MRT Technology (Suzhou) Co., Ltd
Phone: +86-512-66308358
Fax: +86-512-66308368
Web: www.mrt-cert.com

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

Co-location Report

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   :   *Marlinchen*
                          (Marlin Chen)

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.		
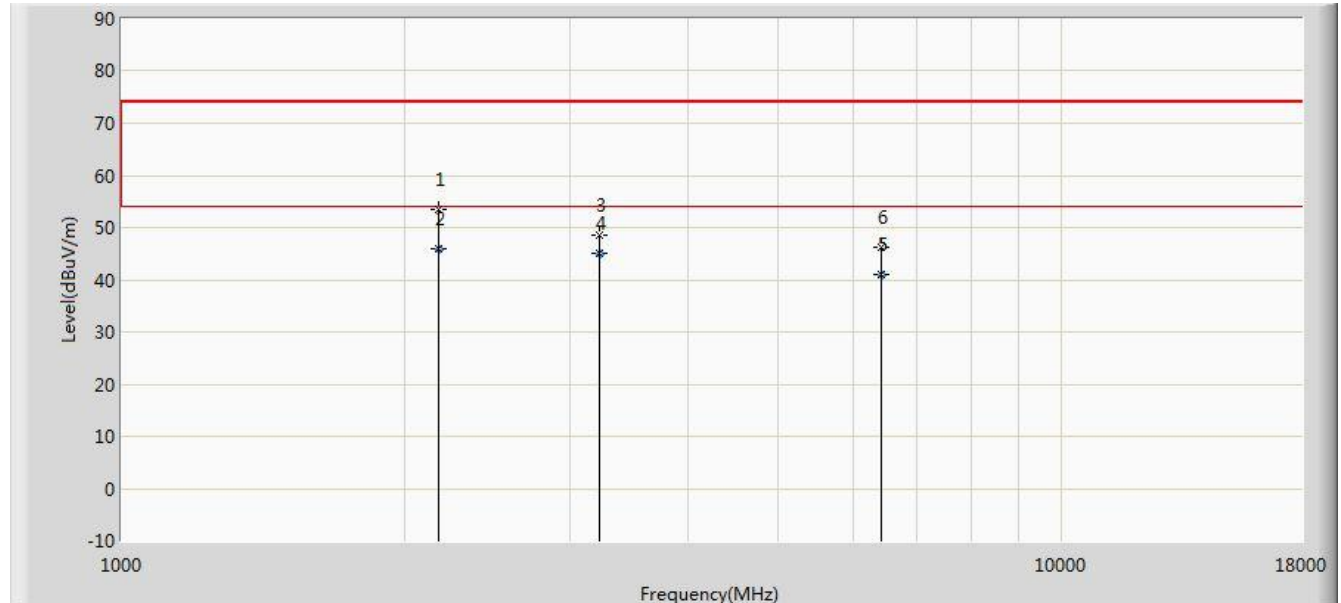
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2173.000	53.548	57.455	-20.452	74.000	-3.907	PK
2		*	2173.636	45.799	49.699	-8.201	54.000	-3.900	AV
3			3218.500	48.521	50.155	-25.479	74.000	-1.634	PK
4			3218.655	45.001	46.635	-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 (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

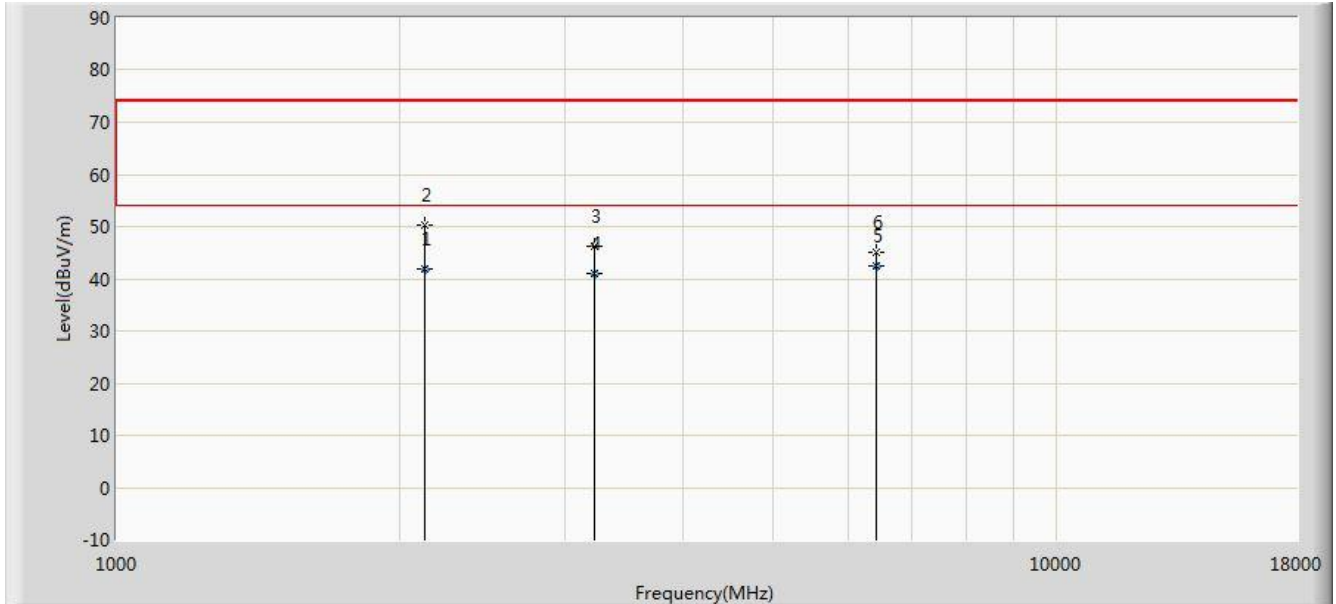| Test Mode:	2.4GHz + 5GHz Transmit	Test Site:	AC1
Test Engineer:	Roy Cheng	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		

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 (dBµV/m) = Reading Level (dBµV) + Factor (dB)

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

The End