

MPE Calculation

For : Anatel TOC Analyzer, Model: PAT 700
FCCID : VICPAT700TOC

RF Exposure Requirement : 47 CFR 1.1307(b)
RF Radiation Exposure Limit : 47 CFR 1.1310
RF Radiation Exposure Guideline : FCC OST/OET Bullentin Number 65

EUT Frequnecyt Band :	13.56	MHz
EUT Measured Output power or EIRP :	50.1	dBuV/m (Field strength @ 3 meter)
	3.00E-08	Watts
Eut Antenna Gain :	0	dBi
Distance from Antenna to Human Body:	20	cm

Limit for General Population / Uncontrolled Exposure :
 $= 180 / f^{**2} \text{ (MHz)} \implies \underline{0.978933} \text{ mW/cm}^2 \text{ or } 9.789334 \text{ W/m}^2$

Power density Calculation : $= P * G / (4 * 3.141 * R^{**2})$
Where, S= power density
P = Power inoput to Antenna
G = Antenna Gain
R = distance to the center of radiated antenna

EUT Power density = $5.96944\text{E-}05 \text{ W/m}^2$

The EUT Complied with 20cm distance exposure.

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