

## 12. Radio Frequency Exposure

#### **12.1 Applicable Standards**

	The available maximum time-averaged power is no more than 1 mW,						
§1.1307(b)(3)(i)(A)							
311001(0)(0)(1)(1)	regardless of separation distance.						
□ §1.1307(b)(3)(i)(c)	ERP is below a threshold calculated based on the distance, R between the person and the antenna / radiating structure, where R > $\lambda$ /2 $\pi$ . TABLE B.1—THRESHOLDS FOR SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION <b>RF Source</b> Minimum Distance Threshold ERP <u>fL MHz</u> <u>fH</u> $\lambda_L/2\pi$ $\lambda_H/2\pi$ W 0.3 - 1.34 159 m - 35.6 m 1,920 R <sup>2</sup> 1.34 - 30 35.6 m - 1.6 m 3,450 R <sup>2</sup> /f <sup>2</sup> 30 - 300 1.6 m - 159 mm 3.83 R <sup>2</sup> 300 - 1,500 159 mm - 31.8 mm 0.0128 R <sup>2</sup> f 1,500 - 100,00 31.8 mm - 0.5 mm 19.2R <sup>2</sup>						
⊠ § 1.1307(b)(3)(i)(B).							



### 12.2 EUT Specification

	🗌 WLAN: 2412MHz ~ 2462MHz				
	🗌 WLAN: 5150MHz ~ 5250MHz				
Frequency band	🗌 WLAN: 5250MHz ~ 5350MHz				
(Operating)	🗌 WLAN: 5470MHz ~ 5725MHz				
	🗌 WLAN: 5725MHz ~ 5850MHz				
	Bluetooth: 2402MHz ~ 2480MHz				
Device category	Portable (<20cm separation)				
	Mobile (>20cm separation)				
	Single antenna				
	Multiple antennas				
Antenna diversity	Tx diversity				
	Rx diversity				
	Tx/Rx diversity				
	Blanket 1 mW Blanket Exemption				
Evaluation applied	MPE-based Exemption				
	SAR-based Exemption				
Remark:					

# The maximum conducted output power is <u>7.48dBm (5.598mW)</u> at <u>2480MHz</u> (with <u>0dBi</u> antenna gain.)

#### 12.3 Test Result

Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Antenna Gain (dBi)	Max.Tune up e.r.p. Power (dBm)	Max. Tune up e.r.p power (mW)	Limit (mW)
2402-2480	7.48	7.98	0.00	5.83	3.83	3060

No non-compliance noted.

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