



### Prediction of MPE limit at a given distance

Verint Nextiva S3100

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal: 19.68 (dBm)

Maximum peak output power at antenna input terminal: 92.89663868 (mW)

Antenna gain(typical): 16 (dBi)

Maximum antenna gain: 39.81071706 (numeric)

Prediction distance: 30 (cm)

Prediction frequency: 2437 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm<sup>2</sup>)

Power density at prediction frequency: 0.327000 (mW/cm<sup>2</sup>)

3.269999 (W/m<sup>2</sup>)

Maximum allowable antenna gain: 20.85452373 (dBi)

Margin of Compliance: 4.854523735 dB