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							
	Frequency ERP							
	$egin{array}{ c c c c c c c c c c c c c c c c c c c$							
§1.1307(b)(3)(i)(c)	0.3 - 1.34 159 m - 35.6 m 1,920 R ²							
	1.34 - 30 35.6 m - 1.6 m $3,450 \mathrm{R}^2/f^2$							
	30 - 300 1.6 m - 159 mm 3.83 R ²							
	300 - 1,500 159 mm - 31.8 mm 0.0128 R ² f							
	$\begin{bmatrix} 1,500 & - & 100,00 & 31.8 \text{ mm} & - & 0.5 \text{ mm} \\ 0 & & & & & & & & \end{bmatrix}$ 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).	(60)							
	and							
	$ERP_{20 cm} \text{ (mW)} = \begin{cases} 2040 f & 0.3 \text{ GHz} \le f < 1.5 \text{ GHz} \\ \\ 3060 & 1.5 \text{ GHz} \le f \le 6 \text{ GHz} \end{cases}$							
	d = the separation distance (cm);							

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12.2 EUT Specification

	☐ WLAN: 2412MHz ~ 2462MHz
	☐ WLAN: 5150MHz ~ 5250MHz
Frequency band	☐ WLAN: 5250MHz ~ 5350MHz
(Operating)	
	Bluetooth: 2402MHz ~ 2480MHz
Davies estadory	☐ Portable (<20cm separation)
Device category	
	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 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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