Prediction of MPE limit at a given distance

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

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

Equipment	ME-MR23 / ME-MS01M-B-ANT
Manufacturer	Maxell Seiki, Ltd

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:	28.51	(dBm)
Maximum peak output power at antenna input terminal:	709.577768	(mW)
Antenna gain(typical):	-58.143	(dBi)
Maximum antenna gain:	0.00000153	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	13.56	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	9040	(mW/cm^2)

Power density at prediction frequency: 0.0000002 (mW/cm^2)

Maximum allowable antenna gain: 48.06438286 (dBi)

Margin of Compliance: 106.2073829