



Co-location Report

FCC ID: TE7A10

APPLICANT: TP-Link Technologies Co., Ltd.

Application Type: Certification

Product: AC2300 Wireless MU-MIMO Gigabit Router

Model No.: Archer A10

Brand Name: tp-link

FCC Classification: Digital Transmission System (DTS)
Unlicensed National Information Infrastructure (UNII)

Test Date: December 16, 2017 ~ March 12, 2018

Reviewed By : Paddy Chen
(Paddy Chen)

Approved By : Chenz Ker
(Chenz Ker)



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 C63.4-2013. Test results reported herein relate only to the item(s) tested.

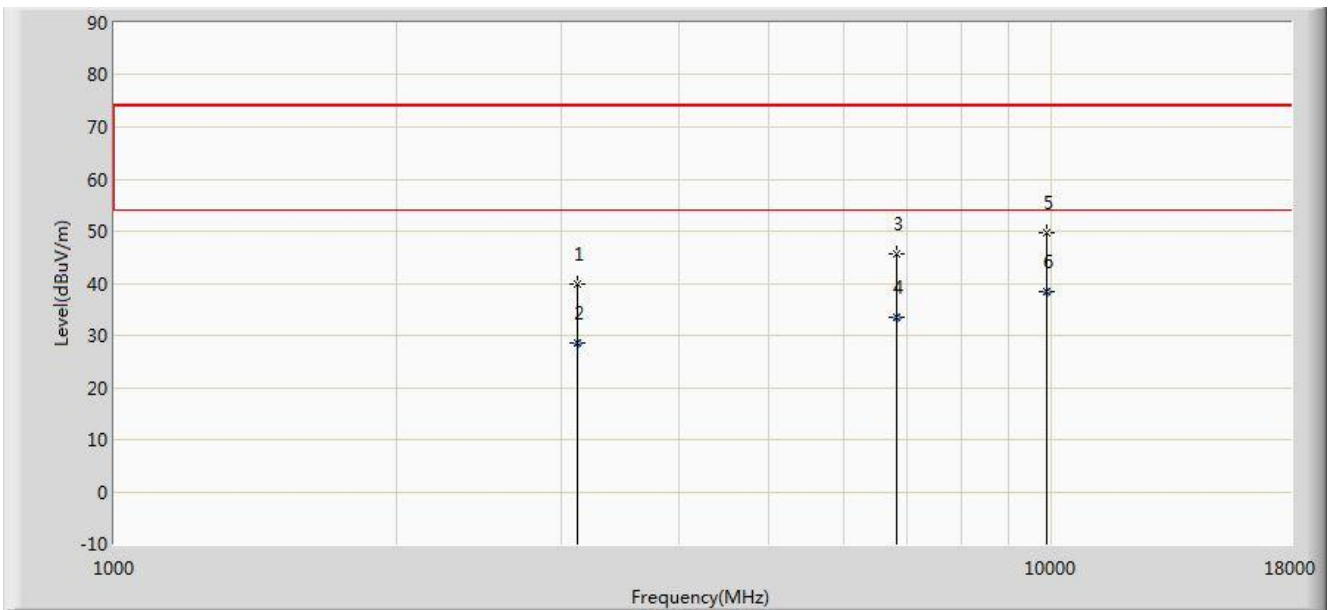
The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
1803TW0102-U3	Rev. 01	Initial report	03-20-2018	Valid

1. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz, 5GHz Wi-Fi	Test Site:	AC1
Test Engineer:	Kevin Ker	Polarity:	Horizontal
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			3124.000	39.803	42.133	-34.197	74.000	-2.330	PK
2			3124.500	28.647	30.973	-25.353	54.000	-2.327	AV
3			6823.000	45.761	36.551	-28.239	74.000	9.210	PK
4			6825.000	33.452	24.228	-20.548	54.000	9.223	AV
5			9882.500	49.709	34.071	-24.291	74.000	15.638	PK
6		*	9883.740	38.265	22.653	-15.735	54.000	15.612	AV

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

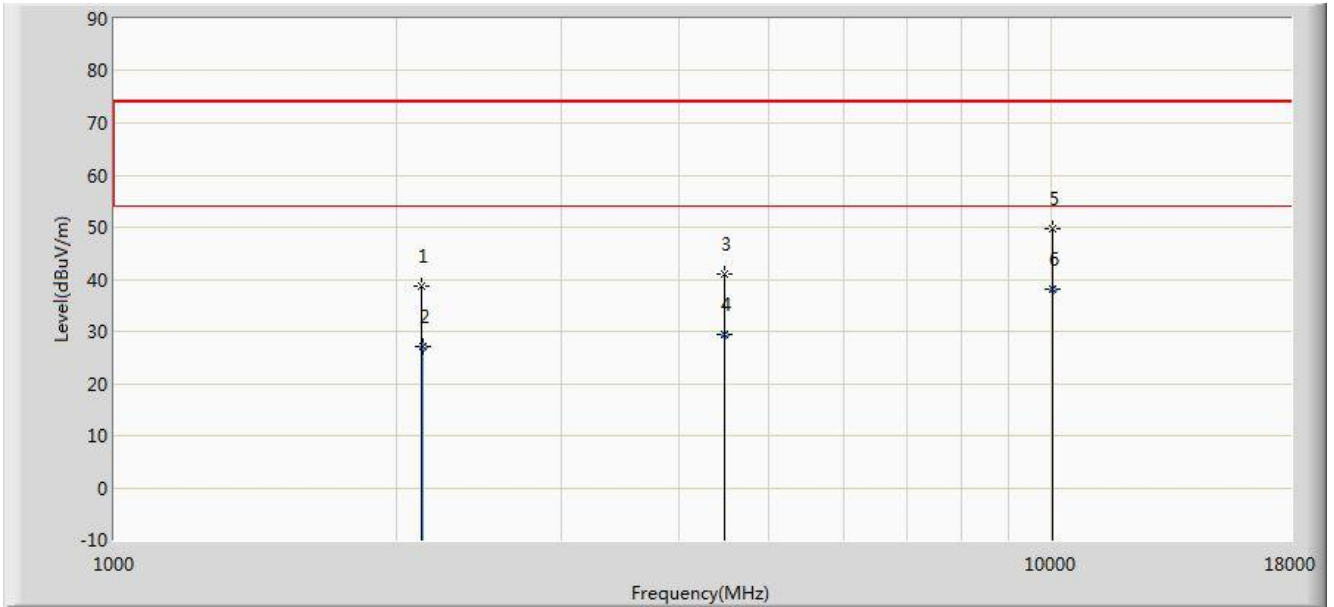
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

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

Note 3: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 1F;

5GHz Wi-Fi 802.11ac-VHT20 Channel 5785MHz Power setting = 1F;

Test Mode:	2.4GHz, 5GHz Wi-Fi	Test Site:	AC1
Test Engineer:	Kevin Ker	Polarity:	Vertical
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		*	2131.000	38.793	41.359	-35.207	74.000	-2.566	PK
2			2132.225	27.004	29.553	-26.996	54.000	-2.549	AV
3			4483.000	41.043	38.587	-32.957	74.000	2.455	PK
4			4485.216	29.396	26.928	-24.604	54.000	2.468	AV
5			10027.000	49.615	34.169	-24.385	74.000	15.447	PK
6			10029.350	38.066	22.613	-15.934	54.000	15.453	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 and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 1F;

5GHz Wi-Fi 802.11ac-VHT20 Channel 5785MHz Power setting = 1F;

_____ The End _____