12. Radio Frequency Exposure

12.1 Applicable Standards

The measurements shown in this test report were made in accordance with the procedures given in FCC Part 2 (Section 2.1093)

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$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20\ cm} (d/20\ \text{cm})^x & d \le 20\ \text{cm} \\ ERP_{20\ cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$

$$x = -\log_{10} \left(\frac{60}{ERP_{20\ cm} \sqrt{f}}\right) \text{ and f is in GHz};$$

$$ERP_{20\ cm} \text{ (mW)} = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$

12.2 EUT Specification

Where

Frequency band							
(Operating)	☐ Bluetooth: 2402MHz ~ 2480MHz ☐ Portable (<20cm separation) ☐ Mobile (>20cm separation) ☐ Single antenna						
Dovice esterory	□ Portable (<20cm separation)						
Device category	☐ Mobile (>20cm separation)						
	Single antenna						
Antenna diversity	☐ Tx 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 <u>-0.3dBm (0.933mW)</u> at <u>2402MHz</u> (with <u>4.95dBi</u> antenna gain.)							

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12.3 Result

Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Max. Tune up power (mW)	Antenna Gain(dBi)	Max.Tune up e.i.r.p. Power (dBm)	Max.Tune up e.r.p. Power (dBm)		Distance	SAR test exclusion thresholds (mW)
2402-2480	-0.30	0.20	1.05	4.95	5.15	3.00	2.00	5	2.72

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No non-compliance noted.

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

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