

# LG Space

[Home](#)
[LTE frequency](#)
[LTE bandwidth](#)
[UMTS frequency](#)
[GSM frequency](#)
[CDMA frequency](#)
[Frequency search](#)

- Spectrum
- [U.S. FCC 700MHz](#)
- [U.S. FCC PCS](#)
- [U.S. AWS](#)
- [LTE FDD](#)
- [LTE TDD](#)

## EARFCN calculator

Absolute radio-frequency channel number

Earfcn  Bandwidth  No check

Frequency

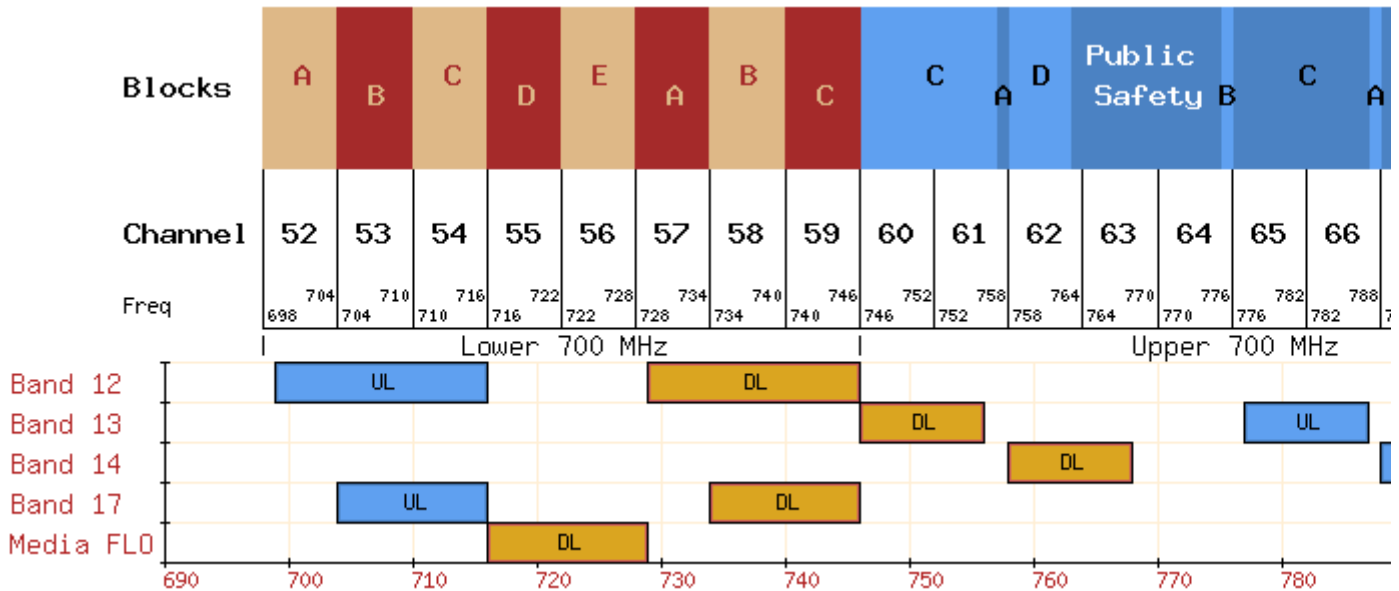
Frequency  Band

## E-UTRA frequency band (36.101)

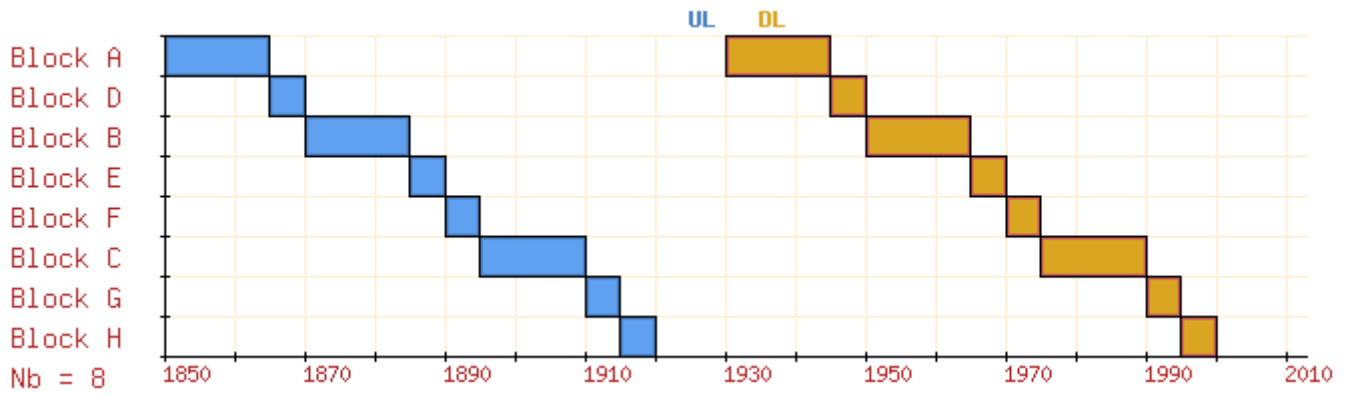
Band Name	Downlink low (MHz) Earfcn	Downlink high (MHz) Earfcn	Uplink low (MHz) Earfcn	Uplink high (MHz) Earfcn	Bandwidth (MHz)	Duplex spacing	Equivalent UMTS band
<b>1</b> 2.1 GHz	2110 0	2170 599	1920 18000	1980 18599	60	190 MHz	1
<b>2</b> PCS 1900	1930 600	1990 1199	1850 18600	1910 19199	60	80 MHz	2
<b>3</b> DCS 1800	1805 1200	1880 1949	1710 19200	1785 19949	75	95 MHz	3
<b>4</b> AWS	2110 1950	2155 2399	1710 19950	1755 20399	45	400 MHz	4
<b>5</b> 850 MHz	869 2400	894 2649	824 20400	849 20649	25	45 MHz	5
<b>6</b> UTRA only	875 2650	885 2749	830 20650	840 20749	10	45 MHz	6
<b>7</b> 2.6 GHz	2620 2750	2690 3449	2500 20750	2570 21449	70	120 MHz	7
<b>8</b> 900 MHz	925 3450	960 3799	880 21450	915 21799	35	45 MHz	8
<b>9</b> 1700 MHz	1844.9 3800	1879.9 4149	1749.9 21800	1784.9 22149	35	95 MHz	9
<b>10</b> Extended AWS	2110 4150	2170 4749	1710 22150	1770 22749	60	400 MHz	10
<b>11</b> 1.5 GHz Lower	1475.9 4750	1495.9 4949	1427.9 22750	1447.9 22949	20	48 MHz	11
<b>12</b> 700 MHz Lower, A+B+C	729 5010	746 5179	699 23010	716 23179	17	30 MHz	12
<b>13</b> 700 MHz Upper	746 5180	756 5279	777 23180	787 23279	10	-31 MHz	13
<b>14</b> Public Safety	758 5280	768 5379	788 23280	798 23379	10	-30 MHz	14

Band Name	Downlink low (MHz) Earfcn	Downlink high (MHz) Earfcn	Uplink low (MHz) Earfcn	Uplink high (MHz) Earfcn	Bandwidth (MHz)	Duplex spacing	Equivalent UMTS band
<b>17</b> 700 MHz Lower, B+C	734 5730	746 5849	704 23730	716 23849	12	30 MHz	
<b>18</b> Japan 800 MHz lower	860 5850	875 5999	815 23850	830 23999	15	45 MHz	
<b>19</b> Japan 800 MHz upper	875 6000	890 6149	830 24000	845 24149	15	45 MHz	19
<b>20</b> 800 MHz EDD	791 6150	821 6449	832 24150	862 24449	30	-41 MHz	20
<b>21</b> 1.5 GHz Upper	1495.9 6450	1510.9 6599	1447.9 24450	1462.9 24599	15	48 MHz	21
<b>22</b> 3.5 Ghz	3510 6600	3590 7399	3410 24600	3490 25399	80	100 MHz	22
<b>23</b> 2 GHz S-Band	2180 7500	2200 7699	2000 25500	2020 25699	20	180 MHz	
<b>24</b> L Band	1525 7700	1559 8039	1626.5 25700	1660.5 26039	34	-101.5 MHz	
<b>25</b> PCS 1900 + G Block	1930 8040	1995 8689	1850 26040	1915 26689	65	80 MHz	25
<b>26</b> 800 MHz iDEN	859 8690	894 9039	814 26690	849 27039	35	45 MHz	26
<b>27</b> 850 MHz lower	852 9040	869 9209	807 27040	824 27209	17	45 MHz	
<b>28</b> 700 MHz APAC	758 9210	803 9659	703 27210	748 27659	45	55 MHz	
<b>33</b> TDD 2000	1900 36000	1920 36199			20	Tdd	
<b>34</b> TDD 2000	2010 36200	2025 36349			15	Tdd	
<b>35</b> TDD 1900	1850 36350	1910 36949			60	Tdd	
<b>36</b> TDD 1900	1930 36950	1990 37549			60	Tdd	
<b>37</b> TDD PCS	1910 37550	1930 37749			20	Tdd	
<b>38</b> TDD 2.6 GHz	2570 37750	2620 38249			50	Tdd	
<b>39</b> China TDD 1.9 GHz	1880 38250	1920 38649			40	Tdd	
<b>40</b> China TDD 2.3 GHz	2300 38650	2400 39649			100	Tdd	
<b>41</b> TDD 2.5 GHz	2496 39650	2690 41589			194	Tdd	
<b>42</b> TDD 3.4 GHz	3400 41590	3600 43589			200	Tdd	
<b>43</b> TDD 3.6 GHz	3600 43590	3800 45589			200	Tdd	
<b>44</b> 700 MHz APAC	703 45590	803 46589			100	Tdd	

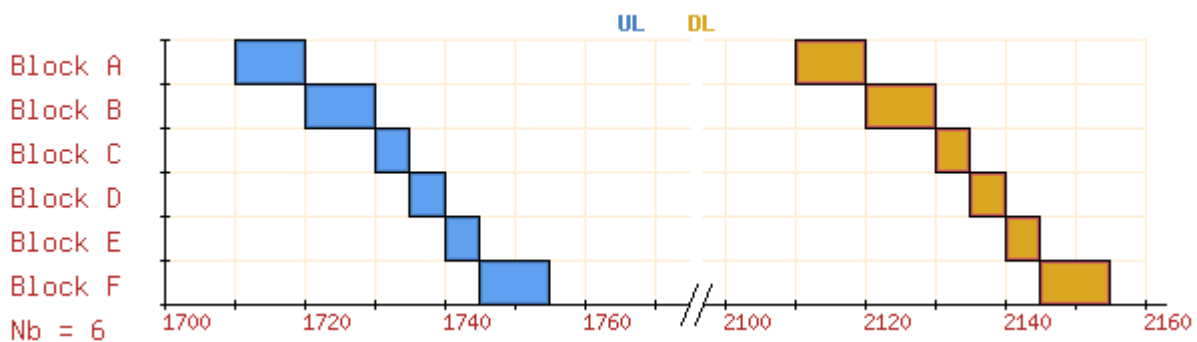
# U.S. FCC 700MHz band plan for commercial services



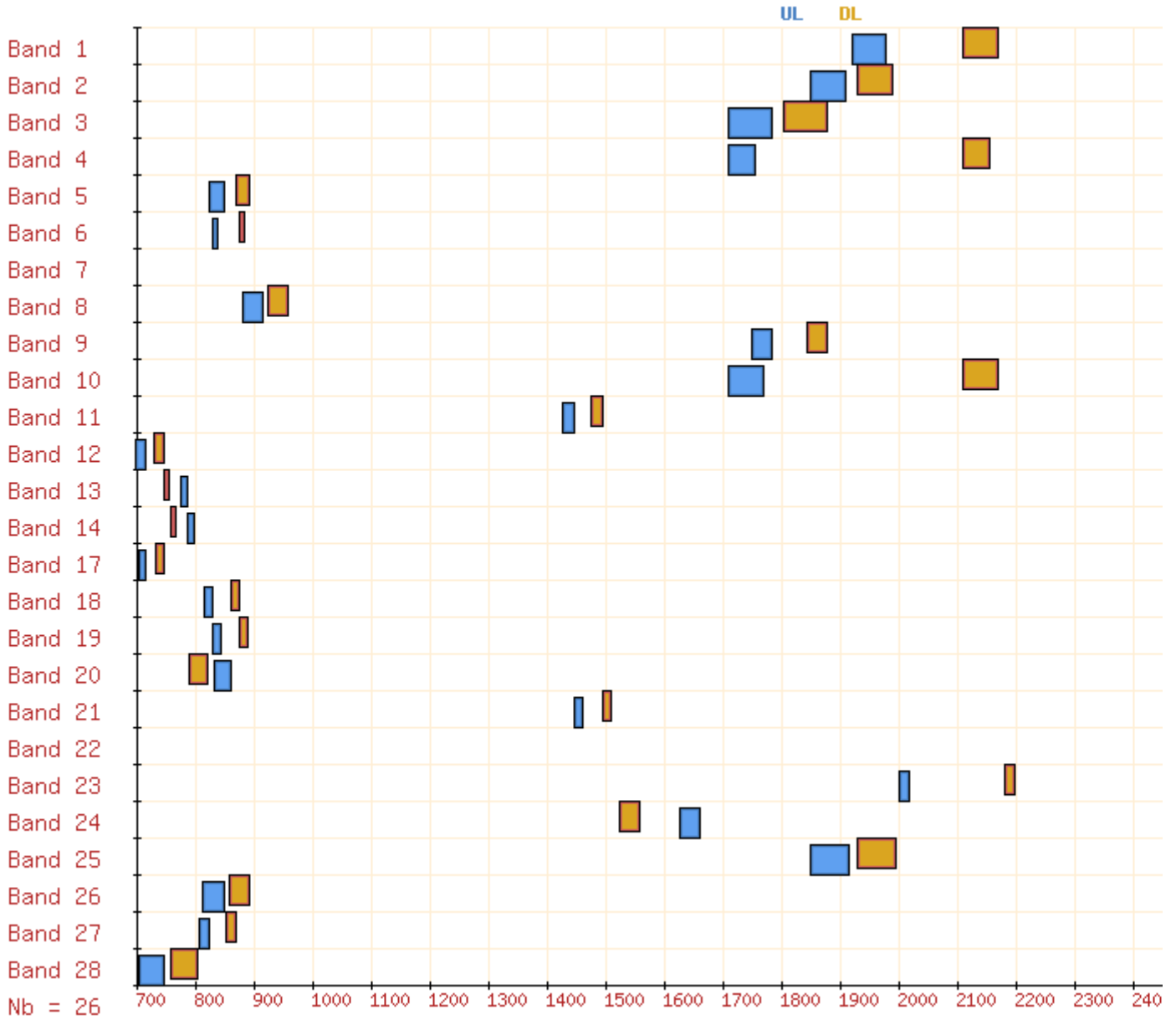
# U.S. FCC broadband PCS band plan



# U.S. Advanced Wireless Services (AWS-1) band plan



# LTE FDD spectrum



# LTE TDD spectrum

