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.							
	ERP is below a threshold calculated based on the distance , R between the person and the antenna / radiating structure, where R > λ /2 π . TABLE B.1—THRESHOLDS FOR SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION							
	RF Source Minimum Distance Threshold ERP							
	$f_{ m L}$ MHz $f_{ m H}$ $\lambda_{ m L}/2\pi$ $\lambda_{ m H}/2\pi$ W							
§1.1307(b)(3)(i)(c)	0.3 - 1.34 159 m - 35.6 m 1,920 R ²							
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							
	30 - 300 1.6 m - 159 mm 3.83 R ²							
	300 - 1,500 159 mm - 31.8 mm 0.0128 R ² f 1,500 - 100,00 31.8 mm - 0.5 mm 19.2R ²							
	Subscripts L and H are low and high; λ is wavelength. From § 1.1307(b)(3)(i)(C), modified by adding Minimum Distance columns.							
	Device operates between 300 MHz and 6 GHz and the maximum time-averaged							
	power or effective radiated power (ERP), whichever is greater, <= Pth							
	$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 cm} (d/20 \text{ cm})^x & d \le 20 \text{ cm} \\ ERP_{20 cm} & 20 \text{ cm} < d \le 40 \text{ cm} \end{cases}$							
	Where							
§ 1.1307(b)(3)(i)(B).	$x = -\log_{10}\left(rac{60}{ERP_{20\;cm}\sqrt{f}} ight)$ and f is in GHz;							
	and							
	$ERP_{20\ cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$							
	<pre>d = the separation distance (cm);</pre>							

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12.2 EUT Specification

	☐ WLAN: 2412MHz ~ 2462MHz				
	WLAN: 5150MHz ~ 5250MHz				
Frequency band					
(Operating)	☐ WLAN: 5470MHz ~ 5725MHz				
	☐ WLAN: 5725MHz ~ 5850MHz				
	Bluetooth: 2402MHz ~ 2480MHz				
Device category	☐ Portable (<20cm separation)				
Device category					
	Single antenna				
Antenna diversity	☐ Tx diversity				
•	Rx diversity				
	Tx/Rx diversity				
	☐ Blanket 1 mW Blanket Exemption				
Evaluation applied					
	☐ SAR-based Exemption				
Remark:					
The maximum conducte antenna gain.)	ed output power is 10.57dBm (11.40mW) at 2480MHz (with 3.0dBi				

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)
2402-2480	9.22	9.72	3.00	10.57	11.40	3060

No non-compliance noted.

-----THE END OF REPORT-----

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