**MPE CALCULATION**

**FCC ID: 2A0X8-F1100**

**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

**Limits for General Population/Uncontrolled Exposure in the band of:**

| Frequency Range (MHz) | Power Density ($mW/cm^2$) |
|---|---|
| 1,500-100,000 | 1.0 |
| 300-1,500 | f/1500 |

**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

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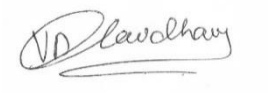
Prediction distance 20cm

**Flume: Sensor**

| Type | CH Freq (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | Measurement distance (cm) | Calculated MPE (mW/cm2) | MPE Limit (mW/cm2) | Pass / Fail |
|---|---|---|---|---|---|---|---|
| RFID | 902.5 MHz | 21.01 | 2.40 | 20 | 0.0436 | 0.60 | Pass |

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

Completed By: Vijay Chaudhary



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