



MPE ESTIMATION

**Test report
On Behalf of
Shenzhen Joinwe Electronics Co., Ltd.
For
Tv box
Model No.: V8 MAX, T9, T95X2, T95S1, T95ZMAX, WECHIP V9,
T95MAX**

FCC ID: 2ATK3V8MAX

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Report Number: HK1905161191-4E

**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	13.47	13±1(14)	25.12	1	1.2589	0.00629
11g	12.36	12±1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.94	11±1(12)	15.85	1	1.2589	0.00397
11n/HT40	10.85	10±1(11)	12.59	1	1.2589	0.00315

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1905161191-3E, antenna gain=1dBi



5.8G 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)
11a	8.15	8±1(9)	7.94	1	1.2589	0.00199
11n(HT20)	6.67	6±1(7)	5.01	1	1.2589	0.00126
11n(HT40)	6.94	6±1(7)	5.01	1	1.2589	0.00126
11ac(HT20)	7.55	7±1(8)	6.31	1	1.2589	0.00158
11ac(HT40)	6.61	6±1(7)	5.01	1	1.2589	0.00126
11ac(HT80)	4.88	4±1(5)	3.16	1	1.2589	0.00079

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1905161191-2E, antenna gain=1dBi

Note: the device could not transmit simultaneously in 2.4G and 5G.

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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