MPE ESTIMATION

FCC ID: 2AD66-DMR818SU

1, According to §1.1310, Limit for Occupational / Controlled Exposure

Frequency	**Power density (mW/ cm^2)**	**Averaging time(minutes)**
300MHz----1.5GHz	F/300	6
1.5GHz---100GHz	5	6

Note: F= Frequency in MHz

2, Estimation Result

Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm^2)	Limit (mW/cm^2)
450.0125	30.243	30±1(31)	1258.925	1.0	1.26	0.31546	1.5000

Note: $Pd = \frac{Pout * G}{4\pi r^2}$;

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power in mW.

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna in cm

Conducted power see the test report **HK2607150724-E**, antenna gain=1dBi.

When the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.31546mW/cm^2 which is<1.5000mW/cm^2, RF Exposure testing is not required.

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