



MPE ESTIMATION

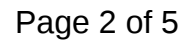
**Test report
On Behalf of
Fortune Joint Industry Co., Limited
For
Mini PC
Model No.: FJ-W211**

FCC ID: S74-FJW211

Prepared for : Fortune Joint Industry Co., Limited
Flat Rm 704, 7 F, Bright Way Tower, 33 Mong Kok Road, Mong Kok, KL,
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Date of Test: Jul. 10, 2018 ~ Jul. 17, 2018
Date of Report: Jul. 17, 2018



Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

2, Estimation Result

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	11.83	11±1(12)	15.85	1	1.2589	0.00397
11g	11.44	11±1(12)	15.85	1	1.2589	0.00397
11n/HT20	10.87	11±1(12)	15.85	1	1.2589	0.00397
11n/HT40	10.36	10±1(11)	12.59	1	1.2589	0.00315

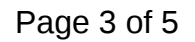
$$Pd = \frac{Pout * G}{4\pi r^2} ;$$

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK180710365-E, antenna gain=1dBi.



Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	11.36	13.68	1	1.2589	0.00343
	CH6	11.83	15.24	1	1.2589	0.00382
	CH11	11.55	14.29	1	1.2589	0.00358
11g	CH1	11.44	13.93	1	1.2589	0.00349
	CH6	11.21	13.21	1	1.2589	0.00331
	CH11	11.08	12.82	1	1.2589	0.00321
11n/HT20	CH1	10.87	12.22	1	1.2589	0.00306
	CH6	10.63	11.56	1	1.2589	0.00290
	CH11	10.54	11.32	1	1.2589	0.00284
11n/HT40	CH1	10.36	10.86	1	1.2589	0.00272
	CH4	9.95	9.89	1	1.2589	0.00248
	CH7	10.02	10.05	1	1.2589	0.00252
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK180710365-E, antenna gain=1dBi.						



For 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/cm²)
11a	16.35	16±1(17)	50.12	1	1.2589	0.01256
11n/HT20	16.06	16±1(17)	50.12	1	1.2589	0.01256
11n/HT40	15.56	16±1(17)	50.12	1	1.2589	0.01256

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK180710366-E, antenna gain=1dBi.



Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11a	CH149	16.35	43.15	1	1.2589	0.01081
	CH157	15.89	38.82	1	1.2589	0.00973
	CH165	16.22	41.88	1	1.2589	0.01049
11n/HT20	CH149	16.06	40.36	1	1.2589	0.01011
	CH157	15.84	38.37	1	1.2589	0.00961
	CH165	15.67	36.90	1	1.2589	0.00925
11n/HT40	CH151	15.56	35.97	1	1.2589	0.00901
	CH159	15.43	34.91	1	1.2589	0.00875
$Pd = \frac{P_{out} * G}{4\pi r^2} :$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK180710366-E, antenna gain=1dBi.						

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