

MPE CALCULATION

For *HYUNDAI MOBIS CO., LTD* - ; Model: AV1A0IHAN
FCC ID: TQ8-AV1A0IHAN

| | |
|---|---|
| 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 = 1.33 dBm, Antenna Gain = -0.56 dBi, Prediction distance 20cm
 $S = 0.00024 \text{ mW/cm}^2$

Result

The Above Result had shown that Device complied with 1.0 mW/cm² Power density requirement for distance of 20cm.

Completed By : Jong Suk LEE

Date : Jan 10, 2011