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## FCC bands spectrum

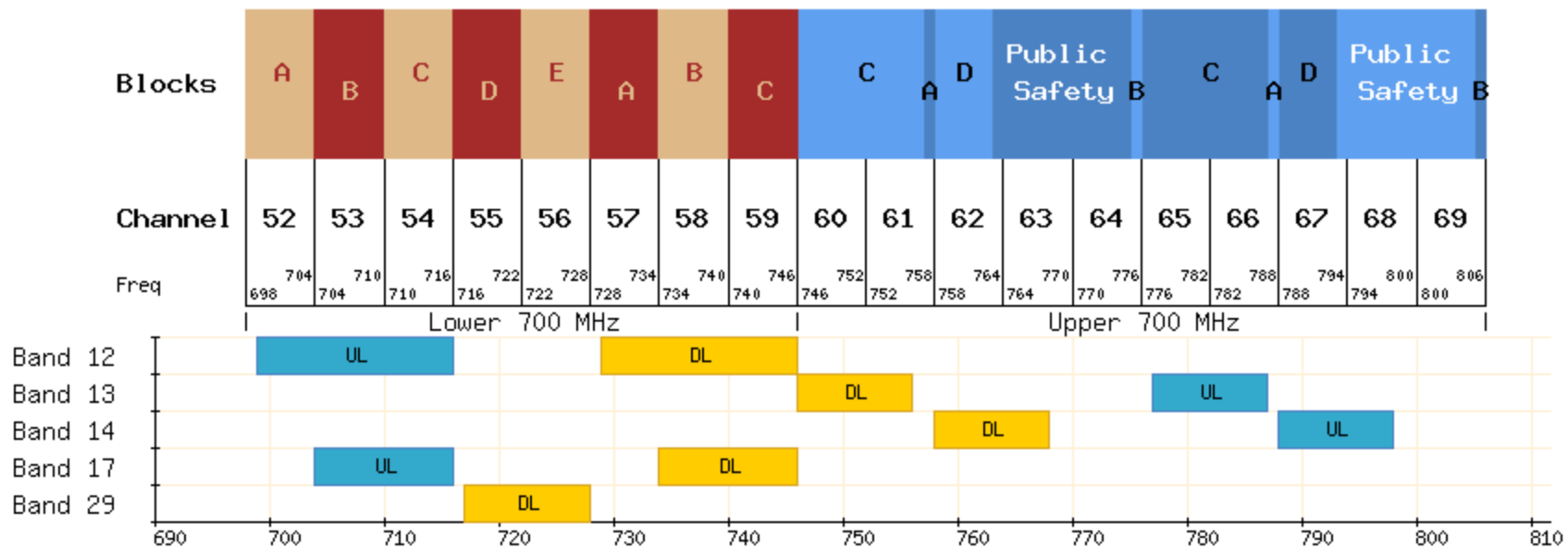
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FCC

USA Federal Communications Commission

## FCC 700MHz band for commercial services

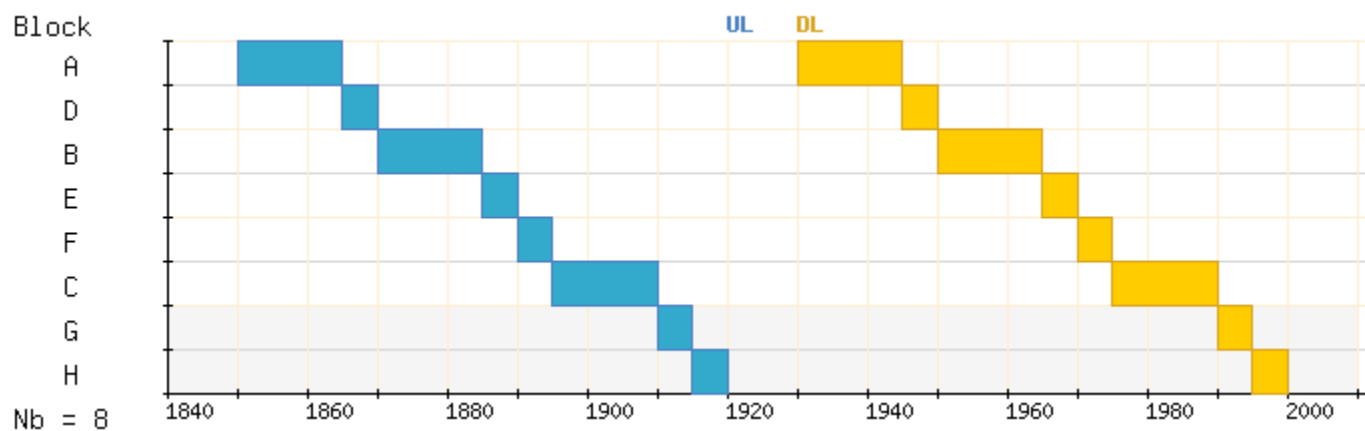


### EARFCN range for B12 / B13 / B14 / B17 / B29

Block	F <sub>UL_low</sub> (MHz)	F <sub>DL_low</sub> (MHz)	Block bandwidth	Band 12		Band 13		Band 14		Band 17		Band 29	
				N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range
A <sub>Lo</sub>	698	728	6	23010 .. 23059	5010 .. 5059								
B <sub>Lo</sub>	704	734	6	23060 .. 23119	5060 .. 5119					23730 .. 23789	5730 .. 5789		
C <sub>Lo</sub>	710	740	6	23120 .. 23179	5120 .. 5179					23790 .. 23849	5790 .. 5849		
D <sub>Lo</sub>	716	716	6										9660 .. 9709

Block	F <sub>UL_low</sub> (MHz)	F <sub>DL_low</sub> (MHz)	Block bandwidth	Band 12		Band 13		Band 14		Band 17		Band 29	
				N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range
E <sub>Lo</sub>	722	722	6										9710 .. 9769
C <sub>Up</sub>	776	746	11			23180 .. 23279	5180 .. 5279						
A <sub>Up</sub>	787	757	1										
D <sub>Up</sub>	788	758	5					23280 .. 23329	5280 .. 5329				
PS	793	763	12					23330 .. 23379	5330 .. 5379				
B <sub>Up</sub>	805	775	1										

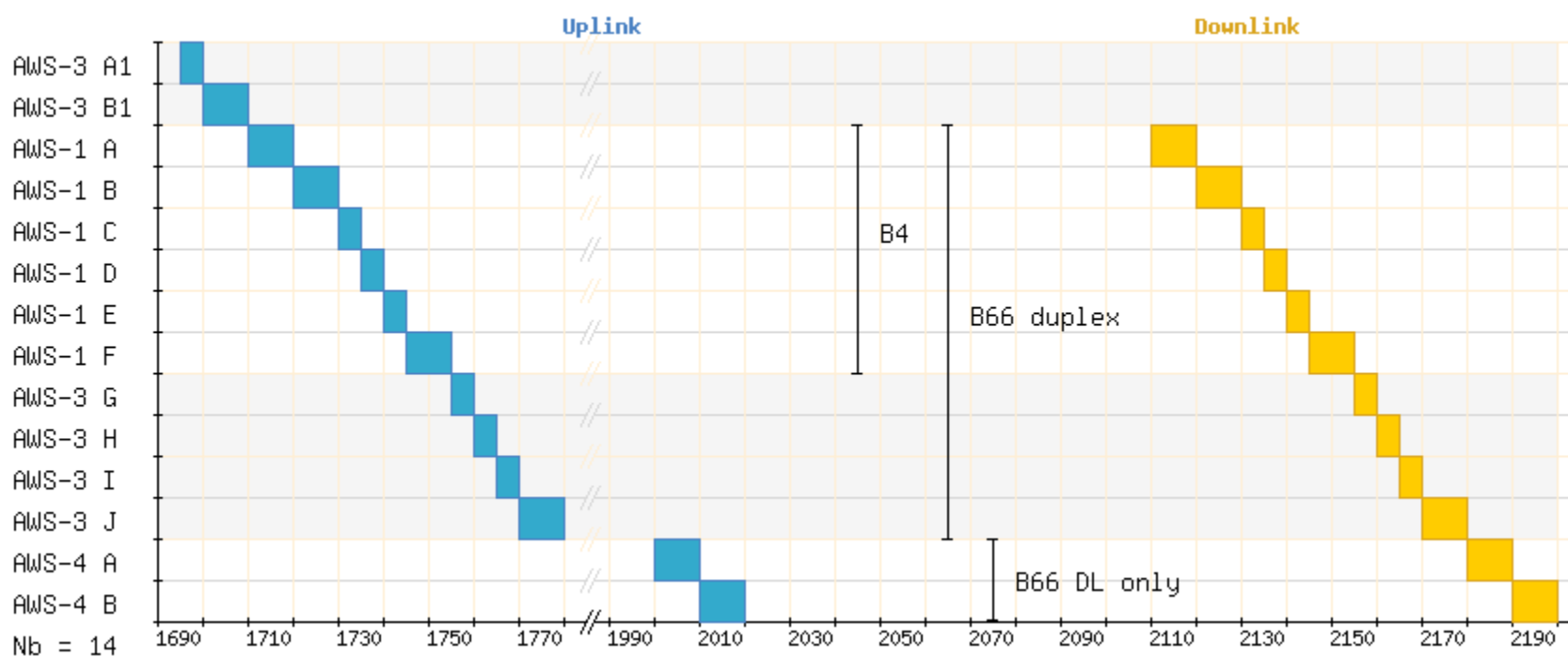
## 1900 MHz Personal Communications Service (PCS)



### EARFCN range for PCS B2 / B25

Block	F <sub>UL_low</sub> (MHz)	F <sub>DL_low</sub> (MHz)	Block bandwidth	Band 2		Band 25	
				N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range
A	1850	1930	15	18600 .. 18749	600 .. 749	26040 .. 26189	8040 .. 8189
D	1865	1945	5	18750 .. 18799	750 .. 799	26190 .. 26239	8190 .. 8239
B	1870	1950	15	18800 .. 18949	800 .. 949	26240 .. 26389	8240 .. 8389
E	1885	1965	5	18950 .. 18999	950 .. 999	26390 .. 26439	8390 .. 8439
F	1890	1970	5	19000 .. 19049	1000 .. 1049	26440 .. 26489	8440 .. 8489
C	1895	1975	15	19050 .. 19199	1050 .. 1199	26490 .. 26639	8490 .. 8639
G	1910	1990	5			26640 .. 26689	8640 .. 8689
H	1915	1995	5				

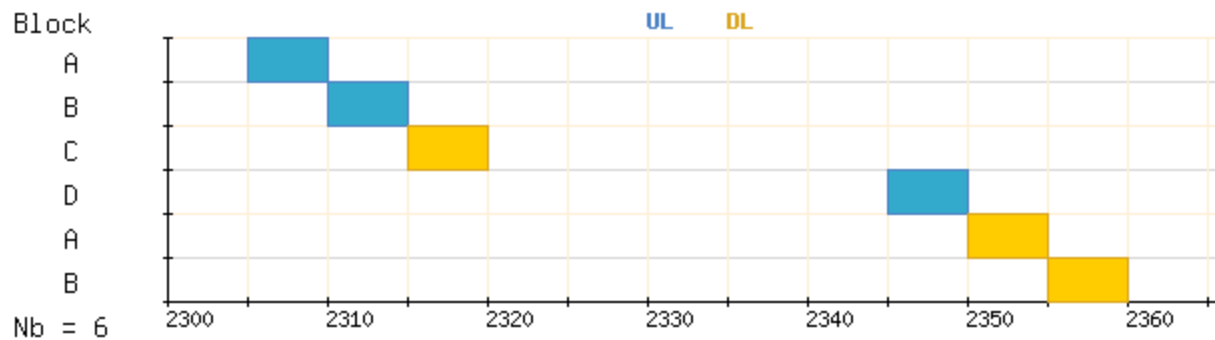
## Advanced Wireless Services (AWS)



### EARFCN range for AWS B4 / B10 / B66

Block	F <sub>UL_low</sub> (MHz)	F <sub>DL_low</sub> (MHz)	Block bandwidth	Band 4		Band 10		Band 66	
				N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range	N <sub>UL</sub> range	N <sub>DL</sub> range
A1	1695		5						
B1	1700		10						
A	1710	2110	10	19950 .. 20049	1950 .. 2049	22150 .. 22249	4150 .. 4249	131972 .. 132071	66436 .. 66535
B	1720	2120	10	20050 .. 20149	2050 .. 2149	22250 .. 22349	4250 .. 4349	132072 .. 132171	66536 .. 66635
C	1730	2130	5	20150 .. 20199	2150 .. 2199	22350 .. 22399	4350 .. 4399	132172 .. 132221	66636 .. 66685
D	1735	2135	5	20200 .. 20249	2200 .. 2249	22400 .. 22449	4400 .. 4449	132222 .. 132271	66686 .. 66735
E	1740	2140	5	20250 .. 20299	2250 .. 2299	22450 .. 22499	4450 .. 4499	132272 .. 132321	66736 .. 66785
F	1745	2145	10	20300 .. 20399	2300 .. 2399	22500 .. 22599	4500 .. 4599	132322 .. 132421	66786 .. 66885
G	1755	2155	5			22600 .. 22649	4600 .. 4649	132422 .. 132471	66886 .. 66935
H	1760	2160	5			22650 .. 22699	4650 .. 4699	132472 .. 132521	66936 .. 66985
I	1765	2165	5			22700 .. 22749	4700 .. 4749	132522 .. 132571	66986 .. 67035
J	1770	2170	10					132572 .. 132671	67036 .. 67135
A	2000	2180	10						67136 .. 67235
B	2010	2190	10						67236 .. 67335

## 2300 MHz Wireless Communications Services (WCS)

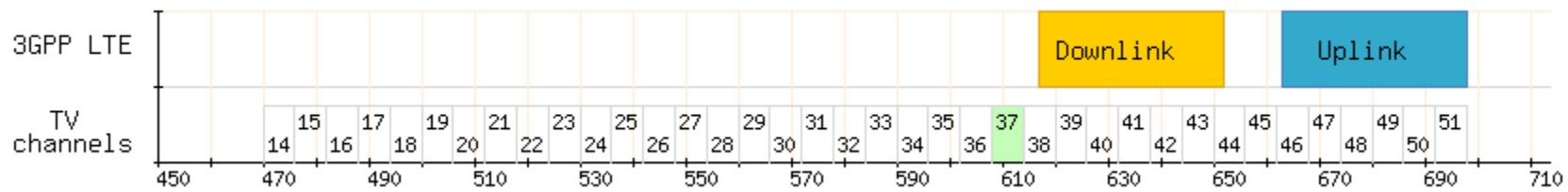


### EARFCN range for WCS B30

Block	F <sub>UL, low</sub> (MHz)	F <sub>DL, low</sub> (MHz)	Block bandwidth	Band 30	
				N <sub>UL</sub> range	N <sub>DL</sub> range
A	2305		5	27660 .. 27709	
B	2310		5	27710 .. 27759	
C		2315	5		
D	2345		5		
A		2350	5		9770 .. 9819
B		2355	5		9820 .. 9869

WCS blocks C and D are planned for Airplane to Ground traffic

### 600 MHz broadcast television UHF band



Channel 37 is reserved for radio astronomy

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