

RF EXPOSURE EVALUATION METHOD

For RF exposure report, the power limit is $60/f(\text{in GHz})$ mW,

Tx frequency range: 2412~2462MHz

For limit $60/f$ is equal:

$$60/2.412=24.87\text{mW}$$

$$60/2.437=24.62\text{ mW}$$

$$60/2.462=24.37\text{mW}$$

Maximum measured transmitter power.

EIRP=conducted power + antenna Gain

802.11B

frequency range	MAX Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)
2412	11.69	1.0	12.43	17.49	24.87
2437	11.66	1.0	11.43	13.89	24.62
2462	11.33	1.0	11.89	15.45	24.37

802.11G

frequency range	MAX Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)
2412	9.62	1.0	9.97	9.93	24.87
2437	9.84	1.0	9.46	8.83	24.62
2462	9.49	1.0	9.14	8.20	24.37

802.11N

frequency range	MAX Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)
2412	9.76	1.0	9.87	9.71	24.87
2437	9.54	1.0	9.78	9.51	24.62
2462	9.62	1.0	9.31	8.53	24.37

To Tune Up information

max possible output power (PK) : 11±1dbm

MAX possible Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	limit(mW)
12	1.0	13	19.95	24.37

Conclusion: No SAR is required.