

Prüfbericht-Nr.: <i>Test report no.:</i>		CN25W8Q4 001		Seite 35 von 36 <i>Page 35 of 36</i>
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: YFA370410548
IC ID: 12260A-370410548

Prüfbericht-Nr.:
Test report no.:

CN25W8Q4 001

Seite 36 von 36
Page 36 of 36

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	94.3	0.8075
2445	93.3	0.6414
2473	93.0	0.5986

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:

$$(0.8075/5) \cdot \sqrt{2.410} = 0.251 < 3.0$$

$$(0.6414/5) \cdot \sqrt{2.445} = 0.201 < 3.0$$

$$(0.5986/5) \cdot \sqrt{2.473} = 0.188 < 3.0$$

Conclusion: No SAR is required.

For ISED

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

Frequency: 2450 MHz

At separation distance of ≤ 5mm

Exemption limits: 3mW

Results:

max. power of channel = 0.8075mW < 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.