

LTE-Band	Name (informal)	Region (Operator)	Fu(low) /MHz	Fu(high) /MHz	Fd(low) /MHz	Fd(high) /MHz	Duplex	DL/UL /MHz	Channels DL	Channels UL	Bandwidth /MHz
1	IMT 2.1 GHz	Europe/Asia	1920	1980	2110	2170	FDD	190	0 – 599	18000 – 18599	5.20
2	PCS A-F blocks 1.9 GHz	North America	1850	1910	1930	1990	FDD	80	600 – 1199	18600 – 19199	1.4..20
3	1800 MHz (was GSM-1800/DCS1800)	Worldwide	1710	1785	1805	1880	FDD	95	1200 – 1949	19200 – 19949	1.4..20
4	AWS-1 1.7+2.1 GHz	North America	1710	1755	2110	2155	FDD	400	1950 – 2399	19950 – 20399	1.4..20
5	850MHz (was CDMA)	North America, China, Japan, Korea	824	849	869	894	FDD	45	2400 – 2649	20400 – 20649	1.4..10
6	850MHz subset (was CDMA)	Japan (NTT DoCoMo)	830	840	875	885	FDD	45	2650 – 2749	20650 – 20749	5.10
7	IMT-E 2.6 GHz FDD	Worldwide	2500	2570	2620	2690	FDD	120	2750 – 3449	20750 – 21449	5..20
8	900 MHz (was GSM900)	Worldwide	880	915	925	960	FDD	45	3450 – 3799	21450 – 21799	1.4..10
9	DCS1800 subset	Japan (Softbank Mobile)	1749.9	1784.9	1844.9	1879.9	FDD	95	3800 – 4149	21800 – 22149	5..20
10	Extended AWS/AWS-2/AWS-3	North America	1710	1770	2110	2170	FDD	400	4150 – 4749	22150 – 22749	5..20
11	1.5 GHz lower	Japan	1427.9	1447.9	1475.9	1495.9	FDD	48	4750 – 4949	22750 – 22949	5..10
12	700 MHz lower A(BC) blocks	North America (A - T-Mobile US/US Cellular)	699	716	729	746	FDD	30	5010 – 5179	23010 – 23179	1.4..10
13	700 MHz upper C block	North America	777	787	746	756	FDD	-31	5180 – 5279	23180 – 23279	5..10
14	700 MHz upper D block	North America (public safety)	788	798	758	768	FDD	-30	5280 – 5379	23280 – 23379	5..10
15	obsolete (2 GHz TDD lower paired 2.6 GHz)	Europe									
16	obsolete (2 GHz TDD upper paired 2.6 GHz)	Europe									
17	700 MHz lower BC blocks	North America (AT&T)	704	716	734	746	FDD	30	5730 – 5849	23730 – 23849	5..10
18	800 MHz lower	Japan (KDDI), North America (Sprint/Telus)	815	830	860	875	FDD	45	5850 – 5999	23850 – 23999	5..15
19	800 MHz upper	Japan (NTT DoCoMo)	830	845	875	890	FDD	45	6000 – 6149	24000 – 24149	5..15
20	800 MHz (Digital Dividend)	Europe	832	862	791	821	FDD	-41	6150 – 6449	24150 – 24449	5..20
21	1.5 GHz upper	Japan	1447.9	1462.9	1495.9	1510.9	FDD	48	6450 – 6599	24450 – 24599	5..15
22	3.5 GHz	World	3410	3490	3510	3590	FDD	100	6600 – 7399	24600 – 25399	5..20
23	2 GHz S-Band	North America (Dish-Nwk)	2000	2020	2180	2200	FDD	180	7500 – 7699	25500 – 25699	1.4..20
24	1.6 GHz L-Band	North America (Light Squared)	1626.5	1660.5	1525	1559	FDD	-101.5	7700 – 8039	25700 – 26039	5..10
25	PCS A-G blocks 1900	North America (Sprint)	1850	1915	1930	1995	FDD	80	8040 – 8689	26040 – 26689	1.4..20
26	ESMR+ 850 (was: iDEN)	North America (Sprint)	814	849	859	894	FDD	45	8690 – 9039	26690 – 27039	1.4..15
27	800 MHz SMR (was iDEN)	America	807	824	852	869	FDD	45	9040 – 9209	27040 – 27209	1.4..10
28	700 APT	Worldwide except North America	703	748	758	803	FDD	55	9210 – 9659	27210 – 27659	3..20
29	700 lower DE blocks (suppl. DL)	North America (AT&T, Bell/Telus)			717	728	FDD		9660 – 9769		
30	2.3GHz WCS	North America (AT&T)	2305	2315	2350	2360	FDD	45	9770 – 9869	27660 – 27759	5..10
31	IMT 450 MHz	Europe, Central/South America	452.5	457.5	462.5	467.5	FDD	10	9870 – 9919	27760 – 27809	1.4..5
32	1.5 GHz L-Band (suppl. DL)	Europe			1452	1496	FDD		9920 – 10359		
33	2 GHz TDD lower	Europe	1900	1920			TDD		36000 – 36199		5..20
34	2 GHz TDD upper	Europe	2010	2025			TDD		36200 – 36349		5..15
35	1.9 GHz TDD lower	North America	1850	1910			TDD		36350 – 36949		1.4..20
36	1.9 GHz TDD upper	North America	1930	1990			TDD		36950 – 37549		1.4..20
37	PCS TDD	North America	1910	1930			TDD		37550 – 37749		5..20
38	IMT-E 2.6 GHz TDD	China, Europe	2570	2620			TDD		37750 – 38249		5..20
39	IMT 1.9 GHz TDD (was TD-SCDMA)	China (China Mobile)	1880	1920			TDD		38250 – 38649		5..20
40	2.3 GHz TDD	Worldwide except North America	2300	2400			TDD		38650 – 39649		5..20
41	Expanded TDD 2.6 GHz	China, North America (Sprint Spark, was Clearw)	2496	2690			TDD		39650 – 41589		5..20
42	3.4-3.6 GHz	Worldwide	3400	3600			TDD		41590 – 43589		5..20
43	3.6-3.8 GHz	Worldwide	3600	3800			TDD		43590 – 45589		5..20
44	700 MHz APT TDD	Worldwide except North America	703	803			TDD		45590 – 46589		5..20
45	TD 1500	China	1447	1467			TDD		46590 – 46789		5..20
46	TD Unlicensed	Worldwide	5150	5925			TDD		46790 – 54539		10/20
47	Vehicle to Everything (V2X) TDD	Worldwide	5855	5925			TDD		54540 – 55239		10/20
65	Extended IMT 2100	Europe	1920	2010	2110	2200	FDD	190	65536 – 66435	131072 – 131971	5..20
66	AWS-3	North America	1710	1780	2110	2200	FDD	400	66436 – 67335	131972 – 132671	1.4..20
67	700 EU (Suppl. DL)	Europe			738	758	FDD		67336 – 67535		
68	700 ME	Middle East	698	728	753	783	FDD	55	67536 – 67835	132672 – 132971	5..20
69	IMT-E FDD CA	Worldwide			2570	2620	FDD		67836 – 68335		
70	AWS-4	North America	1695	1710	1995	2020	FDD	300	68336-68485	132972-133221	5..20