



**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: 16.88 (dBm)

Maximum peak output power at antenna input terminal: 48.75284901 (mW)

Antenna gain(typical): 19 (dBi)

Maximum antenna gain: 79.43282347 (numeric)

Prediction distance: 30 (cm)

Prediction frequency: 5745 (MHz)

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

Power density at prediction frequency: 0.342411 (mW/cm<sup>2</sup>)

3.424109 (W/m<sup>2</sup>)

Maximum allowable antenna gain: 23.65452373 (dBi)

Margin of Compliance: 4.654523735 dB