





As the output is switched on/off with 50% duty cycle, we have a correction factor of -3 dB.

So the average result is 35.9 dBm = 3.89 Watt

Limit of maximum ERP for frequencies above 1.5 GHz is 3 W. See FCC § 2.1091 (EIRP = 4.91 Watt)

RF Exposure for mobile conditions at **R = 20 cm** distance from EUT

$$PD = EIRP / (4\pi * R^2)$$

$$PD = 0.977 \text{ mW/cm}^2$$

Limit of maximum permissible exposure (MPE) for uncontrolled environment: 1.0 mW/cm<sup>2</sup>. See FCC § 1.1310.