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**FCC ID: FSOIRISMP6**

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**Attestation Statement: RF Exposure Considerations for the Innovative Converged Devices Inc. IRIS Infotainment System**

The FCC requires that the calculated MPE (Maximum Permissible Exposure) be equal to or less than a given limit dependent on frequency at a distance of 20 cm from the device to the body of the user.

The MPE calculation as given in FCC OET Bulletin 65, page 19 is used to calculate the safe operating distance for the user

The IRIS Infotainment System is an in-car information / entertainment system that contains a 2.4GHz Bluetooth transmitter.

**MPE calculation for the IRIS Infotainment System**

The equation for this calculation is given in OET Bulletin 65, page 19 as:

$S = EIRP/4 \pi R2$

Where S = Power density

EIRP = Effective Isotropically Radiated Power

R = distance to the centre of radiation of the antenna

For 2.4GHz band:

Values S = 1.0 mW/cm2 for General population uncontrolled exposure (FCC Part 1.1310, Table 1(B) Radiofrequency radiation exposure limits)

S = 1.0mW/cm2

EIRP = 4.02dBm (2.52mW) measured.

R = 20cm

Calculation:

$S = EIRP/4 \pi R2$

$S = 2.52/12.56 \times (20)2$

$S = 2.52/5026$

**S = 0.0005mW2**

**Conclusion**

This confirms compliance to the required FCC Part 1.1310 Radio frequency radiation exposure limit of 1.0mW/cm2 at 20cm operation.

Phil Greenhalgh

Chief Operating Officer