FCC ID: VW3-ATGHMP915V2

Prediction of MPE limit at a given distance for Hybrid mode 125kHz

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 the antenna terminal:	23,05	(dBm)
Maximum peak output power at the antenna terminal:	201,8366364	(mW)
Antenna gain(typical):	-1,5	(dBi)
Maximum antenna gain:	0,707945784	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	903	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0,6	(mW/cm^2)

Power density at prediction frequency: 0,028427 (mW/cm^2)

Maximum allowable antenna gain: 11,74421106 (dBi)

Prediction of MPE limit at a given distance for Hybrid mode 500kHz

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 the antenna terminal:	22,92	(dBm)
Maximum peak output power at the antenna terminal:	195,8844674	(mW)
Antenna gain(typical):	-1,5	(dBi)
Maximum antenna gain:	0,707945784	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	908,7	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0,6	(mW/cm^2)

Power density at prediction frequency: 0,027589 (mW/cm^2)

Maximum allowable antenna gain: 11,87421106 (dBi)