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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

	<u>Clearlink D-WiFi</u>	<u>Clearlink D and PB and D-WiFi</u>
Maximum peak output power at device output terminal:	20.37	-1.27 dBm
Cable and Jumper loss:	0	0 dB
Maximum peak output power at antenna input terminal:	20.37	-1.27 dBm
	108.8930093	0.746448758 mW
Single Antenna gain (typical):	0	0 dBi
Number of Antennae:	1	1
Total Antenna gain (typical):	0	0 dBi
	1	1 (numeric)
Prediction distance:	20	20 cm
Prediction frequency:	2437	2463 MHz
MPE limit for uncontrolled exposure at prediction frequency:	1	1 mW/cm ²
Power density at prediction frequency:	0.021663576	0.000148501 mW/cm ²
	0.216635759	0.001485013 W/m ²
Tx On time:	1	1 ms
Tx period time:	1	1 ms
Average Factor:	100	100 %
Average Power density at prediction frequency:	0.216635759	0.001485013 W/m ²

Margin of Compliance:

