MPE ESTIMATION

Test report
On Behalf of
Shenzhen Juku Intelligent Technology Co., Ltd.
For
Wake-up Light
Model No.: ACA-003, ACA-003-B, ACA-003-S, ACA-003-V

FCC ID: 2ARPEACA-003

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Report Number: HK1906101281-2E

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/cm²)
11b	13.15	13±1(14)	25.12	1	1.2589	0.00629
11g	12.32	12±1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.74	11±1(12)	15.85	1	1.2589	0.00397

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

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1906101281-1E, antenna gain=1dBi

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 0.00629mW/cm² which is< 1.0mW/cm², SAR testing is not required.

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