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 ree acy	Mhere R B.1—THI TO ROU f _H MHz 1.34 30 300 1,500 100,00 0 and H are	> λ / 2 RESHOLDS TINE ENVI Minimum λ_L / 2π 159 m 35.6 m 1.6 m 159 mm 31.8 mm low and hig	π. FOFRON — — — — — — h; λ:	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 is wavelenge	RF 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	erson and
⊠ § 1.1307(b)(3)(i)(B).	Device operates to power or effective where	radiate	d po	wer (ER $x = -16$ ERP_{20}	P), whicher $RP_{20\ cm}(d/2RP_{20\ cm})$	ever $\frac{0}{\cos \sqrt{306}}$	is greater $d \le 20$ 20 cm $\frac{1}{6}$ and f is in $0f 0.3 \text{ GH}$ $0 1.5 \text{ GH}$	f, <= Pth f cm f cm f cm f GHz; f cm f GHz; f cm f GHz	jed

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12.2 EUT Specification

Frequency band						
(Operating)						
	Bluetooth: 2402MHz ~ 2480MHz					
Davisa satawawa	☐ Portable (<20cm separation)					
Device category						
	☐ Single antenna					
Antenna diversity						
	Rx diversity					
	☐ Tx/Rx diversity					
	☐ Blanket 1 mW Blanket Exemption					
Evaluation applied	MPE-based Exemption					
	☐ SAR-based Exemption					
Remark:						
The maximum conducted output power is 20.40dBm (109.550mW) at 2452MHz (with 3dBi						
antenna gain.)						

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12.3 Result

Channel Frequency (MHz)	Max. Conducted output power (dBm)	out power power		Max.Tune up e.r.p. Power (dBm)	Max. Tune up e.r.p power (mW)	Limit (mW)
2422-2452	20.40	20.90	3	21.75	149.49	3060

No non-compliance noted.

Maximum Permissible Exposure (Co-location)

BT+2.4G

Modulation Type	Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Antenna Gain(dBi)	Distance (cm)	Max. Tune up e.r.p power (mW)	Limit (mW)	MPE Ratio
8DPSK	2402-2480	8.68	9.18	3	20	10.069	3060.00	0.003
11n HT40	2422-2452	20.40	20.90	3	20	149.490	3060.00	0.049
Co-location Total								
Σ MPE ratios Limit								

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

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