



MPE ESTIMATION

FCC ID: 2ANJW-SA-KC55P

1, Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Note: F= Frequency in MHz

2, Estimation Result

FM: EIRP(dBm)= 55.35(dBuV/m)-95.3= -39.95(dBm)

Mode	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
EDR	2480	0.57	0±1(1)	1.00	5.54	3.5810	0.00071
FM	107.9	-39.95	-39±1(-38)	0.0002	0	1.000	0.00000004

$$Pd = \frac{P_{out} * G}{4\pi r^2} :$$

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2312256311-1E/2E**, antenna gain=5.54dBi(EDR), 0dBi(FM)

EDR MPE (max)= 0.00071 (mW/cm²)

FM MPE (max)= 0.00000004 (mW/cm²)

simultaneously MPE=0.00071+0.00000004=0.00071004(mW/cm²)

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 0.00071004 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

-----The End-----