
FREQUENCY RANGE (or fixed frequency):

13.56 MHz~ 13.56 MHz
2402 MHz ~2480 MHz
2412 MHz ~2462 MHz
5745 MHz ~5825 MHz
5180 MHz ~5240 MHz
5260 MHz~ 5320 MHz
5500 MHz~ 5700 MHz
826.4 MHz ~846.6 MHz
1852.4 MHz ~1907.6 MHz
1710.7 MHz ~1754.3 MHz
1711.5 MHz ~ 1753.5 MHz
1712.5 MHz ~ 1752.5 MHz
1715.0 MHz ~ 1750.0 MHz
1717.5 MHz ~ 1747.5 MHz
1720.0 MHz ~ 1745.0 MHz
706.5 MHz ~ 713.5 MHz
709.0 MHz ~ 711.0 MHz

RF POWER IN WATTS:

0.0074 Watts (Bluetooth)
0.0912 Watts (802.11b)
0.2460 Watts (802.11g)
0.2421 Watts (802.11n/ BW 20MHz)
0.1626 Watts (Band IV/ 802.11a)
0.1762 Watts (Band IV/ 802.11n/ BW 20MHz)
0.0234 Watts (Band I/ 802.11a)
0.0246 Watts (Band I/ 802.11n/ BW 20MHz)
0.0258 Watts (Band II/ 802.11a)
0.0241 Watts (Band II/ 802.11n/ BW 20MHz)
0.0237 Watts (Band III/ 802.11a)
0.0224 Watts (Band III/ 802.11n/ BW 20MHz)
0.124 Watts (WCDMA Band V)
0.163 Watts (WCDMA Band II)
0.07 Watts (LTE Band 4 QPSK, BW 1.4MHz)
0.04 Watts (LTE Band 4 16-QAM, BW 1.4MHz)
0.08 Watts (LTE Band 4 QPSK, BW 3MHz)
0.05 Watts (LTE Band 4 16-QAM, BW 3MHz)
0.06 Watts (LTE Band 4 QPSK, BW 5MHz)
0.06 Watts (LTE Band 4 16-QAM, BW 5MHz)
0.09 Watts (LTE Band 4 QPSK, BW 10MHz)
0.08 Watts (LTE Band 4 16-QAM, BW 10MHz)
0.08 Watts (LTE Band 4 QPSK, BW 15MHz)
0.07 Watts (LTE Band 4 16-QAM, BW 15MHz)
0.09 Watts (LTE Band 4 QPSK, BW 20MHz)
0.07 Watts (LTE Band 4 16-QAM, BW 20MHz)
0.08 Watts (LTE Band 17 QPSK, BW 5MHz)
0.07 Watts (LTE Band 17 16-QAM, BW 5MHz)
0.09 Watts (LTE Band 17 QPSK, BW 10MHz)
0.07 Watts (LTE Band 17 16-QAM, BW 10MHz)

FIELD STRENGTH (at what distance):

71.48 dBuV/m at 1m (NFC)

OCCUPIED BANDWIDTH (99% BW):

5.58 kHz (NFC)
1196 kHz (Bluetooth)
14150 kHz (802.11b)
18050 kHz (802.11g)
19050 kHz (802.11n/ BW 20MHz)
17800 kHz (Band IV/ 802.11a)
18900 kHz (Band IV/ 802.11n/ BW 20MHz)
16805.8 kHz (Band I/ 802.11a)
17947.4 kHz (Band I/ 802.11n/ BW 20MHz)
16756.5 kHz (Band II/ 802.11a)
17907.7 kHz (Band II/ 802.11n/ BW 20MHz)
16780.6 kHz (Band III/ 802.11a)
17933.2 kHz (Band III/ 802.11n/ BW 20MHz)
4160 kHz (WCDMA Band V)
4160 kHz (WCDMA Band II)
1097.6 kHz (LTE Band 4 QPSK, BW 1.4MHz)
1103.2 kHz (LTE Band 4 16-QAM, BW 1.4MHz)
2736 kHz (LTE Band 4 QPSK, BW 3MHz)
2736 kHz (LTE Band 4 16-QAM, BW 3MHz)
4520 kHz (LTE Band 4 QPSK, BW 5MHz)
4520 kHz (LTE Band 4 16-QAM, BW 5MHz)
9120 kHz (LTE Band 4 QPSK, BW 10MHz)
9120 kHz (LTE Band 4 16-QAM, BW 10MHz)
13620 kHz (LTE Band 4 QPSK, BW 15MHz)
13560 kHz (LTE Band 4 16-QAM, BW 15MHz)
18720 kHz (LTE Band 4 QPSK, BW 20MHz)
18720 kHz (LTE Band 4 16-QAM, BW 20MHz)
4480 kHz (LTE Band 17 QPSK, BW 5MHz)
4480 kHz (LTE Band 17 16-QAM, BW 5MHz)
9080 kHz (LTE Band 17 QPSK, BW 10MHz)
9080 kHz (LTE Band 17 16-QAM, BW 10MHz)

TYPE OF MODULATION:

ASK
GFSK
 $\pi/4$ -DQPSK
8-DPSK
DSSS (BPSK / QPSK / CCK)
OFDM (BPSK / QPSK / 16QAM / 64QAM)
QPSK

EMISSION DESIGNATOR (TRC-43):

1M20G1D (Bluetooth)
14M2G1D (802.11b)
18M1D1D (802.11g)
19M1D1D (802.11n/ BW 20MHz)
17M8D1D (Band IV/ 802.11a)
18M9D1D (Band IV/ 802.11n/ BW 20MHz)

16M8D1D (Band I/ 802.11a)
17M9D1D (Band I/ 802.11n/ BW 20MHz)
16M8D1D (Band II/ 802.11a)
17M9D1D (Band II/ 802.11n/ BW 20MHz)
16M8D1D (Band III/ 802.11a)
17M9D1D (Band III/ 802.11n/ BW 20MHz)
4M16F9W (WCDMA Band V)
4M16F9W (WCDMA Band II)
1M09G7D (LTE Band 4 QPSK, BW 1.4MHz)
1M10D7W (LTE Band 4 16-QAM, BW 1.4MHz)
2M7DG7D (LTE Band 4 QPSK, BW 3MHz)
2M74D7W (LTE Band 4 16-QAM, BW 3MHz)
4M52G7D (LTE Band 4 QPSK, BW 5MHz)
4M52D7W (LTE Band 4 16-QAM, BW 5MHz)
9M12G7D (LTE Band 4 QPSK, BW 10MHz)
9M12D7W (LTE Band 4 16-QAM, BW 10MHz)
13M6G7D (LTE Band 4 QPSK, BW 15MHz)
13M6D7W (LTE Band 4 16-QAM, BW 15MHz)
18M7G7D (LTE Band 4 QPSK, BW 20MHz)
18M7D7W (LTE Band 4 16-QAM, BW 20MHz)
4M48G7D (LTE Band 17 QPSK, BW 5MHz)
4M48D7W (LTE Band 17 16-QAM, BW 5MHz)
9M08G7D (LTE Band 17 QPSK, BW 10MHz)
9M08D7W (LTE Band 17 16-QAM, BW 10MHz)

TRANSMITTER SPURIOUS (worst case):

71.48 dBuV/m (NFC)
68.48 dBuV/m (Bluetooth)
34.37 dBuV/m (802.11b)
72.91 dBuV/m (802.11g)
72.6 dBuV/m (802.11n/ BW 20MHz)
30.57 dBuV/m (Band IV/ 802.11a)
26.54 dBuV/m (Band IV/ 802.11n/ BW 20MHz)
42.98 dBuV/m (Band I/ 802.11a)
42.63 dBuV/m (Band I/ 802.11n/ BW 20MHz)
46.22 dBuV/m (Band II/ 802.11a)
48.29 dBuV/m (Band II/ 802.11n/ BW 20MHz)
57.16 dBuV/m (Band III/ 802.11a)
58.46 dBuV/m (Band III/ 802.11n/ BW 20MHz)
49.60dBm (WCDMA Band V)
39.78 dBm (WCDMA Band II)
35.13dBm (LTE Band 4/ BW 1.4MHz)
33.30 dBm (LTE Band 4/ BW 3MHz)
28.38 dBm (LTE Band 4/ BW 5MHz)
29.08 dBm (LTE Band 4/ BW 10MHz)
30.87 dBm (LTE Band 4/ BW 15MHz)
33.29 dBm (LTE Band 4/ BW 20MHz)
43.10 dBm (LTE Band 17/ BW 5MHz)
42.74 dBm (LTE Band 17/ BW 10MHz)