MPE CALCULATION

FCC ID: JQ6-ICLASSU90 / IC ID: 2236B-ICLASSU90

RF Exposure Requirements:	47 CFR §1.1307(b)
RF Radiation Exposure Limits:	47 CFR §1.1310
RF Radiation Exposure Guidelines:	FCC OST/OET Bulletin Number 65
EUT Frequency Band:	902.75-927.25 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	300-1500 MHz
Power Density Limit:	0.62 mW / cm^2 (300-1500 MHz)

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

Where, S = Power Density

P = Power Input to Antenna

G = Antenna Gain

R = distance to the center of radiated antenna

Prediction distance 20cm

UHF RFID (902.75-927.25MHz): Power = 28.81 dBm, Antenna gain= 5.37dBi, Power density=0.521 mW/cm^2

Maximum MPE is 0.521mW/cm^2, which is less than 0.62 mW/ cm^2.

The Above Result had shown that Device complied with MPE requirement.

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