

Band	Uplink (UL) Transmission Frequency (MHz)	Downlink (DL) Reception Frequency (MHz)	Duplex Mode	Channel Bandwidth (MHz)	Frequency Band Name	Frequency Band (MHz)	Spacing (MHz)
1	1920 - 1980	2110 - 2170	FDD	5, 10, 15, 20	IMT	2100	190
2	1850 - 1910	1930 - 1990	FDD	1.4, 3, 5, 10, 15, 20	PCS	1900	80
3	1710 - 1785	1805 - 1880	FDD	1.4, 3, 5, 10, 15, 20	DCS	1800	95
4	1710 - 1755	2110 - 2155	FDD	1.4, 3, 5, 10, 15, 20	AWS-1	1700	400
5	824 - 849	869 - 894	FDD	1.4, 3, 5, 10	CLR	850	45
6	830 - 840	875 - 885	FDD	5, 10	UMTS 800 (not applicable, replaced by band 19)	850	45
7	2500 - 2570	2620 - 2690	FDD	5, 10, 15, 20	IMT-E	2600	120
8	880 - 915	925 - 960	FDD	1.4, 3, 5, 10	E-GSM	900	45
9	1749.9-1784.9	1844.9-1879.9	FDD	5, 10, 15, 20	UMTS 1700 / Japan DCS (subset of band 3)	1800	95
10	1710 - 1770	2110 - 2170	FDD	5, 10, 15, 20	Extended AWS (superset of band 4)	1700	400
11	1427.9 - 1447.9	1475.9 - 1495.9	FDD	5, 10	Lower PDC	1500	48
12	699 - 716	729 - 746	FDD	1.4, 3, 5, 10	Lower SMH blocks A/B/C	700	30
13	777 - 787	746 - 756	FDD	5, 10	Upper SMH block C	700	31
14	788 - 798	758 - 768	FDD	5, 10	Upper SMH block D	700	30
15	1900 - 1920	2600 - 2620	FDD	5, 10	Reserved		700
16	2010 - 2025	2585 - 2600	FDD	5, 10, 15	Reserved		575
17	704 - 716	734 - 746	FDD	5, 10	Lower SMH blocks B/C (subset of band 12)	700	30
18	815 - 830	860 - 875	FDD	5, 10, 15	Japan lower 800	850	45
19	830 - 845	875 - 890	FDD	5, 10, 15	Japan upper 800 (superset of band 6)	850	45
20	832 - 862	791 - 821	FDD	5, 10, 15, 20	EU Digital Dividend	800	41
21	1447.9 - 1462.9	1495.9-1510.9	FDD	5, 10, 15	Upper PDC	1500	48
22	3410 - 3490	3510 - 3590	FDD	5, 10, 15, 20		3500	100
23	2000 - 2020	2180 - 2200	FDD	1.4, 3, 5, 10	S-Band (a/k/a AWS-4)	2000	180
24	1626.5 - 1660.5	1525 - 1559	FDD	5, 10	L-Band	1600	101.5
25	1850 - 1915	1930- 1995	FDD	1.4, 3, 5, 10, 15, 20	Extended PCS (superset of band 2)	1900	80
26	814 - 849	859 - 894	FDD	1.4, 3, 5, 10, 15	Extended CLR (superset of bands 5, 6, 18 and 19)	850	45
27	807 - 824	852 - 869	FDD	1.4, 3, 5, 10, 15	SMR	850	45
28	703 - 748	758 - 803	FDD	5, 10, 15, 20	APAC	700	55
29	n/a	716 - 728	FDD	5, 10	Lower SMH blocks D/E (additional DL via Carrier Aggregation)	700	n/a
30	2305 - 2315	2350 - 2360	FDD	5, 10	WCS blocks A/B	2300	45
31	452.5 - 457.5	462.5 - 467.5	FDD			450	10

<i>not assigned</i>	1915 - 1920	1995 - 2000	FDD		AWS-2	1900	80
<i>not assigned</i>	1755 - 1780	2155 - 2180	FDD		AWS-3	1700	400
33	1900 - 1920		TDD	5, 10, 15, 20	IMT	2100	
34	2010 - 2025		TDD	5, 10, 15	IMT	2100	
35	1850 - 1910		TDD	1.4, 3, 5, 10, 15, 20	PCS (Uplink)	1900	
36	1930 - 1990		TDD	1.4, 3, 5, 10, 15, 20	PCS (Downlink)	1900	
37	1910 - 1930		TDD	5, 10, 15, 20	PCS (Duplex spacing)	1900	
38	2570 - 2620		TDD	5, 10, 15, 20	IMT-E	2600	
39	1880 - 1920		TDD	5, 10, 15, 20		1900	
40	2300 - 2400		TDD	5, 10, 15, 20		2300	
41	2496 - 2690		TDD	5, 10, 15, 20	BRS / EBS	2500	
42	3400 - 3600		TDD	5, 10, 15, 20		3500	
43	3600 - 3800		TDD	5, 10, 15, 20		3700	
44	703 - 803		TDD	5, 10, 15, 20	APAC	700	