

MPE Calculation

For : QI Systems HHCP-U4 or HHPN-U4
FCCID : U4BM210-3G

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 Frequency Band :	13.56	MHz
EUT Measured Output power or EIRP :	26.1	dBuV/1 (Field strength @ 3 meter)
	1.23E-10	Watts
Eut Antenna Gain :	0	dBi
Distance from Antenna to Human Body:	20	cm

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

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

EUT Power density = 2.44747E-07 W/m²

The EUT Complied with 20cm distance exposure.

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