MPE CALCULATION

FCC ID: 2AKNFRDR7018

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: 902-928MHz

Limits for General Population/Uncontrolled Exposure in the band of: 300 - 1500 MHz

Power Density Limit: 0.618 mW / cm^2

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

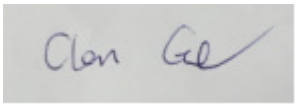
R = distance to the center of radiated antenna

Prediction distance 90cm

(RFID 902-928MHz): Power = 33.06dBm, Antenna Gain = 12.43dBi, Apparent Gain = 12.43 dBi, Power density = 0.430 mW/cm^2

Type	CH Freq (MHz)	Conducted Power (dBm)	Tune-Up Tolarance	Maximum Tune-up power (dBm)	Antenna Gain (dBi)	Measurement Distance (cm)	Calculated MPE (mW/cm^2)	MPE Limit (mW/cm^2)	Pass/Fail
902-928MHz RFID	910.4	33.06	±1	34.06	12.43	90	0.430	0.618	Pass

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



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