

Exhibit D

LICENSED PATENTS LTE-M

Patent Owner	Family Reference	Exemplary Patents
BlackBerry Limited	BKBY-001	US 8472567
	BKBY-002	DE (EP) 2413637
		ES (EP) 2413637
		FI (EP) 2413637
		FR (EP) 2413637
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	BKBY-003	DE (EP) 2438783
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	BKBY-004	DE (EP) 2512095
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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-009	DE (EP) 2901776
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Patent Owner	Family Reference	Exemplary Patents
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	BKBY-011	DE (EP) 2594103
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	BKBY-012	DE (EP) 1978763
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	BKBY-013	CN 1783844
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	BKBY-014	BE (EP) 2262328
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	BKBY-015	BE (EP) 2099194
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	BKBY-017	DE (EP) 3809794
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	BKBY-018	DE (EP) 2601612
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		NL (EP) 2601612
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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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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
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	DATG-004	CN 100531023
	DATG-005	CN 101388900
Deutsche Telekom AG	DETK-001	AT (EP) 3209067
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		SI (EP) 2255464
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Telefonaktiebolaget LM Ericsson	ERS-003	AT (EP) 1952560
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	ERS-008	JP 4966409
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	ERS-009	JP 4904429
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	ERS-010	CN 101653024
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	ERS-011	JP 5070339
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		US 9468023
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	ERS-019	CN 106131893
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	ERS-020	JP 5021843
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	ERS-021	AT (EP) 2263411
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	ERS-022	CN 102047603
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	ERS-023	CN 102138360
		US 9480084

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	ERS-024	CH (EP) 2314008
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	ERS-025	CN 104320857
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	ERS-026	DE (EP) 2449844
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	ERS-027	AT (EP) 2742746
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	ERS-028	AT (EP) 2832064
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	ERS-033	US 12021639
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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
		US 9386478
	HARF-002	US 8744437
HFI Innovation Inc.	HFI-001	CN 102783165
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Patent Owner	Family Reference	Exemplary Patents
		DE (EP) 2298025
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Patent Owner	Family Reference	Exemplary Patents
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	HFI-022	CN 105813223
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	HFI-026	CN 107040958
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	HFI-028	US 9681436

Patent Owner	Family Reference	Exemplary Patents
Huawei Technologies Co., Ltd.	HUAT-003	US 10785762
	HUAT-004	US 11039432
	HUAT-005	US 10750497
	HUAT-006	US 11166268
	HUAT-008	US 11057916
Innovative Sonic Limited	INSC-001	DE (EP) 2169871
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	INSC-002	CN 1848720
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JVCKENWOOD Corporation	JVKD-001	JP 5223409
KDDI Corporation	KDDI-002	US 7974203
	KDDI-003	JP 6761502
	KDDI-004	JP 6502171
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Koninklijke KPN N.V.	KPNV-001	DE (EP) 2342538
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KT Corporation	KTC-001	CN 105637969
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		KR 10-1920111
		US 10334418
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	KTC-003	CN 106685587
		KR 10-1868220
		KR 10-1878125
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	KTC-004	CN 107040282
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	KTC-011	CN 107211346

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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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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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Pantech Corporation	PTC-002	US 10791491
Sisvel International S.A.	SIS001	US 9635142
	SIS002	US 8130819
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SK Telecom Co., Ltd.	SKT-002	CN 110771201
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Sony Corporation	SNY-001	CN 101647246
		DE (EP) 2153596
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	SNY-004	CN 104322128
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	SNY-007	CN 105165073
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		US 11575470
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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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		ES (EP) 2716111
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Unwired Planet International Limited	UPIL-001	US 8149777
	UPIL-002	US 8976746
	UPIL-003	US 7924756
Unwired Planet, LLC	UNPL-002	US 7948879
Vodafone Group Services Limited	VDFN-001	DE (EP) 2005669
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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
	ZTEC-002	US 11057899
	ZTEC-003	US 11424806
	ZTEC-011	US 9210650
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	ZTEC-021	US 8472308
	ZTEC-022	US 8200241

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	ZTEC-042	US 11792876
	ZTEC-043	US 12048046

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BlackBerry Limited	BKBY-001	US 8472567
	BKBY-002	DE (EP) 2413637
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	BKBY-007	DE (EP) 3843496
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Datang Mobile Communications Equipment Co., Ltd.	DATG-004	CN 100531023
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Deutsche Telekom AG	DETK-001	AT (EP) 3209067
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Telefonaktiebolaget LM Ericsson	ERS-001	CN 1857024
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	ERS-033	US 12021639
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	ERS-038	US 11924763
Electronic and Telecommunication Research Institute	ETRI-001	US 10447445
	ETRI-003	US 8259645
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
		IN 317150
		TW I433559
	HFI-007	US 8995989
	HFI-008	US 10027593
	HFI-009	CN 107005363
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	HFI-010	CN 106576326
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	HFI-016	BR 112017012493-9
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	HFI-022	CN 105813223
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		US 10004099
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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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	HUAT-008	US 11057916
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Innovative Sonic Limited	INSC-001	DE (EP) 2169871
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	INSC-002	CN 1848720
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	INSC-003	CN 101064594
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	INSC-004	CN 101272336
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	INSC-006	CN 101420424
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Koninklijke KPN N.V.	KPNV-001	DE (EP) 2342538
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KT Corporation	KTC-005	CN 107197524
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		US 10582357
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		KR 10-1979502
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	KTC-013	CN 109479230
		KR 10-1960177
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	KTC-014	CN 108307507

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		KR 10-1971780
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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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Orange S.A.	ORAN-001	DE (EP) 3334193
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Sisvel International S.A.	SIS001	US 9635142
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	SIS004	BE (EP) 1861982
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SK Telecom Co., Ltd.	SKT-001	BR PI0706360-1
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	SKT-003	JP 6983885
		KR 10-2039534
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Sony Corporation	SNY-001	CN 101647246
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	SNY-003	CN 107302426
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		US 9949253
	SNY-004	CN 104322128
		JP 6276884
		KR 10-2047574
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	SNY-007	CN 105165073
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		KR 10-1978404
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		IT (EP) 3033849
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	SNY-011	NL (EP) 3272182
	SNY-013	CN 113115274
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		FR (EP) 3275257
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	SNY-015	CN 108141891
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	SNY-017	DE (EP) 3403358
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	SNY-018	US 10708875
	SNY-019	CN 111279766
		US 11844048
	SNY-022	CN 108605358
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		FR (EP) 3886524
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	SNY-023	CN 109792690
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		GB (EP) 3524017
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		NL (EP) 3524017
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	SNY-024	CN 105075301
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		FR (EP) 2785082
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		NL (EP) 2785082
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TCL Communication Technology Holdings Limited	TCL-001	US 10582473
Telefónica S.A.	TLFN-002	DE (EP) 2861033
		ES (EP) 2861033
		GB (EP) 2861033
		US 9313736
Unwired Planet, LLC	UNPL-001	US 7706824
Vodafone Group Services Limited	VDFN-001	DE (EP) 2005669
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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-026	US 10736149
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	ZTEC-041	US 11576088
	ZTEC-044	US 11991752
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