MPE CALCULATION

For *HYUNDAI MOBIS CO., LTD* – ; Model: AVN-700MDA

FCC ID: TQ8-AVN-700MDA

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 / 47 CFR §2.1091
EUT Frequency Band:	2402 – 2480 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1500 – 100,000 MHz
Power Density Limit:	1.0mW/ 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

Low Channel (2402 MHz): Power = 1.64 dBm, Antenna Gain = -3.09 dBi, Prediction distance 20cm

$S = 0.0001$ mW/cm^2

Result

The Above Result had shown that Device complied with 1.0 mW/cm^2 Power density requirement for distance of 20cm.

Completed By : Jong Seok Lee

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