## MPE ESTIMATION

## FCC ID: 2ABN7-SWNVKW

# 1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/cm <sup>2</sup> )	Averaging time(minutes)	
300MHz1.5GHz	F/1500	30	
1.5GHz100GHz	1.0	30	

# 2, Estimation Result

#### For 2.4G WIFI:

Mode	Max PK Output	Tune Up	Max Tune Up	Antenna	Antenna Gain	MPE
	power(dBm)	Power(dBm)	power(mW)	Gain(dBi)	(linear)	$(mW/cm^2)$
11b	13.28	$13\pm1(14)$	25.12	1	1.2589	0.00629
11g	12.54	$12\pm1(13)$	19.95	1	1.2589	0.00500
11n/HT20	12.28	$12\pm1(13)$	19.95	1	1.2589	0.00500
11n/HT40	11.67	$11 \pm 1(12)$	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 HK1811121650-E, antenna gain=1dBi.

Mode	СН	PK Output	Output	Antenna	Antenna Gain	MPE
		power(dBm)	power(mW)	Gain(dBi)	(linear)	$(mW/cm^2)$
11b	CH1	13.28	21.28	1	1.2589	0.00533
	СН6	12.65	18.41	1	1.2589	0.00461
	CH11	12.83	19.19	1	1.2589	0.00481
11g	CH1	12.54	17.95	1	1.2589	0.00450
	СН6	12.16	16.44	1	1.2589	0.00412
	CH11	12.33	17.10	1	1.2589	0.00428
11n/HT20	CH1	12.28	16.90	1	1.2589	0.00424
	СН6	11.75	14.96	1	1.2589	0.00375
	CH11	11.62	14.52	1	1.2589	0.00364
11n/HT40	CH1	11.67	14.69	1	1.2589	0.00368
	CH4	11.52	14.19	1	1.2589	0.00356
	CH7	10.95	12.45	1	1.2589	0.00312

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1811121650-E, antenna gain=1dBi.

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