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Absatz <i>Clause</i>	Anforderungen - Prüfungen / <i>Requirements - Tests</i>	Messergebnisse – Bemerkungen/ <i>Measuring results - Remarks</i>	Ergebnis <i>Result</i>	

Appendix 5

RF Exposure Information

FCC ID: 2AITT4605
IC ID: 21632-4605

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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result

Maximum Transmitter Power

Frequency (MHz)	Maximum peak field strength (dBμV/m)	Maximum transmitter power (mW)
2410	97.1	1.5386
2440	98.5	2.1238
2470	99.5	2.6738

Note: The maximum peak field strength was taken from table of “Subclause 15.249(a)/RSS-210 B.10(a) – Field Strength of Fundamental and Harmonics”.

For FCC

According to KDB 447498 D01:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 5 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$
≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

Result:

$$(1.5386/5) \cdot \sqrt{2.410} = 0.478 < 3.0$$

$$(2.1238/5) \cdot \sqrt{2.440} = 0.663 < 3.0$$

$$(2.6738/5) \cdot \sqrt{2.470} = 0.840 < 3.0$$

Conclusion: No SAR is required.

For ISED

According to table 11 in RSS-102 Issue 6, below exemption limit is applied

Frequency: 2470 MHz

At separation distance of ≤ 5mm

Exemption limits: 3mW

Results:

max. power of channel = 2.6738mW < 3mW

Conclusion:

The maximum peak output power of the transmitter is less than the SAR evaluation exemption threshold and hence it complies with the RSS-102 RF exposure requirement.