

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
		US 10117229
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ASTK-003		DE (EP) 3217754
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Patent Owner	Family Reference	Exemplary Patents
		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
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	BKBY-007	DE (EP) 3843496
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	BKBY-012	DE (EP) 1978763
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	BKBY-013	CN 1783844
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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-021	US 8619601
	BKBY-022	CN 103442453
		KR 10-1393668
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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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	CM-004	US 10536935
Datang Mobile Communications Equipment Co., Ltd.	DATG-001	US 9060363
	DATG-002	CN 101060713
	DATG-003	BE (EP) 2306772
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		DE (EP) 2306772
		FR (EP) 2306772

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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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Patent Owner	Family Reference	Exemplary Patents
	ERS-005	JP 4903861
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	ERS-007	CN 101636961
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	ERS-009	JP 4904429
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	ERS-038	US 11924763

Patent Owner	Family Reference	Exemplary Patents
Electronic and Telecommunication Research Institute	ETRI-002	US 9204429
Harfang IP Investment Corporation	HARF-001	KR 10-1565102
		KR 10-1655693
		US 9386478
	HARF-002	US 8744437
HFI Innovation Inc.	HFI-001	CN 102783165
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		TW I433559
		US 8259601
	HFI-002	CN 103024830
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Huawei Technologies Co., Ltd.	HUAT-003	US 10785762
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	HUAT-005	US 10750497
	HUAT-006	US 11166268
	HUAT-008	US 11057916
Innovative Sonic Limited	INSC-001	DE (EP) 2169871
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JVCKENWOOD Corporation	JVKD-001	JP 5223409
KDDI Corporation	KDDI-002	US 7974203
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		KR 10-2042032
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Kyocera Corporation	KYC-001	DE (EP) 3016468
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Mitsubishi Electric Corporation	MELC-001	US 9113445
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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-001	US 8457234
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Pantech Corporation	PTC-001	US 11172493
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Sisvel International S.A.	SIS001	US 9635142
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SK Telecom Co., Ltd.	SKT-002	CN 110771201
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Sony Corporation	SNY-001	CN 101647246
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TCL Communication Technology Holdings Limited	TCL-002	US 10171226
Telefónica S.A.	TLFN-001	DE (EP) 2716111
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Unwired Planet, LLC	UNPL-002	BE (EP) 2634948
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Unwired Planet International Limited	UPIL-001	CN 102124668
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	VDFN-004	US 9078234
Verizon Patent & Licensing Inc.	VRZN-001	US 8805364
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ZTE Corporation	ZTEC-001	US 10516464
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	ZTEC-003	US 11424806
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	ZTEC-016	US 8391229
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	ZTEC-021	US 8472308
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		IT (EP) 3657898
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	ASTK-008	CN 111225443
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BlackBerry Limited	BKBY-001	ES (EP) 2413637
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China Mobile Communications Group Co., Ltd.	CM-001	DE (EP) 2330841
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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.	HARF-002	US 8744437
	HFI-001	CN 102783165
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	HFI-007	US 8995989
	HFI-008	US 10027593
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	HFI-022	CN 105813223
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	HFI-025	CN 107005823
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	HFI-026	CN 107040958
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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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Kyocera Corporation	KYC-001	DE (EP) 3016468
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		JP 5038499
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	LGE-019	CA 2748799
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Shanghai Langbo Communication Technology Co., Ltd	LNGB-006	US 11696266
	LNGB-007	US 11870719
NTT DOCOMO, Inc.	NTTD-001	BE (EP) 2273843
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	NTTD-014	US 8532049
Orange S.A.	ORAN-001	DE (EP) 3334193
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Panasonic Holdings Corporation	PNSC-032	US 11665039

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	PNSC-033	US 11394498
Pantech Corporation	PTC-003	US 10306677
Sisvel International S.A.	SIS001	US 9635142
	SIS003	CN 102340890
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	SIS004	BE (EP) 1861982
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		IN 318570
		IT (EP) 1925142
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	SIS008	US 8781469
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	SIS016	AT (EP) 2315383

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SK Telecom Co., Ltd.	SKT-001	BR PI0706360-1
		CN 101390358
		DE (EP) 3672181
		ES (EP) 3672181
		FR (EP) 3672181
		GB (EP) 3672181
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		IT (EP) 3672181
		KR 10-0874485
		NL (EP) 3672181
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		TR (EP) 3672181
		US 8125976
	SKT-003	JP 6983885
		KR 10-2039534
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Sony Corporation	SNY-001	CN 101647246
		DE (EP) 2153596
		GB (EP) 2153596
		US 8072930

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	SNY-003	CN 107302426
		DE (EP) 3340524
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		NL (EP) 3340524
		US 9949253
	SNY-004	CN 104322128
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		KR 10-2047574
		US 9723604
	SNY-007	CN 105165073
		DE (EP) 2992713
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		GB (EP) 2992713
		JP 6816043
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	SNY-008	CN 105453476
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		IN 475185
		IT (EP) 3033849
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	SNY-011	NL (EP) 3272182
	SNY-013	CN 113115274
		DE (EP) 3275257
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		NL (EP) 3275257
		US 10362594
	SNY-015	CN 108141891
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		NL (EP) 3357294
		US 10143013
	SNY-017	DE (EP) 3403358
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		GB (EP) 3403358
		IN 481107
		KR 10-2702045
		NL (EP) 3403358
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	SNY-018	KR 10-2421066
		US 10708875
	SNY-019	CN 111279766
		US 11844048
	SNY-022	CN 108605358
		DE (EP) 3886524
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		GB (EP) 3886524
		JP 6907222
		KR 10-2370099
		NL (EP) 3886524
		US 11575470
	SNY-023	CN 109792690
		DE (EP) 3524017
		FR (EP) 3524017
		GB (EP) 3524017
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		KR 10-2249229
		NL (EP) 3524017
		US 11013055
	SNY-024	CN 105075301
		DE (EP) 2785082
		FR (EP) 2785082
		GB (EP) 2785082
		KR 10-2155874
		NL (EP) 2785082
		US 9986508
TCL Communication Technology Holdings Limited	TCL-001	US 10582473
	TLFN-002	DE (EP) 2861033
Telefónica S.A.		ES (EP) 2861033
		GB (EP) 2861033
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Unwired Planet, LLC	UNPL-001	CN 100469188
		DE (EP) 1547419
		ES (EP) 1547419
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Vodafone Group Services Limited	VDFN-001	DE (EP) 2005669
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		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
ZTE Corporation	ZTEC-004	US 10721740
	ZTEC-005	US 10601560
	ZTEC-006	US 10523372
	ZTEC-007	US 10849144
	ZTEC-008	US 11375545
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	ZTEC-023	US 10666484
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	ZTEC-030	US 10869352
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	ZTEC-041	US 11576088
	ZTEC-044	US 11991752
	ZTEC-045	US 12069621
	ZTEC-047	US 12382442
	ZTEC-048	US 12089204