

Appendix A: FCC Part 1.1307, 1.1310, 2.1091, 2.1093: RF Exposure

No RF Exposure Evaluation Required if power is below the following threshold:

Tunable Range		Center of Tunable Band (GHz)	60/f SAR Limitation (mW)
f(GHz) Low	f(GHz) High		
2.405	2.480	2.443	24.6

Two antennas are used with this module: PCB antenna (0 dBi printed line antenna) and Wire antenna (-15 dBi wire monopole). The PCB antenna is presented below since it has the highest gain of the two, and represents worst-case.

Maximum measured transmitter power:

Pout Conducted (mW)	Maximum Antenna Gain (numeric)	Pout EIRP (mW)
0.3	1	0.3

Threshold at which no RF exposure evaluation is 24.6 mW.

Maximum TX Power is 0.3 mW conducted and 0.3 mW EIRP.

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