

MPE CALCULATION

For Guangzhou ITS Communications Equipment Co., Ltd; Model: DP268

FCC ID: YH7ARTCRSUDP268-2

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: 5750.10MHz-5845.10MHz

Limits for General Population/Uncontrolled Exposure in the band of: 1500 – 100,000 MHz

Power Density Limit: 1.0mW/ cm²;

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

Middle Channel (5800.10 MHz): Power = 13.4dBm, Antenna Gain = 13 dBi,
Prediction distance 20 cm

$S = 0.087046 \text{ mW/cm}^2$

Result

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

Completed By : Alex Wang

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