

MPE CALCULATION

For *HYUNDAI MOBIS CO., LTD -* ; Model: AC232IXAN

FCC ID: TQ8-AC232IXAN

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|---------------------------------------------------------------------|-------------------------------------------------|
| 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

Mid Channel (2480 MHz): Power = -5.34 dBm, Antenna Gain = 0.1 dBi, Prediction distance 20 cm

$S = 0.000060 \text{ mW/cm}^2$

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 : September 10, 2012