Prediction of MPE limit at a given distance

12 dBi Directional Antenna, BelAir B1BB032AA-A01

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:	23.98	(dBm)
Maximum peak output power at antenna input terminal:	250.0345362	(mW)
Antenna gain(typical):	12	(dBi)
Maximum antenna gain:	15.84893192	(numeric)
Prediction distance:	25	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)

Power density at prediction frequency: 0.504557 (mW/cm^2)

Maximum allowable antenna gain: 14.97089881 (dBi)

Margin of Compliance: 2.970898814

Prediction of MPE limit at a given distance

8 dBi Directional Antenna, BelAir BEL10012-A01

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:	27.48	(dBm)
Maximum peak output power at antenna input terminal:	559.7576015	(mW)
Antenna gain(typical):	8	(dBi)
Maximum antenna gain:	6.309573445	(numeric)
Prediction distance:	25	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.449687	(mW/cm^2)
Maximum allowable antenna gain:	11.47089881	(dBi)
Margin of Compliance:	3.470898814	

Prediction of MPE limit at a given distance
12 dBi Omnidirectional Antenna, MFB24012DT2
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:	23.98	(dBm)
Maximum peak output power at antenna input terminal:	250.0345362	(mW)
Antenna gain(typical):	12	(dBi)
Maximum antenna gain:	15.84893192	(numeric)
Prediction distance:	25	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)

Power density at prediction frequency: 0.504557 (mW/cm^2)

Maximum allowable antenna gain: 14.97089881 (dBi)

Margin of Compliance: 2.970898814

Prediction of MPE limit at a given distance

10 dBi Omnidirectional Antenna, MFB24010

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:	26.00	(dBm)
Maximum peak output power at antenna input terminal:	398.1071706	(mW)
Antenna gain(typical):	10	(dBi)
Maximum antenna gain:	10	(numeric)
Prediction distance:	25	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)

Power density at prediction frequency: 0.506886 (mW/cm^2)

Maximum allowable antenna gain: 12.95089881 (dBi)

Margin of Compliance: 2.950898814

Prediction of MPE limit at a given distance

8 dBi Omnidirectional Antenna, MFB24008

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: 27.48 (dBm)

Maximum peak output power at antenna input terminal: 559.7576015 (mW)

Antenna gain(typical): 8 (dBi)

Maximum antenna gain: 6.309573445 (numeric)

Prediction distance: 25 (cm)

Prediction frequency: 2437 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm^2)

Power density at prediction frequency: 0.449687 (mW/cm^2)

Maximum allowable antenna gain: 11.47089881 (dBi)

Margin of Compliance: 3.470898814

Prediction of MPE limit at a given distance

6 dBi Omnidirectional Antenna, MFB24006

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:	27.48	(dBm)
Maximum peak output power at antenna input terminal:	559.7576015	(mW)
Antenna gain(typical):	6	(dBi)
Maximum antenna gain:	3.981071706	(numeric)
Prediction distance:	25	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.283733	(mW/cm^2)
Maximum allowable antenna gain:	11.47089881	(dBi)
Margin of Compliance:	5.470898814	

Prediction of MPE limit at a given distance

8 dBi Omnidirectional Antenna, SPDG160

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:	27.48	(dBm)
Maximum peak output power at antenna input terminal:	559.7576015	(mW)
Antenna gain(typical):	8	(dBi)
Maximum antenna gain:	6.309573445	(numeric)
Prediction distance:	25	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.449687	(mW/cm^2)
Maximum allowable antenna gain:	11.47089881	(dBi)
Margin of Compliance:	3.470898814	