

FCC ID: XFM-B843Q

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]^*$
 $[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

$f(\text{GHz})$ is the RF channel transmit frequency in GHz;

Power and distance are rounded to the nearest mW and mm before calculation;

The result is rounded to one decimal place for comparison;

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz.

We used a distance 50m to calculated

Maximum measured transmitter power:

| Transmit Frequency (GHz) | Mode | Max Conducted Power (dBm) | Result calculation | 1-g SAR |
|--------------------------|--------------|---------------------------|--------------------|---------|
| 2.412 | 802.11b | 9.77 | 0.29 | 3.0 |
| 2.412 | 802.11g | 7.66 | 0.18 | 3.0 |
| 2.437 | 802.11n HT20 | 7.58 | 0.18 | 3.0 |
| 2.452 | 802.11n HT40 | 7.34 | 0.17 | 3.0 |
| 2.441 | Bluetooth | 3.23 | 0.07 | 3.0 |

Conclusion:

For the max result 802.11b: 0.29 ≤ 3.0 for 1-g SAR extremity SAR, No SAR is required.

Sincerely,



Signature

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