

RF Exposure (FCC ID: 2AAM5TPC7026C)

Applicable Standard

According to §1.1307(b)(5), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission’s guideline. This is a Portable device. **KDB447498 D01 V05 was used as the guidance.**

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

| MHz | 5 | 10 | 15 | 20 | 25 | mm |
|------|----|----|-----|-----|-----|---|
| 150 | 39 | 77 | 116 | 155 | 194 | SAR Test Exclusion Threshold (mW) |
| 300 | 27 | 55 | 82 | 110 | 137 | |
| 450 | 22 | 45 | 67 | 89 | 112 | |
| 835 | 16 | 33 | 49 | 66 | 82 | |
| 900 | 16 | 32 | 47 | 63 | 79 | |
| 1500 | 12 | 24 | 37 | 49 | 61 | |
| 1900 | 11 | 22 | 33 | 44 | 54 | |
| 2450 | 10 | 19 | 29 | 38 | 48 | |
| 3600 | 8 | 16 | 24 | 32 | 40 | |
| 5200 | 7 | 13 | 20 | 26 | 33 | |
| 5400 | 6 | 13 | 19 | 26 | 32 | |
| 5800 | 6 | 12 | 19 | 25 | 31 | |

Maximum measured transmitter Conducted Power: 802.11b

| Maximum Peak Conducted Power (dBm) | Maximum Conducted Power (AV) (dBm) | Maximum Conducted Power (mW) |
|---|---|-------------------------------------|
| 10.41 | 8.36 | 6.85 |

Maximum measured transmitter Conducted Power: 802.11g

| Maximum Peak Conducted Power (dBm) | Maximum Conducted Power (AV) (dBm) | Maximum Conducted Power (mW) |
|---|---|-------------------------------------|
| 11.96 | 9.93 | 9.84 |

Maximum measured transmitter Conducted Power: 802.11n HT20

| Maximum Peak Conducted Power (dBm) | Maximum Conducted Power (AV) (dBm) | Maximum Conducted Power (mW) |
|---|---|-------------------------------------|
| 10.28 | 8.24 | 6.67 |

Refer to 447498 25 D01 General RF Exposure Guidance v05 Appendix A, you see that for Maximum Conducted Output Power 9.84mW (<10mW), so no SAR is required.