

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)	regardless of separation distance.								
□ §1.1307(b)(3)(i)(c)	$\begin{array}{r llllllllllllllllllllllllllllllllllll$								
⊠ § 1.1307(b)(3)(i)(B).	Device operates between 300 MHz and 6 GHz and the maximum time-averaged power or effective radiated power (ERP), whichever is greater, <= Pth $P_{th} (mW) = \begin{cases} ERP_{20} cm (d/20 cm)^{x} & d \le 20 cm \\ ERP_{20} cm & 20 cm < d \le 40 cm \end{cases}$ Where $x = -\log_{10} \left(\frac{60}{ERP_{20} cm \sqrt{f}}\right) \text{ and } f \text{ is in GHz};$ and $ERP_{20} cm (mW) = \begin{cases} 2040f & 0.3 \text{ GHz} \le f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \le f \le 6 \text{ GHz} \end{cases}$								



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						
Dovice esteriory	Portable (<20cm separation)						
Device category	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 10.41dBm (9.46mW) at 2402MHz (with 1.0dBi							
The maximum conducted output power is 10.770 mm $(9.40$ mm) at 2402 mm 2 (with 1.00 mm)							

antenna gain.)

12.3 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	10.41	10.91	1	9.76	9.46	3060

No non-compliance noted.

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