## 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	TAF SUBJ RF Sour Frequer fL MHz  0.3  1.34  30  300  1,500  Subscrip	BLE DECT rce acy 1.130	Mhere R  B.1—THE TO ROU  fH 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.  FOR RON um I	R SINGLE R MENTAL I Distance $\lambda_{\rm H}/2\pi$ $35.6 \text{ m}$ $1.6 \text{ m}$ $159 \text{ mm}$ $31.8 \text{ mm}$ $0.5 \text{ mm}$ is wavelength	EF 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 to power or effective where	radiate	d po	wer (ER $nW) = \begin{cases} E \\ E \end{cases}$ $x = -1c$ $ERP_{20}$	P), whicher $RP_{20 cm}(d/2RP_{20 cm})$ $RP_{20 cm}$ $eg_{10}\left(\frac{6}{ERP_{20}}\right)$	ever $\frac{0}{cm\sqrt{204}}$	is greater $d \le 20$ $20 \text{ cm}$ $\left(\frac{1}{f}\right)^{x} \text{ and } f \text{ is in}$	f, <= Pth $f, <= Pth$ $f, <$	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	<ul> <li>Single antenna</li> <li>Multiple antennas</li> <li>Tx diversity</li> <li>Rx diversity</li> <li>Tx/Rx diversity</li> </ul>				
Evaluation applied	<ul><li>☐ Blanket 1 mW Blanket Exemption</li><li>☑ MPE-based Exemption</li><li>☐ SAR-based Exemption</li></ul>				
Remark:					
The maximum conducte antenna gain.)	ed output power is <u>6.04dBm (6.194mW)</u> at <u>2480MHz</u> (with <u>3.53dBi</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)
2480	6.04	6.54	3.53	7.92	6.194	3060

No non-compliance noted.

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