

MPE Calculation

For : RFID Printer, Model: 9855HF
FCCID : GU6-RFID-HF

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 :	15.3	dBuV/m (Field strength @ 3 meter)
	0.000000008	Watts
Eut Antenna Gain :	-27.8	dBi
Distance from Antenna to Human Body:	20	cm

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

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 = $2.64181\text{E-}08 \text{ W/m}^2$

The EUT Complied with 20cm distance exposure.

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