## 12. Radio Frequency Exposure

## 12.1 Radio Frequency Exposure 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	TAF SUBJ.  RF Som Frequer fL MHz  0.3  1.34  30  300  1,500  Subscrip	BLE : BCT rce acy 1.130	## MHz  1.34  30  300  1,500  100,00  0  and H are	> $\lambda$ / 2  RESHOLDS TINE ENVI  Minimum $\lambda_L/2\pi$ 159 m  35.6 m  1.6 m  159 mm  31.8 mm	π. FOH RON um I	R SINGLE RIMENTAL IDistance $\lambda_{\rm H}/2\pi$ 35.6 m 1.6 m 159 mm 31.8 mm 0.5 mm	RF SOURCES EVALUATION  Threshold ERP  W  1,920 R <sup>2</sup> 3,450 R <sup>2</sup> /f <sup>2</sup> 3.83 R <sup>2</sup> 0.0128 R <sup>2</sup> f  19.2R <sup>2</sup>	person and t
⊠ § 1.1307(b)(3)(i)(B).	Device operates be power or effective where	radiated	oq b	wer (ER $nW) = \begin{cases} E \\ E \end{cases}$ $x = -1c$ $ERP_{20}$	P), whiches $RP_{20 cm}(d/2)$ $RP_{20 cm}$ $eg_{10}\left(\frac{6}{ERP_{20}}\right)$ $e_{cm} \text{ (mW)} =$	ever $\frac{0}{cm}$	is greater $a \le 20$ cm $a \le 20$ cm $a \le 30$ and $a \le 30$ and $a \le 30$ and $a \le 30$	f, <= Pth f cm f cm f d $f$ 40 cm f GHz; f z $f$ $f$ 1.5 GHz f z $f$ $f$ 6 GHz	ged

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## 12.2 EUT Specification

Frequency band (Operating)	<ul> <li>WLAN: 2412MHz ~ 2462MHz</li> <li>WLAN: 5150MHz ~ 5250MHz</li> <li>WLAN: 5250MHz ~ 5350MHz</li> <li>WLAN: 5470MHz ~ 5725MHz</li> <li>WLAN: 5725MHz ~ 5850MHz</li> <li>⊠ Bluetooth: 2402MHz ~ 2480MHz</li> </ul>			
Device category	□ Portable (<20cm separation)     □ Mobile (>20cm separation)			
Antenna diversity				
Evaluation applied	Blanket 1 mW Blanket Exemption			
Remark:				
The maximum conducte antenna gain.)	ed output power is <u>4.82dBm (3.034mW)</u> at <u>2402MHz</u> (with <u>2.50dBi</u>			

## 12.3 Result

Channel	Max. Conducted	Max. Tune up	Antonno	Max.Tune up	Max. Tune up	Limit
Frequency	output power	power	Antenna Gain(dBi)	e.r.p. Power	e.r.p power	(mW)
(MHz)	(dBm)	(dBm)	Gairi(ubi)	(dBm)	(mW)	(11100)
2402-2480	4.82	5.32	2.5	5.67	3.69	3060

No non-compliance noted.

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