



14. Radio Frequency Exposure

14.1 Applicable Standards

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

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

Where

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

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

14.2 EUT Specification

| | |
|---|--|
| Frequency band (Operating) | <input type="checkbox"/> WLAN: 2412MHz ~ 2462MHz <input type="checkbox"/> WLAN: 5150MHz ~ 5250MHz <input type="checkbox"/> WLAN: 5250MHz ~ 5350MHz <input type="checkbox"/> WLAN: 5470MHz ~ 5725MHz <input type="checkbox"/> WLAN: 5725MHz ~ 5850MHz <input checked="" type="checkbox"/> Bluetooth: 2402MHz ~ 2480MHz |
| Device category | <input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation) |
| Antenna diversity | <input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity |
| Evaluation applied | <input type="checkbox"/> Blanket 1 mW Blanket Exemption <input type="checkbox"/> MPE-based Exemption <input checked="" type="checkbox"/> SAR-based Exemption |
| Remark: | |
| The maximum conducted output power is <u>-5.12dBm (0.308mW)</u> at <u>2402MHz</u> (with <u>2.8561dBi</u> antenna gain.) | |



14.3 Result

| Modulation Mode | 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) | Max. Tune up e.r.p. Power (mW) | Distance (mm) | SAR test exclusion thresholds (mW) |
|-----------------|-------------------------|-----------------------------------|--------------------------|-------------------------|-------------------|-----------------------------------|---------------------------------|--------------------------------|---------------|------------------------------------|
| GFSK | 2402-2480 | -5.12 | -4.62 | 0.35 | 2.86 | -1.76 | -3.91 | 0.41 | 5 | 2.7200 |

No non-compliance noted.

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