Company TeraHop Networks Inc.
Model GC1030/1040
FCC ID S4MGC1000
Report 6L0185Rus1

Prediction of MPE limit at a given distance

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

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

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:	27.00	(dBm)
Maximum peak output power at antenna input terminal:	501.1872336	(mW)
Antenna gain(typical):	5	(dBi)
Maximum antenna gain:	3.16227766	(numeric)
Time Averaging:	100	(%)
Prediction distance:	20	(cm)
Prediction frequency:	2400	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.315304	(mW/cm^2)
Margin of compliance:	-5.0	(dB)