



MPE ESTIMATION

**Test report
On Behalf of
Control Technology China Co., LTD
For
Diagnose charge battery station
Model No.: DCBS**

FCC ID: 2AK5Y-DCBS

IC ID: 25313-DCBS

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Report Number: HK1907221811-3E



1, 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

2.4G WIFI

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	15.42	15.42±1(16)	39.81	2	1.5849	0.01256
11g	14.95	14.95±1(15)	31.62	2	1.5849	0.00998

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1907221811-1E, antenna gain=2dBi



BT

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
BT	3.62	3.62±1(4)	2.51	-0.54	0.883	0.00044

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1907221811-2E, antenna gain=-0.54dBi

NOTE: WIFI 2.4GHz and BT cannot transmit simultaneously.

when the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine SAR test exclusion. The test exclusion threshold is 0.01256mW/cm² which is < 1.0mW/cm², SAR testing is not required.

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