



|                      |                               |
|----------------------|-------------------------------|
| Product Name: Tablet | Report No: FCC2022-06452RF4   |
| Product Model: T20   | Security Classification: Open |
| Version: V1.0        | Total Page: 159               |

## TIRT Testing Report

|              |             |              |  |
|--------------|-------------|--------------|--|
| Prepared By: | Checked By: | Approved By: |  |
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| Stone Tang   | Randy Lv    | Daniel Chen  |  |

# RF TEST REPORT

**FCC ID: 2AX4YT20**

According to

## **47 CFR FCC Part 15, Subpart E(Section 15.407)**

Equipment : Tablet  
: T20, T20Pro, T20S , T20E  
Model No. All models are with same schematic, The only differences are model no.  
T20 is main test model, T20Pro, T20S , T20E is the adding model. No  
other differences.  
Trademark : DOOGEE  
Product No. : 20221220021902  
Applicant : Shenzhen DOOGEE Hengtong Technology CO.,LTD

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.
- Test Date: 2022.12.13-2023.1.8

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## History of this test report

Original Report Issue Date: 2023.01.09

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

| Attachment No. | Issue Date | Description |
|----------------|------------|-------------|
|                |            |             |
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## 1. General Information

### 1.1 Applicant

Shenzhen DOOGEE Hengtong Technology CO.,LTD

B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No.22, Longhua New District, Shenzhen, China

### 1.2 Manufacturer

Shenzhen DOOGEE Hengtong Technology CO.,LTD

B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No.22, Longhua New District, Shenzhen, China

### 1.3 Basic Description of Equipment Under Test

|                                  |                                                                                                                                                                                             |                  |                                                           |                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------|---------------------|
| Equipment Name                   | Tablet                                                                                                                                                                                      |                  |                                                           |                     |
| Model Number                     | T20, T20Pro, T20S, T20E<br><br>All models are with same schematic, The only differences are model no. T20 is main test model, T20Pro, T20S, T20E is the adding model. No other differences. |                  |                                                           |                     |
| Trademark                        | DOOGEE                                                                                                                                                                                      |                  |                                                           |                     |
| Power Supply                     | Input: 100~240V, 50/60Hz                                                                                                                                                                    |                  |                                                           |                     |
| Operating Temperature            | 0℃-40℃                                                                                                                                                                                      |                  |                                                           |                     |
| EUT Stage                        | <input type="radio"/> Product Unit                                                                                                                                                          |                  | <input checked="" type="radio"/> Final-Sample             |                     |
| Operating Band                   | 5150MHz ~5250MHz<br>5725MHz ~5850MHz                                                                                                                                                        |                  | <input checked="" type="radio"/> IEEE 802.11a/n/ac(20MHz) |                     |
|                                  |                                                                                                                                                                                             |                  | <input checked="" type="radio"/> IEEE 802.11n/ac(40MHz)   |                     |
|                                  |                                                                                                                                                                                             |                  | <input checked="" type="radio"/> IEEE 802.11ac(80MHz)     |                     |
| Product Type                     | IEEE 802.11a: WLAN (1TX, 1RX)<br>IEEE 802.11n: WLAN (1TX, 1RX)<br>IEEE 802.11ac: WLAN (1TX, 1RX)                                                                                            |                  |                                                           |                     |
| Nominal Bandwidth                | 20MHz / 40MHz / 80MHz                                                                                                                                                                       |                  |                                                           |                     |
| Modulation                       | IEEE 802.11a: OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>IEEE 802.11n: (BPSK / QPSK / 16QAM / 64QAM)<br>IEEE 802.11ac: (BPSK / QPSK / 16QAM / 64QAM / 256QAM)                                    |                  |                                                           |                     |
| Data Rate (Mbps)                 | IEEE 11a mode : OFDM (6/9/12/18/24/36/48/54)<br>IEEE 11n mode : MCS0~MCS7<br>IEEE 11ac mode : MCS0~MCS9                                                                                     |                  |                                                           |                     |
| Type of Device                   | Client device without Radar detection                                                                                                                                                       |                  |                                                           |                     |
| TPC Function                     | <input type="radio"/>                                                                                                                                                                       | With TPC         | <input checked="" type="radio"/>                          | Without TPC         |
| Beamforming Function             | <input type="radio"/>                                                                                                                                                                       | With Beamforming | <input checked="" type="radio"/>                          | Without Beamforming |
| DFS Function<br>(Client devices) | N/A                                                                                                                                                                                         |                  |                                                           |                     |

|               |       |              |
|---------------|-------|--------------|
| Antenna Type: | ANT 1 | PIFA Antenna |
| Antenna Gain: | ANT 1 | 0.23 dBi     |

Note:

All model:

Only the model V Max was tested, All the EUTs have the same wifi module and antenna,the only difference between them is the software function for seminal vesical measurement and testis measurement, so select V Max as the test model to cover the other EUTs.

| Channel Information   |                           |                     |                |
|-----------------------|---------------------------|---------------------|----------------|
| Frequency Range (MHz) | IEEE Std. 802.11          | Ch. Frequency (MHz) | Channel Number |
| 5150-5250             | 802.11a /n /ac<br>(20MHz) | 5180-5240           | 36-48          |
| 5725-5850             |                           | 5745-5825           | 149-165        |
| 5150-5250             | 802.11n /ac<br>(40MHz)    | 5190-5230           | 38-46          |
| 5725-5850             |                           | 5755-5795           | 151-159        |
| 5150-5250             | 802.11ac<br>(80MHz)       | 5210                | 42             |
| 5725-5850             |                           | 5775                | 155            |

## 1.4 Description Of Support Units

| Description     | Manufacturer | Model No. | Serial Number | FCC ID       | Supplied by |
|-----------------|--------------|-----------|---------------|--------------|-------------|
| Wireless Router | N/A          | N/A       | N/A           | KA2IRX5460A1 | Lab         |

## 2. Summary of Test Results

### 2.1 Summary of Test Items

| 47 CFR FCC Part 15, Subpart E                |                                     |            |                                                                                |
|----------------------------------------------|-------------------------------------|------------|--------------------------------------------------------------------------------|
| Test item                                    | FCC Clause                          | Results    | Remarks                                                                        |
| AC Power Conducted Emission                  | 15.207<br>15.407(b)                 | Pass       | Meet the requirement of the limit                                              |
| Radiated Emission                            | 15.205(a)<br>15.209(a)<br>15.407(b) | Pass       | Meet the requirement of the limit                                              |
| Antenna Requirements                         | 15.203                              | Compliance | The EUT has 2 internal PCB antennas arrangement which was permanently attached |
| Transmission in the Absence of Data          | 15.407 (c)                          | N/A        | NA                                                                             |
| Spectrum Bandwidth                           | 15.407(a)<br>15.407(e)              | Pass       | Meet the requirement of the limit                                              |
| Conducted Power                              | 15.407(a)                           | Pass       | Meet the requirement of the limit                                              |
| Power Spectral Density                       | 15.407(a)                           | Pass       | Meet the requirement of the limit                                              |
| Dynamic Frequency Selection (DFS)            | 15.407(h)                           | N/A        | N/A                                                                            |
| Note: NA denotes Not Applicable in this part |                                     |            |                                                                                |

## 2.2 Application of Standard

47 CFR FCC Part 15, Subpart E

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02

ANSI C63.10:2013

## 2.3 Test Instruments

| No.                      | Equipment              | Manufacturer    | Type No.        | Serial No. | Calibrated until |
|--------------------------|------------------------|-----------------|-----------------|------------|------------------|
| Nominal Centre Frequency |                        |                 |                 |            |                  |
| 1                        | Spectrum Analyzer      | Agilent         | N9010A          | MY52221119 | 2023/11/08       |
| 2                        | Power Collection Unit  | Tonscend        | JS0806-2        | 188060134  | 2023/11/08       |
| 3                        | Tonscend Test System   | Tonscend        | EN301893 V2.1.1 | NA         | NA               |
| 4                        | Temp&Humidity Recorder | Anymetre        | JR900           | NA         | 2023/11/08       |
| 5                        | Temp&Humidity Chamber  | ETOMA           | NTH1100-30 A    | 16080628   | 2023/11/08       |
| 6                        | Spectrum Analyzer      | Rohde & Schwarz | FSV30           | 103741     | 2023/11/08       |
| 7                        | Integral antenna       | SCHWARZBECK     | VULB9163        | 9163-868   | 2023/11/08       |
| 8                        | Broadband Horn Antenna | SCHWARZBECK     | BBHA 9120D      | 9120D-123  | 2023/11/08       |
| 9                        | Horn antenna           | SCHWARZBECK     | BBHA 9170       | 9170#685   | 2023/11/08       |
| 10                       | Broadband amplifier    | SCHWARZBECK     | BBV9745         | 9745#46    | 2023/11/08       |

## 2.4 Operation Mode

The EUT was supplied by and it was run in TX mode that was controlled by client provided RF testing program.

The EUT was transmitted continuously during the test. The worst case test result was showed in the report.

## 2.5 Test Condition

| Applicable to               | Environmental conditions | Input Power | Tested by  |
|-----------------------------|--------------------------|-------------|------------|
| AC Power Conducted Emission | 24.6°C, 56 % RH          | 120V AC     | Stone Tang |
| Radiated Emission           | 24.2°C, 55 % RH          | 120V AC     | Stone Tang |
| Spectrum Bandwidth          | 24.6°C, 55 % RH          | 120V AC     | Stone Tang |
| Conducted Power             | 24.7°C, 56 % RH          | 120V AC     | Stone Tang |
| Power Spectral Density      | 24.6°C, 56 % RH          | 120V AC     | Stone Tang |
| Frequency Stability         | 20.0°C, 56 % RH          | 120V AC     | Stone Tang |

The applicant declare the operating environment of EUT as below:

Normal conditions: 120V AC ,15~35°C

## 2.6 Duty Cycle of Test Signal

Please Refer to Appendix for Details.

## 2.7 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

| Uncertainty                               |                           |
|-------------------------------------------|---------------------------|
| Parameter                                 | Uncertainty               |
| Occupied Channel Bandwidth                | $\pm 142.12$ KHz          |
| RF power conducted                        | $\pm 0.74$ dB             |
| RF power radiated                         | $\pm 3.25$ dB             |
| Spurious emissions, conducted             | $\pm 1.78$ dB             |
| Spurious emissions, radiated (9KHz~30MHz) | $\pm 2.56$ dB             |
| Spurious emissions, radiated (30MHz~1GHz) | $\pm 4.6$ dB              |
| Spurious emissions, radiated (Above 1GHz) | $\pm 4.9$ dB              |
| Conduction Emissions(150kHz~30MHz)        | $\pm 3.1$ dB              |
| Humidity                                  | $\pm 4.6\%$               |
| Temperature                               | $\pm 0.7^{\circ}\text{C}$ |
| Time                                      | $\pm 1.25\%$              |

## 2.8 Test Location

|                               |                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Company:                      | Beijing TIRT Technology Service Co.,Ltd Shenzhen                                                                   |
| Address:                      | 101, 3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China |
| CNAS Registration Number:     | CNAS L14158                                                                                                        |
| A2LA Registration Number      | 6049.01                                                                                                            |
| FCC Designation Number        | CN1309                                                                                                             |
| Test Firm Registration Number | 825524                                                                                                             |
| Telephone:                    | +86-0755-27087573                                                                                                  |

## 2.9 Deviation from Standards

None

## 2.10 Abnormalities from Standard Conditions

None

### 3. Test Procedure And Results

#### 3.1 AC Power Line Conducted Emission

##### 3.1.1 Limit

| Frequency       | Maximum RF Line Voltage          |                               |
|-----------------|----------------------------------|-------------------------------|
|                 | Quasi-Peak Level<br>dB( $\mu$ V) | Average Level<br>dB( $\mu$ V) |
| 150kHz ~ 500kHz | 66 ~ 56*                         | 56 ~ 46*                      |
| 500kHz ~ 5MHz   | 56                               | 46                            |
| 5MHz ~ 30MHz    | 60                               | 50                            |

Notes: 1. \* Decreasing linearly with logarithm of frequency.

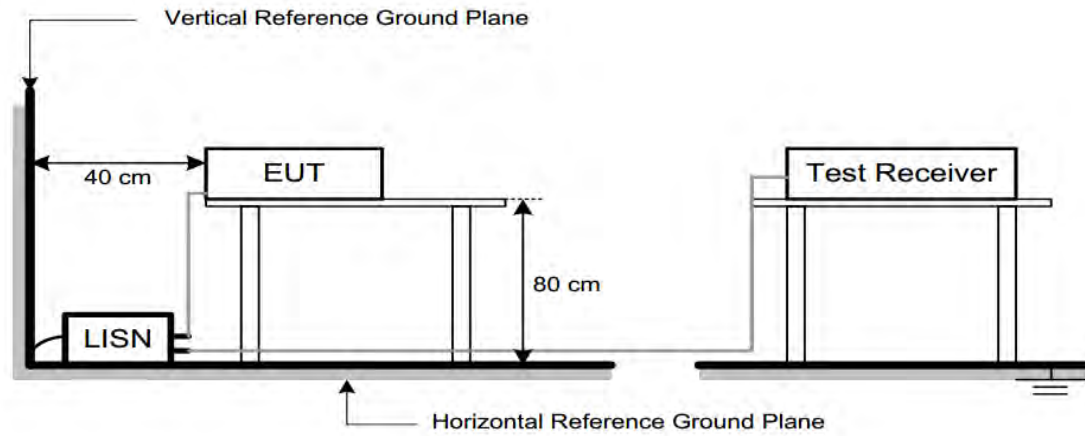
2. The lower limit shall apply at the transition frequencies.

##### 3.1.2 Test Procedure

| Test Method                                                                   |                                                  |
|-------------------------------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="radio"/> Conducted Measurement                        | <input type="radio"/> Radiated Measurement       |
| Test Channels                                                                 |                                                  |
| <input type="radio"/> Lowest, Middle and Highest Channel                      | <input type="radio"/> Lowest and Highest Channel |
| Environmental conditions                                                      |                                                  |
| <input checked="" type="radio"/> Normal                                       | <input type="radio"/> Normal and Extreme         |
| Note: <input checked="" type="radio"/> : Test <input type="radio"/> : No Test |                                                  |

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

### 3.1.3 Test Setup



### 3.1.4 Test Result

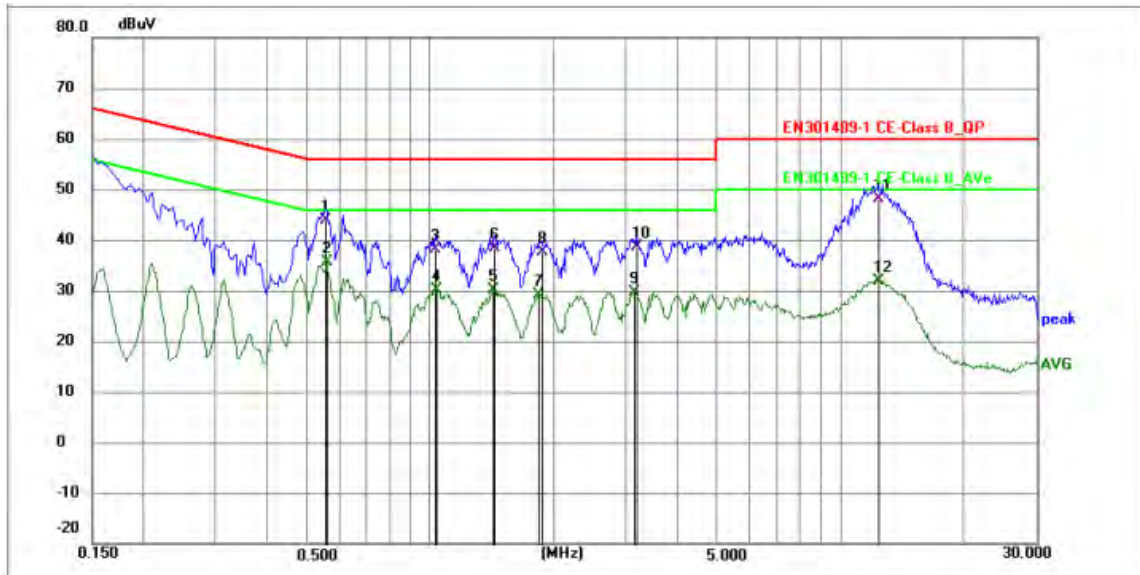
#### Note:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Measurement = Reading + Correct Factor.
3. Over = Measurement - Limit

150kHz~30MHz

Worst Case Operating Mode: Simultaneous transmission

Line

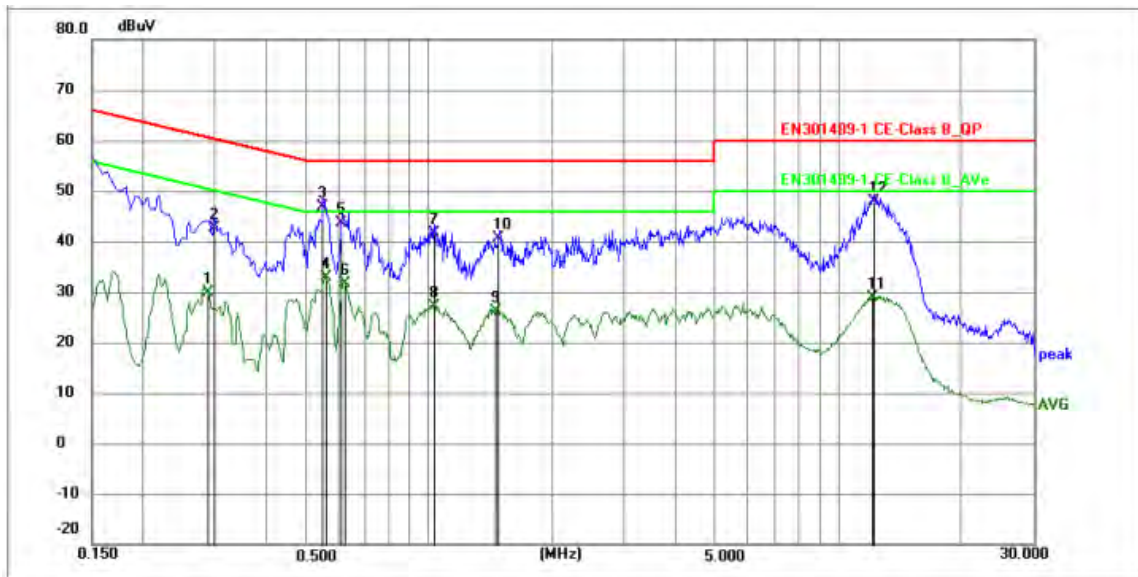


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.5550          | 33.59          | 10.26       | 43.85        | 56.00        | -12.15      | QP       | P   |        |
| 2 * | 0.5595          | 25.33          | 10.26       | 35.59        | 46.00        | -10.41      | AVG      | P   |        |
| 3   | 1.0275          | 27.89          | 10.25       | 38.14        | 56.00        | -17.86      | QP       | P   |        |
| 4   | 1.0365          | 19.93          | 10.25       | 30.18        | 46.00        | -15.82      | AVG      | P   |        |
| 5   | 1.4325          | 20.00          | 10.25       | 30.25        | 46.00        | -15.75      | AVG      | P   |        |
| 6   | 1.4370          | 28.17          | 10.25       | 38.42        | 56.00        | -17.58      | QP       | P   |        |
| 7   | 1.8465          | 18.89          | 10.24       | 29.13        | 46.00        | -16.87      | AVG      | P   |        |
| 8   | 1.8690          | 27.27          | 10.24       | 37.51        | 56.00        | -18.49      | QP       | P   |        |
| 9   | 3.1560          | 19.33          | 10.28       | 29.61        | 46.00        | -16.39      | AVG      | P   |        |
| 10  | 3.1740          | 28.34          | 10.28       | 38.62        | 56.00        | -17.38      | QP       | P   |        |
| 11  | 12.3450         | 37.97          | 10.17       | 48.14        | 60.00        | -11.86      | QP       | P   |        |
| 12  | 12.3450         | 21.82          | 10.17       | 31.99        | 50.00        | -18.01      | AVG      | P   |        |

150kHz~30MHz

Worst Case Operating Mode: Simultaneous transmission

Neutral



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.2878          | 19.64          | 10.14       | 29.78        | 50.59        | -20.81      | AVG      | P   |        |
| 2   | 0.2983          | 32.62          | 10.13       | 42.75        | 60.29        | -17.54      | QP       | P   |        |
| 3 * | 0.5503          | 36.59          | 10.26       | 46.85        | 56.00        | -9.15       | QP       | P   |        |
| 4   | 0.5594          | 22.63          | 10.26       | 32.89        | 46.00        | -13.11      | AVG      | P   |        |
| 5   | 0.6134          | 33.49          | 10.26       | 43.75        | 56.00        | -12.25      | QP       | P   |        |
| 6   | 0.6238          | 21.37          | 10.26       | 31.63        | 46.00        | -14.37      | AVG      | P   |        |
| 7   | 1.0275          | 31.36          | 10.26       | 41.62        | 56.00        | -14.38      | QP       | P   |        |
| 8   | 1.0275          | 16.87          | 10.26       | 27.13        | 46.00        | -18.87      | AVG      | P   |        |
| 9   | 1.4595          | 15.77          | 10.28       | 26.05        | 46.00        | -19.95      | AVG      | P   |        |
| 10  | 1.4819          | 30.24          | 10.28       | 40.52        | 56.00        | -15.48      | QP       | P   |        |
| 11  | 12.1560         | 18.80          | 10.19       | 28.99        | 50.00        | -21.01      | AVG      | P   |        |
| 12  | 12.2010         | 37.79          | 10.19       | 47.98        | 60.00        | -12.02      | QP       | P   |        |

## 3.2 Radiated Emission

### 3.2.1 Limit

#### 1) Limit of radiated emission measurement:

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

| Frequency<br>(MHz) | Distance<br>Meters(m) | Field Strength Limit                            |          |
|--------------------|-----------------------|-------------------------------------------------|----------|
|                    |                       | μV/m                                            | dB(μV)/m |
| 0.009 – 0.49       | 300                   | 2400/F(kHz)                                     | -        |
| 0.490 – 1.705      | 30                    | 24000/F(kHz)                                    | -        |
| 1.705 – 30         | 30                    | 30                                              | -        |
| 30~88              | 3                     | 100                                             | 40.0     |
| 88~216             | 3                     | 150                                             | 43.5     |
| 216~960            | 3                     | 200                                             | 46.0     |
| 960~1000           | 3                     | 500                                             | 54.0     |
| Above 1000         | 3                     | 74.0 dB(μV)/m (Peak)<br>54.0 dB(μV)/m (Average) |          |

Note: (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

#### 2) Limit of unwanted emission out of the restricted bands:

| FREQUENCY/<br>MHz | EIRP Limit<br>(dBm/MHz) | Equivalent Field Strength at 3m<br>(dBμV/m) |
|-------------------|-------------------------|---------------------------------------------|
| 5150-5250         | -27                     | 68.3                                        |
| 5250-5350         | -27                     | 68.3                                        |
| 5470-5725         | -27                     | 68.3                                        |
| 5725-5850         | -27 NOTE (2)            | 68.3                                        |
|                   | 10 NOTE (2)             | 105.3                                       |
|                   | 15.6 NOTE (2)           | 110.9                                       |
|                   | 27 NOTE (2)             | 122.3                                       |

Note: (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to

$$E = \frac{1000000\sqrt{30P}}{3}$$

field strength: μV/m, where P is the eirp (Watts)

(2) According to 15.407(b)(4)(i), 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.

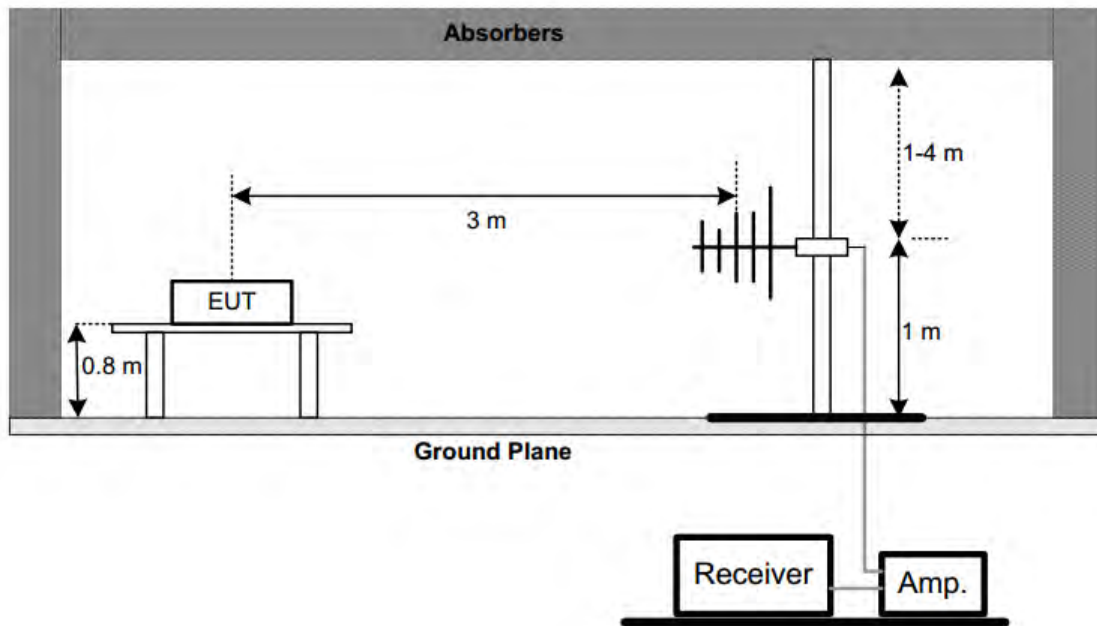
### 3.2.2 Test Procedure

| Test Method                                                                   |                                                       |
|-------------------------------------------------------------------------------|-------------------------------------------------------|
| <input type="radio"/> Conducted Measurement                                   | <input checked="" type="radio"/> Radiated Measurement |
| Test Channels                                                                 |                                                       |
| <input checked="" type="radio"/> Lowest, Middle and Highest Channel           | <input type="radio"/> Lowest and Highest Channel      |
| Environmental conditions                                                      |                                                       |
| <input checked="" type="radio"/> Normal                                       | <input type="radio"/> Normal and Extreme              |
| Note: <input checked="" type="radio"/> : Test <input type="radio"/> : No Test |                                                       |

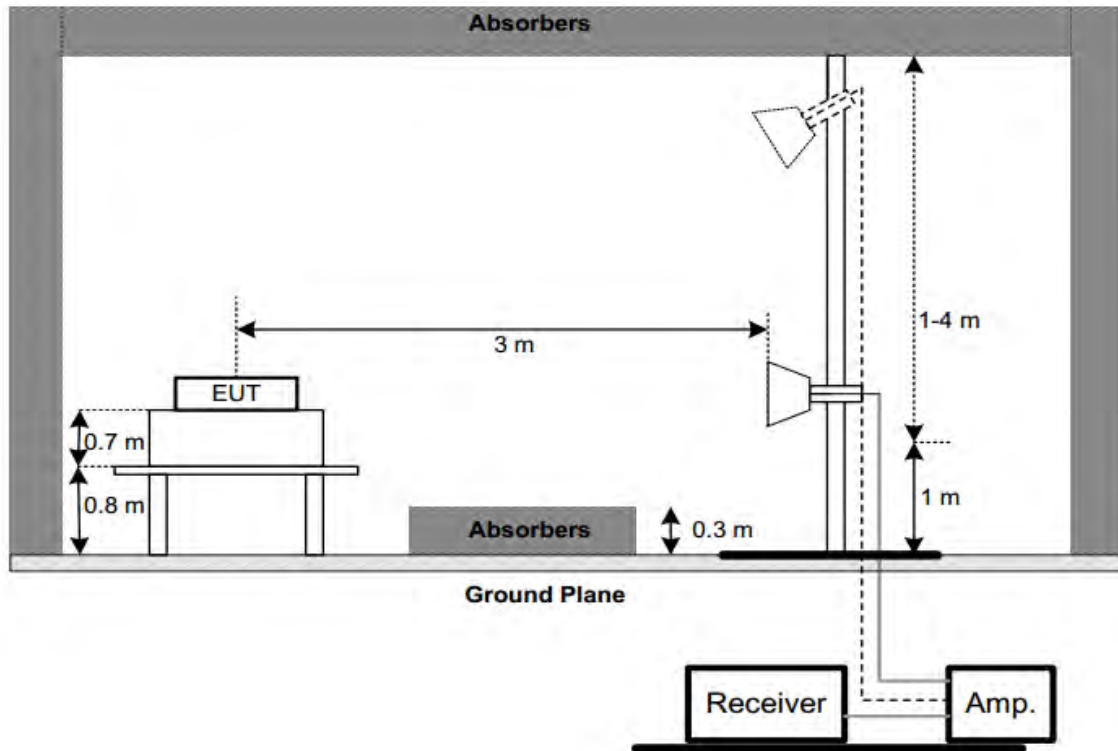
- a) The measuring distance of 3 m shall be used for measurements. The EUT was placed on the
- b) top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The
- c) table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- d) The measuring distance of 3 m or 1.5m shall be used for measurements. The EUT was placed
- e) on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber.
- f) The table was rotated 360 degrees to determine the position of the highest radiation.(above
- g) 1GHz)
- h) The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of
- i) the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of
- j) the antenna are set to make the measurement.
- k) For each suspected emission, the EUT was arranged to its worst case and then the antenna
- l) was tuned to heights find the maximum reading (used Bore sight function).
- m)The receiver system was set to peak and average detect function and specified bandwidth
- n) with maximum hold mode when the test frequency is above 1 GHz.
- o) The initial step in collecting radiated emission data is a receiver peak detector mode
- p) pre-scanning the measurement frequency range. Significant peaks are then marked and then
- q) Quasi Peak detector mode re-measured.
- r) All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the
- s) Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- t) (below 1 GHz)
- u) All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak
- v) Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT
- w) shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured,
- x) but AVG Mode didn't perform. (above 1 GHz)
- y) For the actual test configuration, please refer to the related Item -EUT Test Photos.

### 3.2.3 Test Setup

#### (A) Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



#### (B) Radiated Emission Test Set-Up Frequency Above 1 GHz



#### 3.2.4 Test Result

##### 1) Radiated emission: 9KHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

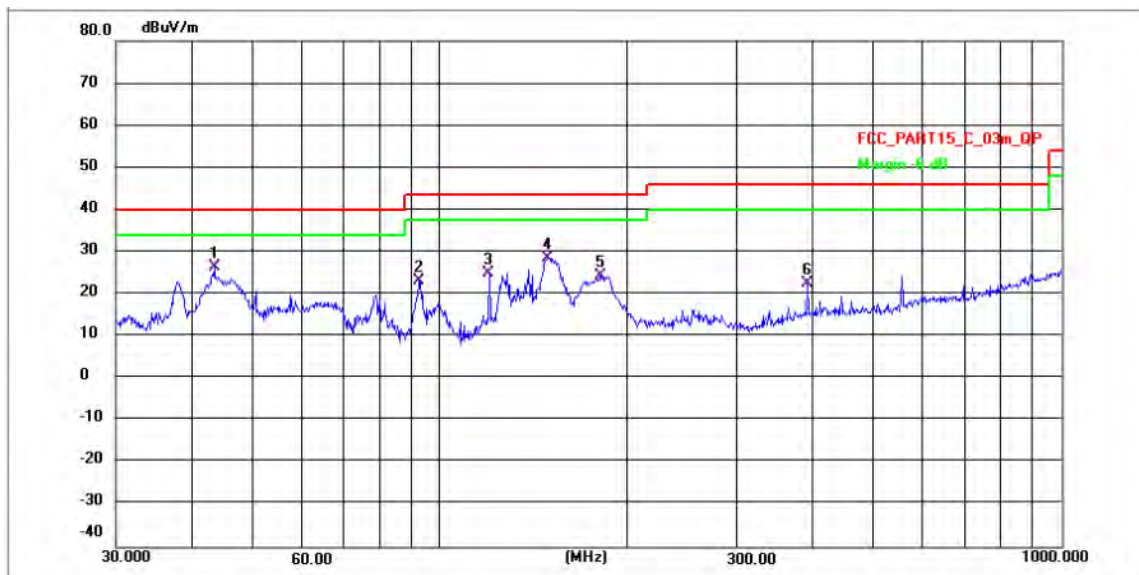
## 2) Radiated emission: 30MHz-1G

### Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement - Limit

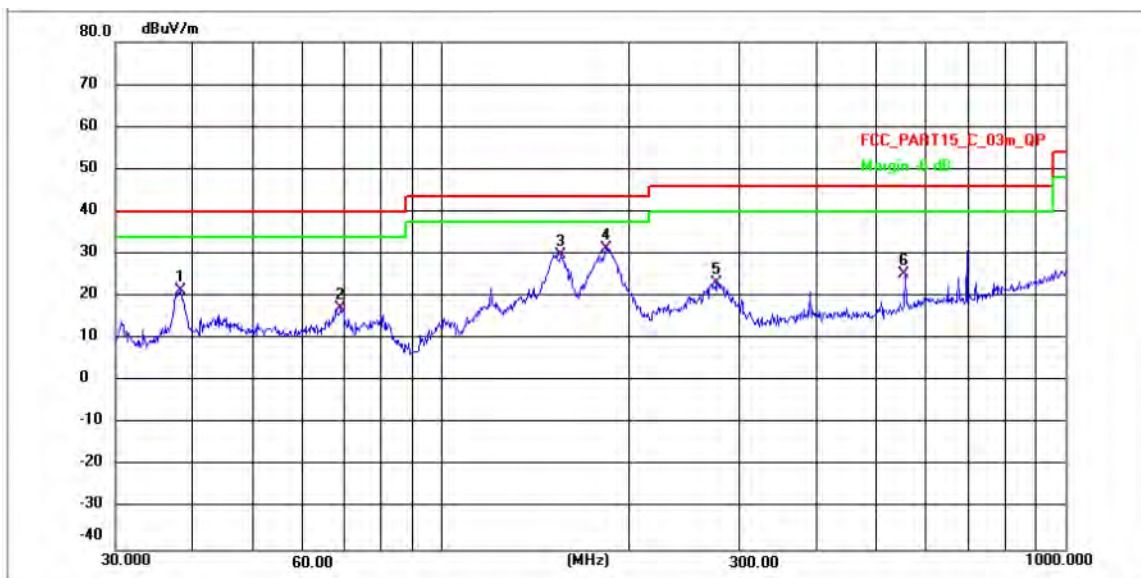
|                       |                  |                 |
|-----------------------|------------------|-----------------|
| Below 1G (30MHz~1GHz) | Test mode: AC 80 | Test Channel:42 |
|-----------------------|------------------|-----------------|

VERTICAL



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 43.2017         | 41.50          | -15.13        | 26.37          | 40.00          | -13.63      | QP       | P   |
| 2   | 92.6247         | 50.86          | -27.81        | 23.05          | 43.50          | -20.45      | QP       | P   |
| 3   | 120.0659        | 52.47          | -27.50        | 24.97          | 43.50          | -18.53      | QP       | P   |
| 4   | 148.9625        | 55.81          | -27.26        | 28.55          | 43.50          | -14.95      | QP       | P   |
| 5   | 181.2834        | 51.54          | -27.13        | 24.41          | 43.50          | -19.09      | QP       | P   |
| 6   | 390.0381        | 48.37          | -25.82        | 22.55          | 46.00          | -23.45      | QP       | P   |

## HORIZONTAL



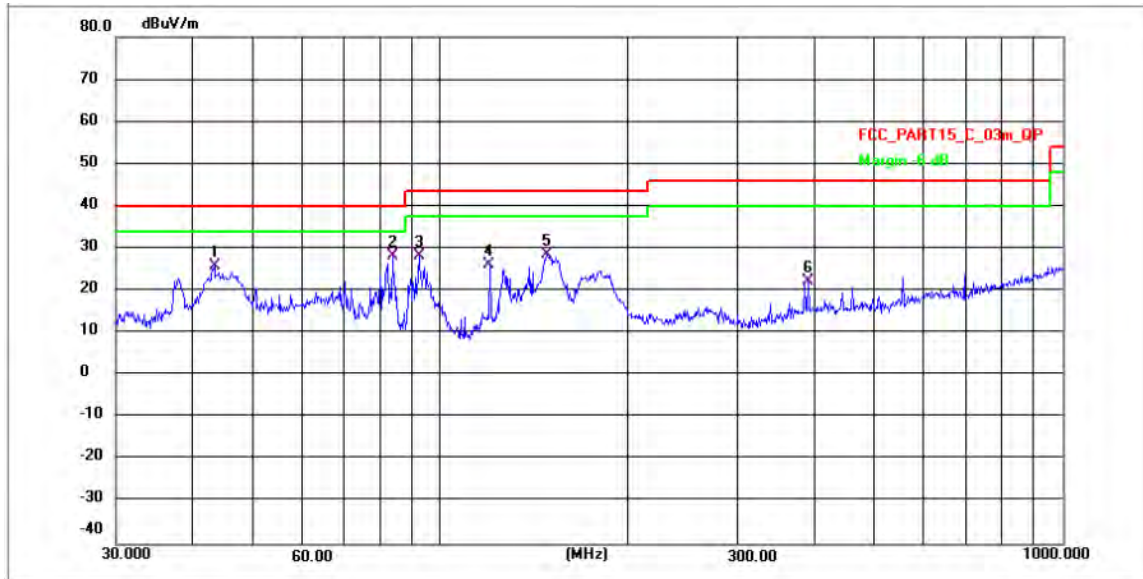
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 38.2120         | 35.80          | -14.51        | 21.29          | 40.00          | -18.71      | QP       | P   |
| 2   | 69.1141         | 31.63          | -14.45        | 17.18          | 40.00          | -22.82      | QP       | P   |
| 3   | 155.3644        | 56.90          | -27.22        | 29.68          | 43.50          | -13.82      | QP       | P   |
| 4 * | 184.1667        | 58.47          | -27.11        | 31.36          | 43.50          | -12.14      | QP       | P   |
| 5   | 276.6081        | 49.82          | -26.56        | 23.26          | 46.00          | -22.74      | QP       | P   |
| 6   | 552.8832        | 50.63          | -25.29        | 25.34          | 46.00          | -20.66      | QP       | P   |

Below 1G (30MHz~1GHz)

Test mode: AC 80

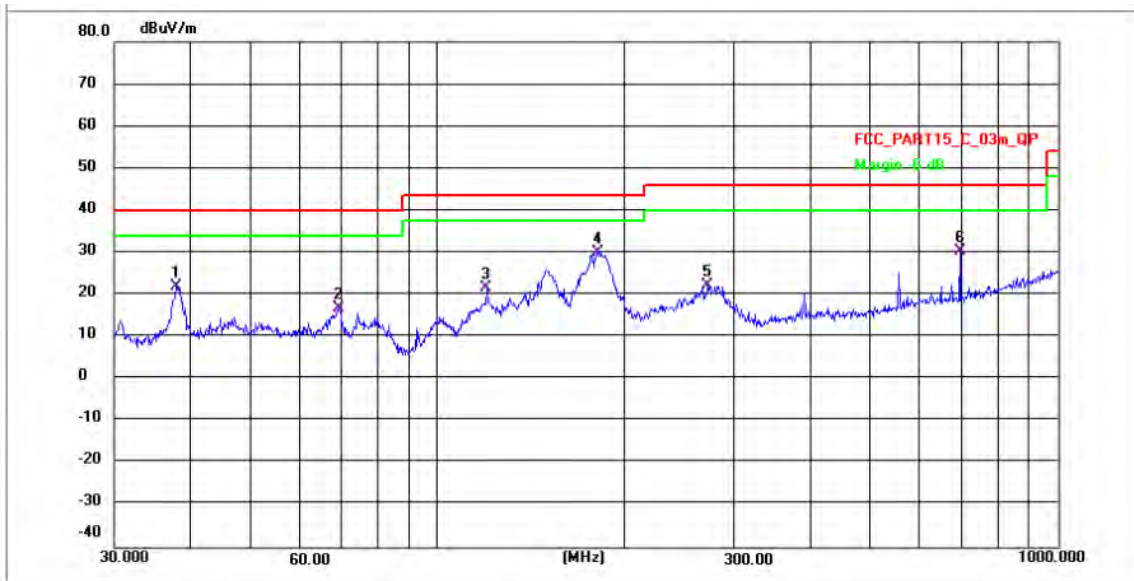
Test Channel:155

VERTICAL



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 43.2017         | 41.12          | -15.13        | 25.99          | 40.00          | -14.01      | QP       | P   |
| 2 * | 83.6688         | 56.01          | -27.86        | 28.15          | 40.00          | -11.85      | QP       | P   |
| 3   | 92.4624         | 56.06          | -27.81        | 28.25          | 43.50          | -15.25      | QP       | P   |
| 4   | 120.0659        | 53.55          | -27.50        | 26.05          | 43.50          | -17.45      | QP       | P   |
| 5   | 148.4410        | 55.70          | -27.26        | 28.44          | 43.50          | -15.06      | QP       | P   |
| 6   | 390.0381        | 48.13          | -25.82        | 22.31          | 46.00          | -23.69      | QP       | P   |

## HORIZONTAL



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 37.8121         | 36.67          | -14.71        | 21.96          | 40.00          | -18.04      | QP       | P   |
| 2   | 69.3568         | 31.28          | -14.44        | 16.84          | 40.00          | -23.16      | QP       | P   |
| 3   | 120.0659        | 49.02          | -27.50        | 21.52          | 43.50          | -21.98      | QP       | P   |
| 4 * | 181.9202        | 57.28          | -27.13        | 30.15          | 43.50          | -13.35      | QP       | P   |
| 5   | 273.2341        | 48.81          | -26.57        | 22.24          | 46.00          | -23.76      | QP       | P   |
| 6   | 696.8567        | 55.00          | -24.79        | 30.21          | 46.00          | -15.79      | QP       | P   |

### 3) Radiated emission: Above 1G

#### Note:

1. Measurement = Reading + Correct Factor.
2. Over = Measurement - Limit

|                       |               |                 |
|-----------------------|---------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11a | Test Channel:36 |
|-----------------------|---------------|-----------------|

#### HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1433.116        | 68.83          | -30.17        | 38.66          | 68.20          | -29.54      | peak     | P   |
| 2   | 2126.308        | 72.20          | -30.68        | 41.52          | 68.20          | -26.68      | peak     | P   |
| 3   | 2999.187        | 74.47          | -30.90        | 43.57          | 68.20          | -24.63      | peak     | P   |
| 4   | 4411.461        | 77.19          | -31.68        | 45.51          | 68.20          | -22.69      | peak     | P   |
| 5   | 6602.265        | 80.34          | -32.17        | 48.17          | 68.20          | -20.03      | peak     | P   |
| 6 * | 10185.534       | 84.79          | -34.56        | 50.23          | 68.20          | -17.97      | peak     | P   |

#### VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1500.948        | 68.51          | -30.40        | 38.11          | 68.20          | -30.09      | peak     | P   |
| 2   | 2204.535        | 71.81          | -31.04        | 40.77          | 68.20          | -27.43      | peak     | P   |
| 3   | 3261.418        | 74.37          | -31.11        | 43.26          | 68.20          | -24.94      | peak     | P   |
| 4   | 4613.592        | 76.80          | -31.68        | 45.12          | 68.20          | -23.08      | peak     | P   |
| 5   | 6602.265        | 79.84          | -32.17        | 47.67          | 68.20          | -20.53      | peak     | P   |
| 6 * | 10484.230       | 83.59          | -35.21        | 48.38          | 68.20          | -19.82      | peak     | P   |

|                       |               |                 |
|-----------------------|---------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11a | Test Channel:40 |
|-----------------------|---------------|-----------------|

#### HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1404.412        | 67.95          | -30.08        | 37.87          | 68.20          | -30.33      | peak     | P   |
| 2   | 2373.157        | 69.55          | -31.45        | 38.10          | 68.20          | -30.10      | peak     | P   |
| 3   | 3593.007        | 73.93          | -31.36        | 42.57          | 68.20          | -25.63      | peak     | P   |
| 4   | 7231.594        | 81.73          | -33.27        | 48.46          | 68.20          | -19.74      | peak     | P   |
| 5   | 10185.534       | 83.79          | -34.56        | 49.23          | 68.20          | -18.97      | peak     | P   |
| 6 * | 11769.214       | 85.39          | -34.36        | 51.03          | 68.20          | -17.17      | peak     | P   |

#### VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1261.971        | 68.39          | -29.59        | 38.80          | 68.20          | -29.40      | peak     | P   |
| 2   | 1955.344        | 71.04          | -30.13        | 40.91          | 68.20          | -27.29      | peak     | P   |
| 3   | 3168.500        | 74.87          | -31.04        | 43.83          | 68.20          | -24.37      | peak     | P   |
| 4   | 4613.592        | 76.80          | -31.68        | 45.12          | 68.20          | -23.08      | peak     | P   |
| 5   | 7231.594        | 81.73          | -33.27        | 48.46          | 68.20          | -19.74      | peak     | P   |
| 6 * | 10729.481       | 84.20          | -34.99        | 49.21          | 68.20          | -18.99      | peak     | P   |

|                       |               |                 |
|-----------------------|---------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11a | Test Channel:48 |
|-----------------------|---------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1500.948        | 67.01          | -30.40        | 36.61          | 68.20          | -31.59      | peak     | P   |
| 2   | 2539.951        | 71.48          | -31.36        | 40.12          | 68.20          | -28.08      | peak     | P   |
| 3   | 3521.042        | 75.08          | -31.31        | 43.77          | 68.20          | -24.43      | peak     | P   |
| 4   | 4613.592        | 76.80          | -31.68        | 45.12          | 68.20          | -23.08      | peak     | P   |
| 5   | 6386.418        | 80.65          | -31.85        | 48.80          | 68.20          | -19.40      | peak     | P   |
| 6 * | 10185.534       | 83.79          | -34.56        | 49.23          | 68.20          | -18.97      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1500.948        | 68.01          | -30.40        | 37.61          | 68.20          | -30.59      | peak     | P   |
| 2   | 2373.157        | 71.55          | -31.45        | 40.10          | 68.20          | -28.10      | peak     | P   |
| 3   | 3396.098        | 75.27          | -31.22        | 44.05          | 68.20          | -24.15      | peak     | P   |
| 4   | 6602.265        | 80.34          | -32.17        | 48.17          | 68.20          | -20.03      | peak     | P   |
| 5   | 9285.710        | 82.76          | -33.25        | 49.51          | 68.20          | -18.69      | peak     | P   |
| 6 * | 12326.274       | 85.74          | -33.93        | 51.81          | 68.20          | -16.39      | peak     | P   |

|                       |               |                  |
|-----------------------|---------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11a | Test Channel:149 |
|-----------------------|---------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1370.329        | 67.45          | -29.96        | 37.49          | 68.20          | -30.71      | peak     | P   |
| 2   | 1955.344        | 72.04          | -30.13        | 41.91          | 68.20          | -26.29      | peak     | P   |
| 3   | 2880.247        | 74.75          | -31.02        | 43.73          | 68.20          | -24.47      | peak     | P   |
| 4   | 4010.130        | 75.12          | -31.60        | 43.52          | 68.20          | -24.68      | peak     | P   |
| 5   | 6053.893        | 78.52          | -31.72        | 46.80          | 68.20          | -21.40      | peak     | P   |
| 6 * | 9558.018        | 82.95          | -33.02        | 49.93          | 68.20          | -18.27      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1158.828        | 69.08          | -29.24        | 39.84          | 68.20          | -28.36      | peak     | P   |
| 2   | 1826.940        | 68.88          | -30.20        | 38.68          | 68.20          | -29.52      | peak     | P   |
| 3   | 3475.541        | 75.19          | -31.28        | 43.91          | 68.20          | -24.29      | peak     | P   |
| 4   | 6602.265        | 79.84          | -32.17        | 47.67          | 68.20          | -20.53      | peak     | P   |
| 5   | 8259.934        | 82.52          | -34.48        | 48.04          | 68.20          | -20.16      | peak     | P   |
| 6 * | 13423.394       | 87.09          | -33.65        | 53.44          | 68.20          | -14.76      | peak     | P   |

|                       |               |                  |
|-----------------------|---------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11a | Test Channel:157 |
|-----------------------|---------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1300.858        | 68.29          | -29.73        | 38.56          | 68.20          | -29.64      | peak     | P   |
| 2   | 2047.895        | 72.43          | -30.32        | 42.11          | 68.20          | -26.09      | peak     | P   |
| 3   | 3342.537        | 73.87          | -31.17        | 42.70          | 68.20          | -25.50      | peak     | P   |
| 4   | 6285.695        | 78.56          | -31.81        | 46.75          | 68.20          | -21.45      | peak     | P   |
| 5   | 8701.046        | 82.67          | -34.23        | 48.44          | 68.20          | -19.76      | peak     | P   |
| 6 * | 12651.128       | 83.30          | -33.87        | 49.43          | 68.20          | -18.77      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1243.865        | 70.27          | -29.53        | 40.74          | 68.20          | -27.46      | peak     | P   |
| 2   | 1845.516        | 69.99          | -30.19        | 39.80          | 68.20          | -28.40      | peak     | P   |
| 3   | 2539.951        | 70.48          | -31.36        | 39.12          | 68.20          | -29.08      | peak     | P   |
| 4   | 3719.815        | 74.87          | -31.43        | 43.44          | 68.20          | -24.76      | peak     | P   |
| 5   | 6386.418        | 79.15          | -31.85        | 47.30          | 68.20          | -20.90      | peak     | P   |
| 6 * | 10729.481       | 83.70          | -34.99        | 48.71          | 68.20          | -19.49      | peak     | P   |

|                       |               |                  |
|-----------------------|---------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11a | Test Channel:165 |
|-----------------------|---------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1185.936        | 70.64          | -29.33        | 41.31          | 68.20          | -26.89      | peak     | P   |
| 2   | 1885.959        | 70.24          | -30.17        | 40.07          | 68.20          | -28.13      | peak     | P   |
| 3   | 3396.098        | 75.77          | -31.22        | 44.55          | 68.20          | -23.65      | peak     | P   |
| 4   | 6386.418        | 80.65          | -31.85        | 48.80          | 68.20          | -19.40      | peak     | P   |
| 5   | 9558.018        | 83.45          | -33.02        | 50.43          | 68.20          | -17.77      | peak     | P   |
| 6 * | 12947.068       | 85.93          | -33.89        | 52.04          | 68.20          | -16.16      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1300.858        | 68.79          | -29.73        | 39.06          | 68.20          | -29.14      | peak     | P   |
| 2   | 1885.959        | 69.74          | -30.17        | 39.57          | 68.20          | -28.63      | peak     | P   |
| 3   | 3261.418        | 73.87          | -31.11        | 42.76          | 68.20          | -25.44      | peak     | P   |
| 4   | 4323.102        | 75.72          | -31.66        | 44.06          | 68.20          | -24.14      | peak     | P   |
| 5   | 6602.265        | 79.84          | -32.17        | 47.67          | 68.20          | -20.53      | peak     | P   |
| 6 * | 9558.018        | 82.95          | -33.02        | 49.93          | 68.20          | -18.27      | peak     | P   |

|                       |                  |                 |
|-----------------------|------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:38 |
|-----------------------|------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1622.774        | 68.04          | -30.33        | 37.71          | 68.20          | -30.49      | peak     | P   |
| 2   | 2528.963        | 71.05          | -31.37        | 39.68          | 68.20          | -28.52      | peak     | P   |
| 3   | 3784.888        | 74.47          | -31.47        | 43.00          | 68.20          | -25.20      | peak     | P   |
| 4   | 6423.443        | 79.11          | -31.87        | 47.24          | 68.20          | -20.96      | peak     | P   |
| 5   | 9139.261        | 82.75          | -33.51        | 49.24          | 68.20          | -18.96      | peak     | P   |
| 6 * | 14038.447       | 86.21          | -32.35        | 53.86          | 68.20          | -14.34      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1352.621        | 68.55          | -29.90        | 38.65          | 68.20          | -29.55      | peak     | P   |
| 2   | 2050.856        | 71.00          | -30.33        | 40.67          | 68.20          | -27.53      | peak     | P   |
| 3   | 3289.821        | 75.90          | -31.13        | 44.77          | 68.20          | -23.43      | peak     | P   |
| 4   | 4790.245        | 78.16          | -31.64        | 46.52          | 68.20          | -21.68      | peak     | P   |
| 5   | 7541.114        | 81.29          | -33.43        | 47.86          | 68.20          | -20.34      | peak     | P   |
| 6 * | 11667.603       | 85.97          | -34.47        | 51.50          | 68.20          | -16.70      | peak     | P   |

|                       |                  |                 |
|-----------------------|------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:46 |
|-----------------------|------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1352.621        | 69.05          | -29.90        | 39.15          | 68.20          | -29.05      | peak     | P   |
| 2   | 1885.959        | 71.56          | -30.17        | 41.39          | 68.20          | -26.81      | peak     | P   |
| 3   | 2880.247        | 76.74          | -31.02        | 45.72          | 68.20          | -22.48      | peak     | P   |
| 4   | 3757.637        | 76.20          | -31.45        | 44.75          | 68.20          | -23.45      | peak     | P   |
| 5   | 6727.477        | 80.68          | -32.49        | 48.19          | 68.20          | -20.01      | peak     | P   |
| 6 * | 9725.221        | 83.79          | -33.45        | 50.34          | 68.20          | -17.86      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1291.492        | 66.22          | -29.70        | 36.52          | 68.20          | -31.68      | peak     | P   |
| 2   | 1885.959        | 68.56          | -30.17        | 38.39          | 68.20          | -29.81      | peak     | P   |
| 3   | 2667.872        | 70.68          | -31.23        | 39.45          | 68.20          | -28.75      | peak     | P   |
| 4   | 3608.619        | 72.97          | -31.37        | 41.60          | 68.20          | -26.60      | peak     | P   |
| 5   | 6222.428        | 77.04          | -31.79        | 45.25          | 68.20          | -22.95      | peak     | P   |
| 6 * | 12344.100       | 83.25          | -33.93        | 49.32          | 68.20          | -18.88      | peak     | P   |

|                       |                  |                  |
|-----------------------|------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:151 |
|-----------------------|------------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1265.624        | 69.12          | -29.60        | 39.52          | 68.20          | -28.68      | peak     | P   |
| 2   | 1921.727        | 72.12          | -30.15        | 41.97          | 68.20          | -26.23      | peak     | P   |
| 3   | 2790.113        | 72.25          | -31.11        | 41.14          | 68.20          | -27.06      | peak     | P   |
| 4   | 3757.637        | 75.20          | -31.45        | 43.75          | 68.20          | -24.45      | peak     | P   |
| 5   | 6659.763        | 80.13          | -32.31        | 47.82          | 68.20          | -20.38      | peak     | P   |
| 6 * | 10980.469       | 83.94          | -34.72        | 49.22          | 68.20          | -18.98      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1291.492        | 67.72          | -29.70        | 38.02          | 68.20          | -30.18      | peak     | P   |
| 2   | 1921.727        | 70.12          | -30.15        | 39.97          | 68.20          | -28.23      | peak     | P   |
| 3   | 3270.858        | 73.43          | -31.12        | 42.31          | 68.20          | -25.89      | peak     | P   |
| 4   | 4667.241        | 76.46          | -31.66        | 44.80          | 68.20          | -23.40      | peak     | P   |
| 5   | 8271.880        | 81.05          | -34.48        | 46.57          | 68.20          | -21.63      | peak     | P   |
| 6 * | 13462.249       | 85.59          | -33.62        | 51.97          | 68.20          | -16.23      | peak     | P   |

|                       |                  |                  |
|-----------------------|------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:159 |
|-----------------------|------------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1252.885        | 68.63          | -29.56        | 39.07          | 68.20          | -29.13      | peak     | P   |
| 2   | 1921.727        | 70.62          | -30.15        | 40.47          | 68.20          | -27.73      | peak     | P   |
| 3   | 3270.858        | 73.93          | -31.12        | 42.81          | 68.20          | -25.39      | peak     | P   |
| 4   | 4633.638        | 76.28          | -31.68        | 44.60          | 68.20          | -23.60      | peak     | P   |
| 5   | 7695.244        | 81.58          | -33.76        | 47.82          | 68.20          | -20.38      | peak     | P   |
| 6 * | 13249.931       | 83.85          | -33.75        | 50.10          | 68.20          | -18.10      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1252.885        | 72.13          | -29.56        | 42.57          | 68.20          | -25.63      | peak     | P   |
| 2   | 2001.084        | 70.85          | -30.11        | 40.74          | 68.20          | -27.46      | peak     | P   |
| 3   | 2855.380        | 75.20          | -31.04        | 44.16          | 68.20          | -24.04      | peak     | P   |
| 4   | 4811.058        | 77.09          | -31.64        | 45.45          | 68.20          | -22.75      | peak     | P   |
| 5   | 7695.244        | 82.08          | -33.76        | 48.32          | 68.20          | -19.88      | peak     | P   |
| 6 * | 12835.288       | 86.96          | -33.89        | 53.07          | 68.20          | -15.13      | peak     | P   |

|                       |                   |                 |
|-----------------------|-------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11ac 80 | Test Channel:42 |
|-----------------------|-------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1192.811        | 68.33          | -29.35        | 38.98          | 68.20          | -29.22      | peak     | P   |
| 2   | 2053.822        | 67.81          | -30.35        | 37.46          | 68.20          | -30.74      | peak     | P   |
| 3   | 3132.079        | 71.73          | -31.00        | 40.73          | 68.20          | -27.47      | peak     | P   |
| 4   | 4386.033        | 72.36          | -31.68        | 40.68          | 68.20          | -27.52      | peak     | P   |
| 5   | 7169.159        | 76.95          | -33.25        | 43.70          | 68.20          | -24.50      | peak     | P   |
| 6 * | 12928.371       | 83.62          | -33.89        | 49.73          | 68.20          | -18.47      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1424.856        | 66.89          | -30.15        | 36.74          | 68.20          | -31.46      | peak     | P   |
| 2   | 2147.927        | 70.47          | -30.78        | 39.69          | 68.20          | -28.51      | peak     | P   |
| 3   | 3256.708        | 74.13          | -31.11        | 43.02          | 68.20          | -25.18      | peak     | P   |
| 4   | 4482.150        | 74.35          | -31.70        | 42.65          | 68.20          | -25.55      | peak     | P   |
| 5   | 8453.153        | 80.90          | -34.54        | 46.36          | 68.20          | -21.84      | peak     | P   |
| 6 * | 12505.705       | 84.14          | -33.85        | 50.29          | 68.20          | -17.91      | peak     | P   |

|                       |                   |                  |
|-----------------------|-------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11ac 80 | Test Channel:155 |
|-----------------------|-------------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1362.430        | 67.53          | -29.93        | 37.60          | 68.20          | -30.60      | peak     | P   |
| 2   | 2107.950        | 70.80          | -30.60        | 40.20          | 68.20          | -28.00      | peak     | P   |
| 3   | 3884.637        | 73.78          | -31.53        | 42.25          | 68.20          | -25.95      | peak     | P   |
| 4   | 6516.947        | 78.50          | -31.94        | 46.56          | 68.20          | -21.64      | peak     | P   |
| 5   | 9126.063        | 82.19          | -33.52        | 48.67          | 68.20          | -19.53      | peak     | P   |
| 6 * | 13423.394       | 86.32          | -33.65        | 52.67          | 68.20          | -15.53      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 1287.764        | 69.72          | -29.68        | 40.04          | 68.20          | -28.16      | peak     | P   |
| 2   | 2001.084        | 73.85          | -30.11        | 43.74          | 68.20          | -24.46      | peak     | P   |
| 3   | 3275.589        | 75.50          | -31.12        | 44.38          | 68.20          | -23.82      | peak     | P   |
| 4   | 4707.887        | 77.27          | -31.66        | 45.61          | 68.20          | -22.59      | peak     | P   |
| 5   | 7584.833        | 81.42          | -33.53        | 47.89          | 68.20          | -20.31      | peak     | P   |
| 6 * | 12687.748       | 86.03          | -33.86        | 52.17          | 68.20          | -16.03      | peak     | P   |

## 4) Band Edge

|                       |                  |                 |
|-----------------------|------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11a 20 | Test Channel:36 |
|-----------------------|------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5106.500        | 80.75          | -31.90        | 48.85          | 68.20          | -19.35      | peak     | P   |
| 2 * | 5150.000        | 82.87          | -32.02        | 50.85          | 68.20          | -17.35      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5075.200        | -4997.13       | 5043.39       | 46.26          | 68.20          | -21.94      | peak     | P   |
| 2 * | 5150.000        | -5067.13       | 5117.98       | 50.85          | 68.20          | -17.35      | peak     | P   |

|                       |                  |                 |
|-----------------------|------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11a 20 | Test Channel:48 |
|-----------------------|------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5350.000        | 42.56          | 0.87          | 43.43          | 68.20          | -24.77      | peak     | P   |
| 2 * | 5460.000        | 44.17          | 0.67          | 44.84          | 68.20          | -23.36      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5350.000        | 47.80          | -0.87         | 46.93          | 68.20          | -21.27      | peak     | P   |
| 2   | 5460.000        | 47.95          | -1.11         | 46.84          | 68.20          | -21.36      | peak     | P   |

|                       |                  |                  |
|-----------------------|------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11a 20 | Test Channel:149 |
|-----------------------|------------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5672.935        | 43.86          | 1.65          | 45.51          | 85.40          | -39.89      | peak     | P   |
| 2   | 5712.590        | 53.09          | 1.75          | 54.84          | 108.88         | -54.04      | peak     | P   |
| 3   | 5722.325        | 62.86          | 1.78          | 64.64          | 116.10         | -51.46      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5674.585        | 41.37          | 4.35          | 45.72          | 86.63          | -40.91      | peak     | P   |
| 2   | 5709.015        | 48.21          | 4.44          | 52.65          | 107.95         | -55.30      | peak     | P   |
| 3   | 5722.325        | 62.16          | 4.48          | 66.64          | 116.10         | -49.46      | peak     | P   |

|                       |                  |                  |
|-----------------------|------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11a 20 | Test Channel:165 |
|-----------------------|------------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5853.600        | 52.95          | 2.12          | 55.07          | 113.99         | -58.92      | peak     | P   |
| 2   | 5860.700        | 47.56          | 2.14          | 49.70          | 109.32         | -59.62      | peak     | P   |
| 3   | 5894.100        | 43.59          | 2.22          | 45.81          | 91.28          | -45.47      | peak     | P   |
| 4 * | 5950.700        | 44.24          | 2.37          | 46.61          | 68.20          | -21.59      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5853.600        | 52.25          | 4.82          | 57.07          | 113.99         | -56.92      | peak     | P   |
| 2   | 5863.300        | 46.36          | 4.84          | 51.20          | 108.64         | -57.44      | peak     | P   |
| 3   | 5895.700        | 43.05          | 4.93          | 47.98          | 90.08          | -42.10      | peak     | P   |
| 4 * | 5945.100        | 42.12          | 5.06          | 47.18          | 68.20          | -21.02      | peak     | P   |

|                       |                  |                 |
|-----------------------|------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:38 |
|-----------------------|------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5129.800        | -5046.74       | 5097.84       | 51.10          | 68.20          | -17.10      | peak     | P   |
| 2 * | 5150.000        | -5066.29       | 5117.98       | 51.69          | 68.20          | -16.51      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5144.800        | -5060.74       | 5112.80       | 52.06          | 68.20          | -16.14      | peak     | P   |
| 2   | 5150.000        | -5067.29       | 5117.98       | 50.69          | 68.20          | -17.51      | peak     | P   |

|                       |                  |                 |
|-----------------------|------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:46 |
|-----------------------|------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5350.000        | 41.92          | 0.87          | 42.79          | 68.20          | -25.41      | peak     | P   |
| 2 * | 5460.000        | 43.79          | 0.67          | 44.46          | 68.20          | -23.74      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5350.000        | 43.66          | -0.87         | 42.79          | 68.20          | -25.41      | peak     | P   |
| 2 * | 5460.000        | 45.57          | -1.11         | 44.46          | 68.20          | -23.74      | peak     | P   |

|                       |                  |                  |
|-----------------------|------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:151 |
|-----------------------|------------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5668.480        | 42.72          | 1.64          | 44.36          | 82.06          | -37.70      | peak     | P   |
| 2   | 5713.580        | 67.38          | 1.76          | 69.14          | 109.13         | -39.99      | peak     | P   |
| 3   | 5721.335        | 68.06          | 1.78          | 69.84          | 113.84         | -44.00      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5694.220        | 50.58          | 4.41          | 54.99          | 101.29         | -46.30      | peak     | P   |
| 2 * | 5713.580        | 61.68          | 4.46          | 66.14          | 109.13         | -42.99      | peak     | P   |
| 3   | 5722.710        | 64.57          | 4.48          | 69.05          | 116.98         | -47.93      | peak     | P   |

|                       |                  |                  |
|-----------------------|------------------|------------------|
| Above 1G (1GHz~40GHz) | Test mode:11n 40 | Test Channel:159 |
|-----------------------|------------------|------------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5853.100        | 54.97          | 2.12          | 57.09          | 115.13         | -58.04      | peak     | P   |
| 2   | 5867.100        | 49.09          | 2.15          | 51.24          | 107.65         | -56.41      | peak     | P   |
| 3   | 5900.100        | 41.17          | 2.24          | 43.41          | 86.79          | -43.38      | peak     | P   |
| 4 * | 5955.000        | 42.51          | 2.38          | 44.89          | 68.20          | -23.31      | peak     | P   |

## VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5852.200        | 52.09          | 4.82          | 56.91          | 117.18         | -60.27      | peak     | P   |
| 2   | 5864.300        | 47.73          | 4.85          | 52.58          | 108.38         | -55.80      | peak     | P   |
| 3   | 5893.300        | 41.12          | 4.92          | 46.04          | 91.87          | -45.83      | peak     | P   |
| 4 * | 5956.000        | 38.65          | 5.09          | 43.74          | 68.20          | -24.46      | peak     | P   |

|                       |                   |                 |
|-----------------------|-------------------|-----------------|
| Above 1G (1GHz~40GHz) | Test mode:11ac 80 | Test Channel:42 |
|-----------------------|-------------------|-----------------|

## HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5139.200        | -5055.27       | 5107.21       | 51.94          | 68.20          | -16.26      | peak     | P   |
| 2   | 5150.000        | -5066.88       | 5117.98       | 51.10          | 68.20          | -17.10      | peak     | P   |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5350.000        | 42.62          | 0.87          | 43.49          | 68.20          | -24.71      | peak     | P   |
| 2   | 5460.000        | 40.39          | 0.67          | 41.06          | 68.20          | -27.14      | peak     | P   |

### VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5114.200        | -5032.15       | 5082.28       | 50.13          | 68.20          | -18.07      | peak     | P   |
| 2 * | 5150.000        | -5066.88       | 5117.98       | 51.10          | 68.20          | -17.10      | peak     | P   |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5350.000        | 46.36          | -0.87         | 45.49          | 68.20          | -22.71      | peak     | P   |
| 2   | 5460.000        | 43.67          | -1.11         | 42.56          | 68.20          | -25.64      | peak     | P   |

Above 1G (1GHz~40GHz)

Test mode:11ac 80

Test Channel:155

### HORIZONTAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5679.425        | 60.97          | 1.67          | 62.64          | 90.25          | -27.61      | peak     | P   |
| 2   | 5712.150        | 60.75          | 1.75          | 62.50          | 108.76         | -46.26      | peak     | P   |
| 3   | 5723.480        | 62.56          | 1.78          | 64.34          | 118.74         | -54.40      | peak     | P   |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5853.100        | 59.15          | 2.12          | 61.27          | 115.13         | -53.86      | peak     | P   |
| 2   | 5861.300        | 60.64          | 2.14          | 62.78          | 109.16         | -46.38      | peak     | P   |
| 3   | 5888.000        | 44.33          | 2.21          | 46.54          | 95.85          | -49.31      | peak     | P   |
| 4 * | 5958.500        | 41.03          | 2.39          | 43.42          | 68.20          | -24.78      | peak     | P   |

### VERTICAL

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1 * | 5679.425        | 53.23          | 4.37          | 57.60          | 90.25          | -32.65      | peak     | P   |
| 2   | 5719.685        | 60.71          | 4.47          | 65.18          | 110.72         | -45.54      | peak     | P   |
| 3   | 5723.920        | 56.83          | 4.48          | 61.31          | 119.74         | -58.43      | peak     | P   |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|
| 1   | 5852.200        | 63.90          | 4.82          | 68.72          | 117.18         | -48.46      | peak     | P   |
| 2   | 5863.900        | 60.60          | 4.85          | 65.45          | 108.48         | -43.03      | peak     | P   |
| 3   | 5896.500        | 43.27          | 4.93          | 48.20          | 89.48          | -41.28      | peak     | P   |
| 4 * | 5959.500        | 40.25          | 5.09          | 45.34          | 68.20          | -22.86      | peak     | P   |

### 3.3 Spectrum Bandwidth

#### 3.3.1 Limit

| FCC Part15, Subpart E (15.407) |                 |                 |                       |
|--------------------------------|-----------------|-----------------|-----------------------|
| Section                        | Test Item       | Limit           | Frequency Range (MHz) |
| 15.407(a)                      | 26 dB Bandwidth | -               | 5150-5250             |
|                                | 26 dB Bandwidth | -               | 5250-5350             |
| 15.407(e)                      | 26 dB Bandwidth | -               | 5470-5725             |
|                                | 6 dB Bandwidth  | Minimum 500 kHz | 5725-5850             |

#### 3.3.2 Test Peripherals

| Support Equipment |              |            |            |                    |
|-------------------|--------------|------------|------------|--------------------|
| No.               | Equipment    | Brand Name | Model Name | Remarks            |
| 1                 | Type-C Cable | AWM        | E101344    | 0.9m, No Shielding |
| 2                 | Record PC    | Lenovo     | M4500T     | NA                 |

#### 3.3.3 Test Procedure

| Test Method                                                         |                                                  |
|---------------------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="radio"/> Conducted Measurement              | <input type="radio"/> Radiated Measurement       |
| Test Channels                                                       |                                                  |
| <input checked="" type="radio"/> Lowest, Middle and Highest Channel | <input type="radio"/> Lowest and Highest Channel |
| Environmental conditions                                            |                                                  |
| <input checked="" type="radio"/> Normal                             | <input type="radio"/> Normal and Extreme         |
| Note: ● : Test    ○ : No Test                                       |                                                  |

a) The EUT shall be connected to the spectrum analyser, and the spectrum analyser is set as follow:

For 26 dB Bandwidth

|                  |                                                    |
|------------------|----------------------------------------------------|
| Centre Frequency | The centre frequency of the channel under test     |
| RBW              | $\geq 1\% \times \text{Nominal Channel Bandwidth}$ |
| VBW              | $\geq 3 \times \text{RBW}$                         |
| Frequency span   | 2 x Nominal Channel Bandwidth                      |
| Detector Mode    | Peak                                               |
| Trace Mode       | Max Hold                                           |
| Sweep Time       | Auto Couple                                        |

For 6 dB Bandwidth

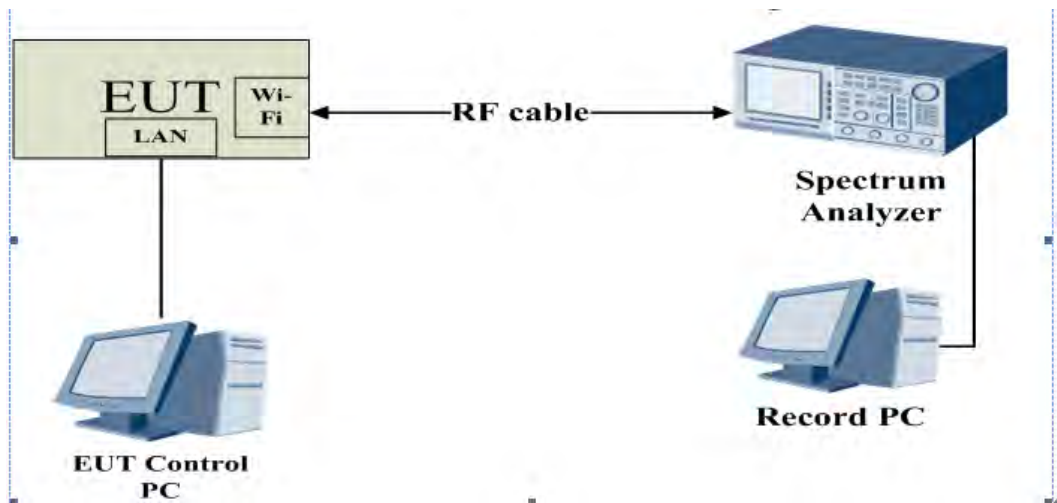
|                  |                                                |
|------------------|------------------------------------------------|
| Centre Frequency | The centre frequency of the channel under test |
| RBW              | 100 kHz                                        |
| VBW              | 300 kHz                                        |
| Frequency span   | 2 x Nominal Channel Bandwidth                  |
| Detector Mode    | Peak                                           |
| Trace Mode       | Max Hold                                       |

Sweep Time

Auto Couple

- b) Wait for the trace to stabilize then find the peak value of the trace and place the analyser marker on this peak.
- c) Use the -26/-6dB bandwidth function of the spectrum analyser to measure the -26/-6dB Bandwidth of the EUT. This value shall be recorded.
- d) Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

### 3.3.4 Test Setup



### 3.3.5 Test Result

#### 3.3.5.1 26 dB Bandwidth

Please Refer to Appendix for Details.

#### 3.3.5.2 6 dB Bandwidth

Please Refer to Appendix for Details.

#### 3.3.5.3 Occupied channel bandwidth

Please Refer to Appendix for Details.

### 3.4 Conducted Output Power

#### 3.4.1 Limit

| FCC Part15, Subpart E (15.407) |                        |                                                              |                       |
|--------------------------------|------------------------|--------------------------------------------------------------|-----------------------|
| Section                        | Test Item              | Limit                                                        | Frequency Range (MHz) |
| 15.407(a)                      | Conducted Output Power | AP device: 1 Watt (30 dBm)<br>Client device: 250 mW (24 dBm) | 5150-5250             |
|                                |                        | 250 mW (24 dBm)                                              | 5250-5350             |
|                                |                        | 250 mW (24 dBm)                                              | 5470-5725             |
|                                |                        | 1 Watt (30dBm)                                               | 5725-5850             |

Note:

a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

#### 3.4.2 Test Peripherals

| Support Equipment |            |            |            |         |
|-------------------|------------|------------|------------|---------|
| No.               | Equipment  | Brand Name | Model Name | Remarks |
| 1                 | Record PC  | Lenovo     | M4500T     | NA      |
| 2                 | Control PC | Lenovo     | M4500T     | NA      |

#### 3.4.3 Test Procedure

| Test Method                                                         |                                                  |
|---------------------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="radio"/> Conducted Measurement              | <input type="radio"/> Radiated Measurement       |
| Test Channels                                                       |                                                  |
| <input checked="" type="radio"/> Lowest, Middle and Highest Channel | <input type="radio"/> Lowest and Highest Channel |
| Environmental conditions                                            |                                                  |
| <input checked="" type="radio"/> Normal                             | <input type="radio"/> Normal and Extreme         |
| Note: ● : Test    ○ : No Test                                       |                                                  |

a) The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.

b) Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

#### 3.4.4 Test Setup



#### 3.4.5 The Result

Please Refer to Appendix for Details.

### 3.5 Power Spectral Density

#### 3.5.1 Limit

| FCC Part15, Subpart E (15.407) |                        |                                                    |                       |
|--------------------------------|------------------------|----------------------------------------------------|-----------------------|
| Section                        | Test Item              | Limit                                              | Frequency Range (MHz) |
| 15.407(a)                      | Power Spectral Density | AP device: 17 dBm/MHz<br>Client device: 11 dBm/MHz | 5150-5250             |
|                                |                        | 11 dBm/MHz                                         | 5250-5350             |
|                                |                        | 11 dBm/MHz                                         | 5470-5725             |
|                                |                        | 30 dBm/500 kHz                                     | 5725-5850             |

#### 3.5.2 Test Peripherals

| Support Equipment |            |            |            |         |
|-------------------|------------|------------|------------|---------|
| No.               | Equipment  | Brand Name | Model Name | Remarks |
| 1                 | Record PC  | Lenovo     | M4500T     | NA      |
| 2                 | Control PC | Lenovo     | M4500T     | NA      |

#### 3.5.3 Test Procedure

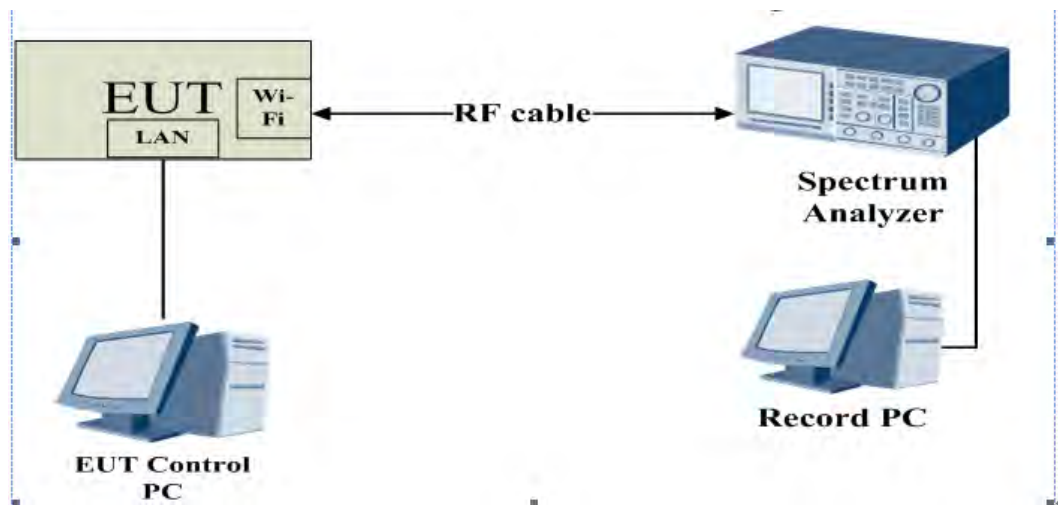
| Test Method                                                         |                                                  |
|---------------------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="radio"/> Conducted Measurement              | <input type="radio"/> Radiated Measurement       |
| Test Channels                                                       |                                                  |
| <input checked="" type="radio"/> Lowest, Middle and Highest Channel | <input type="radio"/> Lowest and Highest Channel |
| Environmental conditions                                            |                                                  |
| <input checked="" type="radio"/> Normal                             | <input type="radio"/> Normal and Extreme         |
| Note: ● : Test    ○ : No Test                                       |                                                  |

- a) The EUT was directly connected to the spectrum analyzer and antenna output port as show in  
b) the block diagram below. Spectrum analyser settings as following:

|                  |                                                |
|------------------|------------------------------------------------|
| Centre Frequency | The centre frequency of the channel under test |
| RBW              | = 1 MHz (Band1/2/3)<br>= 500 KHz (Band4)       |
| VBW              | ≥ 3 x RBW                                      |
| Frequency span   | 2 x Nominal Channel Bandwidth                  |
| Detector Mode    | RMS                                            |
| Trace Mode       | Max Hold                                       |
| Sweep Time       | Auto Couple                                    |

- c) Wait for the trace to stabilize. Use the peak marker function to determine the maximum amplitude level within the RBW.  
d) The value defined in step b shall be compared to the limits and be recorded .

### 3.5.4 Test Setup



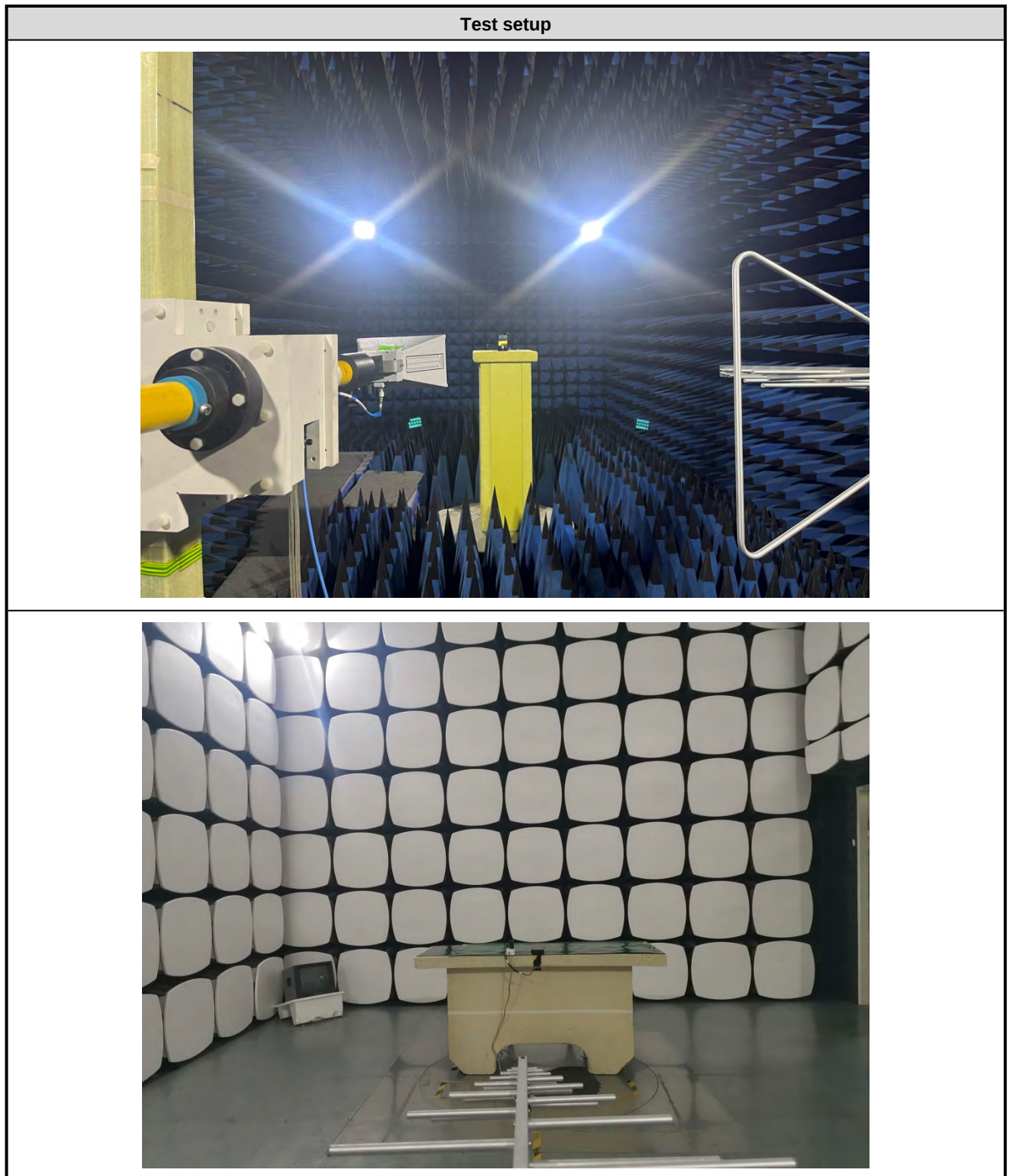
### 3.5.5 The Result

Please Refer to Appendix for Details.

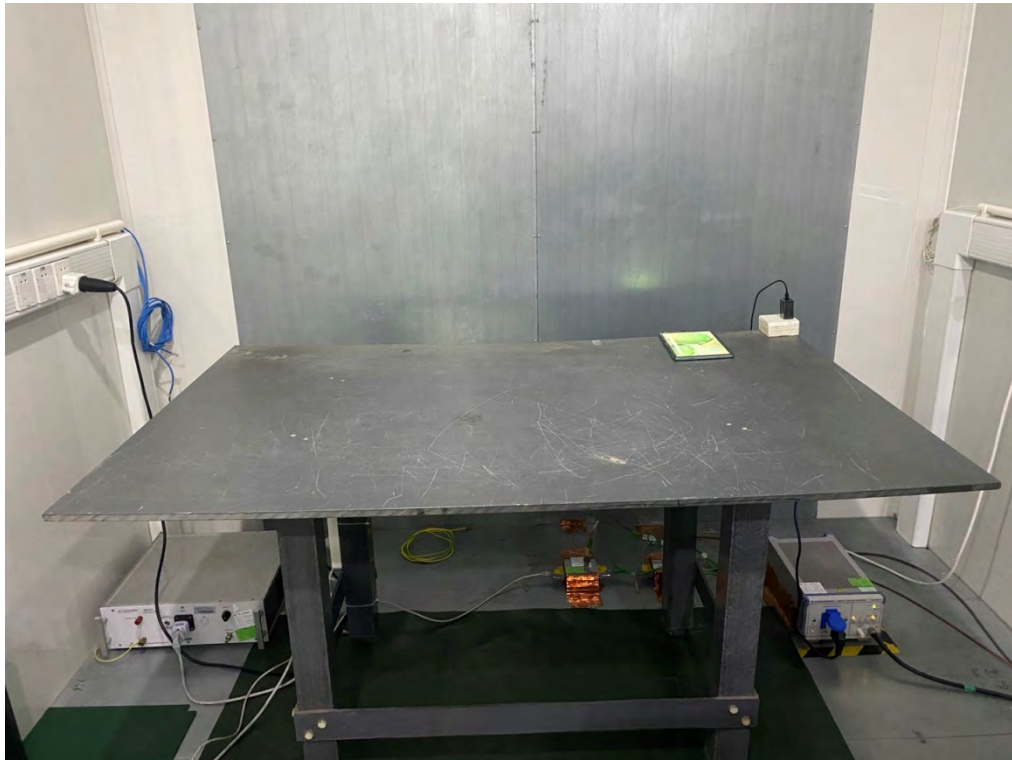
## **4. Photographs of EUT**

Refer to Report No: FCC2022-06452RF1 for EUT external and internal photos.

## 5. Photographs of Test Set-up



CE



# Appendix

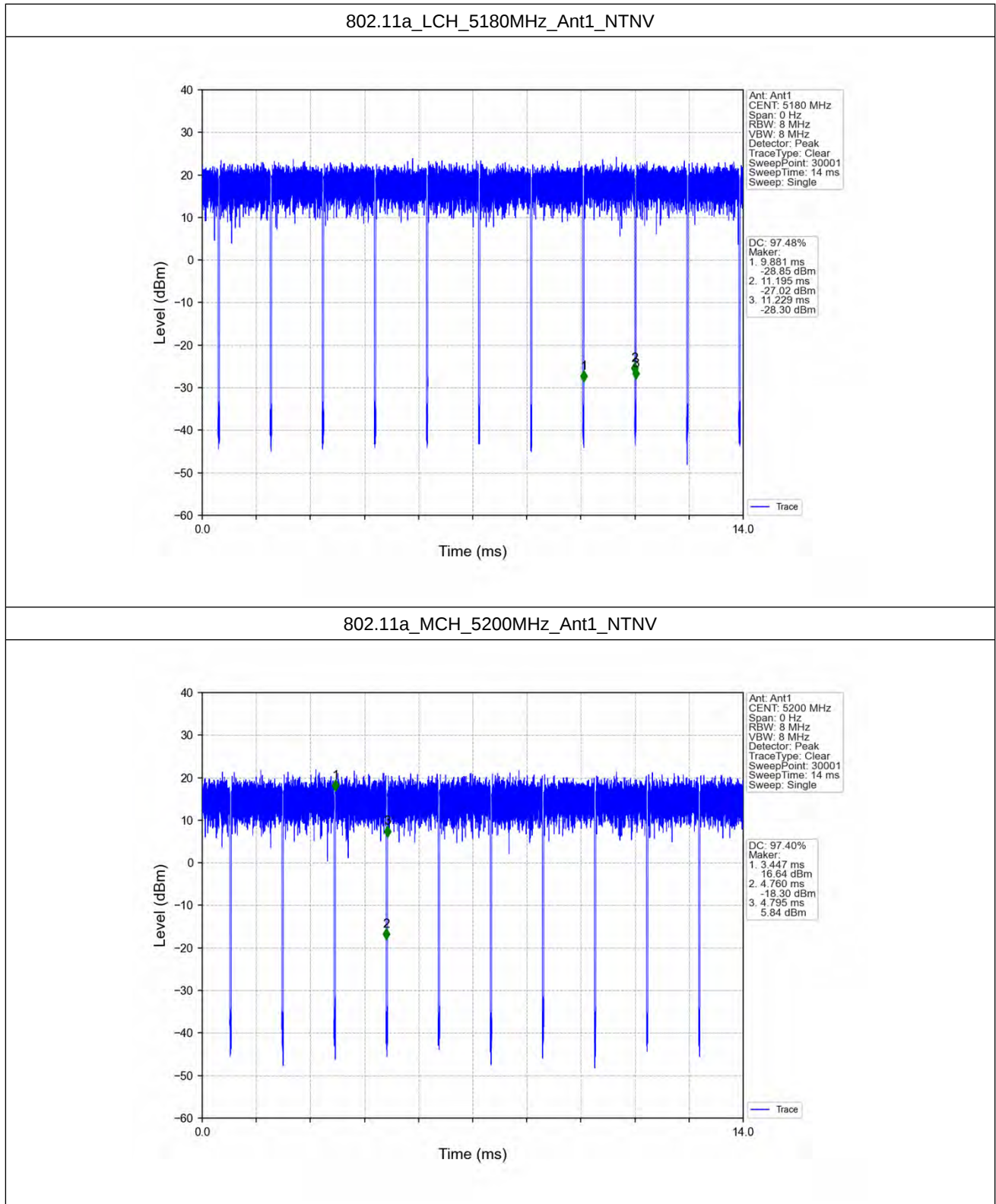
## 1. Duty Cycle

### 1.1 Ant1

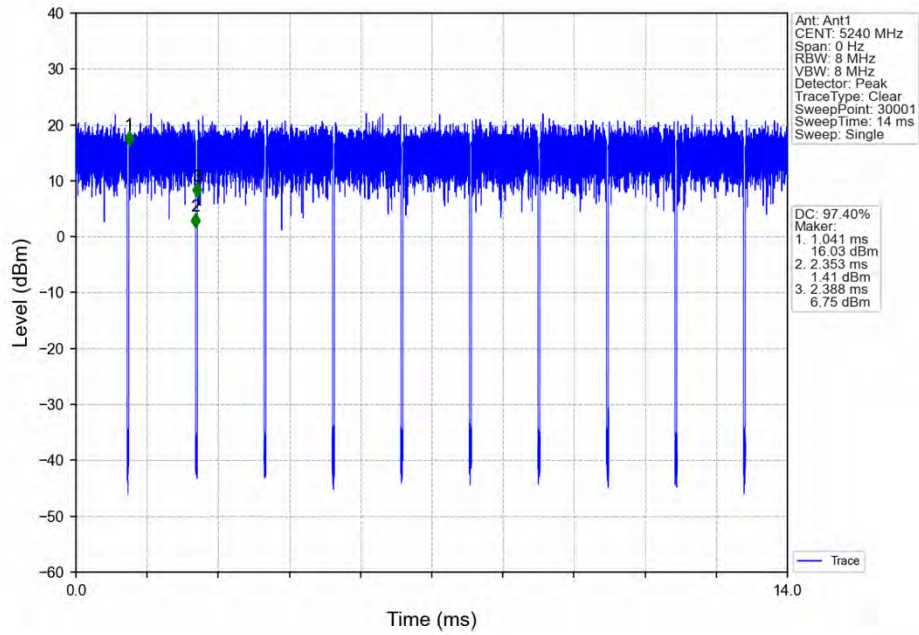
#### 1.1.1 Test Result

| Ant1             |         |                 |           |             |                |                                   |                       |
|------------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode             | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11a          | SISO    | 5180            | 1.314     | 1.348       | 97.48          | 0.11                              | 0.07                  |
|                  |         | 5200            | 1.313     | 1.348       | 97.40          | 0.11                              | 0.03                  |
|                  |         | 5240            | 1.312     | 1.347       | 97.40          | 0.11                              | 0.03                  |
|                  |         | 5745            | 1.313     | 1.348       | 97.40          | 0.11                              | 0.00                  |
|                  |         | 5785            | 1.312     | 1.347       | 97.40          | 0.11                              | 0.03                  |
|                  |         | 5825            | 1.313     | 1.348       | 97.40          | 0.11                              | 0.03                  |
| 802.11n (HT20)   | SISO    | 5180            | 1.300     | 1.335       | 97.38          | 0.12                              | 0.04                  |
|                  |         | 5200            | 1.301     | 1.336       | 97.38          | 0.12                              | 0.03                  |
|                  |         | 5240            | 1.300     | 1.335       | 97.38          | 0.12                              | 0.03                  |
|                  |         | 5745            | 1.300     | 1.336       | 97.31          | 0.12                              | 0.07                  |
|                  |         | 5785            | 1.300     | 1.336       | 97.31          | 0.12                              | 0.07                  |
|                  |         | 5825            | 1.300     | 1.336       | 97.31          | 0.12                              | 0.04                  |
| 802.11n (HT40)   | SISO    | 5190            | 0.649     | 0.683       | 95.02          | 0.22                              | 0.03                  |
|                  |         | 5230            | 0.649     | 0.683       | 95.02          | 0.22                              | 0.03                  |
|                  |         | 5755            | 0.648     | 0.683       | 94.88          | 0.23                              | 0.04                  |
|                  |         | 5795            | 0.648     | 0.683       | 94.88          | 0.23                              | 0.04                  |
| 802.11ac (VHT20) | SISO    | 5180            | 1.288     | 1.324       | 97.28          | 0.12                              | 0.03                  |
|                  |         | 5200            | 1.288     | 1.324       | 97.28          | 0.12                              | 0.03                  |
|                  |         | 5240            | 1.289     | 1.325       | 97.28          | 0.12                              | 0.06                  |
|                  |         | 5745            | 1.288     | 1.324       | 97.28          | 0.12                              | 0.06                  |
|                  |         | 5785            | 1.288     | 1.324       | 97.28          | 0.12                              | 0.04                  |
|                  |         | 5825            | 1.289     | 1.324       | 97.36          | 0.12                              | 0.03                  |
| 802.11ac (VHT40) | SISO    | 5190            | 0.636     | 0.671       | 94.78          | 0.23                              | 0.07                  |
|                  |         | 5230            | 0.636     | 0.671       | 94.78          | 0.23                              | 0.03                  |
|                  |         | 5755            | 0.636     | 0.671       | 94.78          | 0.23                              | 0.03                  |
|                  |         | 5795            | 0.636     | 0.671       | 94.78          | 0.23                              | 0.04                  |
| 802.11ac (VHT80) | SISO    | 5210            | 1.048     | 1.076       | 97.40          | 0.11                              | 0.03                  |
|                  |         | 5775            | 1.047     | 1.076       | 97.30          | 0.12                              | 0.07                  |

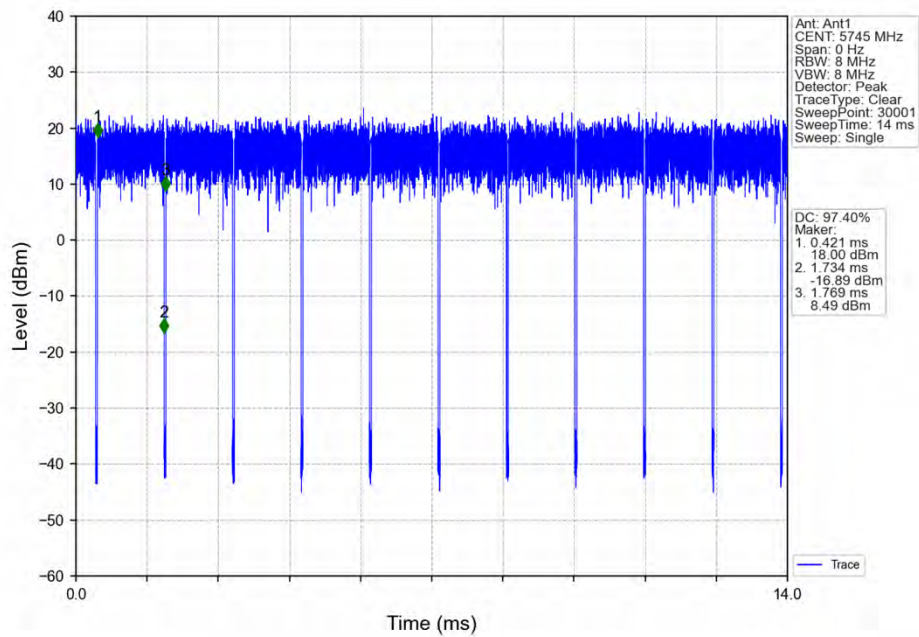
### 1.1.2 Test Graph



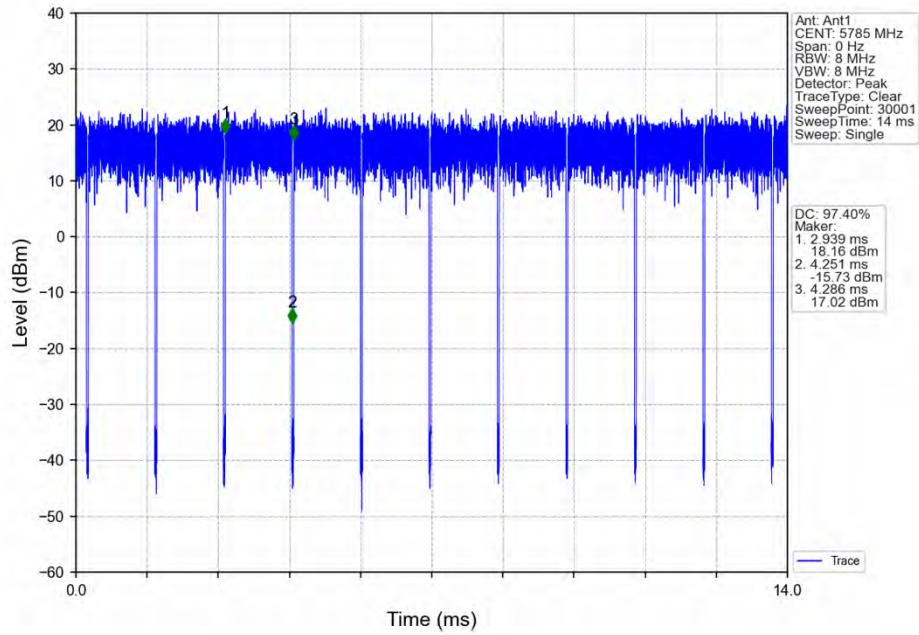
## 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



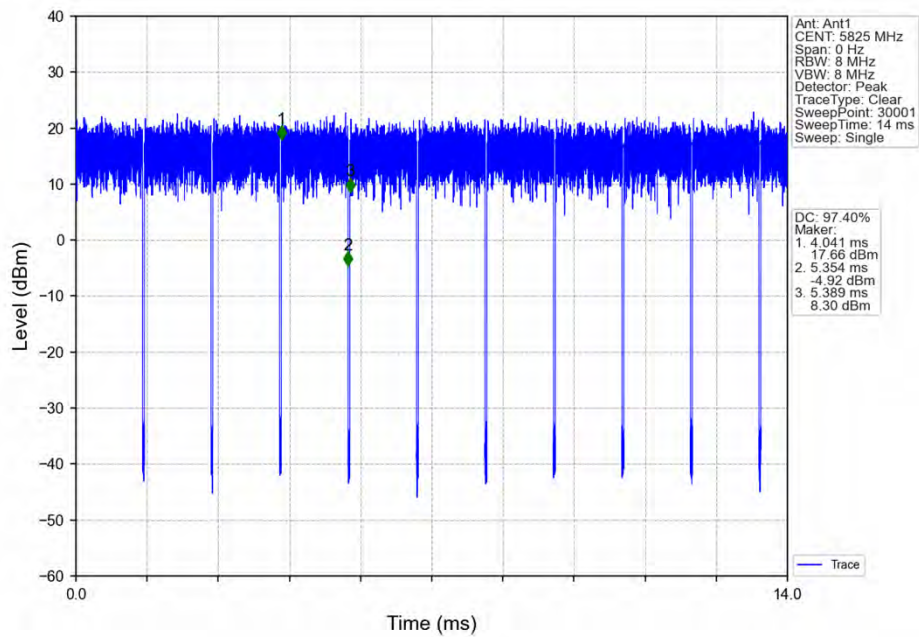
## 802.11a\_LCH\_5745MHz\_Ant1\_NTNV



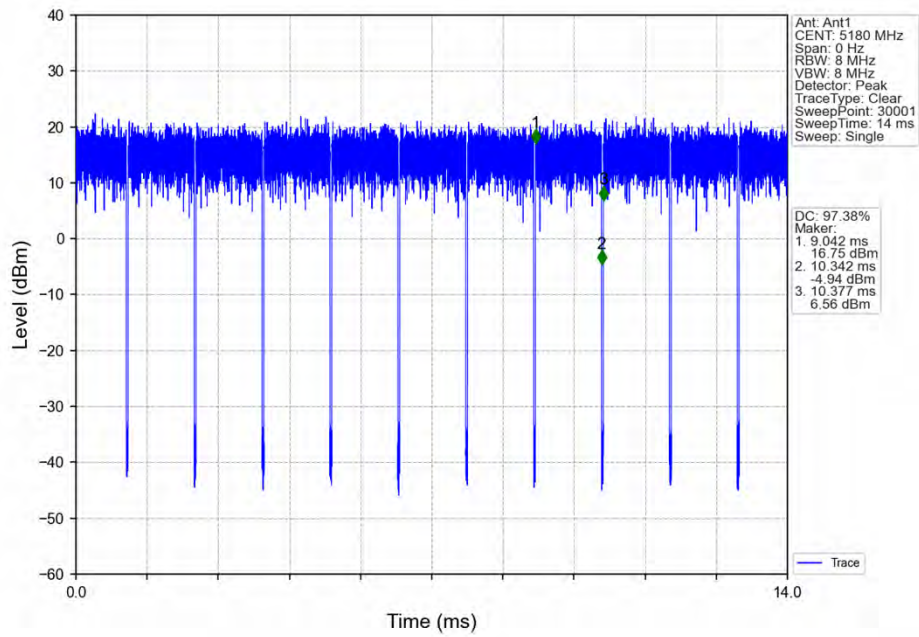
## 802.11a\_MCH\_5785MHz\_Ant1\_NTNV



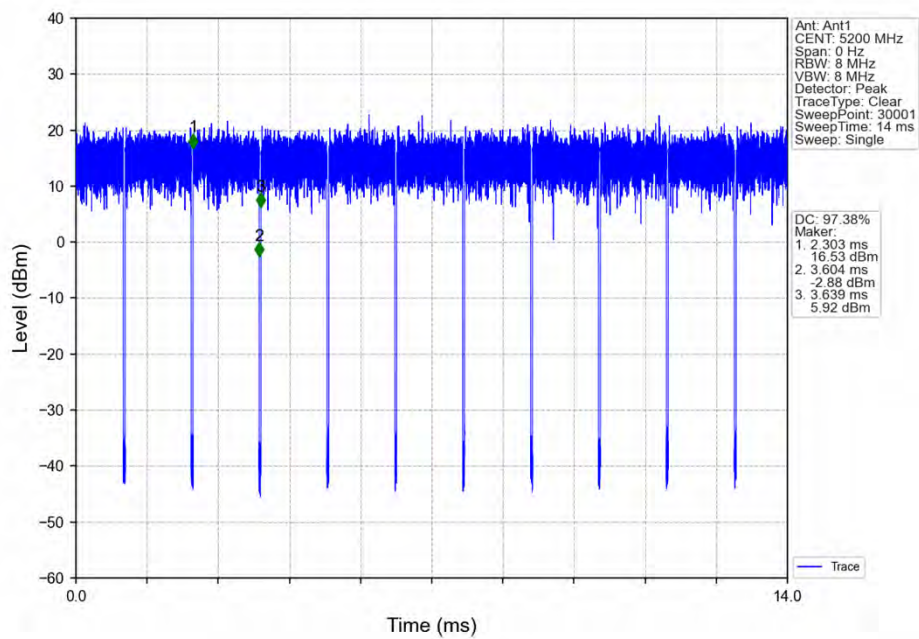
## 802.11a\_HCH\_5825MHz\_Ant1\_NTNV



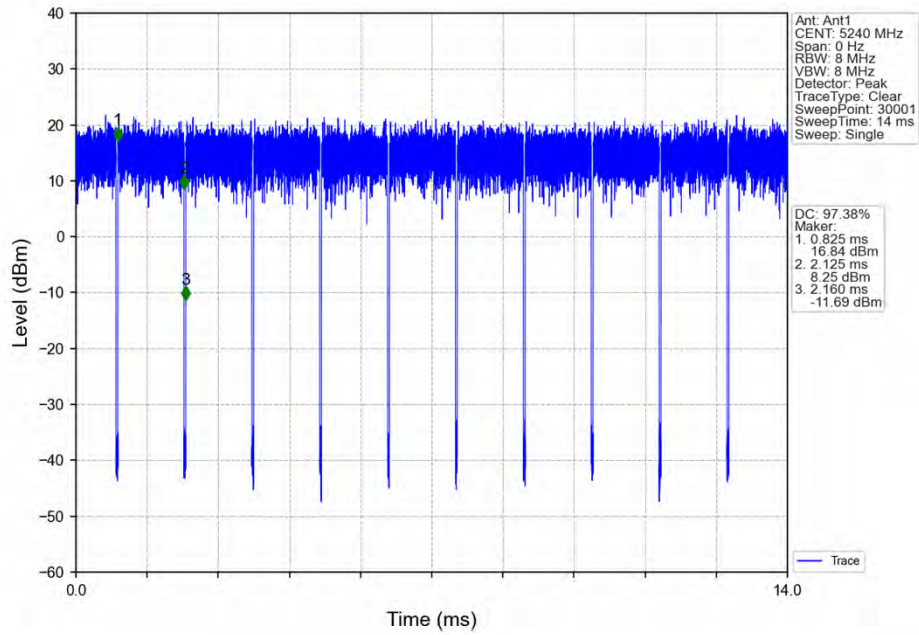
## 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



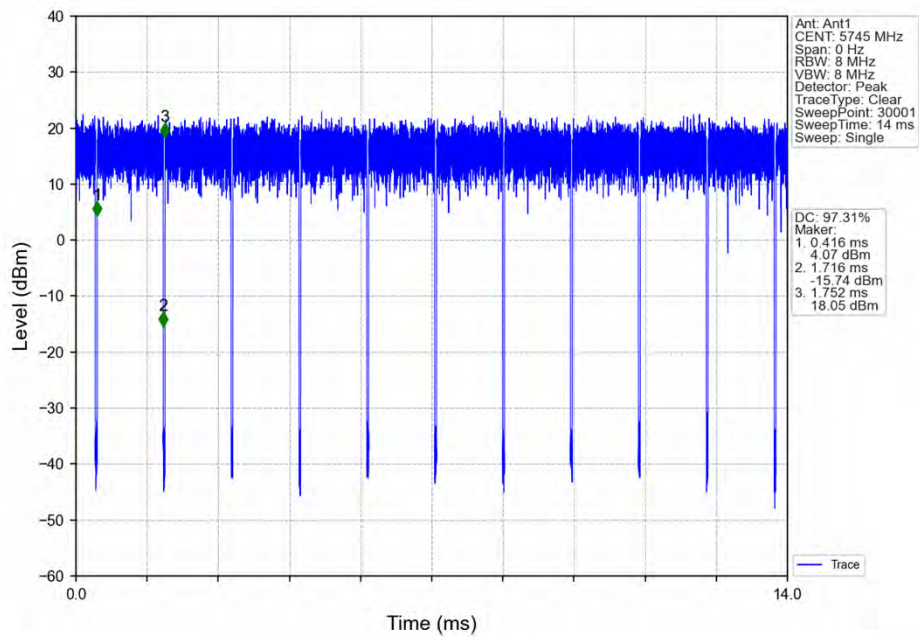
## 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



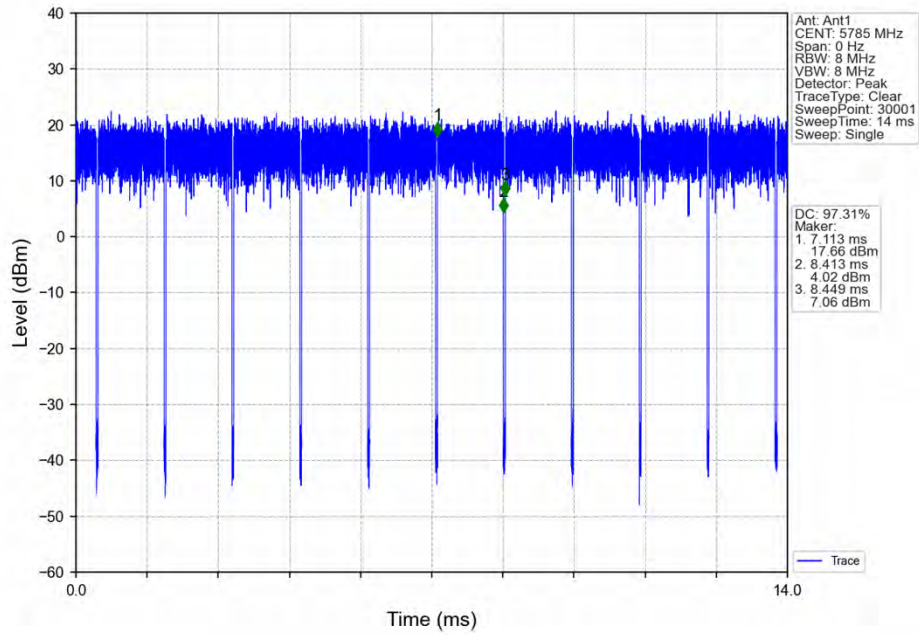
## 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



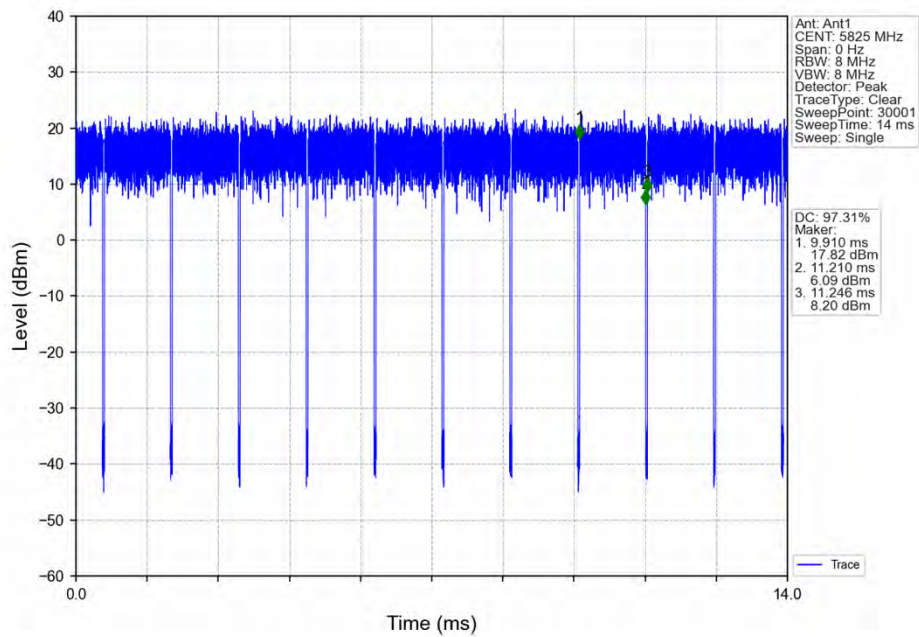
## 802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



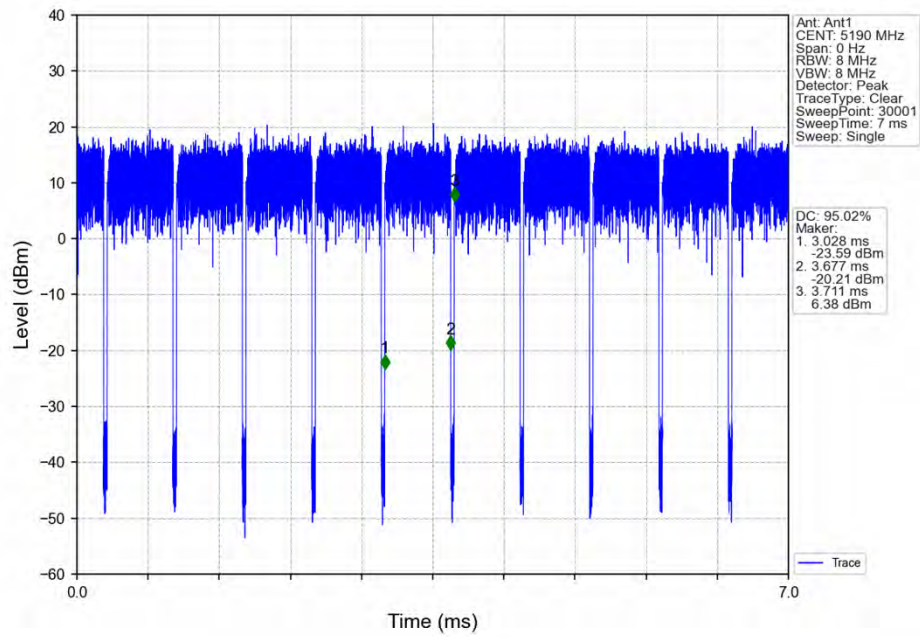
## 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



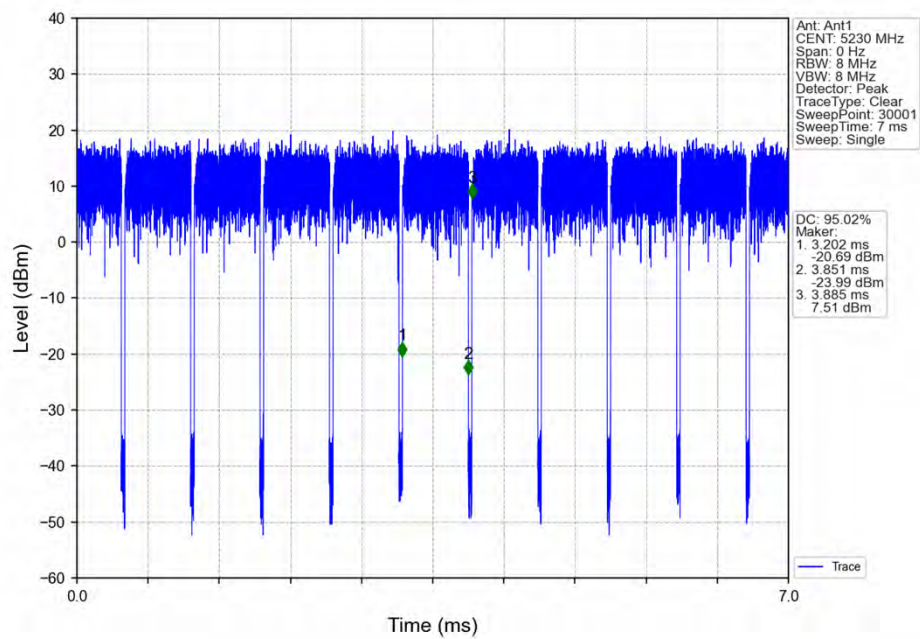
## 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



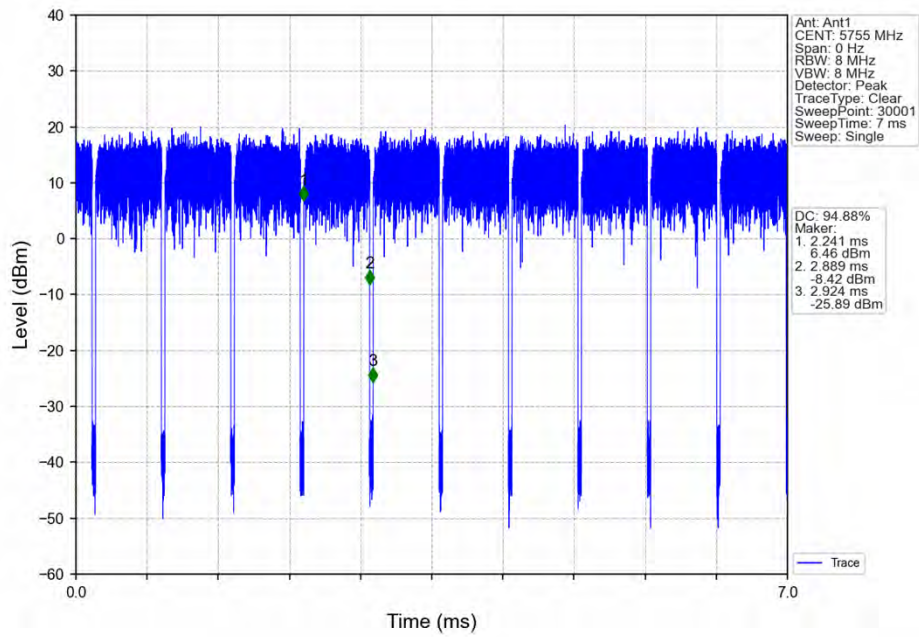
## 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



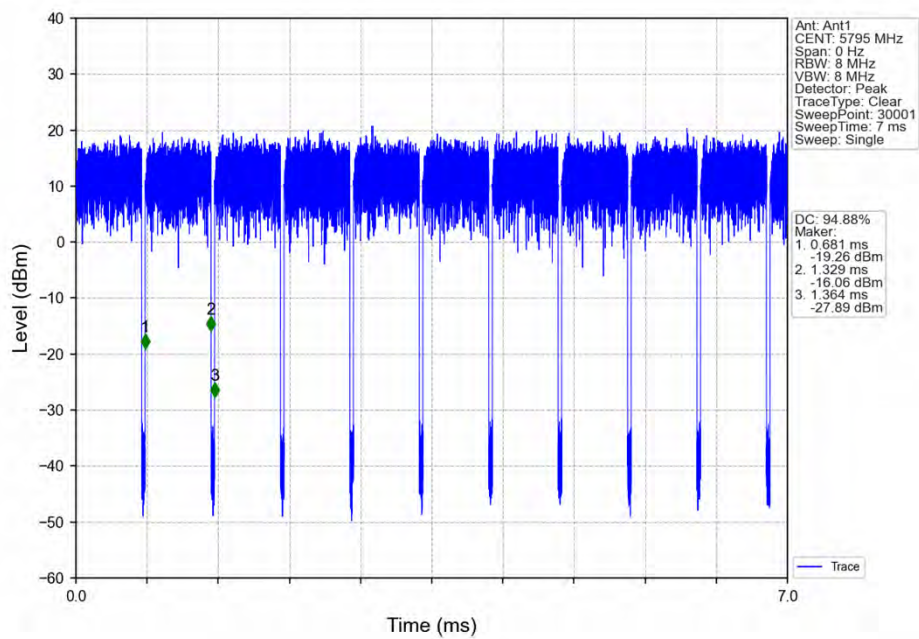
## 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



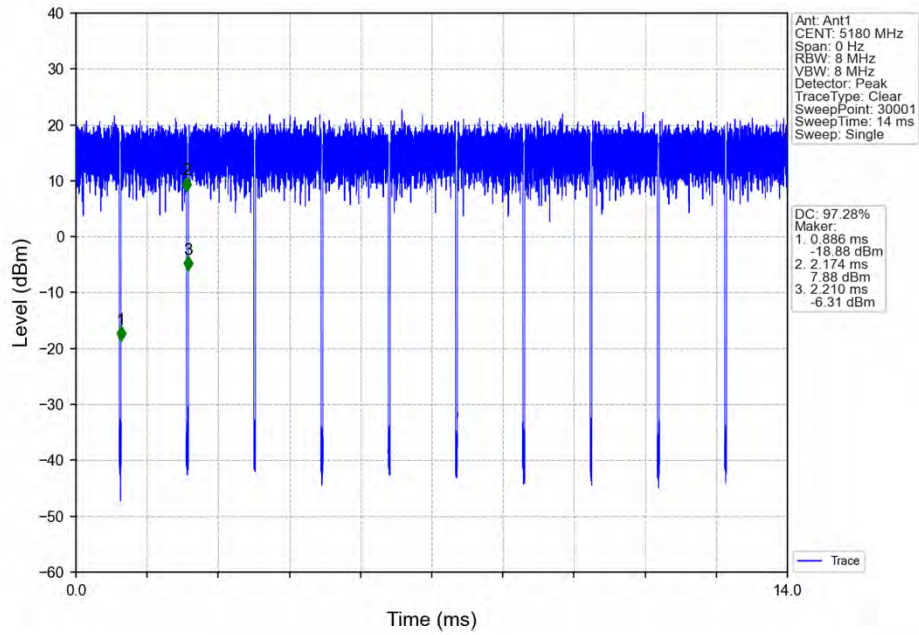
## 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



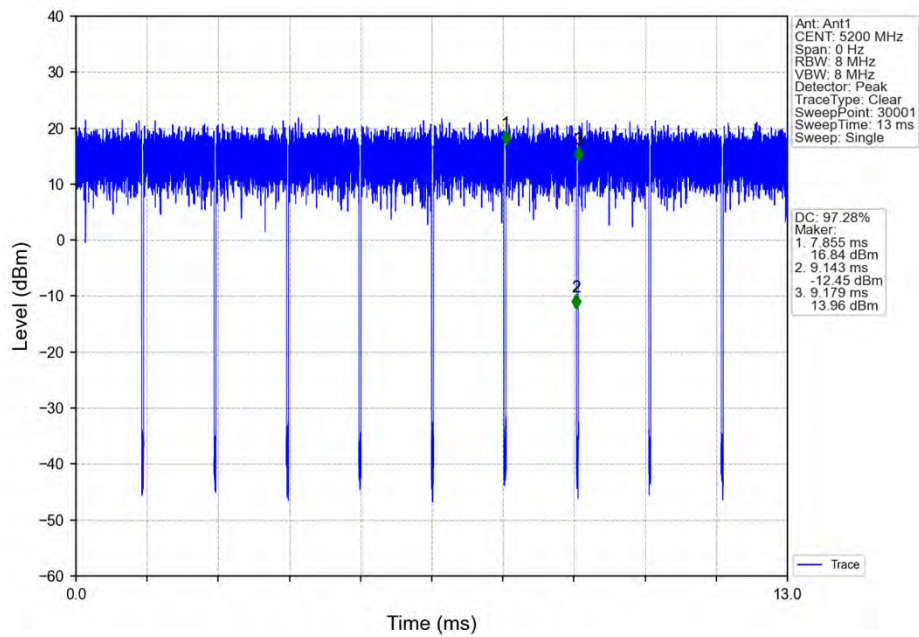
## 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



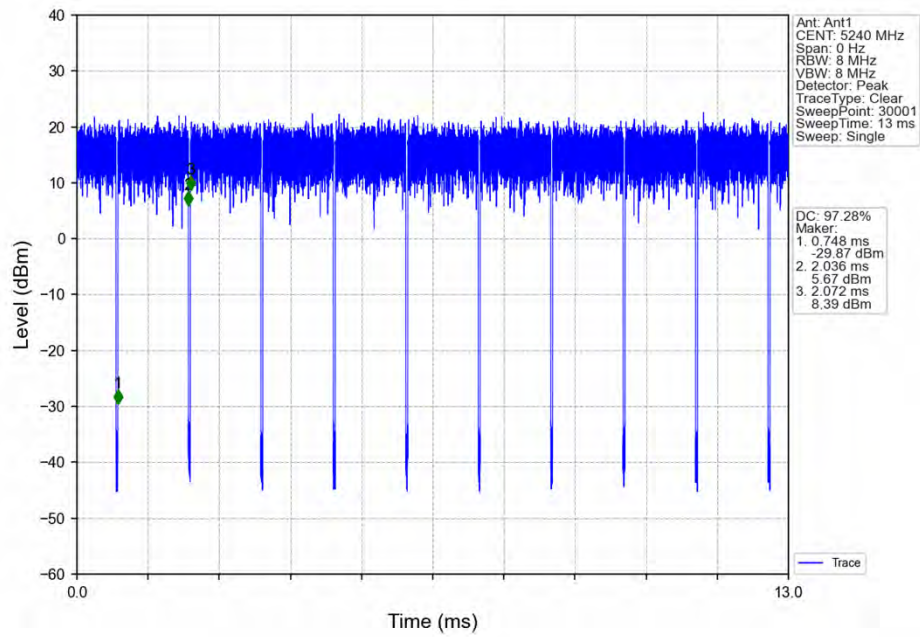
## 802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



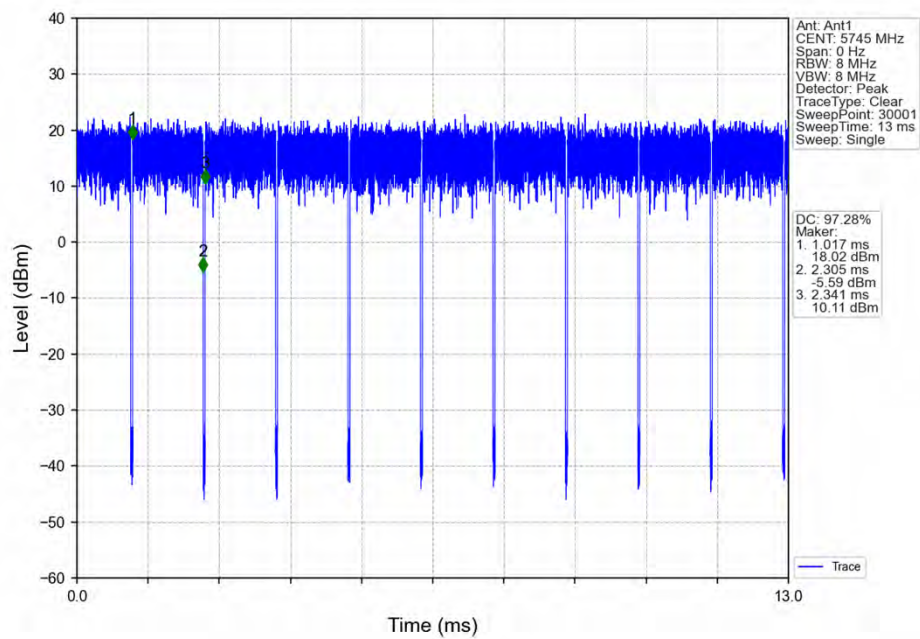
## 802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



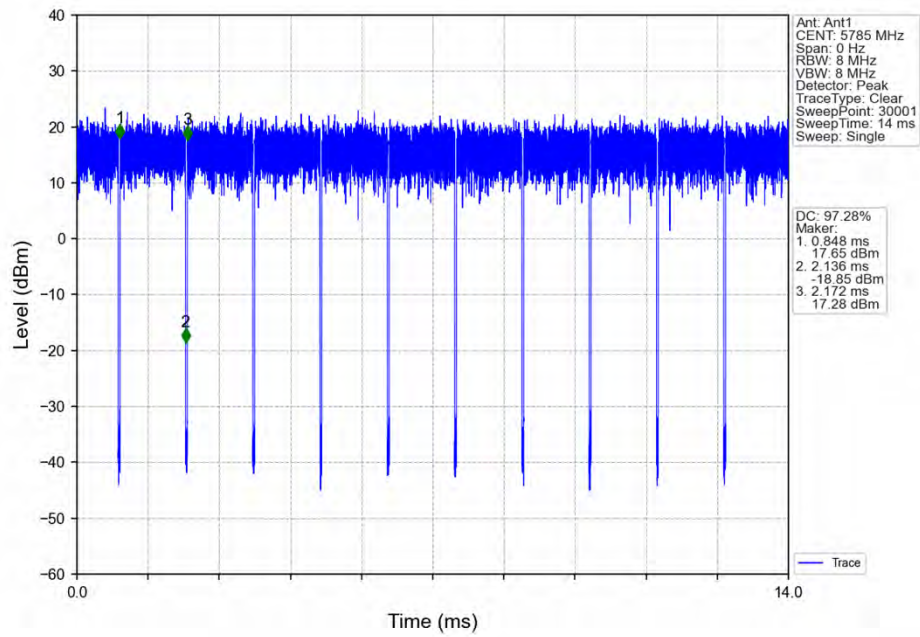
## 802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



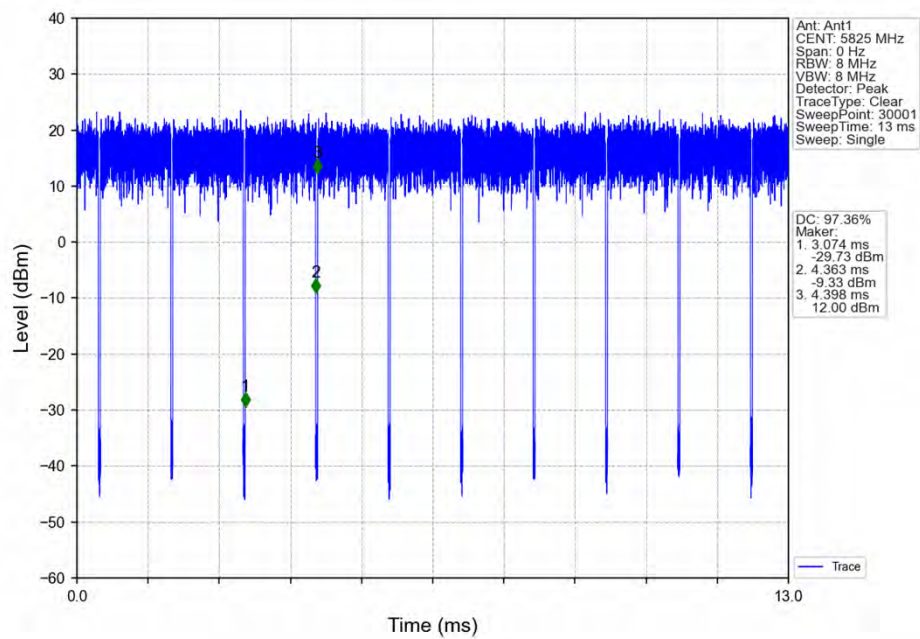
## 802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



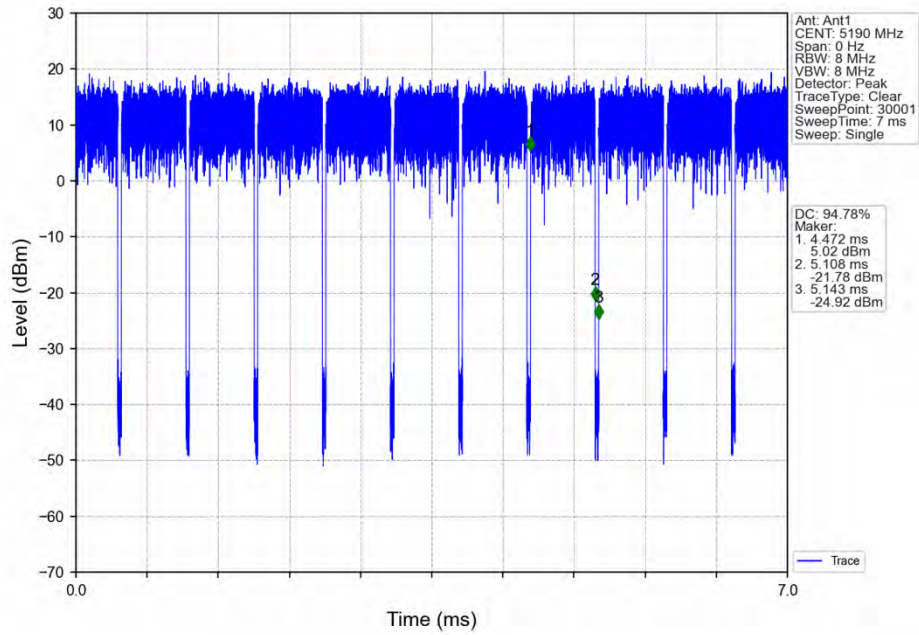
## 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



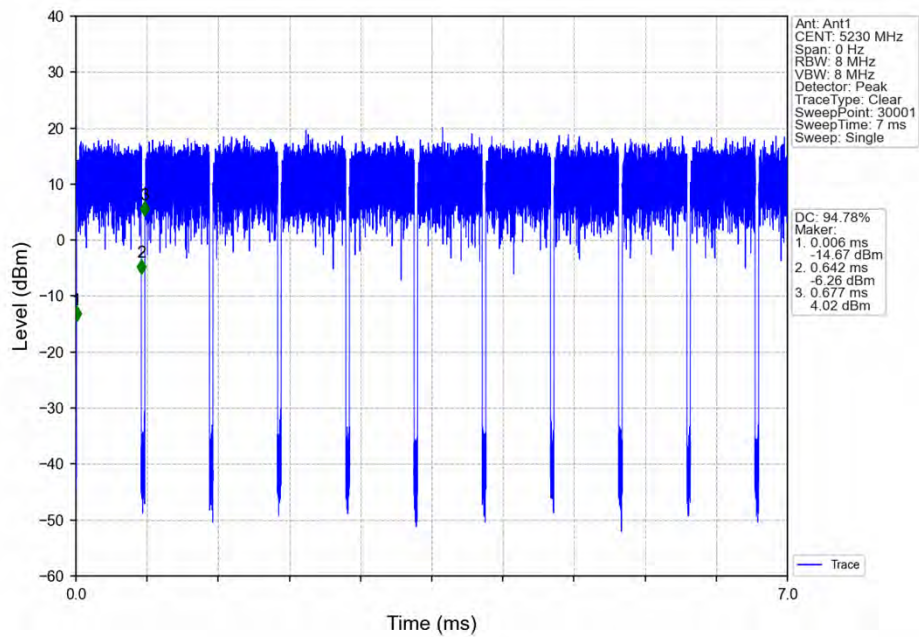
## 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



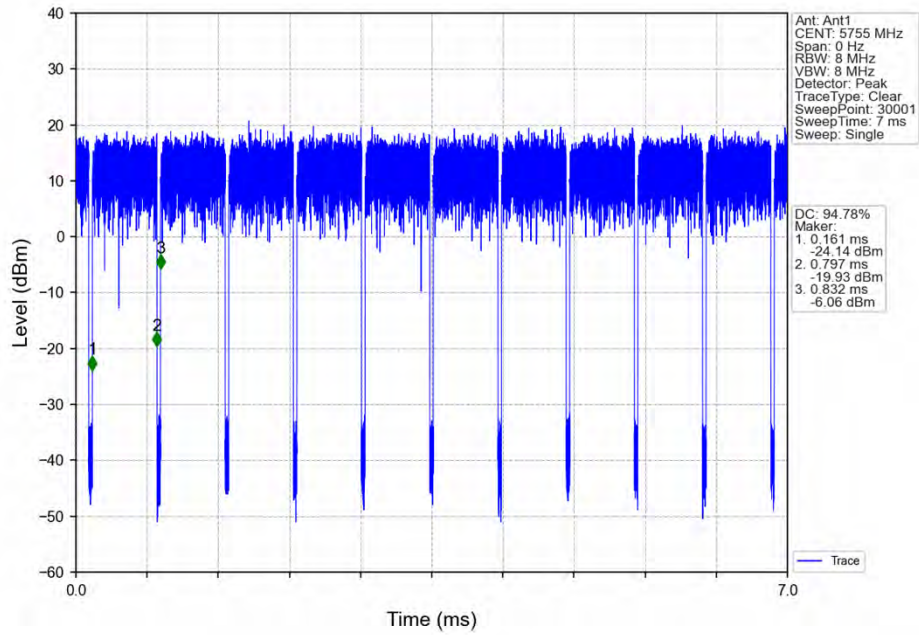
## 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



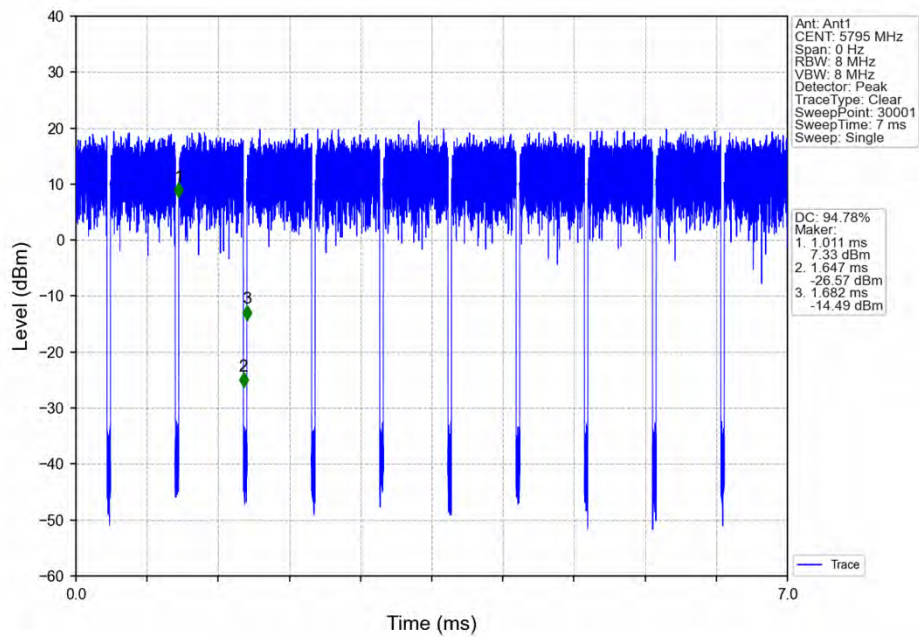
## 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



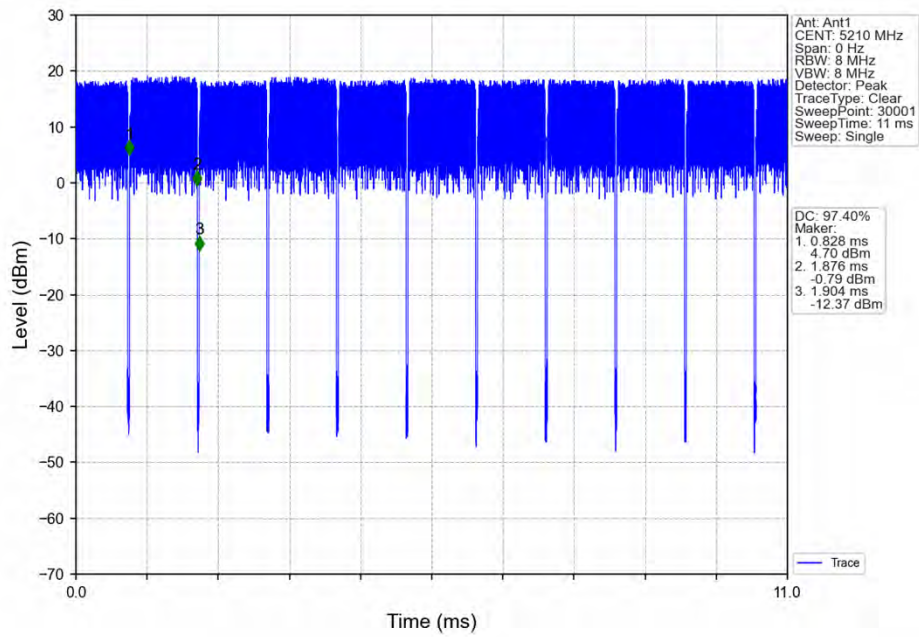
## 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



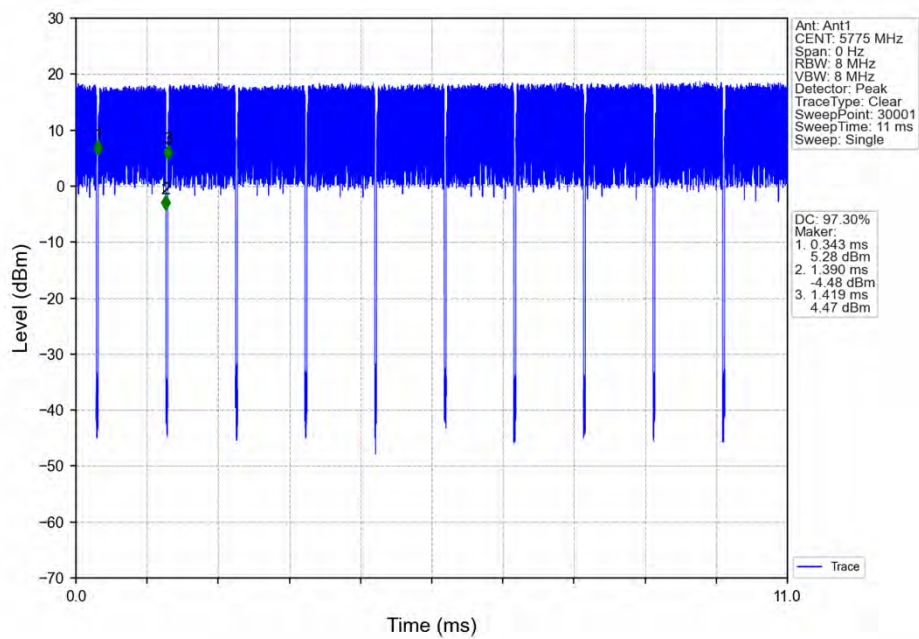
## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



## 802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



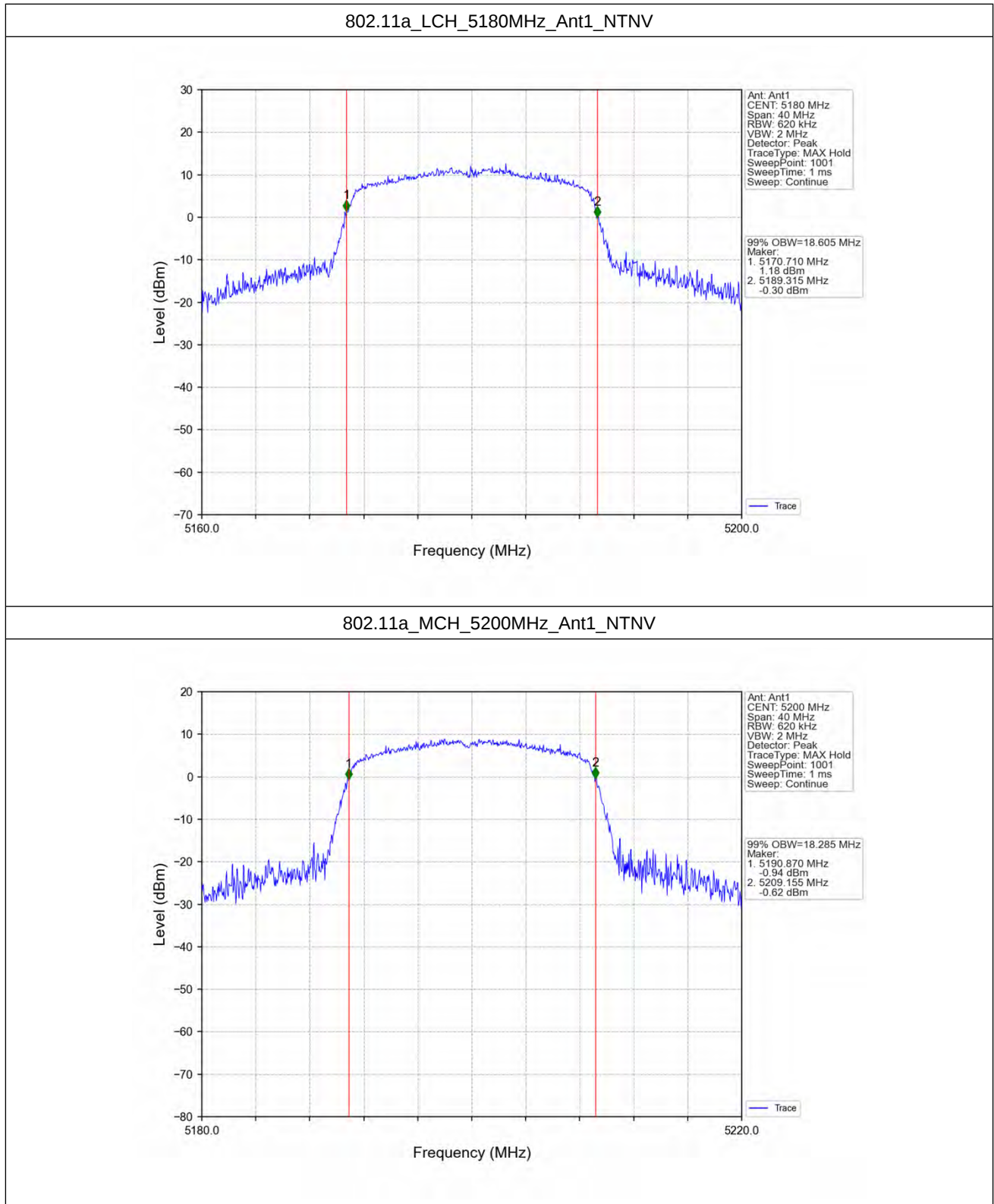
## 2. Bandwidth

### 2.1 OBW

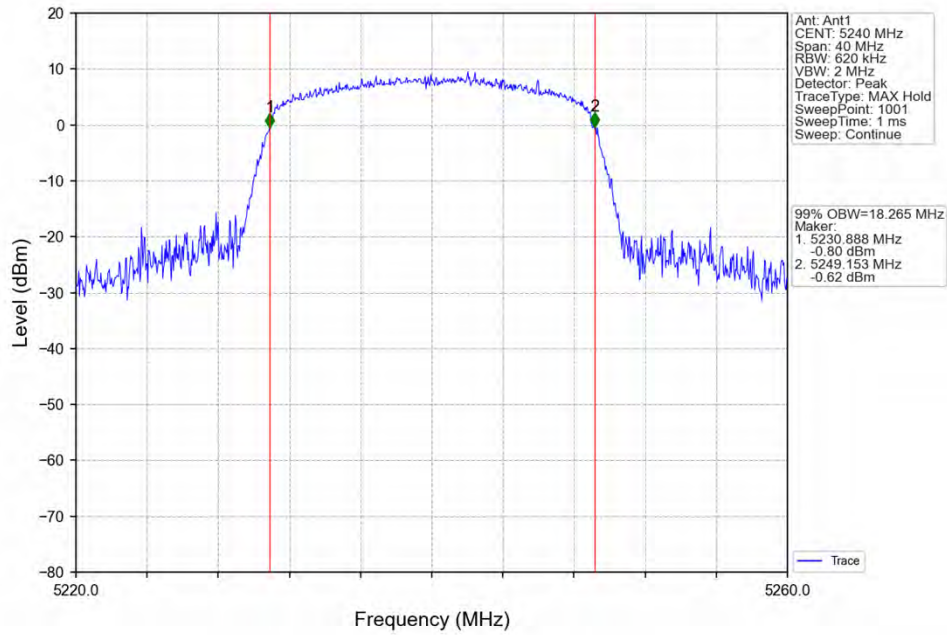
#### 2.1.1 Test Result

| Mode             | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|------------------|---------|-----------------|-----|------------------------------|---------|
|                  |         |                 |     | Result                       |         |
| 802.11a          | SISO    | 5180            | 1   | 18.605                       | Pass    |
|                  |         | 5200            | 1   | 18.285                       | Pass    |
|                  |         | 5240            | 1   | 18.265                       | Pass    |
|                  |         | 5745            | 1   | 18.269                       | Pass    |
|                  |         | 5785            | 1   | 18.298                       | Pass    |
|                  |         | 5825            | 1   | 18.240                       | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 1   | 18.497                       | Pass    |
|                  |         | 5200            | 1   | 18.463                       | Pass    |
|                  |         | 5240            | 1   | 18.425                       | Pass    |
|                  |         | 5745            | 1   | 18.535                       | Pass    |
|                  |         | 5785            | 1   | 18.451                       | Pass    |
|                  |         | 5825            | 1   | 18.487                       | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 1   | 36.899                       | Pass    |
|                  |         | 5230            | 1   | 36.920                       | Pass    |
|                  |         | 5755            | 1   | 37.149                       | Pass    |
|                  |         | 5795            | 1   | 37.164                       | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 1   | 18.392                       | Pass    |
|                  |         | 5200            | 1   | 18.358                       | Pass    |
|                  |         | 5240            | 1   | 18.451                       | Pass    |
|                  |         | 5745            | 1   | 18.533                       | Pass    |
|                  |         | 5785            | 1   | 18.403                       | Pass    |
|                  |         | 5825            | 1   | 18.453                       | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 1   | 36.891                       | Pass    |
|                  |         | 5230            | 1   | 36.810                       | Pass    |
|                  |         | 5755            | 1   | 36.922                       | Pass    |
|                  |         | 5795            | 1   | 37.049                       | Pass    |
| 802.11ac (VHT80) | SISO    | 5210            | 1   | 77.886                       | Pass    |
|                  |         | 5775            | 1   | 78.690                       | Pass    |

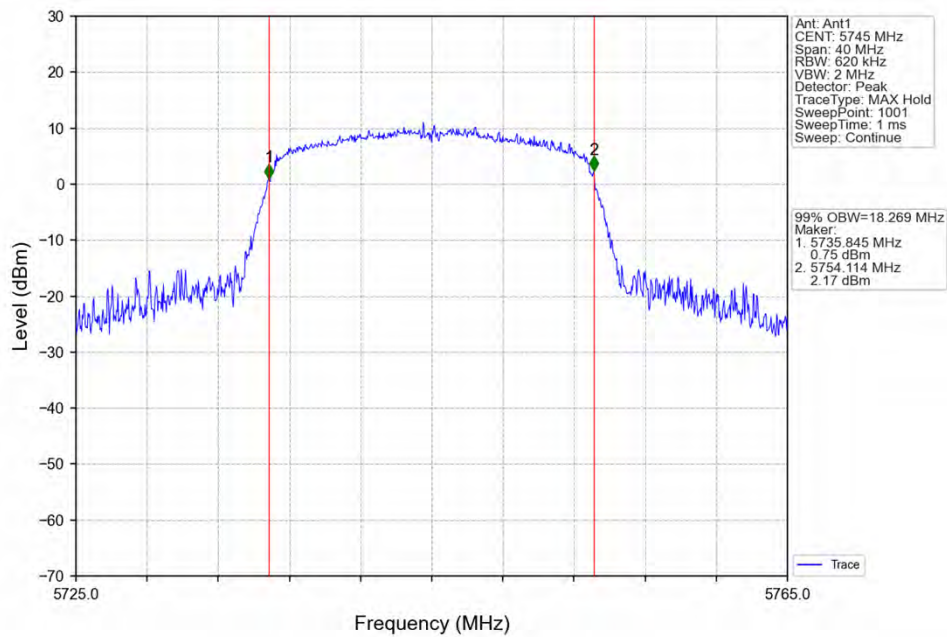
## 2.1.2 Test Graph



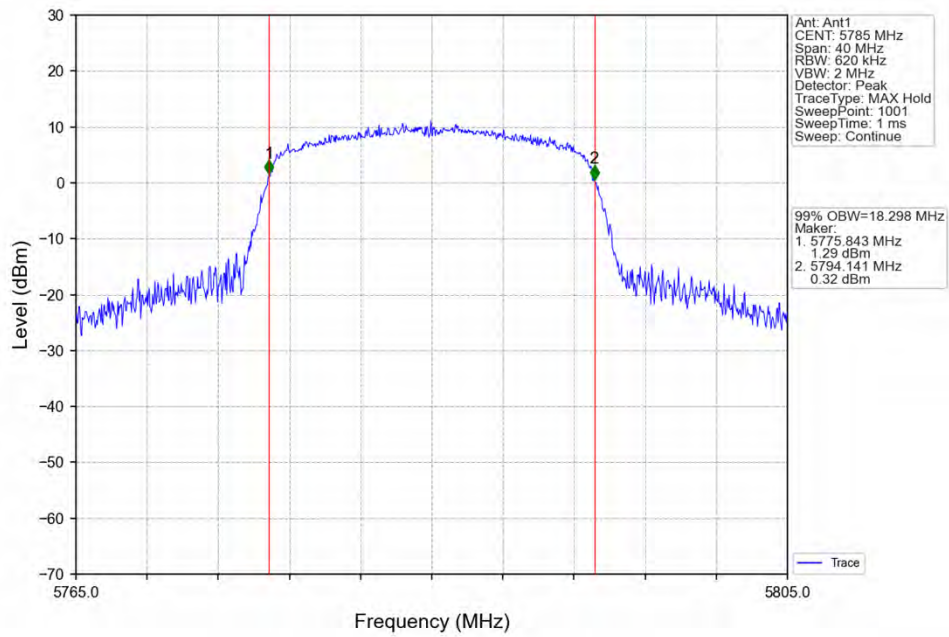
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



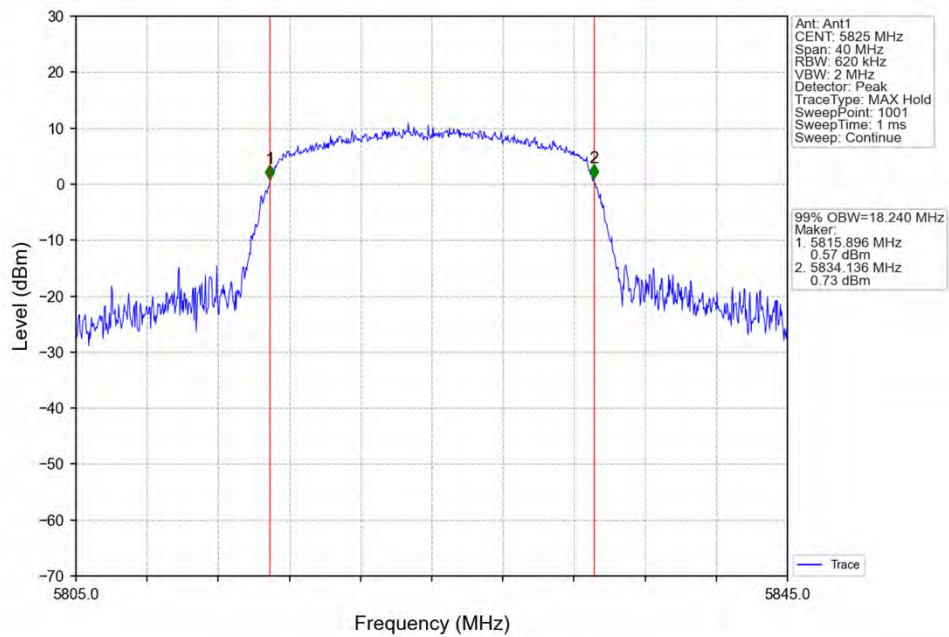
802.11a\_LCH\_5745MHz\_Ant1\_NTNV



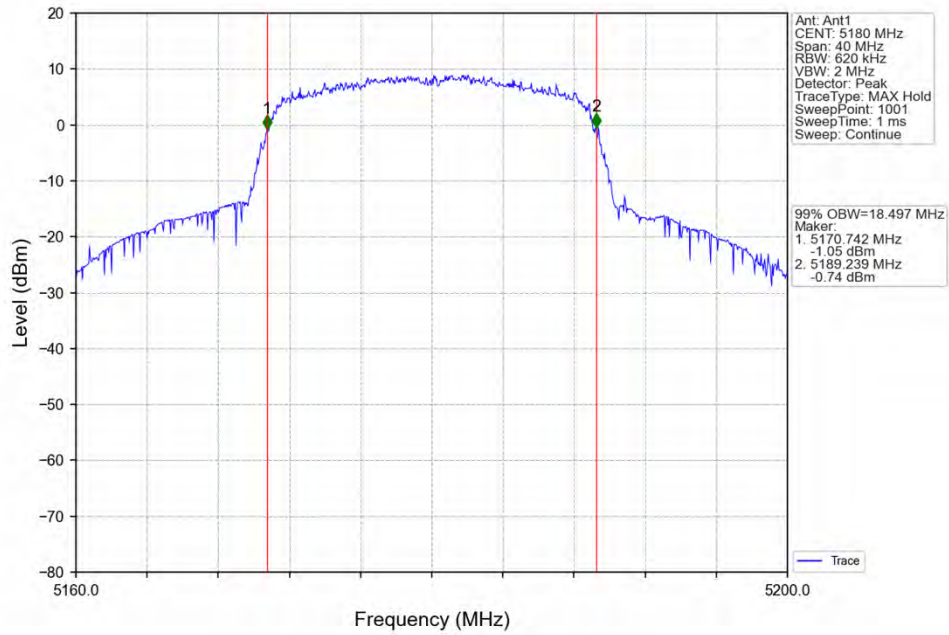
## 802.11a\_MCH\_5785MHz\_Ant1\_NTNV



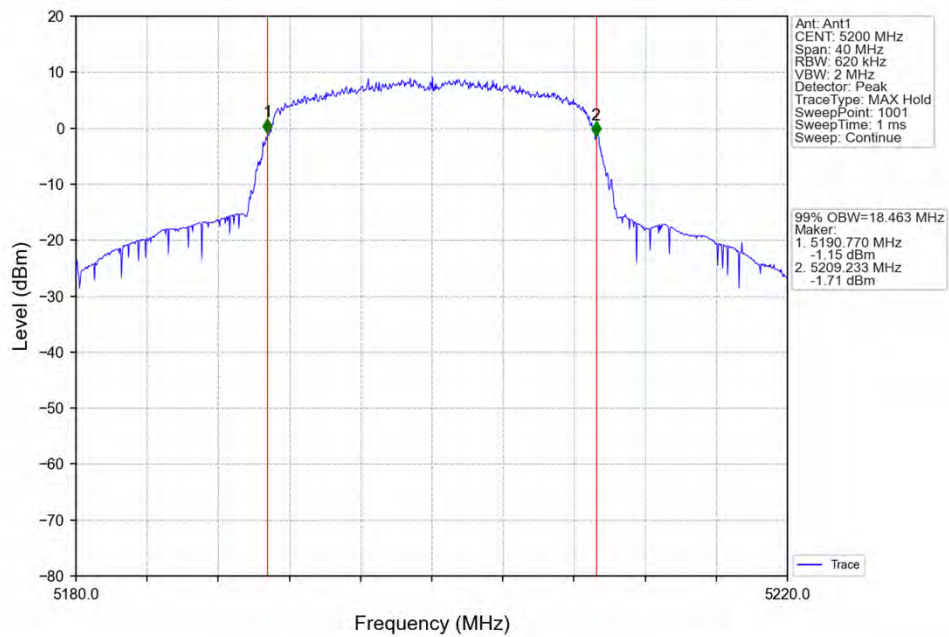
## 802.11a\_HCH\_5825MHz\_Ant1\_NTNV



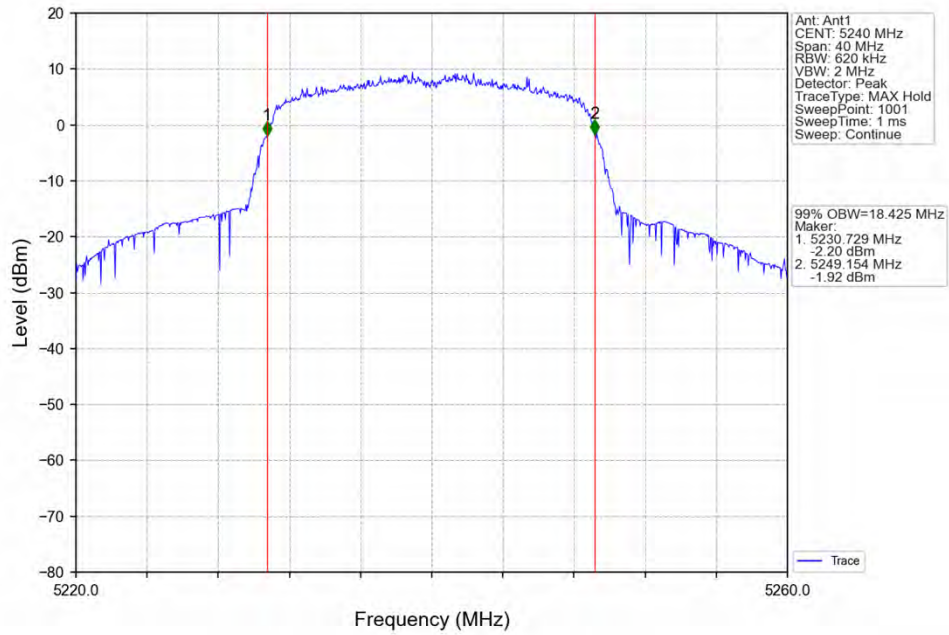
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



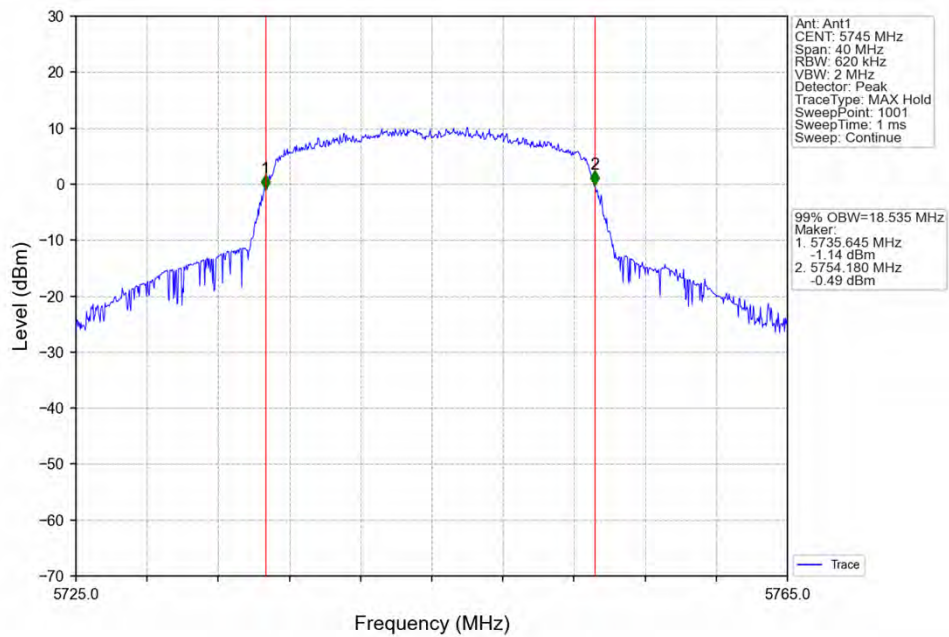
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



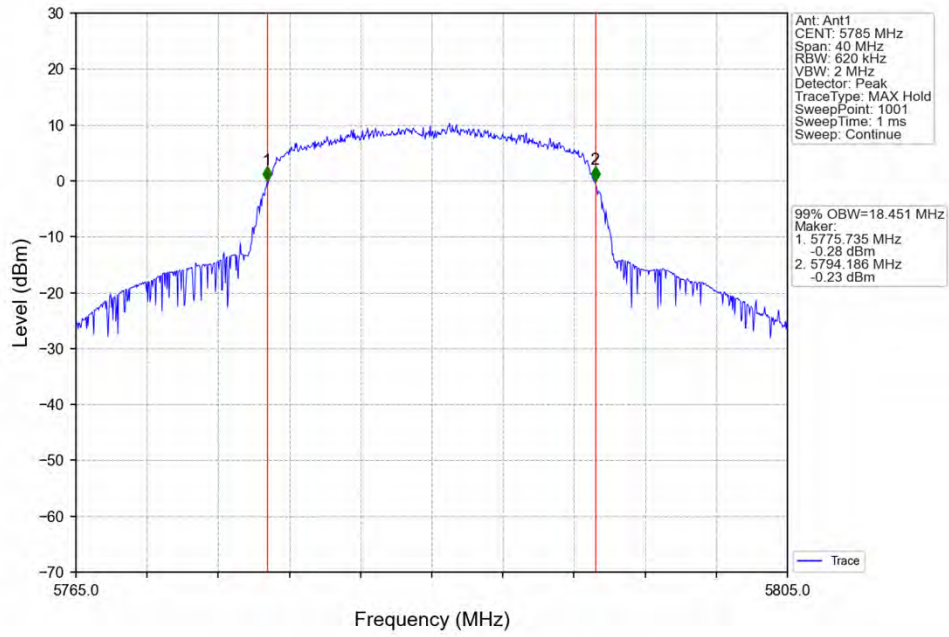
## 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



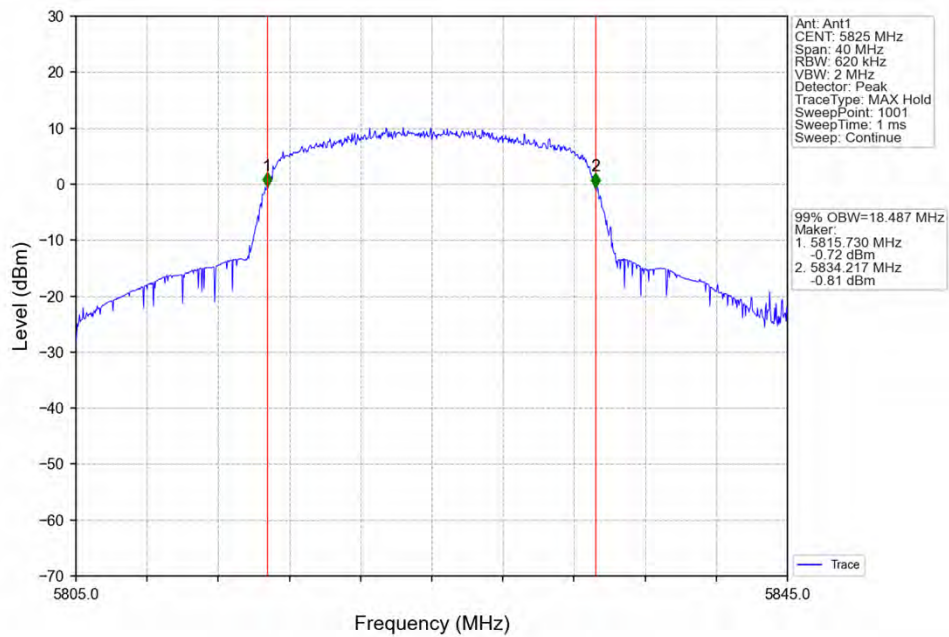
## 802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



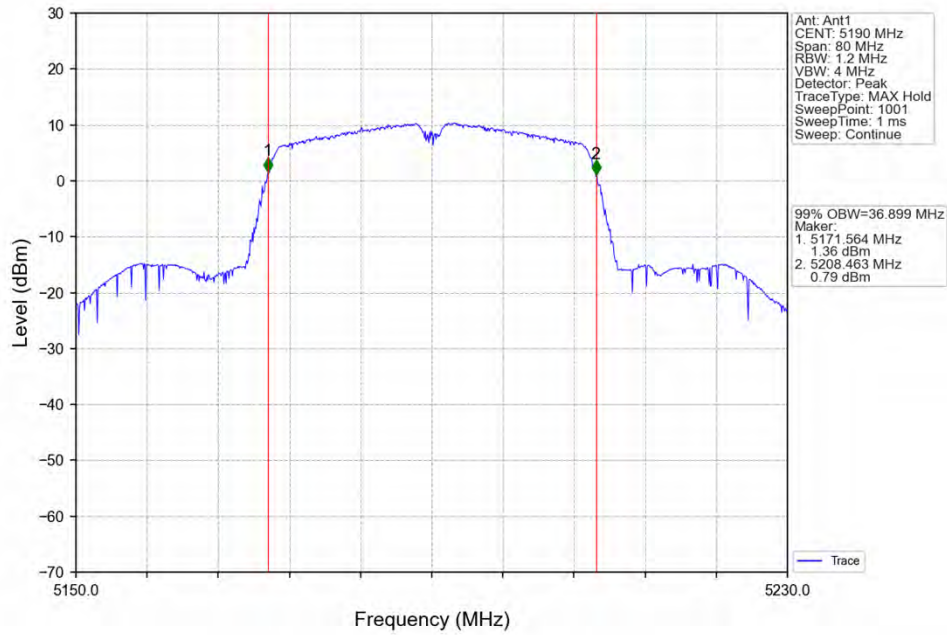
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



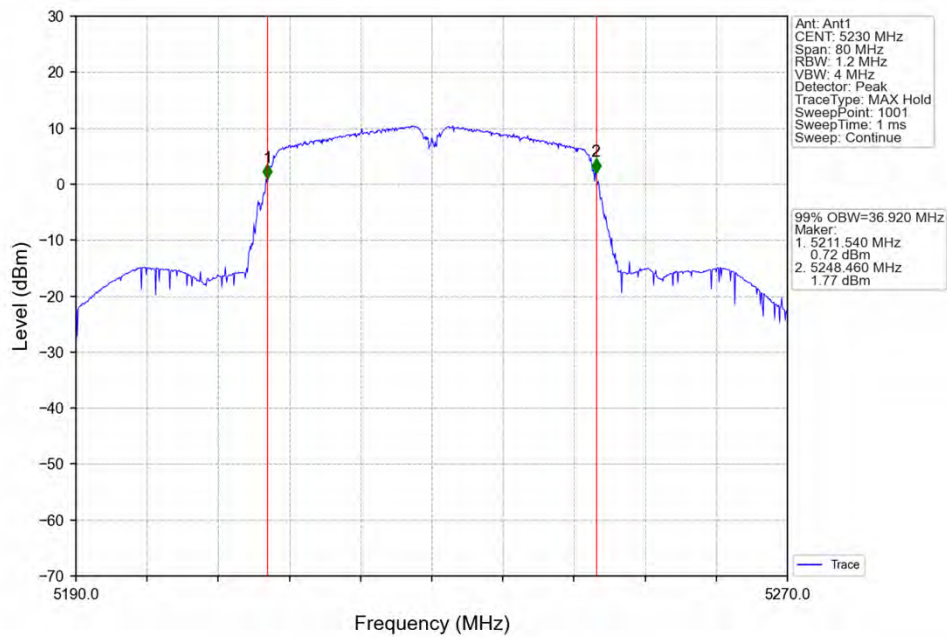
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



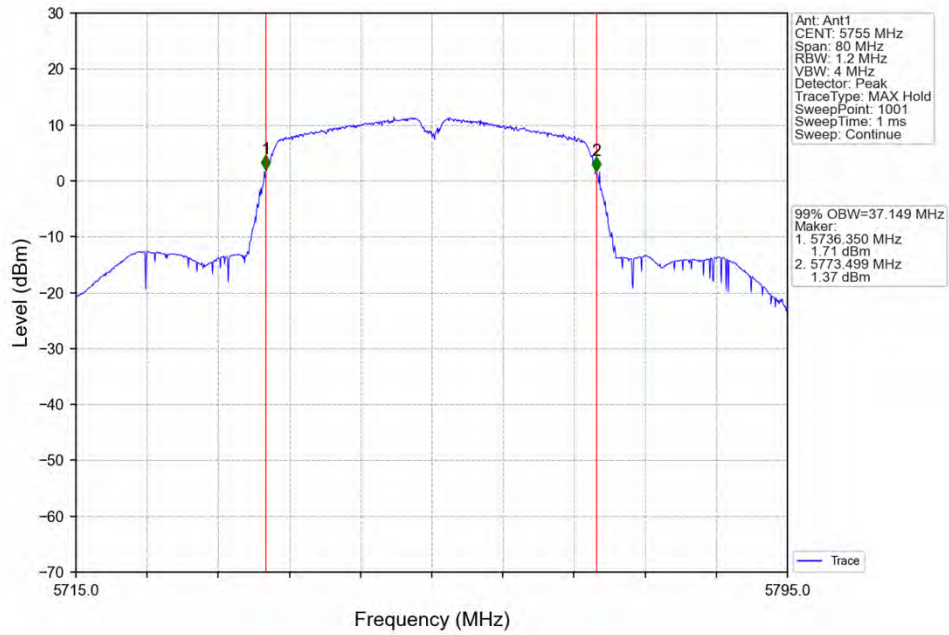
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



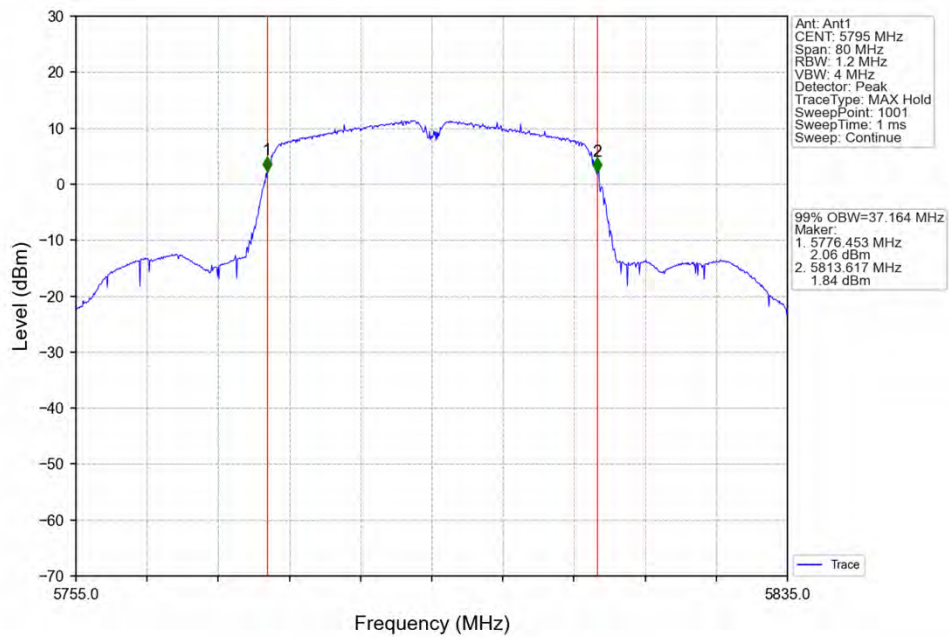
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



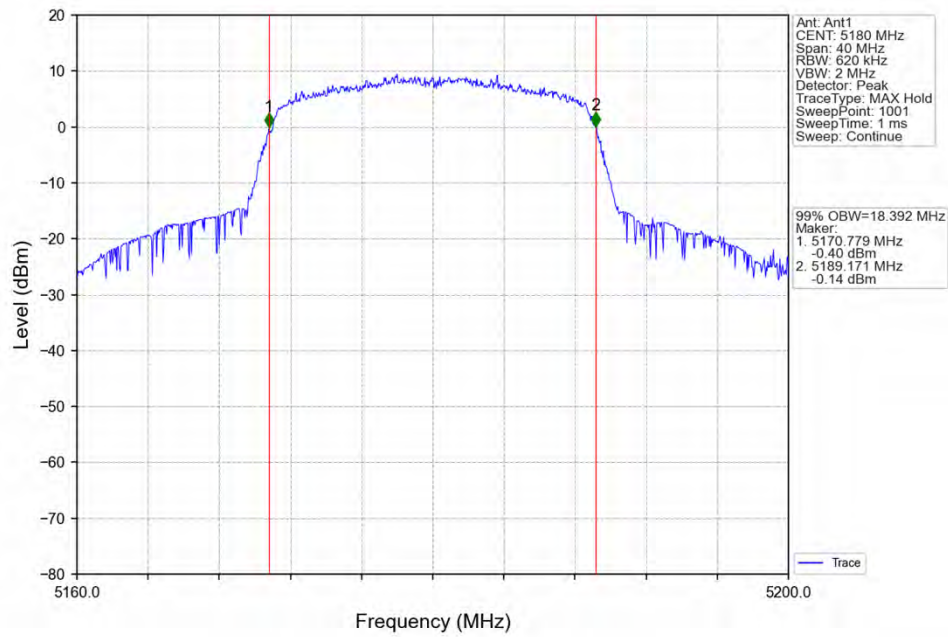
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



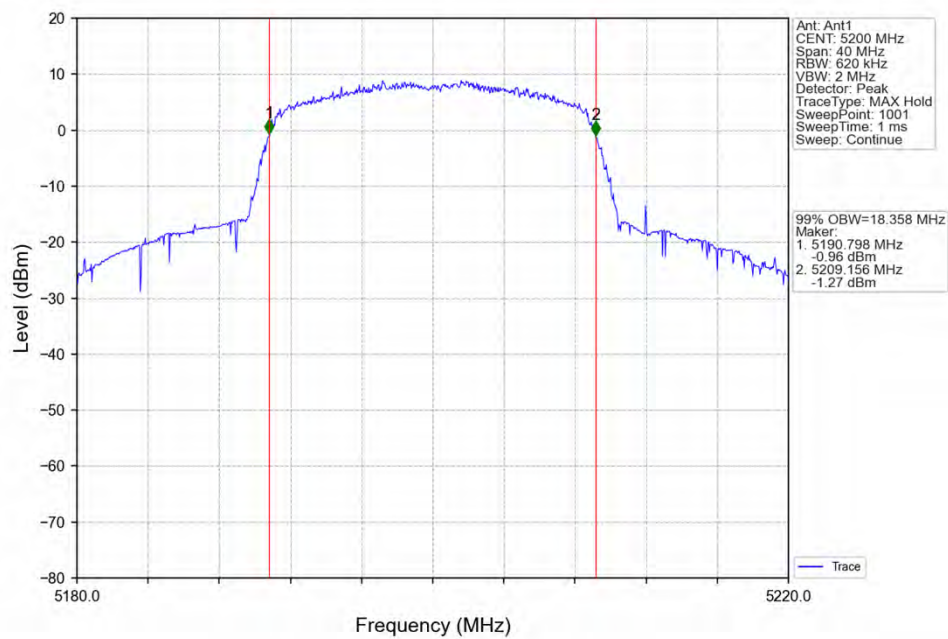
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



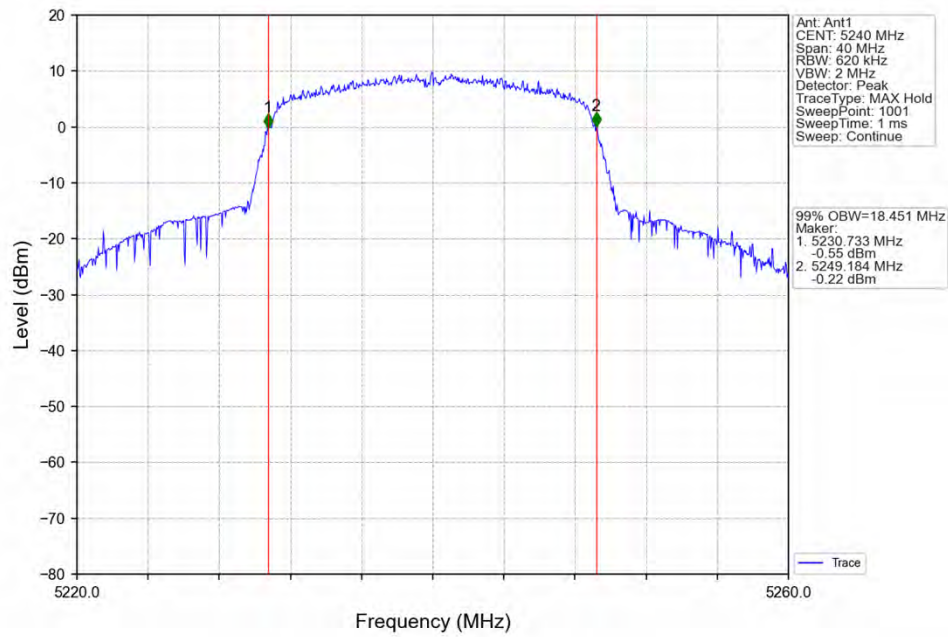
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



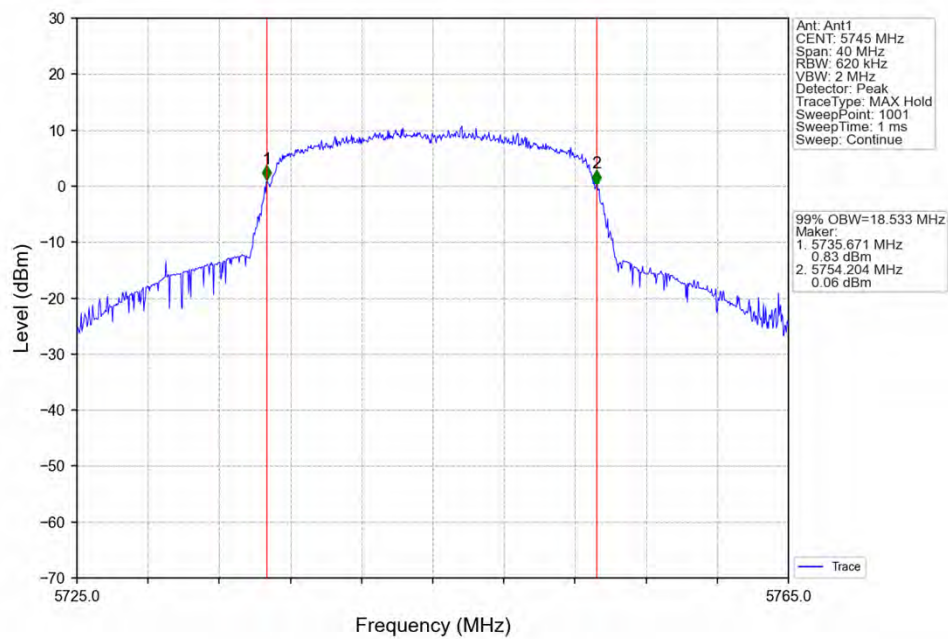
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



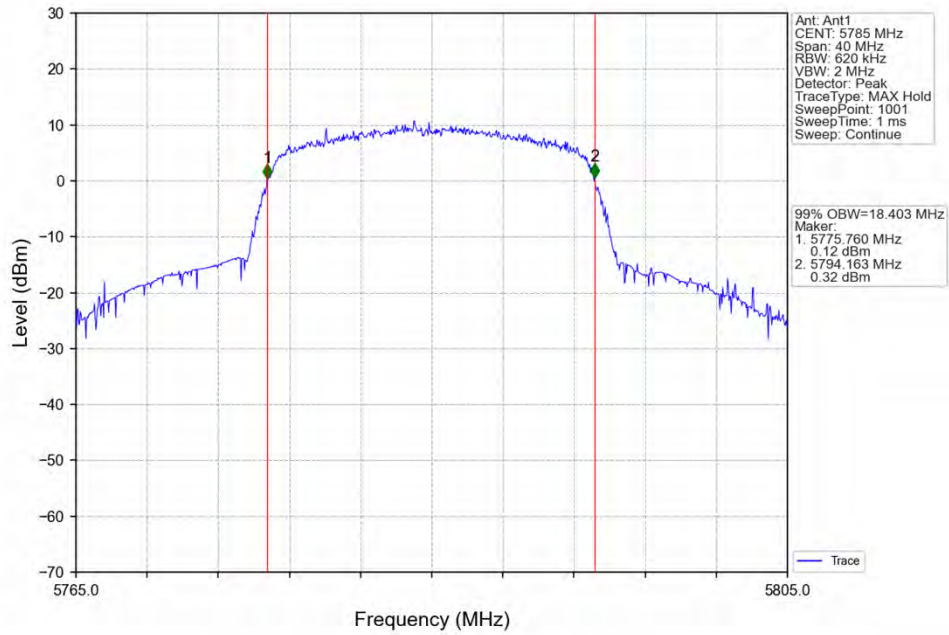
## 802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



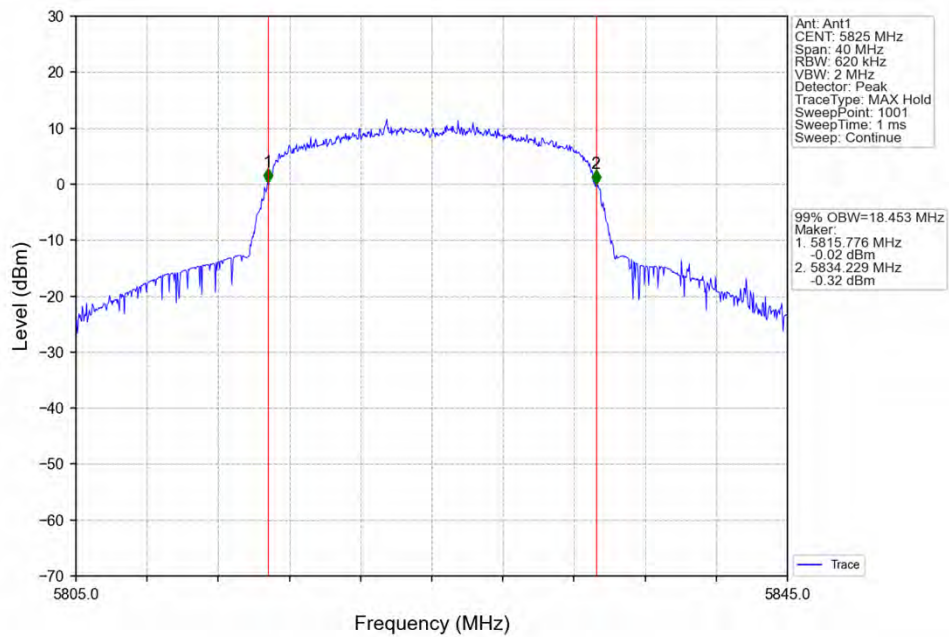
## 802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



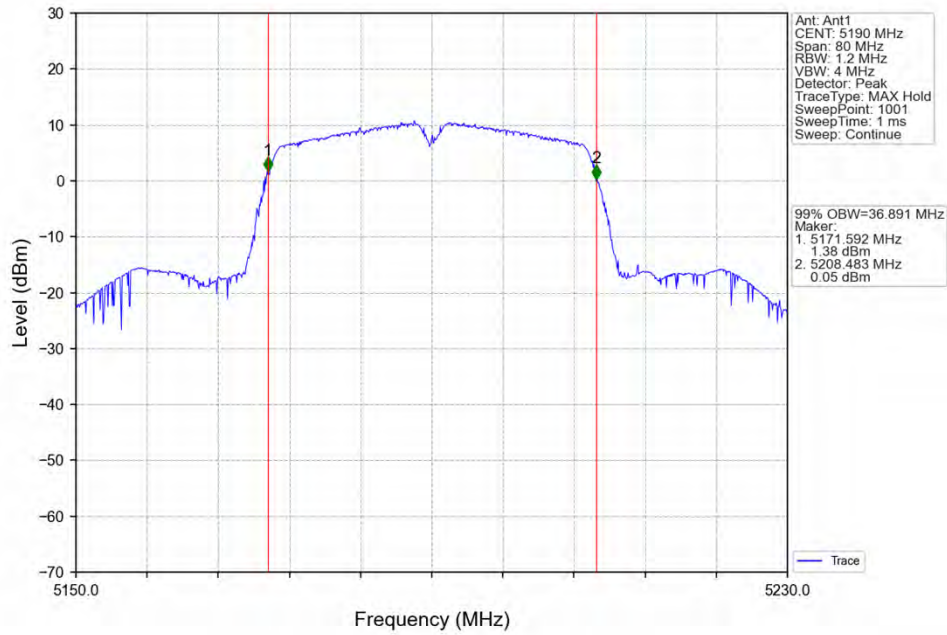
## 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



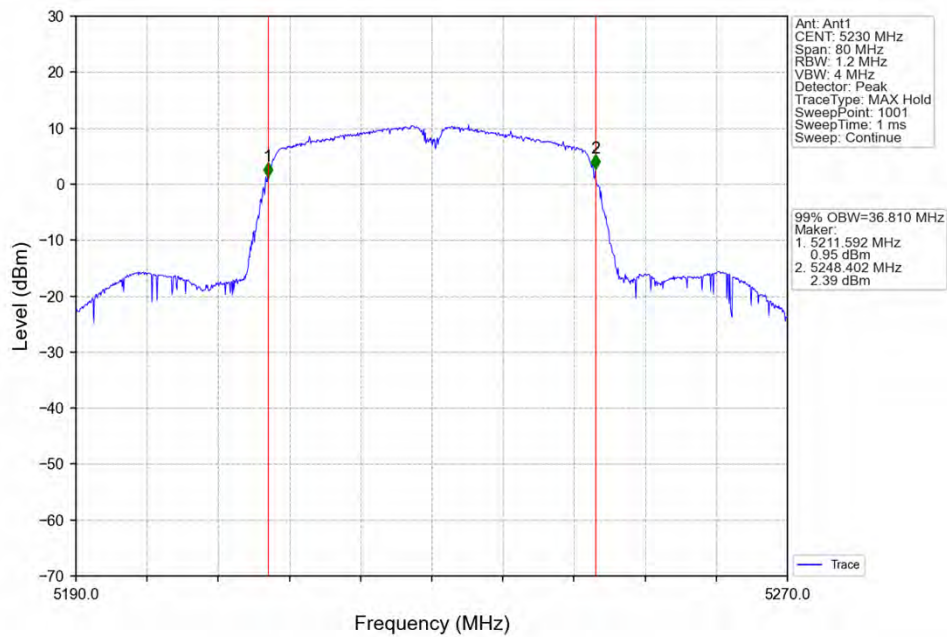
## 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



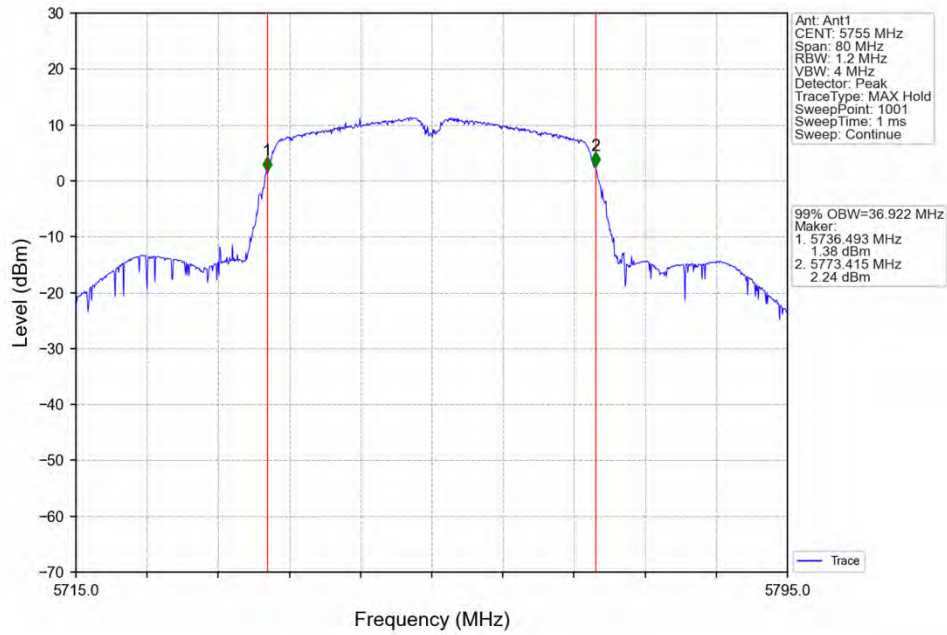
## 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



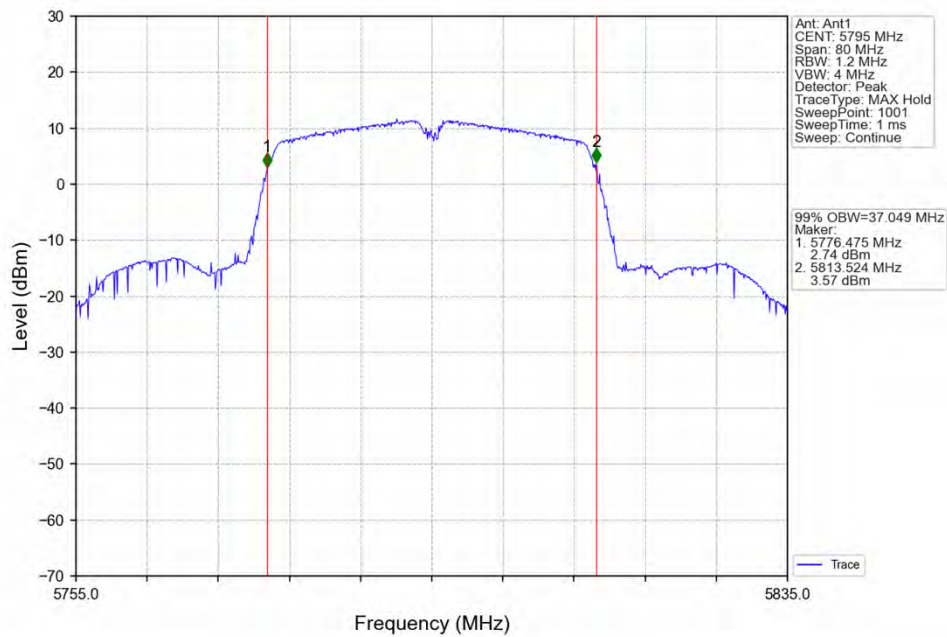
## 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



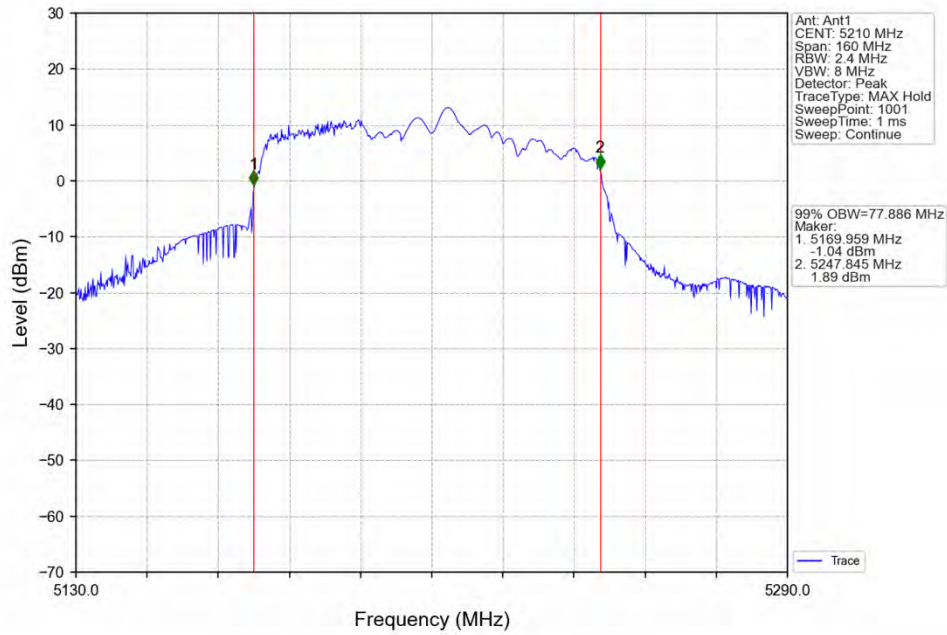
## 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



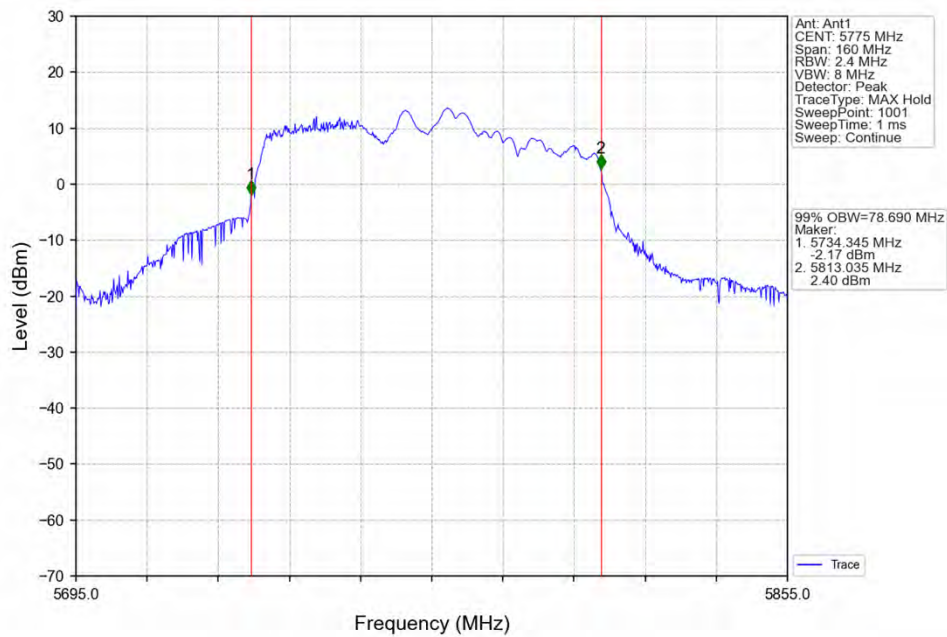
## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



## 802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV

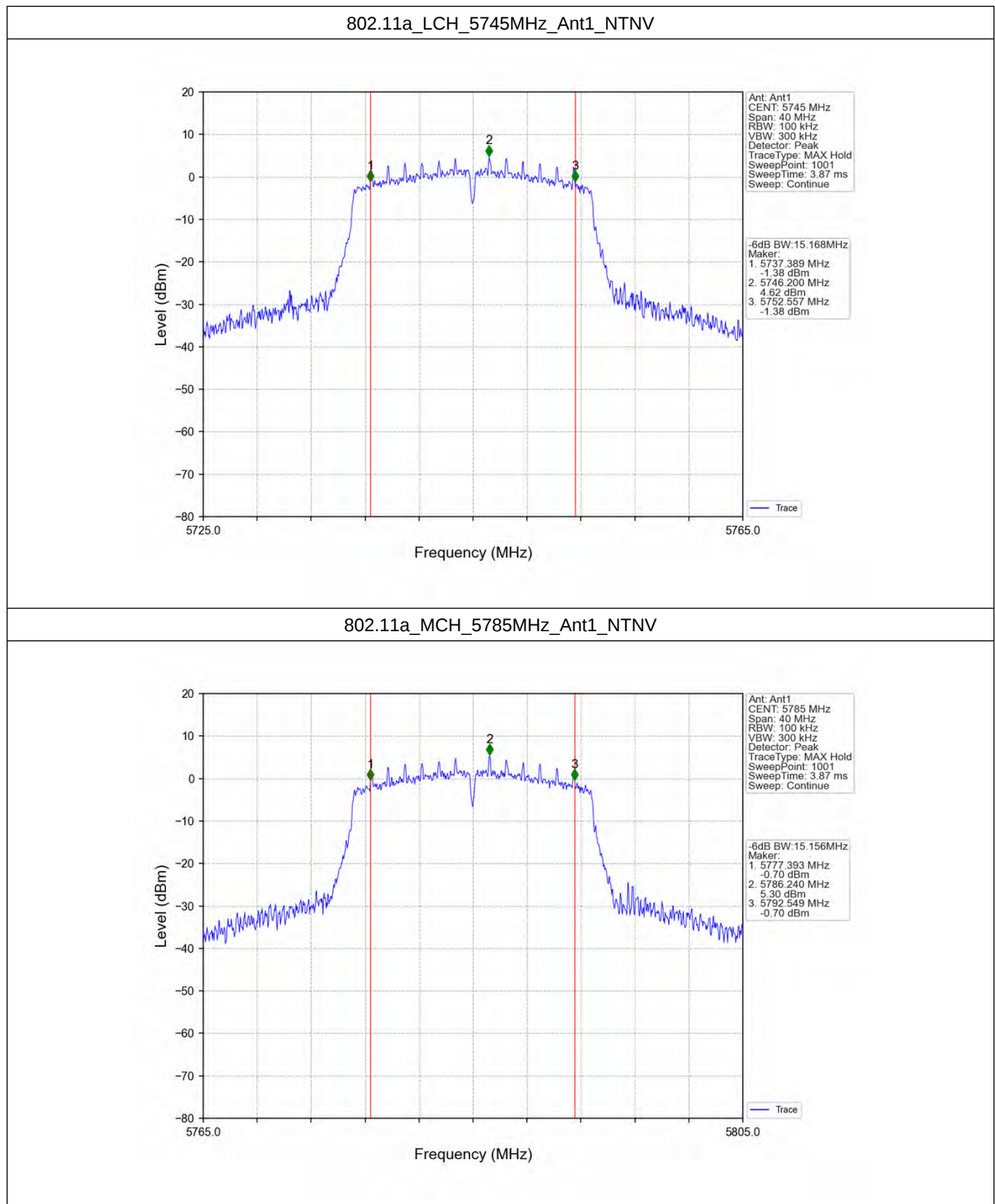


## 2.2 6dB BW

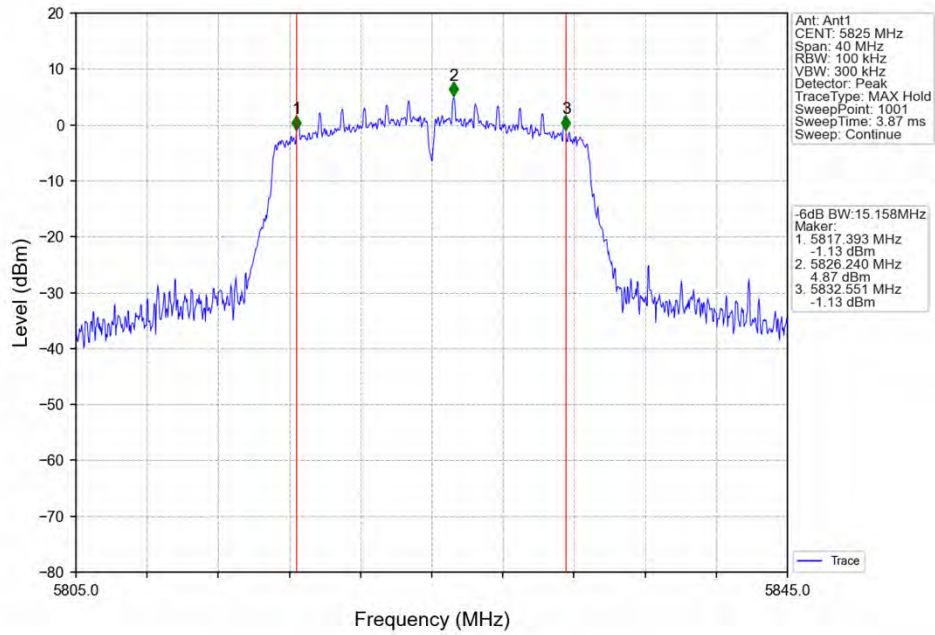
### 2.2.1 Test Result

| Mode             | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------------------|---------|-----------------|-----|---------------------|------------|---------|
|                  |         |                 |     | Result              | Limit      |         |
| 802.11a          | SISO    | 5745            | 1   | 15.168              | $\geq 0.5$ | Pass    |
|                  |         | 5785            | 1   | 15.156              | $\geq 0.5$ | Pass    |
|                  |         | 5825            | 1   | 15.158              | $\geq 0.5$ | Pass    |
| 802.11n (HT20)   | SISO    | 5745            | 1   | 15.120              | $\geq 0.5$ | Pass    |
|                  |         | 5785            | 1   | 15.147              | $\geq 0.5$ | Pass    |
|                  |         | 5825            | 1   | 15.080              | $\geq 0.5$ | Pass    |
| 802.11n (HT40)   | SISO    | 5755            | 1   | 35.142              | $\geq 0.5$ | Pass    |
|                  |         | 5795            | 1   | 35.152              | $\geq 0.5$ | Pass    |
| 802.11ac (VHT20) | SISO    | 5745            | 1   | 15.143              | $\geq 0.5$ | Pass    |
|                  |         | 5785            | 1   | 15.158              | $\geq 0.5$ | Pass    |
|                  |         | 5825            | 1   | 15.153              | $\geq 0.5$ | Pass    |
| 802.11ac (VHT40) | SISO    | 5755            | 1   | 35.149              | $\geq 0.5$ | Pass    |
|                  |         | 5795            | 1   | 35.169              | $\geq 0.5$ | Pass    |
| 802.11ac (VHT80) | SISO    | 5775            | 1   | 75.165              | $\geq 0.5$ | Pass    |

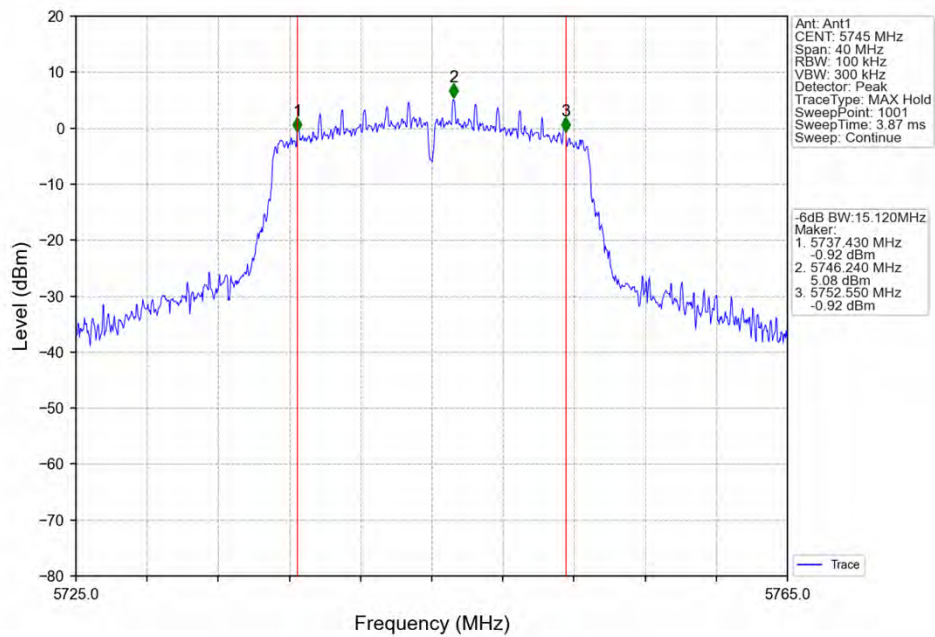
## 2.2.2 Test Graph



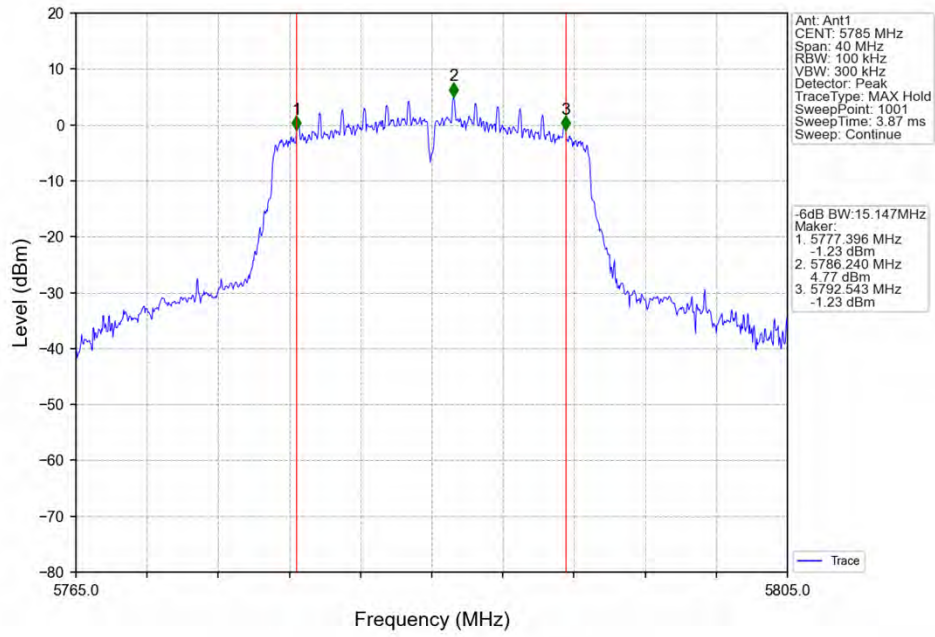
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



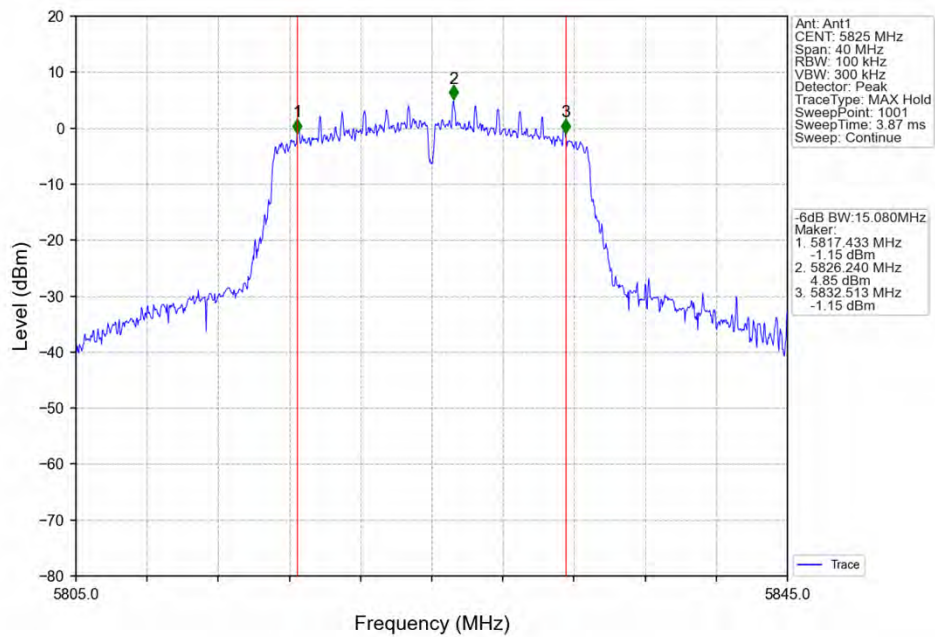
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



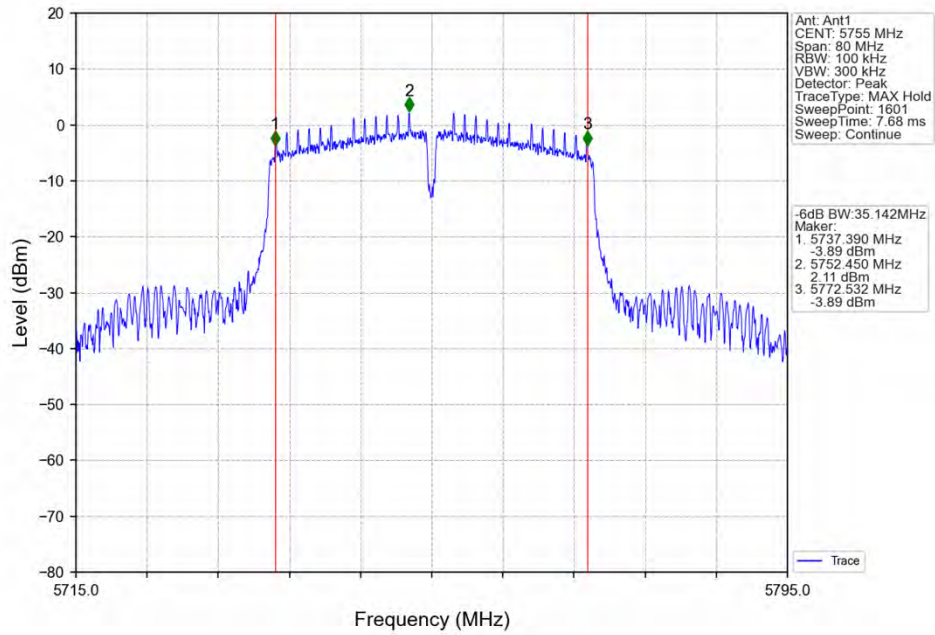
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



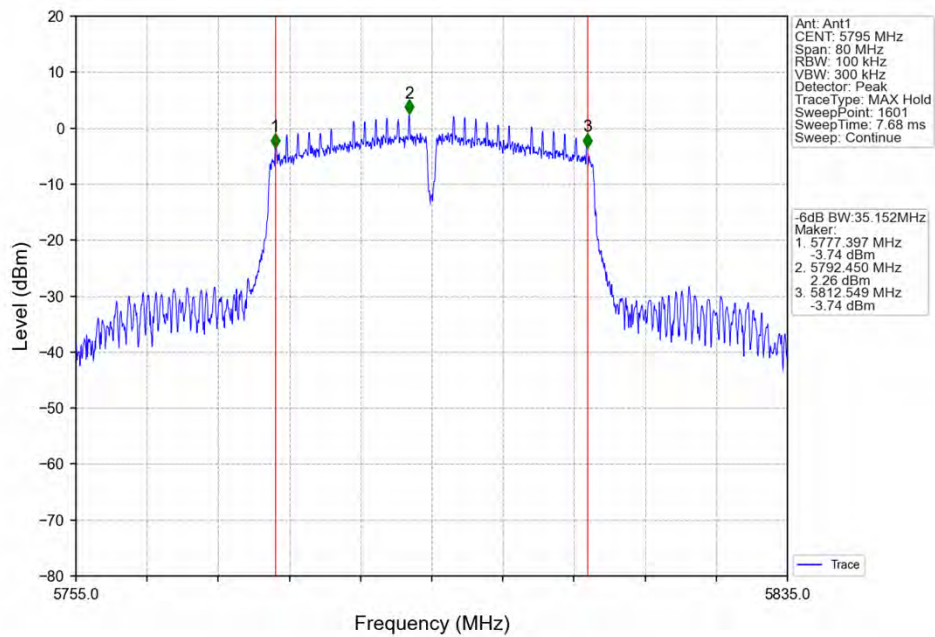
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



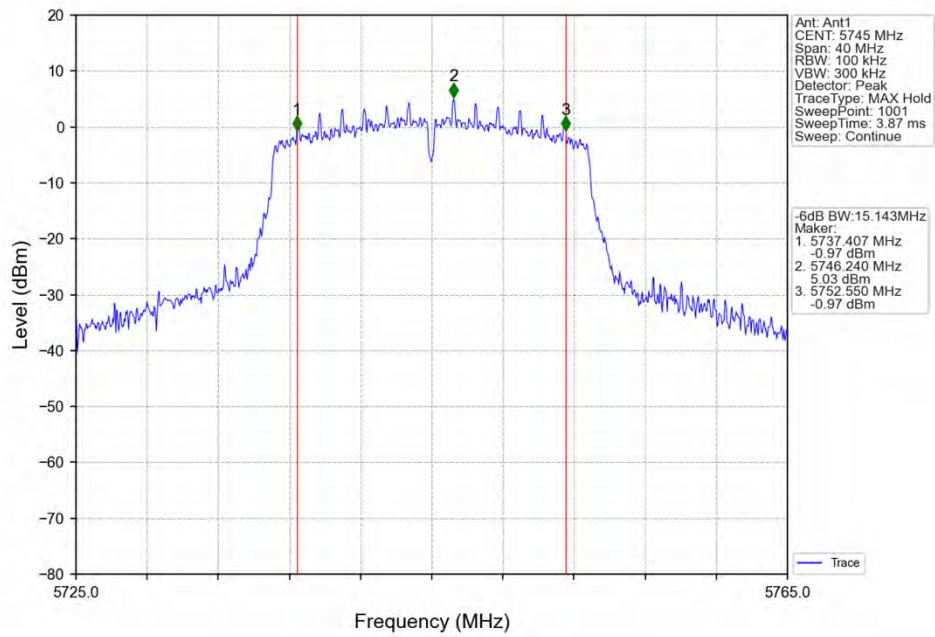
## 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



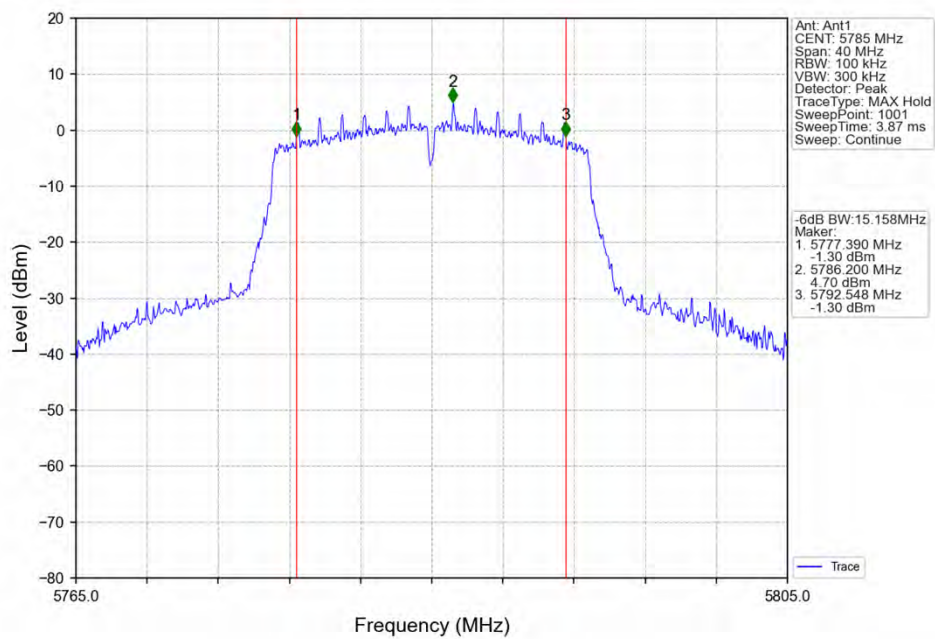
## 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



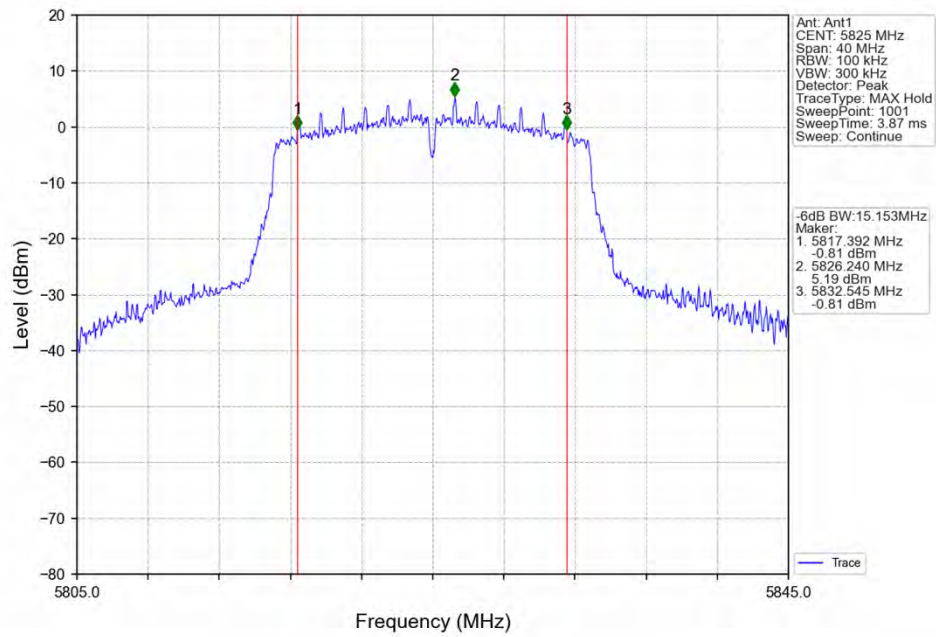
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



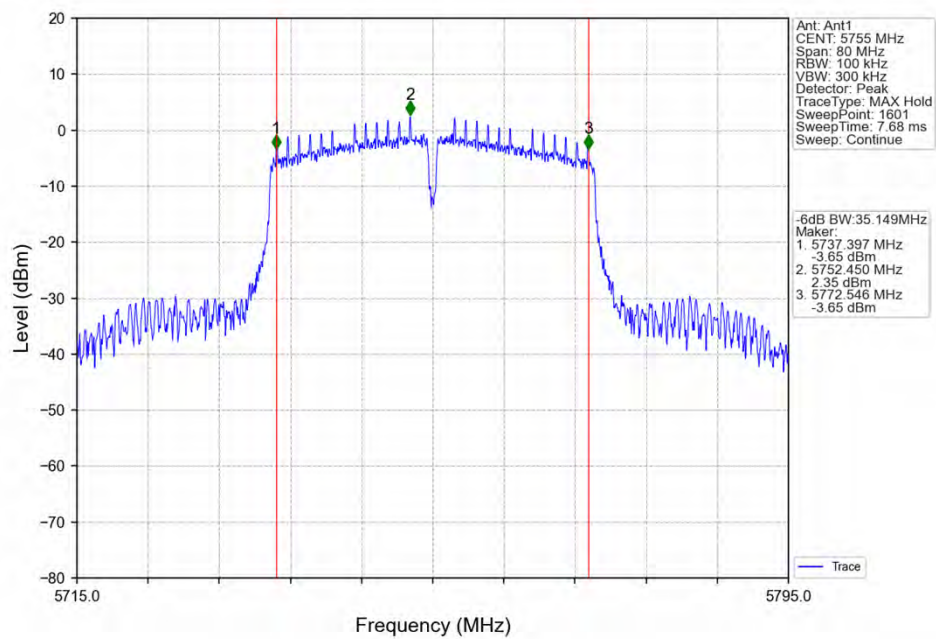
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



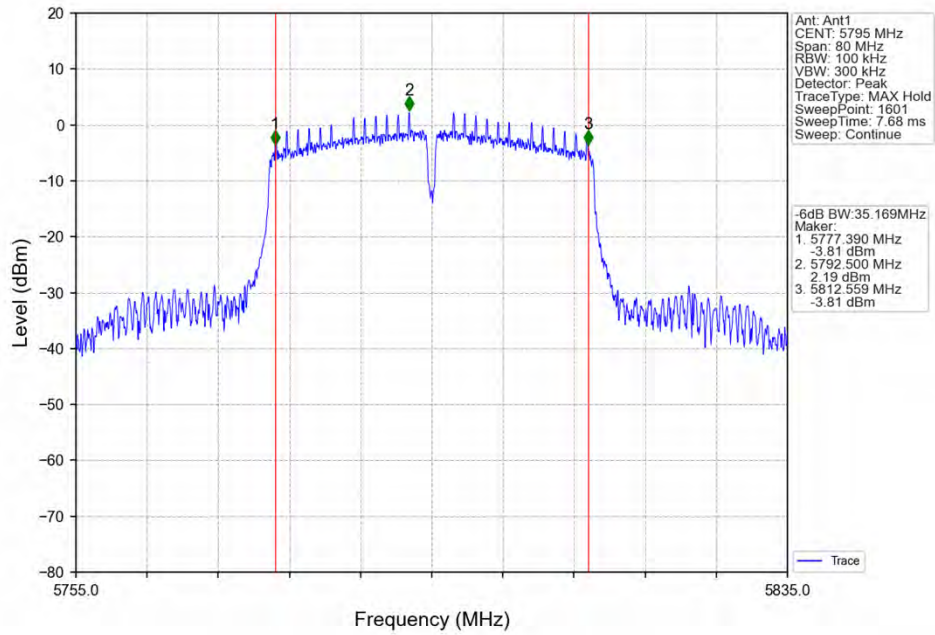
## 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



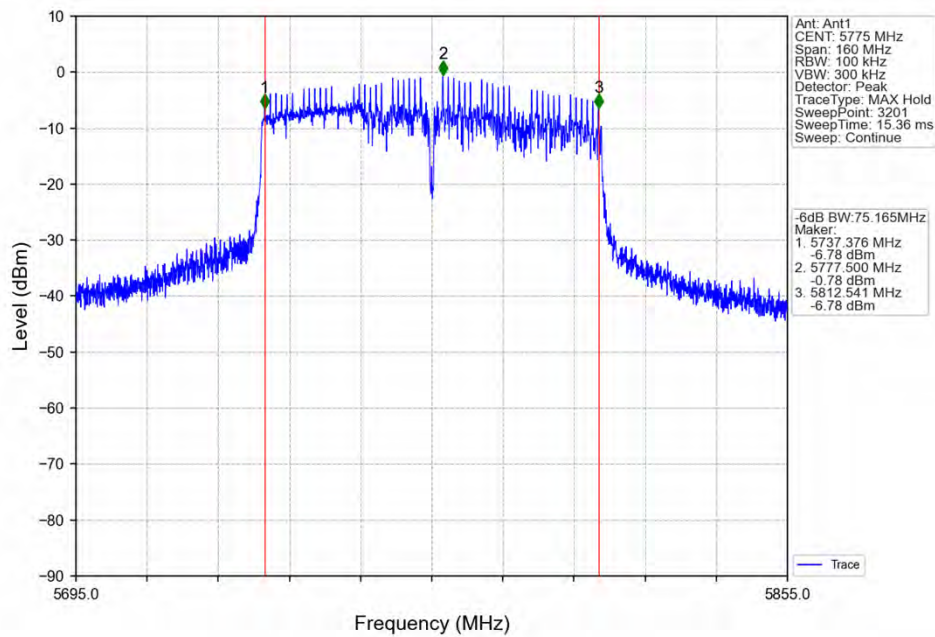
## 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV

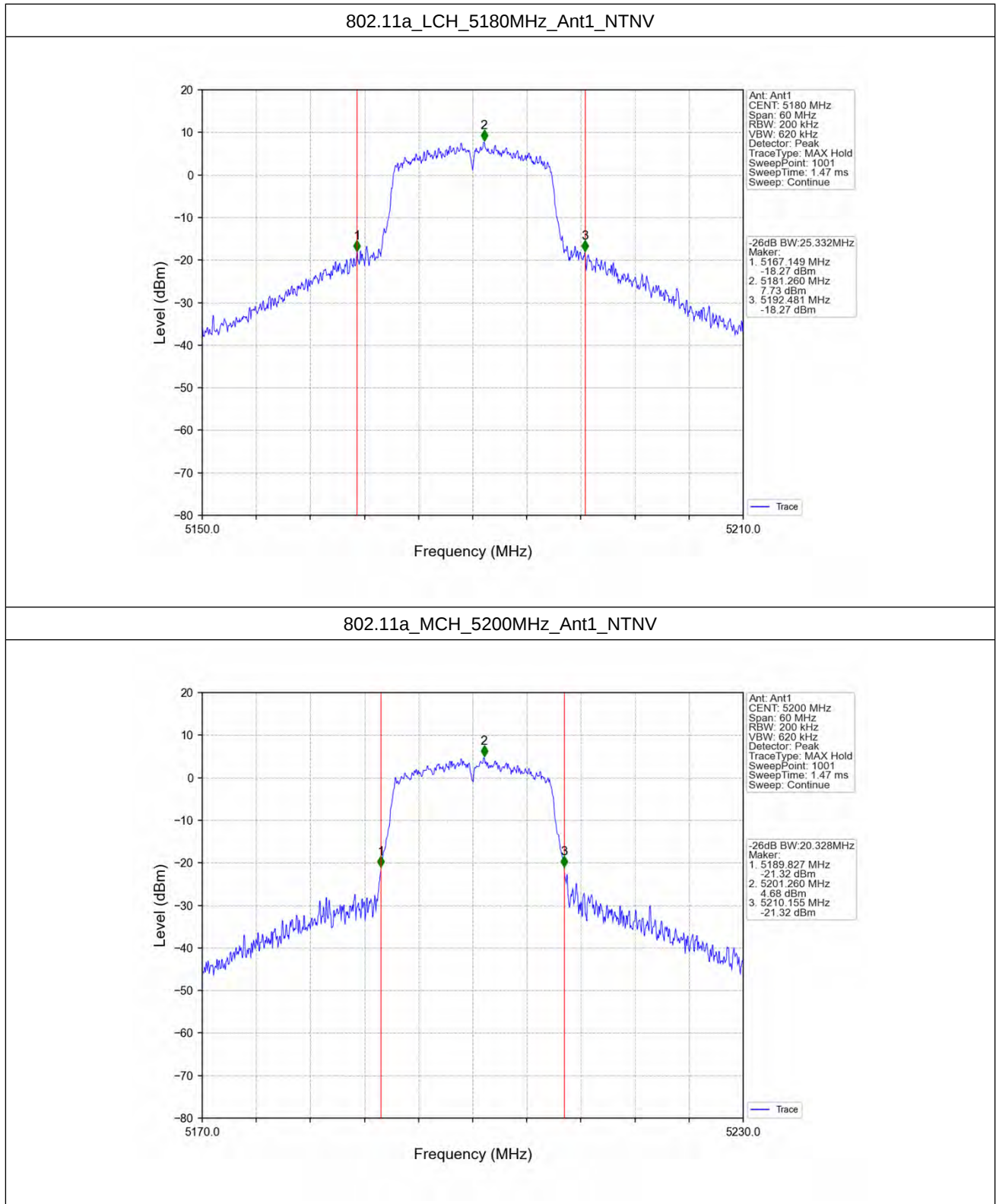


## 2.3 26dB BW

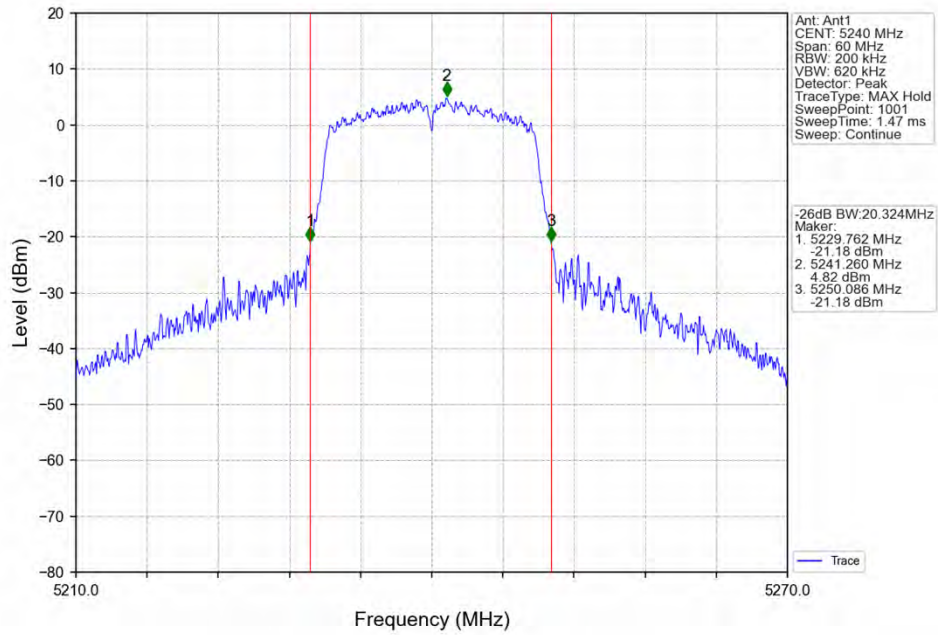
### 2.3.1 Test Result

| Mode             | TX Type | Frequency (MHz) | ANT | 26dB Bandwidth (MHz) | Verdict |
|------------------|---------|-----------------|-----|----------------------|---------|
|                  |         |                 |     | Result               |         |
| 802.11a          | SISO    | 5180            | 1   | 25.332               | Pass    |
|                  |         | 5200            | 1   | 20.328               | Pass    |
|                  |         | 5240            | 1   | 20.324               | Pass    |
| 802.11n (HT20)   | SISO    | 5180            | 1   | 20.271               | Pass    |
|                  |         | 5200            | 1   | 20.159               | Pass    |
|                  |         | 5240            | 1   | 20.211               | Pass    |
| 802.11n (HT40)   | SISO    | 5190            | 1   | 40.833               | Pass    |
|                  |         | 5230            | 1   | 40.827               | Pass    |
| 802.11ac (VHT20) | SISO    | 5180            | 1   | 20.306               | Pass    |
|                  |         | 5200            | 1   | 20.252               | Pass    |
|                  |         | 5240            | 1   | 20.191               | Pass    |
| 802.11ac (VHT40) | SISO    | 5190            | 1   | 40.793               | Pass    |
|                  |         | 5230            | 1   | 40.438               | Pass    |
| 802.11ac (VHT80) | SISO    | 5210            | 1   | 99.758               | Pass    |

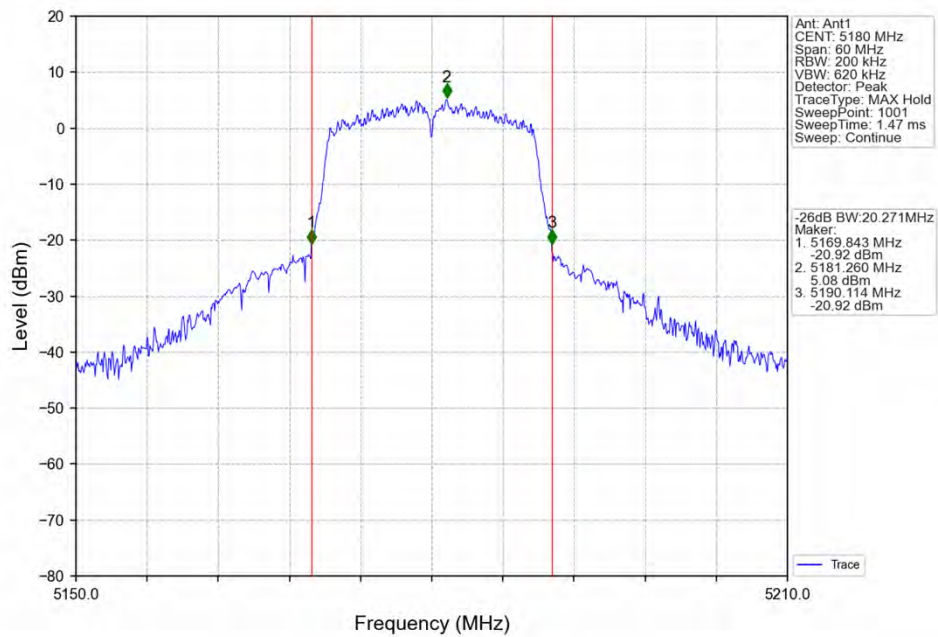
### 2.3.2 Test Graph



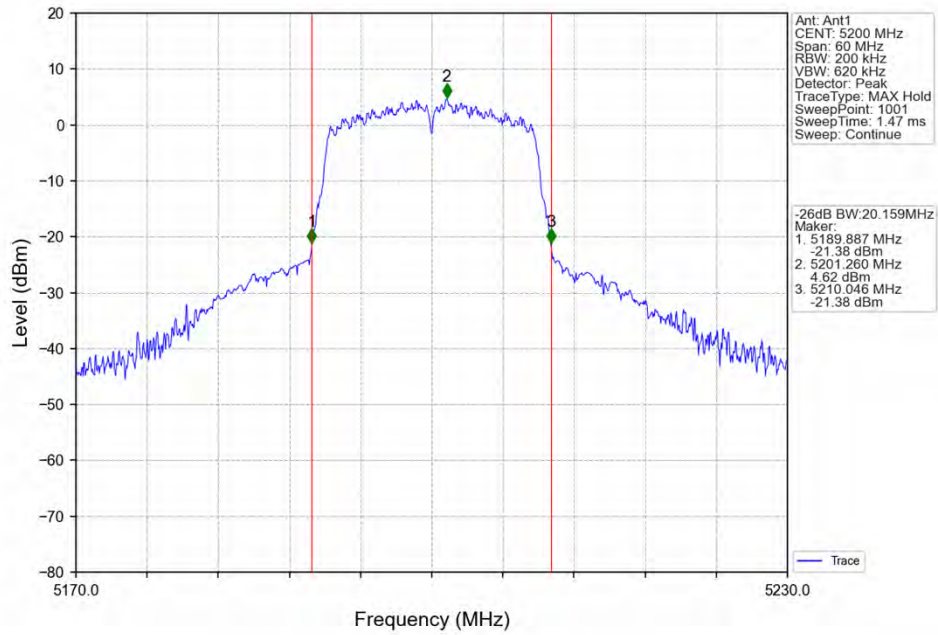
## 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



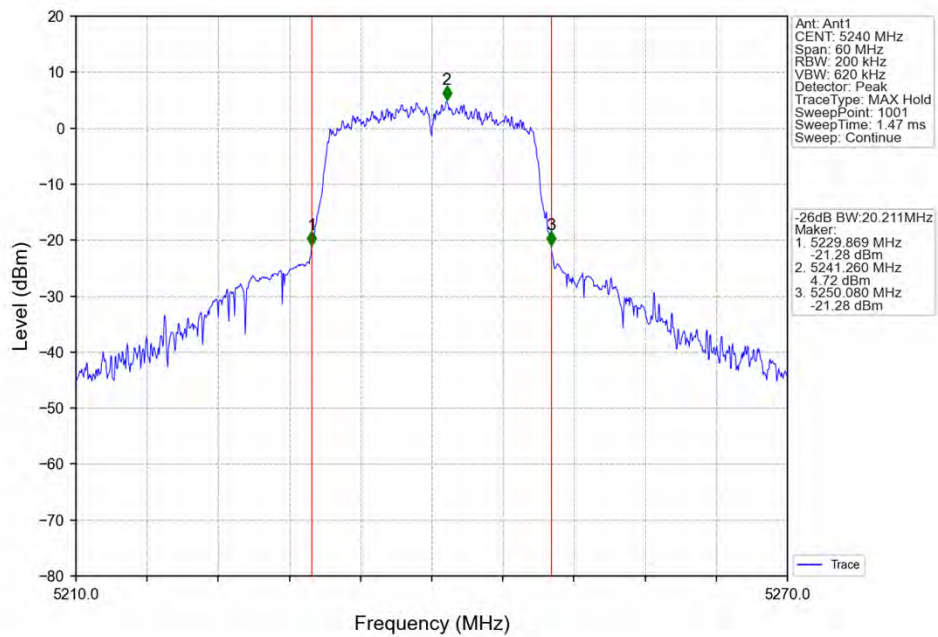
## 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



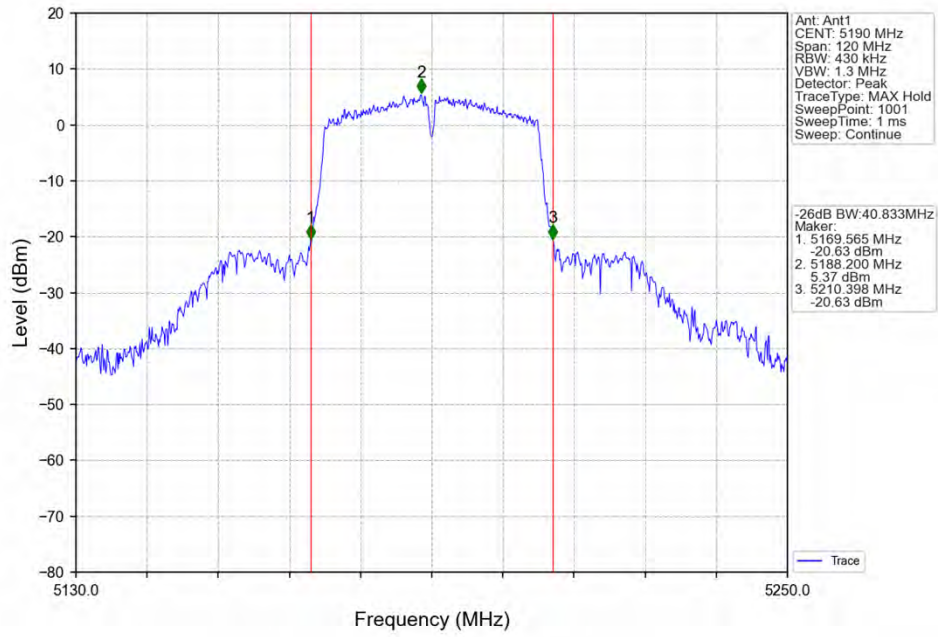
## 802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



## 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



## 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



## 802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

