Appendix 5

RF Exposure Information

FCC ID: YFA370410549
IC ID: 12260A-370410549

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)
2420	102.3	5.0947
2445	102.9	5.8495
2470	102.8	5.7164

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*)] · [√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:

(5.0947/5)*√2.420 = 1.585 <3.0

(5.8495/5)*√2.445 = 1.829 <3.0

(5.7164/5)*√2.470 = 1.797 <3.0

Conclusion: No SAR is required.

For ISED

According to table 11 in RSS-102 Issue 6, below exemption limit is applied:
Frequency: 2445 MHz
At separation distance of ≤ 5mm
For limb-worn devices where the 10 gram of tissue applies, the exemption limits for routine evaluation in table 11 are multiplied by a factor of 2.5.
Exemption limits: 3mW x 2.5 = 7.5mW

Results:

max. power of channel = 5.8495mW < 7.5mW

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.