Prediction of MPE limit at a given distance

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

$$S = \frac{PG}{4pR^2}$$

Equipment	AirStation WZR-HP-G54
Manufacturer	Buffalo Inc.
Antenna 1	AI25P01-CA

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:	25.00	(dBm)
Maximum peak output power at antenna input terminal:	316.227766	(mW)
Antenna gain(typical):	2.6	(dBi)
Maximum antenna gain:	1.819700859	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2440	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.00245043	(mW/cm^2)
Power density at prediction frequency:	0.114480	(mW/cm^2)
Maximum allowable antenna gain:	12.02332762	(dBi)
Margin of Compliance:	9.423327618	

Prediction of MPE limit at a given distance

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

$$S = \frac{PG}{4pR^2}$$

Equipment	AirStation WZR-HP-G54
Manufacturer	Buffalo Inc.
Antenna 2	WLE-HG-NDR

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:	25.00	(dBm)
Maximum peak output power at antenna input terminal:	316.227766	(mW)
Antenna gain(typical):	4.7	(dBi)
Maximum antenna gain:	2.951209227	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2440	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.00245043	(mW/cm^2)
Power density at prediction frequency:	0.185665	(mW/cm^2)
Maximum allowable antenna gain:	12.02332762	(dBi)
Margin of Compliance:	7.323327618	

Prediction of MPE limit at a given distance

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

$$S = \frac{PG}{4pR^2}$$

Equipment	AirStation WZR-HP-G54
Manufacturer	Buffalo Inc.
Antenna 3	WLE-NDR-WR

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:	25.00	(dBm)
Maximum peak output power at antenna input terminal:	316.227766	(mW)
Antenna gain(typical):	2	(dBi)
Maximum antenna gain:	1.584893192	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2440	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.00245043	(mW/cm^2)
Power density at prediction frequency:	0.099708	(mW/cm^2)
Maximum allowable antenna gain:	12.02332762	(dBi)
Margin of Compliance:	10.02332762	

Prediction of MPE limit at a given distance

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

$$S = \frac{PG}{4pR^2}$$

Equipment	AirStation WZR-HP-G54
Manufacturer	Buffalo Inc.
Antenna 4	WLI-MYG

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:	25.00	(dBm)
Maximum peak output power at antenna input terminal:	316.227766	(mW)
Antenna gain(typical):	3.9	(dBi)
Maximum antenna gain:	2.454708916	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2440	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.00245043	(mW/cm^2)
Power density at prediction frequency:	0.154429	(mW/cm^2)
Maximum allowable antenna gain:	12.02332762	(dBi)
Margin of Compliance:	8.123327618	

Prediction of MPE limit at a given distance

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

$$S = \frac{PG}{4pR^2}$$

Equipment	AirStation WZR-HP-G54
Manufacturer	Buffalo Inc.
Antenna 5	WLE-DA

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:	25.00	(dBm)
Maximum peak output power at antenna input terminal:	316.227766	(mW)
Antenna gain(typical):	4	(dBi)
Maximum antenna gain:	2.511886432	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2440	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.00245043	(mW/cm^2)
Power density at prediction frequency:	0.158027	(mW/cm^2)
Maximum allowable antenna gain:	12.02332762	(dBi)
Margin of Compliance:	8.023327618	