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Report No.: 1607RSU01405  
Report Version: V01  
Issue Date: 07-25-2016

## Co-location Report

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**FCC ID:** 2ACS5-ST16P

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

**Application Type:** Certification

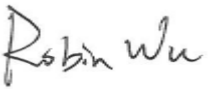
**Product:** Personal Ground Station


**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:** July 20 ~ 21, 2016

Reviewed By :   
Manager : \_\_\_\_\_  
( Robin Wu )

Approved By :   
CEO : \_\_\_\_\_  
( 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.

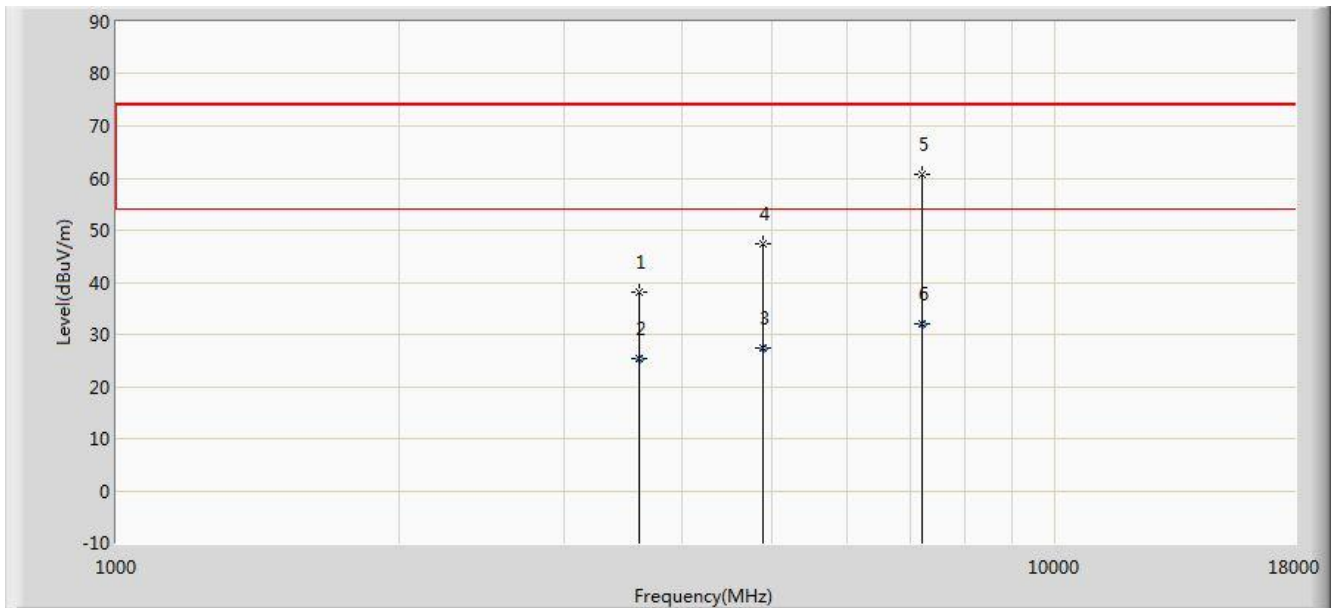
## Revision History

Report No.	Version	Description	Issue Date	Note
1607RSU01405	Rev. 01	Initial report	07-25-2016	Valid

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.		



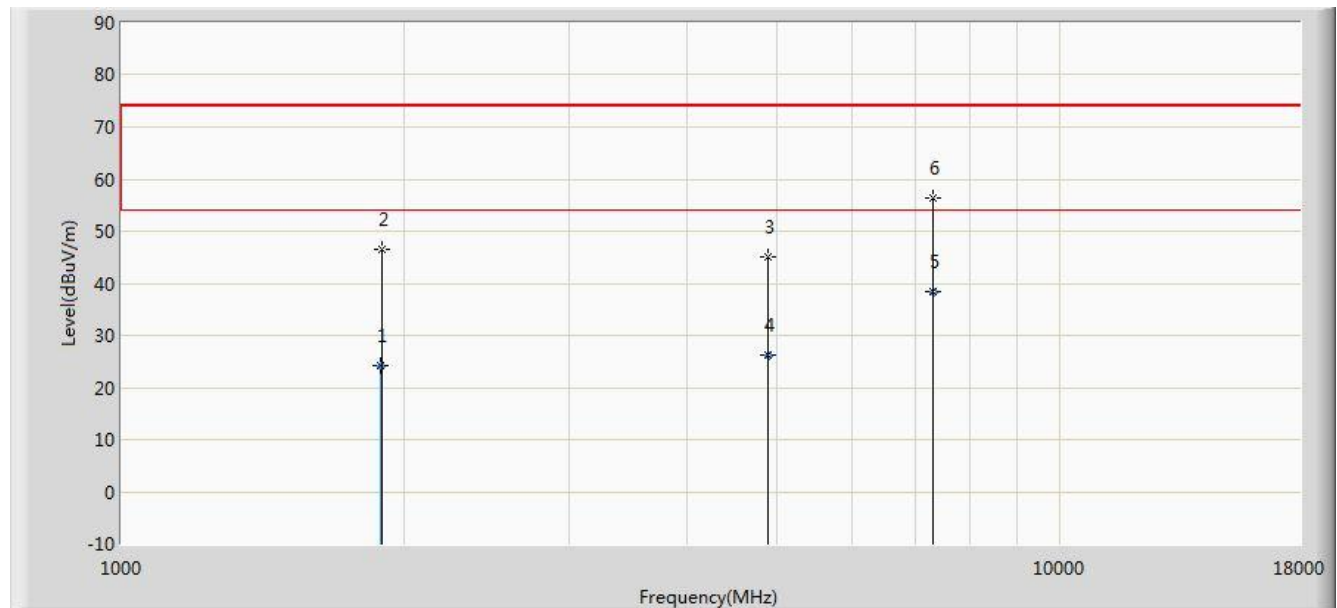
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			3609.500	38.124	38.785	-35.876	74.000	-0.660	PK
2			3609.500	25.313	25.974	-28.687	54.000	-0.660	AV
3			4884.000	27.252	24.568	-26.748	54.000	2.684	AV
4			4884.500	47.414	44.729	-26.586	74.000	2.684	PK
5		*	7213.500	60.674	52.877	-13.326	74.000	7.797	PK
6			7214.000	31.903	24.107	-22.097	54.000	7.796	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.		



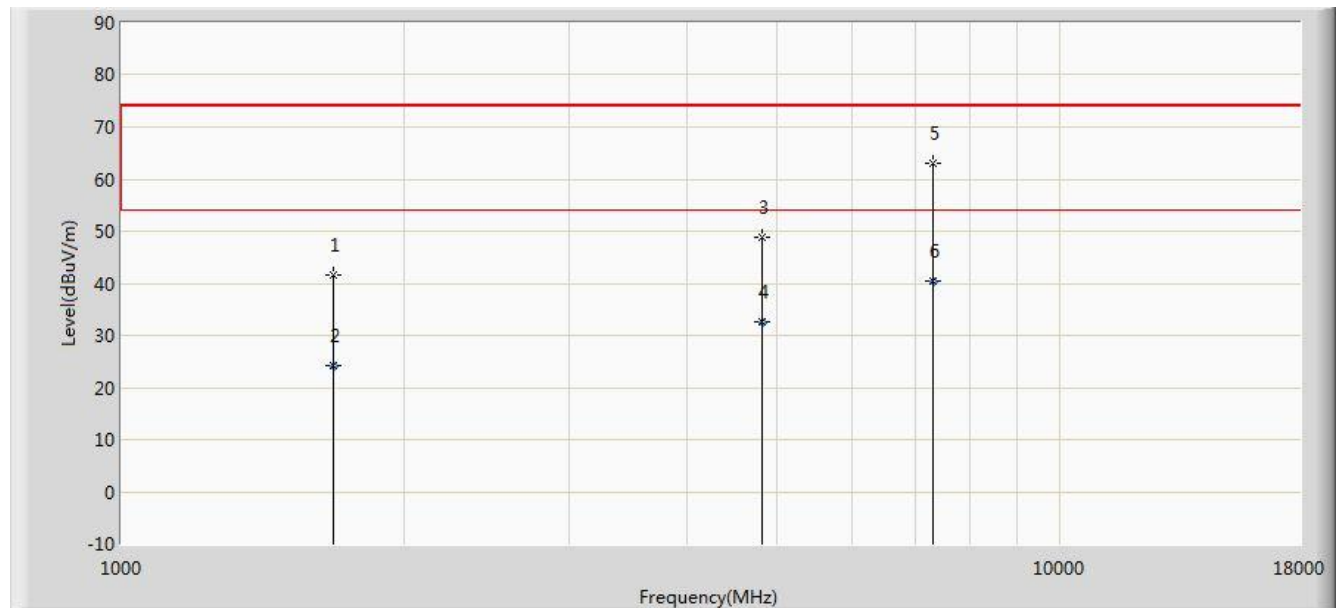
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			1892.000	24.194	30.547	-29.806	54.000	-6.353	AV
2			1892.500	46.396	52.745	-27.604	74.000	-6.349	PK
3			4876.000	44.930	42.255	-29.070	74.000	2.675	PK
4			4876.000	26.249	23.574	-27.751	54.000	2.675	AV
5		*	7315.000	38.533	30.517	-15.467	54.000	8.015	AV
6			7315.500	56.499	48.482	-17.501	74.000	8.018	PK

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.		



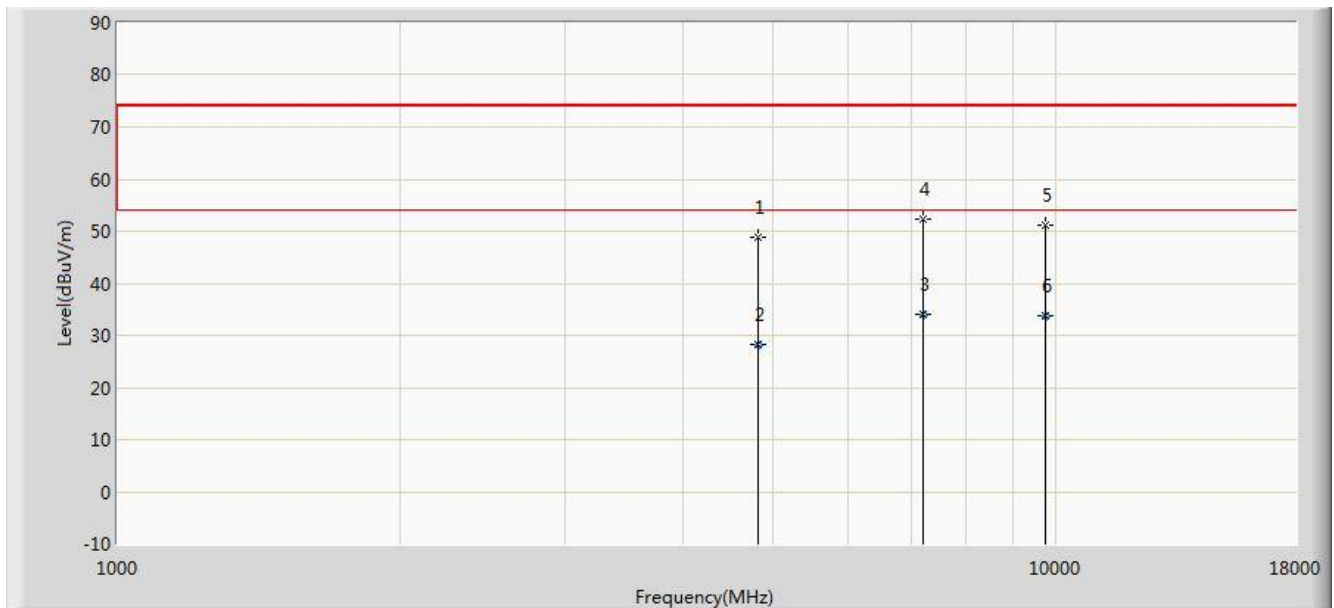
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			1680.000	41.521	49.087	-32.479	74.000	-7.566	PK
2			1680.000	24.108	31.674	-29.892	54.000	-7.566	AV
3			4808.000	48.879	46.185	-25.121	74.000	2.694	PK
4			4808.000	32.741	30.047	-21.259	54.000	2.694	AV
5		*	7324.000	63.075	55.032	-10.925	74.000	8.043	PK
6			7324.000	40.460	32.417	-13.540	54.000	8.043	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 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.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4808.000	48.894	46.200	-25.106	74.000	2.694	PK
2			4808.000	28.308	25.614	-25.692	54.000	2.694	AV
3		*	7213.000	34.114	26.317	-19.886	54.000	7.797	AV
4			7213.500	52.449	44.652	-21.551	74.000	7.797	PK
5			9755.000	51.147	39.757	-22.853	74.000	11.390	PK
6			9755.000	33.727	22.337	-20.273	54.000	11.390	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 worst-case mode of radiated spurious emissions in the ZigBee and WLAN DTS reports.

The End