

# MPE CALCULATION

For *HYUNDAI AUTONET Co., Ltd* - ; Model: AVN-150BKL

FCC ID: PINAVN150BKL

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 <sup>2</sup> ;

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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Low Channel (2402 MHz): Power = 2.04dBm, Antenna Gain = -1.51dBi, Prediction distance 20cm

S = 0.00022 mW/cm<sup>2</sup>

## Result

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

Completed By : Hyo Sun Kwak

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