14. Radio Frequency Exposure

14.1 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 antenna / radiating structure, where R > λ /2 π . TABLE B.1—THRESHOLDS FOR SINGLE RF SOURCES									
					TINE ENVIRONMENTAL I					
		f _L MHz		∫ _H MHz	$\lambda_L / 2\pi$		$\lambda_{\rm H}$ / 2π	W		
§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	$3,450 \text{ R}^2/f^2$		
		300	_	300 1,500	1.6 m 159 mm	_	159 mm 31.8 mm	3.83 R ² 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 b	etween	300	MHz ar	d 6 GHz a	and	the maxim	um 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).	$x = -\log_{10}\left(\frac{60}{ERP_{20~cm}\sqrt{f}}\right)$ and f is in GHz;									
	and									
				ERP ₂₀	_{cm} (mW) =	$\binom{204}{306}$	0	$z \le f < 1.5 \mathrm{GHz}$ $z \le f \le 6 \mathrm{GHz}$		
	d = the separation distance (cm);									

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14.2 EUT Specification

Frequency band (Operating)	 □ WLAN: 2412MHz ~ 2462MHz □ WLAN: 5150MHz ~ 5250MHz □ WLAN: 5250MHz ~ 5350MHz □ WLAN: 5470MHz ~ 5725MHz □ WLAN: 5725MHz ~ 5850MHz □ Bluetooth: 2402MHz ~ 2480MHz □ 902MHz~928MHz
Device category	☐ Portable (<20cm separation)☑ Mobile (>20cm separation)
Antenna diversity	 Single antenna Multiple antennas ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity
Evaluation applied	□ Blanket 1 mW Blanket Exemption ☑ MPE-based Exemption (20 公分以上) □ SAR-based Exemption (20 公分以下)
Remark:	
The maximum conducte antenna gain.)	ed output power is <u>29.18dBm (827.942 mW)</u> at 927.25 <u>MHz</u> (with <u>5.5dBi</u>

14.3 Result

Channel Frequency (MHz)	Max. Conducted output power(dBm)	Max. Tune up power (dBm)	Antenna Gain(dBi)	Antena Cable Loss(dB)	Max.Tune up e.r.p. Power (dBm)	Max. Tune up e.r.p power (mW)
927.25	29.18	29.68	5.5	0.5	32.53	1790.61

No non-compliance noted.

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

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