



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

Report No.: 1601RSU02005  
Report Version: V01  
Issue Date: 02-18-2016

## Co-location Report

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**FCC ID:** 2ACS5-ST16

**APPLICANT:** Yuneec Technology Co., Limited

**Application Type:** Certification

**Product:** Radio Controller

**Model No.:** ST16\*\*\*\*\* (The "\*" can be 0 to 9, a to z, A to Z, blank or plus, for marketing purpose.)

**Brand Name:** YUNEEC

**FCC Classification:** Digital Transmission System (DTS)

Unlicensed National Information Infrastructure (UNII)

**Test Date:** January 22 ~ February 05, 2016

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 C63.4-2014. 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.

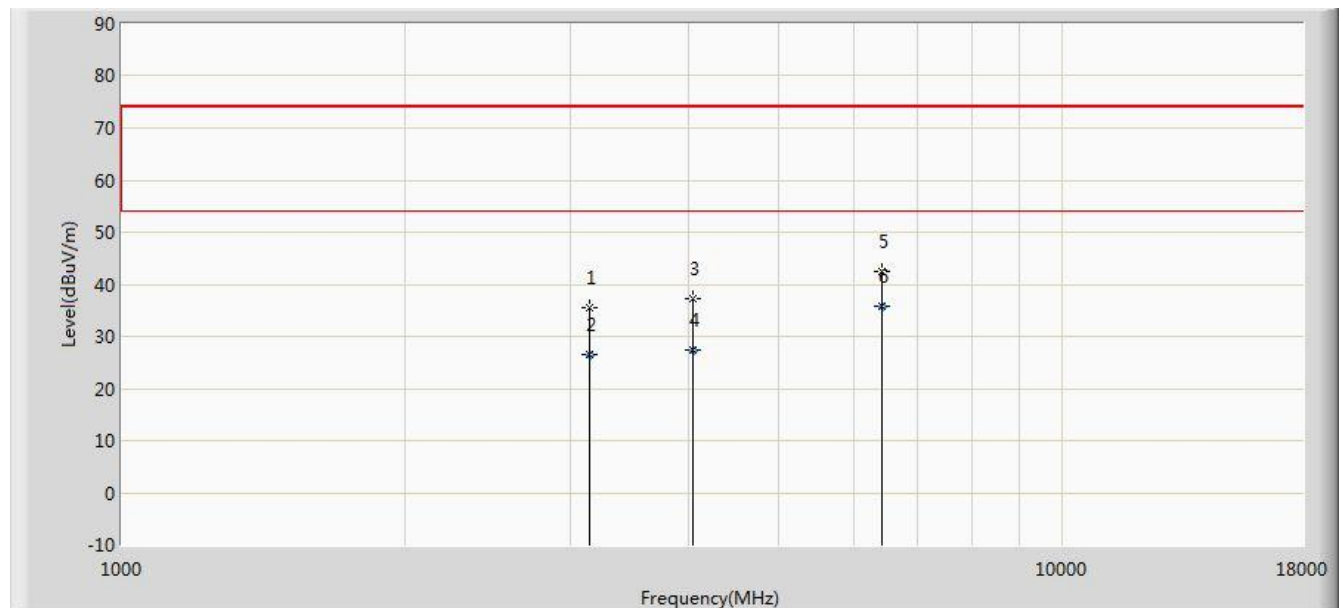
## Revision History

Report No.	Version	Description	Issue Date
1601RSU02005	Rev. 01	Initial report	02-18-2016

Note: The EUT's WLAN 2.4GHz and WLAN 5GHz can't transmit simultaneously.

## 1. Test Result of Radiated Emissions for Co-located

Test Mode:	2.4GHz ZigBee + 5GHz WLAN 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.		



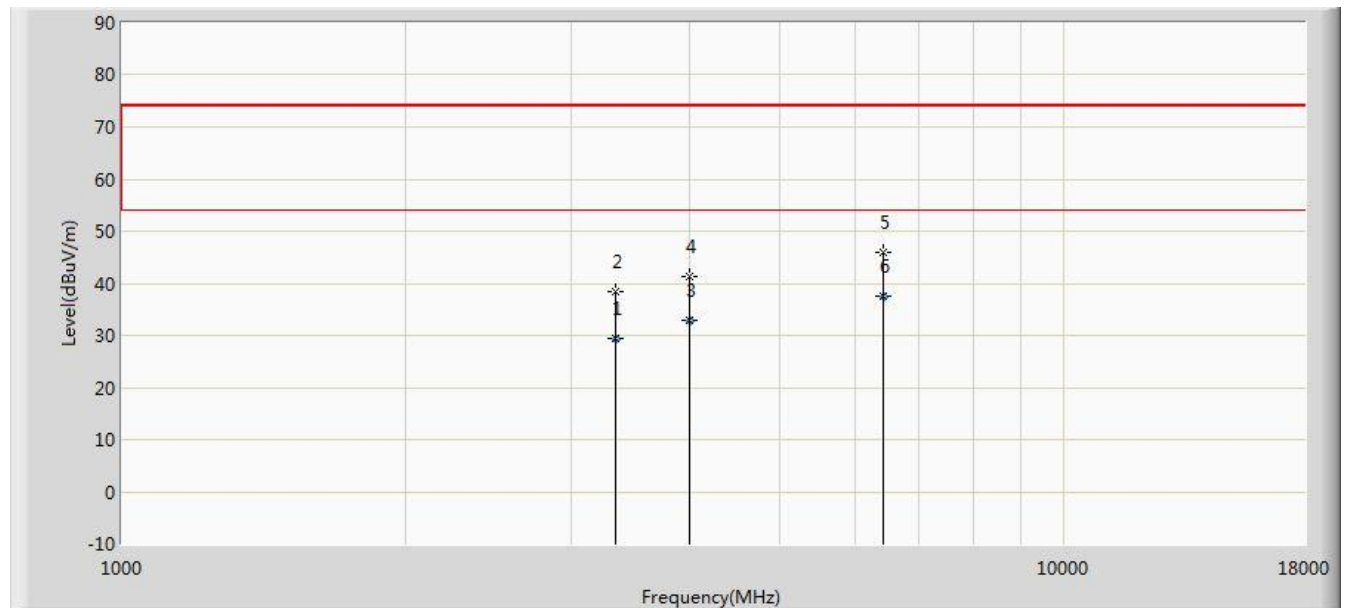
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3142.000	35.536	38.415	-38.464	74.000	-2.879	PK
2			3142.300	26.622	29.500	-27.378	54.000	-2.877	AV
3			4043.000	37.197	37.875	-36.803	74.000	-0.678	PK
4			4043.140	27.463	28.140	-26.537	54.000	-0.677	AV
5			6431.500	42.358	36.623	-31.642	74.000	5.736	PK
6		*	6431.540	35.666	29.930	-18.334	54.000	5.736	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.

Test Mode:	2.4GHz ZigBee + 5GHz WLAN 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.		



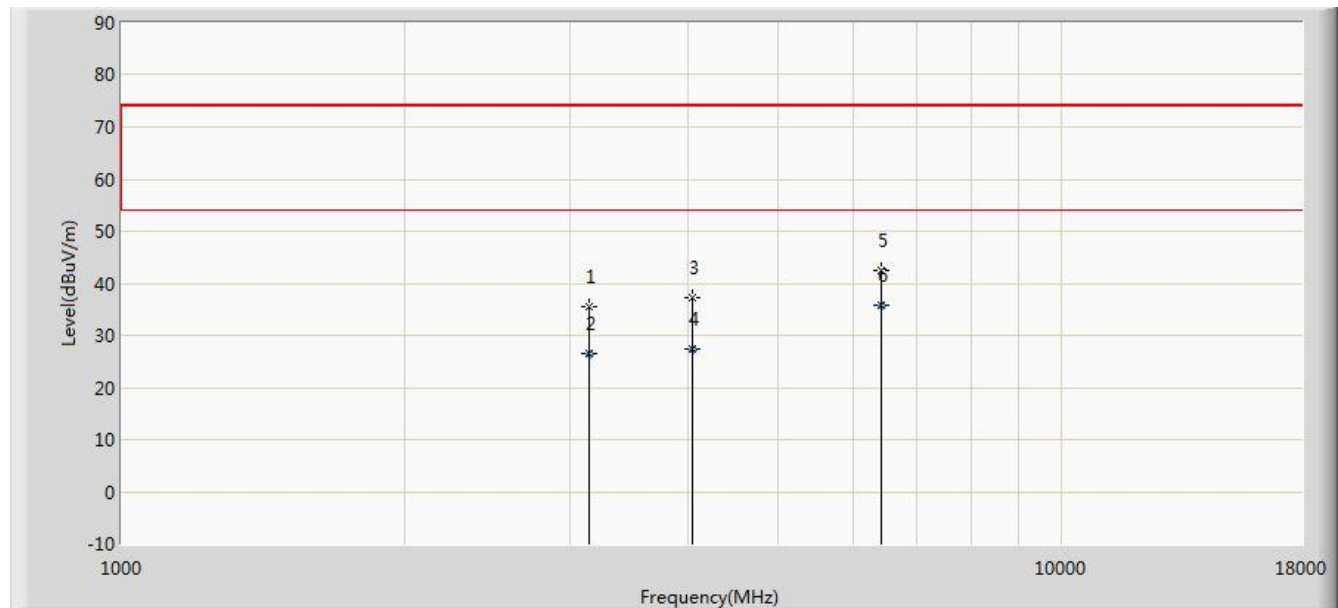
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3337.470	29.457	31.840	-24.543	54.000	-2.383	AV
2			3337.500	38.539	40.922	-35.461	74.000	-2.383	PK
3			4000.490	32.895	33.700	-21.105	54.000	-0.805	AV
4			4000.500	41.411	42.216	-32.589	74.000	-0.805	PK
5			6431.500	46.038	40.303	-27.962	74.000	5.736	PK
6		*	6431.520	37.606	31.870	-16.394	54.000	5.736	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.

Test Mode:	2.4GHz ZigBee + 2.4GHz WLAN 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.		



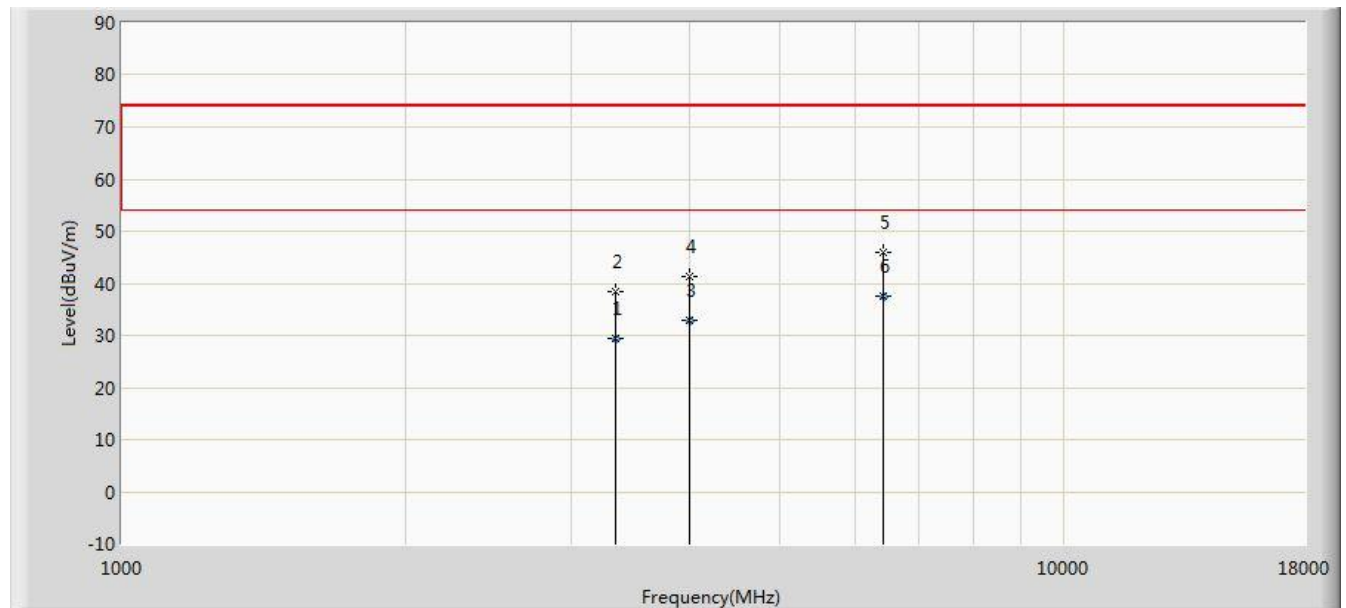
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Note 2: We selected the 2.4GHz worst-case mode of radiated spurious emissions in the ZigBee and WLAN DTS reports.

Test Mode:	2.4GHz ZigBee + 2.4GHz WLAN 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.		



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

The End