

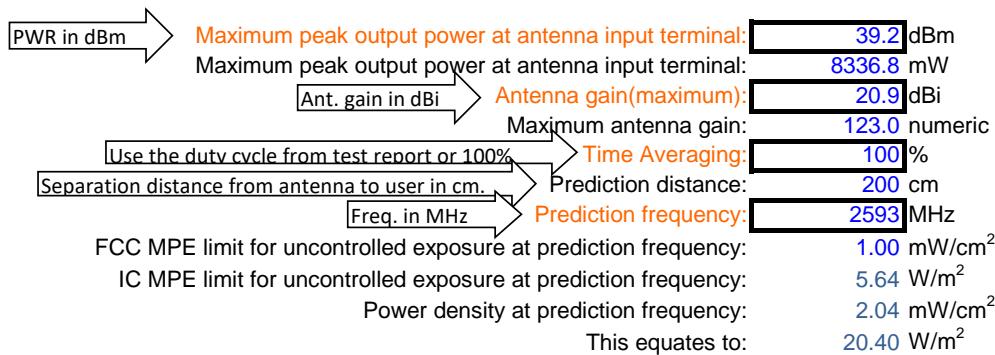


Prediction of MPE limit at a given distance

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 isotropic radiator
R = distance to the center of radiation of the antenna



Frequency(MHz) Limit(mW/cm^2)

299.999	0.20
300	0.20
350	0.23
375	0.25
400	0.27
450	0.30
460	0.31
475	0.32
500	0.33
525	0.35
540	0.36
550	0.37
600	0.40
625	0.42
650	0.43
700	0.47
800	0.53
900	0.60
1000	0.67
1100	0.73
1200	0.80
1300	0.87
1400	0.93
1500	1.00
100000	1.00