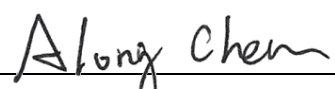


# FCC Test Report

**FCC ID** : NKR-DHUAW8S  
**Equipment** : WLAN/Bluetooth module - 802.11ac/a/b/g/n  
2x2 & BT4.1  
**Model No.** : DHUA-W8S  
**Brand Name** : Wistron NeWeb Corp.  
**Applicant** : Wistron NeWeb Corporation  
**Address** : 20 Park Avenue II, Hsinchu Science Park,  
Hsinchu 308,Taiwan,R.O.C.  
**Standard** : 47 CFR FCC Part 15.407  
**Received Date** : Dec. 18, 2017  
**Tested Date** : Dec. 25, 2017 ~ Jan. 04, 2018

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

  
\_\_\_\_\_  
Along Chen / Assistant Manager

Approved by:

  
\_\_\_\_\_  
Gary Chang / Manager



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## Release Record

| Report No. | Version | Description   | Issued Date   |
|------------|---------|---------------|---------------|
| FR7D1803AN | Rev. 01 | Initial issue | Feb. 02, 2018 |

## Summary of Test Results

| FCC Rules           | Test Items                  | Measured                                                                                                     | Result |
|---------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|--------|
| 15.207              | Conducted Emissions         | [dBuV]: 0.466MHz<br>23.61 (Margin -22.97dB) - AV                                                             | Pass   |
| 15.407(b)<br>15.209 | Radiated Emissions          | [dBuV/m at 3m]: 5470.00MHz<br>67.79 (Margin -0.41dB) - PK                                                    | Pass   |
| 15.407(a)           | Emission Bandwidth          | Meet the requirement of limit                                                                                | Pass   |
| 15.407(e)           | 6dB bandwidth               | Meet the requirement of limit                                                                                | Pass   |
| 15.407(a)           | RF Output Power             | Max Power [dBm]:<br>5150~5250MHz: 17.07<br>5250~5350MHz: 17.28<br>5470~5725MHz: 17.14<br>5725~5850MHz: 17.21 | Pass   |
| 15.407(a)           | Peak Power Spectral Density | Meet the requirement of limit                                                                                | Pass   |
| 15.407(g)           | Frequency Stability         | Meet the requirement of limit                                                                                | Pass   |
| 15.203              | Antenna Requirement         | Meet the requirement of limit                                                                                | Pass   |

# 1 General Description

## 1.1 Information

### 1.1.1 Specification of the Equipment under Test (EUT)

| RF General Information                           |                  |                                                  |                                                       |                                    |                 |
|--------------------------------------------------|------------------|--------------------------------------------------|-------------------------------------------------------|------------------------------------|-----------------|
| Frequency Range (MHz)                            | IEEE Std. 802.11 | Ch. Freq. (MHz)                                  | Channel Number                                        | Transmit Chains (N <sub>TX</sub> ) | Data Rate / MCS |
| 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | a                | 5180-5240<br>5260-5320<br>5500-5700<br>5745-5825 | 36-48 [4]<br>52-64 [4]<br>100-140 [11]<br>149-165 [5] | 2                                  | 6-54 Mbps       |
| 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | n (HT20)         | 5180-5240<br>5260-5320<br>5500-5700<br>5745-5825 | 36-48 [4]<br>52-64 [4]<br>100-140 [11]<br>149-165 [5] | 2                                  | MCS 0-15        |
| 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | n (HT40)         | 5190-5230<br>5270-5310<br>5510-5670<br>5755-5795 | 38-46 [2]<br>54-62 [2]<br>102-134 [5]<br>151-159 [2]  | 2                                  | MCS 0-15        |
| 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | ac (VHT20)       | 5180-5240<br>5260-5320<br>5500-5700<br>5745-5825 | 36-48 [4]<br>52-64 [4]<br>100-140 [11]<br>149-165 [5] | 2                                  | MCS 0-9         |
| 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | ac (VHT40)       | 5190-5230<br>5270-5310<br>5510-5670<br>5755-5795 | 38-46 [2]<br>54-62 [2]<br>102-134 [5]<br>151-159 [2]  | 2                                  | MCS 0-9         |
| 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | ac (VHT80)       | 5210<br>5290<br>5530-5610<br>5775                | 42 [1]<br>58 [1]<br>106-122 [2]<br>155 [1]            | 2                                  | MCS 0-9         |

Note 1: RF output power specifies that Maximum Conducted Output Power.  
Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

### 1.1.2 Antenna Details

| Ant. No. | Model          | Type | Connector | Operating Frequency (MHz) / Gain (dBi) |           |           |           |           | Cable length (mm) |
|----------|----------------|------|-----------|----------------------------------------|-----------|-----------|-----------|-----------|-------------------|
|          |                |      |           | 2400~2483.5                            | 5150~5250 | 5250~5350 | 5470~5725 | 5725~5850 |                   |
| 1        | 025.9019W.0001 | PIFA | UFL       | -1.9                                   | 2.2       | 2.5       | 3.2       | 3.4       | 320               |
| 2        | 025.9019V.0001 | PIFA | UFL       | -3.5                                   | 3.1       | 3.3       | 3.7       | 3.9       | 550               |
|          | 025.9019U.0001 | PIFA | UFL       | -3.4                                   | 0.7       | 1.1       | 1.4       | 1.2       | 820               |

### 1.1.3 Power Supply Type of Equipment under Test (EUT)

|                          |                  |
|--------------------------|------------------|
| <b>Power Supply Type</b> | 3.3Vdc from host |
|--------------------------|------------------|

### 1.1.4 Accessories

N/A

### 1.1.5 Channel List

| 802.11 a / HT20 / VHT20 |                | HT40 / VHT40 |                |
|-------------------------|----------------|--------------|----------------|
| Channel                 | Frequency(MHz) | Channel      | Frequency(MHz) |
| 36                      | 5180           | 38           | 5190           |
| 40                      | 5200           | 46           | 5230           |
| 44                      | 5220           | 54           | 5270           |
| 48                      | 5240           | 62           | 5310           |
| 52                      | 5260           | 102          | 5510           |
| 56                      | 5280           | 110          | 5550           |
| 60                      | 5300           | 118          | 5590           |
| 64                      | 5320           | 126          | 5630           |
| 100                     | 5500           | 134          | 5670           |
| 104                     | 5520           | 151          | 5755           |
| 108                     | 5540           | 159          | 5795           |
| 112                     | 5560           | <b>VHT80</b> |                |
| 116                     | 5580           | 42           | 5210           |
| 120                     | 5600           | 58           | 5290           |
| 124                     | 5620           | 106          | 5530           |
| 128                     | 5640           | 122          | 5610           |
| 132                     | 5660           | 155          | 5775           |
| 136                     | 5680           | ---          | ---            |
| 140                     | 5700           | ---          | ---            |
| 149                     | 5745           | ---          | ---            |
| 153                     | 5765           | ---          | ---            |
| 157                     | 5785           | ---          | ---            |
| 161                     | 5805           | ---          | ---            |
| 165                     | 5825           | ---          | ---            |

### 1.1.6 Test Tool and Duty Cycle

| Test Tool                  | QCARCT, Version: 3.0.187.0 |                |                  |
|----------------------------|----------------------------|----------------|------------------|
| Duty Cycle and Duty Factor | Mode                       | Duty cycle (%) | Duty factor (dB) |
|                            | 11a                        | 98.55%         | 0.06             |
|                            | VHT20                      | 98.44%         | 0.07             |
|                            | VHT40                      | 94.84%         | 0.23             |
|                            | VHT80                      | 90.13%         | 0.45             |

### 1.1.7 Power Setting

| For Frequency band 5150-5250 MHz |                      |           |
|----------------------------------|----------------------|-----------|
| Modulation Mode                  | Test Frequency (MHz) | Power Set |
| 11a                              | 5180                 | 16.5      |
| 11a                              | 5200                 | 16        |
| 11a                              | 5240                 | 16        |
| HT20                             | 5180                 | 16.5      |
| HT20                             | 5200                 | 16.5      |
| HT20                             | 5240                 | 16.5      |
| HT40                             | 5190                 | 11.5      |
| HT40                             | 5230                 | 16.50     |
| VHT20                            | 5180                 | 16.5      |
| VHT20                            | 5200                 | 16.5      |
| VHT20                            | 5240                 | 16.5      |
| VHT40                            | 5190                 | 11.5      |
| VHT40                            | 5230                 | 16.50     |
| VHT80                            | 5210                 | 10        |

| For Frequency band 5250~5350 MHz |                      |           |
|----------------------------------|----------------------|-----------|
| Modulation Mode                  | Test Frequency (MHz) | Power Set |
| 11a                              | 5260                 | 16.50     |
| 11a                              | 5300                 | 16.00     |
| 11a                              | 5320                 | 16.50     |
| HT20                             | 5260                 | 16.50     |
| HT20                             | 5300                 | 16.50     |
| HT20                             | 5320                 | 16.50     |
| HT40                             | 5270                 | 16.50     |
| HT40                             | 5310                 | 13.50     |
| VHT20                            | 5260                 | 16.50     |
| VHT20                            | 5300                 | 16.50     |
| VHT20                            | 5320                 | 16.50     |
| VHT40                            | 5270                 | 16.50     |
| VHT40                            | 5310                 | 13.50     |
| VHT80                            | 5290                 | 13.5      |

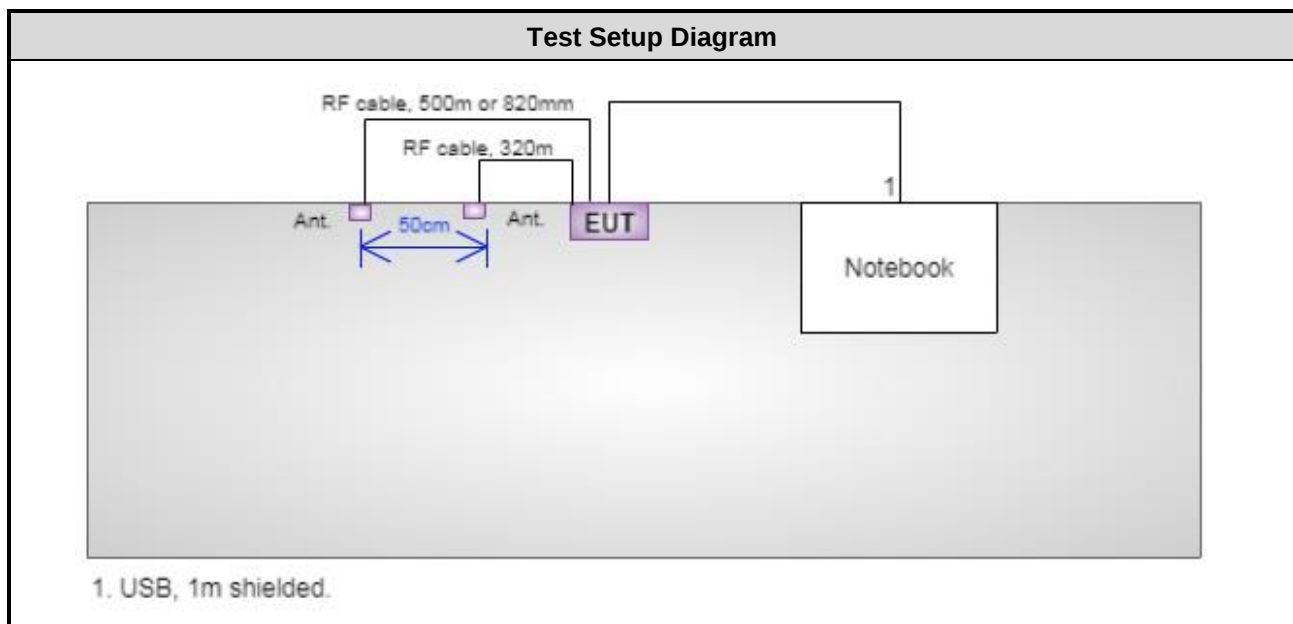
| For Frequency band 5470~5725 MHz |                      |           |
|----------------------------------|----------------------|-----------|
| Modulation Mode                  | Test Frequency (MHz) | Power Set |
| 11a                              | 5500                 | 16        |
| 11a                              | 5580                 | 16.00     |
| 11a                              | 5700                 | 15.5      |
| HT20                             | 5500                 | 16.5      |
| HT20                             | 5580                 | 16.50     |
| HT20                             | 5700                 | 15.5      |
| HT40                             | 5510                 | 13.00     |
| HT40                             | 5590                 | 17.00     |
| HT40                             | 5670                 | 16.00     |
| VHT20                            | 5500                 | 16.5      |
| VHT20                            | 5580                 | 16.50     |
| VHT20                            | 5700                 | 15.5      |
| VHT40                            | 5510                 | 13.00     |
| VHT40                            | 5590                 | 17.00     |
| VHT40                            | 5670                 | 16.00     |
| VHT80                            | 5530                 | 10.50     |
| VHT80                            | 5610                 | 14.00     |

| For Frequency band 5725~5850 MHz |                      |           |
|----------------------------------|----------------------|-----------|
| Modulation Mode                  | Test Frequency (MHz) | Power Set |
| 11a                              | 5745                 | 16.00     |
| 11a                              | 5785                 | 14        |
| 11a                              | 5825                 | 14        |
| HT20                             | 5745                 | 16.50     |
| HT20                             | 5785                 | 14.00     |
| HT20                             | 5825                 | 14.50     |
| HT40                             | 5755                 | 14.00     |
| HT40                             | 5795                 | 14.50     |
| VHT20                            | 5745                 | 16.50     |
| VHT20                            | 5785                 | 14.00     |
| VHT20                            | 5825                 | 14.50     |
| VHT40                            | 5755                 | 14.00     |
| VHT40                            | 5795                 | 14.50     |
| VHT80                            | 5775                 | 11.00     |

## 1.2 Local Support Equipment List

| Support Equipment List |           |       |                |        |                           |
|------------------------|-----------|-------|----------------|--------|---------------------------|
| No.                    | Equipment | Brand | Model          | FCC ID | Signal cable / Length (m) |
| 1                      | Notebook  | acer  | TravelMat 5760 | ---    | USB, 1m shielded.         |

## 1.3 Test Setup Chart



## 1.4 The Equipment List

|                                                                     |                               |                          |                   |                         |                          |
|---------------------------------------------------------------------|-------------------------------|--------------------------|-------------------|-------------------------|--------------------------|
| <b>Test Item</b>                                                    | Conducted Emission            |                          |                   |                         |                          |
| <b>Test Site</b>                                                    | Conduction room 1 / (CO01-WS) |                          |                   |                         |                          |
| <b>Tested Date</b>                                                  | Dec. 27, 2017                 |                          |                   |                         |                          |
| <b>Instrument</b>                                                   | <b>Manufacturer</b>           | <b>Model No.</b>         | <b>Serial No.</b> | <b>Calibration Date</b> | <b>Calibration Until</b> |
| Receiver                                                            | R&S                           | ESR3                     | 101658            | Nov. 20, 2017           | Nov. 19, 2018            |
| LISN                                                                | SCHWARZBECK                   | Schwarzbeck 8127         | 8127-667          | Nov. 13, 2017           | Nov. 12, 2018            |
| RF Cable-CON                                                        | EMC                           | EMCCFD300-BM-B<br>M-6000 | 50821             | Dec. 18, 2017           | Dec. 17, 2018            |
| Measurement Software                                                | AUDIX                         | e3                       | 6.120210k         | NA                      | NA                       |
| Note: Calibration Interval of instruments listed above is one year. |                               |                          |                   |                         |                          |

|                                                                     |                             |                   |                     |                         |                          |
|---------------------------------------------------------------------|-----------------------------|-------------------|---------------------|-------------------------|--------------------------|
| <b>Test Item</b>                                                    | Radiated Emission           |                   |                     |                         |                          |
| <b>Test Site</b>                                                    | 966 chamber 3 / (03CH03-WS) |                   |                     |                         |                          |
| <b>Tested Date</b>                                                  | Dec. 25 ~ Dec. 29, 2017     |                   |                     |                         |                          |
| <b>Instrument</b>                                                   | <b>Manufacturer</b>         | <b>Model No.</b>  | <b>Serial No.</b>   | <b>Calibration Date</b> | <b>Calibration Until</b> |
| Spectrum Analyzer                                                   | R&S                         | FSV40             | 101498              | Dec. 04, 2017           | Dec. 03, 2018            |
| Receiver                                                            | R&S                         | ESR3              | 101658              | Nov. 20, 2017           | Nov. 19, 2018            |
| Bilog Antenna                                                       | SCHWARZBECK                 | VULB9168          | VULB9168-685        | Apr. 28, 2017           | Apr. 27, 2018            |
| Horn Antenna<br>1G-18G                                              | SCHWARZBECK                 | BBHA 9120 D       | BBHA 9120 D 1206    | Feb. 09, 2017           | Feb. 08, 2018            |
| Horn Antenna<br>18G-40G                                             | SCHWARZBECK                 | BBHA 9170         | BBHA 9170517        | Nov. 23, 2017           | Nov. 22, 2018            |
| Loop Antenna                                                        | R&S                         | HFH2-Z2           | 100330              | Nov. 13, 2017           | Nov. 12, 2018            |
| Loop Antenna Cable                                                  | KOAX KABEL                  | 101354-BW         | 101354-BW           | Dec. 07, 2017           | Dec. 06, 2018            |
| Preamplifier                                                        | EMC                         | EMC02325          | 980187              | Sep. 04, 2017           | Sep. 03, 2018            |
| Preamplifier                                                        | Agilent                     | 83017A            | MY53270014          | Aug. 21, 2017           | Aug. 20, 2018            |
| Preamplifier                                                        | EMC                         | EMC184045B        | 980192              | Aug. 22, 2017           | Aug. 21, 2018            |
| RF cable-3M                                                         | HUBER+SUHNER                | SUCOFLEX104       | MY22620/4           | Nov. 27, 2017           | Nov. 26, 2018            |
| RF cable-8M                                                         | HUBER+SUHNER                | SUCOFLEX104       | MY32487/4           | Nov. 27, 2017           | Nov. 26, 2018            |
| RF cable-1M                                                         | HUBER+SUHNER                | SUCOFLEX104       | MY22624/4           | Nov. 27, 2017           | Nov. 26, 2018            |
| LF cable-0.8M                                                       | EMC                         | EMC8D-NM-NM-800   | EMC8D-NM-NM-800-001 | Nov. 27, 2017           | Nov. 26, 2018            |
| LF cable-3M                                                         | EMC                         | EMC8D-NM-NM-3000  | 131103              | Nov. 27, 2017           | Nov. 26, 2018            |
| LF cable-13M                                                        | EMC                         | EMC8D-NM-NM-13000 | 131104              | Nov. 27, 2017           | Nov. 26, 2018            |
| Measurement Software                                                | AUDIX                       | e3                | 6.120210g           | NA                      | NA                       |
| Note: Calibration Interval of instruments listed above is one year. |                             |                   |                     |                         |                          |

|                                                                     |                     |                  |                   |                         |                          |
|---------------------------------------------------------------------|---------------------|------------------|-------------------|-------------------------|--------------------------|
| <b>Test Item</b>                                                    | RF Conducted        |                  |                   |                         |                          |
| <b>Test Site</b>                                                    | (TH01-WS)           |                  |                   |                         |                          |
| <b>Tested Date</b>                                                  | Jan. 04, 2018       |                  |                   |                         |                          |
| <b>Instrument</b>                                                   | <b>Manufacturer</b> | <b>Model No.</b> | <b>Serial No.</b> | <b>Calibration Date</b> | <b>Calibration Until</b> |
| Spectrum Analyzer                                                   | R&S                 | FSV40            | 101063            | Mar. 15, 2017           | Mar. 14, 2018            |
| TEMP&HUMIDITY CHAMBER                                               | GIANT FORCE         | GCT-225-40-SP-SD | MAF1212-002       | Nov. 27, 2017           | Nov. 26, 2018            |
| Power Meter                                                         | Anritsu             | ML2495A          | 1241002           | Oct. 16, 2017           | Oct. 15, 2018            |
| Power Sensor                                                        | Anritsu             | MA2411B          | 1207366           | Oct. 16, 2017           | Oct. 15, 2018            |
| DC POWER SOURCE                                                     | GW INSTEK           | GPC-6030D        | EM892433          | Oct. 26, 2017           | Oct. 25, 2018            |
| Measurement Software                                                | Sporton             | Sporton_1        | 1.3.30            | NA                      | NA                       |
| Note: Calibration Interval of instruments listed above is one year. |                     |                  |                   |                         |                          |

## 1.5 Testing Applied Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.407

ANSI C63.10-2013

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

## 1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ( $k=2$ ))

| Measurement Uncertainty        |                 |
|--------------------------------|-----------------|
| Parameters                     | Uncertainty     |
| Bandwidth                      | $\pm 34.134$ Hz |
| Conducted power                | $\pm 0.808$ dB  |
| Frequency error                | $\pm 34.134$ Hz |
| Power density                  | $\pm 0.463$ dB  |
| Conducted emission             | $\pm 2.670$ dB  |
| AC conducted emission          | $\pm 2.90$ dB   |
| Radiated emission $\leq 1$ GHz | $\pm 3.66$ dB   |
| Radiated emission $> 1$ GHz    | $\pm 5.37$ dB   |
| Time                           | $\pm 0.1\%$     |
| Temperature                    | $\pm 0.6$ °C    |

## 2 Test Configuration

### 2.1 Testing Condition

| Test Item          | Test Site | Ambient Condition | Tested By               |
|--------------------|-----------|-------------------|-------------------------|
| AC Conduction      | CO01-WS   | 25°C / 59%        | Alex Huang              |
| Radiated Emissions | 03CH03-WS | 21-23°C / 65%     | Vincent Yeh<br>Roger Lu |
| RF Conducted       | TH01-WS   | 23°C / 63%        | Brad Wu                 |

➤ FCC site registration No.: 207696

➤ IC site registration No.: 10807C-1

## 2.2 The Worst Test Modes and Channel Details

| Frequency band 5150~5350 MHz / 5470~5725 MHz                                                                                                                                                                              |                 |                                                               |           |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------|-----------|--------------------|
| Test item                                                                                                                                                                                                                 | Modulation Mode | Test Frequency (MHz)                                          | Data Rate | Test Configuration |
| Conducted Emissions                                                                                                                                                                                                       | 11a             | 5260                                                          | 6 Mbps    | 1                  |
| Radiated Emissions ≤1GHz                                                                                                                                                                                                  | 11a             | 5260                                                          | 6 Mbps    | 1, 2               |
| RF Output Power                                                                                                                                                                                                           | 11a             | 5180 / 5200 / 5240 / 5260 / 5300<br>5320 / 5500 / 5580 / 5700 | 6 Mbps    | 1                  |
|                                                                                                                                                                                                                           | HT20            | 5180 / 5200 / 5240 / 5260 / 5300<br>5320 / 5500 / 5580 / 5700 | MCS 0     |                    |
|                                                                                                                                                                                                                           | HT40            | 5190 / 5230 / 5270 / 5310 / 5510<br>5590 / 5670               | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT20           | 5180 / 5200 / 5240 / 5260 / 5300<br>5320 / 5500 / 5580 / 5700 | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT40           | 5190 / 5230 / 5270 / 5310 / 5510<br>5590 / 5670               | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT80           | 5210 / 5290 / 5530 / 5610                                     | MCS 0     |                    |
| Radiated Emissions >1GHz<br>Emission Bandwidth<br>Peak Power Spectral Density                                                                                                                                             | 11a             | 5180 / 5200 / 5240 / 5260 / 5300<br>5320 / 5500 / 5580 / 5700 | 6 Mbps    | 1                  |
|                                                                                                                                                                                                                           | VHT20           | 5180 / 5200 / 5240 / 5260 / 5300<br>5320 / 5500 / 5580 / 5700 | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT40           | 5190 / 5230 / 5270 / 5310 / 5510<br>5590 / 5670               | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT80           | 5210 / 5290 / 5530 / 5610                                     | MCS 0     |                    |
| Frequency Stability                                                                                                                                                                                                       | Un-modulation   | 5320                                                          | ---       | ---                |
| <b>NOTE:</b><br>1. The antenna has two combinations of different cable lengths:<br>1) Configuration 1: ANT1 with 320mm cable + ANT2 with 500mm cable<br>2) Configuration 2: ANT1 with 320mm cable + ANT2 with 820mm cable |                 |                                                               |           |                    |

| Frequency band 5725-5850 MHz                                                                                                                                                                                              |                 |                      |           |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|-----------|--------------------|
| Test item                                                                                                                                                                                                                 | Modulation Mode | Test Frequency (MHz) | Data Rate | Test Configuration |
| Conducted Emissions                                                                                                                                                                                                       | VHT20           | 5745                 | MCS 0     | 1                  |
| Radiated Emissions $\leq 1$ GHz                                                                                                                                                                                           | VHT20           | 5745                 | MCS 0     | 1, 2               |
| RF Output Power                                                                                                                                                                                                           | 11a             | 5745 / 5785 / 5825   | 6 Mbps    | 1                  |
|                                                                                                                                                                                                                           | HT20            | 5745 / 5785 / 5825   | MCS 0     |                    |
|                                                                                                                                                                                                                           | HT40            | 5755 / 5795          | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT20           | 5745 / 5785 / 5825   | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT40           | 5755 / 5795          | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT80           | 5775                 | MCS 0     |                    |
| Radiated Emissions $> 1$ GHz<br>Emission Bandwidth<br>6dB bandwidth<br>Peak Power Spectral Density                                                                                                                        | 11a             | 5745 / 5785 / 5825   | 6 Mbps    | 1                  |
|                                                                                                                                                                                                                           | VHT20           | 5745 / 5785 / 5825   | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT40           | 5755 / 5795          | MCS 0     |                    |
|                                                                                                                                                                                                                           | VHT80           | 5775                 | MCS 0     |                    |
| Frequency Stability                                                                                                                                                                                                       | Un-modulation   | 5785                 | ---       | ---                |
| <b>NOTE:</b><br>1. The antenna has two combinations of different cable lengths:<br>1) Configuration 1: ANT1 with 320mm cable + ANT2 with 500mm cable<br>2) Configuration 2: ANT1 with 320mm cable + ANT2 with 820mm cable |                 |                      |           |                    |

### 3 Transmitter Test Results

#### 3.1 Conducted Emissions

##### 3.1.1 Limit of Conducted Emissions

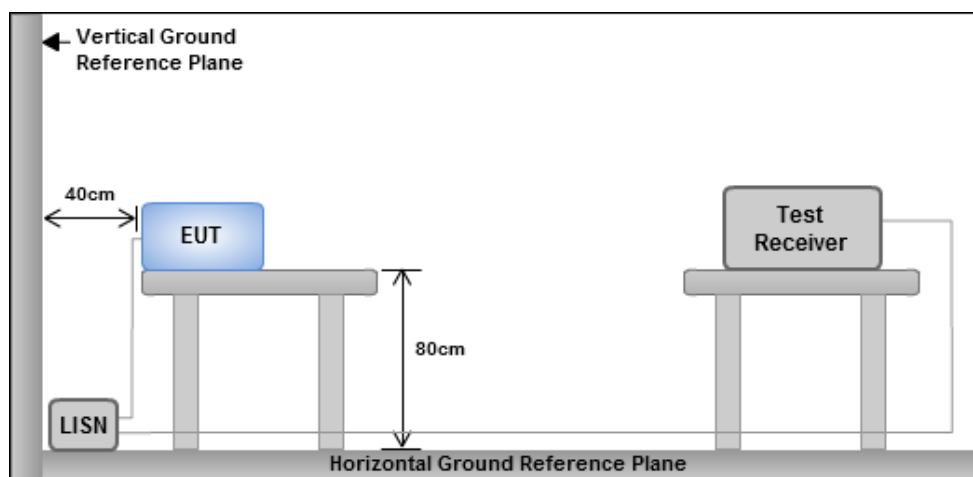
| Conducted Emissions Limit |            |           |
|---------------------------|------------|-----------|
| Frequency Emission (MHz)  | Quasi-Peak | Average   |
| 0.15-0.5                  | 66 - 56 *  | 56 - 46 * |
| 0.5-5                     | 56         | 46        |
| 5-30                      | 60         | 50        |

Note 1: \* Decreases with the logarithm of the frequency.

##### 3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50  $\Omega$  LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

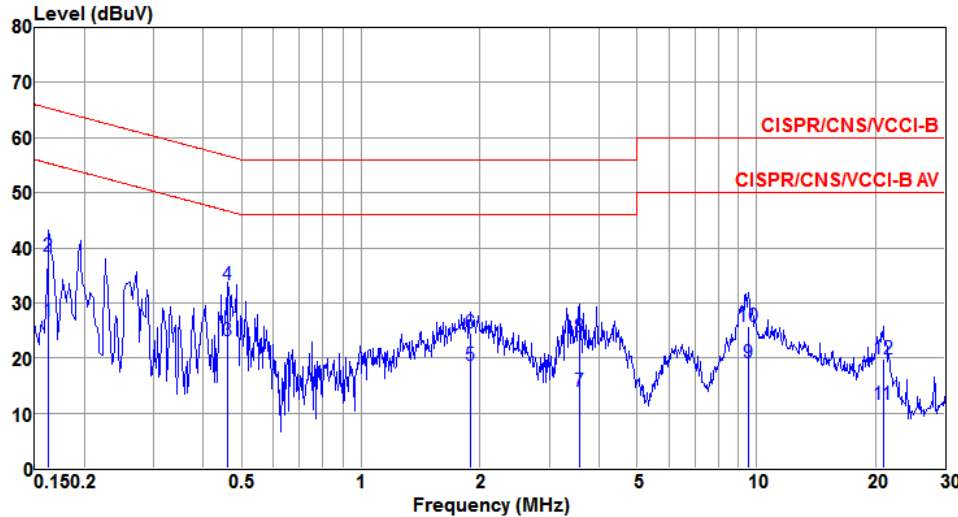
##### 3.1.3 Test Setup



- Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

### 3.1.4 Test Result of Conducted Emissions

|             |      |                  |      |
|-------------|------|------------------|------|
| Modulation  | 11a  | Test Freq. (MHz) | 5260 |
| Power Phase | Line |                  |      |

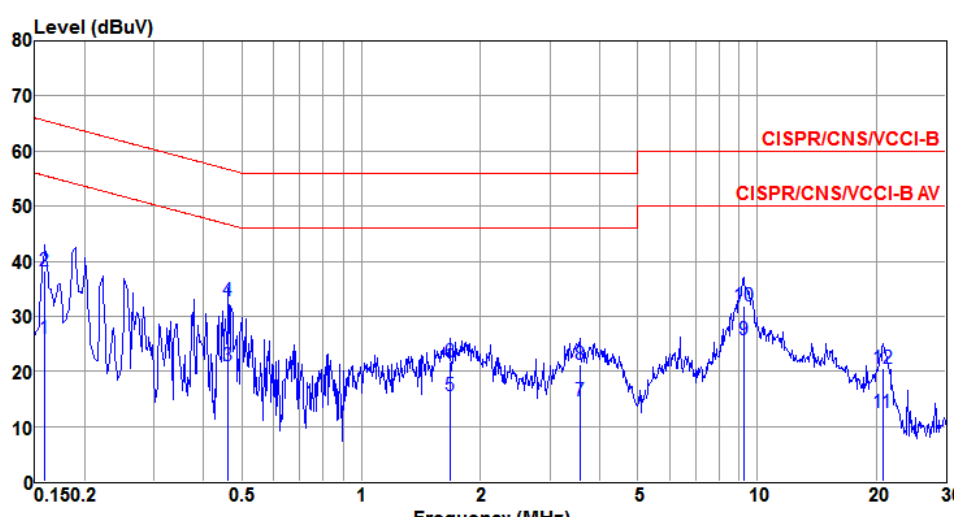


|    | Freq<br>MHz | Level<br>dBuV | Limit<br>Line<br>dBuV | Over<br>Limit<br>dB | Read<br>Level<br>dBuV | LISN<br>factor<br>dB | cable<br>loss<br>dB | Remark  |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1  | 0.162       | 26.65         | 55.34                 | -28.69              | 26.54                 | 0.07                 | 0.04                | Average |
| 2  | 0.162       | 38.58         | 65.34                 | -26.76              | 38.47                 | 0.07                 | 0.04                | QP      |
| 3  | 0.461       | 23.14         | 46.67                 | -23.53              | 23.02                 | 0.08                 | 0.04                | Average |
| 4@ | 0.461       | 33.28         | 56.67                 | -23.39              | 33.16                 | 0.08                 | 0.04                | QP      |
| 5  | 1.888       | 18.57         | 46.00                 | -27.43              | 18.42                 | 0.11                 | 0.04                | Average |
| 6  | 1.888       | 24.47         | 56.00                 | -31.53              | 24.32                 | 0.11                 | 0.04                | QP      |
| 7  | 3.565       | 14.01         | 46.00                 | -31.99              | 13.74                 | 0.13                 | 0.14                | Average |
| 8  | 3.565       | 23.77         | 56.00                 | -32.23              | 23.50                 | 0.13                 | 0.14                | QP      |
| 9  | 9.552       | 19.13         | 50.00                 | -30.87              | 18.71                 | 0.20                 | 0.22                | Average |
| 10 | 9.552       | 25.77         | 60.00                 | -34.23              | 25.35                 | 0.20                 | 0.22                | QP      |
| 11 | 20.924      | 11.60         | 50.00                 | -38.40              | 11.06                 | 0.27                 | 0.27                | Average |
| 12 | 20.924      | 19.75         | 60.00                 | -40.25              | 19.21                 | 0.27                 | 0.27                | QP      |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

|             |         |                  |      |
|-------------|---------|------------------|------|
| Modulation  | 11a     | Test Freq. (MHz) | 5260 |
| Power Phase | Neutral |                  |      |

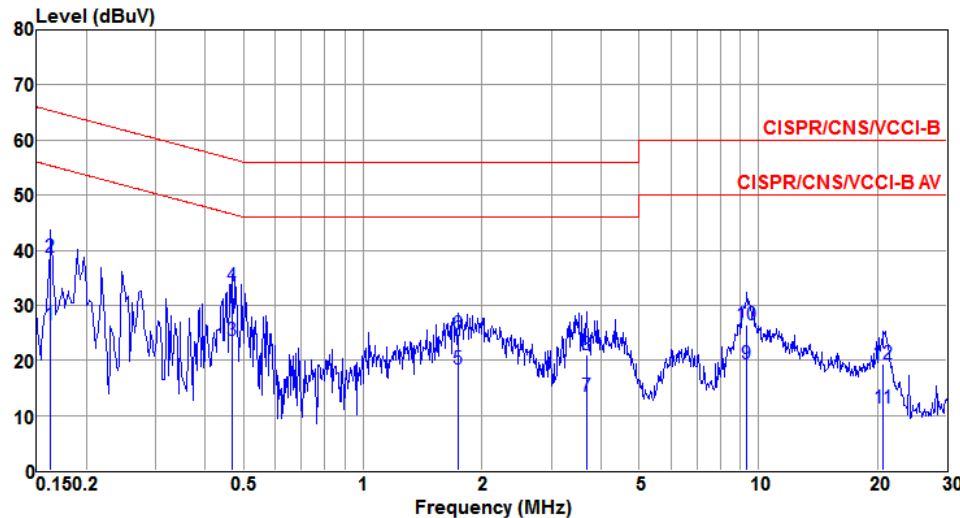


|    | Freq<br>MHz | Level<br>dBuV | Limit<br>Line<br>dBuV | Over<br>Limit<br>dB | Read<br>Level<br>dBuV | LISN<br>factor<br>dB | cable<br>loss<br>dB | Remark  |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1  | 0.159       | 25.86         | 55.52                 | -29.66              | 25.78                 | 0.04                 | 0.04                | Average |
| 2  | 0.159       | 38.17         | 65.52                 | -27.35              | 38.09                 | 0.04                 | 0.04                | QP      |
| 3  | 0.461       | 20.90         | 46.67                 | -25.77              | 20.82                 | 0.04                 | 0.04                | Average |
| 4  | 0.461       | 32.72         | 56.67                 | -23.95              | 32.64                 | 0.04                 | 0.04                | QP      |
| 5  | 1.671       | 15.60         | 46.00                 | -30.40              | 15.50                 | 0.06                 | 0.04                | Average |
| 6  | 1.671       | 21.78         | 56.00                 | -34.22              | 21.68                 | 0.06                 | 0.04                | QP      |
| 7  | 3.565       | 14.61         | 46.00                 | -31.39              | 14.38                 | 0.09                 | 0.14                | Average |
| 8  | 3.565       | 21.21         | 56.00                 | -34.79              | 20.98                 | 0.09                 | 0.14                | QP      |
| 9  | 9.253       | 25.76         | 50.00                 | -24.24              | 25.39                 | 0.16                 | 0.21                | Average |
| 10 | 9.253       | 31.78         | 60.00                 | -28.22              | 31.41                 | 0.16                 | 0.21                | QP      |
| 11 | 20.814      | 12.41         | 50.00                 | -37.59              | 11.87                 | 0.27                 | 0.27                | Average |
| 12 | 20.814      | 20.64         | 60.00                 | -39.36              | 20.10                 | 0.27                 | 0.27                | QP      |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

|             |       |                  |      |
|-------------|-------|------------------|------|
| Modulation  | VHT20 | Test Freq. (MHz) | 5745 |
| Power Phase | Line  |                  |      |



The graph displays the measured level in dBUV across a frequency range from 0.150 to 30 MHz. Two red lines represent the CISPR/CNS/VCCI-B limits: one for the standard limit and another for the average limit (AV). The blue line shows the measured level, which is mostly below the limits, with some peaks near 0.15 MHz and 9.35 MHz. The measured level is generally between 10 and 30 dBUV, while the limits range from approximately 45 to 65 dBUV.

|    | Freq   | Level | Limit | Over   | Read  | LISN   | cable |         |
|----|--------|-------|-------|--------|-------|--------|-------|---------|
|    | MHz    | dBuV  | Line  | Limit  | Level | factor | loss  | Remark  |
|    |        |       | dBuV  | dB     | dBuV  | dB     | dB    |         |
| 1  | 0.162  | 26.52 | 55.34 | -28.82 | 26.41 | 0.07   | 0.04  | Average |
| 2  | 0.162  | 38.76 | 65.34 | -26.58 | 38.65 | 0.07   | 0.04  | QP      |
| 3@ | 0.466  | 23.61 | 46.58 | -22.97 | 23.49 | 0.08   | 0.04  | Average |
| 4  | 0.466  | 33.61 | 56.58 | -22.97 | 33.49 | 0.08   | 0.04  | QP      |
| 5  | 1.744  | 18.49 | 46.00 | -27.51 | 18.34 | 0.11   | 0.04  | Average |
| 6  | 1.744  | 24.68 | 56.00 | -31.32 | 24.53 | 0.11   | 0.04  | QP      |
| 7  | 3.681  | 13.53 | 46.00 | -32.47 | 13.26 | 0.13   | 0.14  | Average |
| 8  | 3.681  | 20.92 | 56.00 | -35.08 | 20.65 | 0.13   | 0.14  | QP      |
| 9  | 9.352  | 19.40 | 50.00 | -30.60 | 18.99 | 0.19   | 0.22  | Average |
| 10 | 9.352  | 26.55 | 60.00 | -33.45 | 26.14 | 0.19   | 0.22  | QP      |
| 11 | 20.704 | 11.42 | 50.00 | -38.58 | 10.89 | 0.27   | 0.26  | Average |
| 12 | 20.704 | 19.37 | 60.00 | -40.63 | 18.84 | 0.27   | 0.26  | QP      |

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB).

Note 2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

|             |         |                  |      |
|-------------|---------|------------------|------|
| Modulation  | VHT20   | Test Freq. (MHz) | 5745 |
| Power Phase | Neutral |                  |      |

Level (dBUV)

Frequency (MHz)

|    | Freq<br>MHz | Level<br>dBUV | Limit<br>Line<br>dBUV | Over<br>Limit<br>dB | Read<br>Level<br>dBUV | LISN<br>factor<br>dB | cable<br>loss<br>dB | Remark  |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1  | 0.186       | 29.31         | 54.20                 | -24.89              | 29.23                 | 0.04                 | 0.04                | Average |
| 2  | 0.186       | 39.11         | 64.20                 | -25.09              | 39.03                 | 0.04                 | 0.04                | QP      |
| 3  | 0.454       | 20.51         | 46.80                 | -26.29              | 20.43                 | 0.04                 | 0.04                | Average |
| 4  | 0.454       | 32.34         | 56.80                 | -24.46              | 32.26                 | 0.04                 | 0.04                | QP      |
| 5  | 1.753       | 15.31         | 46.00                 | -30.69              | 15.20                 | 0.07                 | 0.04                | Average |
| 6  | 1.753       | 21.41         | 56.00                 | -34.59              | 21.30                 | 0.07                 | 0.04                | QP      |
| 7  | 3.779       | 14.53         | 46.00                 | -31.47              | 14.29                 | 0.09                 | 0.15                | Average |
| 8  | 3.779       | 20.50         | 56.00                 | -35.50              | 20.26                 | 0.09                 | 0.15                | QP      |
| 9@ | 9.352       | 25.74         | 50.00                 | -24.26              | 25.36                 | 0.16                 | 0.22                | Average |
| 10 | 9.352       | 31.96         | 60.00                 | -28.04              | 31.58                 | 0.16                 | 0.22                | QP      |
| 11 | 20.924      | 10.54         | 50.00                 | -39.46              | 10.00                 | 0.27                 | 0.27                | Average |
| 12 | 20.924      | 18.83         | 60.00                 | -41.17              | 18.29                 | 0.27                 | 0.27                | QP      |

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

## 3.2 Emission Bandwidth

### 3.2.1 Limit of Emission Bandwidth

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### 3.2.2 Test Procedures

#### 26dB Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

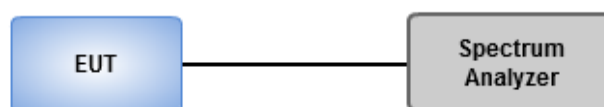
#### Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW
2. Set VBW  $\geq$  3 RBW
3. Sample detection and single sweep mode shall be used
4. Use the 99 % power bandwidth function of the instrument

#### 6dB Bandwidth

1. Set RBW = 100kHz, VBW = 300kHz
2. Detector = Peak, Trace mode = max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

### 3.2.3 Test Setup



### 3.2.4 Test Result of Emission Bandwidth

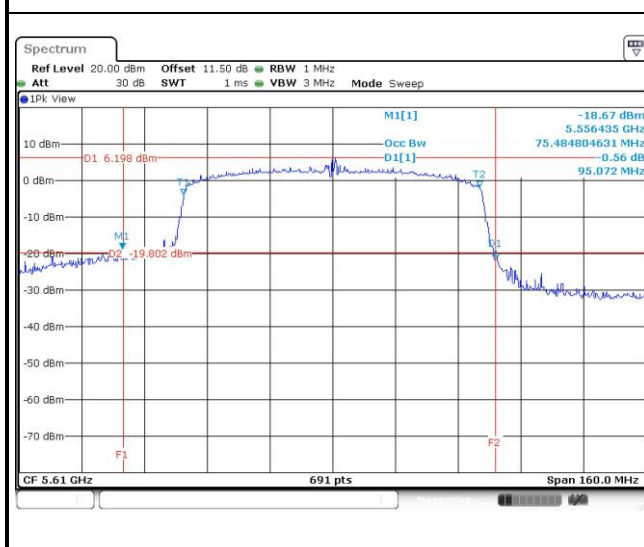
| For Frequency band 5150~5250 MHz |                 |                |                      |         |         |         |                     |         |         |         |
|----------------------------------|-----------------|----------------|----------------------|---------|---------|---------|---------------------|---------|---------|---------|
| Mode                             | N <sub>TX</sub> | Freq.<br>(MHz) | 26dB Bandwidth (MHz) |         |         |         | 99% Bandwidth (MHz) |         |         |         |
|                                  |                 |                | Chain 0              | Chain 1 | Chain 2 | Chain 3 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |
| 11a                              | 2               | 5180           | 38.91                | 26.45   | ---     | ---     | 18.26               | 16.50   | ---     | ---     |
| 11a                              | 2               | 5200           | 29.68                | 26.55   | ---     | ---     | 16.45               | 16.43   | ---     | ---     |
| 11a                              | 2               | 5240           | 31.67                | 21.88   | ---     | ---     | 16.50               | 16.39   | ---     | ---     |
| VHT20                            | 2               | 5180           | 39.35                | 26.52   | ---     | ---     | 17.57               | 17.55   | ---     | ---     |
| VHT20                            | 2               | 5200           | 30.87                | 30.72   | ---     | ---     | 18.75               | 17.50   | ---     | ---     |
| VHT20                            | 2               | 5240           | 30.87                | 25.72   | ---     | ---     | 17.54               | 17.67   | ---     | ---     |
| VHT40                            | 2               | 5190           | 54.49                | 50.20   | ---     | ---     | 36.06               | 36.06   | ---     | ---     |
| VHT40                            | 2               | 5230           | 68.99                | 63.19   | ---     | ---     | 36.28               | 36.58   | ---     | ---     |
| VHT80                            | 2               | 5210           | 81.86                | 85.10   | ---     | ---     | 75.31               | 75.36   | ---     | ---     |

| For Frequency band 5250~5350 MHz |                 |                |                      |         |         |         |                     |         |         |         |                         |
|----------------------------------|-----------------|----------------|----------------------|---------|---------|---------|---------------------|---------|---------|---------|-------------------------|
| Mode                             | N <sub>TX</sub> | Freq.<br>(MHz) | 26dB Bandwidth (MHz) |         |         |         | 99% Bandwidth (MHz) |         |         |         | Power<br>Limit<br>(dBm) |
|                                  |                 |                | Chain 0              | Chain 1 | Chain 2 | Chain 3 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |                         |
| 11a                              | 2               | 5260           | 28.26                | 30.72   | ---     | ---     | 16.55               | 16.69   | ---     | ---     | 24.00                   |
| 11a                              | 2               | 5300           | 22.25                | 33.48   | ---     | ---     | 16.38               | 16.37   | ---     | ---     | 24.00                   |
| 11a                              | 2               | 5320           | 23.70                | 31.81   | ---     | ---     | 16.39               | 17.19   | ---     | ---     | 24.00                   |
| VHT20                            | 2               | 5260           | 23.65                | 27.77   | ---     | ---     | 17.60               | 17.51   | ---     | ---     | 24.00                   |
| VHT20                            | 2               | 5300           | 22.09                | 25.22   | ---     | ---     | 17.49               | 18.00   | ---     | ---     | 24.00                   |
| VHT20                            | 2               | 5320           | 23.01                | 22.61   | ---     | ---     | 17.50               | 17.48   | ---     | ---     | 24.00                   |
| VHT40                            | 2               | 5270           | 58.67                | 56.93   | ---     | ---     | 36.20               | 36.24   | ---     | ---     | 24.00                   |
| VHT40                            | 2               | 5310           | 42.67                | 56.70   | ---     | ---     | 36.06               | 36.24   | ---     | ---     | 24.00                   |
| VHT80                            | 2               | 5290           | 81.62                | 83.01   | ---     | ---     | 75.31               | 75.68   | ---     | ---     | 24.00                   |

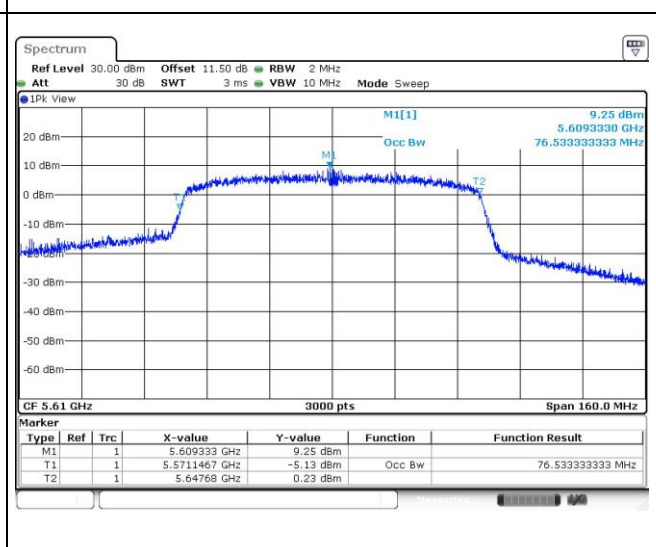
For Frequency band 5470~5725 MHz

| Mode  | N <sub>TX</sub> | Freq.<br>(MHz) | 26dB Bandwidth (MHz) |         |         |         | 99% Bandwidth (MHz) |         |         |         | Power<br>Limit<br>(dBm) |
|-------|-----------------|----------------|----------------------|---------|---------|---------|---------------------|---------|---------|---------|-------------------------|
|       |                 |                | Chain 0              | Chain 1 | Chain 2 | Chain 3 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |                         |
| 11a   | 2               | 5500           | 22.49                | 22.61   | ---     | ---     | 17.22               | 16.36   | ---     | ---     | 24.00                   |
| 11a   | 2               | 5580           | 28.70                | 35.07   | ---     | ---     | 16.47               | 17.13   | ---     | ---     | 24.00                   |
| 11a   | 2               | 5700           | 25.80                | 27.07   | ---     | ---     | 16.45               | 16.36   | ---     | ---     | 24.00                   |
| VHT20 | 2               | 5500           | 24.93                | 21.91   | ---     | ---     | 17.51               | 17.54   | ---     | ---     | 24.00                   |
| VHT20 | 2               | 5580           | 29.28                | 32.46   | ---     | ---     | 17.53               | 17.61   | ---     | ---     | 24.00                   |
| VHT20 | 2               | 5700           | 24.12                | 26.67   | ---     | ---     | 17.50               | 17.51   | ---     | ---     | 24.00                   |
| VHT40 | 2               | 5510           | 56.35                | 41.74   | ---     | ---     | 36.12               | 36.02   | ---     | ---     | 24.00                   |
| VHT40 | 2               | 5590           | 73.62                | 81.30   | ---     | ---     | 36.68               | 36.70   | ---     | ---     | 24.00                   |
| VHT40 | 2               | 5670           | 63.04                | 62.17   | ---     | ---     | 36.20               | 36.42   | ---     | ---     | 24.00                   |
| VHT80 | 2               | 5530           | 83.01                | 85.10   | ---     | ---     | 75.25               | 75.25   | ---     | ---     | 24.00                   |
| VHT80 | 2               | 5610           | 89.51                | 95.07   | ---     | ---     | 75.47               | 76.53   | ---     | ---     | 24.00                   |

Worst Plots of 26dB Bandwidth



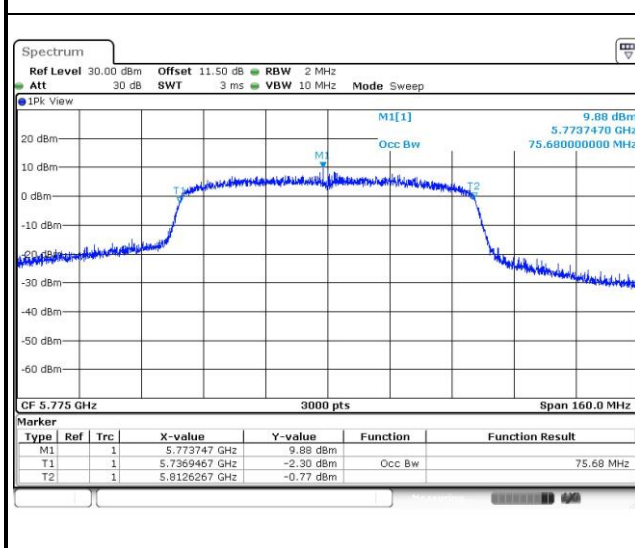
Worst Plots of 99% Bandwidth



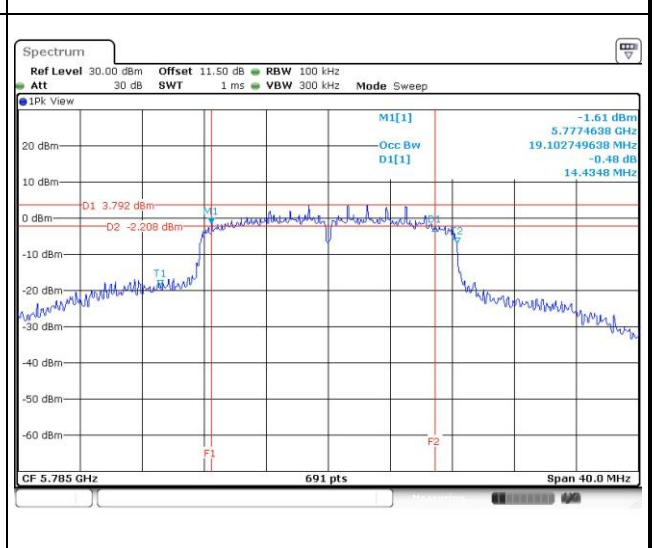
For Frequency band 5725-5850 MHz

| Mode  | N <sub>TX</sub> | Freq.<br>(MHz) | OBW Bandwidth (MHz) |         |         |         | 6dB Bandwidth (MHz) |         |         |         | 6dB BW<br>Limit<br>(MHz) |
|-------|-----------------|----------------|---------------------|---------|---------|---------|---------------------|---------|---------|---------|--------------------------|
|       |                 |                | Chain 0             | Chain 1 | Chain 2 | Chain 3 | Chain 0             | Chain 1 | Chain 2 | Chain 3 |                          |
| 11a   | 2               | 5745           | 16.53               | 16.61   | ---     | ---     | 15.36               | 15.19   | ---     | ---     | 0.5                      |
| 11a   | 2               | 5785           | 17.68               | 16.37   | ---     | ---     | 14.43               | 15.07   | ---     | ---     | 0.5                      |
| 11a   | 2               | 5825           | 16.55               | 16.33   | ---     | ---     | 15.13               | 15.13   | ---     | ---     | 0.5                      |
| VHT20 | 2               | 5745           | 17.86               | 17.61   | ---     | ---     | 15.36               | 15.13   | ---     | ---     | 0.5                      |
| VHT20 | 2               | 5785           | 17.67               | 17.44   | ---     | ---     | 15.07               | 15.13   | ---     | ---     | 0.5                      |
| VHT20 | 2               | 5825           | 18.39               | 17.46   | ---     | ---     | 15.07               | 15.13   | ---     | ---     | 0.5                      |
| VHT40 | 2               | 5755           | 37.64               | 36.16   | ---     | ---     | 35.13               | 35.13   | ---     | ---     | 0.5                      |
| VHT40 | 2               | 5795           | 36.48               | 36.18   | ---     | ---     | 35.13               | 35.13   | ---     | ---     | 0.5                      |
| VHT80 | 2               | 5775           | 75.68               | 75.25   | ---     | ---     | 75.13               | 75.13   | ---     | ---     | 0.5                      |

Worst Plots of 99% Bandwidth



Worst Plots of 6dB Bandwidth



### 3.3 RF Output Power

#### 3.3.1 Limit of RF Output Power

| Frequency band 5150-5250 MHz        |                                    |                                                                                                                                                   |
|-------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Mode                      |                                    | Limit                                                                                                                                             |
| <input type="checkbox"/>            | Outdoor access point               | Conducted Power: 1 W<br>The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm) |
| <input checked="" type="checkbox"/> | Indoor access point                | Conducted Power: 1 W                                                                                                                              |
| <input type="checkbox"/>            | Fixed point-to-point access points | Conducted Power: 1 W                                                                                                                              |
| <input type="checkbox"/>            | Client devices                     | Conducted Power: 250 mW                                                                                                                           |

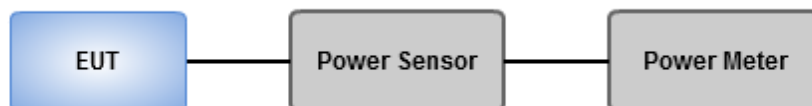
| Frequency Band (MHz)                            | Limit                   |
|-------------------------------------------------|-------------------------|
| <input checked="" type="checkbox"/> 5250 ~ 5350 | 250mW or 11dBm+10 log B |
| <input checked="" type="checkbox"/> 5470 ~ 5725 | 250mW or 11dBm+10 log B |
| <input checked="" type="checkbox"/> 5725 ~ 5850 | 1 W                     |

Note: "B" is the 26dB emission bandwidth in MHz.

#### 3.3.2 Test Procedures

- ☒ Power meter
  - ☒ Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required

#### 3.3.3 Test Setup



### 3.3.4 Test Result of Maximum Conducted Output Power

| For Frequency band 5150~5250 MHz |                 |             |                       |         |         |         |                  |                   |             |
|----------------------------------|-----------------|-------------|-----------------------|---------|---------|---------|------------------|-------------------|-------------|
| Mode                             | N <sub>TX</sub> | Freq. (MHz) | Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) |
|                                  |                 |             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |
| 11a                              | 2               | 5180        | 13.38                 | 13.61   | ---     | ---     | 44.739           | 16.51             | 30.00       |
| 11a                              | 2               | 5200        | 13.41                 | 13.64   | ---     | ---     | 45.049           | 16.54             | 30.00       |
| 11a                              | 2               | 5240        | 13.39                 | 13.61   | ---     | ---     | 44.789           | 16.51             | 30.00       |
| HT20                             | 2               | 5180        | 13.06                 | 13.75   | ---     | ---     | 43.944           | 16.43             | 30.00       |
| HT20                             | 2               | 5200        | 13.24                 | 13.56   | ---     | ---     | 43.785           | 16.41             | 30.00       |
| HT20                             | 2               | 5240        | 13.18                 | 13.52   | ---     | ---     | 43.288           | 16.36             | 30.00       |
| HT40                             | 2               | 5190        | 8.69                  | 9.54    | ---     | ---     | 16.391           | 12.15             | 30.00       |
| HT40                             | 2               | 5230        | 13.85                 | 14.04   | ---     | ---     | 49.617           | 16.96             | 30.00       |
| VHT20                            | 2               | 5180        | 13.18                 | 13.89   | ---     | ---     | 45.288           | 16.56             | 30.00       |
| VHT20                            | 2               | 5200        | 13.35                 | 13.68   | ---     | ---     | 44.962           | 16.53             | 30.00       |
| VHT20                            | 2               | 5240        | 13.31                 | 13.66   | ---     | ---     | 44.656           | 16.50             | 30.00       |
| VHT40                            | 2               | 5190        | 8.81                  | 9.66    | ---     | ---     | 16.850           | 12.27             | 30.00       |
| VHT40                            | 2               | 5230        | 13.99                 | 14.12   | ---     | ---     | 50.884           | <b>17.07</b>      | 30.00       |
| VHT80                            | 2               | 5210        | 8.01                  | 8.03    | ---     | ---     | 12.677           | 11.03             | 30.00       |

| For Frequency band 5250~5350 MHz |                 |             |                       |         |         |         |                  |                   |             |
|----------------------------------|-----------------|-------------|-----------------------|---------|---------|---------|------------------|-------------------|-------------|
| Mode                             | N <sub>TX</sub> | Freq. (MHz) | Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) |
|                                  |                 |             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |
| 11a                              | 2               | 5260        | 14.22                 | 14.32   | ---     | ---     | 53.464           | <b>17.28</b>      | 24.00       |
| 11a                              | 2               | 5300        | 13.86                 | 14.12   | ---     | ---     | 50.145           | 17.00             | 24.00       |
| 11a                              | 2               | 5320        | 13.66                 | 14.39   | ---     | ---     | 50.706           | 17.05             | 24.00       |
| HT20                             | 2               | 5260        | 14.02                 | 14.25   | ---     | ---     | 51.842           | 17.15             | 24.00       |
| HT20                             | 2               | 5300        | 13.84                 | 14.21   | ---     | ---     | 50.574           | 17.04             | 24.00       |
| HT20                             | 2               | 5320        | 13.65                 | 14.02   | ---     | ---     | 48.409           | 16.85             | 24.00       |
| HT40                             | 2               | 5270        | 13.83                 | 14.25   | ---     | ---     | 50.762           | 17.06             | 24.00       |
| HT40                             | 2               | 5310        | 10.51                 | 11.19   | ---     | ---     | 24.398           | 13.87             | 24.00       |
| VHT20                            | 2               | 5260        | 14.14                 | 14.38   | ---     | ---     | 53.358           | 17.27             | 24.00       |
| VHT20                            | 2               | 5300        | 13.96                 | 14.35   | ---     | ---     | 52.116           | 17.17             | 24.00       |
| VHT20                            | 2               | 5320        | 13.81                 | 14.18   | ---     | ---     | 50.225           | 17.01             | 24.00       |
| VHT40                            | 2               | 5270        | 13.96                 | 14.33   | ---     | ---     | 51.990           | 17.16             | 24.00       |
| VHT40                            | 2               | 5310        | 10.64                 | 11.32   | ---     | ---     | 25.140           | 14.00             | 24.00       |
| VHT80                            | 2               | 5290        | 11.17                 | 11.82   | ---     | ---     | 28.297           | 14.52             | 24.00       |

| For Frequency band 5470~5725 MHz |                 |             |                       |         |         |         |                  |                   |             |
|----------------------------------|-----------------|-------------|-----------------------|---------|---------|---------|------------------|-------------------|-------------|
| Mode                             | N <sub>TX</sub> | Freq. (MHz) | Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) |
|                                  |                 |             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |
| 11a                              | 2               | 5500        | 13.65                 | 13.42   | ---     | ---     | 45.153           | 16.55             | 24.00       |
| 11a                              | 2               | 5580        | 13.69                 | 14.28   | ---     | ---     | 50.180           | 17.01             | 24.00       |
| 11a                              | 2               | 5700        | 13.03                 | 13.88   | ---     | ---     | 44.525           | 16.49             | 24.00       |
| HT20                             | 2               | 5500        | 14.02                 | 13.65   | ---     | ---     | 48.409           | 16.85             | 24.00       |
| HT20                             | 2               | 5580        | 13.42                 | 14.29   | ---     | ---     | 48.832           | 16.89             | 24.00       |
| HT20                             | 2               | 5700        | 12.65                 | 13.45   | ---     | ---     | 40.539           | 16.08             | 24.00       |
| HT40                             | 2               | 5510        | 10.21                 | 10.53   | ---     | ---     | 21.793           | 13.38             | 24.00       |
| HT40                             | 2               | 5590        | 13.54                 | 14.42   | ---     | ---     | 50.264           | 17.01             | 24.00       |
| HT40                             | 2               | 5670        | 13.02                 | 13.84   | ---     | ---     | 44.255           | 16.46             | 24.00       |
| VHT20                            | 2               | 5500        | 14.13                 | 13.78   | ---     | ---     | 49.760           | 16.97             | 24.00       |
| VHT20                            | 2               | 5580        | 13.57                 | 14.42   | ---     | ---     | 50.420           | 17.03             | 24.00       |
| VHT20                            | 2               | 5700        | 12.76                 | 13.61   | ---     | ---     | 41.841           | 16.22             | 24.00       |
| VHT40                            | 2               | 5510        | 10.33                 | 10.64   | ---     | ---     | 22.377           | 13.50             | 24.00       |
| VHT40                            | 2               | 5590        | 13.68                 | 14.53   | ---     | ---     | 51.714           | <b>17.14</b>      | 24.00       |
| VHT40                            | 2               | 5670        | 13.11                 | 13.96   | ---     | ---     | 45.353           | 16.57             | 24.00       |
| VHT80                            | 2               | 5530        | 8.02                  | 8.62    | ---     | ---     | 13.616           | 11.34             | 24.00       |
| VHT80                            | 2               | 5610        | 11.09                 | 11.98   | ---     | ---     | 28.629           | 14.57             | 24.00       |

| For Frequency band 5725-5850 MHz |                 |             |                       |         |         |         |                  |                   |             |
|----------------------------------|-----------------|-------------|-----------------------|---------|---------|---------|------------------|-------------------|-------------|
| Mode                             | N <sub>TX</sub> | Freq. (MHz) | Conducted Power (dBm) |         |         |         | Total Power (mW) | Total Power (dBm) | Limit (dBm) |
|                                  |                 |             | Chain 0               | Chain 1 | Chain 2 | Chain 3 |                  |                   |             |
| 11a                              | 2               | 5745        | 13.86                 | 14.49   | ---     | ---     | 52.441           | 17.20             | 30.00       |
| 11a                              | 2               | 5785        | 14.25                 | 13.81   | ---     | ---     | 50.651           | 17.05             | 30.00       |
| 11a                              | 2               | 5825        | 14.29                 | 13.85   | ---     | ---     | 51.120           | 17.09             | 30.00       |
| HT20                             | 2               | 5745        | 13.94                 | 14.16   | ---     | ---     | 50.836           | 17.06             | 30.00       |
| HT20                             | 2               | 5785        | 14.41                 | 13.52   | ---     | ---     | 50.096           | 17.00             | 30.00       |
| HT20                             | 2               | 5825        | 14.35                 | 13.41   | ---     | ---     | 49.155           | 16.92             | 30.00       |
| HT40                             | 2               | 5755        | 14.22                 | 13.48   | ---     | ---     | 48.708           | 16.88             | 30.00       |
| HT40                             | 2               | 5795        | 14.36                 | 13.72   | ---     | ---     | 50.840           | 17.06             | 30.00       |
| VHT20                            | 2               | 5745        | 14.08                 | 14.32   | ---     | ---     | 52.625           | <b>17.21</b>      | 30.00       |
| VHT20                            | 2               | 5785        | 14.55                 | 13.65   | ---     | ---     | 51.684           | 17.13             | 30.00       |
| VHT20                            | 2               | 5825        | 14.48                 | 13.56   | ---     | ---     | 50.753           | 17.05             | 30.00       |
| VHT40                            | 2               | 5755        | 14.34                 | 13.61   | ---     | ---     | 50.126           | 17.00             | 30.00       |
| VHT40                            | 2               | 5795        | 14.50                 | 13.87   | ---     | ---     | 52.562           | <b>17.21</b>      | 30.00       |
| VHT80                            | 2               | 5775        | 11.79                 | 10.92   | ---     | ---     | 27.460           | 14.39             | 30.00       |

### 3.4 Peak Power Spectral Density

#### 3.4.1 Limit of Peak Power Spectral Density

| Frequency band 5150-5250 MHz        |                                    |              |
|-------------------------------------|------------------------------------|--------------|
| Operating Mode                      |                                    | Limit        |
| <input type="checkbox"/>            | Outdoor access point               | 17 dBm / MHz |
| <input checked="" type="checkbox"/> | Indoor access point                | 17 dBm / MHz |
| <input type="checkbox"/>            | Fixed point-to-point access points | 17 dBm / MHz |
| <input type="checkbox"/>            | Client devices                     | 11 dBm / MHz |

| Frequency Band (MHz)                |             | Limit            |
|-------------------------------------|-------------|------------------|
| <input checked="" type="checkbox"/> | 5250 ~ 5350 | 11 dBm / MHz     |
| <input checked="" type="checkbox"/> | 5470 ~ 5725 | 11 dBm / MHz     |
| <input checked="" type="checkbox"/> | 5725 ~ 5850 | 30 dBm / 500 kHz |

#### 3.4.2 Test Procedures

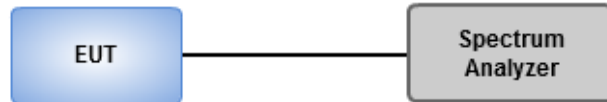
##### For 5150~5250 MHz, 5250~5350 MHz, 5470~5725 MHz

- ☒ Method SA-1 (11a, 11ac VHT20)
  - Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
  - Trace average 100 traces.
  - Use the peak marker function to determine the maximum amplitude level.
- ☒ Method SA-2 Alternative (11ac VHT40, 11ac VHT80)
  - Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
  - Set sweep time  $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$ .
  - Perform a single sweep.
  - Use the peak marker function to determine the maximum amplitude level.
  - Add  $10 \log(1/x)$ , where x is the duty cycle.

##### For 5725~5850 MHz

- ☒ Method SA-1 (11a, 11ac VHT20)
  - Set RBW = 500 kHz, VBW = 2 MHz, Sweep time = auto, Detector = RMS.
  - Trace average 100 traces.
  - Use the peak marker function to determine the maximum amplitude level.
- ☒ Method SA-2 Alternative (11ac VHT40, 11ac VHT80)
  - Set RBW = 500 kHz, VBW = 2 MHz, Detector = RMS.
  - Set sweep time  $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$ .
  - Perform a single sweep.
  - Use the peak marker function to determine the maximum amplitude level.
  - Add  $10 \log(1/x)$ , where x is the duty cycle.

### 3.4.3 Test Setup



### 3.4.4 Test Result of Peak Power Spectral Density

| Frequency band |                 |             | 5150~5250 MHz / 5250~5350 MHz         |                     |                               |                         |
|----------------|-----------------|-------------|---------------------------------------|---------------------|-------------------------------|-------------------------|
| Condition      |                 |             | Peak Power Spectral Density (dBm/MHz) |                     |                               |                         |
| Mode           | N <sub>TX</sub> | Freq. (MHz) | PPSD<br>w/o D.F<br>(dBm/MHz)          | Duty Factor<br>(dB) | PPSD<br>with D.F<br>(dBm/MHz) | PPSD Limit<br>(dBm/MHz) |
| 11a            | 2               | 5180        | 4.18                                  | 0.00                | 4.18                          | 17                      |
| 11a            | 2               | 5200        | 4.13                                  | 0.00                | 4.13                          | 17                      |
| 11a            | 2               | 5240        | 4.20                                  | 0.00                | 4.20                          | 17                      |
| VHT20          | 2               | 5180        | 3.99                                  | 0.00                | 3.99                          | 17                      |
| VHT20          | 2               | 5200        | 4.21                                  | 0.00                | 4.21                          | 17                      |
| VHT20          | 2               | 5240        | 4.09                                  | 0.00                | 4.09                          | 17                      |
| VHT40          | 2               | 5190        | -3.71                                 | 0.23                | -3.48                         | 17                      |
| VHT40          | 2               | 5230        | 1.19                                  | 0.23                | 1.42                          | 17                      |
| VHT80          | 2               | 5210        | -9.22                                 | 0.45                | -8.77                         | 17                      |
| 11a            | 2               | 5260        | 4.64                                  | 0.00                | 4.64                          | 11                      |
| 11a            | 2               | 5300        | 4.14                                  | 0.00                | 4.14                          | 11                      |
| 11a            | 2               | 5320        | 4.50                                  | 0.00                | 4.50                          | 11                      |
| VHT20          | 2               | 5260        | 4.40                                  | 0.00                | 4.40                          | 11                      |
| VHT20          | 2               | 5300        | 4.26                                  | 0.00                | 4.26                          | 11                      |
| VHT20          | 2               | 5320        | 4.04                                  | 0.00                | 4.04                          | 11                      |
| VHT40          | 2               | 5270        | 0.59                                  | 0.23                | 0.82                          | 11                      |
| VHT40          | 2               | 5310        | -2.20                                 | 0.23                | -1.97                         | 11                      |
| VHT80          | 2               | 5290        | -5.19                                 | 0.45                | -4.74                         | 11                      |

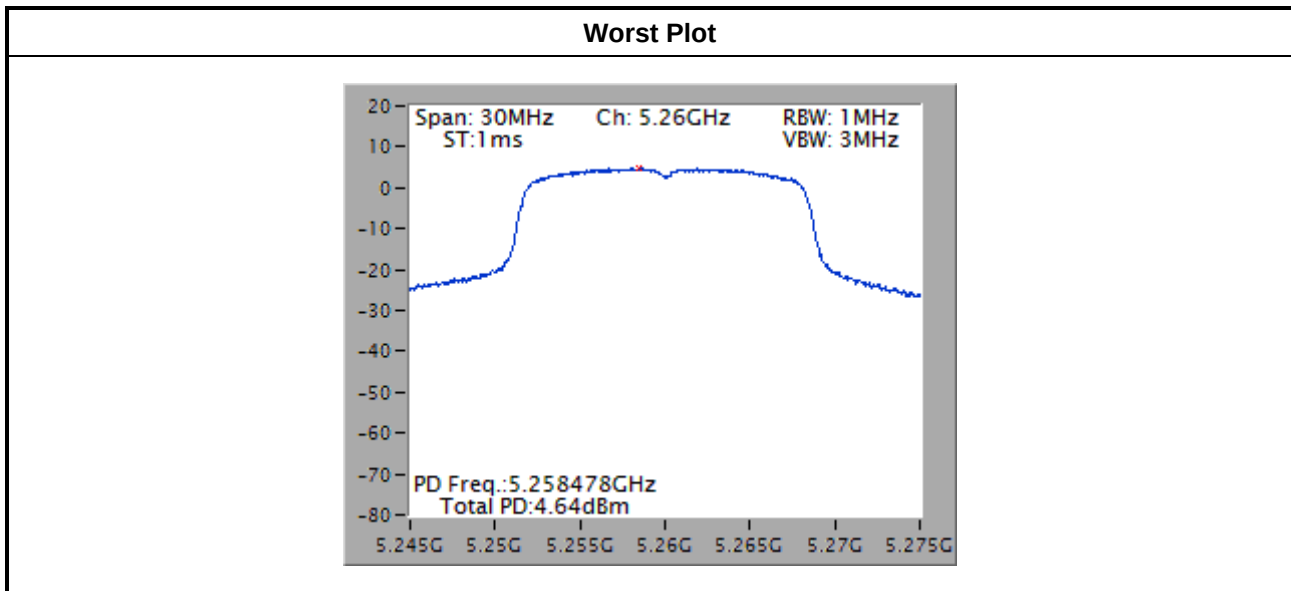
Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.

| Frequency band |                 |             | 5470~5725 MHz                         |                     |                               |                         |
|----------------|-----------------|-------------|---------------------------------------|---------------------|-------------------------------|-------------------------|
| Condition      |                 |             | Peak Power Spectral Density (dBm/MHz) |                     |                               |                         |
| Mode           | N <sub>TX</sub> | Freq. (MHz) | PPSD<br>w/o D.F<br>(dBm/MHz)          | Duty Factor<br>(dB) | PPSD<br>with D.F<br>(dBm/MHz) | PPSD Limit<br>(dBm/MHz) |
| 11a            | 2               | 5500        | 3.84                                  | 0.00                | 3.84                          | 10.54                   |
| 11a            | 2               | 5580        | 3.86                                  | 0.00                | 3.86                          | 10.54                   |
| 11a            | 2               | 5700        | 3.40                                  | 0.00                | 3.40                          | 10.54                   |
| VHT20          | 2               | 5500        | 3.86                                  | 0.00                | 3.86                          | 10.54                   |
| VHT20          | 2               | 5580        | 3.76                                  | 0.00                | 3.76                          | 10.54                   |
| VHT20          | 2               | 5700        | 3.06                                  | 0.00                | 3.06                          | 10.54                   |
| VHT40          | 2               | 5510        | -2.99                                 | 0.23                | -2.76                         | 10.54                   |
| VHT40          | 2               | 5590        | 0.65                                  | 0.23                | 0.88                          | 10.54                   |
| VHT40          | 2               | 5670        | -0.27                                 | 0.23                | -0.04                         | 10.54                   |
| VHT80          | 2               | 5530        | -8.53                                 | 0.45                | -8.08                         | 10.54                   |
| VHT80          | 2               | 5610        | -5.42                                 | 0.45                | -4.97                         | 10.54                   |

Note:

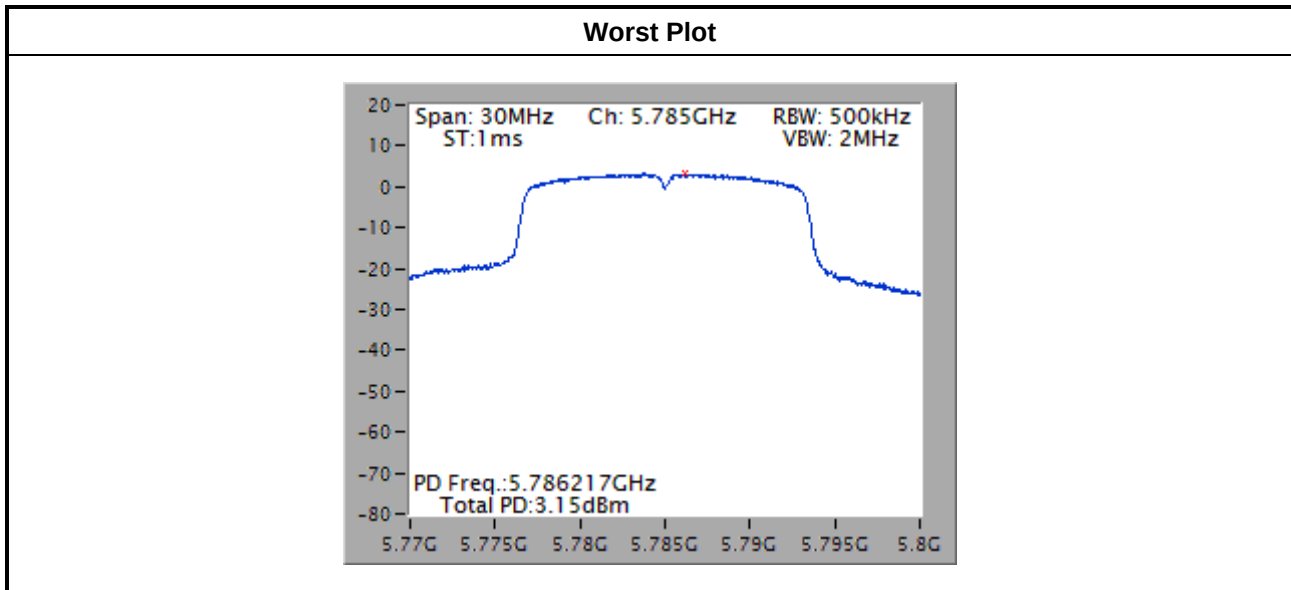
1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain =  $10 * \log((10^{3.2/20} + 10^{3.7/20})/2) = 6.46 \text{ dBi} > 6 \text{ dBi}.$   
Limit shall be reduced to  $11 \text{ dBm} - (6.46 \text{ dBi} - 6 \text{ dBi}) = 10.54 \text{ dBm}.$



| Frequency band |                 |             | 5725-5850 MHz                            |                     |                                  |                            |
|----------------|-----------------|-------------|------------------------------------------|---------------------|----------------------------------|----------------------------|
| Condition      |                 |             | Peak Power Spectral Density (dBm/500kHz) |                     |                                  |                            |
| Mode           | N <sub>TX</sub> | Freq. (MHz) | PPSD<br>w/o D.F<br>(dBm/500kHz)          | Duty Factor<br>(dB) | PPSD<br>with D.F<br>(dBm/500kHz) | PPSD Limit<br>(dBm/500kHz) |
| 11a            | 2               | 5745        | 2.91                                     | 0.00                | 2.91                             | 29.34                      |
| 11a            | 2               | 5785        | 3.15                                     | 0.00                | 3.15                             | 29.34                      |
| 11a            | 2               | 5825        | 2.57                                     | 0.00                | 2.57                             | 29.34                      |
| VHT20          | 2               | 5745        | 2.72                                     | 0.00                | 2.72                             | 29.34                      |
| VHT20          | 2               | 5785        | 2.69                                     | 0.00                | 2.69                             | 29.34                      |
| VHT20          | 2               | 5825        | 2.80                                     | 0.00                | 2.80                             | 29.34                      |
| VHT40          | 2               | 5755        | -0.98                                    | 0.23                | -0.75                            | 29.34                      |
| VHT40          | 2               | 5795        | -0.73                                    | 0.23                | -0.50                            | 29.34                      |
| VHT80          | 2               | 5775        | -6.90                                    | 0.45                | -6.45                            | 29.34                      |

Note:

1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. Directional gain =  $10 * \log((10^{3.4/20} + 10^{3.9/20})^2 / 2) = 6.66 \text{ dBi} > 6 \text{ dBi}$ .  
Limit shall be reduced to  $30 \text{ dBm} - (6.66 \text{ dBi} - 6 \text{ dBi}) = 29.34 \text{ dBm}$ .



### 3.5 Transmitter Radiated and Band Edge Emissions

#### 3.5.1 Limit of Transmitter Radiated and Band Edge Emissions

| Restricted Band Emissions Limit |                       |                         |                      |
|---------------------------------|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz)           | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490                     | 2400/F(kHz)           | 48.5 - 13.8             | 300                  |
| 0.490~1.705                     | 24000/F(kHz)          | 33.8 - 23               | 30                   |
| 1.705~30.0                      | 30                    | 29                      | 30                   |
| 30~88                           | 100                   | 40                      | 3                    |
| 88~216                          | 150                   | 43.5                    | 3                    |
| 216~960                         | 200                   | 46                      | 3                    |
| Above 960                       | 500                   | 54                      | 3                    |

**Note 1:**  
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

**Note 2:**  
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

| Un-restricted band emissions above 1GHz Limit |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Band                                | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5.15 - 5.25 GHz                               | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5.25 - 5.35 GHz                               | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5.47 - 5.725 GHz                              | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5.725 - 5.850 GHz                             | <input checked="" type="checkbox"/> 15.407(b)(4)(i)<br>All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.                      |
|                                               | <input type="checkbox"/> 15.407(b)(4)(ii), compliance with the emission limits in § 15.247(d)<br>Shall be at least 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power,. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see § 15.205(c)) |

**Note 1:** Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

### 3.5.2 Test Procedures

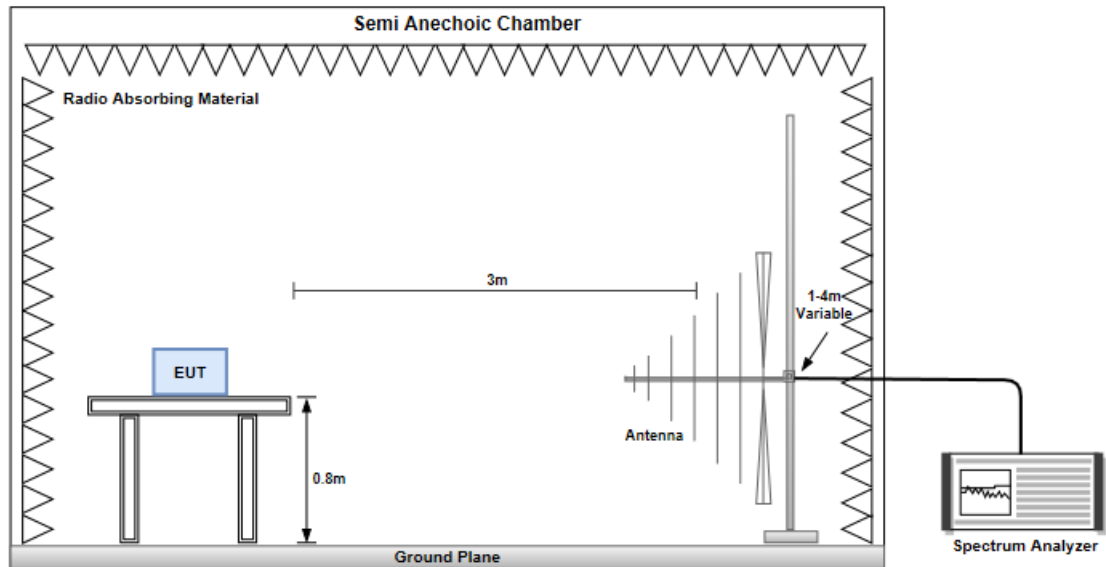
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of  $360^{\circ}$ . A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated  $360^{\circ}$ , the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

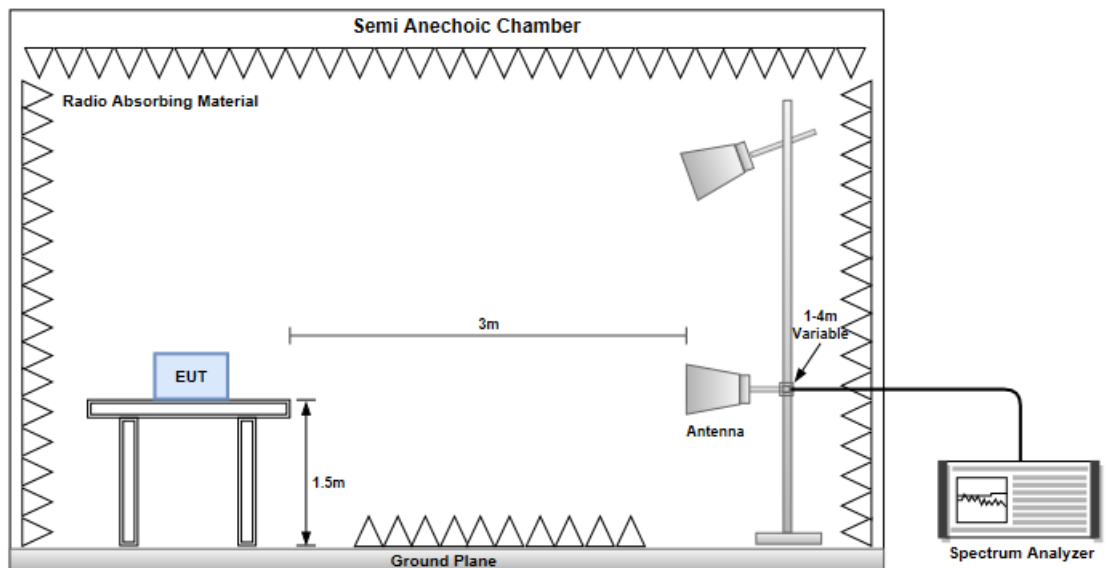
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

### 3.5.3 Test Setup

#### Radiated Emissions below 1 GHz

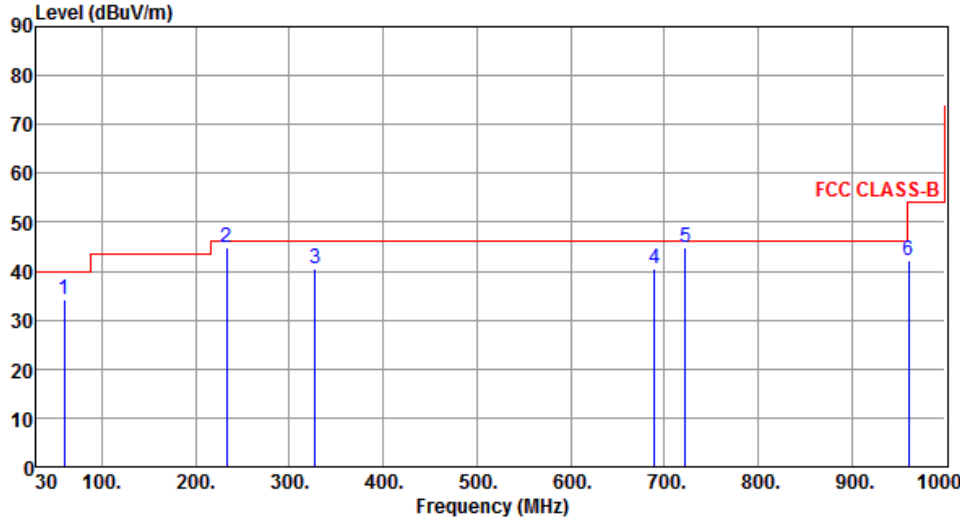


#### Radiated Emissions above 1 GHz



### 3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

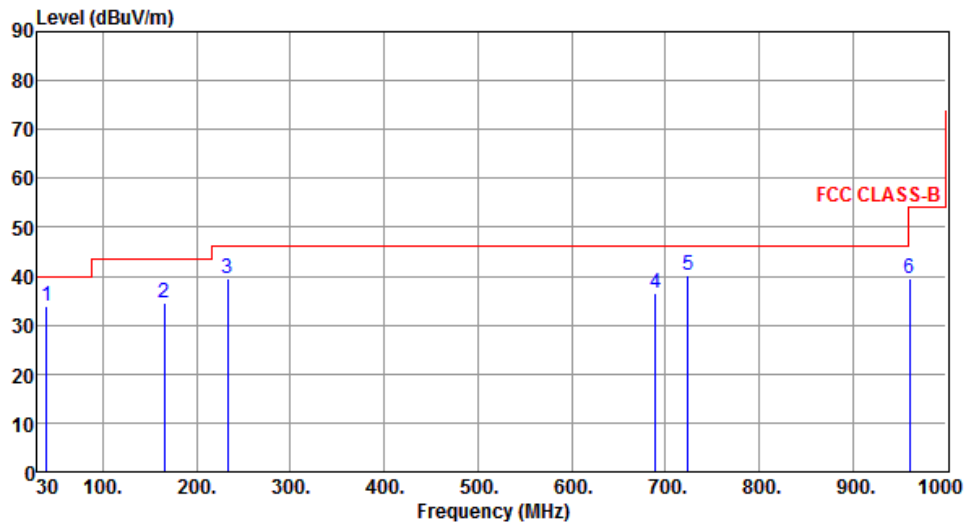
|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5260 |
| Polarization | Horizontal | Test Configuration | 1    |

|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 60.21        | 34.34                       | 40.00           | -5.66        | 43.03                 | -8.69        | Peak   | ---               | ---                  |
| 2 | 233.38       | 44.74                       | 46.00           | -1.26        | 54.51                 | -9.77        | QP     | 127               | 153                  |
| 3 | 327.64       | 40.68                       | 46.00           | -5.32        | 47.58                 | -6.90        | Peak   | ---               | ---                  |
| 4 | 689.51       | 40.64                       | 46.00           | -5.36        | 40.06                 | 0.58         | Peak   | ---               | ---                  |
| 5 | 722.52       | 44.91                       | 46.00           | -1.09        | 43.58                 | 1.33         | QP     | 119               | 291                  |
| 6 | 960.33       | 42.12                       | 54.00           | -11.88       | 36.90                 | 5.22         | Peak   | ---               | ---                  |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)  
\*Factor includes antenna factor , cable loss and amplifier gain  
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).  
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5260 |
| Polarization | Vertical | Test Configuration | 1    |



|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 39.60        | 33.85                       | 40.00           | -6.15        | 42.32                 | -8.47        | Peak   | ---               | ---                  |
| 2 | 165.74       | 34.39                       | 43.50           | -9.11        | 42.53                 | -8.14        | Peak   | ---               | ---                  |
| 3 | 232.66       | 39.54                       | 46.00           | -6.46        | 49.36                 | -9.82        | Peak   | ---               | ---                  |
| 4 | 689.54       | 36.48                       | 46.00           | -9.52        | 35.90                 | 0.58         | Peak   | ---               | ---                  |
| 5 | 724.49       | 40.32                       | 46.00           | -5.68        | 38.94                 | 1.38         | Peak   | ---               | ---                  |
| 6 | 960.37       | 39.62                       | 54.00           | -14.38       | 34.40                 | 5.22         | Peak   | ---               | ---                  |

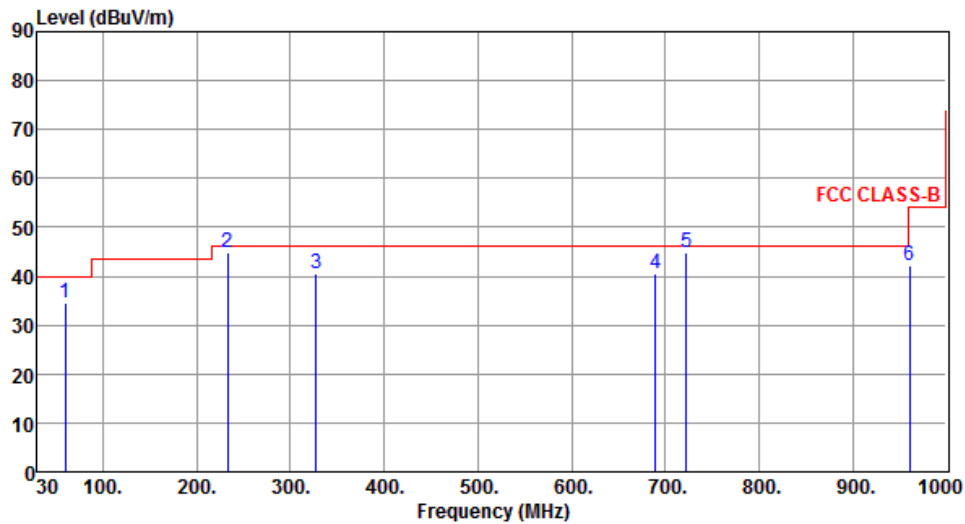
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5260 |
| Polarization | Horizontal | Test Configuration | 2    |



|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 60.14        | 34.59                       | 40.00           | -5.41        | 43.27                 | -8.68        | Peak   | ---               | ---                  |
| 2 | 233.36       | 44.86                       | 46.00           | -1.14        | 54.63                 | -9.77        | QP     | 127               | 150                  |
| 3 | 327.66       | 40.68                       | 46.00           | -5.32        | 47.58                 | -6.90        | Peak   | ---               | ---                  |
| 4 | 689.58       | 40.65                       | 46.00           | -5.35        | 40.07                 | 0.58         | Peak   | ---               | ---                  |
| 5 | 722.51       | 44.99                       | 46.00           | -1.01        | 43.66                 | 1.33         | QP     | 118               | 292                  |
| 6 | 960.46       | 42.21                       | 54.00           | -11.79       | 36.99                 | 5.22         | Peak   | ---               | ---                  |

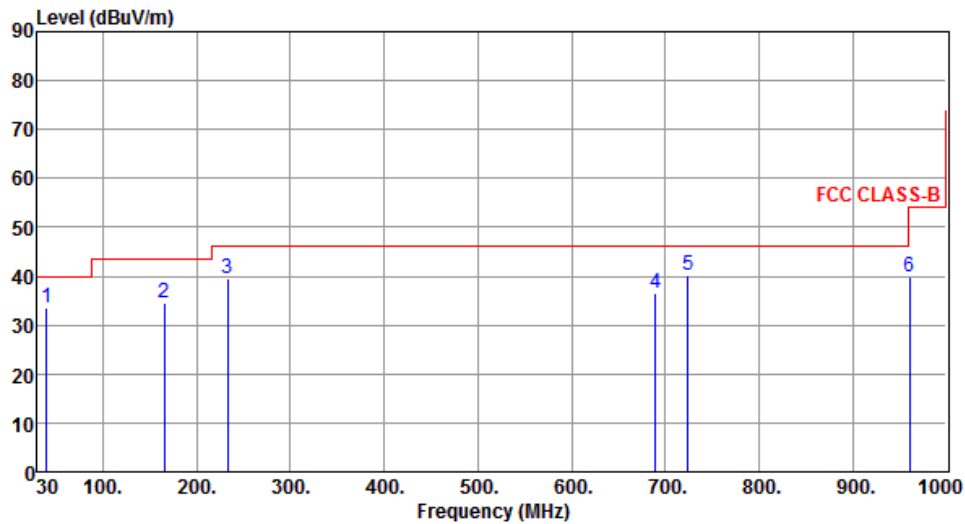
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5260 |
| Polarization | Vertical | Test Configuration | 2    |



|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 39.65        | 33.68                       | 40.00           | -6.32        | 42.14                 | -8.46        | Peak   | ---               | ---                  |
| 2 | 165.82       | 34.39                       | 43.50           | -9.11        | 42.53                 | -8.14        | Peak   | ---               | ---                  |
| 3 | 232.68       | 39.47                       | 46.00           | -6.53        | 49.29                 | -9.82        | Peak   | ---               | ---                  |
| 4 | 689.57       | 36.37                       | 46.00           | -9.63        | 35.79                 | 0.58         | Peak   | ---               | ---                  |
| 5 | 724.49       | 40.26                       | 46.00           | -5.74        | 38.88                 | 1.38         | Peak   | ---               | ---                  |
| 6 | 960.46       | 39.89                       | 54.00           | -14.11       | 34.67                 | 5.22         | Peak   | ---               | ---                  |

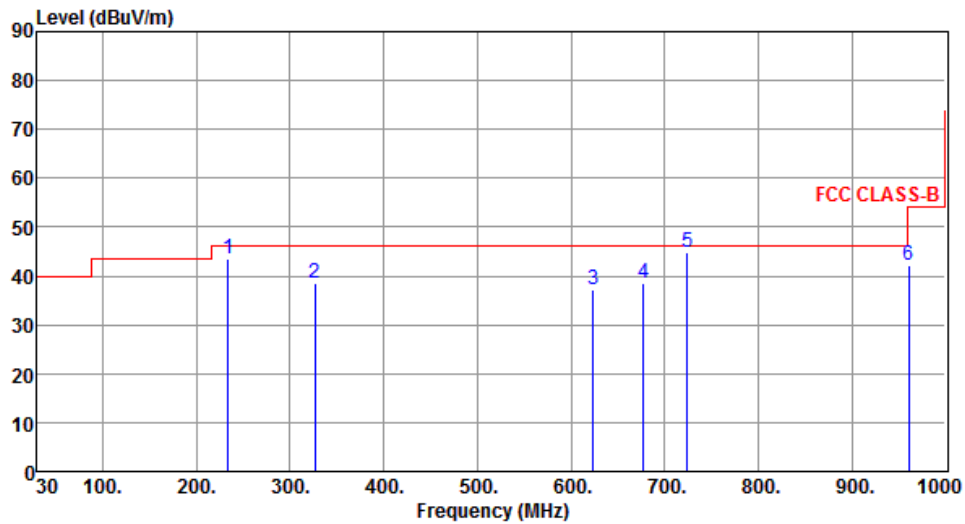
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5745 |
| Polarization | Horizontal | Test Configuration | 1    |



|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 233.61       | 43.45                       | 46.00           | -2.55        | 53.21                 | -9.76        | QP     | 123               | 150                  |
| 2 | 326.66       | 38.65                       | 46.00           | -7.35        | 45.57                 | -6.92        | Peak   | ---               | ---                  |
| 3 | 623.55       | 37.23                       | 46.00           | -8.77        | 37.55                 | -0.32        | Peak   | ---               | ---                  |
| 4 | 677.84       | 38.39                       | 46.00           | -7.61        | 37.97                 | 0.42         | Peak   | ---               | ---                  |
| 5 | 724.14       | 44.97                       | 46.00           | -1.03        | 43.60                 | 1.37         | QP     | 113               | 285                  |
| 6 | 960.39       | 42.02                       | 54.00           | -11.98       | 36.80                 | 5.22         | Peak   | ---               | ---                  |

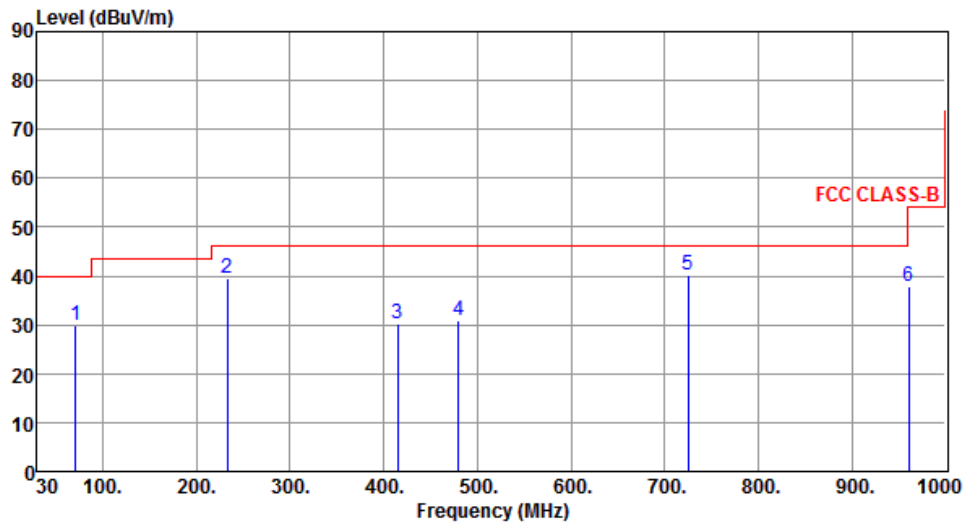
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5745 |
| Polarization | Vertical | Test Configuration | 1    |



|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 70.66        | 30.01                       | 40.00           | -9.99        | 40.53                 | -10.52       | Peak   | ---               | ---                  |
| 2 | 232.64       | 39.57                       | 46.00           | -6.43        | 49.40                 | -9.83        | Peak   | ---               | ---                  |
| 3 | 415.12       | 30.11                       | 46.00           | -15.89       | 34.70                 | -4.59        | Peak   | ---               | ---                  |
| 4 | 480.11       | 30.78                       | 46.00           | -15.22       | 34.06                 | -3.28        | Peak   | ---               | ---                  |
| 5 | 724.74       | 40.21                       | 46.00           | -5.79        | 38.83                 | 1.38         | Peak   | ---               | ---                  |
| 6 | 960.31       | 37.85                       | 54.00           | -16.15       | 32.63                 | 5.22         | Peak   | ---               | ---                  |

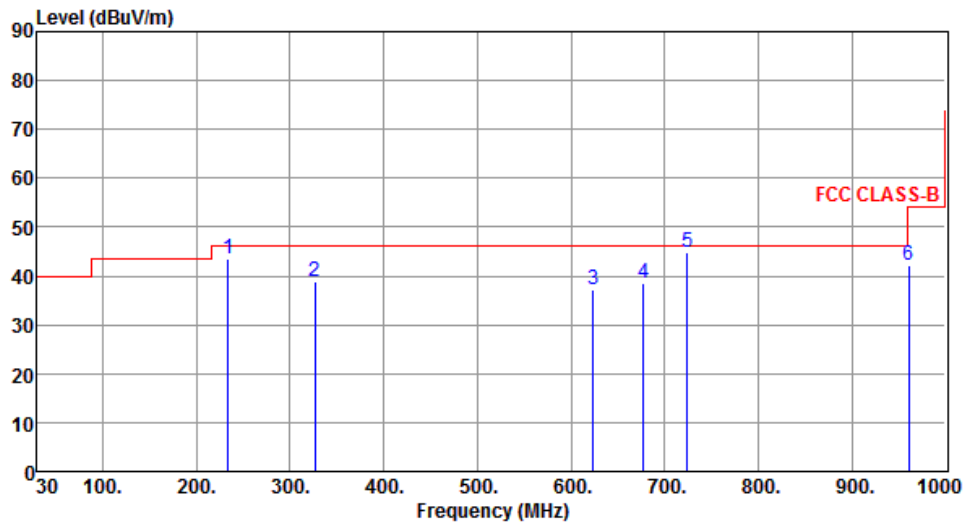
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5745 |
| Polarization | Horizontal | Test Configuration | 2    |



|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 233.64       | 43.48                       | 46.00           | -2.52        | 53.24                 | -9.76        | QP     | 121               | 148                  |
| 2 | 326.61       | 38.95                       | 46.00           | -7.05        | 45.87                 | -6.92        | Peak   | ---               | ---                  |
| 3 | 623.65       | 37.31                       | 46.00           | -8.69        | 37.63                 | -0.32        | Peak   | ---               | ---                  |
| 4 | 677.74       | 38.65                       | 46.00           | -7.35        | 38.23                 | 0.42         | Peak   | ---               | ---                  |
| 5 | 724.13       | 44.89                       | 46.00           | -1.11        | 43.52                 | 1.37         | QP     | 115               | 285                  |
| 6 | 960.49       | 42.21                       | 54.00           | -11.79       | 36.99                 | 5.22         | Peak   | ---               | ---                  |

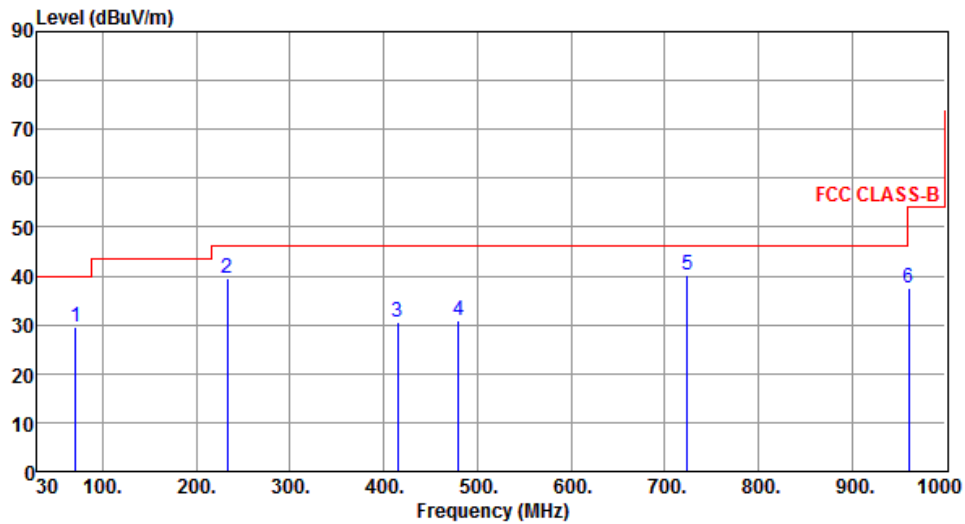
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5745 |
| Polarization | Vertical | Test Configuration | 2    |



|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 70.63        | 29.67                       | 40.00           | -10.33       | 40.18                 | -10.51       | Peak   | ---               | ---                  |
| 2 | 232.64       | 39.58                       | 46.00           | -6.42        | 49.41                 | -9.83        | Peak   | ---               | ---                  |
| 3 | 415.12       | 30.65                       | 46.00           | -15.35       | 35.24                 | -4.59        | Peak   | ---               | ---                  |
| 4 | 480.21       | 30.97                       | 46.00           | -15.03       | 34.25                 | -3.28        | Peak   | ---               | ---                  |
| 5 | 724.49       | 40.21                       | 46.00           | -5.79        | 38.83                 | 1.38         | Peak   | ---               | ---                  |
| 6 | 960.37       | 37.51                       | 54.00           | -16.49       | 32.29                 | 5.22         | Peak   | ---               | ---                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

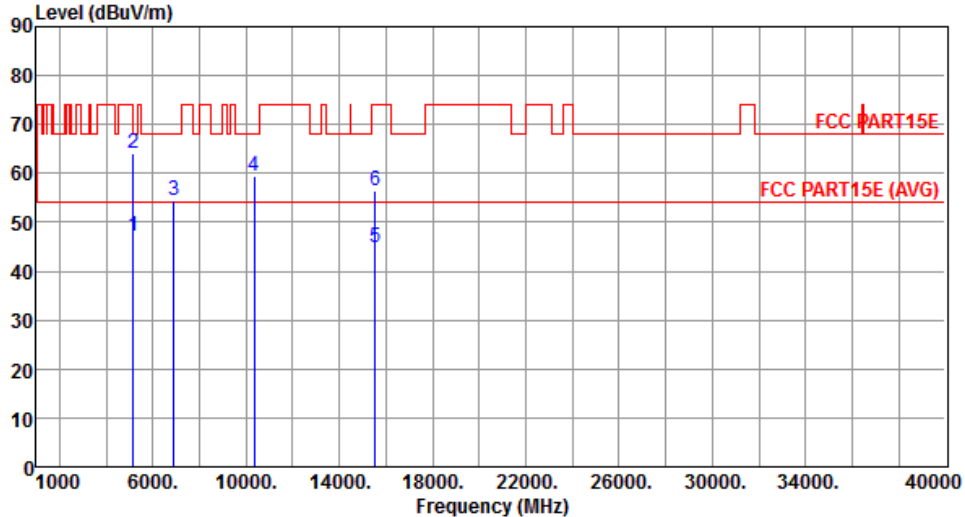
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

### 3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

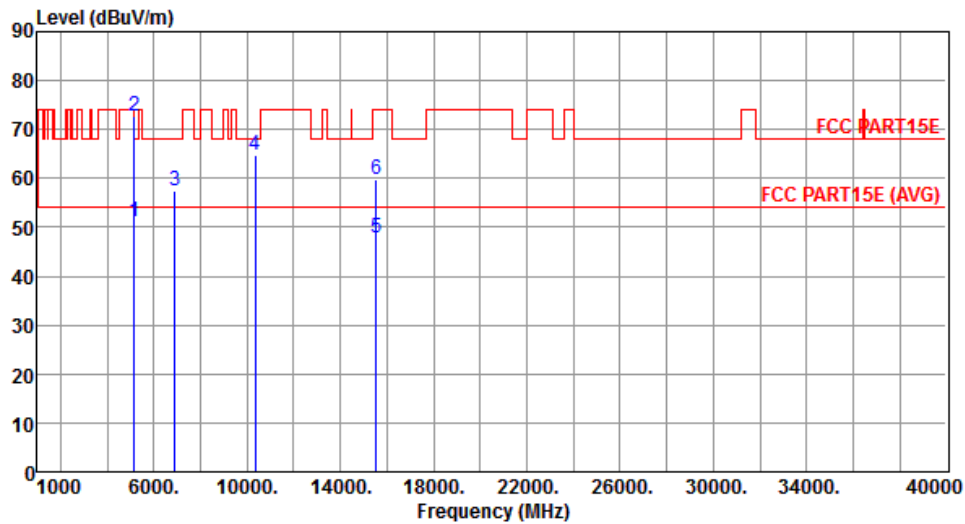
|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5180 |
| Polarization | Horizontal | Test Configuration | 1    |

|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 47.16                       | 54.00           | -6.84        | 41.16                 | 6.00         | Average | 125               | 306                  |
| 2 | 5150.00      | 64.14                       | 74.00           | -9.86        | 58.14                 | 6.00         | Peak    | 125               | 306                  |
| 3 | 6907.00      | 54.61                       | 68.20           | -13.59       | 44.62                 | 9.99         | Peak    | 100               | 62                   |
| 4 | 10360.00     | 59.52                       | 68.20           | -8.68        | 43.77                 | 15.75        | Peak    | 383               | 253                  |
| 5 | 15540.00     | 44.88                       | 54.00           | -9.12        | 28.15                 | 16.73        | Average | 100               | 20                   |
| 6 | 15540.00     | 56.32                       | 74.00           | -17.68       | 39.59                 | 16.73        | Peak    | 100               | 20                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5180 |
| Polarization | Vertical | Test Configuration | 1    |



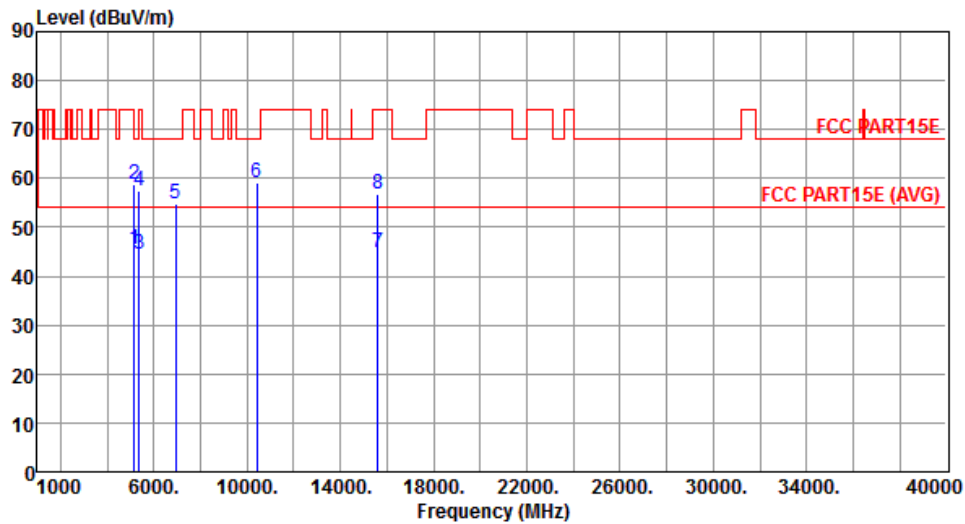
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 51.26                       | 54.00           | -2.74        | 45.26                 | 6.00         | Average | 187               | 17                   |
| 2 | 5150.00      | 72.62                       | 74.00           | -1.38        | 66.62                 | 6.00         | Peak    | 187               | 17                   |
| 3 | 6907.00      | 57.53                       | 68.20           | -10.67       | 47.54                 | 9.99         | Peak    | 370               | 215                  |
| 4 | 10360.00     | 64.61                       | 68.20           | -3.59        | 48.86                 | 15.75        | Peak    | 242               | 75                   |
| 5 | 15540.00     | 47.75                       | 54.00           | -6.25        | 31.02                 | 16.73        | Average | 274               | 41                   |
| 6 | 15540.00     | 59.62                       | 74.00           | -14.38       | 42.89                 | 16.73        | Peak    | 274               | 41                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5200 |
| Polarization | Horizontal | Test Configuration | 1    |



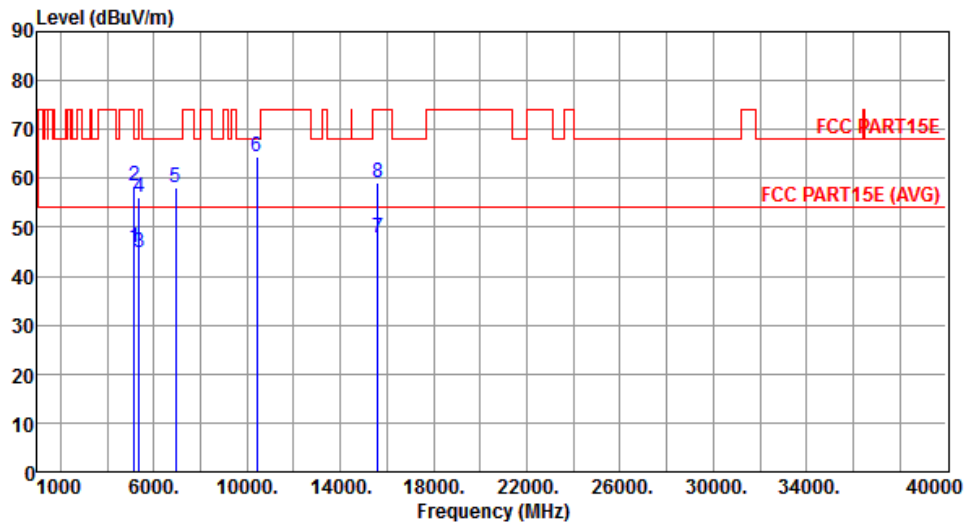
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.56                       | 54.00           | -8.44        | 39.56                 | 6.00         | Average | 118               | 302                  |
| 2 | 5150.00      | 58.70                       | 74.00           | -15.30       | 52.70                 | 6.00         | Peak    | 118               | 302                  |
| 3 | 5350.00      | 44.59                       | 54.00           | -9.41        | 38.23                 | 6.36         | Average | 118               | 302                  |
| 4 | 5350.00      | 57.55                       | 74.00           | -16.45       | 51.19                 | 6.36         | Peak    | 118               | 302                  |
| 5 | 6933.00      | 54.65                       | 68.20           | -13.55       | 44.57                 | 10.08        | Peak    | 100               | 63                   |
| 6 | 10400.00     | 59.20                       | 68.20           | -9.00        | 43.42                 | 15.78        | Peak    | 372               | 240                  |
| 7 | 15600.00     | 44.99                       | 54.00           | -9.01        | 28.34                 | 16.65        | Average | 100               | 35                   |
| 8 | 15600.00     | 56.81                       | 74.00           | -17.19       | 40.16                 | 16.65        | Peak    | 100               | 35                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5200 |
| Polarization | Vertical | Test Configuration | 1    |



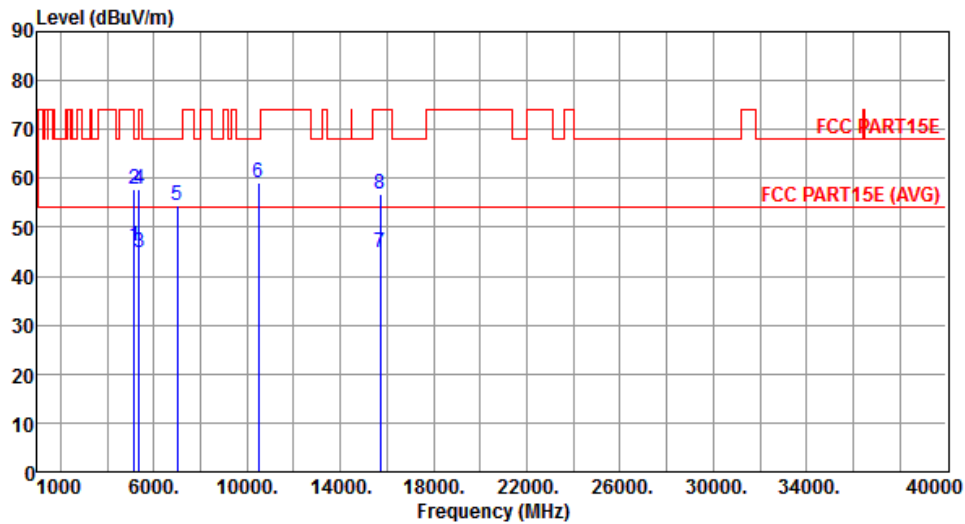
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.91                       | 54.00           | -8.09        | 39.91                 | 6.00         | Average | 180               | 45                   |
| 2 | 5150.00      | 58.33                       | 74.00           | -15.67       | 52.33                 | 6.00         | Peak    | 180               | 45                   |
| 3 | 5350.00      | 44.99                       | 54.00           | -9.01        | 38.63                 | 6.36         | Average | 180               | 45                   |
| 4 | 5350.00      | 56.26                       | 74.00           | -17.74       | 49.90                 | 6.36         | Peak    | 180               | 45                   |
| 5 | 6933.00      | 57.97                       | 68.20           | -10.23       | 47.89                 | 10.08        | Peak    | 364               | 161                  |
| 6 | 10400.00     | 64.51                       | 68.20           | -3.69        | 48.73                 | 15.78        | Peak    | 238               | 66                   |
| 7 | 15600.00     | 47.91                       | 54.00           | -6.09        | 31.26                 | 16.65        | Average | 258               | 52                   |
| 8 | 15600.00     | 59.21                       | 74.00           | -14.79       | 42.56                 | 16.65        | Peak    | 258               | 52                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5240 |
| Polarization | Horizontal | Test Configuration | 1    |



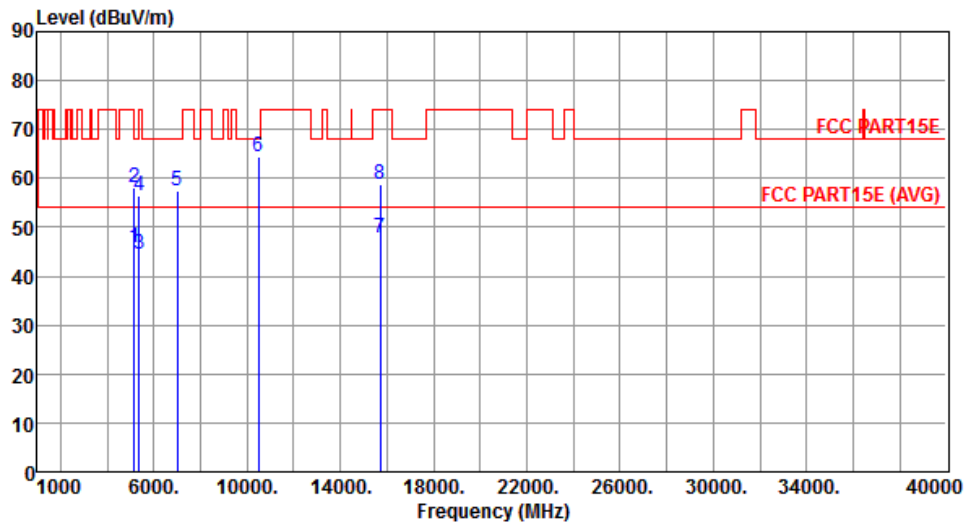
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 46.02                       | 54.00           | -7.98        | 40.02                 | 6.00         | Average | 123               | 302                  |
| 2 | 5150.00      | 57.82                       | 74.00           | -16.18       | 51.82                 | 6.00         | Peak    | 123               | 302                  |
| 3 | 5350.00      | 44.72                       | 54.00           | -9.28        | 38.36                 | 6.36         | Average | 123               | 302                  |
| 4 | 5350.00      | 57.73                       | 74.00           | -16.27       | 51.37                 | 6.36         | Peak    | 123               | 302                  |
| 5 | 6986.66      | 54.56                       | 68.20           | -13.64       | 44.29                 | 10.27        | Peak    | 117               | 62                   |
| 6 | 10480.00     | 59.03                       | 68.20           | -9.17        | 43.20                 | 15.83        | Peak    | 378               | 240                  |
| 7 | 15720.00     | 44.73                       | 54.00           | -9.27        | 28.22                 | 16.51        | Average | 100               | 46                   |
| 8 | 15720.00     | 56.79                       | 74.00           | -17.21       | 40.28                 | 16.51        | Peak    | 100               | 46                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5240 |
| Polarization | Vertical | Test Configuration | 1    |



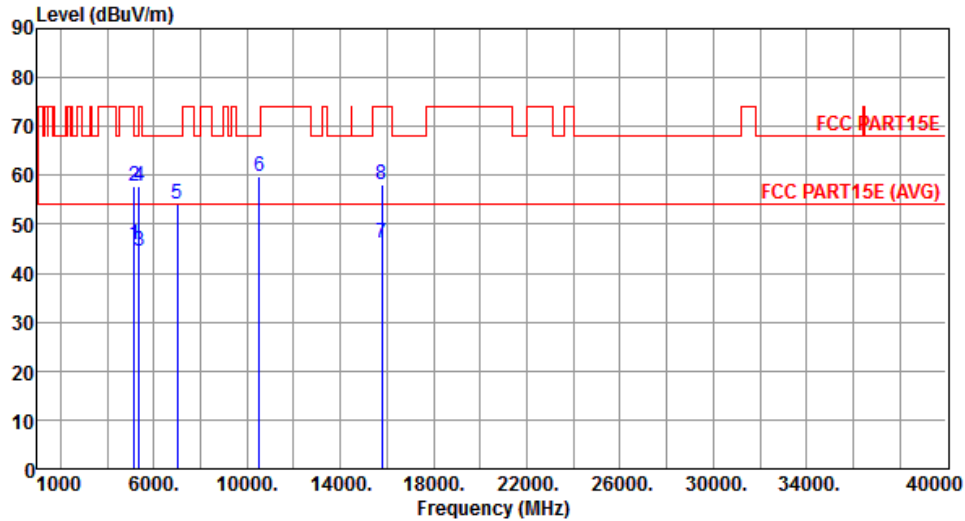
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.76                       | 54.00           | -8.24        | 39.76                 | 6.00         | Average | 168               | 18                   |
| 2 | 5150.00      | 58.24                       | 74.00           | -15.76       | 52.24                 | 6.00         | Peak    | 168               | 18                   |
| 3 | 5350.00      | 44.62                       | 54.00           | -9.38        | 38.26                 | 6.36         | Average | 168               | 18                   |
| 4 | 5350.00      | 56.41                       | 74.00           | -17.59       | 50.05                 | 6.36         | Peak    | 168               | 18                   |
| 5 | 6986.66      | 57.47                       | 68.20           | -10.73       | 47.20                 | 10.27        | Peak    | 357               | 176                  |
| 6 | 10480.00     | 64.41                       | 68.20           | -3.79        | 48.58                 | 15.83        | Peak    | 216               | 75                   |
| 7 | 15720.00     | 47.92                       | 54.00           | -6.08        | 31.41                 | 16.51        | Average | 246               | 81                   |
| 8 | 15720.00     | 58.95                       | 74.00           | -15.05       | 42.44                 | 16.51        | Peak    | 246               | 81                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5260 |
| Polarization | Horizontal | Test Configuration | 1    |



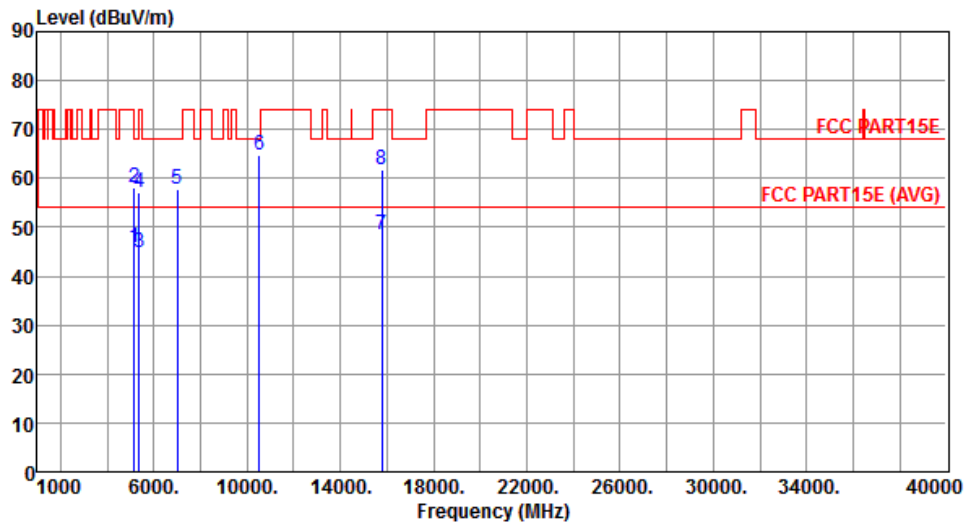
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.70                       | 54.00           | -8.30        | 39.70                 | 6.00         | Average | 224               | 293                  |
| 2 | 5150.00      | 57.90                       | 74.00           | -16.10       | 51.90                 | 6.00         | Peak    | 224               | 293                  |
| 3 | 5350.00      | 44.46                       | 54.00           | -9.54        | 38.10                 | 6.36         | Average | 224               | 293                  |
| 4 | 5350.00      | 57.78                       | 74.00           | -16.22       | 51.42                 | 6.36         | Peak    | 224               | 293                  |
| 5 | 7013.00      | 54.12                       | 68.20           | -14.08       | 43.80                 | 10.32        | Peak    | 103               | 62                   |
| 6 | 10520.00     | 59.71                       | 68.20           | -8.49        | 43.83                 | 15.88        | Peak    | 372               | 242                  |
| 7 | 15780.00     | 46.07                       | 54.00           | -7.93        | 29.64                 | 16.43        | Average | 100               | 16                   |
| 8 | 15780.00     | 58.21                       | 74.00           | -15.79       | 41.78                 | 16.43        | Peak    | 100               | 16                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5260 |
| Polarization | Vertical | Test Configuration | 1    |



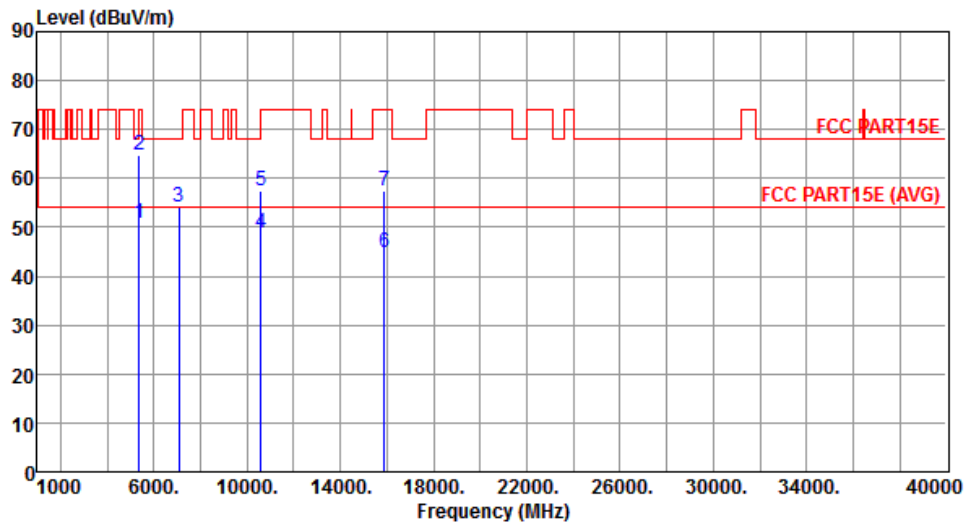
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.80                       | 54.00           | -8.20        | 39.80                 | 6.00         | Average | 203               | 7                    |
| 2 | 5150.00      | 58.10                       | 74.00           | -15.90       | 52.10                 | 6.00         | Peak    | 203               | 7                    |
| 3 | 5350.00      | 44.92                       | 54.00           | -9.08        | 38.56                 | 6.36         | Average | 203               | 7                    |
| 4 | 5350.00      | 57.26                       | 74.00           | -16.74       | 50.90                 | 6.36         | Peak    | 203               | 7                    |
| 5 | 7013.00      | 57.74                       | 68.20           | -10.46       | 47.42                 | 10.32        | Peak    | 353               | 176                  |
| 6 | 10520.00     | 64.65                       | 68.20           | -3.55        | 48.77                 | 15.88        | Peak    | 268               | 182                  |
| 7 | 15780.00     | 48.44                       | 54.00           | -5.56        | 32.01                 | 16.43        | Average | 242               | 33                   |
| 8 | 15780.00     | 61.93                       | 74.00           | -12.07       | 45.50                 | 16.43        | Peak    | 242               | 33                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5300 |
| Polarization | Horizontal | Test Configuration | 1    |



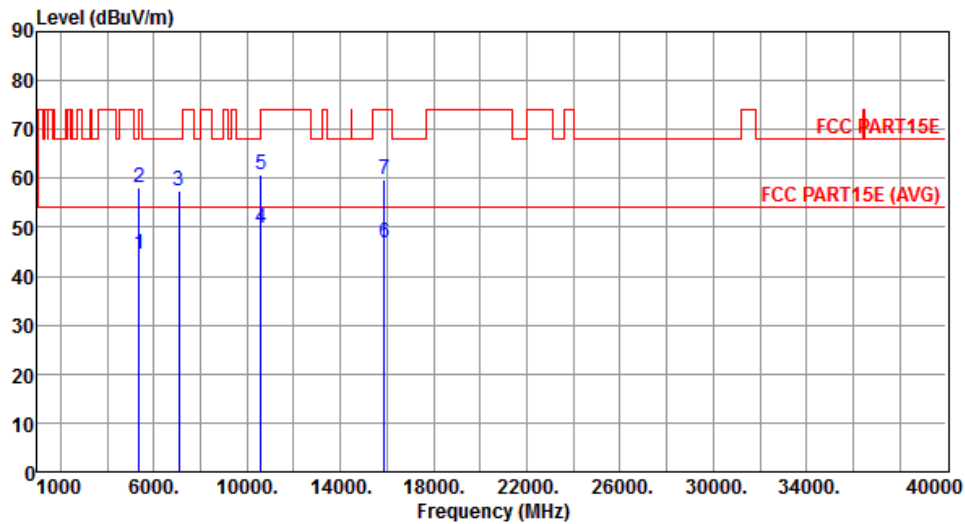
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 50.78                       | 54.00           | -3.22        | 44.42                 | 6.36         | Average | 126               | 298                  |
| 2 | 5350.00      | 64.83                       | 74.00           | -9.17        | 58.47                 | 6.36         | Peak    | 126               | 298                  |
| 3 | 7066.66      | 53.98                       | 68.20           | -14.22       | 43.65                 | 10.33        | Peak    | 110               | 61                   |
| 4 | 10600.00     | 48.84                       | 54.00           | -5.16        | 32.81                 | 16.03        | Average | 380               | 246                  |
| 5 | 10600.00     | 57.34                       | 74.00           | -16.66       | 41.31                 | 16.03        | Peak    | 380               | 246                  |
| 6 | 15900.00     | 44.87                       | 54.00           | -9.13        | 28.58                 | 16.29        | Average | 211               | 254                  |
| 7 | 15900.00     | 57.41                       | 74.00           | -16.59       | 41.12                 | 16.29        | Peak    | 211               | 254                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5300 |
| Polarization | Vertical | Test Configuration | 1    |



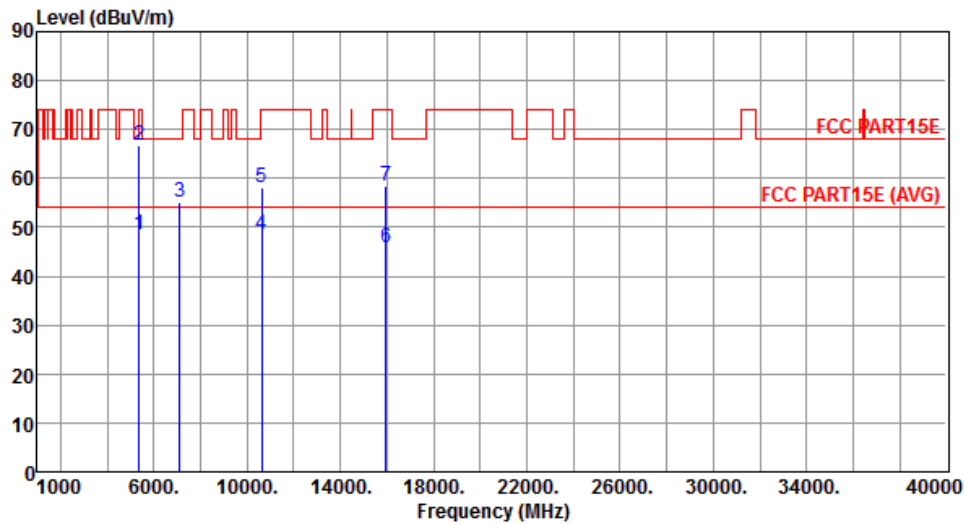
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 44.45                       | 54.00           | -9.55        | 38.09                 | 6.36         | Average | 218               | 20                   |
| 2 | 5350.00      | 58.21                       | 74.00           | -15.79       | 51.85                 | 6.36         | Peak    | 218               | 20                   |
| 3 | 7066.66      | 57.54                       | 68.20           | -10.66       | 47.21                 | 10.33        | Peak    | 356               | 175                  |
| 4 | 10600.00     | 49.94                       | 54.00           | -4.06        | 33.91                 | 16.03        | Average | 263               | 188                  |
| 5 | 10600.00     | 60.89                       | 74.00           | -13.11       | 44.86                 | 16.03        | Peak    | 263               | 188                  |
| 6 | 15900.00     | 46.99                       | 54.00           | -7.01        | 30.70                 | 16.29        | Average | 235               | 278                  |
| 7 | 15900.00     | 59.87                       | 74.00           | -14.13       | 43.58                 | 16.29        | Peak    | 235               | 278                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5320 |
| Polarization | Horizontal | Test Configuration | 1    |



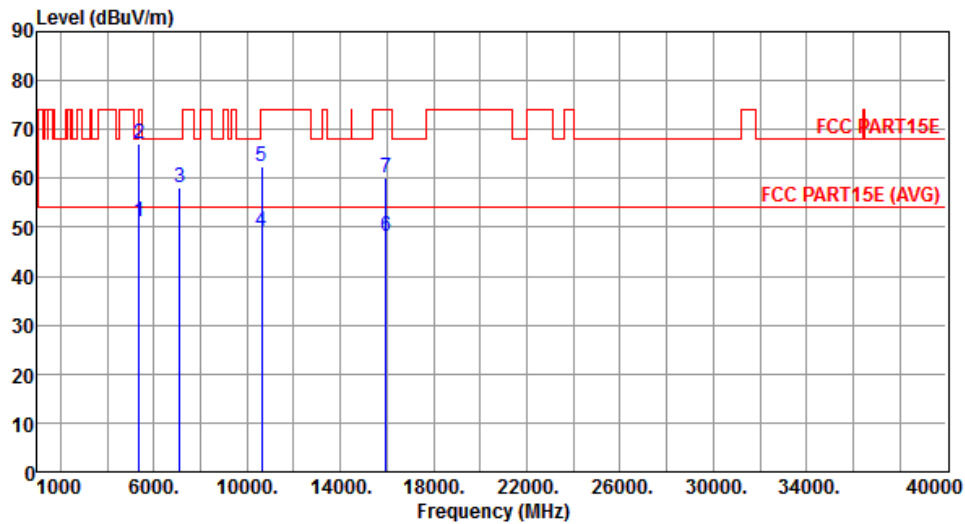
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 48.34                       | 54.00           | -5.66        | 41.98                 | 6.36         | Average | 229               | 290                  |
| 2 | 5350.00      | 66.61                       | 74.00           | -7.39        | 60.25                 | 6.36         | Peak    | 229               | 290                  |
| 3 | 7093.00      | 54.98                       | 68.20           | -13.22       | 44.64                 | 10.34        | Peak    | 100               | 295                  |
| 4 | 10640.00     | 48.58                       | 54.00           | -5.42        | 32.46                 | 16.12        | Average | 380               | 244                  |
| 5 | 10640.00     | 58.01                       | 74.00           | -15.99       | 41.89                 | 16.12        | Peak    | 380               | 244                  |
| 6 | 15960.00     | 45.70                       | 54.00           | -8.30        | 29.49                 | 16.21        | Average | 232               | 267                  |
| 7 | 15960.00     | 58.57                       | 74.00           | -15.43       | 42.36                 | 16.21        | Peak    | 232               | 267                  |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5320 |
| Polarization | Vertical | Test Configuration | 1    |



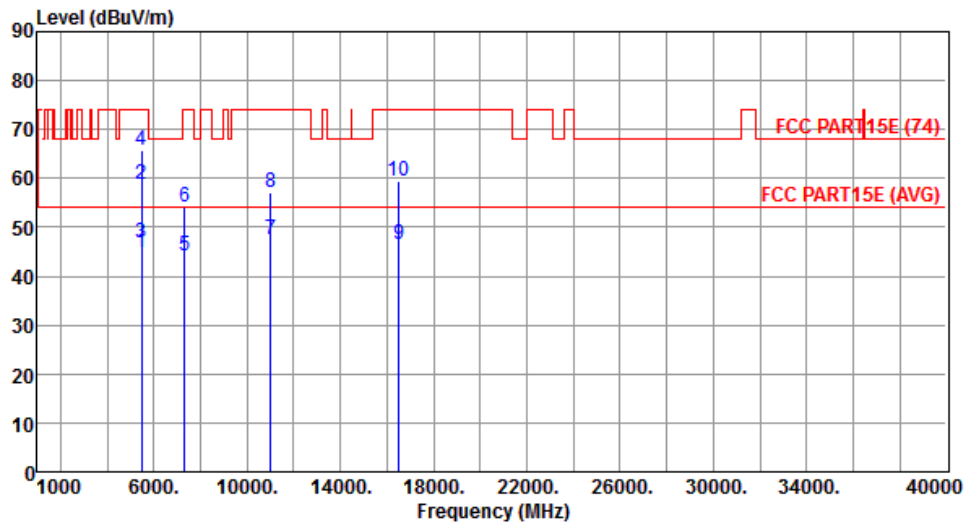
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 51.06                       | 54.00           | -2.94        | 44.70                 | 6.36         | Average | 204               | 356                  |
| 2 | 5350.00      | 67.03                       | 74.00           | -6.97        | 60.67                 | 6.36         | Peak    | 204               | 356                  |
| 3 | 7093.00      | 58.05                       | 68.20           | -10.15       | 47.71                 | 10.34        | Peak    | 273               | 181                  |
| 4 | 10640.00     | 49.31                       | 54.00           | -4.69        | 33.19                 | 16.12        | Average | 293               | 77                   |
| 5 | 10640.00     | 62.31                       | 74.00           | -11.69       | 46.19                 | 16.12        | Peak    | 293               | 77                   |
| 6 | 15960.00     | 48.07                       | 54.00           | -5.93        | 31.86                 | 16.21        | Average | 237               | 276                  |
| 7 | 15960.00     | 60.23                       | 74.00           | -13.77       | 44.02                 | 16.21        | Peak    | 237               | 276                  |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5500 |
| Polarization | Horizontal | Test Configuration | 1    |



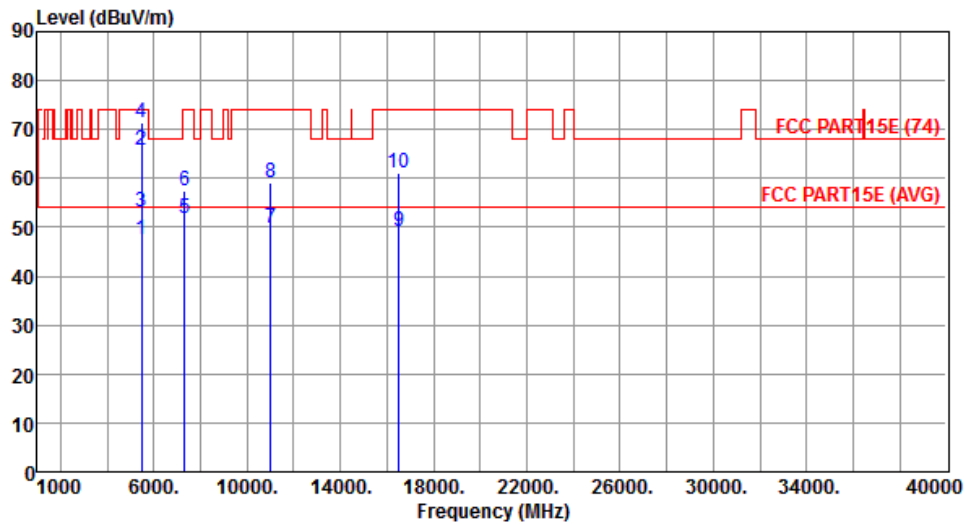
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 44.87                       | 54.00           | -9.13        | 38.32                 | 6.55         | Average | 218               | 325                  |
| 2  | 5460.00      | 58.81                       | 74.00           | -15.19       | 52.26                 | 6.55         | Peak    | 218               | 325                  |
| 3  | 5470.00      | 46.89                       | 54.00           | -7.11        | 40.33                 | 6.56         | Average | 218               | 325                  |
| 4  | 5470.00      | 65.83                       | 74.00           | -8.17        | 59.27                 | 6.56         | Peak    | 218               | 325                  |
| 5  | 7333.33      | 44.21                       | 54.00           | -9.79        | 33.27                 | 10.94        | Average | 103               | 174                  |
| 6  | 7333.33      | 54.22                       | 74.00           | -19.78       | 43.28                 | 10.94        | Peak    | 103               | 174                  |
| 7  | 11000.00     | 47.36                       | 54.00           | -6.64        | 30.58                 | 16.78        | Average | 109               | 221                  |
| 8  | 11000.00     | 57.27                       | 74.00           | -16.73       | 40.49                 | 16.78        | Peak    | 109               | 221                  |
| 9  | 16500.00     | 46.49                       | 54.00           | -7.51        | 29.35                 | 17.14        | Average | 100               | 0                    |
| 10 | 16500.00     | 59.29                       | 74.00           | -14.71       | 42.15                 | 17.14        | Peak    | 100               | 0                    |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5500 |
| Polarization | Vertical | Test Configuration | 1    |



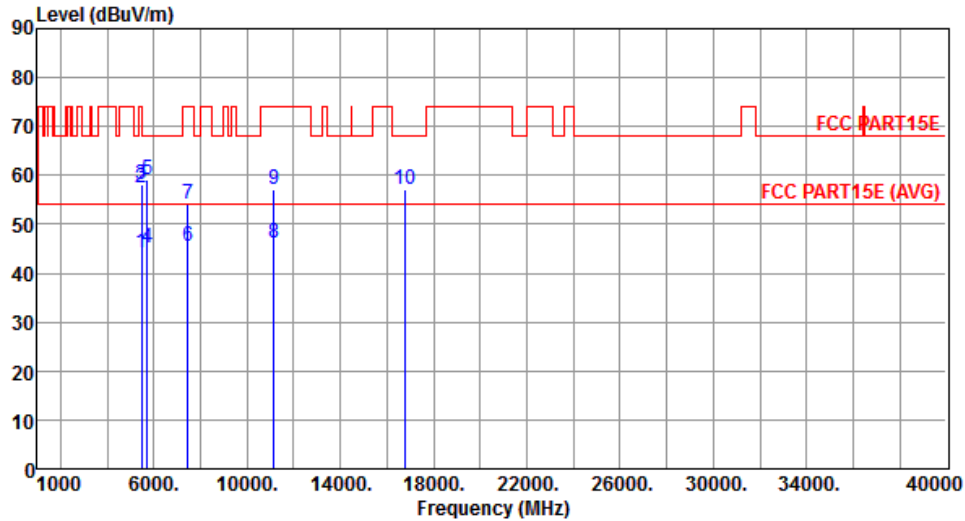
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 47.48                       | 54.00           | -6.52        | 40.93                 | 6.55         | Average | 181               | 15                   |
| 2  | 5460.00      | 65.91                       | 74.00           | -8.09        | 59.36                 | 6.55         | Peak    | 181               | 15                   |
| 3  | 5470.00      | 53.15                       | 54.00           | -0.85        | 46.59                 | 6.56         | Average | 181               | 15                   |
| 4  | 5470.00      | 71.30                       | 74.00           | -2.70        | 64.74                 | 6.56         | Peak    | 181               | 15                   |
| 5  | 7333.33      | 51.87                       | 54.00           | -2.13        | 40.93                 | 10.94        | Average | 324               | 179                  |
| 6  | 7333.33      | 57.40                       | 74.00           | -16.60       | 46.46                 | 10.94        | Peak    | 324               | 179                  |
| 7  | 11000.00     | 49.81                       | 54.00           | -4.19        | 33.03                 | 16.78        | Average | 247               | 243                  |
| 8  | 11000.00     | 59.16                       | 74.00           | -14.84       | 42.38                 | 16.78        | Peak    | 247               | 243                  |
| 9  | 16500.00     | 49.15                       | 54.00           | -4.85        | 32.01                 | 17.14        | Average | 255               | 46                   |
| 10 | 16500.00     | 61.26                       | 74.00           | -12.74       | 44.12                 | 17.14        | Peak    | 255               | 46                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5580 |
| Polarization | Horizontal | Test Configuration | 1    |



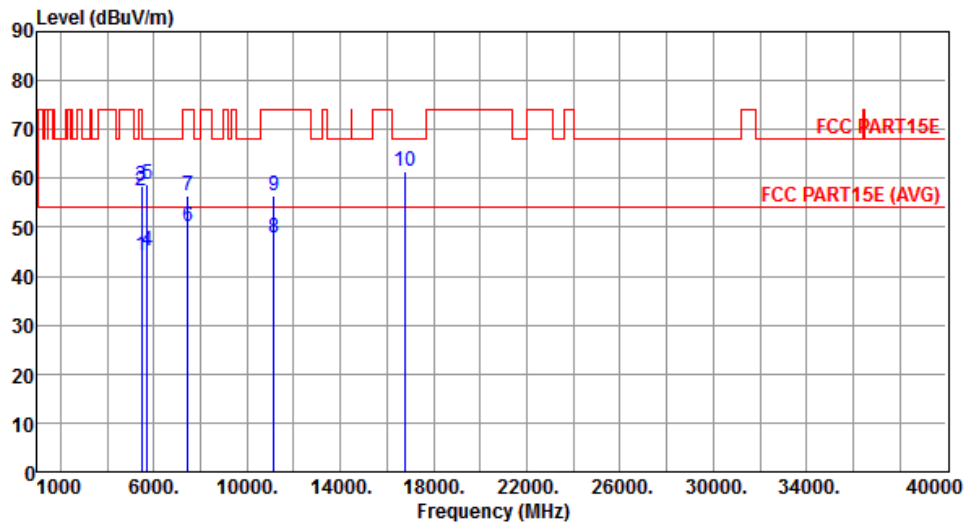
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 44.12                       | 54.00           | -9.88        | 37.57                 | 6.55         | Average | 189               | 294                  |
| 2  | 5460.00      | 57.48                       | 74.00           | -16.52       | 50.93                 | 6.55         | Peak    | 189               | 294                  |
| 3  | 5470.00      | 58.03                       | 68.20           | -10.17       | 51.47                 | 6.56         | Peak    | 189               | 294                  |
| 4  | 5725.00      | 45.04                       | 54.00           | -8.96        | 38.13                 | 6.91         | Average | 189               | 294                  |
| 5  | 5725.00      | 59.11                       | 68.20           | -9.09        | 52.20                 | 6.91         | Peak    | 189               | 294                  |
| 6  | 7440.00      | 45.40                       | 54.00           | -8.60        | 34.13                 | 11.27        | Average | 100               | 292                  |
| 7  | 7440.00      | 54.30                       | 74.00           | -19.70       | 43.03                 | 11.27        | Peak    | 100               | 292                  |
| 8  | 11160.00     | 46.13                       | 54.00           | -7.87        | 29.42                 | 16.71        | Average | 319               | 234                  |
| 9  | 11160.00     | 57.08                       | 74.00           | -16.92       | 40.37                 | 16.71        | Peak    | 319               | 234                  |
| 10 | 16740.00     | 57.26                       | 68.20           | -10.94       | 39.78                 | 17.48        | Peak    | 100               | 16                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5580 |
| Polarization | Vertical | Test Configuration | 1    |



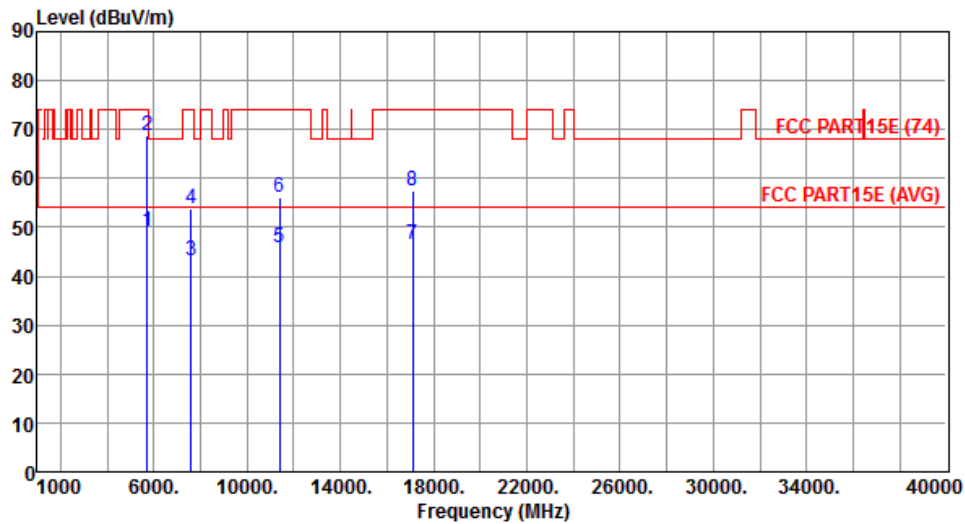
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 44.18                       | 54.00           | -9.82        | 37.63                 | 6.55         | Average | 171               | 27                   |
| 2  | 5460.00      | 57.48                       | 74.00           | -16.52       | 50.93                 | 6.55         | Peak    | 171               | 27                   |
| 3  | 5470.00      | 58.59                       | 68.20           | -9.61        | 52.03                 | 6.56         | Peak    | 171               | 27                   |
| 4  | 5725.00      | 45.02                       | 54.00           | -8.98        | 38.11                 | 6.91         | Average | 171               | 27                   |
| 5  | 5725.00      | 58.90                       | 68.20           | -9.30        | 51.99                 | 6.91         | Peak    | 171               | 27                   |
| 6  | 7440.00      | 50.01                       | 54.00           | -3.99        | 38.74                 | 11.27        | Average | 303               | 182                  |
| 7  | 7440.00      | 56.41                       | 74.00           | -17.59       | 45.14                 | 11.27        | Peak    | 303               | 182                  |
| 8  | 11160.00     | 47.67                       | 54.00           | -6.33        | 30.96                 | 16.71        | Average | 237               | 223                  |
| 9  | 11160.00     | 56.43                       | 74.00           | -17.57       | 39.72                 | 16.71        | Peak    | 237               | 223                  |
| 10 | 16740.00     | 61.37                       | 68.20           | -6.83        | 43.89                 | 17.48        | Peak    | 260               | 78                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5700 |
| Polarization | Horizontal | Test Configuration | 1    |



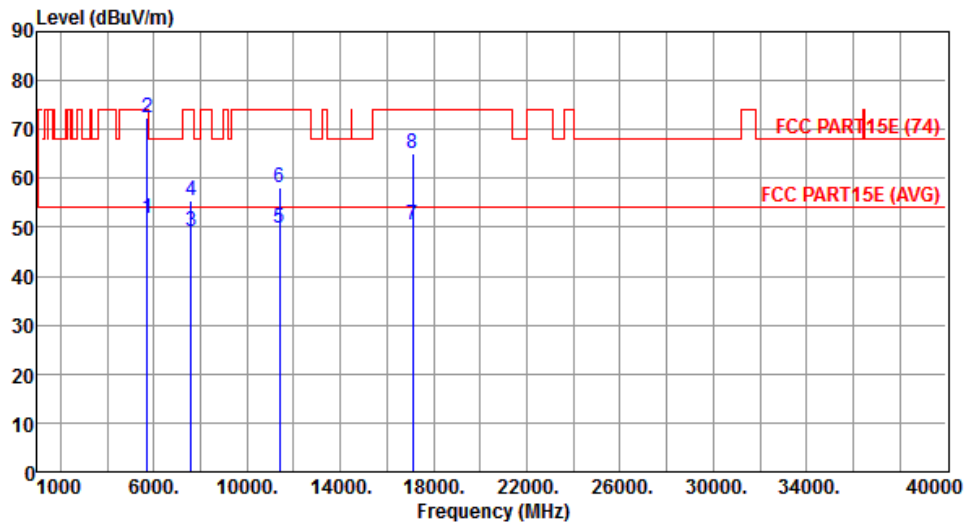
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 49.25                       | 54.00           | -4.75        | 42.34                 | 6.91         | Average | 241               | 317                  |
| 2 | 5725.00      | 68.72                       | 74.00           | -5.28        | 61.81                 | 6.91         | Peak    | 241               | 317                  |
| 3 | 7600.00      | 43.21                       | 54.00           | -10.79       | 31.83                 | 11.38        | Average | 100               | 253                  |
| 4 | 7600.00      | 53.70                       | 74.00           | -20.30       | 42.32                 | 11.38        | Peak    | 100               | 253                  |
| 5 | 11400.00     | 45.75                       | 54.00           | -8.25        | 29.12                 | 16.63        | Average | 331               | 221                  |
| 6 | 11400.00     | 56.09                       | 74.00           | -17.91       | 39.46                 | 16.63        | Peak    | 331               | 221                  |
| 7 | 17100.00     | 46.48                       | 54.00           | -7.52        | 28.33                 | 18.15        | Average | 100               | 25                   |
| 8 | 17100.00     | 57.38                       | 74.00           | -16.62       | 39.23                 | 18.15        | Peak    | 100               | 25                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5700 |
| Polarization | Vertical | Test Configuration | 1    |



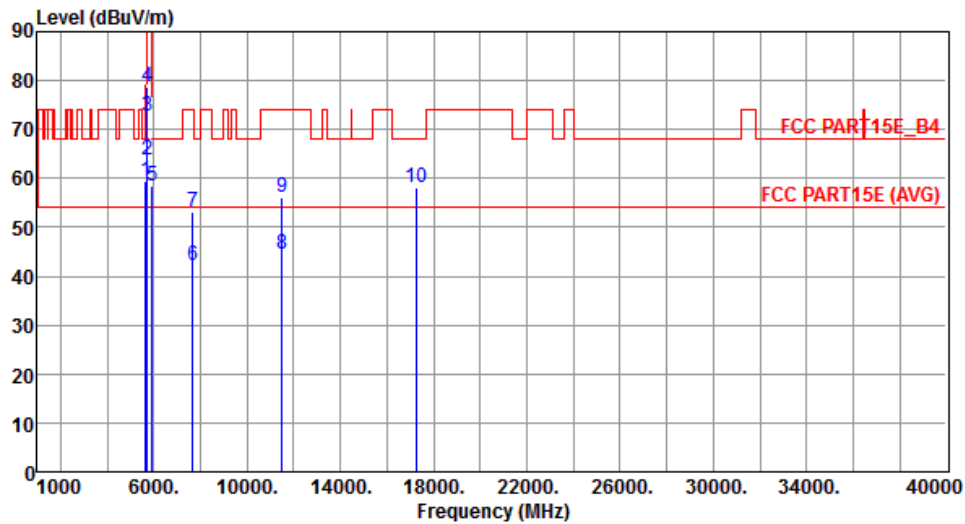
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 51.70                       | 54.00           | -2.30        | 44.79                 | 6.91         | Average | 224               | 5                    |
| 2 | 5725.00      | 72.31                       | 74.00           | -1.69        | 65.40                 | 6.91         | Peak    | 224               | 5                    |
| 3 | 7600.00      | 49.08                       | 54.00           | -4.92        | 37.70                 | 11.38        | Average | 104               | 91                   |
| 4 | 7600.00      | 55.46                       | 74.00           | -18.54       | 44.08                 | 11.38        | Peak    | 104               | 91                   |
| 5 | 11400.00     | 49.66                       | 54.00           | -4.34        | 33.03                 | 16.63        | Average | 287               | 241                  |
| 6 | 11400.00     | 58.12                       | 74.00           | -15.88       | 41.49                 | 16.63        | Peak    | 287               | 241                  |
| 7 | 17100.00     | 50.41                       | 54.00           | -3.59        | 32.26                 | 18.15        | Average | 254               | 62                   |
| 8 | 17100.00     | 65.23                       | 74.00           | -8.77        | 47.08                 | 18.15        | Peak    | 254               | 62                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5745 |
| Polarization | Horizontal | Test Configuration | 1    |



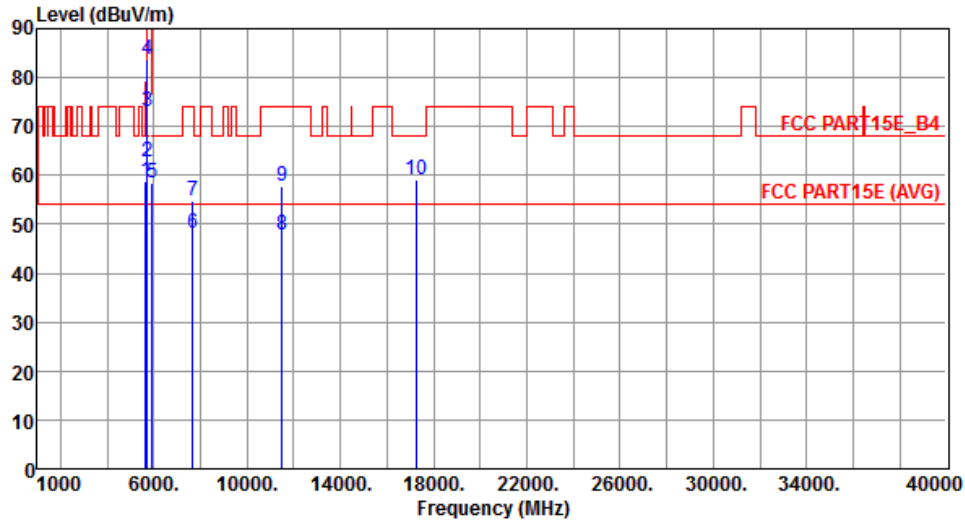
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 59.33                       | 68.20           | -8.87        | 52.53                 | 6.80         | Peak    | 170               | 297                  |
| 2  | 5700.00      | 63.83                       | 105.20          | -41.37       | 56.95                 | 6.88         | Peak    | 170               | 297                  |
| 3  | 5720.00      | 72.62                       | 110.80          | -38.18       | 65.71                 | 6.91         | Peak    | 170               | 297                  |
| 4  | 5725.00      | 78.85                       | 122.20          | -43.35       | 71.94                 | 6.91         | Peak    | 170               | 297                  |
| 5  | 5925.00      | 58.30                       | 68.20           | -9.90        | 51.09                 | 7.21         | Peak    | 170               | 297                  |
| 6  | 7660.00      | 42.20                       | 54.00           | -11.80       | 30.81                 | 11.39        | Average | 100               | 340                  |
| 7  | 7660.00      | 53.25                       | 74.00           | -20.75       | 41.86                 | 11.39        | Peak    | 100               | 340                  |
| 8  | 11490.00     | 44.50                       | 54.00           | -9.50        | 27.91                 | 16.59        | Average | 100               | 60                   |
| 9  | 11490.00     | 56.16                       | 74.00           | -17.84       | 39.57                 | 16.59        | Peak    | 100               | 60                   |
| 10 | 17235.00     | 58.08                       | 68.20           | -10.12       | 39.51                 | 18.57        | Peak    | 100               | 180                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5745 |
| Polarization | Vertical | Test Configuration | 1    |



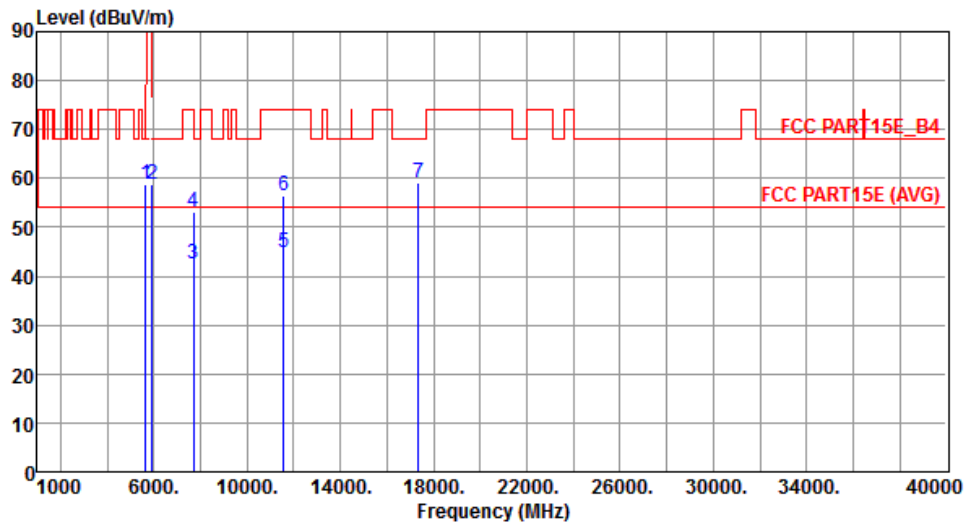
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 58.66                       | 68.20           | -9.54        | 51.86                 | 6.80         | Peak    | 205               | 4                    |
| 2  | 5700.00      | 62.62                       | 105.20          | -42.58       | 55.74                 | 6.88         | Peak    | 205               | 4                    |
| 3  | 5720.00      | 73.10                       | 110.80          | -37.70       | 66.19                 | 6.91         | Peak    | 205               | 4                    |
| 4  | 5725.00      | 83.71                       | 122.20          | -38.49       | 76.80                 | 6.91         | Peak    | 205               | 4                    |
| 5  | 5925.00      | 58.48                       | 68.20           | -9.72        | 51.27                 | 7.21         | Peak    | 205               | 4                    |
| 6  | 7660.00      | 48.12                       | 54.00           | -5.88        | 36.73                 | 11.39        | Average | 100               | 99                   |
| 7  | 7660.00      | 54.78                       | 74.00           | -19.22       | 43.39                 | 11.39        | Peak    | 100               | 99                   |
| 8  | 11490.00     | 47.77                       | 54.00           | -6.23        | 31.18                 | 16.59        | Average | 225               | 229                  |
| 9  | 11490.00     | 57.88                       | 74.00           | -16.12       | 41.29                 | 16.59        | Peak    | 225               | 229                  |
| 10 | 17235.00     | 59.09                       | 68.20           | -9.11        | 40.52                 | 18.57        | Peak    | 238               | 54                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5785 |
| Polarization | Horizontal | Test Configuration | 1    |



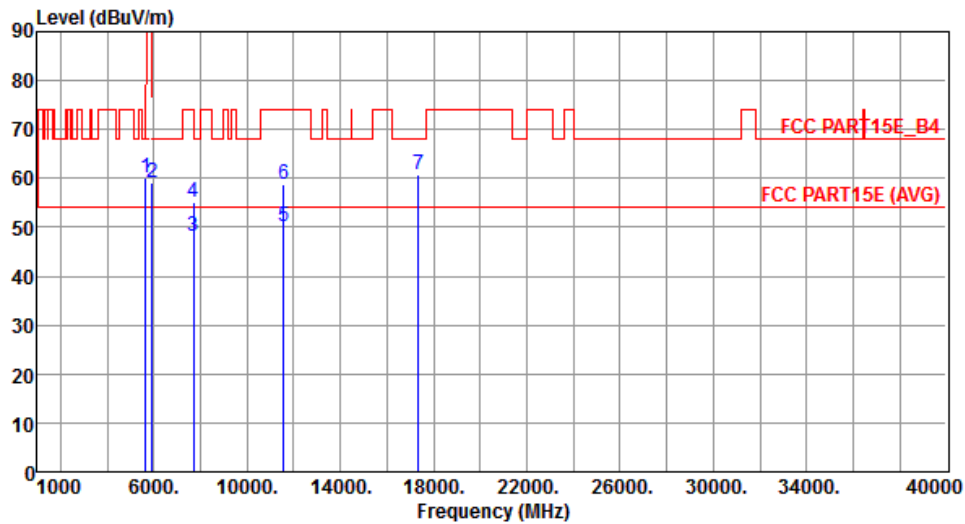
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 58.78                       | 68.20           | -9.42        | 51.98                 | 6.80         | Peak    | 163               | 318                  |
| 2 | 5925.00      | 58.73                       | 68.20           | -9.47        | 51.52                 | 7.21         | Peak    | 163               | 318                  |
| 3 | 7713.33      | 42.35                       | 54.00           | -11.65       | 30.94                 | 11.41        | Average | 100               | 329                  |
| 4 | 7713.33      | 53.12                       | 74.00           | -20.88       | 41.71                 | 11.41        | Peak    | 100               | 329                  |
| 5 | 11570.00     | 44.72                       | 54.00           | -9.28        | 28.23                 | 16.49        | Average | 100               | 60                   |
| 6 | 11570.00     | 56.61                       | 74.00           | -17.39       | 40.12                 | 16.49        | Peak    | 100               | 60                   |
| 7 | 17355.00     | 59.21                       | 68.20           | -8.99        | 40.27                 | 18.94        | Peak    | 100               | 30                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5785 |
| Polarization | Vertical | Test Configuration | 1    |



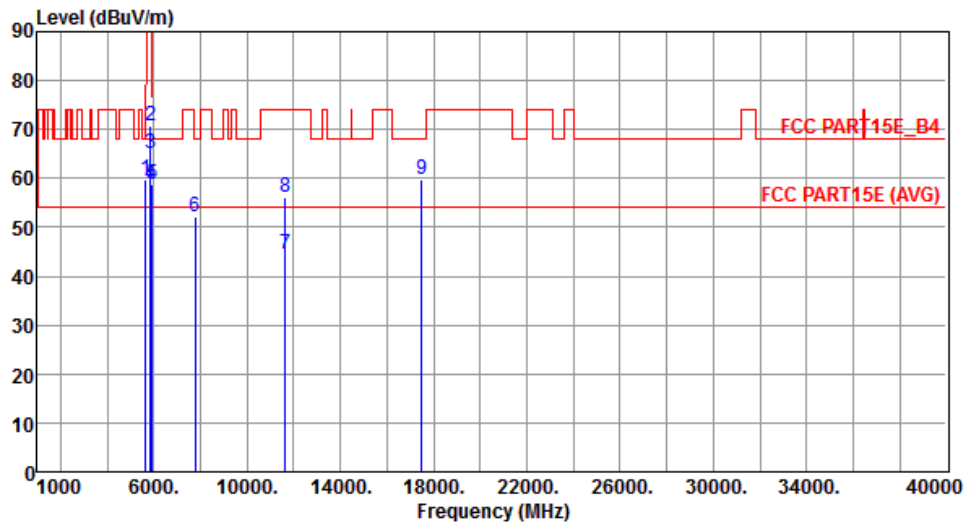
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 60.18                       | 68.20           | -8.02        | 53.38                 | 6.80         | Peak    | 217               | 20                   |
| 2 | 5925.00      | 59.01                       | 68.20           | -9.19        | 51.80                 | 7.21         | Peak    | 217               | 20                   |
| 3 | 7713.33      | 48.30                       | 54.00           | -5.70        | 36.89                 | 11.41        | Average | 102               | 94                   |
| 4 | 7713.33      | 55.25                       | 74.00           | -18.75       | 43.84                 | 11.41        | Peak    | 102               | 94                   |
| 5 | 11570.00     | 50.00                       | 54.00           | -4.00        | 33.51                 | 16.49        | Average | 297               | 34                   |
| 6 | 11570.00     | 58.81                       | 74.00           | -15.19       | 42.32                 | 16.49        | Peak    | 297               | 34                   |
| 7 | 17355.00     | 60.68                       | 68.20           | -7.52        | 41.74                 | 18.94        | Peak    | 269               | 75                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | 11a        | Test Freq. (MHz)   | 5825 |
| Polarization | Horizontal | Test Configuration | 1    |



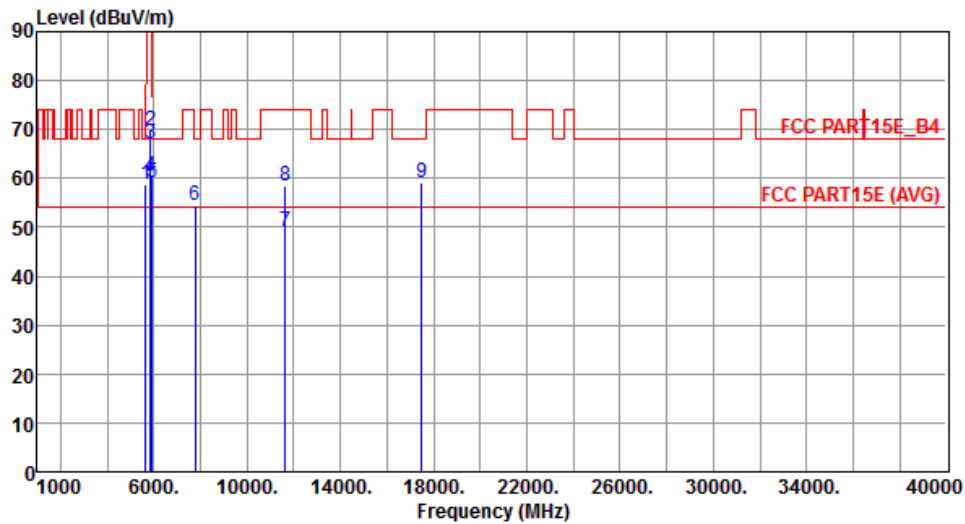
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 59.92                       | 68.20           | -8.28        | 53.12                 | 6.80         | Peak    | 139               | 296                  |
| 2 | 5850.00      | 70.69                       | 122.20          | -51.51       | 63.59                 | 7.10         | Peak    | 139               | 296                  |
| 3 | 5855.00      | 64.95                       | 110.80          | -45.85       | 57.83                 | 7.12         | Peak    | 139               | 296                  |
| 4 | 5875.00      | 58.66                       | 105.20          | -46.54       | 51.52                 | 7.14         | Peak    | 139               | 296                  |
| 5 | 5925.00      | 58.89                       | 68.20           | -9.31        | 51.68                 | 7.21         | Peak    | 139               | 296                  |
| 6 | 7766.66      | 51.99                       | 68.20           | -16.21       | 40.58                 | 11.41        | Peak    | 100               | 337                  |
| 7 | 11650.00     | 44.60                       | 54.00           | -9.40        | 28.23                 | 16.37        | Average | 100               | 200                  |
| 8 | 11650.00     | 56.23                       | 74.00           | -17.77       | 39.86                 | 16.37        | Peak    | 100               | 200                  |
| 9 | 17475.00     | 59.87                       | 68.20           | -8.33        | 40.55                 | 19.32        | Peak    | 100               | 55                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | 11a      | Test Freq. (MHz)   | 5825 |
| Polarization | Vertical | Test Configuration | 1    |



|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 58.85                       | 68.20           | -9.35        | 52.05                 | 6.80         | Peak    | 255               | 26                   |
| 2 | 5850.00      | 69.66                       | 122.20          | -52.54       | 62.56                 | 7.10         | Peak    | 255               | 26                   |
| 3 | 5855.00      | 67.03                       | 110.80          | -43.77       | 59.91                 | 7.12         | Peak    | 255               | 26                   |
| 4 | 5875.00      | 60.61                       | 105.20          | -44.59       | 53.47                 | 7.14         | Peak    | 255               | 26                   |
| 5 | 5925.00      | 59.07                       | 68.20           | -9.13        | 51.86                 | 7.21         | Peak    | 255               | 26                   |
| 6 | 7766.66      | 54.55                       | 68.20           | -13.65       | 43.14                 | 11.41        | Peak    | 100               | 99                   |
| 7 | 11650.00     | 49.25                       | 54.00           | -4.75        | 32.88                 | 16.37        | Average | 215               | 84                   |
| 8 | 11650.00     | 58.52                       | 74.00           | -15.48       | 42.15                 | 16.37        | Peak    | 215               | 84                   |
| 9 | 17475.00     | 59.26                       | 68.20           | -8.94        | 39.94                 | 19.32        | Peak    | 100               | 46                   |

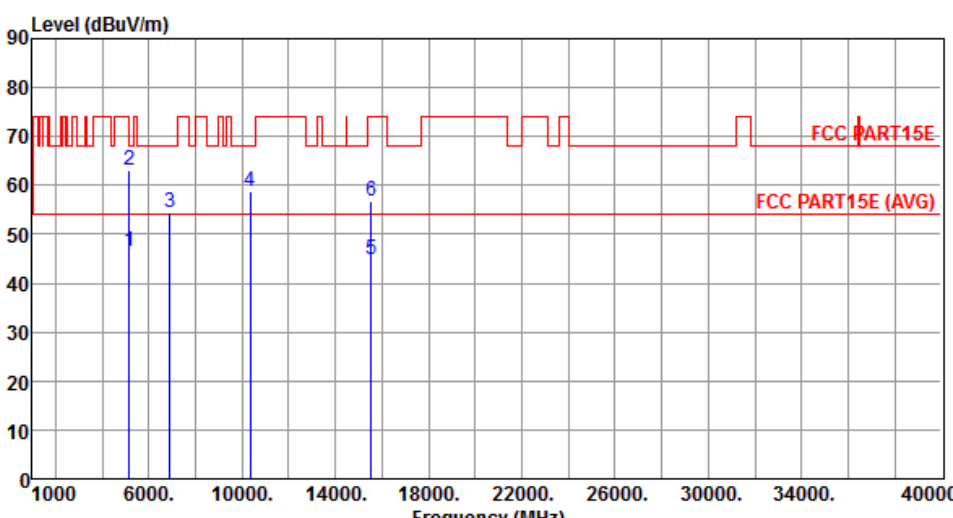
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

### 3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

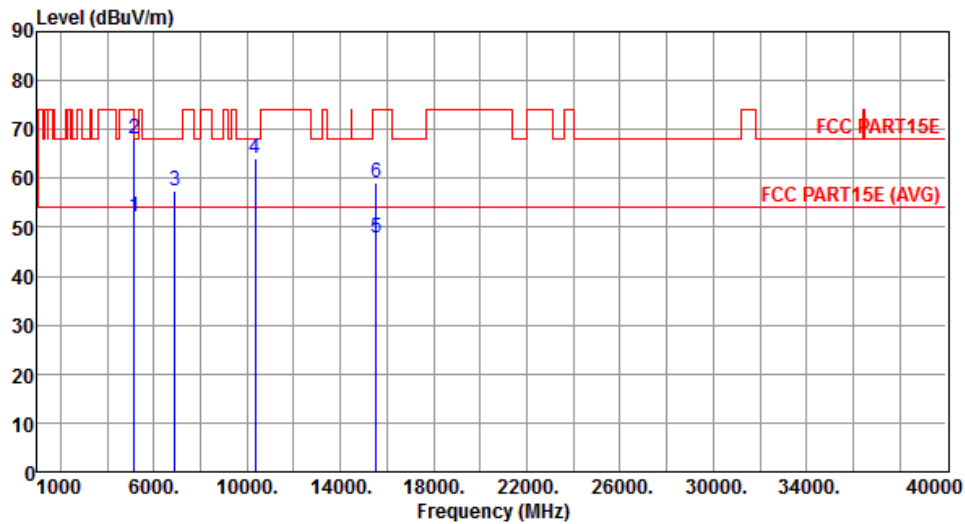
|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5180 |
| Polarization | Horizontal | Test Configuration | 1    |

|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 46.62                       | 54.00           | -7.38        | 40.62                 | 6.00         | Average | 131               | 310                  |
| 2 | 5150.00      | 63.05                       | 74.00           | -10.95       | 57.05                 | 6.00         | Peak    | 131               | 310                  |
| 3 | 6907.00      | 54.48                       | 68.20           | -13.72       | 44.49                 | 9.99         | Peak    | 100               | 261                  |
| 4 | 10360.00     | 58.66                       | 68.20           | -9.54        | 42.91                 | 15.75        | Peak    | 380               | 264                  |
| 5 | 15540.00     | 44.78                       | 54.00           | -9.22        | 28.05                 | 16.73        | Average | 100               | 36                   |
| 6 | 15540.00     | 56.77                       | 74.00           | -17.23       | 40.04                 | 16.73        | Peak    | 100               | 36                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)  
\*Factor includes antenna factor , cable loss and amplifier gain  
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5180 |
| Polarization | Vertical | Test Configuration | 1    |



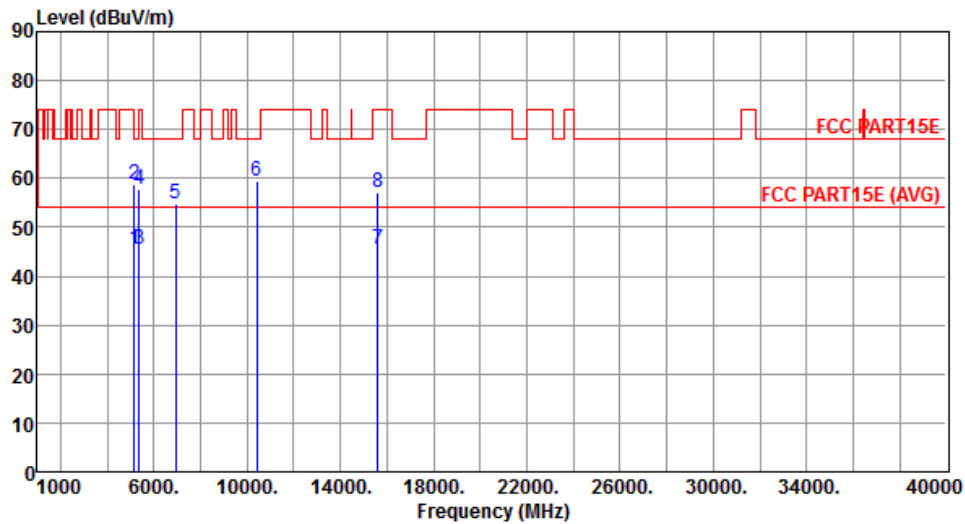
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 52.12                       | 54.00           | -1.88        | 46.12                 | 6.00         | Average | 250               | 14                   |
| 2 | 5150.00      | 68.12                       | 74.00           | -5.88        | 62.12                 | 6.00         | Peak    | 250               | 14                   |
| 3 | 6907.00      | 57.33                       | 68.20           | -10.87       | 47.34                 | 9.99         | Peak    | 364               | 206                  |
| 4 | 10360.00     | 64.11                       | 68.20           | -4.09        | 48.36                 | 15.75        | Peak    | 253               | 74                   |
| 5 | 15540.00     | 47.88                       | 54.00           | -6.12        | 31.15                 | 16.73        | Average | 263               | 55                   |
| 6 | 15540.00     | 59.25                       | 74.00           | -14.75       | 42.52                 | 16.73        | Peak    | 263               | 55                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5200 |
| Polarization | Horizontal | Test Configuration | 1    |



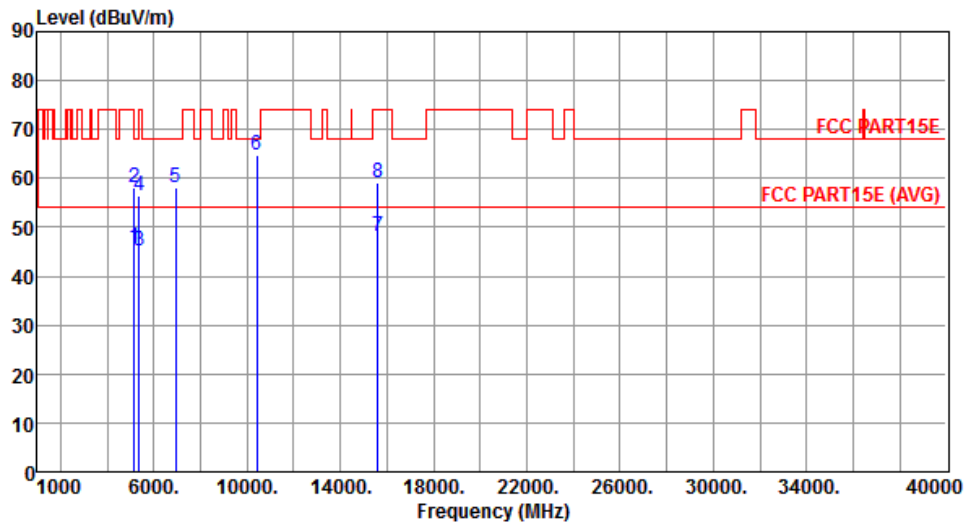
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.62                       | 54.00           | -8.38        | 39.62                 | 6.00         | Average | 122               | 311                  |
| 2 | 5150.00      | 58.88                       | 74.00           | -15.12       | 52.88                 | 6.00         | Peak    | 122               | 311                  |
| 3 | 5350.00      | 45.37                       | 54.00           | -8.63        | 39.01                 | 6.36         | Average | 122               | 311                  |
| 4 | 5350.00      | 57.88                       | 74.00           | -16.12       | 51.52                 | 6.36         | Peak    | 122               | 311                  |
| 5 | 6933.00      | 54.75                       | 68.20           | -13.45       | 44.67                 | 10.08        | Peak    | 100               | 60                   |
| 6 | 10400.00     | 59.37                       | 68.20           | -8.83        | 43.59                 | 15.78        | Peak    | 369               | 246                  |
| 7 | 15600.00     | 45.60                       | 54.00           | -8.40        | 28.95                 | 16.65        | Average | 100               | 45                   |
| 8 | 15600.00     | 57.14                       | 74.00           | -16.86       | 40.49                 | 16.65        | Peak    | 100               | 45                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5200 |
| Polarization | Vertical | Test Configuration | 1    |



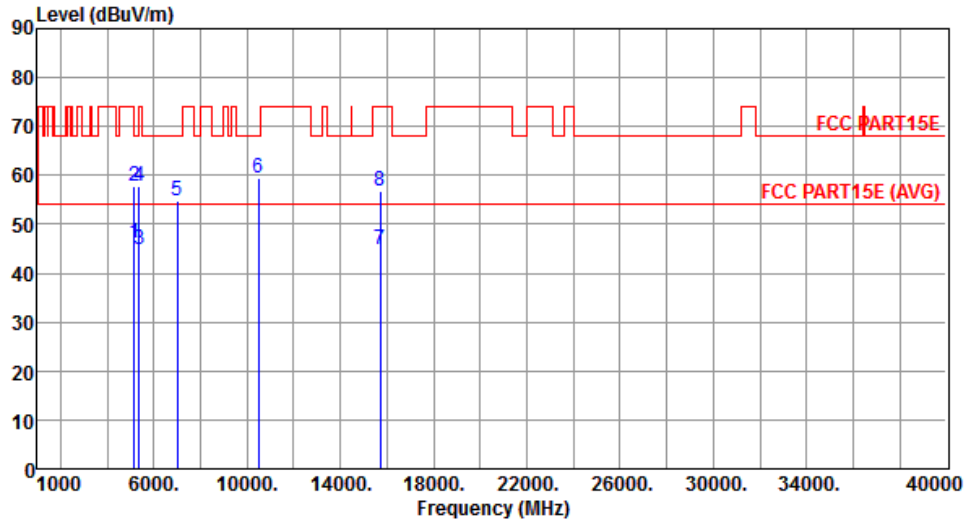
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.95                       | 54.00           | -8.05        | 39.95                 | 6.00         | Average | 225               | 11                   |
| 2 | 5150.00      | 58.05                       | 74.00           | -15.95       | 52.05                 | 6.00         | Peak    | 225               | 11                   |
| 3 | 5350.00      | 45.12                       | 54.00           | -8.88        | 38.76                 | 6.36         | Average | 225               | 11                   |
| 4 | 5350.00      | 56.52                       | 74.00           | -17.48       | 50.16                 | 6.36         | Peak    | 225               | 11                   |
| 5 | 6933.00      | 58.01                       | 68.20           | -10.19       | 47.93                 | 10.08        | Peak    | 371               | 156                  |
| 6 | 10400.00     | 64.63                       | 68.20           | -3.57        | 48.85                 | 15.78        | Peak    | 227               | 61                   |
| 7 | 15600.00     | 48.06                       | 54.00           | -5.94        | 31.41                 | 16.65        | Average | 250               | 45                   |
| 8 | 15600.00     | 59.03                       | 74.00           | -14.97       | 42.38                 | 16.65        | Peak    | 250               | 45                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5240 |
| Polarization | Horizontal | Test Configuration | 1    |



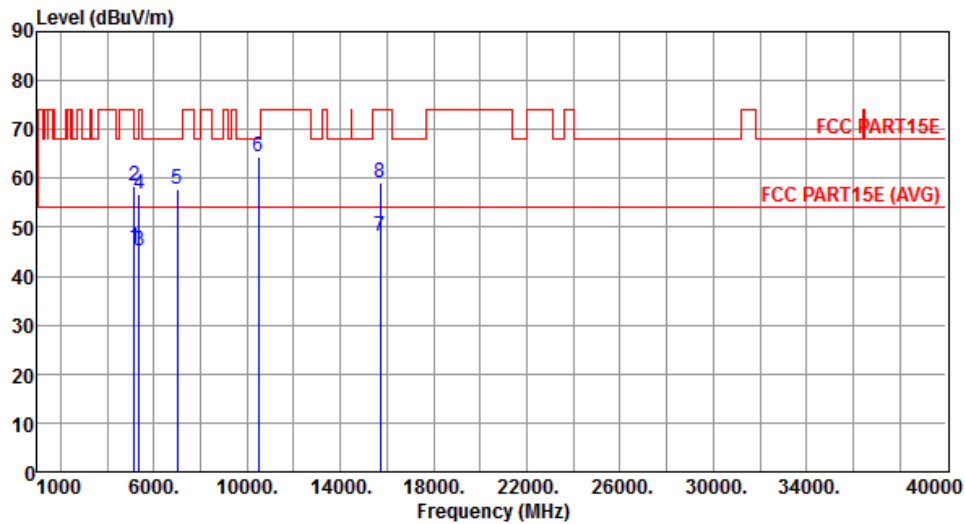
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 46.16                       | 54.00           | -7.84        | 40.16                 | 6.00         | Average | 120               | 313                  |
| 2 | 5150.00      | 57.92                       | 74.00           | -16.08       | 51.92                 | 6.00         | Peak    | 120               | 313                  |
| 3 | 5350.00      | 44.85                       | 54.00           | -9.15        | 38.49                 | 6.36         | Average | 120               | 313                  |
| 4 | 5350.00      | 57.82                       | 74.00           | -16.18       | 51.46                 | 6.36         | Peak    | 120               | 313                  |
| 5 | 6986.66      | 54.75                       | 68.20           | -13.45       | 44.48                 | 10.27        | Peak    | 105               | 59                   |
| 6 | 10480.00     | 59.31                       | 68.20           | -8.89        | 43.48                 | 15.83        | Peak    | 371               | 250                  |
| 7 | 15720.00     | 44.89                       | 54.00           | -9.11        | 28.38                 | 16.51        | Average | 100               | 51                   |
| 8 | 15720.00     | 56.85                       | 74.00           | -17.15       | 40.34                 | 16.51        | Peak    | 100               | 51                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5240 |
| Polarization | Vertical | Test Configuration | 1    |



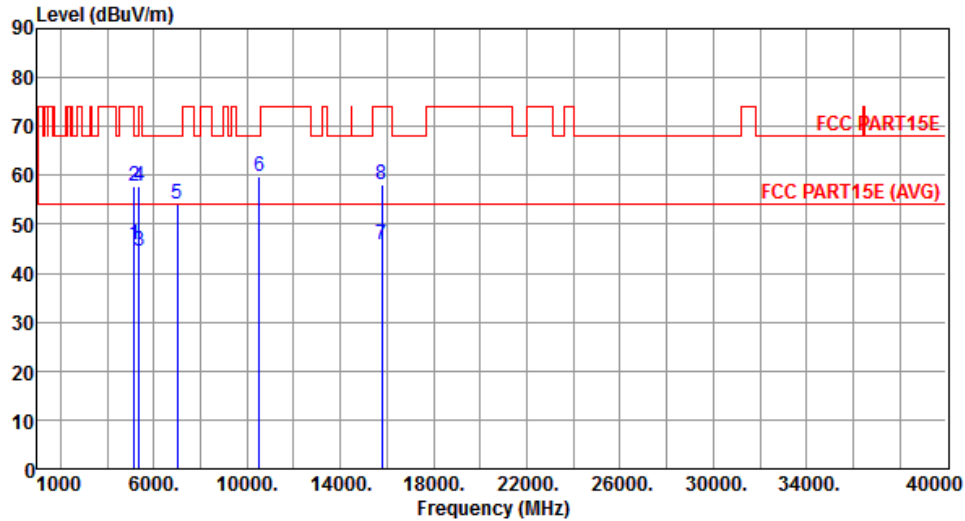
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.91                       | 54.00           | -8.09        | 39.91                 | 6.00         | Average | 172               | 21                   |
| 2 | 5150.00      | 58.41                       | 74.00           | -15.59       | 52.41                 | 6.00         | Peak    | 172               | 21                   |
| 3 | 5350.00      | 45.21                       | 54.00           | -8.79        | 38.85                 | 6.36         | Average | 172               | 21                   |
| 4 | 5350.00      | 56.72                       | 74.00           | -17.28       | 50.36                 | 6.36         | Peak    | 172               | 21                   |
| 5 | 6986.66      | 57.68                       | 68.20           | -10.52       | 47.41                 | 10.27        | Peak    | 351               | 172                  |
| 6 | 10480.00     | 64.56                       | 68.20           | -3.64        | 48.73                 | 15.83        | Peak    | 201               | 62                   |
| 7 | 15720.00     | 48.14                       | 54.00           | -5.86        | 31.63                 | 16.51        | Average | 225               | 64                   |
| 8 | 15720.00     | 59.10                       | 74.00           | -14.90       | 42.59                 | 16.51        | Peak    | 225               | 64                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5260 |
| Polarization | Horizontal | Test Configuration | 1    |



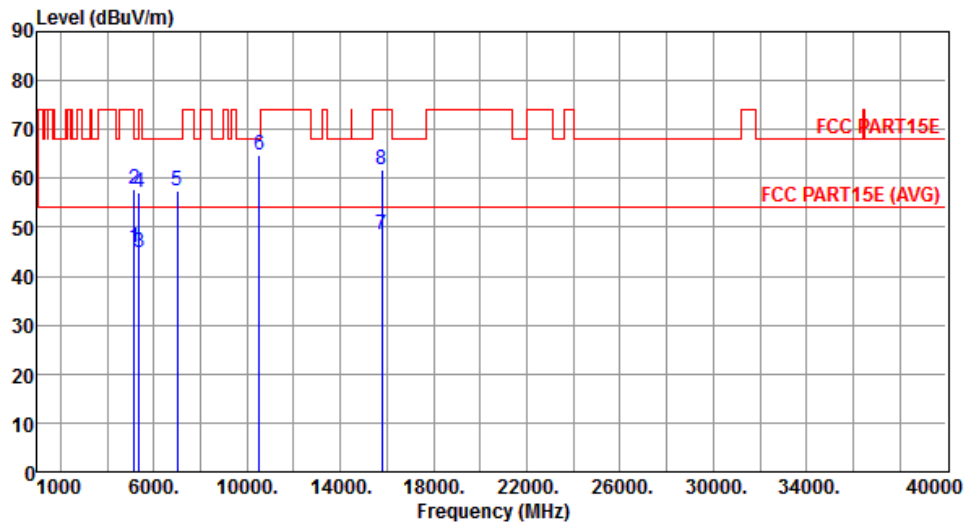
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.67                       | 54.00           | -8.33        | 39.67                 | 6.00         | Average | 216               | 303                  |
| 2 | 5150.00      | 57.80                       | 74.00           | -16.20       | 51.80                 | 6.00         | Peak    | 216               | 303                  |
| 3 | 5350.00      | 44.36                       | 54.00           | -9.64        | 38.00                 | 6.36         | Average | 216               | 303                  |
| 4 | 5350.00      | 57.68                       | 74.00           | -16.32       | 51.32                 | 6.36         | Peak    | 216               | 303                  |
| 5 | 7013.00      | 53.97                       | 68.20           | -14.23       | 43.65                 | 10.32        | Peak    | 100               | 84                   |
| 6 | 10520.00     | 59.64                       | 68.20           | -8.56        | 43.76                 | 15.88        | Peak    | 368               | 218                  |
| 7 | 15780.00     | 45.92                       | 54.00           | -8.08        | 29.49                 | 16.43        | Average | 100               | 35                   |
| 8 | 15780.00     | 58.16                       | 74.00           | -15.84       | 41.73                 | 16.43        | Peak    | 100               | 35                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5260 |
| Polarization | Vertical | Test Configuration | 1    |



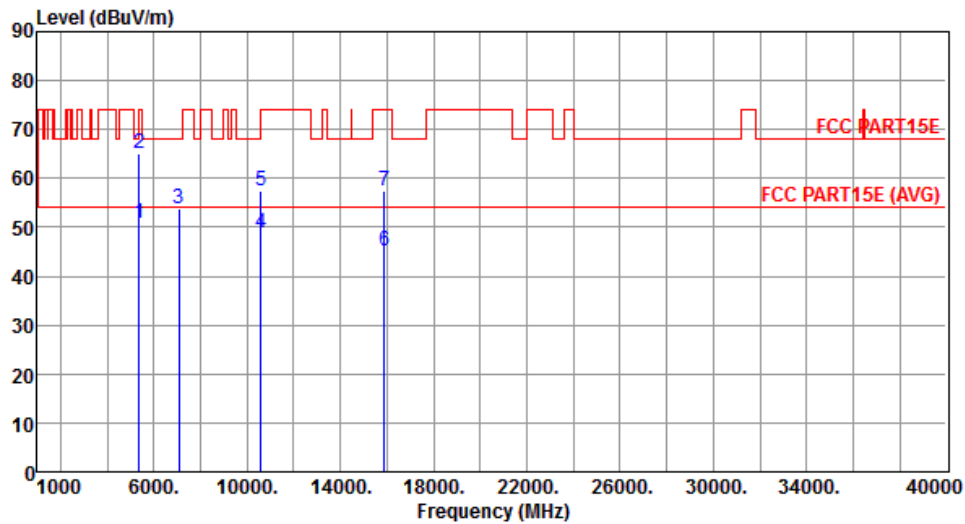
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.75                       | 54.00           | -8.25        | 39.75                 | 6.00         | Average | 220               | 8                    |
| 2 | 5150.00      | 57.81                       | 74.00           | -16.19       | 51.81                 | 6.00         | Peak    | 220               | 8                    |
| 3 | 5350.00      | 44.83                       | 54.00           | -9.17        | 38.47                 | 6.36         | Average | 220               | 8                    |
| 4 | 5350.00      | 57.14                       | 74.00           | -16.86       | 50.78                 | 6.36         | Peak    | 220               | 8                    |
| 5 | 7013.00      | 57.61                       | 68.20           | -10.59       | 47.29                 | 10.32        | Peak    | 361               | 185                  |
| 6 | 10520.00     | 64.79                       | 68.20           | -3.41        | 48.91                 | 15.88        | Peak    | 286               | 108                  |
| 7 | 15780.00     | 48.57                       | 54.00           | -5.43        | 32.14                 | 16.43        | Average | 251               | 49                   |
| 8 | 15780.00     | 61.69                       | 74.00           | -12.31       | 45.26                 | 16.43        | Peak    | 251               | 49                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5300 |
| Polarization | Horizontal | Test Configuration | 1    |



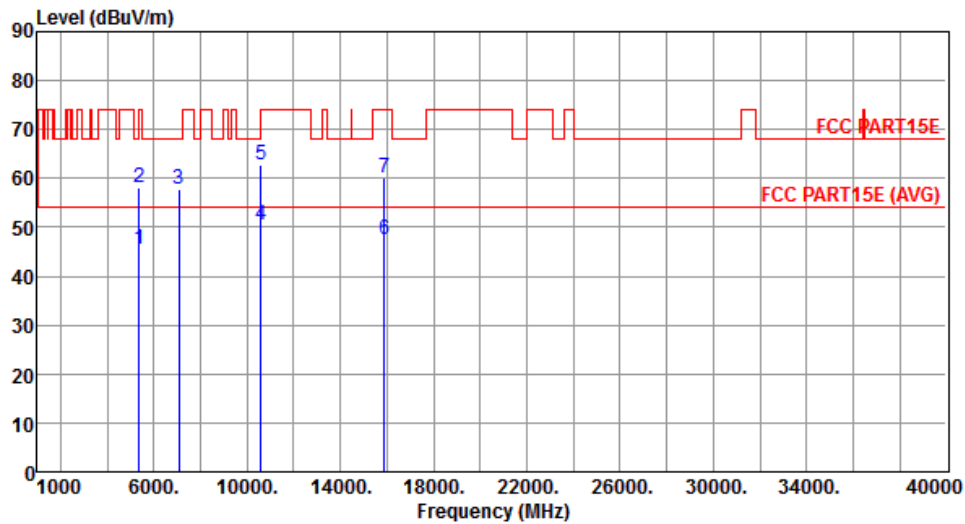
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 50.95                       | 54.00           | -3.05        | 44.59                 | 6.36         | Average | 130               | 311                  |
| 2 | 5350.00      | 65.00                       | 74.00           | -9.00        | 58.64                 | 6.36         | Peak    | 130               | 311                  |
| 3 | 7066.66      | 53.92                       | 68.20           | -14.28       | 43.59                 | 10.33        | Peak    | 116               | 78                   |
| 4 | 10600.00     | 48.98                       | 54.00           | -5.02        | 32.95                 | 16.03        | Average | 364               | 233                  |
| 5 | 10600.00     | 57.56                       | 74.00           | -16.44       | 41.53                 | 16.03        | Peak    | 364               | 233                  |
| 6 | 15900.00     | 45.03                       | 54.00           | -8.97        | 28.74                 | 16.29        | Average | 223               | 281                  |
| 7 | 15900.00     | 57.38                       | 74.00           | -16.62       | 41.09                 | 16.29        | Peak    | 223               | 281                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5300 |
| Polarization | Vertical | Test Configuration | 1    |



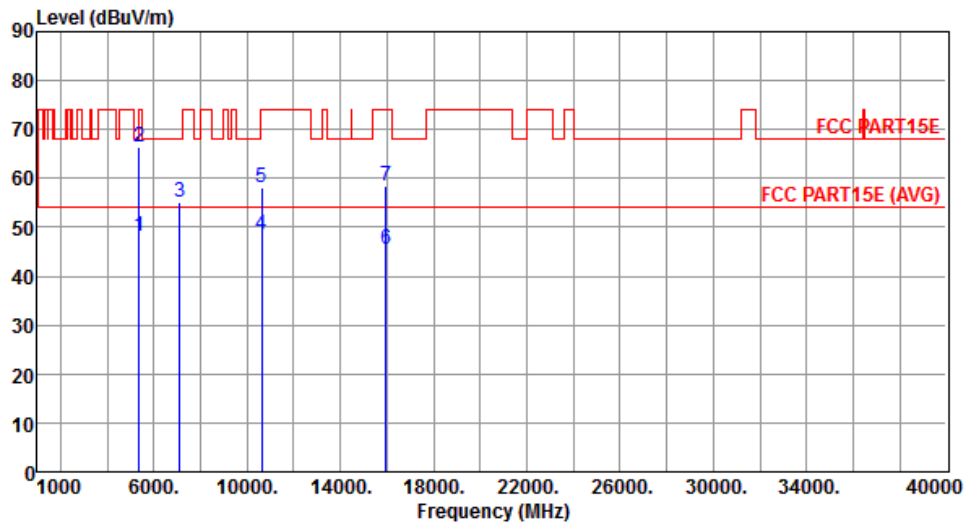
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 45.41                       | 54.00           | -8.59        | 39.05                 | 6.36         | Average | 225               | 34                   |
| 2 | 5350.00      | 58.15                       | 74.00           | -15.85       | 51.79                 | 6.36         | Peak    | 225               | 34                   |
| 3 | 7066.66      | 57.69                       | 68.20           | -10.51       | 47.36                 | 10.33        | Peak    | 361               | 184                  |
| 4 | 10600.00     | 50.34                       | 54.00           | -3.66        | 34.31                 | 16.03        | Average | 292               | 112                  |
| 5 | 10600.00     | 62.82                       | 74.00           | -11.18       | 46.79                 | 16.03        | Peak    | 292               | 112                  |
| 6 | 15900.00     | 47.45                       | 54.00           | -6.55        | 31.16                 | 16.29        | Average | 228               | 291                  |
| 7 | 15900.00     | 59.95                       | 74.00           | -14.05       | 43.66                 | 16.29        | Peak    | 228               | 291                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5320 |
| Polarization | Horizontal | Test Configuration | 1    |



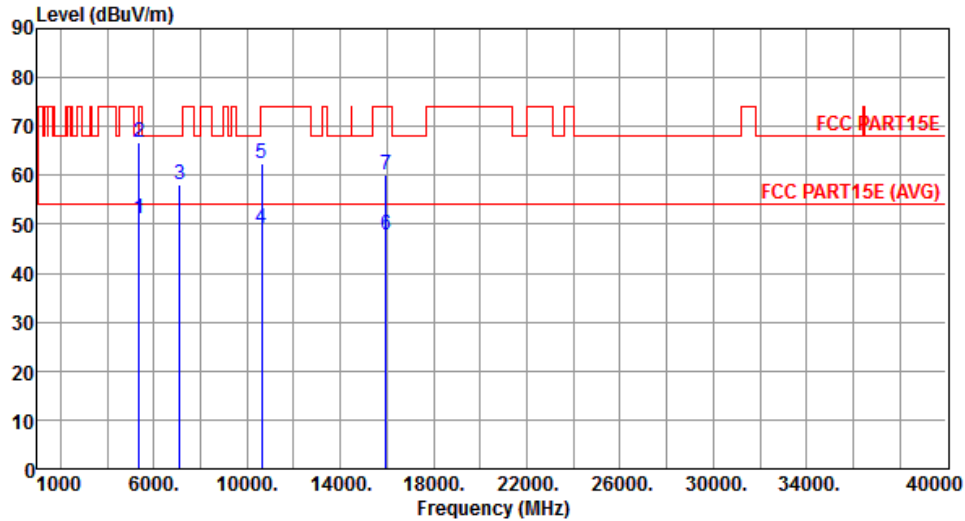
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 48.08                       | 54.00           | -5.92        | 41.72                 | 6.36         | Average | 225               | 287                  |
| 2 | 5350.00      | 66.41                       | 74.00           | -7.59        | 60.05                 | 6.36         | Peak    | 225               | 287                  |
| 3 | 7093.00      | 55.09                       | 68.20           | -13.11       | 44.75                 | 10.34        | Peak    | 100               | 318                  |
| 4 | 10640.00     | 48.37                       | 54.00           | -5.63        | 32.25                 | 16.12        | Average | 348               | 236                  |
| 5 | 10640.00     | 58.24                       | 74.00           | -15.76       | 42.12                 | 16.12        | Peak    | 348               | 236                  |
| 6 | 15960.00     | 45.53                       | 54.00           | -8.47        | 29.32                 | 16.21        | Average | 242               | 278                  |
| 7 | 15960.00     | 58.38                       | 74.00           | -15.62       | 42.17                 | 16.21        | Peak    | 242               | 278                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5320 |
| Polarization | Vertical | Test Configuration | 1    |



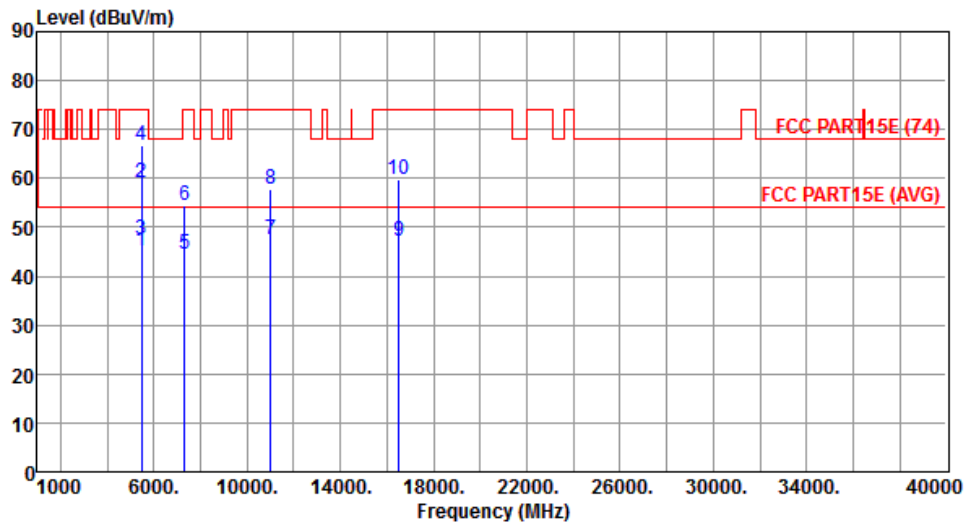
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 50.99                       | 54.00           | -3.01        | 44.63                 | 6.36         | Average | 232               | 269                  |
| 2 | 5350.00      | 66.85                       | 74.00           | -7.15        | 60.49                 | 6.36         | Peak    | 232               | 269                  |
| 3 | 7093.00      | 58.22                       | 68.20           | -9.98        | 47.88                 | 10.34        | Peak    | 282               | 173                  |
| 4 | 10640.00     | 49.23                       | 54.00           | -4.77        | 33.11                 | 16.12        | Average | 304               | 110                  |
| 5 | 10640.00     | 62.41                       | 74.00           | -11.59       | 46.29                 | 16.12        | Peak    | 304               | 110                  |
| 6 | 15960.00     | 47.96                       | 54.00           | -6.04        | 31.75                 | 16.21        | Average | 227               | 283                  |
| 7 | 15960.00     | 60.07                       | 74.00           | -13.93       | 43.86                 | 16.21        | Peak    | 227               | 283                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5500 |
| Polarization | Horizontal | Test Configuration | 1    |



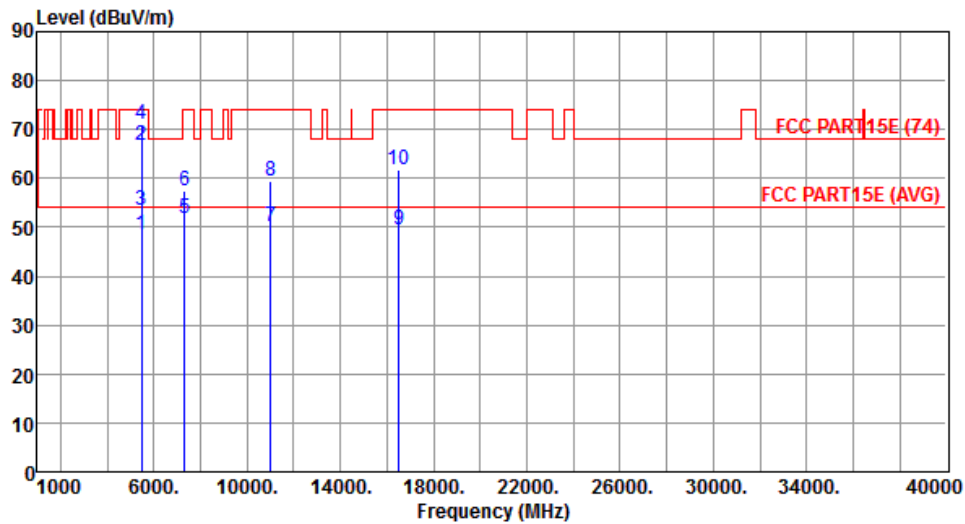
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 45.30                       | 54.00           | -8.70        | 38.75                 | 6.55         | Average | 210               | 311                  |
| 2  | 5460.00      | 59.12                       | 74.00           | -14.88       | 52.57                 | 6.55         | Peak    | 210               | 311                  |
| 3  | 5470.00      | 47.41                       | 54.00           | -6.59        | 40.85                 | 6.56         | Average | 210               | 311                  |
| 4  | 5470.00      | 66.69                       | 74.00           | -7.31        | 60.13                 | 6.56         | Peak    | 210               | 311                  |
| 5  | 7333.33      | 44.41                       | 54.00           | -9.59        | 33.47                 | 10.94        | Average | 100               | 158                  |
| 6  | 7333.33      | 54.39                       | 74.00           | -19.61       | 43.45                 | 10.94        | Peak    | 100               | 158                  |
| 7  | 11000.00     | 47.44                       | 54.00           | -6.56        | 30.66                 | 16.78        | Average | 100               | 245                  |
| 8  | 11000.00     | 57.73                       | 74.00           | -16.27       | 40.95                 | 16.78        | Peak    | 100               | 245                  |
| 9  | 16500.00     | 47.16                       | 54.00           | -6.84        | 30.02                 | 17.14        | Average | 100               | 88                   |
| 10 | 16500.00     | 59.66                       | 74.00           | -14.34       | 42.52                 | 17.14        | Peak    | 100               | 88                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5500 |
| Polarization | Vertical | Test Configuration | 1    |



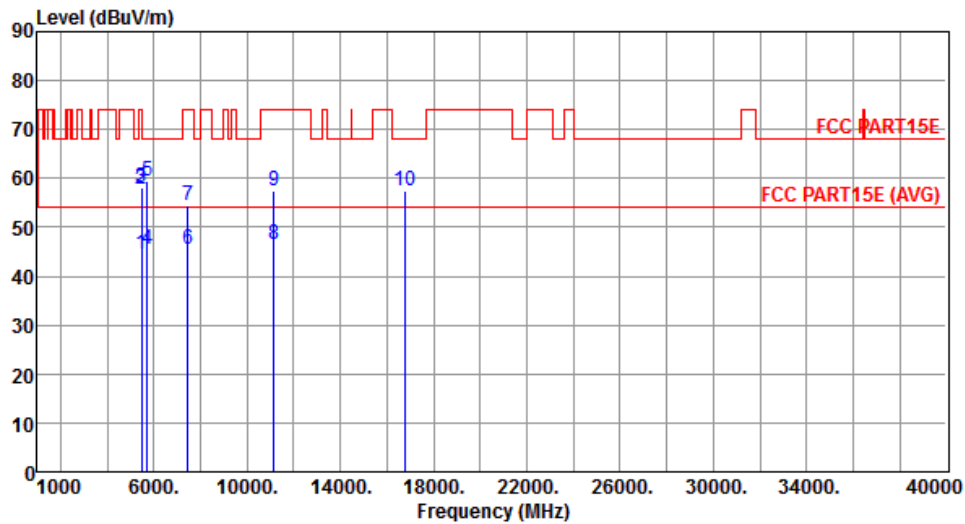
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 48.53                       | 54.00           | -5.47        | 41.98                 | 6.55         | Average | 202               | 2                    |
| 2  | 5460.00      | 66.65                       | 74.00           | -7.35        | 60.10                 | 6.55         | Peak    | 202               | 2                    |
| 3  | 5470.00      | 53.56                       | 54.00           | -0.44        | 47.00                 | 6.56         | Average | 202               | 2                    |
| 4  | 5470.00      | 71.06                       | 74.00           | -2.94        | 64.50                 | 6.56         | Peak    | 202               | 2                    |
| 5  | 7333.33      | 51.79                       | 54.00           | -2.21        | 40.85                 | 10.94        | Average | 338               | 186                  |
| 6  | 7333.33      | 57.49                       | 74.00           | -16.51       | 46.55                 | 10.94        | Peak    | 338               | 186                  |
| 7  | 11000.00     | 50.03                       | 54.00           | -3.97        | 33.25                 | 16.78        | Average | 233               | 251                  |
| 8  | 11000.00     | 59.32                       | 74.00           | -14.68       | 42.54                 | 16.78        | Peak    | 233               | 251                  |
| 9  | 16500.00     | 49.54                       | 54.00           | -4.46        | 32.40                 | 17.14        | Average | 266               | 78                   |
| 10 | 16500.00     | 61.73                       | 74.00           | -12.27       | 44.59                 | 17.14        | Peak    | 266               | 78                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5580 |
| Polarization | Horizontal | Test Configuration | 1    |



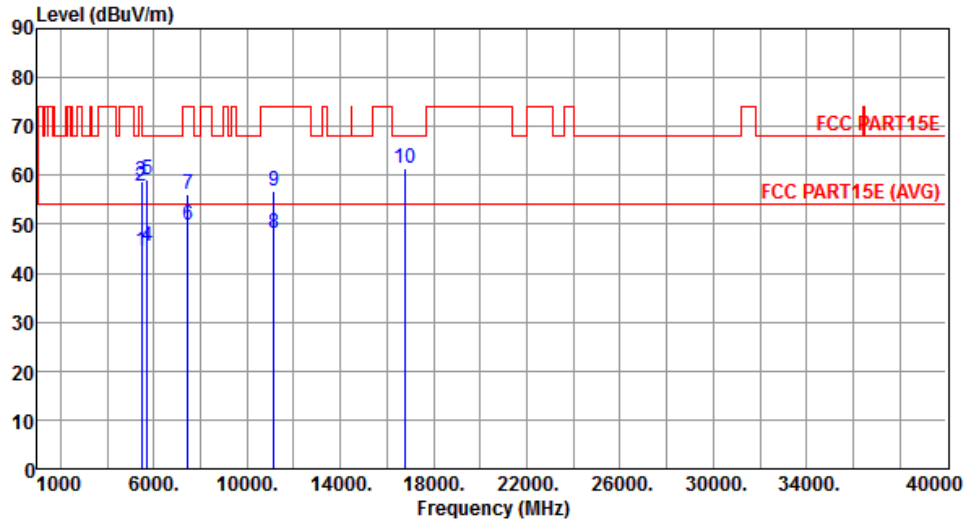
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 44.50                       | 54.00           | -9.50        | 37.95                 | 6.55         | Average | 196               | 314                  |
| 2  | 5460.00      | 57.79                       | 74.00           | -16.21       | 51.24                 | 6.55         | Peak    | 196               | 314                  |
| 3  | 5470.00      | 58.18                       | 68.20           | -10.02       | 51.62                 | 6.56         | Peak    | 196               | 314                  |
| 4  | 5725.00      | 45.46                       | 54.00           | -8.54        | 38.55                 | 6.91         | Average | 196               | 314                  |
| 5  | 5725.00      | 59.52                       | 68.20           | -8.68        | 52.61                 | 6.91         | Peak    | 196               | 314                  |
| 6  | 7440.00      | 45.41                       | 54.00           | -8.59        | 34.14                 | 11.27        | Average | 100               | 312                  |
| 7  | 7440.00      | 54.36                       | 74.00           | -19.64       | 43.09                 | 11.27        | Peak    | 100               | 312                  |
| 8  | 11160.00     | 46.42                       | 54.00           | -7.58        | 29.71                 | 16.71        | Average | 322               | 255                  |
| 9  | 11160.00     | 57.33                       | 74.00           | -16.67       | 40.62                 | 16.71        | Peak    | 322               | 255                  |
| 10 | 16740.00     | 57.43                       | 68.20           | -10.77       | 39.95                 | 17.48        | Peak    | 100               | 26                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5580 |
| Polarization | Vertical | Test Configuration | 1    |



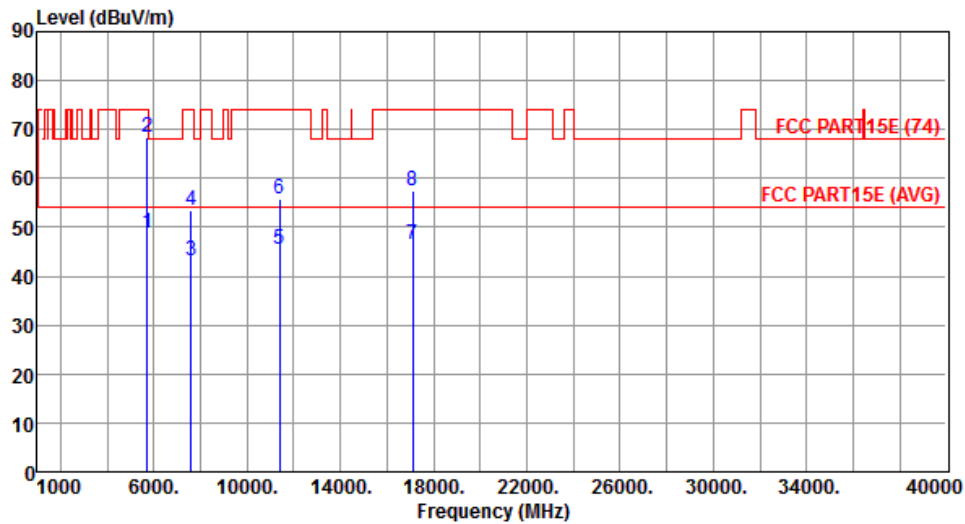
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5460.00      | 44.38                       | 54.00           | -9.62        | 37.83                 | 6.55         | Average | 182               | 32                   |
| 2  | 5460.00      | 57.62                       | 74.00           | -16.38       | 51.07                 | 6.55         | Peak    | 182               | 32                   |
| 3  | 5470.00      | 58.75                       | 68.20           | -9.45        | 52.19                 | 6.56         | Peak    | 182               | 32                   |
| 4  | 5725.00      | 45.46                       | 54.00           | -8.54        | 38.55                 | 6.91         | Average | 182               | 32                   |
| 5  | 5725.00      | 59.21                       | 68.20           | -8.99        | 52.30                 | 6.91         | Peak    | 182               | 32                   |
| 6  | 7440.00      | 49.80                       | 54.00           | -4.20        | 38.53                 | 11.27        | Average | 285               | 174                  |
| 7  | 7440.00      | 56.03                       | 74.00           | -17.97       | 44.76                 | 11.27        | Peak    | 285               | 174                  |
| 8  | 11160.00     | 48.08                       | 54.00           | -5.92        | 31.37                 | 16.71        | Average | 228               | 215                  |
| 9  | 11160.00     | 56.75                       | 74.00           | -17.25       | 40.04                 | 16.71        | Peak    | 228               | 215                  |
| 10 | 16740.00     | 61.54                       | 68.20           | -6.66        | 44.06                 | 17.48        | Peak    | 148               | 95                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5700 |
| Polarization | Horizontal | Test Configuration | 1    |



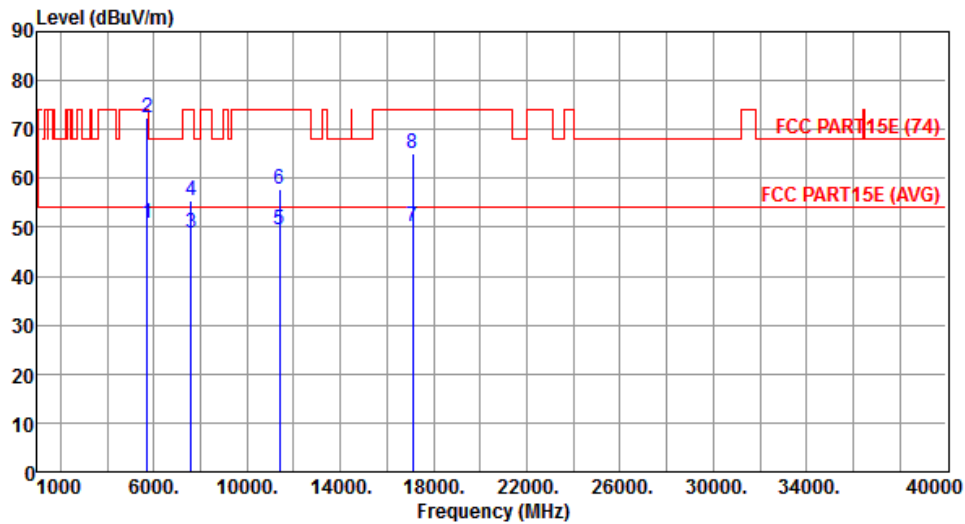
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 48.98                       | 54.00           | -5.02        | 42.07                 | 6.91         | Average | 238               | 305                  |
| 2 | 5725.00      | 68.49                       | 74.00           | -5.51        | 61.58                 | 6.91         | Peak    | 238               | 305                  |
| 3 | 7600.00      | 43.12                       | 54.00           | -10.88       | 31.74                 | 11.38        | Average | 100               | 244                  |
| 4 | 7600.00      | 53.52                       | 74.00           | -20.48       | 42.14                 | 11.38        | Peak    | 100               | 244                  |
| 5 | 11400.00     | 45.66                       | 54.00           | -8.34        | 29.03                 | 16.63        | Average | 319               | 233                  |
| 6 | 11400.00     | 55.96                       | 74.00           | -18.04       | 39.33                 | 16.63        | Peak    | 319               | 233                  |
| 7 | 17100.00     | 46.62                       | 54.00           | -7.38        | 28.47                 | 18.15        | Average | 100               | 42                   |
| 8 | 17100.00     | 57.29                       | 74.00           | -16.71       | 39.14                 | 18.15        | Peak    | 100               | 42                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5700 |
| Polarization | Vertical | Test Configuration | 1    |



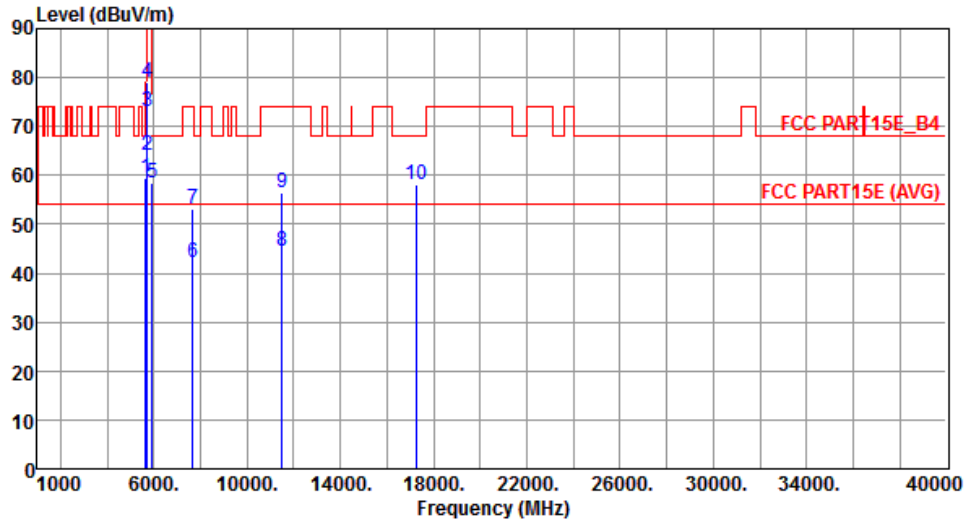
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 50.93                       | 54.00           | -3.07        | 44.02                 | 6.91         | Average | 239               | 25                   |
| 2 | 5725.00      | 72.46                       | 74.00           | -1.54        | 65.55                 | 6.91         | Peak    | 239               | 25                   |
| 3 | 7600.00      | 48.97                       | 54.00           | -5.03        | 37.59                 | 11.38        | Average | 112               | 115                  |
| 4 | 7600.00      | 55.30                       | 74.00           | -18.70       | 43.92                 | 11.38        | Peak    | 112               | 115                  |
| 5 | 11400.00     | 49.49                       | 54.00           | -4.51        | 32.86                 | 16.63        | Average | 271               | 253                  |
| 6 | 11400.00     | 57.86                       | 74.00           | -16.14       | 41.23                 | 16.63        | Peak    | 271               | 253                  |
| 7 | 17100.00     | 50.11                       | 54.00           | -3.89        | 31.96                 | 18.15        | Average | 246               | 82                   |
| 8 | 17100.00     | 65.03                       | 74.00           | -8.97        | 46.88                 | 18.15        | Peak    | 246               | 82                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5745 |
| Polarization | Horizontal | Test Configuration | 1    |



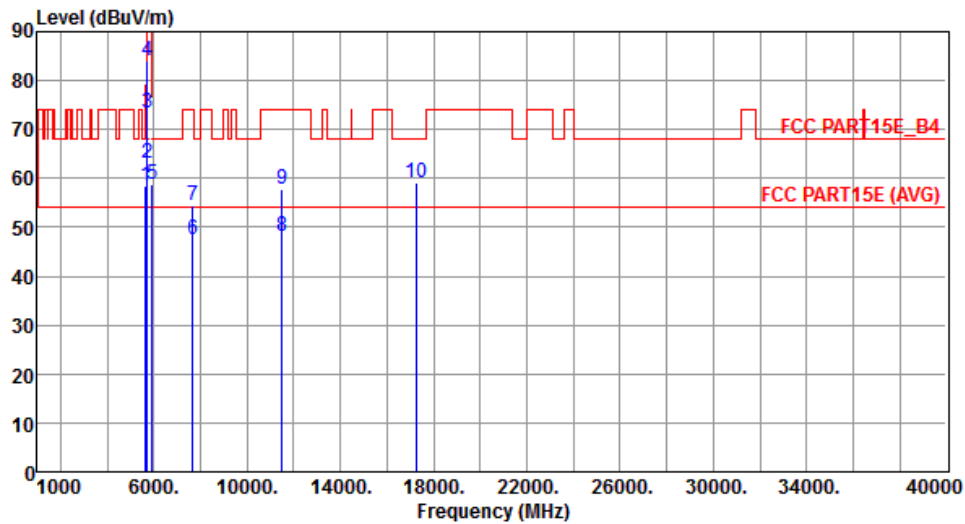
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 59.47                       | 68.20           | -8.73        | 52.67                 | 6.80         | Peak    | 172               | 299                  |
| 2  | 5700.00      | 64.00                       | 105.20          | -41.20       | 57.12                 | 6.88         | Peak    | 172               | 299                  |
| 3  | 5720.00      | 72.93                       | 110.80          | -37.87       | 66.02                 | 6.91         | Peak    | 172               | 299                  |
| 4  | 5725.00      | 79.11                       | 122.20          | -43.09       | 72.20                 | 6.91         | Peak    | 172               | 299                  |
| 5  | 5925.00      | 58.43                       | 68.20           | -9.77        | 51.22                 | 7.21         | Peak    | 172               | 299                  |
| 6  | 7660.00      | 42.04                       | 54.00           | -11.96       | 30.65                 | 11.39        | Average | 100               | 330                  |
| 7  | 7660.00      | 53.23                       | 74.00           | -20.77       | 41.84                 | 11.39        | Peak    | 100               | 330                  |
| 8  | 11490.00     | 44.42                       | 54.00           | -9.58        | 27.83                 | 16.59        | Average | 100               | 25                   |
| 9  | 11490.00     | 56.44                       | 74.00           | -17.56       | 39.85                 | 16.59        | Peak    | 100               | 25                   |
| 10 | 17235.00     | 58.24                       | 68.20           | -9.96        | 39.67                 | 18.57        | Peak    | 100               | 90                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5745 |
| Polarization | Vertical | Test Configuration | 1    |



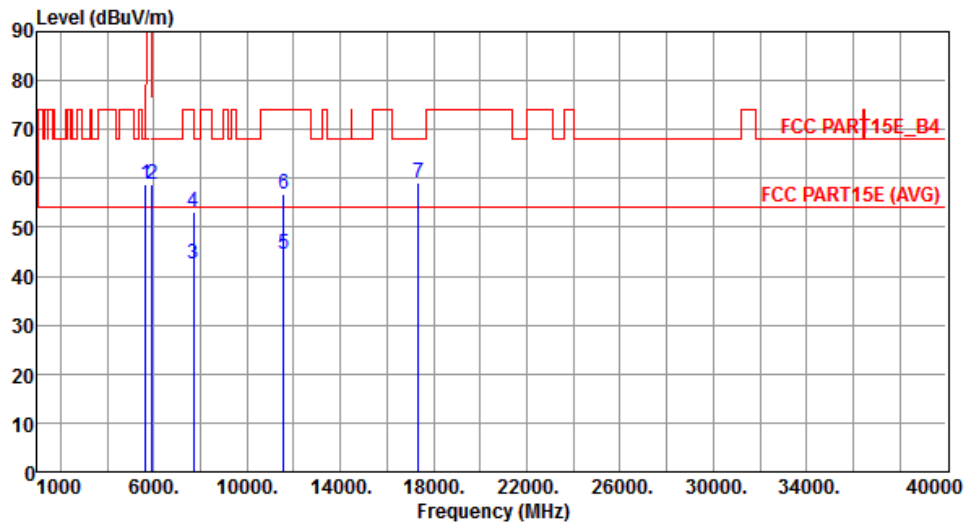
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 58.57                       | 68.20           | -9.63        | 51.77                 | 6.80         | Peak    | 202               | 9                    |
| 2  | 5700.00      | 63.00                       | 105.20          | -42.20       | 56.12                 | 6.88         | Peak    | 202               | 9                    |
| 3  | 5720.00      | 73.32                       | 110.80          | -37.48       | 66.41                 | 6.91         | Peak    | 202               | 9                    |
| 4  | 5725.00      | 84.03                       | 122.20          | -38.17       | 77.12                 | 6.91         | Peak    | 202               | 9                    |
| 5  | 5925.00      | 58.62                       | 68.20           | -9.58        | 51.41                 | 7.21         | Peak    | 202               | 9                    |
| 6  | 7660.00      | 47.59                       | 54.00           | -6.41        | 36.20                 | 11.39        | Average | 110               | 64                   |
| 7  | 7660.00      | 54.60                       | 74.00           | -19.40       | 43.21                 | 11.39        | Peak    | 110               | 64                   |
| 8  | 11490.00     | 48.02                       | 54.00           | -5.98        | 31.43                 | 16.59        | Average | 225               | 239                  |
| 9  | 11490.00     | 57.63                       | 74.00           | -16.37       | 41.04                 | 16.59        | Peak    | 225               | 239                  |
| 10 | 17235.00     | 58.98                       | 68.20           | -9.22        | 40.41                 | 18.57        | Peak    | 235               | 57                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5785 |
| Polarization | Horizontal | Test Configuration | 1    |



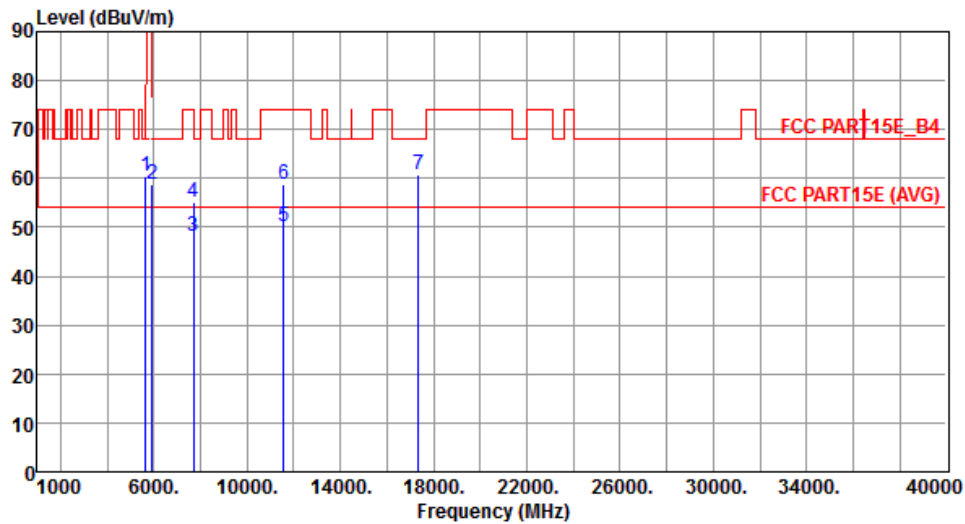
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 58.82                       | 68.20           | -9.38        | 52.02                 | 6.80         | Peak    | 162               | 315                  |
| 2 | 5925.00      | 58.95                       | 68.20           | -9.25        | 51.74                 | 7.21         | Peak    | 162               | 315                  |
| 3 | 7713.00      | 42.53                       | 54.00           | -11.47       | 31.12                 | 11.41        | Average | 100               | 325                  |
| 4 | 7713.00      | 53.09                       | 74.00           | -20.91       | 41.68                 | 11.41        | Peak    | 100               | 325                  |
| 5 | 11570.00     | 44.64                       | 54.00           | -9.36        | 28.15                 | 16.49        | Average | 100               | 55                   |
| 6 | 11570.00     | 56.70                       | 74.00           | -17.30       | 40.21                 | 16.49        | Peak    | 100               | 55                   |
| 7 | 17355.00     | 59.23                       | 68.20           | -8.97        | 40.29                 | 18.94        | Peak    | 100               | 90                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5785 |
| Polarization | Vertical | Test Configuration | 1    |



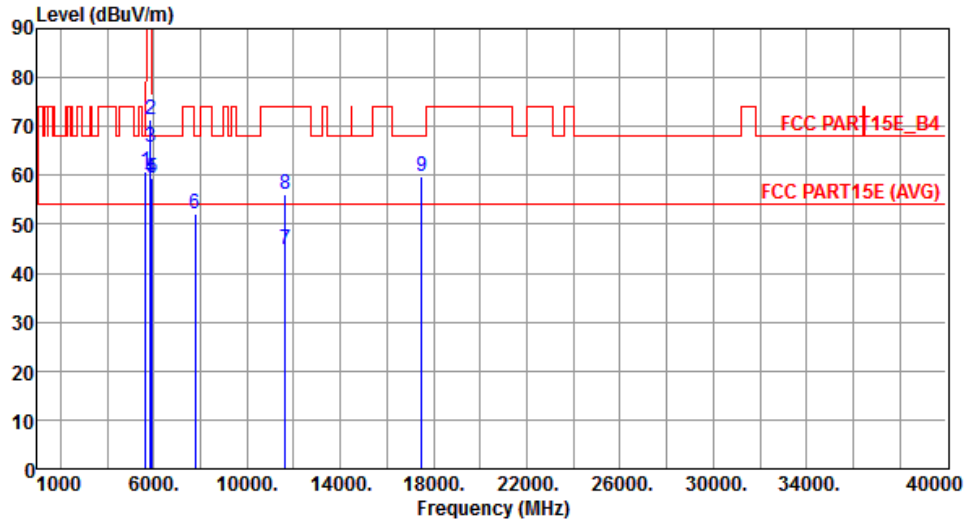
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 60.34                       | 68.20           | -7.86        | 53.54                 | 6.80         | Peak    | 215               | 18                   |
| 2 | 5925.00      | 58.87                       | 68.20           | -9.33        | 51.66                 | 7.21         | Peak    | 215               | 18                   |
| 3 | 7713.00      | 48.26                       | 54.00           | -5.74        | 36.85                 | 11.41        | Average | 105               | 90                   |
| 4 | 7713.00      | 55.20                       | 74.00           | -18.80       | 43.79                 | 11.41        | Peak    | 105               | 90                   |
| 5 | 11570.00     | 50.15                       | 54.00           | -3.85        | 33.66                 | 16.49        | Average | 300               | 32                   |
| 6 | 11570.00     | 58.94                       | 74.00           | -15.06       | 42.45                 | 16.49        | Peak    | 300               | 32                   |
| 7 | 17355.00     | 60.86                       | 68.20           | -7.34        | 41.92                 | 18.94        | Peak    | 265               | 73                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT20      | Test Freq. (MHz)   | 5825 |
| Polarization | Horizontal | Test Configuration | 1    |



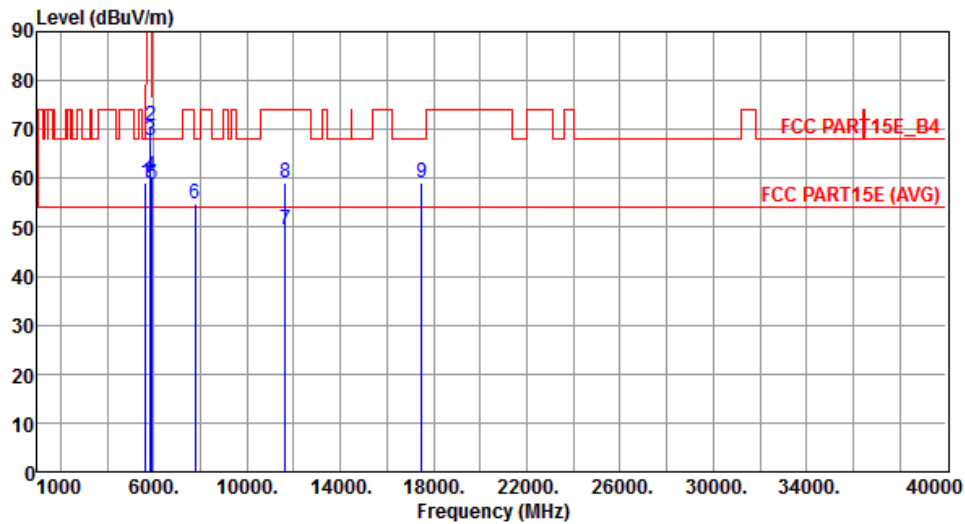
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 60.68                       | 68.20           | -7.52        | 53.88                 | 6.80         | Peak    | 135               | 294                  |
| 2 | 5850.00      | 71.48                       | 122.20          | -50.72       | 64.38                 | 7.10         | Peak    | 135               | 294                  |
| 3 | 5855.00      | 65.66                       | 110.80          | -45.14       | 58.54                 | 7.12         | Peak    | 135               | 294                  |
| 4 | 5875.00      | 59.37                       | 105.20          | -45.83       | 52.23                 | 7.14         | Peak    | 135               | 294                  |
| 5 | 5925.00      | 59.53                       | 68.20           | -8.67        | 52.32                 | 7.21         | Peak    | 135               | 294                  |
| 6 | 7766.66      | 52.27                       | 68.20           | -15.93       | 40.86                 | 11.41        | Peak    | 100               | 334                  |
| 7 | 11650.00     | 44.68                       | 54.00           | -9.32        | 28.31                 | 16.37        | Average | 100               | 150                  |
| 8 | 11650.00     | 56.26                       | 74.00           | -17.74       | 39.89                 | 16.37        | Peak    | 100               | 150                  |
| 9 | 17475.00     | 59.72                       | 68.20           | -8.48        | 40.40                 | 19.32        | Peak    | 100               | 70                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT20    | Test Freq. (MHz)   | 5825 |
| Polarization | Vertical | Test Configuration | 1    |



|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00      | 59.25                       | 68.20           | -8.95        | 52.45                 | 6.80         | Peak    | 253               | 30                   |
| 2 | 5850.00      | 70.57                       | 122.20          | -51.63       | 63.47                 | 7.10         | Peak    | 253               | 30                   |
| 3 | 5855.00      | 67.61                       | 110.80          | -43.19       | 60.49                 | 7.12         | Peak    | 253               | 30                   |
| 4 | 5875.00      | 60.35                       | 105.20          | -44.85       | 53.21                 | 7.14         | Peak    | 253               | 30                   |
| 5 | 5925.00      | 58.87                       | 68.20           | -9.33        | 51.66                 | 7.21         | Peak    | 253               | 30                   |
| 6 | 7766.66      | 54.67                       | 68.20           | -13.53       | 43.26                 | 11.41        | Peak    | 240               | 95                   |
| 7 | 11650.00     | 49.38                       | 54.00           | -4.62        | 33.01                 | 16.37        | Average | 213               | 82                   |
| 8 | 11650.00     | 59.02                       | 74.00           | -14.98       | 42.65                 | 16.37        | Peak    | 213               | 82                   |
| 9 | 17475.00     | 59.19                       | 68.20           | -9.01        | 39.87                 | 19.32        | Peak    | 100               | 50                   |

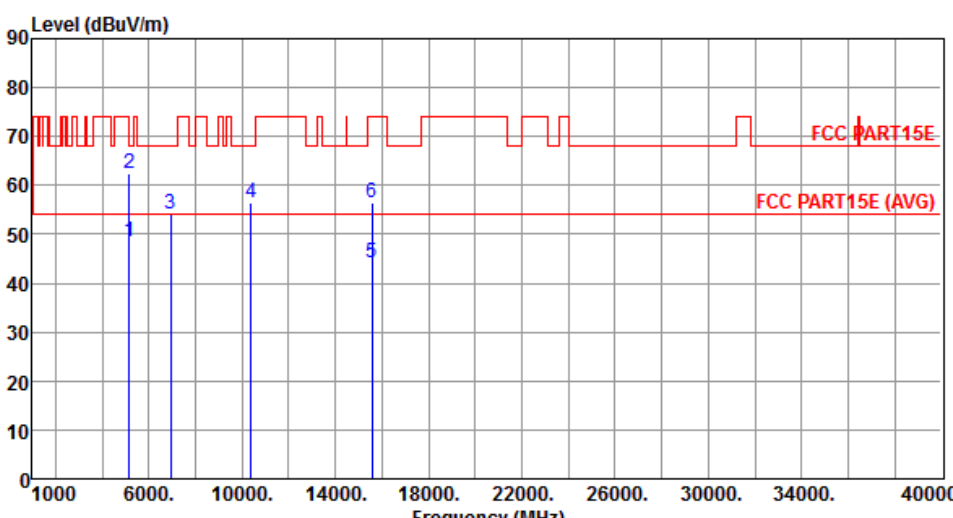
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

### 3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

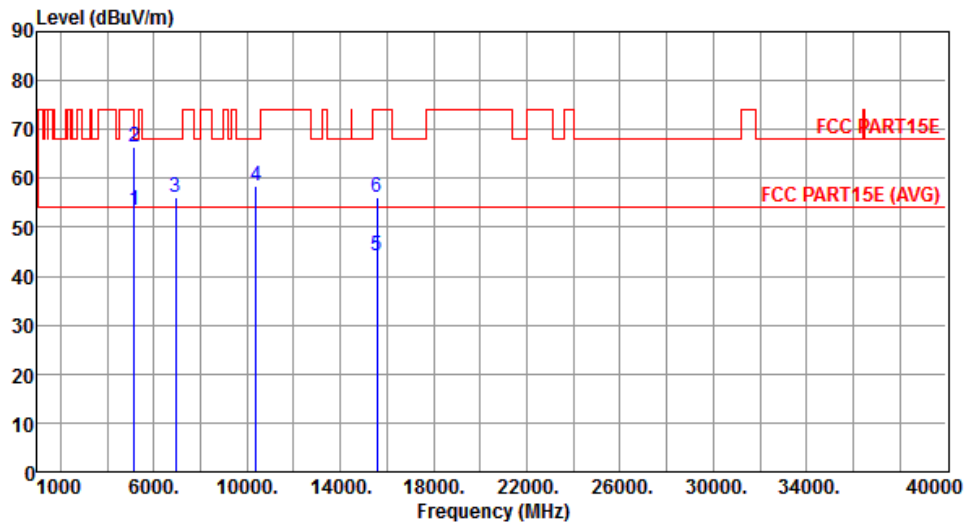
|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5190 |
| Polarization | Horizontal | Test Configuration | 1    |

|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 48.53                       | 54.00           | -5.47        | 42.53                 | 6.00         | Average | 171               | 288                  |
| 2 | 5150.00      | 62.43                       | 74.00           | -11.57       | 56.43                 | 6.00         | Peak    | 171               | 288                  |
| 3 | 6920.00      | 54.19                       | 68.20           | -14.01       | 44.15                 | 10.04        | Peak    | 100               | 62                   |
| 4 | 10380.00     | 56.58                       | 68.20           | -11.62       | 40.82                 | 15.76        | Peak    | 115               | 106                  |
| 5 | 15570.00     | 44.33                       | 54.00           | -9.67        | 27.64                 | 16.69        | Average | 100               | 220                  |
| 6 | 15570.00     | 56.34                       | 74.00           | -17.66       | 39.65                 | 16.69        | Peak    | 100               | 220                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)  
\*Factor includes antenna factor , cable loss and amplifier gain  
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5190 |
| Polarization | Vertical | Test Configuration | 1    |



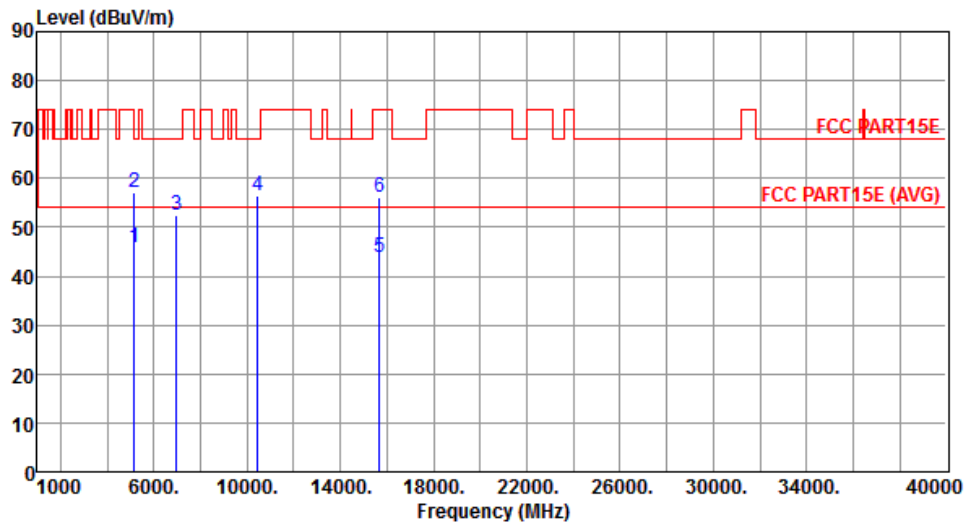
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 53.46                       | 54.00           | -0.54        | 47.46                 | 6.00         | Average | 280               | 19                   |
| 2 | 5150.00      | 66.49                       | 74.00           | -7.51        | 60.49                 | 6.00         | Peak    | 280               | 19                   |
| 3 | 6920.00      | 56.26                       | 68.20           | -11.94       | 46.22                 | 10.04        | Peak    | 363               | 221                  |
| 4 | 10380.00     | 58.29                       | 68.20           | -9.91        | 42.53                 | 15.76        | Peak    | 275               | 108                  |
| 5 | 15570.00     | 44.33                       | 54.00           | -9.67        | 27.64                 | 16.69        | Average | 100               | 90                   |
| 6 | 15570.00     | 56.24                       | 74.00           | -17.76       | 39.55                 | 16.69        | Peak    | 100               | 90                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5230 |
| Polarization | Horizontal | Test Configuration | 1    |



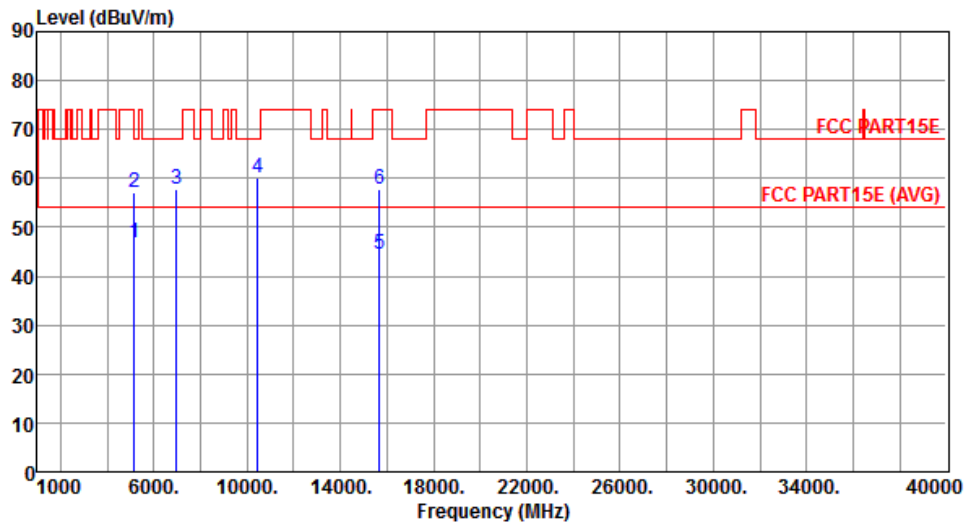
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.79                       | 54.00           | -8.21        | 39.79                 | 6.00         | Average | 116               | 297                  |
| 2 | 5150.00      | 57.23                       | 74.00           | -16.77       | 51.23                 | 6.00         | Peak    | 116               | 297                  |
| 3 | 6973.33      | 52.57                       | 68.20           | -15.63       | 42.34                 | 10.23        | Peak    | 116               | 297                  |
| 4 | 10460.00     | 56.31                       | 68.20           | -11.89       | 40.49                 | 15.82        | Peak    | 303               | 223                  |
| 5 | 15690.00     | 43.95                       | 54.00           | -10.05       | 27.40                 | 16.55        | Average | 100               | 40                   |
| 6 | 15690.00     | 56.08                       | 74.00           | -17.92       | 39.53                 | 16.55        | Peak    | 100               | 40                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5230 |
| Polarization | Vertical | Test Configuration | 1    |



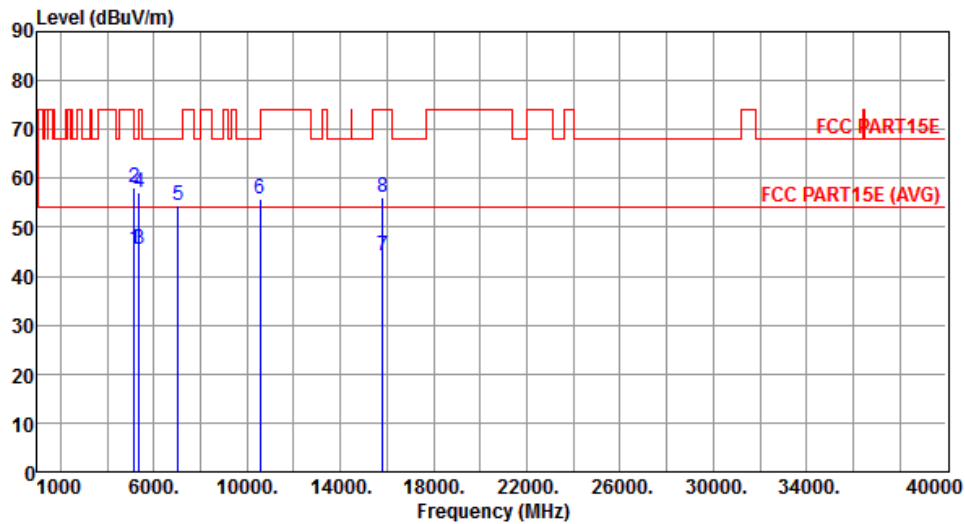
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 46.74                       | 54.00           | -7.26        | 40.74                 | 6.00         | Average | 173               | 15                   |
| 2 | 5150.00      | 57.21                       | 74.00           | -16.79       | 51.21                 | 6.00         | Peak    | 173               | 15                   |
| 3 | 6973.33      | 57.65                       | 68.20           | -10.55       | 47.42                 | 10.23        | Peak    | 360               | 161                  |
| 4 | 10460.00     | 60.17                       | 68.20           | -8.03        | 44.35                 | 15.82        | Peak    | 194               | 100                  |
| 5 | 15690.00     | 44.41                       | 54.00           | -9.59        | 27.86                 | 16.55        | Average | 100               | 92                   |
| 6 | 15690.00     | 57.77                       | 74.00           | -16.23       | 41.22                 | 16.55        | Peak    | 100               | 92                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5270 |
| Polarization | Horizontal | Test Configuration | 1    |



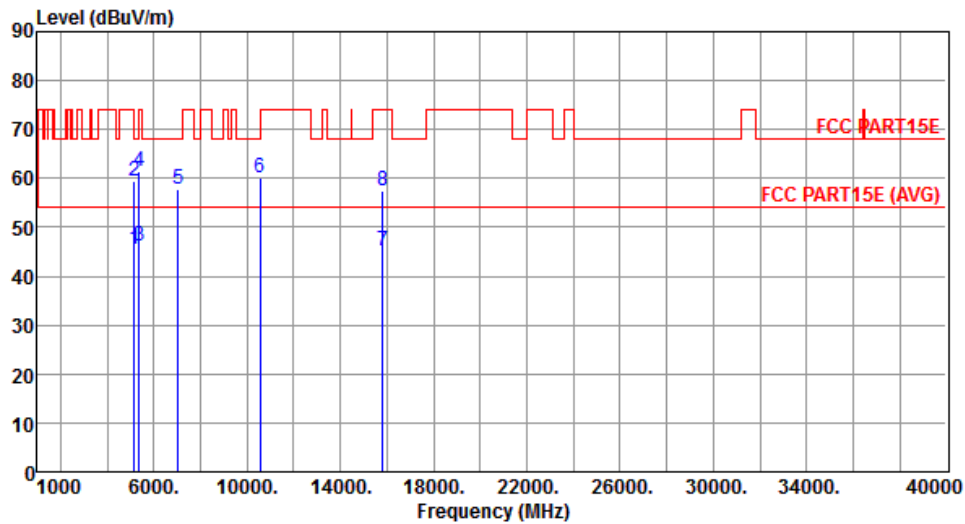
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.62                       | 54.00           | -8.38        | 39.62                 | 6.00         | Average | 219               | 297                  |
| 2 | 5150.00      | 58.23                       | 74.00           | -15.77       | 52.23                 | 6.00         | Peak    | 219               | 297                  |
| 3 | 5350.00      | 45.42                       | 54.00           | -8.58        | 39.06                 | 6.36         | Average | 219               | 297                  |
| 4 | 5350.00      | 57.06                       | 74.00           | -16.94       | 50.70                 | 6.36         | Peak    | 219               | 297                  |
| 5 | 7026.66      | 54.47                       | 68.20           | -13.73       | 44.14                 | 10.33        | Peak    | 110               | 284                  |
| 6 | 10540.00     | 55.89                       | 68.20           | -12.31       | 39.97                 | 15.92        | Peak    | 305               | 235                  |
| 7 | 15810.00     | 44.08                       | 54.00           | -9.92        | 27.69                 | 16.39        | Average | 100               | 32                   |
| 8 | 15810.00     | 56.10                       | 74.00           | -17.90       | 39.71                 | 16.39        | Peak    | 100               | 32                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5270 |
| Polarization | Vertical | Test Configuration | 1    |



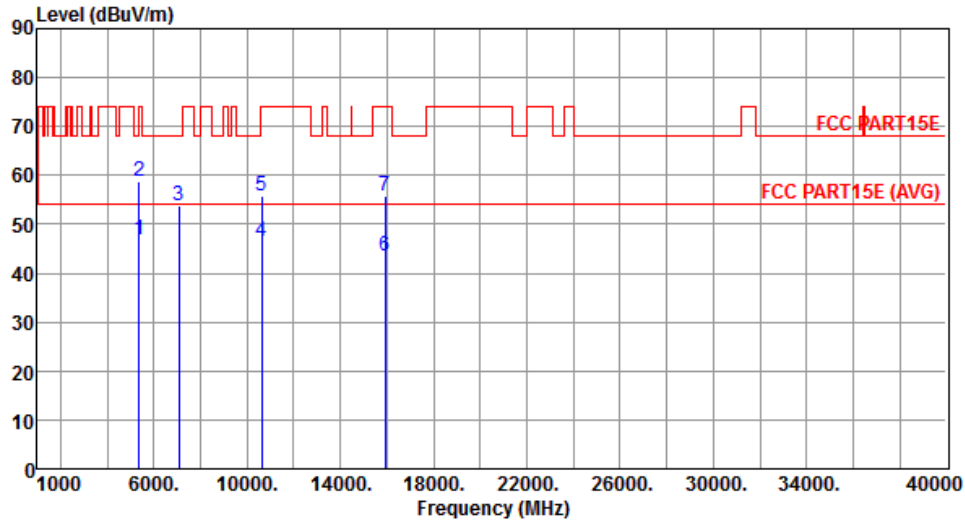
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 45.60                       | 54.00           | -8.40        | 39.60                 | 6.00         | Average | 249               | 5                    |
| 2 | 5150.00      | 59.38                       | 74.00           | -14.62       | 53.38                 | 6.00         | Peak    | 249               | 5                    |
| 3 | 5350.00      | 46.30                       | 54.00           | -7.70        | 39.94                 | 6.36         | Average | 249               | 5                    |
| 4 | 5350.00      | 61.38                       | 74.00           | -12.62       | 55.02                 | 6.36         | Peak    | 249               | 5                    |
| 5 | 7026.66      | 57.89                       | 68.20           | -10.31       | 47.56                 | 10.33        | Peak    | 328               | 164                  |
| 6 | 10540.00     | 60.08                       | 68.20           | -8.12        | 44.16                 | 15.92        | Peak    | 288               | 116                  |
| 7 | 15810.00     | 45.24                       | 54.00           | -8.76        | 28.85                 | 16.39        | Average | 100               | 103                  |
| 8 | 15810.00     | 57.30                       | 74.00           | -16.70       | 40.91                 | 16.39        | Peak    | 100               | 103                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5310 |
| Polarization | Horizontal | Test Configuration | 1    |



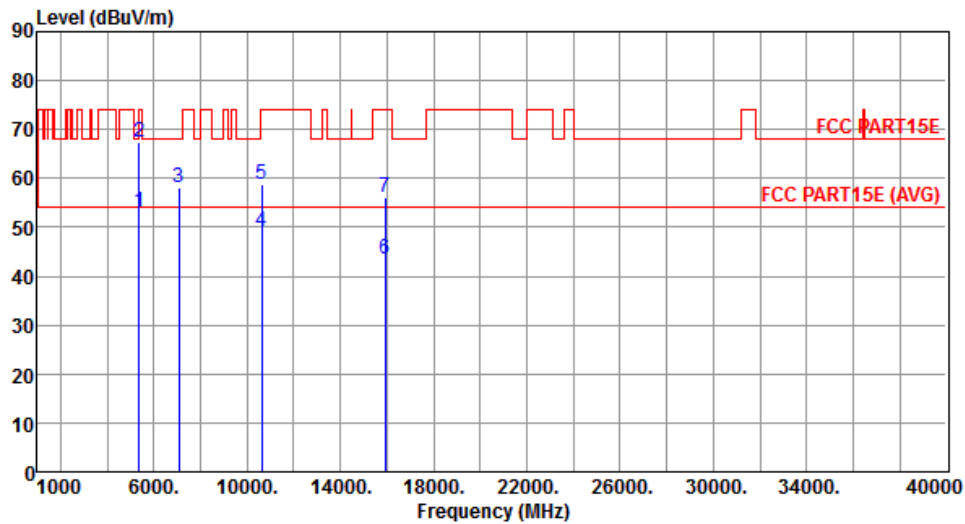
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 46.82                       | 54.00           | -7.18        | 40.46                 | 6.36         | Average | 149               | 332                  |
| 2 | 5350.00      | 58.88                       | 74.00           | -15.12       | 52.52                 | 6.36         | Peak    | 149               | 332                  |
| 3 | 7080.00      | 53.96                       | 68.20           | -14.24       | 43.62                 | 10.34        | Peak    | 107               | 283                  |
| 4 | 10620.00     | 46.63                       | 54.00           | -7.37        | 30.57                 | 16.06        | Average | 295               | 246                  |
| 5 | 10620.00     | 55.72                       | 74.00           | -18.28       | 39.66                 | 16.06        | Peak    | 295               | 246                  |
| 6 | 15930.00     | 43.41                       | 54.00           | -10.59       | 27.16                 | 16.25        | Average | 100               | 58                   |
| 7 | 15930.00     | 55.81                       | 74.00           | -18.19       | 39.56                 | 16.25        | Peak    | 100               | 58                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5310 |
| Polarization | Vertical | Test Configuration | 1    |



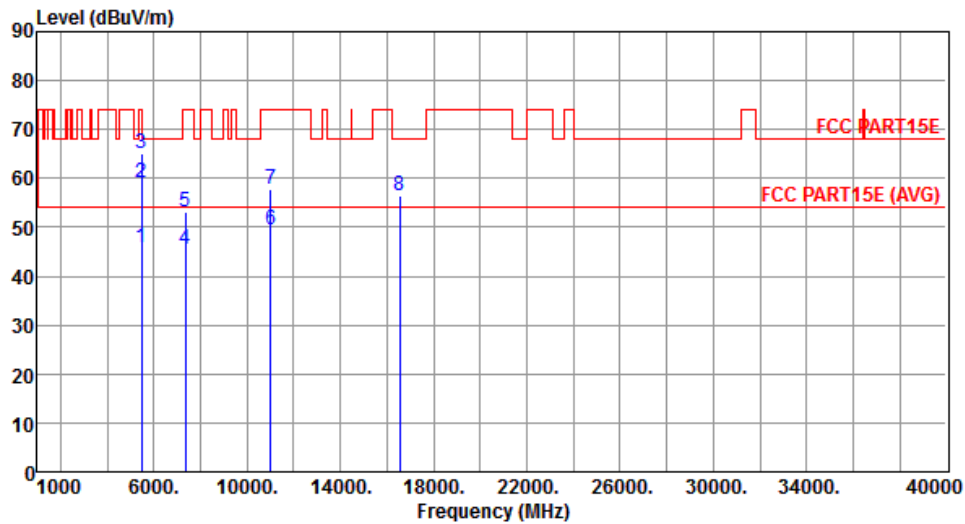
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00      | 53.26                       | 54.00           | -0.74        | 46.90                 | 6.36         | Average | 235               | 18                   |
| 2 | 5350.00      | 67.36                       | 74.00           | -6.64        | 61.00                 | 6.36         | Peak    | 235               | 18                   |
| 3 | 7080.00      | 58.24                       | 68.20           | -9.96        | 47.90                 | 10.34        | Peak    | 367               | 170                  |
| 4 | 10620.00     | 49.09                       | 54.00           | -4.91        | 33.03                 | 16.06        | Average | 290               | 113                  |
| 5 | 10620.00     | 58.77                       | 74.00           | -15.23       | 42.71                 | 16.06        | Peak    | 290               | 113                  |
| 6 | 15930.00     | 43.60                       | 54.00           | -10.40       | 27.35                 | 16.25        | Average | 100               | 145                  |
| 7 | 15930.00     | 56.07                       | 74.00           | -17.93       | 39.82                 | 16.25        | Peak    | 100               | 145                  |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5510 |
| Polarization | Horizontal | Test Configuration | 1    |



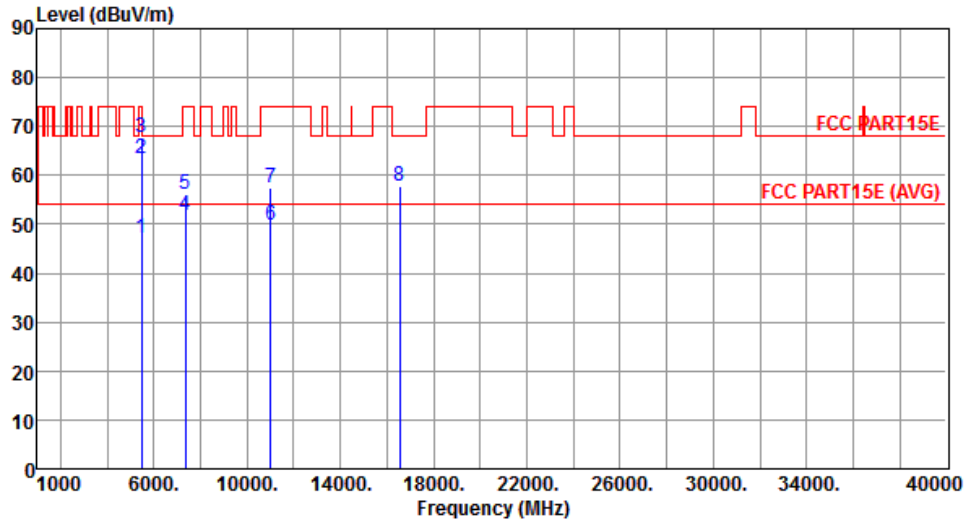
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00      | 45.95                       | 54.00           | -8.05        | 39.40                 | 6.55         | Average | 156               | 325                  |
| 2 | 5460.00      | 59.25                       | 74.00           | -14.75       | 52.70                 | 6.55         | Peak    | 156               | 325                  |
| 3 | 5470.00      | 64.94                       | 68.20           | -3.26        | 58.38                 | 6.56         | Peak    | 156               | 325                  |
| 4 | 7346.66      | 45.42                       | 54.00           | -8.58        | 34.43                 | 10.99        | Average | 100               | 295                  |
| 5 | 7346.66      | 53.16                       | 74.00           | -20.84       | 42.17                 | 10.99        | Peak    | 100               | 295                  |
| 6 | 11020.00     | 49.52                       | 54.00           | -4.48        | 32.75                 | 16.77        | Average | 365               | 246                  |
| 7 | 11020.00     | 57.75                       | 74.00           | -16.25       | 40.98                 | 16.77        | Peak    | 365               | 246                  |
| 8 | 16530.00     | 56.44                       | 68.20           | -11.76       | 39.26                 | 17.18        | Peak    | 100               | 62                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5510 |
| Polarization | Vertical | Test Configuration | 1    |



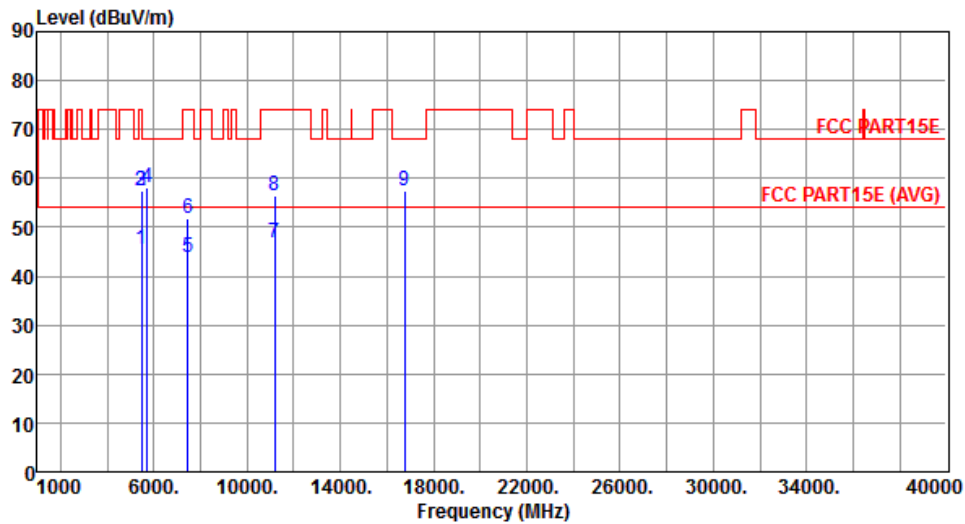
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00      | 47.05                       | 54.00           | -6.95        | 40.50                 | 6.55         | Average | 203               | 13                   |
| 2 | 5460.00      | 63.33                       | 74.00           | -10.67       | 56.78                 | 6.55         | Peak    | 203               | 13                   |
| 3 | 5470.00      | 67.79                       | 68.20           | -0.41        | 61.23                 | 6.56         | Peak    | 203               | 13                   |
| 4 | 7346.66      | 51.67                       | 54.00           | -2.33        | 40.68                 | 10.99        | Average | 368               | 170                  |
| 5 | 7346.66      | 56.20                       | 74.00           | -17.80       | 45.21                 | 10.99        | Peak    | 368               | 170                  |
| 6 | 11020.00     | 49.89                       | 54.00           | -4.11        | 33.12                 | 16.77        | Average | 312               | 40                   |
| 7 | 11020.00     | 57.31                       | 74.00           | -16.69       | 40.54                 | 16.77        | Peak    | 312               | 40                   |
| 8 | 16530.00     | 57.68                       | 68.20           | -10.52       | 40.50                 | 17.18        | Peak    | 100               | 74                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5590 |
| Polarization | Horizontal | Test Configuration | 1    |



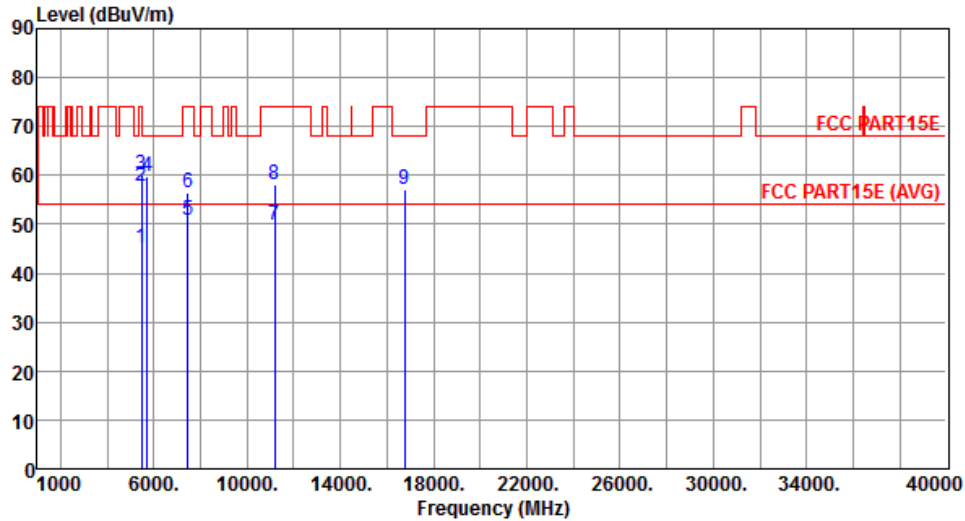
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00      | 45.35                       | 54.00           | -8.65        | 38.80                 | 6.55         | Average | 160               | 326                  |
| 2 | 5460.00      | 57.35                       | 74.00           | -16.65       | 50.80                 | 6.55         | Peak    | 160               | 326                  |
| 3 | 5470.00      | 57.52                       | 68.20           | -10.68       | 50.96                 | 6.56         | Peak    | 160               | 326                  |
| 4 | 5725.00      | 58.17                       | 68.20           | -10.03       | 51.26                 | 6.91         | Peak    | 160               | 326                  |
| 5 | 7453.33      | 43.78                       | 54.00           | -10.22       | 32.50                 | 11.28        | Average | 100               | 307                  |
| 6 | 7453.33      | 51.68                       | 74.00           | -22.32       | 40.40                 | 11.28        | Peak    | 100               | 307                  |
| 7 | 11180.00     | 46.67                       | 54.00           | -7.33        | 29.96                 | 16.71        | Average | 333               | 231                  |
| 8 | 11180.00     | 56.51                       | 74.00           | -17.49       | 39.80                 | 16.71        | Peak    | 333               | 231                  |
| 9 | 16770.00     | 57.47                       | 68.20           | -10.73       | 39.95                 | 17.52        | Peak    | 100               | 67                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5590 |
| Polarization | Vertical | Test Configuration | 1    |



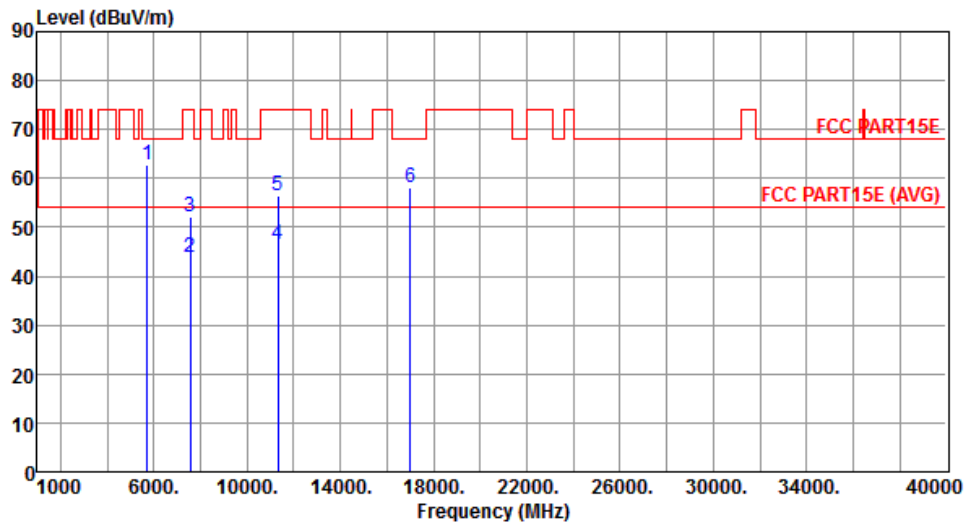
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00      | 45.30                       | 54.00           | -8.70        | 38.75                 | 6.55         | Average | 237               | 23                   |
| 2 | 5460.00      | 57.95                       | 74.00           | -16.05       | 51.40                 | 6.55         | Peak    | 237               | 23                   |
| 3 | 5470.00      | 59.99                       | 68.20           | -8.21        | 53.43                 | 6.56         | Peak    | 237               | 23                   |
| 4 | 5725.00      | 59.68                       | 68.20           | -8.52        | 52.77                 | 6.91         | Peak    | 237               | 23                   |
| 5 | 7453.33      | 50.91                       | 54.00           | -3.09        | 39.63                 | 11.28        | Average | 335               | 135                  |
| 6 | 7453.33      | 56.41                       | 74.00           | -17.59       | 45.13                 | 11.28        | Peak    | 335               | 135                  |
| 7 | 11180.00     | 49.69                       | 54.00           | -4.31        | 32.98                 | 16.71        | Average | 284               | 28                   |
| 8 | 11180.00     | 58.07                       | 74.00           | -15.93       | 41.36                 | 16.71        | Peak    | 284               | 28                   |
| 9 | 16770.00     | 57.26                       | 68.20           | -10.94       | 39.74                 | 17.52        | Peak    | 100               | 169                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5670 |
| Polarization | Horizontal | Test Configuration | 1    |



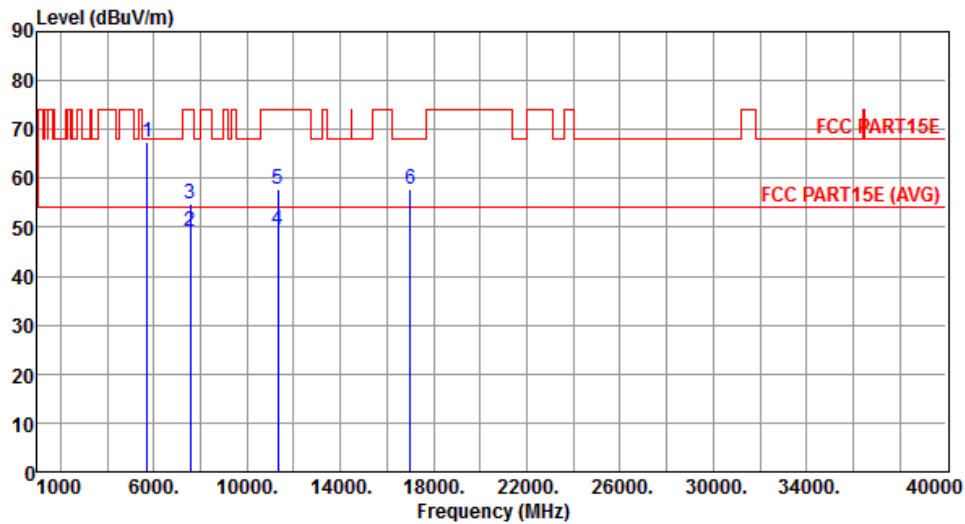
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 62.86                       | 68.20           | -5.34        | 55.95                 | 6.91         | Peak    | 151               | 294                  |
| 2 | 7560.00      | 43.82                       | 54.00           | -10.18       | 32.47                 | 11.35        | Average | 100               | 272                  |
| 3 | 7560.00      | 52.24                       | 74.00           | -21.76       | 40.89                 | 11.35        | Peak    | 100               | 272                  |
| 4 | 11340.00     | 46.40                       | 54.00           | -7.60        | 29.74                 | 16.66        | Average | 319               | 288                  |
| 5 | 11340.00     | 56.39                       | 74.00           | -17.61       | 39.73                 | 16.66        | Peak    | 319               | 288                  |
| 6 | 17010.00     | 58.03                       | 68.20           | -10.17       | 40.16                 | 17.87        | Peak    | 100               | 84                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5670 |
| Polarization | Vertical | Test Configuration | 1    |



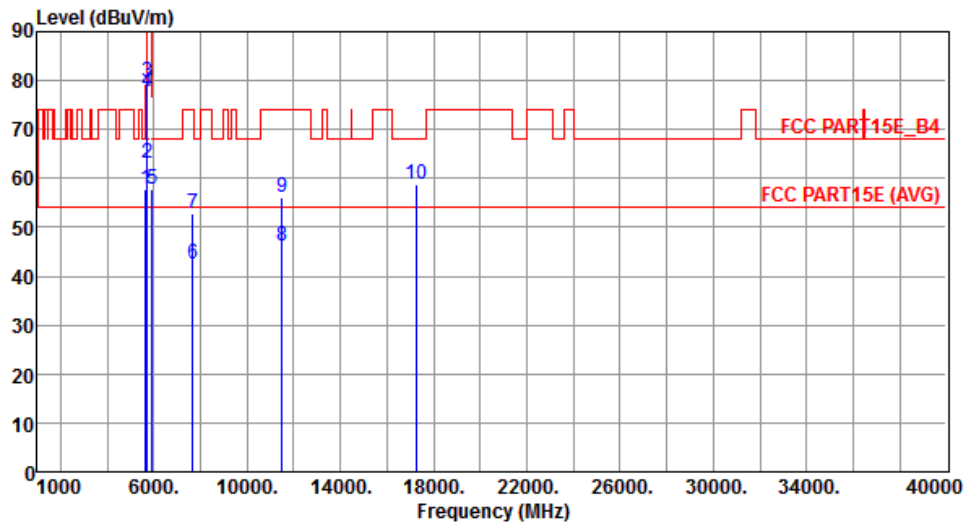
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 67.42                       | 68.20           | -0.78        | 60.51                 | 6.91         | Peak    | 219               | 7                    |
| 2 | 7560.00      | 49.14                       | 54.00           | -4.86        | 37.79                 | 11.35        | Average | 326               | 137                  |
| 3 | 7560.00      | 54.91                       | 74.00           | -19.09       | 43.56                 | 11.35        | Peak    | 326               | 137                  |
| 4 | 11340.00     | 49.41                       | 54.00           | -4.59        | 32.75                 | 16.66        | Average | 311               | 34                   |
| 5 | 11340.00     | 57.80                       | 74.00           | -16.20       | 41.14                 | 16.66        | Peak    | 311               | 34                   |
| 6 | 17010.00     | 57.74                       | 68.20           | -10.46       | 39.87                 | 17.87        | Peak    | 100               | 206                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5755 |
| Polarization | Horizontal | Test Configuration | 1    |



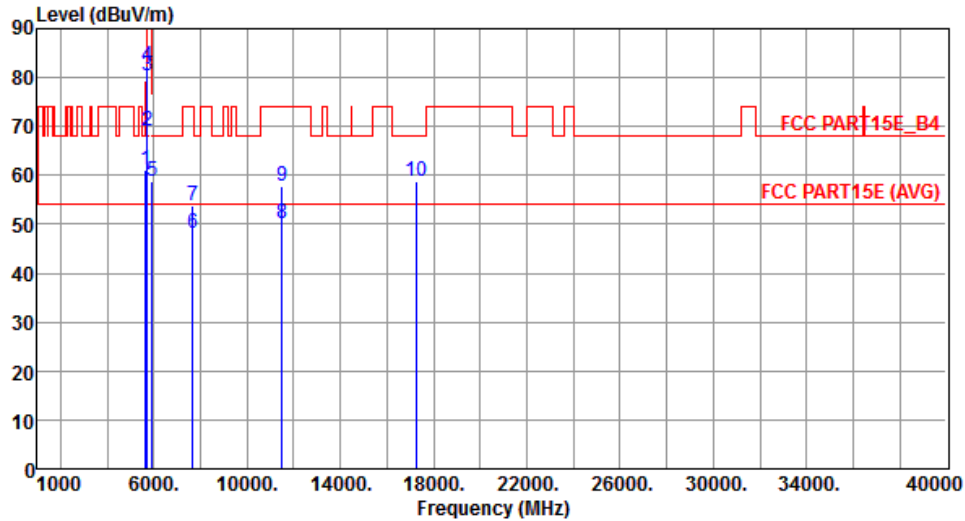
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 57.76                       | 68.20           | -10.44       | 50.96                 | 6.80         | Peak    | 143               | 302                  |
| 2  | 5700.00      | 63.20                       | 105.20          | -42.00       | 56.32                 | 6.88         | Peak    | 143               | 302                  |
| 3  | 5720.00      | 79.71                       | 110.80          | -31.09       | 72.80                 | 6.91         | Peak    | 143               | 302                  |
| 4  | 5725.00      | 77.57                       | 122.20          | -44.63       | 70.66                 | 6.91         | Peak    | 143               | 302                  |
| 5  | 5925.00      | 57.87                       | 68.20           | -10.33       | 50.66                 | 7.21         | Peak    | 143               | 302                  |
| 6  | 7673.33      | 42.55                       | 54.00           | -11.45       | 31.16                 | 11.39        | Average | 100               | 339                  |
| 7  | 7673.33      | 52.86                       | 74.00           | -21.14       | 41.47                 | 11.39        | Peak    | 100               | 339                  |
| 8  | 11510.00     | 46.24                       | 54.00           | -7.76        | 29.66                 | 16.58        | Average | 316               | 310                  |
| 9  | 11510.00     | 56.00                       | 74.00           | -18.00       | 39.42                 | 16.58        | Peak    | 316               | 310                  |
| 10 | 17265.00     | 58.88                       | 68.20           | -9.32        | 40.22                 | 18.66        | Peak    | 100               | 77                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5755 |
| Polarization | Vertical | Test Configuration | 1    |



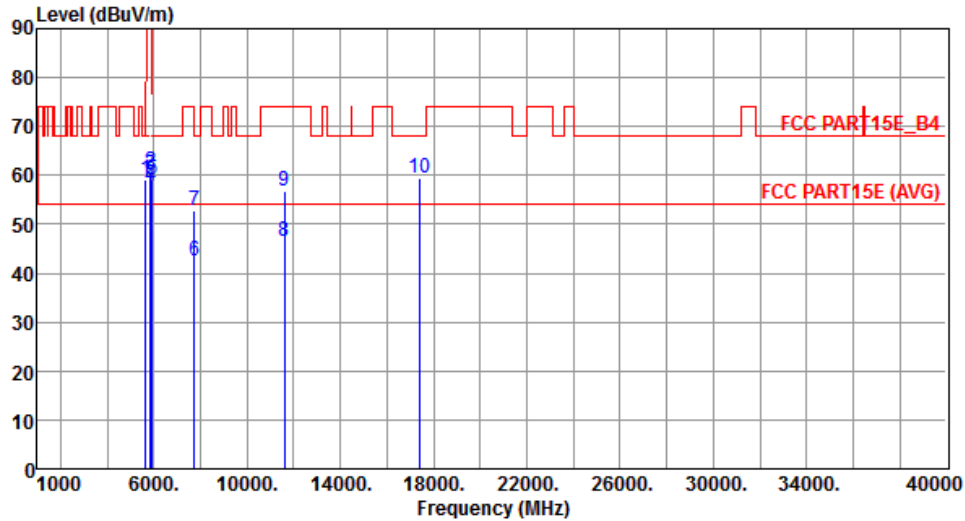
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 61.03                       | 68.20           | -7.17        | 54.23                 | 6.80         | Peak    | 238               | 5                    |
| 2  | 5700.00      | 68.98                       | 105.20          | -36.22       | 62.10                 | 6.88         | Peak    | 238               | 5                    |
| 3  | 5720.00      | 80.43                       | 110.80          | -30.37       | 73.52                 | 6.91         | Peak    | 238               | 5                    |
| 4  | 5725.00      | 82.32                       | 122.20          | -39.88       | 75.41                 | 6.91         | Peak    | 238               | 5                    |
| 5  | 5925.00      | 58.69                       | 68.20           | -9.51        | 51.48                 | 7.21         | Peak    | 238               | 5                    |
| 6  | 7673.33      | 48.30                       | 54.00           | -5.70        | 36.91                 | 11.39        | Average | 360               | 200                  |
| 7  | 7673.33      | 53.96                       | 74.00           | -20.04       | 42.57                 | 11.39        | Peak    | 360               | 200                  |
| 8  | 11510.00     | 49.99                       | 54.00           | -4.01        | 33.41                 | 16.58        | Average | 295               | 167                  |
| 9  | 11510.00     | 57.65                       | 74.00           | -16.35       | 41.07                 | 16.58        | Peak    | 295               | 167                  |
| 10 | 17265.00     | 58.72                       | 68.20           | -9.48        | 40.06                 | 18.66        | Peak    | 100               | 194                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT40      | Test Freq. (MHz)   | 5795 |
| Polarization | Horizontal | Test Configuration | 1    |



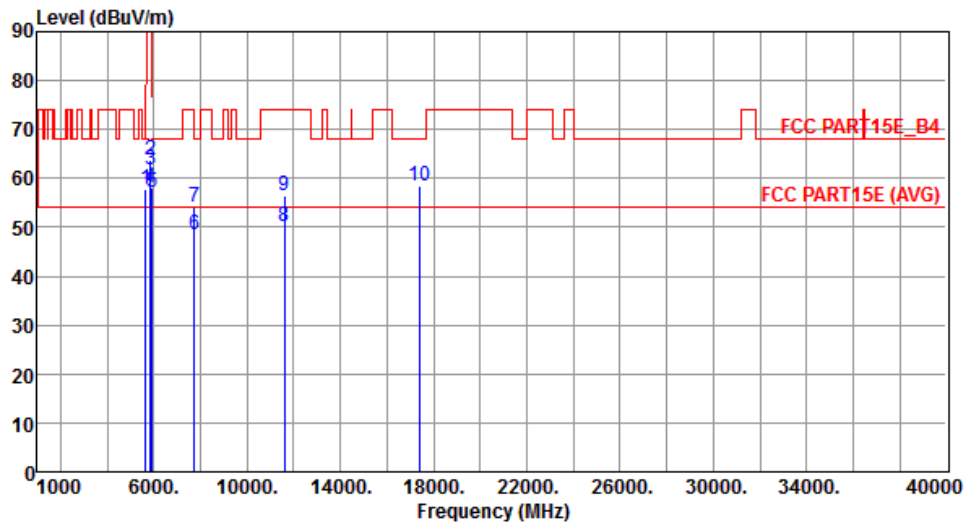
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 59.20                       | 68.20           | -9.00        | 52.40                 | 6.80         | Peak    | 156               | 305                  |
| 2  | 5850.00      | 60.63                       | 122.20          | -61.57       | 53.53                 | 7.10         | Peak    | 156               | 305                  |
| 3  | 5855.00      | 60.01                       | 110.80          | -50.79       | 52.89                 | 7.12         | Peak    | 156               | 305                  |
| 4  | 5875.00      | 57.95                       | 105.20          | -47.25       | 50.81                 | 7.14         | Peak    | 156               | 305                  |
| 5  | 5925.00      | 59.01                       | 68.20           | -9.19        | 51.80                 | 7.21         | Peak    | 156               | 305                  |
| 6  | 7726.66      | 42.67                       | 54.00           | -11.33       | 31.26                 | 11.41        | Average | 100               | 326                  |
| 7  | 7726.66      | 52.79                       | 74.00           | -21.21       | 41.38                 | 11.41        | Peak    | 100               | 326                  |
| 8  | 11590.00     | 46.62                       | 54.00           | -7.38        | 30.16                 | 16.46        | Average | 321               | 316                  |
| 9  | 11590.00     | 56.64                       | 74.00           | -17.36       | 40.18                 | 16.46        | Peak    | 321               | 316                  |
| 10 | 17385.00     | 59.42                       | 68.20           | -8.78        | 40.38                 | 19.04        | Peak    | 100               | 84                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT40    | Test Freq. (MHz)   | 5795 |
| Polarization | Vertical | Test Configuration | 1    |



|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 57.74                       | 68.20           | -10.46       | 50.94                 | 6.80         | Peak    | 256               | 2                    |
| 2  | 5850.00      | 63.70                       | 122.20          | -58.50       | 56.60                 | 7.10         | Peak    | 256               | 2                    |
| 3  | 5855.00      | 61.71                       | 110.80          | -49.09       | 54.59                 | 7.12         | Peak    | 256               | 2                    |
| 4  | 5875.00      | 58.02                       | 105.20          | -47.18       | 50.88                 | 7.14         | Peak    | 256               | 2                    |
| 5  | 5925.00      | 57.19                       | 68.20           | -11.01       | 49.98                 | 7.21         | Peak    | 256               | 2                    |
| 6  | 7726.66      | 48.52                       | 54.00           | -5.48        | 37.11                 | 11.41        | Average | 357               | 186                  |
| 7  | 7726.66      | 54.07                       | 74.00           | -19.93       | 42.66                 | 11.41        | Peak    | 357               | 186                  |
| 8  | 11590.00     | 50.02                       | 54.00           | -3.98        | 33.56                 | 16.46        | Average | 301               | 175                  |
| 9  | 11590.00     | 56.62                       | 74.00           | -17.38       | 40.16                 | 16.46        | Peak    | 301               | 175                  |
| 10 | 17385.00     | 58.60                       | 68.20           | -9.60        | 39.56                 | 19.04        | Peak    | 100               | 223                  |

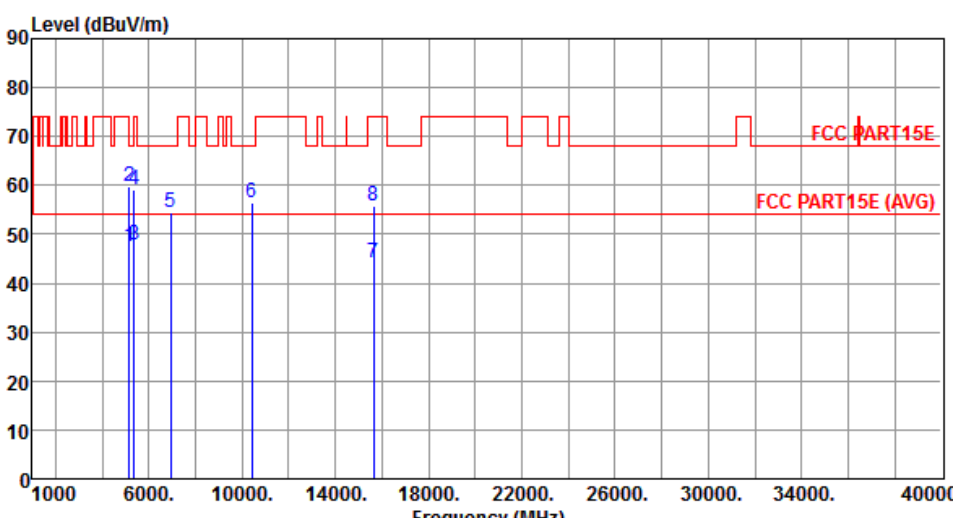
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

### 3.5.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

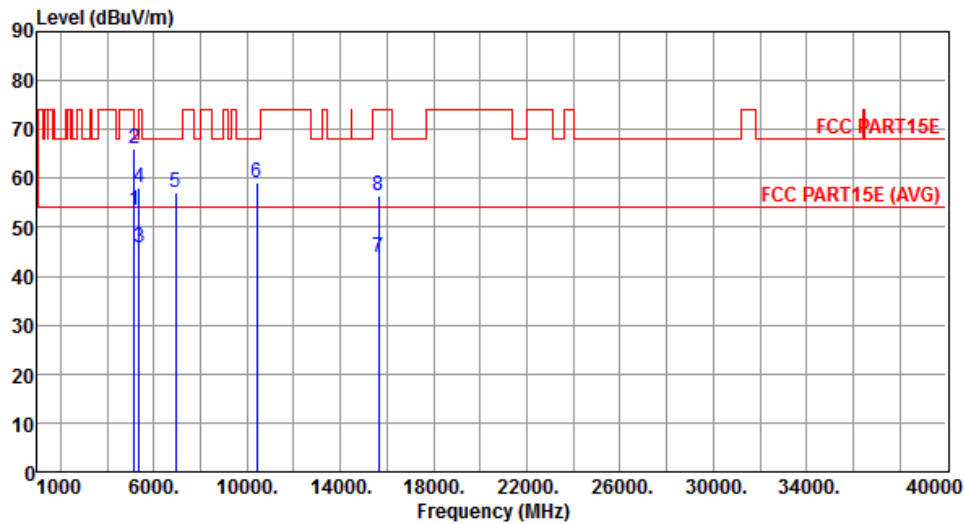
|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT80      | Test Freq. (MHz)   | 5210 |
| Polarization | Horizontal | Test Configuration | 1    |

|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 47.57                       | 54.00           | -6.43        | 41.57                 | 6.00         | Average | 128               | 299                  |
| 2 | 5150.00      | 59.65                       | 74.00           | -14.35       | 53.65                 | 6.00         | Peak    | 128               | 299                  |
| 3 | 5350.00      | 47.79                       | 54.00           | -6.21        | 41.43                 | 6.36         | Average | 128               | 299                  |
| 4 | 5350.00      | 59.23                       | 74.00           | -14.77       | 52.87                 | 6.36         | Peak    | 128               | 299                  |
| 5 | 6946.66      | 54.37                       | 68.20           | -13.83       | 44.24                 | 10.13        | Peak    | 100               | 297                  |
| 6 | 10420.00     | 56.41                       | 68.20           | -11.79       | 40.62                 | 15.79        | Peak    | 100               | 220                  |
| 7 | 15630.00     | 44.03                       | 54.00           | -9.97        | 27.42                 | 16.61        | Average | 100               | 10                   |
| 8 | 15630.00     | 55.95                       | 74.00           | -18.05       | 39.34                 | 16.61        | Peak    | 100               | 10                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)  
\*Factor includes antenna factor , cable loss and amplifier gain  
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT80    | Test Freq. (MHz)   | 5210 |
| Polarization | Vertical | Test Configuration | 1    |



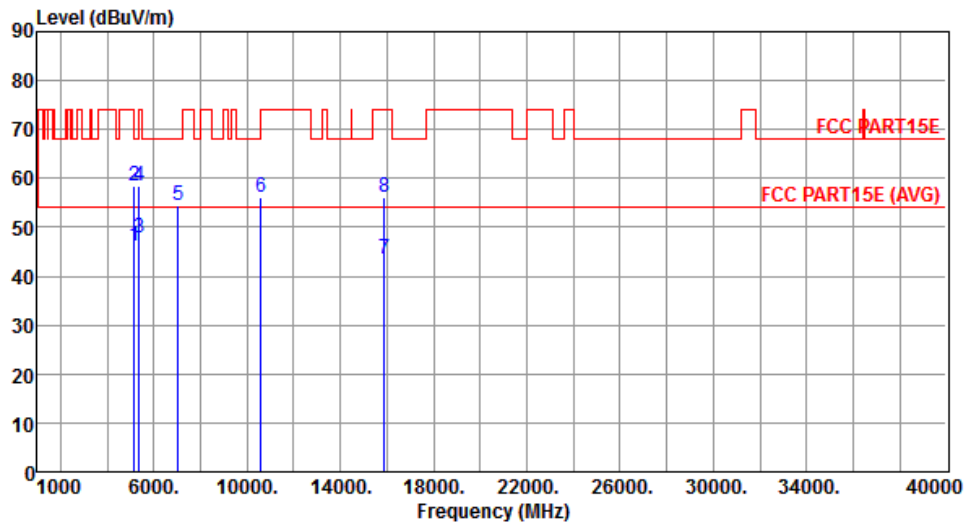
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 53.58                       | 54.00           | -0.42        | 47.58                 | 6.00         | Average | 223               | 18                   |
| 2 | 5150.00      | 66.06                       | 74.00           | -7.94        | 60.06                 | 6.00         | Peak    | 223               | 18                   |
| 3 | 5350.00      | 45.81                       | 54.00           | -8.19        | 39.45                 | 6.36         | Average | 223               | 18                   |
| 4 | 5350.00      | 58.21                       | 74.00           | -15.79       | 51.85                 | 6.36         | Peak    | 223               | 18                   |
| 5 | 6946.66      | 57.28                       | 68.20           | -10.92       | 47.15                 | 10.13        | Peak    | 360               | 181                  |
| 6 | 10420.00     | 59.24                       | 68.20           | -8.96        | 43.45                 | 15.79        | Peak    | 301               | 120                  |
| 7 | 15630.00     | 43.97                       | 54.00           | -10.03       | 27.36                 | 16.61        | Average | 100               | 50                   |
| 8 | 15630.00     | 56.55                       | 74.00           | -17.45       | 39.94                 | 16.61        | Peak    | 100               | 50                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT80      | Test Freq. (MHz)   | 5290 |
| Polarization | Horizontal | Test Configuration | 1    |



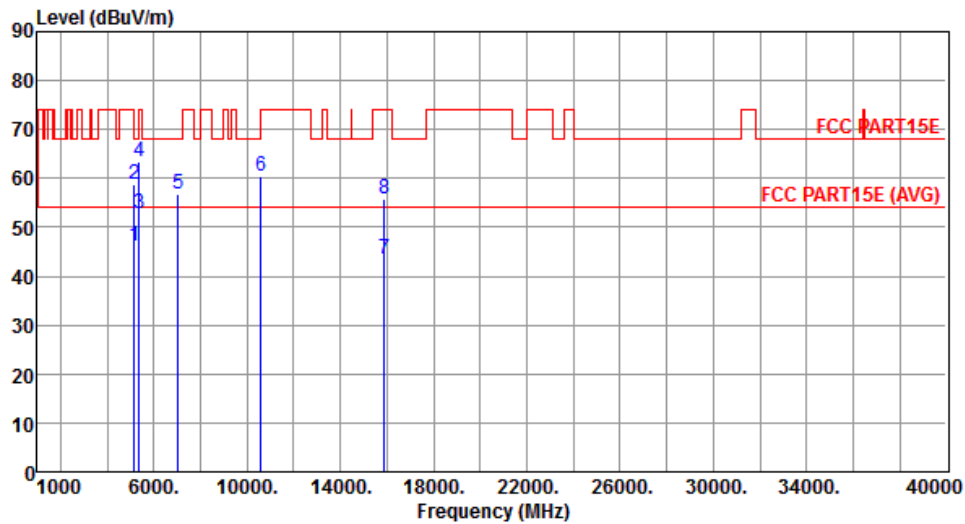
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 46.06                       | 54.00           | -7.94        | 40.06                 | 6.00         | Average | 121               | 295                  |
| 2 | 5150.00      | 58.34                       | 74.00           | -15.66       | 52.34                 | 6.00         | Peak    | 121               | 295                  |
| 3 | 5350.00      | 47.85                       | 54.00           | -6.15        | 41.49                 | 6.36         | Average | 121               | 295                  |
| 4 | 5350.00      | 58.33                       | 74.00           | -15.67       | 51.97                 | 6.36         | Peak    | 121               | 295                  |
| 5 | 7053.33      | 54.51                       | 68.20           | -13.69       | 44.18                 | 10.33        | Peak    | 100               | 295                  |
| 6 | 10580.00     | 56.08                       | 68.20           | -12.12       | 40.08                 | 16.00        | Peak    | 100               | 250                  |
| 7 | 15870.00     | 43.58                       | 54.00           | -10.42       | 27.25                 | 16.33        | Average | 100               | 230                  |
| 8 | 15870.00     | 56.25                       | 74.00           | -17.75       | 39.92                 | 16.33        | Peak    | 100               | 230                  |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT80    | Test Freq. (MHz)   | 5290 |
| Polarization | Vertical | Test Configuration | 1    |



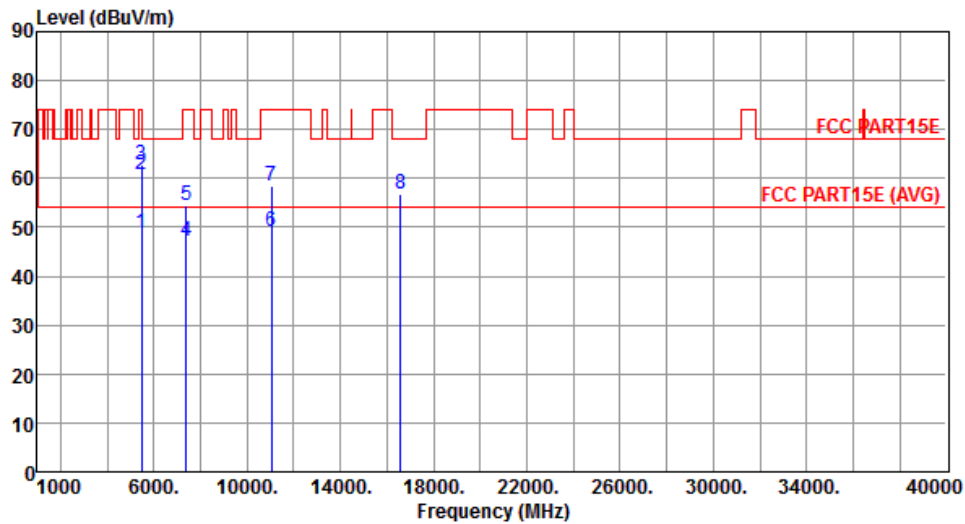
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00      | 46.12                       | 54.00           | -7.88        | 40.12                 | 6.00         | Average | 264               | 9                    |
| 2 | 5150.00      | 58.68                       | 74.00           | -15.32       | 52.68                 | 6.00         | Peak    | 264               | 9                    |
| 3 | 5350.00      | 52.95                       | 54.00           | -1.05        | 46.59                 | 6.36         | Average | 264               | 9                    |
| 4 | 5350.00      | 63.32                       | 74.00           | -10.68       | 56.96                 | 6.36         | Peak    | 264               | 9                    |
| 5 | 7053.33      | 56.82                       | 68.20           | -11.38       | 46.49                 | 10.33        | Peak    | 264               | 172                  |
| 6 | 10580.00     | 60.48                       | 68.20           | -7.72        | 44.48                 | 16.00        | Peak    | 311               | 118                  |
| 7 | 15870.00     | 43.42                       | 54.00           | -10.58       | 27.09                 | 16.33        | Average | 100               | 60                   |
| 8 | 15870.00     | 55.92                       | 74.00           | -18.08       | 39.59                 | 16.33        | Peak    | 100               | 60                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT80      | Test Freq. (MHz)   | 5530 |
| Polarization | Horizontal | Test Configuration | 1    |



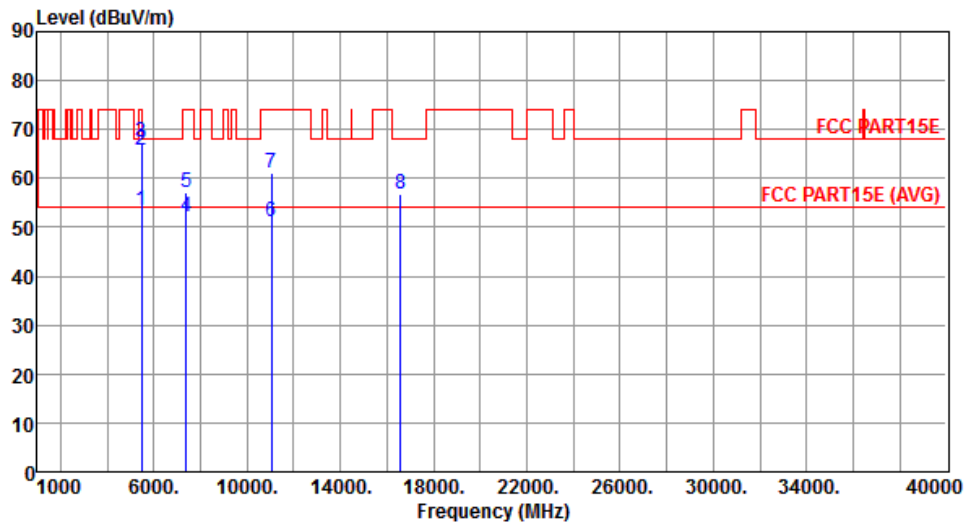
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00      | 48.88                       | 54.00           | -5.12        | 42.33                 | 6.55         | Average | 128               | 297                  |
| 2 | 5460.00      | 60.82                       | 74.00           | -13.18       | 54.27                 | 6.55         | Peak    | 128               | 297                  |
| 3 | 5470.00      | 62.80                       | 68.20           | -5.40        | 56.24                 | 6.56         | Peak    | 128               | 297                  |
| 4 | 7373.33      | 47.28                       | 54.00           | -6.72        | 36.16                 | 11.12        | Average | 100               | 291                  |
| 5 | 7373.33      | 54.47                       | 74.00           | -19.53       | 43.35                 | 11.12        | Peak    | 100               | 291                  |
| 6 | 11060.00     | 49.08                       | 54.00           | -4.92        | 32.33                 | 16.75        | Average | 100               | 221                  |
| 7 | 11060.00     | 58.61                       | 74.00           | -15.39       | 41.86                 | 16.75        | Peak    | 100               | 221                  |
| 8 | 16590.00     | 56.72                       | 68.20           | -11.48       | 39.45                 | 17.27        | Peak    | 100               | 30                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT80    | Test Freq. (MHz)   | 5530 |
| Polarization | Vertical | Test Configuration | 1    |



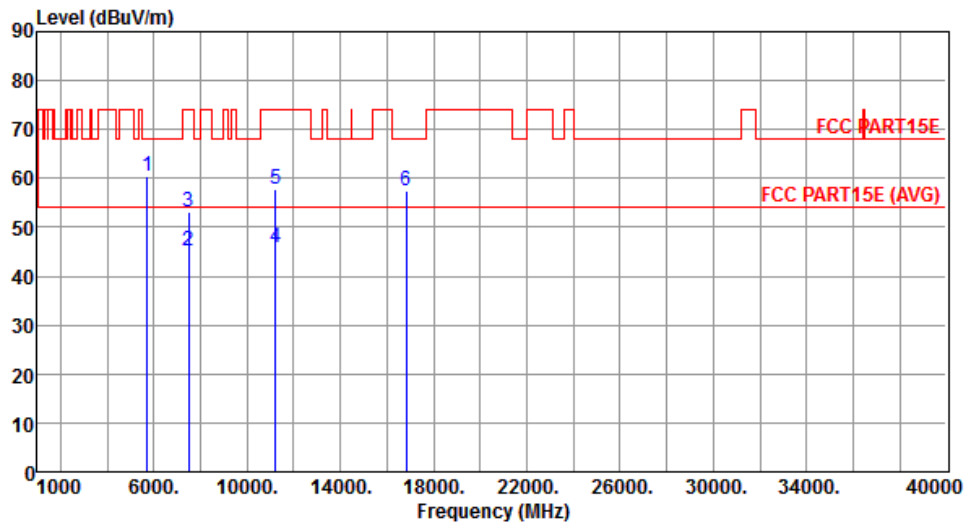
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00      | 53.35                       | 54.00           | -0.65        | 46.80                 | 6.55         | Average | 200               | 13                   |
| 2 | 5460.00      | 65.62                       | 74.00           | -8.38        | 59.07                 | 6.55         | Peak    | 200               | 13                   |
| 3 | 5470.00      | 67.34                       | 68.20           | -0.86        | 60.78                 | 6.56         | Peak    | 200               | 13                   |
| 4 | 7373.33      | 52.26                       | 54.00           | -1.74        | 41.14                 | 11.12        | Average | 321               | 179                  |
| 5 | 7373.33      | 57.11                       | 74.00           | -16.89       | 45.99                 | 11.12        | Peak    | 321               | 179                  |
| 6 | 11060.00     | 51.23                       | 54.00           | -2.77        | 34.48                 | 16.75        | Average | 317               | 229                  |
| 7 | 11060.00     | 61.01                       | 74.00           | -12.99       | 44.26                 | 16.75        | Peak    | 317               | 229                  |
| 8 | 16590.00     | 56.83                       | 68.20           | -11.37       | 39.56                 | 17.27        | Peak    | 100               | 25                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT80      | Test Freq. (MHz)   | 5610 |
| Polarization | Horizontal | Test Configuration | 1    |



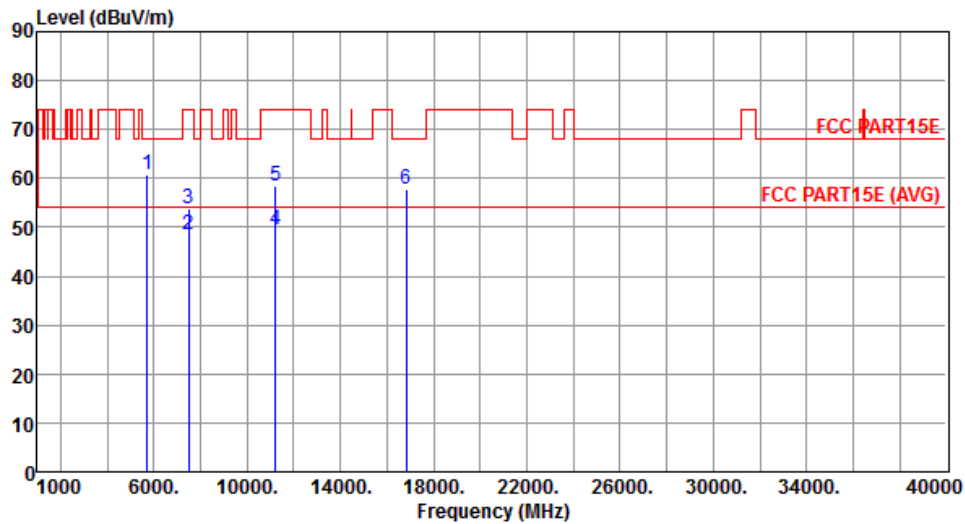
|   | Freq.<br>MHz | Emission<br>level<br>dBUV/m | Limit<br>dBUV/m | Margin<br>dB | SA<br>reading<br>dBUV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 60.61                       | 68.20           | -7.59        | 53.70                 | 6.91         | Peak    | 156               | 313                  |
| 2 | 7480.00      | 45.01                       | 54.00           | -8.99        | 33.70                 | 11.31        | Average | 103               | 289                  |
| 3 | 7480.00      | 53.13                       | 74.00           | -20.87       | 41.82                 | 11.31        | Peak    | 103               | 289                  |
| 4 | 11220.00     | 45.99                       | 54.00           | -8.01        | 29.30                 | 16.69        | Average | 100               | 219                  |
| 5 | 11220.00     | 57.95                       | 74.00           | -16.05       | 41.26                 | 16.69        | Peak    | 100               | 219                  |
| 6 | 16830.00     | 57.36                       | 68.20           | -10.84       | 39.76                 | 17.60        | Peak    | 100               | 75                   |

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT80    | Test Freq. (MHz)   | 5610 |
| Polarization | Vertical | Test Configuration | 1    |



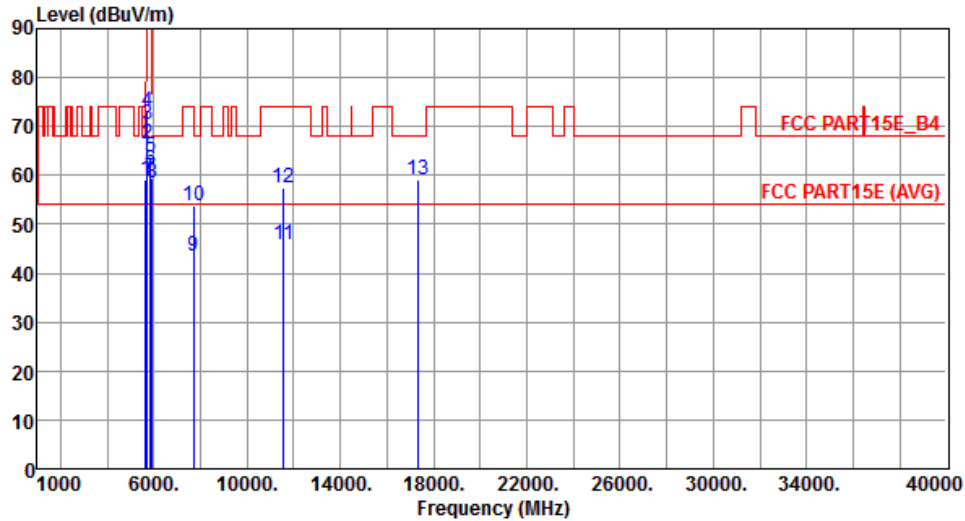
|   | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00      | 60.77                       | 68.20           | -7.43        | 53.86                 | 6.91         | Peak    | 252               | 20                   |
| 2 | 7480.00      | 48.45                       | 54.00           | -5.55        | 37.14                 | 11.31        | Average | 279               | 174                  |
| 3 | 7480.00      | 53.69                       | 74.00           | -20.31       | 42.38                 | 11.31        | Peak    | 279               | 174                  |
| 4 | 11220.00     | 49.43                       | 54.00           | -4.57        | 32.74                 | 16.69        | Average | 315               | 224                  |
| 5 | 11220.00     | 58.60                       | 74.00           | -15.40       | 41.91                 | 16.69        | Peak    | 315               | 224                  |
| 6 | 16830.00     | 57.72                       | 68.20           | -10.48       | 40.12                 | 17.60        | Peak    | 100               | 80                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |            |                    |      |
|--------------|------------|--------------------|------|
| Modulation   | VHT80      | Test Freq. (MHz)   | 5775 |
| Polarization | Horizontal | Test Configuration | 1    |



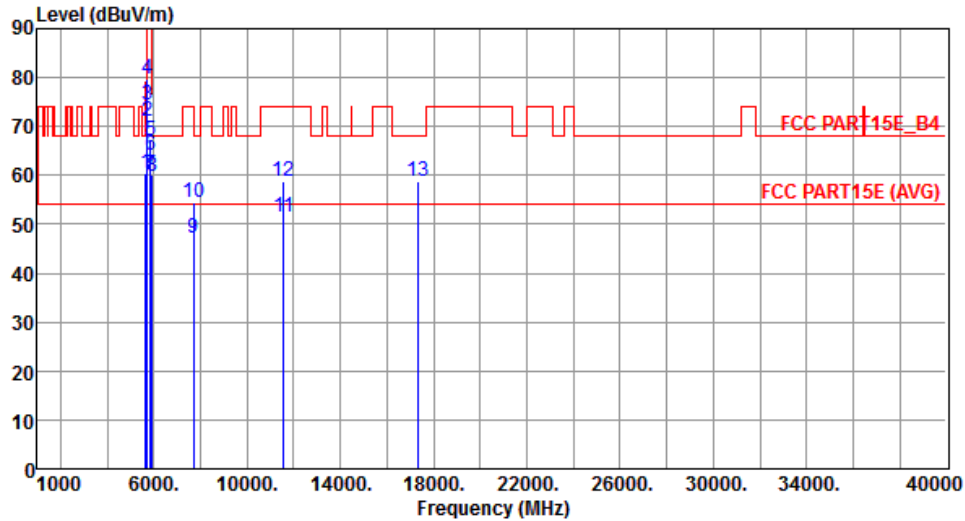
|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 58.97                       | 68.20           | -9.23        | 52.17                 | 6.80         | Peak    | 131               | 313                  |
| 2  | 5700.00      | 66.59                       | 105.20          | -38.61       | 59.71                 | 6.88         | Peak    | 131               | 313                  |
| 3  | 5720.00      | 70.55                       | 110.80          | -40.25       | 63.64                 | 6.91         | Peak    | 131               | 313                  |
| 4  | 5725.00      | 73.09                       | 122.20          | -49.11       | 66.18                 | 6.91         | Peak    | 131               | 313                  |
| 5  | 5850.00      | 63.72                       | 68.20           | -4.48        | 56.62                 | 7.10         | Peak    | 131               | 313                  |
| 6  | 5855.00      | 61.26                       | 110.80          | -49.54       | 54.14                 | 7.12         | Peak    | 131               | 313                  |
| 7  | 5875.00      | 59.54                       | 105.20          | -45.66       | 52.40                 | 7.14         | Peak    | 131               | 313                  |
| 8  | 5925.00      | 58.53                       | 68.20           | -9.67        | 51.32                 | 7.21         | Peak    | 131               | 313                  |
| 9  | 7700.00      | 43.43                       | 54.00           | -10.57       | 32.03                 | 11.40        | Average | 100               | 336                  |
| 10 | 7700.00      | 53.65                       | 74.00           | -20.35       | 42.25                 | 11.40        | Peak    | 100               | 336                  |
| 11 | 11550.00     | 45.97                       | 54.00           | -8.03        | 29.45                 | 16.52        | Average | 100               | 218                  |
| 12 | 11550.00     | 57.50                       | 74.00           | -16.50       | 40.98                 | 16.52        | Peak    | 100               | 218                  |
| 13 | 17325.00     | 58.99                       | 68.20           | -9.21        | 40.14                 | 18.85        | Peak    | 100               | 50                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

|              |          |                    |      |
|--------------|----------|--------------------|------|
| Modulation   | VHT80    | Test Freq. (MHz)   | 5775 |
| Polarization | Vertical | Test Configuration | 1    |



|    | Freq.<br>MHz | Emission<br>level<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | SA<br>reading<br>dBuV | Factor<br>dB | Remark  | ANT<br>High<br>cm | Turn<br>Table<br>deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1  | 5650.00      | 60.58                       | 68.20           | -7.62        | 53.78                 | 6.80         | Peak    | 243               | 9                    |
| 2  | 5700.00      | 71.08                       | 105.20          | -34.12       | 64.20                 | 6.88         | Peak    | 243               | 9                    |
| 3  | 5720.00      | 74.50                       | 110.80          | -36.30       | 67.59                 | 6.91         | Peak    | 243               | 9                    |
| 4  | 5725.00      | 79.59                       | 122.20          | -42.61       | 72.68                 | 6.91         | Peak    | 243               | 9                    |
| 5  | 5850.00      | 67.08                       | 122.20          | -55.12       | 59.98                 | 7.10         | Peak    | 243               | 9                    |
| 6  | 5855.00      | 63.97                       | 110.80          | -46.83       | 56.85                 | 7.12         | Peak    | 243               | 9                    |
| 7  | 5875.00      | 60.10                       | 105.20          | -45.10       | 52.96                 | 7.14         | Peak    | 243               | 9                    |
| 8  | 5925.00      | 59.62                       | 68.20           | -8.58        | 52.41                 | 7.21         | Peak    | 243               | 9                    |
| 9  | 7700.00      | 47.13                       | 54.00           | -6.87        | 35.73                 | 11.40        | Average | 265               | 224                  |
| 10 | 7700.00      | 54.38                       | 74.00           | -19.62       | 42.98                 | 11.40        | Peak    | 265               | 224                  |
| 11 | 11550.00     | 51.48                       | 54.00           | -2.52        | 34.96                 | 16.52        | Average | 329               | 182                  |
| 12 | 11550.00     | 58.93                       | 74.00           | -15.07       | 42.41                 | 16.52        | Peak    | 329               | 182                  |
| 13 | 17325.00     | 58.73                       | 68.20           | -9.47        | 39.88                 | 18.85        | Peak    | 100               | 65                   |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor\* (dB)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

## 3.6 Frequency Stability

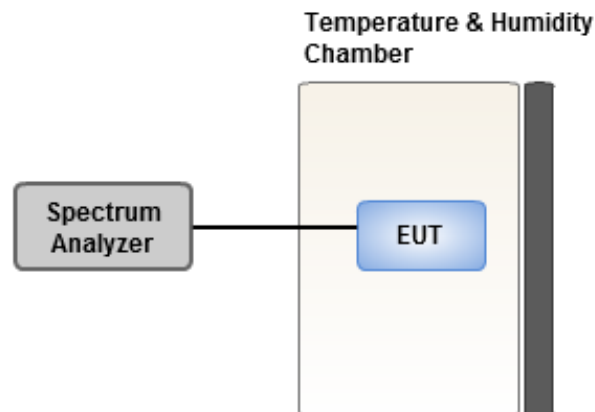
### 3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### 3.6.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under -30 to 60 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.

### 3.6.3 Test Setup



### 3.6.4 Test Result of Frequency Stability

| Frequency:<br>5320 MHz | Frequency Drift (ppm) |                 |           |                 |
|------------------------|-----------------------|-----------------|-----------|-----------------|
| Temperature (°C)       | 0 minute              | 2 minutes       | 5 minutes | 10 minutes      |
| T20°C Vmax             | 5.43                  | 5.50            | 5.16      | 6.11            |
| T20°C Vmin             | 4.38                  | 4.95            | 4.22      | 5.14            |
| T60°C Vnom             | 3.78                  | 4.01            | 3.54      | 4.45            |
| T50°C Vnom             | 3.11                  | 3.06            | 3.20      | 3.31            |
| T40°C Vnom             | 2.95                  | 2.92            | 3.46      | 3.58            |
| T30°C Vnom             | 2.64                  | 2.91            | 3.19      | 3.14            |
| T20°C Vnom             | 2.36                  | 2.37            | 2.64      | 3.03            |
| T10°C Vnom             | 2.84                  | 3.26            | 2.54      | 3.40            |
| T0°C Vnom              | 1.82                  | 1.55            | 2.61      | 1.65            |
| T-10°C Vnom            | 0.45                  | 0.54            | 0.46      | 0.27            |
| T-20°C Vnom            | 0.61                  | 0.39            | 0.45      | 0.88            |
| T-30°C Vnom            | 0.59                  | 1.14            | 1.13      | 0.31            |
| Vnom [Vac]: 120        |                       | Vmax [Vac]: 138 |           | Vmin [Vac]: 102 |
| Tnom [°C]: 20          |                       | Tmax [°C]: 60   |           | Tmin [°C]: -30  |

| Frequency:<br>5785 MHz | Frequency Drift (ppm) |                 |           |                 |
|------------------------|-----------------------|-----------------|-----------|-----------------|
| Temperature (°C)       | 0 minute              | 2 minutes       | 5 minutes | 10 minutes      |
| T20°C Vmax             | 4.91                  | 5.12            | 4.91      | 4.77            |
| T20°C Vmin             | 3.76                  | 4.04            | 3.95      | 3.71            |
| T60°C Vnom             | 3.50                  | 3.27            | 3.48      | 3.91            |
| T50°C Vnom             | 2.98                  | 2.69            | 3.05      | 2.79            |
| T40°C Vnom             | 2.73                  | 2.73            | 3.13      | 2.73            |
| T30°C Vnom             | 2.60                  | 3.08            | 2.84      | 2.95            |
| T20°C Vnom             | 2.33                  | 2.41            | 2.32      | 2.55            |
| T10°C Vnom             | 2.82                  | 3.13            | 3.08      | 2.96            |
| T0°C Vnom              | 1.67                  | 1.25            | 1.62      | 2.22            |
| T-10°C Vnom            | 0.94                  | 1.05            | 1.41      | 1.19            |
| T-20°C Vnom            | 0.22                  | 0.64            | 0.08      | 0.38            |
| T-30°C Vnom            | -0.24                 | 0.34            | -0.03     | -0.32           |
| Vnom [Vac]: 120        |                       | Vmax [Vac]: 138 |           | Vmin [Vac]: 102 |
| Tnom [°C]: 20          |                       | Tmax [°C]: 60   |           | Tmin [°C]: -30  |

## 4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

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