## 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.							
\[ \tag{5.1.1307(b)(3)(i)(c)}	ERP is below a threshold calculated based on the distance , R between the person and the antenna / radiating structure, where R > $\lambda$ /2 $\pi$ .  TABLE B.1—THRESHOLDS FOR SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION  RF Source							
⊠ § 1.1307(b)(3)(i)(B).	Device operates between 300 MHz and 6 GHz and the maximum time-averaged power or effective radiated power (ERP), whichever is greater, <= Pth $P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \ cm} (d/20 \ cm)^x & d \leq 20 \ cm \\ ERP_{20 \ cm} & 20 \ cm < d \leq 40 \ cm \end{cases}$ Where							

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## 12.2 EUT Specification

	<ul><li>☐ WLAN: 2412MHz ~ 2462MHz</li><li>☐ WLAN: 5150MHz ~ 5250MHz</li></ul>
Frequency band	☐ WLAN: 5250MHz ~ 5350MHz
(Operating)	☐ WLAN: 5470MHz ~ 5725MHz
	☐ WLAN: 5725MHz ~ 5850MHz
	⊠ Bluetooth: 2402MHz ~ 2480MHz
Dovice category	☐ Portable (<20cm separation)
Device category	
	Single antenna
Antenna diversity	☐ Tx diversity
	Rx diversity
	☐ Tx/Rx diversity
	☐ Blanket 1 mW Blanket Exemption
<b>Evaluation applied</b>	
	SAR-based Exemption
Remark:	
The maximum conducte antenna gain.)	ed output power is 10.41dBm (9.46mW) at 2402MHz (with 1.0dBi

## 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)
2402	10.41	10.91	1	9.76	9.46	3060

No non-compliance noted.

	THE	<b>END</b>	OF	REPC	)R1	<b></b>
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