



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 -- Conducted 13.08 dBm 0.020 (W)

Antenna gain(typical): 3.00 (dBi)

Maximum antenna gain: 2.00 (numeric)

Evaluation distance: 20.00 (cm) Evaluation frequency: 2412.000 (MHz)

Limit from table below: 1 (mW/cm^2)

Power density at Evaluation frequency: 0.0081 (mW/cm^2)

**EUT** complies

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density Seq (W/m2)
0-1Hz	-	3.2×10 <sup>4</sup>	4×10 <sup>4</sup>	-
1-8Hz	1000	3.2×10 <sup>4</sup> /f <sup>2</sup>	4×104/f²	-
8-25Hz	1000	4000/f	5000/ <b>f</b>	-
0.025Hz-0.8kHz	250/f	4/f	5/ <b>f</b>	-
0.8-3kHz	250/f	5	6.25	-
3-150kHz	87	5	6.25	-
0.15-1MHz	87	0.73/f	0.92/f	-
1-10MHz	87/f <sup>1/2</sup>	0.73/f	0.92/f	-
10-400MHz	28	0.073	0.092	2
400-2000MHz	1.375 f <sup>1/2</sup>	0.0037 f <sup>1/2</sup>	0.0046f <sup>1/2</sup>	f/200
2-300GHz	61	0.16	0.2	10