

MPE REPORT

案 號： 1812C004
產 品 名 稱： AC600高增益無線雙頻USB網路卡
型 號： Archer T2U Plus
申請廠商（名稱）： 聯洲國際有限公司
申請廠商（地址）： 新北市板橋區中山路一段156號13樓

According to: LP0002 第 5.20.2 節

實驗室報告簽署人：



發 行 日 期：

108 年 03 月 13 日

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna:

For 2.4G:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	TP-LINK	3101502256	Dipole	I-PEX	2.65

For 5G:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	TP-LINK	3101502256	Dipole	I-PEX	4.45

TEST RESULTS:

For 2.4G

測試頻道: IEEE 802.11b
 檢 測 器: RMS
 環境溫度: 24°C

測試模式: TX
 測試日期: 107/12/17
 環境濕度: 33%

Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.65	1.8408	17.89	61.5177	0.02254	1	Complies

For 5G

For UNII-1

測試頻道: IEEE 802.11ac(40 MHz)
 檢 測 器: RMS
 環境溫度: 24°C

測試模式: TX
 測試日期: 107/12/17
 環境濕度: 33%

Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Output Power (dBm)	Conducted Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.45	2.7861	16.74	47.2063	0.02618	1	Complies

For UNII-2A

測試頻道: IEEE 802.11n(40 MHz)
 檢 測 器: RMS
 環境溫度: 24°C

測試模式: TX
 測試日期: 107/12/17
 環境濕度: 33%

Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Output Power (dBm)	Conducted Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.45	2.7861	16.88	48.7528	0.02704	1	Complies

For UNII-2C

測試頻道: IEEE 802.11ac(20 MHz)

測試模式: TX

檢 測 器: RMS

測試日期: 107/12/17

環境溫度: 24°C

環境濕度: 33%

Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Output Power (dBm)	Conducted Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.45	2.7861	17.47	55.8470	0.03097	1	Complies

For UNII-3

測試頻道: IEEE 802.11a

測試模式: TX

檢 測 器: RMS

測試日期: 107/12/17

環境溫度: 24°C

環境濕度: 33%

Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Output Power (dBm)	Conducted Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.45	2.7861	17.88	61.3762	0.03404	1	Complies

Note: The evaluated distance is 20cm.

結束