Prediction of MPE limit at a given distance
MW-CBDA-SMR-800-900-1W80A Outdoor Base Antenna

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:	24.00	(dBm)
Maximum peak output power at antenna input terminal:	251.1886432	(mW)
Antenna gain(typical):	10	(dBi)
Maximum antenna gain:	10	(numeric)
Prediction distance:	50	(cm)
Prediction frequency:	902	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.6	(mW/cm^2)

Power density at prediction frequency: 0.079956 (mW/cm^2)

Maximum allowable antenna gain: 18.75301123 (dBi)

Margin of Compliance: 8.753011231