

SISVEL 5G MULTIMODE PROGRAM - PATENT BROCHURE

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Patent Owner	Family Code	Patent Number	Illustrative claim(s) and relevant section(s) of the 3G Standard		Illustrative claim(s) and relevant section(s) of the 4G Standard		Illustrative claim(s) and relevant section(s) of the 5G Standard	
3G Licensing S.A.	BBY001*	CA2680720					1	3GPP TS 22.011 V16.5.0: Sections 3.2.1, 3.2.2.1, 3.2.2.2 3GPP TS 23.003 V16.4.0: Section 12.1.3GPP TS 23.122 V16.7.0: Sections 1, 1.2, 3.1, 4.4.2, 4.4.3, 4.4.3.1.1, Annex A 3GPP TS 31.102 V16.5.0: Sections 1, 3.3, 4, 4.2.5, 4.2.5.3, 4.2.8.4 3GPP TS 38.304 V16.2.0: Sections 3.1, 3.2, 5.1, 5.1.1.1, 5.1.1.2 3GPP TS 38.331 V16.2.0: Sections 3.2, 5.2.1, 5.2.2.1, 5.2.2.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US8275374					1	3GPP TS 22.011 V16.5.0: Sections 3.2.1, 3.2.2.1, 3.2.2.2 3GPP TS 23.003 V16.4.0: Section 12.1.3GPP TS 23.122 V16.7.0: Sections 1, 1.2, 3.1, 4.4.2, 4.4.3, 4.4.3.1.1, Annex A 3GPP TS 31.102 V16.5.0: Sections 1, 3.3, 4, 4.2.5, 4.2.5.3, 4.2.8.4 3GPP TS 38.304 V16.2.0: Sections 3.1, 3.2, 5.1, 5.1.1.1, 5.1.1.2 3GPP TS 38.331 V16.2.0: Sections 3.2, 5.2.1, 5.2.2.1, 5.2.2.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US8472955	1	3GPP TS 23.122 V8.12.0: Sections 1.2, 4.2, 4.4.3.1.1; Annex A 3GPP TS 22.011 V8.11.0: Sections 1.2, 3.2.2.1 3GPP TS 31.102 V8.11.0: Sections 1, 4.2.8.4, 4.2.5.3, 5.1.1.2 3GPP TS 36.331 V8.21.0: Sections 6.1, 6.3.4 3GPP TS 24.301 V8.10.0: Sections 8.2.1.1, 9.9.3.32, 9.9.3.33; Table 8.2.1.1; Figures 9.9.3.32.1, 9.9.3.33.1 3GPP TS 22.101 V8.15.0: Sections A.3			1	3GPP TS 22.011 V16.5.0: Sections 3.2.1, 3.2.2.1, 3.2.2.2 3GPP TS 23.003 V16.4.0: Section 12.1.3GPP TS 23.122 V16.7.0: Sections 1, 1.2, 3.1, 4.4.2, 4.4.3, 4.4.3.1.1, Annex A 3GPP TS 31.102 V16.5.0: Sections 1, 3.3, 4, 4.2.5, 4.2.5.3, 4.2.8.4 3GPP TS 38.304 V16.2.0: Sections 3.1, 3.2, 5.1, 5.1.1.1, 5.1.1.2 3GPP TS 38.331 V16.2.0: Sections 3.2, 5.2.1, 5.2.2.1, 5.2.2.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
	BBY002	US8879503			1	3GPP TS 24.301 V11.10.0: Sections 1, 4.3.1, 4.3.2.4, 5.5.1.2.4, 5.5.3.2.4, 8.2.1.1, 8.2.2.6.1, 9.9.3.12A; Tables 4.3.2.4.1, 4.3.2.4.2, 8.2.1.1, 8.2.2.6.1, 9.9.3.12A.1 3GPP TS 24.229 V11.9.0: Section 5.1.1.2.1, Annex L.3.1.2		
	BBY003	US7463887			1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4		
		US8290491			1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4	1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4
		US8351940			1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4	1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4
	BBY004	AU2007221785			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		CA2605098			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		EP1909451 (DE, FR, GB)			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		HK1114980			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		IN256206			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		JP4772021			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		KR10-0940548			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		SG161228			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		TWI355828			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		

3G Licensing S.A.	BBY004	US7995565			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1. 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1 3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A		
	BBY005	AU2006235810			1	3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5 3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5	1	
		AU2010257363			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		BRPI0622295-1			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		CA2567115			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		CNZL201010576392.8			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		EP1924037 (DE, FR, GB, IT) EP2184946 (DE, FR, GB, IT, NL, SE) HK1143266			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		IN314545			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		JP4909707			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		KR10-1116459			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		KR10-1116524			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		TWI338527			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	
		US8189611			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A		
	LGE001*	CNZL200410049109.0	1, 3	3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3				
		EP1850511 (DE, ES, FI, FR, GB, IT, NL, SE)	1	3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3				
		EP2081306 (DE, ES, FI, FR, GB, IT, NL, SE)	1	3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3				
		JP4318963	1	3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3				
		US7496132	1	3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3				
	LGE002	EP1483850 (DE, FR, GB, IT, NL, SE)	1	3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14				
		GB2412553	1	3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14				
		HK1084252	1	3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14				
		IN201131	1	3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14				
		JP4383887	1	3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14				
	LGE004	AU2005249137	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
		CNZL200580017591.2	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
		IN253908	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
		KR10-1141326	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
		MX261740	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
		RU2346392	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
		US7580388	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
		US7715344	1	3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55				
	LGE006	AU2005227794	10	3GPP TS 25.211 V6.7.0: Sections 4.1.1.2, 5.3.3.14; Figure 26C 3GPP TS 25.309 V6.5.0: Section 9.1 3GPP TS 25.321 V6.8.0: Sections 8.1.2, 11.8.1.4				
		MX269368	16	3GPP TS 25.211 V6.7.0: Sections 4.1.1.2, 5.3.3.14; Figure 26C 3GPP TS 25.309 V6.5.0: Section 9.1 3GPP TS 25.321 V6.8.0: Sections 8.1.2, 11.8.1.4				
		RU2381633	16	3GPP TS 25.211 V6.7.0: Sections 4.1.1.2, 5.3.3.14; Figure 26C 3GPP TS 25.309 V6.5.0: Section 9.1 3GPP TS 25.321 V6.8.0: Sections 8.1.2, 11.8.1.4				
	LGE009	AU2005287986	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		BRPI0516317-0	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		CNZL200580033248.7	1, 21	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		EP1794987 (DE, ES, FI, FR, IT, NL, SE)	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				

3G Licensing S.A.	LGE009	EP2252037 (DE, FR, GB, NL)	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		IN283724	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		JP4965723	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		KR10-1141650	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		US7649907	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
		US7830913	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2				
	LGE011	US8923237	1	3GPP TS 25.322 V7.10.0: Sections 1, 3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1				
		US9078254	1	3GPP TS 25.322 V7.10.0: Sections 1, 3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1				
		US9179460	1	3GPP TS 25.322 V7.10.0: Sections 1, 3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1				
		US9504030	1	3GPP TS 25.322 V7.10.0: Sections 1, 3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1				
	LGE015	US9319198	3	3GPP TS 25.214 V6.11.0: Sections 3.2, 4.2.4.4, 6B, 6B.1 3GPP TS 25.321 V6.18.0: Sections 9.2.5, 9.2.5.1 3GPP TS 25.433 V6.17.0: Sections 9.1.17				
		US9923697	4	3GPP TS 25.214 V6.11.0: Sections 3.2, 4.2.4.4, 6B, 6B.1 3GPP TS 25.321 V6.18.0: Sections 9.2.5, 9.2.5.1 3GPP TS 25.433 V6.17.0: Sections 9.1.17				
	LGE019*	EP1315356 (DE, FI, FR, GB, IT, NL, SE)	13	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1				
		IN206735	14	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1				
		KR10-0765122	30	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1				
		US7486699	13	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1				
	LGE023	AU2004307900	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		BRPI0414892-4	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		EP1683282 (DE, FI, FR, GB, IT, NL)	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		IN257749	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		JP4599361	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		KR10-1158912	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		RU2360363	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		US7593407	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
		US7809000	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2				
	LGE027*	US7656803	1	3GPP TS 25.301 V8.7.0: Sections 5.1; Figure 2 3GPP TS 25.321 V8.17.0: Section 11.1 3GPP TS 25.331 V8.6.0: Section 14.4.2				
	LGE032*	CNZL01131011.1	37	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20				
		KR10-0365356	2	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20				
		US7154873	12	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20				
		US8325692	4	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20				
	LGE034*	CNZL02103099.5	41	3GPP TS 25.321 V6.18.0: Sections 9.2.5.2.1, 9.2.5.3.1, 11.8.1.3 3GPP TS 25.212 V6.10.0: Sections 4.11.2; Table 17				
		US7215653	37	3GPP TS 25.321 V6.18.0: Sections 9.2.5.2.1, 9.2.5.3.1, 11.8.1.3 3GPP TS 25.212 V6.10.0: Sections 4.11.2; Table 17				
	LGE036	US9635142			9	3GPP TS 36.331 V8.21.0: Sections 5.3.10.3, 6.3.2 3GPP TS 36.323 V8.6.0: Sections 5.5.1	9	3GPP TS 38.323 V15.6.0: Sections 4.4., 5.7.1, 5.7.2, 5.7.3, 5.7.5; Table 5.7.1-1 3GPP TS 38.331 V15.6.0: Title; Sections 1, 3.2, 5.3.5.1, 5.3.5.6.1, 5.3.5.6.5, 6.2.2, 6.3.2; Figure 5.3.5.1-1
	LGE037*	US8451818	1	3GPP TS 25.322 V8.9.0: Sections 4.2, 4.2.1.1, 4.2.1.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.3, 9.2.1.3; Figures 4.2, 4.3, 4.4, 9.2				

3G Licensing S.A.	LGE038*	US7782833			1	3GPP TS 36.321 V8.12.0: Sections 1, 3.2, 4.2.1, 4.3.1, 4.3.2, 4.4, 4.5, 4.5.1, 4.5.2, 4.5.3, 4.5.3.1, 4.5.3.2, 6.1.1, 6.1.2, 6.2.1; Figures 4.2.1.1, 4.5.3.1-1, 4.5.3.2-1, 6.1.2-1, 6.1.2-2, 6.1.2-3; Tables 4.4-1, 4.5.1-1, 4.5.2-1, 4.5.3.1-1, 4.5.3.2-1 3GPP TS 36.322 V8.8.0: Sections 3.2, 4.2.1, 4.3.2; Figure 4.2.1-1		
	LGE041	JP5685564			1	3GPP TS 36.321 V8.12.0: Sections 5.3.2.1, 5.3.2.2 3GPP TS 36.212 V8.8.0: Section 5.2.3.1 3GPP TS 36.213 V8.8.0: Section 10.1	1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 38.213 V15.12.0: Sections 9.1, 9.1.2, 9.1.2.1 3GPP TS 38.321 V15.12.0: Sections 3.1, 3.2, 5.3.1, 5.3.2.1, 5.3.2.2 3GPP TS 38.213 V15.12.0: Sections 9.2, 9.2.6
		US8130819			1	3GPP TS 36.321 V8.12.0: Sections 5.3.2.1, 5.3.2.2 3GPP TS 36.212 V8.8.0: Section 5.2.3.1 3GPP TS 36.213 V8.8.0: Section 10.1	1,2	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 38.213 V15.12.0: Sections 9.1, 9.1.2, 9.1.2.1 3GPP TS 38.321 V15.12.0: Sections 3.1, 3.2, 5.3.1, 5.3.2.1, 5.3.2.2 3GPP TS 38.213 V15.12.0: Sections 9.2, 9.2.6
	ORA002	BRPI0116844-4	10	3GPP TS 22.243 V8.0.0: Sections 1, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		CA2436318	10	3GPP TS 22.243 V8.0.0: Sections 1, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 3GPP ETSI ES 202 050 V1.1.5 sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		CNZL01822358.3	8	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 ETSI ES 202 050 V1.1.5: Section 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		EP1356461 (DE, ES, FR, GB, IT, NL, TR)	10	3GPP TS 22.243 V8.0.0: Sections 1, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		HK1057639	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		JP4210521	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		KR10-0549133	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		MX243041	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		US7313518	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
	ORA007	EP1690361 (DE, FR, GB)			12	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.3, 6.3.4.3		
		JP4845738			12	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.3, 6.3.4.3		
		KR10-1092537			12	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.3, 6.3.4.3		
		US7933564			1	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.2, 6.3.3, 6.3.3.3, 6.3.4, 6.3.4.3; Figure 6.3-1; Table 6.3.3.3-1		
	ORA008	US7860069	14	3GPP TS 23.401 V8.15.0: Sections 1, 4.2.1, 4.7.1, 5.1.2.1; Figures 5.1.2.1-1, 5.3.1.1, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 23.228 V8.12.0: Section 4.3.1 3GPP TS 23.221 V8.9.0: Section 5.6				

3G Licensing S.A.	ORA030	US8781469	23	3GPP TS 23.401 V8.15.0: Sections 4.3.2.2, 4.7.5, 5.3.2.1, 5.4.1; Figures 5.3.2.1-1, 5.4.1-1 3GPP TS 23.203 V8.14.0: Sections 3.1, 4.1, 5.2.2 3GPP TS 29.212 V8.15.0: Section 4.5.1	23, 24	3GPP TS 23.122 V8.12.0: Sections 2, 3, 3.1 3GPP TS 24.008 V8.19.0: Sections 10, 10.5.5.12 3GPP TS 24.301 V8.10.0: Sections 1, 4.4, 4.3.1, 5.5.1.1, 5.5.1.2.1, 5.5.1.2.2, 5.5.1.2.4, 5.5.1.2.5, 8.2.1.1, 8.2.4.1, 9.9.3.9, 9.9.3.20; Tables 8.2.1.1, 8.2.4.1; Figure 9.9.3.9.1		
	ORA032	EP2266351 (DE, ES, FR, GB, IT)	1	3GPP TS 23.327 V8.4.0: Sections 1, 2, 3.2, 4.1, 5.2, 5.2.2, 5.3.3, 5.4, 6.1, 6.3.2.1; Figures 5.2.2-1, 6.1, 6.3.2.1-1 3GPP TS 23.060 V8.15.0: Sections 5.4.1.1, 5.4.1.2, 9.2.1 3GPP TS 23.234 V8.0.0: Sections 5.10.1 IETF RFC 3775: Sections 10.3.2 IETF RFC 5555: Sections 4.4.2.1				
		US8532076	1	3GPP TS 23.327 V8.4.0: Sections 1, 2, 3.2, 4.1, 5.2, 5.2.2, 5.3.3, 5.4, 6.1, 6.3.2.1; Figures 5.2.2-1, 6.1, 6.3.2.1-1 3GPP TS 23.060 V8.15.0: Sections 5.4.1.1, 5.4.1.2, 9.2.1 3GPP TS 23.234 V8.0.0: Sections 5.10.1 IETF RFC 3775: Sections 10.3.2 IETF RFC 5555: Sections 4.4.2.1				
		US8964714	1	3GPP TS 23.327 V8.4.0: Sections 1, 2, 3.2, 4.1, 5.2, 5.2.2, 5.3.3, 5.4, 6.1, 6.3.2.1; Figures 5.2.2-1, 6.1, 6.3.2.1-1 3GPP TS 23.060 V8.15.0: Sections 5.4.1.1, 5.4.1.2, 9.2.1 3GPP TS 23.234 V8.0.0: Sections 5.10.1 IETF RFC 3775: Sections 10.3.2 IETF RFC 5555: Sections 4.4.2.1				
	ORA039	CNZL200680017858.2	1	3GPP TS 23.060 V8.9.0: Section 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figure 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3.8.5.1; Figure 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1				
		EP1869840 (DE, ES, FR, GB, IT, NL, PL, TR)	1	3GPP TS 23.060 V8.9.0: Sections 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3 and 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1				
		IN319027	1	3GPP TS 23.060 V8.9.0: Sections 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3, 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1				

3G Licensing S.A.	ORA039	JP4933528	1	3GPP TS 23.060 V8.9.0: Sections 1, 3.1, 4, 4.7, 4.7.1, 4.7.2, 4.7.2.1, 5, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.0, 5.4.1, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1, 2, 2a 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6, 6.1, 6.1.0, 6.1.1, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1, 6.2.1.0, Annex A (normative), A.1, A.1.0, A.1.1, A.1.1.1, A.1.1.2, A.1.1.3, A.4, A.4.0, A.4.1, A.4.1.1, A.4.1.2, A.5, A.5.0, A.5.1, A.5.1.0, A.5.1.1, A.5.2, A.5.2.1, Annex D (informative), D.1, D.1.1, D.2, Annex H (normative), H.1, H.2; Figures A.1, D.1.1, D.2.1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2, 4.2.1, 4.2.2, 4.3.2, 4.3.2.1, 4.3.2.2, 4.4.3, 4.4.3.1, 4.4.3.2, 4.4.7, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7, 4.7.1, 4.7.2, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.3, 4.3.1, 4.3.1.1, 4.3.1.2, 4.3.3, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3, 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4-2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1			
		US8570936	1	3GPP TS 23.060 V8.9.0: Sections 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3, 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1			
	ORA040	CNZL200780009678.4	1	3GPP TS 23.060 V8.15.0: Sections 1, 4 3GPP TS 23.327 V8.4.0: Sections 1, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.1, 6.3.1-1, 6.3.2.2-1			
		EP1974576 (DE, ES, FR, GB, IT)	1	3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a 3GPP TS 23.060 V8.15.0: Sections 1, 4 3GPP TS 23.327 V8.4.0: Sections 1, 4, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1			
		EP2958292 (DE, ES, FR, GB, IT, NL)	2	3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a 3GPP TS 23.060 V8.15.0: Sections 1, 4 3GPP TS 23.327 V8.4.0: Sections 1, 4, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1			
		HK1219367	2	3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a 3GPP TS 23.060 V8.15.0: Sections 1, 4 3GPP TS 23.327 V8.4.0: Sections 1, 4, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1			
		IN322709	1	3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a 3GPP TS 23.060 V8.15.0: Sections 1, 4 3GPP TS 23.327 V8.4.0: Sections 1, 4, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1			
		US8194608	1	3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a 3GPP TS 23.060 V8.15.0: Sections 1, 4 3GPP TS 23.327 V8.4.0: Sections 1, 4, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1			
		US8565159	2	3GPP TS 23.234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a 3GPP TS 23.060 V8.15.0: Sections 1, 4 3GPP TS 23.327 V8.4.0: Sections 1, 4, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1			
	ORA041	CNZL200680016492.7	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.2.1, 5.10.2; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1			
		CNZL201110148681.2	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1			
		JP5384934	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 3.2, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1, 5.10.2; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1			
		US8072923	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1			
		US8971246	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1			

3G Licensing S.A.	ORA042	CNZL200680017166.8	1	3GPP TS 23.060 V8.9.0: Sections 4, 9.2.1A, 9.2.2.1; Figures 63, 64 3GPP TS 23.401 V8.15.0: Sections 1.3.1, 4.1, 4.2.1, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1 3GPP TS 24.008 V8.10.0: Sections 10.5.6.4; Figure 10.5.137; Table 10.5.155			
		IN318550	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figure 4.2.1-2, 4.7.2.2-1 3GPP TS 23.060 V8.9.0: Section 9.2.2.1; Figures 63, 64 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			
		JP4970422	1	3GPP TS 23.401 V8.15.0: Sections 1, 3, 3.1, 4, 4.1, 4.2, 4.2.1, 4.4.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7, 4.7.1, 4.7.2, 4.7.2.1, 4.7.2.2, 5.3.2, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1 3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1; Figures 63, 64 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			
		US8064384	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figure 4.2.1-2, 4.7.2.2-1 3GPP TS 23.060 V8.9.0: Section 9.2.2.1; Figures 63, 64 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			
		US9001732	1	3GPP TS 23.401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figure 4.2.1-2, 4.7.2.2-1 3GPP TS 23.060 V8.9.0: Section 9.2.2.1; Figures 63, 64 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			
	ORA043	EP1869841 (DE, FR, GB)	1	3GPP TS 23.060 V8.7.0: Sections 9.2.1A, 9.2.1.1, 9.2.2.1, 9.2.2.1.1, 15.3.0, 15.3.1; Figures 63, 64 3GPP TS 23.207 V8.0.0: Sections 4.2, 4.7, 5.1, 5.2, 5.2.1, 5.2.2, 6.1, 6.1.1, 6.1.2, 6.4; Figures A.7; Annex A, A.2, A.2.5, Annex C; Figure A.7 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.2.4, 4.2.4a, 4.6.0, 4.6.1, 4.6.3, 5.4.0, 5.4.2a; Figures 4.0, 5.5b; Annex E, E.0, E.5 3GPP TS 23.401 V8.8.0: Sections 1, 4.2.1, 4.2.2, 4.4.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3 3GPP TS 24.008 V9.3.0: Sections 9.5.4, 9.5.4.1, 10.5.6.12; Tables 9.5.4, 10.5.162 3GPP TS 24.229 V8.11.0: Annex B, B.1, B.2.1, B.2.2.1, B.2.2.5.1, B.2.2.5.1A, B.2.2.5.1B 3GPP TS 29.060 V9.3.0: Section 7.7.36			
	ORA046	CNZL200580025881.1	1	3GPP TS 29.060 V8.3.0: Section 3.1 3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3; Figures 11c, 11d, 11e, 11bb, 11ba 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5; Figures 63, 64			
		EP1772030 (DE, ES, FR, GB)	1	3GPP TS 23.401 V8.10.0 Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Section 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			
		IN271359	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			
		US10200511	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			

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		US9237058	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			
	ORA047	CNZL200580024907.0	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.1.1, 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 62, 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1, 11.2.1.3, 11.2.1.3.2, 11.2.1.4; Figure 11bb			
		EP1771978 (CH, DE, ES, FR, GB, IT)	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9, 9.1, 9.1.0, 9.2.1.1, 9.2.2, 9.2.2.1, 9.2.2.1A, 9.2.3, 9.2.3.0, 9.2.3.3, 15.3, 15.3.0, 45.3.1; Figures 62, 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1, 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figure 11ba 3GPP TS 24.008 V8.10.0: Sections 9.5.10, 9.5.10.3, 10.5.6.12; Tables 9.5.10, 10.2.162, 10.5.144, 10.5.144a, 10.5.144b, 10.5.144c			
		IN272738	1	3GPP TS 23.060 v8.17.0: Sections 5.6.2.2, 9.2.1, 9.2.1.1, 9.2.2.1, 9.3; Figures 6a, 63 3GPP TS 24.008 v8.19.0: Sections 9.5.1, 10.5.6.4 3GPP TS 29.061 v8.12.0: Sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4; Figures 11bb IETF RFC 4291: Section 2.5.1			
		US7860073	1	3GPP TS 23.060 v8.17.0: Sections 5.6.2.2, 9.2.1, 9.2.1.1, 9.2.2.1, 9.3; Figures 6a, 63 3GPP TS 24.008 v8.19.0: Sections 9.5.1, 10.5.6.4 3GPP TS 29.061 v8.12.0: Sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4; Figures 11bb IETF RFC 4291: Section 2.5.1			
	ORA048	CNZL200580020466.7	1	3GPP TS29.060 V8.11.0: Sections 3.1, 4.1; Figure 1 3GPP TS23.401 V8.10.0: Sections 5, 5.1, 5.1.1, 5.1.1.1, 5.1.1.4, 5.1.1.5, 5.1.1.6, 5.1.1.7, 5.1.1.8, 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5; Figures 5.1.1.4-1, 5.1.1.5-1, 5.1.1.6-1, 5.1.1.7-1, 5.1.1.8-1, 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 23.402 V8.8.0: Sections 4.3.3, 4.3.3.2, 4.3.3.3, 4.3.4, 5, 5.1, 5.1.1, 5.1.2, 5.1.3, 5.1.3.1, 5.1.4, 5.1.4.1, 5.1.4.2, 5.1.4.3, 5.1.4.4, Annex A, A.1, A.2; Figures 5.1.4.4-1, 5.1.3.1-1, 5.1.4.1-1, 5.1.4.2-1, 5.1.4.3-1, A.1-1, A.1-2, A.2-1, A.1-3 3GPP TS 23.228 V8.12.0: Sections 5.4.2a, Annex E, E.0, E.5; Figure 5.5b 3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5, 5.6.2, 5.6.2.1, 5.6.2.2, 5.6.3, 5.6.3.1, 5.6.3.2, 9.2.1, 9.2.2.1; Figures 6a, 6b, 6c, 6d, 7, 8, 63, 64; Table 1			

3G Licensing S.A.	ORA048	EP1741264 (DE, ES, FR, GB, IT)	1	3GPP TS 29.060 V8.11.0: Sections 3.1, 4.1; Figure 1 3GPP TS 23.401 V8.8.0: Sections 5.1, 5.1.1.1, 5.1.1.4; Figures 5.1.1.4-1, 5.1.1.5, 5.1.1.5-1, 5.1.1.6, 5.1.1.6-1, 5.1.1.7, 5.1.1.7-1, 5.1.1.8, 5.1.1.8-1, 5.1.2.1, 5.1.2.1-1, 5.1.2.2, 5.1.2.2-1, 5.1.2.3, 5.1.2.3-1, 5.1.2.4, 5.1.2.4-1, 5.1.2.5, 5.1.2.5-1 3GPP TS 23.402 V8.8.0: Sections 1, 4.2.2; Figures 4.2.2-2, 4.3.3.2, 4.3.3.3, 4.3.4, 5.1.2, 5.1.4.1, 5.1.4-1, 5.1.4.2, 5.1.4.2-1, 5.1.4.3, 5.1.4.3-1, 5.1.4.4, 5.1.4.4-1, 5.1.3.1, 5.1.3.1-1, 6.1.2, 6.1.2-1; Annex A, A.1; Figures A.1-1, A.1-2, A.1-3, A2, A.2-1 3GPP TS 23.228 V8.9.0: Sections 4.6.0, 4.6.1, 5.4.2a; Figure 5.5b, E0, E5 3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5; Table 1, 5.6.2.1, 5.6.2.2; Figures 6a, 6b, 6c, 6d, 5.6.3, 5.6.3.1, 5.6.3.2, 7, 8, 9.2.1, 9.2.2.1, 63, 64			
		IN255363	1	3GPP TS 23.060 V8.7.0: Sections 4, 5.1, 5.3.2.4, 5.3.2.5, 5.6.2, 5.6.2.1, 5.6.2.2, 5.6.2.4, 5.6.2.5, 9.2.1, 9.2.2.1			
		JP4660539	1	3GPP TS 29.060 V8.11.0: Sections 3.1, 4.1; Figure 1 3GPP TS 23.401 V8.8.0: Sections 5.1, 5.1.1.1, 5.1.1.4; Figures 5.1.1.4-1, 5.1.1.5, 5.1.1.5-1, 5.1.1.6, 5.1.1.6-1, 5.1.1.7, 5.1.1.7-1, 5.1.1.8, 5.1.1.8-1, 5.1.2.1, 5.1.2.1-1, 5.1.2.2, 5.1.2.2-1, 5.1.2.3, 5.1.2.3-1, 5.1.2.4, 5.1.2.4-1, 5.1.2.5, 5.1.2.5-1 3GPP TS 23.402 V8.8.0: Sections 1, 4.2.2; Figures 4.2.2-2, 4.3.3.2, 4.3.3.3, 4.3.4, 5.1.2, 5.1.4.1, 5.1.4-1, 5.1.4.2, 5.1.4.2-1, 5.1.4.3, 5.1.4.3-1, 5.1.4.4, 5.1.4.4-1, 5.1.3.1, 5.1.3.1-1, 6.1.2, 6.1.2-1; Annex A, A.1; Figures A.1-1, A.1-2, A.1-3, A2, A.2-1 3GPP TS 23.228 V8.9.0: Sections 4.6.0, 4.6.1, 5.4.2a; Figure 5.5b, E0, E5 3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5; Table 1, 5.6.2.1, 5.6.2.2; Figures 6a, 6b, 6c, 6d, 5.6.3, 5.6.3.1, 5.6.3.2, 7, 8, 9.2.1, 9.2.2.1, 63, 64			
		US7907618	1	3GPP TS 29.060 V8.11.0: Sections 3.1, 4.1; Figure 1 3GPP TS 23.401 V8.8.0: Sections 5.1, 5.1.1.1, 5.1.1.4; Figures 5.1.1.4-1, 5.1.1.5, 5.1.1.5-1, 5.1.1.6, 5.1.1.6-1, 5.1.1.7, 5.1.1.7-1, 5.1.1.8, 5.1.1.8-1, 5.1.2.1, 5.1.2.1-1, 5.1.2.2, 5.1.2.2-1, 5.1.2.3, 5.1.2.3-1, 5.1.2.4, 5.1.2.4-1, 5.1.2.5, 5.1.2.5-1 3GPP TS 23.402 V8.8.0: Sections 1, 4.2.2; Figures 4.2.2-2, 4.3.3.2, 4.3.3.3, 4.3.4, 5.1.2, 5.1.4.1, 5.1.4-1, 5.1.4.2, 5.1.4.2-1, 5.1.4.3, 5.1.4.3-1, 5.1.4.4, 5.1.4.4-1, 5.1.3.1, 5.1.3.1-1, 6.1.2, 6.1.2-1; Annex A, A.1; Figures A.1-1, A.1-2, A.1-3, A2, A.2-1 3GPP TS 23.228 V8.9.0: Sections 4.6.0, 4.6.1, 5.4.2a; Figure 5.5b, E0, E5 3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5; Table 1, 5.6.2.1, 5.6.2.2; Figures 6a, 6b, 6c, 6d, 5.6.3, 5.6.3.1, 5.6.3.2, 7, 8, 9.2.1, 9.2.2.1, 63, 64			
	ORA049	US7995523	1, 12	3GPP TS 23.401 V8.17.0: Sections 1, 4.2.1, 4.2.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.4.5; Figures 4.2.1-1, 5.4.5-1 3GPP TS 24.303 V8.9.0: Sections 1, 4.1, 5.1.1, 5.1.2.3, 5.1.2.4 IETF RFC 6275 (included by reference in TS 24.303 V8.9.0): Abstract, Sections 10.4.1, 10.4.2, 11.7.1			
	ORA052	CNZL200480006637.6	1	3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3 3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1; Figures 63, 64 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155 3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figures 11c, 11d, 11e 3GPP TS 23.228 V8.12.0: Sections 3.1, Annex I.1, I.2, I.3, I.3.1, and I.3.1.2; Figures I.1, I.3 IETF RFC 3344: Sections 1.5, 1.7, 3	3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3 3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155 3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figures 11c, 11d, 11e 3GPP TS 23.228 V8.12.0: Sections 3.1, I.1, I.2, I.3, I.3.1, I.3.1.2; Figures I.1, I.3 IETF RFC 3344: Sections 1.5, 1.7, 3		
		EP1602215 (DE, FR, GB)	1	3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3 3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155 3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figures 11c, 11d, 11e 3GPP TS 23.228 V8.12.0: Sections 3.1, I.1, I.2, I.3, I.3.1, I.3.1.2; Figures I.1, I.3 IETF RFC 3344: Sections 1.5, 1.7, 3			
		IN227148	1	3GPP TS29.061 V8.7.0: Section 11.2.1.4; Figure 11e 3GPP TS23.060 V8.9.0: Sections 9.2.2.1, 9.2.3.2			
		JP5248586	1	3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3 3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b 3GPP TS 24.008 V8.10.0: Sections 10.5.6.4; Figure 10.5.137; Table 10.5.155 3GPP TS 29.061 V8.7.0: Sections 11.2.1.4; Figures 11c, 11d, 11e IETF RFC 3344: Sections 1.5, 1.7, 3			

3G Licensing S.A.	ORA052	KR10-1007005	1	3GPP TS 23.060 V8.9.0: Section 9.2.3.2 3GPP TS 23.401 V8.10.0: Section 4.2.2 3GPP TS 29.061 V8.7.0: Section 11.2.1.4			
		US7640017	1	3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3 3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155 3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figures 11, 11c, 11d 3GPP TS 23.228 V8.12.0: Sections 3.1, I.1, I.2, I.3, I.3.1, I.3.1.2; Figures I.1, I.3			
		US8023946	1	3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3 3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b 3GPP TS 24.008 V8.10.0: Sections 10.5.6.4; Figure 10.5.137; Table 10.5.155 3GPP TS 29.061 V8.7.0: Sections 11.2.1.4; Figures 11c, 11d, 11e IETF RFC 3344: Sections 1.5, 1.7, 3			
	ORA058	CNZL200780010663.X	20	3GPP TS 23.327 V8.4.0: Sections 5, 5.2, 5.2.1, 5.3, 5.3.1, 5.3.2, 5.4, 6, 6.1, 6.3, 6.3.1, 6.3.2, 6.3.2.2; Figures 5.2.1-1, 6.1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23.234 V8.0.0: Sections 1, 2, 5, 5.13, 5.13.1, 5.13.2, 5.7, 5.7.1, 6, 6.1, 6.1.1, 6.2, 6.2.1, 6.2.5, 6.2.6; Figure 6.1 3GPP TS23.107 V8.2.0: Section 6.3			
		EP1838044 (DE, ES, FR, GB, IT)	20	3GPP TS 23.234 V8.0.0: Sections 1, 5.13.3, 3GPP TS 23.327 V8.4.0: Sections 5.3.1, 6.3.1; Figures 6.3.1-1 IETF RFC 2474: Section 3	20	3GPP TS 23.327 V8.4.0: Sections 5, 5.2, 5.2.1, 5.3, 5.3.1, 5.3.2, 5.4, 6, 6.1, 6.3, 6.3.1, 6.3.2, 6.3.2.2; Figures 5.2.1-1, 6.1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23.234 V8.0.0: Sections 1, 2, 5, 5.13, 5.13.1, 5.13.2, 5.7, 5.7.1, 6, 6.1, 6.1.1, 6.2, 6.2.1, 6.2.5, 6.2.6; Figure 6.1 3GPP TS23.107 V8.2.0: Section 6.3	
		IN300291	11	3GPP TS 23.234 V8.0.0: Sections 1, 5.13.3, 3GPP TS 23.327 V8.4.0: Sections 5.3.1, 6.3.1; Figures 6.3.1-1 IETF RFC 2474: Section 3			
	ORA059	CNZL200780010562.2	1	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Sections 9.5.1, 10.5.6.5; Figure 10.5.138; Table 9.5.1, 10.5.156			
		IN282457	18	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Section 9.5.1, 10.5.6.5; Tables 9.5.1, 10.5.156; Figure 10.5.138			
		JP5740672	18	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Section 9.5.1, 10.5.6.5; Tables 9.5.1, 10.5.156; Figure 10.5.138			
		US8184646	18	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Section 9.5.1, 10.5.6.5; Tables 9.5.1, 10.5.156; Figure 10.5.138			
	ORA063*	EP0562890 (AT, BE, ES, GB, IE, IT, LU, NL)	1, 5	3GPP TS 100 922 V8.0.0: Sections 1, 6.2 3GPP TS 101 622 V6.0.1: Sections 4.3, 5, 5.2 3GPP TS 122 038 V3.4.0: Sections 9.1 3GPP TS 100 977 V8.13.0: Annex E, Annex I 3GPP TS 101 267 V8.17.0: Sections 3.2, 7, 7.1, 7.1.1, 7.1.2 3GPP TS 122.003 V6.0.0: Annex A.1.3.4, A.1.3.4.2 3GPP TS 123.040 V3.9.0: Sections 3.1, 3.2.3, 9.2.3, 9.2.3.9, 9.2.3.22, 9.2.3.24, 9.2.3.24.10, 9.2.3.24.10.1, 9.2.3.24.10.1.1; Figure 1			
		HK1005009	1, 5	3GPP TS 22.038 V 3.4.0: Section 9.1 3GPP TS 11.14 V 8.17.0: Sections 3.2, 7.1.1, 7.1.2 3GPP TS 22.003 V 6.0.0: Sections A.1.3.4 3GPP TS 23.040 V 3.9.0: Sections 3.1, 3.2.3, 9.2.3, 9.2.3.22, 9.2.3.24, 9.2.3.24.10.1, 9.2.3.24.10.1.1, 9.2.3.9 3GPP TS 11.11 V 8.13.0: Sections Annex F, Annex I			
	ORA064*	AU729163	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 ETSI TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.5.2, Annex K and K.2; Figure 8.2, 8.4, K.1; Table 8.1, 11.11			

3G Licensing S.A.	ORA064*	CA2280150	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 3GPP TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.5.2, Annex K, K.2: Figure 8.2, 8.4, K.1: Table 8.1, 11.11				
		CNZL98802464.0	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 ETSI TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.5.2, Annex K, K.2: Figure 8.2, 8.4, K.1: Table 8.1, 11.11				
		EP0960542 (DE, ES, FR, GB, IT)	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1				
		IN208486	18	3GPP TS 21.111 V7.1.0: Sections 4, 10.2.2, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1; Figures 4.1, 4.2 ETSI TS 102.221 V7.4.0: Sections 7.3.1.1, 8.2.2.1, 8.2.2.2, 8.2.2.3, 8.2.2.4, 11.1.5.1; Figures 8.2, 8.3				
		JP4357596	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.101 V7.0.1: Section 8.1 3GPP TS 31.102 V7.13.0: Sections 3.3, 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 ETSI TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.6.1, Annex K, K.1, K.2: Figures 8.2, 8.4, K.1: Table 8.1				
		US6856818	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 ETSI TS 102.221 V7.4.0: Sections 3.1, 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, Annex K, K.2: Figure 8.2, 8.4, K.1: Table 8.1				
	ORA065	CNZL01818343.3	8	3GPP TS 22.279 V7.1.0: Sections 1, 2, 3.1, 6, 8 3GPP TS 23.279 V7.7.0: Sections 8.1, 8.3.1, 8.3.2; Figures 8-1, 8.3-1, 8.3-2 3GPP TS 23.228 V7.16.0: Sections 4.13.2, 4.13.3; Figure 4.13-1 3GPP TS 24.173 V9.1.0: Sections 4.2, 5.1, 5.2 3GPP TS 24.229 V7.28.0: Sections 5.1, 5.1.2A.1, 6.1.2, 6.1.3, 7.9.2, 7.2A.8.1, 7.2A.8.2, 7.2A.9.1, 7.2A.9.2, 7.9.2, 7.9.3 3GPP TS 24.279 V7.7.0: Sections 6.3.1.8, 6.3.1.9, 7.3.1.3, 7.3.1.4, A.1, A.2, A.3, 7.3.1.8, 7.3.1.9				
		CNZL200510097414.1	1	3GPP TS 23.060 V8.9.0: Sections 5.1, 5.3.8, 5.4.6, 9.2.3.3; Figures 1, 72b 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.16.1, 4.16.2, 5.4.4, 5.10.3.0, Annex E, E.0, E.2.1a.2, E.2.4.0, E.2.4.1; Figure E.2 3GPP TS 23.401 V8.17.0: Sections 4.7.1, 4.7.2.2; Figure 4.7.2.2-1				
		EP1921855 (CH, DE, ES, FR, GB, IE, IT, NL, TR)	1	3GPP TS 23.060 V8.9.0: Sections 5.1, 5.3.8, 5.4.6, 9.2.3.3; Figures 1, 72b 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.16.1, 4.16.2, 5.4.4.5, 5.10.3.1, Annex E, E.0, E.2.1a.1, E.2.1a.2, E.2.4.0, E.2.4.1; Figure E.2 3GPP TS 23.401 V8.17.0: Sections 4.7.1, 4.7.2.2; Figure 4.7.2.2-1				
		US7102663	26	3GPP TS 24.173 V9.1.0: Sections 4.2, 5.2 3GPP TS 22.279 V7.1.0: Sections 1, 2, 3.1, 6, 8 3GPP TS 23.279 V7.7.0: Sections 8.1, 8.3.1, 8.3.2; Figures 8-1, 8.3-1, 8.3-2 3GPP TS 23.228 V7.16.0: Sections 4.13.2, 4.13.3 3GPP TS 24.229 V7.28.0: Sections 5.1, 5.1.2A.1, 6.1.2, 6.1.3, 7.9.2, 7.2A.8.1, 7.2A.8.2, 7.2A.9.1, 7.2A.9.2, 7.9.3 3GPP TS 24.279 V7.7.0: Sections 6.3.1.8, 6.3.1.9, 7.3.1.3, 7.3.1.4, A.1, A.2, A.3, 7.3.1.8, 7.3.1.9				
		US7995091	1	3GPP TS 23.060 V8.9.0: Sections 5.1, 5.3.8, 5.4.6, 9.2.3.3; Figures 1, 72b 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.16.1, 4.16.2, 5.4.4.5, 5.10.3.1, Annex E, E.0, E.2.1a.1, E.2.1a.2, E.2.4.0, E.2.4.1; Figure E.2 3GPP TS 23.401 V8.17.0: Sections 4.7.1, 4.7.2.2; Figure 4.7.2.2-1				
Alfred Consulting LLC	ALF001	EP3424238 (AT, DE, DK, ES, FI, FR, GB, IE, IT, NL, PL, SE)			13	3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.6, 4.1.1.2, 4.1.1.2.1, 4.1.1.5, 6.1.3.1.1, 9.4.1, 10.5.5.12, 10.5.5.37 3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4, 4.3.7.4.1, 5.5.1.2.2 3GPP TS 36.300 V14.8.0: Sections 8.7.6, 8.7.7, 19.2.1.9, 19.2.1.12 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2, 7	13	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		EP3930381 (AT, DE, DK, ES, FI, FR, GB, IE, IT, NL, PL, SE)			14	3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.6, 4.1.1.2, 4.1.1.2.1, 4.1.1.5, 6.1.3.1.1, 9.4.1, 10.5.5.12, 10.5.5.37 3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4, 4.3.7.4.1, 5.5.1.2.2 3GPP TS 36.300 V14.8.0: Sections 8.7.6, 8.7.7, 19.2.1.9, 19.2.1.12 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2, 7	14	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2

Alfred Consulting LLC	ALF001	JP7539713			14	3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	14	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US10129807			18	3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.6, 4.1.1.2, 4.1.1.2.1, 4.1.1.5, 6.1.3.1.1, 9.4.1, 10.5.5.12, 10.5.5.37 3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4, 4.3.7.4.1, 5.5.1.2.2 3GPP TS 36.300 V14.8.0: Sections 8.7.6, 8.7.7, 19.2.1.9, 19.2.1.12 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	18	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US10609616			15	3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	15	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US10834656			16	3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	16	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US10841856			17	3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	17	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US11330498			17	3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	17	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US11706684			13	3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	13	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US11765638			1	3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2.7	1	3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
Intellectual Discovery Co., Ltd.	IND001	KR10-2024626			1	3GPP TS 36.211 V13.13.0: Sections 6.4.1, 6.8B, 6.8B.1, 6.8B.5 3GPP TS 36.212 V13.10.0: Sections 5.3.3.1.12, 5.3.3.1.13, 7.1 3GPP TS 36.213 V13.16.0: Sections 7.1, 7.1.11 3GPP TS 36.331 V13.15.0: Sections 3.1, 6.2.2		

Intellectual Discovery Co., Ltd.	IND001	US10028207			1	3GPP TS 36.211 V13.13.0: Sections 6.4.1, 6.8B, 6.8B.1, 6.8B.5 3GPP TS 36.212 V13.10.0: Sections 5.3.3.1.12, 5.3.3.1.13, 7.1 3GPP TS 36.213 V13.16.0: Sections 7.1, 7.1.11 3GPP TS 36.331 V13.15.0: Sections 3.1, 6.2.2		
		US10805868			1	3GPP TS 36.211 V13.13.0: Sections 6.4.1, 6.8B, 6.8B.1, 6.8B.5 3GPP TS 36.212 V13.10.0: Sections 5.3.3.1.12, 5.3.3.1.13, 7.1 3GPP TS 36.213 V13.16.0: Sections 7.1, 7.1.11 3GPP TS 36.331 V13.15.0: Sections 3.1, 6.2.2		
	IND002	CNZL201580021748.2			1	3GPP TS 36.211 V12.9.0: Section 6.11A 3GPP TS 36.331 V12.18.0: Sections 5.3.5.1, 5.5.2.5, 5.5.3.1, 6.3.5, 6.4		
		KR10-2306320			1	3GPP TS 36.211 V12.9.0: Section 6.11A 3GPP TS 36.331 V12.18.0: Sections 5.3.5.1, 5.5.2.5, 5.5.3.1, 6.3.5, 6.4		
JVCKENWOOD Corporation	IND003	KR10-0880885					1	3GPP TS 38.213 V16.9.0: Section 9.2.6
	JKC001	CA2857481			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		CA2871263			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		CA2987989			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		EP2809025 (DE, ES, FR, GB, IT, NL, TR)			14	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		IN358033			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		JP5846513			14	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Section 7.1.9; Table 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5, 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		JP5846521			16	3GPP TS 36.300 V16.6.0: Section 5.1.9 3GPP TS 36.213 V16.7.0: Sections 7.2.1, 7.2.6; Table 7.2.1-1B 3GPP TS 36.331 V16.6.0: Section 6.3.2 3GPP TS 36.305 V16.4.0: Section 3.1		
		JP6512275			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Section 7.1.9; Table 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5, 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		KR10-1516666			16	3GPP TS 36.300 V16.6.0: Section 5.1.9 3GPP TS 36.213 V16.7.0: Sections 7.2; 7.2.1, 7.2.6 3GPP TS 36.331 V16.6.0: Sections 6.2.2, 6.3.2 3GPP TS 36.305 V16.4.0: Section 3.1		
		KR10-1516667			23	3GPP TS 36.213 V11.12.0: Sections 7.1.9; 7.1.10, 7.2.5; Table 7.1.9-1 3GPP TS 36.300 V11.14.0: Sections 4, 5.1.9 3GPP TS 36.331 V11.17.0: Sections 6.2.2, 6.3.2; Figure 5.3.5.1-1 3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.211 V11.7.0: Section 6.2.1		
		US9094145			14	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
	JKC002	JP5223409			1	3GPP TS 36.211 V16.7.0: Sections 4.1, 6.11.1.2, 6.11.2.2; Figure 4.1-1 3GPP TS 36.212 V16.6.0: Section 5.3.3.1.3 3GPP TS 36.213 V16.7.1: Sections 4.1, 7.1	1	3GPP TS 38.213 V17.0.0: Section 4 3GPP TS 38.211 V17.0.0: Sections 4.3.1, 4.3.2 3GPP TS 38.214 V17.0.0: Sections 5.1, 5.1.2.1, 5.1.3 3GPP TS 38.331 V16.7.0: Sections 6.3.2
KDDI Corporation	KDD001	JP4831605			7	3GPP TS 36.331 V11.17.0: Sections 4.2.1, 5.2.1, 5.2.1.1, 5.2.2, 5.2.2.1, 5.3.3.10, 6.3.1 3GPP TS 24.173 V11.5.0: Sections J.2.1.1 3GPP TS 22.011 V11.5.0: Sections 4.2		

KDDI Corporation	KDD002	JP4499177			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		JP4585038			2	3GPP TS 36.211 V9.1.0: Sections 5.4.1, 5.4.2, 7.2		
		US8761145			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9025431			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9143258			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9148245			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9160476			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9219564			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9270402			1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
	KDD003	JP4527136			1	3GPP TS36.211 V14.1.0: Sections 5.4, 5.4.3, 5.5, 5.5.1, 5.5.1.1, 5.5.1.3, 5.5.2, 5.5.2.2		
	KDD004	US7974203			5	3GPP TS 23.401 V16.9.0: Section 4.7.2.1 3GPP TS36.321 V16.3.0: Section 5.4.3.1 3GPP TS 36.331 V16.3.0: Sections 5.3.10.3, 6.3.2		
	KDD006	JP6588135			1	3GPP TS 36.300 V15.3.0: Sections 5.2.3, 10.1.2.8, 10.1.2.8.1; Figure 10.1.2.8.1-1 3GPP TS 36.423 V15.3.0: Sections 9.1.3, 9.1.3.1, 9.1.3.2 3GPP TS 36.331 V15.0.0: Sections 5.5.5, 5.5.5.1, 6.2.2, 6.3.5, 10.2.2; Figure 5.5.5.1-1 3GPP TS 36.221 V16.5.0: Section 6.11		
		JP6799653			1	3GPP TS 36.300 V15.3.0: Sections 5.2.3, 10.1.2.8, 10.1.2.8.1; Figure 10.1.2.8.1-1 3GPP TS 36.423 V15.3.0: Sections 9.1.3, 9.1.3.1, 9.1.3.2 3GPP TS 36.331 V15.0.0: Sections 5.5.5, 5.5.5.1, 6.2.2, 6.3.5, 10.2.2; Figure 5.5.5.1-1		
	KDD007	CNZL201680026887.9			1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		
		JP6502171			1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		
		JP6656445			1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		
		JP6761502			1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		
	KDD008	CNZL201680054288.8					9	3GPP TS 38.212 V15.8.0: Sections 7.3.1.2.1, 7.3.1.2.2 3GPP TS 38.213 V15.8.0: Section 9.2.3 3GPP TS 38.300 V15.8.0: Section 5.2.5.4
		JP6633889					9	3GPP TS 38.212 V15.8.0: Sections 7.3.1.2.1, 7.3.1.2.2 3GPP TS 38.213 V15.8.0: Section 9.2.3 3GPP TS 38.300 V15.8.0: Section 5.2.5.4
	KDD011	JP7247154			1	3GPP TS 36.331 V16.6.0: Sections 1, 5.5.4.1, 6.3.5		
		US11272418			1	3GPP TS 36.331 V16.6.0: Sections 1, 5.5.4.1, 6.3.5		
Koninklijke KPN N.V.	KPN003*	EP0716796 (CH, DE, FR, GB, NL, SE)			1, 3	3GPP TS 23.261 V10.2.0: Sections 4, 4.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.2, 5.3.3 3GPP TS 23.401 V10.4.0: Sections 1, 5, 5.1, 5.1.1, 5.1.1.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.1.1, 5.3.2, 5.3.2.1, 5.10, 5.10.1, 5.10.2 3GPP TS 23.402 V10.4.0: Section 7.3 3GPP TS 23.234 V11.1.0: Sections 6, 6.1 3GPP TS 23.003 V10.3.0: Sections 2, 2.1 IETF RFC 4306: Section 1.2		
		US5960365			1, 3	3GPP TS 23.261 V10.2.0: Sections 4, 4.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.2, 5.3.3 3GPP TS 23.401 V10.4.0: Sections 1, 5, 5.1, 5.1.1, 5.1.1.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.1.1, 5.3.2, 5.3.2.1, 5.10, 5.10.1, 5.10.2 3GPP TS 23.402 V10.4.0: Section 7.3 3GPP TS 23.234 V11.1.0: Sections 6, 6.1 3GPP TS 23.003 V10.3.0: Sections 2, 2.1 IETF RFC 4306: Section 1.2		
	KPN004*	US6212662			1, 2, 3	3GPP TS 36.212 V9.3.0: Section 5, 5.1, 5.1.1, 5.1.2, 5.1.3, Table 5.1.3-1, 5.1.3-3, 5.1.3.2, 5.1.3.2.1, Figure 5.1.3-2, 5.1.3.2.3,		

Koninklijke KPN N.V.	KPN005*	EP0785692 (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, NL, PT, SE)	1	3GPP TS 23.060 V10.14.0: Sections 6.5.0, 6.5.3 3GPP TS 23.261 V10.2.0: Sections 5.3.1, 5.4.1, 5.4.2; Figure 5.4.2-1 3GPP TS 25.211 V10.0.0: Sections 4.1.2.3, 4.2, 5.3.3.10 3GPP TS 43.013 V4.0.0: Sections 1, 4	1	3GPP TS 23.060 V10.14.0: Sections 6.5.0, 6.5.3 3GPP TS 23.261 V10.2.0: Sections 5.3.1, 5.4.1, 5.4.2; Figure 5.4.2-1 3GPP TS 25.211 V10.0.0: Sections 4.1.2.3, 4.2, 5.3.3.10 3GPP TS 43.013 V4.0.0: Sections 1, 4		
	KPN006	CNZL201310055256.8	15, 30, 32	3GPP TS 22.368 V10.5.0: Annex A 3GPP TS 23.003 V10.10.0: Section 2.1 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.4, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 13.2.1, 13.2.3	15, 30, 32	3GPP TS 22.368 V10.5.0: Annex A 3GPP TS 23.003 V10.10.0: Section 2.1 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.4, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 13.2.1, 13.2.3		
		EP2250835 (AT, BE, DE, DK, ES, FI, FR, GB, IE, IS, IT, NL, PL, SE)	38	3GPP TS 23.060 V10.5.0: Sections 5.3.6.2.3, 5.3.6.2.4 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 9.4.4, 9.4.4.2; Table 9.4.4	38	3GPP TS 23.060 V10.5.0: Sections 5.3.6.2.3, 5.3.6.2.4 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 9.4.4, 9.4.4.2; Table 9.4.4		
		EP2337403 (DE, FI, FR, GB, NL, SE)	35	3GPP TS 23.060 V10.5.0: sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2 3GPP TS 22.368 V11.3.0: Annex A	35	3GPP TS 23.060 V10.5.0: sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2 3GPP TS 22.368 V11.3.0: Annex A		
		JP5308459	35	3GPP TS 23.060 V10.5.0: Sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.6.3, 6.5.0, 14.1 and 14.2 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2, 9.4.22, 9.4.22.1 3GPP TS 22.368 V11.3.0: Annex A	35	3GPP TS 23.060 V10.5.0: Sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.6.3, 6.5.0, 14.1 and 14.2 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2, 9.4.22 and 9.4.22.1 3GPP TS 22.368 V11.3.0: Annex A.		
		KR10-1231986	37	3GPP TS 22.368 V11.3.0: Annex A; Figures A-1, A-2, A-3, A-4 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 23.060 V10.5.0: Sections 5.3.0, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2; Table 9.4.4				
		US10187904	3, 7	3GPP TS 22.368 V10.5.0: Sections 3.1, 3.2, 4, 7, Annex A 3GPP TS 23.003 V10.10.0: Sections 2.1, 2.2, 2.4 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.5.2, 9.2, 9.2.2, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 6.1.3.1.3, 9.4.4, 9.4.4.2, 9.5.3	3, 7	3GPP TS 22.368 V10.5.0: Sections 3.1, 3.2, 4, 7, Annex A 3GPP TS 23.003 V10.10.0: Sections 2.1, 2.2, 2.4 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.5.2, 9.2, 9.2.2, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 6.1.3.1.3, 9.4.4, 9.4.4.2, 9.5.3	3, 7	3GPP TS 22.368 V15.0.0: Sections 1, 3.1, 3.2, 4, 5.1.2, 5.1.3, 7.1.1, Annex A: Figures 5.1, 5-2, 5-3 3GPP TS 23.003 V15.8.0: Sections 1, 1.2, 2.1, 2.2, 2.2A, 2.10.1; Figure 1 3GPP TS 23.501 V15.9.0: Sections 4.2.2, 4.2.3, 4.2.4, 5.1, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.3.1, 5.3.2.1, 5.3.2.2.1, 5.3.2.2.2, 5.3.3.3.1, 5.3.3.3.2, 5.6.1, 5.6.2, 5.9.1, 5.9.2, 5.9.3, 5.9.4, 5.19.1, 5.19.7.1, 5.19.7.2, 5.19.7.3, 5.19.7.4, 6.1, 6.2.1, 6.2.2; Figures 4.2.3, 4.2.4-1 3GPP TS 24.501 V15.6.0: Sections 3.2, 4.1, 4.2, 5.1.1, 5.1.3.1, 5.1.3.2.1.1, 5.1.3.2.1.2.2, 5.1.3.2.1.2.4, 5.3.2, 5.3.3, 5.3.10, 5.3.11, 6.1.1, 6.2.3, 6.2.7, 6.2.8, 6.3.3.1, 6.3.3.2, 6.3.3.3, 8.3.3.1, 8.3.3.2, 8.3.14.1, 8.3.14.2; Figure 5.1.3.2.1.1.1; Tables 8.2.2.1.1, 8.2.1.1.1.1
		US9014667	35	3GPP TS 22.368 V10.5.0: Sections 3.1, 3.2, 4, 7.11, Annex A 3GPP TS 23.003 V10.10.0: Sections 2.1 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.3, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.8.2.2, 13.1, 13.2.1, 13.2.3, 13.4, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11 3GPP TS 26.237 V10.8.0, Sections 4.3, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.2, 21, 21.1 and 21.1.1, Figures 3, 4, 7, 30 and 46 3GPP TS26.114 V10.8.0, sections 4.1, 6, 6.1, 6.2 and 6.2.1 and Figure 4.1	35	3GPP TS 22.368 V10.5.0: sections 3.1, 3.2, 4, 7.1.1 and Annex: A: Informative 3GPP TS 22.003 V10.10.0: section 2.1 3GPP TS 23.060 V10.14.0: sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.3, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.8.2.2, 13.1, 13.2.1, 13.2.3, 13.4, 14.1 and 14.2 3GPP TS 24.008 V10.15.0: sections 4.1.1.7, 4.7.3.1.4 and 6.1.3.11 3GPP TS26.237 V10.8.0, Sections 4.3, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.2, 21, 21.1 and 21.1.1, Figures 3, 4, 7, 30 and 46 3GPP TS26.114 V10.8.0, sections 4.1, 6, 6.1, 6.2 and 6.2.1 and Figure 4.1		
	KPN007	CNZL200880121914.6	1	3GPP TS26.237 V10.8.0, Section 4.3, 7, 7.1, 8, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.1, 13.2; Figures 3, 4, 7, 30 3GPP TS 26.114 V10.8.0; Section 4.1, 6, 6.1; Figure 4.1 3GPP TS 26.346 V9.15.0; Section 5.2, 5.2.1, 5.2.3, 5.2.3.1, 5.2.4, 5.2.5, 5.2.5.1, 5.2.5.7, 5.2.5.8	1	3GPP TS26.237 V10.8.0, Section 4.3, 7, 7.1, 8, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.1, 13.2; Figures 3, 4, 7, 30 3GPP TS 26.114 V10.8.0; Section 4.1, 6, 6.1; Figure 4.1 3GPP TS 26.346 V9.15.0; Section 5.2, 5.2.1, 5.2.3, 5.2.3.1, 5.2.4, 5.2.5, 5.2.5.1, 5.2.5.7, 5.2.5.8		
		US8549151	1	3GPP TS 26.234 V10.5.0 Sections 5.6.1, 5.6.2 3GPP TS 26.237 V10.8.0 Sections 4.3, 8.1, 8.2.3.1, 8.2.3.2, 8.2.4.1, 8.2.4.2, 8.2.4.3, 13, 13.1, 13.2, 21, 21.1.1, 21.1.4; Figure 3, 4, 7, 8, 30, 46 3GPP TS 26.114 V10.8.0 Sections 4.1, 6.1, 6.2.1, 6.5; Figure 4.1	1	3GPP TS 26.234 V10.5.0 Sections 5.6.1, 5.6.2 3GPP TS 26.237 V10.8.0 Sections 4.3, 8.1, 8.2.3.1, 8.2.3.2, 8.2.4.1, 8.2.4.2, 8.2.4.3, 13, 13.1, 13.2, 21, 21.1.1, 21.1.4; Figure 3, 4, 7, 8, 30, 46 3GPP TS 26.114 V10.8.0 Sections 4.1, 6.1, 6.2.1, 6.5; Figure 4.1		
	KPN008	EP2517495 (DE, ES, FI, FR, GB, NL, PL, SE)			1	3GPP TS 32.521 V10.2.0: Section 4.1 3GPP TS 32.522 V10.6.0: Section 4.5.3.1 3GPP TS 36.331 V10.12.0: Sections 5.6.5.1, 5.6.5.2, 5.6.5.3, 5.6.6.1, 5.6.6.2 3GPP TS 37.320 V10.4.0: Sections 4.1, 5.1.1.1, 5.1.1.3.2, 5.1.1.3.3, 5.1.3, 5.1.4, 7, Annex A		
		USRE48089	6	3GPP TS 37.320 V10.4.0: Sections 1, 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.3.2, 5.1.1.3.3, Annex A 3GPP TS 32.422 V10.13.0: Section 6 3GPP TS 36.331 V10.12.0: Sections 5.6.6, 5.6.6.1, 5.6.6.2, 6.2.2	6	3GPP TS 37.320 V10.4.0: Sections 1, 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.3.2, 5.1.1.3.3, Annex A 3GPP TS 32.422 V10.13.0: Section 6 3GPP TS 36.331 V10.12.0: Sections 5.6.6, 5.6.6.1, 5.6.6.2, 6.2.2		

Koninklijke KPN N.V.	KPN009	CNZL201080013541.8	1, 5, 12, 13, 14	3GPP TS 23.228 V12.10.0: Sections U.1.0, U.1.2, U.1.3.1 and U.2.2, Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2 and 7.1	1, 5, 12, 13, 14	3GPP TS 23.228 V12.10.0: Sections U.1.0, U.1.2, U.1.3.1 and U.2.2, Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2 and 7.1	1, 5, 12, 13, 14	3GPP TS 23.228 V12.10.0: Sections U.1.0, U.1.2, U.1.3.1 and U.2.2, Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2 and 7.1
		JP5436577	17	3GPP TS 23.228 V12.4.0: Annex U.1.0, U.1.2, U.2.2; Fig. U.1.2-1 3GPP TS 24.371 V12.9.0: Sections 1, 2, 4.1 5D.1, 5D.2, 7.1	17	3GPP TS 23.228 V12.4.0: Annex U.1.0, U.1.2, U.2.2; Fig. U.1.2-1 3GPP TS 24.371 V12.9.0: Sections 1, 2, 4.1 5D.1, 5D.2, 7.1		
		US9667669	15, 16	3GPP TS 23.228 V12.10.0: Sections 4.6.1, U.1.0, U.1.2, U.1.3.1, U.2.2; Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1	15, 16	3GPP TS 23.228 V12.10.0: Sections 4.6.1, U.1.0, U.1.2, U.1.3.1, U.2.2; Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1	15, 16	3GPP TS 23.228 V12.10.0: Sections 4.6.1, U.1.0, U.1.2, U.1.3.1, U.2.2; Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1
	KPN010	US8660560	1, 9	3GPP TS 37.320 V10.4.0: Sections 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3.2, 5.1.1.3.3; Figure 5.1.1.1-1 3GPP TS 25.484 V10.2.0: Section 4.1; Figure 4.1-1 3GPP TS 32.422 V10.13.0: Sections 4.1.1.2a, 4.1.5, 6; Figure 6.2 3GPP TS 25.331 V10.15.0: Sections 8.5.63, 8.5.63.1, 8.5.63.2, 8.5.64.1, 8.5.64.2, 8.5.64.3, 10.2, 10.2.16da, 10.2.48, 10.2.48.8, 10.2.48.8.6, 10.2.48.8.7, 10.2.48.8.14, 10.2.48.8.15, 10.3.7, 10.3.7.13, 10.3.7.23, 10.3.7.33, 11.3; Figure 8.5.64.1-1 3GPP TS 25.304 V10.7.0: Section 5.7 3GPP TS 25.306 V10.10.0: Section 4.7, 4.15	1, 9	3GPP TS 37.320 V10.4.0: Sections 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3.2, 5.1.1.3.3; Figure 5.1.1.1-1 3GPP TS 25.484 V10.2.0: Section 4.1; Figure 4.1-1 3GPP TS 32.422 V10.13.0: Sections 4.1.1.2a, 4.1.5, 6; Figure 6.2 3GPP TS 25.331 V10.15.0: Sections 8.5.63, 8.5.63.1, 8.5.63.2, 8.5.64.1, 8.5.64.2, 8.5.64.3, 10.2, 10.2.16da, 10.2.48, 10.2.48.8, 10.2.48.8.6, 10.2.48.8.7, 10.2.48.8.14, 10.2.48.8.15, 10.3.7, 10.3.7.13, 10.3.7.23, 10.3.7.33, 11.3; Figure 8.5.64.1-1 3GPP TS 25.304 V10.7.0: Section 5.7 3GPP TS 25.306 V10.10.0: Section 4.7, 4.15		
	KPN011*	EP0831613 (BE, CH, DE, ES, FI, FR, GB, IE, IT, LU, NL, SE)			1	3GPP TS 36.212 V8.8.0: Sections 5, 5.1.1, 5.1.2, 5.3.2, 5.3.2.1; Figure 5.3.2-1		
	KPN012	EP2299649 (DE, ES, FI, FR, GB, HU, IT, NL, PL, SE)			1, 15	3GPP TS 23.228 V10.4.0: Sections 3.1, 4.14, 3GPP TS 24.229 V10.3.0: Sections 1, 3.2, 5.3, 5.3.2, 5.3.2.1, 5.3.2.1A, 5.4, 5.4.3.1, 5.4.3.2, 5.7, 5.7.1.3A, 5.7.1.7, 5.7.1.7.25.10, 5.10.1, 5.10.3, 5.10.3.2, 7.2A, 7.2A.6, 7.2A.6.1, 7.2A.6.3 ETSI TS 124 229 V10.3.0		
		JP5237340			1, 15	3GPP TS 23.228 V10.4.0: Sections 3.1, 4.14, 3GPP TS 24.229 V10.3.0: Sections 1, 3.2, 5.3, 5.3.2, 5.3.2.1, 5.3.2.1A, 5.4, 5.4.3.1, 5.4.3.2, 5.7, 5.7.1.3A, 5.7.1.7, 5.7.1.7.25.10, 5.10.1, 5.10.3, 5.10.3.2, 7.2A, 7.2A.6, 7.2A.6.1, 7.2A.6.3 ETSI TS 124 229 V10.3.0		
		US8601141			1, 15	3GPP TS 23.228 V10.4.0: Sections 3.1, 4.14, 3GPP TS 24.229 V10.3.0: Sections 1, 3.2, 5.3, 5.3.2, 5.3.2.1, 5.3.2.1A, 5.4, 5.4.3.1, 5.4.3.2, 5.7, 5.7.1.3A, 5.7.1.7, 5.7.1.7.25.10, 5.10.1, 5.10.3, 5.10.3.2, 7.2A, 7.2A.6, 7.2A.6.1, 7.2A.6.3 ETSI TS 124 229 V10.3.0		
	KPN014	EP2567564 (DE, FI, FR, GB, NL, SE)			1	3GPP TS 32.551 V11.3.1: Sections 3.1, 4.1.1 3GPP TS 36.300 V11.9.0: Sections 20.2.2.15, 22.4.4.2 3GPP TS 36.413 V11.6.0: Sections B.1.14		
	KPN015*	AU684543			1	3GPP TS 22.278 V10.2.0: 2010-09: section 7.2 3GPP TS 23.402 V10.0.0: 2010-06: section 4.5.1, 4.8.2.1		
		EP0716797 (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE)			1	3GPP TS 22.278 V10.2.0: Section 7.2 3GPP TS 23.402 V10.0.0: Section 4.5.1, 4.8.2.1		
		JP3525258			1	3GPP TS 22.278 V10.2.0: 2010-09: section 7.2 3GPP TS 23.402 V10.0.0: 2010-06: section 4.5.1, 4.8.2.1		
	KPN017	EP2566263 (DE, FI, FR, GB, IT, NL, PL, SE)			1, 2, 9	3GPP TS 23.003 V13.10.0 (included by reference in TS 23.682 V13.9.0 and in TS 36.331 V13.6.1): Section 15.3 3GPP TS 23.246 V13.3.0 (included by reference in TS 23.682 V13.9.0 and in TS 36.331 V13.6.1): Sections 3.1, 4.4.3, 4.4.3.3, 4.4.3.4; Figure 4 3GPP TS 23.682 V13.9.0: Sections 1, 4.2, 4.5.5, 5.5.1; Figure 5.5.1-1 3GPP TS 36.331 V13.6.1: Sections 5.8.1.1, 5.8.2.1, 6.2.2, 6.3.7; Figure 5.8.2.1-1		
	KPN018	US9699820			16	3GPP TS 23.303 V12.8.0: Sections 5.6.2; Annex A.2		
	KPN019	US9372098			1, 15, 17, 21	3GPP TS 23.401 V13.8.0: Sections 4.11, 5.3.4 B, 5.3.4 B.1; Figure 5.3.4. B-1 3GPP TS 23.682 V13.6.0: Sections 5.13.4; Figure 5.13.4-1	1, 21	3GPP TS 23.401 V16.4.0 (included by reference into TS 23.501): Sections 4.10 3GPP TS 23.501 V16.2.0: Sections 5.31.1, 5.31.4.1 3GPP TS 23.502 V16.2.0: Sections 4.24.1, 4.25.4; Figures 4.24.1-1, 4.25.4-1 3GPP TS 24.501 V16.4.1: Sections 4.1, 5.3.21, 5.6.1.1, 5.6.1.2.2, 5.6.1.4.2
	KPN020	US9820134			1, 10, 11, 12	3GPP TS 23.303 V13.6.0: Sections 3.1, 3.2, 4.6.4.2a, 5.3.1.2, 5.3.2A, 5.3.3A.2, 5.3.3A.4; Figures 5.3.2A-1, 5.3.3A.2A-1, 5.3.3A.4A-1		
	KPN021	EP2656648 (DE, FI, FR, GB, IT, NL, SE)			1, 9	3GPP TS 33.163 V15.3.0: Sections 3.1, 4.5, 4.6.2.2, 5.1.0, 5.1.3; Figures 4.6.2.2-1; Table: 5.1.3-1		

Koninklijke KPN N.V.	KPN022	US9907101				1, 12, 19	3GPP TS 23.501 V15.4.0: Sections 1, 3.1, 3.2, 4.2.1, 4.2.2, 5.1, 5.2.1, 5.3.1, 5.3.2.1, 5.3.2.2.1, 5.3.2.2.2, 5.6.1, 5.6.2, 8.2.2.1, 8.2.2.2; Figure 8.2.2.2-1 3GPP TS 23.502 V15.4.0: Sections 4.2.2.2.1, 4.2.2.2.2, 4.3.2.1, 4.3.2.2.1, 5.2.2.2.1, 5.2.2.2.2, 5.2.3.3.1, 5.2.3.3.2; Figures 4.2.2.2.2-1, 4.3.2.2.1-1; Tables 5.2.2.2.2-1, 5.2.3.3.1-1 3GPP TS 38.202 V15.3.0: Sections 5, 5.1.1; Figure 5.1.1-1 3GPP TS 33.501 V15.0.0: Section 4.1, 6.1.1.1, 6.1.1.4.1, 6.1.1.4.2, 6.1.2, 6.1.3.2; Annex A.4; Figure 6.1.2-1
	KPN023	EP2377337 (DE, FR, GB, IT, NL) US8881235				1, 12	3GPP TS 33.501 V15.0.0: Section 3.2, 6.1.1.1, 6.1.1.4.1, 6.1.1.4.2, 6.1.2, 6.1.3.2; Annex A.4
						1, 10	3GPP TS 33.501 V15.0.0: Section 4.1, 6.1.1.1, 6.1.1.4.1, 6.1.1.4.2, 6.1.2, 6.1.3.2; Annex A.4; Figure 6.1.2-1
Korea Advanced Institute of Science and Technology	KAI001	KR10-1678792				8, 9	3GPP TS 38.000 V16.2.0: Section 9.2.6 3GPP TS 38.321 V16.1.0: Sections 5.1.1, 5.1.4a 3GPP TS 38.211 V16.2.0: Sections 6.3.1.1 3GPP TS 38.321 V16.1.0: Section 5.1.4a
	KAI002	KR10-1860205				1	3GPP TS 38.000 V16.2.0: Section 9.2.6 3GPP TS 38.321 V16.1.0: Sections 5.1.2a, 5.1.3 3GPP TS 38.211 V16.2.0: Sections 6.3.1.1, 6.3.3.1
Mitsubishi Electric Corporation	MEL011	CNZL201510125007.0		3	3GPP TS 36.321 V9.1.0: Sections 4.2.1, 4.3.1, 4.3.2, 4.4, 5.4.4		
		JP5160667		3	3GPP TS 36.213 V9.0.1: Sections 7.2, 7.2.2		
		US9635656		3	3GPP TS 36.213 V9.0.1: Sections 7.2, 7.2.2 3GPP TS 36.201 V9.0.0: Section 5.5 3GPP TS 36.321 V9.1.0: Section 5.4.4	3	3GPP TS 38.212 V15.7.0: Sections 3.3, 6.3.1.1 3GPP TS 38.213 V15.7.0: Section 9.2.5 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1 3GPP TS 38.300 V15.7.0: Section 10.4 3GPP TS 38.321 V15.7.0: Sections 3.2, 4.2.2, 5.4.4 3GPP TS 38.331 V15.7.0: Section 6.3.2
	MEL013	CNZL201510577683.1		4	3GPP TS 36.213 V8.2.0: Sections 7.2, 7.2.2 3GPP TS 36.300 V8.5.0: Sections 4.3, 4.3.2, 5.1, 5.1.3, 11.5, 12 3GPP TS 36.321 V8.4.0: Section 3.1, 4.3, 4.3.2, 5.7 3GPP TS 36.331 V8.5.0: Sections 6.3, 6.3.2		
		IN262788		2	3GPP TS 36.213 V9.0.1: Sections 7.2, 10.1	2	3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5, 9.2.6 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1, 5.2.1.1, 5.2.1.4 3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.331 V15.7.0: Section 6.3.2
		JP4841630		2	3GPP TS 36.213 V9.0.1: Sections 7.2, 10.1	2	3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5 3GPP TS 38.331 V15.7.0: Sections 5.5.1, 6.3.2
		JP5822996		4	3GPP TS 36.213 V8.2.0: Sections 7.2, 7.2.2 3GPP TS 36.300 V8.5.0: Sections 4.3, 4.3.2, 5.1, 5.1.3, 11.5, 12 3GPP TS 36.321 V8.4.0: Section 3.1, 4.3, 4.3.2, 5.7 3GPP TS 36.331 V8.5.0: Sections 6.3, 6.3.2		
		KR10-1213062		2	3GPP TS 36.213 V9.0.1: Sections 7.2, 10.1	2	3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5, 9.2.6 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1, 5.2.1.1, 5.2.1.4 3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.331 V15.7.0: Section 6.3.2
		US10701639		4	3GPP TS 36.213 V8.2.0: Sections 7.2, 7.2.2 3GPP TS 36.300 V8.5.0: Sections 4.3, 4.3.2, 5.1, 5.1.3, 11.5, 12 3GPP TS 36.321 V8.4.0: Section 3.1, 4.3, 4.3.2, 5.7 3GPP TS 36.331 V8.5.0: Sections 6.3, 6.3.2		
		US10728857				2	3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5, 9.2.6 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1, 5.2.1.1, 5.2.1.4 3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.331 V15.7.0: Section 6.3.2
	MEL014	US10404436				1	3GPP TS 38.322 V17.2.0: sections 3.1, 4.2.1 3GPP TS 38.321 V17.3.0: sections 4.5, 4.5.1, 4.5.4.1, 5.4, 5.4.5, 5.4.3.2, 6.1.2, 6.1.3, 6.1.3.1, 6.2.1
		US11012217				1	3GPP TS 38.322 V17.2.0: sections 3.2, 4.2.1 3GPP TS 38.321 V17.3.0: sections 4.5, 4.5.1, 4.5.3, 4.5.4, 5.4, 5.4.5, 5.4.3.2, 6.1.2 3GPP TS 38.331 V17.3.0: sections 6.2.2, 6.3.2
	MEL016*	US9113445		1	3GPP TS 36.300 V10.6.0: Sections 6, 6.1, 6.1.2, 11.3; Figure 6-2 3GPP TS 36.306 V10.4.0: Sections 4, 4.1, 4.2.5; Table 4.1-3 3GPP TS 36.321 V10.4.0: Sections 5.4.3.1, 5.4.3.2, 5.4.5, 6.1.2, 6.1.3.1; Figure 6.1.2-3; Tables 6.1.3.1-1, 6.1.3.1-2 3GPP TS 36.322 V10.0.0: Sections 4.2.1, 4.2.1.1.1, 4.2.1.2.1, 4.2.1.3.1, 4.5; Figures 4.2.1-1, 4.2.1.1.1-1, 4.2.1.2.1-1, 4.2.1.3.1-1 3GPP TS 36.331 V10.6.0: Sections 5.6.3.1, 5.6.3.3, 6.3.6; Figure 5.6.3.1-1		

Mitsubishi Electric Corporation	MEL017	AU2014204428			5	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2				
		BRPI0807033-4			8	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2				
		IN385950			7	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2				
		JP5550697			5	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2				
		KR10-1898932			1, 6	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2				
	MEL018	AU2014201266			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1; Figure 4-1				
		CNZL201410189671.7			3	3GPP TS 23.401 V11.0.0: Sections 3.2, 4.3.13, 5.3.3.0, 5.3.3.2, 5.3.8.3				
		IDP000048649			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1; Figure 4-1				
		IN438764			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1; Figure 4-1				
		JP5538802			3	3GPP TS 23.401 V11.0.0: Sections 4.3.13, 5.3.3, 5.7.2				
		RU2554533			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1; Figure 4-1				
		US9713068			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1; Figure 4-1				
	MEL019	IN478712					3	3GPP TS 38.300 V15.0.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 9.2.2.1; Figure 4.1-1 3GPP TS 23.501 V15.0.0: Sections 3.1, 5.2.3.1, 5.2.3.2.3, 5.3.2.1, 5.3.2.2.1, 5.3.2.2.3, 5.3.2.2.4, 5.3.2.3, 5.3.3.2.1, 5.4.1.1, 6.2.1 3GPP TS 24.501 V15.0.0: Sections 3.2, 5.3.4, 5.3.7, 5.5.1.1, 5.5.1.3.1, 5.5.1.3.2, 5.5.1.3.4, 8.2.6.1, 8.2.7.1, 8.2.7.15, 9.10.2.5, 9.10.3.8; Tables 8.2.6.1.1, 8.2.7.1.1, 9.10.3.8.1; Figure 9.10.3.8.1 3GPP TS 24.008 V15.0.0: Sections 10, 10.1, 10.5.7.4a; Table 10.5.163a; Figure 10.1.10.5.147a		
		US10165482			3	3GPP TS 36.300 V10.3.0: Sections 1, 3.2, 4, 4.1, 4.2.1, 4.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3 3GPP TS 24.301 V10.2.0: Sections 1, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2, 5.5.3.2.4, 8.1, 8.2.26.1, 8.2.26.2, 8.2.26.15; Table 8.2.26.1	3	3GPP TS 38.300 V15.0.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 9.2.2.1; Figure 4.1-1 3GPP TS 23.501 V15.0.0: Sections 3.1, 5.2.3.1, 5.2.3.2.3, 5.3.2.1, 5.3.2.2.1, 5.3.2.2.3, 5.3.2.2.4, 5.3.2.3, 5.3.3.2.1, 5.4.1.1, 6.2.1 3GPP TS 24.501 V15.0.0: Sections 3.2, 5.3.4, 5.3.7, 5.5.1.1, 5.5.1.3.1, 5.5.1.3.2, 5.5.1.3.4, 8.2.6.1, 8.2.7.1, 8.2.7.15, 9.10.2.5, 9.10.3.8; Tables 8.2.6.1.1, 8.2.7.1.1, 9.10.3.8.1; Figure 9.10.3.8.1 3GPP TS 24.008 V15.0.0: Sections 10, 10.1, 10.5.7.4a; Table 10.5.163a; Figure 10.1.10.5.147a		
	MEL022	US10887731			5	3GPP TS 36.300 V17.3.0: Sections 3.2, 4.0, 4.6, 4.6.1, 10.5.1, 40.5.1.2 3GPP TS 36.331 V17.3.0: Sections 6.2.2, 6.3.4, 6.3.5	5	3GPP TS 38.300 V18.4.0: Sections 3.1, 3.2, 4.1, 9.2.1.2, 9.2.2.2, 16.7.2.1 3GPP TS 38.304 V18.4.0: Section 4.5 3GPP TS 38.331 V18.4.0: Sections 6.2.2, 6.3.1, 6.3.2		

Mitsubishi Electric Corporation	MEL025	EP2134006 (DE, FR, GB)			1	3GPP TS 36.211 V8.6.0: Sections 3.1, 4.2, 5.2.3, 5.6, 6.2.3, 6.12, 8.1; Figures 4.2-1, 8.1-1; Tables 4.2-1, 4.2-2, 5.2.3-1, 5.6-1, 6.2.3-1, 6.12-1 3GPP TS 36.213 V8.6.0: Section 4.2.3 3GPP TS 36.321 V8.5.0: Section 6.2.3 3GPP TS 36.300 V8.8.0: Section 5.2.7.3 3GPP TS 36.211 V8.6.0: Sections 3.1, 4, 4.2, 5.2, 6.2, 8.1 3GPP TS 36.213 V8.6.0: Section 4.2.3 3GPP TS 36.321 V8.5.0: Section 6.2.3 3GPP TS 36.300 V8.8.0: Section 5.2.7		
		JP4852615			1	3GPP TS 36.211 V8.6.0: Sections 3.1, 4, 4.2, 5.2, 6.2, 8.1 3GPP TS 36.213 V8.6.0: Section 4.2.3 3GPP TS 36.321 V8.5.0: Section 6.2.3 3GPP TS 36.300 V8.8.0: Section 5.2.7		
		US8068444			1	3GPP TS 21.905 V8.8.0: Section 3 3GPP TS 21.211 V8.6.0: Sections 3.1, 4, 4.2, 5.2.1, 5.2.2, 5.2.3, 6.2.1, 6.2.2, 6.2.3, 8.1; Figures 4.2-1, 5.2.1-1, 6.2.2-1; Tables 4.2-1, 5.2.3-1, 6.2.3-1 3GPP TS 36.213 V8.6.0: Section 4.2.3 3GPP TS 36.321 V8.5.0: Sections 5.1.4, 5.2, 6.2.3 3GPP TS 36.300 V8.8.0: Sections 3.2, 5, 5.2.7.3; Figures 5-1, 5-2; Table 5-1 3GPP TS 36.201 V8.3.0: Sections 4.1, 4.1.1, 4.2, 4.2.1 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.2		
	MEL027	CNZL201410767521.X			1, 2, 7, 8			
		EP1845678 (DE, ES, FI, FR, GB, IT, NL, PL, RO, SE, TR)			1, 3	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.212 V8.6.0: Sections 5.2.2.6.2, 5.2.2.6.4 3GPP TS 36.213 V8.6.0: Sections 7.2, 7.2.1	3	3GPP TS 38.300 V15.13.0: Section 4.1 3GPP TS 38.201 V15.0.0: Section 4.1.1 3GPP TS 38.214 V15.15.0: Sections 5.2.1, 5.2.1.1, 5.2.1.4, 5.2.2.1, 5.2.3 3GPP TS 38.331 V15.16.0: Section 6.3.2 3GPP TS 38.212 V15.13.0: Section 6.3.2.1.2
		EP2086146 (DE, ES, FI, FR, GB, IT, NL, PL, RO, SE, TR)			1, 2	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.212 V8.7.0: Sections 5.2.2.6.2, 5.2.2.6.4 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.1	2	3GPP TS 38.300 V15.13.0: Section 4.1 3GPP TS 38.201 V15.0.0: Section 4.1.1 3GPP TS 38.214 V15.15.0: Sections 5.2.1, 5.2.1.1, 5.2.1.4, 5.2.2.1, 5.2.3 3GPP TS 38.331 V15.16.0: Section 6.3.2 3GPP TS 38.212 V15.13.0: Section 6.3.2.1.2
		EP2256976 (DE, FR, GB)			1, 2	3GPP TS 36.201 V8.3.0: Sections 1, 3, 4, 4.1, 4.1.1, 4.2, 4.2.1 3GPP TS 36.213 V8.8.0: Sections 3, 3.2, 7, 7.2, 7.2.2		
		JP506861			1, 8	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.213 V8.8.0: Sections 7.2		
	MEL028	EP2254259 (DE, FR, GB)			1, 4	3GPP TS 36.211 V8.8.0: Sections 4.1.1, 4.2.1, 5.4.1, 5.5.2.2.1, 5.2.2.2.2 3GPP TS 36.213 V8.8.0: Sections 7.3, 10.1 3GPP TS 36.321 V8.7.0: Sections 5.4.1, 5.4.4, 5.4.5, 7.2.1 3GPP TS 36.331 V8.7.0: Sections 6.3.2	4	3GPP TS 38.300: Sections 4.1, 5.5, 10.3, 10.4 3GPP TS 38.321: Sections 4.5.4.2, 5.4.1, 5.4.4, 5.4.5 3GPP TS 38.213: Sections 9.2, 9.2.4 3GPP TS 38.211: Sections 5.2.2, 6.4.1.3.1, 6.4.1.3.2
		US8825067			1, 4	3GPP TS 36.321 V8.7.0: Sections 5.4.1, 5.4.4, 5.4.5 3GPP TS 36.213 V8.8.0: Sections 7.3, 10.1; Table 10.1-5 3GPP TS 36.331 V8.7.0: Sections 6.3.2 3GPP TS 36.211 V8.8.0: Sections 5.4.1, 5.5, 5.5.2.2.1, 5.5.2.2.2; Table 5.5.2.2.2-1		
	MEL038	CNZL201510061928.5					1	3GPP TS 38.211 V16.3.0: Sections 3.2, 4.4.2, 4.4.3, 5.3.1, 6.1.1, 6.3.1.1, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.3.1.7 3GPP TS 38.212 V16.3.0: Sections 4.1, 5, 6.2.1; Table 4.1-1 3GPP TS 38.214 V16.3.0: Sections 6.1.2.2, 6.1.2.2.2 3GPP TS 38.321 V16.2.1: Sections 4.2.2, 4.4; Figure 4.2.2-1 3GPP TS 38.300 V16.3.0: Sections 5.1, 5.4.1, 5.5, 6.2.1, 6.6 L2, 6.7; Figures 5.1-1, 6.6-1, 6.7-2
		KR10-1643434					1	3GPP TS 38.211 V16.3.0: Sections 3.2, 4.4.2, 4.4.3, 5.3.1, 6.1.1, 6.3.1.1, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.3.1.7 3GPP TS 38.212 V16.3.0: Sections 4.1, 5, 6.2.1; Table 4.1-1 3GPP TS 38.214 V16.3.0: Sections 6.1.2.2, 6.1.2.2.2 3GPP TS 38.321 V16.2.1: Sections 4.2.2, 4.4; Figure 4.2.2-1 3GPP TS 38.300 V16.3.0: Sections 5.1, 5.4.1, 5.5, 6.2.1, 6.6 L2, 6.7; Figures 5.1-1, 6.6-1, 6.7-2
	MEL040	CNZL201710464231.1					4	3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3
		IDP000047999					4	3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3

Mitsubishi Electric Corporation	MEL040	IN526603				5	3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3
		JP6076427				4	3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3
		KR10-1771415				4	3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3
		RU2704118				4	3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3
		US11405897		3	3GPP TS 36.300 V17.3.0: Sections 3.1, 4.9, 4.9.1, 20.2, 20.2.0 3GPP TS 36.331 V17.3.0: Sections 3.2, 6.2.2 3GPP TS 36.101 V18.0.0: Section 6.2.5 3GPP TS 36.213 V17.4.0: Section 6.1 3GPP TS 36.321 V17.3.0: Sections 5.1.1, 5.1.3 3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.1.5.1	3	3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3 3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3
	MEL041	BR122020018183-4		9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.1.5.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		CNZL201610021267.8		4	3GPP TS36.300 V11.4.0: Sections 3.2, 4, 16.1.5 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		EP3962181 (DE, FR, GB, NL) IDP000082932		5	3GPP TS 36.300 V17.3.0: Sections 16.1.5, 16.1.5.0, 20.2.0 3GPP TS 36.423 V17.3.0: Sections 8.3.1, 8.3.1.2, 9.1.2, 9.1.2.1		
				9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.1.5.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		JP6072859		9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.1.5.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		JP6351699		4	3GPP TS36.300 V11.4.0: Sections 3.2, 4, 16.1.5 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		KR10-1790569		9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.1.5.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		KR10-1902174		2	3GPP TS36.300 V11.4.0: Sections 3.2, 4, 16.1.5 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		RU2651808		5	3GPP TS36.300 V11.4.0: Sections 3.2, 4, 16.1.5 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		RU2677689		9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.1.5.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		US11496263		4	3GPP TS 36.300 V17.3.0: Sections 16.1.5, 16.1.5.0, 20.2.0 3GPP TS 36.423 V17.3.0: Sections 8.3.1, 8.3.1.2, 9.1.2, 9.1.2.1		
	MEL042	CNZL201611067214.6				3	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1
		EP3661071 (DE, FR, GB, NL)				3	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1
		IN475735				4	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1
		JP6400131				3	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1
		US9705648		1	3GPP TS 23.401 V12.0.0: Sections 4, 4.6, 4.6.3, 4.6.3.1, 4.6.3.2, 4.6.4 3GPP TS 36.300 V12.5.0: Sections 3.1, 3.2, 4, 4.3, 4.3.2, 4.9, 4.9.1, 4.9.3, 4.9.3.1, 10, 10.1, 10.1.2, 10.2.8, 10.1.2.8.1, 20, 20.2, 20.2.1	3	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1

Mitsubishi Electric Corporation	MEL043	EP3595390 (DE, FR, GB)				3	3GPP TS 38.300 V17.6.0: Sections 5.4.1, 7.7 3GPP TS 38.101-1 V17.11.0: Sections 5.2, 5.2A, 5.2A.2, 5.2A.2.1 3GPP TS 38.133 V17.11.0: Section 3.6.2.1 3GPP TS 38.331 V17.6.0: Sections 6.2.2, 6.3.2
		JP6767539				3	3GPP TS 38.300 V17.6.0: Sections 5.4.1, 7.7 3GPP TS 38.101-1 V17.11.0: Sections 5.2, 5.2A, 5.2A.2, 5.2A.2.1 3GPP TS 38.133 V17.11.0: Section 3.6.2.1 3GPP TS 38.331 V17.6.0: Sections 6.2.2, 6.3.2
		US10200976			2	3GPP TS 36.101 V11.3.0: Sections 2, 3.3, 5.5; Table 5.5-1 3GPP TS 36.300 V11.2.0: Sections 4, 7.5 3GPP TS 36.311 V11.2.0: Sections 3.2, 4.2.1, 5.1.2, 5.2.1.1, 5.2.2.1, 6.2.1, 6.3.1, 6.3.4; Figure 5.2.2.1-1	
		US10412712			3	3GPP TS 36.101 V11.6.0: Sections 5.5, 5.5A; Tables 5.5-1, 5.5A-2	3GPP TS 38.300 V15.3.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.4.1, 7.7 3GPP TS 38.101-1 V15.3.0: Sections 3.1, 3.3, 5.1, 5.2, 5.2A.2, 5.5A.3; Tables 5.1-1, 5.2-1, 5.2A.2-1, 5.5A.3-1 3GPP TS 38.133 V15.3.0: Sections 3.1, 3.3, 3.6, 3.6.2.1 3GPP TS 38.300 V17.6.0: Sections 5.4.1, 7.7 3GPP TS 38.101-1 V17.11.0: Sections 5.2, 5.2A, 5.2A.2, 5.2A.2.1 3GPP TS 38.133 V17.11.0: Section 3.6.2.1
		US11337181				3	3GPP TS 38.331 V17.6.0: Sections 6.2.2, 6.3.2 3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4 3GPP TS 38.133 V18.5.0: sections 3.3, 7.1, 7.1.1, 7.1.2 3GPP TS 38.211 V18.2.0: sections 3.2, 4.2, 4.3.1 3GPP TS 38.213 V18.2.0: sections 4.2, 5.2 3GPP TS 38.300 V18.1.0: sections 4.1, 4.4.1, 4.4.2, 5.4, 5.4.1, 7.7, 9.2.9 3GPP TS 38.321 V18.1.0: sections 5.2, 6.1.3, 6.1.3.4 3GPP TS 38.331 V18.1.0: sections 3.1, 6.3.2
	MEL044	CNZL201810939948.1			1	3GPP TS 36.300 V15.6.0: Sections 3.1, 3.2, 5.5.0, 7.5, 10.1.2.7, 10.1.5.0, 10.1.5.2; Figure 10.1.5.2-1 3GPP TS 36.321 V15.6.0: Sections 5.1.4, 6.1.3.5; Figure 6.1.3.5-1 3GPP TS 36.213 V15.6.0: Section 4.2.3 3GPP TS 36.104 V15.7.0: Sections 6.5.3, 6.5.3.1 3GPP TS 36.211 V15.6.0: Section 8.1: Figure 8.1-1	1
		CNZL201910359183.9				1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4 3GPP TS 38.133 V18.5.0: sections 3.3, 7.1, 7.1.1, 7.1.2 3GPP TS 38.211 V18.2.0: sections 3.2, 4.2, 4.3.1 3GPP TS 38.213 V18.2.0: sections 4.2, 5.2 3GPP TS 38.300 V18.1.0: sections 4.1, 4.4.1, 4.4.2, 5.4, 5.4.1, 7.7, 9.2.9 3GPP TS 38.321 V18.1.0: sections 5.2, 6.1.3, 6.1.3.4 3GPP TS 38.331 V18.1.0: sections 3.1, 6.3.2
		EP3451730 (DE, FR, GB, NL)				1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4 3GPP TS 38.133 V18.5.0: sections 3.3, 7.1, 7.1.1, 7.1.2 3GPP TS 38.211 V18.2.0: sections 3.2, 4.2, 4.3.1 3GPP TS 38.213 V18.2.0: sections 4.2, 5.2 3GPP TS 38.300 V18.1.0: sections 4.1, 4.4.1, 4.4.2, 5.4, 5.4.1, 7.7, 9.2.9 3GPP TS 38.321 V18.1.0: sections 5.2, 6.1.3, 6.1.3.4 3GPP TS 38.331 V18.1.0: sections 3.1, 6.3.2
		IN528582				1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4 3GPP TS 38.133 V18.5.0: sections 3.3, 7.1, 7.1.1, 7.1.2 3GPP TS 38.211 V18.2.0: sections 3.2, 4.2, 4.3.1 3GPP TS 38.213 V18.2.0: sections 4.2, 5.2 3GPP TS 38.300 V18.1.0: sections 4.1, 4.4.1, 4.4.2, 5.4, 5.4.1, 7.7, 9.2.9 3GPP TS 38.321 V18.1.0: sections 5.2, 6.1.3, 6.1.3.4 3GPP TS 38.331 V18.1.0: sections 3.1, 6.3.2
		IN545729				1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4 3GPP TS 38.133 V18.5.0: sections 3.3, 7.1, 7.1.1, 7.1.2 3GPP TS 38.211 V18.2.0: sections 3.2, 4.2, 4.3.1 3GPP TS 38.213 V18.2.0: sections 4.2, 5.2 3GPP TS 38.300 V18.1.0: sections 4.1, 4.4.1, 4.4.2, 5.4, 5.4.1, 7.7, 9.2.9 3GPP TS 38.321 V18.1.0: sections 5.2, 6.1.3, 6.1.3.4 3GPP TS 38.331 V18.1.0: sections 3.1, 6.3.2
		JP6770161				1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4 3GPP TS 38.133 V18.5.0: sections 3.3, 7.1, 7.1.1, 7.1.2 3GPP TS 38.211 V18.2.0: sections 3.2, 4.2, 4.3.1 3GPP TS 38.213 V18.2.0: sections 4.2, 5.2 3GPP TS 38.300 V18.1.0: sections 4.1, 4.4.1, 4.4.2, 5.4, 5.4.1, 7.7, 9.2.9 3GPP TS 38.321 V18.1.0: sections 5.2, 6.1.3, 6.1.3.4 3GPP TS 38.331 V18.1.0: sections 3.1, 6.3.2
		JP7003201			1	3GPP TS 36.300 V15.6.0: Sections 3.1, 3.2, 5.5.0, 7.5, 10.1.2.7, 10.1.5.0, 10.1.5.2; Figure 10.1.5.2-1 3GPP TS 36.321 V15.6.0: Sections 5.1.4, 6.1.3.5; Figure 6.1.3.5-1 3GPP TS 36.213 V15.6.0: Section 4.2.3 3GPP TS 36.104 V15.7.0: Sections 6.5.3, 6.5.3.1 3GPP TS 36.211 V15.6.0: Section 8.1: Figure 8.1-1	1
		US10728889			1	3GPP TS 36.300 V15.6.0: Sections 3.1, 3.2, 5.5.0, 7.5, 10.1.2.7, 10.1.5.0, 10.1.5.2; Figure 10.1.5.2-1 3GPP TS 36.321 V15.6.0: Sections 5.1.4, 6.1.3.5; Figure 6.1.3.5-1 3GPP TS 36.213 V15.6.0: Section 4.2.3 3GPP TS 36.104 V15.7.0: Sections 6.5.3, 6.5.3.1 3GPP TS 36.211 V15.6.0: Section 8.1: Figure 8.1-1	1

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	MEL045	CNZL201510225622.9			4	3GPP TS 36.211 V10.5.0: Sections 1, 3.2, 6.1, 6.5, 6.11.1.2, 6.11.2.2 3GPP TS 36.331 V10.5.0: Sections 5.3.2.1, 5.3.2.2, 5.8.1.1, 6.3.7 3GPP TS 36.211 V10.5.0: Sections 7.1, 7.2	
		JP5602255			4	3GPP TS 36.211 V10.5.0: Sections 6.1, 6.5, 6.11.1, 6.11.2 3GPP TS 36.304 V10.5.0: Sections 7.1, 7.2 3GPP TS 36.331 V10.5.0: Sections 5.3.2, 6.3.7	
	MEL046	JP6612940			4	3GPP TS 36.300 V12.5.0: Sections 4, 4.9.1 and 10.1.2.8.1 3GPP TS 35.423 V12.5.0: Sections 1 and 9.1.3.2 3GPP TS 36.331 V12.5.0: Sections 6.2.2 and 6.3.2	4 3GPP TS 38.300 V15.0.0: Sections 1, 4.5 3GPP TS 37.340 V15.0.0: Sections 1, 3.1, 3.2, 4.1.2, 4.2.1, 10.2.1 3GPP TS 36.423 V15.2.0: Sections 1, 7, 8.7.4.2, 9.1.4.2 3GPP TS 38.331 V15.1.0: Sections 6.2.2, 6.3.2, 11.2 3GPP TS 36.331 V15.1.0: Sections 5.3.5.3, 6.2.2
	MEL048	CNZL201710562025.4				4	3GPP TS 38.300 V17.3.0: sections 4.1, 5.4, 5.4.1 3GPP TS 38.331 V17.3.0: sections 5.6.1, 5.6.1.1, 5.6.1.3, 5.6.1.4, 6.3.3 3GPP TS 38.101-1 V17.8.0: section 3.1
		EP3661240 (DE, FR, GB, NL)				5	3GPP TS 38.300 V17.3.0: sections 4.1, 5.4, 5.4.1 3GPP TS 38.331 V17.3.0: sections 5.6.1, 5.6.1.1, 5.6.1.3, 5.6.1.4, 6.3.3 3GPP TS 38.101-1 V17.8.0: section 3.1
		JP6815286				4	3GPP TS 38.300 V17.3.0: sections 4.1, 5.4, 5.4.1 3GPP TS 38.331 V17.3.0: sections 5.6.1, 5.6.1.1, 5.6.1.3, 5.6.1.4, 6.3.3 3GPP TS 38.101-1 V17.8.0: section 3.1
		US10356635			5	3GPP TS 36.300 V17.3.0: Sections 4.0, 5.5, 5.5.0, 7.5 3GPP TS 36.331 V17.3.0: Sections 5.6.3, 5.6.3.1, 5.6.3.3, 6.2, 6.2.2 3GPP TS 36.1.1 V17.8.0: Sections 3.1	5 3GPP TS 38.300 V17.3.0: sections 4.1, 5.4, 5.4.1 3GPP TS 38.331 V17.3.0: sections 5.6.1, 5.6.1.1, 5.6.1.3, 5.6.1.4, 6.3.3 3GPP TS 38.101-1 V17.8.0: section 3.1
	MEL049	JP6457578				3	3GPP TS 38.101-1 V18.4.0: section 5.2 3GPP TS 38.211 V18.1.0: section 6.4.1.4.2 3GPP TS 38.212 V18.1.0: section 7.3.1.3.4 3GPP TS 38.213 V18.1.0: Section 11.4 3GPP TS 38.300 V18.0.0: sections 5.3.6, 5.4.1 3GPP TS 38.331 V18.0.0: section 6.2.2, 6.3.2 3GPP TS 38.101-1 V18.4.0: section 5.2
		US12003325			2	3GPP TS 36.300 V18.1.0: Sections 4.0, 4.3.1, 4.3.2, 5.5.0, 5.5.1 3GPP TS 36.331 V18.1.0: Sections 5.6.3.1, 5.6.3.3, 6.2.2, 6.3.6	2 3GPP TS 38.211 V18.1.0: section 6.4.1.4.2 3GPP TS 38.212 V18.1.0: section 7.3.1.3.4 3GPP TS 38.213 V18.1.0: Section 11.4 3GPP TS 38.300 V18.0.0: sections 5.3.6, 5.4.1 3GPP TS 38.331 V18.0.0: section 6.2.2, 6.3.2
		US12177025				4	3GPP TS 36.321 V18.4.0: Sections 5.13, 6.1.3.8 3GPP TS 36.300 V18.4.0: Sections 5.5.0, 7.5 3GPP TS 36.331 V18.4.0: Sections 5.3.10, 6.2.2
	MEL050	CNZL201710073972.7			2	3GPP TS 36.300 V17.3.0: Sections 3.1, 3.2, 4.0, 4.9, 4.9.1, 4.9.3.3, 6.3, 6.3.5, 7.6, 10.1.2.8.9 3GPP TS 36.331 V17.3.0: Sections 5.5.5, 5.5.5.1, 6.2	
		JP6366763			2	3GPP TS 36.300 V17.3.0: Sections 3.1, 3.2, 4.0, 4.9, 4.9.1, 4.9.3.3, 6.3, 6.3.5, 7.6, 10.1.2.8.9 3GPP TS 36.331 V17.3.0: Sections 5.5.5, 5.5.5.1, 6.2	
		US10575191			6	3GPP TS 36.300 V17.3.0: Sections 3.1, 3.2, 4.0, 4.9, 4.9.1, 4.9.3.3, 6.3, 6.3.5, 7.6, 10.1.2.8.9 3GPP TS 36.331 V17.3.0: Sections 5.5.5, 5.5.5.1, 6.2	
		US10893421				3	3GPP TS 38.300 V17.3.0: sections 3.1, 3.2, 4.1, 5.4, 5.4.1, 7.7, 16.7, 16.7.1 3GPP TS 38.331 V17.3.0: sections 5.3.3.1, 5.3.3.4, 6.2, 6.2.2, 6.3.2
	MEL054	CNZL201911334776.6				3	3GPP TS 38.401 V17.6.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.6.0: Sections 4.1, 4.4.1 3GPP TS 38.425 V17.3.0: Sections 3.1, 5.4.3.1, 5.5.2.3, 5.5.3.39, 5.5.3.40, 5.5.3.44
		CNZL201911335452.4				3	3GPP TS 38.401 V17.0.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.0.0: Sections 1, 4.4.1 3GPP TS 38.473 V17.0.0: Sections 8.2.7.1, 8.2.7.2, 9.2.1.15
		CNZL201911336053.X				3	3GPP TS 38.401 V17.0.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.0.0: Sections 4.4.1 3GPP TS 38.473 V17.0.0: Sections 8.3.7.2
		IN509135				3	3GPP TS 38.401 V17.0.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.0.0: Sections 4.4.1 3GPP TS 38.473 V17.0.0: Sections 8.3.7.2

Mitsubishi Electric Corporation	MEL054	JP6851438				3	3GPP TS 38.401 V17.0.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.0.0: Sections 4.4.1 3GPP TS 38.473 V17.0.0: Sections 8.3.7.2
		JP7072696				3	3GPP TS 38.401 V17.0.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.0.0: Sections 1, 4.4.1 3GPP TS 38.473 V17.0.0: Sections 8.2.7.1, 8.2.7.2, 9.2.1.15
		JP7254233				3	3GPP TS 38.401 V17.6.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.6.0: Sections 4.1, 4.4.1 3GPP TS 38.425 V17.3.0: Sections 3.1, 5.4.3.1, 5.5.2.3, 5.5.3.39, 5.5.3.40, 5.5.3.44
	MEL055	JP7463447				8	3GPP TS 38.300 V18.1.0: Sections 4.4.1, 4.4.2 3GPP TS 38.331 V18.1.0: Sections 5.2.1, 5.2.2.1, 5.2.2.2.1, 6.2.2, 6.3.2
	MEL056	CNZL201910467286.7				1	3GPP TS 38.300 V18.4.0: Sections 4, 4.1, 5, 5.1, 5.3, 5.3.1, 5.3.2 3GPP TS 38.211 V18.5.0: Sections 3, 3.2, 6, 6.3, 6.3.1, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.4, 6.4.1, 6.4.1.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3 3GPP TS 38.214 V18.5.0: Sections 6, 6.2, 6.2.2
		CNZL201910467299.4				1	3GPP TS 38.211 V16.1.0: Sections 3.2, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.4.1.1.1.2, 6.4.1.1.3; Tables 6.4.1.1.3-1, 6.4.1.1.3-5 3GPP TS 38.300 V16.1.0: Sections 1, 4.4.1, 4.4.2, 5.1, 5.2.3, 5.3.2, 10.1; Figures 4.4.1-1, 4.4.2-1, 5.1-1.
		JP6239194				1	3GPP TS 38.201 V16.0.0: Sections 3.3 3GPP TS 38.211 V15.6.0: Sections 3.2, 5.1, 5.2.2, 6.2, 6.3.1.6, 6.4.1.1.6, 6.4.1.1.1.2, 6.4.1.1.1.3 3GPP TS 38.300 V15.6.0: Sections 5.1, 5.3.2
		JP6972196				1	3GPP TS 38.211 V18.5.0: Sections 3.2, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.4.1.1.1.2, 6.4.1.1.3 3GPP TS 38.214 V18.5.0: Section 6.2.2 3GPP TS 38.300 V18.4.0: Section 4.1, 5.1, 5.3.1, 5.3.2
		US10594527				1	3GPP TS 38.211 V18.5.0: Sections 3.2, 4.3.2, 4.4.4.1, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.4.1.1 3GPP TS 38.214 V18.5.0: Section 6.2.2 3GPP TS 38.300 V18.4.0: Sections 4.1, 5.1, 5.3.1, 5.3.2
	MEL057	JP6300992				1	3GPP TS 38.201 V16.0.0: Sections 3.3 3GPP TS 38.211 V15.6.0: Sections 3.2, 5.2.1, 6.2, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.4.1.2.1.2, 6.4.1.2.2.2 3GPP TS 38.300 V15.6.0: Sections 5.1
		JP6918157				1	3GPP TS 38.211 V18.5.0: Sections 3.2, 6.3.1.1, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.3.1.6, 6.4.1.2.1.2, 6.4.1.2.2.2 3GPP TS 38.300 V18.4.0: Section 5.1
		US11290312				2	3GPP TS 38.211 V15.6.0: Sections 3.2, 3.3, 5.1, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.4.1.2.2.2; Tables 6.3.1.2-1, 6.4.1.2.2.2-1 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.1, 5.3.2; Figure 5.1-1
	MEL058	CNZL202210358304.X				1	3GPP TS 38.211 V15.8.0: Section 3.3 3GPP TS 38.213 V15.8.0: Sections 4.1, 10.1, 13; Tables 13-7, 13-8 3GPP TS 38.300 V15.8.0: Sections 4.1, 5.2.4, 5.5 3GPP TS 38.331 V15.8.0: Sections 4.4, 5.2.1, 5.2.2.3.2, 6.3.2
		JP6852203				1	3GPP TS 38.211 V15.8.0: Section 3.3 3GPP TS 38.213 V15.8.0: Sections 4.1, 10.1, 13; Tables 13-7, 13-8 3GPP TS 38.300 V15.8.0: Sections 4.1, 5.2.4, 5.5 3GPP TS 38.331 V15.8.0: Sections 4.4, 5.2.1, 5.2.2.3.2, 6.3.2
	MEL062	JP7466612				4	3GPP TS 38.212 V18.5.0: Sections 7.3, 7.3.1.2.2, 7.3.1.2.3, 7.3.1.2.4 3GPP TS 38.214 V18.5.0: Sections 3.3, 5.1, 5.1.6, 5.1.6.2
	MEL063	US11050595				14	3GPP TS 38.211 V15.8.0: Sections 3.2, 3.3, 6.3.1.4, 6.4.1.2.2.2; Table 6.4.1.2.2.2-1 3GPP TS 38.214 V15.8.0: Sections 6.2.3.2; Table 6.2.3.2-1 3GPP TS 38.300 V15.8.0: Sections 3.1, 3.2, 4.1, 5.1, 5.3.2; Figure 5.1-1
	MEL069	US11569968			2	2	3GPP TS 36.300 V17.3.0: Sections 3.2, 4.0, 5.1.8, 5.1.9, 5.2.8, 16.1.9 3GPP TS 36.331 V17.3.0: Sections 5.5.3.1, 5.5.5.1, 6.3.5 3GPP TS 36.423 V17.3.0: Section 8.3.6.1
	MEL070	US11324001			9	9	3GPP TS 36.300 V17.3.0: Sections 4.0, 5.1.4, 10.1.2.3.4, 10.1.2.8.1 3GPP TS 36.331 V17.3.0: Sections 6.2.2, 6.3.2, 10.2.2
		US12069632				8	3GPP TS 36.300 V18.4.0: Sections 4.0, 5.1.4, 10.1.2.0 3GPP TS 36.331 V18.4.0: Sections 6.2.2, 6.3.5, 10.2.2, 10.3

Mitsubishi Electric Corporation	MEL071	US11363560			9	3GPP TS 36.300 V17.3.0: Sections 23.7, 23.7a, 23.7b 3GPP TS 36.212 V17.1.0: Sections 3.1, 3.3, 5.3.3.1.10, 5.3.3.1.11, 5.3.3.1.12, 5.3.3.1.13, 5.3.3.1.14 3GPP TS 36.231 V17.4.0: Sections 7.1.11, 8.0		
	MEL072	CNZL202110260766.3					3	3GPP TS 38.300 V18.0.0: Section 4.1 3GPP TS 38.211 V18.1.0: Sections 6.1.2, 6.4.1.4.2 3GPP TS 38.331 V18.0.0: Sections 3.2, 6.2.2, 6.3.2 3GPP TS 38.331 V18.0.0: Section 6.2.2 3GPP TS 37.340 V18.0.0: Sections 3.1, 3.2.4.1.1, 4.1.2, 7.1, 7.13 3GPP TS 37.340 V18.0.0: sections 3.1, 3.2, 4.1.1, 10.8.1
	MEL073	JP7433369					5	3GPP TS 38.331 V18.0.0: Section 6.2.2 3GPP TS 37.340 V18.0.0: Sections 3.1, 3.2.4.1.1, 4.1.2, 7.1, 7.13 3GPP TS 37.340 V18.0.0: sections 3.1, 3.2, 4.1.1, 10.8.1
NTT, Inc.	MEL074	US11997557					4	3GPP TS 37.340 V18.0.0: sections 3.1, 3.2, 4.1.1, 10.8.1
	NTT001	JP6758472					4	3GPP TS 23.228 V15.0.0: Sections 4.14, 5.4.13 3GPP TS 24.229 V15.0.0: Sections 3.1, 3.2, 4.1, 5.10.7, 6.7.1.3, T2 3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
Siemens Aktiengesellschaft	SIE001	AU2004214376	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		BRPI0407702-4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		CNZL200480004608.6	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		EP1595420 (DE, ES, FI, FR, GB, IT, NL, SE, TR)	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		IDP000025685	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		IN225756	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		JP4284324	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		KR10-1050335	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		MX266549	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		RU2335866	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		US7676041	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
		ZA200505960	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.0.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4
	SIE002	EA013147			1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V15.0.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2
		EP2052517 (DE, ES, FI, FR, GB, IE, IT, NL, PL)	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, 9.2.1 Annex A.2 3GPP TS 21.905 V13.0.0: Section 3	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V15.0.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2
		JP5054772			1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V15.0.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2
		KR10-1401605			1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V15.0.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2
		US9197615			1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V15.0.0: Sections 6, 6.1, 6.1.1, 6.2, 7, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2
	SIE003	CNZL200780037127.9			1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V15.2.0: Sections 5.4.3, 5.4.3.1
		EP2070269 (DE, FR, GB, SE)			1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V15.2.0: Sections 5.4.3, 5.4.3.1
		JP4981139			1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V15.2.0: Sections 5.4.3, 5.4.3.1
		KR10-1432792			1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V15.2.0: Sections 5.4.3, 5.4.3.1
		US8374084			1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V15.2.0: Sections 5.4.3, 5.4.3.1
	SIE004	CNZL200780005003.2			1	3GPP TS 33.246 V14.2.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1	1	3GPP TS 33.246 V15.0.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1
		EP1982494 (BG, CY, DE, FR, GB, RO)			1	3GPP TS 33.246 V14.2.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1	1	3GPP TS 33.246 V15.0.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1
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	SIE005	CNZL200780005265.9			1	3GPP TS 36.300 V9.10.0: Sections 5, 5.2, 9.1 3GPP TS 36.211 V9.1.0: Sections 4.1, 5.1.1, 6.1.1, 6.9, 6.9.1 3GPP TS 36.213 V9.3.0: Section 9.1.2	1	3GPP TS 36.300 V9.10.0: Sections 5, 5.2, 9.1 3GPP TS 36.211 V9.1.0: Sections 4.1, 5.1.1, 6.1.1, 6.9, 6.9.1 3GPP TS 36.213 V9.3.0: Section 9.1.2
		EA012923			1	3GPP TS 36.300 V9.10.0: Sections 5, 5.2, 9.1 3GPP TS 36.211 V9.1.0: Sections 4.1, 5.1.1, 6.1.1, 6.9, 6.9.1 3GPP TS 36.213 V9.3.0: Section 9.1.2	1	3GPP TS 36.300 V15.9.0: Sections 5, 5.2, 9.1 3GPP TS 36.211 V15.9.0: Sections 4.1, 5.1.1, 6.1.1, 6.9, 6.9.1 3GPP TS 36.213 V15.9.0: Section 9.1.2
		EP1985052 (DE, ES, FR, GB, IT, PL, SE)			1	3GPP TS 36.300 V9.10.0: Sections 5, 5.2, 9.1 3GPP TS 36.211 V9.1.0: Sections 4.1, 5.1.1, 6.1.1, 6.9, 6.9.1 3GPP TS 36.213 V9.3.0: Section 9.1.2	1	3GPP TS 36.300 V15.9.0: Sections 5, 5.2, 9.1 3GPP TS 36.211 V15.9.0: Sections 4.1, 5.1.1, 6.1.1, 6.9, 6.9.1 3GPP TS 36.213 V15.9.0: Section 9.1.2

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Siemens Aktiengesellschaft	SIE011	US8533471	1	3GPP TS 33.402 V15.0.0: Sections 6.2, 9.2.1; Figures 6.2-1, 9.2.1.2.1-1 3GPP TS 23.402 V15.0.0: Sections 4.2.2, 4.3.3.3, 4.6.1, 6.2.3; Figures 4.2.2-1, 6.2.3-1 3GPP TS 29.273 V15.0.0: Section 9.1.2.6; Tables 9.1.2.6.1/1, 9.1.2.6.1/2	1	3GPP TS33.402 V15.0.0: Sections 6.2, 9.2.1; Figures 6.2-1, 9.2.1.2.1-1 3GPP TS23.402 V15.0.0: Sections 4.2.2, 4.3.3.3, 4.6.1, 6.2.3; Figures 4.2.2-1, 6.2.3-1 3GPP TS29.273 V15.0.0: Section 9.1.2.6; Tables 9.1.2.6.1/1, 9.1.2.6.1/2	1	3GPP TS 33.402 V15.3.0: Sections 6.2, 9.2.1; Figures 6.2-1, 9.2.1.2.1-1 3GPP TS 23.402 V15.1.0: Sections 4.2.2, 4.3.3.3, 4.6.1, 6.2.3; Figures 4.2.2-1, 6.2.3-1 3GPP TS 29.273 V15.3.0: Section 9.1.2.6; Tables 9.1.2.6.1/1, 9.1.2.6.1/2
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		CNZL200480009912.X			1	3GPP TS 23.379 V14.7.0: Sections 1, 7.3.1, 7.4.2.3.2, 10.4.1, 10.4.2.1, 10.9.1.1, 10.9.1.2.1, 10.9.1.2.2, 10.9.1.2.3; Figure 7.3.1; Tables 10.4.2.1-1, 10.9.1.2.2-1, 10.9.1.2.3-1	1	3GPP TS 23.379 V15.6.0: Sections 1, 7.3.1, 7.4.2.3.2, 10.4.1, 10.4.2.1, 10.9.1.1, 10.9.1.2.1, 10.9.1.2.2, 10.9.1.2.3; Figure 7.3.1; Tables 10.4.2.1-1, 10.9.1.2.2-1, 10.9.1.2.3-1
		EP1597935 (DE, ES, FR, GB, IT)			1	3GPP TS 23.379 V14.7.0: Sections 1, 7.3.1, 7.4.2.3.2, 10.4.1, 10.4.2.1, 10.9.1.1, 10.9.1.2.1, 10.9.1.2.2, 10.9.1.2.3; Figure 7.3.1; Tables 10.4.2.1-1, 10.9.1.2.2-1, 10.9.1.2.3-1	1	3GPP TS 23.379 V15.6.0: Sections 1, 7.3.1, 7.4.2.3.2, 10.4.1, 10.4.2.1, 10.9.1.1, 10.9.1.2.1, 10.9.1.2.2, 10.9.1.2.3; Figure 7.3.1; Tables 10.4.2.1-1, 10.9.1.2.2-1, 10.9.1.2.3-1
		IN258504			1	3GPP TS 23.379 V14.7.0: Sections 1, 7.3.1, 7.4.2.3.2, 10.4.1, 10.4.2.1, 10.9.1.1, 10.9.1.2.1, 10.9.1.2.2, 10.9.1.2.3; Figure 7.3.1; Tables 10.4.2.1-1, 10.9.1.2.2-1, 10.9.1.2.3-1	1	3GPP TS 23.379 V15.6.0: Sections 1, 7.3.1, 7.4.2.3.2, 10.4.1, 10.4.2.1, 10.9.1.1, 10.9.1.2.1, 10.9.1.2.2, 10.9.1.2.3; Figure 7.3.1; Tables 10.4.2.1-1, 10.9.1.2.2-1, 10.9.1.2.3-1
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	SIE013*	CNZL200580025538.7	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V15.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V15.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1
		EP1771993 (DE, FR, GB)	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V15.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V15.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1
		KR10-0912972	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V15.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V15.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1
		US8305902	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V14.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V14.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1	1	3GPP TS 23.228 V15.4.0: Sections 4.0, 5.1.4, 5.2.2.3, 5.6.1; Figures 4.0, 5.1 3GPP TS 23.218 V15.0.0: Sections 3.1, 5.1A, 5.1B, 5.2.1, 6.3, 6.4.2, 6.9.1
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		CNZL201010260863.4	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4; Figures 4.1, 4.2b, 6.5; Annex D	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5	1	3GPP TS 33.246 V15.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5
		EP1680906 (AT, CH, DE, ES, FR, GB, IT, NL, SE)	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4; Figures 4.1, 4.2b, 6.5; Annex D	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5	1	3GPP TS 33.246 V15.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5
		IDP000021408	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4; Figures 4.1, 4.2b, 6.5; Annex D	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5	1	3GPP TS 33.246 V15.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5
		MX263723	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4; Figures 4.1, 4.2b, 6.5; Annex D	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5	1	3GPP TS 33.246 V15.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5
		RU2358406	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4; Figures 4.1, 4.2b, 6.5; Annex D	1	3GPP TS 33.246 V9.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5	1	3GPP TS 33.246 V15.0.0: Sections 3, 3.1, 3.2, 4.1.1, 4.1.3, 5, 6.3.1, 6.3.3.2.1, 6.4.1, 6.4.4, 6.4.5.1, 6.4.5.3, 6.5.4, D1, D3; Figures 4.1, 4.2b, 6.5
	SIE015	BRPI0407837-3	1	3GPP TS 26.233 V10.0.0: Sections 2, 10	1	3GPP TS 26.233 V10.0.0: Sections 2, 10	1	3GPP TS 26.233 V15.0.0: Sections 2, 10
		CNZL201310065093.1	9	3GPP TS 26.233 V10.0.0: Sections 2, 10	9	3GPP TS 26.233 V10.0.0: Sections 2, 10	9	3GPP TS 26.233 V15.0.0: Sections 2, 10
		EP1597894 (DE, ES, FR, GB, IT, NL, SE)	1	3GPP TS 26.233 V10.0.0: Sections 2, 10	1	3GPP TS 26.233 V10.0.0: Sections 2, 10	1	3GPP TS 26.233 V15.0.0: Sections 2, 10
		IN328562	1	3GPP TS 26.233 V10.0.0: Sections 2, 10	1	3GPP TS 26.233 V10.0.0: Sections 2, 10	1	3GPP TS 26.233 V15.0.0: Sections 2, 10
		US7970710	15	3GPP TS 26.233 V10.0.0: Sections 2, 10	15	3GPP TS 26.233 V10.0.0: Sections 2, 10	15	3GPP TS 26.233 V15.0.0: Sections 2, 10
	SIE016	US8699394	1, 14, 16	3GPP TS 23.002 V6.10.0: Sections 1, 3, 3.2, 4.4.1, 4.2, 4.2.2, 4.2.2.1, 4.2.2.2, 4.3 3GPP TS 23.246 V6.12.0: Sections 4.1, 5.2, 5.3 3GPP TS 25.331 V6.14.0: Sections 1, 8.6.9, 8.6.9.6, 8.7.1.1, 8.7.2, 8.7.2.1, 8.7.2.3, 8.7.2.4, 8.7.4.1, 8.7.4.2, 10.2.16j; Figures 8.7.2.1, 8.7.4.1 3GPP TS 25.346 V6.11.0: Sections 5.1.5, 5.2.5	16	3GPP TS 36.300 V12.0.0: Sections 3.1, 3.2, 4, 4.6.1, 15, 15.1.1, 15.1.3, 15.3.5; Figures 15-1, 15.1.1-1, 15.1.3-1 3GPP TS 36.331 V12.0.0: Sections 1, 5.8.2.1, 5.8.2.2, 5.8.4.1, 5.8.4.2, 5.8.4.3, 6.2.1, 6.2.2; Figures 5.8.2.1-1, 5.8.4.1-1	16	3GPP TS 36.300 V15.2.0: Sections 3.1, 3.2, 4, 4.6.1, 15, 15.1.1, 15.1.3, 15.3.5; Figures 15-1, 15.1.1-1, 15.1.3-1 3GPP TS 36.331 V15.3.0: Sections 1, 5.8.2.1, 5.8.2.2, 5.8.4.1, 5.8.4.2, 5.8.4.3, 6.2.1, 6.2.2; Figures 5.8.2.1-1, 5.8.4.1-1
	SIE017	US8073973			1	3GPP TS 36.233 V14.0.0: Sections 4, 4.1, 4.2.2, 5.5, 5.5.1, 5.5.4; Table 5.5.1.1; Figure 4.2.2.1	1	3GPP TS 36.233 V15.0.0: Sections 4, 4.1, 4.2.2, 5.5, 5.5.1, 5.5.4; Table 5.5.1.1; Figure 4.2.2.1
	SIE018	US8619667			1	3GPP TS 36.300 V11.1.0: Section 5.2.4 3GPP TS 36.211 V9.0.0: Sections 5.2.3, 5.3.4, 5.5.2.1.2; Table 5.2.3-1 3GPP TS 36.213 V9.1.0: Section8.1	1	3GPP TS 36.300 V15.3.0: Section 5.2.4 3GPP TS 36.211 V15.2.0: Sections 5.2.3, 5.3.4, 5.5.2.1.2; Table 5.2.3-1 3GPP TS 36.213 V15.3.0: Section8.1
	SIE019*	US7746841	1	3GPP TS 25.321 V5.5.0: Sections 4.2.3.2, 4.2.3.3, 2.2.4.3, 9.1.2, 9.1.3, 9.1.4, 9.2.1, 11.6.1, 11.6.1.3, 11.6.2, 11.6.2.2; Figures 4.2.3.3.1, 9.1.2.1; Table 9.2.1.5a	1, 17	3GPP TS 36.300 V9.36.0: Sections 1, 6.9, 9.1; Figure 6-2 3GPP TS 36.321 V9.3.0: Sections 1, 3.2, 5.4.2.1, 5.4.2.2, 6.1.2, 6.2.1; Figutrd 6.1.2-1, 6.1.2-3 3GPP TS 36.300 V12.0.0: Sections 4, 4.3, 4.3.1, 5.3, 6, 6.1, 6.1.1, 6.1.2, 6.1.2.1, 6.1.2.2, 6.1.3.2; Figure 4.3.1-1 3GPP TS 36.321 V12.0.0: Sections 4.2, 4.2.1, 5.11, 5.12, 6.1.2, 6.2, 6.2.1; Figures 6.1.2-1, 6.1.2-3 3GPP TS 36.331 V12.0.0: Section 5.8.4, 5.8.4.1, 6.3.7; Figures 5.8.4.1-1, 6.1.3.2-1	1, 17	3GPP TS 36.300 V15.6.0: Sections 1, 6.9, 9.1; Figure 6-2 3GPP TS 36.321 V15.6.0: Sections 1, 3.2, 5.4.2.1, 5.4.2.2, 6.1.2, 6.2.1; Figutrd 6.1.2-1, 6.1.2-3 3GPP TS 36.300 V15.6.0: Sections 4, 4.3, 4.3.1, 5.3, 6, 6.1, 6.1.1, 6.1.2, 6.1.2.1, 6.1.2.2, 6.1.3.2; Figure 4.3.1-1 3GPP TS 36.321 V15.6.0: Sections 4.2, 4.2.1, 5.11, 5.12, 6.1.2, 6.2, 6.2.1; Figures 6.1.2-1, 6.1.2-3 3GPP TS 36.331 V15.6.0: Section 5.8.4, 5.8.4.1, 6.3.7; Figures 5.8.4.1-1, 6.1.3.2-1
	SIE020	US7729349			10	3GPP TS 36.300 V12.0.0: Sections 4, 4.3, 4.3.1, 5.3, 6, 6.1, 6.1.1, 6.1.2, 6.1.2.1, 6.1.2.2, 6.1.3.2; Figure 4.3.1-1 3GPP TS 36.321 V12.0.0: Sections 4.2, 4.2.1, 5.11, 5.12, 6.1.2, 6.2, 6.2.1; Figures 6.1.2-1, 6.1.2-3 3GPP TS 36.331 V12.0.0: Section 5.8.4, 5.8.4.1, 6.3.7; Figures 5.8.4.1-1, 6.1.3.2-1	10	3GPP TS 36.300 V15.6.0: Sections 4, 4.3, 4.3.1, 5.3, 6, 6.1, 6.1.1, 6.1.2, 6.1.2.1, 6.1.2.2, 6.1.3.2; Figure 4.3.1-1 3GPP TS 36.321 V15.6.0: Sections 4.2, 4.2.1, 5.11, 5.12, 6.1.2, 6.2, 6.2.1; Figures 6.1.2-1, 6.1.2-3 3GPP TS 36.331 V15.6.0: Section 5.8.4, 5.8.4.1, 6.3.7; Figures 5.8.4.1-1, 6.1.3.2-1

Siemens Aktiengesellschaft	SIE021*	US7894802			16	3GPP TS 36.306 V9.0.0: Section 4.1; Tables 4.1-1, 4.1-2 3GPP TS 36.331 V9.0.0: Sections 1, 3.2, 4.4, 5.6.3.1, 6.2.2, 6.3.6; Figure 5.6.3.1-1	16	3GPP TS 36.306 V15.5.0: Section 4.1; Tables 4.1-1, 4.1-2 3GPP TS 36.331 V15.6.0: Sections 1, 3.2, 4.4, 5.6.3.1, 6.2.2, 6.3.6; Figure 5.6.3.1-1
	SIE022*	US7286554			10	3GPP TS 36.300 V10.3.0: Sections 3.2, 4, 15.1.1; Figure 15.1.1-1 3GPP TS 36.331 V10.1.0: Sections 1, 6.2.2	10	3GPP TS 36.300 V15.6.0: Sections 3.2, 4, 15.1.1; Figure 15.1.1-1 3GPP TS 36.331 V15.6.0: Sections 1, 6.2.2
	SIE023*	US7499414			1	3GPP TS 26.346 V10.0.0: Sections 4.4.1, 4.4.3, 5.2.1, 5.3.1, 5.3.2, 5.3.5.1; Figures 4, 6, 7	1	3GPP TS 26.346 V15.1.0: Sections 4.4.1, 4.4.3, 5.2.1, 5.3.1, 5.3.2, 5.3.5.1; Figures 4, 6, 7
	SIE024*	US7689662			1	3GPP TS 33.220 V14.0.0: Sections 1, 4.1, 4.2.1, 4.5.2, 4.5.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.4.0: Sections 1, 4.1, 4.2.1, 4.5.2, 4.5.3; Figures 4.1, 4.3, 4.4
	SIE025*	US7315537			1	3GPP TS 23.379 V14.0.0: Sections 4, 5.1, 7.4.2.3.2, 7.4.2.3.3, 7.4.2.3.4, 10.2, 10.9.1.2.1, 10.9.1.2.2; Figure 10.2-1; Table 10.9.1.2.2-1	1	3GPP TS 23.379 V15.6.0: Sections 4, 5.1, 7.4.2.3.2, 7.4.2.3.3, 7.4.2.3.4, 10.2, 10.9.1.2.1, 10.9.1.2.2; Figure 10.2-1; Table 10.9.1.2.2-1
Sisvel International S.A.	LNG001	CNZL201410090475.4			1	3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4, 4.3.4.28		
		EP3537814 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4, 4.3.4.28		
		KR10-2251839			1	3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4, 4.3.4.28		
		US10498520			1, 11	3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4.28 3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8		
		US9973324			1, 11	3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Section 4.3.4		
	LNG002	CNZL201410852934.8			1, 5, 9, 13	3GPP TS 36.212 V13.0.0: Sections 1, 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4A, 5.3.3.1.5, 5.3.3.1.5A, 5.3.3.1.5B, 5.3.3.1.5C, 5.3.3.1.5D, 5.3.3.1.8 3GPP TS 36.331 V13.1.0: Sections 1, 4.1, 5.3.5.1, 6.2.2, 6.3.2, 6.3.4, 6.4; Figures 5.3.5.1-1, 5.3.5.1-2 3GPP TS 36.213 V13.1.0: Sections 7.1, 8.0		
		EP3240345 (DE, ES, FR, GB, IT, NL, PL)			1	3GPP TS 36.212 V13.0.0: Sections 1, 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4A, 5.3.3.1.5, 5.3.3.1.5A, 5.3.3.1.5B, 5.3.3.1.5C, 5.3.3.1.5D, 5.3.3.1.8 3GPP TS 36.331 V13.1.0: Sections 1, 4.1, 5.3.5.1, 6.2, 6.2.2, 6.3.2, 6.3.4, 6.4, 8.0; Figures 5.3.5.1-1, 5.3.5.1-2 3GPP TS 36.213 V13.1.0: Sections 7.1, 8.0	1	3GPP TS 38.212 V15.8.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.9.0: Section 10.1 3GPP TS 38.300 V15.9.0: Sections 5.4.1, 7.1, 7.7 3GPP TS 38.331 V15.9.0: Sections 3.1, 3.2, 5.1.2, 5.1.3, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.5.5.9, 6.2, 6.3.2, 6.4; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2
		KR10-2483737			1	3GPP TS 23.003 VR 17.0: Section 7.1 3GPP TS 36.212 V13.0.0: Sections 1, 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4A, 5.3.3.1.5, 5.3.3.1.5A, 5.3.3.1.5B, 5.3.3.1.5C, 5.3.3.1.5D, 5.3.3.1.8 3GPP TS 36.331 V13.1.0: Sections 1, 4.1, 5.3.5.1, 6.2, 6.2.2, 6.3.2, 6.3.4, 6.4, 8.0; Figures 5.3.5.1-1, 5.3.5.1-2 3GPP TS 36.213 V13.1.0: Sections 7.1, 8.0 3GPP TS 23.003 VR 17.0: Section 7.1	1	3GPP TS 38.212 V15.8.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.9.0: Section 10.1 3GPP TS 38.300 V15.9.0: Sections 5.4.1, 7.1, 7.7 3GPP TS 38.331 V15.9.0: Sections 3.1, 3.2, 5.1.2, 5.1.3, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.5.5.9, 6.2, 6.3.2, 6.4; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2
		US10412748			1	3GPP TS 36.212 V13.0.0: Sections 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3 3GPP TS 36.331 V13.1.0: Sections 6.2, 6.2.2, 6.3.2, 6.3.4, 6.4, 8.0 3GPP TS 23.003 VR 17.0: Section 7.1	1.9	3GPP TS 38.212 V15.8.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.9.0: Section 10.1 3GPP TS 38.300 V15.9.0: Sections 5.4.1, 7.1, 7.7 3GPP TS 38.331 V15.9.0: Sections 3.1, 3.2, 5.1.2, 5.1.3, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.5.5.9, 6.2, 6.3.2, 6.4; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2
	LNG003	US9749969			1, 9	3GPP TS 36.331 V13.1.0: Sections 3.1, 3.2, 4.2.2, 5.2.1.1, 5.2.2.1, 5.3.3.1, 6.2.2, 6.3.1, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1 3GPP TS 36.213 V12.5.0: Sections 5.1.2, 5.1.2.1, 5.1.4, 5.1.4.1, 5.1.4.2 3GPP TS 36.101 V12.5.0: Sections 6.2.5		
	LNG004	CNZL201510040667.9			1, 8	3GPP TS 36.321 V14.3.0: Sections 5.4.4 3GPP TS 36.331 V14.3.0: Sections 3.1, 6.3.2 3GPP TS 36.213 V14.7.0: Sections 10, 10.1, 10.1.1, 10.1.5		

Sisvel International S.A.	LNG004	EP3253144 (DE, ES, FR, GB, IT, NL, PL)			1, 8	3GPP TS 36.321 V14.3.0: Sections 3.1, 3.2, 5.4, 5.4.4 3GPP TS 36.331 V14.3.0: Sections 3.1, 6.3, 6.3.2 3GPP TS 36.213 V14.7.0: Sections 10, 10.1, 10.1.5	1, 8	3GPP TS 38.101-1 V16.9.0: Section 6.1 3GPP TS 38.202 V16.2.0: Sections 6, 6.1; Tables 6.1-1, 6.1-2 3GPP TS 38.211 V16.7.0: Sections 4.1, 4.3.1, 4.3.2, 4.4.2, 4.4.3, 4.4.4.1, 4.4.5, 4.5, 6.1.1, 6.2, 6.3.2.1; Table 6.3.2.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 7.2, 9, 9.2, 9.2.1, 9.2.2, 9.2.4, 9.2.5, 9.2.5.1, 9.2.5.2; Tables 9.2.5-1, 9.2.5-2, 9.2.5.2-1 3GPP TS 38.321 V16.6.0: Section 5.4.4 3GPP TS 38.331 V16.6.0: Sections 3.1, 3.2, 4.2.1, 5.1.2, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.13.1, 6.2, 6.3.2; Figures 4.2.1-1, 4.2.1-2, 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2, 5.3.13.1-1
		US10362566			1	3GPP TS 36.321 V14.3.0: Sections 3.1, 3.2, 5.4, 5.4.4 3GPP TS 36.331 V14.3.0: Sections 3.1, 6.3, 6.3.2 3GPP TS 36.213 V14.7.0: Sections 10, 10.1, 10.1.5	1, 7	3GPP TS 38.101-1 V16.9.0: Section 6.1 3GPP TS 38.202 V16.2.0: Sections 6, 6.1; Tables 6.1-1, 6.1-2 3GPP TS 38.211 V16.7.0: Sections 4.1, 4.3.1, 4.3.2, 4.4.2, 4.4.3, 4.4.4.1, 4.4.5, 4.5, 6.1.1, 6.2, 6.3.2.1; Table 6.3.2.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 7.2, 9, 9.2, 9.2.1, 9.2.2, 9.2.4, 9.2.5, 9.2.5.1, 9.2.5.2; Tables 9.2.5-1, 9.2.5-2, 9.2.5.2-1 3GPP TS 38.321 V16.6.0: Section 5.4.4 3GPP TS 38.331 V16.6.0: Sections 3.1, 3.2, 4.2.1, 5.1.2, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.13.1, 6.2, 6.3.2; Figures 4.2.1-1, 4.2.1-2, 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2, 5.3.13.1-1
	LNG005	US10064176			1, 6, 9	3GPP TS 36.331 V12.5.0: Sections 5.1.1, 5.10.1, 5.10.1a, 5.10.2.1, 5.10.2.2, 5.10.7.1, 5.10.7.4, 6.3.1, 6.3.2, 6.5.1, 6.5.2; Figures 5.10.2-1, 5.10.7.1-1, 5.10.7.1-2; 5.10.7.1-3 3GPP TS 36.221 V12.5.0: Sections 4, 4.2; Table 4.2-2 3GPP TS 23.303 V12.4.0: Sections 1, 4.4.1.1, 4.4.2, 4.5.1.1.2.3.1, 4.5.6		
	LNG006	CNZL201510698366.5			1, 17	3GPP TS 36.211 V14.3.0: Sections 4.1, 4.2, 5.2.3, 6.2.3, 10.1.2.1, 10.1.2.3, 10.2.2.1, 10.2.5.1, 10.2.7, 10.2.7.1, 10.2.7.1.2, 10.2.7.2, 10.2.7.2.1, 10.2.7.2.2;; Tables 5.2.3-1, 6.2.3-1, 10.1.2.1-1, 10.2.5.1-1, 10.2.7.1.1-1 3GPP TS 36.213 V14.3.0: Sections 16.4, 16.4.1, 16.4.1.3, 16.5.1, 16.5.1.1, 16.6; Table 16.4.1.3-1, 16.4.1.3-2, 16.5.1.1-2, 16.5.1.1-3, 16.6-1 3GPP TS 36.331 V14.3.0: Sections 3.1, 5.2.1.1, 5.2.1.2a, 6.7.2, 6.7.3.2; Figure 5.2.2.1-1 3GPP TS 36.212 V14.3.0: Sections 6.1, 6.4.3, 6.4.3.1, 6.4.3.2; Table 6.1-3		
		US10826665			1	3GPP TS 36.211 V14.3.0: Sections 4.1, 4.2, 5.2.3, 6.2.3, 10.1.2.1, 10.1.2.3, 10.2.2.1, 10.2.5.1, 10.2.7, 10.2.7.1, 10.2.7.1.2, 10.2.7.2, 10.2.7.2.1, 10.2.7.2.2;; Tables 5.2.3-1, 6.2.3-1, 10.1.2.1-1, 10.2.5.1-1, 10.2.7.1.1-1 3GPP TS 36.213 V14.3.0: Sections 16.4, 16.4.1, 16.4.1.3, 16.5.1, 16.5.1.1, 16.6; Table 16.4.1.3-1, 16.4.1.3-2, 16.5.1.1-2, 16.5.1.1-3, 16.6-1 3GPP TS 36.331 V14.3.0: Sections 3.1, 5.2.1.1, 5.2.1.2a, 6.7.2, 6.7.3.2; Figure 5.2.2.1-1 3GPP TS 36.212 V14.3.0: Sections 6.1, 6.4.3, 6.4.3.1, 6.4.3.2; Table 6.1-3		
	LNG007	CNZL201610121604.0			1, 17	3GPP TS 36.213 V15.3.0: Sections 7.1, 7.3, 7.3.1, 10.1, 10.1.1, 10.1.2.1, 10.1.2.2.2, 10.1.2.2.3; Table 10.1-1 3GPP TS 36.211 V15.1.0: Sections 4.1; Figure 4.1-1; Table 4.1-1 3GPP TS 36.212 V15.2.1: Sections 5.3.3.1.3, 5.3.3.1.17, 5.3.3.1.18, 5.3.3.1.19, 5.3.3.1.20, 5.3.3.1.21, 5.3.3.1.22, 5.3.3.1.23; Table 5.3.3.1.17-1 3GPP TS 36.331 V15.3.0: Section 6.3.2 3GPP TS 36.213 V15.3.0: Sections 7.1, 7.3, 7.3.1, 10.1, 10.1.2.1, 10.1.2.2.2, 10.1.2.2.3; Table 10.1-1 3GPP TS 36.211 V15.1.0: Sections 4.1; Figure 4.1-1; Table 4.1-1 3GPP TS 36.212 V15.2.1: Sections 5.3.3.1.3, 5.3.3.1.17, 5.3.3.1.18, 5.3.3.1.19, 5.3.3.1.20, 5.3.3.1.21, 5.3.3.1.22, 5.3.3.1.23; Table 5.3.3.1.17-1 3GPP TS 36.331 V15.3.0: Section 6.3.2		
		US10484143			1	3GPP TS 36.213 V15.3.0: Sections 7.1, 7.3, 7.3.1, 10.1, 10.1.2.1, 10.1.2.2.2, 10.1.2.2.3; Table 10.1-1 3GPP TS 36.211 V15.1.0: Sections 4.1; Figure 4.1-1; Table 4.1-1 3GPP TS 36.212 V15.2.1: Sections 5.3.3.1.3, 5.3.3.1.17, 5.3.3.1.18, 5.3.3.1.19, 5.3.3.1.20, 5.3.3.1.21, 5.3.3.1.22, 5.3.3.1.23; Table 5.3.3.1.17-1 3GPP TS 36.331 V15.3.0: Section 6.3.2		
	LNG008	US9980306			1, 13	3GPP TS 36.331 V12.5.0: Sections 1, 4, 4.1, 4.2, 5.10.1, 5.10.7.1, 5.10.7.2, 5.10.7.3, 5.10.7.4, 5.10.7.5, 5.10.9.1, 6.3.8, 6.5.2; Figures 4.1-1, 4.2-1, 5.10.7.1-1, 5.10.7.1-2, 5.10.7.1-3		
	LNG015	CNZL201410697509.6			1, 4, 6, 10, 12	3GPP TS 36.211 V12.5.0: Sections 3.1, 5.3.1, 7.2, 9, 9.1, 9.1.1, 9.2, 9.2.4, 9.3, 9.3.1, 9.4, 9.4.1, 9.8 3GPP TS 36.212 V12.4.0: Sections 5, 5.2.2.6, 5.4, 5.4.3, 5.4.3.1, 5.4.3.1.1		
		KR10-2302025			1	3GPP TS 36.211 V12.5.0: Sections 3.1, 5.3.1, 7.2, 9, 9.1, 9.1.1, 9.2, 9.2.4, 9.3, 9.3.1, 9.4, 9.4.1, 9.8 3GPP TS 36.212 V12.4.0: Sections 5, 5.2.2.6, 5.4, 5.4.3, 5.4.3.1, 5.4.3.1.1		
	LNG016	CNZL201711079561.5			1	3GPP TS 36.211 V15.3.0: Sections 5.2.3A, 5.3.2, 5.6A, 5.6A.2; Table 5.2.3A-1 3GPP TS 36.212 V15.3.0: Section 5.3.3.1.10 3GPP TS 36.213 V15.3.0: Sections 8.1.6		

Sisvel International S.A.	LNG016	EP3709591 (DE, FR, GB, NL)			1	3GPP TS 36.211 V15.3.0: Sections 5.2.3A, 5.3.2, 5.6A, 5.6A.2; Table 5.2.3A-1 3GPP TS 36.212 V15.3.0: Section 5.3.3.1.10 3GPP TS 36.213 V15.3.0: Sections 8.1.6		
		US11153140			1	3GPP TS 36.211 V15.3.0: Sections 5.2.3A, 5.3.2, 5.6A, 5.6A.2; Table 5.2.3A-1 3GPP TS 36.212 V15.3.0: Section 5.3.3.1.10 3GPP TS 36.213 V15.3.0: Sections 8.1.6		
	LNG020	CNZL201410255478.9			9, 18	3GPP TS 36.212 V13.2.0: Sections 1, 3.3, 5.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4, 5.3.3.1.4A 3GPP TS 36.213 V13.2.0: Sections 1, 3.2, 3A, 4.1, 7.1, 13A, 15.1.1		
	LNG021	CNZL201410318536.8			6, 16	3GPP TS 36.212 V14.3.0: Sections 1, 3.3, 4.2, 5.3.3.1.1A 3GPP TS 36.201 V14.1.0: Sections 1, 3.3, 4.2.2		
	LNG023	US10506624			1	3GPP TS 36.211 V14.4.0: Sections 6.2.3, 10.2.2, 10.2.2.1, 10.2.3, 10.2.3.4; Table 6.2.3-1 3GPP TS 36.212 V14.4.0: Sections 6.1, 6.4.3.2 3GPP TS 36.213 V14.4.0: Sections 16.4, 16.4.1		
	NKO002*	CA2318480			27	3GPP TS 24.301 V8.10.0: Sections 4.2, 6.1.1, 6.4.1.1, 6.4.3.1, 6.4.3.2, 6.4.3.3, 6.4.3.4, 6.5.3.1, 8.3.18.1, 9.3.2, 9.9.4.3; Figure 6.4.3.2.1; Tables 8.3.18.1		
		EP1051870 (DE, ES, FR, GB, IT, NL) JP4002731			18	3GPP TS 24.301 V8.10.0: Sections 6.4.3.1, 6.4.3.2, 6.4.3.4, 8.3.17.1, 8.3.18.1, 8.3.18.2, 9.3.2, 9.9.4.3, 9.9.4.4; Figure 6.4.3.2.1; Tables 8.3.17.1, 8.3.18.1		
		US6826406			1	3GPP TS 23.401 V8.18.0: Sections 4.2.1 3GPP TS 24.301 V8.10.0: Sections 6.4.2.2, 6.4.2.3, 6.4.3.2, 6.4.3.3, 8.3.18.1, 9.3.2, 9.9.4.3		
		US7599384			17	3GPP TS 24.301 V8.10.0: Sections 4.2, 6.1.1, 6.4.1.1, 6.4.3.1, 6.4.3.2, 6.4.3.3, 6.4.3.4, 6.5.3.1, 8.3.18.1, 9.3.2, 9.9.4.3; Figure 6.4.3.2.1; Tables 8.3.18.1		
	NKO003*	EP0852885 (AT, BE, DE, ES, FR, GB, GR, IE, IT, NL)			12	3GPP TS 23.401 V8.18.0: Sections 4.2.1 3GPP TS 24.301 V8.10.0: Sections 6.4.2.2, 6.4.2.3, 6.4.3.2, 6.4.3.3, 8.3.18.1, 9.3.2, 9.9.4.3		
	NKO005*	CNZL99811826.5			14	3GPP TS 23.003 V8.17.0: Sections 2.1, 2.8, 2.8.1 3GPP TS 23.401 V8.18.0: Section 5.3.7; Figure 5.3.7-1		
		EP1119997 (AT, BE, DE, ES, FR, GB, IT, NL, PT, SE) JP4226786			15	3GPP TS 23.003 V8.17.0: Sections 2.1, 2.8, 2.8.1 3GPP TS 23.401 V8.18.0: Section 5.3.7; Figure 5.3.7-1		
					1	3GPP TS 23.003 V8.17.0: Sections 2.1, 2.8.1 3GPP TS 23.401 V8.18.0: Sections 4.2.1, 5.2.2, 5.3.2.1		
	NKO009*	BRPI9915081-6	1			3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3 A, 9.3.1, 9.3.1 A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38		
		CNZL200510106324.4	1			3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3 A, 9.3.1, 9.3.1 A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38		
		CNZL99813850.9	1			3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3 A, 9.3.1, 9.3.1 A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38		
		JP3519688	1			3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3 A, 9.3.1, 9.3.1 A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38		
		US7085294	21			3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3 A, 9.3.1, 9.3.1 A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38		
	NKO011*	EP2139272 (AT, BE, CH, DE, EK, ES, FI, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE)			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1; Table 5.3.2.1-1		
		HK1132411			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1; Table 5.3.2.1-1		
		US7580714			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1, 5.3.5.1; Figures 5.3.2.1-1, 5.3.5.1-1		

Sisvel International S.A.	NK0011*	US79797070			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1, 5.3.5.1; Figures 5.3.2.1-1, 5.3.5.1-1		
		US9008615			1	3GPP TS 24.301 V8.10.0: Sections 5.5.1.2.2, 5.5.1.2.4, 6.4.1.1, 8.2.4.1 3GPP TS 23.401 V8.18.0: Section 5.3.2.1 3GPP TS 36.331 V8.21.0: Section 5.3.5		
	NK0012*	BRPI0107654-0	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		CA2395586	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		CNZL01803214.1	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		CNZL200510072602.9	23	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		EP1249151 (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, NL, PT, SE, TR)	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		HK1087293	23	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		IN221857	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		KR10-0554710	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
		RU2233047	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2				
	NK0013	EP1470684 (DE, FR, GB, IT)	37	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7				
		JP4586056	6	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7				
		KR10-0704036	37	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7				
		US8571548	26	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7				
	NK0019*	USRE40825	46	3GPP TS 25.214 V3.12.0: Sections 7, 7.1, 7.3; Figure 3 3GPP TS 25.331 V5.13.0: Sections 8.6, 8.6.6, 8.6.6.24, 10.3.6, 10.3.6.21, 10.3.6.86 3GPP TS 25.211 V5.3.0: Sections 5.2.1; Figure 2				
	NK0026*	USRE42692	28	3GPP TS 25.211 V5.8.0: Sections 5.3.3.12, 5.3.3.13 3GPP TS 25.212 V5.8.0: Section 4.6.2.3 3GPP TS 25.213 V5.8.0: Section 5.2.1				
	NK0028*	CA2395756	18	3GPP TS 25.215 V3.6.0: Sections 6.1.1.1, 6.1.1.2; Figure 1 3GPP TS 25.212 V3.6.0: Sections 4.2, 4.4, 4.4.1; Figures 1, 11, 12 3GPP TS 25.331 V3.6.0: Sections 10.3.6.33, 14.2, 14.3				
		CNZL01803595.7	17	3GPP TS 25.215 V3.6.0: Sections 6.1.1.1, 6.1.1.2; Figure 1 3GPP TS 25.212 V3.6.0: Sections 4.2, 4.4, 4.4.1; Figures 1, 11, 12 3GPP TS 25.331 V3.6.0: Sections 10.3.6.33, 14.2, 14.3				
		US7020108	16	3GPP TS 25.215 V3.6.0: Sections 6.1.1.1, 6.1.1.2; Figure 1 3GPP TS 25.212 V3.6.0: Sections 4.2, 4.4, 4.4.1; Figures 1, 11, 12 3GPP TS 25.331 V3.6.0: Sections 10.3.6.33, 14.2, 14.3				
	NK0030	BRPI0108480-1	16	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1				
		CA2401037	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1				
		CNZL01805488.9	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1				
		EP1264504 (DE, ES, FR, GB, IT, NL)	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1				
		JP3961774	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1				
		KR10-0501836	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1				
		US7751803	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1				

Sisvel International S.A.	NKO034*	EP1540864 (DE, FR, GB)	15	3GPP TS 25.211 V6.4.0: Sections 3.2, 5.2.1.2; Figure 2A 3GPP TS 25.214 V6.4.0: Sections 1, 3.2, 6A.1.1, 3GPP TS25.212 V6.3.0: Sections 4.7.1, 4.7.1.1; Table 13A			
		US7116651	27	3GPP TS 25.211 V6.4.0: Sections 3.2, 5.2.1.2; Figure 2A 3GPP TS 25.214 V6.4.0: Sections 1, 3.2, 6A.1.1, 3GPP TS25.212 V6.3.0: Sections 4.7.1, 4.7.1.1; Table 13A			
	NKO035	EP1807956 (AT, BE, CH, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, NL, PL, PT, RO, SE, SK, TR) US7283499			1	3GPP TS 36.201 V8.3.0: Sections 4.2.1 3GPP TS 36.212 V8.8.0: 5.2, 5.2.1, 5.2.2, 5.2.2.6 3GPP TS 36.213 V8.8.0: 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4; Tables 7.2.1-1, 7.2.2-1, 7.2.3-0, 7.2.3-1	
					1	3GPP TS 36.201 V8.3.0: Sections 4.1.2, 4.2.1 3GPP TS 36.212 V8.8.0: Sections 4.2, 5, 5.3.2; Figure 5.3.2-1 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4; Table: 7.2.3-1	
	NKO036	AU2005283836	6	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		CNZL201610989568.X	10	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		EP1794950 (DE, FR, GB, IT, RO)	11	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		IN264926	11	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		JP4514795	11	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		KR10-0915853	33	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		US8787158	1	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		US9019829	13	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
	NKO039	AU2004315850	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		BRPI0418494-7	14	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		CA2554079	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		CNZL200480040893.7	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		IN263794	1	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		JP4468960	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		KR10-0787532	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			

Sisvel International S.A.	NK0039	RU2337490	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2				
		RU2407238	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2				
		US7133690	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2				
	NK0041	BRPI0512333-0	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		CA2571423	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		CNZL200580026115.7	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		EP1759555 (DE, ES, FR, GB, IT, NL)	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		IN308766	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		JP4827839	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		KR10-1013227	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		KR10-1077598	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		RU2408170	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		TWI352551	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		US8155060	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		US8249012	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
	NK0044	CNZL200680038765.8			16	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	16	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		EP1925142 (AT, BE, CH, CZ, DE, ES, FR, GB, IE, IT, LU, NL, PL, PT, RO, SE, TR)			14	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	14	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		IN318570			14	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	14	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		JP4875084					14	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		KR10-0950843			16	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	16	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		US7894443			16	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	16	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4

Sisvel International S.A.	SNY001*	US7171230			1	3GPP TS 36.213 V8.7.0: Sections 5, 5.1, 5.1.1, 5.1.1.1, 6.1 3GPP TS 36.331 V8.5.0: Sections 5.5.3.2, 6.3.2		
	SNY002	KR10-1392025			1	3GPP TS 36.300 V12.4.0: Sections 5.1, 5.1.1, 5.1.4, 5.1.5, 5.1.8 3GPP TS 36.211 V8.5.0: Sections 3.1, 6.10, 6.10.1, 6.10.1.1, 6.10.1.2, 7.2; Figure 6.10.1.2-1		
		US8811466			7	3GPP TS 36.300 V12.4.0: Sections 5.1, 5.1.1, 5.1.4, 5.1.5, 5.1.8 3GPP TS 36.211 V8.5.0: Sections 3.1, 6.10, 6.10.1, 6.10.1.1, 6.10.1.2, 7.2; Figure 6.10.1.2-1		
		US9432103			1	3GPP TS 36.300 V12.4.0: Sections 5.1, 5.1.1, 5.1.4, 5.1.5, 5.1.8 3GPP TS 36.211 V8.5.0: Sections 3.1, 6.10, 6.10.1, 6.10.1.1, 6.10.1.2, 7.2; Figure 6.10.1.2-1		
Sisvel S.p.A.	TCH001	EP2315383 (AT, BE, CH, CZ, DE, DK, ES, FI, FR, GB, HU, IE, IT, NL, PL, PT, RO, SE, TR) JP4968858					1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
							1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		KR10-0912784					1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		MX287630					1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		RU2392752					1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		US7869396					1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		US8165596					1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		US8369865			1	3GPP TS 36.322 V8.5.0: Sections 4.2.1, 4.2.1.3.1, 4.2.1.3.3, 5.1.3.1.1, 5.1.3.2.3, 5.2.1, 5.2.3, 6.1.2, 6.2.1.6, 6.2.2.14, 7.1, 7.3; Figure 6.2.1.6-1		
	TCH002	CNZL201310036114.7					1	3GPP TS 38.213 V16.2.0: Sections 1, 3, 10.2; Table 10.2-2 3GPP TS 38.321 V16.1.0: Sections 3.1, 3.2, 5.3.1, 5.8.1
		JP5238067			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2	1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2
		JP5426001					1	3GPP TS 38.213 V16.2.0: Sections 1, 3, 10.2; Table 10.2-2 3GPP TS 38.321 V16.1.0: Sections 3.1, 3.2, 5.3.1, 5.8.1
		JP6002118			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2		
		US8411633					1	3GPP TS 38.213 V16.2.0: Sections 1, 3, 10.2; Table 10.2-2 3GPP TS 38.321 V16.1.0: Sections 3.1, 3.2, 5.3.1, 5.8.1
		US8971279			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2		
		US9369254			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2		
	TCH003	EP2073588 (DE, GB, IT)					1	3GPP TS 38.300 V16.7.0: Sections 4, 4.4 and 4.4.1 3GPP TS 38.323 V16.5.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.4 3GPP TS 38.322 V16.2.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.1.1, 4.2.1.1.1, 4.2.1.1.2, 4.2.1.1.3, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2, 4.2.1.2.3, 4.2.1.3, 4.2.1.3.1, 4.2.1.3.2, 4.2.1.3.3, 4.4
		US8260287	1		3GPP TS25.323 V8.5.0: Sections 4.2; Figure 1 3GPP TS25.322 V8.9.0: Sections 4.2.1, 6			

Sisvel S.p.A.	TCH003	US9072006				13	3GPP TS 38.300 V16.7.0: Sections 4, 4.4 and 4.4.1 3GPP TS 38.323 V16.5.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.4 3GPP TS 38.322 V16.2.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.1.1, 4.2.1.1.2, 4.2.1.1.3, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2, 4.2.1.2.3, 4.2.1.3, 4.2.1.3.1, 4.2.1.3.2, 4.2.1.3.3, 4.4
SK Telecom Co., Ltd.	SKT002*	KR10-0501031			1,8	3GPP TS 36.113 V8.14.0: Sections 6.2.2.1.1 3GPP TS 36.213 V8.8.0: Sections 5.1.1.1, 6.1 3GPP TS 36.321 V8.9.0: Sections 5.1.1, 5.1.2, 5.1.3, 5.1.4 3GPP TS 36.331 V8.14.0: Sections 5.2.1.1, 6.3.1, 6.3.2	
	SKT003	BRPI0706360-1			1	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1	
		CNZL200780006495.7			11	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1	
		EP2057811 (DE, ES, FR, GB, NL, SE, TR)			13	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1	
		IN263473			8	3GPP TS 36.101 V10.3.0: Sections 7.1, C.1, C.2; Table C.2-1 3GPP TS 36.211 V10.1.0: Section 3.1, 6.2.3, 6.11, 6.11.2.1, 6.11.2.2 3GPP TS 36.213 V10.1.0: Section 4.1	
		KR10-0874485			1	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1	
		US8125976			13	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1	
	SKT004	CNZL201480052265.4			1	3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6, and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1 3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3	1 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		CNZL201910925953.1			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		KR10-2101517			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		KR10-2101577			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		KR10-2101578			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		US10028328			1, 9	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1, 9 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		US10397975			1	3GPP TS 36.300 V12.4.0 Sections 6.5, 7.6, 11.2; Fig. 6.5-1 3GPP TS 36.321 V12.4.0 Sections 6.1.3.8, Fig. 6.1.3.8-1 3GPP TS 36.133 V12.4.0 Sections 7.7.2 and 7.7.3	1 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		US9439233			1, 9	3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1 3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3	1, 9 3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1

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		KR10-2058816			1	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		KR10-2058817			1	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		US10348385			1	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		US9510332			1, 8	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		US9800313			1, 9	3GPP TS 36.211 V12.9.0: Section 4 3GPP TS36.213 V12.8.0: Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C 3GPP TS36.300 V12.7.0: Sections 5.3.1.1, 5.5 and 7.5 3GPP TS36.331 V12.7.0: Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
	SKT006	KR10-2120497			1	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
		KR10-2173193			1	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
		US10122514			19	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
		US10355845			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.3, 7.3.2.1, 7.3.2.2, 10.1.1, 10.1.3A 3GPP TS 36.300 V12.7.0: Sections 5.3, 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0: Sections 3.1, 5.3.5, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b		
		US9853795			19	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1, 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
	SKT007	CNZL201480054683.7			1	3GPP TS36.213 V12.7.0: Sections 8.0, 8.3, and 9.1.2 3GPP TS36.300 V12.7.0: Section 5.5 3GPP TS36.321 V12.7.0: Section 5.4.1 3GPP TS36.331 V12.7.0: Sections 5.3.5.3, 5.3.5.4, 5.3.10.3b, and 6.3.2		

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		KR10-2118750			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		KR10-2251123			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		KR10-2314101			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		US10389492			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		US10615926			1	3GPP TS 36.213 V12.7.0 Sections 8.0, 8.3, 9.1.2, 3GPP TS 36.300 V12.7.0 Section 5.5, 3GPP TS 36.321 V12.7.0 Section 5.4.1, 3GPP TS 36.331 V12.7.0 Sections 5.3.5.3, 5.3.5.4, 5.3.10.3b and 6.3.2.		
		US9768918			1	3GPP TS 36.213 V12.7.0 Sections 8.0, 8.3 3GPP TS 36.300 V12.7.0 Section 5.5 3GPP TS 36.321 V12.7.0 Section 5.4.1 3GPP TS 36.331 V12.7.0 Sections 5.3.5.3, 5.3.5.4, 5.3.10.3b and 6.3.2		
	SKT008	CNZL201580070137.7			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		CNZL202110785960.3			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		EP3216139 (DE, ES, FR, GB, IT)			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.2, 9.2.4, 9.3.6, 9.8, Table 9.8-1, 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3		
		EP3614785 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		EP3793321 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		KR10-2078424			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		KR10-2238523			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		KR10-2255690			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		US10334644			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		

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		US10986681			1	3GPP TS 36.211 V12.8.0: Sections 9, 9.1, 9.1.2, 9.2, 9.2.4, 9.3, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8 3GPP TS 36.213 V12.8.0: Sections 14, 14.1, 14.1.3, 14.3, 14.3.1 3GPP TS 36.331 V12.7.0: Sections 5.10.7, 5.10.7.1 3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.1.8, 7.3.4, 10.2; Table 7-2 3GPP TS 36.300 V12.7.0: Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0: Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b		
	SKT009	US10128986			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.1.8, 7.3.4, 10.2; Table 7-2 3GPP TS 36.300 V12.7.0: Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0: Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b		
		US10637614			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.3, 10.2; Table 7-2 3GPP TS 36.300 V12.7.0: Section 7.5 3GPP TS 36.331 V12.7.0: Sections 5.3.1.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b		
		US11038627			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.1.8, 7.3.4, 10.2; Table 7-2 3GPP TS 36.300 V12.7.0: Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0: Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b		
	SKT011	CNZL201680079838.1			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		EP3410774 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		IN477387			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1		
		JP6638091			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		JP6876116			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		KR10-1893917			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		KR10-1932574			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		US10659397			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		US12107777			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1		
	SKT012	CNZL201680066884.8			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		CNZL201680067157.3			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		CNZL202111192410.7			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		EP3364695 (DE, ES, FI, FR, GB, IT, NL, TR)			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		EP3379867 (DE, ES, FR, GB, IT, NL, TR)			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		IN418542			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		IN507192			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		JP7128234			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		KR10-1795786			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		KR10-1795787			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		US10609636			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		US11178600			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		US11265809			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		

SK Telecom Co., Ltd.	SKT012	US11792728			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
	SKT013	CNZL201780049384.8			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		EP3498023 (ES, FR, GB, IT, NL)			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		EP4120781 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		IDP000079936			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		IN517235			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		RU2711952			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		RU2722424			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		RU2735387			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		US10645527			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		US10721588			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		US11044576			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		VN1-2019-01223			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		ZA201901397			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		ZA202203814			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		ZA202203815			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
	SKT015	CNZL201780077099.7					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2
		CNZL202110941186.0					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2
		CNZL202110941194.5					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2

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		JP6898994					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2
		JP7261834					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2
		KR10-1859564					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2
		US10912006					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2
		US11419032					1	3GPP TS 38.300 V15.5.0: Sections 9.2.1.2, 9.2.2.1, 9.2.2.2 3GPP TS 38.304 V15.5.0: Section 5.2.4.2
	SKT016	CNZL201780028882.4		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		EP3445013 (DE, ES, GR, GB IT, NL, TR)		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		IN459692		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		IN472589		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		JP7128874		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		KR10-2076816		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		US10499445		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		US10873988		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
		US11412564		1	3GPP 23.401 V15.4.0: Sections 3.2, 4..1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4-1, 4.9.2-1, 4.9.3.1-1		1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
	SKT017	CNZL201780030831.5					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		EP3445082 (DE, ES, FR, GB, IT, NL, TR)					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1

SK Telecom Co., Ltd.	SKT017	JP6674051				1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		JP6952816				1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		KR10-2115213				1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		KR10-2115218				1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		US10945159				8	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		US11627494				1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		US11917453				1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
	SKT018	CNZL201780049651.1				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		EP3496451 (DE, ES, FR, GB, IT)				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		EP3525513 (DE, ES, FR, GB, IT)				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		IN475189				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		JP6872006				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		JP6983885				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		JP7051995				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		KR10-2039534				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		KR10-2139466				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		US11082879				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1

SK Telecom Co., Ltd.	SKT018	US11297524				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		US11337102				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		US11653248				1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
	SKT019	CNZL201680085944.0				1	3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
		EP3444958				1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		(GB, FR, DE, IT, ES)					
		IDP000065766				1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		IN434700				1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		JP6873161				1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		KR10-2021086				1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		KR10-2021089				1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		US11019664				1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
	SKT021	CNZL201780023252.8				9	3GPP TS 38.211 V17.4.0: Sections 4.3.1, 4.3.2, 4.4.2, 4.4.3, 6.1.1, 6.1.2, 6.4.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3, 6.4.1.2.1.1, 6.4.1.2.1.2, 6.4.1.2.2.1, 6.4.1.2.2.2, 7.4.1 3GPP TS 38.214 V17.4.0: Section 6.1.2.1; Table 6.1.2.1-1 3GPP TS 38.300 V17.3.0: Sections 3.1, 6.2
		IN502299				9	3GPP TS 38.211 V17.4.0: Sections 4.3.1, 4.3.2, 4.4.2, 4.4.3, 6.1.1, 6.1.2, 6.4.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3, 6.4.1.2.1.1, 6.4.1.2.1.2, 6.4.1.2.2.1, 6.4.1.2.2.2, 7.4.1 3GPP TS 38.214 V17.4.0: Section 6.1.2.1; Table 6.1.2.1-1 3GPP TS 38.300 V17.3.0: Sections 3.1, 6.2
		JP6961676				9	3GPP TS 38.211 V17.4.0: Sections 4.3.1, 4.3.2, 4.4.2, 4.4.3, 6.1.1, 6.1.2, 6.4.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3, 6.4.1.2.1.1, 6.4.1.2.1.2, 6.4.1.2.2.1, 6.4.1.2.2.2, 7.4.1 3GPP TS 38.214 V17.4.0: Section 6.1.2.1; Table 6.1.2.1-1 3GPP TS 38.300 V17.3.0: Sections 3.1, 6.2
		KR10-2124050				9	3GPP TS 38.211 V17.4.0: Sections 4.3.1, 4.3.2, 4.4.2, 4.4.3, 6.1.1, 6.1.2, 6.4.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3, 6.4.1.2.1.1, 6.4.1.2.1.2, 6.4.1.2.2.1, 6.4.1.2.2.2, 7.4.1 3GPP TS 38.214 V17.4.0: Section 6.1.2.1; Table 6.1.2.1-1 3GPP TS 38.300 V17.3.0: Sections 3.1, 6.2
		US11088795				9	3GPP TS 38.211 V17.4.0: Sections 4.3.1, 4.3.2, 4.4.2, 4.4.3, 6.1.1, 6.1.2, 6.4.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3, 6.4.1.2.1.1, 6.4.1.2.1.2, 6.4.1.2.2.1, 6.4.1.2.2.2, 7.4.1 3GPP TS 38.214 V17.4.0: Section 6.1.2.1; Table 6.1.2.1-1 3GPP TS 38.300 V17.3.0: Sections 3.1, 6.2
		US11621744				9	3GPP TS 38.211 V17.4.0: Sections 4.3.1, 4.3.2, 4.4.2, 4.4.3, 6.1.1, 6.1.2, 6.4.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3, 6.4.1.2.1.1, 6.4.1.2.1.2, 6.4.1.2.2.1, 6.4.1.2.2.2, 7.4.1 3GPP TS 38.214 V17.4.0: Section 6.1.2.1; Table 6.1.2.1-1 3GPP TS 38.300 V17.3.0: Sections 3.1, 6.2
		US12107645				9	3GPP TS 38.211 V17.4.0: Sections 4.3.1, 4.3.2, 4.4.2, 4.4.3, 6.1.1, 6.1.2, 6.4.1, 6.4.1.1.1.1, 6.4.1.1.1.2, 6.4.1.1.3, 6.4.1.2.1.1, 6.4.1.2.1.2, 6.4.1.2.2.1, 6.4.1.2.2.2, 7.4.1 3GPP TS 38.214 V17.4.0: Section 6.1.2.1; Table 6.1.2.1-1 3GPP TS 38.300 V17.3.0: Sections 3.1, 6.2
	SKT022	CNZL201880039161.8				1	3GPP TS 38.214 V17.6.0: Sections 5.2.1, 5.2.3 3GPP TS 38.300 V17.0.0: Sections 3.1, 3.2, 4.1, 7.2, 18.0, 18.2; Figure 18.2-1 3GPP TS 38.331 V17.1.0: Section 4.2.1
		IN524057				1	3GPP TS 38.214 V17.6.0: Sections 5.2.1, 5.2.3 3GPP TS 38.300 V17.0.0: Sections 3.1, 3.2, 4.1, 7.2, 18.0, 18.2; Figure 18.2-1 3GPP TS 38.331 V17.1.0: Section 4.2.1
		KR10-2163867				1	3GPP TS 38.214 V17.6.0: Sections 5.2.1, 5.2.3 3GPP TS 38.300 V17.0.0: Sections 3.1, 3.2, 4.1, 7.2, 18.0, 18.2; Figure 18.2-1 3GPP TS 38.331 V17.1.0: Section 4.2.1
		KR10-2226156				1	3GPP TS 38.214 V17.6.0: Sections 5.2.1, 5.2.3 3GPP TS 38.300 V17.0.0: Sections 3.1, 3.2, 4.1, 7.2, 18.0, 18.2; Figure 18.2-1 3GPP TS 38.331 V17.1.0: Section 4.2.1

SK Telecom Co., Ltd.	SKT022	US11272401					1	3GPP TS 38.214 V17.6.0: Sections 5.2.1, 5.2.3 3GPP TS 38.300 V17.0.0: Sections 3.1, 3.2, 4.1, 7.2, 18.0, 18.2; Figure 18.2-1 3GPP TS 38.331 V17.1.0: Section 4.2.1
Technology in Ariscle , LLC	ARI001	KR10-1458790	1	3GPP TS 25.214 V11.12.0: Sections 6A.4.1, 9, 12.1	1	3GPP TS 36.211 V11.7.0: Sections 6.3.4.2.1, 6.3.4.2.3; Table 6.3.4.2.3-1 3GPP TS 36.213 V11.13.0: Sections 7.1.4, 7.1.5, 7.2, 7.2.3, 7.2.4; Table 7.2.3-0		
	ARI002	CNZL201680021262.3			8, 10	3GPP TS 36.213 V14.9.0: Section 7.2 3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Tables 6.10.5-1, 6.10.5.2-1 3GPP TS 36.331 V14.9.0: Section 6.3.2		
		CNZL201910119478.9			12	3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Figure 6.10.5.1-1; Tables 6.10.5-1, 6.10.5.2-2 3GPP TS 36.213 V14.9.0: Sections 7.2, 7.2.5 3GPP TS 36.331 V14.9.0: Sections 6.3.2		
		KR10-1955940			13	3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Tables 6.10.5-1, 6.10.5.2-1; Figure 6.10.5.2-1 3GPP TS 36.213 V14.9.0: Sections 7.2, 7.2.5 3GPP TS 36.331 V14.9.0: Sections 6.3.2, 6.10.5		
		US10256963			14	3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Tables 6.10.5-1, 6.10.5.2-1; Figure 6.10.5.2-1 3GPP TS 36.213 V14.9.0: Sections 7.2, 7.2.5 3GPP TS 36.331 V14.9.0: Sections 6.3.2, 6.10.5		
	ARI003	AU2019342135			1	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
		CNZL201980061783.5			1	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
		KR10-2239148			1	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
		US10707938			10, 11	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
Telefónica S.A. S.A.	TEF001	EP2716111 (DE, ES, GB)			1	3GPP TS 36.214 V12.3.0: Section 5.1.1 3GPP TS 36.300 V12.7.0: Section 16.1.10 3GPP TS 36.304 V12.6.0: Sections 4.2, 5.2.3.2, 5.2.4.6; Table 4.2-1	1	3GPP TS 36.214 V12.3.0: Section 5.1.1 3GPP TS 36.300 V12.7.0: Section 16.1.10 3GPP TS 36.304 V12.6.0: Sections 4.2, 5.2.3.2, 5.2.4.6; Table 4.2-1
		US9439115			1	3GPP TS 36.214 V12.3.0: Section 5.1.1 3GPP TS 36.300 V12.7.0: Section 16.1.10 3GPP TS 36.304 V12.6.0: Sections 4.2, 5.2.3.2, 5.2.4.6; Table 4.2-1	1	3GPP TS 36.214 V12.3.0: Section 5.1.1 3GPP TS 36.300 V12.7.0: Section 16.1.10 3GPP TS 36.304 V12.6.0: Sections 4.2, 5.2.3.2, 5.2.4.6; Table 4.2-1
	TEF002	EP2864033 (DE, ES, GB)			1	3GPP TS 24.301 V14.9.0: Sections 5.3.12, 9.9.3.46 3GPP TS 24.008 V14.7.0: Sections 2.1.2, 4.7.3.1.1, 4.7.3.1.3, 9.4.1, 9.4.2, 10.5.5.32; Figure 10.5.5.32; Tables 9.4.1, 9.4.2 3GPP TS 36.321 V11.6.0: Section 3.1; Figure 3.1-1	1	3GPP TS 24.301 V14.9.0: Sections 5.3.12, 9.9.3.46 3GPP TS 24.008 V14.7.0: Sections 2.1.2, 4.7.3.1.1, 4.7.3.1.3, 9.4.1, 9.4.2, 10.5.5.32; Figure 10.5.5.32; Tables 9.4.1, 9.4.2 3GPP TS 36.321 V11.6.0: Section 3.1; Figure 3.1-1
		US9313736			1	3GPP TS 24.301 V14.9.0: Sections 5.3.12, 9.9.3.46 3GPP TS 24.008 V14.7.0: Sections 2.1.2, 4.7.3.1.1, 4.7.3.1.3, 9.4.1, 9.4.2, 10.5.5.32; Figure 10.5.5.32; Tables 9.4.1, 9.4.2 3GPP TS 36.321 V11.6.0: Section 3.1; Figure 3.1-1	1	3GPP TS 24.301 V14.9.0: Sections 5.3.12, 9.9.3.46 3GPP TS 24.008 V14.7.0: Sections 2.1.2, 4.7.3.1.1, 4.7.3.1.3, 9.4.1, 9.4.2, 10.5.5.32; Figure 10.5.5.32; Tables 9.4.1, 9.4.2 3GPP TS 36.321 V11.6.0: Section 3.1; Figure 3.1-1
TIM S.p.A.	TIM001	CNZL201110028222.0	1, 10	3GPP TS 23.402 V9.3.0: Sections 1; 4.1.0; 4.3.3.3; 4.5.2; 6.3; 6.10; 12.3; Figure 6.10-1	1, 10	3GPP TS 23.402 V9.3.0: Sections 1; 4.1.0; 4.3.3.3; 4.5.2; 6.3; 6.10; 12.3; Figure 6.10-1		
		EP2341723 (AT, BE, CH, CZ, DE, DK, ES, FR, GB, HU, IE, IT, NL, PL, PT, RO, SE, TR)			1, 3	3GPP TS 23.402 V9.3.0: Sections 1, 4.1.0, 4.3.3.3, 4.4.1, 6.3, 6.10, 12.3; Figure 6.10-1		
		US8593963			8	3GPP TS 23.402 V9.3.0: Sections 1, 4.1.3.2, 4.3.3.1, 4.3.3.3, 4.4.1, 4.5.2, 6.10, 12.3; Figure 6.10-1		
		US9357374	1, 9	3GPP TS 23.402 V9.3.0: Sections 1, 3.2, 4.1.0, 4.3.3.3, 4.4.1, 6.3, 6.10; Figures 6.10-1, 12.3 3GPP TS 33.402 V15.1.0: Section 9.2.2.2.1	1, 9	3GPP TS 23.402 V9.3.0: Sections 1, 3.2, 4.1.0, 4.3.3.3, 4.4.1, 6.3, 6.10; Figures 6.10-1, 12.3 3GPP TS 33.402 V15.1.0: Section 9.2.2.2.1		
	TIM002	US7995988			1, 8, 14, 15	3GPP TS 36.305 V15.4.0: Sections 1, 4.1, 4.3, 5, 5.3.3, 5.3.4, 6.1.3, 6.1.4, 6.1.5, 6.2.1, 7.1.1, 7.1.2.1, 8.1.3.3.1, 8.6.3.1, 8.7.3.1.1, 8.9.3.1.1; Figures 5-1, 8.9.3.1.1-1; Table 4.3-1	1, 8, 14, 15	3GPP TS 38.305 V15.5.0: Sections 1, 4.1, 4.3.1, 5.1, 5.4.4, 6.1.4, 6.1.5, 6.2.1, 7.1.1, 7.1.2.1, 8.1.3.3.1, 8.4.3.3.1, 8.5.3.3.1, 8.6.3.3.1, 8.7.3.3.1, 8.8.3.2; Figures 5.1-1, 8.1.3.3.1-1; Table 4.3.1-1
	TIM003	US10567913			1	3GPP TS 23.303: Sections 1, 4.2, 5.3.3.2, 7A.1; Annex C.1, C.2; Table C.2-1; Figure 4.2-1, C.2-1 3GPP TS 22.278: Section 4.1		
UNISOC (Shanghai) Technologies Co., Ltd.	UNI001	CNZL201710290717.8					10, 14, 16	3GPP TS 36.331 V15.6.0: Sections 3.1, 3.2, 5.6.3.1, 5.6.3.2, 5.6.3.3, 6.2.2 3GPP TS 38.331 V15.2.1: Sections 5.6.1.4, 6.3.3 3GPP TS 37.340 V15.6.0: Sections 3.2, 4.2.1, 10.2.1

UNISOC (Shanghai) Technologies Co., Ltd.	UNIO02	CNZL201611140968.X			1	3GPP TS 36.213 V15.3.0: Sections 6.1, 6.1.1 3GPP TS 36.331 V15.3.0: Section 6.2, 6.2.1, 6.3, 6.3.1		
		CNZL201911280547.0			1	3GPP TS 36.213 V15.3.0: Sections 6.1, 6.1.1 3GPP TS 36.331 V15.3.0: Section 6.2, 6.2.1, 6.3, 6.3.1		
	UNIO03	CNZL201510859850.1			1	3GPP TS 36.213 V15.8.0: Sections 7.2, 7.2.3 3GPP TS 36.331 V15.8.0: Section 6.3, 6.3.2 3GPP TS 36.300 V15.8.0: Section 5.2.3		
	UNIO04	CNZL201510868781.0					1	3GPP TS 38.214 V15.5.0: Sections 3.3, 5.1.2.1, 6.1.2.1 3GPP TS 38.213 V15.5.0: Section 10.1 3GPP TS 38.212 V15.4.0: Sections 7.3, 7.3.1.1, 7.3.1.1.1, 7.3.1.2, 7.3.1.2.1 3GPP TS 38.331 V15.5.0: Section 6.3.2
		CNZL201910722587.X					1	3GPP TS 38.214 V15.5.0: Sections 3.3, 5.1.2.1, 6.1.2.1 3GPP TS 38.213 V15.5.0: Section 10.1 3GPP TS 38.212 V15.4.0: Sections 7.3, 7.3.1.1, 7.3.1.1.1, 7.3.1.2, 7.3.1.2.1 3GPP TS 38.331 V15.5.0: Section 6.3.2
	UNIO05	CNZL201510573735.8					1	3GPP TS 37.355 V16.0.0: Sections 3.1, 3.2, 4.1.1, 5.1.1, 5.3.1, 6.3, 6.5.3.4, 6.5.9.4
	UNIO06	CNZL201910367603.8			1	3GPP TS 36.300 V17.2.0: Sections 23, 23.20, 23.20.2 3GPP TS 23.401 V17.4.0: Sections 4, 4.3, 4.3.33, 4.3.33.5		
	UNIO07	CNZL201710184384.0					15	3GPP TS 38.211 V15.2.0: Sections 3.2, 4.3.1, 4.3.2; Tables 4.3.2-1, 4.3.2-2 3GPP TS 38.213 V15.2.0: Sections 1, 4.1 3GPP TS 38.215 V15.2.0: Section 5.1.1
		CNZL202110875829.6					14	3GPP TS 38.211 V15.2.0: Sections 3.2, 4.3.1, 4.3.2; Tables 4.3.2-1, 4.3.2-2 3GPP TS 38.213 V15.2.0: Sections 1, 4.1 3GPP TS 38.215 V15.2.0: Section 5.1.1
		US11246108					11	3GPP TS 38.211 V15.2.0: Sections 3.2, 4.3.1, 4.3.2; Tables 4.3.2-1, 4.3.2-2 3GPP TS 38.213 V15.2.0: Sections 1, 4.1 3GPP TS 38.215 V15.2.0: Section 5.1.1
	UNIO08	CNZL201710181786.5					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
		CNZL202110694184.6					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
		US10582514					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
		US11019635					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
	UNIO09	CNZL201810290152.8					9	3GPP TS 37.213 V16.2.0: Sections 1, 3.3, 4.0, 4.1, 4.1.1, 4.2.1.0.0, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.3 3GPP TS 38.212 V16.4.0: Sections 3.3, 7.3.1; Table 7.3.1-1 3GPP TS 38.213 V16.4.0: Sections 10.4, 11.1.1; Table 11.1.1-1 3GPP TS 38.300 V16.4.0: Sections 3.1, 3.2, 4.1 3GPP TS 38.331 V16.2.0: Section 6.3.2
		US11477822					9	3GPP TS 37.213 V16.2.0: Sections 1, 3.3, 4.0, 4.1, 4.1.1, 4.2.1.0.0, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.3 3GPP TS 38.212 V16.4.0: Sections 3.3, 7.3.1; Table 7.3.1-1 3GPP TS 38.213 V16.4.0: Sections 10.4, 11.1.1; Table 11.1.1-1 3GPP TS 38.300 V16.4.0: Sections 3.1, 3.2, 4.1 3GPP TS 38.331 V16.2.0: Section 6.3.2
	UNIO10	CNZL201710685505.X					1	3GPP TS 38.211 V15.4.0: Sections 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4 3GPP TS 38.212 V15.4.0: Sections 7.3.1, 7.3.1.0, 7.3.1.2.1; Table 7.3.1-1 3GPP TS 38.213 V15.4.0: Sections 3.3, 13; Tables 13-1, 13-2, 13-3 3GPP TS 38.214 V15.4.0: Sections 3.3, 5.1.2.2, 5.1.2.2.2, 5.1.4 3GPP TS 38.331 V15.3.0: Sections 5.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1

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		US11317408				1	3GPP TS 38.211 V15.4.0: Sections 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4 3GPP TS 38.212 V15.4.0: Sections 7.3.1, 7.3.1.0, 7.3.1.2.1; Table 7.3.1-1 3GPP TS 38.213 V15.4.0: Sections 3.3, 13; Tables 13-1, 13-2, 13-3 3GPP TS 38.214 V15.4.0: Sections 3.3, 5.1.2.2, 5.1.2.2.2, 5.1.4 3GPP TS 38.331 V15.3.0: Sections 5.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US11659537				1	3GPP TS 38.211 V15.4.0: Sections 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4 3GPP TS 38.212 V15.4.0: Sections 7.3.1, 7.3.1.0, 7.3.1.2.1; Table 7.3.1-1 3GPP TS 38.213 V15.4.0: Sections 3.3, 13; Tables 13-1, 13-2, 13-3 3GPP TS 38.214 V15.4.0: Sections 3.3, 5.1.2.2, 5.1.2.2.2, 5.1.4 3GPP TS 38.331 V15.3.0: Sections 5.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
	UNIO11	CNZL201610302106.6				12	3GPP TS 38.212 V15.5.0: Sections 7.3.1, 7.3.1.2.1; Tables 7.3.1-1, 7.3.1.2.1-1 3GPP TS 39.213 V15.5.0: Sections 3.3, 10.1, 12 3GPP TS 38.300 V15.5.0: Sections 3.1, 6.2, 4.2 3GPP TS 38.331 V15.8.0: Sections 5.2.1, 5.2.2.1, 5.2.2.4.2, 5.3.3.1, 5.3.3.4, 5.3.5.1, 5.3.5.2, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1
		US10367613				15	3GPP TS 38.212 V15.5.0: Sections 7.3.1, 7.3.1.2.1; Tables 7.3.1-1, 7.3.1.2.1-1 3GPP TS 39.213 V15.5.0: Sections 3.3, 10.1, 12 3GPP TS 38.300 V15.5.0: Sections 3.1, 6.2, 4.2 3GPP TS 38.331 V15.8.0: Sections 5.2.1, 5.2.2.1, 5.2.2.4.2, 5.3.3.1, 5.3.3.4, 5.3.5.1, 5.3.5.2, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1
	UNIO12	CNZL202010193035.7				1	3GPP TS 38.213 V17.4.0: Sections 10, 10.1, 10.1.1 3GPP TS 38.331 V17.4.0: Section 6.3.2
	UNIO13	CNZL201810026977.9				1	3GPP TS 38.213 V15.4.0: Sections 3.3, 10, 10.2 3GPP TS 38.300 V15.4.0: Sections 4.1, 5.2.3 3GPP TS 38.212 V15.4.0: Sections 7.3.1.1.1, 7.3.1.1.2, 7.3.1.2.1, 7.3.1.2.2
	UNIO14	CNZL201711146316.1				1	3GPP TS 38.300 V15.6.0: Sections 9, 9.2, 9.2.8 3GPP TS 38.213 V15.6.0: Sections 3, 3.3, 6, 10, 10.1 3GPP TS 38.331 V15.6.0: Sections 6, 6.3, 6.3.2
	UNIO15	CNZL202010274796.5				1	3GPP TS 38.214 V18.0.0: Section 6.1 3GPP TS 38.331 V18.1.0: Section 6.3.2
	UNIO16	CNZL201910028667.5				1	3GPP TS 38.214 V16.3.0: Sections 5, 5.1 3GPP TS 38.211 V16.3.0: Sections 7, 7.3, 7.3.1, 7.3.1.1 3GPP TS 38.306 V16.3.0: Sections 4, 4.2, 4.2.7, 4.2.7.6 3GPP TS 38.305 V16.3.0: Sections 3, 3.1
	UNIO17	CNZL201710689594.5				9	3GPP TS 38.211 V15.5.0: Section 4.2; Table 4.2-1 3GPP TS 38.213 V15.5.0: Sections 3.3, 13; Tables 13-1 to 13-15 3GPP TS 38.331 V15.6.0: Sections 3, 6.2.1, 6.2.2
		CNZL202011443335.2				8	3GPP TS 38.211 V15.5.0: Section 4.2; Table 4.2-1 3GPP TS 38.213 V15.5.0: Sections 3.3, 13; Tables 13-1 to 13-15 3GPP TS 38.331 V15.6.0: Sections 3, 6.2.1, 6.2.2
		US10680779				10	3GPP TS 38.211 V15.5.0: Section 4.2; Table 4.2-1 3GPP TS 38.213 V15.5.0: Sections 3.3, 13; Tables 13-1 to 13-15 3GPP TS 38.331 V15.6.0: Sections 3, 6.2.1, 6.2.2
		US11323226				10	3GPP TS 38.211 V15.5.0: Section 4.2; Table 4.2-1 3GPP TS 38.213 V15.5.0: Sections 3.3, 13; Tables 13-1 to 13-15 3GPP TS 38.331 V15.6.0: Sections 3, 6.2.1, 6.2.2
	UNIO18	CNZL202110519801.9				5	3GPP TS 37.340 V15.6.0: Sections 3.1, 3.2, 7.2, 7.4, 7.5 3GPP TS 36.331 V15.6.0: Sections 6.2.2, 6.3.5 3GPP TS 38.133 V15.6.0: Section 9.1.2 3GPP TS 38.331 V15.6.0: Sections 6.2.2, 6.3.2
	UNIO19	CNZL201810299535.1				13	3GPP TS 38.212 V16.3.0: Section 4.2; Table 4.2-2 3GPP TS 38.213 V16.3.0: Sections 3.3, 10.1, 10.4, 11.1.1 3GPP TS 38.331 V16.3.0: Sections 3, 5.3.3.1, 5.3.5.1, 5.3.7.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.7.1-1, 5.3.13.1-1, 5.3.13.1-2
		US11683701				11	3GPP TS 38.212 V16.3.0: Section 4.2; Table 4.2-2 3GPP TS 38.213 V16.3.0: Sections 3.3, 10.1, 10.4, 11.1.1 3GPP TS 38.331 V16.3.0: Sections 3, 5.3.3.1, 5.3.5.1, 5.3.7.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.7.1-1, 5.3.13.1-1, 5.3.13.1-2
	UNIO20	CNZL201810912849.4				1	3GPP TS 38.213 V16.7.0: Sections 4.2, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 10.3 3GPP TS 38.321 V16.7.0: Section 5.7

UNISOC (Shanghai) Technologies Co., Ltd.	UNIO20	CNZL202110916095.1					1	3GPP TS 38.213 V16.7.0: Sections 4.2, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 10.3 3GPP TS 38.321 V16.7.0: Section 5.7
		CNZL202110916286.8					1	3GPP TS 38.213 V16.7.0: Sections 4.2, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 10.3 3GPP TS 38.321 V16.7.0: Section 5.7
		IN547237					1	3GPP TS 38.213 V16.7.0: Sections 4.2, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 10.3 3GPP TS 38.321 V16.7.0: Section 5.7
		US11653305					1	3GPP TS 38.213 V16.7.0: Sections 4.2, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 10.3 3GPP TS 38.321 V16.7.0: Section 5.7
		US11937184					1	3GPP TS 38.213 V16.7.0: Sections 4.2, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 10.3 3GPP TS 38.321 V16.7.0: Section 5.7
	UNIO21	US10742346					19	3GPP TS 38.211 V15.5.0: Sections 7.4.3.1; Table 7.4.3.1-1 3GPP TS 38.213 V15.5.0: Sections 3.3, 4.1, 5, 13; Table 13-8 3GPP TS 38.300 V15.5.0: Sections 5.1, 5.2.4, 7.8; Figure 5.2.4-1
	UNIO22	CNZL201610404312.8					8	3GPP TS 38.331 V 15.7.0: Sections 5.5.1, 5.5.3.1, 5.6.1.1, 6.2.2, 6.3.2, 6.3.3 3GPP TS 38.306 V15.9.0: Section 4.2.9 3GPP TS 38.215 V15.7.0: Section 5.1.14
	UNIO23	CNZL201710011840.1					17	3GPP TS 38.300 V15.4.0: sections 5.2.5.5 3GPP TS 38.213 V15.3.0: sections 10.1, 13 3GPP TS 38.212 V15.3.0: section 7.3.1.2.1 3GPP TS 38.331 V15.3.0: section 6.2.2
	UNIO24	CNZL201711141260.0					1	3GPP TS 38.213 V16.0.0: Sections 9.1.2, 9.2.1 3GPP TS 38.331 V16.0.0: Section 6.3.2 3GPP TS 38.212 V15.3.0: Section 6.3.1.1
	UNIO25	CNZL201810026761.2					1	3GPP TS 38.213 V15.4.0: Sections 9, 9.2, 9.2.5, 9.2.5.1 3GPP TS 38.321 V15.2.0: Section 5.4.4 3GPP TS 38.331 V15.4.0: Sections 6.2.2, 6.3.2
	UNIO26	CNZL201711115600.2					1	3GPP TS 38.300 V15.6.0: Sections 5.1, 5.3.5.3, 9.2.9 3GPP TS 38.321 V15.2.0: Section 6.1.3.4 3GPP TS 38.213 V15.3.0: Section 4.2 3GPP TS 38.211 V15.2.0: Sections 3.2, 4.1, 4.3.1
Wilus Inc.	WIL004	IN420846			1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1	1	3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1 3GPP TS 38.214 V16.6.0: Sections 6.1.2, 6.1.2.1; Table 6.1.2.1-1
		KR10-2353817			1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1	1	3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1 3GPP TS 38.214 V16.6.0: Sections 6.1.2, 6.1.2.1; Table 6.1.2.1-1
		KR10-2771582			1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1	1	3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1 3GPP TS 38.214 V16.6.0: Sections 6.1.2, 6.1.2.1; Table 6.1.2.1-1
		US11064364			1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1	1	3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1 3GPP TS 38.214 V16.6.0: Sections 6.1.2, 6.1.2.1; Table 6.1.2.1-1
		US11646922			1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1	1	3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1 3GPP TS 38.214 V16.6.0: Sections 6.1.2, 6.1.2.1; Table 6.1.2.1-1
		US11770279			1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1	1	3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1 3GPP TS 38.214 V16.6.0: Sections 6.1.2, 6.1.2.1; Table 6.1.2.1-1
	WIL005	CNZL201780018454.3			1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.5.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.1, 4.2.1.0.0 3GPP TS 37.213 V16.2.0: Sections 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2
		CNZL202210317480.9			1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.5.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.1, 4.2.1.0.0 3GPP TS 37.213 V16.2.0: Sections 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2
		CNZL202210317482.8			1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.5.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.1, 4.2.1.0.0 3GPP TS 37.213 V16.2.0: Sections 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2

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		US11974140			1	3GPP TS 37.213 V16.5.0: Sections 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.1, 4.2.2, 4.2.2.1; Tables: 4.2.1-1 3GPP TS 36.212 V16.5.0: Sections: 5.3.3.1, 5.3.3.1.1A, 5.3.3.1.1B; Tables: 5.3.3.1.1A-1, 5.3.3.1.1A-2, 5.3.3.1.1A-3	1	3GPP TS 37.213 V16.6.0: Sections 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.2.2; Table 4.2.1-1 3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1, 7.3.1.1.2, 7.3.1.1.3 3GPP TS 38.214 V16.6.0: Section 6.1.2, 6.1.2.1; Table 6.1.2.1-1
	WIL010	KR10-2389027			1	3GPP TS 37.213 V15.3.0: Sections 4.2.1, 4.2.1.1, 4.2.1.2 3GPP TS 36.300 V15.12.0: Sections 5.7, 5.7.0, 11.1.2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.0.3, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.1.2.1.2.2 3GPP TS 38.213 V16.6.0: Sections 11, 11.1, 11.1.1 3GPP TS 38.214 V16.6.0: Sections 6, 6.1, 6.1.2.3
		KR10-2520327			1	3GPP TS 37.213 V15.3.0: Sections 4.2.1, 4.2.1.1, 4.2.1.2 3GPP TS 36.300 V15.12.0: Sections 5.7, 5.7.0, 11.1.2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.0.3, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.1.2.1.2.2 3GPP TS 38.213 V16.6.0: Sections 11, 11.1, 11.1.1 3GPP TS 38.214 V16.6.0: Sections 6, 6.1, 6.1.2.3
		KR10-2647787			1	3GPP TS 37.213 V15.3.0: Sections 4.2.1, 4.2.1.1, 4.2.1.2 3GPP TS 36.300 V15.12.0: Sections 5.7, 5.7.0, 11.1.2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.0.3, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.1.2.1.2.2 3GPP TS 38.213 V16.6.0: Sections 11, 11.1, 11.1.1 3GPP TS 38.214 V16.6.0: Sections 6, 6.1, 6.1.2.3
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	WIL011	CNZL201880009423.6					1	3GPP TS 38.300 V15.12.0: Section 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V15.8.0: Section 4.4.1, 7.1.1, 7.1.2, 7.4.1.1.2; Tables 7.4.1.1.2-3, 7.4.1.1.2-4 3GPP TS 38.331 V15.13.0: Section 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
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		CNZL202210242263.8					1	3GPP TS 38.300 V15.12.0: Section 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V15.8.0: Section 4.4.1, 7.1.1, 7.1.2, 7.4.1.1.2; Tables 7.4.1.1.2-3, 7.4.1.1.2-4 3GPP TS 38.331 V15.13.0: Section 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
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Wilus Inc.	WIL011	US11012209				1	3GPP TS 38.300 V15.12.0: Section 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V15.8.0: Section 4.4.1, 7.1.1, 7.1.2, 7.4.1.1.2; Tables 7.4.1.1.2-3, 7.4.1.1.2-4 3GPP TS 38.331 V15.13.0: Section 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
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	WIL012	CNZL201880029109.4				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		CNZL202111492481.9				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		CNZL202111494259.2				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		CNZL202111495007.1				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		EP3605885 (DE, GB, FR, ES, IT, NL, PL, FI, SE, TR)				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		EP4120589 (DE, GB, FR, ES, IT, NL, PL, FI, SE, TR)				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		EP4120590 (DE, GB, FR, ES, IT, NL, PL, FI, SE, TR)				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		IN533202				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		JP7395352				8	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		JP7447222				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2

Wilus Inc.	WIL012	JP7681355				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		KR10-2241122				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		KR10-2592399				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		US11729748				1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		VN45487				7	3GPP TS 38.331 V15.9.0: Section 6.3.2 3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
	WIL013	CNZL201880040071.0				7	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		CNZL202210628563.X				4	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		CNZL202210629129.3				4	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		CNZL202210629149.0				6	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		EP3641197 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				4	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		EP4221057 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				4	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		IN526596				2	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1

Wilus Inc.	WIL013	JP6995392				7	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		JP7313724				4	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		JP7670373				5	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2469365				9	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2671486				4	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2674803				6	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2768870				6	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US11381369				7	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US11811705				7	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US11936594				4	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
	WIL014	CNZL201880057581.9				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		CNZL202211274694.9				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1

Wilus Inc.	WIL014	CNZL202211274742.4				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		EP4106240 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		EP4117211 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		IN466091				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		JP7242074				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		JP7442853				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		JP7508129				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		KR10-2374139				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		KR10-2443893				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		KR10-2554096				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		KR10-2651563				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
		US11533131				1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
	WIL015	CNZL201880052102.4				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		CNZL202211174625.0				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		CNZL202211174637.3				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		CNZL202211174703.7				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		IN449154				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17

Wilus Inc.	WIL015	KR10-2356054				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		KR10-2537798				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		KR10-2662410				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		US11240081				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		US11689403				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		US12074747				1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
	WIL016	CNZL201880064924.4				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		CNZL202211265755.5				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		CNZL202211265886.3				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		CNZL202211291221.X				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		EP3681079 (DE, GB, FR, ES, IT, NL, PL, FI, SE, TR)				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		EP4164166 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1

Wilus Inc.	WIL016	IN467345				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1 3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		JP7142960				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		JP7421237				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		JP7421238				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		JP7678617				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2481201				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2568599				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2650205				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US11304181				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US11832255				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US12004161				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		VN49282				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2: Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
	WIL017	CNZL201880069046.5				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		CNZL202310532765.9				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		IN503254				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		JP6980317				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2

Wilus Inc.	WIL017	JP7313721				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		JP7701075				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		US11412507				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		US12047922				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		US12213112				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		VN45078				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
	WIL018	CNZL201980008079.3				11	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		EP3740002 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				11	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		EP4050954 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		EP4050955 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		IN564396				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		JP7235340				11	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		JP7427279				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		JP7446641				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		JP7515921				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		KR10-2411788				11	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		KR10-2805038				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		US11497033				11	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		US11632768				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		US11737078				1	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
		VN41236				11	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2, 6.1.2.2.2
	WIL019	CNZL201980007966.9				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		EP3739795 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1

Wilus Inc.	WIL019	EP4080812 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		EP4113891 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		IN500030				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		JP7345196				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		JP7577367				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		JP7579015				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		KR10-2484273				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		US11523414				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		US11950226				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		US11956774				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		VN45771				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
	WIL021	CNZL201980031500.2				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
		IN541731				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
		JP7338880				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
		JP7570728				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
		JP7726559				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
		US11102806				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1

Wilus Inc.	WIL021	US11729788				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
		US12267850				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
	WIL026	CNZL201980082979.2				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		IN535680				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		IN560278				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		JP7138379				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		JP7450285				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		JP7523816				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		KR10-2484270				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		US11290218				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		US11888626				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		US11894932				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
	WIL027	CNZL202080013306.4				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		IN480615				7	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		JP7214272				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		JP7483280				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		JP7485410				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		JP7724577				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		KR10-2577881				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		US11405903				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		US11997682				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		US12082198				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		VN47423				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1

Wilus Inc.	WIL032	CNZL202080042075.X				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		CNZL202310819373.0				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		CNZL202310820205.3				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		EP3955501 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2 3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		JP7271015				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		JP7519720				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		JP7520413				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		KR10-2492932				1	3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2 3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		US11490406				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		US11653353				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		US11737091				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
	WIL033	CNZL202080041087.0				8	3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2 3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		EP4033835 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		IN548021				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		JP7195671				17	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		JP7555610				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		JP7620987				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		KR10-2549167				13	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		KR10-2693296				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2

Wilus Inc.	WIL033	KR10-2746745				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		US11464035				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		US11825471				9	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		US12047946				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
		VN47208				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
	WIL034	DE202020005739.8				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		JP7384488				11	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		JP7570731				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		JP7570732				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		KR10-2583258				11	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		KR10-2808682				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		KR10-2838638				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		TW1845731				11	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		TW1897430				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		US11570803				12	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		US12294993				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
		US12302317				1	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
	WIL035	CNZL202080055952.7				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2

Wilus Inc.	WIL035	EP3996459 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		EP4329353 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		JP7204275				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		JP7388773				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		JP7388774				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		JP7578320				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		KR10-2476055				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		KR10-2577889				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		KR10-2647709				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		TWI799729				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		TWI895707				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		US11503653				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		US11792863				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		US11838955				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
		VN52192				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
	WIL037	IN547187				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
		JP7376187				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
		JP7701078				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
		TWI855172				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
		US11601966				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
		US12114329				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
		US12302351				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
Wireless Innovation, LLC	WIR002	CNZL200480040372.1				7	3GPP TS 23.122 V10.0.0: Sections 1.2, 2, 3.1, 4.4.3.1.1, 4.4.3.3.1
		EP1695584 (BE, DE, ES, FI, GR, GB, IT, SE)				6	3GPP TS 23.122 V10.0.0: Section 1.2, 2, 3.1, 4.4.3.1.1, 4.4.3.3, 4.4.3.3.1; Annex A
		JP4990341				6	3GPP TS 23.122 V14.5.0: Sections 1.2, 2, 4.4.1, 4.4.3.1, 4.4.3.1.1, 4.4.3.3.1 3GPP TS 24.002 V14.0.0: Sections 3.0; Figure 2 3GPP TS 31.102 V14.8.0: Section 4.2.2 3GPP TS 36.304 V14.7.0: Sections 5.1, 5.1.2.1, 5.1.2.2
		US7366510				1, 6, 11, 16	3GPP TS 23.122 V10.0.0: Sections 1.2, 2.3.1, 4.3.3.1.1, 4.4.3.1.1, 4.4.3.3.1

Wireless Innovation, LLC	WIRO03	EP1683380 (BE, DE, ES, FI, FR, GB, IT, SE)			7	3GPP TS 23.122 V8.12.0: Sections 1.2, 2, 3.1, 4.4.1, 4.4.2, 4.4.3, 4.4.3.1, 4.4.3.1.1, 4.4.3.3.1		
		HK1093275			7	3GPP TS 23.122 V8.12.0: Sections 1.2, 2, 3.1, 4.4.1, 4.4.2, 4.4.3, 4.4.3.1, 4.4.3.1.1, 4.4.3.3.1		
		KR10-0763867			7	3GPP TS 23.122 V8.12.0: Sections 3.1, 4.4, 4.4.1, 4.4.2, 4.4.3, 4.4.3.1 and 4.4.3.1.1		
	WIRO07	CNZL200880119450.5			9	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 5.8.1.2 and 6.3.7 3GPP TS 36.321 V9.6.0: Sections 4.5.2 and 5.12; Table 4.5.2-1		
		EP2068492 (DE, ES, FI, FR, GB, IE, IT, NL, SE)			15	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 6.3.7 3GPP TS 36.321 V9.6.0: Sections 4.5.2, 5.12; Table 4.5.2-1		
		JP5140160			15	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 6.3.7 3GPP TS 36.321 V9.6.0: Sections 4.5.2, 5.12; Table 4.5.2-1		
		KR10-1420909			6	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 6.3.7 3GPP TS 36.321 V9.6.0: Sections 5.12, 6.1.3.7 3GPP TS 36.300 V9.10.0: Section 5.1.6		
		US8755400			4	3GPP TS 36.211 V11.7.0: Section 6.5 3GPP TS 36.212 V11.7.0: Section 4.2; Table 4.2-1 3GPP TS 36.300 V11.14.0: Section 15.3.3 3GPP TS 36.321 V11.6.0: Sections 4.2.1, 5.12, 6.1.2, 6.1.3.7; Figure 6.1.3.7-1		
		US9001725			4	3GPP TS 36.211 V11.7.0: Section 6.5 3GPP TS 36.212 V11.7.0: Section 4.2; Table 4.2 3GPP TS 36.300 V11.14.0: Section 15.3.3 3GPP TS 36.321 V11.6.0: Sections 5.12, 6.1.2 and 6.1.3.7; Figure 6.1.3.7-1		
	WIRO08	KR10-1658686			5	3GPP TS 36.321 V10.10.0: Sections 5.3.2.1, 5.3.2.2, 5.7, 5.13 3GPP TS 36.213 V10.13.0: Sections 7.1, 7.1.6.3, 9.1.1 3GPP TS 36.212 V10.9.0: Sections 5.3.3, 5.3.3.1.3 3GPP TS 36.300 V10.12.0: Section 7.5		
		KR10-1761824			9	3GPP TS 36.212 V10.9.0: section 5.3.3.1.3 3GPP TS 36.213 V10.13.0: sections 4.3, 7.1, 9.1.1 3GPP TS 36.321 V10.10.0: sections 5.3.1, 5.13, 6.1.3.8; Figure 6.1.3.8-1		
		KR10-1863520			9	3GPP TS 36.321 V10.10.0: Sections 5.3.1, 5.3.2.1, 5.13 3GPP TS 36.300 V10.12.0: Section 11.1 3GPP TS 36.213 V10.13.0: Sections 7.1, 9.1.1 3GPP TS 36.212 V10.9.0: Section 5.3.3.1.3		
		US10412724			11	3GPP TS 36.321 V10.10.0: Sections 5.7, 5.13 3GPP TS 36.331 V10.22.0: Sections 5.3.1.1, 5.3.3.1, 5.3.3.4, 5.3.5.1, 5.3.5.3, 5.13; Figures 5.3.3.1-1, 5.3.5.1-1		