

WHAT FREQUENCIES ARE USED BY DIFFERENT SERVICES?

In the United States, broadcasting frequencies are regulated by the FCC. When information is sent over a wire, it also has a frequency. Information sent over a wire isn't regulated the same way, so signals sent over a wire can interfere with each other.

Type of Broadcast	Used For	Start	End
Shortwave Radio	Radio	1.5	30
DIRECTV SWM Control Frequency	Satellite	2.3	2.3
VHF Low (Channels 2-6)	Television	76	86
FM Radio	Radio	87	107
VHF High (Channels 7-13)	Television	174	216
First Responder/Municipal Radio	Government	220	460
DIRECTV "B Band" (mostly HD)	Satellite	250	750
DIRECTV Coax Networking	Satellite	475	625
UHF Channels 14-36	Television	470	608
UHF Channels 38-51 (until 2019)	Television	614	698
Next-Generation LTE Services	Cellular	614	698
Radio Astronomy	Government	608	614
AT&T LTE Services	Cellular	704	716
AT&T LTE Services (Secondary)	Cellular	734	746
Verizon LTE Services (Secondary)	Cellular	746	756
First Responder Vehicle Radios	Government	770	775

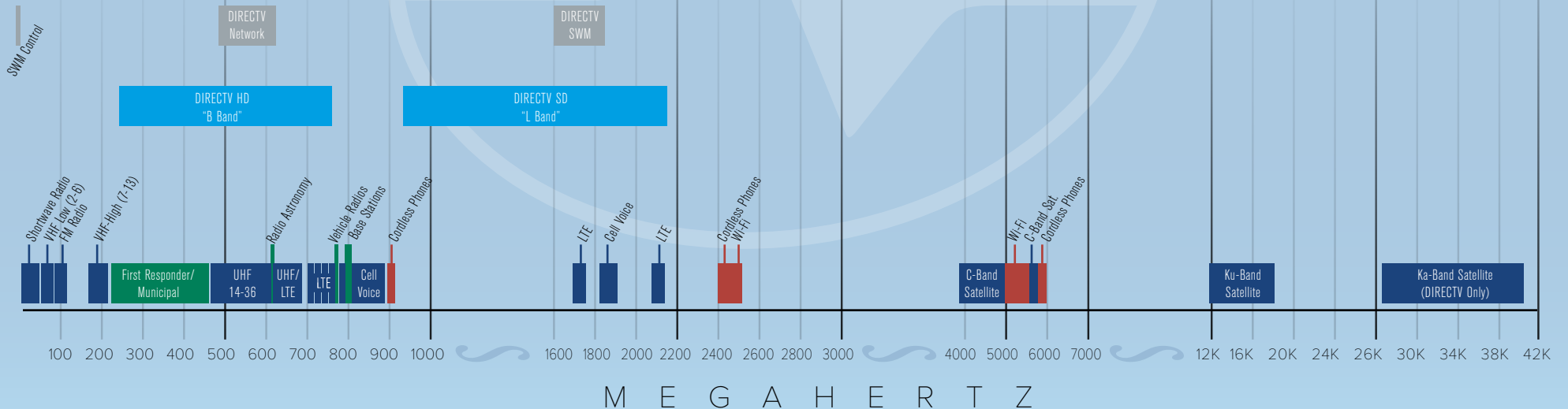
Type of Broadcast	Used For	Start	End
Verizon LTE Services	Cellular	777	787
First Responder Base Stations	Government	800	815
Cellular Voice (all carriers)	Cellular	824	894
Cordless Phone (older phones)	Home Use	902	928
DIRECTV SWM	Satellite	1600	1840
DIRECTV "L Band" (mostly SD)	Satellite	1650	2150
AWS LTE Services (all carriers)	Cellular	1710	1755
Cellular Voice (all carriers)	Cellular	1850	1910
AWS LTE Services (all carriers)	Cellular	2110	2155
Cordless Phone (newer phones)	Home Use	2400	2500
Wi-Fi (all standards)	Home Use	2400	2500
Large dishes "C-Band" (obsolete)	Satellite	3900	6200
Wi-Fi (802.11n and 802.11ac only)	Home Use	5000	5100
Cordless Phone (extended range)	Home Use	5800	5900
Ku-Band (All satellite carriers)	Satellite	12000	18000
Ka-Band (DIRECTV Only)	Satellite	26500	40000

NOTES

All frequency ranges are shown in Megahertz (MHz.)

Frequencies not shown are for non-public or unlicensed use.

Frequency ranges are rounded to the nearest megahertz.



LEGEND

- Public Broadcasts (Radio/Television/Cell/Satellite)
- Government Broadcasts
- In-Home/Short-Range Broadcasts
- In-Home Satellite Wiring (Legacy)
- In-Home DIRECTV SWM Wiring

