

# FCC ID: VBM-TBDB863B

## WLAN (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

Frequency Range		Center frequency (MHz)	Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2412	2462	2437	10.mw

BT:

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
0.90	1.23	2	1.95

WIFI:

Maximum measured transmitter power: 802.11b

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
7.57	5.71	2	9.06

Maximum measured transmitter power: 802.11g

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
6.65	4.62	2	7.33

Maximum measured transmitter power: 802.11n

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
7.36	5.45	2	8.63

For the Tune Up information from the applicant, the maximum output power is 1.51mW, so the worst case of Conducted Power and EIRP will be still less than FCC SAR exemption threshold.

Threshold at which no SAR required is 10mw.

Maximum Tx power is 9.06mw EIRP

**Conclusion:** No SAR is required.

Sincerely,

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