US Tech Test Report:	FCC Part 15 Certification
FCC ID:	2AUFI-FT-05DC
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Customer:	OKYANUS TEKNOLOJI BILGISAYAR VE YAZILIM SAN. TIC.LTD.STI.
Model:	FT-05DC

Maximum Public Exposure to RF (MPE) CFR 15.247 (i), CFR 1.1310 (e)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S** as per the respective limits in Table 1 below, at a distance, d, of 20 cm from the EUT.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f^2	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

Therefore, for:
MPE for 2400 MHz – 2483.5 MHz

Limit: 1 mW/cm^2
Peak Power (dBm) = 19.95 dBm
Peak Power (Watts) = 0.099 W
Gain of Transmit Antenna = 2.0 dB$_i$ = 1.58, numeric
d = Distance = 20 cm = 0.2 m

$$\mathbf{S = (PG/ 4\pi d^2)} = \text{EIRP}/4A = 0.099*(1.58)/4*\pi*0.2*0.2$$
$$=0.1569/0.5030 = 0.3119 \text{ W/m}^2$$
$$= (0.3119 \text{ W/m}^2) (1\text{m}^2/\text{W}) (0.1 \text{ mW/cm}^2)$$
$$= 0.03119 \text{ mW/cm}^2$$

which is << less than S = 1 mW/cm^2