Prüfbericht - Produkte
Test Report - Products

TÜVRheinland®

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

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:

[(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)] · [$\sqrt{f(GHz)}$]
≤ 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)*$\sqrt{2.410}$ = 0.478 <3.0

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

(2.6738/5)*$\sqrt{2.470}$ = 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.