

47 C.F.R. Part 1, Subpart I, Section 1.1310
47 C.F.R. Part 2, Subpart J, Section 2.1091
KDB 447498 D01 General RF Exposure Guidance v06
Maximum Permissible Exposure Calculations

For iTOVi, Inc.
FCC ID: 2AGL3-BTMV2

Bluetooth LE Transceiver

EUT Device Category = General Population/Uncontrolled Exposure

EUT consists of one ISM band radio transmitting operating over a range of:
2402 MHz to 2480 MHz

MPE Summary:

According subpart 1.1307 (b)(1) and 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

For frequencies from 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$((\text{max power} + \text{tune up tolerance, mW}) / (\text{min separation, mm})) * \sqrt{f_{\text{GHz}}} \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g SAR

MPE and Limit are calculated as follows:

Frequency (GHz)	Max Power (mW)	Separation (mm)	Density	Limit 1-g	Result	Limit 10-g	Result
2.402	0.17	5	0.36	3.0	EXEMPT	7.5	EXEMPT
2.440	0.20	5	0.37	3.0	EXEMPT	7.5	EXEMPT
2.480	0.23	5	0.39	3.0	EXEMPT	7.5	EXEMPT

Result: The device meets SAR exclusion thresholds for General Population/Uncontrolled Exposure as specified in 47 CRF §1.1310, §2.1091, and KDB 447498.