

FCC ID : VO8-T92

Bluetooth (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 KDB 447498 (2)(a)(i)

Frequency Range		Center frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2402	2480	2441	24.5

Maximum measured transmitter power:

For 1Mbps:

Conducted Power (mW)	Max Antenna Gain	EIRP (mW)
1.615	1.80dBi or 1.514 numeric	2.445
1.250	1.80dBi or 1.514 numeric	1.893
0.916	1.80dBi or 1.514 numeric	1.387

For 3Mbps:

Conducted Power (mW)	Max Antenna Gain	EIRP (mW)
1.656	1.80dBi or 1.514 numeric	2.507
1.271	1.80dBi or 1.514 numeric	1.924
0.995	1.80dBi or 1.514 numeric	1.506

Remark: $EIRP = P \cdot G = 1.615 \cdot 1.514 = 2.445 \text{ mW}$

Threshold at which no SAR required is 25 mw.

Maximum Tx power is 2.507 mw EIRP.

Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

Signature

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