TÜVRheinland®

Appendix 5

RF Exposure Information

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
2402	-4.71	0.3381
2440	-4.90	0.3236
2480	-5.21	0.3013

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:

(0.3381/5)*√2.402 = 0.105 <3.0

(0.3236/5)*√2.440 = 0.101 <3.0

(0.3013/5)*√2.480 = 0.095 <3.0

Conclusion:
No SAR is required.

For IC
According to table 1 in RSS-102 Issue 5, below exemption limit at separation distance of ≤ 5mm is applied:

Frequency (MHz)	Exemption limits (mW, by linear interpolation)
2400	4.273
2483.5	3.936

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 without SAR evaluation.