

MPE Exposure Formula:

$$S = (P \times G) / (4 \times \pi \times d^2)$$

where:

S = power density

P = transmitter conducted power in (mW)

G = antenna numeric gain

d = distance to radiation center (m) or $(.02^2) = .020$ m

5745 MHz (802.11 20MHz CDD)					
Enter Data in Linear Units					
Gain =	2.3	Numeric	EUT ant.:	3.7	dBi
Power =	66	mW	EUT power:	18.2	dBm
Frequency =	5745	MHz	MPE limit:	1	mW/cm ²
Cable Loss =		dB			
EIRP =	154.88	mW		154.88	mW
R (cm) =	3.5107109		S (20cm) =		0.031

The above represents worst case power for all modes.