

## Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

$$\begin{aligned} \text{EIRP} &= -2.94 \text{ dBm} + (1.13 \text{ dBi}) \\ &= -1.81 \text{ dBm} \end{aligned}$$

Limit: EIRP = +36 dBm for Antenna gain <6dBi

Test equipment used: ETSTW-RE 055

## RF Exposure Compliance Requirements

Conclusion: No Evaluation required if power is below this threshold:

F(GHz)		mW
Low	2.402	24.58
High	2.480	

Maximum measured transmitter power:

Conducted Power	-2.94 dBm (0.50816 mW)
EIRP Power	-1.81 dBm (0.659174 mW)

- The antenna is PCB antenna, antenna gain is 1.13 dBi.

Threshold for no SAR evaluation is 24.58 mW.

Conclusion: No SAR evaluation required since Transmitter output power is below FCC threshold.