



Co-location Report

FCC ID: 2ACS5-ST16P

APPLICANT: Yuneec Technology Co., Limited

Application Type: Certification

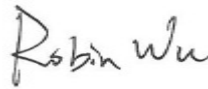
Product: Personal Ground Station


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.

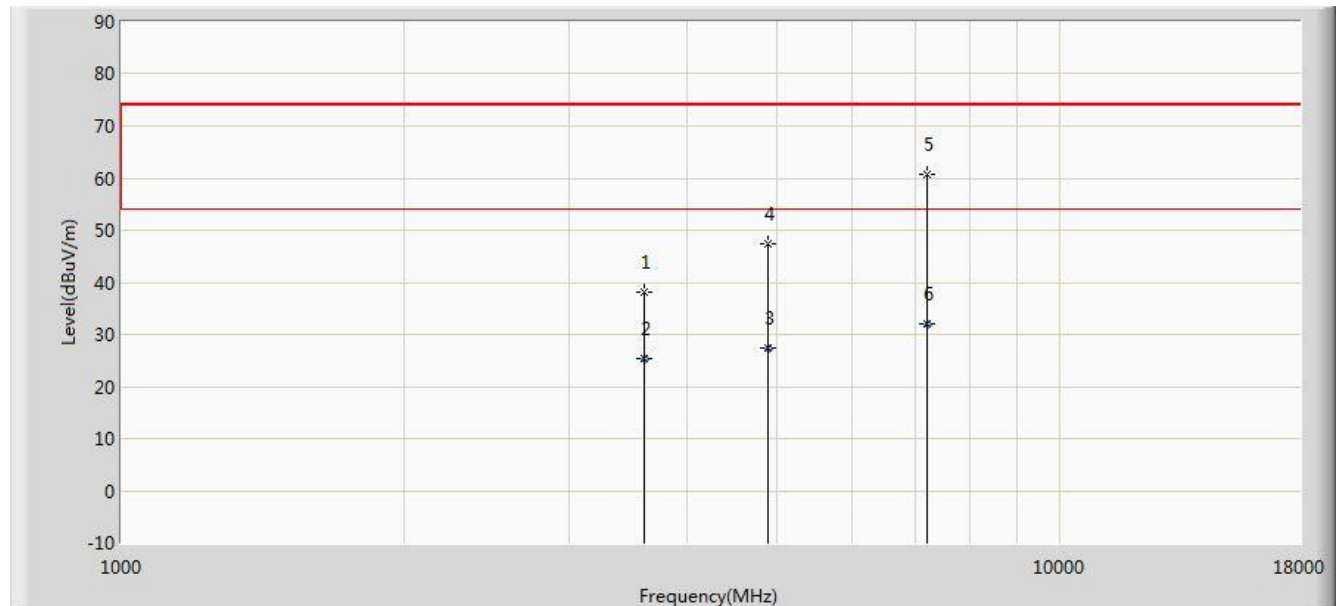
Revision History

| 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. | | |



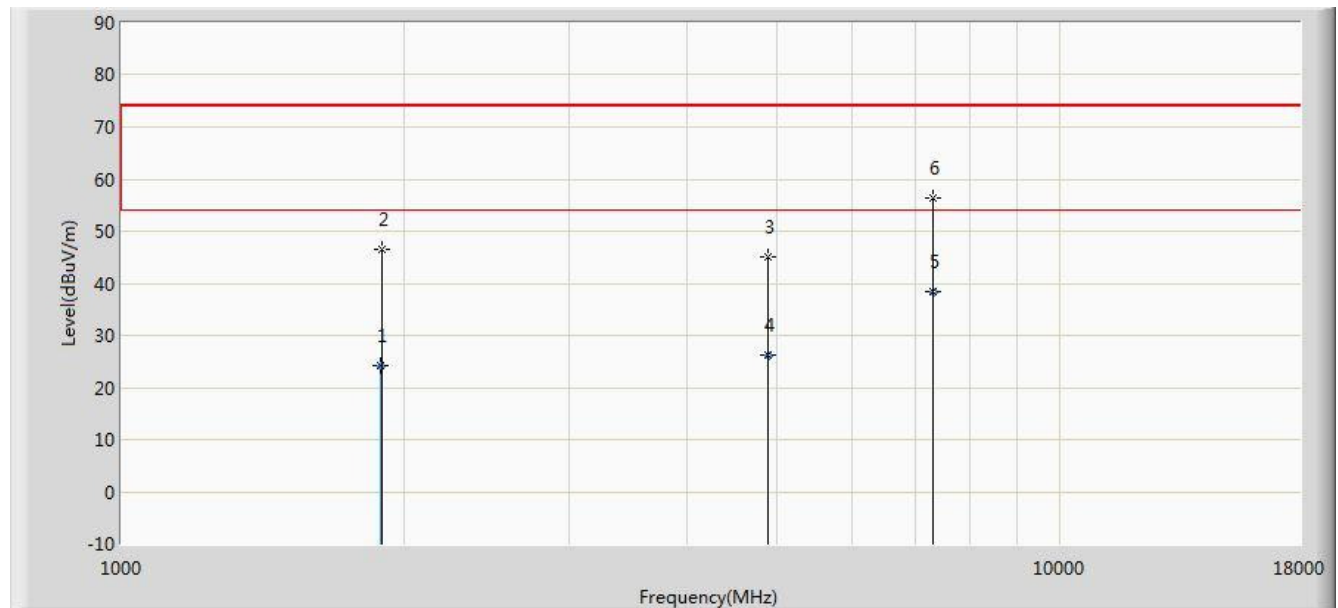
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | | | 3609.500 | 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. | | |



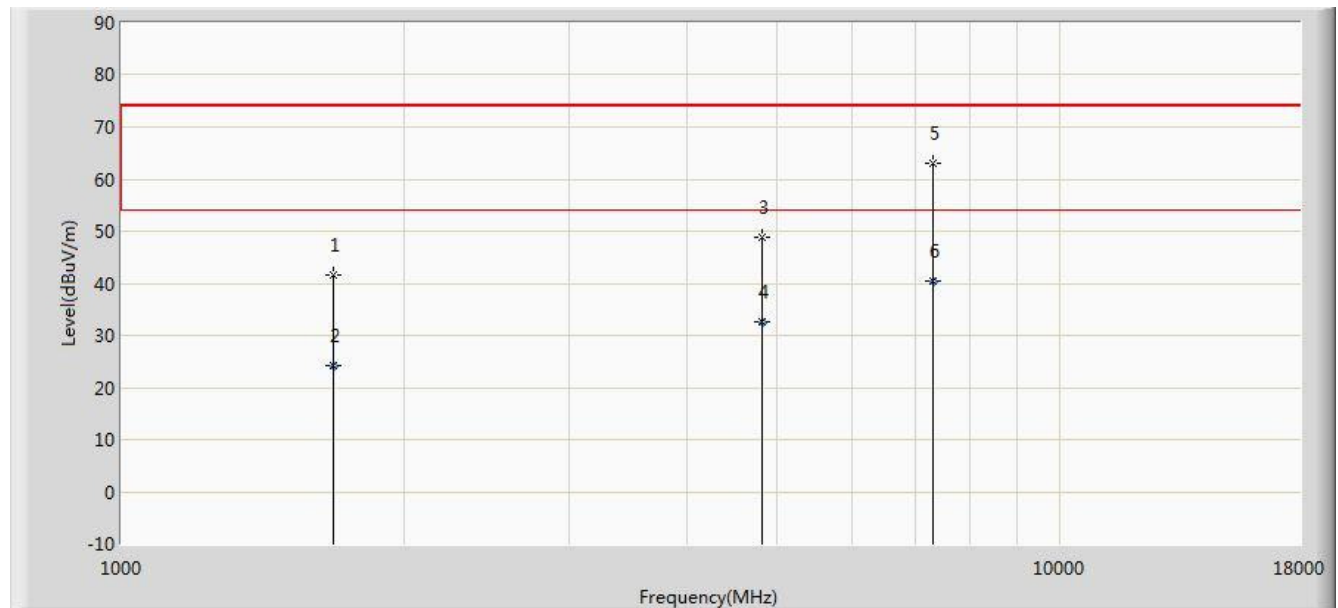
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | | | 1892.000 | 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. | | |



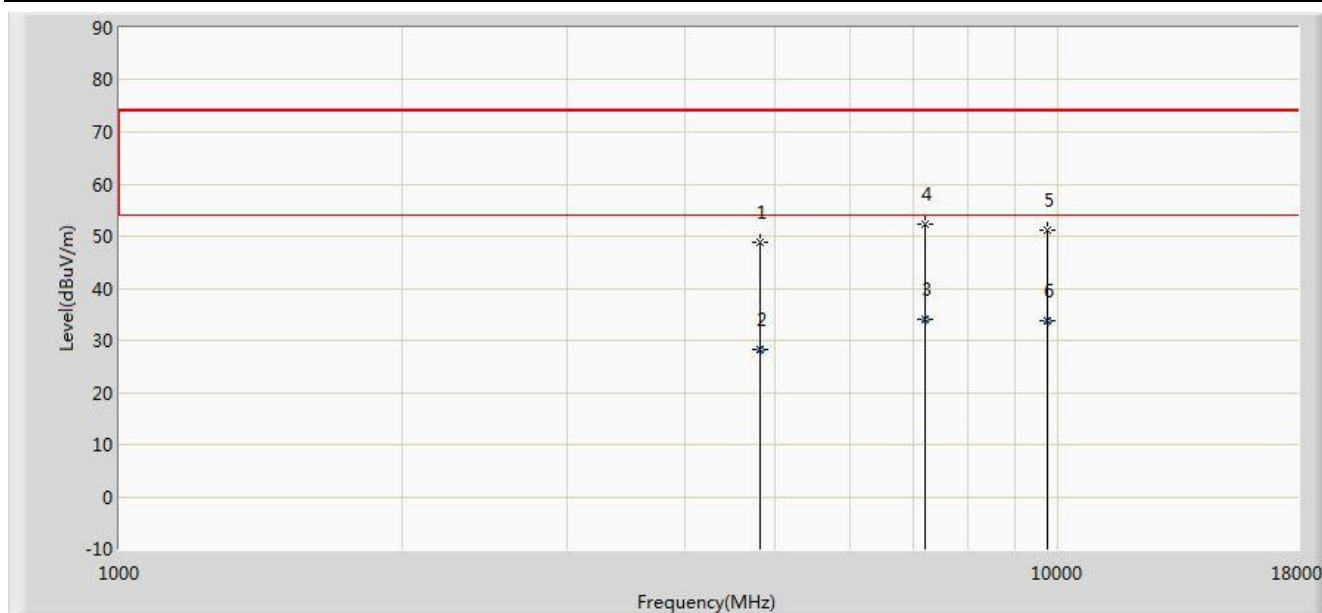
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | | | 1680.000 | 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