



MPE ESTIMATION

Test report
On Behalf of
DONGGUAN YEWELINK SMART TECHNOLOGY CO., LTD.
For
scene light smart switch
Model No.: SSMS118-01AI, SSMS118-02AI, SSMS118-03AI,
SSMS86-01AI, SSMS86-02AI, SSMS86-03AI

FCC ID: 2AP8QSSMS118-01AI

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Date of Test: **June 06, 2019 ~ June 21, 2019**
Date of Report: **June 21, 2019**
Report Number: **HK1906061251-2E**

**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/cm ²)
11b	13.49	13±1(14)	25.12	1	1.2589	0.00629
11g	12.94	12±1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.72	11±1(12)	15.85	1	1.2589	0.00397
$Pd = \frac{Pout * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note:						
PK Output power= conducted power.						
Conducted power see the test report HK1906061251-1E, 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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