

Co-location Report

Applicant: TP-Link Technologies Co., Ltd.

Address: Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China

Application Type: Certification

Product: AX6000 MU-MIMO Wi-Fi Router

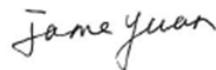
Model No.: Archer AX6000

Brand Name: tp-link

FCC Rule Part(s): Part 15 Subpart C (Section 15.247)
Part15 Subpart E (Section 15.407)

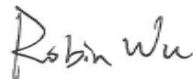
Test Date: August 06 ~ September 12, 2018

Reviewed By:



(Jame Yuan)

Approved By:



(Robin Wu)



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
1808RSU004-U6	Rev. 01	Initial Report	10-16-2018	Valid

1. TEST EQUIPMENT CALIBRATION DATE

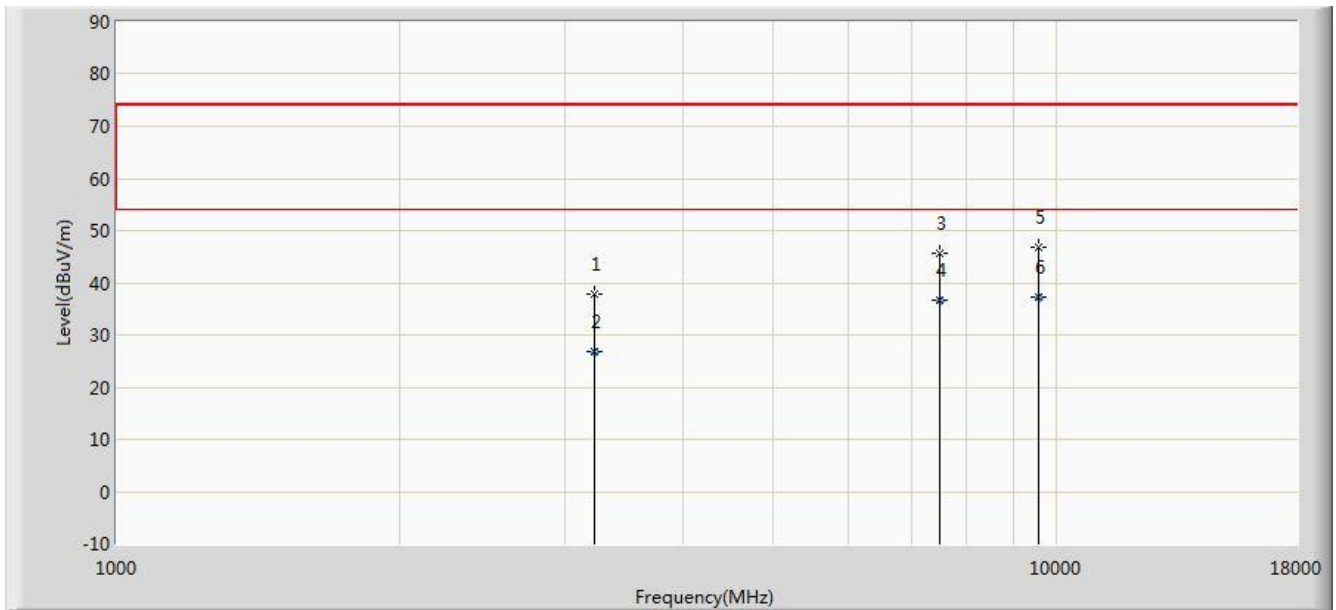
Radiated Emissions - AC2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
MXE EMI Receiver	Agilent	N9038A	MRTSUE06125	1 year	2019/08/14
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06452	1 year	2019/07/20
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2018/11/20
Bilog Period Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2018/10/21
Broad Band Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2018/11/18
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2018/12/14
Broadband Coaxial Preampfier	Agilent	BBV 9718	MRTSUE06176	1 year	2018/11/17
Preampfier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2019/06/13
Digital Thermometer & Hygrometer	MingGao	ETH529	MRTSUE06170	1 year	2018/12/12
Anechoic Chamber	RIKEN	Chamber-AC2	MRTSUE06213	1 year	2019/05/02

Software	Version	Function
EMI Software	V3	EMI Test Software

2. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz Wi-Fi + 2.4GHz BT + 5GHz Wi-Fi Transmit	Test Site:	AC2
Test Engineer:	Max Wang	Polarity:	Horizontal
Test Date	2018/08/25		
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3218.500	37.718	37.162	-36.282	74.000	0.556	PK
2			3218.500	26.676	26.120	-27.324	54.000	0.556	AV
3			7502.500	45.689	31.533	-28.311	74.000	14.155	PK
4			7502.500	36.566	22.410	-17.434	54.000	14.155	AV
5			9551.000	46.702	30.620	-27.298	74.000	16.082	PK
6		*	9551.000	37.132	21.050	-16.868	54.000	16.082	AV

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

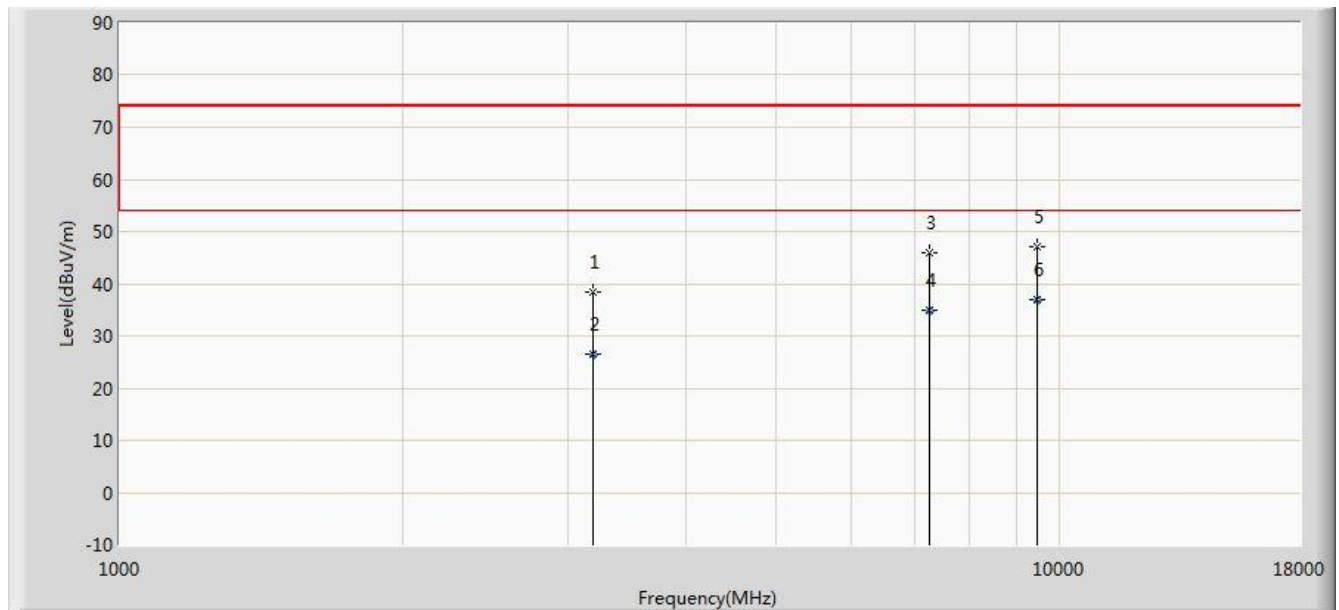
Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS, DSS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11n-HT20 Channel 2437MHz Power setting = 91;

5GHz Wi-Fi 802.11a Channel 5745MHz Power setting = 92;

2.4GHz Bluetooth DH5 channel 2480MHz.

Test Mode:	2.4GHz Wi-Fi + 2.4GHz BT + 5GHz Wi-Fi Transmit	Test Site:	AC2
Test Engineer:	Max Wang	Polarity:	Vertical
Test Date	2018/08/25		
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3184.500	38.306	37.668	-35.694	74.000	0.639	PK
2			3184.500	26.468	25.830	-27.532	54.000	0.639	AV
3			7264.500	46.014	32.042	-27.986	74.000	13.972	PK
4			7264.500	34.942	20.970	-19.058	54.000	13.972	AV
5			9474.500	47.162	31.286	-26.838	74.000	15.875	PK
6		*	9474.500	36.956	21.080	-17.044	54.000	15.875	AV

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS, DSS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11n-HT20 Channel 2437MHz Power setting = 91 ;

5GHz Wi-Fi 802.11a Channel 5745MHz Power setting = 92;

2.4GHz Bluetooth DH5 channel 2480MHz.

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Appendix A - Test Setup Photograph

Refer to "1808RSU004-UT" file.

Appendix B - EUT Photograph

Refer to "1808RSU004-UE" file.