Appendix 5

RF Exposure Information

FCC ID: 2BGCL-MSP0003
IC ID: 32529-MSP0003

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

Maximum Transmitter Power

Frequency (MHz)	Maximum peak output power (dBm)	Output power (mW)
2402	4.00	2.512
2441	4.23	2.649
2480	3.64	2.312

Note: The maximum peak field strength was taken from table of “Subclause 15.247(b)(3) / RSS-247 5.4 – Maximum Peak Conducted Output Power”.

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*)] · [√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:

(2.512/5)*√2.402 = 0.779 <3.0

(2.649/5)*√2.441 = 0.828 <3.0

(2.312/5)*√2.480 = 0.729 <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 = 2.649mW < 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.