



# JAPAN RADIO TEST REPORT

Equipment : MAP-AC1750  
Brand Name : ASUS  
Model Name : MAP-AC1750  
Applicant : ASUSTeK Computer Inc  
No. 15, Li-Te Rd., Beitou District, Taipei City 112, Taiwan.  
Manufacturer : ASUSTeK Computer Inc  
No. 15, Li-Te Rd., Beitou District, Taipei City 112, Taiwan.  
Standard : MIC Certification Rule, Article 2 Paragraph 1 Item 19-3  
MIC Certification Rule, Article 2 Paragraph 1 Item 19-3-2

The product was received on Mar. 07, 2018, and testing was started from Mar. 08, 2018 and completed on Mar. 27, 2018. We, SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in MIC Notice No.88 Appendix No.45 and shown compliance with the applicable MIC Ordinance Regulating Radio Equipment Article 49.20 and ARIB STD-T71 technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

**SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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**Photographs of EUT v01**



TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB Ver1.0



## Summary of Test Result

| Report Clause                                                                                                                                                                                                  | Ref Std. Clause | Test Items                     | Result (PASS/FAIL) | Remark |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|--------------------|--------|
| 1.1.2                                                                                                                                                                                                          | RLE:6           | Frequency Band                 | PASS               | -      |
| 3.1                                                                                                                                                                                                            | ORE:5           | Frequency Error                | PASS               | -      |
| 3.2                                                                                                                                                                                                            | ORE:6           | Occupied Bandwidth             | PASS               | -      |
| 3.3                                                                                                                                                                                                            | ORE:49.20       | Antenna Power, EIRP Power      | PASS               | -      |
| 3.3                                                                                                                                                                                                            | ORE:14          | Antenna Power Error            | PASS               | -      |
| 3.4                                                                                                                                                                                                            | ORE:49.20       | Transmit Power Control (TPC)   | PASS               | -      |
| 3.5                                                                                                                                                                                                            | ORE:49.20       | Adjacent Channel Power         | PASS               | -      |
| 3.6                                                                                                                                                                                                            | ORE:49.20       | Transmitter Out-band Emissions | PASS               | -      |
| 3.7                                                                                                                                                                                                            | ORE:7, Table 3  | Transmitter Spurious Emissions | PASS               | -      |
| 3.8                                                                                                                                                                                                            | ORE:24          | Receiver Spurious Emissions    | PASS               | -      |
| 3.9                                                                                                                                                                                                            | TR:9            | Identification Code            | PASS               | -      |
| 3.10                                                                                                                                                                                                           | ORE:49.20       | Transmission Burst Length      | PASS               | -      |
| 3.11                                                                                                                                                                                                           | TR:9            | Carrier Sense                  | PASS               | -      |
| 3.12                                                                                                                                                                                                           | ORE:49.20       | EUT Construction Protection    | PASS               | -      |
| RLE: Radio Law Enforcement Regulations<br>ORE: Ordinance Regulating Radio Equipment<br>TR: Terminal and Other Equipment Regulations<br>NT: Notification of the Ministry of Internal Affairs and Communications |                 |                                |                    |        |

**Reviewed by: Sam Chen****Report Producer: Emily Chen**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11         | Ch. Frequency (MHz) | Channel Number |
|-----------------------|--------------------------|---------------------|----------------|
| 5150-5250             | a, n (HT20), ac (VHT20), | 5180-5240           | 36-48 [4]      |
| 5250-5350             |                          | 5260-5320           | 52-64 [4]      |
| 5470-5725             |                          | 5500-5700           | 100-140 [11]   |
| 5150-5250             | n (HT40), ac (VHT40),    | 5190-5230           | 38-46 [2]      |
| 5250-5350             |                          | 5270-5310           | 54-62 [2]      |
| 5470-5725             |                          | 5510-5670           | 102-134 [5]    |
| 5150-5250             | ac (VHT80)               | 5210                | 42 [1]         |
| 5250-5350             |                          | 5290                | 58 [1]         |
| 5470-5725             |                          | 5530-5610           | 106-122 [2]    |

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 5.15-5.25GHz  | 802.11a        | 20         | 3TX  |
| 5.15-5.25GHz  | 802.11n HT20   | 20         | 3TX  |
| 5.15-5.25GHz  | 802.11ac VHT20 | 20         | 3TX  |
| 5.15-5.25GHz  | 802.11n HT40   | 40         | 3TX  |
| 5.15-5.25GHz  | 802.11ac VHT40 | 40         | 3TX  |
| 5.15-5.25GHz  | 802.11ac VHT80 | 80         | 3TX  |
| 5.25-5.35GHz  | 802.11a        | 20         | 3TX  |
| 5.25-5.35GHz  | 802.11n HT20   | 20         | 3TX  |
| 5.25-5.35GHz  | 802.11ac VHT20 | 20         | 3TX  |
| 5.25-5.35GHz  | 802.11n HT40   | 40         | 3TX  |
| 5.25-5.35GHz  | 802.11ac VHT40 | 40         | 3TX  |
| 5.25-5.35GHz  | 802.11ac VHT80 | 80         | 3TX  |
| 5.47-5.725GHz | 802.11a        | 20         | 3TX  |
| 5.47-5.725GHz | 802.11n HT20   | 20         | 3TX  |
| 5.47-5.725GHz | 802.11ac VHT20 | 20         | 3TX  |
| 5.47-5.725GHz | 802.11n HT40   | 40         | 3TX  |
| 5.47-5.725GHz | 802.11ac VHT40 | 40         | 3TX  |
| 5.47-5.725GHz | 802.11ac VHT80 | 80         | 3TX  |

**Note:**

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

| Band     | Mode  | Declared Power (mW/MHz) |
|----------|-------|-------------------------|
| 5.2&5.3G | 11a   | 5.04 / 4.97             |
| 5.2&5.3G | VHT20 | 5.19 / 5.21             |
| 5.2&5.3G | VHT40 | 2.60 / 2.53             |
| 5.2&5.3G | VHT80 | 1.28 / 1.31             |
| 5.6G     | 11a   | 9.98                    |
| 5.6G     | VHT20 | 9.16                    |
| 5.6G     | VHT40 | 4.67                    |
| 5.6G     | VHT80 | 2.43                    |

**1.1.2 Frequency Band**

| Frequency Band                      |                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | W52:                                                                           |
| <input checked="" type="checkbox"/> | (20MHz) - 5180, 5200, 5220, 5240 MHz                                           |
| <input checked="" type="checkbox"/> | (40MHz) - 5190, 5230MHz                                                        |
| <input checked="" type="checkbox"/> | (80MHz) - 5210MHz                                                              |
| <input checked="" type="checkbox"/> | W53:                                                                           |
| <input checked="" type="checkbox"/> | (20MHz) - 5260, 5280, 5300, 5320 MHz;;                                         |
| <input checked="" type="checkbox"/> | (40MHz) - 5270, 5310MHz                                                        |
| <input checked="" type="checkbox"/> | (80MHz) - 5290MHz                                                              |
| <input type="checkbox"/>            | W52+W53:                                                                       |
| <input type="checkbox"/>            | (160MHz) contiguous – 5250MHz                                                  |
| <input checked="" type="checkbox"/> | W56:                                                                           |
| <input checked="" type="checkbox"/> | (20MHz) - 5500, 5520, 5540, 5560, 5580, 5600, 5620, 5640, 5660, 5680, 5700MHz; |
| <input checked="" type="checkbox"/> | (40MHz) - 5510, 5550, 5590, 5630, 5670MHz                                      |
| <input checked="" type="checkbox"/> | (80MHz) - 5530, 5610MHz                                                        |
| <input type="checkbox"/>            | (160MHz) contiguous - 5570MHz                                                  |
| <input type="checkbox"/>            | W52+W56: (80+80 MHz) non-contiguous - 5210, 5530MHz or 5210, 5610MHz           |
| <input type="checkbox"/>            | W53+W56: (80+80 MHz) non-contiguous - 5290, 5530MHz or 5290, 5610MHz           |

**1.1.3 Antenna Information**

| Ant. | 2.4GHz Port | 5GHz Port | Brand  | Part Number   | Antenna Type   | Connector | Gain (dBi) |
|------|-------------|-----------|--------|---------------|----------------|-----------|------------|
| 1    | 1           | 2         | WHA YU | C059-510402-A | Dipole Antenna | I-PEX     | Note 1     |
| 2    | 2           | 3         | WHA YU | C059-510402-A | Dipole Antenna | I-PEX     |            |
| 3    | 3           | 1         | WHA YU | C059-510402-A | Dipole Antenna | I-PEX     |            |
| 4    | 1           | -         | WHA YU | C059-510402-A | Dipole Antenna | I-PEX     |            |

Note 1

| Ant. | Gain      |                |                |                |           |
|------|-----------|----------------|----------------|----------------|-----------|
|      | WLAN 2.4G | WLAN 5G Band 1 | WLAN 5G Band 2 | WLAN 5G Band 3 | Bluetooth |
| 1    | 2.21      | 2.70           | 2.69           | 2.65           | -         |
| 2    | 2.28      | 2.81           | 2.81           | 2.61           | -         |
| 3    | 2.41      | 1.97           | 2.38           | 2.46           | -         |
| 4    | -         | -              | -              | -              | 2.00      |

Note 2: The EUT has four antennas.

**For WLAN function (3TX, 3RX):**

Ant. 1 ~ Ant. 3 can be used as transmitting/receiving antenna.

Ant. 1 ~ Ant. 3 could transmit/receive simultaneously.

**For Bluetooth function (1TX, 1RX):**

Only Ant. 4 can be used as transmitting/receiving functions.

### 1.1.4 EUT Information

|                              |                                                        |                                      |  |
|------------------------------|--------------------------------------------------------|--------------------------------------|--|
| <b>EUT Power Type</b>        | From Power Adapter                                     |                                      |  |
| <b>TPC Function</b>          | <input checked="" type="checkbox"/> With TPC           | <input type="checkbox"/> Without TPC |  |
| <b>Operate Mode</b>          | <input checked="" type="checkbox"/> Master             |                                      |  |
|                              | <input type="checkbox"/> Slave with radar detection    |                                      |  |
|                              | <input type="checkbox"/> Slave without radar detection |                                      |  |
| <b>Test Software Version</b> | QRCT                                                   |                                      |  |

### 1.1.5 Mode Test Duty Cycle

| Mode                           | DC    | DCF(dB) |
|--------------------------------|-------|---------|
| 802.11a_Nss1_3TX               | 0.95  | 0.223   |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 0.963 | 0.164   |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 0.912 | 0.4     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 0.838 | 0.768   |

### 1.1.6 Power Supply Voltage Fluctuation

| Fluctuation | AC Input Power(V) | DC Output Power(V) | Variation (%) |
|-------------|-------------------|--------------------|---------------|
| Normal Vol  | 100               | 12.22              | -             |
| High Vol    | 110               | 12.22              | 0.000000      |
| Low Vol     | 90                | 12.22              | 0.000000      |

Note: Voltage Variation (%) = (Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100.  
 During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.



## 1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ MIC Ordinance Regulating Radio Equipment Article 49.20
- ♦ MIC Notice No.88 Appendix No.45

## 1.3 Testing Location Information

| Testing Location                    |        |                                                                                  |                      |                      |
|-------------------------------------|--------|----------------------------------------------------------------------------------|----------------------|----------------------|
| <input type="checkbox"/>            | HWA YA | ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.   | TEL : 886-3-327-3456 | FAX : 886-3-318-0055 |
| <input checked="" type="checkbox"/> | JHUBEI | ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. | TEL : 886-3-656-9065 | FAX : 886-3-656-9085 |

| Test Condition | Test Site No. | Test Engineer         | Test Environment | Test Date                   |
|----------------|---------------|-----------------------|------------------|-----------------------------|
| RF Conducted   | TH01-CB       | Paul Chen / Brian Sun | 22°C / 54%       | Mar. 08, 2018~Mar. 27, 2018 |

## 1.4 Measurement Uncertainty

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

| Test Items         | Uncertainty              | Remark                   |
|--------------------|--------------------------|--------------------------|
| Conducted Emission | 1.7 dB                   | Confidence levels of 95% |
| Radio frequency    | $6.6 \times 10^{-8}$ MHz | Confidence levels of 95% |

## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_Nss1_3TX               | -             |
| 5180MHz                        | 14            |
| 5240MHz                        | 14            |
| 5260MHz                        | 13.5          |
| 5320MHz                        | 13.5          |
| 5500MHz                        | 15.5          |
| 5600MHz                        | 16.5          |
| 5700MHz                        | 16            |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 13.5          |
| 5240MHz                        | 13.5          |
| 5260MHz                        | 13.5          |
| 5320MHz                        | 14.5          |
| 5500MHz                        | 15.5          |
| 5600MHz                        | 16            |
| 5700MHz                        | 16            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 13            |
| 5230MHz                        | 13            |
| 5270MHz                        | 13            |
| 5310MHz                        | 13.5          |
| 5510MHz                        | 15.5          |
| 5590MHz                        | 16            |
| 5670MHz                        | 16.5          |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -             |
| 5210MHz                        | 10            |
| 5290MHz                        | 10.5          |
| 5530MHz                        | 15            |
| 5610MHz                        | 16            |

**Note:**

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.



## 2.2 The Worst Case Measurement Configuration

|                       |                                                                                                                                                                                                                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>     | Frequency Error, Occupied Bandwidth, Antenna Power, Antenna Power Error, EIRP Power, Transmit Power Control (TPC), Adjacent Channel Power, Transmitter Out-band Emissions, Transmitter Spurious Emissions, Receiver Spurious Emissions, Transmission Burst Length, Identification Code, Carrier Sense |
| <b>Test Condition</b> | Conducted measurement at transmit chains.                                                                                                                                                                                                                                                             |

Note 1: The EUT supports AP/Repeater/ Mesh, only Repeater mode has been tested and recorded in this test report.

Note 2: The EUT can only be used in Z axis position.

## 2.3 EUT Operation during Test

During the test, "QRCT" under WIN7 was executed the test program to control the EUT continuously transmit/receive RF signal.

## 2.4 Accessories

| Accessories                     |         |            |                        |                                                     |
|---------------------------------|---------|------------|------------------------|-----------------------------------------------------|
| No.                             | Power   | Brand Name | Model Name             | Rating                                              |
| 1                               | Adapter | DVE        | DSA-18CB-12 FCA 120150 | Input: 100-240V~50/60Hz, 0.6A<br>Output: +12V, 1.5A |
| Others                          |         |            |                        |                                                     |
| Plug*1                          |         |            |                        |                                                     |
| RJ-45 cable*1, Non Shielded, 1m |         |            |                        |                                                     |

## 2.5 Support Equipment

For Other Test :

| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| 1                 | NB        | DELL       | E4300      | DoC    |

For Carrier Sensing Function Test:

| Support Equipment |             |            |            |            |
|-------------------|-------------|------------|------------|------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID     |
| 1                 | NB*2        | DELL       | E4300      | DoC        |
| 2                 | WLAN Dongle | LINKSYS    | AE6000     | Q87-AE6000 |

### 3 Test Result

#### 3.1 Frequency Error

##### 3.1.1 Frequency Error Limit

| Frequency Error Limit |
|-----------------------|
| $\leq \pm 20$ ppm     |

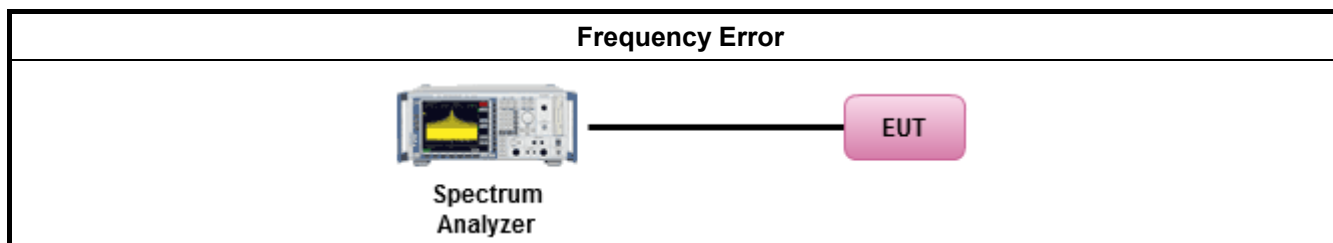
##### 3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

##### 3.1.3 Test Procedures

| Test Method                        |                                             |
|------------------------------------|---------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.43, clause 3.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 3.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.43, clause 3.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.43, clause 3.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.43, clause 3.6 |

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Frequency Error

Refer as Appendix A

## 3.2 Occupied Bandwidth

### 3.2.1 Occupied Bandwidth Limit

| Occupied Bandwidth Limit                                          |  |
|-------------------------------------------------------------------|--|
| (BW <sub>ch</sub> 20MHz) [W52/W53] - ≤ 18MHz (OFDM, DSSS, Other); |  |
| (BW <sub>ch</sub> 20MHz) [W56] - ≤ 19.7MHz (OFDM, DSSS, Other);   |  |
| (BW <sub>ch</sub> 40MHz) - ≤ 38MHz (OFDM);                        |  |
| (BW <sub>ch</sub> 80MHz) - ≤ 78MHz (OFDM);                        |  |
| (BW <sub>ch</sub> 160MHz - contiguous) - ≤ 158MHz (OFDM)          |  |
| (BW <sub>ch</sub> 80+80MHz - non-contiguous) - ≤ 78MHz (OFDM)     |  |

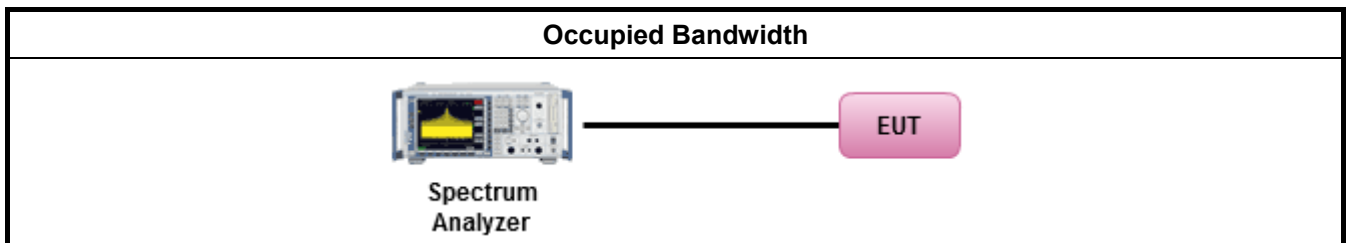
### 3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.2.3 Test Procedures

| Test Method                        |                                             |
|------------------------------------|---------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.43, clause 4.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 4.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.43, clause 4.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.43, clause 4.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.43, clause 4.6 |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Occupied Bandwidth

Refer as Appendix B

### 3.3 Antenna Power, Antenna Power Error and EIRP Power

#### 3.3.1 Antenna Power, Antenna Power Error and EIRP Power Limit

| Antenna Power Limit (mW/MHz)                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------|
| W52/W53/W56:<br>(BW <sub>ch</sub> 20MHz) - ≤10; (BW <sub>ch</sub> 40MHz) - ≤5; (BW <sub>ch</sub> 80MHz) - ≤2.5; (BW <sub>ch</sub> 160MHz) - ≤1.25; |

| Antenna Power Error Limit (%)          |
|----------------------------------------|
| W52/W53: +20% ~ -80%; W56: +50% ~ -50% |

| EIRP Limit (mW/MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>W52</b><br>(BW <sub>ch</sub> 20MHz) - ≤10 ; (BW <sub>ch</sub> 40MHz) - ≤5 ; (BW <sub>ch</sub> 80MHz) - ≤2.5 ; (BW <sub>ch</sub> 160MHz) - ≤1.25<br><b>W53 with TPC</b><br>(BW <sub>ch</sub> 20MHz) - ≤10 ; (BW <sub>ch</sub> 40MHz) - ≤5 ; (BW <sub>ch</sub> 80MHz) - ≤2.5 ; (BW <sub>ch</sub> 160MHz) - ≤1.25<br><b>W53 w/o TPC</b><br>(BW <sub>ch</sub> 20MHz) - ≤5 ; (BW <sub>ch</sub> 40MHz) - ≤2.5 ; (BW <sub>ch</sub> 80MHz) - ≤1.25 ; (BW <sub>ch</sub> 160MHz) - ≤0.625<br><b>W56 with TPC</b><br>(BW <sub>ch</sub> 20MHz) - ≤50 ; (BW <sub>ch</sub> 40MHz) - ≤25 ; (BW <sub>ch</sub> 80MHz) - ≤12.5 ; (BW <sub>ch</sub> 160MHz) - ≤6.25<br><b>W56 w/o TPC</b><br>(BW <sub>ch</sub> 20MHz) - ≤25 ; (BW <sub>ch</sub> 40MHz) - ≤12.5 ; (BW <sub>ch</sub> 80MHz) - ≤6.25 ; (BW <sub>ch</sub> 160MHz) - ≤3.125 |

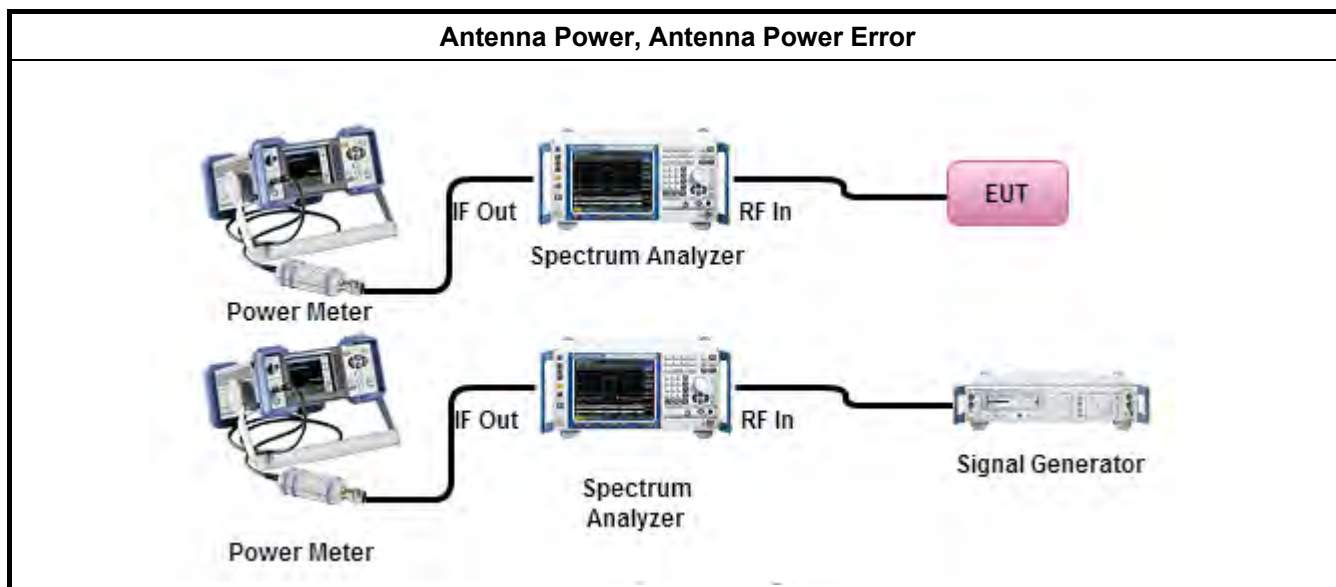
#### 3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.3.3 Test Procedures

| Test Method                        |                                             |
|------------------------------------|---------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.43, clause 6.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 6.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.43, clause 6.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.43, clause 6.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.43, clause 6.6 |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Antenna Power, Antenna Power Error and EIRP Power

Refer as Appendix C

### 3.4 Transmit Power Control (TPC)

#### 3.4.1 Transmit Power Control (TPC) Limit

| Transmit Power Control (TPC) Limit                                                                                                                                       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| TPC $\geq$ 3dB decrease of maximum antenna power                                                                                                                         |  |
| If the companion device and EUT cannot be established, then it is difficult to measure. Verify in TPC technical document (the ability to decrease by 3dB antenna power). |  |

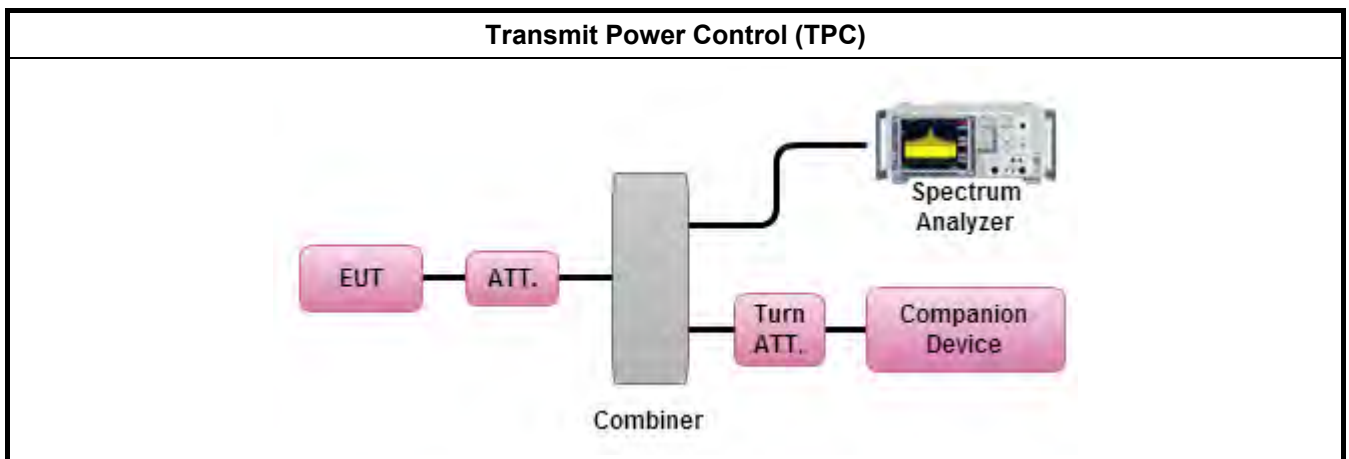
#### 3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.4.3 Test Procedures

| Test Method                        |                                              |
|------------------------------------|----------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.45, clause 11.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.45, clause 11.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.45, clause 11.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.45, clause 11.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.45, clause 11.6 |

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Transmit Power Control (TPC)

Refer as Appendix D

## 3.5 Adjacent Channel Power

### 3.5.1 Adjacent Channel Power Limit

| Adjacent Channel Power Limit                                             |  |
|--------------------------------------------------------------------------|--|
| (BW <sub>ch</sub> 20MHz & CP/OBW≤18MHz) - fc±20MHz ≥25dB; fc±40MHz ≥40dB |  |
| (BW <sub>ch</sub> 20MHz & CP/OBW≤19MHz) - fc±20MHz ≥25dB; fc±40MHz ≥40dB |  |
| (BW <sub>ch</sub> 40MHz & CP/OBW≤38MHz) - fc±40MHz ≥25dB; fc±80MHz ≥40dB |  |
| (BW <sub>ch</sub> 80MHz & CP/OBW≤78MHz) - fc±80MHz ≥25dB                 |  |
| (BW <sub>ch</sub> 80+80MHz & CP/OBW≤78MHz) - fc±80MHz ≥25dB              |  |
| (BW <sub>ch</sub> 160MHz & CP/OBW≤158MHz) - N/A                          |  |

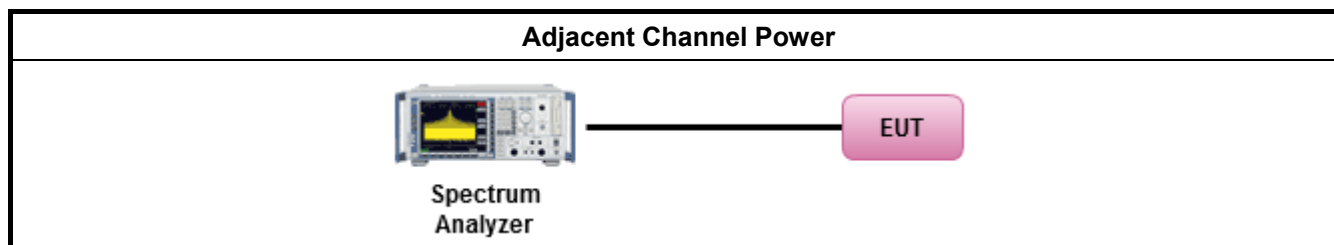
### 3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.5.3 Test Procedures

| Test Method                        |                                             |
|------------------------------------|---------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.45, clause 7.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.45, clause 7.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.45, clause 7.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.45, clause 7.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.45, clause 7.6 |

### 3.5.4 Test Setup



### 3.5.5 Test Result of Adjacent Channel Power

Refer as Appendix E

### 3.6 Transmitter Out-band Emissions

#### 3.6.1 Transmitter Out-band Emissions Limit

| W52 - BW <sub>ch</sub> 20MHz (OBW≤18MHz) |        |            |        |         |     |
|------------------------------------------|--------|------------|--------|---------|-----|
| Out Band Emissions                       |        | EIRP Limit |        |         |     |
| Range (MHz)                              |        | mW/MHz     |        | dBm/MHz |     |
| 5140                                     | 5142   | 0.0025     | 0.0025 | -26     | -26 |
| 5142                                     | 5150   | 0.015      | 0.015  | -18     | -18 |
| 5250                                     | 5251   | 1          | 0.1    | 0       | -10 |
| 5251                                     | 5260   | 0.1        | 0.0158 | -10     | -18 |
| 5260                                     | 5266.7 | 0.0158     | 0.0025 | -18     | -26 |
| 5266.7                                   | 5360   | 0.0025     | 0.0025 | -26     | -26 |

| W52 - BW <sub>ch</sub> 40MHz |        |            |        |         |     |
|------------------------------|--------|------------|--------|---------|-----|
| Out Band Emissions           |        | EIRP Limit |        |         |     |
| Range (MHz)                  |        | mW/MHz     |        | dBm/MHz |     |
| 5100                         | 5141.6 | 0.0025     | 0.0025 | -26     | -26 |
| 5141.6                       | 5150   | 0.015      | 0.015  | -18     | -18 |
| 5250                         | 5251   | 0.5        | 0.05   | -3      | -13 |
| 5251                         | 5270   | 0.05       | 0.0079 | -13     | -21 |
| 5270                         | 5278.4 | 0.0079     | 0.0025 | -21     | -26 |
| 5278.4                       | 5400   | 0.0025     | 0.0025 | -26     | -26 |

| W52 - BW <sub>ch</sub> 80MHz |        |            |        |         |     |
|------------------------------|--------|------------|--------|---------|-----|
| Out Band Emissions           |        | EIRP Limit |        |         |     |
| Range (MHz)                  |        | mW/MHz     |        | dBm/MHz |     |
| 5020                         | 5123.2 | 0.0025     | 0.0025 | -26     | -26 |
| 5123.2                       | 5150   | 0.015      | 0.015  | -18     | -18 |
| 5250                         | 5251   | 0.25       | 0.025  | -6      | -16 |
| 5251                         | 5290   | 0.025      | 0.0040 | -16     | -24 |
| 5290                         | 5296.7 | 0.0040     | 0.0025 | -24     | -26 |
| 5296.7                       | 5480   | 0.0025     | 0.0025 | -26     | -26 |

| <b>W53 - BW<sub>ch</sub> 20MHz (OBW≤18MHz)</b> |        |                   |        |                |     |
|------------------------------------------------|--------|-------------------|--------|----------------|-----|
| <b>Out Band Emissions</b>                      |        | <b>EIRP Limit</b> |        |                |     |
| <b>Range (MHz)</b>                             |        | <b>mW/MHz</b>     |        | <b>dBm/MHz</b> |     |
| 5140                                           | 5233.3 | 0.0025            | 0.0025 | -26            | -26 |
| 5233.3                                         | 5240   | 0.0025            | 0.0158 | -26            | -18 |
| 5240                                           | 5249   | 0.0158            | 0.1    | -18            | -10 |
| 5249                                           | 5250   | 0.1               | 1      | -10            | 0   |
| 5350                                           | 5360   | 0.0025            | 0.0025 | -26            | -26 |

| <b>W53 - BW<sub>ch</sub> 40MHz</b> |        |                   |        |                |     |
|------------------------------------|--------|-------------------|--------|----------------|-----|
| <b>Out Band Emissions</b>          |        | <b>EIRP Limit</b> |        |                |     |
| <b>Range (MHz)</b>                 |        | <b>mW/MHz</b>     |        | <b>dBm/MHz</b> |     |
| 5100                               | 5210   | 0.0025            | 0.0025 | -26            | -26 |
| 5210                               | 5221.6 | 0.0025            | 0.0025 | -26            | -26 |
| 5221.6                             | 5230   | 0.0025            | 0.0079 | -26            | -21 |
| 5230                               | 5249   | 0.0079            | 0.05   | -21            | -13 |
| 5249                               | 5250   | 0.05              | 0.5    | -13            | -3  |
| 5350                               | 5358.4 | 0.015             | 0.015  | -18            | -18 |
| 5358.4                             | 5400   | 0.0025            | 0.0025 | -26            | -26 |

| <b>W53 - BW<sub>ch</sub> 80MHz</b> |        |                   |        |                |     |
|------------------------------------|--------|-------------------|--------|----------------|-----|
| <b>Out Band Emissions</b>          |        | <b>EIRP Limit</b> |        |                |     |
| <b>Range (MHz)</b>                 |        | <b>mW/MHz</b>     |        | <b>dBm/MHz</b> |     |
| 5020                               | 5203.3 | 0.0025            | 0.0025 | -26            | -26 |
| 5203.3                             | 5210   | 0.0025            | 0.0040 | -26            | -24 |
| 5210                               | 5249   | 0.0040            | 0.025  | -24            | -16 |
| 5249                               | 5250   | 0.025             | 0.25   | -16            | -6  |
| 5350                               | 5376.8 | 0.015             | 0.015  | -18            | -18 |
| 5376.8                             | 5480   | 0.0025            | 0.0025 | -26            | -26 |

| W52+W53 - BW <sub>ch</sub> 160MHz |        |            |        |         |     |
|-----------------------------------|--------|------------|--------|---------|-----|
| Out Band Emissions                |        | EIRP Limit |        |         |     |
| Range (MHz)                       |        | mW/MHz     |        | dBm/MHz |     |
| 4916                              | 5099.6 | 0.0025     | 0.0025 | -26     | -26 |
| 5099.6                            | 5150   | 0.015      | 0.015  | -18     | -18 |
| 5350                              | 5400.4 | 0.015      | 0.015  | -18     | -18 |
| 5400.4                            | 5584   | 0.0025     | 0.0025 | -26     | -26 |

| W56 - BW <sub>ch</sub> 20MHz |      |            |        |         |     |
|------------------------------|------|------------|--------|---------|-----|
| Out Band Emissions           |      | EIRP Limit |        |         |     |
| Range (MHz)                  |      | mW/MHz     |        | dBm/MHz |     |
| 5455                         | 5460 | 0.0025     | 0.0025 | -26     | -26 |
| 5460                         | 5470 | 0.015      | 0.0125 | -19     | -19 |
| 5725                         | 5740 | 0.015      | 0.0125 | -19     | -19 |
| 5740                         | 5745 | 0.0025     | 0.0025 | -26     | -26 |

| W56 - BW <sub>ch</sub> 40MHz |      |            |        |         |     |
|------------------------------|------|------------|--------|---------|-----|
| Out Band Emissions           |      | EIRP Limit |        |         |     |
| Range (MHz)                  |      | mW/MHz     |        | dBm/MHz |     |
| 5420                         | 5460 | 0.0125     | 0.0125 | -19     | -19 |
| 5460                         | 5470 | 0.05       | 0.05   | -13     | -13 |
| 5725                         | 5760 | 0.0125     | 0.0125 | -19     | -19 |

| W56 - BW <sub>ch</sub> 80MHz |        |            |        |         |       |
|------------------------------|--------|------------|--------|---------|-------|
| Out Band Emissions           |        | EIRP Limit |        |         |       |
| Range (MHz)                  |        | mW/MHz     |        | dBm/MHz |       |
| 5340                         | 5460   | 0.0125     | 0.0125 | -19     | -19   |
| 5460                         | 5469.5 | 0.05       | 0.05   | -13     | -13   |
| 5469.5                       | 5470   | 0.0512     | 0.0512 | -12.9   | -12.9 |
| 5725                         | 5800   | 0.0125     | 0.0125 | -19     | -19   |



| W56 - BW <sub>ch</sub> 160MHz |        |            |        |         |     |
|-------------------------------|--------|------------|--------|---------|-----|
| Out Band Emissions            |        | EIRP Limit |        |         |     |
| Range (MHz)                   |        | mW/MHz     |        | dBm/MHz |     |
| 5236                          | 5419.6 | 0.0125     | 0.0125 | -19     | -19 |
| 5419.6                        | 5470   | 0.05       | 0.05   | -13     | -13 |
| 5725                          | 5904   | 0.0125     | 0.0125 | -19     | -19 |

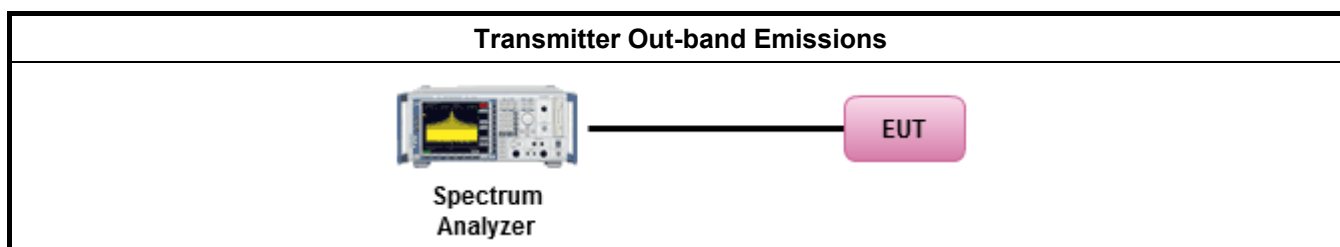
### 3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.6.3 Test Procedures

| Test Method                        |                                             |
|------------------------------------|---------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.45, clause 7.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.45, clause 7.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.45, clause 7.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.45, clause 7.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.45, clause 7.6 |

### 3.6.4 Test Setup



### 3.6.5 Test Result of Transmitter Out-band Emissions

Refer as Appendix F

### 3.7 Transmitter Spurious Emissions

#### 3.7.1 Transmitter Spurious Emissions Limit

| W52 - BW <sub>ch</sub> 20MHz (OBW≤18MHz) |       |          |        |          |            |         |
|------------------------------------------|-------|----------|--------|----------|------------|---------|
| Transmitter Spurious Emissions           |       |          |        |          | Limit      |         |
| Range (MHz)                              |       | Bn (MHz) | 2.5xBn | fc (MHz) | uW/MHz     | dBm/MHz |
| 30                                       | 5140  | 16       | 40     | 5180     | 2.5        | -26     |
| 5360                                     | 26000 | 16       | 40     | 5320     | 2.5        | -26     |
| W52 - BW <sub>ch</sub> 40MHz             |       |          |        |          |            |         |
| Transmitter Spurious Emissions           |       |          |        |          | EIRP Limit |         |
| Range (MHz)                              |       | Bn (MHz) | 2.5xBn | fc (MHz) | uW/MHz     | dBm/MHz |
| 30                                       | 5100  | 36       | 90     | 5190     | 2.5        | -26     |
| 5400                                     | 26000 | 36       | 90     | 5310     | 2.5        | -26     |
| W52 - BW <sub>ch</sub> 80MHz             |       |          |        |          |            |         |
| Transmitter Spurious Emissions           |       |          |        |          | Limit      |         |
| Range (MHz)                              |       | Bn (MHz) | 2.5xBn | fc (MHz) | uW/MHz     | dBm/MHz |
| 30                                       | 5020  | 76       | 190    | 5210     | 2.5        | -26     |
| 5480                                     | 26000 | 76       | 190    | 5290     | 2.5        | -26     |

| W53 - BW <sub>ch</sub> 20MHz (OBW≤18MHz) |       |          |        |          |        |         |
|------------------------------------------|-------|----------|--------|----------|--------|---------|
| Transmitter Spurious Emissions           |       |          |        |          | Limit  |         |
| Range (MHz)                              |       | Bn (MHz) | 2.5xBn | fc (MHz) | uW/MHz | dBm/MHz |
| 30                                       | 5140  | 16       | 40     | 5180     | 2.5    | -26     |
| 5360                                     | 26000 | 16       | 40     | 5320     | 2.5    | -26     |
| W53- BW <sub>ch</sub> 40MHz              |       |          |        |          |        |         |
| Transmitter Spurious Emissions           |       |          |        |          | Limit  |         |
| Range (MHz)                              |       | Bn (MHz) | 2.5xBn | fc (MHz) | uW/MHz | dBm/MHz |
| 30                                       | 5100  | 36       | 90     | 5190     | 2.5    | -26     |
| 5400                                     | 26000 | 36       | 90     | 5310     | 2.5    | -26     |
| W53 - BW <sub>ch</sub> 80MHz             |       |          |        |          |        |         |
| Transmitter Spurious Emissions           |       |          |        |          | Limit  |         |
| Range (MHz)                              |       | Bn (MHz) | 2.5xBn | fc (MHz) | uW/MHz | dBm/MHz |
| 30                                       | 5020  | 76       | 190    | 5210     | 2.5    | -26     |
| 5480                                     | 26000 | 76       | 190    | 5290     | 2.5    | -26     |

| <b>W52+W53 - BW<sub>ch</sub> 160MHz</b> |       |                 |                   |                 |               |                |
|-----------------------------------------|-------|-----------------|-------------------|-----------------|---------------|----------------|
| <b>Transmitter Spurious Emissions</b>   |       |                 |                   |                 | <b>Limit</b>  |                |
| <b>Range (MHz)</b>                      |       | <b>Bn (MHz)</b> | <b>1.5xBn+100</b> | <b>fc (MHz)</b> | <b>uW/MHz</b> | <b>dBm/MHz</b> |
| 30                                      | 4916  | 156             | 334               | 5250            | 2.5           | -26            |
| 5584                                    | 26000 | 156             | 334               | 5250            | 2.5           | -26            |

| <b>W56 - BW<sub>ch</sub> 20MHz</b>    |       |                 |               |                 |                   |                |
|---------------------------------------|-------|-----------------|---------------|-----------------|-------------------|----------------|
| <b>Transmitter Spurious Emissions</b> |       |                 |               |                 | <b>EIRP Limit</b> |                |
| <b>Range (MHz)</b>                    |       | <b>Bn (MHz)</b> | <b>2.5xBn</b> | <b>fc (MHz)</b> | <b>uW/MHz</b>     | <b>dBm/MHz</b> |
| 30                                    | 5455  | 18              | 45            | 5500            | 2.5               | -26            |
| 5745                                  | 26000 | 18              | 45            | 5700            | 2.5               | -26            |
| <b>W56 - BW<sub>ch</sub> 40MHz</b>    |       |                 |               |                 |                   |                |
| <b>Transmitter Spurious Emissions</b> |       |                 |               |                 | <b>EIRP Limit</b> |                |
| <b>Range (MHz)</b>                    |       | <b>Bn (MHz)</b> | <b>2.5xBn</b> | <b>fc (MHz)</b> | <b>uW/MHz</b>     | <b>dBm/MHz</b> |
| 30                                    | 5420  | 36              | 90            | 5510            | 2.5               | -26            |
| 5760                                  | 26000 | 36              | 90            | 5670            | 2.5               | -26            |
| <b>W56 - BW<sub>ch</sub> 80MHz</b>    |       |                 |               |                 |                   |                |
| <b>Transmitter Spurious Emissions</b> |       |                 |               |                 | <b>EIRP Limit</b> |                |
| <b>Range (MHz)</b>                    |       | <b>Bn (MHz)</b> | <b>2.5xBn</b> | <b>fc (MHz)</b> | <b>uW/MHz</b>     | <b>dBm/MHz</b> |
| 30                                    | 5340  | 76              | 190           | 5530            | 2.5               | -26            |
| 5800                                  | 26000 | 76              | 190           | 5610            | 2.5               | -26            |
| <b>W56 - BW<sub>ch</sub> 160MHz</b>   |       |                 |               |                 |                   |                |
| <b>Spurious Emissions</b>             |       |                 |               |                 | <b>EIRP Limit</b> |                |
| <b>Range (MHz)</b>                    |       | <b>Bn (MHz)</b> | <b>2.5xBn</b> | <b>fc (MHz)</b> | <b>uW/MHz</b>     | <b>dBm/MHz</b> |
| 30                                    | 5236  | 156             | 334           | 5570            | 2.5               | -26            |
| 5904                                  | 26000 | 156             | 334           | 5570            | 2.5               | -26            |

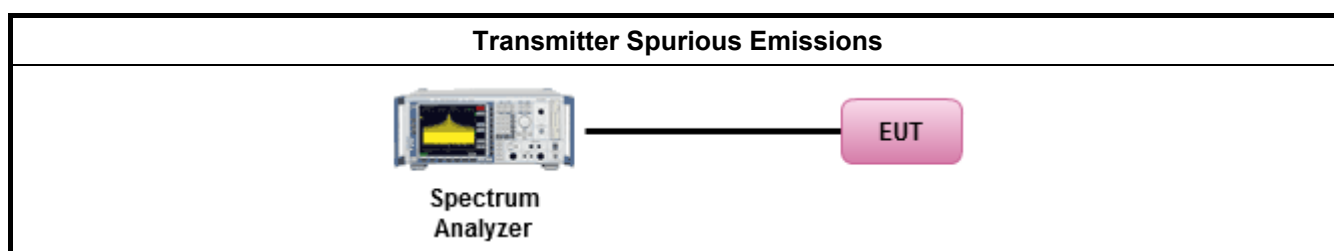
### 3.7.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.7.3 Test Procedures

| Test Method                        |                                            |
|------------------------------------|--------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.1, clause 1.3 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.1, clause 1.4 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.1, clause 1.5 |
| Presentation of Results            | MIC Notice No.88 Appendix No.1, clause 1.6 |

### 3.7.4 Test Setup



### 3.7.5 Test Result of Transmitter Spurious Emissions

Refer as Appendix G

### 3.8 Receiver Spurious Emissions

#### 3.8.1 Receiver Spurious Emissions Limit

| RX Spurious Emission |       | Limit |    |     |     |
|----------------------|-------|-------|----|-----|-----|
| Range (MHz)          |       | nW    |    | dBm |     |
| 30                   | 1000  | 4     | 4  | -54 | -54 |
| 1000                 | 26000 | 20    | 20 | -47 | -47 |

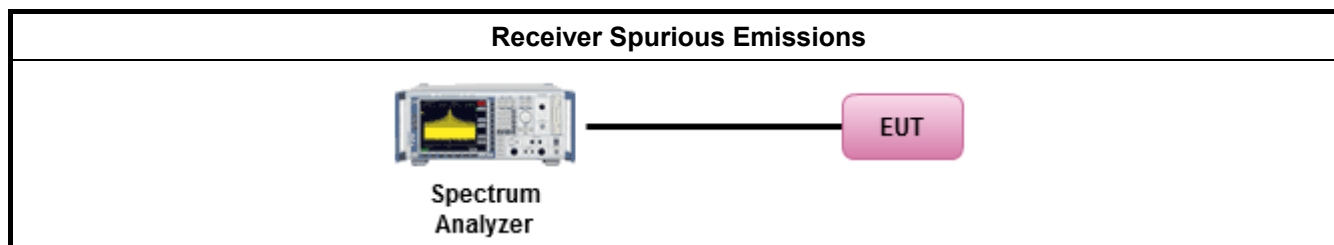
#### 3.8.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.8.3 Test Procedures

| Test Method                        |                                             |
|------------------------------------|---------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.43, clause 7.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 7.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.43, clause 7.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.43, clause 7.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.43, clause 7.6 |

#### 3.8.4 Test Setup



#### 3.8.5 Test Result of Receiver Spurious Emissions

Refer as Appendix H

### 3.9 Identification Code

#### 3.9.1 Identification Code Limit

| Identification Code Limit |
|---------------------------|
| $\leq 19$ bits            |

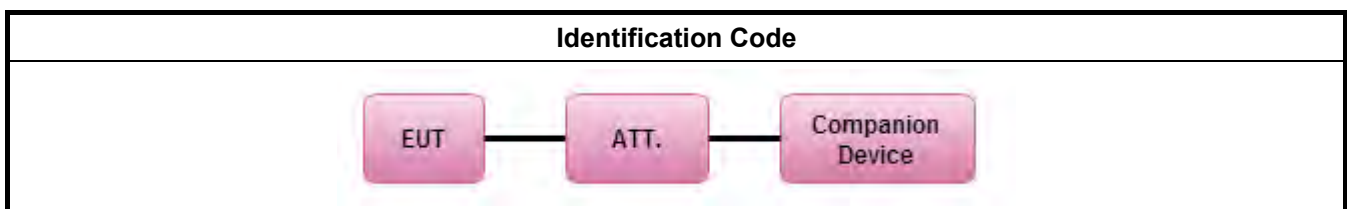
#### 3.9.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.9.3 Test Procedures

| Test Method                        |                                              |
|------------------------------------|----------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.43, clause 12.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.43, clause 12.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.43, clause 12.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.43, clause 12.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.43, clause 12.6 |

#### 3.9.4 Test Setup



#### 3.9.5 Test Result of Identification Code

Refer as Appendix I

## 3.10 Transmission Burst Length

### 3.10.1 Transmission Burst Length Limit

| Transmission Burst Length Limit |
|---------------------------------|
| ≤ 4msec. (OFDM)                 |

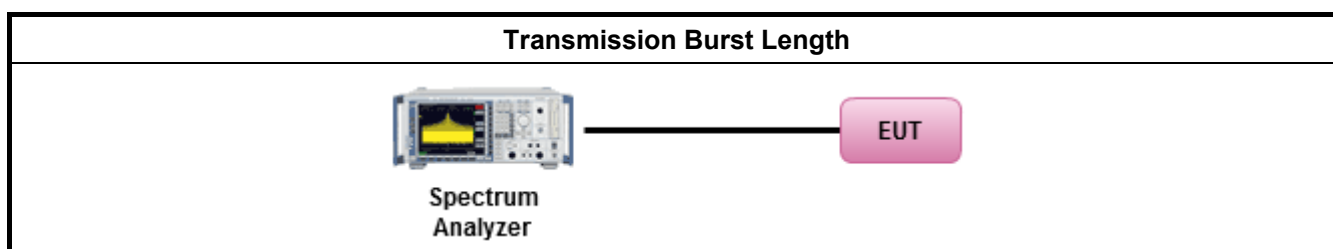
### 3.10.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.10.3 Test Procedures

| Test Method                        |                                              |
|------------------------------------|----------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.45, clause 10.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.45, clause 10.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.45, clause 10.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.45, clause 10.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.45, clause 10.6 |

### 3.10.4 Test Setup



### 3.10.5 Test Result of Transmission Burst Length

Refer as Appendix J

### 3.11 Carrier Sense

#### 3.11.1 Carrier Sense Limit

| Carrier Sense Limit                                                                                               |  |
|-------------------------------------------------------------------------------------------------------------------|--|
| Stop transmission for interference signal level above 100mV/m (or level at $22.79 + Gr - 20 \cdot \log(f)$ [dBm]) |  |

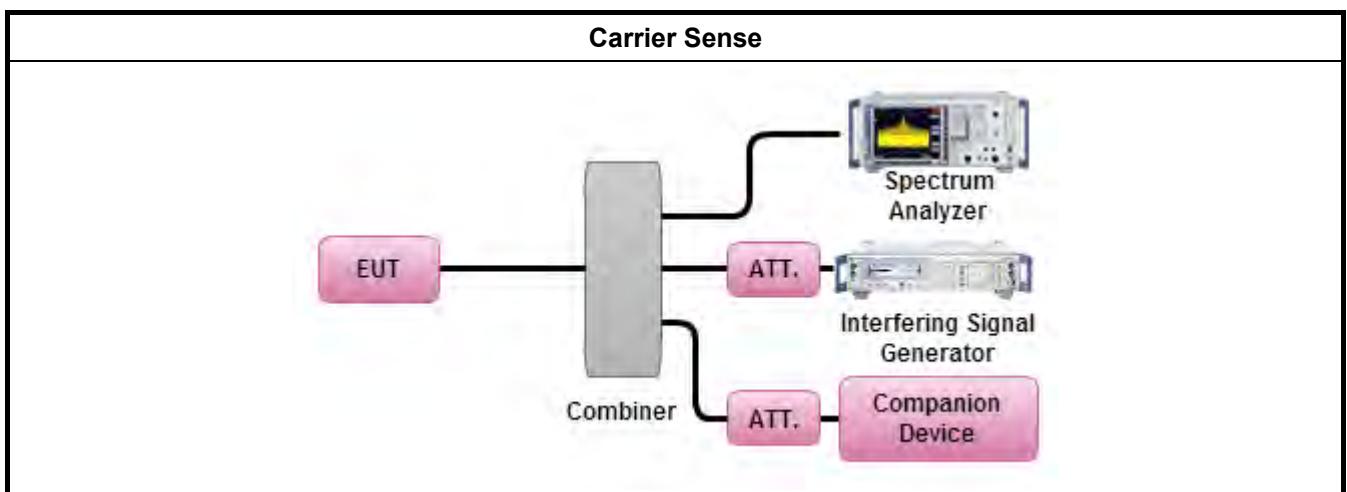
#### 3.11.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.11.3 Test Procedures

| Test Method                        |                                              |
|------------------------------------|----------------------------------------------|
| Measuring Equipment Conditions     | MIC Notice No.88 Appendix No.45, clause 12.2 |
| Conditions of Equipment under Test | MIC Notice No.88 Appendix No.45, clause 12.3 |
| Measuring Operation Procedures     | MIC Notice No.88 Appendix No.45, clause 12.4 |
| Presentation of Results            | MIC Notice No.88 Appendix No.45, clause 12.5 |
| Other Conditions                   | MIC Notice No.88 Appendix No.45, clause 12.6 |

#### 3.11.4 Test Setup



#### 3.11.5 Test Result of Carrier Sense

Refer as Appendix K

## 3.12 EUT Construction Protection

### 3.12.1 EUT Construction Protection Limit

| EUT Construction Protection Limit                                                                                                                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily. |  |

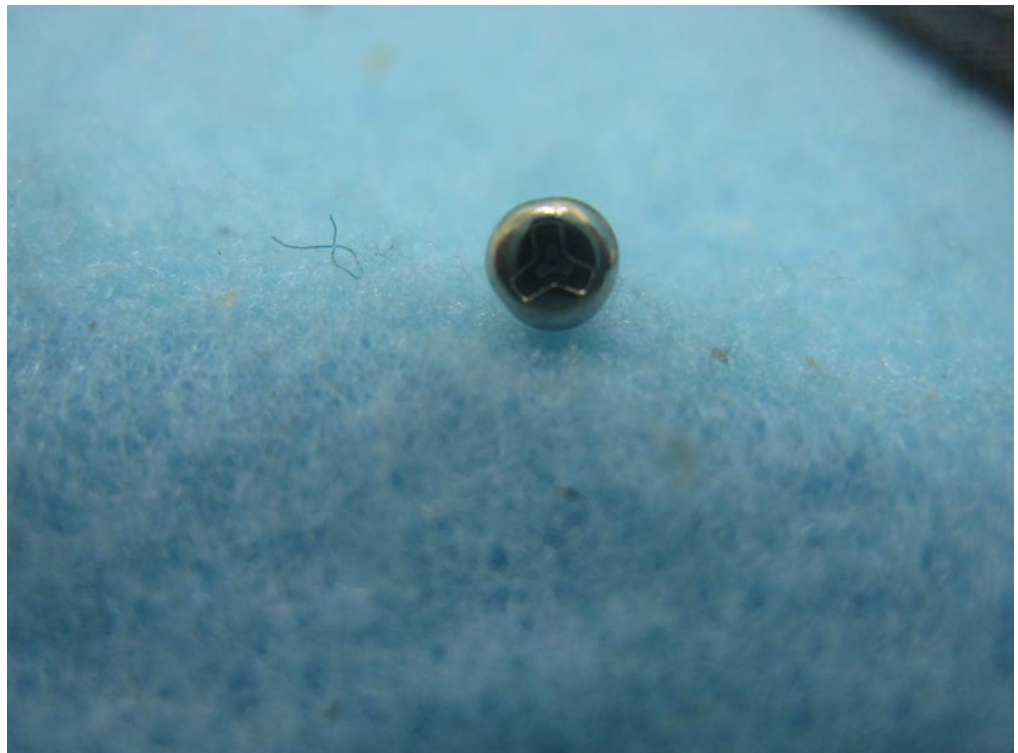
### 3.12.2 EUT Construction Protection

| EUT Construction Protection |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Protected Method            | Description                                                                                                                       |
| Shielding Case              | RF and Modulation components are covered with shielding case and this shielding case is soldered                                  |
| Special Screw               | RF and Modulation components are covered within case of EUT and this case used special screw to protect anybody to open this case |

### 3.12.3 Reference Documents

|                                          |                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------|
| <p><b>Photo<br/>(Shielding Case)</b></p> |   |
| <p><b>Photo<br/>(Special Screw)</b></p>  |  |

**Photo  
(Special Screw)**





## 4 Test Equipment and Calibration Data

| Instrument        | Manufacturer | Model No. | Serial No.    | Characteristics  | Calibration Date | Calibration Due Date | Calibration Method | Calibration Agent Name | Remark              |
|-------------------|--------------|-----------|---------------|------------------|------------------|----------------------|--------------------|------------------------|---------------------|
| Spectrum analyzer | R&S          | FSV40     | 100979        | 9kHz~40GHz       | Dec. 21, 2017    | Dec. 20, 2018        | c)                 | A                      | Conducted (TH01-CB) |
| RF Cable-high     | Woken        | RG402     | High Cable-06 | 1 GHz ~ 26.5 GHz | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |
| RF Cable-high     | Woken        | RG402     | High Cable-07 | 1 GHz ~ 26.5 GHz | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |
| RF Cable-high     | Woken        | RG402     | High Cable-08 | 1 GHz ~ 26.5 GHz | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |
| RF Cable-high     | Woken        | RG402     | High Cable-09 | 1 GHz ~ 26.5 GHz | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |
| RF Cable-high     | Woken        | RG402     | High Cable-10 | 1 GHz ~ 26.5 GHz | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |
| Power Sensor      | Agilent      | U2021XA   | MY53410001    | 50MHz~18GHz      | Nov. 20, 2017    | Nov. 19, 2018        | c)                 | A                      | Conducted (TH01-CB) |
| Signal Generator  | R&S          | SMR40     | 100302        | 10MHz~40GHz      | Dec. 01, 2017    | Nov. 30, 2018        | c)                 | A                      | Conducted (TH01-CB) |
| RF Power Divider  | ANAREN       | 2 Way     | DFS-01-DV-02  | 1GHz ~ 6GHz      | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |
| RF Power Divider  | MTJ          | 2 Way     | DFS-01-DV-03  | 1GHz ~ 6GHz      | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |
| RF Power Divider  | ANAREN       | 4 Way     | DFS-01-DV-01  | 1GHz ~ 6GHz      | Oct. 11, 2017    | Oct. 10, 2018        | c)                 | B                      | Conducted (TH01-CB) |

### Note:

1. Calibration Interval of instruments listed above is one year.
2. N.C.R. means Non-Calibration required.
3. Calibration Agent Name: Describe calibration agent name with its country name, and symbols in "Calibration Agent Name" shows the agent names as follows,  
A: Electronics Testing Center, Taiwan.  
B: Sporton International Inc., Taiwan.  
C: ROHDE&SCHWARZ., Taiwan.
4. Calibration Method
  - a) : Calibration conducted by the National Institute of Information and Communications Technology or a designated calibration agency under Article 102-18 paragraph (1)
  - b) : Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
  - c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)
  - d) : Calibration conducted by using other equipment that listed above from a) to c)



## Summary

| Mode                           | Result | Ch<br>(Hz) | Center<br>(MHz) | ppm    | Limit<br>(ppm) | Port |
|--------------------------------|--------|------------|-----------------|--------|----------------|------|
| 5.15-5.25GHz                   | -      | -          | -               | -      | -              | -    |
| 802.11a_Nss1_3TX               | Pass   | 5.18G      | 5.17998937G     | -2.053 | ±20            | 1    |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 5.18G      | 5.17998982G     | -1.965 | ±20            | 1    |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 5.23G      | 5.22998976G     | -1.958 | ±20            | 1    |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 5.21G      | 5.20998991G     | -1.938 | ±20            | 1    |
| 5.25-5.35GHz                   | -      | -          | -               | -      | -              | -    |
| 802.11a_Nss1_3TX               | Pass   | 5.26G      | 5.25999009G     | -1.883 | ±20            | 1    |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 5.26G      | 5.25999029G     | -1.846 | ±20            | 1    |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 5.27G      | 5.26999045G     | -1.812 | ±20            | 1    |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 5.29G      | 5.28999032G     | -1.831 | ±20            | 1    |
| 5.47-5.725GHz                  | -      | -          | -               | -      | -              | -    |
| 802.11a_Nss1_3TX               | Pass   | 5.5G       | 5.49999039G     | -1.748 | ±20            | 1    |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 5.5G       | 5.49999057G     | -1.714 | ±20            | 1    |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 5.59G      | 5.58999034G     | -1.729 | ±20            | 1    |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 5.53G      | 5.52999048G     | -1.722 | ±20            | 1    |



## Frequency Tolerance Result

## Appendix A

### Result

| Mode                           | Result | Ch<br>(Hz) | Center<br>(MHz) | ppm    | Limit<br>(ppm) | Port |
|--------------------------------|--------|------------|-----------------|--------|----------------|------|
| 802.11a_Nss1_3TX               | -      | -          | -               | -      | -              | -    |
| 5180MHz                        | Pass   | 5.18G      | 5.17998937G     | -2.053 | ±20            | 1    |
| 5240MHz                        | Pass   | 5.24G      | 5.23999G        | -1.908 | ±20            | 1    |
| 5260MHz                        | Pass   | 5.26G      | 5.25999009G     | -1.883 | ±20            | 1    |
| 5320MHz                        | Pass   | 5.32G      | 5.31999049G     | -1.788 | ±20            | 1    |
| 5500MHz                        | Pass   | 5.5G       | 5.49999039G     | -1.748 | ±20            | 1    |
| 5600MHz                        | Pass   | 5.6G       | 5.5999905G      | -1.697 | ±20            | 1    |
| 5700MHz                        | Pass   | 5.7G       | 5.69999054G     | -1.659 | ±20            | 1    |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -          | -               | -      | -              | -    |
| 5180MHz                        | Pass   | 5.18G      | 5.17998982G     | -1.965 | ±20            | 1    |
| 5240MHz                        | Pass   | 5.24G      | 5.23999016G     | -1.877 | ±20            | 1    |
| 5260MHz                        | Pass   | 5.26G      | 5.25999029G     | -1.846 | ±20            | 1    |
| 5320MHz                        | Pass   | 5.32G      | 5.31999067G     | -1.754 | ±20            | 1    |
| 5500MHz                        | Pass   | 5.5G       | 5.49999057G     | -1.714 | ±20            | 1    |
| 5600MHz                        | Pass   | 5.6G       | 5.59999073G     | -1.655 | ±20            | 1    |
| 5700MHz                        | Pass   | 5.7G       | 5.69999078G     | -1.618 | ±20            | 1    |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -          | -               | -      | -              | -    |
| 5190MHz                        | Pass   | 5.19G      | 5.18998988G     | -1.95  | ±20            | 1    |
| 5230MHz                        | Pass   | 5.23G      | 5.22998976G     | -1.958 | ±20            | 1    |
| 5270MHz                        | Pass   | 5.27G      | 5.26999045G     | -1.812 | ±20            | 1    |
| 5310MHz                        | Pass   | 5.31G      | 5.30999042G     | -1.804 | ±20            | 1    |
| 5510MHz                        | Pass   | 5.51G      | 5.50999064G     | -1.698 | ±20            | 1    |
| 5590MHz                        | Pass   | 5.59G      | 5.58999034G     | -1.729 | ±20            | 1    |
| 5670MHz                        | Pass   | 5.67G      | 5.6699905G      | -1.675 | ±20            | 1    |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -          | -               | -      | -              | -    |
| 5210MHz                        | Pass   | 5.21G      | 5.20998991G     | -1.938 | ±20            | 1    |
| 5290MHz                        | Pass   | 5.29G      | 5.28999032G     | -1.831 | ±20            | 1    |
| 5530MHz                        | Pass   | 5.53G      | 5.52999048G     | -1.722 | ±20            | 1    |
| 5610MHz                        | Pass   | 5.61G      | 5.60999066G     | -1.664 | ±20            | 1    |

### Summary

| Mode                           | Max-OBW<br>(MHz) | ITU-Code | Min-OBW<br>(MHz) |
|--------------------------------|------------------|----------|------------------|
| 5.15-5.25GHz                   | -                | -        | -                |
| 802.11a_Nss1_3TX               | 16.68            | 16M7D1D  | 16.58            |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 17.84            | 17M8D1D  | 17.78            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 37.08            | 37M1D1D  | 36.88            |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 76.08            | 76M1D1D  | 75.92            |
| 5.25-5.35GHz                   | -                | -        | -                |
| 802.11a_Nss1_3TX               | 16.66            | 16M7D1D  | 16.58            |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 17.84            | 17M8D1D  | 17.78            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 37.08            | 37M1D1D  | 36.8             |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 76.16            | 76M2D1D  | 75.92            |
| 5.47-5.725GHz                  | -                | -        | -                |
| 802.11a_Nss1_3TX               | 16.7             | 16M7D1D  | 16.58            |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 17.82            | 17M8D1D  | 17.7             |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 37               | 37M0D1D  | 36.68            |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 76               | 76M0D1D  | 75.76            |

**Max-OBW** = Maximum 99% occupied bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

### Result

| Mode                           | Result | Limit<br>(MHz) | P1-OBW<br>(MHz) | P2-OBW<br>(MHz) | P3-OBW<br>(MHz) |
|--------------------------------|--------|----------------|-----------------|-----------------|-----------------|
| 802.11a_Nss1_3TX               | -      | -              | -               | -               | -               |
| 5180MHz                        | Pass   | 19             | 16.66           | 16.68           | 16.6            |
| 5240MHz                        | Pass   | 19             | 16.66           | 16.66           | 16.58           |
| 5260MHz                        | Pass   | 19             | 16.66           | 16.64           | 16.58           |
| 5320MHz                        | Pass   | 19             | 16.66           | 16.64           | 16.6            |
| 5500MHz                        | Pass   | 19.7           | 16.66           | 16.64           | 16.62           |
| 5600MHz                        | Pass   | 19.7           | 16.66           | 16.68           | 16.58           |
| 5700MHz                        | Pass   | 19.7           | 16.7            | 16.6            | 16.6            |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -              | -               | -               | -               |
| 5180MHz                        | Pass   | 19             | 17.84           | 17.78           | 17.78           |
| 5240MHz                        | Pass   | 19             | 17.84           | 17.8            | 17.78           |
| 5260MHz                        | Pass   | 19             | 17.82           | 17.8            | 17.78           |
| 5320MHz                        | Pass   | 19             | 17.84           | 17.8            | 17.78           |
| 5500MHz                        | Pass   | 19.7           | 17.82           | 17.78           | 17.76           |
| 5600MHz                        | Pass   | 19.7           | 17.82           | 17.78           | 17.76           |
| 5700MHz                        | Pass   | 19.7           | 17.82           | 17.7            | 17.82           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -              | -               | -               | -               |
| 5190MHz                        | Pass   | 38             | 37.08           | 36.88           | 36.92           |
| 5230MHz                        | Pass   | 38             | 37              | 36.88           | 36.88           |
| 5270MHz                        | Pass   | 38             | 37.08           | 36.84           | 36.92           |
| 5310MHz                        | Pass   | 38             | 37.08           | 36.84           | 36.8            |
| 5510MHz                        | Pass   | 38             | 36.92           | 36.72           | 36.88           |



## Occupied Bandwidth Result

## Appendix B

| Mode                           | Result | Limit<br>(MHz) | P1-OBW<br>(MHz) | P2-OBW<br>(MHz) | P3-OBW<br>(MHz) |
|--------------------------------|--------|----------------|-----------------|-----------------|-----------------|
| 5590MHz                        | Pass   | 38             | 36.84           | 36.88           | 36.76           |
| 5670MHz                        | Pass   | 38             | 37              | 36.68           | 36.84           |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -              | -               | -               | -               |
| 5210MHz                        | Pass   | 78             | 76.08           | 76              | 75.92           |
| 5290MHz                        | Pass   | 78             | 76.16           | 75.92           | 76.08           |
| 5530MHz                        | Pass   | 78             | 75.76           | 75.76           | 75.84           |
| 5610MHz                        | Pass   | 78             | 76              | 75.76           | 76              |

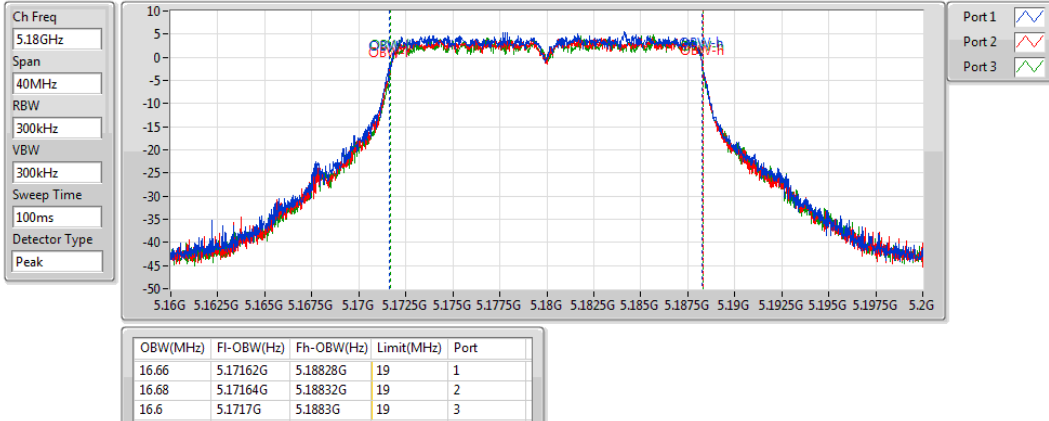
**P1-OBW** = Port 1 99% occupied bandwidth; **P2-OBW** = Port 2 99% occupied bandwidth; **P3-OBW** = Port 3 99% occupied bandwidth;  
**P4-OBW** = Port 4 99% occupied bandwidth;

## 802.11a\_Nss1\_3TX

## OBW

### 5180MHz\_TnomVnom

09/03/2018

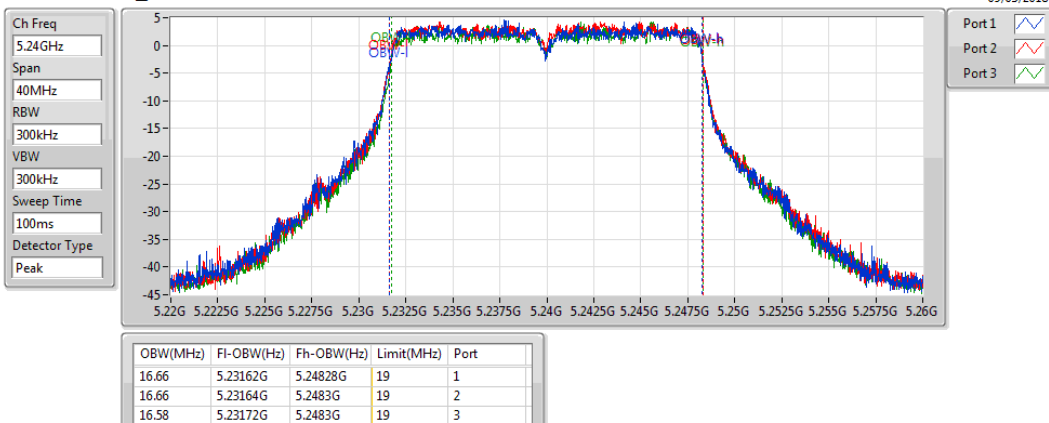


## 802.11a\_Nss1\_3TX

## OBW

### 5240MHz\_TnomVnom

09/03/2018

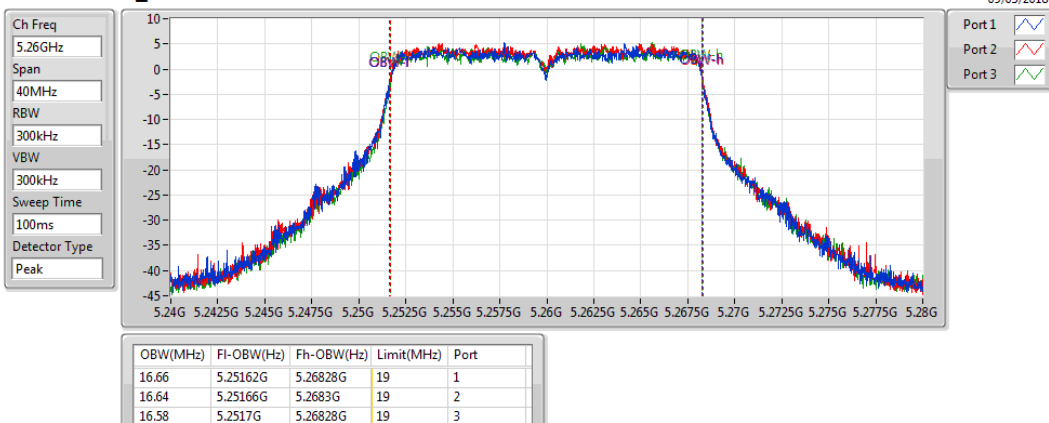


## 802.11a\_Nss1\_3TX

## OBW

### 5260MHz\_TnomVnom

09/03/2018

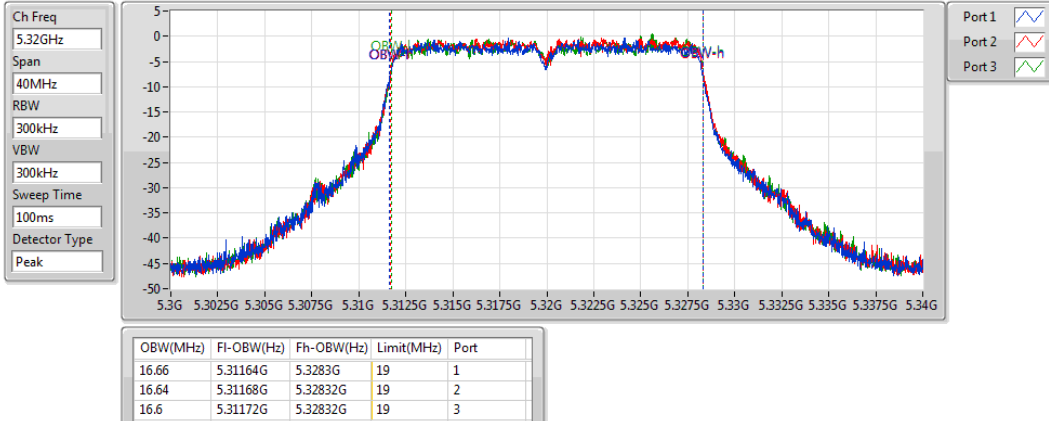


### 802.11a\_Nss1\_3TX

### OBW

#### 5320MHz\_TnomVnom

09/03/2018

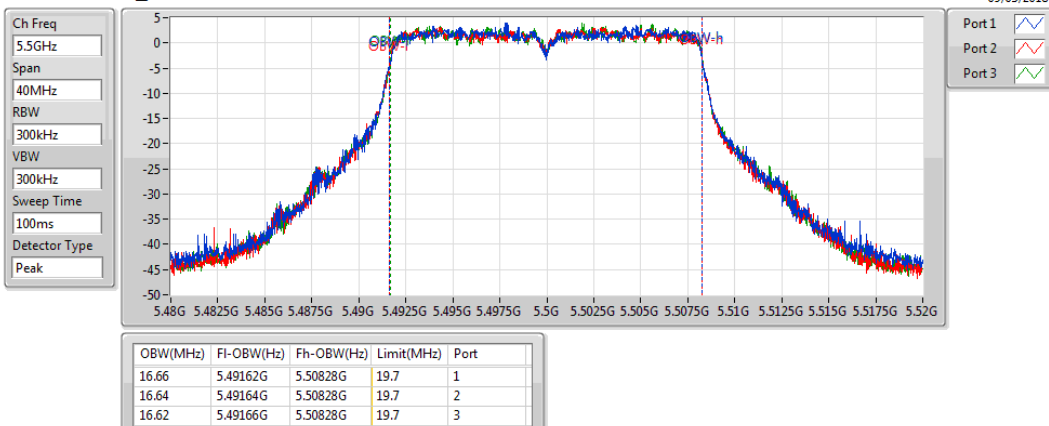


### 802.11a\_Nss1\_3TX

### OBW

#### 5500MHz\_TnomVnom

09/03/2018

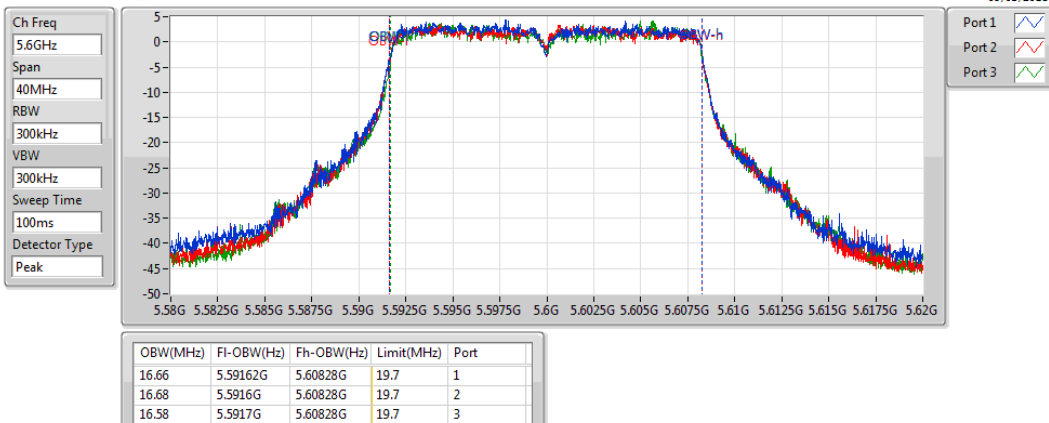


### 802.11a\_Nss1\_3TX

### OBW

#### 5600MHz\_TnomVnom

09/03/2018

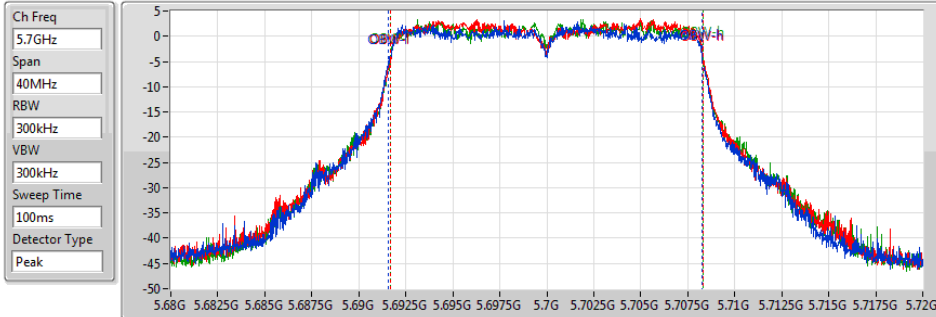


## 802.11a\_Nss1\_3TX

## OBW

### 5700MHz\_TnomVnom

09/03/2018



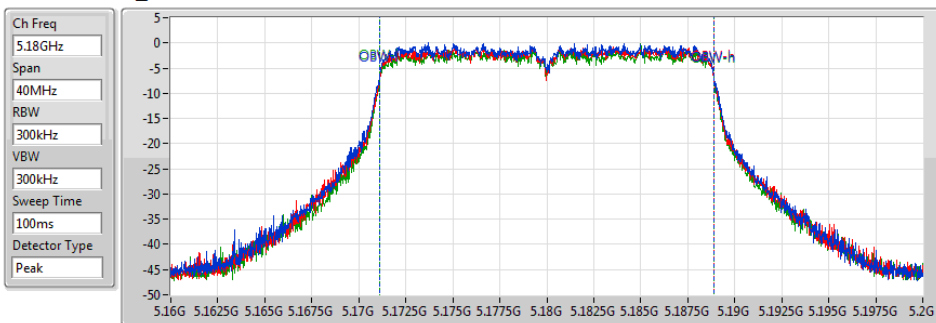
| OBW(MHz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 16.7     | 5.69158G   | 5.70828G   | 19.7       | 1    |
| 16.6     | 5.6917G    | 5.7083G    | 19.7       | 2    |
| 16.6     | 5.6917G    | 5.7083G    | 19.7       | 3    |

## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## OBW

### 5180MHz\_TnomVnom

09/03/2018



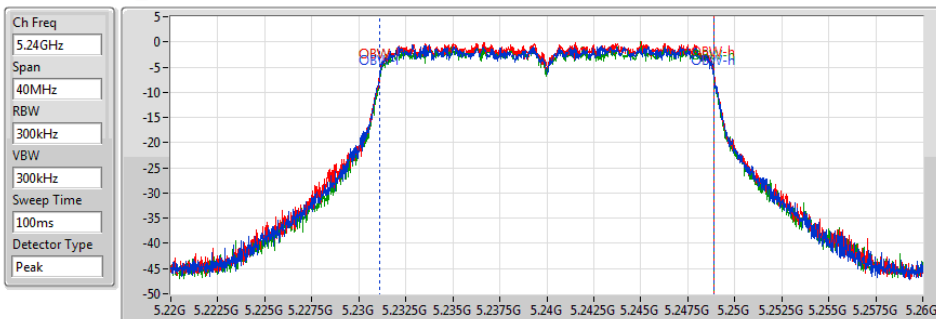
| OBW(MHz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 17.84    | 5.17108G   | 5.18892G   | 19         | 1    |
| 17.78    | 5.17112G   | 5.1889G    | 19         | 2    |
| 17.78    | 5.17112G   | 5.1889G    | 19         | 3    |

## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## OBW

### 5240MHz\_TnomVnom

09/03/2018



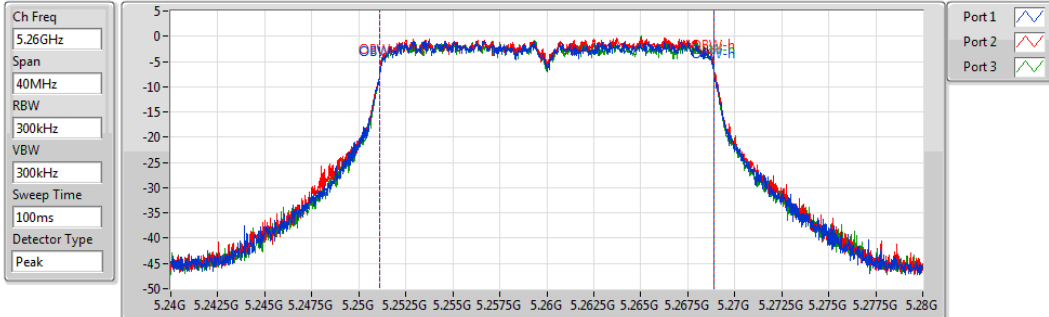
| OBW(MHz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 17.84    | 5.23108G   | 5.24892G   | 19         | 1    |
| 17.8     | 5.2311G    | 5.2489G    | 19         | 2    |
| 17.78    | 5.23112G   | 5.2489G    | 19         | 3    |

### 802.11ac VHT20\_Nss1,(MCS0)\_3TX

OBW

#### 5260MHz\_TnomVnom

09/03/2018



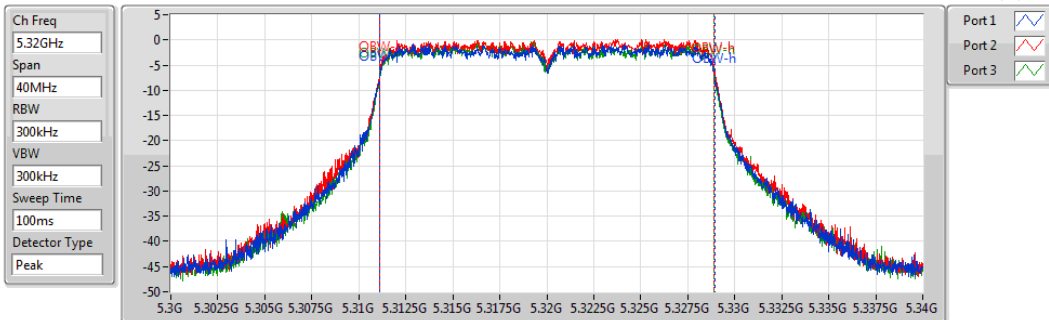
| OBW(MHz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 17.82    | 5.2511G    | 5.26892G   | 19         | 1    |
| 17.8     | 5.25112G   | 5.26892G   | 19         | 2    |
| 17.78    | 5.25112G   | 5.2689G    | 19         | 3    |

### 802.11ac VHT20\_Nss1,(MCS0)\_3TX

OBW

#### 5320MHz\_TnomVnom

09/03/2018



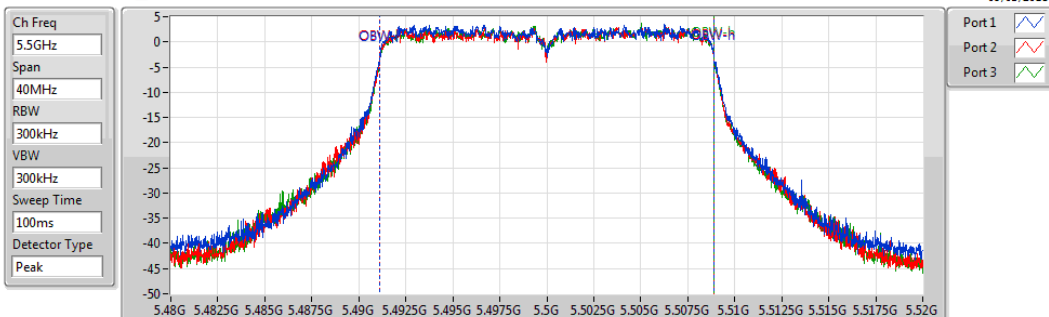
| OBW(MHz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 17.84    | 5.3111G    | 5.32894G   | 19         | 1    |
| 17.8     | 5.31112G   | 5.32892G   | 19         | 2    |
| 17.78    | 5.31112G   | 5.3289G    | 19         | 3    |

### 802.11ac VHT20\_Nss1,(MCS0)\_3TX

OBW

#### 5500MHz\_TnomVnom

09/03/2018



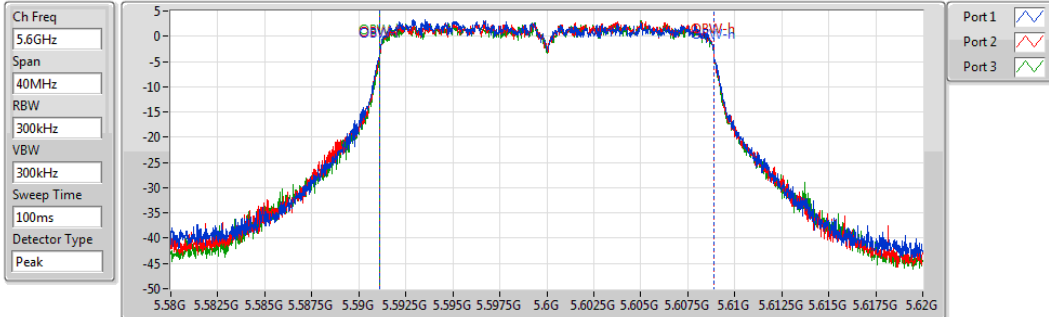
| OBW(MHz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 17.82    | 5.4911G    | 5.50892G   | 19.7       | 1    |
| 17.78    | 5.49112G   | 5.5089G    | 19.7       | 2    |
| 17.76    | 5.49112G   | 5.50888G   | 19.7       | 3    |

## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

OBW

### 5600MHz\_TnomVnom

09/03/2018

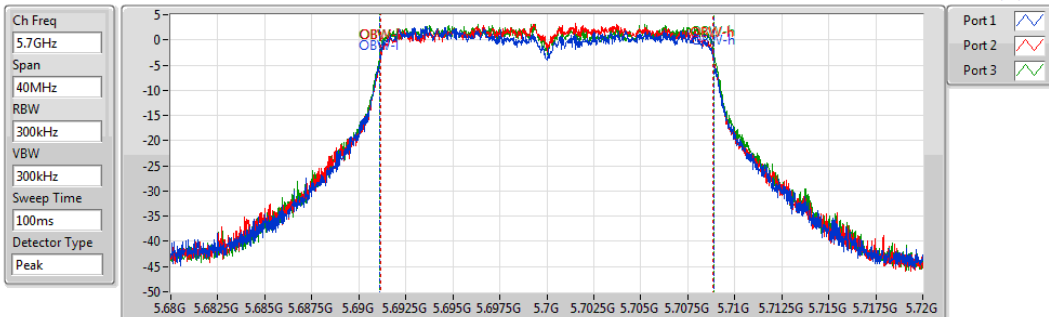


## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

OBW

### 5700MHz\_TnomVnom

09/03/2018

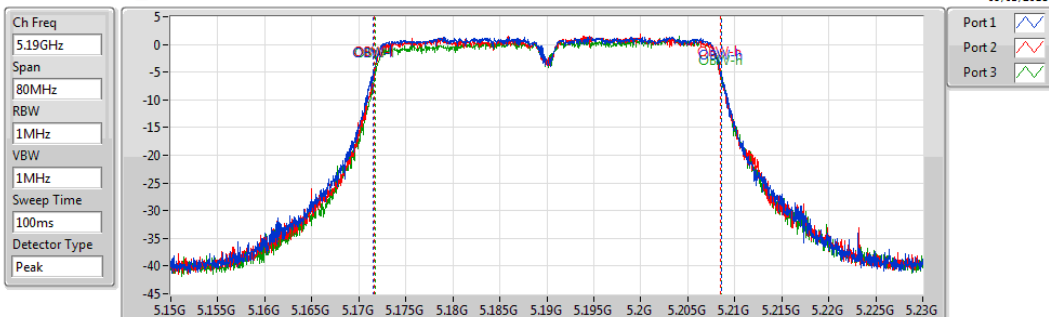


## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

OBW

### 5190MHz\_TnomVnom

09/03/2018

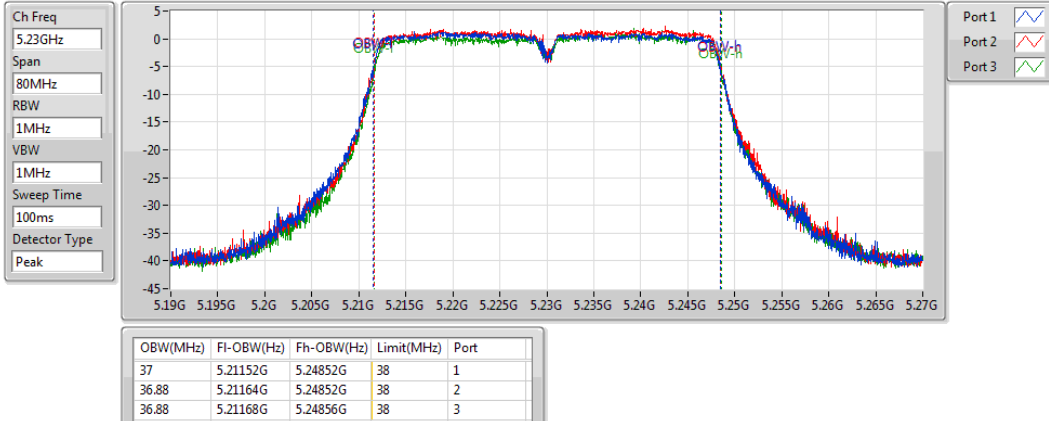


## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

OBW

### 5230MHz\_TnomVnom

09/03/2018

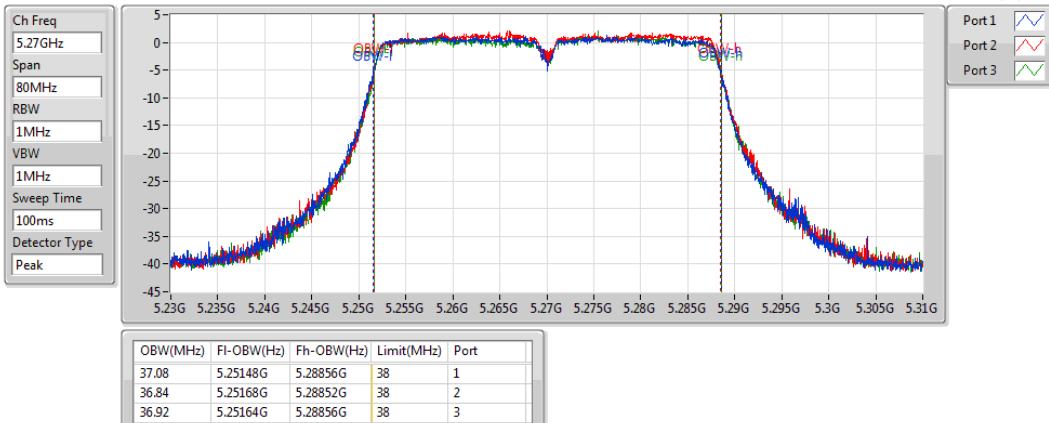


## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

OBW

### 5270MHz\_TnomVnom

09/03/2018



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

OBW

### 5310MHz\_TnomVnom

09/03/2018

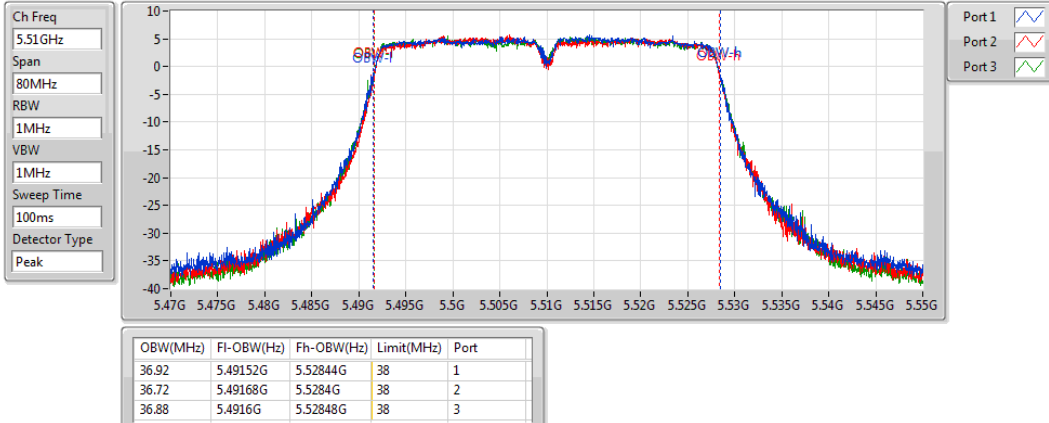


### 802.11ac VHT40\_Nss1,(MCS0)\_3TX

OBW

#### 5510MHz\_TnomVnom

09/03/2018

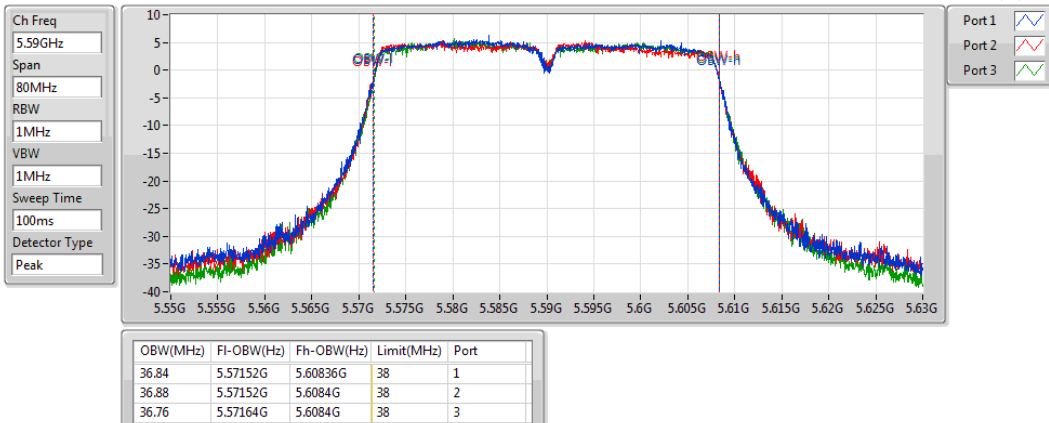


### 802.11ac VHT40\_Nss1,(MCS0)\_3TX

OBW

#### 5590MHz\_TnomVnom

09/03/2018

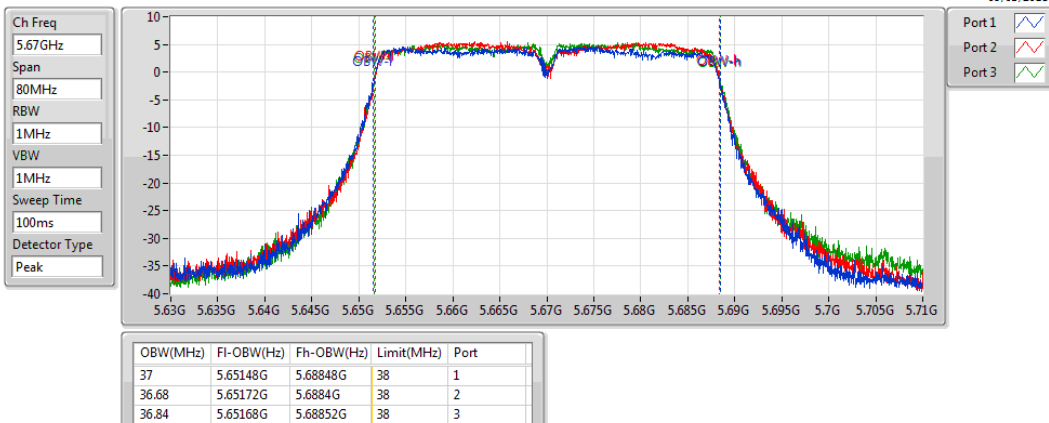


### 802.11ac VHT40\_Nss1,(MCS0)\_3TX

OBW

#### 5670MHz\_TnomVnom

09/03/2018

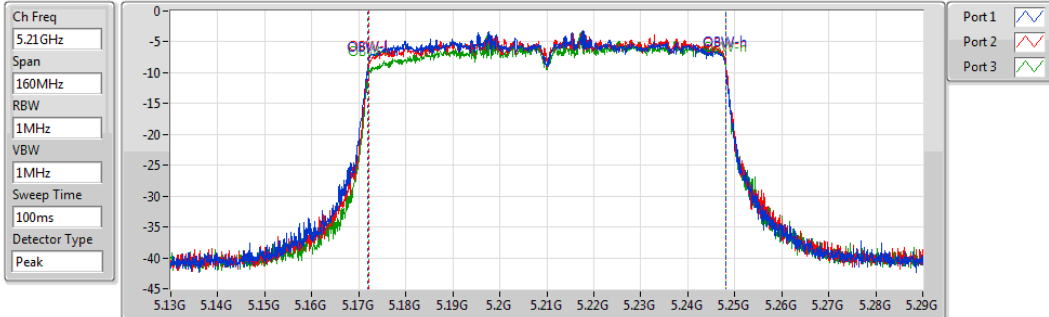


### 802.11ac VHT80\_Nss1,(MCS0)\_3TX

OBW

#### 5210MHz\_TnomVnom

09/03/2018



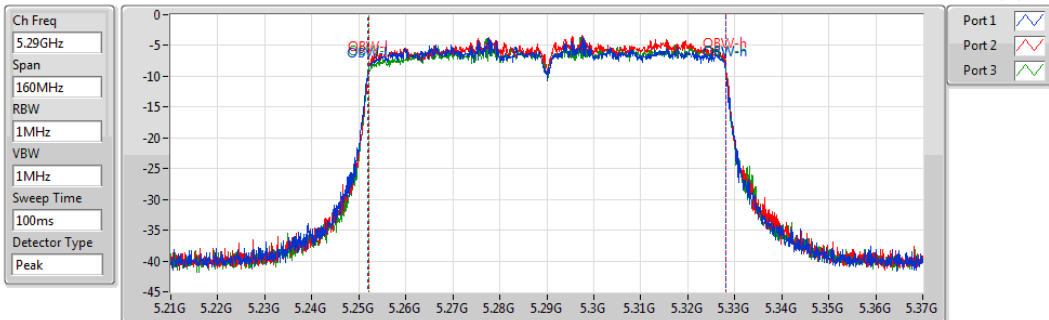
| OBW(MHz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 76.08    | 5.17192G   | 5.248G     | 78         | 1    |
| 76       | 5.17208G   | 5.24808G   | 78         | 2    |
| 75.92    | 5.17224G   | 5.24816G   | 78         | 3    |

### 802.11ac VHT80\_Nss1,(MCS0)\_3TX

OBW

#### 5290MHz\_TnomVnom

09/03/2018



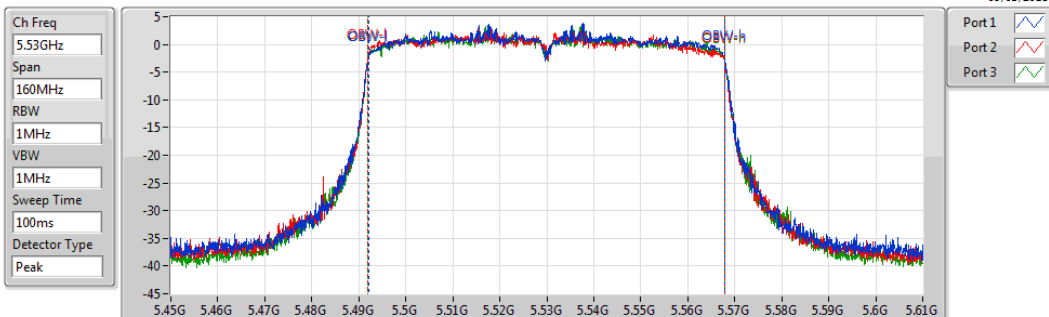
| OBW(MHz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 76.16    | 5.25192G   | 5.32808G   | 78         | 1    |
| 75.92    | 5.25216G   | 5.32808G   | 78         | 2    |
| 76.08    | 5.25208G   | 5.32816G   | 78         | 3    |

### 802.11ac VHT80\_Nss1,(MCS0)\_3TX

OBW

#### 5530MHz\_TnomVnom

09/03/2018



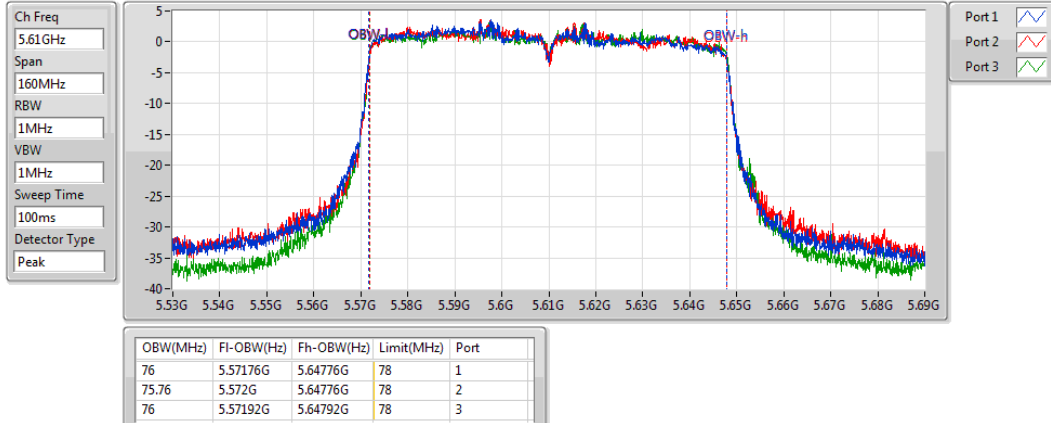
| OBW(MHz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(MHz) | Port |
|----------|------------|------------|------------|------|
| 75.76    | 5.49208G   | 5.56784G   | 78         | 1    |
| 75.76    | 5.492G     | 5.56776G   | 78         | 2    |
| 75.84    | 5.492G     | 5.56784G   | 78         | 3    |

802.11ac VHT80\_Nss1,(MCS0)\_3TX

OBW

5610MHz\_TnomVnom

09/03/2018





## Summary

| Mode                           | Power     | Power    | EIRP      | EIRP     |
|--------------------------------|-----------|----------|-----------|----------|
|                                | (dBm/MHz) | (mW/MHz) | (dBm/MHz) | (mW/MHz) |
| 5.15-5.25GHz                   | -         | -        | -         | -        |
| 802.11a_Nss1_3TX               | 7.02      | 5.03663  | 9.83      | 9.61612  |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 7.15      | 5.19179  | 9.96      | 9.90832  |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 4.15      | 2.60281  | 6.96      | 4.96592  |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 1.08      | 1.28163  | 3.89      | 2.44906  |
| 5.25-5.35GHz                   | -         | -        | -         | -        |
| 802.11a_Nss1_3TX               | 6.96      | 4.97150  | 9.77      | 9.48418  |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 7.17      | 5.20679  | 9.98      | 9.95405  |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 4.03      | 2.52713  | 6.84      | 4.83059  |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 1.16      | 1.30555  | 3.97      | 2.49459  |
| 5.47-5.725GHz                  | -         | -        | -         | -        |
| 802.11a_Nss1_3TX               | 9.99      | 9.97209  | 12.64     | 18.36538 |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 9.62      | 9.15667  | 12.27     | 16.86553 |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 6.69      | 4.66590  | 9.34      | 8.59014  |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 3.85      | 2.42767  | 6.50      | 4.46684  |

Power = Antenna Power sum by P1~PN;

## Result

| Mode                           | Result | Gain  | ENBF | Power     | Power    | Power Lim. | EIRP      | EIRP     | EIRP Lim. | P1        | P2        | P3        |
|--------------------------------|--------|-------|------|-----------|----------|------------|-----------|----------|-----------|-----------|-----------|-----------|
|                                |        | (dBi) | (dB) | (dBm/MHz) | (mW/MHz) | (mW/MHz)   | (dBm/MHz) | (mW/MHz) | (mW/MHz)  | (dBm/MHz) | (dBm/MHz) | (dBm/MHz) |
| 802.11a_Nss1_3TX               | -      | -     | -    | -         | -        | -          | -         | -        | -         | -         | -         | -         |
| 5180MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 7.02      | 5.03663  | 10         | 9.83      | 9.61612  | 10        | 2.76      | 2.06      | 1.88      |
| 5240MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 6.76      | 4.73939  | 10         | 9.57      | 9.05733  | 10        | 1.98      | 2.26      | 1.70      |
| 5260MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 6.72      | 4.69725  | 10         | 9.53      | 8.97429  | 10        | 1.98      | 2.01      | 1.85      |
| 5320MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 6.96      | 4.97150  | 10         | 9.77      | 9.48418  | 10        | 2.13      | 2.26      | 2.19      |
| 5500MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 9.98      | 9.95900  | 10         | 12.63     | 18.32314 | 50        | 3.29      | 5.95      | 5.90      |
| 5600MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 9.99      | 9.97209  | 10         | 12.64     | 18.36538 | 50        | 3.70      | 5.63      | 5.99      |
| 5700MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 9.57      | 9.06507  | 10         | 12.22     | 16.67247 | 50        | 2.41      | 6.05      | 5.18      |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -     | -    | -         | -        | -          | -         | -        | -         | -         | -         | -         |
| 5180MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 7.07      | 5.08749  | 10         | 9.88      | 9.72747  | 10        | 2.90      | 2.31      | 1.57      |
| 5240MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 7.15      | 5.19179  | 10         | 9.96      | 9.90832  | 10        | 2.41      | 2.87      | 1.80      |
| 5260MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 6.82      | 4.80799  | 10         | 9.63      | 9.18333  | 10        | 2.09      | 2.40      | 1.62      |
| 5320MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 7.17      | 5.20679  | 10         | 9.98      | 9.95405  | 10        | 2.34      | 3.04      | 1.70      |
| 5500MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 9.62      | 9.15667  | 10         | 12.27     | 16.86553 | 50        | 3.19      | 5.53      | 5.44      |
| 5600MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 9.61      | 9.13855  | 10         | 12.26     | 16.82674 | 50        | 3.02      | 5.78      | 5.25      |
| 5700MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 9.59      | 9.09359  | 10         | 12.24     | 16.74943 | 50        | 2.52      | 5.94      | 5.29      |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -     | -    | -         | -        | -          | -         | -        | -         | -         | -         | -         |
| 5190MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 4.15      | 2.60281  | 5          | 6.96      | 4.96592  | 5         | -0.34     | -0.44     | -1.11     |
| 5230MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 4.15      | 2.60005  | 5          | 6.96      | 4.96592  | 5         | -0.60     | -0.13     | -1.20     |
| 5270MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 3.74      | 2.36532  | 5          | 6.55      | 4.51856  | 5         | -1.18     | -0.68     | -1.26     |
| 5310MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 4.03      | 2.52713  | 5          | 6.84      | 4.83059  | 5         | -0.88     | -0.19     | -1.23     |
| 5510MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 6.61      | 4.58323  | 5          | 9.26      | 8.43335  | 25        | -0.37     | 2.84      | 2.41      |
| 5590MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 6.63      | 4.60718  | 5          | 9.28      | 8.47227  | 25        | -0.05     | 2.54      | 2.61      |
| 5670MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 6.69      | 4.66590  | 5          | 9.34      | 8.59014  | 25        | -0.51     | 2.98      | 2.53      |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -     | -    | -         | -        | -          | -         | -        | -         | -         | -         | -         |
| 5210MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 1.08      | 1.28163  | 2.5        | 3.89      | 2.44906  | 2.5       | -3.49     | -3.71     | -3.89     |
| 5290MHz_TnomVnom               | Pass   | 2.81  | 0.49 | 1.16      | 1.30555  | 2.5        | 3.97      | 2.49459  | 2.5       | -3.51     | -3.48     | -3.86     |
| 5530MHz_TnomVnom               | Pass   | 2.65  | 0.49 | 3.84      | 2.41898  | 2.5        | 6.49      | 4.45656  | 12.5      | -2.96     | 0.05      | -0.45     |



## Power Result

## Appendix C.1

| Mode             | Result | Gain  | ENBF | Power     | Power    | Power Lim. | EIRP      | EIRP     | EIRP Lim. | P1        | P2        | P3        |
|------------------|--------|-------|------|-----------|----------|------------|-----------|----------|-----------|-----------|-----------|-----------|
|                  |        | (dBi) | (dB) | (dBm/MHz) | (mW/MHz) | (mW/MHz)   | (dBm/MHz) | (mW/MHz) | (mW/MHz)  | (dBm/MHz) | (dBm/MHz) | (dBm/MHz) |
| 5610MHz_TnomVnom | Pass   | 2.65  | 0.49 | 3.85      | 2.42767  | 2.5        | 6.50      | 4.46684  | 12.5      | -2.81     | -0.10     | -0.33     |

**Power** = Antenna Power sum by P1~PN;

**Summary**

| Mode                           | Result | Power<br>(dBm/MHz) | Power<br>(mW/MHz) | Declare<br>(dBm/MHz) | Declare<br>(mW/MHz) | Tolerance<br>(%) | Limit+<br>(%) | Limit-<br>(%) |
|--------------------------------|--------|--------------------|-------------------|----------------------|---------------------|------------------|---------------|---------------|
| 5.15-5.25GHz                   | -      | -                  | -                 | -                    | -                   | -                | -             | -             |
| 802.11a_Nss1_3TX               | Pass   | 7.02               | 5.03501           | 7.02                 | 5.04                | 0.00             | 20            | -80           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 7.15               | 5.18800           | 7.15                 | 5.19                | 0.00             | 20            | -80           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 4.15               | 2.60016           | 4.15                 | 2.60                | 0.00             | 20            | -80           |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 1.08               | 1.28233           | 1.08                 | 1.28                | 0.00             | 20            | -80           |
| 5.25-5.35GHz                   |        |                    |                   |                      |                     |                  | -             | -             |
| 802.11a_Nss1_3TX               | Pass   | 6.96               | 4.96592           | 6.96                 | 4.97                | 0.00             | 20            | -80           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 7.17               | 5.21195           | 7.17                 | 5.21                | 0.00             | 20            | -80           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 4.03               | 2.52929           | 4.03                 | 2.53                | 0.00             | 20            | -80           |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 1.16               | 1.30617           | 1.16                 | 1.31                | 0.00             | 20            | -80           |
| 5.47-5.725GHz                  |        |                    |                   |                      |                     |                  | -             | -             |
| 802.11a_Nss1_3TX               | Pass   | 9.99               | 9.97700           | 9.99                 | 9.98                | 0.00             | 50            | -50           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 9.62               | 9.16220           | 9.62                 | 9.16                | 0.00             | 50            | -50           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 6.69               | 4.66659           | 6.69                 | 4.67                | 0.00             | 50            | -50           |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 3.85               | 2.42661           | 3.85                 | 2.43                | 0.00             | 50            | -50           |

**Result**

| Mode                           | Result | Power<br>(dBm/MHz) | Power<br>(mW/MHz) | Declare<br>(dBm/MHz) | Declare<br>(mW/MHz) | Tolerance<br>(%) | Limit+<br>(%) | Limit-<br>(%) |
|--------------------------------|--------|--------------------|-------------------|----------------------|---------------------|------------------|---------------|---------------|
| 802.11a_Nss1_3TX               | -      | -                  | -                 | -                    | -                   | -                | -             | -             |
| 5180MHz                        | Pass   | 7.02               | 5.03501           | 7.02                 | 5.04                | 0.00             | 20            | -80           |
| 5240MHz                        | Pass   | 7.00               | 5.01187           | 7.02                 | 5.04                | -0.46            | 20            | -80           |
| 5260MHz                        | Pass   | 6.72               | 4.69894           | 6.96                 | 4.97                | -5.38            | 20            | -80           |
| 5320MHz                        | Pass   | 6.96               | 4.96592           | 6.96                 | 4.97                | 0.00             | 20            | -80           |
| 5500MHz                        | Pass   | 9.98               | 9.95405           | 9.99                 | 9.98                | -0.23            | 50            | -50           |
| 5600MHz                        | Pass   | 9.99               | 9.97700           | 9.99                 | 9.98                | 0.00             | 50            | -50           |
| 5700MHz                        | Pass   | 9.57               | 9.05733           | 9.99                 | 9.98                | -9.22            | 50            | -50           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -                  | -                 | -                    | -                   | -                | -             | -             |
| 5180MHz                        | Pass   | 7.07               | 5.09331           | 7.15                 | 5.19                | -1.83            | 20            | -80           |
| 5240MHz                        | Pass   | 7.15               | 5.18800           | 7.15                 | 5.19                | 0.00             | 20            | -80           |
| 5260MHz                        | Pass   | 6.82               | 4.80839           | 7.17                 | 5.21                | -2.28            | 20            | -80           |
| 5320MHz                        | Pass   | 7.17               | 5.21195           | 7.17                 | 5.21                | 0.00             | 20            | -80           |
| 5500MHz                        | Pass   | 9.62               | 9.16220           | 9.62                 | 9.16                | 0.00             | 50            | -50           |
| 5600MHz                        | Pass   | 9.61               | 9.14113           | 9.62                 | 9.16                | -0.23            | 50            | -50           |
| 5700MHz                        | Pass   | 9.59               | 9.09913           | 9.62                 | 9.16                | -0.69            | 50            | -50           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -                  | -                 | -                    | -                   | -                | -             | -             |
| 5190MHz                        | Pass   | 4.15               | 2.60016           | 4.15                 | 2.60                | 0.00             | 20            | -80           |
| 5230MHz                        | Pass   | 4.15               | 2.60016           | 4.15                 | 2.60                | 0.00             | 20            | -80           |
| 5270MHz                        | Pass   | 3.74               | 2.36591           | 4.03                 | 2.53                | -6.46            | 20            | -80           |
| 5310MHz                        | Pass   | 4.03               | 2.52929           | 4.03                 | 2.53                | 0.00             | 20            | -80           |
| 5510MHz                        | Pass   | 6.61               | 4.58142           | 6.69                 | 4.67                | -1.83            | 50            | -50           |



## Power Tolerance Result

## Appendix C.2

| Mode                           | Result | Power<br>(dBm/MHz) | Power<br>(mW/MHz) | Declare<br>(dBm/MHz) | Declare<br>(mW/MHz) | Tolerance<br>(%) | Limit+<br>(%) | Limit-<br>(%) |
|--------------------------------|--------|--------------------|-------------------|----------------------|---------------------|------------------|---------------|---------------|
| 5590MHz                        | Pass   | 6.63               | 4.60257           | 6.69                 | 4.67                | -1.37            | 50            | -50           |
| 5670MHz                        | Pass   | 6.69               | 4.66659           | 6.69                 | 4.67                | 0.00             | 50            | -50           |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -                  | -                 | -                    | -                   | -                | -             | -             |
| 5210MHz                        | Pass   | 1.08               | 1.28233           | 1.08                 | 1.28                | 0.00             | 20            | -80           |
| 5290MHz                        | Pass   | 1.16               | 1.30617           | 1.16                 | 1.31                | 0.00             | 20            | -80           |
| 5530MHz                        | Pass   | 3.84               | 2.42103           | 3.85                 | 2.43                | -0.23            | 50            | -50           |
| 5610MHz                        | Pass   | 3.85               | 2.42661           | 3.85                 | 2.43                | 0.00             | 50            | -50           |

**Summary**

| Mode                           | Result | Function |
|--------------------------------|--------|----------|
| 5.15-5.25GHz                   | -      | -        |
| 802.11a_Nss1_3TX               | Pass   | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | Good     |
| 5.25-5.35GHz                   | -      | -        |
| 802.11a_Nss1_3TX               | Pass   | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | Good     |
| 5.47-5.725GHz                  | -      | -        |
| 802.11a_Nss1_3TX               | Pass   | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | Good     |

**Result**

| Mode                           | Result | Function |
|--------------------------------|--------|----------|
| 802.11a_Nss1_3TX               | -      | -        |
| 5180MHz                        | Pass   | Good     |
| 5240MHz                        | Pass   | Good     |
| 5260MHz                        | Pass   | Good     |
| 5320MHz                        | Pass   | Good     |
| 5500MHz                        | Pass   | Good     |
| 5600MHz                        | Pass   | Good     |
| 5700MHz                        | Pass   | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -        |
| 5180MHz                        | Pass   | Good     |
| 5240MHz                        | Pass   | Good     |
| 5260MHz                        | Pass   | Good     |
| 5320MHz                        | Pass   | Good     |
| 5500MHz                        | Pass   | Good     |
| 5600MHz                        | Pass   | Good     |
| 5700MHz                        | Pass   | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -        |
| 5190MHz                        | Pass   | Good     |
| 5230MHz                        | Pass   | Good     |
| 5270MHz                        | Pass   | Good     |
| 5310MHz                        | Pass   | Good     |
| 5510MHz                        | Pass   | Good     |
| 5590MHz                        | Pass   | Good     |
| 5670MHz                        | Pass   | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -        |
| 5210MHz                        | Pass   | Good     |
| 5290MHz                        | Pass   | Good     |
| 5530MHz                        | Pass   | Good     |
| 5610MHz                        | Pass   | Good     |



## Adjacent Channel Leakage Power Result

## Appendix E

### Summary

| Mode                              | Result | -Adj Ch<br>(dB/dBm) | +Adj Ch<br>(dB/dBm) | Limit<br>(dB/dBm) | -Alt Ch<br>(dB/dBm) | +Alt Ch<br>(dB/dBm) | Limit<br>(dB/dBm) | Port |
|-----------------------------------|--------|---------------------|---------------------|-------------------|---------------------|---------------------|-------------------|------|
| 5.15-5.25GHz                      | -      | -                   | -                   | -                 | -                   | -                   | -                 | -    |
| 802.11a_Nss1_3TX                  | Pass   | 39.19               | 39.50               | 25                | 46.81               | 46.95               | 40                | 1    |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | Pass   | 38.54               | 37.66               | 25                | 45.17               | 44.47               | 40                | 3    |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | Pass   | 37.68               | 36.41               | 25                | 41.25               | 40.80               | 40                | 3    |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | Pass   | 33.36               | 32.54               | 25                | -                   | -                   | -                 | 3    |
| 5.25-5.35GHz                      | -      | -                   | -                   | -                 | -                   | -                   | -                 | -    |
| 802.11a_Nss1_3TX                  | Pass   | 39.24               | 38.95               | 25                | 44.79               | 44.68               | 40                | 1    |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | Pass   | 38.38               | 37.98               | 25                | 44.71               | 44.99               | 40                | 3    |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | Pass   | 37.06               | 36.59               | 25                | 40.54               | 40.51               | 40                | 1    |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | Pass   | 32.97               | 32.40               | 25                | -                   | -                   | -                 | 3    |
| 5.47-5.725GHz                     | -      | -                   | -                   | -                 | -                   | -                   | -                 | -    |
| 802.11a_Nss1_3TX                  | Pass   | 38.06               | 38.37               | 25                | 47.76               | 47.40               | 40                | 1    |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | Pass   | 37.00               | 37.33               | 25                | 47.93               | 47.59               | 40                | 1    |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | Pass   | 37.71               | 37.80               | 25                | 45.02               | 45.29               | 40                | 2    |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | Pass   | 33.89               | 34.72               | 25                | -                   | -                   | -                 | 2    |

### Result

| Mode                              | Result | -Adj Ch<br>(dB/dBm) | +Adj Ch<br>(dB/dBm) | Limit<br>(dB/dBm) | -Alt Ch<br>(dB/dBm) | +Alt Ch<br>(dB/dBm) | Limit<br>(dB/dBm) | Port |
|-----------------------------------|--------|---------------------|---------------------|-------------------|---------------------|---------------------|-------------------|------|
| 802.11a_Nss1_3TX                  | -      | -                   | -                   | -                 | -                   | -                   | -                 | -    |
| 5180MHz                           | Pass   | 39.73               | 39.50               | 25                | 48.19               | 47.64               | 40                | 1    |
| 5180MHz                           | Pass   | 39.76               | 39.57               | 25                | 47.71               | 47.08               | 40                | 2    |
| 5180MHz                           | Pass   | 39.77               | 39.19               | 25                | 47.61               | 46.85               | 40                | 3    |
| 5240MHz                           | Pass   | 39.19               | 39.50               | 25                | 46.81               | 46.95               | 40                | 1    |
| 5240MHz                           | Pass   | 39.76               | 39.46               | 25                | 47.37               | 47.41               | 40                | 2    |
| 5240MHz                           | Pass   | 39.65               | 39.29               | 25                | 46.77               | 46.79               | 40                | 3    |
| 5260MHz                           | Pass   | 39.57               | 39.52               | 25                | 47.00               | 47.37               | 40                | 1    |
| 5260MHz                           | Pass   | 39.81               | 39.75               | 25                | 47.70               | 47.97               | 40                | 2    |
| 5260MHz                           | Pass   | 39.93               | 39.53               | 25                | 47.19               | 47.42               | 40                | 3    |
| 5320MHz                           | Pass   | 39.24               | 38.95               | 25                | 44.79               | 44.68               | 40                | 1    |
| 5320MHz                           | Pass   | 39.65               | 39.23               | 25                | 45.32               | 45.18               | 40                | 2    |
| 5320MHz                           | Pass   | 39.28               | 38.76               | 25                | 45.07               | 44.89               | 40                | 3    |
| 5500MHz                           | Pass   | 38.53               | 38.14               | 25                | 48.54               | 48.16               | 40                | 1    |
| 5500MHz                           | Pass   | 38.37               | 38.60               | 25                | 48.43               | 48.23               | 40                | 2    |
| 5500MHz                           | Pass   | 38.26               | 38.33               | 25                | 48.53               | 48.24               | 40                | 3    |
| 5600MHz                           | Pass   | 38.15               | 38.88               | 25                | 48.74               | 49.46               | 40                | 1    |
| 5600MHz                           | Pass   | 38.26               | 38.87               | 25                | 48.41               | 49.15               | 40                | 2    |
| 5600MHz                           | Pass   | 37.99               | 38.43               | 25                | 48.05               | 48.72               | 40                | 3    |
| 5700MHz                           | Pass   | 38.06               | 38.37               | 25                | 47.76               | 47.40               | 40                | 1    |
| 5700MHz                           | Pass   | 38.52               | 38.72               | 25                | 48.56               | 48.19               | 40                | 2    |
| 5700MHz                           | Pass   | 38.17               | 38.03               | 25                | 48.20               | 47.71               | 40                | 3    |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | -      | -                   | -                   | -                 | -                   | -                   | -                 | -    |
| 5180MHz                           | Pass   | 38.47               | 38.31               | 25                | 46.08               | 45.45               | 40                | 1    |
| 5180MHz                           | Pass   | 38.57               | 37.84               | 25                | 45.63               | 44.96               | 40                | 2    |
| 5180MHz                           | Pass   | 38.54               | 37.66               | 25                | 45.17               | 44.47               | 40                | 3    |
| 5240MHz                           | Pass   | 38.15               | 38.17               | 25                | 45.07               | 45.20               | 40                | 1    |
| 5240MHz                           | Pass   | 38.38               | 38.16               | 25                | 45.63               | 45.69               | 40                | 2    |
| 5240MHz                           | Pass   | 38.48               | 38.13               | 25                | 45.04               | 45.04               | 40                | 3    |
| 5260MHz                           | Pass   | 38.38               | 38.24               | 25                | 44.76               | 45.14               | 40                | 1    |
| 5260MHz                           | Pass   | 38.31               | 38.07               | 25                | 45.25               | 45.56               | 40                | 2    |
| 5260MHz                           | Pass   | 38.38               | 37.98               | 25                | 44.71               | 44.99               | 40                | 3    |
| 5320MHz                           | Pass   | 38.56               | 37.99               | 25                | 45.13               | 44.97               | 40                | 1    |
| 5320MHz                           | Pass   | 38.74               | 37.87               | 25                | 45.98               | 45.74               | 40                | 2    |
| 5320MHz                           | Pass   | 38.80               | 38.17               | 25                | 45.27               | 45.13               | 40                | 3    |
| 5500MHz                           | Pass   | 37.38               | 37.05               | 25                | 49.09               | 48.77               | 40                | 1    |
| 5500MHz                           | Pass   | 37.05               | 36.96               | 25                | 48.49               | 48.31               | 40                | 2    |
| 5500MHz                           | Pass   | 37.34               | 36.97               | 25                | 48.52               | 48.29               | 40                | 3    |
| 5600MHz                           | Pass   | 36.72               | 37.65               | 25                | 48.25               | 48.93               | 40                | 1    |
| 5600MHz                           | Pass   | 37.09               | 37.60               | 25                | 48.27               | 48.94               | 40                | 2    |



## Adjacent Channel Leakage Power Result

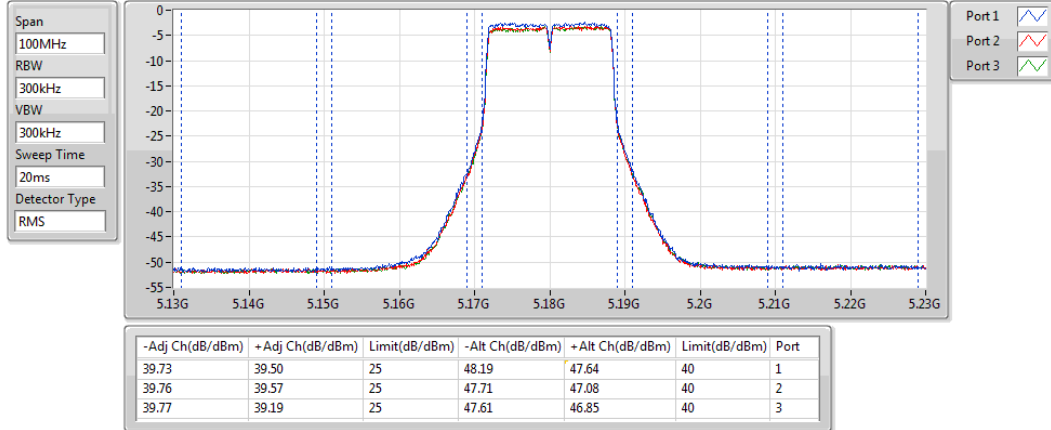
## Appendix E

| Mode                              | Result | -Adj Ch<br>(dB/dBm) | +Adj Ch<br>(dB/dBm) | Limit<br>(dB/dBm) | -Alt Ch<br>(dB/dBm) | +Alt Ch<br>(dB/dBm) | Limit<br>(dB/dBm) | Port |
|-----------------------------------|--------|---------------------|---------------------|-------------------|---------------------|---------------------|-------------------|------|
| 5600MHz                           | Pass   | 37.22               | 37.26               | 25                | 47.88               | 48.50               | 40                | 3    |
| 5700MHz                           | Pass   | 37.00               | 37.33               | 25                | 47.93               | 47.59               | 40                | 1    |
| 5700MHz                           | Pass   | 37.67               | 37.62               | 25                | 48.76               | 48.42               | 40                | 2    |
| 5700MHz                           | Pass   | 37.05               | 36.62               | 25                | 48.80               | 48.35               | 40                | 3    |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | -      | -                   | -                   | -                 | -                   | -                   | -                 | -    |
| 5190MHz                           | Pass   | 37.38               | 36.93               | 25                | 41.85               | 41.54               | 40                | 1    |
| 5190MHz                           | Pass   | 37.70               | 36.82               | 25                | 41.72               | 41.31               | 40                | 2    |
| 5190MHz                           | Pass   | 37.68               | 36.41               | 25                | 41.25               | 40.80               | 40                | 3    |
| 5230MHz                           | Pass   | 37.27               | 37.16               | 25                | 41.74               | 41.56               | 40                | 1    |
| 5230MHz                           | Pass   | 37.62               | 37.03               | 25                | 42.18               | 41.89               | 40                | 2    |
| 5230MHz                           | Pass   | 37.58               | 36.54               | 25                | 41.38               | 41.05               | 40                | 3    |
| 5270MHz                           | Pass   | 37.20               | 37.16               | 25                | 41.36               | 41.31               | 40                | 1    |
| 5270MHz                           | Pass   | 37.62               | 37.35               | 25                | 41.86               | 41.76               | 40                | 2    |
| 5270MHz                           | Pass   | 37.46               | 36.90               | 25                | 41.27               | 41.08               | 40                | 3    |
| 5310MHz                           | Pass   | 37.06               | 36.59               | 25                | 40.54               | 40.51               | 40                | 1    |
| 5310MHz                           | Pass   | 37.81               | 36.80               | 25                | 41.30               | 41.27               | 40                | 2    |
| 5310MHz                           | Pass   | 37.55               | 36.65               | 25                | 40.51               | 40.50               | 40                | 3    |
| 5510MHz                           | Pass   | 38.83               | 38.42               | 25                | 45.62               | 45.58               | 40                | 1    |
| 5510MHz                           | Pass   | 38.77               | 38.69               | 25                | 45.38               | 45.40               | 40                | 2    |
| 5510MHz                           | Pass   | 38.91               | 38.48               | 25                | 45.32               | 45.29               | 40                | 3    |
| 5590MHz                           | Pass   | 37.90               | 38.58               | 25                | 45.36               | 45.59               | 40                | 1    |
| 5590MHz                           | Pass   | 37.71               | 37.80               | 25                | 45.02               | 45.29               | 40                | 2    |
| 5590MHz                           | Pass   | 38.50               | 38.73               | 25                | 45.07               | 45.32               | 40                | 3    |
| 5670MHz                           | Pass   | 38.15               | 38.65               | 25                | 44.70               | 44.66               | 40                | 1    |
| 5670MHz                           | Pass   | 38.64               | 38.71               | 25                | 45.39               | 45.35               | 40                | 2    |
| 5670MHz                           | Pass   | 38.95               | 37.62               | 25                | 45.30               | 45.17               | 40                | 3    |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | -      | -                   | -                   | -                 | -                   | -                   | -                 | -    |
| 5210MHz                           | Pass   | 33.60               | 33.31               | 25                | -                   | -                   | -                 | 1    |
| 5210MHz                           | Pass   | 33.78               | 33.09               | 25                | -                   | -                   | -                 | 2    |
| 5210MHz                           | Pass   | 33.36               | 32.54               | 25                | -                   | -                   | -                 | 3    |
| 5290MHz                           | Pass   | 32.91               | 32.68               | 25                | -                   | -                   | -                 | 1    |
| 5290MHz                           | Pass   | 33.60               | 32.91               | 25                | -                   | -                   | -                 | 2    |
| 5290MHz                           | Pass   | 32.97               | 32.40               | 25                | -                   | -                   | -                 | 3    |
| 5530MHz                           | Pass   | 36.79               | 37.11               | 25                | -                   | -                   | -                 | 1    |
| 5530MHz                           | Pass   | 36.32               | 37.07               | 25                | -                   | -                   | -                 | 2    |
| 5530MHz                           | Pass   | 36.76               | 37.13               | 25                | -                   | -                   | -                 | 3    |
| 5610MHz                           | Pass   | 34.30               | 35.36               | 25                | -                   | -                   | -                 | 1    |
| 5610MHz                           | Pass   | 33.89               | 34.72               | 25                | -                   | -                   | -                 | 2    |
| 5610MHz                           | Pass   | 36.13               | 36.25               | 25                | -                   | -                   | -                 | 3    |

## 802.11a\_Nss1\_3TX 5180MHz\_TnomVnom

## ACLR

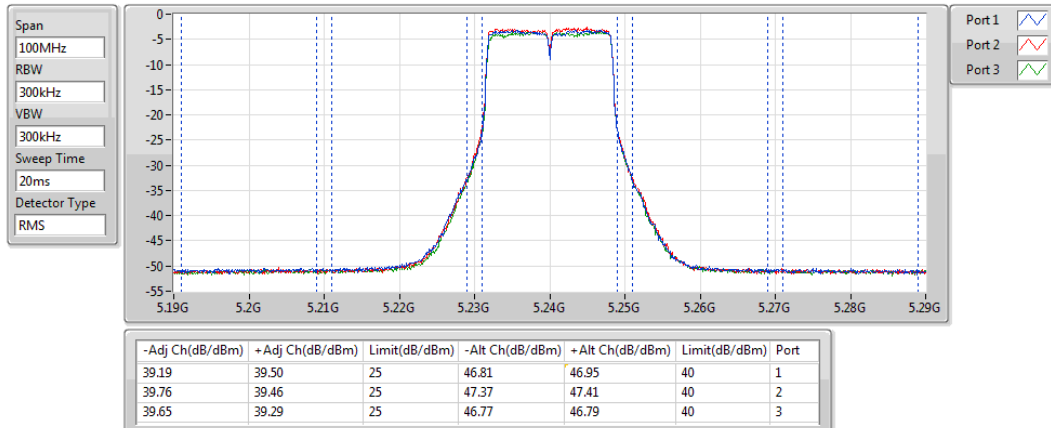
09/03/2018



## 802.11a\_Nss1\_3TX 5240MHz\_TnomVnom

## ACLR

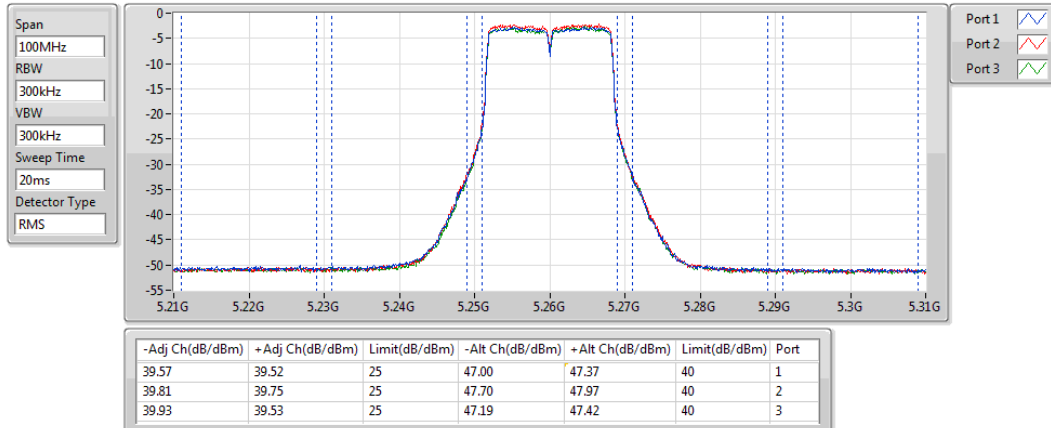
09/03/2018



## 802.11a\_Nss1\_3TX 5260MHz\_TnomVnom

## ACLR

09/03/2018

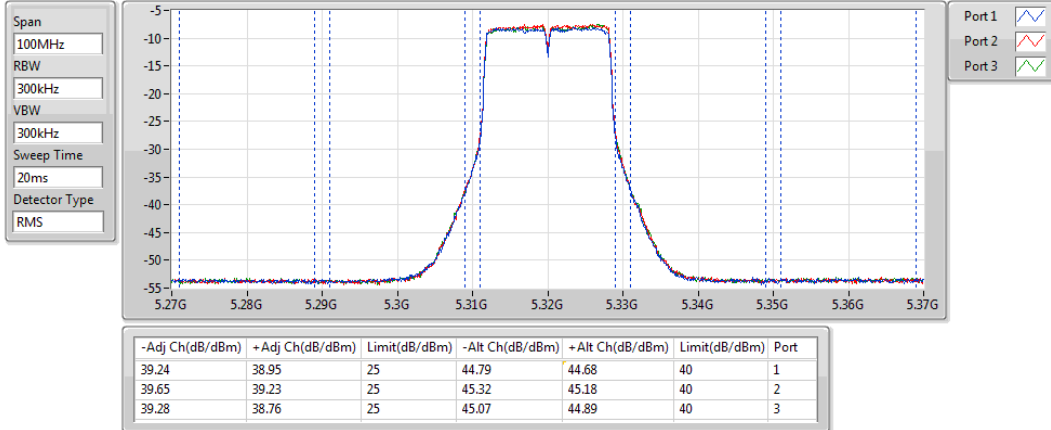


### 802.11a\_Nss1\_3TX

#### 5320MHz\_TnomVnom

### ACLR

09/03/2018

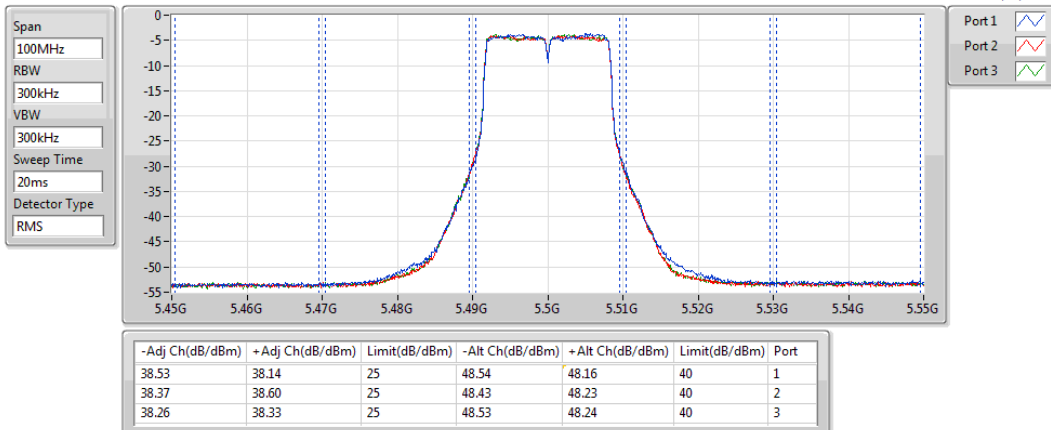


### 802.11a\_Nss1\_3TX

#### 5500MHz\_TnomVnom

### ACLR

09/03/2018

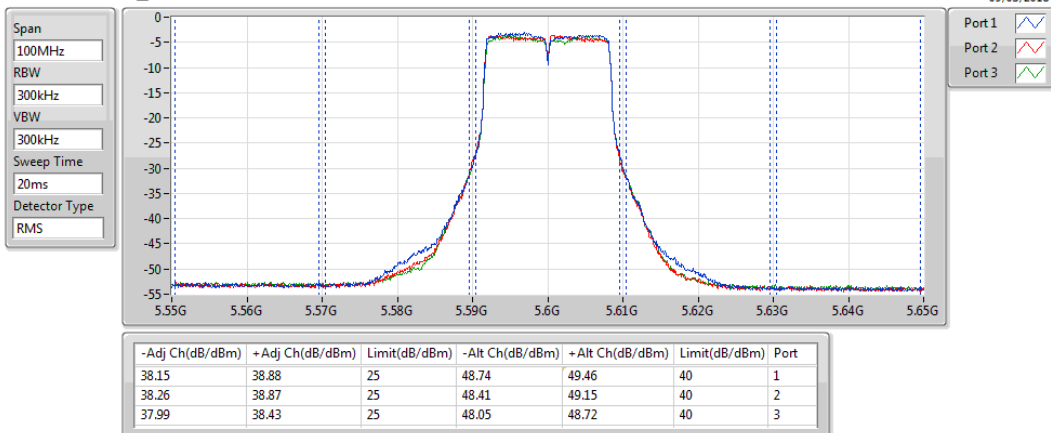


### 802.11a\_Nss1\_3TX

#### 5600MHz\_TnomVnom

### ACLR

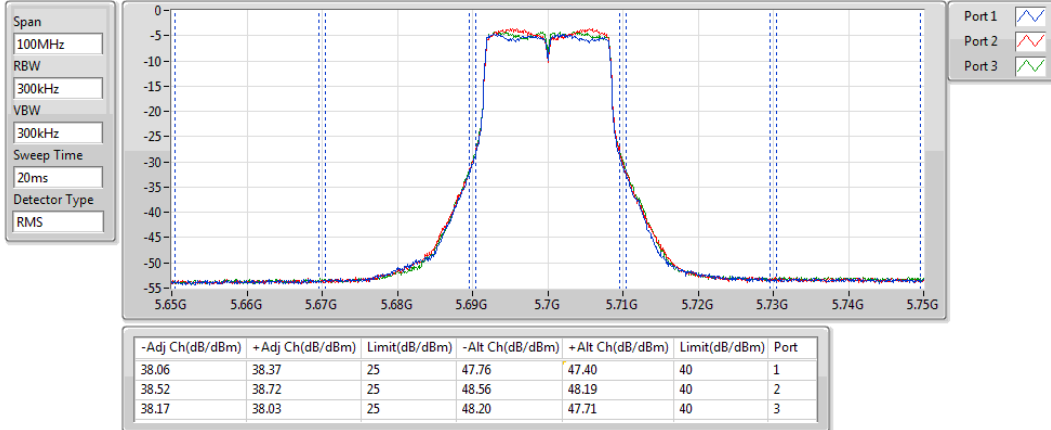
09/03/2018



### 802.11a\_Nss1\_3TX 5700MHz\_TnomVnom

#### ACLR

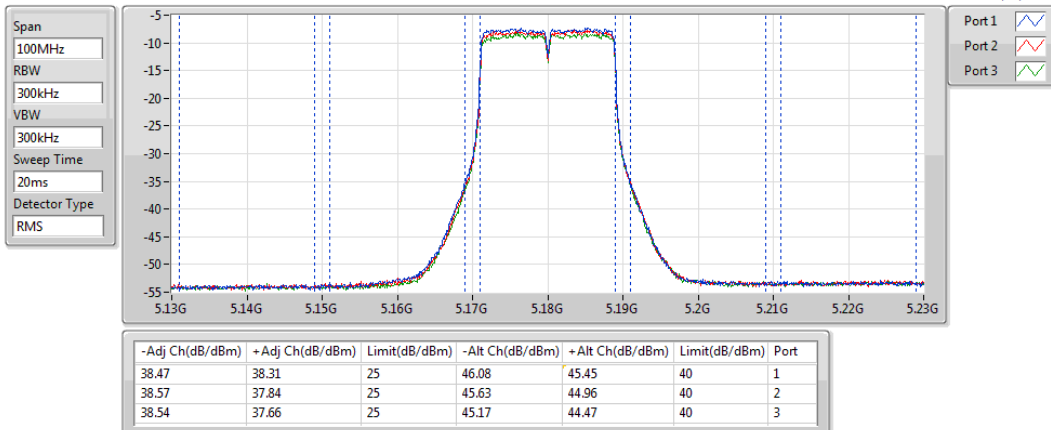
09/03/2018



### 802.11ac VHT20\_Nss1,(MCS0)\_3TX 5180MHz\_TnomVnom

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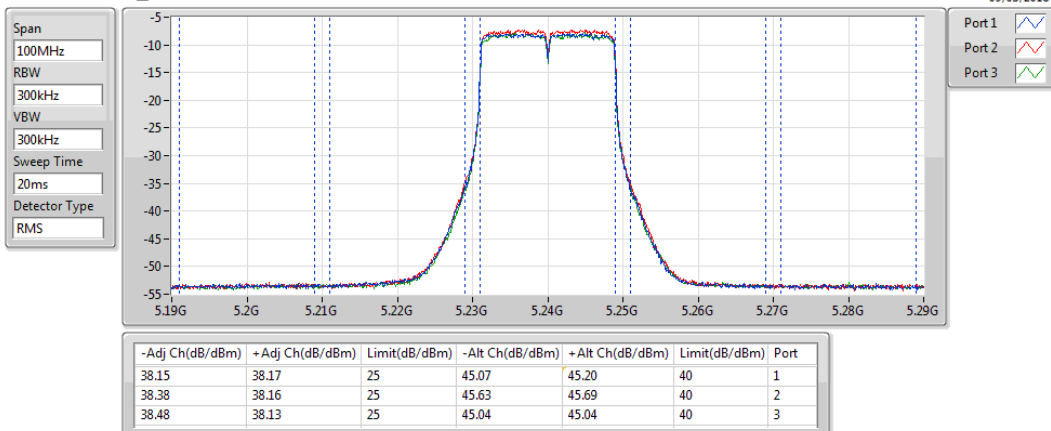
09/03/2018



### 802.11ac VHT20\_Nss1,(MCS0)\_3TX 5240MHz\_TnomVnom

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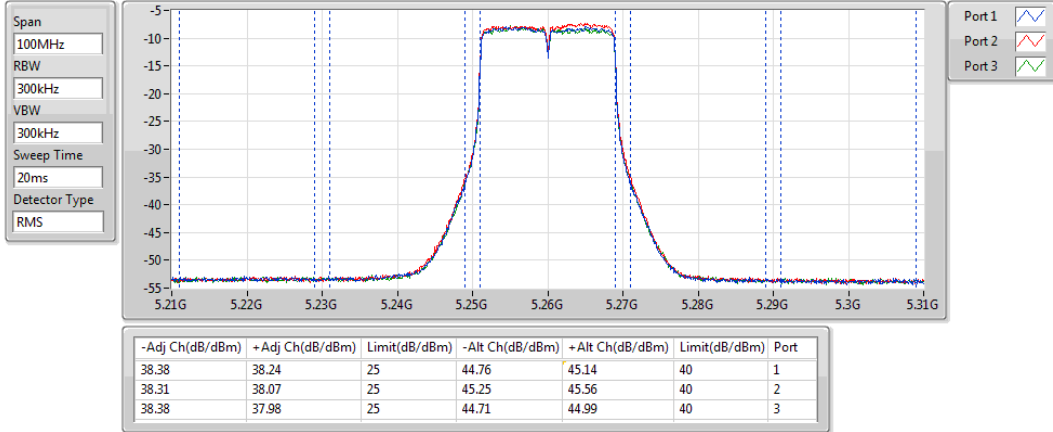
09/03/2018



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX 5260MHz\_TnomVnom

## ACLR

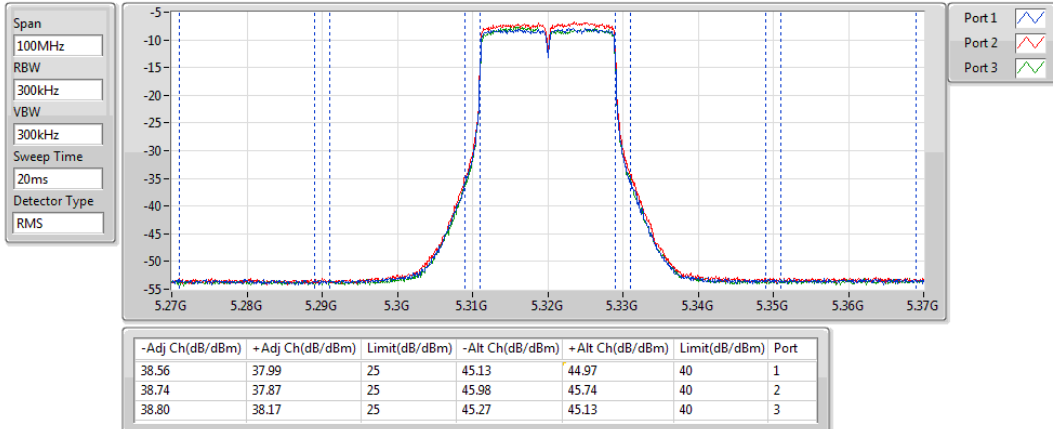
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## 802.11ac VHT20\_Nss1,(MCS0)\_3TX 5320MHz\_TnomVnom

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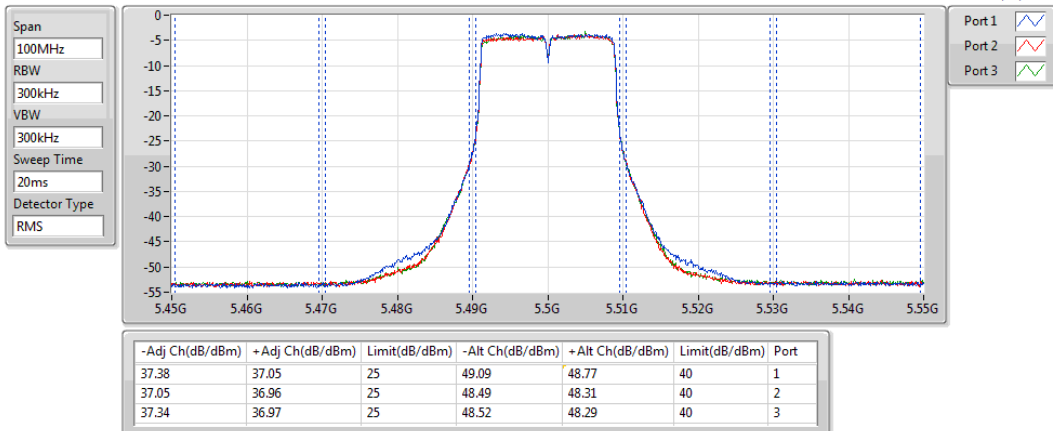
09/03/2018



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX 5500MHz\_TnomVnom

## ACLR

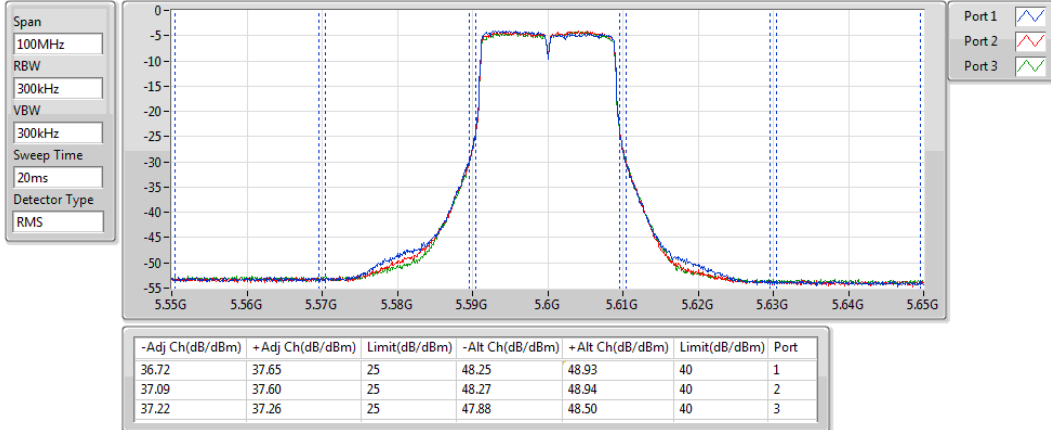
09/03/2018



### 802.11ac VHT20\_Nss1,(MCS0)\_3TX 5600MHz\_TnomVnom

#### ACLR

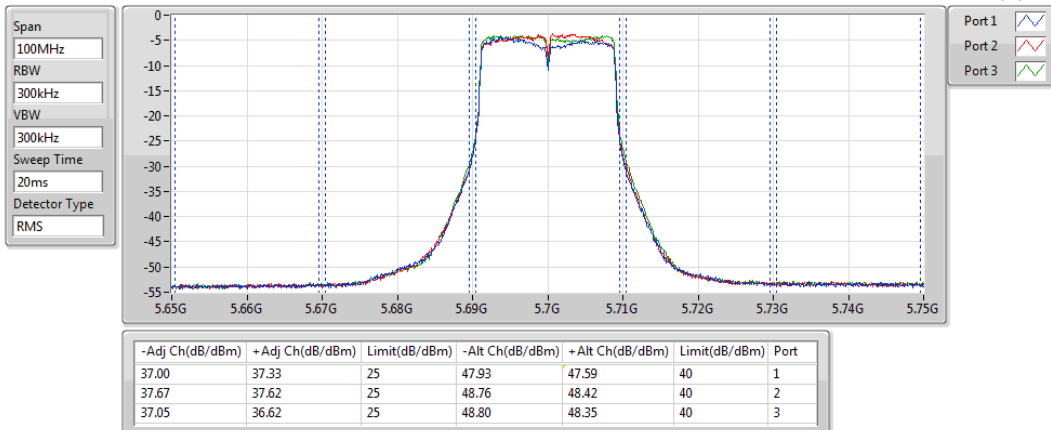
09/03/2018



### 802.11ac VHT20\_Nss1,(MCS0)\_3TX 5700MHz\_TnomVnom

#### ACLR

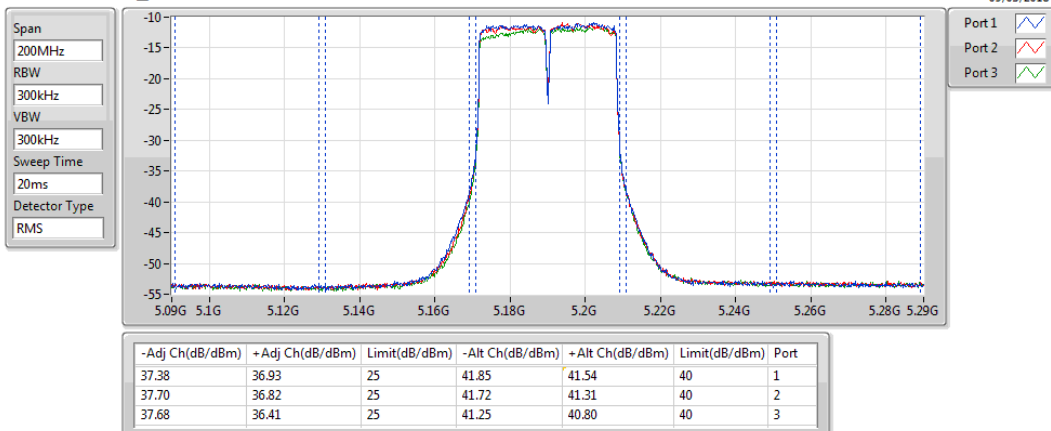
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX 5190MHz\_TnomVnom

#### ACLR

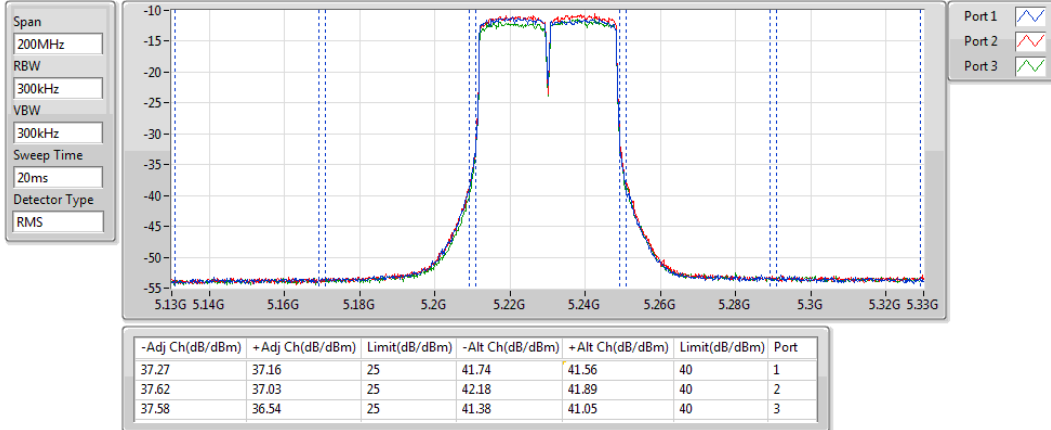
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX 5230MHz\_TnomVnom

#### ACLR

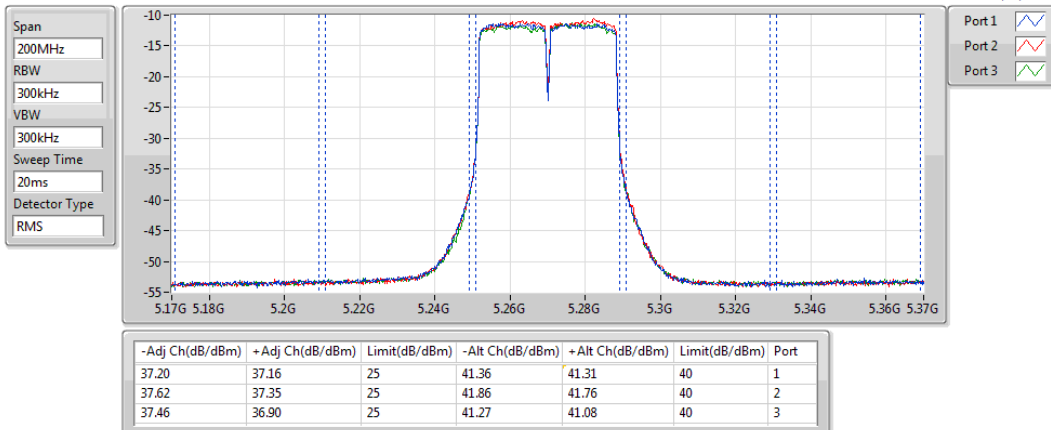
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX 5270MHz\_TnomVnom

#### ACLR

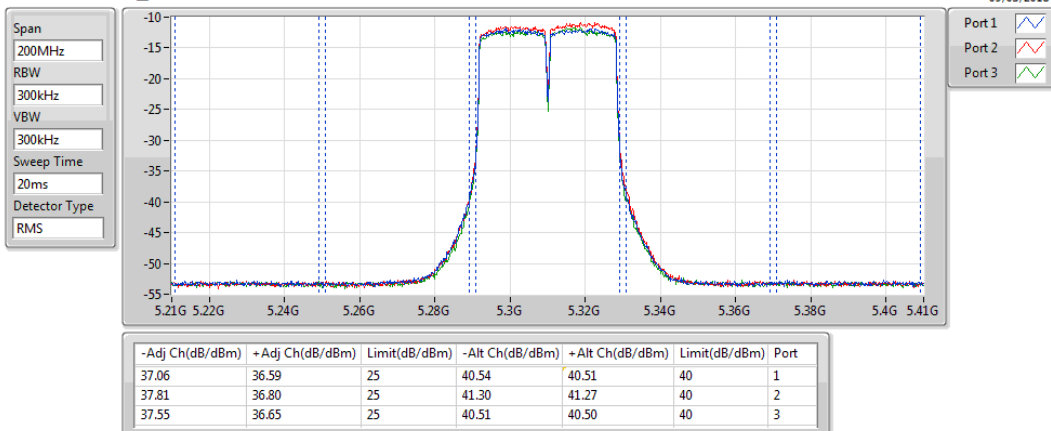
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX 5310MHz\_TnomVnom

#### ACLR

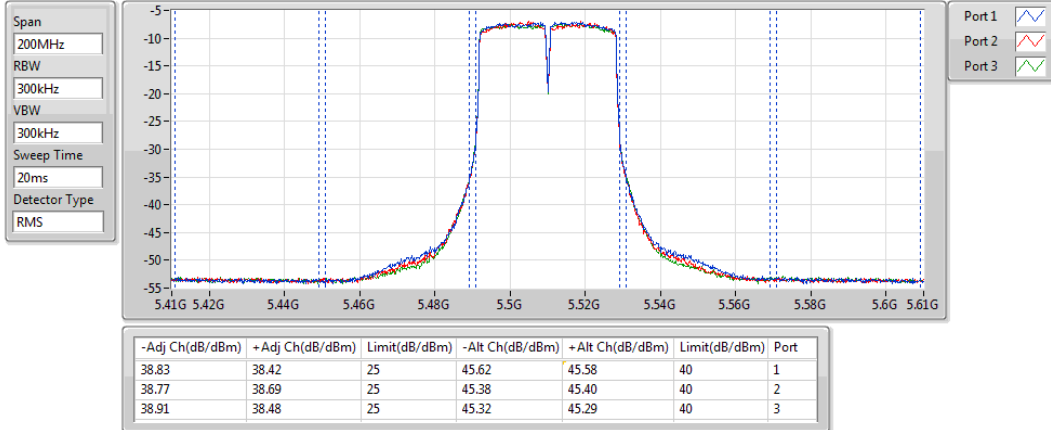
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX 5510MHz\_TnomVnom

#### ACLR

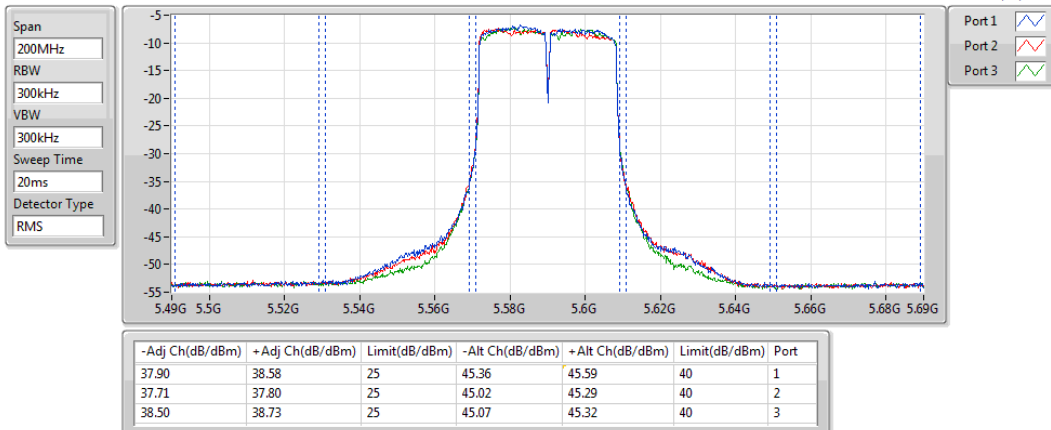
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX 5590MHz\_TnomVnom

#### ACLR

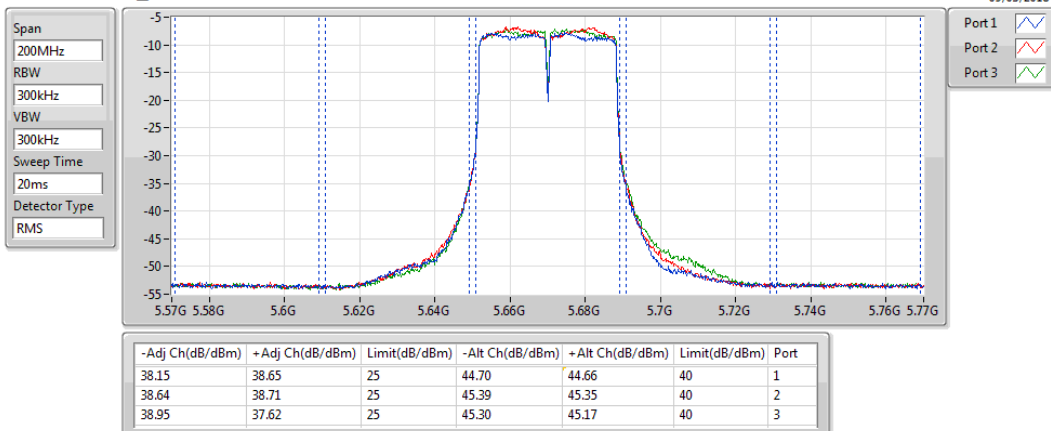
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX 5670MHz\_TnomVnom

#### ACLR

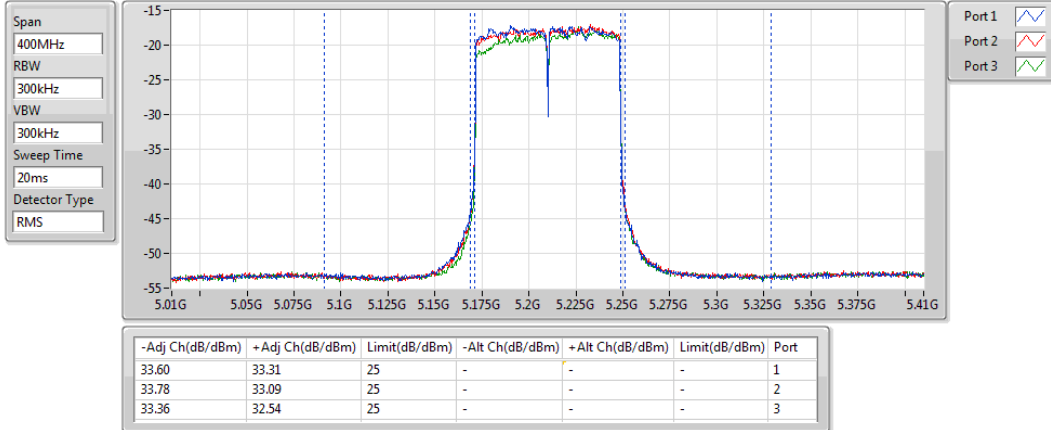
09/03/2018



### 802.11ac VHT80\_Nss1,(MCS0)\_3TX 5210MHz\_TnomVnom

#### ACLR

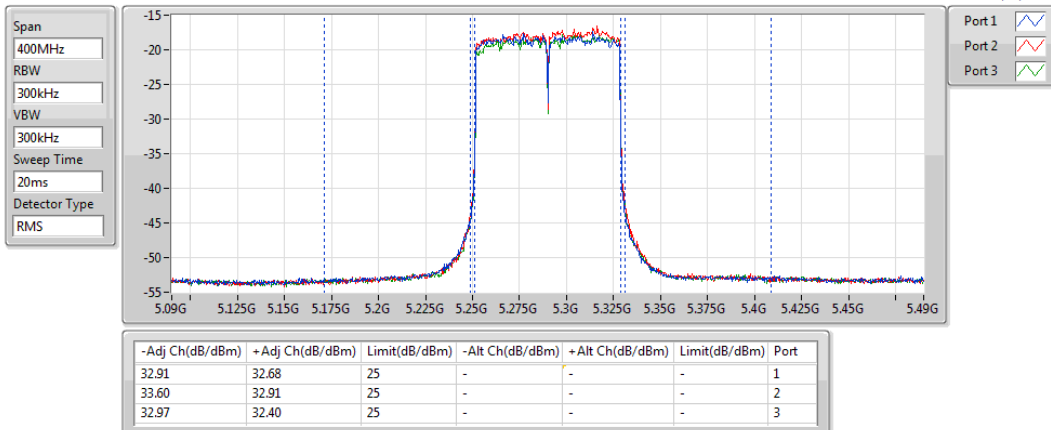
09/03/2018



### 802.11ac VHT80\_Nss1,(MCS0)\_3TX 5290MHz\_TnomVnom

#### ACLR

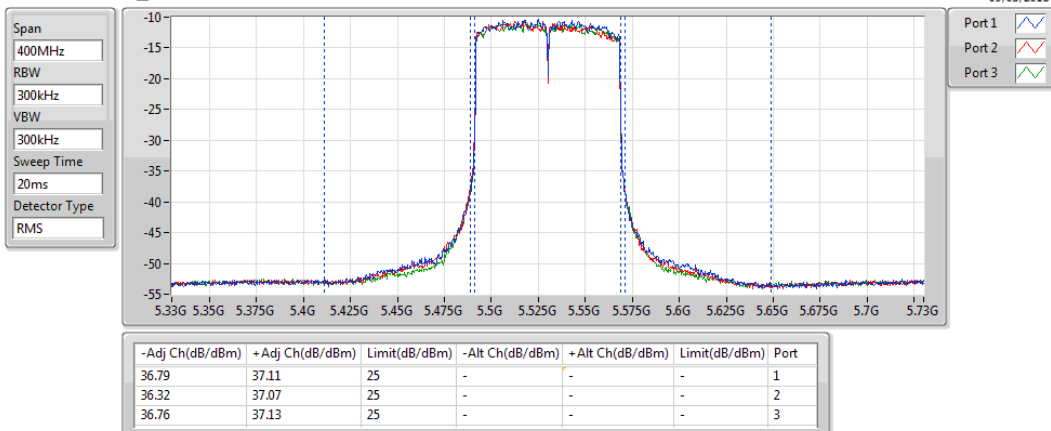
09/03/2018



### 802.11ac VHT80\_Nss1,(MCS0)\_3TX 5530MHz\_TnomVnom

#### ACLR

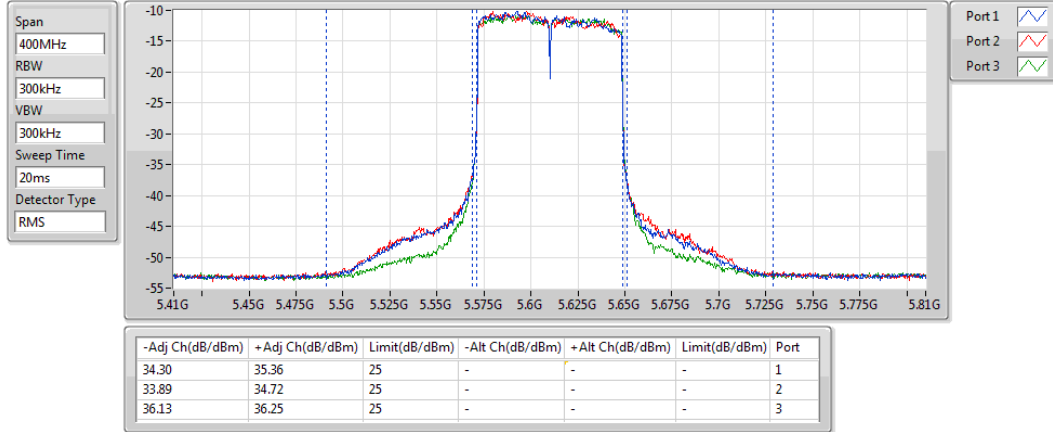
09/03/2018



802.11ac VHT80\_Nss1,(MCS0)\_3TX  
5610MHz\_TnomVnom

ACLR

09/03/2018



**Summary**

| Mode                          | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | EIRP<br>(dBm) | EIRP<br>(uW/MHz) | Limit<br>(dBm) | Limit<br>(uW/MHz) | Margin<br>(dB) | DG<br>(dB) | Loss<br>(dB) | Psum<br>(dBm) | Psum<br>(uW/MHz) | P1<br>(dBm) | P1<br>(uW/MHz) | P2<br>(dBm) | P2<br>(uW/MHz) | P3<br>(dBm) | P3<br>(uW/MHz) |
|-------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|------------|--------------|---------------|------------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 5.15-5.25GHz                  | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -          | -            | -             | -                | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX              | Pass   | 5.25G           | 5.251G         | 1M          | 5250.995      | -19.01        | 12.5603          | -9.95          | 101.16            | -9.06          | 2.81       | 2.72         | -21.82        | 6.57267          | -26.45      | 2.26464        | -26.42      | 2.28034        | -26.93      | 2.02768        |
| 802.11ac_VHT20_Nss1(MCS0)_3TX | Pass   | 5.25G           | 5.251G         | 1M          | 5250.996      | -21.11        | 7.74462          | -9.96          | 100.93            | -11.15         | 2.81       | 0.16         | -23.92        | 4.05211          | -28.92      | 1.28233        | -28.40      | 1.44544        | -28.78      | 1.32434        |
| 802.11ac_VHT40_Nss1(MCS0)_3TX | Pass   | 5.25G           | 5.251G         | 1M          | 5250.993      | -25.22        | 3.00608          | -12.94         | 50.82             | -12.28         | 2.81       | 0.40         | -28.03        | 1.57561          | -33.03      | 0.49774        | -32.24      | 0.59704        | -33.18      | 0.48084        |
| 802.11ac_VHT80_Nss1(MCS0)_3TX | Pass   | 5.251G          | 5.29G          | 1M          | 5251          | -29.97        | 1.00693          | -16.02         | 25                | -13.95         | 2.81       | 0.77         | -32.78        | 0.52694          | -37.44      | 0.1803         | -37.44      | 0.1803         | -37.79      | 0.16634        |
| 5.25-5.35GHz                  | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -          | -            | -             | -                | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX              | Pass   | 5.249G          | 5.25G          | 1M          | 5249.002      | -18.57        | 13.89953         | -9.98          | 100.46            | -8.59          | 2.70       | 2.72         | -21.27        | 7.46169          | -26.11      | 2.44906        | -25.72      | 2.67917        | -26.32      | 2.33346        |
| 802.11ac_VHT20_Nss1(MCS0)_3TX | Pass   | 5.249G          | 5.25G          | 1M          | 5249.002      | -20.70        | 8.51138          | -9.98          | 100.46            | -10.72         | 2.70       | 0.16         | -23.40        | 4.57211          | -28.36      | 1.45881        | -27.84      | 1.64437        | -28.33      | 1.46893        |
| 802.11ac_VHT40_Nss1(MCS0)_3TX | Pass   | 5.249G          | 5.25G          | 1M          | 5249.003      | -25.45        | 2.85102          | -12.98         | 50.35             | -12.47         | 2.70       | 0.40         | -28.15        | 1.53265          | -32.64      | 0.5445         | -32.74      | 0.53211        | -33.41      | 0.45604        |
| 802.11ac_VHT80_Nss1(MCS0)_3TX | Pass   | 5.249G          | 5.25G          | 1M          | 5249.01       | -30.71        | 0.84918          | -15.92         | 25.59             | -14.79         | 2.70       | 0.77         | -33.41        | 0.45598          | -38.29      | 0.14825        | -37.57      | 0.17498        | -38.77      | 0.13274        |
| 5.47-5.725GHz                 | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -          | -            | -             | -                | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX              | Pass   | 5.455G          | 5.46G          | 1M          | 5456.645      | -49.14        | 0.01219          | -26.02         | 2.5               | -23.12         | 2.65       | 0.22         | -51.79        | 0.00662          | -56.66      | 0.00216        | -55.63      | 0.00274        | -57.63      | 0.00173        |
| 802.11ac_VHT20_Nss1(MCS0)_3TX | Pass   | 5.455G          | 5.46G          | 1M          | 5459.02       | -49.04        | 0.01247          | -26.02         | 2.5               | -23.02         | 2.65       | 0.16         | -51.69        | 0.00678          | -57.77      | 0.00167        | -56.14      | 0.00243        | -55.72      | 0.00268        |
| 802.11ac_VHT40_Nss1(MCS0)_3TX | Pass   | 5.46G           | 5.47G          | 1M          | 5469.94       | -41.14        | 0.07691          | -13.01         | 50                | -28.13         | 2.65       | 0.40         | -43.79        | 0.04175          | -47.21      | 0.01901        | -48.82      | 0.01312        | -50.17      | 0.00962        |
| 802.11ac_VHT80_Nss1(MCS0)_3TX | Pass   | 5.34G           | 5.46G          | 1M          | 5458.44       | -40.42        | 0.09078          | -19.03         | 12.5              | -21.39         | 2.65       | 0.77         | -43.07        | 0.04935          | -46.98      | 0.02004        | -47.33      | 0.01849        | -49.66      | 0.01081        |

**Psum = Antenna Power sum by P1~PN;****EIRP = Psum+DG**



# CSE-TX-EIRP Out-Band Leakage PowerResult

Appendix F

## Result

| Mode                          | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | EIRP<br>(dBm) | EIRP<br>(uW/MHz) | Limit<br>(dBm) | Limit<br>(uW/MHz) | Margin<br>(dB) | DG<br>(dB) | Loss<br>(dB) | Psum<br>(dBm) | Psum<br>(uW/MHz) | P1<br>(dBm) | P1<br>(uW/MHz) | P2<br>(dBm) | P2<br>(uW/MHz) | P3<br>(dBm) | P3<br>(uW/MHz) |
|-------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|------------|--------------|---------------|------------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 802.11a_Nss1_3TX              | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -          | -            | -             | -                | -           | -              | -           | -              | -           | -              |
| 5180MHz                       | Pass   | 5.14G           | 5.142G         | 1M          | 5141.726      | -47.73        | 0.01887          | -26.02         | 2.5               | -21.71         | 2.81       | 2.72         | -50.54        | 0.00883          | -54.57      | 0.00349        | -54.56      | 0.0035         | -57.35      | 0.00184        |
| 5180MHz                       | Pass   | 5.142G          | 5.15G          | 1M          | 5149.528      | -47.40        | 0.0182           | -18.24         | 15                | -29.16         | 2.81       | 2.72         | -50.21        | 0.00954          | -54.23      | 0.00378        | -54.37      | 0.00366        | -56.77      | 0.0021         |
| 5180MHz                       | Pass   | 5.25G           | 5.251G         | 1M          | 5251          | -47.75        | 0.01679          | -10.00         | 100               | -37.75         | 2.81       | 2.72         | -50.56        | 0.00879          | -55.91      | 0.00256        | -54.53      | 0.00352        | -55.69      | 0.0027         |
| 5180MHz                       | Pass   | 5.251G          | 5.26G          | 1M          | 5259.991      | -47.51        | 0.01774          | -18.01         | 15.81             | -29.50         | 2.81       | 2.72         | -50.32        | 0.00929          | -55.76      | 0.00265        | -54.28      | 0.00373        | -55.37      | 0.0029         |
| 5180MHz                       | Pass   | 5.26G           | 5.2667G        | 1M          | 5266.7        | -47.37        | 0.01832          | -26.02         | 2.5               | -21.35         | 2.81       | 2.72         | -50.18        | 0.00959          | -55.48      | 0.00283        | -54.25      | 0.00376        | -55.23      | 0.003          |
| 5180MHz                       | Pass   | 5.2667G         | 5.36G          | 1M          | 5347.498      | -45.84        | 0.02906          | -26.02         | 2.5               | -19.82         | 2.81       | 2.72         | -48.65        | 0.01366          | -55.00      | 0.00316        | -52.89      | 0.00514        | -52.71      | 0.00536        |
| 5240MHz                       | Pass   | 5.14G           | 5.142G         | 1M          | 5140.902      | -50.01        | 0.00998          | -26.02         | 2.5               | -23.99         | 2.81       | 2.72         | -52.82        | 0.00522          | -55.47      | 0.00284        | -58.14      | 0.00153        | -60.71      | 0.00085        |
| 5240MHz                       | Pass   | 5.142G          | 5.15G          | 1M          | 5148.8        | -49.95        | 0.01012          | -18.24         | 15                | -31.71         | 2.81       | 2.72         | -52.76        | 0.00529          | -55.47      | 0.00284        | -58.23      | 0.0015         | -60.21      | 0.00095        |
| 5240MHz                       | Pass   | 5.25G           | 5.251G         | 1M          | 5250.995      | -19.01        | 12.5603          | -9.95          | 101.16            | -9.06          | 2.81       | 2.72         | -21.82        | 6.57267          | -26.45      | 2.26464        | -26.42      | 2.28034        | -26.93      | 2.02768        |
| 5240MHz                       | Pass   | 5.251G          | 5.26G          | 1M          | 5251          | -19.21        | 11.99499         | -10.00         | 100               | -9.21          | 2.81       | 2.72         | -22.02        | 6.28116          | -26.76      | 2.10863        | -26.54      | 2.2182         | -27.09      | 1.95434        |
| 5240MHz                       | Pass   | 5.26G           | 5.2667G        | 1M          | 5266.68       | -47.45        | 0.01799          | -26.00         | 2.51              | -21.45         | 2.81       | 2.72         | -50.26        | 0.00942          | -54.22      | 0.00378        | -54.91      | 0.00323        | -56.18      | 0.00241        |
| 5240MHz                       | Pass   | 5.2667G         | 5.36G          | 1M          | 5266.98       | -47.55        | 0.01758          | -26.02         | 2.5               | -21.53         | 2.81       | 2.72         | -50.36        | 0.00921          | -54.08      | 0.00391        | -55.34      | 0.00292        | -56.23      | 0.00238        |
| 5260MHz                       | Pass   | 5.14G           | 5.2333G        | 1M          | 5233.02       | -48.01        | 0.01581          | -26.02         | 2.5               | -21.99         | 2.70       | 2.72         | -50.71        | 0.00849          | -54.24      | 0.00377        | -55.64      | 0.00273        | -57.01      | 0.00199        |
| 5260MHz                       | Pass   | 5.2333G         | 5.24G          | 1M          | 5233.34       | -47.90        | 0.01622          | -25.97         | 2.53              | -21.93         | 2.70       | 2.72         | -50.60        | 0.00871          | -53.97      | 0.00401        | -55.66      | 0.00272        | -57.02      | 0.00199        |
| 5260MHz                       | Pass   | 5.24G           | 5.249G         | 1M          | 5248.982      | -18.69        | 13.52073         | -10.02         | 99.54             | -8.67          | 2.70       | 2.72         | -21.39        | 7.25924          | -26.21      | 2.38332        | -25.91      | 2.56448        | -26.38      | 2.30144        |
| 5260MHz                       | Pass   | 5.249G          | 5.25G          | 1M          | 5249.002      | -18.57        | 13.89953         | -9.98          | 100.46            | -8.59          | 2.70       | 2.72         | -21.27        | 7.46169          | -26.11      | 2.44906        | -25.72      | 2.67917        | -26.32      | 2.33346        |
| 5260MHz                       | Pass   | 5.35G           | 5.36G          | 1M          | 5358.69       | -47.77        | 0.01671          | -26.02         | 2.5               | -21.75         | 2.70       | 2.72         | -50.47        | 0.00897          | -54.57      | 0.00349        | -55.09      | 0.0031         | -56.24      | 0.00238        |
| 5320MHz                       | Pass   | 5.14G           | 5.2333G        | 1M          | 5229.195      | -54.39        | 0.00364          | -26.02         | 2.5               | -28.37         | 2.70       | 0.22         | -57.09        | 0.00195          | -62.14      | 0.00061        | -61.16      | 0.00077        | -62.38      | 0.00058        |
| 5320MHz                       | Pass   | 5.2333G         | 5.24G          | 1M          | 5233.313      | -54.42        | 0.00361          | -26.00         | 2.51              | -28.42         | 2.70       | 0.22         | -57.12        | 0.00194          | -61.77      | 0.00067        | -61.45      | 0.00072        | -62.52      | 0.00056        |
| 5320MHz                       | Pass   | 5.24G           | 5.249G         | 1M          | 5240          | -54.38        | 0.00365          | -18.01         | 15.81             | -36.37         | 2.70       | 0.22         | -57.08        | 0.00196          | -61.93      | 0.00064        | -61.26      | 0.00075        | -62.43      | 0.00057        |
| 5320MHz                       | Pass   | 5.249G          | 5.25G          | 1M          | 5249.003      | -54.35        | 0.00367          | -9.97          | 100.69            | -44.38         | 2.70       | 0.22         | -57.05        | 0.00197          | -62.08      | 0.00062        | -61.11      | 0.00077        | -62.36      | 0.00058        |
| 5320MHz                       | Pass   | 5.35G           | 5.36G          | 1M          | 5350.13       | -51.81        | 0.00659          | -26.02         | 2.5               | -25.79         | 2.70       | 0.22         | -54.51        | 0.00354          | -60.01      | 0.001          | -58.28      | 0.00149        | -59.76      | 0.00106        |
| 5500MHz                       | Pass   | 5.455G          | 5.46G          | 1M          | 5456.645      | -49.14        | 0.01219          | -26.02         | 2.5               | -23.12         | 2.65       | 0.22         | -51.79        | 0.00662          | -56.66      | 0.00216        | -55.63      | 0.00274        | -57.63      | 0.00173        |
| 5500MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5469.13       | -48.59        | 0.01384          | -19.03         | 12.5              | -29.56         | 2.65       | 0.22         | -51.24        | 0.00752          | -55.91      | 0.00256        | -55.18      | 0.00303        | -57.17      | 0.00192        |
| 5500MHz                       | Pass   | 5.725G          | 5.74G          | 1M          | 5725.09       | -52.69        | 0.00538          | -19.03         | 12.5              | -33.66         | 2.65       | 0.22         | -55.34        | 0.00292          | -60.42      | 0.00091        | -59.98      | 0.001          | -59.95      | 0.00101        |
| 5500MHz                       | Pass   | 5.74G           | 5.745G         | 1M          | 5742.985      | -52.80        | 0.00525          | -26.02         | 2.5               | -26.78         | 2.65       | 0.22         | -55.45        | 0.00285          | -60.82      | 0.00083        | -60.14      | 0.00097        | -59.78      | 0.00105        |
| 5600MHz                       | Pass   | 5.455G          | 5.46G          | 1M          | 5458.105      | -49.99        | 0.01002          | -26.02         | 2.5               | -23.97         | 2.65       | 0.22         | -52.64        | 0.00544          | -59.23      | 0.00119        | -57.60      | 0.00174        | -56.00      | 0.00251        |
| 5600MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5469.25       | -49.81        | 0.01045          | -19.03         | 12.5              | -30.78         | 2.65       | 0.22         | -52.46        | 0.00567          | -58.70      | 0.00135        | -57.59      | 0.00174        | -55.88      | 0.00258        |
| 5600MHz                       | Pass   | 5.725G          | 5.74G          | 1M          | 5725.135      | -51.82        | 0.00658          | -19.03         | 12.5              | -32.79         | 2.65       | 0.22         | -54.47        | 0.00357          | -61.19      | 0.00076        | -60.86      | 0.00082        | -57.01      | 0.00199        |
| 5600MHz                       | Pass   | 5.74G           | 5.745G         | 1M          | 5742.985      | -52.06        | 0.00622          | -26.02         | 2.5               | -26.04         | 2.65       | 0.22         | -54.71        | 0.00338          | -61.67      | 0.00068        | -60.98      | 0.0008         | -57.20      | 0.00191        |
| 5700MHz                       | Pass   | 5.455G          | 5.46G          | 1M          | 5455.875      | -49.27        | 0.01183          | -26.02         | 2.5               | -23.25         | 2.65       | 0.22         | -51.92        | 0.00642          | -57.54      | 0.00176        | -56.08      | 0.00247        | -56.59      | 0.00219        |
| 5700MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5469.19       | -49.19        | 0.01205          | -19.03         | 12.5              | -30.16         | 2.65       | 0.22         | -51.84        | 0.00654          | -57.41      | 0.00182        | -56.12      | 0.00244        | -56.42      | 0.00228        |
| 5700MHz                       | Pass   | 5.725G          | 5.74G          | 1M          | 5725.06       | -48.65        | 0.01365          | -19.03         | 12.5              | -29.62         | 2.65       | 0.22         | -51.30        | 0.00741          | -56.38      | 0.0023         | -56.52      | 0.00223        | -55.41      | 0.00288        |
| 5700MHz                       | Pass   | 5.74G           | 5.745G         | 1M          | 5740.325      | -50.50        | 0.00891          | -26.02         | 2.5               | -24.48         | 2.65       | 0.22         | -53.15        | 0.00484          | -58.89      | 0.00129        | -58.53      | 0.0014         | -56.68      | 0.00215        |
| 802.11ac_VHT20_Nss1(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -          | -            | -             | -                | -           | -              | -           | -              | -           | -              |
| 5180MHz                       | Pass   | 5.14G           | 5.142G         | 1M          | 5141.476      | -52.56        | 0.00555          | -26.02         | 2.5               | -26.54         | 2.81       | 0.16         | -55.37        | 0.0029           | -59.50      | 0.00112        | -59.56      | 0.00111        | -61.70      | 0.00068        |
| 5180MHz                       | Pass   | 5.142G          | 5.15G          | 1M          | 5149.8        | -52.09        | 0.00618          | -18.24         | 15                | -33.85         | 2.81       | 0.16         | -54.90        | 0.00324          | -59.11      | 0.00123        | -59.08      | 0.00124        | -61.11      | 0.00077        |
| 5180MHz                       | Pass   | 5.25G           | 5.251G         | 1M          | 5250.997      | -52.55        | 0.00556          | -9.97          | 100.69            | -42.58         | 2.81       | 0.16         | -55.36        | 0.00291          | -60.52      | 0.00089        | -59.63      | 0.00109        | -60.29      | 0.00094        |
| 5180MHz                       | Pass   | 5.251G          | 5.26G          | 1M          | 5259.91       | -52.44        | 0.0057           | -17.93         | 16.11             | -34.51         | 2.81       | 0.16         | -55.25        | 0.00299          | -60.64      | 0.00086        | -59.39      | 0.00115        | -60.12      | 0.00097        |
| 5180MHz                       | Pass   | 5.26G           | 5.2667G        | 1M          | 5266.64       | -52.35        | 0.00582          | -25.95         | 2.54              | -26.40         | 2.81       | 0.16         | -55.16        | 0.00305          | -60.47      | 0.0009         | -59.36      | 0.00116        | -60.03      | 0.00099        |
| 5180MHz                       | Pass   | 5.2667G         | 5.36G          | 1M          | 5345.818      | -51.12        | 0.00773          | -26.02         | 2.5               | -25.10         | 2.81       | 0.16         | -53.93        | 0.00404          | -59.97      | 0.00101        | -58.28      | 0.00149        | -58.10      | 0.00155        |
| 5240MHz                       | Pass   | 5.14G           | 5.142G         | 1M          | 5140          | -53.35        | 0.00462          | -26.02         | 2.5               | -27.33         | 2.81       | 0.16         | -56.16        | 0.00242          | -60.35      | 0.00092        | -60.31      | 0.00093        | -62.46      | 0.00057        |
| 5240MHz                       | Pass   | 5.142G          | 5.15G          | 1M          | 5148.84       | -53.17        | 0.00482          | -18.24         | 15                | -34.93         | 2.81       | 0.16         | -55.98        | 0.00252          | -60.07      | 0.00098        | -60.42      | 0.00091        | -62.00      | 0.00063        |
| 5240MHz                       | Pass   | 5.25G           | 5.251G         | 1M          | 5250.996      | -21.11        | 7.74462          | -9.96          | 100.93            | -11.15         | 2.81       | 0.16         | -23.92        | 4.05211          | -28.92      | 1.28233        | -28.40      | 1.44544        | -28.78      | 1.32434        |
| 5240MHz                       | Pass   | 5.251G          | 5.26G          | 1M          | 5251.009      | -21.22        | 7.55092          | -10.01         | 99.77             | -11.21         | 2.81       | 0.16         | -24.03        | 3.95789          | -29.20      | 1.20226        | -28.37      | 1.46546        | -28.86      | 1.30017        |
| 5240MHz                       | Pass   | 5.26G           | 5.2667G        | 1M          | 5266.693      | -50.85        | 0.00822          | -26.01         | 2.51              | -24.84         | 2.81       | 0.16         | -53.66        | 0.00431          | -58.93      | 0.00128        | -57.67      | 0.00171        | -58.80      | 0.00132        |
| 5240MHz                       | Pass   | 5.2667G         | 5.36G          | 1M          | 5359.813      | -50.90        | 0.00813          | -26.02         | 2.5               | -24.88         | 2.81       | 0.16         | -53.71        | 0.00425          | -59.59      | 0.0011         | -57.60      | 0.00174        | -58.49      | 0.00142        |
| 5260MHz                       | Pass   | 5.14G           | 5.2333G        | 1M          | 5233.207      | -51.37        | 0.00729          | -26.02         | 2.5               | -25.35         | 2.70       | 0.16         | -54.07        | 0.00392          | -58.93      | 0.00128        | -58.19      | 0.00152        | -59.49      | 0.00112        |
| 5260MHz                       | Pass   | 5.2333G         | 5.24G          | 1M          | 5233.307      | -51.32        | 0.00738          | -26.01         | 2.51              | -25.31         | 2.70       | 0.16         | -54.02        | 0.00396          | -58.84      | 0.00131        | -58.12      | 0.00154        | -59.54      | 0.00111        |
| 5260MHz                       | Pass   | 5.24G           | 5.249G         | 1M          | 5248.991      | -20.74        | 8.43335          | -10.01         | 99.77             | -10.73         | 2.70       | 0.16         | -23.44        | 4.52465          | -28.40      | 1.44544        | -27.79      | 1.66341        | -28.49      | 1.41579        |
| 5260MHz                       | Pass   | 5.249G          | 5.25G          | 1M          | 5249.002      | -20.70        | 8.51138          | -9.98          | 100.46            | -10.72         | 2.70       | 0.16         | -23.40        | 4.57211          | -28.36      | 1.45881        | -27.84      | 1.64437        | -28.33      | 1.46893        |
| 5260MHz                       | Pass   | 5.35G           | 5.36G          | 1M          | 5359.81       | -51.24        | 0.00752          | -26.02         | 2.5               | -25.22         | 2.70       | 0.16         | -53.94        | 0.00404          | -59.64      | 0.00109        | -57.87      | 0.00163        | -58.80      | 0.00132        |
| 5320MHz                       | Pass   | 5.14G           | 5.2333G        | 1M          | 5224.903      | -53.28        | 0.0047           | -26.02         | 2.5               | -27.26         | 2.70       | 0.16         | -55.98        | 0.00253          | -60.08      | 0.00098        | -59.87      | 0.00103        | -62.89      | 0.00051        |
| 5320MHz                       | Pass   | 5.2333G         | 5.24G          | 1M          | 5233.327      | -53.43        | 0.00454          | -25.99         | 2.52              | -27.44         | 2.70       | 0.16         | -56.13        | 0.00244          | -60.46      | 0.0009         | -59.73      | 0.00106        | -63.24      | 0.00047        |
| 5320MHz                       | Pass   | 5.24G           | 5.249G         | 1M          | 5240.027      | -53.20        | 0.00479          | -17.99         | 15.89             | -35.21         | 2.70       | 0.16         | -55.90        | 0.00257          | -60.34      | 0.00092        | -59.48      | 0.00113        | -62.84      | 0.00052        |
| 5320MHz                       | Pass   |                 |                |             |               |               |                  |                |                   |                |            |              |               |                  |             |                |             |                |             |                |



# CSE-TX-EIRP Out-Band Leakage PowerResult

Appendix F

| Mode                          | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | EIRP<br>(dBm) | EIRP<br>(uW/MHz) | Limit<br>(dBm) | Limit<br>(uW/MHz) | Margin<br>(dB) | DG<br>(dB) | Loss<br>(dB) | Psum<br>(dBm) | Psum<br>(uW/MHz) | P1<br>(dBm) | P1<br>(uW/MHz) | P2<br>(dBm) | P2<br>(uW/MHz) | P3<br>(dBm) | P3<br>(uW/MHz) |
|-------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|------------|--------------|---------------|------------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 5500MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5469.96       | -48.46        | 0.01426          | -19.03         | 12.5              | -29.43         | 2.65       | 0.16         | -51.11        | 0.00774          | -56.98      | 0.002          | -55.51      | 0.00281        | -55.34      | 0.00292        |
| 5500MHz                       | Pass   | 5.725G          | 5.74G          | 1M          | 5732.92       | -52.42        | 0.00573          | -19.03         | 12.5              | -33.39         | 2.65       | 0.16         | -55.07        | 0.00311          | -61.99      | 0.00063        | -60.41      | 0.00091        | -58.04      | 0.00157        |
| 5500MHz                       | Pass   | 5.74G           | 5.745G         | 1M          | 5740.52       | -52.50        | 0.00562          | -26.02         | 2.5               | -26.48         | 2.65       | 0.16         | -55.15        | 0.00305          | -62.14      | 0.00061        | -60.78      | 0.00084        | -57.94      | 0.00161        |
| 5600MHz                       | Pass   | 5.455G          | 5.46G          | 1M          | 5459.505      | -50.39        | 0.00914          | -26.02         | 2.5               | -24.37         | 2.65       | 0.16         | -53.04        | 0.00487          | -59.40      | 0.00115        | -58.08      | 0.00156        | -56.47      | 0.00225        |
| 5600MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5468.99       | -50.30        | 0.00933          | -19.03         | 12.5              | -31.27         | 2.65       | 0.16         | -52.95        | 0.00507          | -59.31      | 0.00117        | -58.14      | 0.00153        | -56.27      | 0.00236        |
| 5600MHz                       | Pass   | 5.725G          | 5.74G          | 1M          | 5730.115      | -52.27        | 0.00593          | -19.03         | 12.5              | -33.24         | 2.65       | 0.16         | -54.92        | 0.00322          | -61.91      | 0.00064        | -61.35      | 0.00073        | -57.34      | 0.00185        |
| 5600MHz                       | Pass   | 5.74G           | 5.745G         | 1M          | 5740.6        | -52.49        | 0.00564          | -26.02         | 2.5               | -26.47         | 2.65       | 0.16         | -55.14        | 0.00306          | -61.56      | 0.0007         | -61.44      | 0.00072        | -57.84      | 0.00164        |
| 5700MHz                       | Pass   | 5.455G          | 5.46G          | 1M          | 5455.86       | -50.05        | 0.00989          | -26.02         | 2.5               | -24.03         | 2.65       | 0.16         | -52.70        | 0.00537          | -57.89      | 0.00163        | -56.63      | 0.00217        | -58.03      | 0.00157        |
| 5700MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5465.81       | -50.00        | 0.01             | -19.03         | 12.5              | -30.97         | 2.65       | 0.16         | -52.65        | 0.00544          | -57.71      | 0.00169        | -56.59      | 0.00219        | -58.10      | 0.00155        |
| 5700MHz                       | Pass   | 5.725G          | 5.74G          | 1M          | 5725.09       | -48.35        | 0.01462          | -19.03         | 12.5              | -29.32         | 2.65       | 0.16         | -51.00        | 0.00794          | -55.90      | 0.00257        | -56.31      | 0.00234        | -55.19      | 0.00303        |
| 5700MHz                       | Pass   | 5.74G           | 5.745G         | 1M          | 5740.15       | -51.10        | 0.00776          | -26.02         | 2.5               | -25.08         | 2.65       | 0.16         | -53.75        | 0.00421          | -59.39      | 0.00115        | -58.95      | 0.00127        | -57.47      | 0.00179        |
| 802.11ac VHT40_Nss1(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -          | -            | -             | -                | -           | -              | -           | -              | -           | -              |
| 5190MHz                       | Pass   | 5.1G            | 5.1416G        | 1M          | 5141.558      | -51.22        | 0.00755          | -26.02         | 2.5               | -25.20         | 2.81       | 0.40         | -54.03        | 0.00395          | -57.98      | 0.00159        | -58.40      | 0.00145        | -60.39      | 0.00091        |
| 5190MHz                       | Pass   | 5.1416G         | 5.15G          | 1M          | 5149.933      | -48.49        | 0.01416          | -18.24         | 15                | -30.25         | 2.81       | 0.40         | -51.30        | 0.00741          | -55.22      | 0.00301        | -55.78      | 0.00264        | -57.53      | 0.00177        |
| 5190MHz                       | Pass   | 5.25G           | 5.251G         | 1M          | 5250.994      | -51.78        | 0.00664          | -12.95         | 50.7              | -38.83         | 2.81       | 0.40         | -54.59        | 0.00348          | -59.81      | 0.00104        | -58.71      | 0.00135        | -59.64      | 0.00109        |
| 5190MHz                       | Pass   | 5.251G          | 5.27G          | 1M          | 5270          | -52.05        | 0.00624          | -21.02         | 7.91              | -31.03         | 2.81       | 0.40         | -54.86        | 0.00327          | -59.99      | 0.001          | -58.92      | 0.00128        | -60.08      | 0.00098        |
| 5190MHz                       | Pass   | 5.27G           | 5.2784G        | 1M          | 5278.257      | -52.04        | 0.00625          | -25.94         | 2.55              | -26.10         | 2.81       | 0.40         | -54.85        | 0.00328          | -60.11      | 0.00097        | -59.00      | 0.00126        | -59.82      | 0.00104        |
| 5190MHz                       | Pass   | 5.2784G         | 5.4G           | 1M          | 5399.757      | -50.75        | 0.00841          | -26.02         | 2.5               | -24.73         | 2.81       | 0.40         | -53.56        | 0.00441          | -58.87      | 0.0013         | -57.23      | 0.00189        | -59.15      | 0.00122        |
| 5230MHz                       | Pass   | 5.1G            | 5.1416G        | 1M          | 5140.061      | -53.14        | 0.00485          | -26.02         | 2.5               | -27.12         | 2.81       | 0.40         | -55.95        | 0.00254          | -60.21      | 0.00095        | -60.01      | 0.001          | -62.28      | 0.00059        |
| 5230MHz                       | Pass   | 5.1416G         | 5.15G          | 1M          | 5149.891      | -52.90        | 0.00513          | -18.24         | 15                | -34.66         | 2.81       | 0.40         | -55.71        | 0.00268          | -59.82      | 0.00104        | -60.17      | 0.00096        | -61.68      | 0.00068        |
| 5230MHz                       | Pass   | 5.25G           | 5.251G         | 1M          | 5250.993      | -25.22        | 3.00608          | -12.94         | 50.82             | -12.28         | 2.81       | 0.40         | -28.03        | 1.57561          | -33.03      | 0.49774        | -32.24      | 0.59704        | -33.18      | 0.48084        |
| 5230MHz                       | Pass   | 5.251G          | 5.27G          | 1M          | 5251          | -25.34        | 2.92415          | -13.01         | 50                | -12.33         | 2.81       | 0.40         | -28.15        | 1.53082          | -33.24      | 0.47424        | -32.30      | 0.58884        | -33.30      | 0.46774        |
| 5230MHz                       | Pass   | 5.27G           | 5.2784G        | 1M          | 5278.383      | -50.92        | 0.00809          | -26.01         | 2.51              | -24.91         | 2.81       | 0.40         | -53.73        | 0.00424          | -59.11      | 0.00123        | -57.86      | 0.00164        | -58.63      | 0.00137        |
| 5230MHz                       | Pass   | 5.2784G         | 5.4G           | 1M          | 5279.859      | -50.24        | 0.00946          | -26.02         | 2.5               | -24.22         | 2.81       | 0.40         | -53.05        | 0.00496          | -58.67      | 0.00136        | -57.75      | 0.00168        | -57.16      | 0.00192        |
| 5270MHz                       | Pass   | 5.1G            | 5.21G          | 1M          | 5209.78       | -52.70        | 0.00537          | -26.02         | 2.5               | -26.68         | 2.70       | 0.40         | -55.40        | 0.00289          | -59.12      | 0.00122        | -61.40      | 0.00072        | -60.28      | 0.00094        |
| 5270MHz                       | Pass   | 5.21G           | 5.2216G        | 1M          | 5221.322      | -51.38        | 0.00728          | -26.02         | 2.5               | -25.36         | 2.70       | 0.40         | -54.08        | 0.0039           | -58.09      | 0.00155        | -59.58      | 0.0011         | -59.03      | 0.00125        |
| 5270MHz                       | Pass   | 5.2216G         | 5.23G          | 1M          | 5221.642      | -51.21        | 0.00757          | -26.00         | 2.51              | -25.21         | 2.70       | 0.40         | -53.91        | 0.00406          | -57.63      | 0.00173        | -59.45      | 0.00114        | -59.20      | 0.0012         |
| 5270MHz                       | Pass   | 5.23G           | 5.249G         | 1M          | 5248.981      | -25.69        | 2.69774          | -13.02         | 49.89             | -12.67         | 2.70       | 0.40         | -28.39        | 1.44899          | -33.05      | 0.49545        | -32.96      | 0.50582        | -33.49      | 0.44771        |
| 5270MHz                       | Pass   | 5.249G          | 5.25G          | 1M          | 5249.003      | -25.45        | 2.85102          | -12.98         | 50.35             | -12.47         | 2.70       | 0.40         | -28.15        | 1.53265          | -32.64      | 0.5445         | -32.74      | 0.53211        | -33.41      | 0.45604        |
| 5270MHz                       | Pass   | 5.35G           | 5.3584G        | 1M          | 5356.712      | -51.66        | 0.00682          | -18.24         | 15                | -33.42         | 2.70       | 0.40         | -54.36        | 0.00367          | -59.18      | 0.00121        | -59.87      | 0.00103        | -58.45      | 0.00143        |
| 5270MHz                       | Pass   | 5.3584G         | 5.4G           | 1M          | 5399.875      | -51.45        | 0.00716          | -26.02         | 2.5               | -25.43         | 2.70       | 0.40         | -54.15        | 0.00385          | -58.72      | 0.00134        | -59.45      | 0.00114        | -58.63      | 0.00137        |
| 5310MHz                       | Pass   | 5.1G            | 5.21G          | 1M          | 5208.9        | -54.01        | 0.00397          | -26.02         | 2.5               | -27.99         | 2.70       | 0.40         | -56.71        | 0.00213          | -59.96      | 0.00101        | -61.96      | 0.00064        | -63.11      | 0.00049        |
| 5310MHz                       | Pass   | 5.21G           | 5.2216G        | 1M          | 5219.582      | -53.83        | 0.00414          | -26.02         | 2.5               | -27.81         | 2.70       | 0.40         | -56.53        | 0.00222          | -59.94      | 0.00101        | -61.60      | 0.00069        | -62.85      | 0.00052        |
| 5310MHz                       | Pass   | 5.2216G         | 5.23G          | 1M          | 5221.734      | -53.84        | 0.00413          | -25.94         | 2.55              | -27.90         | 2.70       | 0.40         | -56.54        | 0.00222          | -59.87      | 0.00103        | -61.58      | 0.0007         | -63.06      | 0.00049        |
| 5310MHz                       | Pass   | 5.23G           | 5.249G         | 1M          | 5230.019      | -53.77        | 0.0042           | -21.02         | 7.91              | -32.75         | 2.70       | 0.40         | -56.47        | 0.00226          | -59.79      | 0.00105        | -61.66      | 0.00068        | -62.81      | 0.00052        |
| 5310MHz                       | Pass   | 5.249G          | 5.25G          | 1M          | 5249.003      | -53.42        | 0.00455          | -12.98         | 50.35             | -40.44         | 2.70       | 0.40         | -56.12        | 0.00245          | -59.67      | 0.00108        | -61.06      | 0.00078        | -62.34      | 0.00058        |
| 5310MHz                       | Pass   | 5.35G           | 5.3584G        | 1M          | 5350.025      | -49.35        | 0.01161          | -18.24         | 15                | -31.11         | 2.70       | 0.40         | -52.05        | 0.00624          | -56.51      | 0.00223        | -56.55      | 0.00221        | -57.46      | 0.00179        |
| 5310MHz                       | Pass   | 5.3584G         | 5.4G           | 1M          | 5358.4        | -51.18        | 0.00762          | -26.02         | 2.5               | -25.16         | 2.70       | 0.40         | -53.88        | 0.00409          | -58.01      | 0.00158        | -58.41      | 0.00144        | -59.70      | 0.00107        |
| 5510MHz                       | Pass   | 5.42G           | 5.46G          | 1M          | 5459.92       | -48.65        | 0.01365          | -19.03         | 12.5              | -29.62         | 2.65       | 0.40         | -51.30        | 0.00742          | -55.21      | 0.00301        | -56.34      | 0.00232        | -56.82      | 0.00208        |
| 5510MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5469.94       | -41.14        | 0.07691          | -13.01         | 50                | -28.13         | 2.65       | 0.40         | -43.79        | 0.04175          | -47.21      | 0.01901        | -48.82      | 0.01312        | -50.17      | 0.00962        |
| 5510MHz                       | Pass   | 5.725G          | 5.76G          | 1M          | 5725.105      | -55.97        | 0.00253          | -19.03         | 12.5              | -36.94         | 2.65       | 0.40         | -58.62        | 0.00137          | -64.22      | 0.00038        | -64.15      | 0.00038        | -62.14      | 0.00061        |
| 5590MHz                       | Pass   | 5.42G           | 5.46G          | 1M          | 5440.64       | -53.52        | 0.00445          | -19.03         | 12.5              | -34.49         | 2.65       | 0.40         | -56.17        | 0.00241          | -62.25      | 0.0006         | -61.43      | 0.00072        | -59.99      | 0.0011         |
| 5590MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5464.2        | -53.97        | 0.00401          | -13.01         | 50                | -40.96         | 2.65       | 0.40         | -56.62        | 0.00218          | -62.34      | 0.00058        | -61.05      | 0.00079        | -60.92      | 0.00081        |
| 5590MHz                       | Pass   | 5.725G          | 5.76G          | 1M          | 5734.66       | -55.26        | 0.00298          | -19.03         | 12.5              | -36.23         | 2.65       | 0.40         | -57.91        | 0.00162          | -63.79      | 0.00042        | -63.77      | 0.00042        | -61.07      | 0.00078        |
| 5670MHz                       | Pass   | 5.42G           | 5.46G          | 1M          | 5456.84       | -53.01        | 0.005            | -19.03         | 12.5              | -33.98         | 2.65       | 0.40         | -55.66        | 0.00271          | -60.56      | 0.00088        | -59.38      | 0.00115        | -61.66      | 0.00068        |
| 5670MHz                       | Pass   | 5.46G           | 5.47G          | 1M          | 5466.71       | -52.81        | 0.00524          | -13.01         | 50                | -39.80         | 2.65       | 0.40         | -55.46        | 0.00284          | -60.19      | 0.00096        | -59.18      | 0.00121        | -61.68      | 0.00068        |
| 5670MHz                       | Pass   | 5.725G          | 5.76G          | 1M          | 5725.035      | -52.85        | 0.00543          | -19.03         | 12.5              | -33.62         | 2.65       | 0.40         | -55.30        | 0.00295          | -60.43      | 0.00091        | -60.58      | 0.00088        | -59.34      | 0.00116        |
| 802.11ac VHT80_Nss1(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -          | -            | -             | -                | -           | -              | -           | -              | -           | -              |
| 5210MHz                       | Pass   | 5.02G           | 5.1232G        | 1M          | 5123.2        | -53.73        | 0.00424          | -26.02         | 2.5               | -27.71         | 2.81       | 0.77         | -56.54        | 0.00222          | -60.09      | 0.00098        | -61.16      | 0.00077        | -63.25      | 0.00047        |
| 5210MHz                       | Pass   | 5.1232G         | 5.15G          | 1M          | 5149.491      | -47.20        | 0.01905          | -18.24         | 15                | -28.96         | 2.81       | 0.77         | -50.01        | 0.00997          | -54.42      | 0.00361        | -53.91      | 0.00406        | -56.39      | 0.0023         |
| 5210MHz                       | Pass   | 5.25G           | 5.251G         | 1M          | 5250.997      | -30.07        | 0.98401          | -15.99         | 25.18             | -14.08         | 2.81       | 0.77         | -32.88        | 0.51524          | -37.91      | 0.16181        | -36.96      | 0.20137        | -38.18      | 0.15205        |
| 5210MHz                       | Pass   | 5.251G          | 5.29G          | 1M          | 5251          | -29.97        | 1.00693          | -16.02         | 25                | -13.95         | 2.81       | 0.77         | -32.78        | 0.52694          | -37.44      | 0.1803         | -37.44      | 0.1803         | -37.79      | 0.16634        |
| 5210MHz                       | Pass   | 5.29G           | 5.2967G        | 1M          | 5296.68       | -52.37        | 0.00579          | -26.01         | 2.51              | -26.36         | 2.81       | 0.77         | -55.18        | 0.00304          | -60.61      | 0.00087        | -59.45      | 0.00114        | -59.86      | 0.00103        |
| 5210MHz                       | Pass   | 5.2967G         | 5.48G          | 1M          | 5297.067      | -52.60        | 0.0055           | -26.02         | 2.5               | -26.58         | 2.81       | 0.77         | -55.41        | 0.00288          | -60.80      | 0.00083        | -59.30      | 0.00117        | -60.61      | 0.00087        |
| 5290MHz                       | Pass   | 5.02G           | 5.2033G        | 1M          | 5202.567      | -53.32        | 0.00466          | -26.02         | 2.5               | -27.30         | 2.70       | 0.77         | -56.02        | 0.0025           | -60.31      | 0.00093        | -60.12      | 0.00097        | -62.24      | 0.0006         |
| 5290MHz                       | Pass   | 5.2033G         | 5.21G          | 1M          | 5203.394      | -53.18        | 0.00481          | -25.99         | 2.52              | -27.19         | 2.70       | 0.77         | -55.88        | 0.00258          | -60.16      | 0.00096        | -59.97      | 0.00101        | -62.12      | 0.00061        |
| 5290MHz                       | Pass   | 5.21G           | 5.249G         | 1M          | 5249          | -30.95        | 0.803            |                |                   |                |            |              |               |                  |             |                |             |                |             |                |



## CSE-TX-EIRP Out-Band Leakage PowerResult

Appendix F

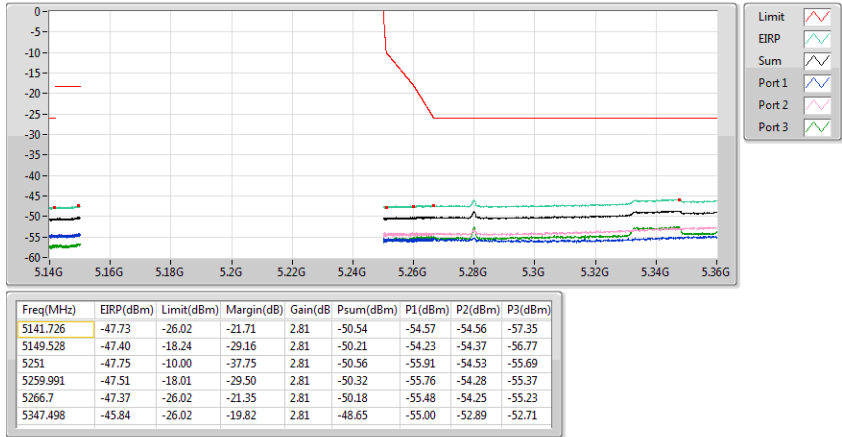
| Mode    | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | EIRP<br>(dBm) | EIRP<br>(uW/MHz) | Limit<br>(dBm) | Limit<br>(uW/MHz) | Margin<br>(dB) | DG<br>(dBi) | Loss<br>(dB) | Psum<br>(dBm) | Psum<br>(uW/MHz) | P1<br>(dBm) | P1<br>(uW/MHz) | P2<br>(dBm) | P2<br>(uW/MHz) | P3<br>(dBm) | P3<br>(uW/MHz) |
|---------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|-------------|--------------|---------------|------------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 5530MHz | Pass   | 5.34G           | 5.46G          | 1M          | 5458.44       | -40.42        | 0.09078          | -19.03         | 12.5              | -21.39         | 2.65        | 0.77         | -43.07        | 0.04935          | -46.98      | 0.02004        | -47.33      | 0.01849        | -49.66      | 0.01081        |
| 5530MHz | Pass   | 5.46G           | 5.4695G        | 1M          | 5469.044      | -39.45        | 0.1135           | -13.01         | 50                | -26.44         | 2.65        | 0.77         | -42.10        | 0.06159          | -46.18      | 0.0241         | -46.44      | 0.0227         | -48.30      | 0.01479        |
| 5530MHz | Pass   | 5.4695G         | 5.47G          | 1M          | 5469.997      | -39.02        | 0.12531          | -12.91         | 51.17             | -26.11         | 2.65        | 0.77         | -41.67        | 0.06801          | -45.89      | 0.02576        | -46.10      | 0.02455        | -47.52      | 0.0177         |
| 5530MHz | Pass   | 5.725G          | 5.8G           | 1M          | 5727.4        | -55.62        | 0.00274          | -19.03         | 12.5              | -36.59         | 2.65        | 0.77         | -58.27        | 0.00149          | -64.24      | 0.00038        | -63.97      | 0.0004         | -61.47      | 0.00071        |
| 5610MHz | Pass   | 5.34G           | 5.46G          | 1M          | 5459.64       | -52.98        | 0.00504          | -19.03         | 12.5              | -33.95         | 2.65        | 0.77         | -55.63        | 0.00273          | -61.08      | 0.00078        | -59.55      | 0.00111        | -60.74      | 0.00084        |
| 5610MHz | Pass   | 5.46G           | 5.4695G        | 1M          | 5468.892      | -51.86        | 0.00652          | -13.01         | 50                | -38.85         | 2.65        | 0.77         | -54.51        | 0.00354          | -59.99      | 0.001          | -57.84      | 0.00164        | -60.48      | 0.0009         |
| 5610MHz | Pass   | 5.4695G         | 5.47G          | 1M          | 5469.52       | -51.71        | 0.00675          | -12.91         | 51.17             | -38.80         | 2.65        | 0.77         | -54.36        | 0.00366          | -59.84      | 0.00104        | -57.61      | 0.00173        | -60.49      | 0.00089        |
| 5610MHz | Pass   | 5.725G          | 5.8G           | 1M          | 5725.975      | -51.47        | 0.00713          | -19.03         | 12.5              | -32.44         | 2.65        | 0.77         | -54.12        | 0.00387          | -59.04      | 0.00125        | -57.54      | 0.00176        | -60.65      | 0.00086        |

Psum = Antenna Power sum by P1~PN;  
EIRP = Psum+DG

## 802.11a\_Nss1\_3TX

## CSE-TX-EIRP

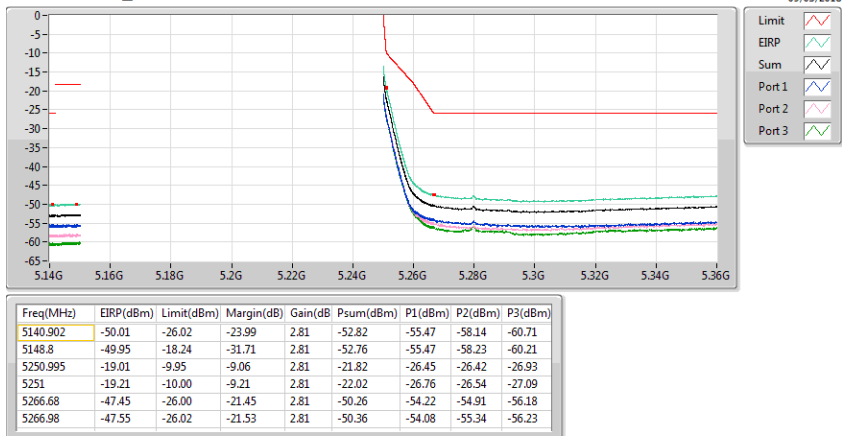
### 5180MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

## CSE-TX-EIRP

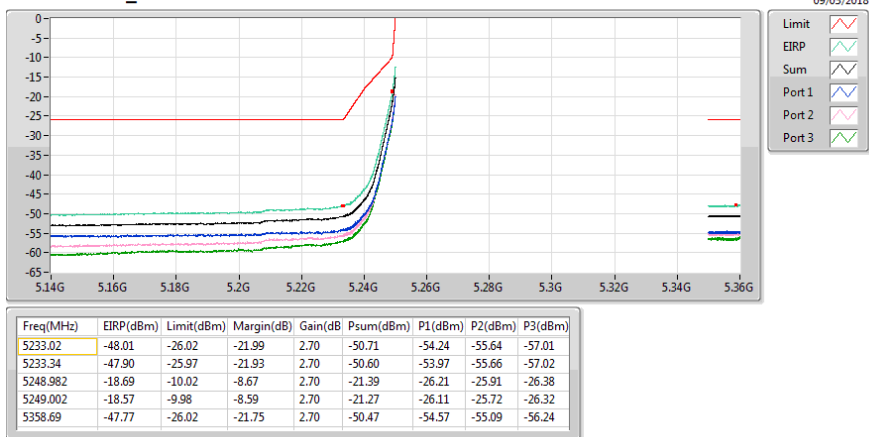
### 5240MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

## CSE-TX-EIRP

### 5260MHz\_TnomVnom

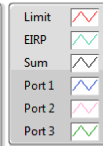
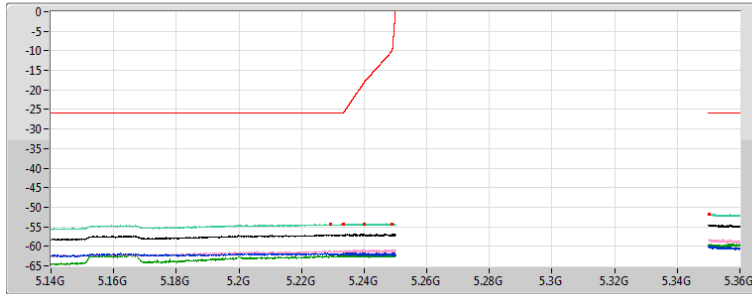


802.11a\_Nss1\_3TX

CSE-TX-EIRP

5320MHz\_TnomVnom

09/03/2018



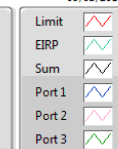
| Freq(MHz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | Gain(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) |
|-----------|-----------|------------|------------|----------|-----------|---------|---------|---------|
| 5229.195  | -54.39    | -26.02     | -28.37     | 2.70     | -57.09    | -62.14  | -61.16  | -62.38  |
| 5233.313  | -54.42    | -26.00     | -28.42     | 2.70     | -57.12    | -61.77  | -61.45  | -62.52  |
| 5240      | -54.38    | -18.01     | -36.37     | 2.70     | -57.08    | -61.93  | -61.26  | -62.43  |
| 5249.003  | -54.35    | -9.97      | -44.38     | 2.70     | -57.05    | -62.08  | -61.11  | -62.36  |
| 5350.13   | -51.81    | -26.02     | -25.79     | 2.70     | -54.51    | -60.01  | -58.28  | -59.76  |

802.11a\_Nss1\_3TX

CSE-TX-EIRP

5500MHz\_TnomVnom

09/03/2018



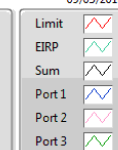
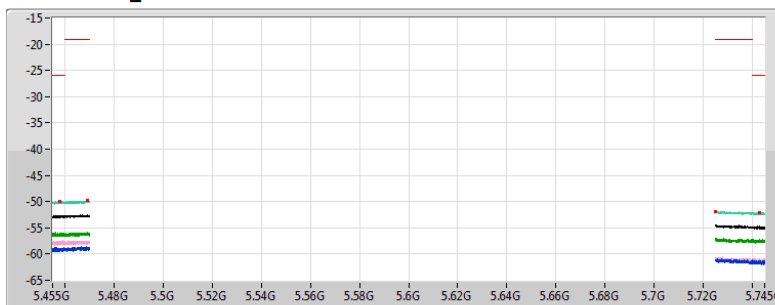
| Freq(MHz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | Gain(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) |
|-----------|-----------|------------|------------|----------|-----------|---------|---------|---------|
| 5456.645  | -49.14    | -26.02     | -23.12     | 2.65     | -51.79    | -56.66  | -55.63  | -57.63  |
| 5469.13   | -48.59    | -19.03     | -29.56     | 2.65     | -51.24    | -55.91  | -55.18  | -57.17  |
| 5725.09   | -52.69    | -19.03     | -33.66     | 2.65     | -55.34    | -60.42  | -59.98  | -59.95  |
| 5742.985  | -52.80    | -26.02     | -26.78     | 2.65     | -55.45    | -60.82  | -60.14  | -59.78  |

802.11a\_Nss1\_3TX

CSE-TX-EIRP

5600MHz\_TnomVnom

09/03/2018



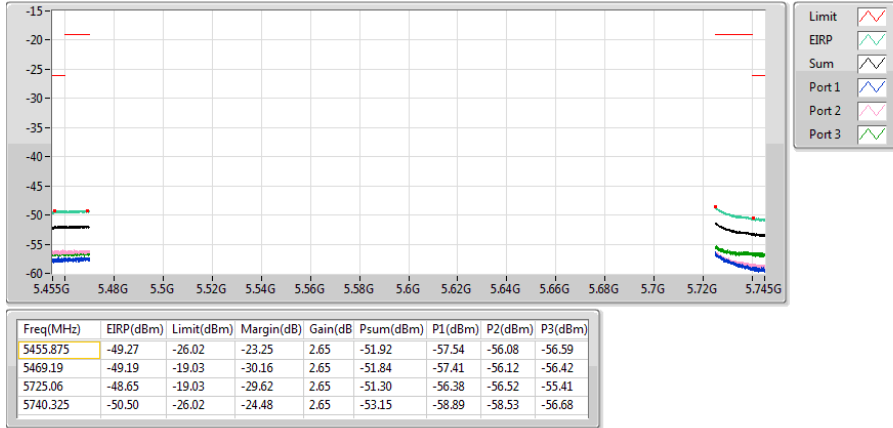
| Freq(MHz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | Gain(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) |
|-----------|-----------|------------|------------|----------|-----------|---------|---------|---------|
| 5458.105  | -49.99    | -26.02     | -23.97     | 2.65     | -52.64    | -59.23  | -57.60  | -56.00  |
| 5469.25   | -49.81    | -19.03     | -30.78     | 2.65     | -52.46    | -58.70  | -57.59  | -55.88  |
| 5725.135  | -51.82    | -19.03     | -32.79     | 2.65     | -54.47    | -61.19  | -60.86  | -57.01  |
| 5742.985  | -52.06    | -26.02     | -26.04     | 2.65     | -54.71    | -61.67  | -60.98  | -57.20  |

## 802.11a\_Nss1\_3TX

## CSE-TX-EIRP

### 5700MHz\_TnomVnom

09/03/2018

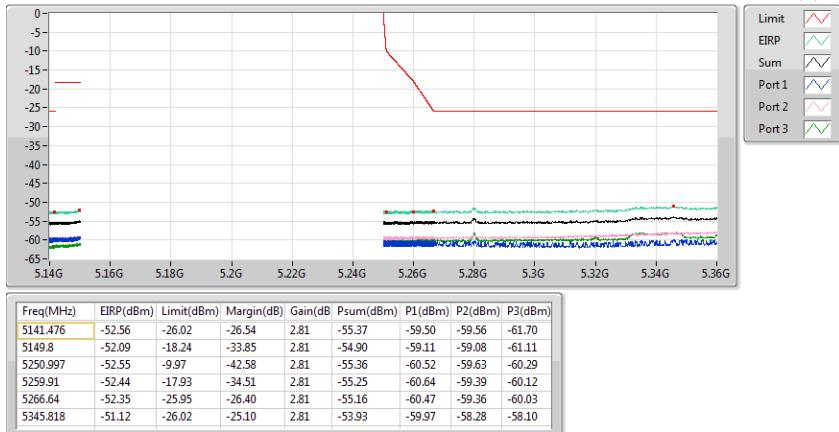


## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5180MHz\_TnomVnom

09/03/2018

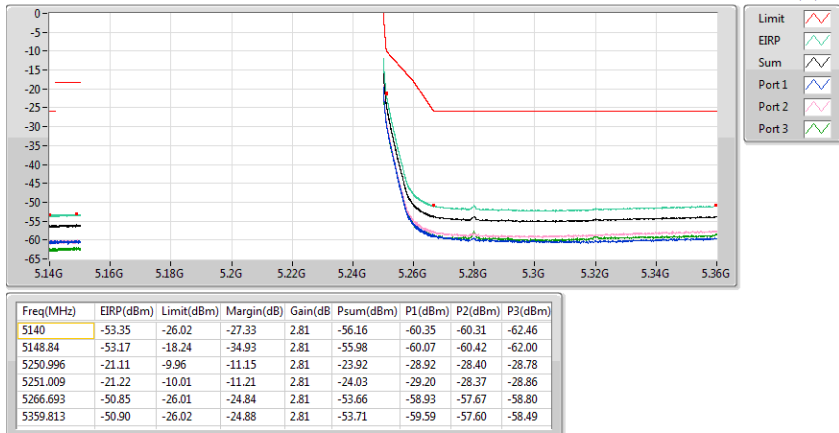


## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5240MHz\_TnomVnom

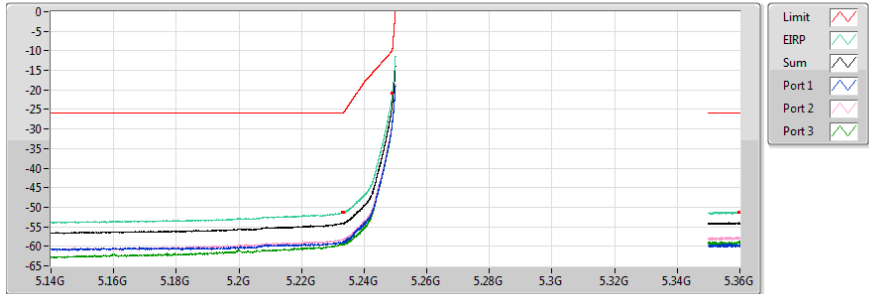
09/03/2018



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5260MHz\_TnomVnom

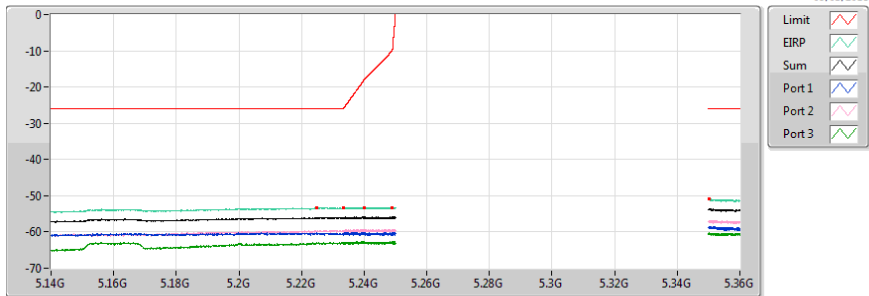


| Freq(MHz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | Gain(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) |
|-----------|-----------|------------|------------|----------|-----------|---------|---------|---------|
| 5233.207  | -51.37    | -26.02     | -25.35     | 2.70     | -54.07    | -58.93  | -58.19  | -59.49  |
| 5233.307  | -51.32    | -26.01     | -25.31     | 2.70     | -54.02    | -58.84  | -58.12  | -59.54  |
| 5248.991  | -20.74    | -10.01     | -10.73     | 2.70     | -23.44    | -28.40  | -27.79  | -28.49  |
| 5249.002  | -20.70    | -9.98      | -10.72     | 2.70     | -23.40    | -28.36  | -27.84  | -28.33  |
| 5359.81   | -51.24    | -26.02     | -25.22     | 2.70     | -53.94    | -59.64  | -57.87  | -58.80  |

## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5320MHz\_TnomVnom

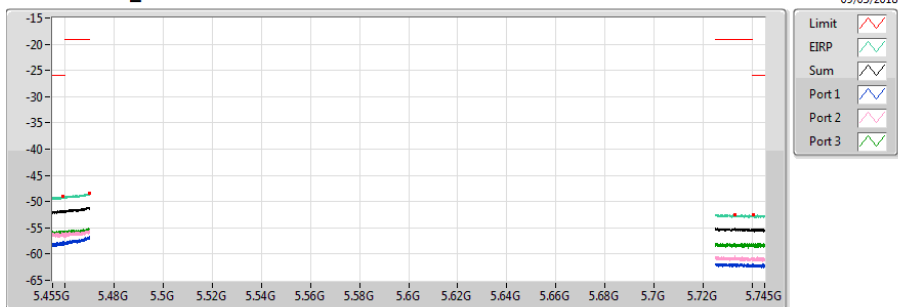


| Freq(MHz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | Gain(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) |
|-----------|-----------|------------|------------|----------|-----------|---------|---------|---------|
| 5224.903  | -53.28    | -26.02     | -27.26     | 2.70     | -55.98    | -60.08  | -59.87  | -62.89  |
| 5233.327  | -53.43    | -25.99     | -27.44     | 2.70     | -56.13    | -60.46  | -59.73  | -63.24  |
| 5240.027  | -53.20    | -17.99     | -35.21     | 2.70     | -55.90    | -60.34  | -59.48  | -62.84  |
| 5249      | -53.32    | -10.00     | -43.32     | 2.70     | -56.02    | -60.39  | -59.60  | -63.09  |
| 5350.25   | -50.94    | -26.02     | -24.92     | 2.70     | -53.64    | -58.73  | -56.93  | -60.19  |

## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5500MHz\_TnomVnom



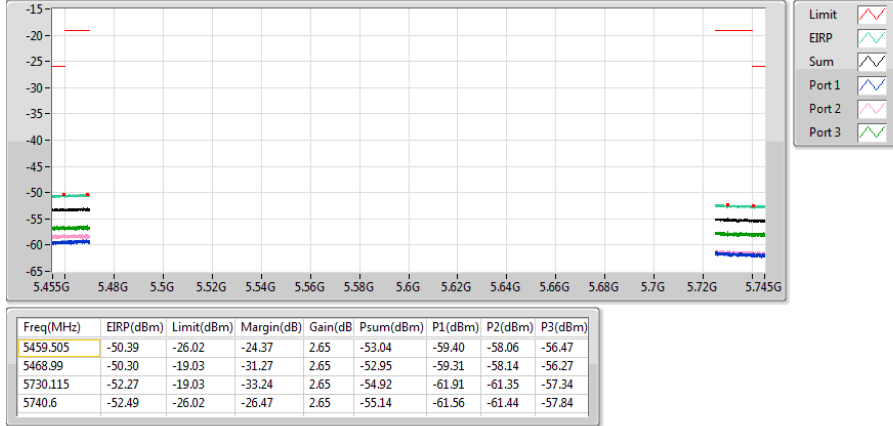
| Freq(MHz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | Gain(dB) | Psum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) |
|-----------|-----------|------------|------------|----------|-----------|---------|---------|---------|
| 5459.02   | -49.04    | -26.02     | -23.02     | 2.65     | -51.69    | -57.77  | -56.14  | -55.72  |
| 5469.96   | -48.46    | -19.03     | -29.43     | 2.65     | -51.11    | -56.98  | -55.51  | -55.34  |
| 5732.92   | -52.42    | -19.03     | -33.39     | 2.65     | -55.07    | -61.99  | -60.41  | -58.04  |
| 5740.52   | -52.50    | -26.02     | -26.48     | 2.65     | -55.15    | -62.14  | -60.78  | -57.94  |

## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5600MHz\_TnomVnom

09/03/2018

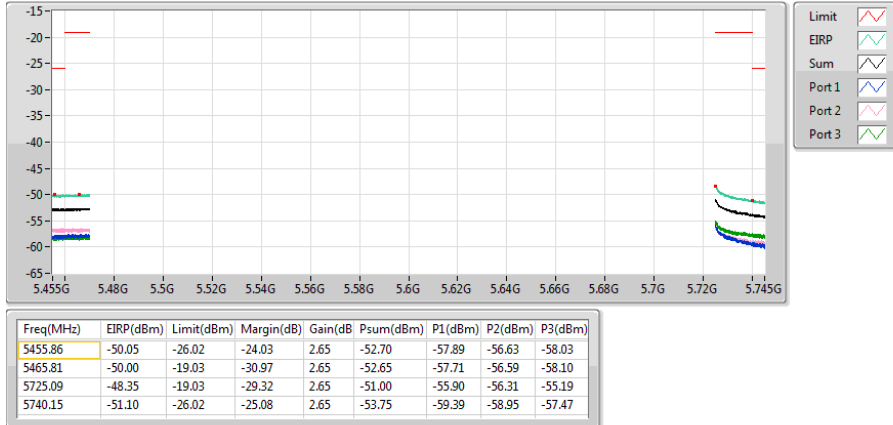


## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5700MHz\_TnomVnom

09/03/2018

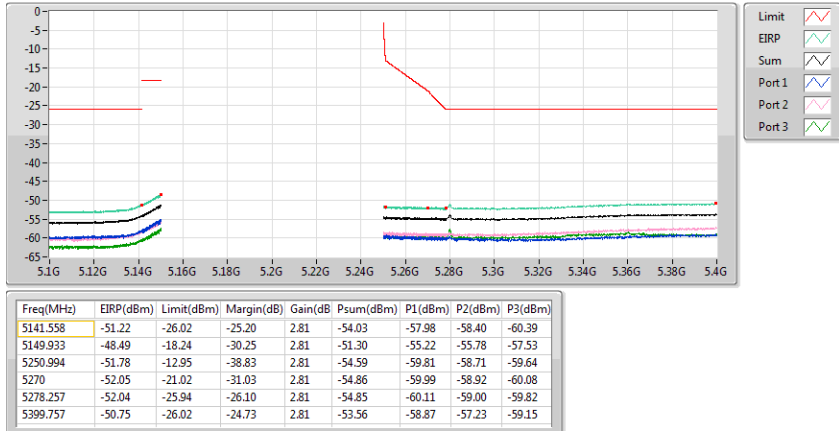


## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5190MHz\_TnomVnom

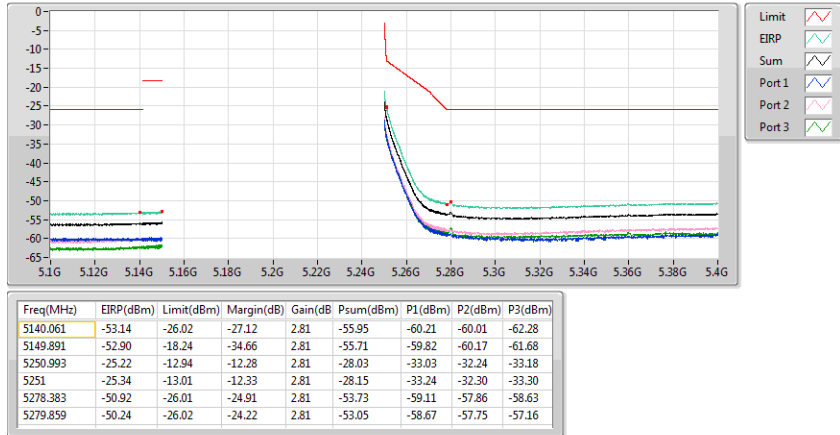
09/03/2018



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX

### CSE-TX-EIRP

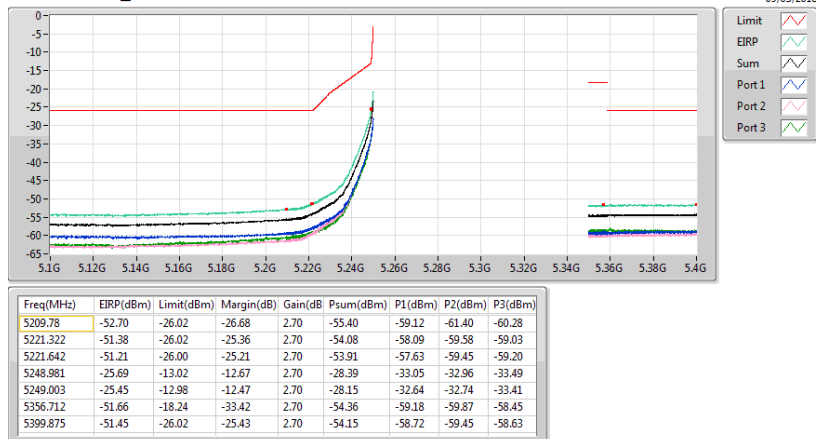
#### 5230MHz\_TnomVnom



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX

### CSE-TX-EIRP

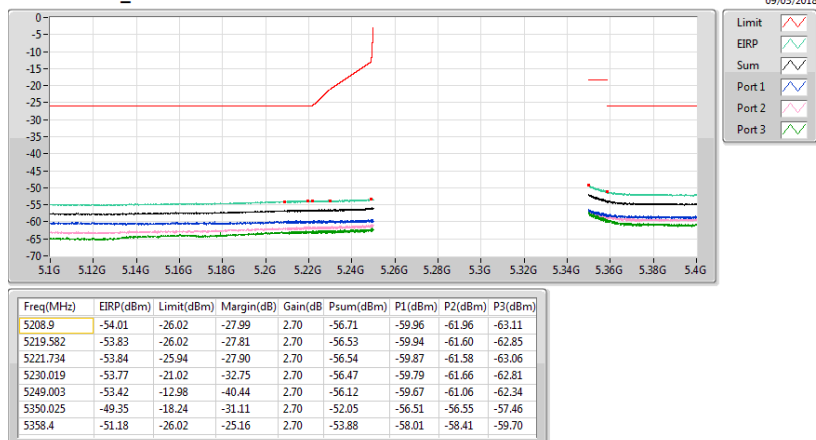
#### 5270MHz\_TnomVnom



### 802.11ac VHT40\_Nss1,(MCS0)\_3TX

### CSE-TX-EIRP

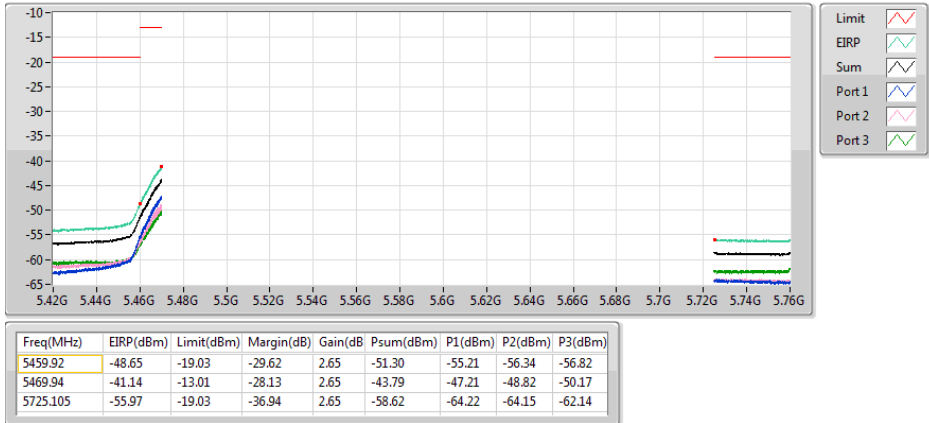
#### 5310MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

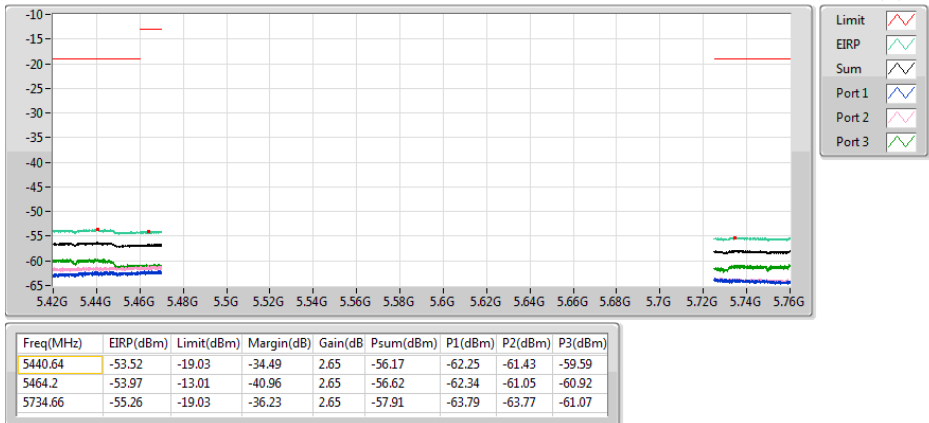
### 5510MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

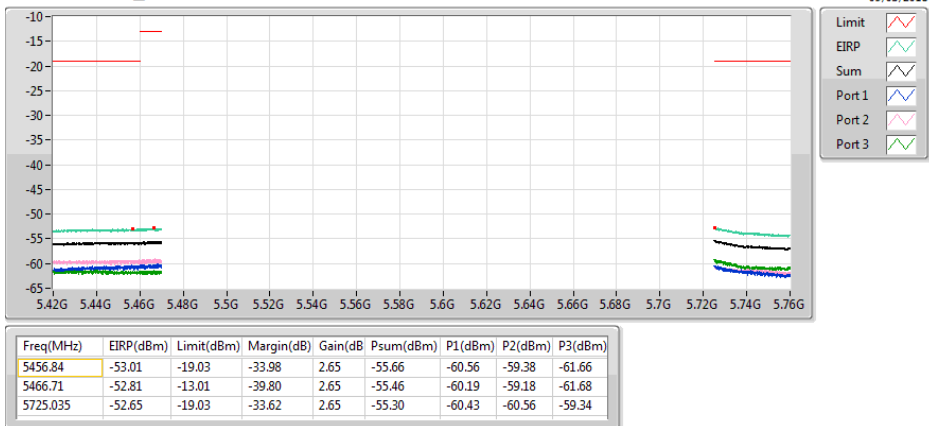
### 5590MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

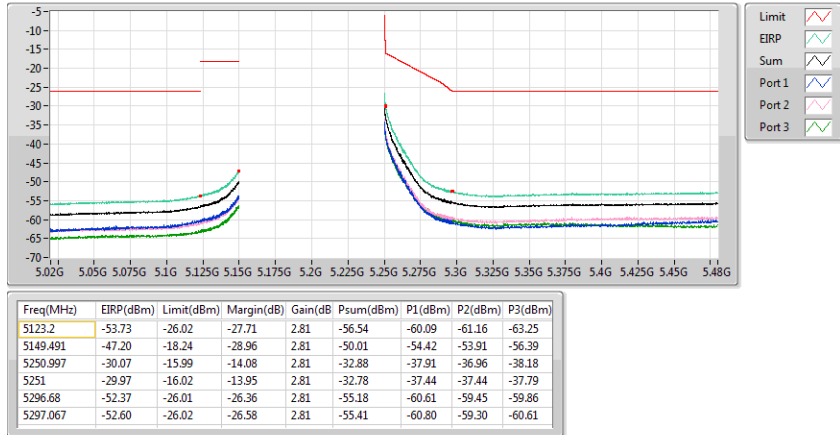
### 5670MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

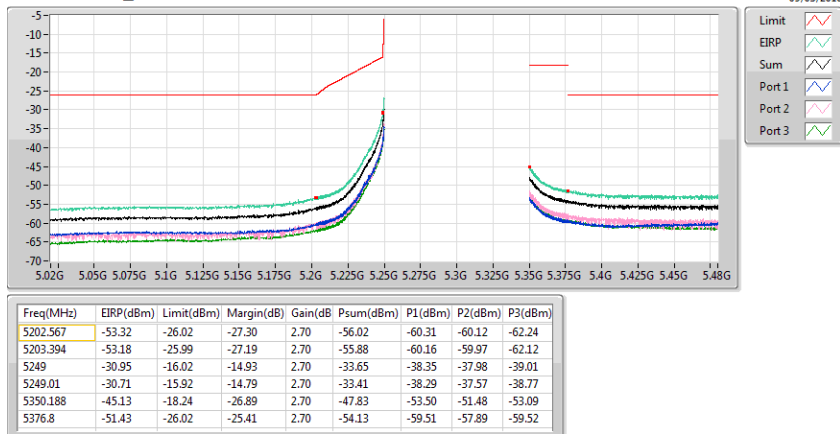
### 5210MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

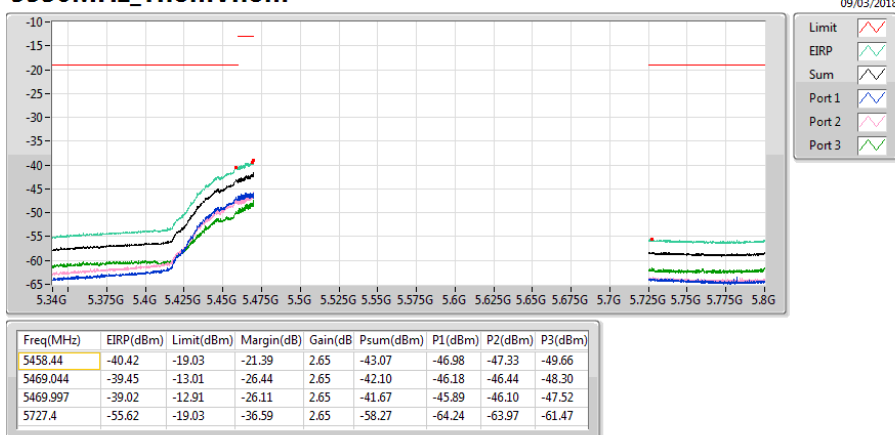
### 5290MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

## CSE-TX-EIRP

### 5530MHz\_TnomVnom

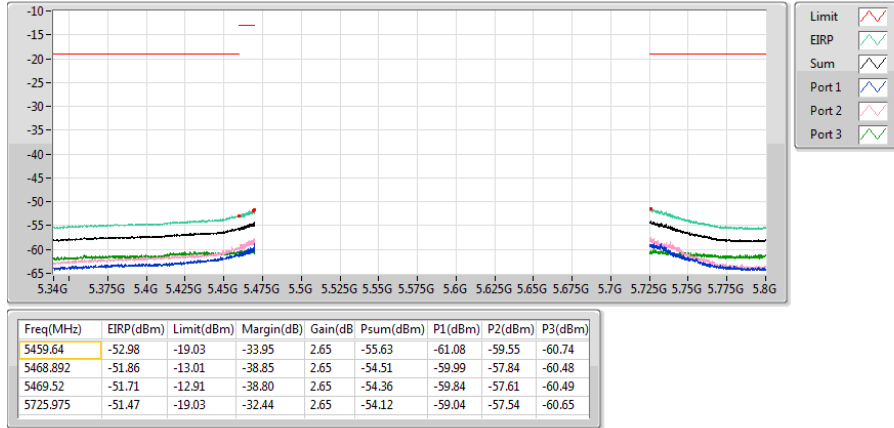


802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-TX-EIRP

5610MHz\_TnomVnom

09/03/2018





## CSE-TX Unwanted Emission Strength Result

Appendix G

### Summary

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | Psum<br>(dBm) | Psum<br>(uW/MHz) | Limit<br>(dBm) | Limit<br>(uW/MHz) | Margin<br>(dB) | Loss<br>(dB) | P1<br>(dBm) | P1<br>(uW/MHz) | P2<br>(dBm) | P2<br>(uW/MHz) | P3<br>(dBm) | P3<br>(uW/MHz) |
|--------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|--------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 5.15-5.25GHz                   | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX               | Pass   | 5.365G          | 26G            | 1M          | 21748.16      | -46.33        | 0.02328          | -26.02         | 2.50035           | -20.31         | 2.72         | -50.80      | 0.00832        | -51.57      | 0.00697        | -50.97      | 0.008          |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 5.365G          | 26G            | 1M          | 21825.56      | -49.28        | 0.0118           | -26.02         | 2.50035           | -23.26         | 0.16         | -53.86      | 0.00411        | -54.23      | 0.00378        | -54.08      | 0.00391        |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 5.4G            | 26G            | 1M          | 21807.9       | -48.82        | 0.01311          | -26.02         | 2.50035           | -22.80         | 0.40         | -54.26      | 0.00375        | -53.14      | 0.00485        | -53.46      | 0.00451        |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 5.48G           | 26G            | 1M          | 21790.83<br>5 | -48.83        | 0.01308          | -26.02         | 2.50035           | -22.81         | 0.77         | -53.55      | 0.00442        | -53.72      | 0.00425        | -53.55      | 0.00442        |
| 5.25-5.35GHz                   | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX               | Pass   | 5.365G          | 26G            | 1M          | 21776.54      | -46.41        | 0.02288          | -26.02         | 2.50035           | -20.39         | 2.72         | -50.95      | 0.00804        | -51.36      | 0.00731        | -51.23      | 0.00753        |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 5.365G          | 26G            | 1M          | 21755.9       | -48.81        | 0.01314          | -26.02         | 2.50035           | -22.79         | 0.16         | -54.01      | 0.00397        | -52.97      | 0.00505        | -53.85      | 0.00412        |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 5.4G            | 26G            | 1M          | 21828.5       | -48.99        | 0.01261          | -26.02         | 2.50035           | -22.97         | 0.40         | -53.59      | 0.00438        | -53.56      | 0.00441        | -54.17      | 0.00383        |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 5.48G           | 26G            | 1M          | 21757.49      | -48.77        | 0.01326          | -26.02         | 2.50035           | -22.75         | 0.77         | -53.40      | 0.00457        | -53.31      | 0.00467        | -53.95      | 0.00403        |
| 5.47-5.725GHz                  | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX               | Pass   | 5.745G          | 26G            | 1M          | 21776.83<br>3 | -49.22        | 0.01196          | -26.02         | 2.50035           | -23.20         | 0.22         | -54.26      | 0.00375        | -53.90      | 0.00407        | -53.83      | 0.00414        |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 5.745G          | 26G            | 1M          | 21835.06<br>6 | -49.23        | 0.01195          | -26.02         | 2.50035           | -23.21         | 0.16         | -54.67      | 0.00341        | -53.57      | 0.0044         | -53.83      | 0.00414        |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 5.76G           | 26G            | 1M          | 21757.19      | -49.01        | 0.01257          | -26.02         | 2.50035           | -22.99         | 0.40         | -53.86      | 0.00411        | -53.96      | 0.00402        | -53.53      | 0.00444        |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 5.8G            | 26G            | 1M          | 21752.95      | -48.59        | 0.01383          | -26.02         | 2.50035           | -22.57         | 0.77         | -53.32      | 0.00466        | -52.99      | 0.00502        | -53.82      | 0.00415        |



## CSE-TX Unwanted Emission Strength Result

Appendix G

### Result

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | Psum<br>(dBm) | Psum<br>(uW/MHz) | Limit<br>(dBm) | Limit<br>(uW/MHz) | Margin<br>(dB) | Loss<br>(dB) | P1<br>(dBm) | P1<br>(uW/MHz) | P2<br>(dBm) | P2<br>(uW/MHz) | P3<br>(dBm) | P3<br>(uW/MHz) |
|--------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|--------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 802.11a_Nss1_3TX               | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5180MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5139.361      | -50.23        | 0.00948          | -26.02         | 2.50035           | -24.21         | 2.72         | -54.11      | 0.00388        | -54.32      | 0.0037         | -57.21      | 0.0019         |
| 5180MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21748.16      | -46.33        | 0.02328          | -26.02         | 2.50035           | -20.31         | 2.72         | -50.80      | 0.00832        | -51.57      | 0.00697        | -50.97      | 0.008          |
| 5240MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5083.151      | -51.80        | 0.00661          | -26.02         | 2.50035           | -25.78         | 2.72         | -54.46      | 0.00358        | -57.94      | 0.00161        | -58.46      | 0.00143        |
| 5240MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21743         | -46.54        | 0.0222           | -26.02         | 2.50035           | -20.52         | 2.72         | -51.60      | 0.00692        | -51.12      | 0.00773        | -51.22      | 0.00755        |
| 5260MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5094.649      | -51.60        | 0.00692          | -26.02         | 2.50035           | -25.58         | 2.72         | -54.58      | 0.00348        | -56.93      | 0.00203        | -58.50      | 0.00141        |
| 5260MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21776.54      | -46.41        | 0.02288          | -26.02         | 2.50035           | -20.39         | 2.72         | -50.95      | 0.00804        | -51.36      | 0.00731        | -51.23      | 0.00753        |
| 5320MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5000.752      | -57.30        | 0.00186          | -26.02         | 2.50035           | -31.28         | 0.22         | -60.78      | 0.00084        | -61.24      | 0.00075        | -65.62      | 0.00027        |
| 5320MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21732.68      | -49.30        | 0.01174          | -26.02         | 2.50035           | -23.28         | 0.22         | -53.81      | 0.00416        | -54.24      | 0.00377        | -54.19      | 0.00381        |
| 5500MHz                        | Pass   | 30M             | 5.455G         | 1M          | 5453.644      | -52.54        | 0.00558          | -26.02         | 2.50035           | -26.52         | 0.22         | -56.74      | 0.00212        | -57.76      | 0.00167        | -57.49      | 0.00178        |
| 5500MHz                        | Pass   | 5.745G          | 26G            | 1M          | 21776.83<br>3 | -49.26        | 0.01185          | -26.02         | 2.50035           | -23.24         | 0.22         | -54.53      | 0.00352        | -53.69      | 0.00428        | -53.92      | 0.00406        |
| 5600MHz                        | Pass   | 30M             | 5.455G         | 1M          | 5438.047      | -51.63        | 0.00687          | -26.02         | 2.50035           | -25.61         | 0.22         | -58.73      | 0.00134        | -58.35      | 0.00146        | -53.91      | 0.00406        |
| 5600MHz                        | Pass   | 5.745G          | 26G            | 1M          | 21832.53<br>4 | -49.33        | 0.01167          | -26.02         | 2.50035           | -23.31         | 0.22         | -54.41      | 0.00362        | -54.27      | 0.00374        | -53.66      | 0.00431        |
| 5700MHz                        | Pass   | 30M             | 5.455G         | 1M          | 5440.759      | -51.62        | 0.00689          | -26.02         | 2.50035           | -25.60         | 0.22         | -57.91      | 0.00162        | -56.45      | 0.00226        | -55.22      | 0.00301        |
| 5700MHz                        | Pass   | 5.745G          | 26G            | 1M          | 21776.83<br>3 | -49.22        | 0.01196          | -26.02         | 2.50035           | -23.20         | 0.22         | -54.26      | 0.00375        | -53.90      | 0.00407        | -53.83      | 0.00414        |
| 802.11ac_VHT20_Nss1,(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5180MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5132.335      | -55.99        | 0.00252          | -26.02         | 2.50035           | -29.97         | 0.16         | -60.94      | 0.00081        | -59.87      | 0.00103        | -61.66      | 0.00068        |
| 5180MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21825.56      | -49.28        | 0.0118           | -26.02         | 2.50035           | -23.26         | 0.16         | -53.86      | 0.00411        | -54.23      | 0.00378        | -54.08      | 0.00391        |
| 5240MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5083.79       | -55.99        | 0.00252          | -26.02         | 2.50035           | -29.97         | 0.16         | -60.30      | 0.00093        | -60.19      | 0.00096        | -62.01      | 0.00063        |
| 5240MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21753.32      | -49.40        | 0.01149          | -26.02         | 2.50035           | -23.38         | 0.16         | -54.25      | 0.00376        | -53.88      | 0.00409        | -54.39      | 0.00364        |
| 5260MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5092.733      | -56.26        | 0.00236          | -26.02         | 2.50035           | -30.24         | 0.16         | -60.25      | 0.00094        | -60.71      | 0.00085        | -62.43      | 0.00057        |
| 5260MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21835.88      | -49.38        | 0.01154          | -26.02         | 2.50035           | -23.36         | 0.16         | -54.30      | 0.00372        | -54.53      | 0.00352        | -53.66      | 0.00431        |
| 5320MHz                        | Pass   | 30M             | 5.135G         | 1M          | 5080.596      | -56.54        | 0.00222          | -26.02         | 2.50035           | -30.52         | 0.16         | -59.95      | 0.00101        | -60.40      | 0.00091        | -65.32      | 0.00029        |
| 5320MHz                        | Pass   | 5.365G          | 26G            | 1M          | 21755.9       | -48.81        | 0.01314          | -26.02         | 2.50035           | -22.79         | 0.16         | -54.01      | 0.00397        | -52.97      | 0.00505        | -53.85      | 0.00412        |
| 5500MHz                        | Pass   | 30M             | 5.455G         | 1M          | 5447.541      | -51.72        | 0.00674          | -26.02         | 2.50035           | -25.70         | 0.16         | -57.95      | 0.0016         | -56.52      | 0.00223        | -55.37      | 0.0029         |
| 5500MHz                        | Pass   | 5.745G          | 26G            | 1M          | 21809.74<br>7 | -49.33        | 0.01168          | -26.02         | 2.50035           | -23.31         | 0.16         | -54.63      | 0.00344        | -53.75      | 0.00422        | -53.96      | 0.00402        |
| 5600MHz                        | Pass   | 30M             | 5.455G         | 1M          | 5432.622      | -52.41        | 0.00574          | -26.02         | 2.50035           | -26.39         | 0.16         | -59.09      | 0.00123        | -58.38      | 0.00145        | -55.15      | 0.00305        |
| 5600MHz                        | Pass   | 5.745G          | 26G            | 1M          | 21835.06<br>6 | -49.23        | 0.01195          | -26.02         | 2.50035           | -23.21         | 0.16         | -54.67      | 0.00341        | -53.57      | 0.0044         | -53.83      | 0.00414        |
| 5700MHz                        | Pass   | 30M             | 5.455G         | 1M          | 5427.197      | -52.64        | 0.00544          | -26.02         | 2.50035           | -26.62         | 0.16         | -58.70      | 0.00135        | -56.13      | 0.00244        | -57.81      | 0.00166        |
| 5700MHz                        | Pass   | 5.745G          | 26G            | 1M          | 21771.76<br>9 | -49.40        | 0.01147          | -26.02         | 2.50035           | -23.38         | 0.16         | -54.05      | 0.00394        | -54.23      | 0.00378        | -54.25      | 0.00376        |
| 802.11ac_VHT40_Nss1,(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5190MHz                        | Pass   | 30M             | 5.1G           | 1M          | 5080.988      | -55.71        | 0.00269          | -26.02         | 2.50035           | -29.69         | 0.40         | -59.65      | 0.00108        | -59.73      | 0.00106        | -62.69      | 0.00054        |
| 5190MHz                        | Pass   | 5.4G            | 26G            | 1M          | 21843.95      | -49.23        | 0.01194          | -26.02         | 2.50035           | -23.21         | 0.40         | -53.83      | 0.00414        | -53.92      | 0.00406        | -54.26      | 0.00375        |
| 5230MHz                        | Pass   | 30M             | 5.1G           | 1M          | 5082.255      | -56.12        | 0.00244          | -26.02         | 2.50035           | -30.10         | 0.40         | -60.55      | 0.00088        | -60.00      | 0.001          | -62.50      | 0.00056        |
| 5230MHz                        | Pass   | 5.4G            | 26G            | 1M          | 21807.9       | -48.82        | 0.01311          | -26.02         | 2.50035           | -22.80         | 0.40         | -54.26      | 0.00375        | -53.14      | 0.00485        | -53.46      | 0.00451        |
| 5270MHz                        | Pass   | 30M             | 5.1G           | 1M          | 5087.959      | -56.86        | 0.00206          | -26.02         | 2.50035           | -30.84         | 0.40         | -59.87      | 0.00103        | -62.73      | 0.00053        | -63.05      | 0.0005         |
| 5270MHz                        | Pass   | 5.4G            | 26G            | 1M          | 21753.82<br>5 | -49.14        | 0.01219          | -26.02         | 2.50035           | -23.12         | 0.40         | -53.86      | 0.00411        | -53.59      | 0.00438        | -54.31      | 0.00371        |
| 5310MHz                        | Pass   | 30M             | 5.1G           | 1M          | 5058.806      | -57.27        | 0.00187          | -26.02         | 2.50035           | -31.25         | 0.40         | -59.82      | 0.00104        | -62.91      | 0.00051        | -64.95      | 0.00032        |
| 5310MHz                        | Pass   | 5.4G            | 26G            | 1M          | 21828.5       | -48.99        | 0.01261          | -26.02         | 2.50035           | -22.97         | 0.40         | -53.59      | 0.00438        | -53.56      | 0.00441        | -54.17      | 0.00383        |
| 5510MHz                        | Pass   | 30M             | 5.42G          | 1M          | 5409.22       | -56.43        | 0.00228          | -26.02         | 2.50035           | -30.41         | 0.40         | -62.61      | 0.00055        | -60.87      | 0.00082        | -60.41      | 0.00091        |
| 5510MHz                        | Pass   | 5.76G           | 26G            | 1M          | 21757.19      | -49.01        | 0.01257          | -26.02         | 2.50035           | -22.99         | 0.40         | -53.86      | 0.00411        | -53.96      | 0.00402        | -53.53      | 0.00444        |
| 5590MHz                        | Pass   | 30M             | 5.42G          | 1M          | 5418.653      | -56.43        | 0.00227          | -26.02         | 2.50035           | -30.41         | 0.40         | -62.91      | 0.00051        | -61.66      | 0.00068        | -59.67      | 0.00108        |
| 5590MHz                        | Pass   | 5.76G           | 26G            | 1M          | 21749.6       | -49.12        | 0.01226          | -26.02         | 2.50035           | -23.10         | 0.40         | -53.35      | 0.00462        | -54.36      | 0.00366        | -54.01      | 0.00397        |
| 5670MHz                        | Pass   | 30M             | 5.42G          | 1M          | 5366.774      | -55.77        | 0.00265          | -26.02         | 2.50035           | -29.75         | 0.40         | -61.78      | 0.00066        | -59.83      | 0.00104        | -60.24      | 0.00095        |
| 5670MHz                        | Pass   | 5.76G           | 26G            | 1M          | 21812.85      | -49.03        | 0.01251          | -26.02         | 2.50035           | -23.01         | 0.40         | -53.54      | 0.00443        | -53.65      | 0.00432        | -54.24      | 0.00377        |
| 802.11ac_VHT80_Nss1,(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5210MHz                        | Pass   | 30M             | 5.02G          | 1M          | 5000.664      | -58.14        | 0.00154          | -26.02         | 2.50035           | -32.12         | 0.77         | -61.64      | 0.00069        | -63.17      | 0.00048        | -64.34      | 0.00037        |
| 5210MHz                        | Pass   | 5.48G           | 26G            | 1M          | 21790.83<br>5 | -48.83        | 0.01308          | -26.02         | 2.50035           | -22.81         | 0.77         | -53.55      | 0.00442        | -53.72      | 0.00425        | -53.55      | 0.00442        |
| 5290MHz                        | Pass   | 30M             | 5.02G          | 1M          | 5016.881      | -58.55        | 0.0014           | -26.02         | 2.50035           | -32.53         | 0.77         | -62.27      | 0.00059        | -63.02      | 0.0005         | -65.18      | 0.0003         |



## CSE-TX Unwanted Emission Strength Result

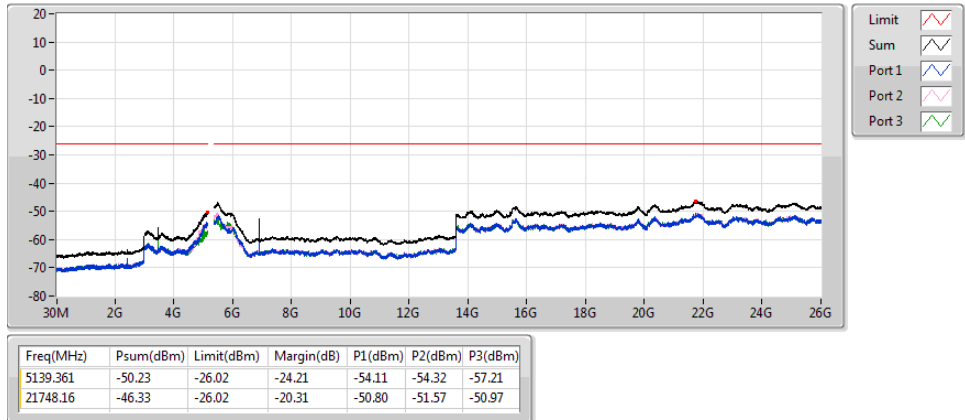
Appendix G

| Mode    | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | Psum<br>(dBm) | Psum<br>(uW/MHz) | Limit<br>(dBm) | Limit<br>(uW/MHz) | Margin<br>(dB) | Loss<br>(dB) | P1<br>(dBm) | P1<br>(uW/MHz) | P2<br>(dBm) | P2<br>(uW/MHz) | P3<br>(dBm) | P3<br>(uW/MHz) |
|---------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|--------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 5290MHz | Pass   | 5.48G           | 26G            | 1M          | 21757.49      | -48.77        | 0.01326          | -26.02         | 2.50035           | -22.75         | 0.77         | -53.40      | 0.00457        | -53.31      | 0.00467        | -53.95      | 0.00403        |
| 5530MHz | Pass   | 30M             | 5.34G          | 1M          | 5340          | -57.88        | 0.00163          | -26.02         | 2.50035           | -31.86         | 0.77         | -63.87      | 0.00041        | -62.87      | 0.00052        | -61.53      | 0.0007         |
| 5530MHz | Pass   | 5.8G            | 26G            | 1M          | 21818.6       | -48.67        | 0.01359          | -26.02         | 2.50035           | -22.65         | 0.77         | -53.41      | 0.00456        | -53.47      | 0.0045         | -53.44      | 0.00453        |
| 5610MHz | Pass   | 30M             | 5.34G          | 1M          | 5340          | -57.71        | 0.0017           | -26.02         | 2.50035           | -31.69         | 0.77         | -63.99      | 0.0004         | -62.41      | 0.00057        | -61.41      | 0.00072        |
| 5610MHz | Pass   | 5.8G            | 26G            | 1M          | 21752.95      | -48.59        | 0.01383          | -26.02         | 2.50035           | -22.57         | 0.77         | -53.32      | 0.00466        | -52.99      | 0.00502        | -53.82      | 0.00415        |

## 802.11a\_Nss1\_3TX

CSE-TX

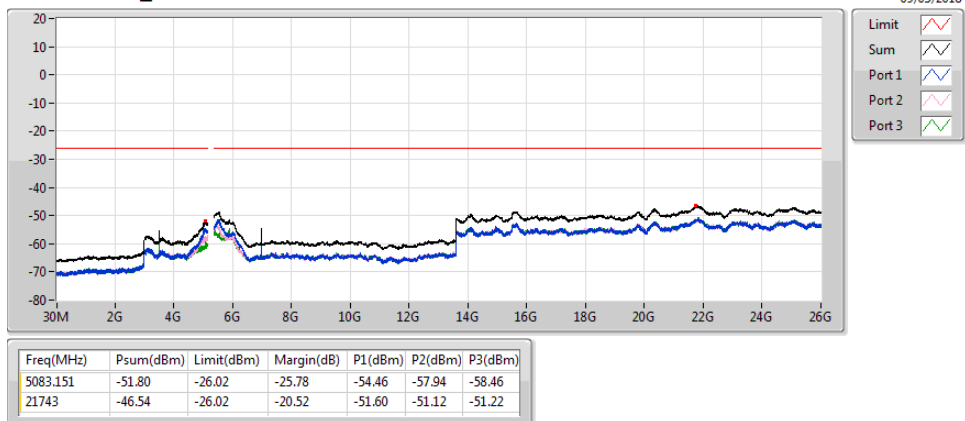
### 5180MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-TX

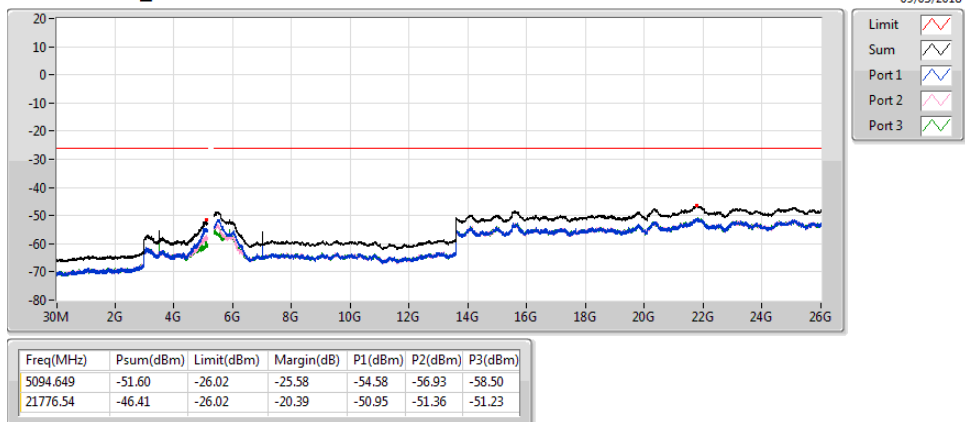
### 5240MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-TX

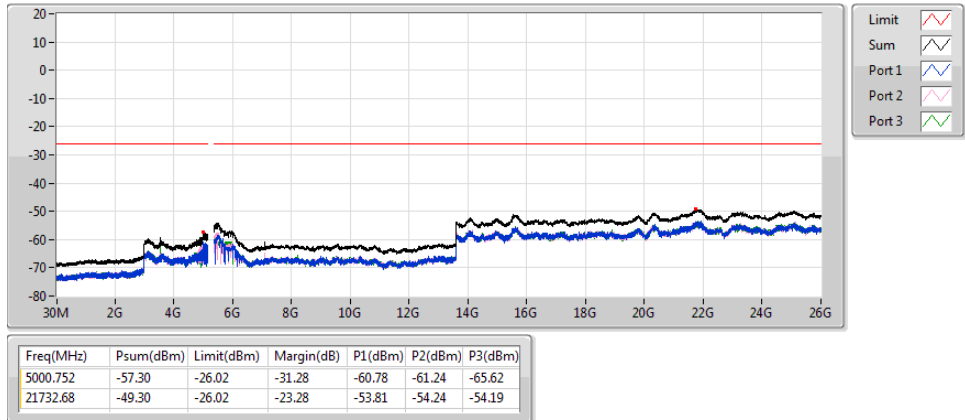
### 5260MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-TX

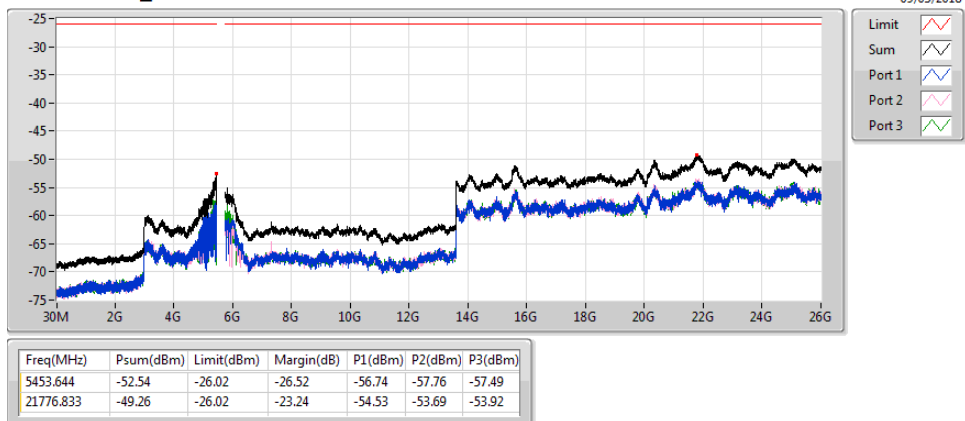
### 5320MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-TX

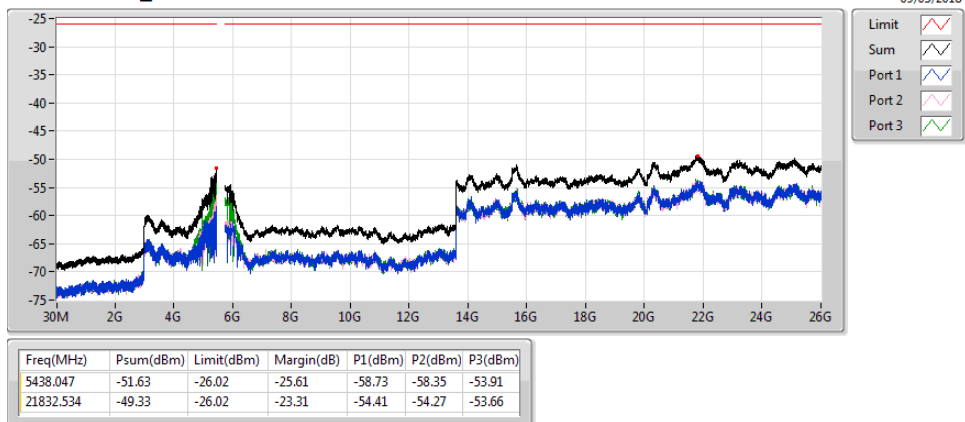
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## 802.11a\_Nss1\_3TX

CSE-TX

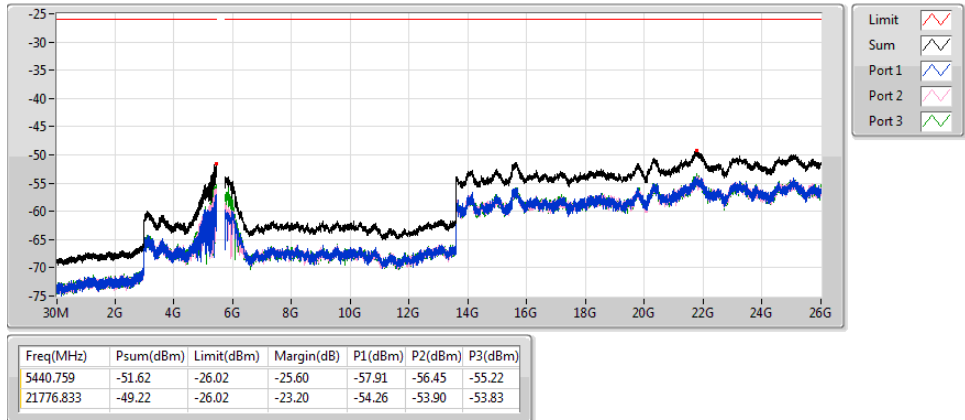
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## 802.11a\_Nss1\_3TX

CSE-TX

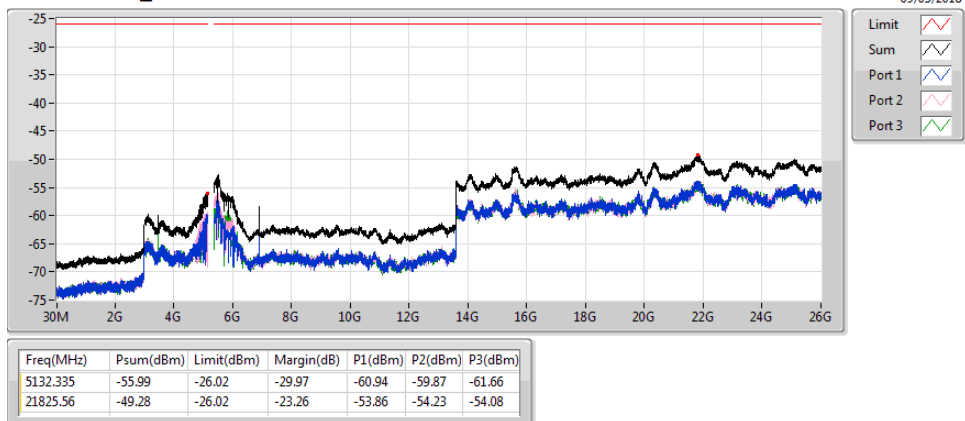
### 5700MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-TX

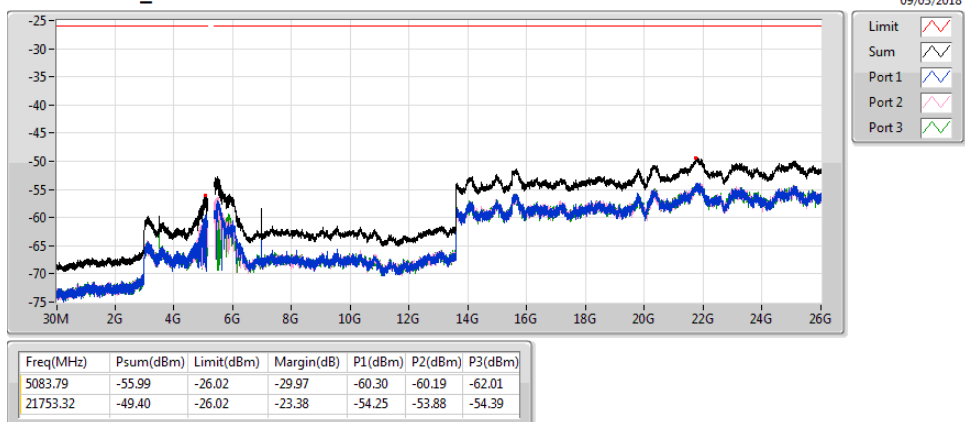
### 5180MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-TX

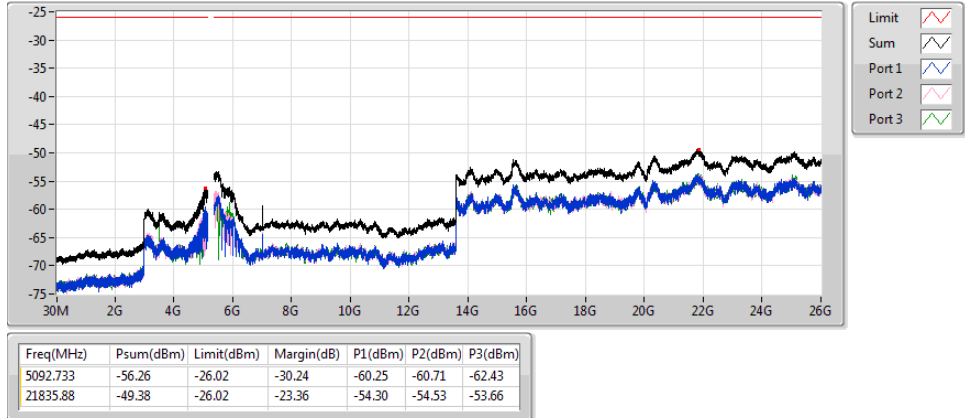
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## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-TX

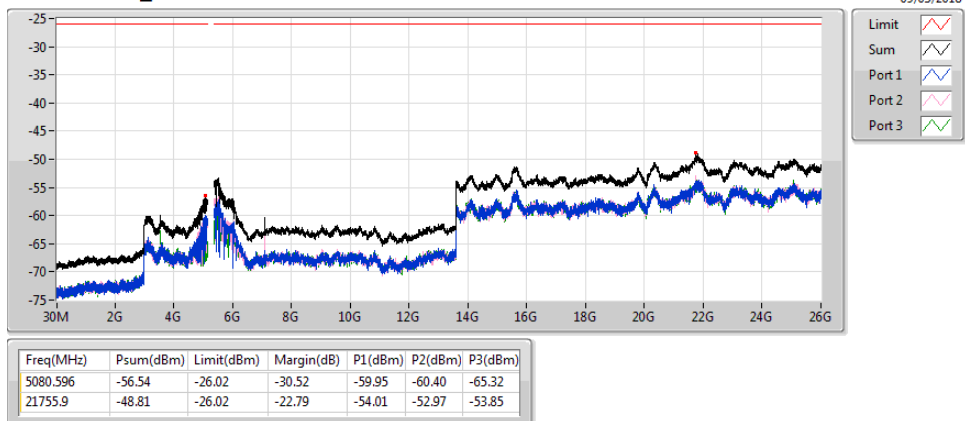
### 5260MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-TX

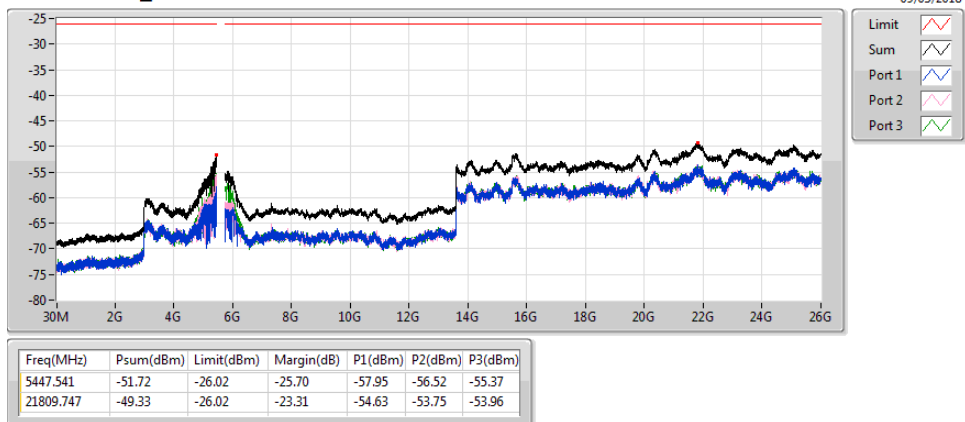
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## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-TX

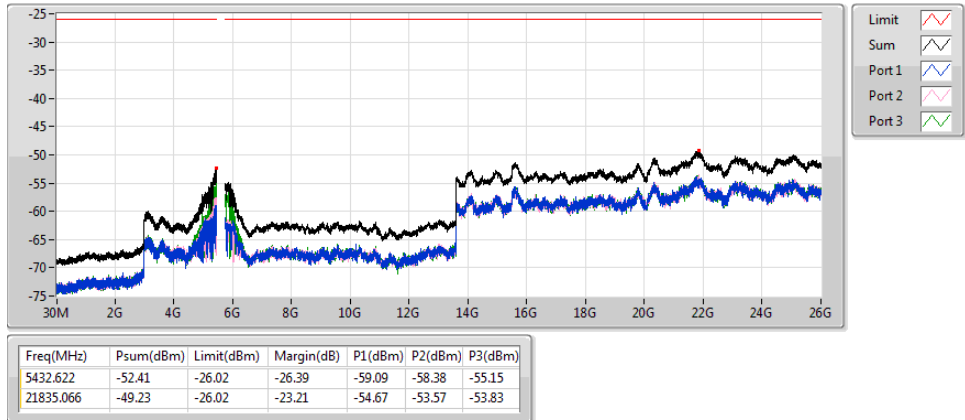
### 5500MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-TX

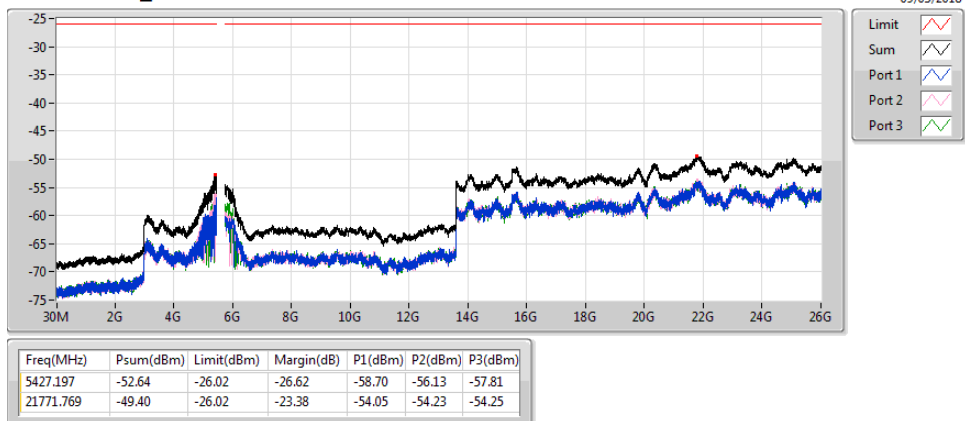
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## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-TX

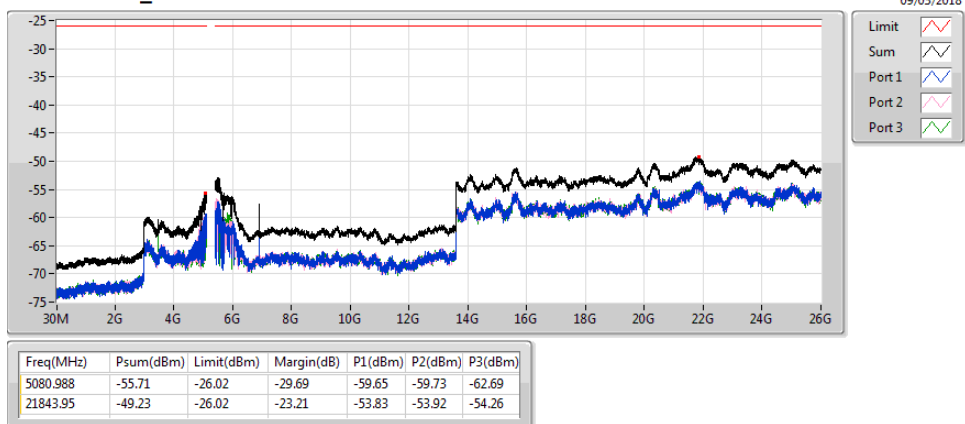
### 5700MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-TX

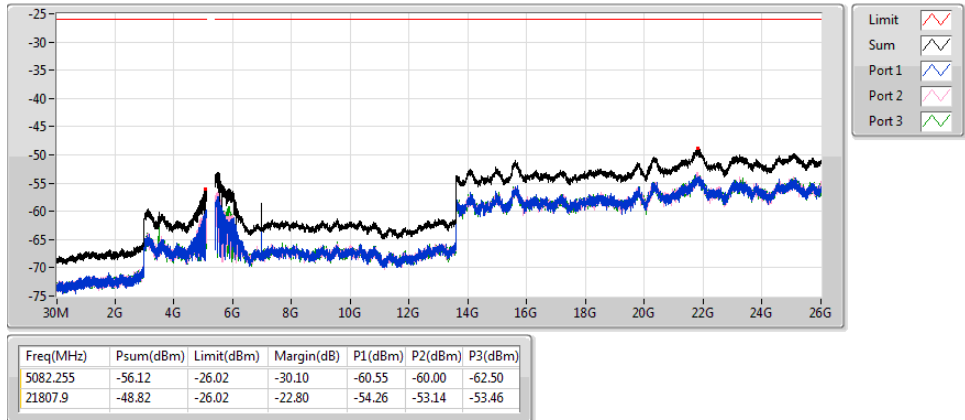
### 5190MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-TX

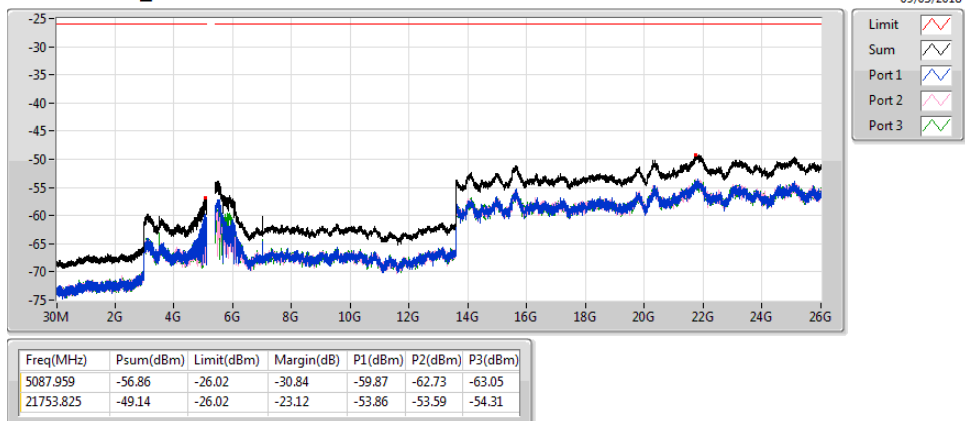
### 5230MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-TX

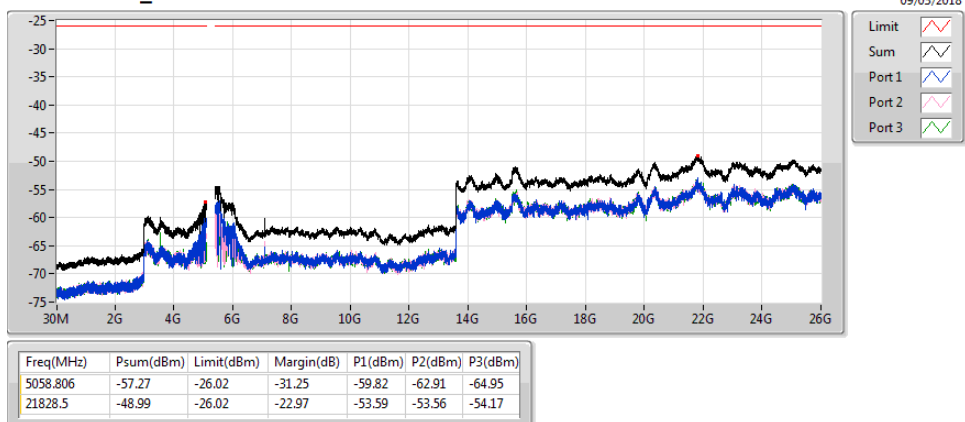
### 5270MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-TX

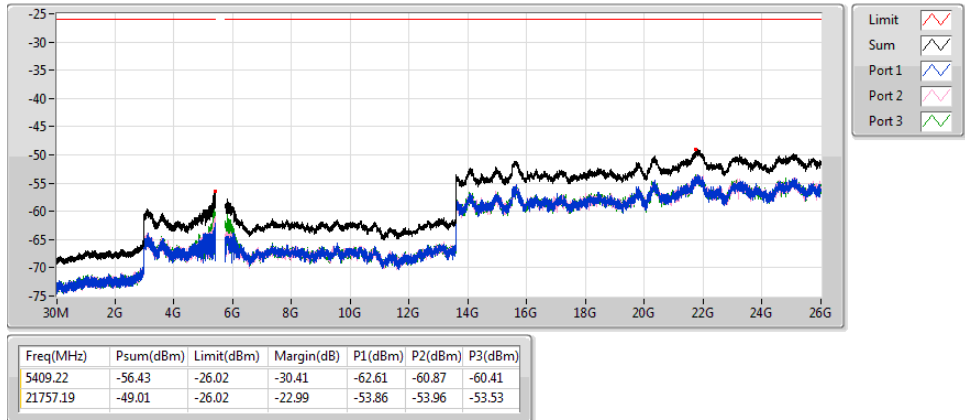
### 5310MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-TX

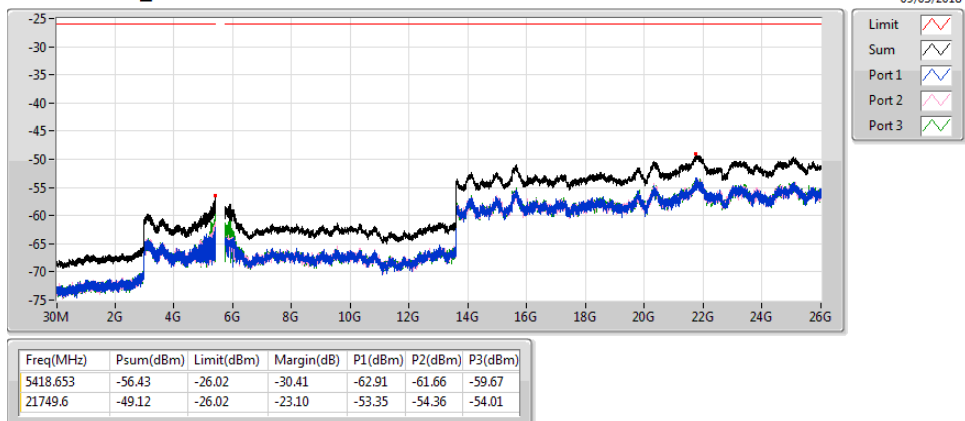
### 5510MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-TX

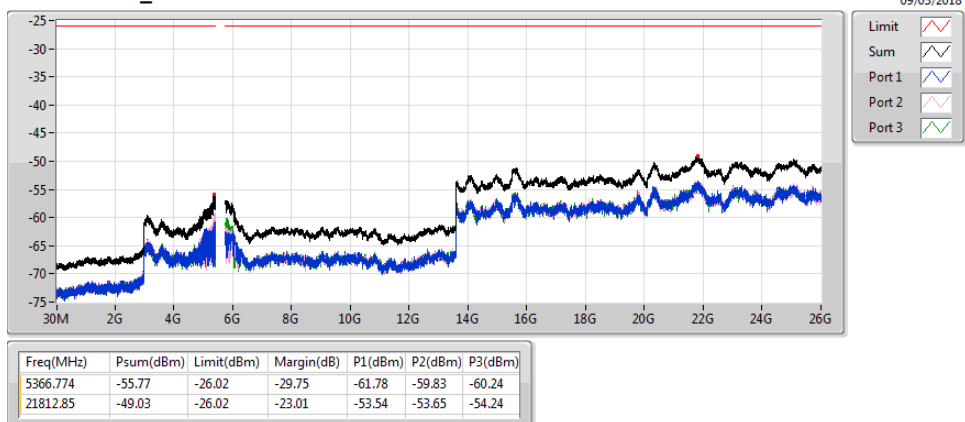
### 5590MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-TX

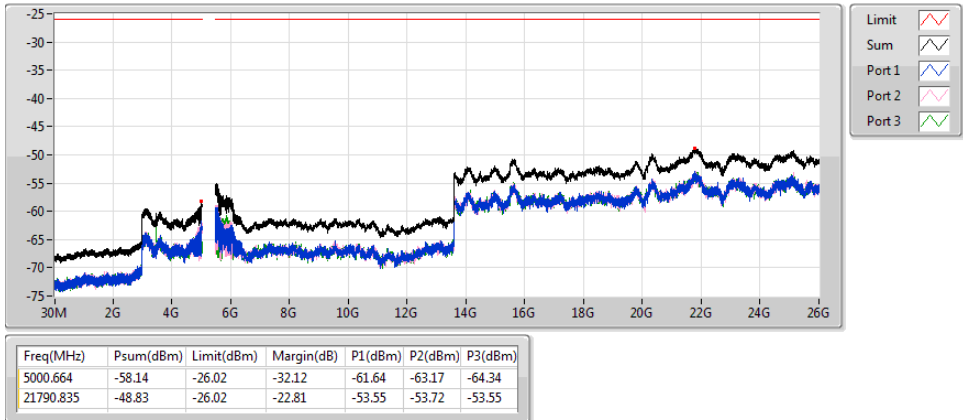
### 5670MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-TX

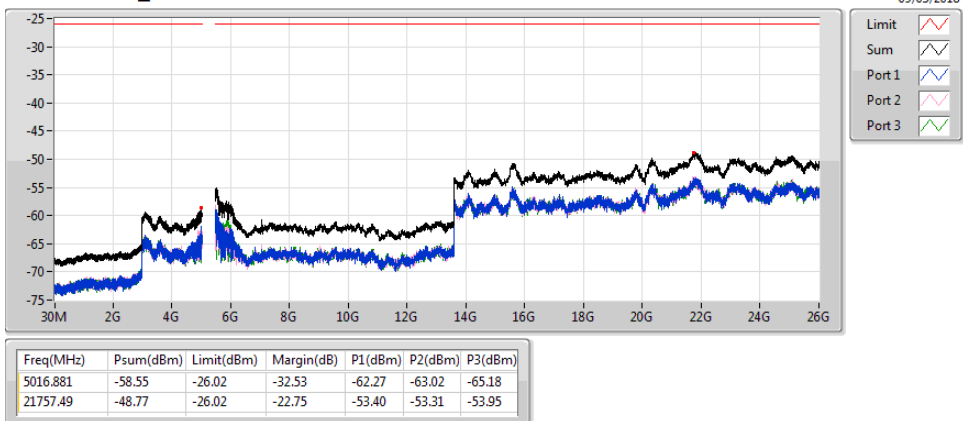
### 5210MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-TX

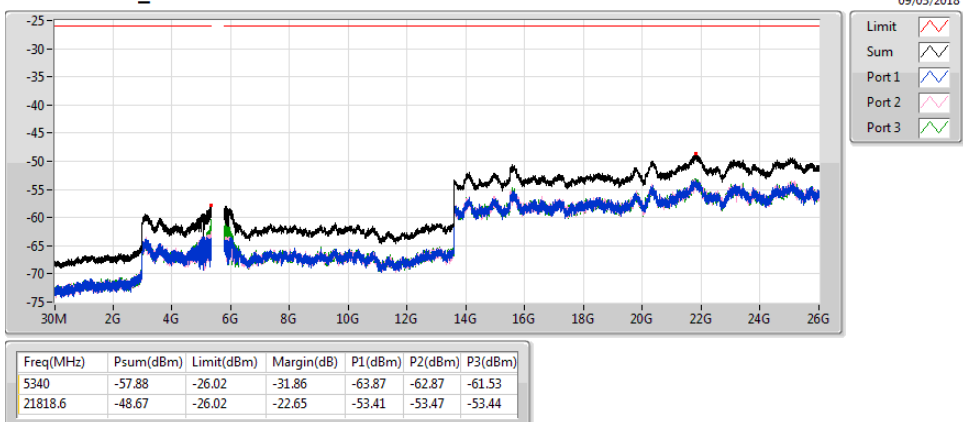
### 5290MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-TX

### 5530MHz\_TnomVnom

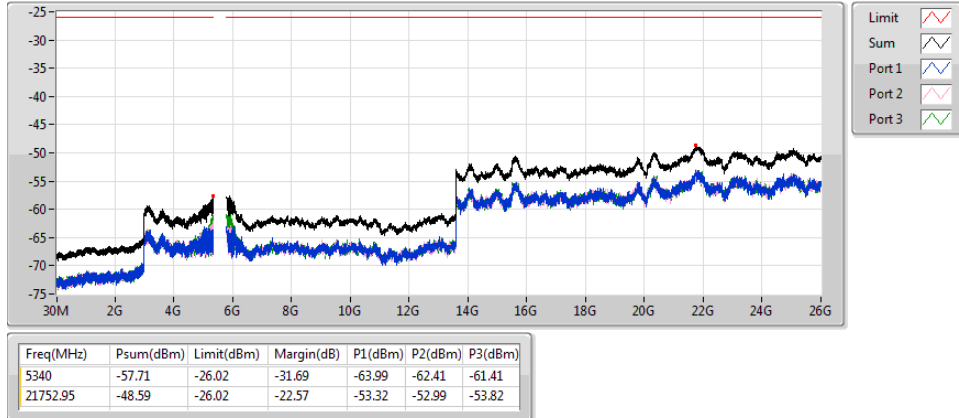


802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-TX

5610MHz\_TnomVnom

09/03/2018





## CSE-RX Secondary Radiated Emissions Result

Appendix H

### Summary

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | Psum<br>(dBm) | Psum<br>(nW/MHz) | Limit<br>(dBm) | Limit<br>(nW/MHz) | Margin<br>(dB) | Loss<br>(dB) | P1<br>(dBm) | P1<br>(nW/MHz) | P2<br>(dBm) | P2<br>(nW/MHz) | P3<br>(dBm) | P3<br>(nW/MHz) |
|--------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|--------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 5.15-5.25GHz                   | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX               | Pass   | 1G              | 26G            | 1M          | 21718.75      | -66.26        | 0.23647          | -46.99         | 19.9986<br>2      | -19.27         | 3.42         | -70.62      | 0.0867         | -71.62      | 0.06887        | -70.92      | 0.08091        |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21821.87<br>5 | -66.04        | 0.2489           | -46.99         | 19.9986<br>2      | -19.05         | 3.42         | -70.57      | 0.0877         | -71.41      | 0.07228        | -70.51      | 0.08892        |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21806.25      | -66.11        | 0.24464          | -46.99         | 19.9986<br>2      | -19.12         | 3.42         | -71.02      | 0.07907        | -70.54      | 0.08831        | -71.12      | 0.07727        |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21800         | -66.12        | 0.24412          | -46.99         | 19.9986<br>2      | -19.13         | 3.42         | -71.34      | 0.07345        | -71.08      | 0.07798        | -70.33      | 0.09268        |
| 5.25-5.35GHz                   | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX               | Pass   | 1G              | 26G            | 1M          | 21828.12<br>5 | -66.05        | 0.24843          | -46.99         | 19.9986<br>2      | -19.06         | 3.42         | -70.65      | 0.0861         | -70.64      | 0.0863         | -71.19      | 0.07603        |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21800         | -66.02        | 0.2502           | -46.99         | 19.9986<br>2      | -19.03         | 3.42         | -70.90      | 0.08128        | -71.06      | 0.07834        | -70.43      | 0.09057        |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21828.12<br>5 | -66.15        | 0.24289          | -46.99         | 19.9986<br>2      | -19.16         | 3.42         | -70.41      | 0.09099        | -71.23      | 0.07534        | -71.16      | 0.07656        |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21815.62<br>5 | -66.16        | 0.24228          | -46.99         | 19.9986<br>2      | -19.17         | 3.42         | -71.24      | 0.07516        | -70.77      | 0.08375        | -70.79      | 0.08337        |
| 5.47-5.725GHz                  | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 802.11a_Nss1_3TX               | Pass   | 1G              | 26G            | 1M          | 21743.75      | -66.09        | 0.24621          | -46.99         | 19.9986<br>2      | -19.10         | 3.42         | -70.68      | 0.08551        | -70.75      | 0.08414        | -71.16      | 0.07656        |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21750         | -65.85        | 0.26024          | -46.99         | 19.9986<br>2      | -18.86         | 3.42         | -71.10      | 0.07762        | -70.36      | 0.09204        | -70.43      | 0.09057        |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21846.87<br>5 | -66.07        | 0.247            | -46.99         | 19.9986<br>2      | -19.08         | 3.42         | -70.64      | 0.0863         | -70.94      | 0.08054        | -70.96      | 0.08017        |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | 1G              | 26G            | 1M          | 21818.75      | -66.19        | 0.24017          | -46.99         | 19.9986<br>2      | -19.20         | 3.42         | -71.33      | 0.07362        | -70.82      | 0.08279        | -70.77      | 0.08375        |



## CSE-RX Secondary Radiated Emissions Result

Appendix H

### Result

| Mode                          | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | Psum<br>(dBm) | Psum<br>(nW/MHz) | Limit<br>(dBm) | Limit<br>(nW/MHz) | Margin<br>(dB) | Loss<br>(dB) | P1<br>(dBm) | P1<br>(nW/MHz) | P2<br>(dBm) | P2<br>(nW/MHz) | P3<br>(dBm) | P3<br>(nW/MHz) |
|-------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|--------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 802.11a_Nss1_3TX              | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5180MHz                       | Pass   | 30M             | 1G             | 100k        | 349.251       | -78.69        | 0.01353          | -53.98         | 3.99945           | -24.71         | 3.42         | -85.08      | 0.0031         | -82.17      | 0.00607        | -83.61      | 0.00436        |
| 5180MHz                       | Pass   | 1G              | 26G            | 1M          | 21831.25      | -66.29        | 0.23477          | -46.99         | 19.9986<br>2      | -19.30         | 3.42         | -71.23      | 0.07534        | -71.05      | 0.07852        | -70.92      | 0.08091        |
| 5240MHz                       | Pass   | 30M             | 1G             | 100k        | 808.425       | -78.97        | 0.01267          | -53.98         | 3.99945           | -24.99         | 3.42         | -87.33      | 0.00185        | -82.80      | 0.00525        | -82.54      | 0.00557        |
| 5240MHz                       | Pass   | 1G              | 26G            | 1M          | 21718.75      | -66.26        | 0.23647          | -46.99         | 19.9986<br>2      | -19.27         | 3.42         | -70.62      | 0.0867         | -71.62      | 0.06887        | -70.92      | 0.08091        |
| 5260MHz                       | Pass   | 30M             | 1G             | 100k        | 510.392       | -78.43        | 0.01434          | -53.98         | 3.99945           | -24.45         | 3.42         | -82.45      | 0.00569        | -83.40      | 0.00457        | -83.89      | 0.00408        |
| 5260MHz                       | Pass   | 1G              | 26G            | 1M          | 21828.12<br>5 | -66.05        | 0.24843          | -46.99         | 19.9986<br>2      | -19.06         | 3.42         | -70.65      | 0.0861         | -70.64      | 0.0863         | -71.19      | 0.07603        |
| 5320MHz                       | Pass   | 30M             | 1G             | 100k        | 42.61         | -79.06        | 0.01243          | -53.98         | 3.99945           | -25.08         | 3.42         | -83.09      | 0.00491        | -84.04      | 0.00394        | -84.47      | 0.00357        |
| 5320MHz                       | Pass   | 1G              | 26G            | 1M          | 21765.62<br>5 | -66.07        | 0.24745          | -46.99         | 19.9986<br>2      | -19.08         | 3.42         | -71.32      | 0.07379        | -70.38      | 0.09162        | -70.86      | 0.08204        |
| 5500MHz                       | Pass   | 30M             | 1G             | 100k        | 317.726       | -78.67        | 0.01358          | -53.98         | 3.99945           | -24.69         | 3.42         | -81.87      | 0.0065         | -82.99      | 0.00502        | -86.87      | 0.00206        |
| 5500MHz                       | Pass   | 1G              | 26G            | 1M          | 21743.75      | -66.09        | 0.24621          | -46.99         | 19.9986<br>2      | -19.10         | 3.42         | -70.68      | 0.08551        | -70.75      | 0.08414        | -71.16      | 0.07656        |
| 5600MHz                       | Pass   | 30M             | 1G             | 100k        | 238.186       | -78.65        | 0.01365          | -53.98         | 3.99945           | -24.67         | 3.42         | -84.55      | 0.00351        | -81.37      | 0.00729        | -85.46      | 0.00284        |
| 5600MHz                       | Pass   | 1G              | 26G            | 1M          | 21781.25      | -66.30        | 0.23422          | -46.99         | 19.9986<br>2      | -19.31         | 3.42         | -71.82      | 0.06577        | -70.55      | 0.0881         | -70.95      | 0.08035        |
| 5700MHz                       | Pass   | 30M             | 1G             | 100k        | 821.641       | -78.89        | 0.01291          | -53.98         | 3.99945           | -24.91         | 3.42         | -82.40      | 0.00575        | -82.81      | 0.00524        | -87.16      | 0.00192        |
| 5700MHz                       | Pass   | 1G              | 26G            | 1M          | 21806.25      | -66.17        | 0.2416           | -46.99         | 19.9986<br>2      | -19.18         | 3.42         | -71.40      | 0.07244        | -70.58      | 0.0875         | -70.88      | 0.08166        |
| 802.11ac_VHT20_Nss1(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5180MHz                       | Pass   | 30M             | 1G             | 100k        | 794.36        | -78.93        | 0.01279          | -53.98         | 3.99945           | -24.95         | 3.42         | -87.74      | 0.00168        | -82.99      | 0.00502        | -82.16      | 0.00608        |
| 5180MHz                       | Pass   | 1G              | 26G            | 1M          | 21821.87<br>5 | -66.04        | 0.2489           | -46.99         | 19.9986<br>2      | -19.05         | 3.42         | -70.57      | 0.0877         | -71.41      | 0.07228        | -70.51      | 0.08892        |
| 5240MHz                       | Pass   | 30M             | 1G             | 100k        | 438.491       | -78.85        | 0.01303          | -53.98         | 3.99945           | -24.87         | 3.42         | -87.88      | 0.00163        | -80.54      | 0.00883        | -85.90      | 0.00257        |
| 5240MHz                       | Pass   | 1G              | 26G            | 1M          | 21812.5       | -66.15        | 0.24273          | -46.99         | 19.9986<br>2      | -19.16         | 3.42         | -71.51      | 0.07063        | -70.51      | 0.08892        | -70.80      | 0.08318        |
| 5260MHz                       | Pass   | 30M             | 1G             | 100k        | 577.808       | -78.92        | 0.01282          | -53.98         | 3.99945           | -24.94         | 3.42         | -83.07      | 0.00493        | -83.62      | 0.00435        | -84.50      | 0.00355        |
| 5260MHz                       | Pass   | 1G              | 26G            | 1M          | 21800         | -66.02        | 0.2502           | -46.99         | 19.9986<br>2      | -19.03         | 3.42         | -70.90      | 0.08128        | -71.06      | 0.07834        | -70.43      | 0.09057        |
| 5320MHz                       | Pass   | 30M             | 1G             | 100k        | 51.461        | -78.43        | 0.01435          | -53.98         | 3.99945           | -24.45         | 3.42         | -82.04      | 0.00625        | -83.83      | 0.00414        | -84.03      | 0.00395        |
| 5320MHz                       | Pass   | 1G              | 26G            | 1M          | 21784.37<br>5 | -66.17        | 0.2418           | -46.99         | 19.9986<br>2      | -19.18         | 3.42         | -70.60      | 0.0871         | -70.92      | 0.08091        | -71.32      | 0.07379        |
| 5500MHz                       | Pass   | 30M             | 1G             | 100k        | 146.036       | -78.81        | 0.01315          | -53.98         | 3.99945           | -24.83         | 3.42         | -83.89      | 0.00408        | -83.51      | 0.00446        | -83.36      | 0.00461        |
| 5500MHz                       | Pass   | 1G              | 26G            | 1M          | 21821.87<br>5 | -66.17        | 0.24144          | -46.99         | 19.9986<br>2      | -19.18         | 3.42         | -71.00      | 0.07943        | -70.88      | 0.08166        | -70.95      | 0.08035        |
| 5600MHz                       | Pass   | 30M             | 1G             | 100k        | 109.297       | -78.77        | 0.01327          | -53.98         | 3.99945           | -24.79         | 3.42         | -81.24      | 0.00752        | -88.07      | 0.00156        | -83.77      | 0.0042         |
| 5600MHz                       | Pass   | 1G              | 26G            | 1M          | 21750         | -65.85        | 0.26024          | -46.99         | 19.9986<br>2      | -18.86         | 3.42         | -71.10      | 0.07762        | -70.36      | 0.09204        | -70.43      | 0.09057        |
| 5700MHz                       | Pass   | 30M             | 1G             | 100k        | 769.867       | -78.36        | 0.0146           | -53.98         | 3.99945           | -24.38         | 3.42         | -84.58      | 0.00348        | -83.49      | 0.00448        | -81.78      | 0.00664        |
| 5700MHz                       | Pass   | 1G              | 26G            | 1M          | 21818.75      | -66.09        | 0.24579          | -46.99         | 19.9986<br>2      | -19.10         | 3.42         | -70.52      | 0.08872        | -70.97      | 0.07998        | -71.13      | 0.07709        |
| 802.11ac_VHT40_Nss1(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5190MHz                       | Pass   | 30M             | 1G             | 100k        | 45.763        | -78.98        | 0.01266          | -53.98         | 3.99945           | -25.00         | 3.42         | -83.94      | 0.00404        | -84.54      | 0.00352        | -82.92      | 0.00511        |
| 5190MHz                       | Pass   | 1G              | 26G            | 1M          | 21812.5       | -66.15        | 0.24274          | -46.99         | 19.9986<br>2      | -19.16         | 3.42         | -71.98      | 0.06339        | -70.35      | 0.09226        | -70.60      | 0.0871         |
| 5230MHz                       | Pass   | 30M             | 1G             | 100k        | 519.486       | -78.58        | 0.01388          | -53.98         | 3.99945           | -24.60         | 3.42         | -82.37      | 0.00579        | -84.87      | 0.00326        | -83.16      | 0.00483        |
| 5230MHz                       | Pass   | 1G              | 26G            | 1M          | 21806.25      | -66.11        | 0.24464          | -46.99         | 19.9986<br>2      | -19.12         | 3.42         | -71.02      | 0.07907        | -70.54      | 0.08831        | -71.12      | 0.07727        |
| 5270MHz                       | Pass   | 30M             | 1G             | 100k        | 693.116       | -78.95        | 0.01273          | -53.98         | 3.99945           | -24.97         | 3.42         | -83.05      | 0.00495        | -84.53      | 0.00352        | -83.71      | 0.00426        |
| 5270MHz                       | Pass   | 1G              | 26G            | 1M          | 21828.12<br>5 | -66.15        | 0.24289          | -46.99         | 19.9986<br>2      | -19.16         | 3.42         | -70.41      | 0.09099        | -71.23      | 0.07534        | -71.16      | 0.07656        |
| 5310MHz                       | Pass   | 30M             | 1G             | 100k        | 411.816       | -78.93        | 0.01279          | -53.98         | 3.99945           | -24.95         | 3.42         | -87.19      | 0.00191        | -84.94      | 0.00321        | -81.15      | 0.00767        |
| 5310MHz                       | Pass   | 1G              | 26G            | 1M          | 21825         | -66.15        | 0.24256          | -46.99         | 19.9986<br>2      | -19.16         | 3.42         | -70.97      | 0.07998        | -71.21      | 0.07568        | -70.61      | 0.0869         |
| 5510MHz                       | Pass   | 30M             | 1G             | 100k        | 904.334       | -78.11        | 0.01545          | -53.98         | 3.99945           | -24.13         | 3.42         | -81.53      | 0.00703        | -84.03      | 0.00395        | -83.50      | 0.00447        |
| 5510MHz                       | Pass   | 1G              | 26G            | 1M          | 21743.75      | -66.24        | 0.23745          | -46.99         | 19.9986<br>2      | -19.25         | 3.42         | -71.43      | 0.07194        | -70.67      | 0.0857         | -70.98      | 0.0798         |
| 5590MHz                       | Pass   | 30M             | 1G             | 100k        | 54.492        | -78.88        | 0.01296          | -53.98         | 3.99945           | -24.90         | 3.42         | -83.63      | 0.00434        | -83.87      | 0.0041         | -83.45      | 0.00452        |
| 5590MHz                       | Pass   | 1G              | 26G            | 1M          | 21812.5       | -66.17        | 0.24149          | -46.99         | 19.9986<br>2      | -19.18         | 3.42         | -71.02      | 0.07907        | -70.21      | 0.09528        | -71.73      | 0.06714        |
| 5670MHz                       | Pass   | 30M             | 1G             | 100k        | 31.091        | -79.03        | 0.01251          | -53.98         | 3.99945           | -25.05         | 3.42         | -82.79      | 0.00526        | -84.00      | 0.00398        | -84.86      | 0.00327        |



## CSE-RX Secondary Radiated Emissions Result

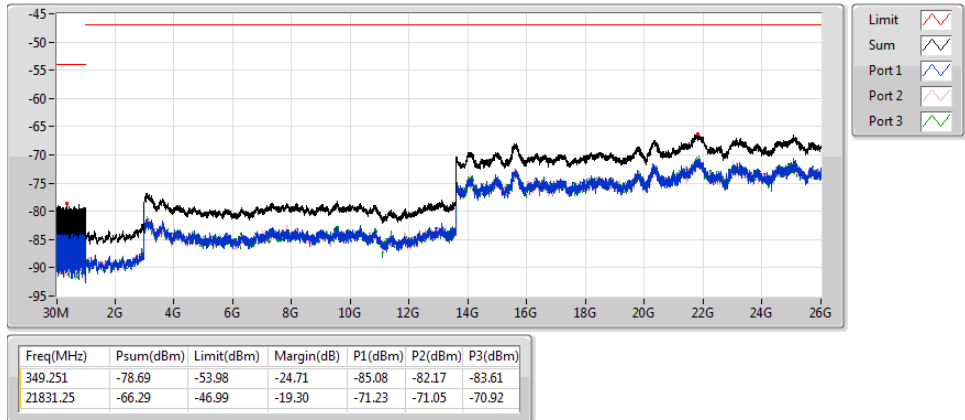
Appendix H

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | RBW<br>(Hz) | Freq<br>(MHz) | Psum<br>(dBm) | Psum<br>(nW/MHz) | Limit<br>(dBm) | Limit<br>(nW/MHz) | Margin<br>(dB) | Loss<br>(dB) | P1<br>(dBm) | P1<br>(nW/MHz) | P2<br>(dBm) | P2<br>(nW/MHz) | P3<br>(dBm) | P3<br>(nW/MHz) |
|--------------------------------|--------|-----------------|----------------|-------------|---------------|---------------|------------------|----------------|-------------------|----------------|--------------|-------------|----------------|-------------|----------------|-------------|----------------|
| 5670MHz                        | Pass   | 1G              | 26G            | 1M          | 21846.87<br>5 | -66.07        | 0.247            | -46.99         | 19.9986<br>2      | -19.08         | 3.42         | -70.64      | 0.0863         | -70.94      | 0.08054        | -70.96      | 0.08017        |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -               | -              | -           | -             | -             | -                | -              | -                 | -              | -            | -           | -              | -           | -              | -           | -              |
| 5210MHz                        | Pass   | 30M             | 1G             | 100k        | 70.013        | -78.66        | 0.01362          | -53.98         | 3.99945           | -24.68         | 3.42         | -86.30      | 0.00234        | -81.57      | 0.00697        | -83.66      | 0.00431        |
| 5210MHz                        | Pass   | 1G              | 26G            | 1M          | 21800         | -66.12        | 0.24412          | -46.99         | 19.9986<br>2      | -19.13         | 3.42         | -71.34      | 0.07345        | -71.08      | 0.07798        | -70.33      | 0.09268        |
| 5290MHz                        | Pass   | 30M             | 1G             | 100k        | 702.21        | -78.41        | 0.01443          | -53.98         | 3.99945           | -24.43         | 3.42         | -83.33      | 0.00465        | -82.12      | 0.00614        | -84.38      | 0.00365        |
| 5290MHz                        | Pass   | 1G              | 26G            | 1M          | 21815.62<br>5 | -66.16        | 0.24228          | -46.99         | 19.9986<br>2      | -19.17         | 3.42         | -71.24      | 0.07516        | -70.77      | 0.08375        | -70.79      | 0.08337        |
| 5530MHz                        | Pass   | 30M             | 1G             | 100k        | 854.136       | -78.71        | 0.01345          | -53.98         | 3.99945           | -24.73         | 3.42         | -83.68      | 0.00429        | -83.03      | 0.00498        | -83.78      | 0.00419        |
| 5530MHz                        | Pass   | 1G              | 26G            | 1M          | 21806.25      | -66.26        | 0.23654          | -46.99         | 19.9986<br>2      | -19.27         | 3.42         | -70.68      | 0.08551        | -71.28      | 0.07447        | -71.16      | 0.07656        |
| 5610MHz                        | Pass   | 30M             | 1G             | 100k        | 249.705       | -78.80        | 0.01318          | -53.98         | 3.99945           | -24.82         | 3.42         | -82.18      | 0.00605        | -83.66      | 0.00431        | -85.49      | 0.00282        |
| 5610MHz                        | Pass   | 1G              | 26G            | 1M          | 21818.75      | -66.19        | 0.24017          | -46.99         | 19.9986<br>2      | -19.20         | 3.42         | -71.33      | 0.07362        | -70.82      | 0.08279        | -70.77      | 0.08375        |

## 802.11a\_Nss1\_3TX

CSE-RX

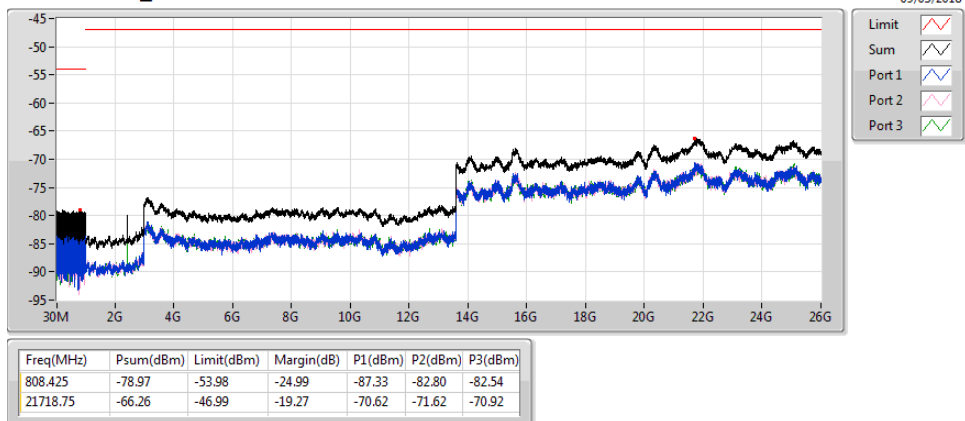
### 5180MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-RX

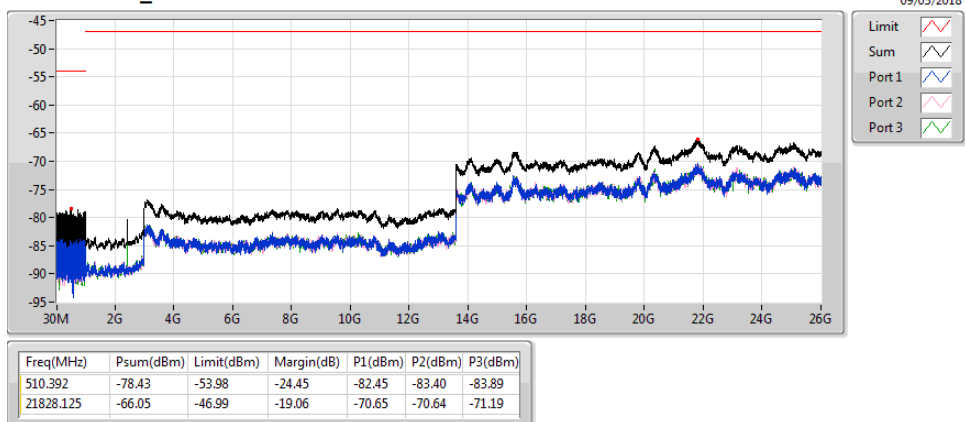
### 5240MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-RX

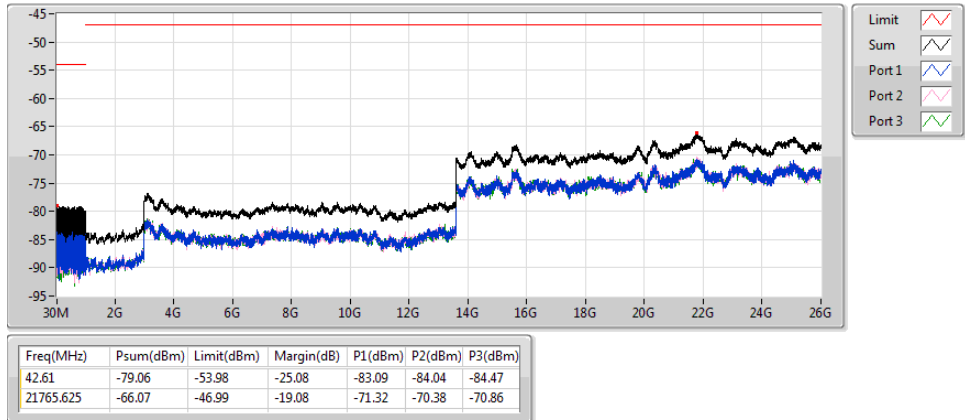
### 5260MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-RX

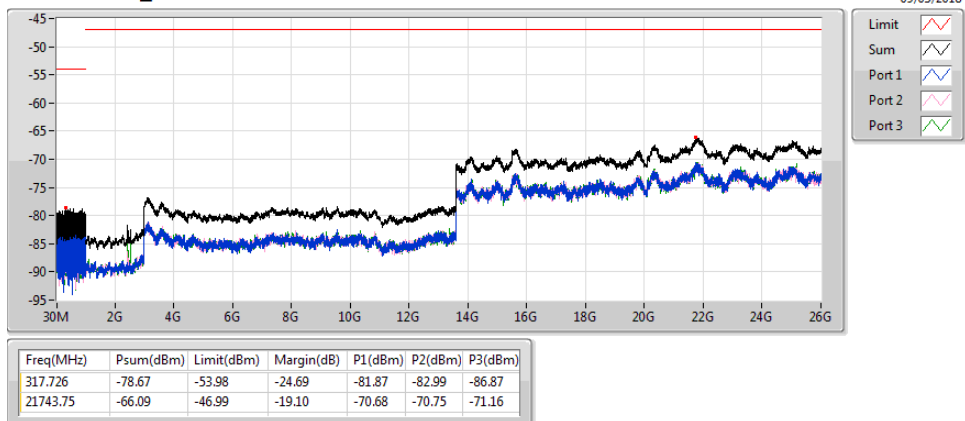
### 5320MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-RX

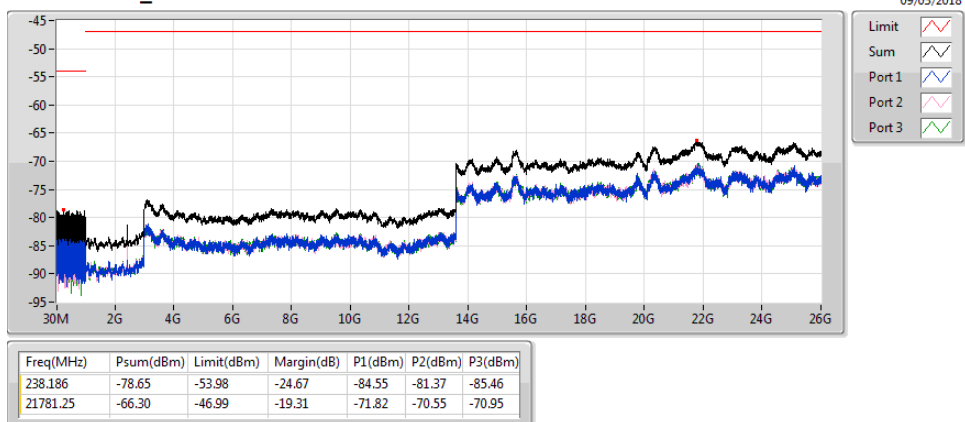
### 5500MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-RX

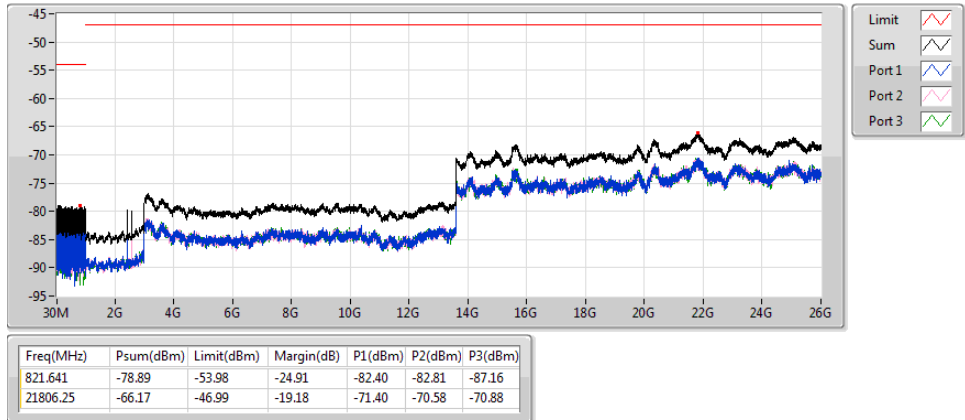
### 5600MHz\_TnomVnom



## 802.11a\_Nss1\_3TX

CSE-RX

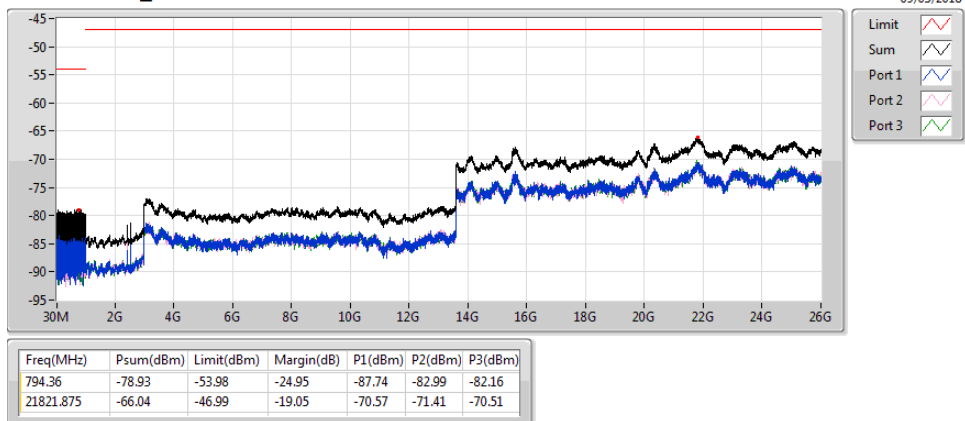
### 5700MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-RX

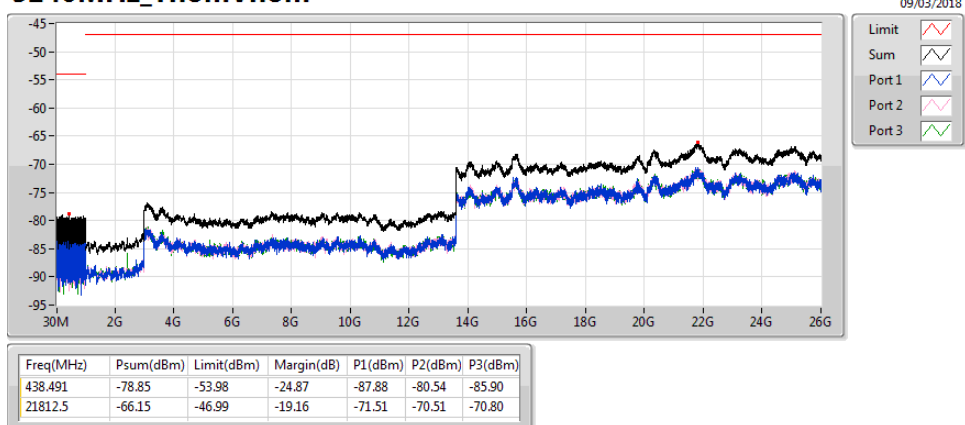
### 5180MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-RX

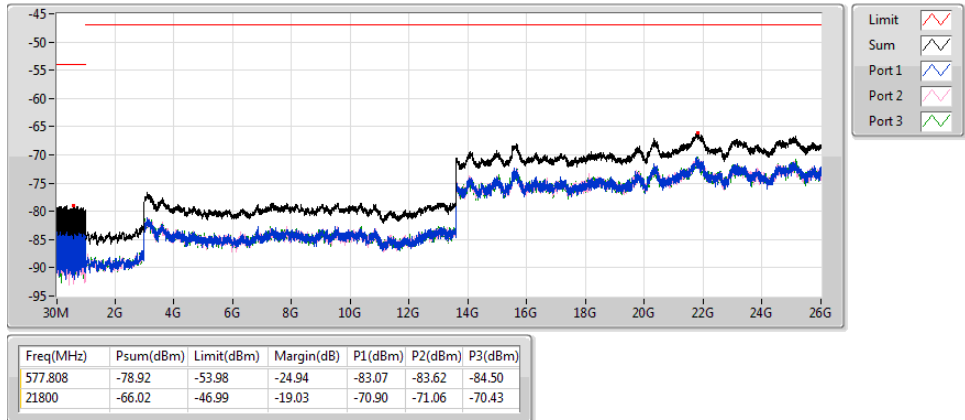
### 5240MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-RX

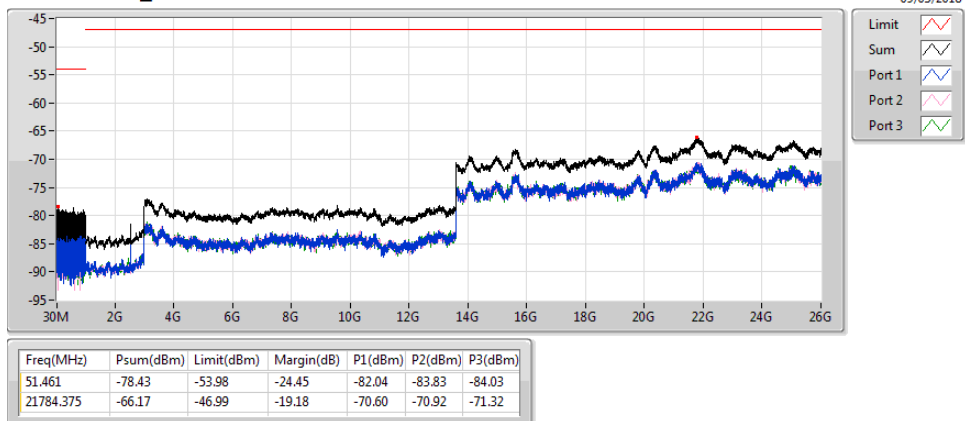
### 5260MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-RX

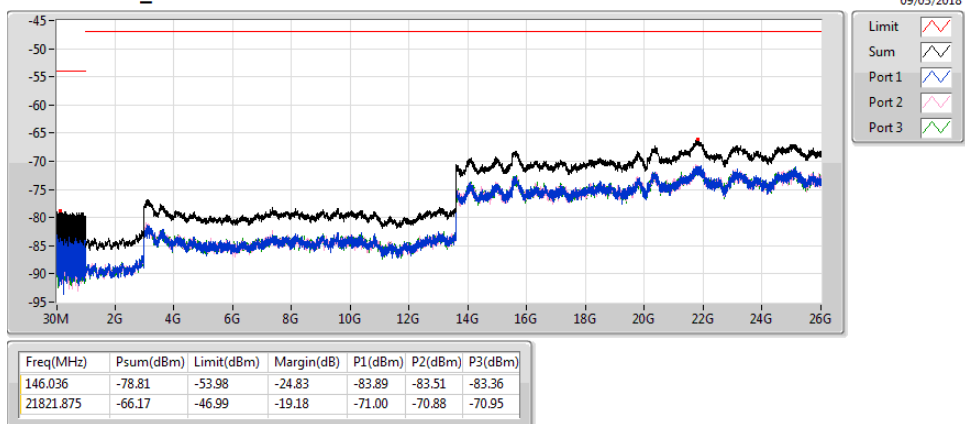
### 5320MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-RX

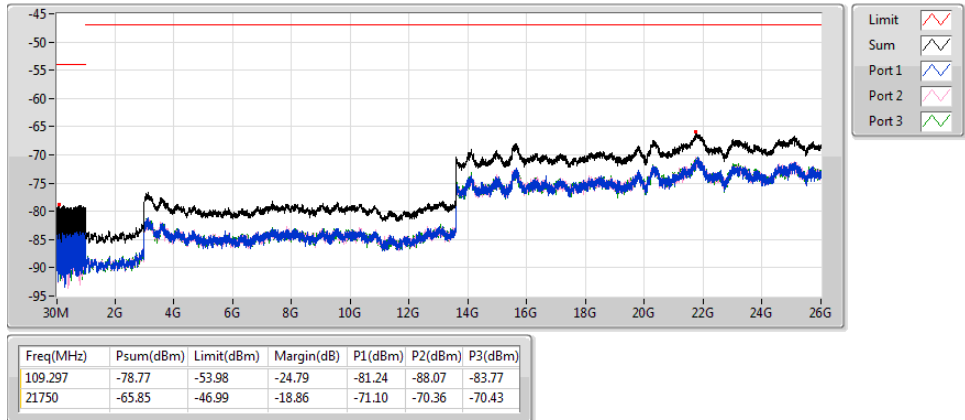
### 5500MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-RX

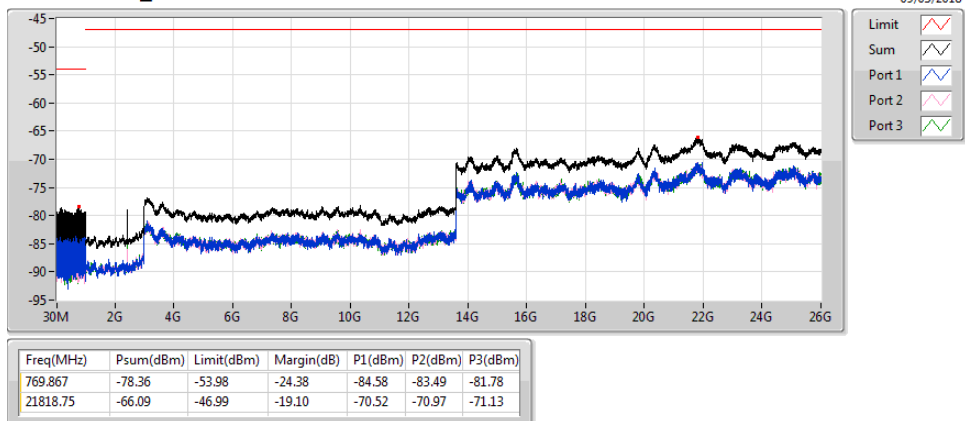
### 5600MHz\_TnomVnom



## 802.11ac VHT20\_Nss1,(MCS0)\_3TX

CSE-RX

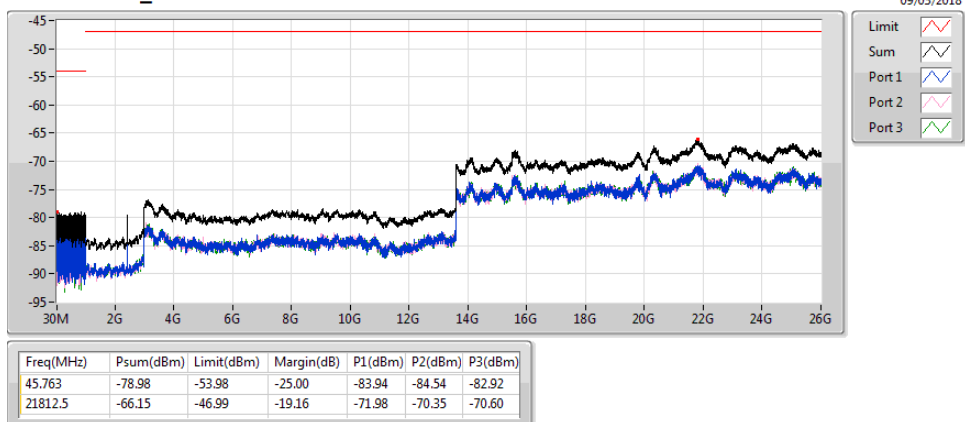
### 5700MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-RX

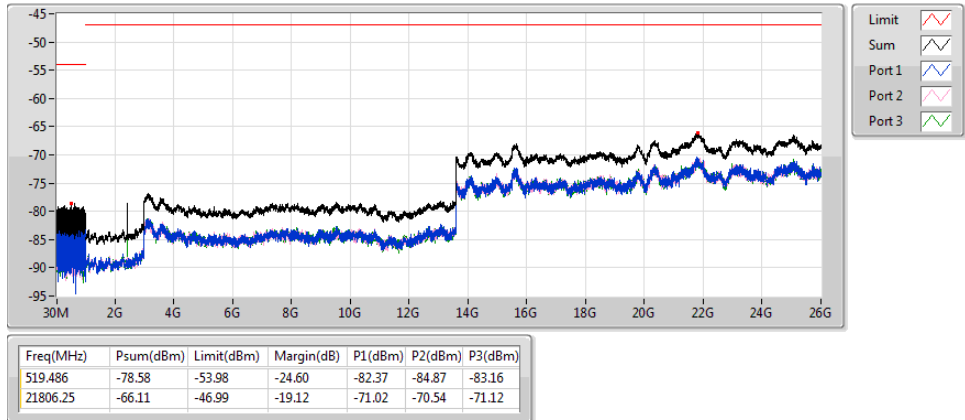
### 5190MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-RX

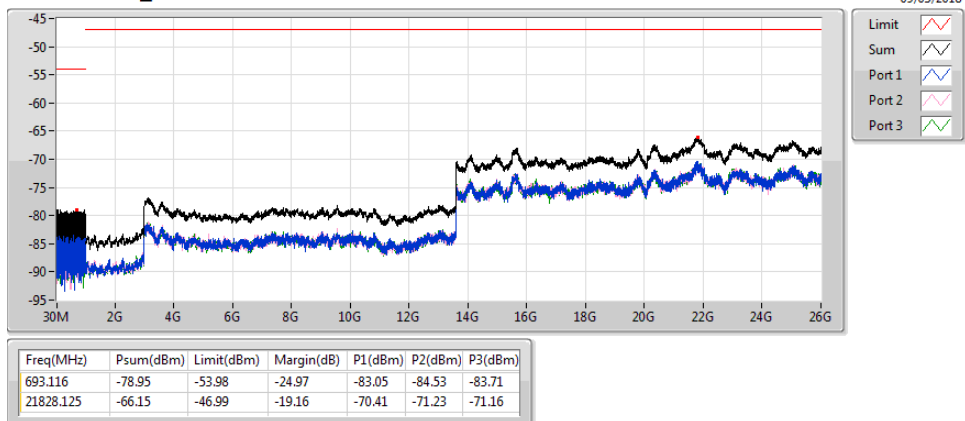
### 5230MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-RX

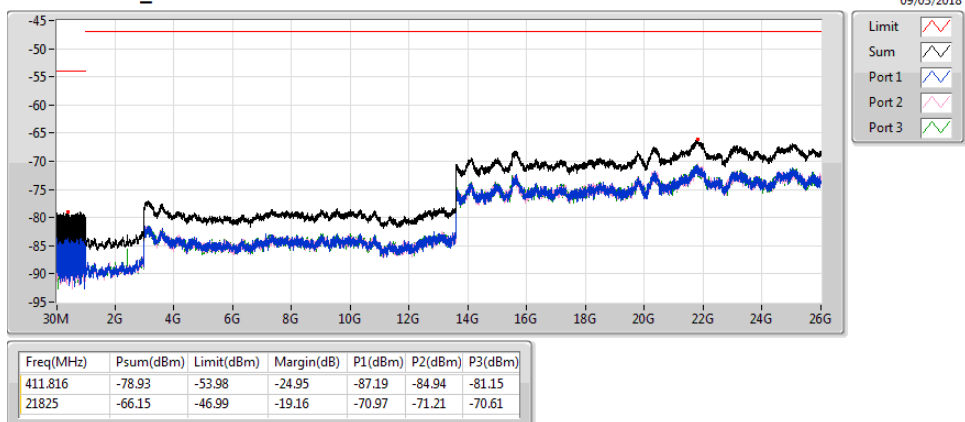
### 5270MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-RX

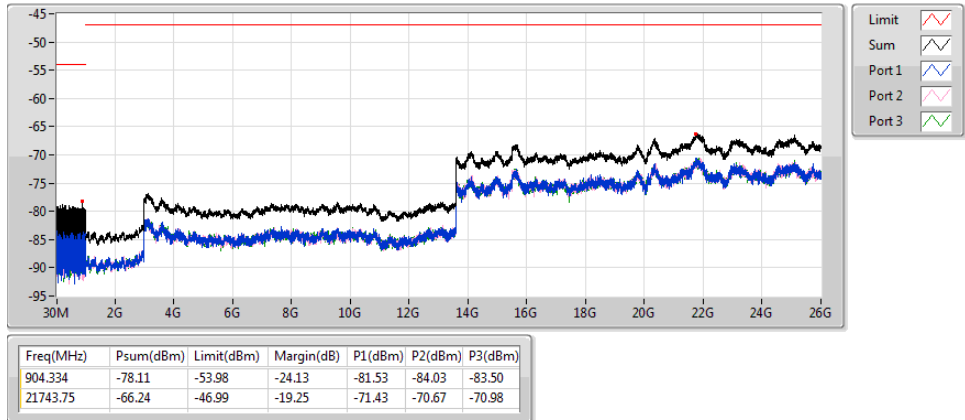
### 5310MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-RX

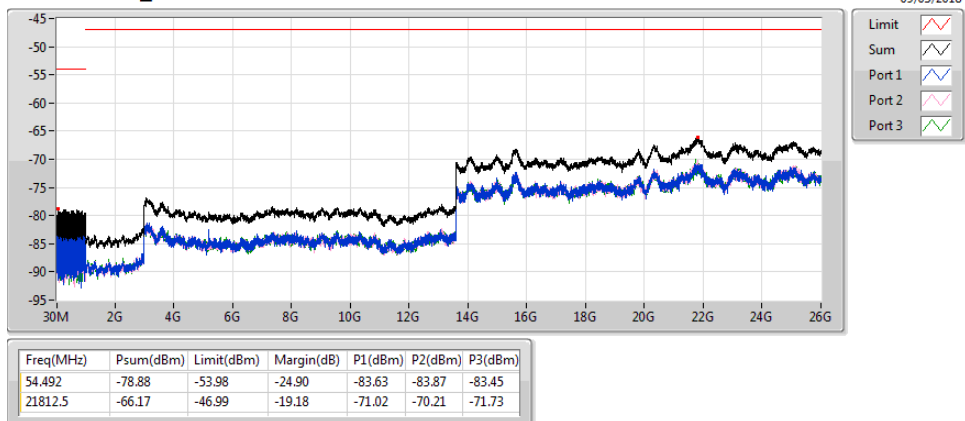
### 5510MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-RX

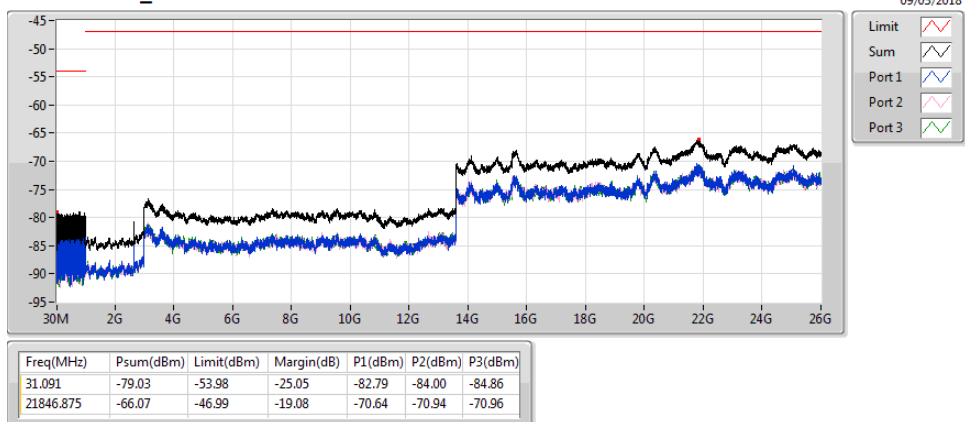
### 5590MHz\_TnomVnom



## 802.11ac VHT40\_Nss1,(MCS0)\_3TX

CSE-RX

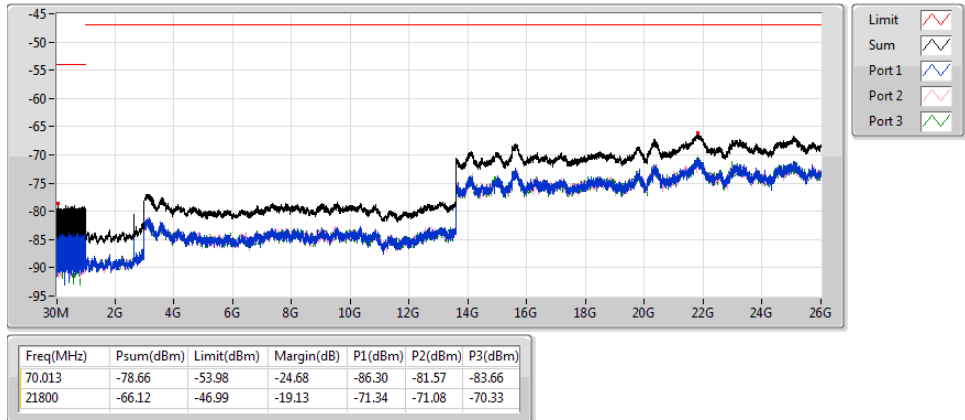
### 5670MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-RX

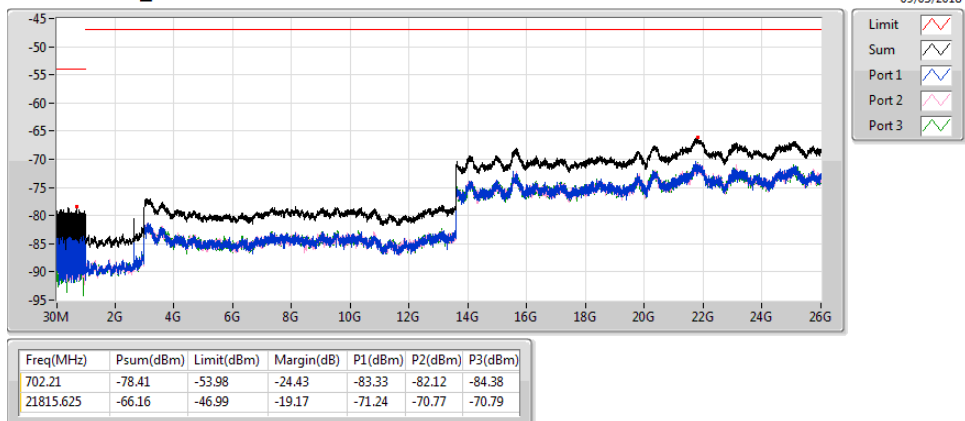
### 5210MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-RX

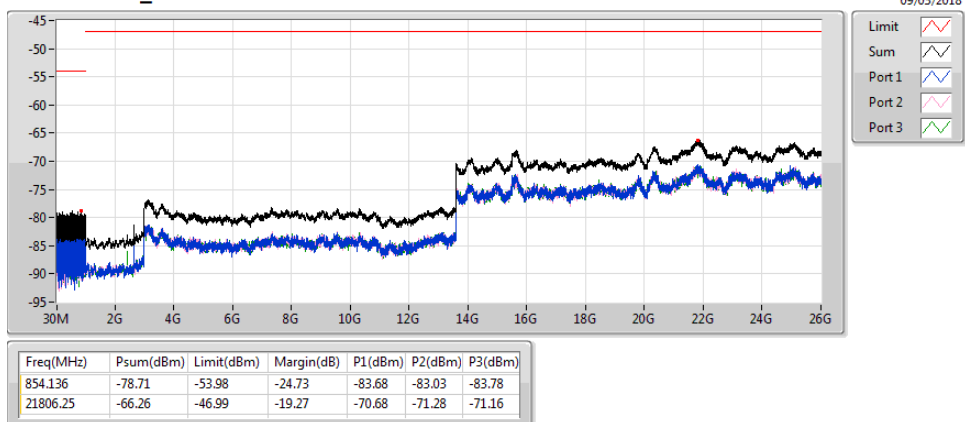
### 5290MHz\_TnomVnom



## 802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-RX

### 5530MHz\_TnomVnom

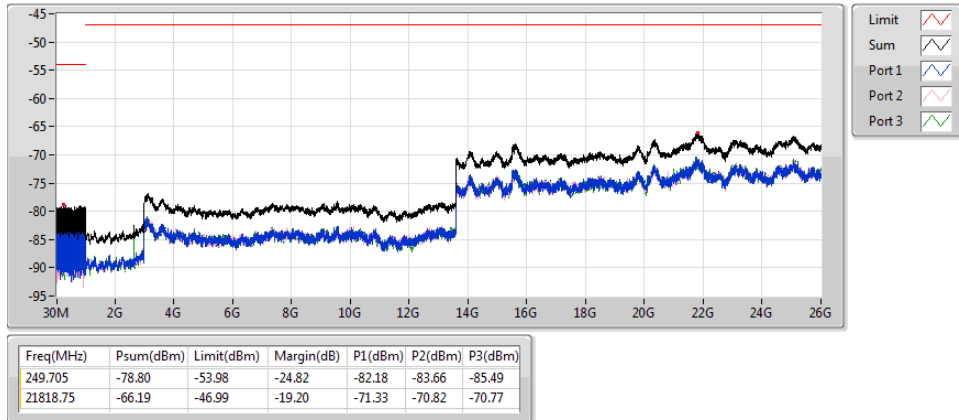


802.11ac VHT80\_Nss1,(MCS0)\_3TX

CSE-RX

5610MHz\_TnomVnom

09/03/2018





**Summary**

| Mode                              | Result | MAC               | ID Length | ID Limit | Function |
|-----------------------------------|--------|-------------------|-----------|----------|----------|
| 5.15-5.25GHz                      | -      |                   | -         | -        | -        |
| 802.11a_Nss1_3TX                  | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5.25-5.35GHz                      | -      | 80-1F-02-00-00-01 | -         | -        | -        |
| 802.11a_Nss1_3TX                  | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5.47-5.725GHz                     | -      | 80-1F-02-00-00-01 | -         | -        | -        |
| 802.11a_Nss1_3TX                  | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |

### Result

| Mode                              | Result | MAC               | ID Length | ID Limit | Function |
|-----------------------------------|--------|-------------------|-----------|----------|----------|
| 802.11a_Nss1_3TX                  | -      |                   | -         | -        | -        |
| 5180MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5240MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5260MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5320MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5500MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5600MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5700MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT20_Nss1,(MCS0)_3TX | -      |                   | -         | -        | -        |
| 5180MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5240MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5260MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5320MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5500MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5600MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5700MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT40_Nss1,(MCS0)_3TX | -      |                   | -         | -        | -        |
| 5190MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5230MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5270MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5310MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5510MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5590MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5670MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 802.11ac<br>VHT80_Nss1,(MCS0)_3TX | -      |                   | -         | -        | -        |
| 5210MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5290MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5530MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |
| 5610MHz                           | Pass   | 80-1F-02-00-00-01 | 48 bits   | 19 bits  | Good     |

**Summary**

| Mode                           | Max-Dwell<br>(s) |
|--------------------------------|------------------|
| 5.15-5.25GHz                   | -                |
| 802.11a_Nss1_3TX               | 2.065m           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 1.933m           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 953u             |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 465u             |
| 5.25-5.35GHz                   | -                |
| 802.11a_Nss1_3TX               | 2.065m           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 1.933m           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 953u             |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 465u             |
| 5.47-5.725GHz                  | -                |
| 802.11a_Nss1_3TX               | 2.065m           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | 1.933m           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | 953u             |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | 465u             |



## Transmission Burst Length Result

Appendix J

### Result

| Mode                           | Result | TX Burst Time<br>(s) | Limit<br>(s) |
|--------------------------------|--------|----------------------|--------------|
| 802.11a_Nss1_3TX               | -      | -                    | -            |
| 5180MHz                        | Pass   | 2.065m               | 4m           |
| 5240MHz                        | Pass   | 2.065m               | 4m           |
| 5260MHz                        | Pass   | 2.065m               | 4m           |
| 5320MHz                        | Pass   | 2.065m               | 4m           |
| 5500MHz                        | Pass   | 2.065m               | 4m           |
| 5600MHz                        | Pass   | 2.065m               | 4m           |
| 5700MHz                        | Pass   | 2.065m               | 4m           |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -                    | -            |
| 5180MHz                        | Pass   | 1.933m               | 4m           |
| 5240MHz                        | Pass   | 1.933m               | 4m           |
| 5260MHz                        | Pass   | 1.933m               | 4m           |
| 5320MHz                        | Pass   | 1.933m               | 4m           |
| 5500MHz                        | Pass   | 1.933m               | 4m           |
| 5600MHz                        | Pass   | 1.933m               | 4m           |
| 5700MHz                        | Pass   | 1.933m               | 4m           |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -                    | -            |
| 5190MHz                        | Pass   | 953u                 | 4m           |
| 5230MHz                        | Pass   | 953u                 | 4m           |
| 5270MHz                        | Pass   | 953u                 | 4m           |
| 5310MHz                        | Pass   | 953u                 | 4m           |
| 5510MHz                        | Pass   | 953u                 | 4m           |
| 5590MHz                        | Pass   | 953u                 | 4m           |
| 5670MHz                        | Pass   | 953u                 | 4m           |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -                    | -            |
| 5210MHz                        | Pass   | 465u                 | 4m           |
| 5290MHz                        | Pass   | 465u                 | 4m           |
| 5530MHz                        | Pass   | 465u                 | 4m           |
| 5610MHz                        | Pass   | 465u                 | 4m           |

**Summary**

| Mode                           | Result | Interference Pin<br>(dBm) | Function |
|--------------------------------|--------|---------------------------|----------|
| 5.15-5.25GHz                   | -      | -                         | -        |
| 802.11a_Nss1_3TX               | Pass   | -49.63                    | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | -49.63                    | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | -49.61                    | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | -49.58                    | Good     |
| 5.25-5.35GHz                   | -      | -                         | -        |
| 802.11a_Nss1_3TX               | Pass   | -49.35                    | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | -49.35                    | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | -49.33                    | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | -49.30                    | Good     |
| 5.47-5.725GHz                  | -      | -                         | -        |
| 802.11a_Nss1_3TX               | Pass   | -49.87                    | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | Pass   | -49.87                    | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | Pass   | -49.82                    | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | Pass   | -49.73                    | Good     |

### Result

| Mode                           | Result | Interference Pin<br>(dBm) | Function |
|--------------------------------|--------|---------------------------|----------|
| 802.11a_Nss1_3TX               | -      | -                         | -        |
| 5180MHz                        | Pass   | -49.53                    | Good     |
| 5240MHz                        | Pass   | -49.63                    | Good     |
| 5260MHz                        | Pass   | -49.25                    | Good     |
| 5320MHz                        | Pass   | -49.35                    | Good     |
| 5500MHz                        | Pass   | -49.56                    | Good     |
| 5600MHz                        | Pass   | -49.71                    | Good     |
| 5700MHz                        | Pass   | -49.87                    | Good     |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -                         | -        |
| 5180MHz                        | Pass   | -49.53                    | Good     |
| 5240MHz                        | Pass   | -49.63                    | Good     |
| 5260MHz                        | Pass   | -49.25                    | Good     |
| 5320MHz                        | Pass   | -49.35                    | Good     |
| 5500MHz                        | Pass   | -49.56                    | Good     |
| 5600MHz                        | Pass   | -49.71                    | Good     |
| 5700MHz                        | Pass   | -49.87                    | Good     |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -                         | -        |
| 5190MHz                        | Pass   | -49.54                    | Good     |
| 5230MHz                        | Pass   | -49.61                    | Good     |
| 5270MHz                        | Pass   | -49.27                    | Good     |
| 5310MHz                        | Pass   | -49.33                    | Good     |
| 5510MHz                        | Pass   | -49.57                    | Good     |
| 5590MHz                        | Pass   | -49.70                    | Good     |
| 5670MHz                        | Pass   | -49.82                    | Good     |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -                         | -        |
| 5210MHz                        | Pass   | -49.58                    | Good     |
| 5290MHz                        | Pass   | -49.30                    | Good     |
| 5530MHz                        | Pass   | -49.60                    | Good     |
| 5610MHz                        | Pass   | -49.73                    | Good     |