Prediction of MPE limit at a given distance
DU 1900 Full Band
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:	18.50	(dBm)
Maximum peak output power at antenna input terminal:	70.79457844	(mW)
Antenna gain(typical):	11.5	(dBi)
Maximum antenna gain:	14.12537545	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	1850-1910	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)

Power density at prediction frequency: 0.198944 (mW/cm^2)

Maximum allowable antenna gain: 18.51269855 (dBi)

Margin of Compliance: 7.012698554