

# CRESTRON

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EUT: CEN-GWEXER

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

where:

S= power density (in appropriate units, e.g. mW/cm<sup>2</sup>)

P= power input to the antenna (in appropriate units, e.g., mW)

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 (appropriate units, e.g., cm)

P	G	R	MPE Calculation Frequency	MPE Limit at Frequency Uncontrolled Exposure	S		
(dBm)	(mw)	(dBi)	(numeric)	(Cm)	(MHz)	mW/cm <sup>2</sup>	mW/cm <sup>2</sup>
20.66	116.413	2.5	1.778	20	2405	1	0.0411842

Max antenna gain allowed with calculated S:

16.35 dB<sub>i</sub>

Enter Values