

Exhibit D

LICENSED PATENTS LTE-M

Patent Owner	Family Reference	Exemplary Patents
ASUSTek Computer Inc.	ASTK-001	KR 10-1726705
		US 10602394
	ASTK-002	IN 482920
		KR 10-1813247
		TW I623238
	ASTK-003	US 10117229
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		NL (EP) 3402288
		US 11184914
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	ASTK-010	CN 112788797
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		IT (EP) 4199641
		JP 7033177
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	ASTK-011	CN 116170839
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BlackBerry Limited	BKBY-001	US 8472567
	BKBY-002	DE (EP) 2413637
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	BKBY-005	DE (EP) 2475148
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	BKBY-007	DE (EP) 3843496
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	BKBY-008	DE (EP) 3767870
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	BKBY-017	DE (EP) 3809794
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	BKBY-019	DE (EP) 2524542
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	BKBY-020	DE (EP) 2274938
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	BKBY-022	CN 103442453
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China Mobile Communications Group Co., Ltd.	CM-001	DE (EP) 2330841
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	CM-003	DE (EP) 3197202
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Datang Mobile Communications Equipment Co., Ltd.	DATG-001	US 9060363
	DATG-002	CN 101060713
	DATG-003	BE (EP) 2306772
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		US 8514813
	DATG-004	CN 100531023
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Deutsche Telekom AG	DETK-001	AT (EP) 3209067
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Dolby International AB	DOLB-001	AT (EP) 2255464
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Telefonaktiebolaget LM Ericsson	ERS-003	AT (EP) 1952560
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		TR (EP) 2108223
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Patent Owner	Family Reference	Exemplary Patents
		US 8023990
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Electronic and Telecommunication Research Institute	ETRI-002	US 9204429
Harfang IP Investment Corporation	HARF-001	KR 10-1565102
		KR 10-1655693
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	HARF-002	US 8744437
HFI Innovation Inc.	HFI-001	CN 102783165
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		CN 103053204
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Huawei Technologies Co., Ltd.	HUAT-003	US 10785762
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Innovative Sonic Limited	INSC-001	DE (EP) 2169871
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Mitsubishi Electric Corporation	MELC-001	US 9113445
	MELC-002	US 9635656
NTT DOCOMO, Inc.	NTTD-001	BE (EP) 2273843
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	NTTD-002	JP 6008523
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	NTTD-005	JP 4695213
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	NTTD-006	JP 4902771
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	NTTD-013	JP 4481316
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	NTTD-014	JP 4703750
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	NTTD-015	JP 5980241
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	NTTD-016	CN 101911743
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	NTTD-017	JP 4335953
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	NTTD-019	JP 4918580
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	NTTD-020	JP 5108066
		US 8718664
	NTTD-021	JP 5068842
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		US 9066347
	NTTD-024	JP 5437422
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	NTTD-028	JP 4465015
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Optis Cellular Technology, LLC	OPCT-001	BE (EP) 2104263
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Optis Wireless Technology, LLC	OPWT-001	BE (EP) 2127183
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Orange S.A.	ORAN-001	DE (EP) 3334193
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Panasonic Holdings Corporation	PNSC-001	US 8457234
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	PNSC-029	US 11245502
	PNSC-030	US 11646924
	PNSC-031	US 11622349
Pantech Corporation	PTC-002	US 10791491
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Sisvel International S.A.	SIS001	US 9635142
	SIS002	US 8130819
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		US 8072923
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SK Telecom Co., Ltd.	SKT-002	CN 110771201
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		US 11272401
Sony Corporation	SNY-001	CN 101647246
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		GB (EP) 2153596
		US 8072930

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	SNY-005	CN 104919880
		KR 10-2180830
		US 9794956
	SNY-006	US 10299274
	SNY-007	CN 105165073
		DE (EP) 2992713
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		KR 10-1978404
	SNY-008	CN 105453476
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	SNY-009	DE (EP) 3039941
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	SNY-010	CN 111629363
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	SNY-011	CN 107409435
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		KR 10-2462831
		NL (EP) 3241365
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	SNY-013	CN 113115274
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	SNY-014	CN 108353049
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	SNY-015	CN 108141891
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	SNY-016	CN 108293248
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	SNY-018	US 10708875
	SNY-019	CN 111279766
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	SNY-020	US 11757598
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	SNY-022	CN 108605358
		DE (EP) 3886524
		FR (EP) 3886524
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		JP 6907222
		KR 10-2370099
		NL (EP) 3886524
		US 11575470
	SNY-023	CN 109792690
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		US 11013055
	SNY-024	CN 105075301
		DE (EP) 2785082
		FR (EP) 2785082
		GB (EP) 2785082
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		NL (EP) 2785082
		US 9986508
	SNY-025	CN 108811186
		DE (EP) 3125617
		FR (EP) 3125617
		GB (EP) 3125617
		US 9706597
	SNY-026	CN 108029058
		DE (EP) 3338488
		FR (EP) 3338488
		GB (EP) 3338488
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		NL (EP) 3338488
		US 11134423
	SNY-027	CN 103354665
		DE (EP) 2375845
		GB (EP) 2375845
		IT (EP) 2375845
		JP 4844628
		US 7616603
	SNY-028	CN 102045860
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		ES (EP) 1880566
		FR (EP) 1880566
		GB (EP) 1880566
		JP 5273199
		US 9307552
TCL Communication Technology Holdings Limited	TCL-002	US 10171226
Telefónica S.A.	TLFN-001	DE (EP) 2716111
		ES (EP) 2716111
		GB (EP) 2716111
		US 9439115
	TLFN-002	DE (EP) 2861033
		ES (EP) 2861033
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Unwired Planet, LLC	UNPL-002	US 7948879
Unwired Planet International Limited	UPIL-001	US 8149777
	UPIL-002	US 8976746
	UPIL-003	US 7924756
Vodafone Group Services Limited	VDFN-001	DE (EP) 2005669
		ES (EP) 2005669
		FR (EP) 2005669
		GB (EP) 2005669
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		US 8649389
	VDFN-002	DE (EP) 2456276
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	VDFN-003	DE (EP) 2046085
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	VDFN-004	US 9078234
Verizon Patent & Licensing Inc.	VRZN-001	US 8805364
		US 10383044
ZTE Corporation	ZTEC-001	US 10516464
	ZTEC-002	US 11057899
	ZTEC-003	US 11424806
	ZTEC-011	US 9210650
	ZTEC-012	US 9980254
	ZTEC-013	US 8521210
	ZTEC-014	US 8477712
	ZTEC-015	US 8537752
	ZTEC-016	US 8391229
	ZTEC-017	US 8432875
	ZTEC-018	US 8537729
	ZTEC-019	US 8509172
	ZTEC-020	US 8594017
	ZTEC-021	US 8472308
	ZTEC-022	US 8200241
	ZTEC-042	US 11792876
	ZTEC-043	US 12048046

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ASUSTek Computer Inc.	ASTK-001	KR 10-1726705
		US 10602394
	ASTK-007	CN 111132345
		DE (EP) 3657898
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		HK 40029299
		IT (EP) 3657898
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		NL (EP) 3657898
		US 10701702
	ASTK-008	CN 111225443
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		IT (EP) 3668263
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BlackBerry Limited	BKBY-001	US 8472567
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	BKBY-007	DE (EP) 3843496
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	BKBY-014	BE (EP) 2262328
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China Mobile Communications Group Co., Ltd.	CM-001	DE (EP) 2330841
		FR (EP) 2330841
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	CM-002	US 8811239
	CM-003	DE (EP) 3197202
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Datang Mobile Communications Equipment Co., Ltd.	DATG-004	CN 100531023
	DATG-005	CN 101388900
Deutsche Telekom AG	DETK-001	AT (EP) 3209067
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Dolby International AB	DOLB-001	AT (EP) 2255464
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Telefonaktiebolaget LM Ericsson	ERS-001	CN 1857024
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Electronic and Telecommunication Research Institute	ETRI-001	US 10447445
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Harfang IP Investment Corporation	HARF-001	KR 10-1565102
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HFI Innovation Inc.	HFI-001	CN 102783165
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Huawei Technologies Co., Ltd.	HUAT-007	DE (EP) 3550902
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Innovative Sonic Limited	INSC-001	DE (EP) 2169871
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Shanghai Langbo Communication Technology Co., Ltd	LNGB-006	US 11696266
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NTT DOCOMO, Inc.	NTTD-001	BE (EP) 2273843
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Orange S.A.	ORAN-001	DE (EP) 3334193
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Panasonic Holdings Corporation	PNSC-032	US 11665039
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Pantech Corporation	PTC-003	US 10306677
Sisvel International S.A.	SIS001	US 9635142
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SK Telecom Co., Ltd.	SKT-001	BR PI0706360-1
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Sony Corporation	SNY-001	CN 101647246
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