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)	ERP is below a th	TAI SUBJ RF Som Frequer ft MHz 0.3 1.34 30 300 1,500 Subscrip	BLE ECT rce ncy	Mhere R B.1—THE TO ROU fH MHz 1.34 30 300 1,500 100,00 0 and H are	> λ / 2 RESHOLDS TINE ENVI Minim $\lambda_L/2\pi$ 159 m 35.6 m 1.6 m 159 mm 31.8 mm	π. FOR RON um I	R SINGLE R MENTAL I Distance $\lambda_{\rm H}/2\pi$ 35.6 m 1.6 m 159 mm 31.8 mm 0.5 mm	EF SOURCES EVALUATION Threshold ERP W 1,920 R ² 3,450 R ² /f ² 3.83 R ² 0.0128 R ² f 19.2R ² th.	rson and t
∑ § 1.1307(b)(3)(i)(B).	Device operates be power or effective Where	From § columns etween radiated	300 d po	$\frac{17(b)(3)(i)}{MHz \text{ ar}}$ wer (ER $\text{nw)} = \begin{cases} \mathcal{E} \\ \mathcal{E} \end{cases}$ $x = -16$	(C), modified and 6 GHz at P), which the RP _{20 cm} ($d/2$	and ever 0 0 (204)	the maxim is greater 1)* d ≤ 20 20 cm and f is in	imum Distance num time-average $f, <= Pth$ cm $< d \le 40 \text{ cm}$ $f = GHz;$ $f \le f \le 6 \text{ GHz}$	∍d

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12.2 EUT Specification

_o: opcomounon					
	☐ WLAN: 5150MHz ~ 5250MHz				
Frequency band	☐ WLAN: 5250MHz ~ 5350MHz				
(Operating)					
	☐ Bluetooth: 2402MHz ~ 2480MHz				
Device category	☐ Portable (<20cm separation)				
Antenna diversity	☐ Single antenna				
	Rx diversity				
	Tx/Rx diversity				
Evaluation applied	☐ Blanket 1 mW Blanket Exemption				
	☐ SAR-based Exemption				
Remark:					
	ed output power is <u>24.84dBm (304.497mW)</u> at <u>2437MHz</u> (with <u>-1dBi</u>				
<u>antenna gain</u> .)					

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)
2412-2462	24.84	25.34	-1	22.19	165.42	3060

No non-compliance noted.

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