Appendix 5

RF Exposure Information

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBuV/m)	Output power (mW)	Separation distance (mm)
2423	85.6	0.1089	5
2436	86.6	0.1371	5
2458	89.2	0.2495	5

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* ≤50 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:

(0.1089/5)*√2.423 = 0.0339<3.0

(0.1371/5)*√2.436 = 0.0428<3.0

(0.2495/5)*√2.458 = 0.0782<3.0

Conclusion:
No SAR is required.

For IC

According to table 1 in RSS-102 Issue 5, below exemption limit is applied
Frequency: 2450MHz
At separation distance of ≤ 5mm
Exemption limits: 4mW

Results:
max. power of channel = 89.2 dBuV/m = 0.2495 mW < 4mW

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