

Appendix A: FCC Part 1.1307, 1.1310, 2.1091, 2.1093; IC RSS-Gen: RF Exposure

RF Exposure Evaluation is not required if power is below the following threshold:

Note that the EUT has a source-based time averaged duty cycle of not more than 9% (20.9 dB). The power used for the calculation below has been adjusted for this factor.

Tunable Range		Center of Tunable Band (GHz)	60/f SAR Limitation (mW)
f(GHz) Low	f(GHz) High		
2.401	2.475	2.437	24.6

Maximum measured transmitter power:

Pout Conducted (mW) (51 mW x 9%)	Maximum Antenna Gain (numeric)	Pout EIRP (mW)
4.6	1.62	7.4

Threshold at which no RF exposure evaluation required is 24.6 mW.

Maximum TX Power is 4.6 mW conducted (9% of 51 mW) and 7.4 mW EIRP.

Conclusion: No RF exposure evaluation is required since the maximum Transmitter Pout (both conducted and EIRP) is below the FCC threshold.