



RFPS Glance Guide v15




GSM standard

2G

900MHz E-GSM

1800MHz DCS1800



GSM		
BAND	FREQ (MHz)	ARFCN RANGE
E-GSM	900	0-124
DCS1800	1800	512-885





UMTS standard

3G





900MHz BAND 08

2100MHz BAND 01

UMTS		
BAND	FREQ (MHz)	UARFCN RANGE
8	900	2937-3088
1	2100	10562-10838

			
2100MHz 900MHz	2100MHz 900MHz	2100MHz	2100MHz
10637 2963	10736 2938	10811	10564
10661 3012	10712 2987	10836	10588
3050	10687	10761	10612
		10786	

A strikethrough denotes reform or intended reform of a UARFCN dependant on your region. This spectrum is to be/has been re-used on LTE.

LTE standard

4G

700MHz
BAND 28 FDD



800MHz
BAND 20 FDD



900MHz
BAND 08 FDD



1500MHz
BAND 32 SDL



1800MHz
BAND 03 FDD



2100MHz
BAND 01 FDD



2300MHz
BAND 40 TDD



2600MHz
BAND 07 FDD



2600MHz
BAND 38 TDD



LTE

BAND	FREQ (MHz)	EARFCN RANGE
28	700	9210-9659
20	800	6150-6449
8	900	3450-3799
32	1500	9920-10359
3	1800	1200-1949
1	2100	0-599
40 (TDD)	2300	38650-39649
7	2600	2750-3449
38 (TDD)	2600	37750-38249

NR standard

5G

700MHz
n28 FDD



2100MHz
n1 FDD







3400-3800MHz
n78



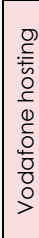
NR Freq Range (FR) 1

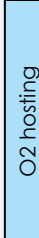
BAND	FREQ (MHz)	NRARFCN RANGE
n28	700	151600-160600
n1	2100	422000-434000
n78	3400-3800	620000-653333

LTE Bands, EARFCNs (Downlink) & Sector Correlation

	FREQ	800MHz	900MHz	1800MHz	2100MHz	2300MHz	2600MHz	
	BAND	20	8	3	1	40 (TDD)	7 (FDD)	38 (TDD)
	SECTOR 1	110	112	114 116	115 114	116 117		
	SECTOR 2	120	122	124 126	125 124	126 127		
	SECTOR 3	130	132	134 136	135 134	136 137		
	SECTOR 4	140		144	145	146 147		
	SECTOR 5	150		154	155	156 157		
	SECTOR 6	160		164	165	166 167		
	SECTOR 1	10	12	16 14	14 15		18	19
	SECTOR 2	20	22	26 24	24 25		28	29
	SECTOR 3	30	32	36 34	34 35		38	39
	SECTOR 4	40		46	44		48	
	SECTOR 5	50		56	54		58	
	SECTOR 6	60		66	64		68	
	SECTOR 1	12		00 03	18		06 09 15	
	SECTOR 2	13		01 04	19		07 10 16	
	SECTOR 3	14		02 05	20		08 11 17	
	SECTOR 1	06		00	71			
	SECTOR 2	07		01	72			
	SECTOR 3	08		02	73			
	SECTOR 4			03	74			
	SECTOR 5			04	75			
	SECTOR 6			05	76			

KEY

 Vodafone hosting

 O2 hosting

On a shared cell site O2 host elements on VF sites and the opposite has also been seen.

The shading on the table assists in identifying this.

If in doubt, check with the site host