

Safety Human exposure

Radio Frequency Exposure Compliance

Electromagnetic Fields

RESULT:
Passed

Test standard : FCC KDB Publication 447498
 FCC 1.1310

According to KDB447498 D01 General RF Exposure Guidance V05r02:

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. A distance of 10 mm is applied to determine SAR test exclusion.

The maximum measured Bluetooth transmitter power (Average) is the following:

Transmit Frequency (GHz)	Max Conducted Power (dBm)	Result Calculation	1-g SAR
2.48	9.89	1.21	3.0

Conclusion:

For the max result $1.21 < 3$ for 1-g SAR extremity SAR, hence no SAR is required.