GSM standard	2G	900MHz E-GSM	O2, Vodafone
		1800MHz DCS1800	O2, Vodafone, EE
UMTS standard	3G	900MHz BAND VIII	O2, Vodafone
		2100MHz BAND I	O2, Vodafone, EE, Three
LTE standard	4G	800MHz BAND 20	O2, Vodafone, EE, Three
		900MHz BAND 08	O2, Vodafone
		1500MHz BAND 32	Vodafone, Three
		1800MHz BAND 03	O2, Vodafone, EE, Three
		2100MHz BAND 01	O2, Vodafone, EE, Three
		2300MHz BAND 40 TDD	O2
		2600MHz BAND 07 FDD	Vodafone, EE
		2600MHz BAND 38 TDD	Vodafone

NR standard	5G	3300-3800MHz N 78	O2, Vodafone, EE, Three

	2100MHz	900MHz
O2	~~10637~~ ~~10661~~	2963 ~~3012~~ ~~3050~~
Vodafone	~~10736~~ ~~10712~~ ~~10687~~	2938 ~~2987~~
EE	~~10811~~ ~~10836~~ 10761 ~~10786~~	
Three	10564 ~~10588~~ ~~10612~~	

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

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LTE BANDS, EARFCNs (DOWNLINK) & SECTOR CORRELATION

	FREQ	800MHz	900MHz	1800MHz		2100MHz		2300MHz		2600MHz	
	BAND	20	8	3		1		40 (TDD)		7 (FDD)	38 (TDD)
O2	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		
vodafone	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	
EE	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
3	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					

BAND	FREQ (MHz)	EARFCN RANGE
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
41 (TDD)	2600	39650-41589
38 (TDD)	2600	37750-38249
7	2600	2750-3449
42	3400	41590-43589

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

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2100 MHz usage in the UK

Three.co.uk

Pre Refarm

~~10564~~ ~~10588~~ ~~10612~~

14.85 MHz UMTS

LTE Refarm

10564 | 99

4.95 MHz UMTS — 10 MHz LTE

O2

Pre Refarm

~~10637~~ ~~10661~~

9.9 MHz UMTS

LTE Refarm 1st stage

~~10637~~ | ~~224~~

4.95 MHz UMTS — 5 MHz LTE

LTE Refarm 2nd stage

199

10 MHz LTE

Vodafone

Pre Refarm

~~10687~~ ~~10712~~ ~~10736~~

14.85 MHz UMTS

LTE Refarm 1st stage

~~10687~~ ~~10712~~ ~~372~~

9.9 MHz UMTS — 5 MHz LTE

LTE Refarm 2nd stage

~~10687~~ | 347

4.95 MHz UMTS — 10 MHz LTE

LTE Refarm 3rd stage

323

15 MHz LTE

EE

Pre Refarm

10761 ~~10786~~ ~~10811~~ ~~10836~~

19.8 MHz UMTS

LTE Refarm

10761 | 522

4.95 MHz UMTS — 15 MHz LTE

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