

Sheet1

The Electromagnetic Spectrum: Where Wireless Fits In

FREQUENCY (in megahertz)

Start of range	End of range
0.000	0.000
0.200	0.217
0.530	1.600
87.900	108.000
470.000	512.000
512.000	608.000
608.000	614.000
614.000	806.000
824.000	849.000
869.000	894.000
896.000	901.000
902.000	928.000
902.000	928.000
902.000	928.000
902.000	928.000
902.000	928.000
902.000	928.000
902.000	928.000
960.000	1215.000
1559.000	1625.500
* 1,850.000	1990.000
2400.000	2450.000
2400.000	2483.500
2700.000	2900.000
18000.000	19000.000
18000.000	19000.000
344827586.207	
389610389.610	491803278.689
652173913.043	789473684.211

* This frequency is presently reserved for more than 8,100 uses, including those of the power, petroleum, and railroad industries and of local government.

Electrical current, wall outlet
CarrierNET (Carrier Current Technologies)
AM radio
FM radio
TV channels 14 to 20
TV channels 21 to 36
Radio astronomy (one of several channels)
TV channels 37 to 69
Cellular phones, mobile radio networks
Cellular phones
Cordless phones
WaveLAN (NCR Corp.)
ARLAN 600 series (Telesystems SLW)
RadioLink (California Microwave)
LAWN (O'Neill Communications)
Industrial/scientific/security/medical use
Radiolocation
Amateur radio
Air traffic (worldwide)
Air traffic (worldwide)
Data-PCS frequency (proposed)
Amateur radio, radiolocation
RadioLink (California Microwave)
Doppler weather radar
Altair (Motorola)
FCC Digital Termination Services (DTS)
InfraLAN (BICC Communications)
(870 nanometers)
Visible red
(770 nm. to 610 nm.)
Visible violet
(460 nm. to 380 nm.)