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Report No.: 1501RSU00404  
Report Version: V01  
Issue Date: 03-12-2015

## Co-location Report

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**FCC ID:** 2AC9MADTRAN424RG

**APPLICANT:** Wuxi MitraStar Technology Co., Ltd

**Application Type:** Certification

**Product:** Indoor GPON HGU

**Model No.:** 424RG

**Trademark:** ADTRAN

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

**Test Date:** Jan. 13 ~ Feb. 06, 2015

Reviewed By : Robin Wu  
( Robin Wu )

Approved By : Marlin Chen  
( Marlin Chen )



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 C63.4-2009. Test results reported herein relate only to the item(s) tested.

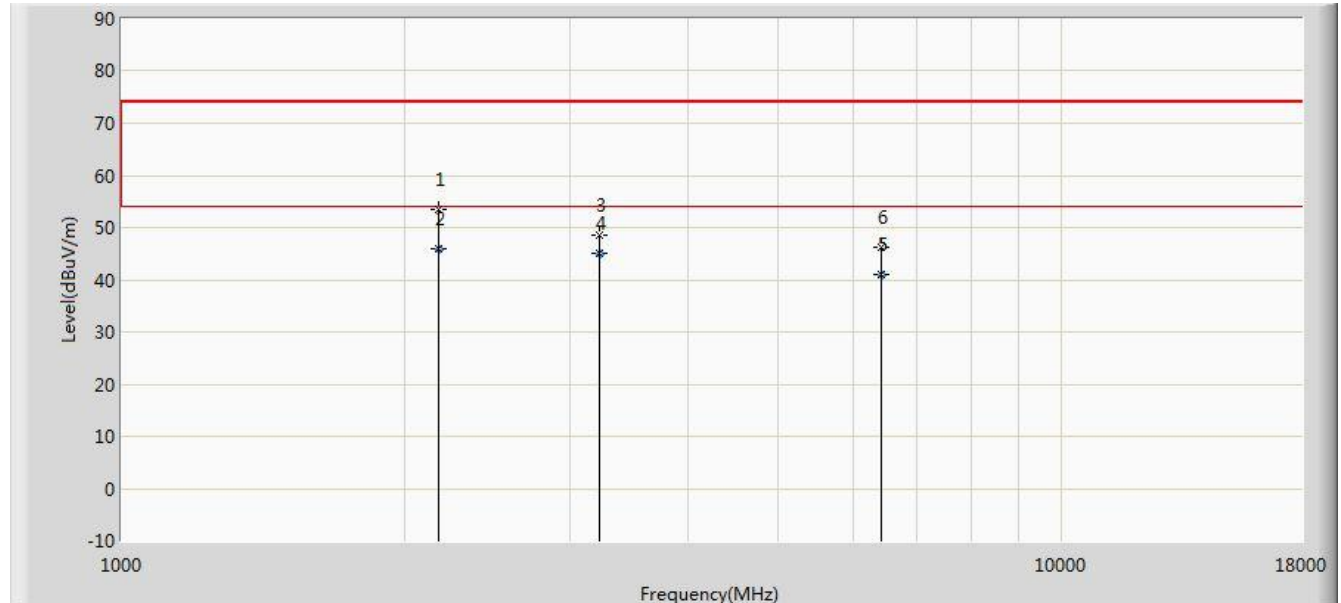
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## Revision History

Report No.	Version	Description	Issue Date
1501RSU00404	Rev. 01	Initial report	03-12-2015

## 1. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz + 5GHz Transmit	Test Site:	AC1
Test Engineer:	Roy Cheng	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.		

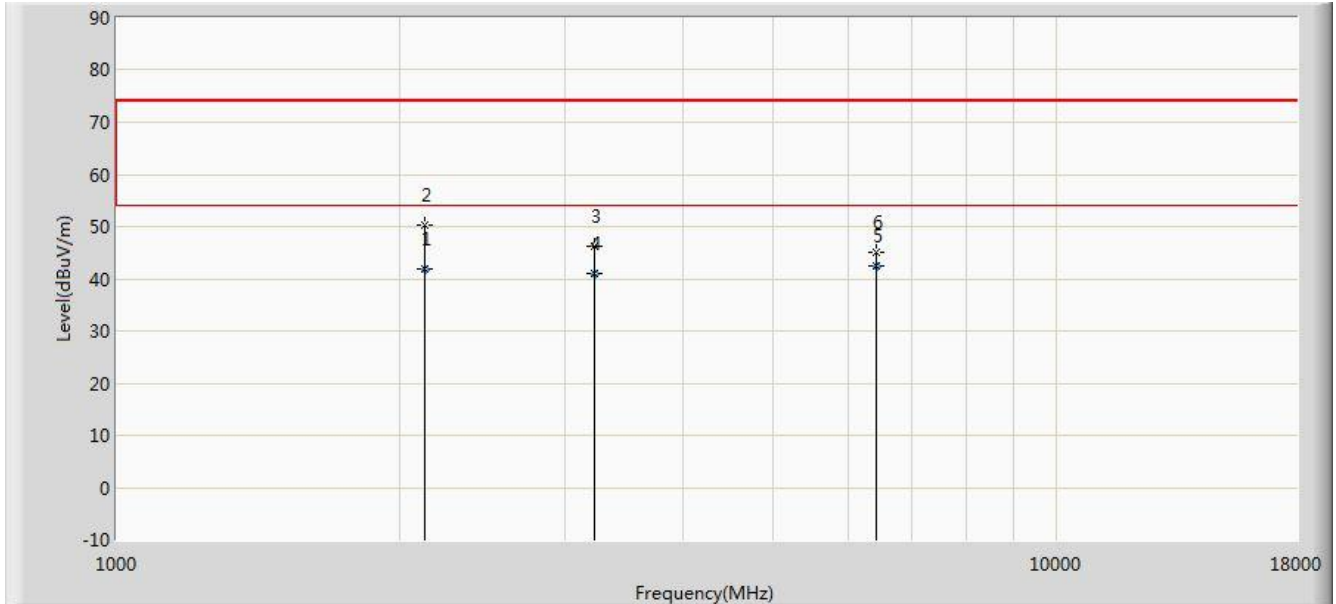


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2173.000	53.548	57.455	-20.452	74.000	-3.907	PK
2		*	2173.636	45.799	49.699	-8.201	54.000	-3.900	AV
3			3218.500	48.521	50.155	-25.479	74.000	-1.634	PK
4			3218.655	45.001	46.635	-8.999	54.000	-1.634	AV
5			6431.260	40.998	35.360	-13.002	54.000	5.638	AV
6			6431.500	46.113	40.473	-27.887	74.000	5.640	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Test Mode:	2.4GHz + 5GHz Transmit	Test Site:	AC1
Test Engineer:	Roy Cheng	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			2130.255	41.986	46.358	-12.014	54.000	-4.373	AV
2			2130.500	50.290	54.660	-23.710	74.000	-4.369	PK
3			3218.500	46.101	47.735	-27.899	74.000	-1.634	PK
4			3218.625	40.998	42.632	-13.002	54.000	-1.634	AV
5		*	6431.254	42.590	36.952	-11.410	54.000	5.638	AV
6			6431.500	44.969	39.329	-29.031	74.000	5.640	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

The End