



# FCC Test Report

**Equipment** : Wireless 802.11 a/b/g/n/ac Access Point  
**Brand Name** : CISCO  
**Model No.** : MR42E-HW  
**FCC ID** : UDX-60063010  
**Standard** : 47 CFR FCC Part 15.407  
**Operating Band** : 5150 MHz – 5250 MHz  
5250 MHz – 5350 MHz  
5470 MHz – 5725 MHz  
5725 MHz – 5850 MHz  
**Applicant** : Cisco Systems, Inc.  
170 West Tasman Drive, San Jose, CA 95134 USA  
**Manufacturer** : Cisco Systems, Inc.  
170 West Tasman Drive, San Jose, CA 95134 USA  
**Function** :  Outdoor;  Indoor;  Fixed P2P  
 Client  
**TPC Function** :  With TPC  Without TPC

The product sample received on Jun. 06, 2017 and completely tested on Sep. 01, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

  
Cliff Chang  
SPORTON INTERNATIONAL INC.





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**APPENDIX A. TEST RESULTS OF RADIATED EMISSION CO-LOCATION**

**APPENDIX B. TEST PHOTOS**

**PHOTOGRAPHS OF EUT V01**



### Summary of Test Result

| Conformance Test Specifications |                  |                                   |          |
|---------------------------------|------------------|-----------------------------------|----------|
| Report Clause                   | Ref. Std. Clause | Description                       | Result   |
| 1.1.2                           | 15.203           | Antenna Requirement               | Complied |
| 3.1                             | 15.207           | AC Power-line Conducted Emissions | Complied |
| 3.2                             | 15.407(a)        | Emission Bandwidth                | Complied |
| 3.3                             | 15.407(a)        | Maximum Conducted Output Power    | Complied |
| 3.4                             | 15.407(a)        | Peak Power Spectral Density       | Complied |
| 3.5                             | 15.407(b)        | Unwanted Emissions                | Complied |
| 3.6                             | 15.407(g)        | Frequency Stability               | Complied |



### Revision History

| Report No. | Version | Description   | Issued Date   |
|------------|---------|---|---------------|
| FR760613AC | Rev. 01 | Initial issue of report   | Oct. 02, 2017 |
| FR760613AC | Rev. 01 | Modifying the brand name and model name of Antenna for the test report. | Oct. 25, 2017 |
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# 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             |                         | 5500-5720           | 100-144 [12]   |
| 5725-5850             |                         | 5745-5825           | 149-165 [5]    |
| 5150-5250             | n (HT40), ac (VHT40)    | 5190-5230           | 38-46 [2]      |
| 5250-5350             |                         | 5270-5310           | 54-62 [2]      |
| 5470-5725             |                         | 5510-5710           | 102-142 [6]    |
| 5725-5850             |                         | 5755-5795           | 151-159 [2]    |
| 5150-5250             | ac (VHT80)              | 5210                | 42 [1]         |
| 5250-5350             |                         | 5290                | 58 [1]         |
| 5470-5725             |                         | 5530-5690           | 106-138 [3]    |
| 5725-5850             |                         | 5775                | 155 [1]        |

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 5.15-5.25GHz  | 802.11a        | 20         | 1TX  |
| 5.15-5.25GHz  | 802.11n HT20   | 20         | 1TX  |
| 5.15-5.25GHz  | 802.11ac VHT20 | 20         | 1TX  |
| 5.15-5.25GHz  | 802.11n HT40   | 40         | 1TX  |
| 5.15-5.25GHz  | 802.11ac VHT40 | 40         | 1TX  |
| 5.15-5.25GHz  | 802.11ac VHT80 | 80         | 1TX  |
| 5.25-5.35GHz  | 802.11a        | 20         | 1TX  |
| 5.25-5.35GHz  | 802.11n HT20   | 20         | 1TX  |
| 5.25-5.35GHz  | 802.11ac VHT20 | 20         | 1TX  |
| 5.25-5.35GHz  | 802.11n HT40   | 40         | 1TX  |
| 5.25-5.35GHz  | 802.11ac VHT40 | 40         | 1TX  |
| 5.25-5.35GHz  | 802.11ac VHT80 | 80         | 1TX  |
| 5.47-5.725GHz | 802.11a        | 20         | 1TX  |
| 5.47-5.725GHz | 802.11n HT20   | 20         | 1TX  |
| 5.47-5.725GHz | 802.11ac VHT20 | 20         | 1TX  |
| 5.47-5.725GHz | 802.11n HT40   | 40         | 1TX  |
| 5.47-5.725GHz | 802.11ac VHT40 | 40         | 1TX  |
| 5.47-5.725GHz | 802.11ac VHT80 | 80         | 1TX  |



| Band          | Mode              | BWch (MHz) | Nant |
|---------------|-------------------|------------|------|
| 5.725-5.85GHz | 802.11a           | 20         | 1TX  |
| 5.725-5.85GHz | 802.11n HT20      | 20         | 1TX  |
| 5.725-5.85GHz | 802.11ac VHT20    | 20         | 1TX  |
| 5.725-5.85GHz | 802.11n HT40      | 40         | 1TX  |
| 5.725-5.85GHz | 802.11ac VHT40    | 40         | 1TX  |
| 5.725-5.85GHz | 802.11ac VHT80    | 80         | 1TX  |
| 5.15-5.25GHz  | 802.11a           | 20         | 2TX  |
| 5.15-5.25GHz  | 802.11n HT20      | 20         | 2TX  |
| 5.15-5.25GHz  | 802.11ac VHT20    | 20         | 2TX  |
| 5.15-5.25GHz  | 802.11n HT40      | 40         | 2TX  |
| 5.15-5.25GHz  | 802.11ac VHT40    | 40         | 2TX  |
| 5.15-5.25GHz  | 802.11ac VHT80    | 80         | 2TX  |
| 5.25-5.35GHz  | 802.11a           | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT20      | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT20    | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT40      | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT40    | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT80    | 80         | 2TX  |
| 5.47-5.725GHz | 802.11a           | 20         | 2TX  |
| 5.47-5.725GHz | 802.11n HT20      | 20         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT20    | 20         | 2TX  |
| 5.47-5.725GHz | 802.11n HT40      | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT40    | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT80    | 80         | 2TX  |
| 5.725-5.85GHz | 802.11a           | 20         | 2TX  |
| 5.725-5.85GHz | 802.11n HT20      | 20         | 2TX  |
| 5.725-5.85GHz | 802.11ac VHT20    | 20         | 2TX  |
| 5.725-5.85GHz | 802.11n HT40      | 40         | 2TX  |
| 5.725-5.85GHz | 802.11ac VHT40    | 40         | 2TX  |
| 5.725-5.85GHz | 802.11ac VHT80    | 80         | 2TX  |
| 5.15-5.25GHz  | 802.11n HT20-BF   | 20         | 2TX  |
| 5.15-5.25GHz  | 802.11ac VHT20-BF | 20         | 2TX  |
| 5.15-5.25GHz  | 802.11n HT40-BF   | 40         | 2TX  |
| 5.15-5.25GHz  | 802.11ac VHT40-BF | 40         | 2TX  |
| 5.15-5.25GHz  | 802.11ac VHT80-BF | 80         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT20-BF   | 20         | 2TX  |



| Band          | Mode              | BWch (MHz) | Nant |
|---------------|-------------------|------------|------|
| 5.25-5.35GHz  | 802.11ac VHT20-BF | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT40-BF   | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT40-BF | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT80-BF | 80         | 2TX  |
| 5.47-5.725GHz | 802.11n HT20-BF   | 20         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT20-BF | 20         | 2TX  |
| 5.47-5.725GHz | 802.11n HT40-BF   | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT40-BF | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT80-BF | 80         | 2TX  |
| 5.725-5.85GHz | 802.11n HT20-BF   | 20         | 2TX  |
| 5.725-5.85GHz | 802.11ac VHT20-BF | 20         | 2TX  |
| 5.725-5.85GHz | 802.11n HT40-BF   | 40         | 2TX  |
| 5.725-5.85GHz | 802.11ac VHT40-BF | 40         | 2TX  |
| 5.725-5.85GHz | 802.11ac VHT80-BF | 80         | 2TX  |
| 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  |
| 5.725-5.85GHz | 802.11a           | 20         | 3TX  |
| 5.725-5.85GHz | 802.11n HT20      | 20         | 3TX  |
| 5.725-5.85GHz | 802.11ac VHT20    | 20         | 3TX  |
| 5.725-5.85GHz | 802.11n HT40      | 40         | 3TX  |



| Band          | Mode              | BWch (MHz) | Nant |
|---------------|-------------------|------------|------|
| 5.725-5.85GHz | 802.11ac VHT40    | 40         | 3TX  |
| 5.725-5.85GHz | 802.11ac VHT80    | 80         | 3TX  |
| 5.15-5.25GHz  | 802.11n HT20-BF   | 20         | 3TX  |
| 5.15-5.25GHz  | 802.11ac VHT20-BF | 20         | 3TX  |
| 5.15-5.25GHz  | 802.11n HT40-BF   | 40         | 3TX  |
| 5.15-5.25GHz  | 802.11ac VHT40-BF | 40         | 3TX  |
| 5.15-5.25GHz  | 802.11ac VHT80-BF | 80         | 3TX  |
| 5.25-5.35GHz  | 802.11n HT20-BF   | 20         | 3TX  |
| 5.25-5.35GHz  | 802.11ac VHT20-BF | 20         | 3TX  |
| 5.25-5.35GHz  | 802.11n HT40-BF   | 40         | 3TX  |
| 5.25-5.35GHz  | 802.11ac VHT40-BF | 40         | 3TX  |
| 5.25-5.35GHz  | 802.11ac VHT80-BF | 80         | 3TX  |
| 5.47-5.725GHz | 802.11n HT20-BF   | 20         | 3TX  |
| 5.47-5.725GHz | 802.11ac VHT20-BF | 20         | 3TX  |
| 5.47-5.725GHz | 802.11n HT40-BF   | 40         | 3TX  |
| 5.47-5.725GHz | 802.11ac VHT40-BF | 40         | 3TX  |
| 5.47-5.725GHz | 802.11ac VHT80-BF | 80         | 3TX  |
| 5.725-5.85GHz | 802.11n HT20-BF   | 20         | 3TX  |
| 5.725-5.85GHz | 802.11ac VHT20-BF | 20         | 3TX  |
| 5.725-5.85GHz | 802.11n HT40-BF   | 40         | 3TX  |
| 5.725-5.85GHz | 802.11ac VHT40-BF | 40         | 3TX  |
| 5.725-5.85GHz | 802.11ac VHT80-BF | 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.





1.1.2 Antenna Information

| Set | Brand | Official Model Number | Antenna Type   | Connector | Gain (dBi) |
|-----|-------|-----------------------|----------------|-----------|------------|
| 1   | Cisco | MA-ANT-3-A            | Dipole Antenna | I-PEX     | Note       |
| 2   | Cisco | MA-ANT-3-B            | Dipole Antenna | I-PEX     |            |
| 3   | Cisco | MA-ANT-3-F            | Patch Antenna  | I-PEX     |            |
| 4   | Cisco | MA-ANT-3-E            | Patch Antenna  | I-PEX     |            |
| 5   | Cisco | MA-ANT-3-C            | Omni Antenna   | I-PEX     |            |
| 6   | Cisco | MA-ANT-3-D            | Omni Antenna   | I-PEX     |            |

Note:

| Radio 1 (2.4GHz) |                   |        |        |                 |               |                |                 |        |        |
|------------------|-------------------|--------|--------|-----------------|---------------|----------------|-----------------|--------|--------|
| Set              | Antenn Gain (dBi) |        |        | Cable Loss (dB) |               |                | True Gain (dBi) |        |        |
|                  | Port 1            | Port 2 | Port 3 | Port 1 (Red)    | Port 2 (Gray) | Port 3 (White) | Port 1          | Port 2 | Port 3 |
| 1                | 4.9               | 4.9    | 4.9    | 0.8             | 0.8           | 1.2            | 4.1             | 4.1    | 3.7    |
| 2                | 4.1               | 4.1    | 4.1    | 0.8             | 0.8           | 1.2            | 3.3             | 3.3    | 2.9    |
| 3                | 11.55             | 11.55  | 11.55  | 0.8             | 0.8           | 1.2            | 10.75           | 10.75  | 10.35  |
| 4                | 6.7               | 6.7    | 6.7    | 0.8             | 0.8           | 1.2            | 5.9             | 5.9    | 5.5    |
| 5                | 5.1               | 5.1    | 5.1    | 0.8             | 0.8           | 1.2            | 4.3             | 4.3    | 3.9    |
| 6                | 3.16              | 3.16   | 3.16   | 0.8             | 0.8           | 1.2            | 2.36            | 2.36   | 1.96   |

| Radio 2 (5GHz) |                   |        |        |                 |               |                |                 |        |        |
|----------------|-------------------|--------|--------|-----------------|---------------|----------------|-----------------|--------|--------|
| Set            | Antenn Gain (dBi) |        |        | Cable Loss (dB) |               |                | True Gain (dBi) |        |        |
|                | Port 1            | Port 2 | Port 3 | Port 1 (Red)    | Port 2 (Gray) | Port 3 (White) | Port 1          | Port 2 | Port 3 |
| 1              | 6.1               | 6.1    | 6.1    | 1.2             | 1.2           | 1.7            | 4.9             | 4.9    | 4.4    |
| 2              | 6.9               | 6.9    | 6.9    | 1.2             | 1.2           | 1.7            | 5.7             | 5.7    | 5.2    |
| 3              | 10.94             | 10.94  | 10.94  | 1.2             | 1.2           | 1.7            | 9.74            | 9.74   | 9.24   |
| 4              | 6.93              | 6.93   | 6.93   | 1.2             | 1.2           | 1.7            | 5.73            | 5.73   | 5.23   |
| 5              | 5.4               | 5.4    | 5.4    | 1.2             | 1.2           | 1.7            | 4.2             | 4.2    | 3.7    |
| 6              | 3.95              | 3.95   | 3.95   | 1.2             | 1.2           | 1.7            | 2.75            | 2.75   | 2.25   |



| Radio 3 (2.4GHz + 5GHz) |                   |       |                 |      |                 |      |
|-------------------------|-------------------|-------|-----------------|------|-----------------|------|
| Set                     | Antenn Gain (dBi) |       | Cable Loss (dB) |      | True Gain (dBi) |      |
|                         | Port 1            |       | Port 1 (Green)  |      | Port 1          |      |
|                         | 2.4GHz            | 5GHz  | 2.4GHz          | 5GHz | 2.4GHz          | 5GHz |
| 1                       | 4.9               | 6.1   | 1.2             | 1.7  | 3.7             | 4.4  |
| 2                       | 4.1               | 6.9   | 1.2             | 1.7  | 2.9             | 5.2  |
| 3                       | 11.55             | 10.94 | 1.2             | 1.7  | 10.35           | 9.24 |
| 4                       | 6.7               | 6.93  | 1.2             | 1.7  | 5.5             | 5.23 |
| 5                       | 5.1               | 5.4   | 1.2             | 1.7  | 3.9             | 3.7  |
| 6                       | 3.16              | 3.95  | 1.2             | 1.7  | 1.96            | 2.25 |

| Radio 4 (Bluetooth) |                   |  |                 |  |                 |  |
|---------------------|-------------------|--|-----------------|--|-----------------|--|
| Set                 | Antenn Gain (dBi) |  | Cable Loss (dB) |  | True Gain (dBi) |  |
|                     | Port 1            |  | Port 1 (Blue)   |  | Port 1          |  |
| 1                   | 4.9               |  | 0.6             |  | 4.3             |  |
| 2                   | 4.1               |  | 0.6             |  | 3.5             |  |
| 3                   | 11.55             |  | 0.6             |  | 10.95           |  |
| 4                   | 6.7               |  | 0.6             |  | 6.1             |  |
| 5                   | 5.1               |  | 0.6             |  | 4.5             |  |
| 6                   | 3.16              |  | 0.6             |  | 2.56            |  |

| 3TX Correlated Composite Gain(dBi) for Radio 1 and Radio 2 |  |       |                 |      |                 |      |
|--|--|-------|-----------------|------|-----------------|------|
| Set  | Antenn Gain (dBi)                      |       | Cable Loss (dB) |      | True Gain (dBi) |      |
|  | 2.4GHz                                 | 5GHz  | 2.4GHz          | 5GHz | 2.4GHz          | 5GHz |
| 1  | 7.10                                   | -     | 1.2             | -    | 5.9             | -    |
| 3  | 16.43                                  | 15.18 | 1.2             | 1.2  | 15.2            | 14.0 |
| 4  | 10.98                                  | 11.52 | 1.2             | 1.2  | 9.8             | 10.3 |
| 5  | 6.60                                   | 7.00  | 1.2             | 1.2  | 5.4             | 5.8  |
| 6  | 6.40                                   | 7.01  | 1.2             | 1.2  | 5.2             | 5.8  |
| Set  | 3TX Directional gain (dBi) for Radio 2 |       |                 |      |                 |      |
| 2  | 10.31                                  |       |                 |      |                 |      |



| 2TX Correlated Composite Gain(dBi) for Radio 1 and Radio 2 |  |       |                 |      |                 |      |
|--|--|-------|-----------------|------|-----------------|------|
| Set  | Antenn Gain (dBi)                      |       | Cable Loss (dB) |      | True Gain (dBi) |      |
|  | 2.4GHz                                 | 5GHz  | 2.4GHz          | 5GHz | 2.4GHz          | 5GHz |
| 1  | 5.70                                   | -     | 1.2             | -    | 4.5             | -    |
| 3  | 14.42                                  | 12.17 | 1.2             | 1.2  | 13.2            | 11.0 |
| 4  | 9.93                                   | 10.18 | 1.2             | 1.2  | 8.7             | 9.0  |
| 5  | 4.80                                   | 5.60  | 1.2             | 1.2  | 3.6             | 4.4  |
| 6  | 5.29                                   | 4.85  | 1.2             | 1.2  | 4.1             | 3.7  |
| Set  | 2TX Directional gain (dBi) for Radio 2 |       |                 |      |                 |      |
| 2  | 8.46                                   |       |                 |      |                 |      |

Note: The EUT has six set antennas and there are five antennas for each set.

The EUT has four radios, Radio 1 supports WLAN 2.4GHz, Radio 2 supports WLAN 5GHz, Radio 3 supports WLAN 2.4GHz + 5GHz (scanning radio) and Radio 4 supports Bluetooth function.

Set 1 and Set 2 antennas are the same type antennas, only the higher gain antennas Set 1 for 2.4GHz, Set 2 for 5GHz were tested.

<For Radio 1 (2.4GHz Functions) >

**For 1TX/3RX:**

Only Port 1 can be use as transmitting antenna  
Port 1, Port 2 and Port 3 can be used as receiving antennas.  
Port 1, Port 2 and Port 3 could receive simultaneously.

**For 2TX/3RX:**

Only Port 1 and Port 2 can be use as transmitting antenna  
Port 1, Port 2 and Port 3 can be used as receiving antennas.  
Port 1, Port 2 and Port 3 could receive simultaneously.

**For 3TX/3RX:**

Port 1, Port 2 and Port 3 can be use as transmitting antenna  
Port 1, Port 2 and Port 3 can be used as receiving antennas.  
Port 1, Port 2 and Port 3 could transmit/receive simultaneously.

< Radio 2 (5GHz Functions) >

**For 1TX/3RX:**

Only Port 1 can be use as transmitting antenna  
Port 1, Port 2 and Port 3 can be used as receiving antennas.  
Port 1, Port 2 and Port 3 could receive simultaneously.

**For 2TX/3RX:**

Only Port 2 and Port 3 can be use as transmitting antenna  
Port 1, Port 2 and Port 3 can be used as receiving antennas.



Port 1, Port 2 and Port 3 could receive simultaneously.

**For 3TX/3RX:**

Port 1, Port 2 and Port 3 can be use as transmitting antenna

Port 1, Port 2 and Port 3 can be used as receiving antennas.

Port 1, Port 2 and Port 3 could transmit/receive simultaneously.

**<For Radio 3 / 2.4GHz + 5GHz Functions>**

Only Port 1 can be use as transmitting/receiving antenna.

**<For Radio 4 / Bluetooth Functions>**

Only Port 1 can be use as transmitting/receiving antenna.

**1.1.3 Mode Test Duty Cycle**

**For Radio 2**

| Mode              | DC    | DCF(dB) | T(s)           | VBW(Hz) ≥ 1/T  |
|-------------------|-------|---------|----------------|----------------|
| 802.11ac VHT20    | 0.987 | 0.057   | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ac VHT40    | 0.971 | 0.128   | 2.44m          | 1k             |
| 802.11ac VHT80    | 0.947 | 0.237   | 1.15m          | 1k             |
| 802.11ac VHT20-BF | 0.939 | 0.273   | 1.823m         | 1k             |
| 802.11ac VHT40-BF | 0.917 | 0.376   | 1.758m         | 1k             |
| 802.11ac VHT80-BF | 0.906 | 0.429   | 1.633m         | 1k             |

**For Radio 3**

| Mode           | DC    | DCF(dB) | T(s)   | VBW(Hz) ≥ 1/T |
|----------------|-------|---------|--------|---------------|
| 802.11a        | 0.956 | 0.195   | 2.049m | 1k            |
| 802.11ac VHT20 | 0.966 | 0.15    | 1.925m | 1k            |
| 802.11ac VHT40 | 0.929 | 0.32    | 947.5u | 3k            |
| 802.11ac VHT80 | 0.868 | 0.615   | 465u   | 3k            |

**1.1.4 EUT Operational Condition**

| EUT Power Type              | From Power Adapter or PoE           |   |   |
|-----------------------------|-------------------------------------|---|---|
| <b>Beamforming Function</b> | <input checked="" type="checkbox"/> | With beamforming for radio 1 and radio 2 802.11n/ac in 2.4GHz/5GHz. | <input type="checkbox"/> Without beamforming  |
| <b>Weather Band</b>         | <input checked="" type="checkbox"/> | With 5600~5650MHz   | <input type="checkbox"/> Without 5600~5650MHz |



### 1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v01r04
- FCC KDB 644545 D03 v01
- FCC KDB 662911 D01 v02r01

### 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.<br>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.<br>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       | Eddie Weng, Peter Wu, Gary Chu | 25°C / 56%       | Jul. 04, 2017 ~ Aug. 21, 2017 |
| Radiated       | 03CH01-CB     | Joy Tseng                      | 22°C / 54%       | Jun. 20, 2017 ~ Sep. 01, 2017 |
| AC Conduction  | CO01-CB       | Deven Huang                    | 23°C / 60%       | Jul. 13, 2017                 |

Test site Designation No. TW0006 with FCC  
Test site registered number IC 4086D with Industry Canada.



### 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 (150kHz ~ 30MHz)  | 3.2 dB                | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 3.6 dB                | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.7 dB                | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB                | Confidence levels of 95% |
| Conducted Emission                   | 1.7 dB                | Confidence levels of 95% |
| Output Power Measurement             | 1.33 dB               | Confidence levels of 95% |
| Power Density Measurement            | 1.27 dB               | Confidence levels of 95% |
| Bandwidth Measurement                | $9.74 \times 10^{-8}$ | Confidence levels of 95% |
| Frequency Stability                  | $6.06 \times 10^{-8}$ | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

For Radio 2

For Set 2 antennas / 1TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 20            |
| 5300MHz                        | 20            |
| 5320MHz                        | 20            |
| 5500MHz                        | 20.5          |
| 5580MHz                        | 20.5          |
| 5700MHz                        | 20.5          |
| 5720MHz Straddle 5.47-5.725GHz | 21.5          |
| 5720MHz Straddle 5.725-5.85GHz | 21.5          |
| 5745MHz                        | 20            |
| 5785MHz                        | 20            |
| 5825MHz                        | 20            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 20.5          |
| 5300MHz                        | 20.5          |
| 5320MHz                        | 20.5          |
| 5500MHz                        | 21            |
| 5580MHz                        | 21            |
| 5700MHz                        | 21            |
| 5720MHz Straddle 5.47-5.725GHz | 22            |
| 5720MHz Straddle 5.725-5.85GHz | 22            |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 19            |
| 5230MHz                        | 20.5          |
| 5270MHz                        | 20.5          |
| 5310MHz                        | 16            |
| 5510MHz                        | 20            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5550MHz                        | 21                   |
| 5670MHz                        | 20.5                 |
| 5710MHz Straddle 5.47-5.725GHz | 21                   |
| 5710MHz Straddle 5.725-5.85GHz | 21                   |
| 5755MHz                        | 21                   |
| 5795MHz                        | 21                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 19.5                 |
| 5290MHz                        | 13.5                 |
| 5530MHz                        | 20                   |
| 5610MHz                        | 21                   |
| 5690MHz Straddle 5.47-5.725GHz | 21                   |
| 5690MHz Straddle 5.725-5.85GHz | 21                   |
| 5775MHz                        | 21                   |





**For Set 2 antennas / 2TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_2TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 17.5          |
| 5300MHz                        | 17.5          |
| 5320MHz                        | 18            |
| 5500MHz                        | 17.5          |
| 5580MHz                        | 18            |
| 5700MHz                        | 18            |
| 5720MHz Straddle 5.47-5.725GHz | 18            |
| 5720MHz Straddle 5.725-5.85GHz | 18            |
| 5745MHz                        | 20            |
| 5785MHz                        | 20            |
| 5825MHz                        | 20            |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 18            |
| 5300MHz                        | 18            |
| 5320MHz                        | 18.5          |
| 5500MHz                        | 18            |
| 5580MHz                        | 18            |
| 5700MHz                        | 18.5          |
| 5720MHz Straddle 5.47-5.725GHz | 18.5          |
| 5720MHz Straddle 5.725-5.85GHz | 18.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 18.5          |
| 5230MHz                        | 19.5          |
| 5270MHz                        | 19.5          |
| 5310MHz                        | 15.5          |
| 5510MHz                        | 19.5          |
| 5550MHz                        | 19.5          |
| 5670MHz                        | 19.5          |
| 5710MHz Straddle 5.47-5.725GHz | 19.5          |
| 5710MHz Straddle 5.725-5.85GHz | 19.5          |
| 5755MHz                        | 19.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 19.5          |
| 802.11ac VHT80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 19            |
| 5290MHz                           | 13            |
| 5530MHz                           | 20            |
| 5610MHz                           | 20            |
| 5690MHz Straddle 5.47-5.725GHz    | 20            |
| 5690MHz Straddle 5.725-5.85GHz    | 20            |
| 5775MHz                           | 20            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 20            |
| 5200MHz                           | 20            |
| 5240MHz                           | 20            |
| 5260MHz                           | 17            |
| 5300MHz                           | 17            |
| 5320MHz                           | 17.5          |
| 5500MHz                           | 17.5          |
| 5580MHz                           | 18            |
| 5700MHz                           | 18            |
| 5720MHz Straddle 5.47-5.725GHz    | 17.5          |
| 5720MHz Straddle 5.725-5.85GHz    | 17.5          |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 18.5          |
| 5230MHz                           | 19.5          |
| 5270MHz                           | 17.5          |
| 5310MHz                           | 16            |
| 5510MHz                           | 17.5          |
| 5550MHz                           | 18            |
| 5670MHz                           | 18            |
| 5710MHz Straddle 5.47-5.725GHz    | 18            |
| 5710MHz Straddle 5.725-5.85GHz    | 18            |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -             |
| 5210MHz                           | 18.5          |
| 5290MHz                           | 14.5          |
| 5530MHz                           | 18            |
| 5610MHz                           | 18            |
| 5690MHz Straddle 5.47-5.725GHz    | 18.5          |



## FCC Test Report

Report No. : FR760613AC

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 18.5          |
| 5775MHz                        | 20            |



**For Set 2 antennas / 3TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_3TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 14            |
| 5300MHz                        | 14            |
| 5320MHz                        | 14            |
| 5500MHz                        | 14.5          |
| 5580MHz                        | 14.5          |
| 5700MHz                        | 14.5          |
| 5720MHz Straddle 5.47-5.725GHz | 14.5          |
| 5720MHz Straddle 5.725-5.85GHz | 14.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 14.5          |
| 5300MHz                        | 14.5          |
| 5320MHz                        | 15            |
| 5500MHz                        | 15            |
| 5580MHz                        | 15            |
| 5700MHz                        | 15            |
| 5720MHz Straddle 5.47-5.725GHz | 15            |
| 5720MHz Straddle 5.725-5.85GHz | 15            |
| 5745MHz                        | 21            |
| 5785MHz                        | 21            |
| 5825MHz                        | 21            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 18            |
| 5230MHz                        | 19.5          |
| 5270MHz                        | 16            |
| 5310MHz                        | 15.5          |
| 5510MHz                        | 16.5          |
| 5550MHz                        | 16.5          |
| 5670MHz                        | 16.5          |
| 5710MHz Straddle 5.47-5.725GHz | 16.5          |
| 5710MHz Straddle 5.725-5.85GHz | 16.5          |
| 5755MHz                        | 20            |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 20            |
| 802.11ac VHT80_Nss1,(MCS0)_3TX    | -             |
| 5210MHz                           | 16.5          |
| 5290MHz                           | 13            |
| 5530MHz                           | 18.5          |
| 5610MHz                           | 18.5          |
| 5690MHz Straddle 5.47-5.725GHz    | 18.5          |
| 5690MHz Straddle 5.725-5.85GHz    | 18.5          |
| 5775MHz                           | 20.5          |
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -             |
| 5180MHz                           | 19.5          |
| 5200MHz                           | 19.5          |
| 5240MHz                           | 19.5          |
| 5260MHz                           | 13.5          |
| 5300MHz                           | 13.5          |
| 5320MHz                           | 13.5          |
| 5500MHz                           | 14            |
| 5580MHz                           | 14            |
| 5700MHz                           | 14            |
| 5720MHz Straddle 5.47-5.725GHz    | 13.5          |
| 5720MHz Straddle 5.725-5.85GHz    | 13.5          |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -             |
| 5190MHz                           | 18            |
| 5230MHz                           | 19.5          |
| 5270MHz                           | 14            |
| 5310MHz                           | 13.5          |
| 5510MHz                           | 14            |
| 5550MHz                           | 14            |
| 5670MHz                           | 14            |
| 5710MHz Straddle 5.47-5.725GHz    | 14            |
| 5710MHz Straddle 5.725-5.85GHz    | 14            |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -             |
| 5210MHz                           | 16            |
| 5290MHz                           | 12            |
| 5530MHz                           | 14            |
| 5610MHz                           | 14            |
| 5690MHz Straddle 5.47-5.725GHz    | 14            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 14            |
| 5775MHz                        | 20            |



**For Set 3 antennas / 1TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 21            |
| 5200MHz                        | 21            |
| 5240MHz                        | 21            |
| 5260MHz                        | 19.5          |
| 5300MHz                        | 19.5          |
| 5320MHz                        | 19.5          |
| 5500MHz                        | 19.5          |
| 5580MHz                        | 20            |
| 5700MHz                        | 20            |
| 5720MHz Straddle 5.47-5.725GHz | 20            |
| 5720MHz Straddle 5.725-5.85GHz | 20            |
| 5745MHz                        | 21            |
| 5785MHz                        | 26            |
| 5825MHz                        | 21            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 21            |
| 5200MHz                        | 21            |
| 5240MHz                        | 21            |
| 5260MHz                        | 20            |
| 5300MHz                        | 20            |
| 5320MHz                        | 20            |
| 5500MHz                        | 20            |
| 5580MHz                        | 20.5          |
| 5700MHz                        | 20.5          |
| 5720MHz Straddle 5.47-5.725GHz | 20.5          |
| 5720MHz Straddle 5.725-5.85GHz | 20.5          |
| 5745MHz                        | 21.5          |
| 5785MHz                        | 21.5          |
| 5825MHz                        | 21.5          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 19            |
| 5230MHz                        | 20            |
| 5270MHz                        | 19            |
| 5310MHz                        | 19            |
| 5510MHz                        | 19            |
| 5550MHz                        | 19            |
| 5670MHz                        | 19.5          |
| 5710MHz Straddle 5.47-5.725GHz | 19.5          |
| 5710MHz Straddle 5.725-5.85GHz | 19.5          |
| 5755MHz                        | 20.5          |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 20.5                 |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 19.5                 |
| 5290MHz                        | 16                   |
| 5530MHz                        | 19                   |
| 5610MHz                        | 20                   |
| 5690MHz Straddle 5.47-5.725GHz | 20                   |
| 5690MHz Straddle 5.725-5.85GHz | 20                   |
| 5775MHz                        | 21.5                 |





For Harmonic

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 30            |
| 5230MHz                        | 30            |
| 5270MHz                        | 30            |
| 5310MHz                        | 30            |
| 5510MHz                        | 30            |
| 5550MHz                        | 30            |
| 5670MHz                        | 30            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 30            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5795MHz                        | 30            |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -             |
| 5210MHz                        | 30            |
| 5290MHz                        | 30            |
| 5530MHz                        | 30            |
| 5610MHz                        | 30            |
| 5690MHz Straddle 5.47-5.725GHz | 30            |
| 5690MHz Straddle 5.725-5.85GHz | 30            |
| 5775MHz                        | 30            |



**For Set 3 antennas / 2TX:**

| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 802.11a_(6Mbps)_2TX            | -                    |
| 5180MHz                        | 21                   |
| 5200MHz                        | 21                   |
| 5240MHz                        | 21                   |
| 5260MHz                        | 15                   |
| 5300MHz                        | 15                   |
| 5320MHz                        | 15.5                 |
| 5500MHz                        | 16                   |
| 5580MHz                        | 16                   |
| 5700MHz                        | 16                   |
| 5720MHz Straddle 5.47-5.725GHz | 15.5                 |
| 5720MHz Straddle 5.725-5.85GHz | 15.5                 |
| 5745MHz                        | 21                   |
| 5785MHz                        | 21                   |
| 5825MHz                        | 21                   |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -                    |
| 5180MHz                        | 21.5                 |
| 5200MHz                        | 21.5                 |
| 5240MHz                        | 21.5                 |
| 5260MHz                        | 15.5                 |
| 5300MHz                        | 15.5                 |
| 5320MHz                        | 15.5                 |
| 5500MHz                        | 16.5                 |
| 5580MHz                        | 16.5                 |
| 5700MHz                        | 16.5                 |
| 5720MHz Straddle 5.47-5.725GHz | 16.5                 |
| 5720MHz Straddle 5.725-5.85GHz | 16.5                 |
| 5745MHz                        | 21.5                 |
| 5785MHz                        | 21.5                 |
| 5825MHz                        | 21.5                 |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -                    |
| 5190MHz                        | 17.5                 |
| 5230MHz                        | 20.5                 |
| 5270MHz                        | 16                   |
| 5310MHz                        | 14                   |
| 5510MHz                        | 16                   |
| 5550MHz                        | 16                   |
| 5670MHz                        | 16                   |
| 5710MHz Straddle 5.47-5.725GHz | 16.5                 |
| 5710MHz Straddle 5.725-5.85GHz | 16.5                 |
| 5755MHz                        | 20.5                 |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 20.5          |
| 802.11ac VHT80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 15.5          |
| 5290MHz                           | 12            |
| 5530MHz                           | 15            |
| 5610MHz                           | 17            |
| 5690MHz Straddle 5.47-5.725GHz    | 17            |
| 5690MHz Straddle 5.725-5.85GHz    | 17            |
| 5775MHz                           | 20.5          |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 20            |
| 5200MHz                           | 20            |
| 5240MHz                           | 20            |
| 5260MHz                           | 15            |
| 5300MHz                           | 14.5          |
| 5320MHz                           | 14.5          |
| 5500MHz                           | 15            |
| 5580MHz                           | 15            |
| 5700MHz                           | 15            |
| 5720MHz Straddle 5.47-5.725GHz    | 15            |
| 5720MHz Straddle 5.725-5.85GHz    | 15            |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 17            |
| 5230MHz                           | 19.5          |
| 5270MHz                           | 14            |
| 5310MHz                           | 14            |
| 5510MHz                           | 14.5          |
| 5550MHz                           | 14.5          |
| 5670MHz                           | 14.5          |
| 5710MHz Straddle 5.47-5.725GHz    | 15            |
| 5710MHz Straddle 5.725-5.85GHz    | 15            |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -             |
| 5210MHz                           | 16.5          |
| 5290MHz                           | 12.5          |
| 5530MHz                           | 15            |
| 5610MHz                           | 15            |
| 5690MHz Straddle 5.47-5.725GHz    | 15            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 15            |
| 5775MHz                        | 20            |



For Harmonic

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_2TX            | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 30            |
| 5230MHz                        | 30            |
| 5270MHz                        | 30            |
| 5310MHz                        | 30            |
| 5510MHz                        | 30            |
| 5550MHz                        | 30            |
| 5670MHz                        | 30            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 30            |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 30            |
| 802.11ac VHT80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 30            |
| 5290MHz                           | 30            |
| 5530MHz                           | 30            |
| 5610MHz                           | 30            |
| 5690MHz Straddle 5.47-5.725GHz    | 30            |
| 5690MHz Straddle 5.725-5.85GHz    | 30            |
| 5775MHz                           | 30            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 22            |
| 5200MHz                           | 22            |
| 5240MHz                           | 22            |
| 5260MHz                           | 22            |
| 5300MHz                           | 22            |
| 5320MHz                           | 22            |
| 5500MHz                           | 22            |
| 5580MHz                           | 22            |
| 5700MHz                           | 22            |
| 5720MHz Straddle 5.47-5.725GHz    | 22            |
| 5720MHz Straddle 5.725-5.85GHz    | 22            |
| 5745MHz                           | 22            |
| 5785MHz                           | 22            |
| 5825MHz                           | 22            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 22            |
| 5230MHz                           | 22            |
| 5270MHz                           | 22            |
| 5310MHz                           | 22            |
| 5510MHz                           | 22            |
| 5550MHz                           | 22            |
| 5670MHz                           | 22            |
| 5710MHz Straddle 5.47-5.725GHz    | 22            |
| 5710MHz Straddle 5.725-5.85GHz    | 22            |
| 5755MHz                           | 22            |
| 5795MHz                           | 22            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -             |
| 5210MHz                           | 22            |
| 5290MHz                           | 22            |
| 5530MHz                           | 22            |
| 5610MHz                           | 22            |
| 5690MHz Straddle 5.47-5.725GHz    | 22            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 22            |
| 5775MHz                        | 22            |





**For Set 3 antennas / 3TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_3TX            | -             |
| 5180MHz                        | 17            |
| 5200MHz                        | 16.5          |
| 5240MHz                        | 16.5          |
| 5260MHz                        | 10.5          |
| 5300MHz                        | 10.5          |
| 5320MHz                        | 10.5          |
| 5500MHz                        | 11.5          |
| 5580MHz                        | 11.5          |
| 5700MHz                        | 11.5          |
| 5720MHz Straddle 5.47-5.725GHz | 11.5          |
| 5720MHz Straddle 5.725-5.85GHz | 11.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 18            |
| 5200MHz                        | 18            |
| 5240MHz                        | 17.5          |
| 5260MHz                        | 11            |
| 5300MHz                        | 11            |
| 5320MHz                        | 11            |
| 5500MHz                        | 12            |
| 5580MHz                        | 12            |
| 5700MHz                        | 12            |
| 5720MHz Straddle 5.47-5.725GHz | 12            |
| 5720MHz Straddle 5.725-5.85GHz | 12            |
| 5745MHz                        | 21            |
| 5785MHz                        | 21            |
| 5825MHz                        | 21            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 17.5          |
| 5230MHz                        | 18.5          |
| 5270MHz                        | 12.5          |
| 5310MHz                        | 12.5          |
| 5510MHz                        | 13.5          |
| 5550MHz                        | 13.5          |
| 5670MHz                        | 13.5          |
| 5710MHz Straddle 5.47-5.725GHz | 13.5          |
| 5710MHz Straddle 5.725-5.85GHz | 13.5          |
| 5755MHz                        | 20            |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 20            |
| 802.11ac VHT80_Nss1,(MCS0)_3TX    | -             |
| 5210MHz                           | 15            |
| 5290MHz                           | 11            |
| 5530MHz                           | 14.5          |
| 5610MHz                           | 15.5          |
| 5690MHz Straddle 5.47-5.725GHz    | 15.5          |
| 5690MHz Straddle 5.725-5.85GHz    | 15.5          |
| 5775MHz                           | 19            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -             |
| 5180MHz                           | 16.5          |
| 5200MHz                           | 16.5          |
| 5240MHz                           | 16.5          |
| 5260MHz                           | 10.5          |
| 5300MHz                           | 10.5          |
| 5320MHz                           | 10.5          |
| 5500MHz                           | 10.5          |
| 5580MHz                           | 11            |
| 5700MHz                           | 11            |
| 5720MHz Straddle 5.47-5.725GHz    | 11            |
| 5720MHz Straddle 5.725-5.85GHz    | 11            |
| 5745MHz                           | 17            |
| 5785MHz                           | 17            |
| 5825MHz                           | 17            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -             |
| 5190MHz                           | 15.5          |
| 5230MHz                           | 15.5          |
| 5270MHz                           | 10            |
| 5310MHz                           | 10            |
| 5510MHz                           | 10            |
| 5550MHz                           | 10            |
| 5670MHz                           | 10.5          |
| 5710MHz Straddle 5.47-5.725GHz    | 10.5          |
| 5710MHz Straddle 5.725-5.85GHz    | 10.5          |
| 5755MHz                           | 16.5          |
| 5795MHz                           | 16            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -             |
| 5210MHz                           | 16            |
| 5290MHz                           | 10.5          |
| 5530MHz                           | 10.5          |
| 5610MHz                           | 10.5          |
| 5690MHz Straddle 5.47-5.725GHz    | 10.5          |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 10.5          |
| 5775MHz                        | 16.5          |



For Harmonic

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_3TX            | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 30            |
| 5230MHz                        | 30            |
| 5270MHz                        | 30            |
| 5310MHz                        | 30            |
| 5510MHz                        | 30            |
| 5550MHz                        | 30            |
| 5670MHz                        | 30            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 30            |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 30            |
| 802.11ac VHT80_Nss1,(MCS0)_3TX    | -             |
| 5210MHz                           | 30            |
| 5290MHz                           | 30            |
| 5530MHz                           | 30            |
| 5610MHz                           | 30            |
| 5690MHz Straddle 5.47-5.725GHz    | 30            |
| 5690MHz Straddle 5.725-5.85GHz    | 30            |
| 5775MHz                           | 30            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -             |
| 5180MHz                           | 22            |
| 5200MHz                           | 22            |
| 5240MHz                           | 22            |
| 5260MHz                           | 22            |
| 5300MHz                           | 22            |
| 5320MHz                           | 22            |
| 5500MHz                           | 22            |
| 5580MHz                           | 22            |
| 5700MHz                           | 22            |
| 5720MHz Straddle 5.47-5.725GHz    | 22            |
| 5720MHz Straddle 5.725-5.85GHz    | 22            |
| 5745MHz                           | 22            |
| 5785MHz                           | 22            |
| 5825MHz                           | 22            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -             |
| 5190MHz                           | 22            |
| 5230MHz                           | 22            |
| 5270MHz                           | 22            |
| 5310MHz                           | 22            |
| 5510MHz                           | 22            |
| 5550MHz                           | 22            |
| 5670MHz                           | 22            |
| 5710MHz Straddle 5.47-5.725GHz    | 22            |
| 5710MHz Straddle 5.725-5.85GHz    | 22            |
| 5755MHz                           | 22            |
| 5795MHz                           | 22            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -             |
| 5210MHz                           | 22            |
| 5290MHz                           | 22            |
| 5530MHz                           | 22            |
| 5610MHz                           | 22            |
| 5690MHz Straddle 5.47-5.725GHz    | 22            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 22            |
| 5775MHz                        | 22            |



For Set 4 antennas / 1TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 21            |
| 5200MHz                        | 21            |
| 5240MHz                        | 21            |
| 5260MHz                        | 21            |
| 5300MHz                        | 21            |
| 5320MHz                        | 20.5          |
| 5500MHz                        | 21.5          |
| 5580MHz                        | 21.5          |
| 5700MHz                        | 21            |
| 5720MHz Straddle 5.47-5.725GHz | 22            |
| 5720MHz Straddle 5.725-5.85GHz | 22            |
| 5745MHz                        | 21            |
| 5785MHz                        | 21            |
| 5825MHz                        | 21            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 21            |
| 5200MHz                        | 21            |
| 5240MHz                        | 21            |
| 5260MHz                        | 21.5          |
| 5300MHz                        | 21.5          |
| 5320MHz                        | 21            |
| 5500MHz                        | 21.5          |
| 5580MHz                        | 21.5          |
| 5700MHz                        | 21.5          |
| 5720MHz Straddle 5.47-5.725GHz | 21.5          |
| 5720MHz Straddle 5.725-5.85GHz | 21.5          |
| 5745MHz                        | 21.5          |
| 5785MHz                        | 21.5          |
| 5825MHz                        | 21.5          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 20            |
| 5230MHz                        | 20            |
| 5270MHz                        | 20            |
| 5310MHz                        | 18            |
| 5510MHz                        | 19.5          |
| 5550MHz                        | 20.5          |
| 5670MHz                        | 20.5          |
| 5710MHz Straddle 5.47-5.725GHz | 20.5          |
| 5710MHz Straddle 5.725-5.85GHz | 20.5          |
| 5755MHz                        | 20.5          |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 20.5                 |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 20                   |
| 5290MHz                        | 16                   |
| 5530MHz                        | 19.5                 |
| 5610MHz                        | 21                   |
| 5690MHz Straddle 5.47-5.725GHz | 21                   |
| 5690MHz Straddle 5.725-5.85GHz | 21                   |
| 5775MHz                        | 21.5                 |





For Set 4 antennas / 2TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_2TX            | -             |
| 5180MHz                        | 21            |
| 5200MHz                        | 21            |
| 5240MHz                        | 21            |
| 5260MHz                        | 17            |
| 5300MHz                        | 17            |
| 5320MHz                        | 17            |
| 5500MHz                        | 18            |
| 5580MHz                        | 18            |
| 5700MHz                        | 17.5          |
| 5720MHz Straddle 5.47-5.725GHz | 17.5          |
| 5720MHz Straddle 5.725-5.85GHz | 17.5          |
| 5745MHz                        | 21            |
| 5785MHz                        | 21            |
| 5825MHz                        | 21            |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 21.5          |
| 5200MHz                        | 21.5          |
| 5240MHz                        | 21.5          |
| 5260MHz                        | 17.5          |
| 5300MHz                        | 17            |
| 5320MHz                        | 17.5          |
| 5500MHz                        | 18.5          |
| 5580MHz                        | 18.5          |
| 5700MHz                        | 18            |
| 5720MHz Straddle 5.47-5.725GHz | 18.5          |
| 5720MHz Straddle 5.725-5.85GHz | 18.5          |
| 5745MHz                        | 21.5          |
| 5785MHz                        | 21.5          |
| 5825MHz                        | 21.5          |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 19.5          |
| 5230MHz                        | 20.5          |
| 5270MHz                        | 19            |
| 5310MHz                        | 16            |
| 5510MHz                        | 19            |
| 5550MHz                        | 20            |
| 5670MHz                        | 19            |
| 5710MHz Straddle 5.47-5.725GHz | 19.5          |
| 5710MHz Straddle 5.725-5.85GHz | 19.5          |
| 5755MHz                        | 20.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 20.5          |
| 802.11ac VHT80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 19.5          |
| 5290MHz                           | 15            |
| 5530MHz                           | 18.5          |
| 5610MHz                           | 19.5          |
| 5690MHz Straddle 5.47-5.725GHz    | 20.5          |
| 5690MHz Straddle 5.725-5.85GHz    | 20.5          |
| 5775MHz                           | 21            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 20            |
| 5200MHz                           | 20            |
| 5240MHz                           | 20            |
| 5260MHz                           | 16.5          |
| 5300MHz                           | 16.5          |
| 5320MHz                           | 16.5          |
| 5500MHz                           | 17            |
| 5580MHz                           | 17            |
| 5700MHz                           | 17            |
| 5720MHz Straddle 5.47-5.725GHz    | 17            |
| 5720MHz Straddle 5.725-5.85GHz    | 17            |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 19.5          |
| 5230MHz                           | 19.5          |
| 5270MHz                           | 16            |
| 5310MHz                           | 15.5          |
| 5510MHz                           | 16.5          |
| 5550MHz                           | 16.5          |
| 5670MHz                           | 16.5          |
| 5710MHz Straddle 5.47-5.725GHz    | 16.5          |
| 5710MHz Straddle 5.725-5.85GHz    | 16.5          |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -             |
| 5210MHz                           | 19.5          |
| 5290MHz                           | 13.5          |
| 5530MHz                           | 17            |
| 5610MHz                           | 17            |
| 5690MHz Straddle 5.47-5.725GHz    | 17            |



**FCC Test Report**

**Report No. : FR760613AC**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 17            |
| 5775MHz                        | 20            |



For Set 4 antennas / 3TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_3TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 14            |
| 5300MHz                        | 14            |
| 5320MHz                        | 14            |
| 5500MHz                        | 14.5          |
| 5580MHz                        | 14.5          |
| 5700MHz                        | 14.5          |
| 5720MHz Straddle 5.47-5.725GHz | 14.5          |
| 5720MHz Straddle 5.725-5.85GHz | 14.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 14.5          |
| 5300MHz                        | 14.5          |
| 5320MHz                        | 15            |
| 5500MHz                        | 15            |
| 5580MHz                        | 15            |
| 5700MHz                        | 15            |
| 5720MHz Straddle 5.47-5.725GHz | 15            |
| 5720MHz Straddle 5.725-5.85GHz | 15            |
| 5745MHz                        | 21            |
| 5785MHz                        | 21            |
| 5825MHz                        | 21            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 19.5          |
| 5230MHz                        | 19.5          |
| 5270MHz                        | 16            |
| 5310MHz                        | 16            |
| 5510MHz                        | 16.5          |
| 5550MHz                        | 16.5          |
| 5670MHz                        | 16.5          |
| 5710MHz Straddle 5.47-5.725GHz | 16.5          |
| 5710MHz Straddle 5.725-5.85GHz | 16.5          |
| 5755MHz                        | 20            |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 20            |
| 802.11ac VHT80_Nss1,(MCS0)_3TX    | -             |
| 5210MHz                           | 18.5          |
| 5290MHz                           | 13            |
| 5530MHz                           | 17            |
| 5610MHz                           | 18.5          |
| 5690MHz Straddle 5.47-5.725GHz    | 18.5          |
| 5690MHz Straddle 5.725-5.85GHz    | 18.5          |
| 5775MHz                           | 20.5          |
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -             |
| 5180MHz                           | 19.5          |
| 5200MHz                           | 20            |
| 5240MHz                           | 19.5          |
| 5260MHz                           | 13.5          |
| 5300MHz                           | 14            |
| 5320MHz                           | 14            |
| 5500MHz                           | 14            |
| 5580MHz                           | 13.5          |
| 5700MHz                           | 14            |
| 5720MHz Straddle 5.47-5.725GHz    | 13.5          |
| 5720MHz Straddle 5.725-5.85GHz    | 13.5          |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -             |
| 5190MHz                           | 19            |
| 5230MHz                           | 20            |
| 5270MHz                           | 13.5          |
| 5310MHz                           | 14            |
| 5510MHz                           | 14            |
| 5550MHz                           | 14            |
| 5670MHz                           | 14            |
| 5710MHz Straddle 5.47-5.725GHz    | 14            |
| 5710MHz Straddle 5.725-5.85GHz    | 14            |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -             |
| 5210MHz                           | 18.5          |
| 5290MHz                           | 13.5          |
| 5530MHz                           | 14            |
| 5610MHz                           | 14            |
| 5690MHz Straddle 5.47-5.725GHz    | 14            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 14            |
| 5775MHz                        | 20            |



For Set 5 antennas / 1TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 20            |
| 5300MHz                        | 20            |
| 5320MHz                        | 20            |
| 5500MHz                        | 20.5          |
| 5580MHz                        | 20.5          |
| 5700MHz                        | 20.5          |
| 5720MHz Straddle 5.47-5.725GHz | 21.5          |
| 5720MHz Straddle 5.725-5.85GHz | 21.5          |
| 5745MHz                        | 20            |
| 5785MHz                        | 20            |
| 5825MHz                        | 20            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 20.5          |
| 5300MHz                        | 20.5          |
| 5320MHz                        | 20.5          |
| 5500MHz                        | 21            |
| 5580MHz                        | 21            |
| 5700MHz                        | 21            |
| 5720MHz Straddle 5.47-5.725GHz | 22            |
| 5720MHz Straddle 5.725-5.85GHz | 22            |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 19.5          |
| 5230MHz                        | 20.5          |
| 5270MHz                        | 20.5          |
| 5310MHz                        | 18            |
| 5510MHz                        | 20            |
| 5550MHz                        | 21            |
| 5670MHz                        | 20            |
| 5710MHz Straddle 5.47-5.725GHz | 21            |
| 5710MHz Straddle 5.725-5.85GHz | 21            |
| 5755MHz                        | 21            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 21                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 20                   |
| 5290MHz                        | 17                   |
| 5530MHz                        | 20                   |
| 5610MHz                        | 21                   |
| 5690MHz Straddle 5.47-5.725GHz | 21                   |
| 5690MHz Straddle 5.725-5.85GHz | 21                   |
| 5775MHz                        | 21                   |





**For Set 5 antennas / 2TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_2TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 20            |
| 5300MHz                        | 20            |
| 5320MHz                        | 20            |
| 5500MHz                        | 20            |
| 5580MHz                        | 20            |
| 5700MHz                        | 20            |
| 5720MHz Straddle 5.47-5.725GHz | 20            |
| 5720MHz Straddle 5.725-5.85GHz | 20            |
| 5745MHz                        | 20            |
| 5785MHz                        | 20            |
| 5825MHz                        | 20            |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 20.5          |
| 5300MHz                        | 20.5          |
| 5320MHz                        | 20.5          |
| 5500MHz                        | 20.5          |
| 5580MHz                        | 20.5          |
| 5700MHz                        | 20.5          |
| 5720MHz Straddle 5.47-5.725GHz | 20.5          |
| 5720MHz Straddle 5.725-5.85GHz | 20.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 19            |
| 5230MHz                        | 19.5          |
| 5270MHz                        | 19.5          |
| 5310MHz                        | 14.5          |
| 5510MHz                        | 19.5          |
| 5550MHz                        | 19.5          |
| 5670MHz                        | 19.5          |
| 5710MHz Straddle 5.47-5.725GHz | 19.5          |
| 5710MHz Straddle 5.725-5.85GHz | 19.5          |
| 5755MHz                        | 19.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 19.5          |
| 802.11ac VHT80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 19            |
| 5290MHz                           | 14            |
| 5530MHz                           | 18            |
| 5610MHz                           | 20            |
| 5690MHz Straddle 5.47-5.725GHz    | 20            |
| 5690MHz Straddle 5.725-5.85GHz    | 20            |
| 5775MHz                           | 20            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 20            |
| 5200MHz                           | 20            |
| 5240MHz                           | 20            |
| 5260MHz                           | 17.5          |
| 5300MHz                           | 17.5          |
| 5320MHz                           | 18            |
| 5500MHz                           | 18.5          |
| 5580MHz                           | 18.5          |
| 5700MHz                           | 18            |
| 5720MHz Straddle 5.47-5.725GHz    | 18            |
| 5720MHz Straddle 5.725-5.85GHz    | 18            |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 19.5          |
| 5230MHz                           | 19.5          |
| 5270MHz                           | 19            |
| 5310MHz                           | 16.5          |
| 5510MHz                           | 19            |
| 5550MHz                           | 19.5          |
| 5670MHz                           | 19.5          |
| 5710MHz Straddle 5.47-5.725GHz    | 19.5          |
| 5710MHz Straddle 5.725-5.85GHz    | 19.5          |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -             |
| 5210MHz                           | 19.5          |
| 5290MHz                           | 15            |
| 5530MHz                           | 19            |
| 5610MHz                           | 20            |
| 5690MHz Straddle 5.47-5.725GHz    | 19.5          |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 19.5          |
| 5775MHz                        | 20            |



For Set 5antennas / 3TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_3TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 18            |
| 5300MHz                        | 18            |
| 5320MHz                        | 18            |
| 5500MHz                        | 18            |
| 5580MHz                        | 18.5          |
| 5700MHz                        | 18.5          |
| 5720MHz Straddle 5.47-5.725GHz | 18            |
| 5720MHz Straddle 5.725-5.85GHz | 18            |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 18.5          |
| 5300MHz                        | 18.5          |
| 5320MHz                        | 18.5          |
| 5500MHz                        | 18.5          |
| 5580MHz                        | 19            |
| 5700MHz                        | 18.5          |
| 5720MHz Straddle 5.47-5.725GHz | 18.5          |
| 5720MHz Straddle 5.725-5.85GHz | 18.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 17.5          |
| 5230MHz                        | 19.5          |
| 5270MHz                        | 17.5          |
| 5310MHz                        | 13            |
| 5510MHz                        | 17.5          |
| 5550MHz                        | 17.5          |
| 5670MHz                        | 17.5          |
| 5710MHz Straddle 5.47-5.725GHz | 18            |
| 5710MHz Straddle 5.725-5.85GHz | 18            |
| 5755MHz                        | 19.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 19.5          |
| 802.11ac VHT80_Nss1,(MCS0)_3TX    | -             |
| 5210MHz                           | 16            |
| 5290MHz                           | 12            |
| 5530MHz                           | 17            |
| 5610MHz                           | 18            |
| 5690MHz Straddle 5.47-5.725GHz    | 18            |
| 5690MHz Straddle 5.725-5.85GHz    | 18            |
| 5775MHz                           | 20            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -             |
| 5180MHz                           | 20            |
| 5200MHz                           | 20            |
| 5240MHz                           | 20            |
| 5260MHz                           | 18.5          |
| 5300MHz                           | 18.5          |
| 5320MHz                           | 18.5          |
| 5500MHz                           | 18.5          |
| 5580MHz                           | 18.5          |
| 5700MHz                           | 18.5          |
| 5720MHz Straddle 5.47-5.725GHz    | 18            |
| 5720MHz Straddle 5.725-5.85GHz    | 18            |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -             |
| 5190MHz                           | 18.5          |
| 5230MHz                           | 20            |
| 5270MHz                           | 18            |
| 5310MHz                           | 15            |
| 5510MHz                           | 18            |
| 5550MHz                           | 18            |
| 5670MHz                           | 18            |
| 5710MHz Straddle 5.47-5.725GHz    | 18            |
| 5710MHz Straddle 5.725-5.85GHz    | 18            |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -             |
| 5210MHz                           | 18.5          |
| 5290MHz                           | 12            |
| 5530MHz                           | 17            |
| 5610MHz                           | 18            |
| 5690MHz Straddle 5.47-5.725GHz    | 18            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 18            |
| 5775MHz                        | 20            |



For Set 6 antennas / 1TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 20            |
| 5300MHz                        | 20            |
| 5320MHz                        | 20            |
| 5500MHz                        | 20.5          |
| 5580MHz                        | 20.5          |
| 5700MHz                        | 20.5          |
| 5720MHz Straddle 5.47-5.725GHz | 21.5          |
| 5720MHz Straddle 5.725-5.85GHz | 21.5          |
| 5745MHz                        | 20            |
| 5785MHz                        | 20            |
| 5825MHz                        | 20            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 20.5          |
| 5300MHz                        | 20.5          |
| 5320MHz                        | 20.5          |
| 5500MHz                        | 21            |
| 5580MHz                        | 21            |
| 5700MHz                        | 21            |
| 5720MHz Straddle 5.47-5.725GHz | 22            |
| 5720MHz Straddle 5.725-5.85GHz | 22            |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 20            |
| 5230MHz                        | 20.5          |
| 5270MHz                        | 20.5          |
| 5310MHz                        | 19            |
| 5510MHz                        | 20.5          |
| 5550MHz                        | 21            |
| 5670MHz                        | 21            |
| 5710MHz Straddle 5.47-5.725GHz | 21            |
| 5710MHz Straddle 5.725-5.85GHz | 21            |
| 5755MHz                        | 21            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 21                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 20.5                 |
| 5290MHz                        | 20.5                 |
| 5530MHz                        | 21                   |
| 5610MHz                        | 21                   |
| 5690MHz Straddle 5.47-5.725GHz | 21                   |
| 5690MHz Straddle 5.725-5.85GHz | 21                   |
| 5775MHz                        | 21                   |





For Harmonic

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 30            |
| 5230MHz                        | 30            |
| 5270MHz                        | 30            |
| 5310MHz                        | 30            |
| 5510MHz                        | 30            |
| 5550MHz                        | 30            |
| 5670MHz                        | 30            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 30            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 30                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 30                   |
| 5290MHz                        | 30                   |
| 5530MHz                        | 30                   |
| 5610MHz                        | 30                   |
| 5690MHz Straddle 5.47-5.725GHz | 30                   |
| 5690MHz Straddle 5.725-5.85GHz | 30                   |
| 5775MHz                        | 30                   |



**For Set 6 antennas / 2TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_2TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 20            |
| 5300MHz                        | 20            |
| 5320MHz                        | 20            |
| 5500MHz                        | 20            |
| 5580MHz                        | 20            |
| 5700MHz                        | 20            |
| 5720MHz Straddle 5.47-5.725GHz | 20            |
| 5720MHz Straddle 5.725-5.85GHz | 20            |
| 5745MHz                        | 20            |
| 5785MHz                        | 20            |
| 5825MHz                        | 20            |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 20.5          |
| 5300MHz                        | 20.5          |
| 5320MHz                        | 20.5          |
| 5500MHz                        | 20.5          |
| 5580MHz                        | 20.5          |
| 5700MHz                        | 20.5          |
| 5720MHz Straddle 5.47-5.725GHz | 20.5          |
| 5720MHz Straddle 5.725-5.85GHz | 20.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 19.5          |
| 5230MHz                        | 19.5          |
| 5270MHz                        | 19.5          |
| 5310MHz                        | 17            |
| 5510MHz                        | 19.5          |
| 5550MHz                        | 19.5          |
| 5670MHz                        | 19.5          |
| 5710MHz Straddle 5.47-5.725GHz | 19.5          |
| 5710MHz Straddle 5.725-5.85GHz | 19.5          |
| 5755MHz                        | 19.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 19.5          |
| 802.11ac VHT80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 19.5          |
| 5290MHz                           | 15            |
| 5530MHz                           | 20            |
| 5610MHz                           | 20            |
| 5690MHz Straddle 5.47-5.725GHz    | 20            |
| 5690MHz Straddle 5.725-5.85GHz    | 20            |
| 5775MHz                           | 20            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 20            |
| 5200MHz                           | 20            |
| 5240MHz                           | 20            |
| 5260MHz                           | 17.5          |
| 5300MHz                           | 17.5          |
| 5320MHz                           | 18            |
| 5500MHz                           | 18.5          |
| 5580MHz                           | 18.5          |
| 5700MHz                           | 18            |
| 5720MHz Straddle 5.47-5.725GHz    | 18            |
| 5720MHz Straddle 5.725-5.85GHz    | 18            |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 19            |
| 5230MHz                           | 19.5          |
| 5270MHz                           | 19            |
| 5310MHz                           | 19            |
| 5510MHz                           | 18.5          |
| 5550MHz                           | 19.5          |
| 5670MHz                           | 19.5          |
| 5710MHz Straddle 5.47-5.725GHz    | 19.5          |
| 5710MHz Straddle 5.725-5.85GHz    | 19.5          |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -             |
| 5210MHz                           | 20            |
| 5290MHz                           | 14.5          |
| 5530MHz                           | 19.5          |
| 5610MHz                           | 20            |
| 5690MHz Straddle 5.47-5.725GHz    | 19.5          |



**FCC Test Report**

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| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 19.5          |
| 5775MHz                        | 20            |



For Harmonic

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_2TX            | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 30            |
| 5230MHz                        | 30            |
| 5270MHz                        | 30            |
| 5310MHz                        | 30            |
| 5510MHz                        | 30            |
| 5550MHz                        | 30            |
| 5670MHz                        | 30            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 30            |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 30            |
| 802.11ac VHT80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 30            |
| 5290MHz                           | 30            |
| 5530MHz                           | 30            |
| 5610MHz                           | 30            |
| 5690MHz Straddle 5.47-5.725GHz    | 30            |
| 5690MHz Straddle 5.725-5.85GHz    | 30            |
| 5775MHz                           | 30            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 22            |
| 5200MHz                           | 22            |
| 5240MHz                           | 22            |
| 5260MHz                           | 22            |
| 5300MHz                           | 22            |
| 5320MHz                           | 22            |
| 5500MHz                           | 22            |
| 5580MHz                           | 22            |
| 5700MHz                           | 22            |
| 5720MHz Straddle 5.47-5.725GHz    | 22            |
| 5720MHz Straddle 5.725-5.85GHz    | 22            |
| 5745MHz                           | 22            |
| 5785MHz                           | 22            |
| 5825MHz                           | 22            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 22            |
| 5230MHz                           | 22            |
| 5270MHz                           | 22            |
| 5310MHz                           | 22            |
| 5510MHz                           | 22            |
| 5550MHz                           | 22            |
| 5670MHz                           | 22            |
| 5710MHz Straddle 5.47-5.725GHz    | 22            |
| 5710MHz Straddle 5.725-5.85GHz    | 22            |
| 5755MHz                           | 22            |
| 5795MHz                           | 22            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -             |
| 5210MHz                           | 22            |
| 5290MHz                           | 22            |
| 5530MHz                           | 22            |
| 5610MHz                           | 22            |
| 5690MHz Straddle 5.47-5.725GHz    | 22            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 22            |
| 5775MHz                        | 22            |





**For Set 6 antennas / 3TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_3TX            | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 20            |
| 5240MHz                        | 20            |
| 5260MHz                        | 18            |
| 5300MHz                        | 18            |
| 5320MHz                        | 18            |
| 5500MHz                        | 18            |
| 5580MHz                        | 18.5          |
| 5700MHz                        | 18.5          |
| 5720MHz Straddle 5.47-5.725GHz | 18            |
| 5720MHz Straddle 5.725-5.85GHz | 18            |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 20.5          |
| 5200MHz                        | 20.5          |
| 5240MHz                        | 20.5          |
| 5260MHz                        | 18.5          |
| 5300MHz                        | 18.5          |
| 5320MHz                        | 18.5          |
| 5500MHz                        | 18.5          |
| 5580MHz                        | 19            |
| 5700MHz                        | 18.5          |
| 5720MHz Straddle 5.47-5.725GHz | 18.5          |
| 5720MHz Straddle 5.725-5.85GHz | 18.5          |
| 5745MHz                        | 20.5          |
| 5785MHz                        | 20.5          |
| 5825MHz                        | 20.5          |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 18.5          |
| 5230MHz                        | 19.5          |
| 5270MHz                        | 17.5          |
| 5310MHz                        | 15            |
| 5510MHz                        | 17.5          |
| 5550MHz                        | 17.5          |
| 5670MHz                        | 17.5          |
| 5710MHz Straddle 5.47-5.725GHz | 18            |
| 5710MHz Straddle 5.725-5.85GHz | 18            |
| 5755MHz                        | 19.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 19.5          |
| 802.11ac VHT80_Nss1,(MCS0)_3TX    | -             |
| 5210MHz                           | 19            |
| 5290MHz                           | 14            |
| 5530MHz                           | 18            |
| 5610MHz                           | 18            |
| 5690MHz Straddle 5.47-5.725GHz    | 18            |
| 5690MHz Straddle 5.725-5.85GHz    | 18            |
| 5775MHz                           | 20            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -             |
| 5180MHz                           | 20            |
| 5200MHz                           | 20            |
| 5240MHz                           | 20            |
| 5260MHz                           | 18.5          |
| 5300MHz                           | 18.5          |
| 5320MHz                           | 18.5          |
| 5500MHz                           | 18.5          |
| 5580MHz                           | 18.5          |
| 5700MHz                           | 18.5          |
| 5720MHz Straddle 5.47-5.725GHz    | 18            |
| 5720MHz Straddle 5.725-5.85GHz    | 18            |
| 5745MHz                           | 20            |
| 5785MHz                           | 20            |
| 5825MHz                           | 20            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -             |
| 5190MHz                           | 19.5          |
| 5230MHz                           | 20            |
| 5270MHz                           | 18            |
| 5310MHz                           | 18            |
| 5510MHz                           | 18            |
| 5550MHz                           | 18            |
| 5670MHz                           | 18            |
| 5710MHz Straddle 5.47-5.725GHz    | 18            |
| 5710MHz Straddle 5.725-5.85GHz    | 18            |
| 5755MHz                           | 20            |
| 5795MHz                           | 20            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -             |
| 5210MHz                           | 19            |
| 5290MHz                           | 14.5          |
| 5530MHz                           | 18            |
| 5610MHz                           | 18            |
| 5690MHz Straddle 5.47-5.725GHz    | 18            |



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| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 18            |
| 5775MHz                        | 20            |



**For Harmonic**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_3TX            | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -             |
| 5180MHz                        | 30            |
| 5200MHz                        | 30            |
| 5240MHz                        | 30            |
| 5260MHz                        | 30            |
| 5300MHz                        | 30            |
| 5320MHz                        | 30            |
| 5500MHz                        | 30            |
| 5580MHz                        | 30            |
| 5700MHz                        | 30            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -             |
| 5190MHz                        | 30            |
| 5230MHz                        | 30            |
| 5270MHz                        | 30            |
| 5310MHz                        | 30            |
| 5510MHz                        | 30            |
| 5550MHz                        | 30            |
| 5670MHz                        | 30            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 30            |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5795MHz                           | 30            |
| 802.11ac VHT80_Nss1,(MCS0)_3TX    | -             |
| 5210MHz                           | 30            |
| 5290MHz                           | 30            |
| 5530MHz                           | 30            |
| 5610MHz                           | 30            |
| 5690MHz Straddle 5.47-5.725GHz    | 30            |
| 5690MHz Straddle 5.725-5.85GHz    | 30            |
| 5775MHz                           | 30            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -             |
| 5180MHz                           | 22            |
| 5200MHz                           | 22            |
| 5240MHz                           | 22            |
| 5260MHz                           | 22            |
| 5300MHz                           | 22            |
| 5320MHz                           | 22            |
| 5500MHz                           | 22            |
| 5580MHz                           | 22            |
| 5700MHz                           | 22            |
| 5720MHz Straddle 5.47-5.725GHz    | 22            |
| 5720MHz Straddle 5.725-5.85GHz    | 22            |
| 5745MHz                           | 22            |
| 5785MHz                           | 22            |
| 5825MHz                           | 22            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -             |
| 5190MHz                           | 22            |
| 5230MHz                           | 22            |
| 5270MHz                           | 22            |
| 5310MHz                           | 22            |
| 5510MHz                           | 22            |
| 5550MHz                           | 22            |
| 5670MHz                           | 22            |
| 5710MHz Straddle 5.47-5.725GHz    | 22            |
| 5710MHz Straddle 5.725-5.85GHz    | 22            |
| 5755MHz                           | 22            |
| 5795MHz                           | 22            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -             |
| 5210MHz                           | 22            |
| 5290MHz                           | 22            |
| 5530MHz                           | 22            |
| 5610MHz                           | 22            |
| 5690MHz Straddle 5.47-5.725GHz    | 22            |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5690MHz Straddle 5.725-5.85GHz | 22            |
| 5775MHz                        | 22            |



For Radio 3  
For Set 2 antennas / 1TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 18            |
| 5200MHz                        | 23.5          |
| 5240MHz                        | 16.5          |
| 5260MHz                        | 30            |
| 5300MHz                        | 26            |
| 5320MHz                        | 16            |
| 5500MHz                        | 17.5          |
| 5580MHz                        | 30            |
| 5700MHz                        | 16            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 28.5          |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 18            |
| 5200MHz                        | 23.5          |
| 5240MHz                        | 16.5          |
| 5260MHz                        | 30            |
| 5300MHz                        | 26            |
| 5320MHz                        | 16            |
| 5500MHz                        | 17.5          |
| 5580MHz                        | 30            |
| 5700MHz                        | 16            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 28.5          |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 11.5          |
| 5230MHz                        | 17            |
| 5270MHz                        | 24            |
| 5310MHz                        | 12            |
| 5510MHz                        | 14            |
| 5550MHz                        | 25.5          |
| 5670MHz                        | 22            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5755MHz                        | 24                   |
| 5795MHz                        | 30                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 11                   |
| 5290MHz                        | 11                   |
| 5530MHz                        | 11.5                 |
| 5610MHz                        | 23                   |
| 5690MHz Straddle 5.47-5.725GHz | 30                   |
| 5690MHz Straddle 5.725-5.85GHz | 30                   |
| 5775MHz                        | 19                   |





**For Set 3 antennas / 1TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 16.5          |
| 5200MHz                        | 25            |
| 5240MHz                        | 18            |
| 5260MHz                        | 26            |
| 5300MHz                        | 25            |
| 5320MHz                        | 16.5          |
| 5500MHz                        | 18            |
| 5580MHz                        | 30            |
| 5700MHz                        | 15            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 16.5          |
| 5200MHz                        | 25            |
| 5240MHz                        | 18            |
| 5260MHz                        | 26            |
| 5300MHz                        | 25            |
| 5320MHz                        | 16.5          |
| 5500MHz                        | 18            |
| 5580MHz                        | 30            |
| 5700MHz                        | 15            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 11.5          |
| 5230MHz                        | 18            |
| 5270MHz                        | 23            |
| 5310MHz                        | 11            |
| 5510MHz                        | 14.5          |
| 5550MHz                        | 21.5          |
| 5670MHz                        | 19            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 21            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 30                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 10                   |
| 5290MHz                        | 7.5                  |
| 5530MHz                        | 12                   |
| 5610MHz                        | 19                   |
| 5690MHz Straddle 5.47-5.725GHz | 27.5                 |
| 5690MHz Straddle 5.725-5.85GHz | 27.5                 |
| 5775MHz                        | 18                   |



For Set 4 antennas / 1TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 18.5          |
| 5200MHz                        | 28            |
| 5240MHz                        | 18            |
| 5260MHz                        | 30            |
| 5300MHz                        | 28.5          |
| 5320MHz                        | 18            |
| 5500MHz                        | 18            |
| 5580MHz                        | 30            |
| 5700MHz                        | 15.5          |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 18.5          |
| 5200MHz                        | 28            |
| 5240MHz                        | 18            |
| 5260MHz                        | 30            |
| 5300MHz                        | 28.5          |
| 5320MHz                        | 18            |
| 5500MHz                        | 18            |
| 5580MHz                        | 30            |
| 5700MHz                        | 15.5          |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 30            |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 13            |
| 5230MHz                        | 18            |
| 5270MHz                        | 25            |
| 5310MHz                        | 13            |
| 5510MHz                        | 14.5          |
| 5550MHz                        | 26            |
| 5670MHz                        | 19            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 21            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 30                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 13.5                 |
| 5290MHz                        | 11                   |
| 5530MHz                        | 14                   |
| 5610MHz                        | 21                   |
| 5690MHz Straddle 5.47-5.725GHz | 30                   |
| 5690MHz Straddle 5.725-5.85GHz | 30                   |
| 5775MHz                        | 18                   |



For Set 5 antennas / 1TX:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 16.5          |
| 5200MHz                        | 24            |
| 5240MHz                        | 16.5          |
| 5260MHz                        | 30            |
| 5300MHz                        | 27.5          |
| 5320MHz                        | 17.5          |
| 5500MHz                        | 17.5          |
| 5580MHz                        | 30            |
| 5700MHz                        | 16            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 28.5          |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 16.5          |
| 5200MHz                        | 24            |
| 5240MHz                        | 16.5          |
| 5260MHz                        | 30            |
| 5300MHz                        | 27.5          |
| 5320MHz                        | 17.5          |
| 5500MHz                        | 17.5          |
| 5580MHz                        | 30            |
| 5700MHz                        | 16            |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 28.5          |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 11.5          |
| 5230MHz                        | 17            |
| 5270MHz                        | 24.5          |
| 5310MHz                        | 13            |
| 5510MHz                        | 14.5          |
| 5550MHz                        | 25            |
| 5670MHz                        | 22.5          |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 24            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 30                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 10.5                 |
| 5290MHz                        | 9.5                  |
| 5530MHz                        | 11.5                 |
| 5610MHz                        | 21.5                 |
| 5690MHz Straddle 5.47-5.725GHz | 30                   |
| 5690MHz Straddle 5.725-5.85GHz | 30                   |
| 5775MHz                        | 19                   |



**For Set 6 antennas / 1TX:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_(6Mbps)_1TX            | -             |
| 5180MHz                        | 17            |
| 5200MHz                        | 26            |
| 5240MHz                        | 16.5          |
| 5260MHz                        | 30            |
| 5300MHz                        | 28            |
| 5320MHz                        | 19            |
| 5500MHz                        | 19            |
| 5580MHz                        | 30            |
| 5700MHz                        | 16.5          |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 28.5          |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                        | 17            |
| 5200MHz                        | 26            |
| 5240MHz                        | 16.5          |
| 5260MHz                        | 30            |
| 5300MHz                        | 28            |
| 5320MHz                        | 19            |
| 5500MHz                        | 19            |
| 5580MHz                        | 30            |
| 5700MHz                        | 16.5          |
| 5720MHz Straddle 5.47-5.725GHz | 30            |
| 5720MHz Straddle 5.725-5.85GHz | 30            |
| 5745MHz                        | 28.5          |
| 5785MHz                        | 30            |
| 5825MHz                        | 30            |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                        | 12.5          |
| 5230MHz                        | 17            |
| 5270MHz                        | 25            |
| 5310MHz                        | 13.5          |
| 5510MHz                        | 14.5          |
| 5550MHz                        | 27            |
| 5670MHz                        | 23            |
| 5710MHz Straddle 5.47-5.725GHz | 30            |
| 5710MHz Straddle 5.725-5.85GHz | 30            |
| 5755MHz                        | 24            |



| <b>Mode</b>                    | <b>Power Setting</b> |
|--------------------------------|----------------------|
| 5795MHz                        | 30                   |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                    |
| 5210MHz                        | 11.5                 |
| 5290MHz                        | 11                   |
| 5530MHz                        | 13                   |
| 5610MHz                        | 24.5                 |
| 5690MHz Straddle 5.47-5.725GHz | 30                   |
| 5690MHz Straddle 5.725-5.85GHz | 20                   |
| 5775MHz                        | 19                   |





## 2.2 The Worst Case Measurement Configuration

For Radio 2:

| The Worst Case Mode for Following Conformance Tests |   |  |                                |   |  |
|---|---|--|--------------------------------|---|--|
| Test Item   | Antenna                                   | Test Condition   | Mode                           | Data Rate                                 | TX No.                                   |
| AC power-line conducted emissions                   | Set 3                                     | AC power-line conducted measurement for line and neutral | CTX                            | -   | 3TX                                      |
| Emission Bandwidth                                  | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Conducted measurement at transmit chains                 | <b>Non-Beamforming Mode</b>    |   |  |
|   |   |  | 11a/BPSK                       | 6 Mbps                                    | 1, 2, 3TX                                |
|   |   |  | 11ac VHT20                     | MCS0 Nss1                                 | 1, 2, 3TX                                |
|   |   |  | 11ac VHT40                     | MCS0 Nss1                                 | 1, 2, 3TX                                |
|   |   |  | 11ac VHT80                     | MCS0 Nss1                                 | 1, 2, 3TX                                |
|   |   |  | <b>Beamforming Mode</b>        |   |  |
|   |   |  | 11ac VHT20                     | MCS0 Nss1                                 | 2, 3TX                                   |
|   |   |  | 11ac VHT40                     | MCS0 Nss1                                 | 2, 3TX                                   |
|   |   |  | 11ac VHT80                     | MCS0 Nss1                                 | 2, 3TX                                   |
|   |   |  | Maximum Conducted Output Power | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Conducted measurement at transmit chains |
| 11a/BPSK  | 6 Mbps                                    | 1, 2, 3TX  |                                |   |  |
| 11ac VHT20  | MCS0 Nss1                                 | 1, 2, 3TX  |                                |   |  |
| 11ac VHT40  | MCS0 Nss1                                 | 1, 2, 3TX  |                                |   |  |
| 11ac VHT80  | MCS0 Nss1                                 | 1, 2, 3TX  |                                |   |  |
| <b>Beamforming Mode</b>                             |   |  |                                |   |  |
| 11ac VHT20  | MCS0 Nss1                                 | 2, 3TX   |                                |   |  |
| 11ac VHT40  | MCS0 Nss1                                 | 2, 3TX   |                                |   |  |
| 11ac VHT80  | MCS0 Nss1                                 | 2, 3TX   |                                |   |  |
| Power Spectral Density                              | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Conducted measurement at transmit chains                 |                                |   |  |
|   |   |  | 11a/BPSK                       | 6 Mbps                                    | 1, 2, 3TX                                |
|   |   |  | 11ac VHT20                     | MCS0 Nss1                                 | 1, 2, 3TX                                |
|   |   |  | 11ac VHT40                     | MCS0 Nss1                                 | 1, 2, 3TX                                |
|   |   |  | 11ac VHT80                     | MCS0 Nss1                                 | 1, 2, 3TX                                |
|   |   |  | <b>Beamforming Mode</b>        |   |  |
|   |   |  | 11ac VHT20                     | MCS0 Nss1                                 | 2, 3TX                                   |
|   |   |  | 11ac VHT40                     | MCS0 Nss1                                 | 2, 3TX                                   |
|   |   |  | 11ac VHT80                     | MCS0 Nss1                                 | 2, 3TX                                   |
|   |   |  | Emissions in Restricted < 1GHz | Set 3                                     | Radiated measurement                     |



|   |                |  |  |   |                      |
|---|----------------|--|--|---|----------------------|
| Unwanted Emissions > 1GHz (Harmonic) (see the Note) | Set 3<br>Set 6 | Radiated measurement                     | <b>Non-Beamforming Mode</b>  |   |                      |
|   |                |  | 11ac VHT20   | MCS0 Nss1                                 | 1, 2, 3TX            |
|   |                |  | 11ac VHT40   | MCS0 Nss1                                 | 1, 2, 3TX            |
|   |                |  | 11ac VHT80   | MCS0 Nss1                                 | 1, 2, 3TX            |
|   |                |  | <b>Beamforming Mode</b>  |   |                      |
|   |                |  | 11ac VHT20   | MCS0 Nss1                                 | 2, 3TX               |
|   |                |  | 11ac VHT40   | MCS0 Nss1                                 | 2, 3TX               |
|   |                |  | 11ac VHT80   | MCS0 Nss1                                 | 2, 3TX               |
|   |                |  | Unwanted Emissions > 1GHz (Band Edge Emission)   | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Radiated measurement |
| 11ac VHT20  | MCS0 Nss1      | 1, 2, 3TX                                |  |   |                      |
| 11ac VHT40  | MCS0 Nss1      | 1, 2, 3TX                                |  |   |                      |
| 11ac VHT80  | MCS0 Nss1      | 1, 2, 3TX                                |  |   |                      |
| <b>Beamforming Mode</b>                             |                |  |  |   |                      |
| 11ac VHT20  | MCS0 Nss1      | 2, 3TX                                   |  |   |                      |
| 11ac VHT40  | MCS0 Nss1      | 2, 3TX                                   |  |   |                      |
| 11ac VHT80  | MCS0 Nss1      | 2, 3TX                                   |  |   |                      |
| Frequency Stability                                 | Set 3          | Conducted measurement at transmit chains |  |   |                      |
|   |                |  | 40MHz  | -   | 3TX                  |
|   |                |  | 80MHz  | -   | 3TX                  |
|   |                |  | Note: 1.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.<br>2.For emissions in restricted frequency bands>1GHz 11a of mode were exempted from testing because they're covered by 11ac VHT20 mode.<br>3.For Emissions in Restricted Frequency Bands > 1GHz (Harmonic) used higher gain and lowest gain antenna set collocate with maximum power setting to evaluated.<br>4.There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 802.11n/ac. All test results were recorded in the report. |   |                      |



For Radio 3:

| The Worst Case Mode for Following Conformance Tests |   |  |            |           |        |
|---|---|--|------------|-----------|--------|
| Test Item   | Antenna                                   | Test Condition   | Mode       | Data Rate | TX No. |
| AC power-line conducted emissions                   | Set 3                                     | AC power-line conducted measurement for line and neutral | CTX        | -         | 1TX    |
| Emission Bandwidth                                  | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Conducted measurement at transmit chains                 | 11a/BPSK   | 6 Mbps    | 1TX    |
|   |   |  | 11ac VHT20 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT40 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT80 | MCS0 Nss1 | 1TX    |
| Maximum Conducted Output Power                      | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Conducted measurement at transmit chains                 | 11a/BPSK   | 6 Mbps    | 1TX    |
|   |   |  | 11ac VHT20 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT40 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT80 | MCS0 Nss1 | 1TX    |
| Power Spectral Density                              | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Conducted measurement at transmit chains                 | 11a/BPSK   | 6 Mbps    | 1TX    |
|   |   |  | 11ac VHT20 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT40 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT80 | MCS0 Nss1 | 1TX    |
| Emissions in Restricted < 1GHz                      | Set 3                                     | Radiated measurement                                     | CTX        | -         | 1TX    |
| Unwanted Emissions > 1GHz (Harmonic) (see the Note) | Set 3<br>Set 6                            | Radiated measurement                                     | 11ac VHT20 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT40 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT80 | MCS0 Nss1 | 1TX    |
| Unwanted Emissions > 1GHz (Band Edge Emission)      | Set 2<br>Set 3<br>Set 4<br>Set 5<br>Set 6 | Radiated measurement                                     | 11ac VHT20 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT40 | MCS0 Nss1 | 1TX    |
|   |   |  | 11ac VHT80 | MCS0 Nss1 | 1TX    |
| Frequency Stability                                 | Set 3                                     | Conducted measurement at transmit chains                 | 20MHz      | -         | 1TX    |
|   |   |  | 40MHz      | -         | 1TX    |
|   |   |  | 80MHz      | -         | 1TX    |

Note: 1.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.For emissions in restricted frequency bands>1GHz 11a of mode were exempted from testing because they're covered by 11ac VHT20 mode.  
 3.For Emissions in Restricted Frequency Bands > 1GHz (Harmonic) used higher gain and lowest gain antenna set collocate with maximum power setting to evaluated.

The following test modes were performed for all tests:

**For Conducted Emission test:**

Mode 1. EUT with Set 3 antenna + Radio 1 (2.4GHz)

Mode 2. EUT with Set 3 antenna + Radio 2 (5GHz)



Mode 3. EUT with Set 3 antenna + Radio 3 (2.4GHz)

Mode 4. EUT with Set 3 antenna + Radio 3 (5GHz)

Mode 5. EUT with Set 3 antenna + Radio 4 (Bluetooth)

Mode 4 is the worst case, so it was selected to record in this test report.

**For Radiated Emission test below 1GHz:**

The EUT was performed at X axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found for 2.4GHz at X axis and for 5GHz and Bluetooth at Z axis. So the measurement will follow this same test configuration.

Mode 1. EUT in X axis with Set 3 antenna + Radio 1 (2.4GHz)

Mode 2. EUT in Z axis with Set 3 antenna + Radio 2 (5GHz)

Mode 3. EUT in X axis with Set 3 antenna + Radio 3 (2.4GHz)

Mode 4. EUT in Z axis with Set 3 antenna + Radio 3 (5GHz)

Mode 5. EUT in Z axis with Set 3 antenna + Radio 4 (Bluetooth)

Mode 4 is the worst case, so it was selected to record in this test report.

**For Radiated Emission test above 1GHz:**

The EUT was performed at X axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.

Mode 1. EUT in Z axis with Set 2 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 2. EUT in Z axis with Set 3 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 3. EUT in Z axis with Set 4 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 4. EUT in Z axis with Set 5 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

Mode 5. EUT in Z axis with Set 6 antenna + Radio 2 (5GHz) and Radio 3 (5GHz)

**For Co-location MPE and Radiated Emission Co-location Test:**

The EUT could be applied with 2.4GHz WLAN function, 5GHz WLAN function and Bluetooth function; therefore Co-location Maximum Permissible Exposure (Please refer to FA760613) and Radiated Emission Co-location (please refer to Appendix A) tests are added for simultaneously transmit between 2.4GHz WLAN function and 5GHz WLAN function collocation with higher gain antenna.



### 2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telent.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

### 2.4 Accessories

| Accessories         |                |            |                  |               |  |
|---------------------|----------------|------------|------------------|---------------|--|
| No.                 | Equipment Name | Brand Name | PSU Vendor P/N   | Meraki Model  | Rating   |
| 1                   | Adapter        | CISCO      | KSAS0361200250HU | MA-PWR-30W-US | Input: 100-240V ~ 50/60Hz, 1.0A<br>Output: 12V, 2.5A |
| Other               |                |            |                  |               |  |
| Wall-mounted rack*1 |                |            |                  |               |  |



## 2.5 Support Equipment

For Test Site No: CO01-CB

| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| 1                 | Notebook  | DELL       | E6430      | DoC    |

For Test Site No: 03CH01-CB (below 1GHz)

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

For Test Site No: 03CH01-CB (above 1GHz)

<For Non-Beamforming Mode>

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

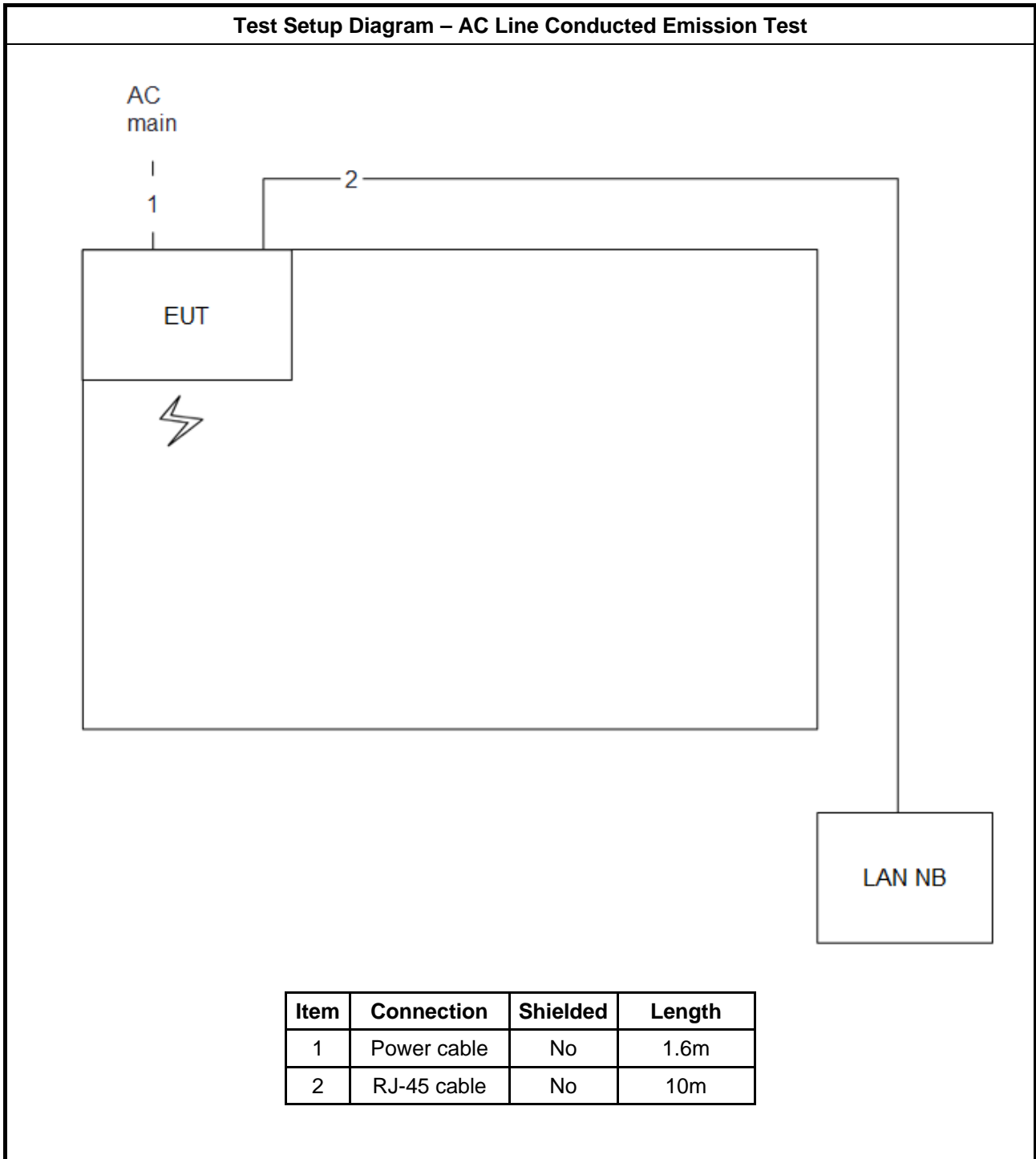
<For Beamforming Mode>

| Support Equipment |            |            |            |              |
|-------------------|------------|------------|------------|--------------|
| No.               | Equipment  | Brand Name | Model Name | FCC ID       |
| 1                 | Notebook*2 | DELL       | E4300      | DoC          |
| 2                 | RX Device  | CISCO      | MR42E-HW   | UDX-60063010 |

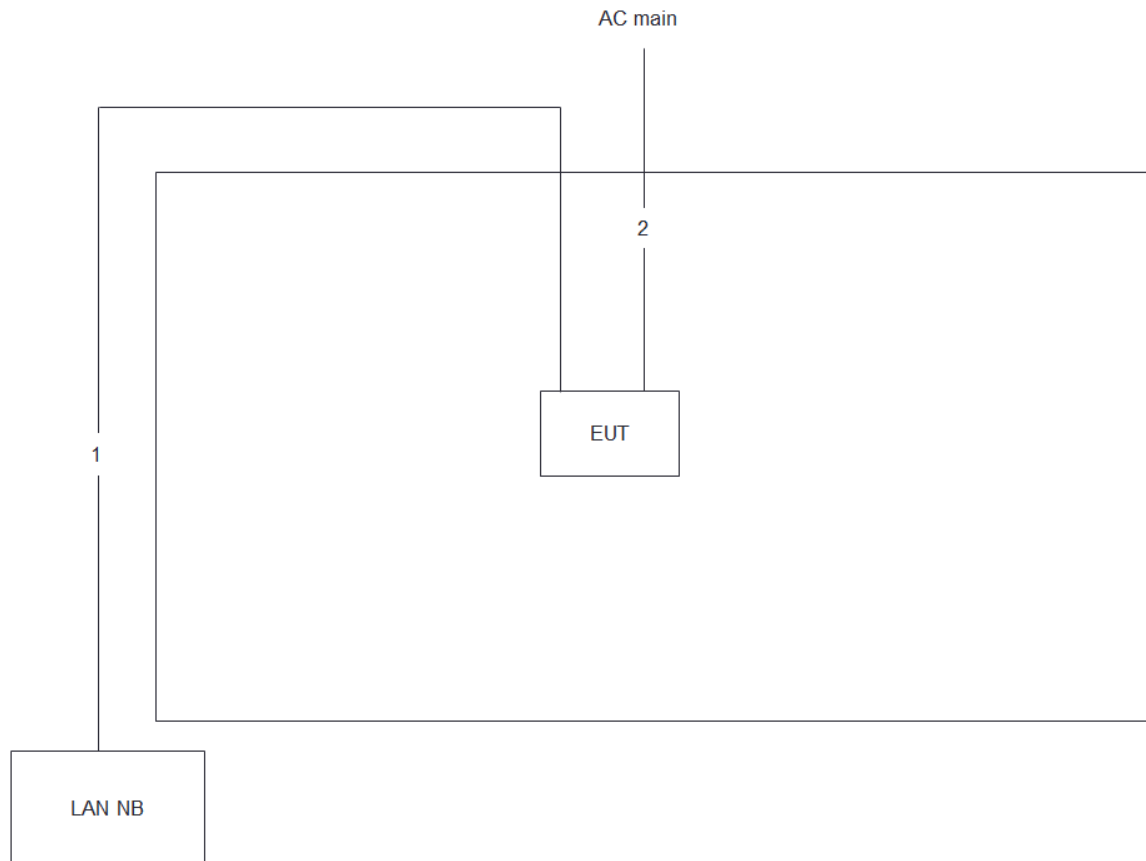
For Test Site No: TH01-CB

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

## 2.6 Test Setup Diagram



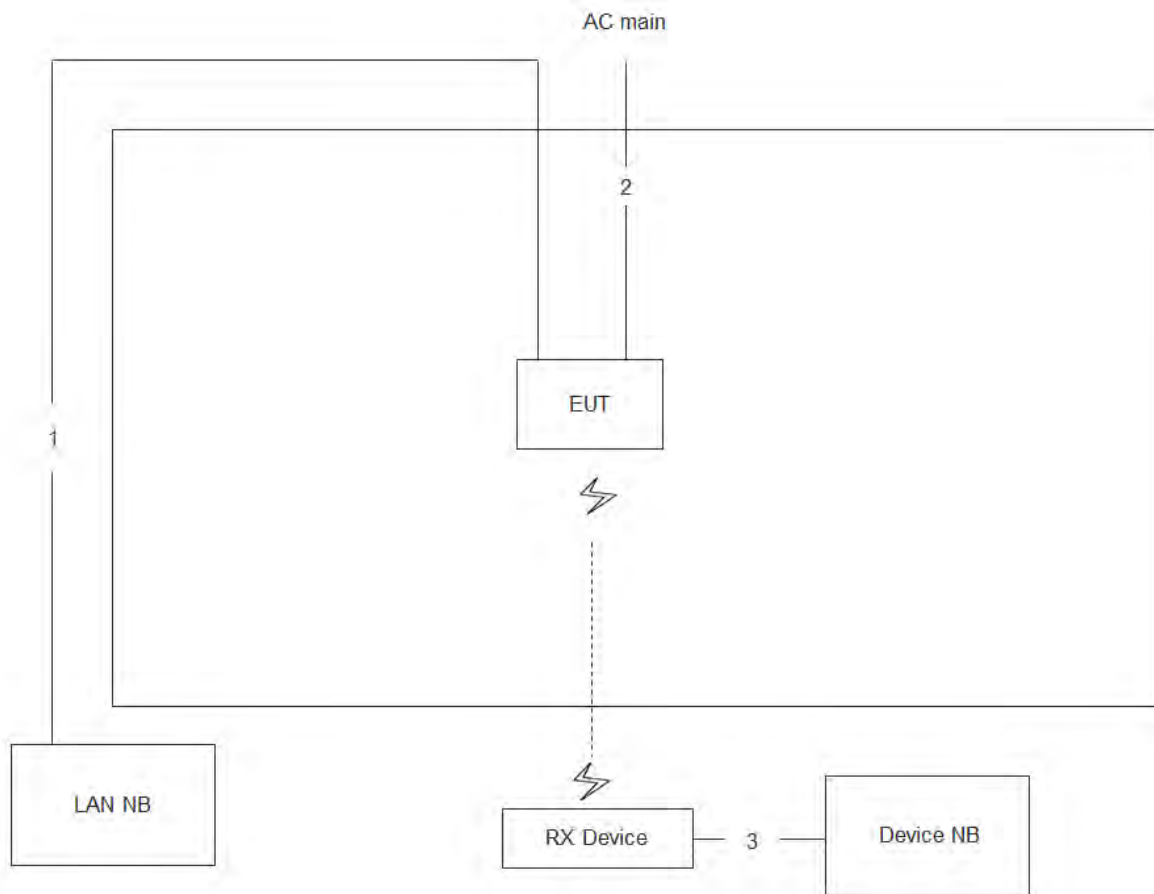
Test Setup Diagram - Radiated Test < 1GHz and Radiated Test > 1GHz Non-Beamforming Mode



| Item | Connection  | Shielded | Length |
|------|-------------|----------|--------|
| 1    | RJ-45 Cable | No       | 10m    |
| 2    | Power cable | No       | 1.6m   |



Test Setup Diagram - Radiated Test > 1GHz Beamforming Mode



| Item | Connection  | Shielded | Length |
|------|-------------|----------|--------|
| 1    | RJ-45 cable | No       | 10m    |
| 2    | Power cable | No       | 1.6m   |
| 3    | RJ-45 cable | No       | 10m    |

### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

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

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

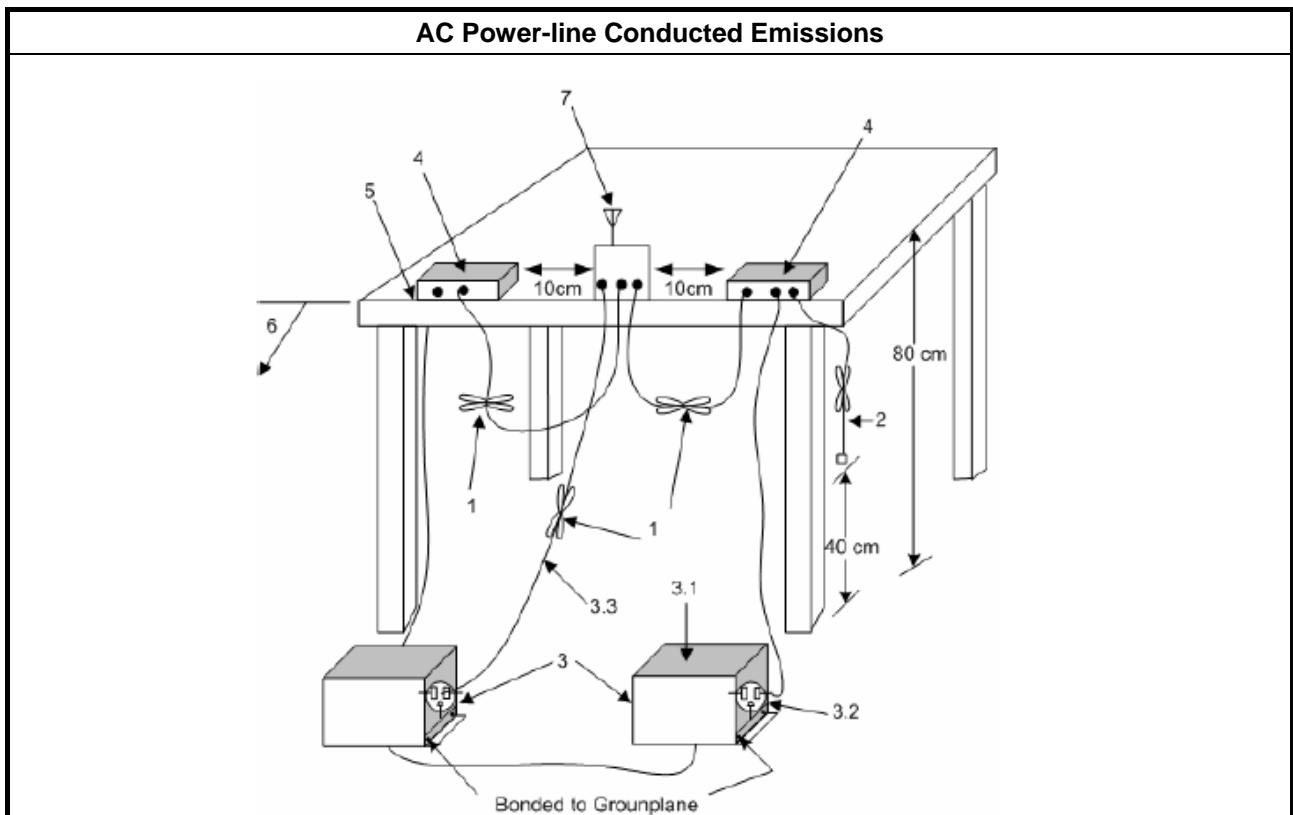
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

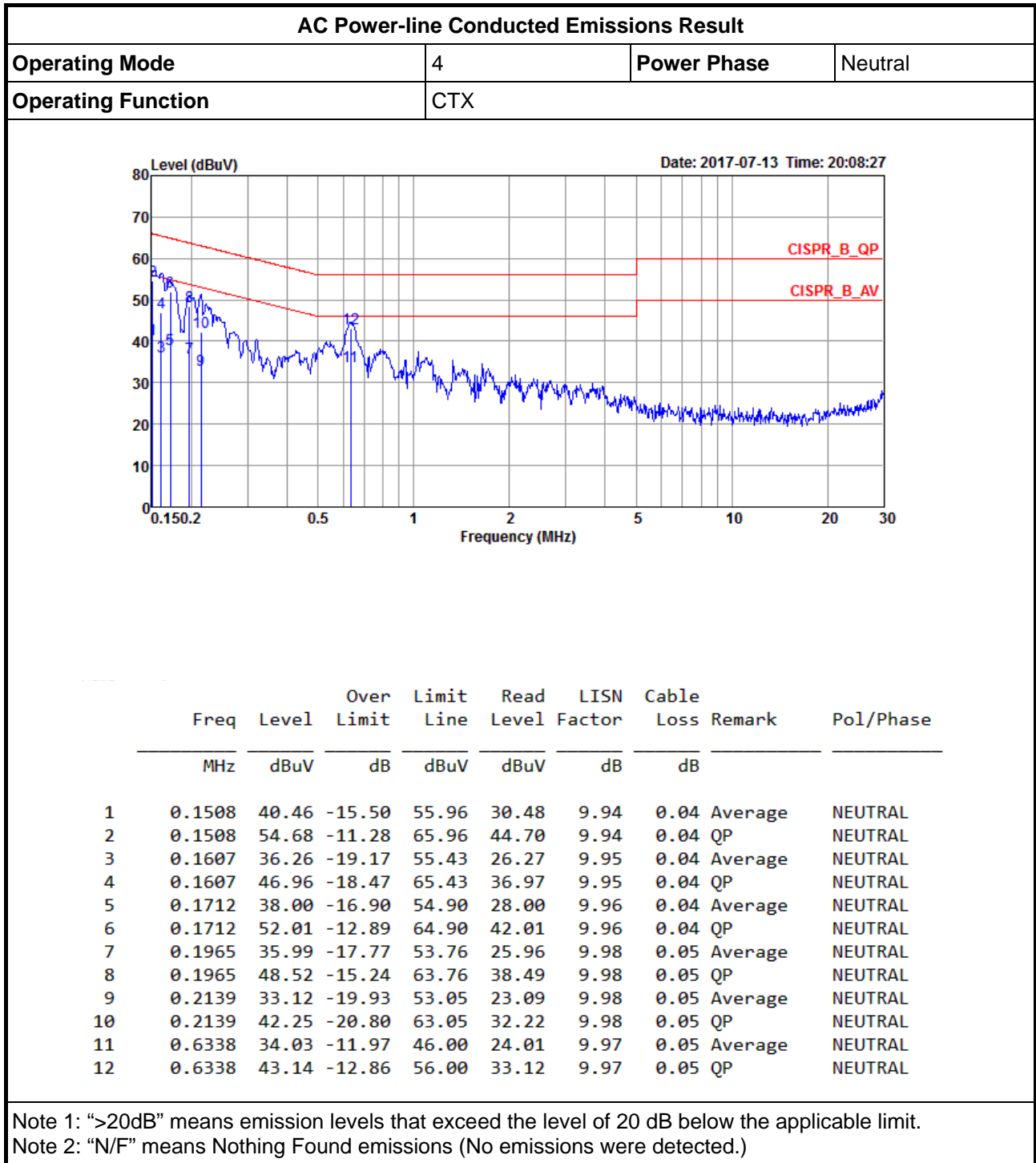
| Test Method  |
|--|
| <input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

##### 3.1.4 Test Setup





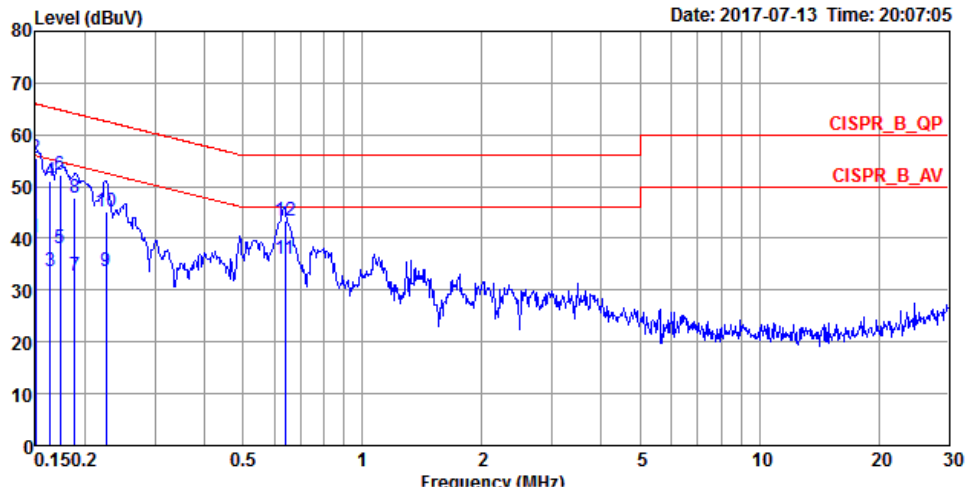
3.1.5 Test Result of AC Power-line Conducted Emissions





AC Power-line Conducted Emissions Result

|                    |     |             |      |
|--------------------|-----|-------------|------|
| Operating Mode     | 4   | Power Phase | Line |
| Operating Function | CTX |             |      |



|    | Freq   | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark  | Pol/Phase |
|----|--------|-------|------------|------------|------------|-------------|------------|---------|-----------|
|    | MHz    | dBuV  | dB         | dBuV       | dBuV       | dB          | dB         |         |           |
| 1  | 0.1500 | 40.10 | -15.90     | 56.00      | 30.11      | 9.95        | 0.04       | Average | LINE      |
| 2  | 0.1500 | 55.56 | -10.44     | 66.00      | 45.57      | 9.95        | 0.04       | QP      | LINE      |
| 3  | 0.1633 | 33.71 | -21.59     | 55.30      | 23.73      | 9.94        | 0.04       | Average | LINE      |
| 4  | 0.1633 | 50.97 | -14.33     | 65.30      | 40.99      | 9.94        | 0.04       | QP      | LINE      |
| 5  | 0.1731 | 37.97 | -16.84     | 54.81      | 27.99      | 9.94        | 0.04       | Average | LINE      |
| 6  | 0.1731 | 52.27 | -12.54     | 64.81      | 42.29      | 9.94        | 0.04       | QP      | LINE      |
| 7  | 0.1884 | 32.72 | -21.39     | 54.11      | 22.74      | 9.93        | 0.05       | Average | LINE      |
| 8  | 0.1884 | 47.89 | -16.22     | 64.11      | 37.91      | 9.93        | 0.05       | QP      | LINE      |
| 9  | 0.2256 | 33.60 | -19.01     | 52.61      | 23.63      | 9.92        | 0.05       | Average | LINE      |
| 10 | 0.2256 | 45.14 | -17.47     | 62.61      | 35.17      | 9.92        | 0.05       | QP      | LINE      |
| 11 | 0.6372 | 35.89 | -10.11     | 46.00      | 25.91      | 9.93        | 0.05       | Average | LINE      |
| 12 | 0.6372 | 43.44 | -12.56     | 56.00      | 33.46      | 9.93        | 0.05       | QP      | LINE      |

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

### 3.2 Emission Bandwidth

#### 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit            |   |
|-------------------------------------|---|
| <b>UNII Devices</b>                 |   |
| <input checked="" type="checkbox"/> | For the 5.15-5.25 GHz band, N/A   |
| <input checked="" type="checkbox"/> | For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.            |
| <input checked="" type="checkbox"/> | For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.           |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.   |
| <b>LE-LAN Devices</b>               |   |
| <input type="checkbox"/>            | For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.                      |
| <input type="checkbox"/>            | For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz                        |
| <input type="checkbox"/>            | For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| <input type="checkbox"/>            | For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.   |

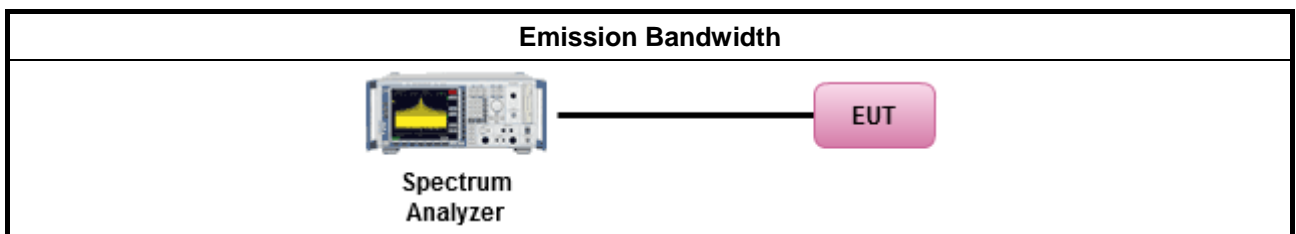
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

| Test Method  |   |
|--|---|
| <ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul> |   |
| <input checked="" type="checkbox"/>  | Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement. |
| <input type="checkbox"/>   | Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.          |
| <input checked="" type="checkbox"/>  | Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.                      |

#### 3.2.4 Test Setup





### 3.2.5 Test Result of Emission Bandwidth

For Radio 2:

For Set 2 antennas / 1TX:

#### Summary

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11a_(6Mbps)_1TX            | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 19.875M          | 16.417M         | 16M4D1D  | 19.425M          | 16.392M         |
| 5.25-5.35GHz                   | 19.875M          | 16.417M         | 16M4D1D  | 19.675M          | 16.417M         |
| 5.47-5.725GHz                  | 20.225M          | 16.442M         | 16M4D1D  | 16.185M          | 13.223M         |
| 5.725-5.85GHz                  | 16.3M            | 16.417M         | 16M4D1D  | 3.14M            | 4.158M          |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 20.8M            | 17.641M         | 17M6D1D  | 20.75M           | 17.616M         |
| 5.25-5.35GHz                   | 21.1M            | 17.641M         | 17M6D1D  | 20.75M           | 17.591M         |
| 5.47-5.725GHz                  | 21.425M          | 17.666M         | 17M7D1D  | 16.29M           | 13.838M         |
| 5.725-5.85GHz                  | 17.525M          | 17.641M         | 17M6D1D  | 3.78M            | 4.378M          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 40.25M           | 36.032M         | 36M0D1D  | 39.85M           | 35.982M         |
| 5.25-5.35GHz                   | 39.9M            | 35.982M         | 36M0D1D  | 39.85M           | 35.982M         |
| 5.47-5.725GHz                  | 45.7M            | 36.132M         | 36M1D1D  | 39.41M           | 32.919M         |
| 5.725-5.85GHz                  | 35.35M           | 36.182M         | 36M2D1D  | 3.14M            | 14.673M         |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 89M              | 75.662M         | 75M7D1D  | 89M              | 75.662M         |
| 5.25-5.35GHz                   | 85.3M            | 75.662M         | 75M7D1D  | 85.3M            | 75.662M         |
| 5.47-5.725GHz                  | 87.4M            | 75.762M         | 75M8D1D  | 77.475M          | 72.564M         |
| 5.725-5.85GHz                  | 72.7M            | 75.862M         | 75M9D1D  | 3.16M            | 28.466M         |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

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

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

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



Result

| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|
| 802.11a_(6Mbps)_1TX            | -      | -          | -                | -               |
| 5180MHz                        | Pass   | Inf        | 19.425M          | 16.417M         |
| 5200MHz                        | Pass   | Inf        | 19.825M          | 16.417M         |
| 5240MHz                        | Pass   | Inf        | 19.875M          | 16.392M         |
| 5260MHz                        | Pass   | Inf        | 19.675M          | 16.417M         |
| 5300MHz                        | Pass   | Inf        | 19.875M          | 16.417M         |
| 5320MHz                        | Pass   | Inf        | 19.8M            | 16.417M         |
| 5500MHz                        | Pass   | Inf        | 19.825M          | 16.392M         |
| 5580MHz                        | Pass   | Inf        | 19.8M            | 16.417M         |
| 5700MHz                        | Pass   | Inf        | 20.225M          | 16.442M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 16.185M          | 13.223M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.14M            | 4.158M          |
| 5745MHz                        | Pass   | 500k       | 16.3M            | 16.392M         |
| 5785MHz                        | Pass   | 500k       | 16.3M            | 16.367M         |
| 5825MHz                        | Pass   | 500k       | 16.3M            | 16.417M         |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -      | -          | -                | -               |
| 5180MHz                        | Pass   | Inf        | 20.75M           | 17.641M         |
| 5200MHz                        | Pass   | Inf        | 20.75M           | 17.641M         |
| 5240MHz                        | Pass   | Inf        | 20.8M            | 17.616M         |
| 5260MHz                        | Pass   | Inf        | 21.075M          | 17.641M         |
| 5300MHz                        | Pass   | Inf        | 21.1M            | 17.616M         |
| 5320MHz                        | Pass   | Inf        | 20.75M           | 17.591M         |
| 5500MHz                        | Pass   | Inf        | 21.2M            | 17.616M         |
| 5580MHz                        | Pass   | Inf        | 20.925M          | 17.641M         |
| 5700MHz                        | Pass   | Inf        | 21.425M          | 17.666M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 16.29M           | 13.838M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.78M            | 4.378M          |
| 5745MHz                        | Pass   | 500k       | 17.25M           | 17.616M         |
| 5785MHz                        | Pass   | 500k       | 17.525M          | 17.641M         |
| 5825MHz                        | Pass   | 500k       | 17.125M          | 17.641M         |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -      | -          | -                | -               |
| 5190MHz                        | Pass   | Inf        | 39.85M           | 36.032M         |
| 5230MHz                        | Pass   | Inf        | 40.25M           | 35.982M         |
| 5270MHz                        | Pass   | Inf        | 39.9M            | 35.982M         |
| 5310MHz                        | Pass   | Inf        | 39.85M           | 35.982M         |
| 5510MHz                        | Pass   | Inf        | 39.75M           | 36.032M         |
| 5550MHz                        | Pass   | Inf        | 45.2M            | 36.082M         |
| 5670MHz                        | Pass   | Inf        | 45.7M            | 36.132M         |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 39.41M           | 32.919M         |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.14M            | 14.673M         |
| 5755MHz                        | Pass   | 500k       | 33.2M            | 36.182M         |
| 5795MHz                        | Pass   | 500k       | 35.35M           | 36.182M         |



| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -      | -          | -                | -               |
| 5210MHz                        | Pass   | Inf        | 89M              | 75.662M         |
| 5290MHz                        | Pass   | Inf        | 85.3M            | 75.662M         |
| 5530MHz                        | Pass   | Inf        | 84.8M            | 75.762M         |
| 5610MHz                        | Pass   | Inf        | 87.4M            | 75.662M         |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 77.475M          | 72.564M         |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.16M            | 28.466M         |
| 5775MHz                        | Pass   | 500k       | 72.7M            | 75.862M         |

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth;



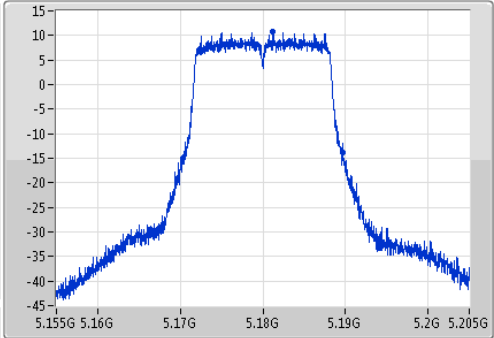


### 802.11a\_(6Mbps)\_1TX

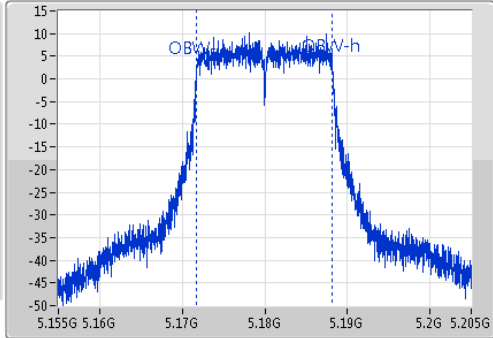
EBW

#### 5180MHz

Ch Freq: 5.18GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.18GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



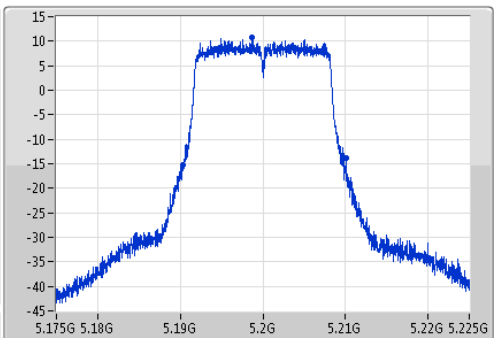
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.425M  | 5.170275G   | 5.1897G     | 16.417M | 5.171779G  | 5.188196G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

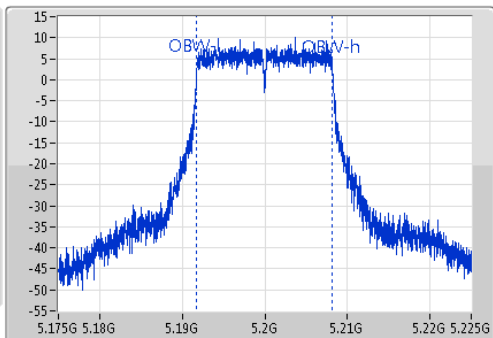
EBW

#### 5200MHz

Ch Freq: 5.2GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.2GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



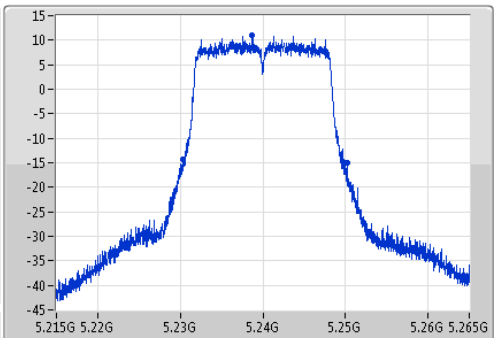
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.825M  | 5.190275G   | 5.2101G     | 16.417M | 5.191779G  | 5.208196G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

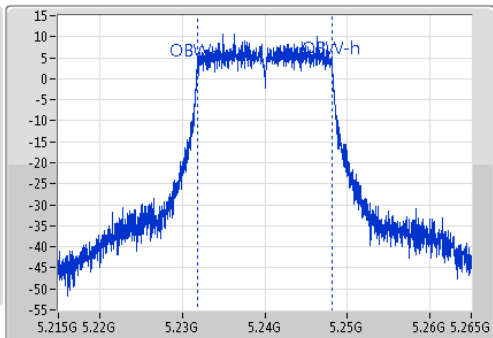
EBW

#### 5240MHz

Ch Freq: 5.24GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.24GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.875M  | 5.2303G     | 5.250175G   | 16.392M | 5.231804G  | 5.248196G  | Inf       | 1    |

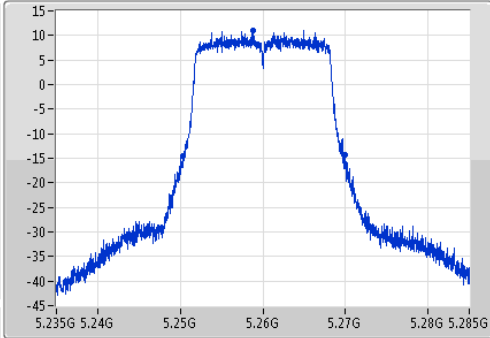


### 802.11a\_(6Mbps)\_1TX

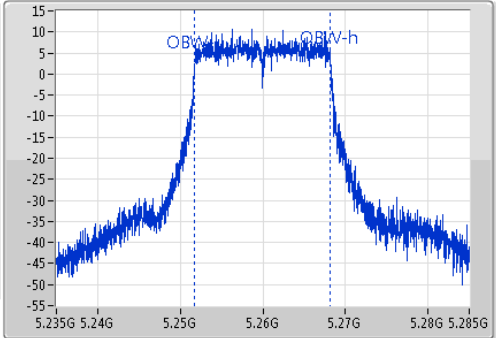
EBW

#### 5260MHz

Ch Freq: 5.26GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.26GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



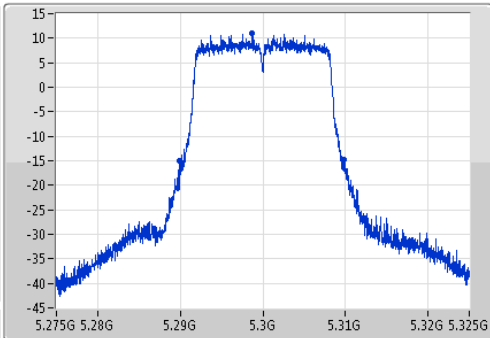
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.675M  | 5.25035G    | 5.270025G   | 16.417M | 5.251779G  | 5.268196G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

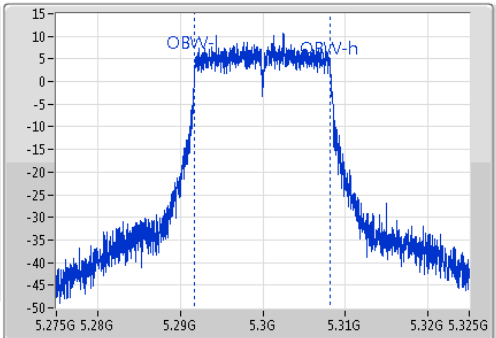
EBW

#### 5300MHz

Ch Freq: 5.3GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.3GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



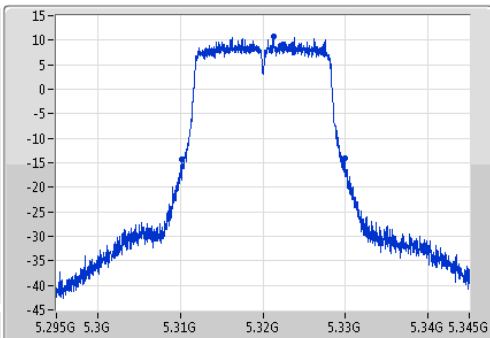
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.875M  | 5.28995G    | 5.309825G   | 16.417M | 5.291779G  | 5.308196G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

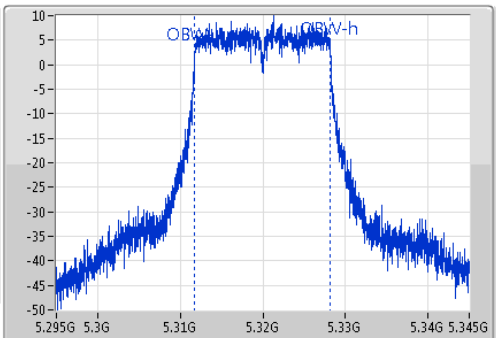
EBW

#### 5320MHz

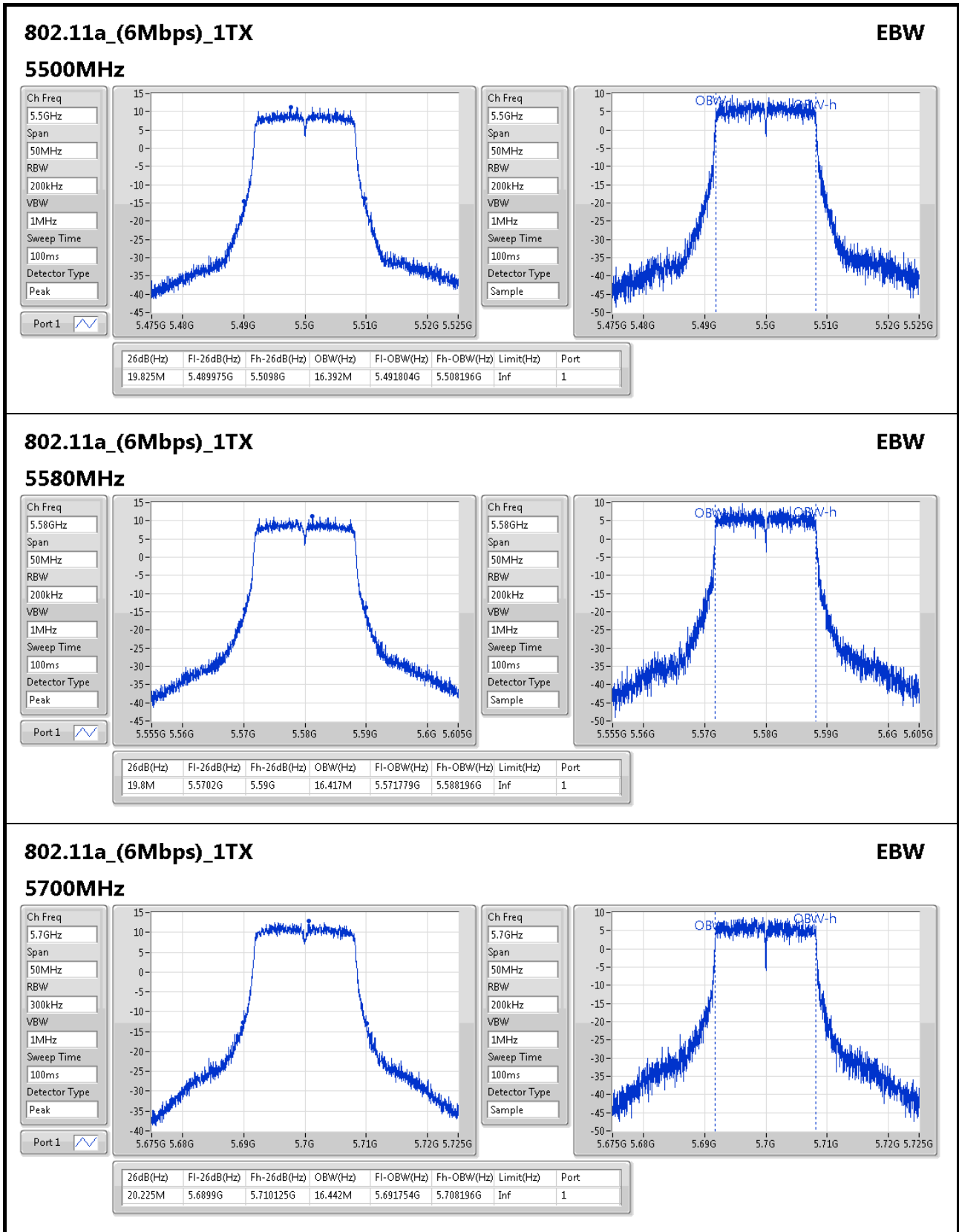
Ch Freq: 5.32GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak

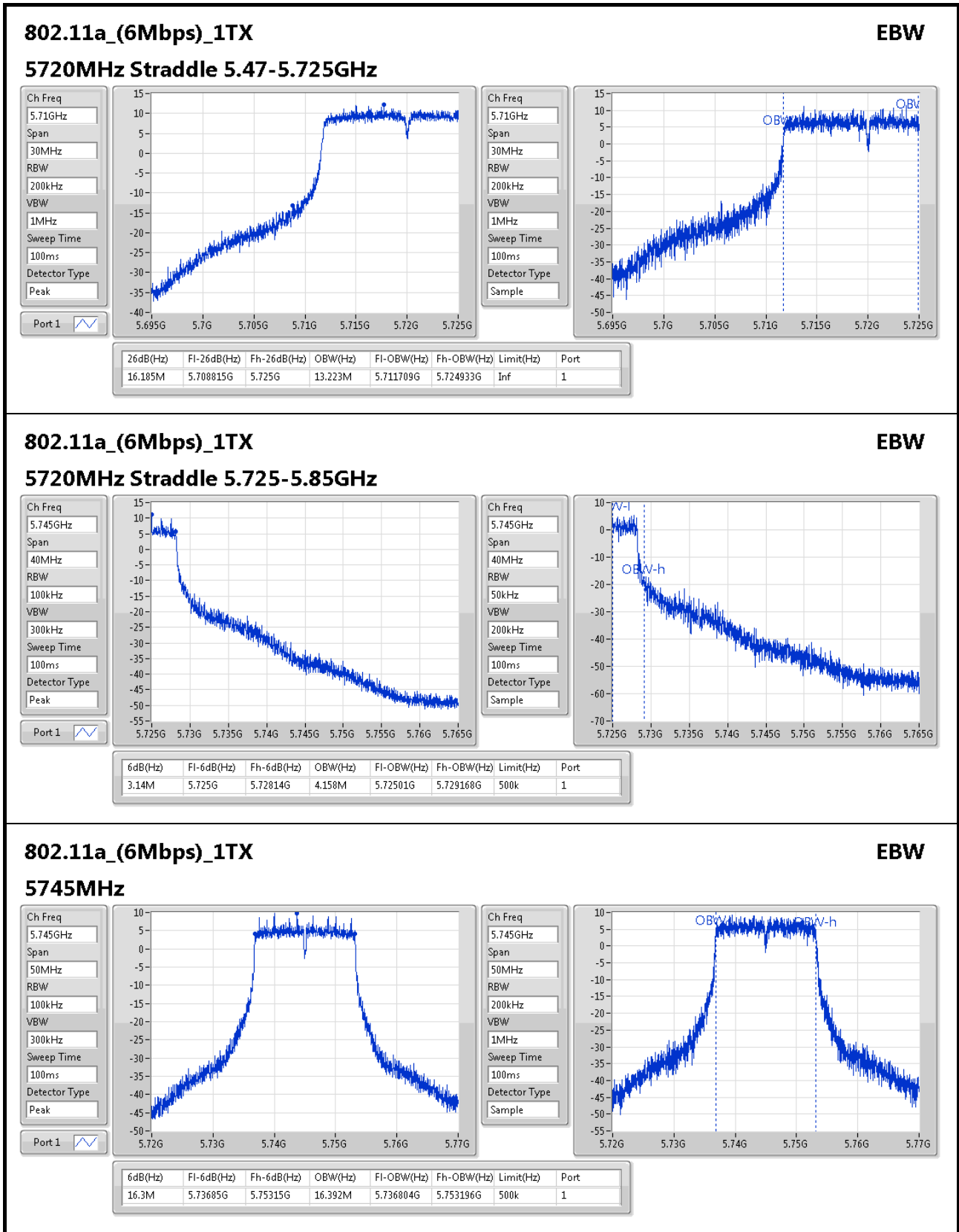


Ch Freq: 5.32GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.8M    | 5.31015G    | 5.32995G    | 16.417M | 5.311779G  | 5.328196G  | Inf       | 1    |



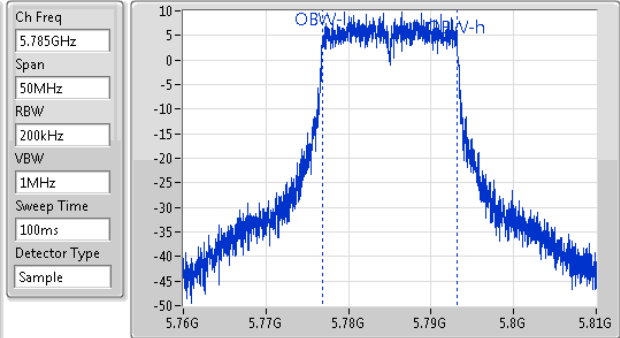
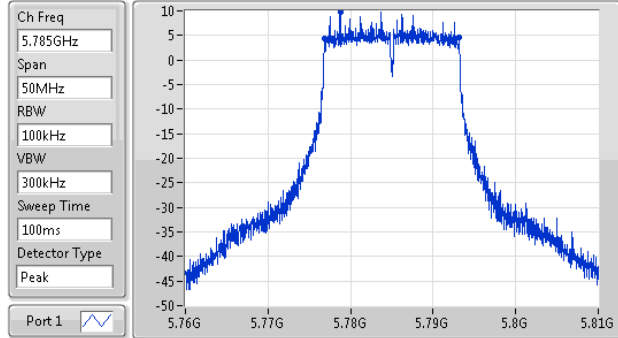




### 802.11a\_(6Mbps)\_1TX

EBW

5785MHz

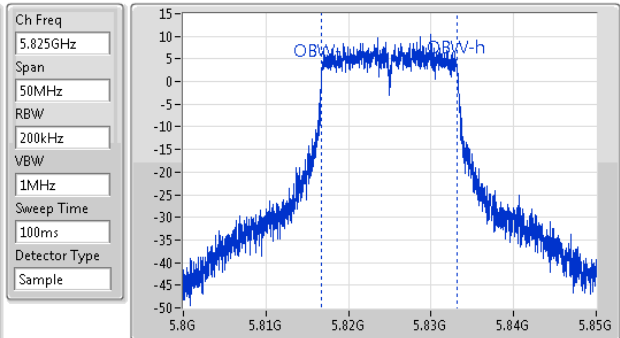
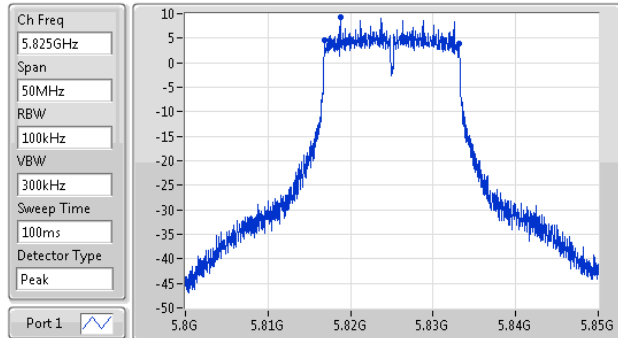


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 16.3M   | 5.77685G   | 5.79315G   | 16.367M | 5.776804G  | 5.793171G  | 500k      | 1    |

### 802.11a\_(6Mbps)\_1TX

EBW

5825MHz

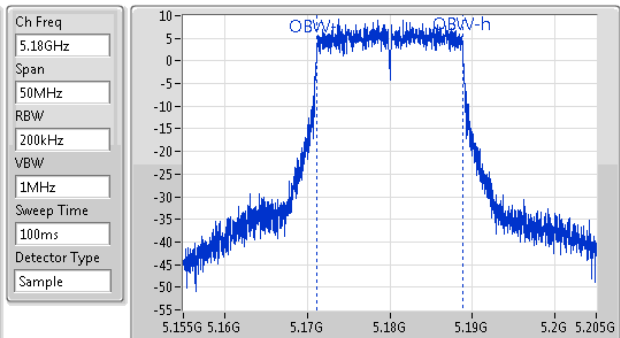
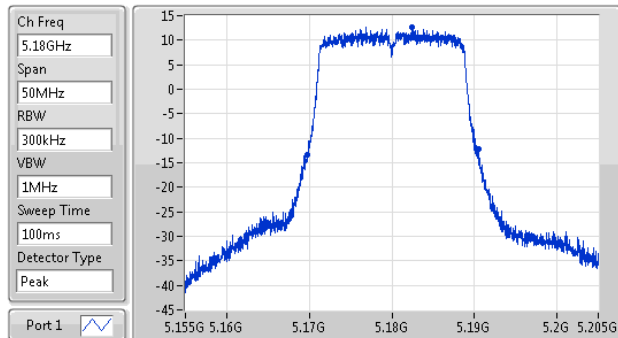


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 16.3M   | 5.81685G   | 5.83315G   | 16.417M | 5.816779G  | 5.833196G  | 500k      | 1    |

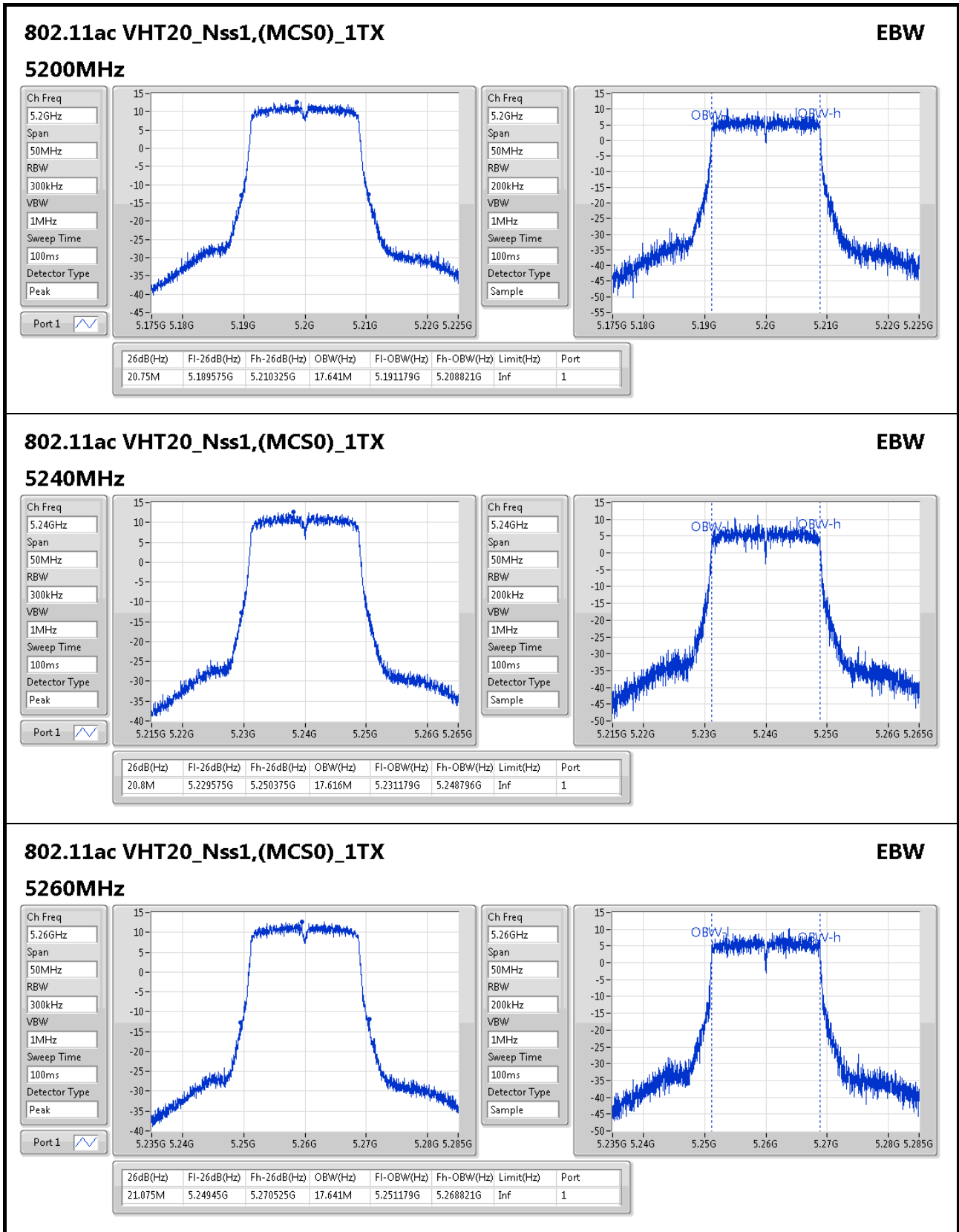
### 802.11ac VHT20\_Nss1,(MCS0)\_1TX

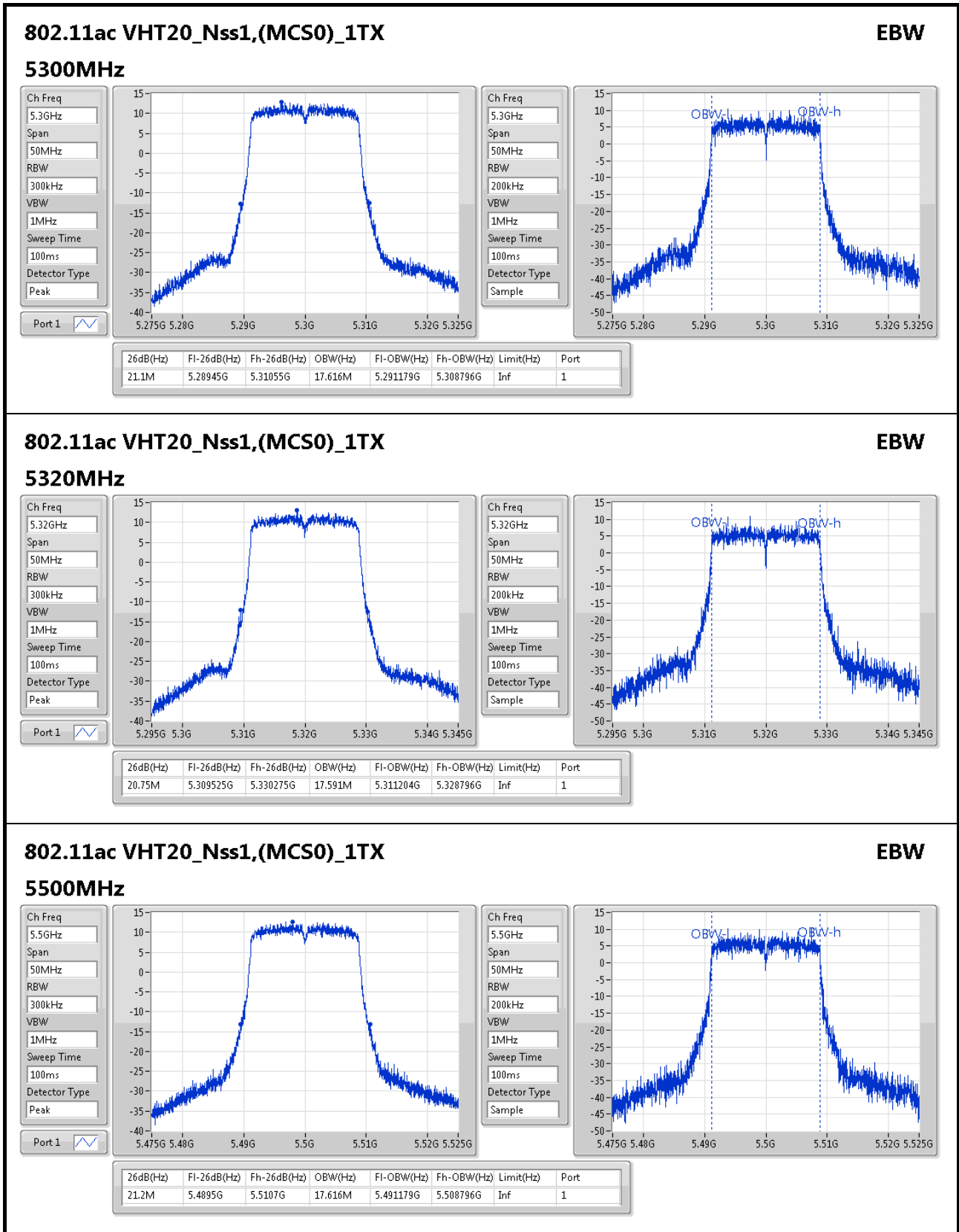
EBW

5180MHz



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.75M   | 5.1698G     | 5.19055G    | 17.641M | 5.171179G  | 5.188821G  | Inf       | 1    |





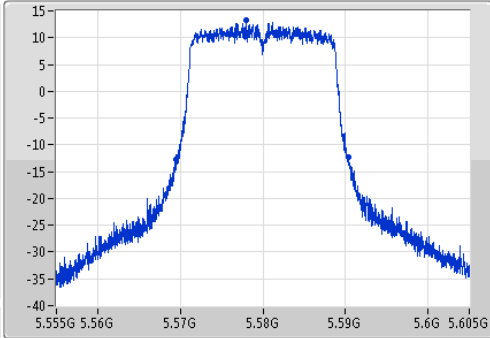


802.11ac VHT20\_Nss1,(MCS0)\_1TX

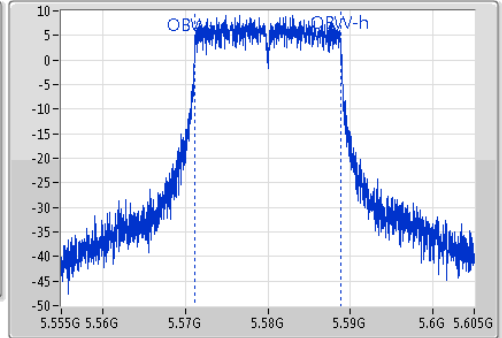
EBW

5580MHz

Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



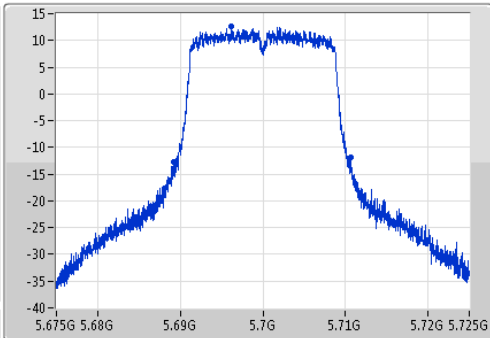
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.925M  | 5.569425G   | 5.59035G    | 17.641M | 5.571179G  | 5.58821G   | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

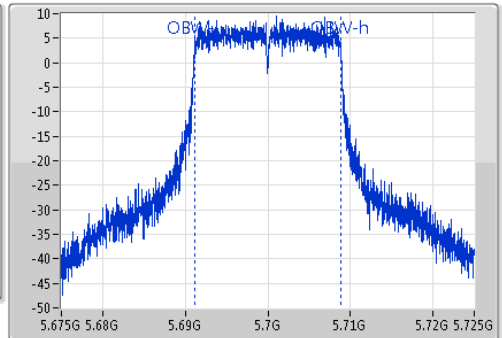
EBW

5700MHz

Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



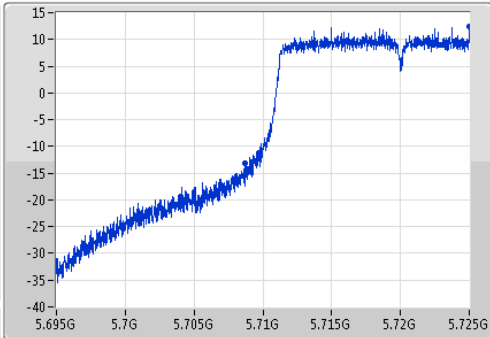
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 21.425M  | 5.6892G     | 5.710625G   | 17.666M | 5.691154G  | 5.708821G  | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

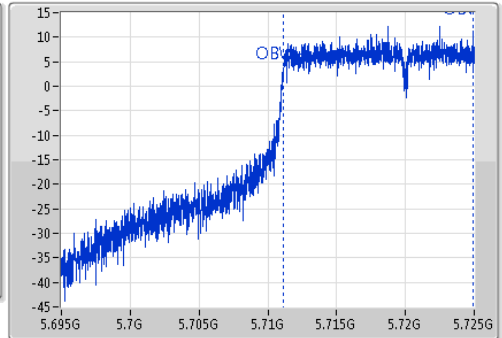
EBW

5720MHz Straddle 5.47-5.725GHz

Ch Freq: 5.71GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.71GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 16.29M   | 5.70871G    | 5.725G      | 13.838M | 5.711094G  | 5.724933G  | Inf       | 1    |

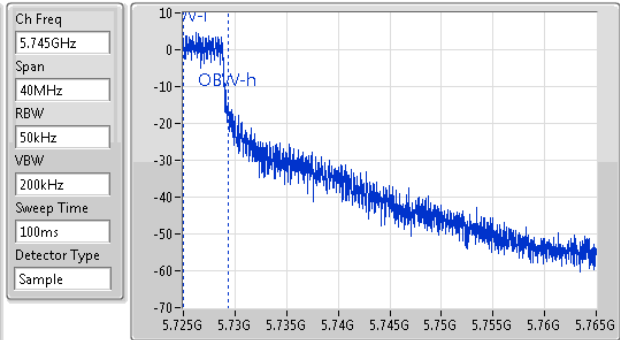
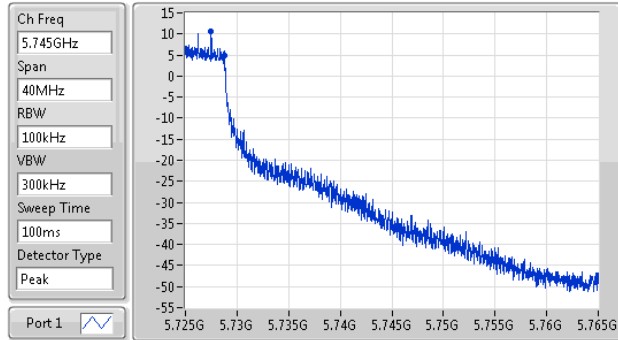




802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

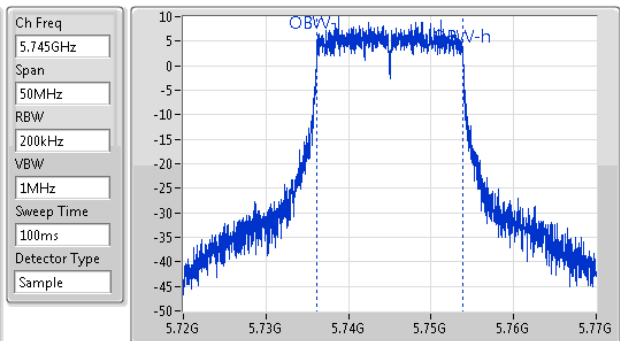
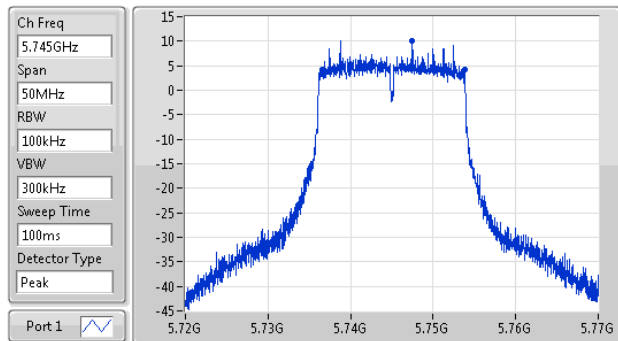


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 3.78M   | 5.725G     | 5.72878G   | 4.378M  | 5.72501G   | 5.729388G  | 500k      | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5745MHz

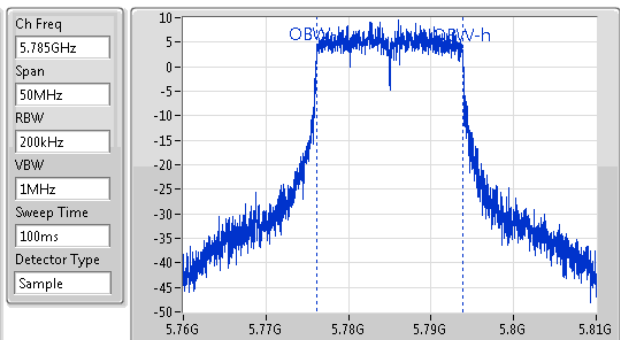
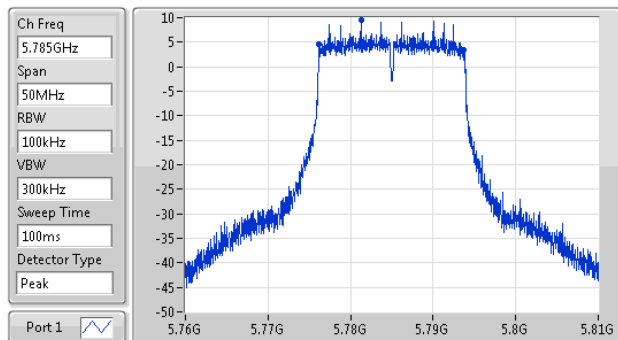


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 17.25M  | 5.736525G  | 5.753775G  | 17.616M | 5.736179G  | 5.753796G  | 500k      | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5785MHz



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 17.525M | 5.776225G  | 5.79375G   | 17.641M | 5.776154G  | 5.793796G  | 500k      | 1    |

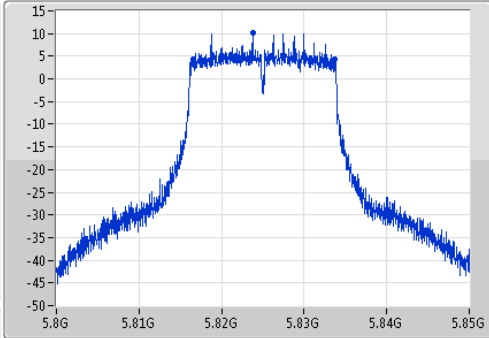


802.11ac VHT20\_Nss1,(MCS0)\_1TX

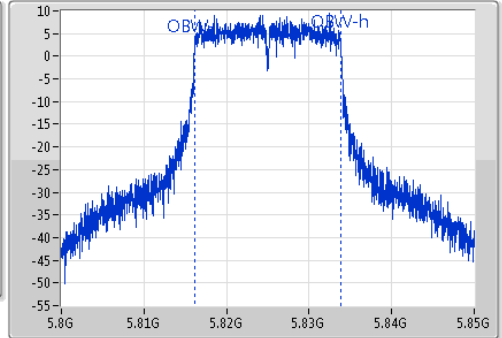
EBW

5825MHz

Ch Freq: 5.825GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



Ch Freq: 5.825GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



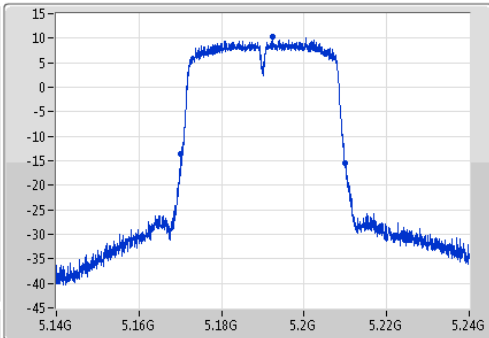
| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 17.125M | 5.816625G  | 5.83375G   | 17.641M | 5.816154G  | 5.833796G  | 500k      | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

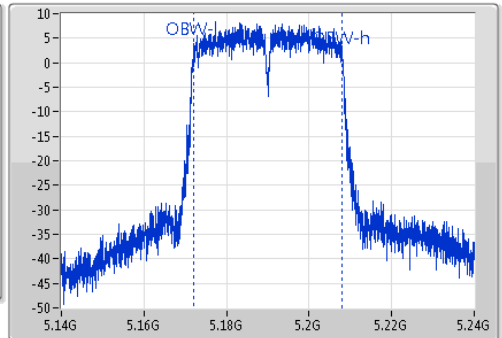
EBW

5190MHz

Ch Freq: 5.19GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



Ch Freq: 5.19GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



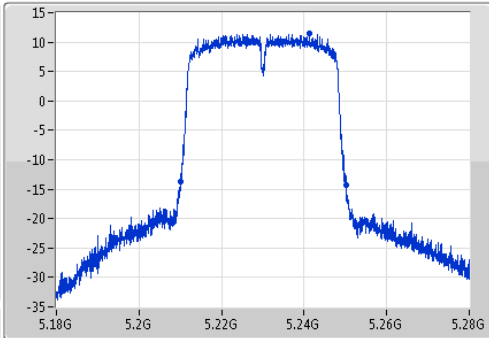
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.85M   | 5.1702G     | 5.21005G    | 36.032M | 5.171959G  | 5.207991G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

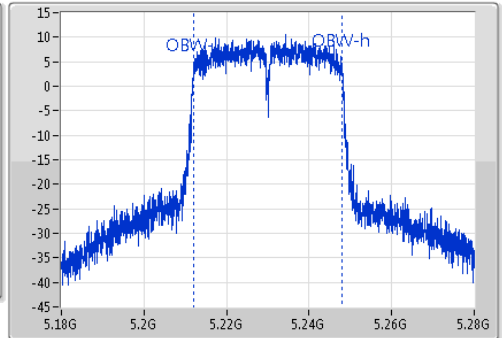
EBW

5230MHz

Ch Freq: 5.23GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



Ch Freq: 5.23GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 40.25M   | 5.20995G    | 5.2502G     | 35.982M | 5.212009G  | 5.247991G  | Inf       | 1    |

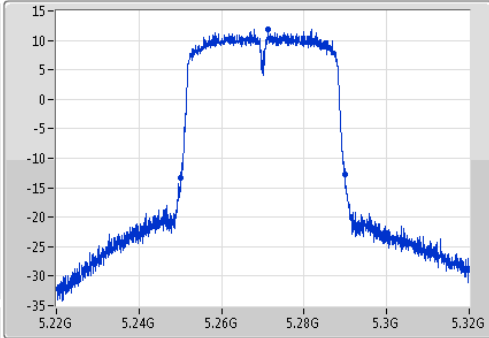


802.11ac VHT40\_Nss1,(MCS0)\_1TX

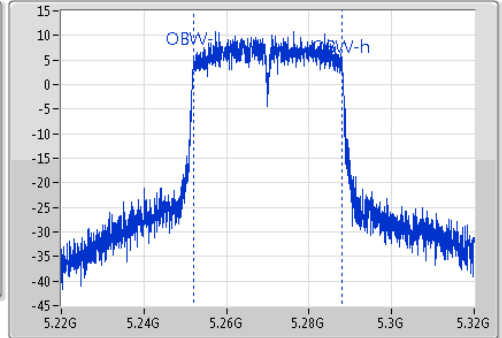
EBW

5270MHz

Ch Freq  
5.27GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



Ch Freq  
5.27GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



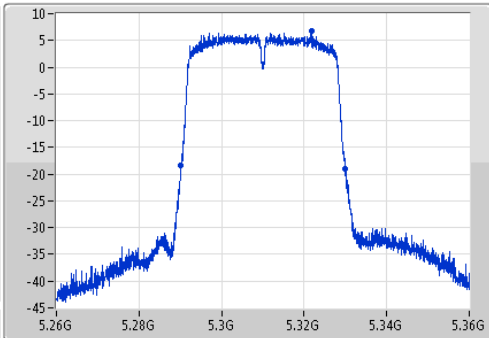
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.9M    | 5.25005G    | 5.28995G    | 35.982M | 5.252009G  | 5.287991G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

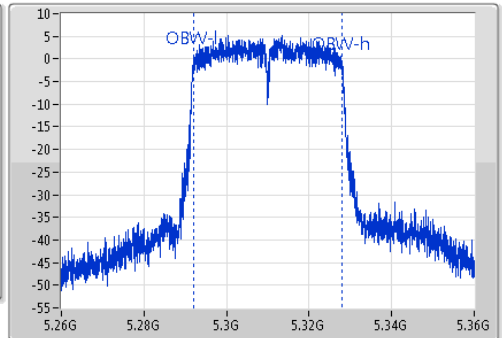
EBW

5310MHz

Ch Freq  
5.31GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



Ch Freq  
5.31GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



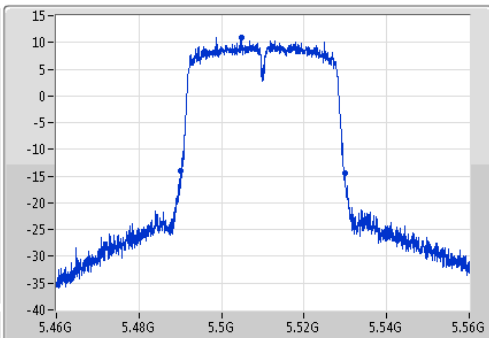
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.85M   | 5.2901G     | 5.32995G    | 35.982M | 5.292009G  | 5.327991G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

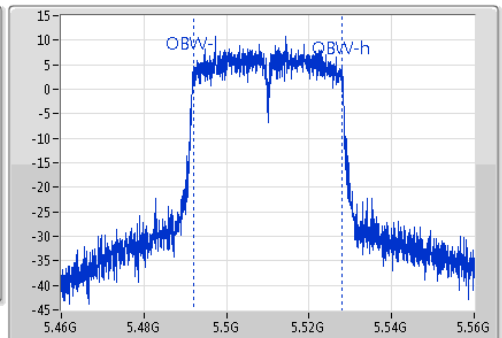
EBW

5510MHz

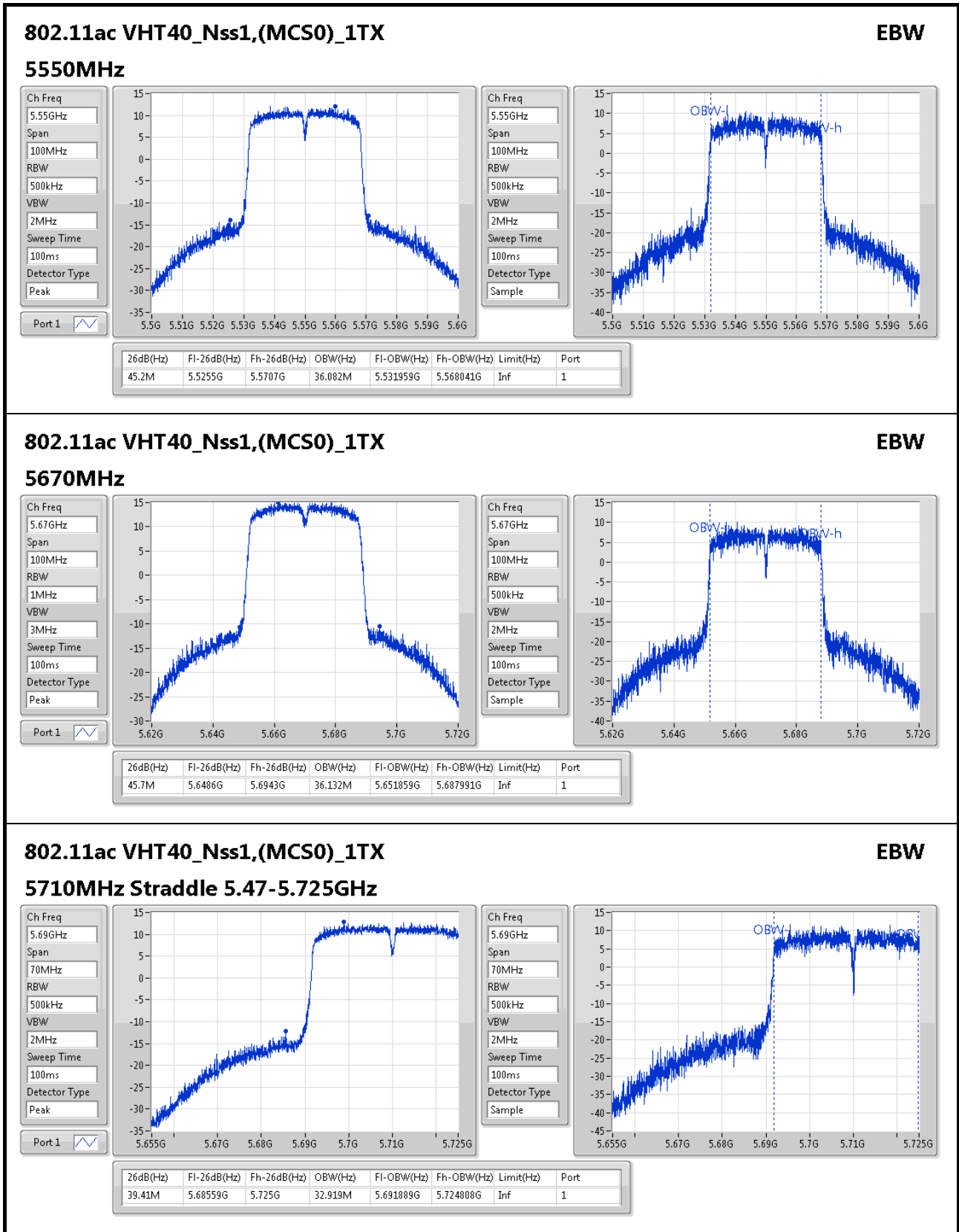
Ch Freq  
5.51GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



Ch Freq  
5.51GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.75M   | 5.49015G    | 5.5299G     | 36.032M | 5.491909G  | 5.527941G  | Inf       | 1    |

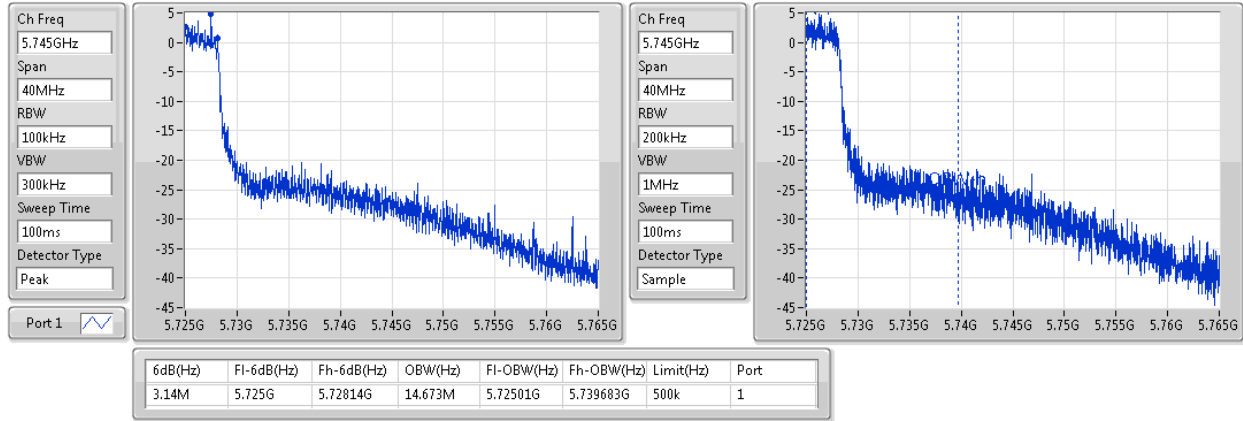




802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

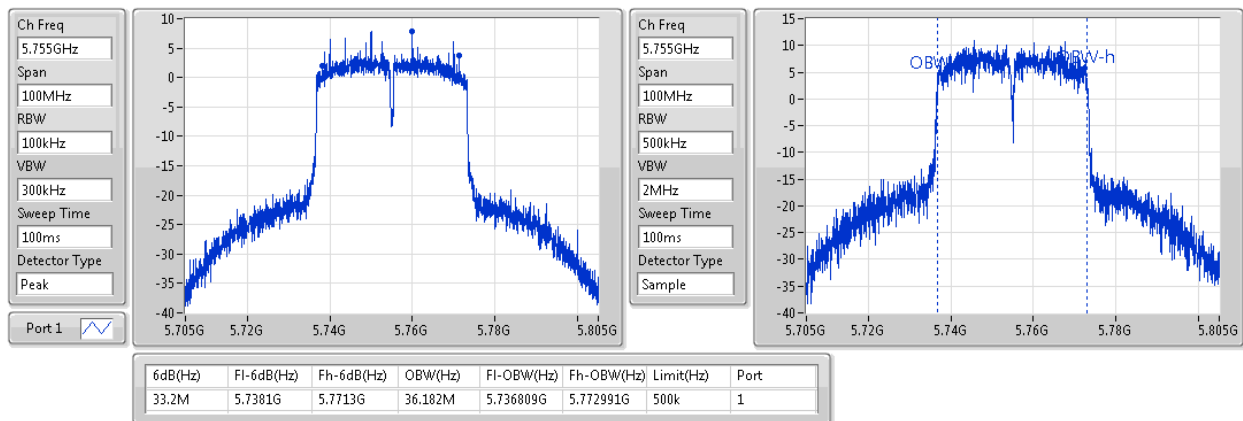
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

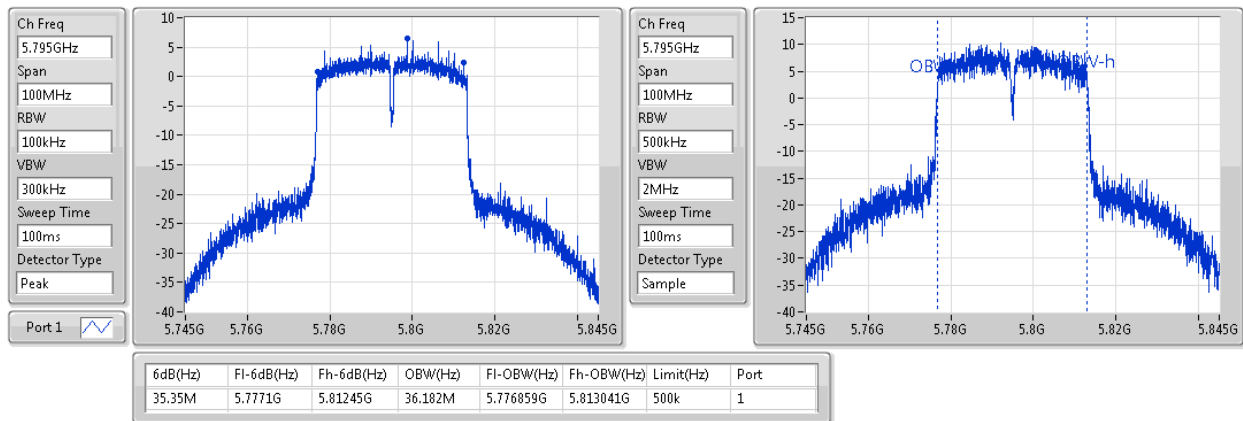
5755MHz



802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5795MHz



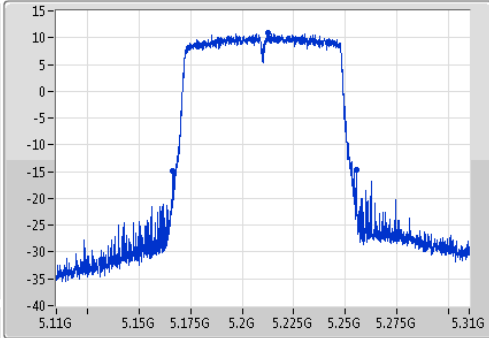


802.11ac VHT80\_Nss1,(MCS0)\_1TX

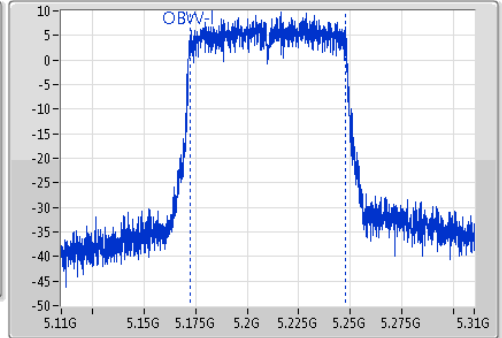
EBW

5210MHz

Ch Freq: 5.21GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.21GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



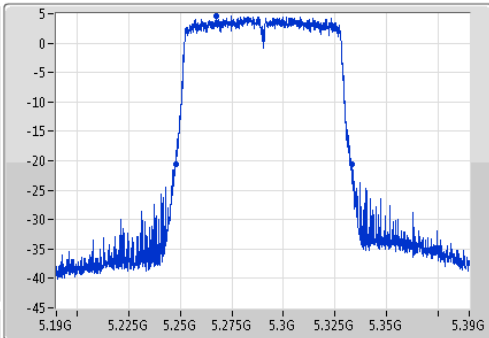
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 89M      | 5.1664G     | 5.2554G     | 75.662M | 5.172119G  | 5.247781G  | Inf       | 1    |

802.11ac VHT80\_Nss1,(MCS0)\_1TX

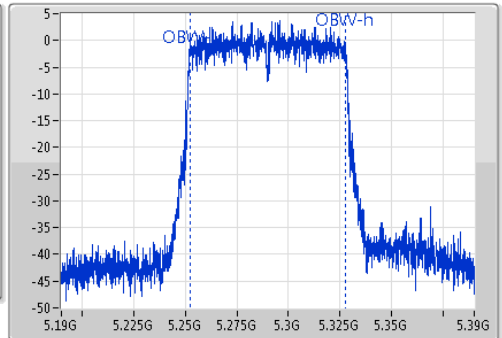
EBW

5290MHz

Ch Freq: 5.29GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.29GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



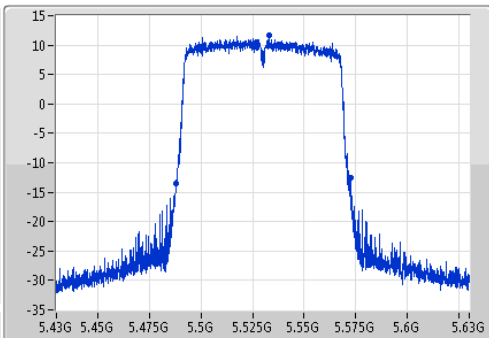
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 85.3M    | 5.2477G     | 5.333G      | 75.662M | 5.252119G  | 5.327781G  | Inf       | 1    |

802.11ac VHT80\_Nss1,(MCS0)\_1TX

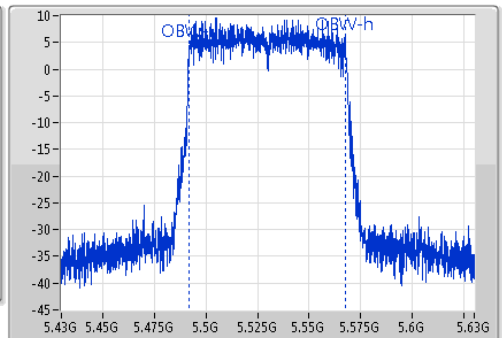
EBW

5530MHz

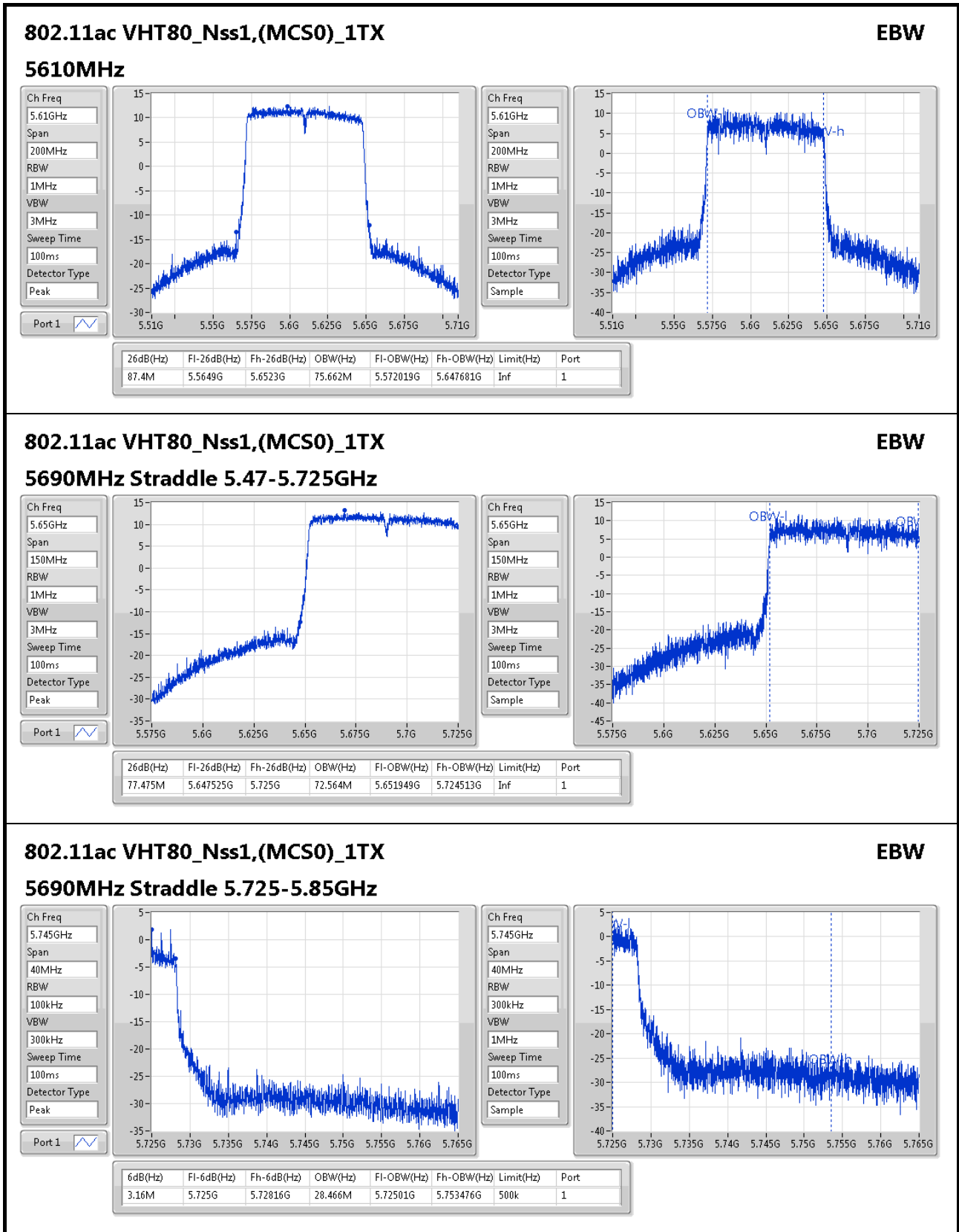
Ch Freq: 5.53GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.53GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 84.8M    | 5.4879G     | 5.5727G     | 75.762M | 5.492019G  | 5.567781G  | Inf       | 1    |





802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5775MHz

Ch Freq  
5.775GHz

Span  
200MHz

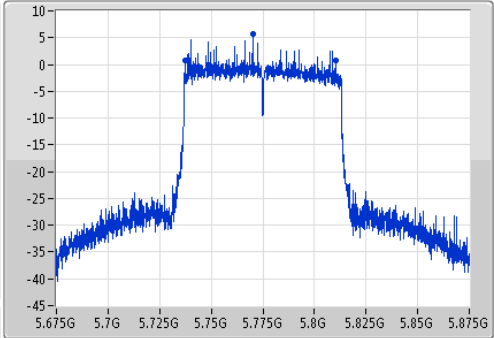
RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1



Ch Freq  
5.775GHz

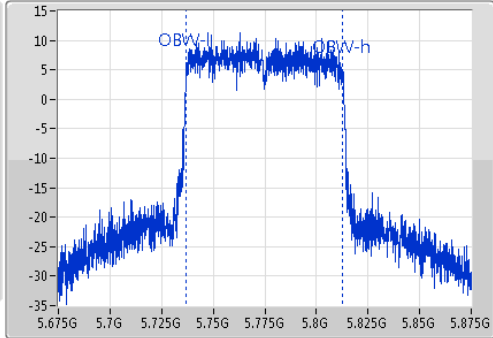
Span  
200MHz

RBW  
1MHz

VBW  
3MHz

Sweep Time  
100ms

Detector Type  
Sample



| 6dB(Hz) | F1-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | F1-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 72.7M   | 5.7374G    | 5.8101G    | 75.862M | 5.736919G  | 5.812781G  | 500k      | 1    |





**For Set 2 antennas / 2TX:**  
**<For Non-Beamforming Mode>**  
**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11a_(6Mbps)_2TX            | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 19.7M            | 16.442M         | 16M4D1D  | 19.3M            | 16.417M         |
| 5.25-5.35GHz                   | 19.375M          | 16.417M         | 16M4D1D  | 18.95M           | 16.417M         |
| 5.47-5.725GHz                  | 19.8M            | 16.417M         | 16M4D1D  | 14.49M           | 13.178M         |
| 5.725-5.85GHz                  | 16.3M            | 16.442M         | 16M4D1D  | 3.14M            | 3.478M          |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 20.85M           | 17.641M         | 17M6D1D  | 20M              | 17.591M         |
| 5.25-5.35GHz                   | 20.55M           | 17.641M         | 17M6D1D  | 20M              | 17.591M         |
| 5.47-5.725GHz                  | 20.4M            | 17.616M         | 17M6D1D  | 15.06M           | 13.763M         |
| 5.725-5.85GHz                  | 17.5M            | 17.666M         | 17M7D1D  | 3.38M            | 3.918M          |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 40.15M           | 35.982M         | 36M0D1D  | 39.5M            | 35.882M         |
| 5.25-5.35GHz                   | 40M              | 35.982M         | 36M0D1D  | 39.55M           | 35.882M         |
| 5.47-5.725GHz                  | 40.05M           | 36.032M         | 36M0D1D  | 34.825M          | 32.814M         |
| 5.725-5.85GHz                  | 35.3M            | 36.032M         | 36M0D1D  | 3.18M            | 3.818M          |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 86.8M            | 75.862M         | 75M9D1D  | 84.1M            | 75.562M         |
| 5.25-5.35GHz                   | 87.8M            | 75.962M         | 76M0D1D  | 84.6M            | 75.662M         |
| 5.47-5.725GHz                  | 85.9M            | 75.862M         | 75M9D1D  | 77.1M            | 72.564M         |
| 5.725-5.85GHz                  | 75.1M            | 75.762M         | 75M8D1D  | 3.12M            | 6.177M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Min-OBW** = Minimum 99% occupied bandwidth;



Result

| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11a_(6Mbps)_2TX            | -      | -          | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 19.375M          | 16.417M         | 19.65M           | 16.417M         |
| 5200MHz                        | Pass   | Inf        | 19.4M            | 16.442M         | 19.7M            | 16.417M         |
| 5240MHz                        | Pass   | Inf        | 19.3M            | 16.417M         | 19.425M          | 16.442M         |
| 5260MHz                        | Pass   | Inf        | 19.375M          | 16.417M         | 19.025M          | 16.417M         |
| 5300MHz                        | Pass   | Inf        | 18.95M           | 16.417M         | 19.15M           | 16.417M         |
| 5320MHz                        | Pass   | Inf        | 19.025M          | 16.417M         | 19.125M          | 16.417M         |
| 5500MHz                        | Pass   | Inf        | 19M              | 16.417M         | 19.075M          | 16.392M         |
| 5580MHz                        | Pass   | Inf        | 19.25M           | 16.392M         | 19.1M            | 16.392M         |
| 5700MHz                        | Pass   | Inf        | 19.325M          | 16.392M         | 19.8M            | 16.392M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 14.49M           | 13.178M         | 14.985M          | 13.178M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.16M            | 3.478M          | 3.14M            | 3.478M          |
| 5745MHz                        | Pass   | 500k       | 16.3M            | 16.417M         | 16.05M           | 16.417M         |
| 5785MHz                        | Pass   | 500k       | 16.3M            | 16.417M         | 16.25M           | 16.417M         |
| 5825MHz                        | Pass   | 500k       | 16.3M            | 16.442M         | 16.3M            | 16.417M         |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 20.775M          | 17.616M         | 20.85M           | 17.616M         |
| 5200MHz                        | Pass   | Inf        | 20.8M            | 17.641M         | 20.725M          | 17.616M         |
| 5240MHz                        | Pass   | Inf        | 20.675M          | 17.591M         | 20M              | 17.616M         |
| 5260MHz                        | Pass   | Inf        | 20.425M          | 17.591M         | 20.425M          | 17.616M         |
| 5300MHz                        | Pass   | Inf        | 20.475M          | 17.641M         | 20.5M            | 17.616M         |
| 5320MHz                        | Pass   | Inf        | 20.55M           | 17.616M         | 20M              | 17.641M         |
| 5500MHz                        | Pass   | Inf        | 20M              | 17.591M         | 19.975M          | 17.591M         |
| 5580MHz                        | Pass   | Inf        | 19.975M          | 17.566M         | 20.4M            | 17.591M         |
| 5700MHz                        | Pass   | Inf        | 20.375M          | 17.616M         | 20.35M           | 17.591M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 15.18M           | 13.793M         | 15.06M           | 13.763M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.8M             | 3.918M          | 3.38M            | 3.998M          |
| 5745MHz                        | Pass   | 500k       | 17.175M          | 17.616M         | 17.275M          | 17.641M         |
| 5785MHz                        | Pass   | 500k       | 16.55M           | 17.641M         | 17.15M           | 17.666M         |
| 5825MHz                        | Pass   | 500k       | 17.3M            | 17.616M         | 17.5M            | 17.641M         |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5190MHz                        | Pass   | Inf        | 39.85M           | 35.932M         | 40.15M           | 35.982M         |
| 5230MHz                        | Pass   | Inf        | 39.5M            | 35.882M         | 40.05M           | 35.982M         |
| 5270MHz                        | Pass   | Inf        | 39.9M            | 35.882M         | 39.55M           | 35.932M         |
| 5310MHz                        | Pass   | Inf        | 40M              | 35.982M         | 39.95M           | 35.982M         |
| 5510MHz                        | Pass   | Inf        | 39.55M           | 35.982M         | 39.9M            | 36.032M         |
| 5550MHz                        | Pass   | Inf        | 39.6M            | 35.982M         | 40.05M           | 36.032M         |
| 5670MHz                        | Pass   | Inf        | 40M              | 35.982M         | 39.8M            | 35.982M         |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 34.825M          | 32.814M         | 35.245M          | 32.849M         |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.18M            | 3.998M          | 3.24M            | 3.818M          |
| 5755MHz                        | Pass   | 500k       | 35.3M            | 35.982M         | 35.1M            | 36.032M         |
| 5795MHz                        | Pass   | 500k       | 30M              | 35.982M         | 33.75M           | 35.932M         |



| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11ac VHT80_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5210MHz                        | Pass   | Inf        | 84.1M            | 75.562M         | 86.8M            | 75.862M         |
| 5290MHz                        | Pass   | Inf        | 84.6M            | 75.662M         | 87.8M            | 75.962M         |
| 5530MHz                        | Pass   | Inf        | 85.2M            | 75.762M         | 85.9M            | 75.662M         |
| 5610MHz                        | Pass   | Inf        | 85M              | 75.862M         | 84.7M            | 75.762M         |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 77.1M            | 72.564M         | 77.625M          | 72.564M         |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.12M            | 6.177M          | 3.14M            | 7.096M          |
| 5775MHz                        | Pass   | 500k       | 75M              | 75.662M         | 75.1M            | 75.762M         |

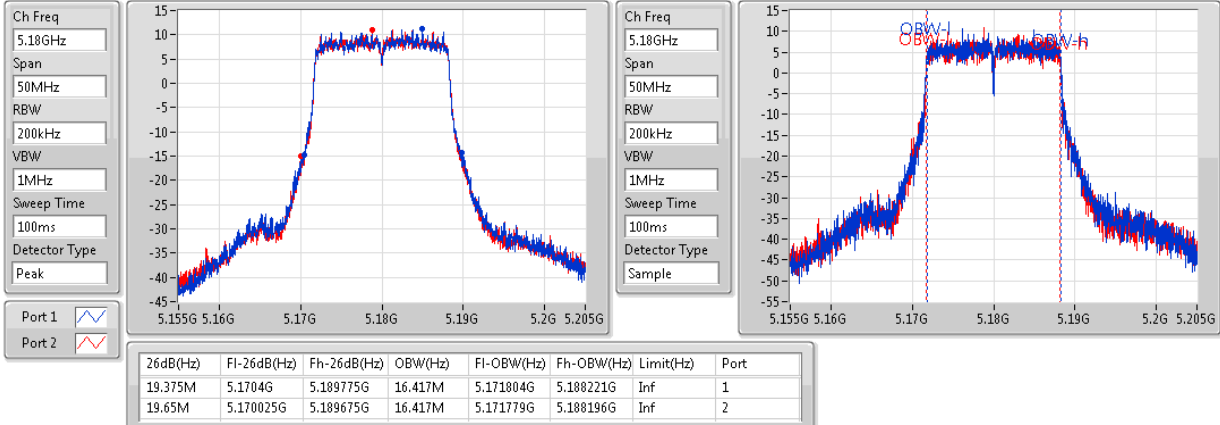
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth;



### 802.11a\_(6Mbps)\_2TX

EBW

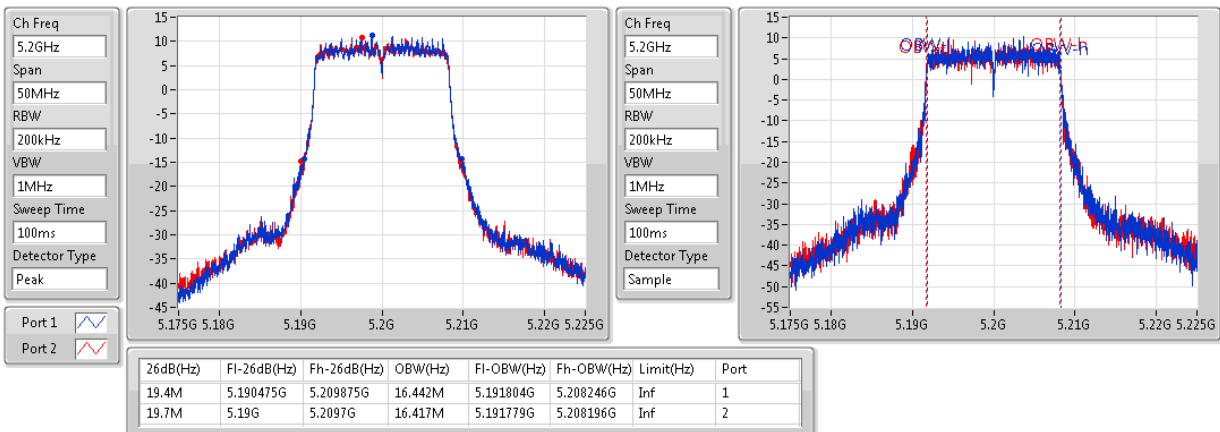
#### 5180MHz



### 802.11a\_(6Mbps)\_2TX

EBW

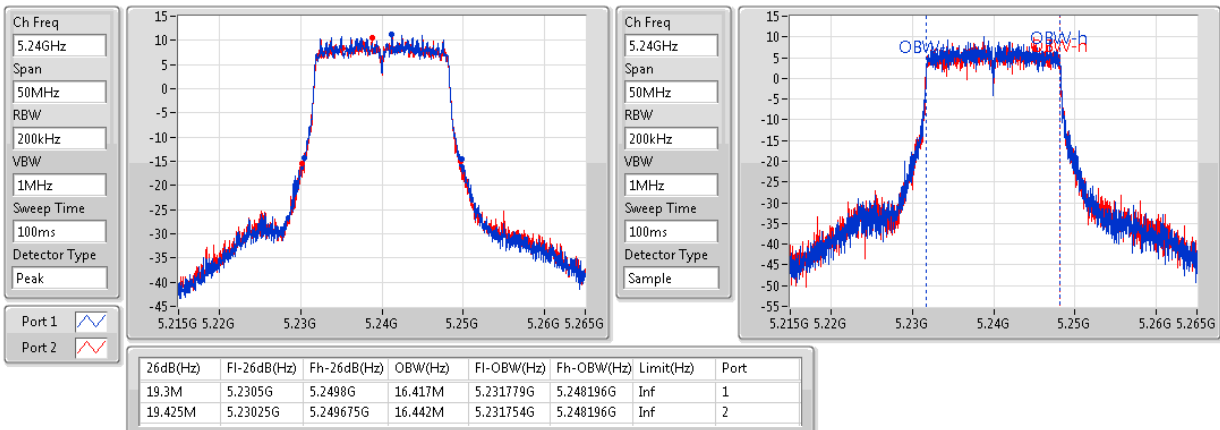
#### 5200MHz

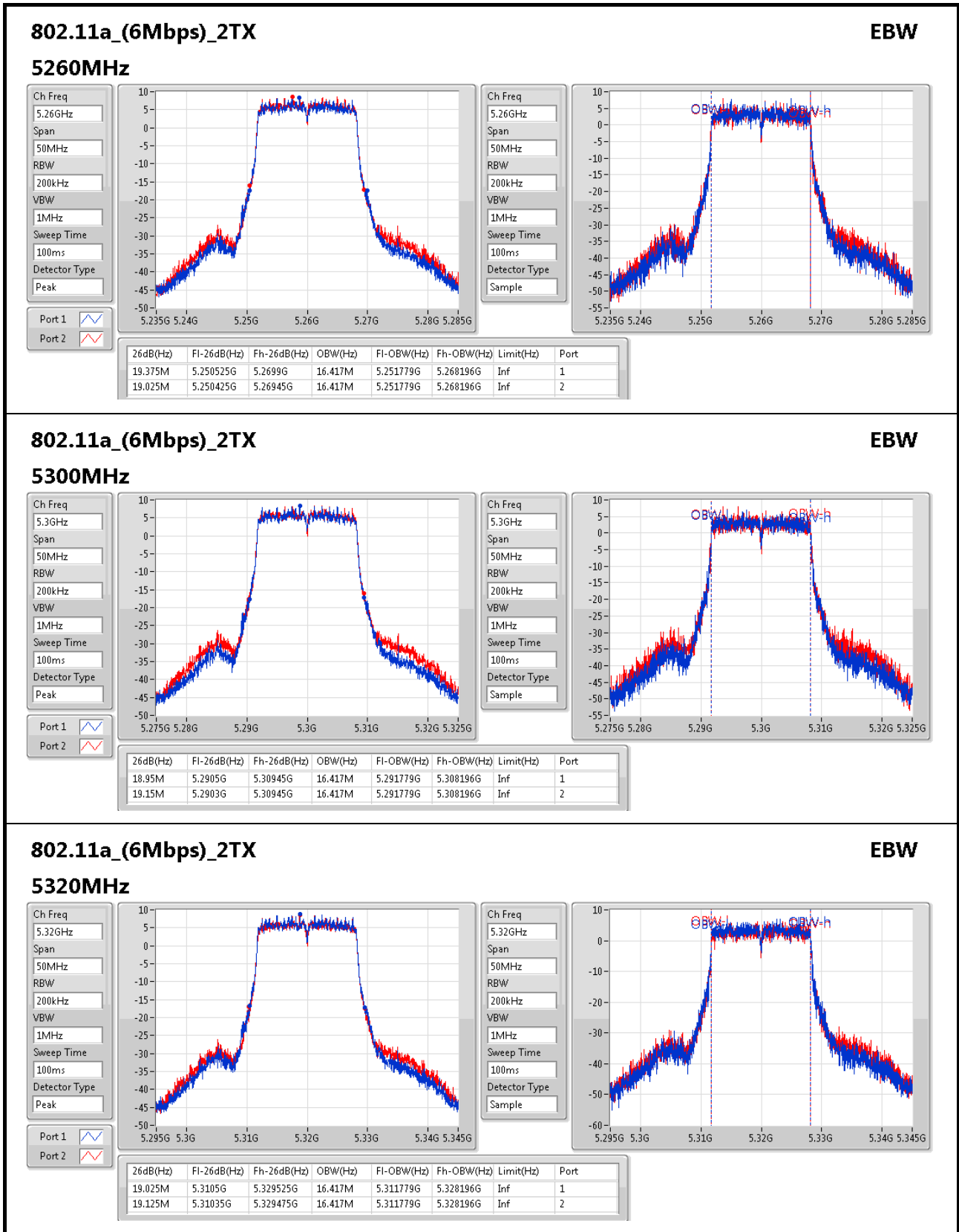


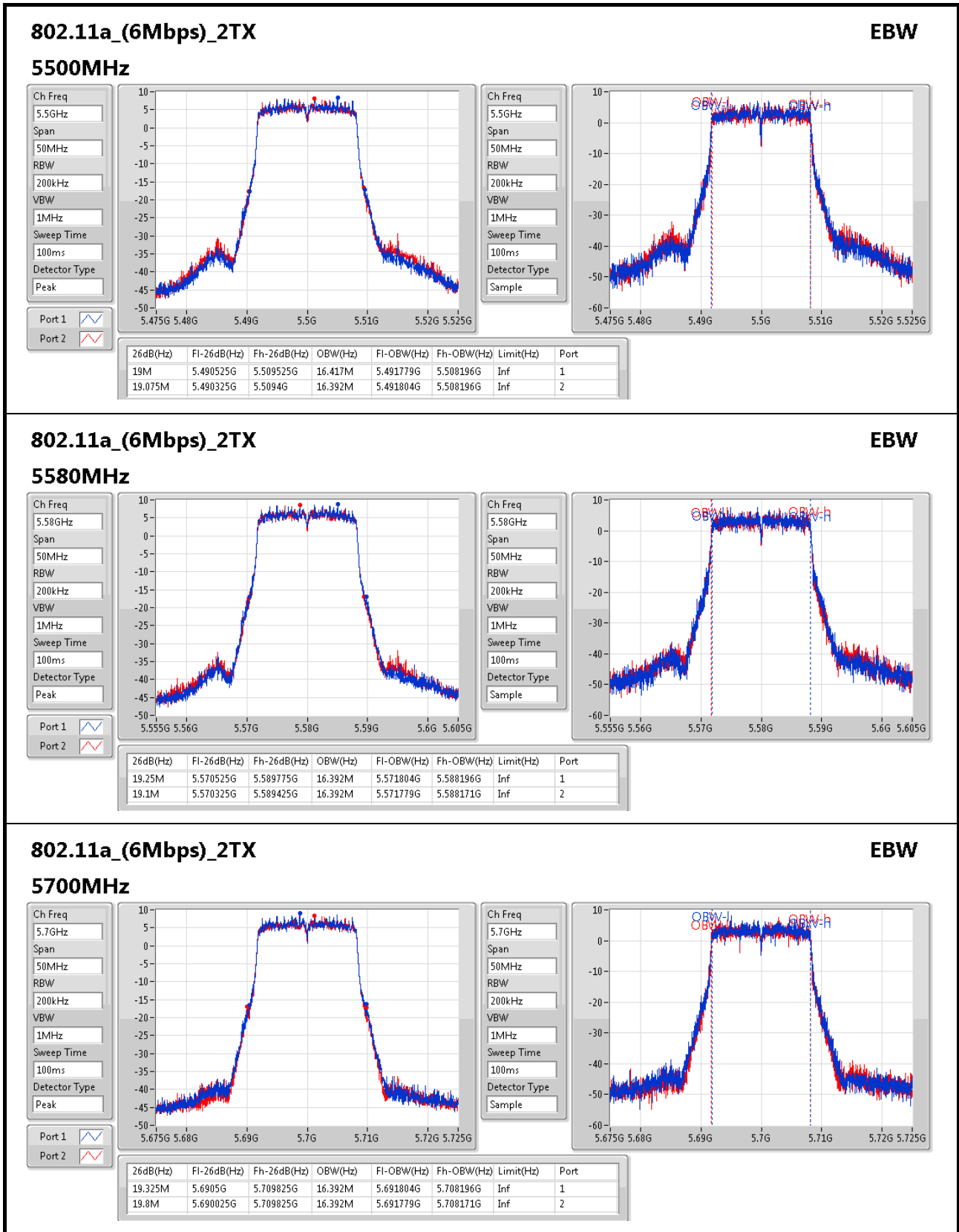
### 802.11a\_(6Mbps)\_2TX

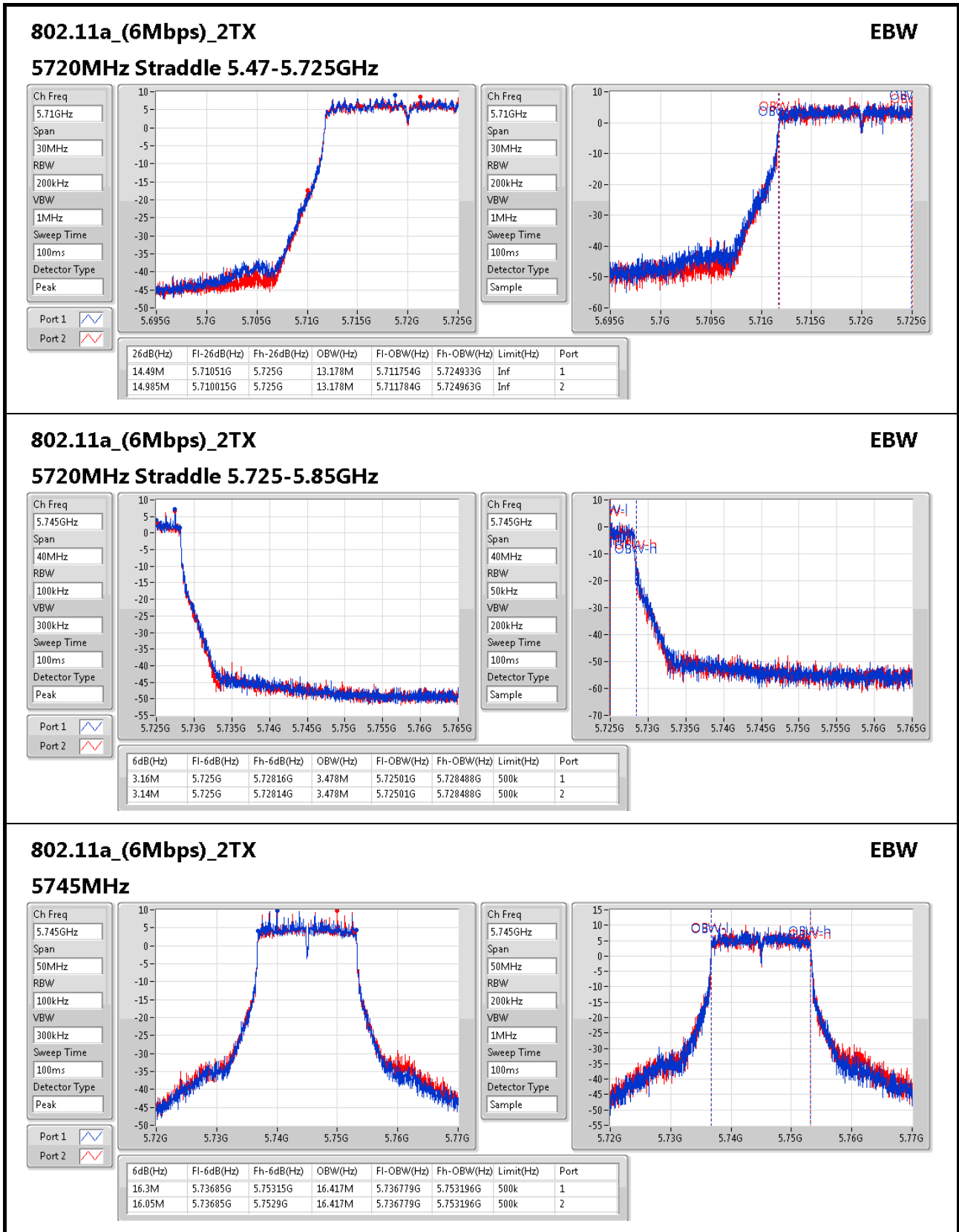
EBW

#### 5240MHz







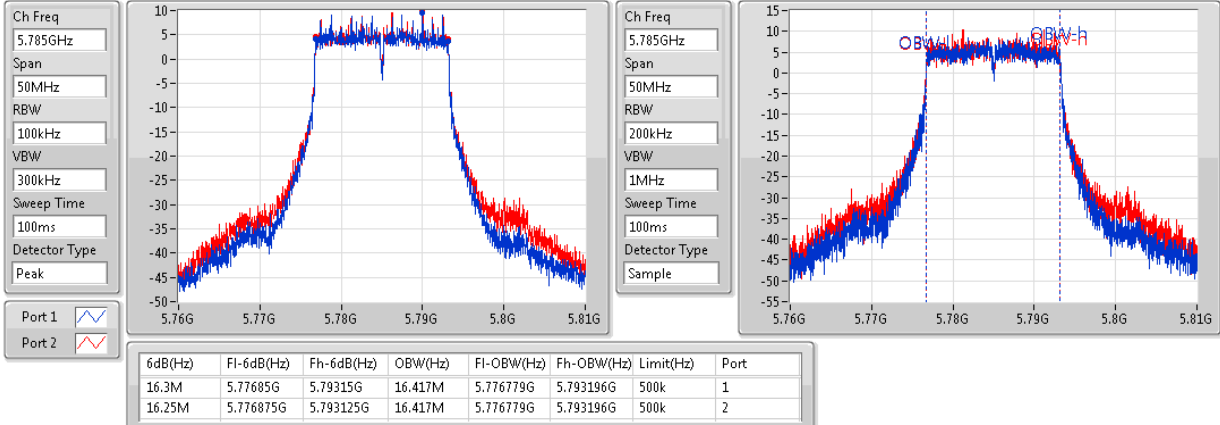




802.11a\_(6Mbps)\_2TX

EBW

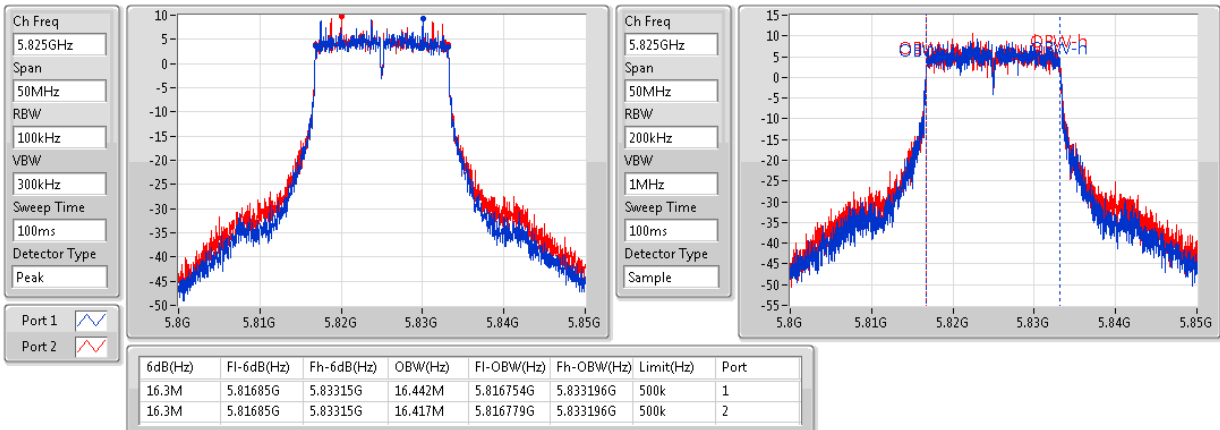
5785MHz



802.11a\_(6Mbps)\_2TX

EBW

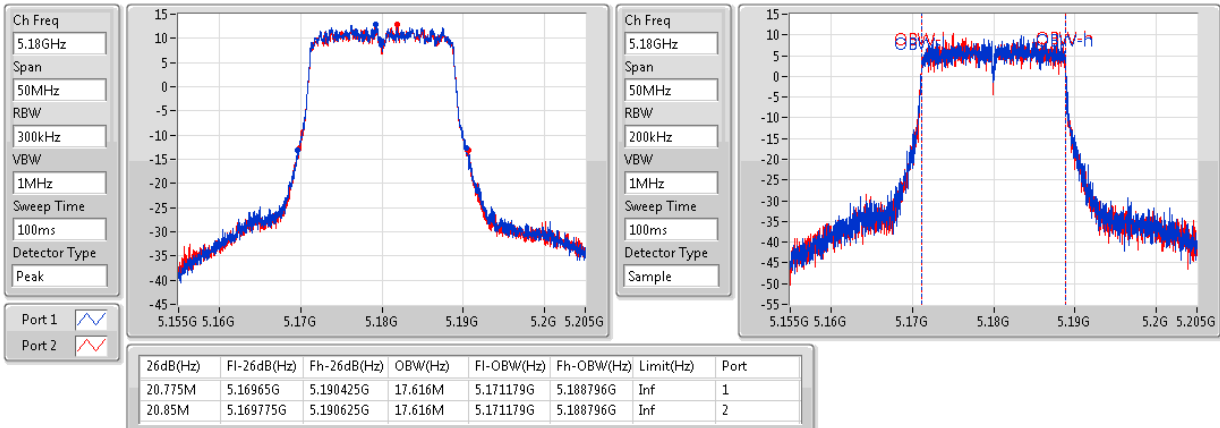
5825MHz



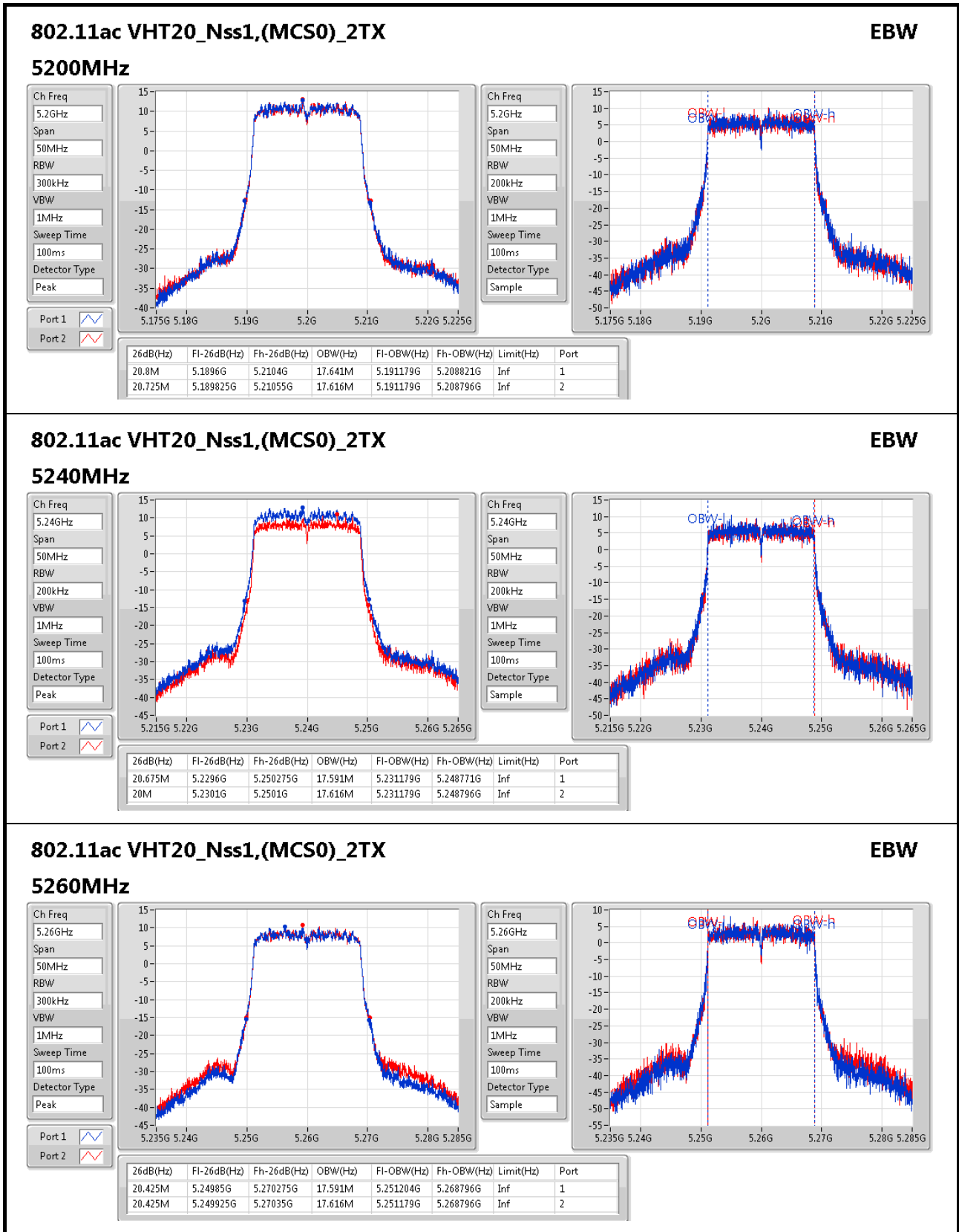
802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5180MHz





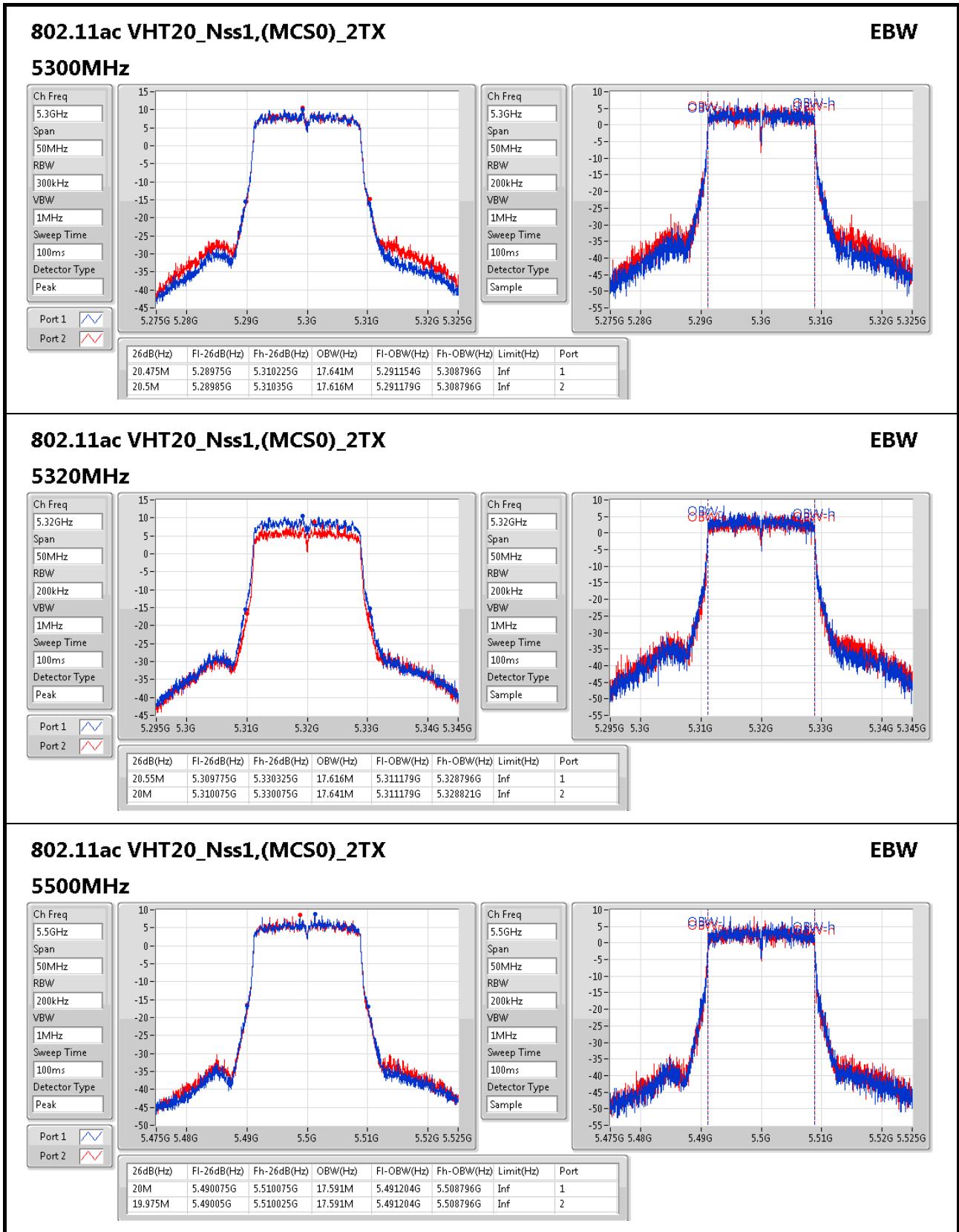

**802.11ac VHT20\_Nss1,(MCS0)\_2TX**
**EBW**

**5260MHz**

Ch Freq: 5.26GHz  
Span: 50MHz  
RBW: 300kHz  
VBW: 1MHz  
Sweep Time: 100ms  
Detector Type: Peak

Ch Freq: 5.26GHz  
Span: 50MHz  
RBW: 200kHz  
VBW: 1MHz  
Sweep Time: 100ms  
Detector Type: Sample

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.425M  | 5.24985G    | 5.270275G   | 17.591M | 5.251204G  | 5.268796G  | Inf       | 1    |
| 20.425M  | 5.249925G   | 5.27035G    | 17.616M | 5.251179G  | 5.268796G  | Inf       | 2    |



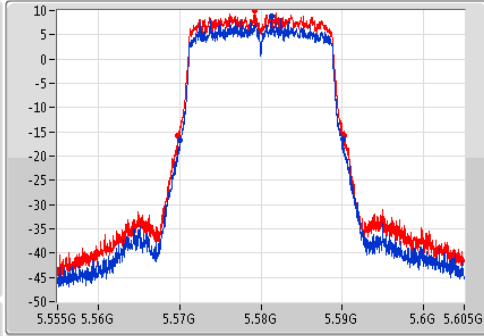


802.11ac VHT20\_Nss1,(MCS0)\_2TX

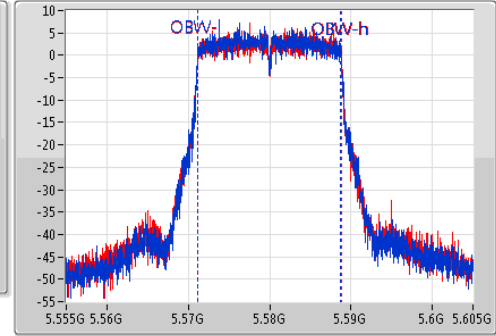
EBW

5580MHz

Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Blue Arrow]  
 Port 2: [Red Arrow]

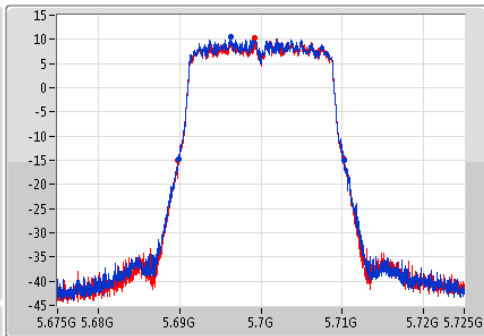
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.975M  | 5.5701G     | 5.590075G   | 17.566M | 5.571204G  | 5.588771G  | Inf       | 1    |
| 20.4M    | 5.5698G     | 5.5902G     | 17.591M | 5.571204G  | 5.588796G  | Inf       | 2    |

802.11ac VHT20\_Nss1,(MCS0)\_2TX

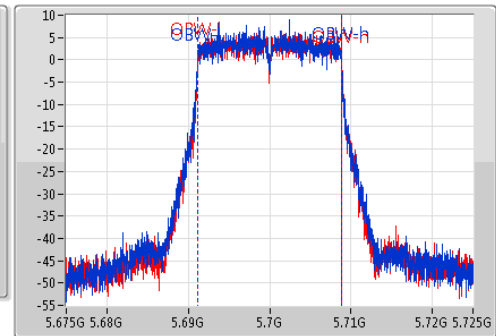
EBW

5700MHz

Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Blue Arrow]  
 Port 2: [Red Arrow]

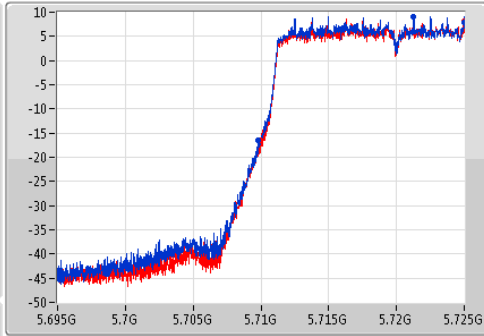
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.375M  | 5.68985G    | 5.710225G   | 17.616M | 5.691179G  | 5.708796G  | Inf       | 1    |
| 20.35M   | 5.689825G   | 5.710175G   | 17.591M | 5.691204G  | 5.708796G  | Inf       | 2    |

802.11ac VHT20\_Nss1,(MCS0)\_2TX

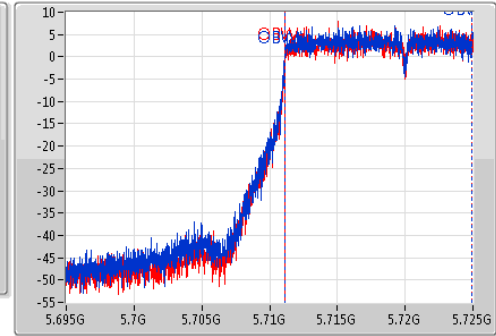
EBW

5720MHz Straddle 5.47-5.725GHz

Ch Freq: 5.71GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.71GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Blue Arrow]  
 Port 2: [Red Arrow]

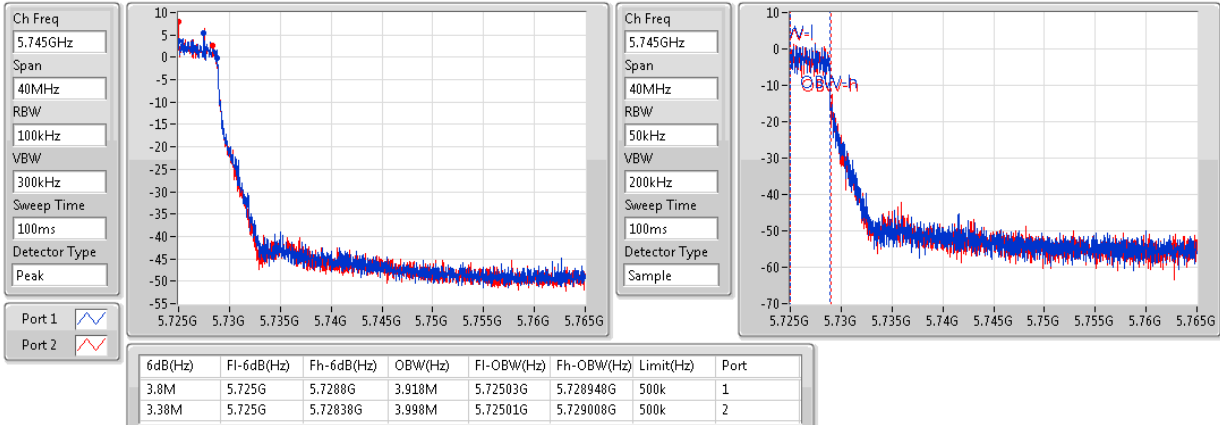
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 15.18M   | 5.70982G    | 5.725G      | 13.793M | 5.711154G  | 5.724948G  | Inf       | 1    |
| 15.06M   | 5.70994G    | 5.725G      | 13.763M | 5.711169G  | 5.724933G  | Inf       | 2    |



802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

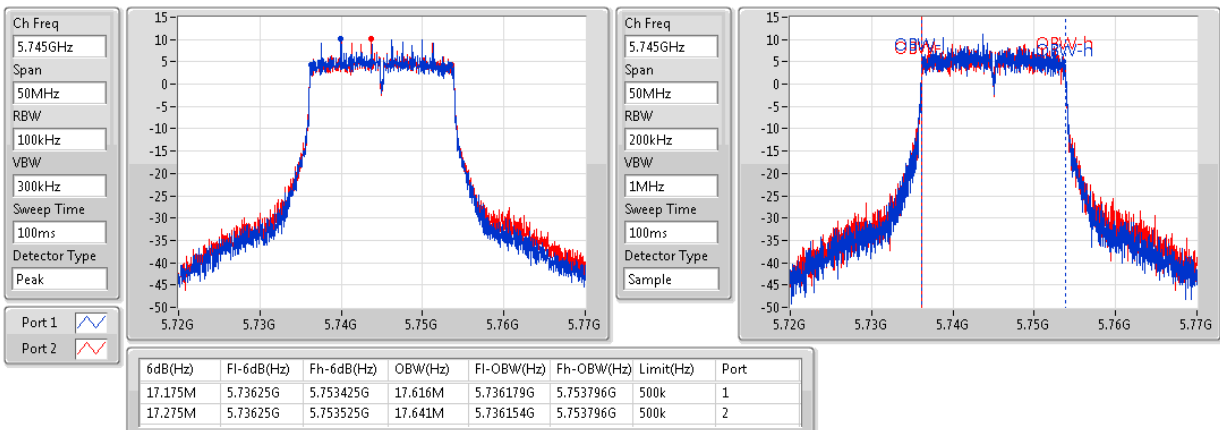
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

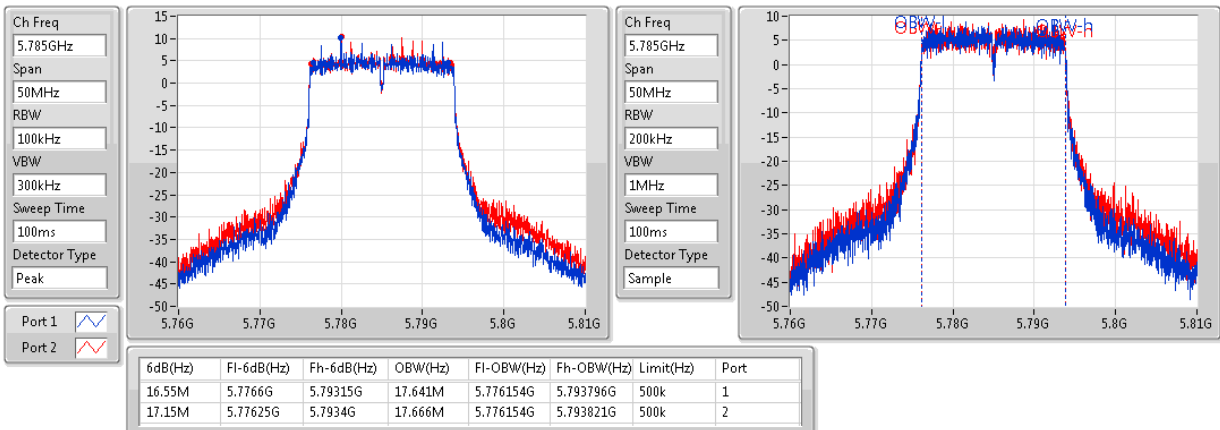
5745MHz



802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5785MHz

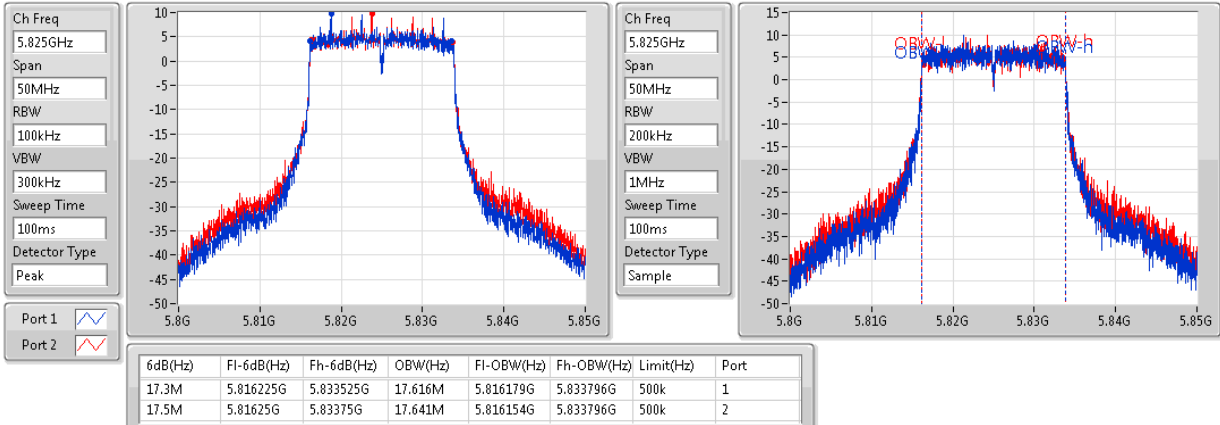




802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

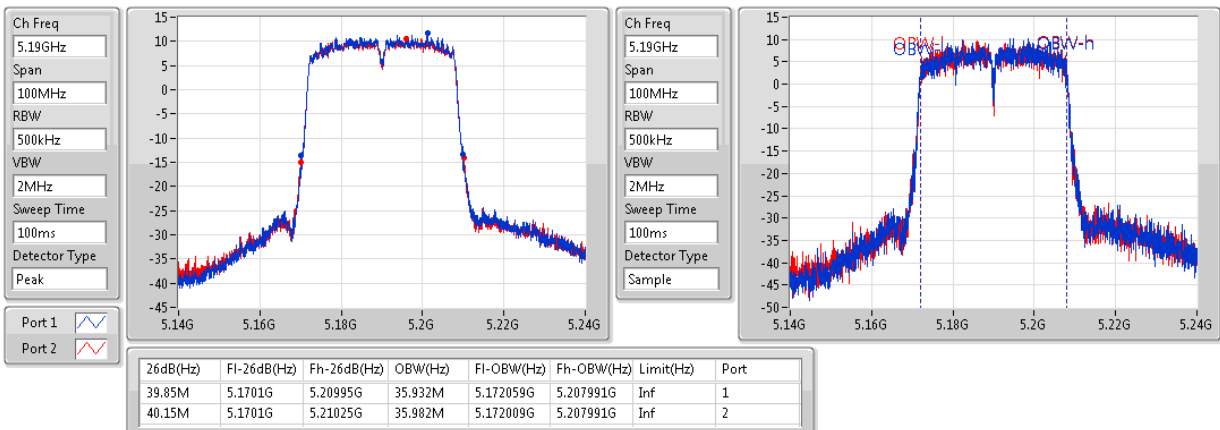
5825MHz



802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

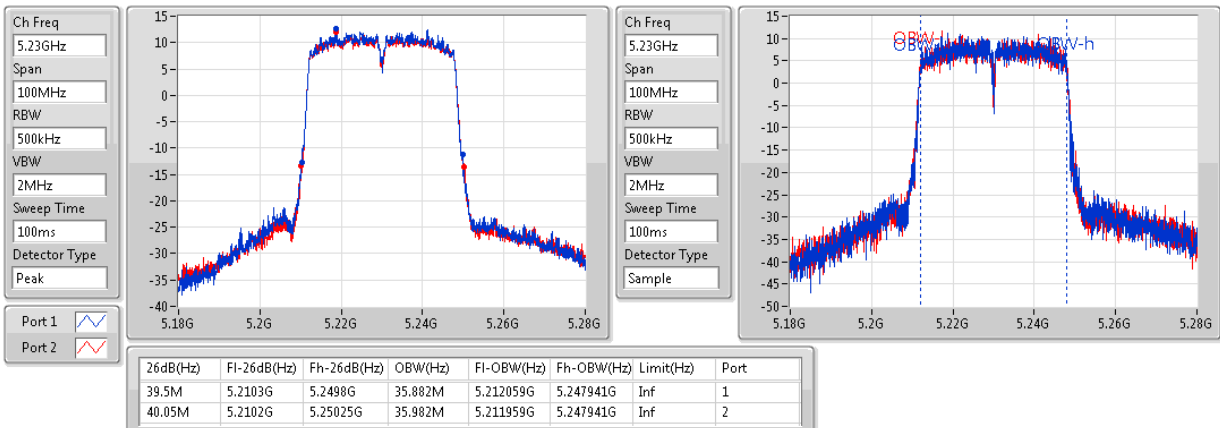
5190MHz



802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5230MHz

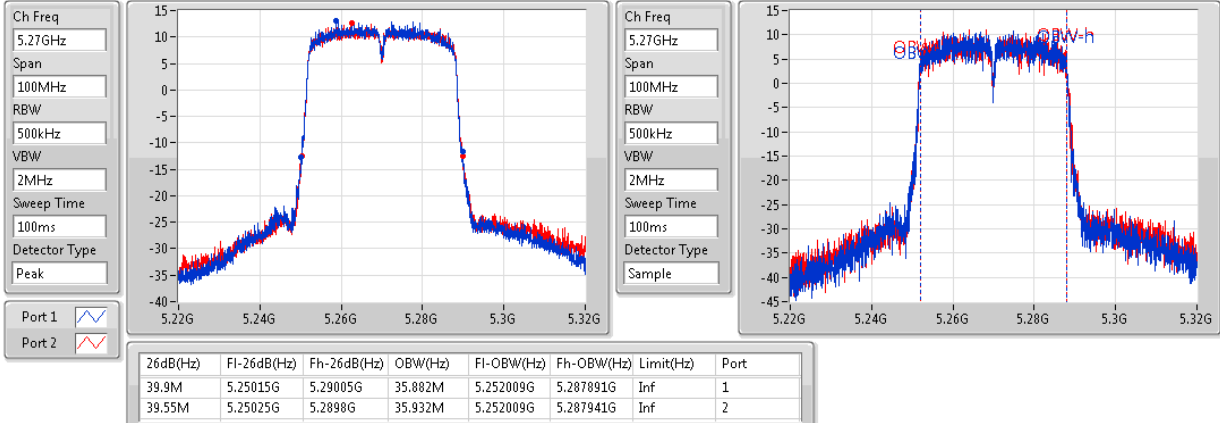




802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

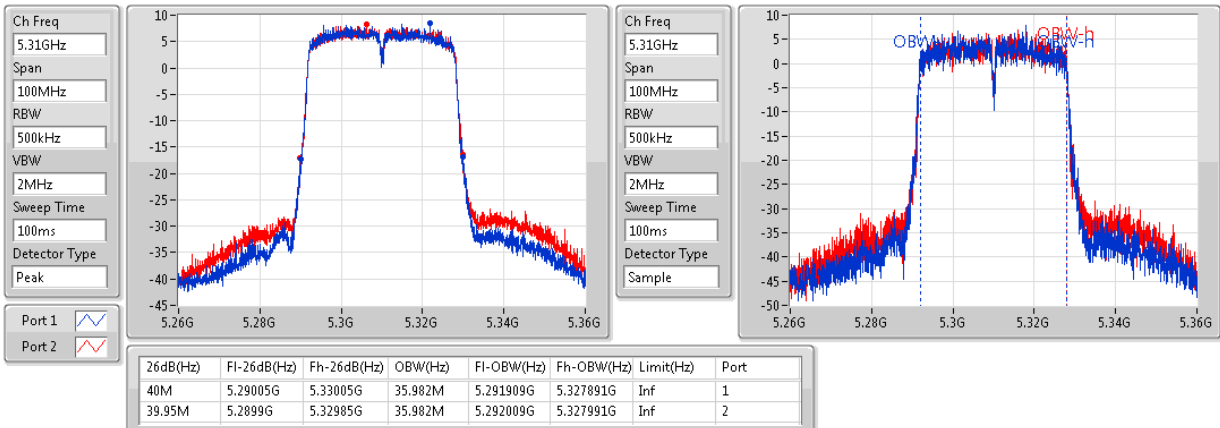
5270MHz



802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

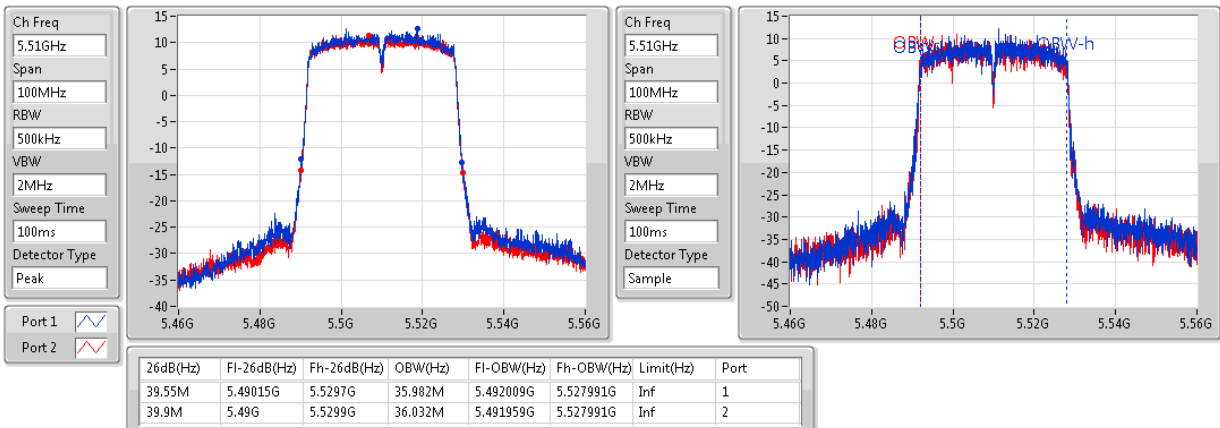
5310MHz

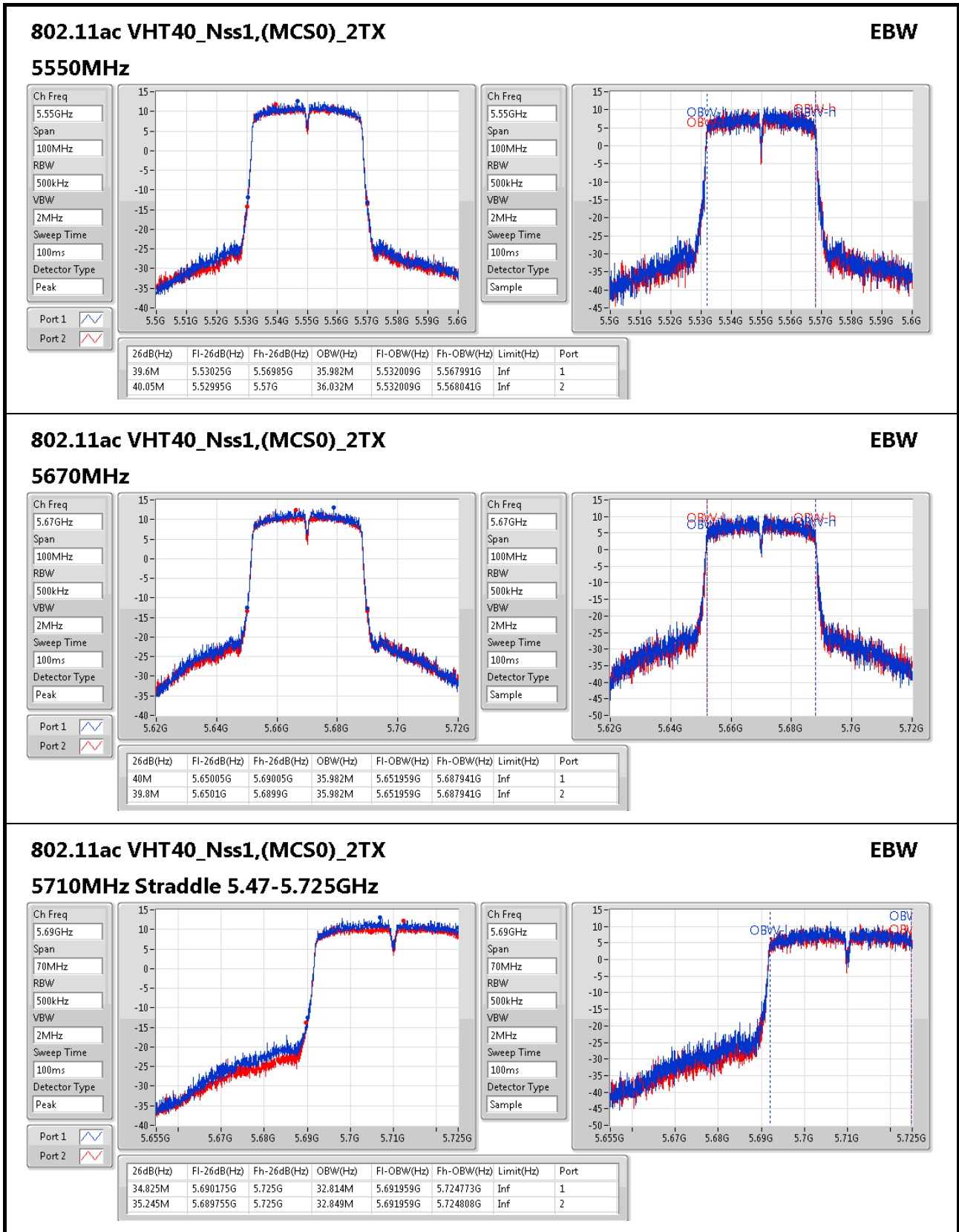


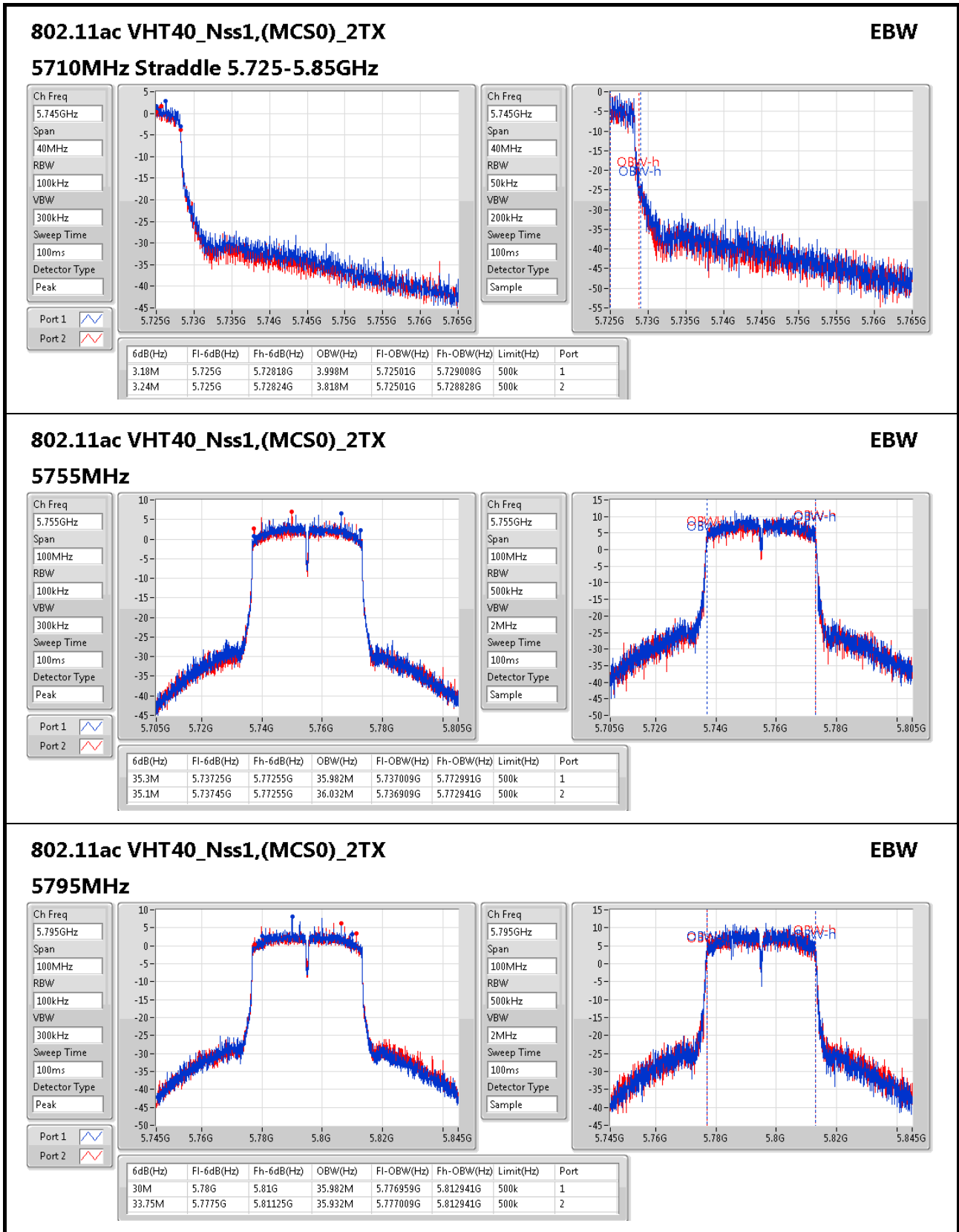
802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5510MHz






**802.11ac VHT40\_Nss1,(MCS0)\_2TX**
**EBW**

**5795MHz**

Ch Freq: 5.795GHz  
Span: 100MHz  
RBW: 100kHz  
VBW: 300kHz  
Sweep Time: 100ms  
Detector Type: Peak

Ch Freq: 5.795GHz  
Span: 100MHz  
RBW: 500kHz  
VBW: 2MHz  
Sweep Time: 100ms  
Detector Type: Sample

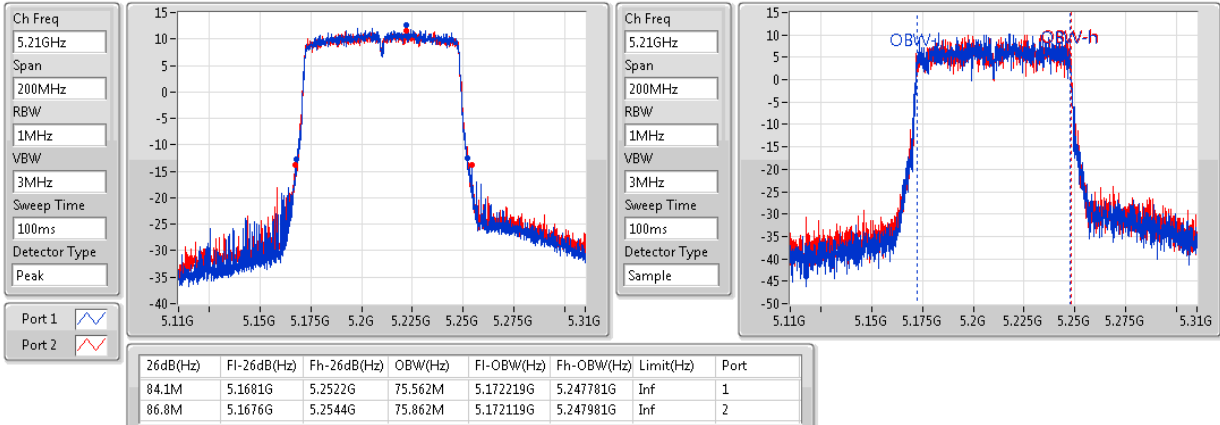




802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

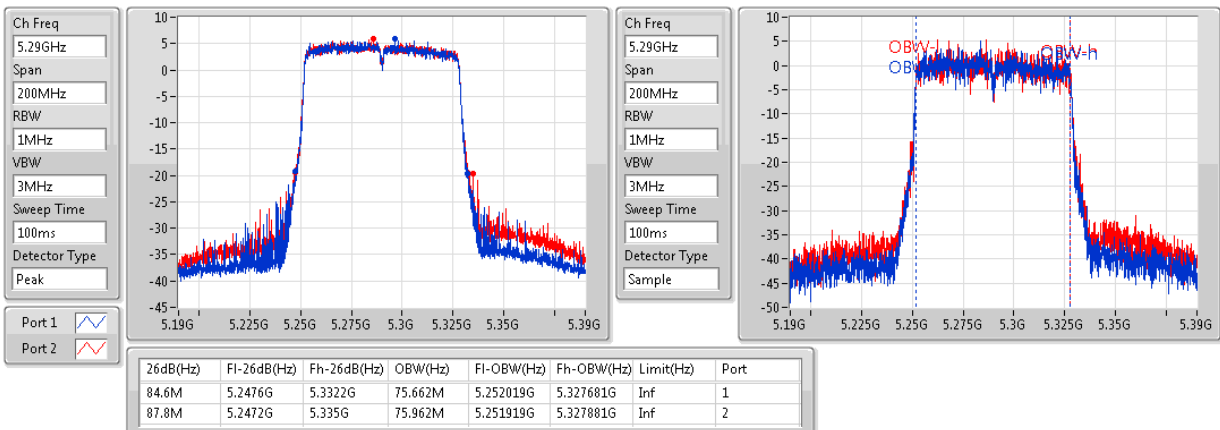
5210MHz



802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

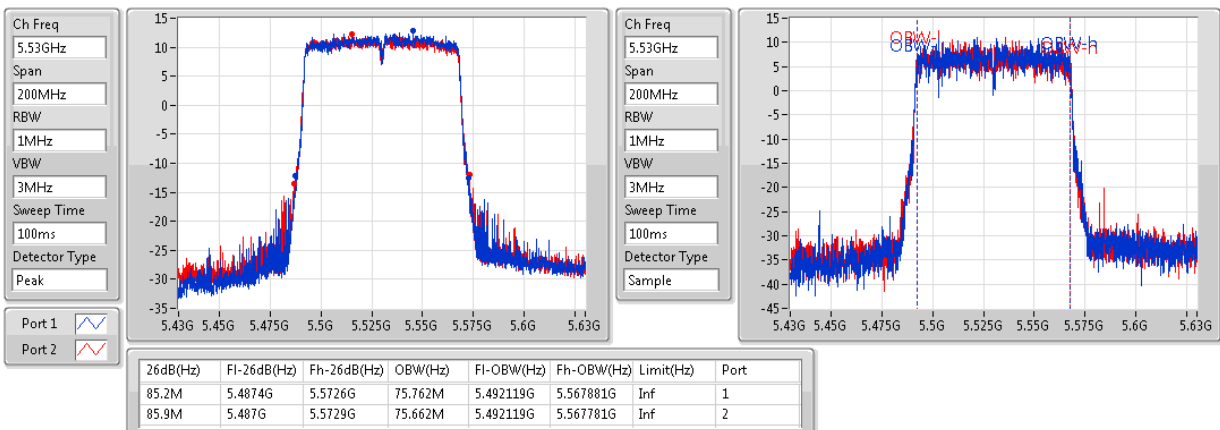
5290MHz



802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

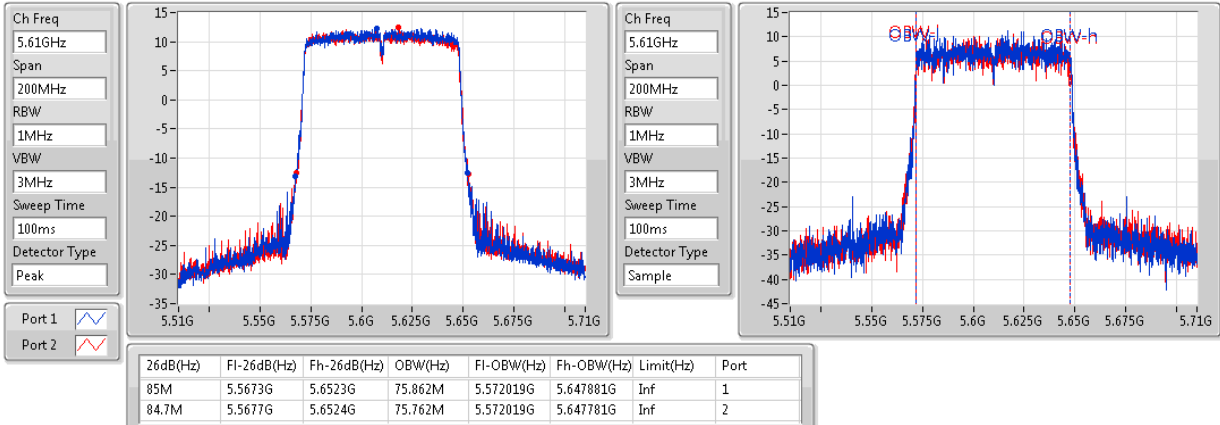
5530MHz



802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

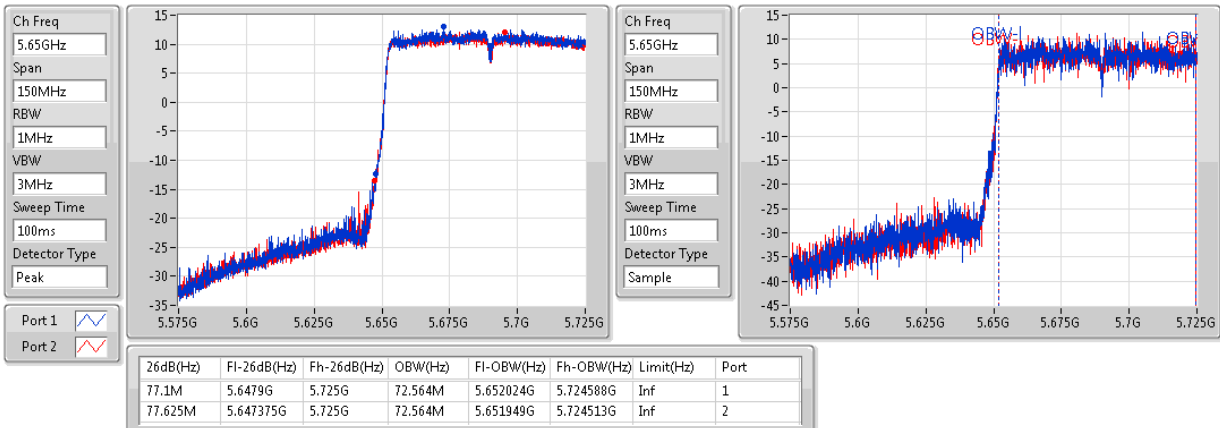
5610MHz



802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

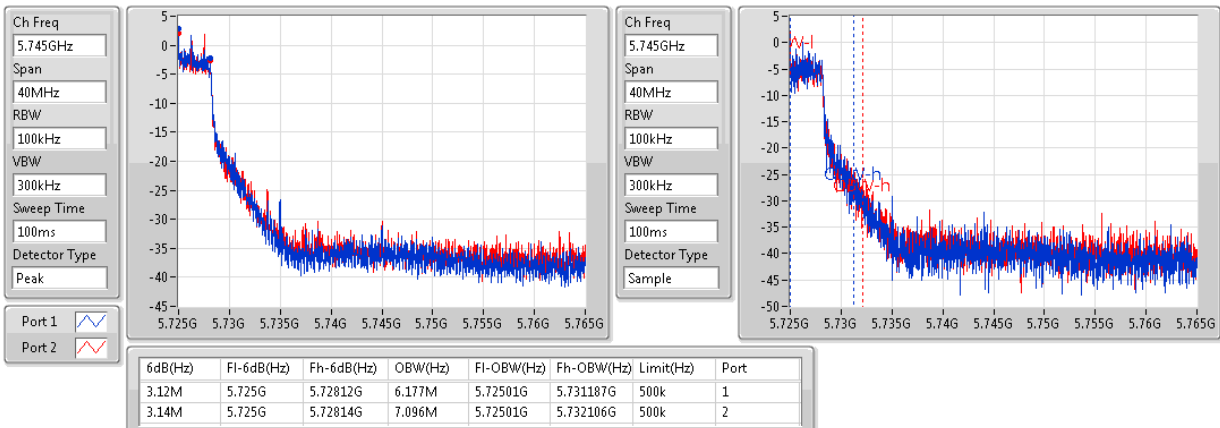
5690MHz Straddle 5.47-5.725GHz

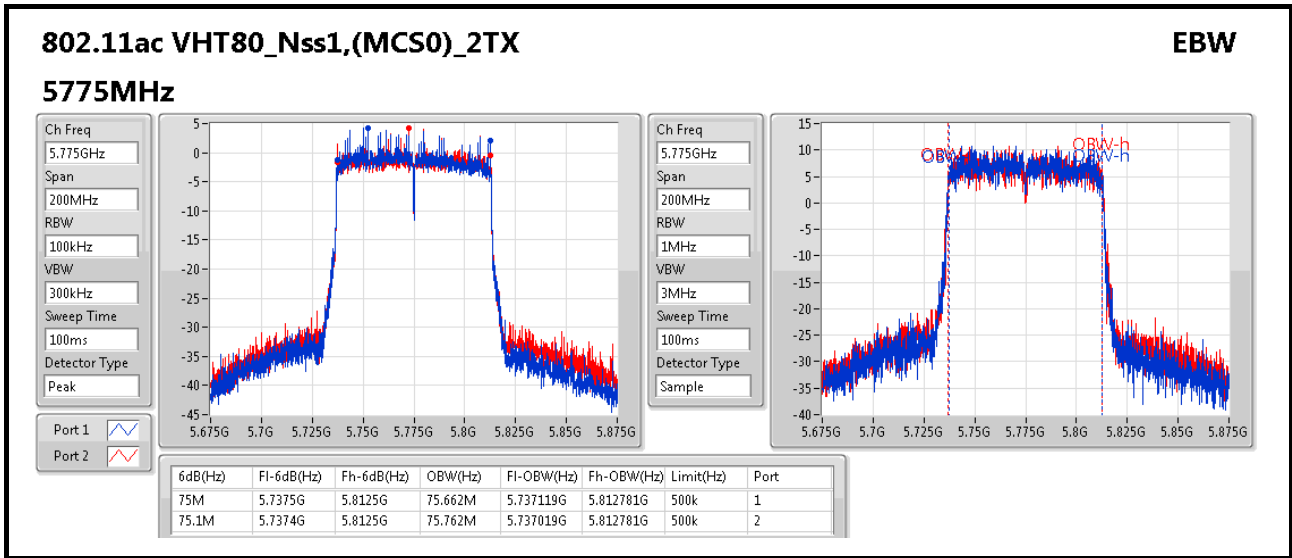


802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz







<For Beamforming Mode>  
Summary

| Mode                              | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|-----------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 28.775M          | 17.691M         | 17M7D1D  | 20.1M            | 17.616M         |
| 5.25-5.35GHz                      | 20.575M          | 17.641M         | 17M6D1D  | 19.975M          | 17.566M         |
| 5.47-5.725GHz                     | 20.5M            | 17.641M         | 17M6D1D  | 15.015M          | 13.778M         |
| 5.725-5.85GHz                     | 17.525M          | 18.066M         | 18M1D1D  | 3.76M            | 3.918M          |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 70.1M            | 36.182M         | 36M2D1D  | 38.75M           | 35.982M         |
| 5.25-5.35GHz                      | 39.3M            | 36.032M         | 36M0D1D  | 38.75M           | 35.932M         |
| 5.47-5.725GHz                     | 39.15M           | 36.082M         | 36M1D1D  | 34.37M           | 32.709M         |
| 5.725-5.85GHz                     | 35.05M           | 37.831M         | 37M8D1D  | 3.02M            | 3.478M          |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 83.6M            | 75.662M         | 75M7D1D  | 82.7M            | 75.562M         |
| 5.25-5.35GHz                      | 84.3M            | 75.862M         | 75M9D1D  | 83.8M            | 75.662M         |
| 5.47-5.725GHz                     | 100.425M         | 75.762M         | 75M8D1D  | 82.8M            | 72.564M         |
| 5.725-5.85GHz                     | 71.7M            | 76.262M         | 76M3D1D  | 3.12M            | 6.357M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Min-OBW** = Minimum 99% occupied bandwidth;



Result

| Mode                                 | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|--------------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11ac<br>VHT20-BF_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5180MHz                              | Pass   | Inf        | 20.9M            | 17.616M         | 22.1M            | 17.641M         |
| 5200MHz                              | Pass   | Inf        | 20.1M            | 17.616M         | 23.2M            | 17.641M         |
| 5240MHz                              | Pass   | Inf        | 28.775M          | 17.691M         | 24.675M          | 17.666M         |
| 5260MHz                              | Pass   | Inf        | 20.375M          | 17.641M         | 19.975M          | 17.616M         |
| 5300MHz                              | Pass   | Inf        | 20.3M            | 17.566M         | 20.35M           | 17.616M         |
| 5320MHz                              | Pass   | Inf        | 20.3M            | 17.641M         | 20.575M          | 17.616M         |
| 5500MHz                              | Pass   | Inf        | 20.125M          | 17.641M         | 20M              | 17.591M         |
| 5580MHz                              | Pass   | Inf        | 20.5M            | 17.591M         | 20.4M            | 17.616M         |
| 5700MHz                              | Pass   | Inf        | 19.625M          | 17.616M         | 20.375M          | 17.616M         |
| 5720MHz Straddle 5.47-5.725GHz       | Pass   | Inf        | 15.015M          | 13.778M         | 15.09M           | 13.808M         |
| 5720MHz Straddle 5.725-5.85GHz       | Pass   | 500k       | 3.76M            | 3.918M          | 3.76M            | 3.938M          |
| 5745MHz                              | Pass   | 500k       | 17.375M          | 17.791M         | 17.375M          | 17.916M         |
| 5785MHz                              | Pass   | 500k       | 17.525M          | 17.791M         | 17.25M           | 18.066M         |
| 5825MHz                              | Pass   | 500k       | 17.5M            | 17.866M         | 17.525M          | 18.066M         |
| 802.11ac<br>VHT40-BF_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5190MHz                              | Pass   | Inf        | 38.75M           | 36.032M         | 38.9M            | 35.982M         |
| 5230MHz                              | Pass   | Inf        | 63.7M            | 36.132M         | 70.1M            | 36.182M         |
| 5270MHz                              | Pass   | Inf        | 39.1M            | 35.932M         | 39.2M            | 36.032M         |
| 5310MHz                              | Pass   | Inf        | 38.75M           | 36.032M         | 39.3M            | 35.982M         |
| 5510MHz                              | Pass   | Inf        | 39.05M           | 36.032M         | 39M              | 36.082M         |
| 5550MHz                              | Pass   | Inf        | 38.45M           | 35.982M         | 39.15M           | 35.982M         |
| 5670MHz                              | Pass   | Inf        | 38.5M            | 35.832M         | 39M              | 35.982M         |
| 5710MHz Straddle 5.47-5.725GHz       | Pass   | Inf        | 34.37M           | 32.709M         | 34.615M          | 32.919M         |
| 5710MHz Straddle 5.725-5.85GHz       | Pass   | 500k       | 3.2M             | 3.498M          | 3.02M            | 3.478M          |
| 5755MHz                              | Pass   | 500k       | 32.95M           | 36.682M         | 32.55M           | 36.932M         |
| 5795MHz                              | Pass   | 500k       | 33.8M            | 36.732M         | 35.05M           | 37.831M         |
| 802.11ac<br>VHT80-BF_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5210MHz                              | Pass   | Inf        | 82.7M            | 75.562M         | 83.6M            | 75.662M         |
| 5290MHz                              | Pass   | Inf        | 83.8M            | 75.862M         | 84.3M            | 75.662M         |
| 5530MHz                              | Pass   | Inf        | 84.5M            | 75.662M         | 83.3M            | 75.762M         |
| 5610MHz                              | Pass   | Inf        | 84.8M            | 75.662M         | 82.8M            | 75.662M         |
| 5690MHz Straddle 5.47-5.725GHz       | Pass   | Inf        | 100.425M         | 72.564M         | 91.575M          | 72.714M         |
| 5690MHz Straddle 5.725-5.85GHz       | Pass   | 500k       | 3.12M            | 6.397M          | 3.2M             | 6.357M          |
| 5775MHz                              | Pass   | 500k       | 71.7M            | 76.062M         | 70.1M            | 76.262M         |

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

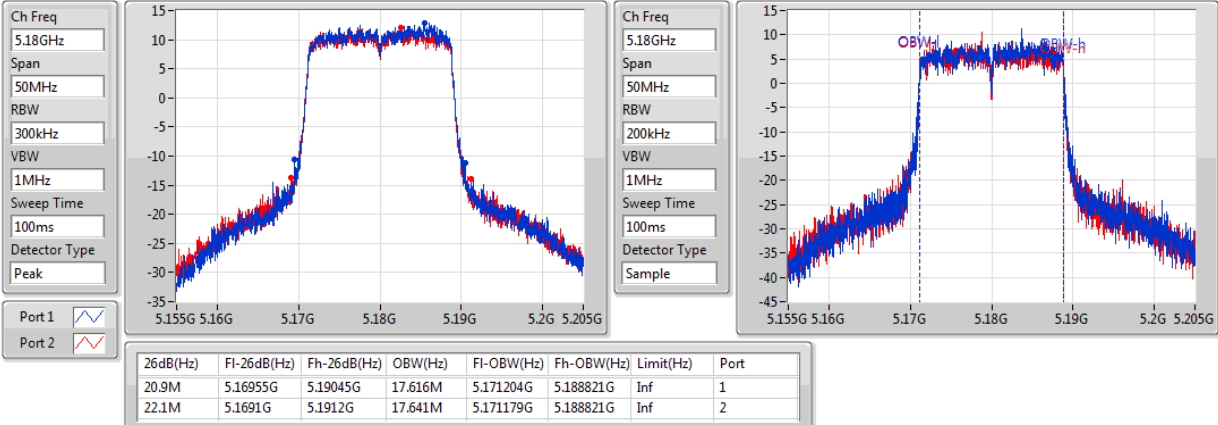
Port X-OBW = Port X 99% occupied bandwidth;



802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

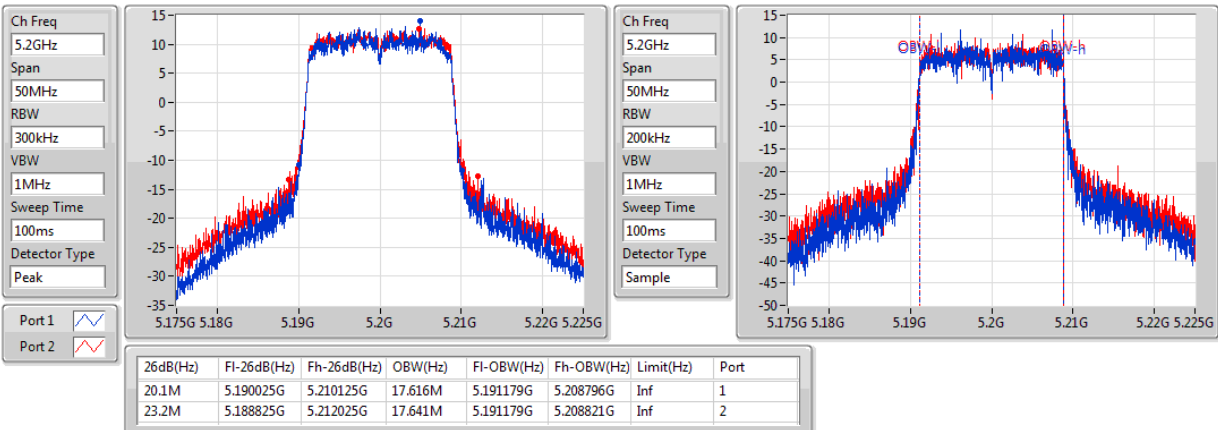
5180MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

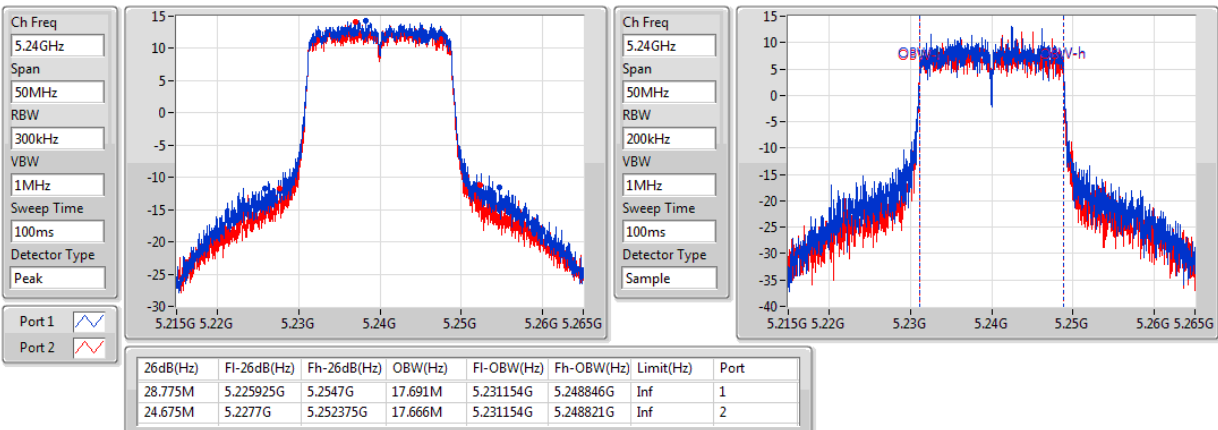
5200MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

5240MHz



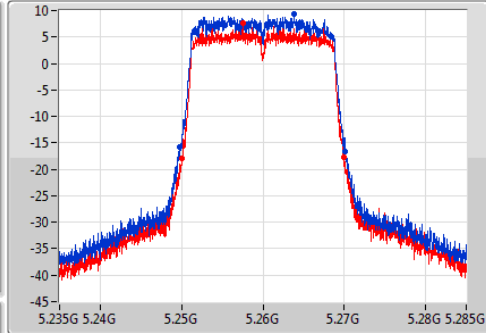


802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

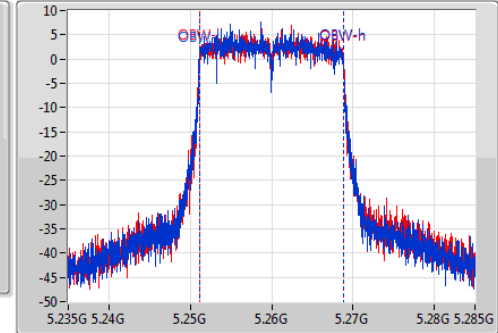
EBW

5260MHz

Ch Freq  
5.26GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.26GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2

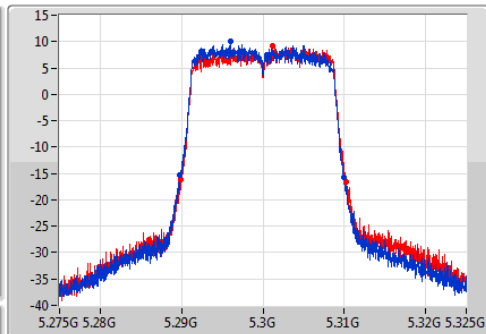
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.375M  | 5.24975G    | 5.270125G   | 17.641M | 5.251154G  | 5.268796G  | Inf       | 1    |
| 19.975M  | 5.250025G   | 5.27G       | 17.616M | 5.251179G  | 5.268796G  | Inf       | 2    |

802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

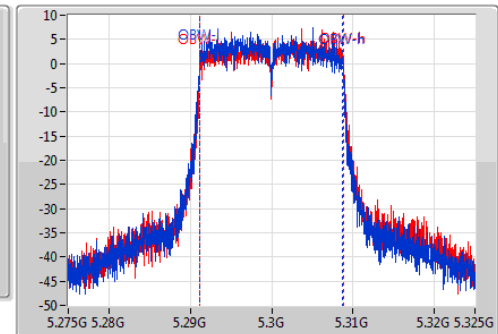
EBW

5300MHz

Ch Freq  
5.3GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.3GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2

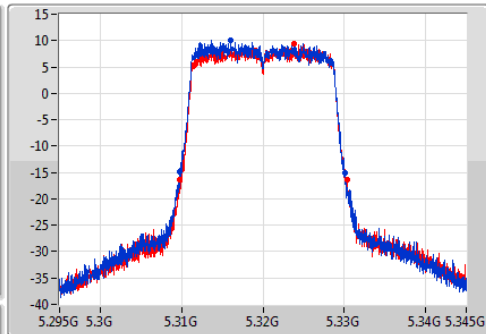
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.3M    | 5.2897G     | 5.31G       | 17.566M | 5.291179G  | 5.308746G  | Inf       | 1    |
| 20.35M   | 5.289925G   | 5.310275G   | 17.616M | 5.291204G  | 5.308821G  | Inf       | 2    |

802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

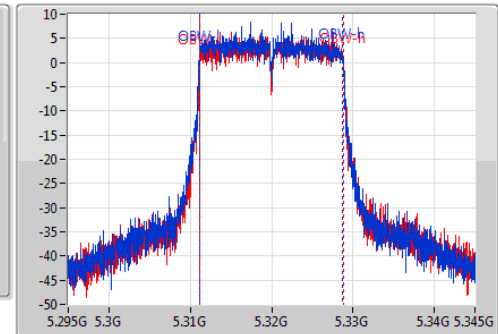
EBW

5320MHz

Ch Freq  
5.32GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak

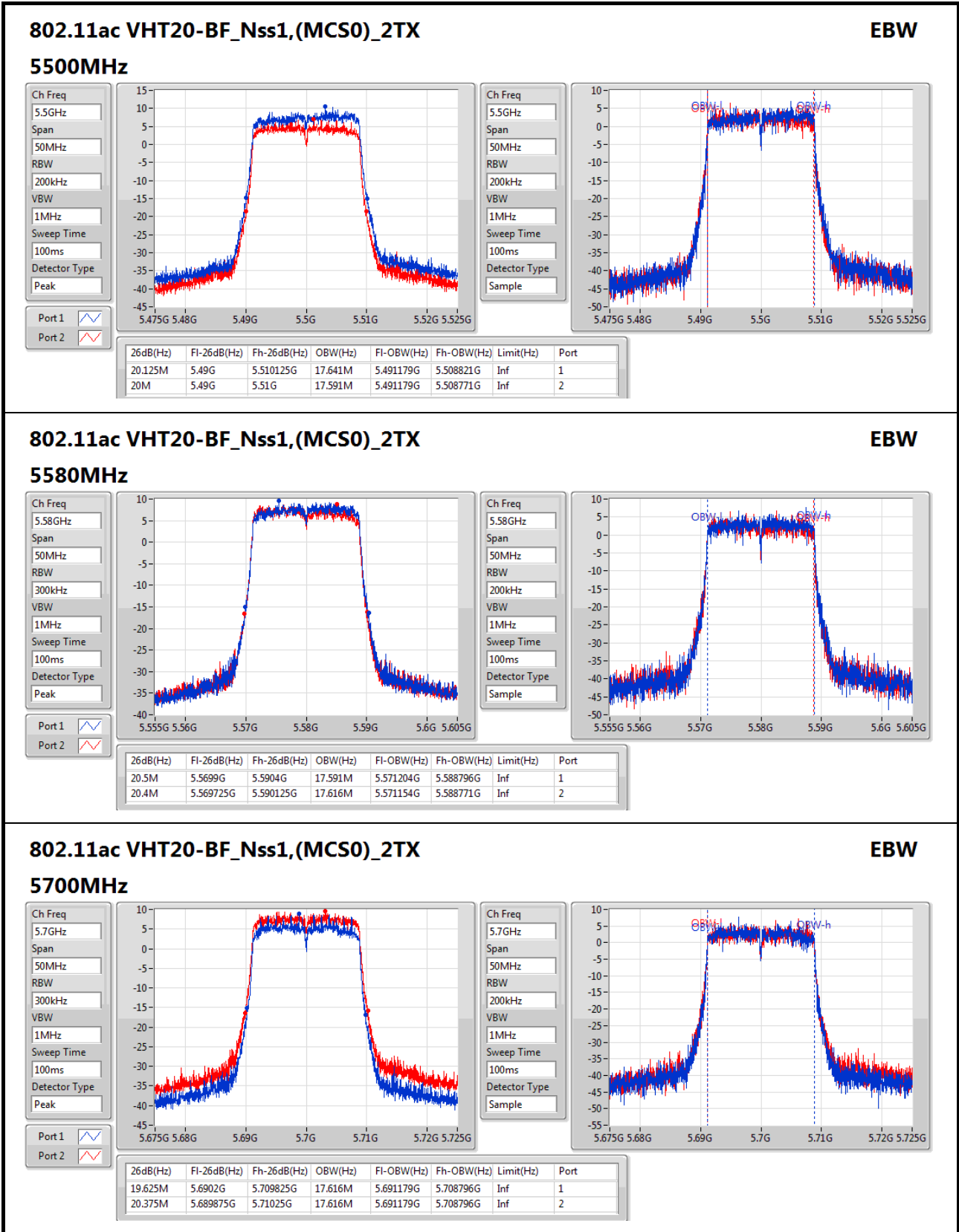


Ch Freq  
5.32GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.3M    | 5.309775G   | 5.330075G   | 17.641M | 5.311129G  | 5.328771G  | Inf       | 1    |
| 20.575M  | 5.309775G   | 5.33035G    | 17.616M | 5.311179G  | 5.328796G  | Inf       | 2    |



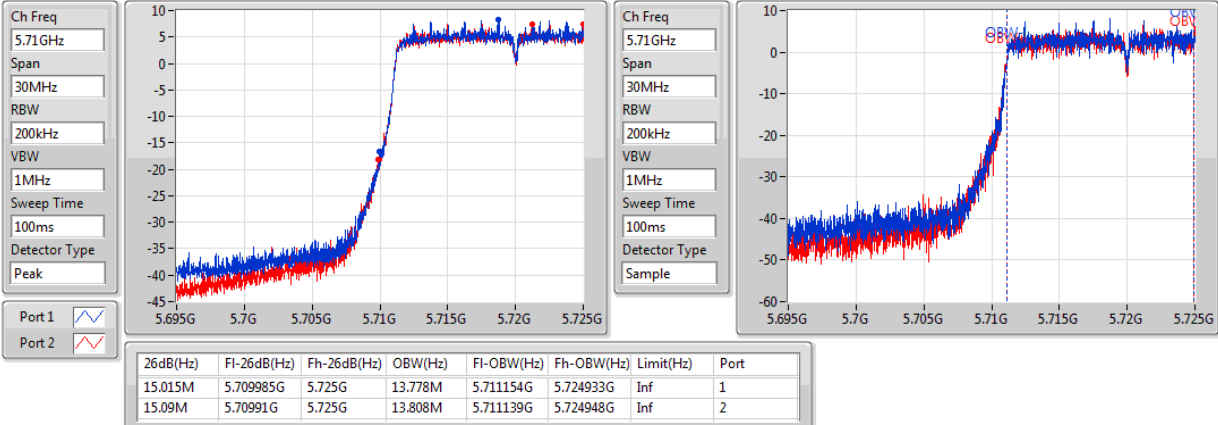




802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

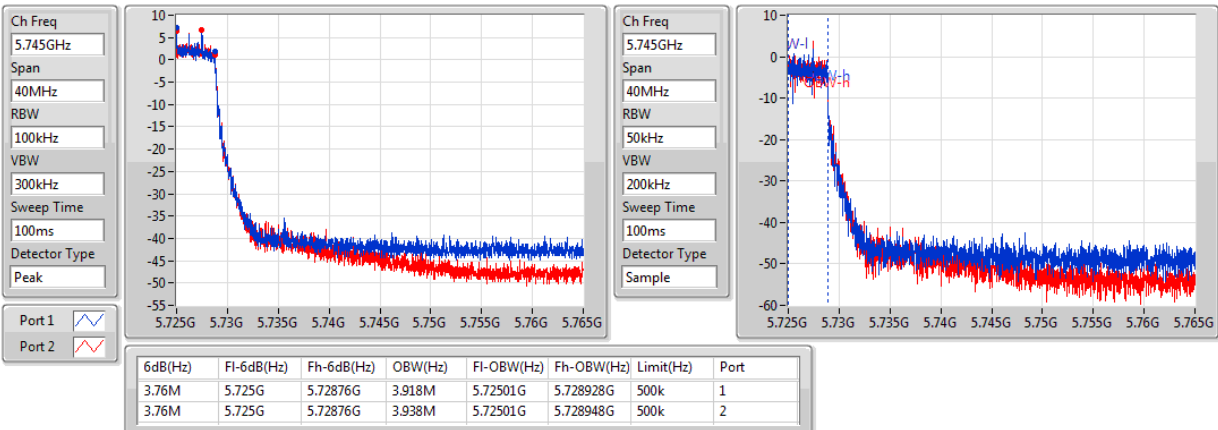
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

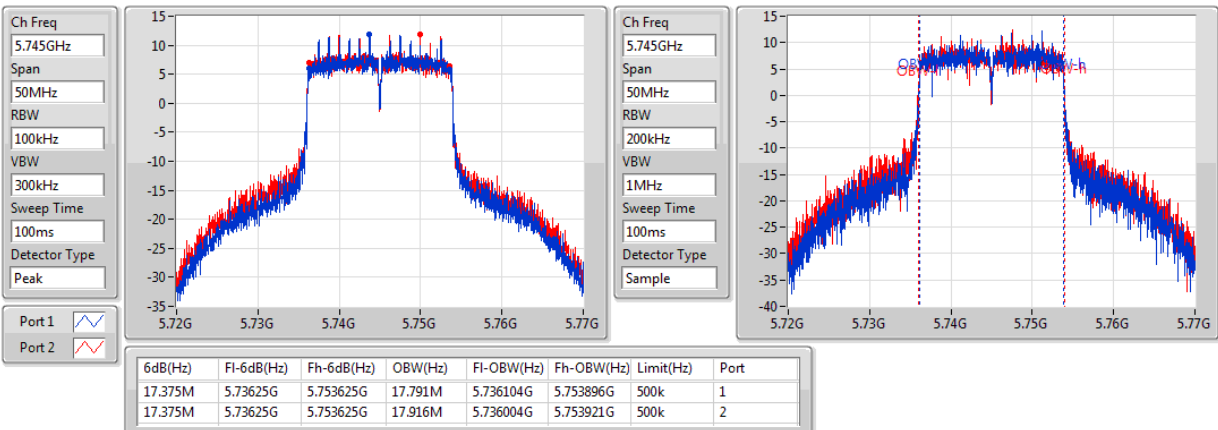
5720MHz Straddle 5.725-5.85GHz

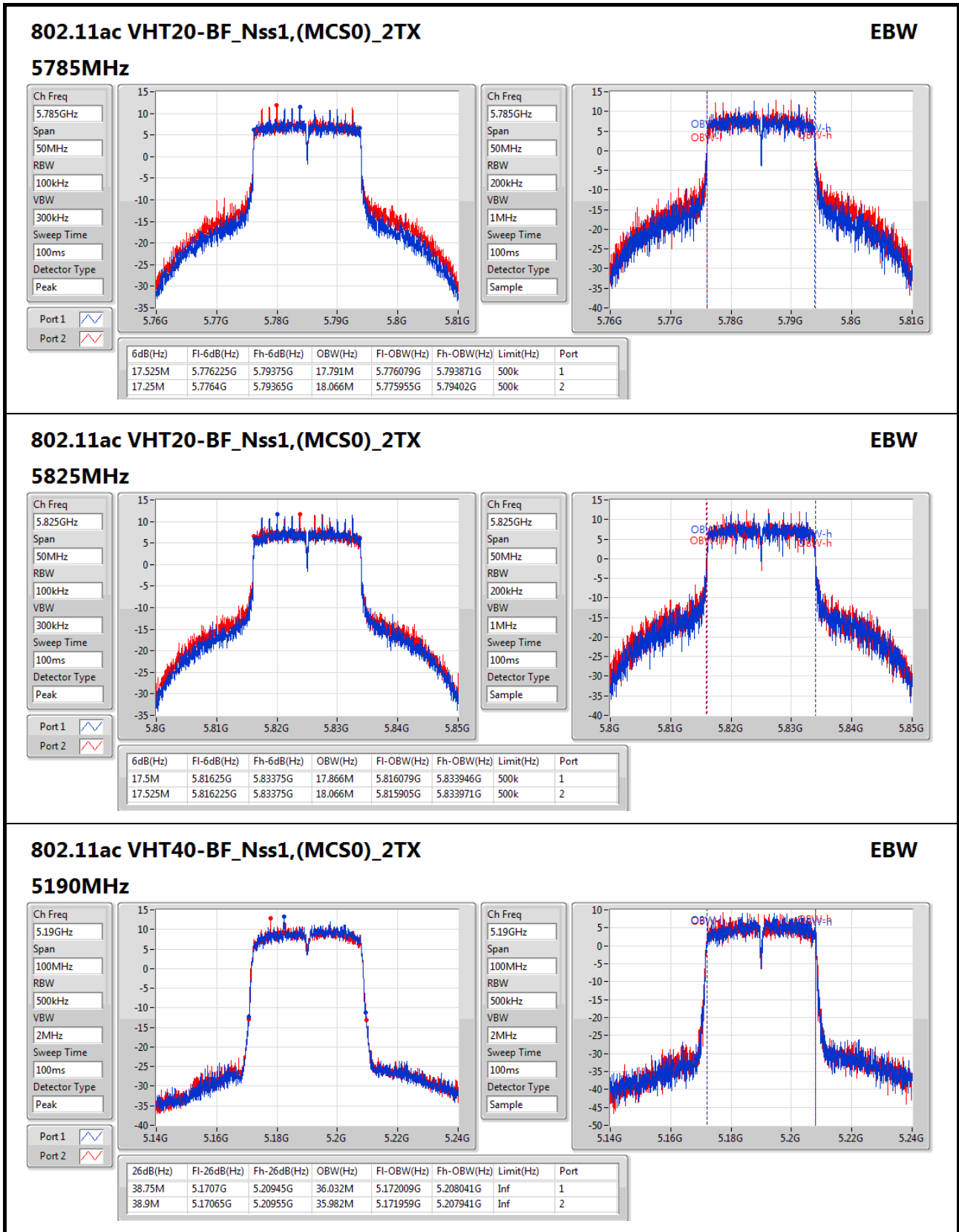


802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

5745MHz



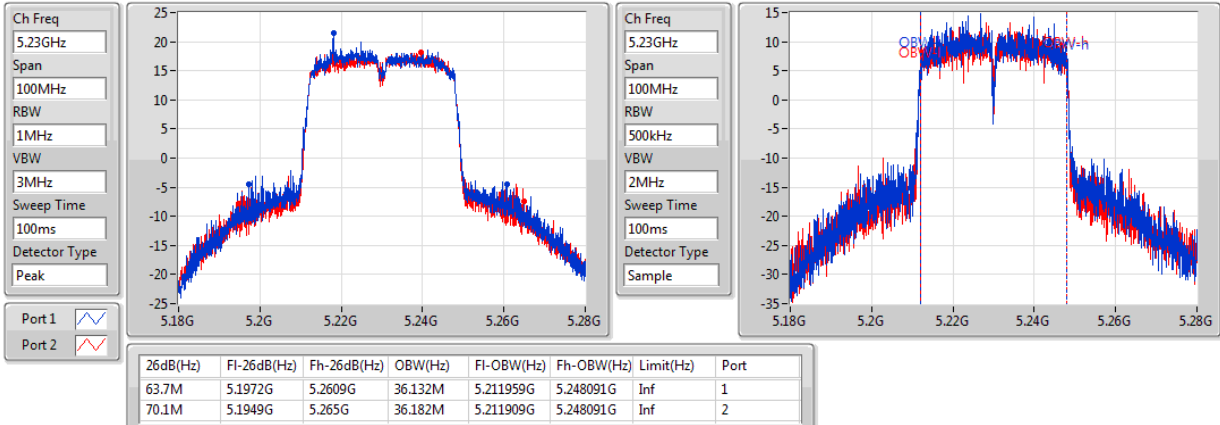




802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

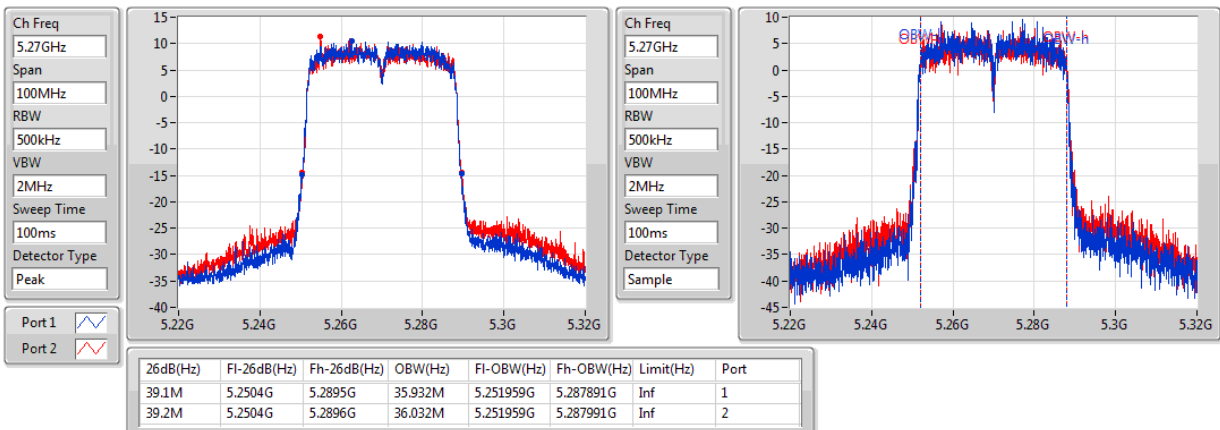
5230MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

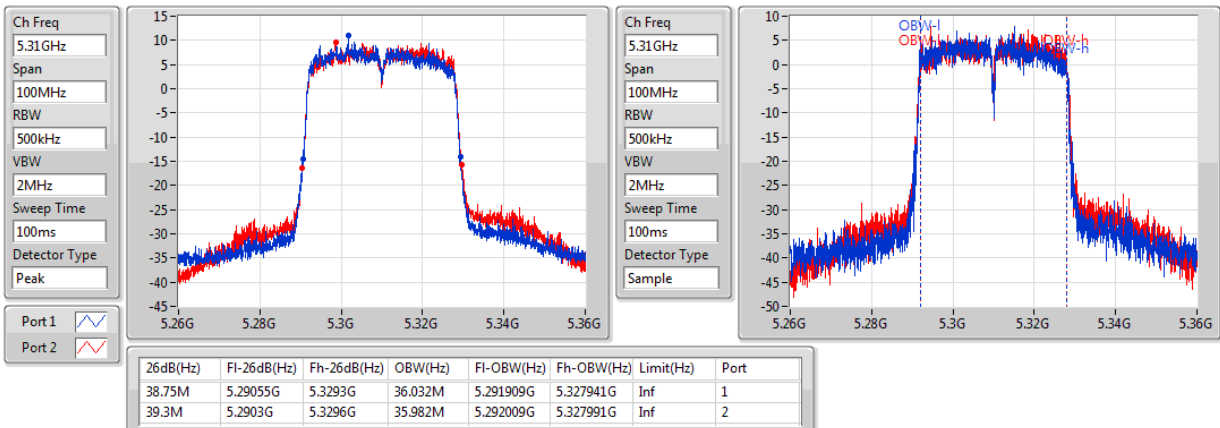
5270MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

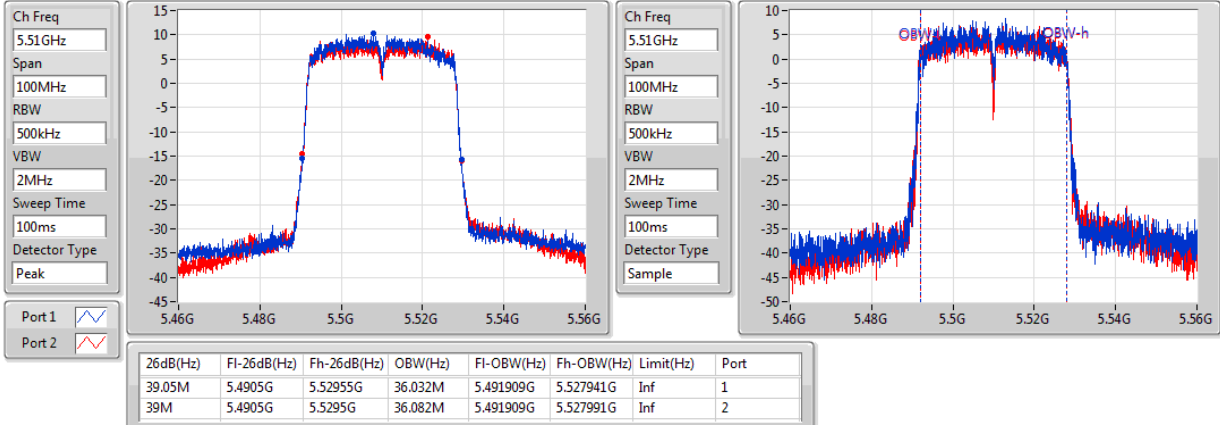
5310MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

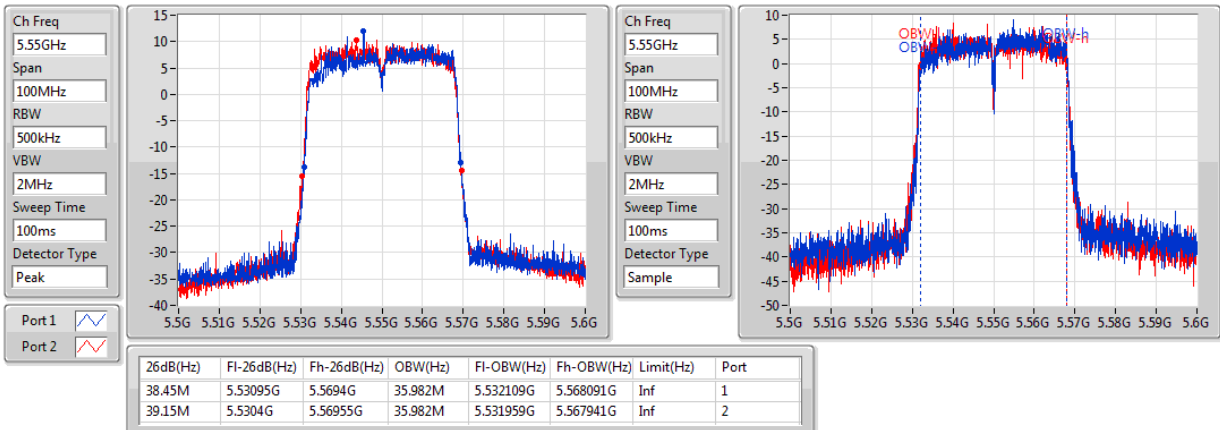
5510MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

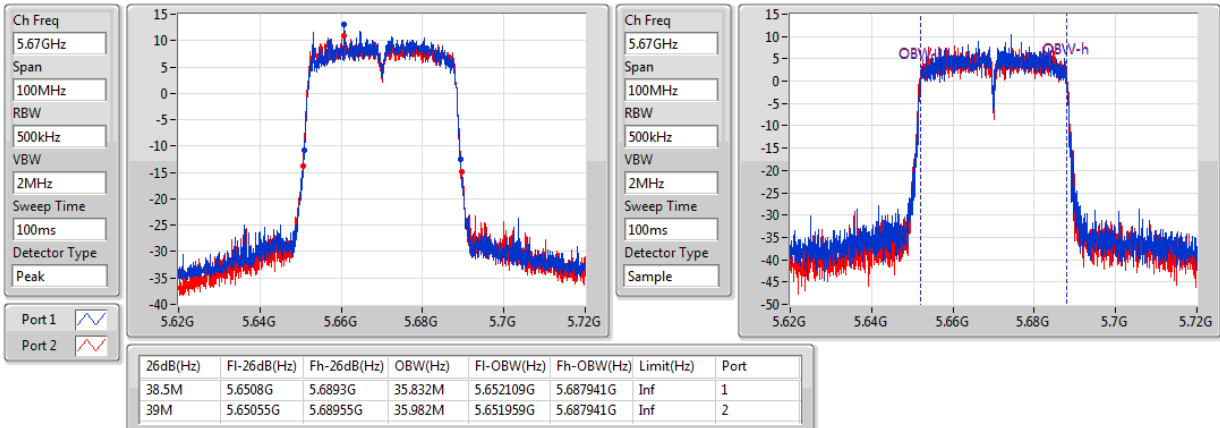
5550MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

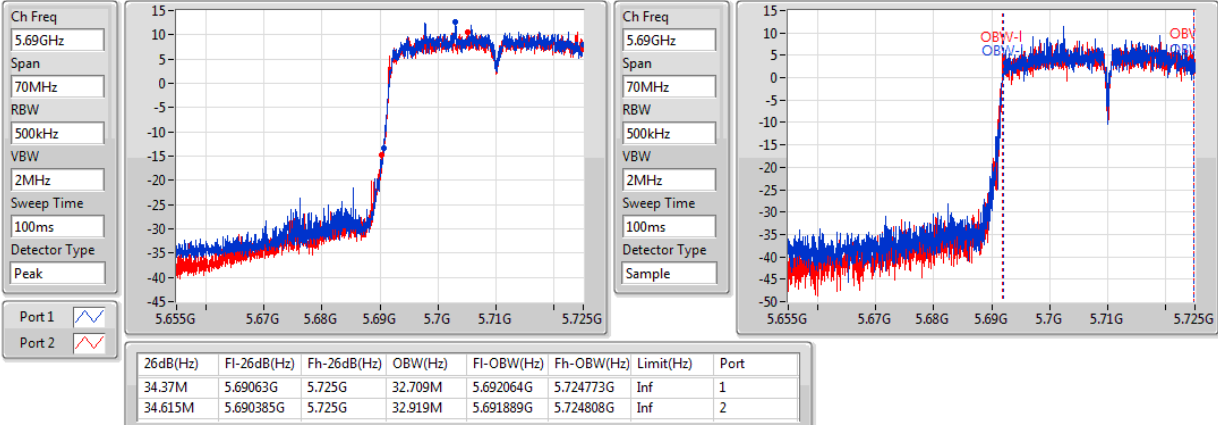
5670MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

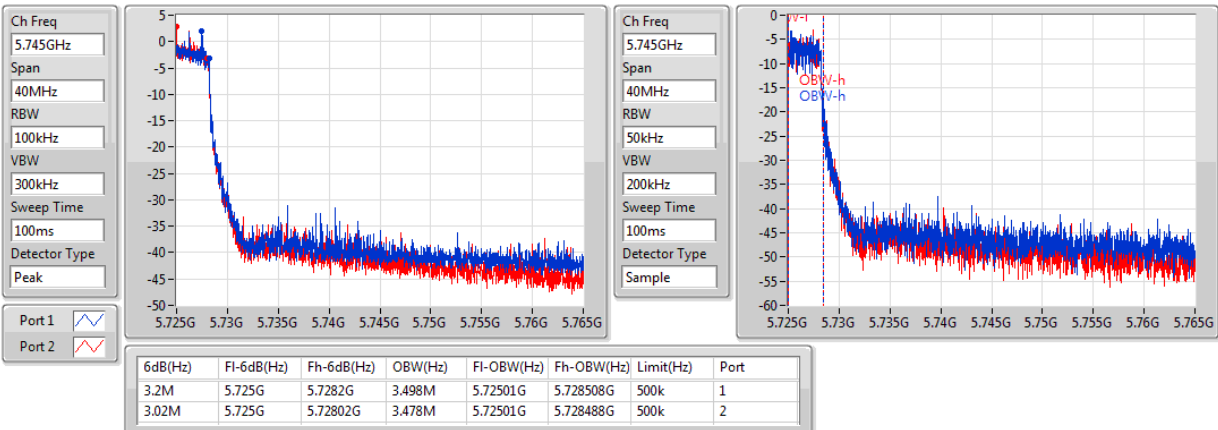
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

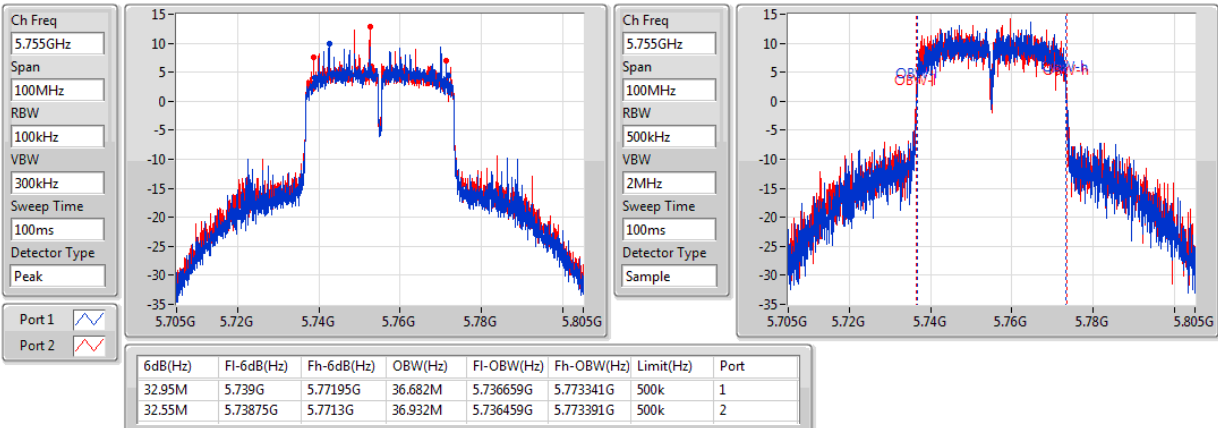
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

5755MHz

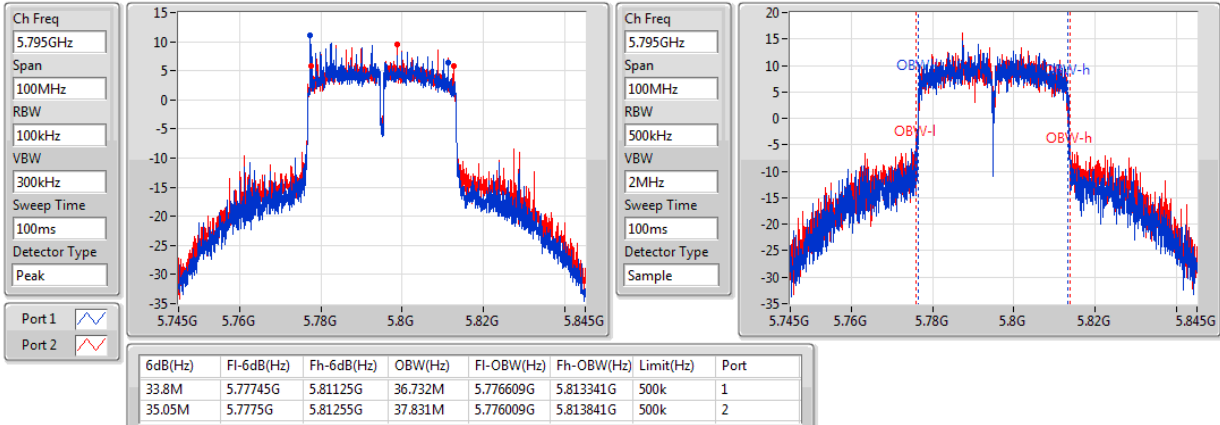




802.11ac VHT40-BF\_Nss1,(MCS0)\_2TX

EBW

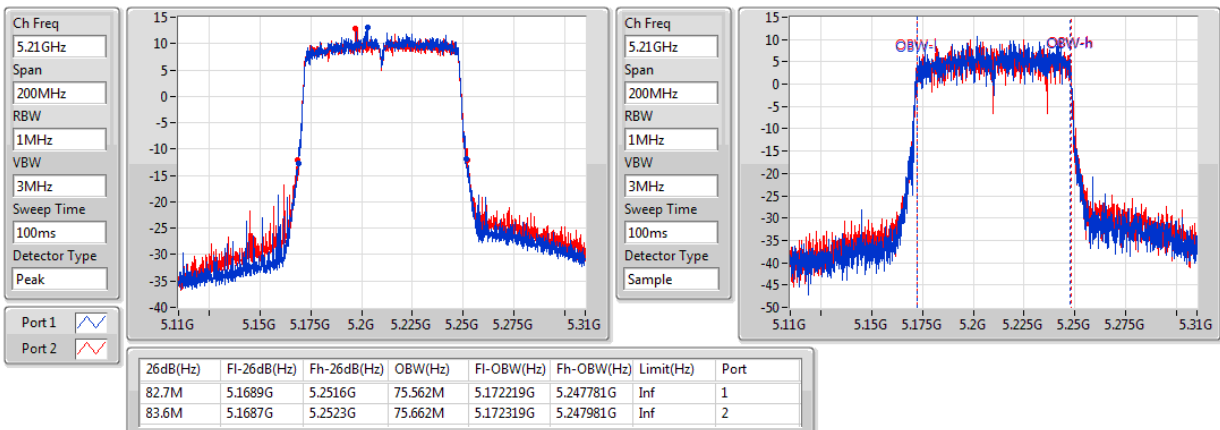
5795MHz



802.11ac VHT80-BF\_Nss1,(MCS0)\_2TX

EBW

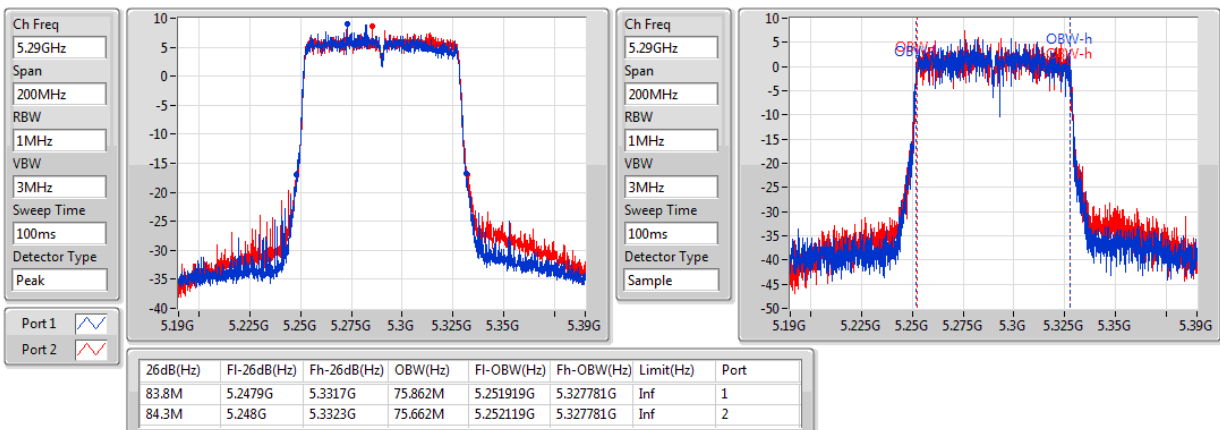
5210MHz

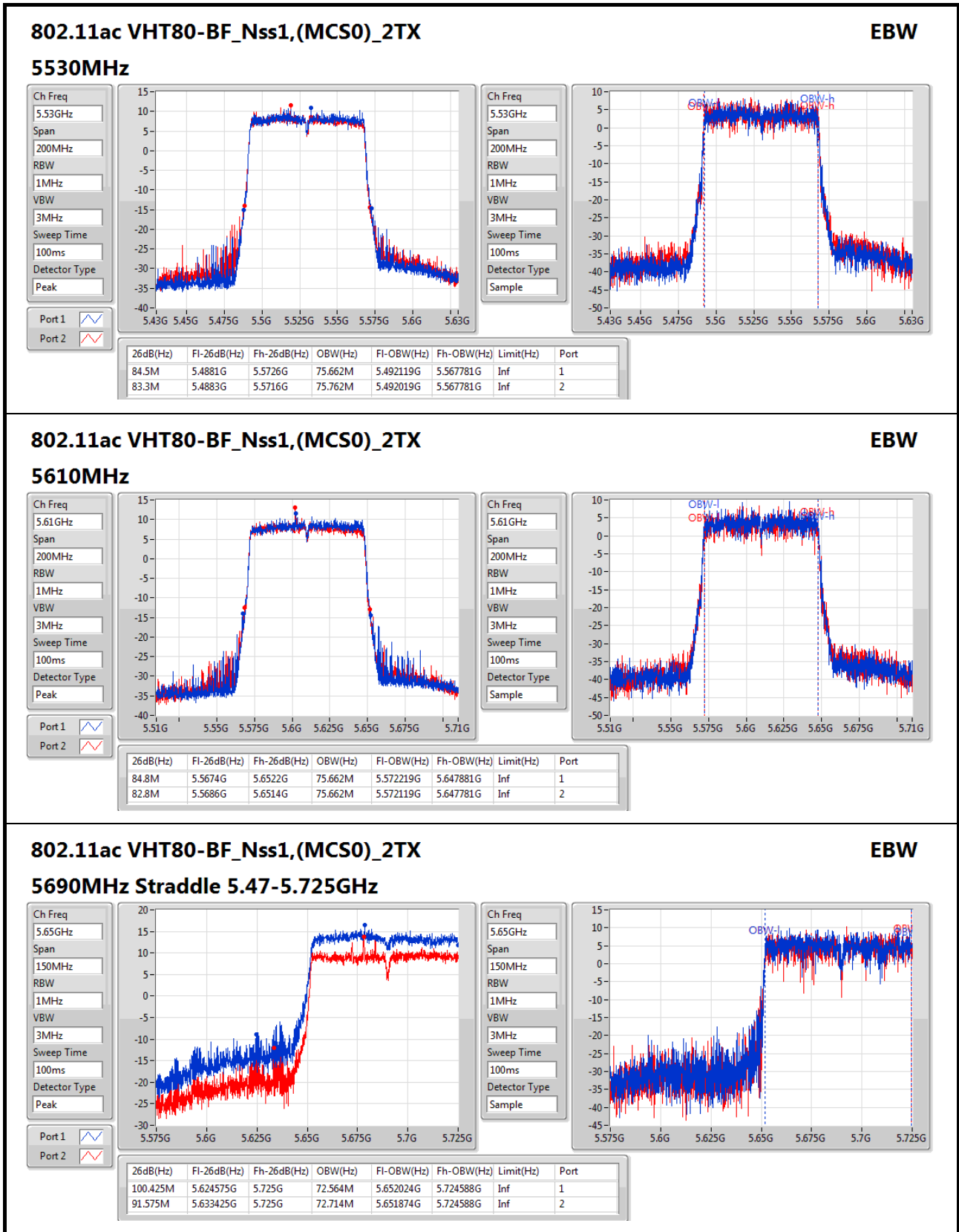


802.11ac VHT80-BF\_Nss1,(MCS0)\_2TX

EBW

5290MHz



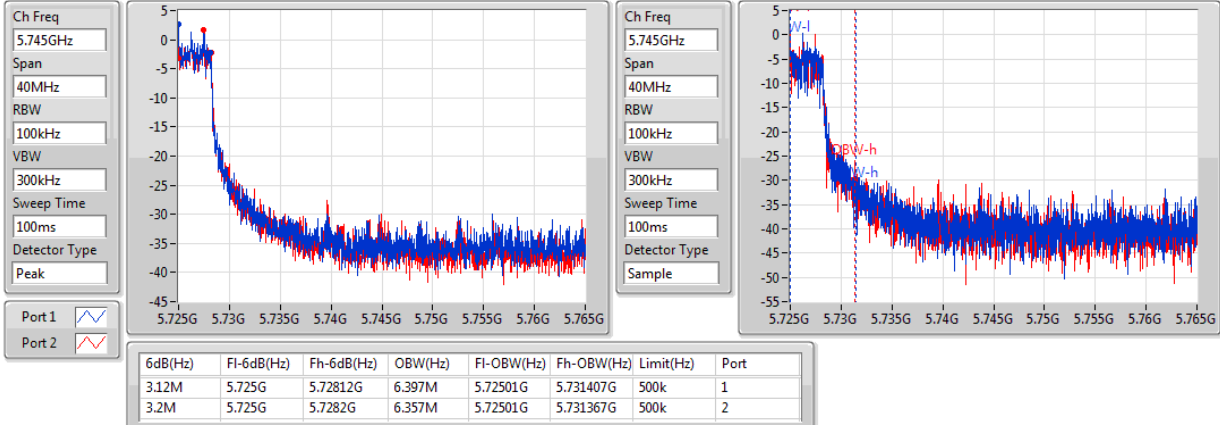




802.11ac VHT80-BF\_Nss1,(MCS0)\_2TX

EBW

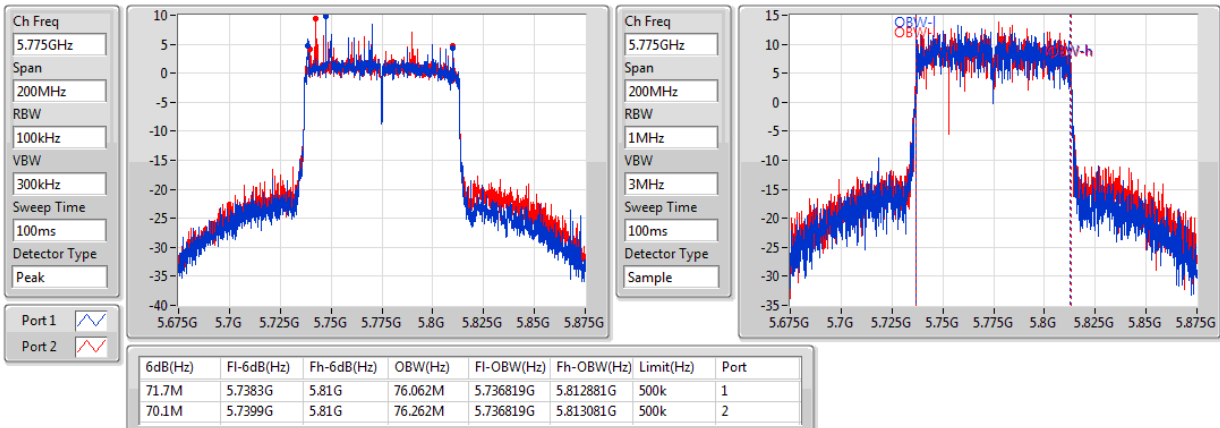
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80-BF\_Nss1,(MCS0)\_2TX

EBW

5775MHz







**For Set 2 antennas / 3TX:**  
**<For Non-Beamforming Mode>**  
**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11a_(6Mbps)_3TX            | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 20M              | 16.417M         | 16M4D1D  | 19.25M           | 16.392M         |
| 5.25-5.35GHz                   | 19.2M            | 16.417M         | 16M4D1D  | 18.95M           | 16.367M         |
| 5.47-5.725GHz                  | 19.725M          | 16.417M         | 16M4D1D  | 14.475M          | 13.163M         |
| 5.725-5.85GHz                  | 16.3M            | 16.467M         | 16M5D1D  | 3.14M            | 3.378M          |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 20.9M            | 17.641M         | 17M6D1D  | 20.5M            | 17.591M         |
| 5.25-5.35GHz                   | 20.5M            | 17.641M         | 17M6D1D  | 19.75M           | 17.566M         |
| 5.47-5.725GHz                  | 20.575M          | 17.616M         | 17M6D1D  | 15.045M          | 13.778M         |
| 5.725-5.85GHz                  | 17.55M           | 17.666M         | 17M7D1D  | 3.78M            | 3.918M          |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 40.15M           | 35.982M         | 36M0D1D  | 39.4M            | 35.882M         |
| 5.25-5.35GHz                   | 40.2M            | 35.932M         | 35M9D1D  | 39.65M           | 35.882M         |
| 5.47-5.725GHz                  | 40.2M            | 36.032M         | 36M0D1D  | 34.755M          | 32.779M         |
| 5.725-5.85GHz                  | 35.65M           | 36.032M         | 36M0D1D  | 3.16M            | 3.438M          |
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 85.4M            | 75.862M         | 75M9D1D  | 85.3M            | 75.762M         |
| 5.25-5.35GHz                   | 87.2M            | 75.862M         | 75M9D1D  | 85.3M            | 75.862M         |
| 5.47-5.725GHz                  | 89.9M            | 75.962M         | 76M0D1D  | 77.4M            | 72.564M         |
| 5.725-5.85GHz                  | 74M              | 75.962M         | 76M0D1D  | 3.14M            | 5.557M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Min-OBW** = Minimum 99% occupied bandwidth;



Result

| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11a_(6Mbps)_3TX            | -      | -          | -                | -               | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 19.4M            | 16.392M         | 19.4M            | 16.392M         | 19.375M          | 16.417M         |
| 5200MHz                        | Pass   | Inf        | 19.25M           | 16.417M         | 19.9M            | 16.417M         | 19.3M            | 16.392M         |
| 5240MHz                        | Pass   | Inf        | 19.35M           | 16.417M         | 20M              | 16.417M         | 19.275M          | 16.417M         |
| 5260MHz                        | Pass   | Inf        | 19.025M          | 16.367M         | 19.2M            | 16.392M         | 19M              | 16.417M         |
| 5300MHz                        | Pass   | Inf        | 18.975M          | 16.392M         | 19.175M          | 16.417M         | 18.95M           | 16.417M         |
| 5320MHz                        | Pass   | Inf        | 19.075M          | 16.417M         | 19.2M            | 16.392M         | 19.175M          | 16.367M         |
| 5500MHz                        | Pass   | Inf        | 19.725M          | 16.417M         | 19.4M            | 16.417M         | 19.075M          | 16.392M         |
| 5580MHz                        | Pass   | Inf        | 19.3M            | 16.417M         | 19.2M            | 16.417M         | 19.325M          | 16.417M         |
| 5700MHz                        | Pass   | Inf        | 19.35M           | 16.417M         | 19.05M           | 16.417M         | 19.375M          | 16.417M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 14.85M           | 13.193M         | 14.475M          | 13.163M         | 15.03M           | 13.178M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.14M            | 3.458M          | 3.16M            | 3.378M          | 3.14M            | 3.458M          |
| 5745MHz                        | Pass   | 500k       | 16.3M            | 16.392M         | 15.65M           | 16.417M         | 16.3M            | 16.417M         |
| 5785MHz                        | Pass   | 500k       | 16.275M          | 16.417M         | 16.025M          | 16.392M         | 16.3M            | 16.442M         |
| 5825MHz                        | Pass   | 500k       | 16.275M          | 16.417M         | 16.3M            | 16.467M         | 16.3M            | 16.417M         |
| 802.11ac VHT20_Nss1,(MCS0)_3TX | -      | -          | -                | -               | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 20.725M          | 17.591M         | 20.775M          | 17.641M         | 20.5M            | 17.641M         |
| 5200MHz                        | Pass   | Inf        | 20.9M            | 17.616M         | 20.675M          | 17.641M         | 20.65M           | 17.616M         |
| 5240MHz                        | Pass   | Inf        | 20.825M          | 17.616M         | 20.775M          | 17.616M         | 20.525M          | 17.616M         |
| 5260MHz                        | Pass   | Inf        | 20.5M            | 17.566M         | 20.475M          | 17.641M         | 20.45M           | 17.591M         |
| 5300MHz                        | Pass   | Inf        | 20.45M           | 17.566M         | 20.325M          | 17.591M         | 19.75M           | 17.616M         |
| 5320MHz                        | Pass   | Inf        | 20.425M          | 17.616M         | 20.45M           | 17.591M         | 19.875M          | 17.616M         |
| 5500MHz                        | Pass   | Inf        | 20.575M          | 17.591M         | 20.325M          | 17.591M         | 20.45M           | 17.591M         |
| 5580MHz                        | Pass   | Inf        | 20.475M          | 17.566M         | 20.375M          | 17.616M         | 19.85M           | 17.616M         |
| 5700MHz                        | Pass   | Inf        | 20.575M          | 17.591M         | 20.4M            | 17.591M         | 20.55M           | 17.591M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 15.075M          | 13.793M         | 15.06M           | 13.793M         | 15.045M          | 13.778M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.82M            | 3.998M          | 3.78M            | 3.938M          | 3.78M            | 3.918M          |
| 5745MHz                        | Pass   | 500k       | 17.55M           | 17.666M         | 16.55M           | 17.641M         | 17.275M          | 17.666M         |
| 5785MHz                        | Pass   | 500k       | 17.125M          | 17.641M         | 16.875M          | 17.666M         | 17.125M          | 17.666M         |
| 5825MHz                        | Pass   | 500k       | 16.55M           | 17.641M         | 17.55M           | 17.641M         | 17.525M          | 17.666M         |
| 802.11ac VHT40_Nss1,(MCS0)_3TX | -      | -          | -                | -               | -                | -               | -                | -               |
| 5190MHz                        | Pass   | Inf        | 39.4M            | 35.882M         | 40.05M           | 35.932M         | 39.95M           | 35.932M         |
| 5230MHz                        | Pass   | Inf        | 39.5M            | 35.982M         | 39.9M            | 35.932M         | 40.15M           | 35.982M         |
| 5270MHz                        | Pass   | Inf        | 39.75M           | 35.932M         | 39.75M           | 35.932M         | 40.2M            | 35.932M         |
| 5310MHz                        | Pass   | Inf        | 39.65M           | 35.882M         | 39.85M           | 35.932M         | 40.05M           | 35.932M         |
| 5510MHz                        | Pass   | Inf        | 39.75M           | 36.032M         | 40M              | 35.832M         | 40.2M            | 35.982M         |
| 5550MHz                        | Pass   | Inf        | 39.3M            | 35.982M         | 40M              | 35.832M         | 39.8M            | 35.932M         |
| 5670MHz                        | Pass   | Inf        | 39.3M            | 35.932M         | 39.7M            | 35.882M         | 39.75M           | 35.932M         |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 34.755M          | 32.849M         | 34.895M          | 32.779M         | 34.895M          | 32.779M         |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.16M            | 3.498M          | 3.16M            | 3.438M          | 3.18M            | 3.478M          |
| 5755MHz                        | Pass   | 500k       | 35.05M           | 35.982M         | 35.05M           | 35.932M         | 35.25M           | 36.032M         |
| 5795MHz                        | Pass   | 500k       | 34.95M           | 36.032M         | 33.85M           | 35.932M         | 35.65M           | 35.982M         |



| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11ac VHT80_Nss1,(MCS0)_3TX | -      | -          | -                | -               | -                | -               | -                | -               |
| 5210MHz                        | Pass   | Inf        | 85.4M            | 75.762M         | 85.3M            | 75.862M         | 85.3M            | 75.762M         |
| 5290MHz                        | Pass   | Inf        | 87.2M            | 75.862M         | 85.6M            | 75.862M         | 85.3M            | 75.862M         |
| 5530MHz                        | Pass   | Inf        | 85.3M            | 75.962M         | 84.6M            | 75.762M         | 85M              | 75.862M         |
| 5610MHz                        | Pass   | Inf        | 89.9M            | 75.862M         | 85.6M            | 75.962M         | 87.2M            | 75.762M         |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 79.275M          | 72.564M         | 77.4M            | 72.564M         | 77.85M           | 72.564M         |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.2M             | 5.737M          | 3.18M            | 5.557M          | 3.14M            | 5.757M          |
| 5775MHz                        | Pass   | 500k       | 72.5M            | 75.862M         | 73.7M            | 75.962M         | 74M              | 75.862M         |

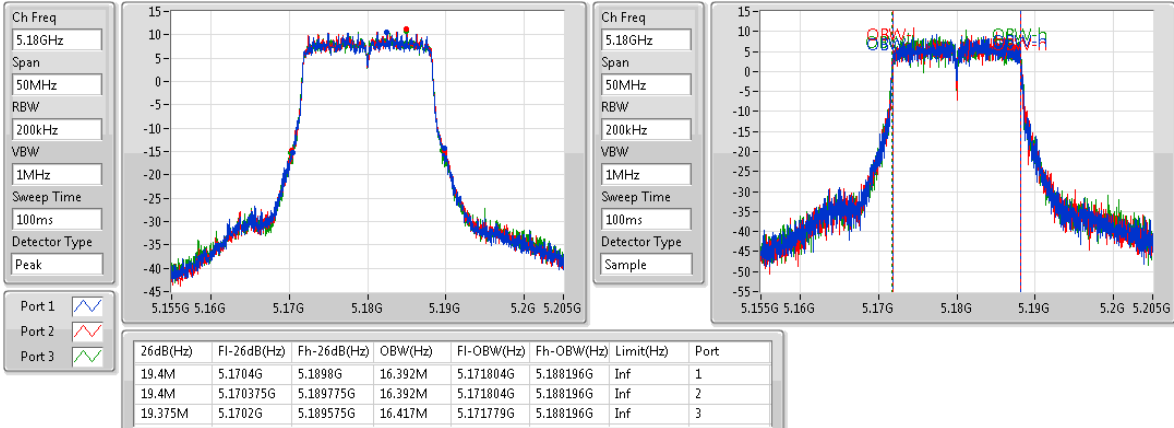
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth;



802.11a\_(6Mbps)\_3TX

EBW

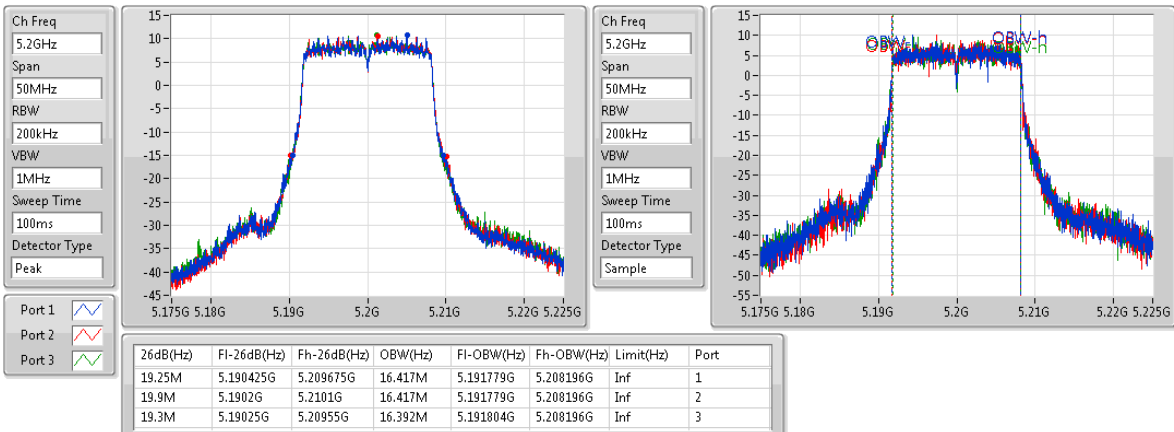
5180MHz



802.11a\_(6Mbps)\_3TX

EBW

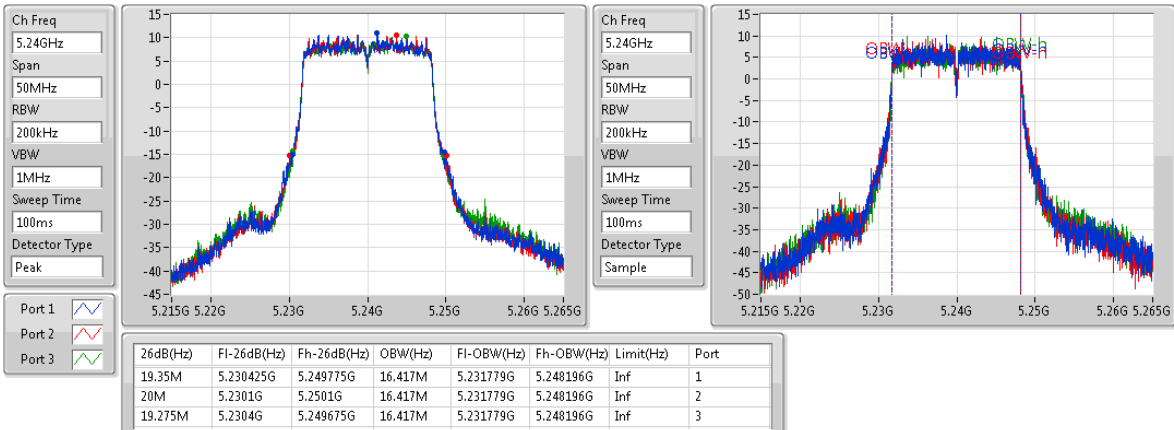
5200MHz



802.11a\_(6Mbps)\_3TX

EBW

5240MHz



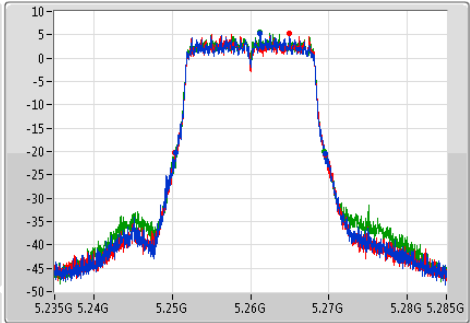


802.11a\_(6Mbps)\_3TX

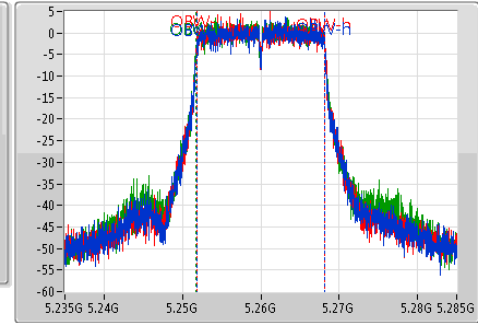
EBW

5260MHz

Ch Freq  
5.26GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.26GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



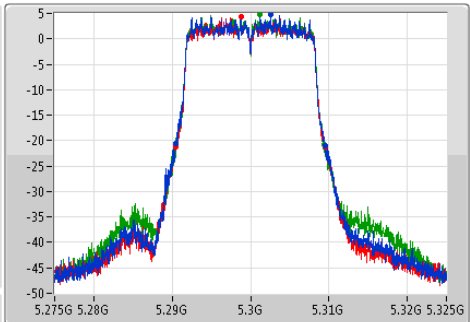
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.025M  | 5.2505G     | 5.269525G   | 16.367M | 5.251804G  | 5.268171G  | Inf       | 1    |
| 19.2M    | 5.250375G   | 5.269575G   | 16.392M | 5.251804G  | 5.268196G  | Inf       | 2    |
| 19M      | 5.250425G   | 5.269425G   | 16.417M | 5.251779G  | 5.268196G  | Inf       | 3    |

802.11a\_(6Mbps)\_3TX

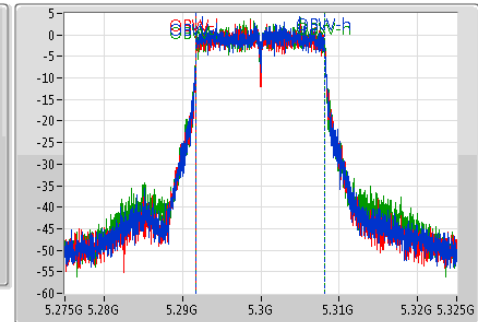
EBW

5300MHz

Ch Freq  
5.3GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.3GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



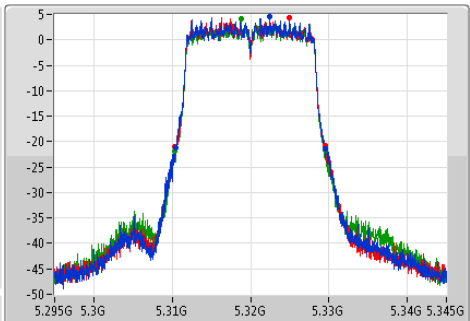
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 18.975M  | 5.2905G     | 5.309475G   | 16.392M | 5.291779G  | 5.308171G  | Inf       | 1    |
| 19.175M  | 5.290425G   | 5.3096G     | 16.417M | 5.291779G  | 5.308196G  | Inf       | 2    |
| 18.95M   | 5.290425G   | 5.309375G   | 16.417M | 5.291779G  | 5.308196G  | Inf       | 3    |

802.11a\_(6Mbps)\_3TX

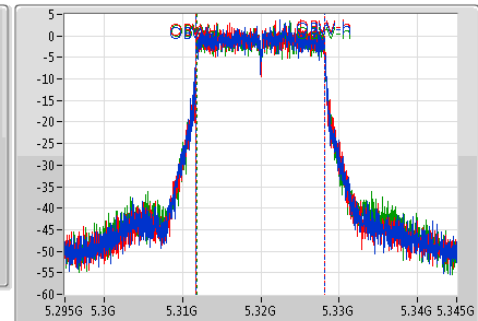
EBW

5320MHz

Ch Freq  
5.32GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.32GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



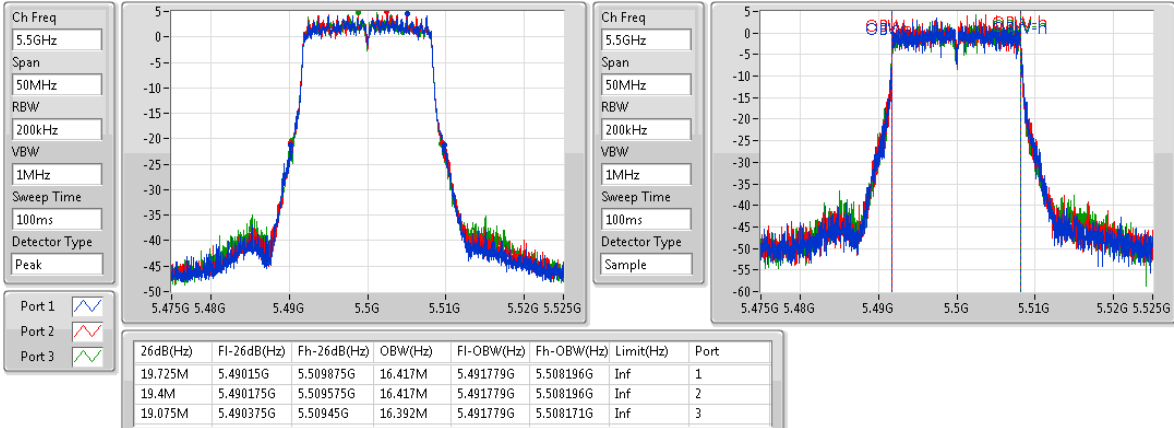
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.075M  | 5.310475G   | 5.32955G    | 16.417M | 5.311779G  | 5.328196G  | Inf       | 1    |
| 19.2M    | 5.31035G    | 5.32955G    | 16.392M | 5.311779G  | 5.328171G  | Inf       | 2    |
| 19.175M  | 5.3103G     | 5.329475G   | 16.367M | 5.311804G  | 5.328171G  | Inf       | 3    |



802.11a\_(6Mbps)\_3TX

EBW

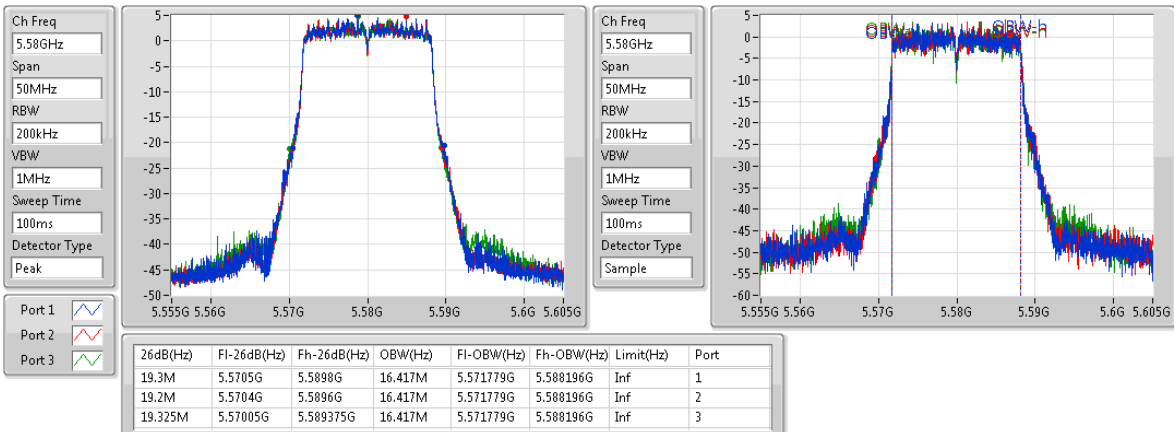
5500MHz



802.11a\_(6Mbps)\_3TX

EBW

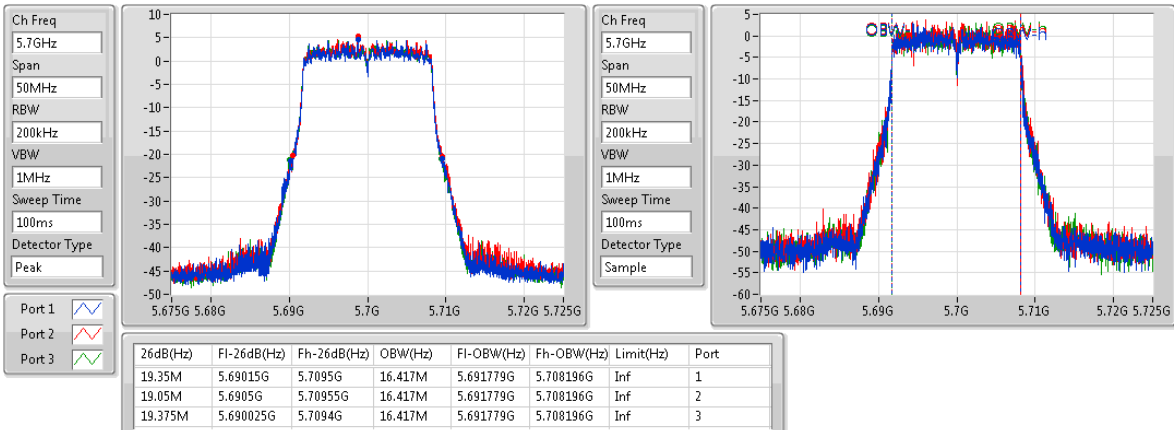
5580MHz



802.11a\_(6Mbps)\_3TX

EBW

5700MHz

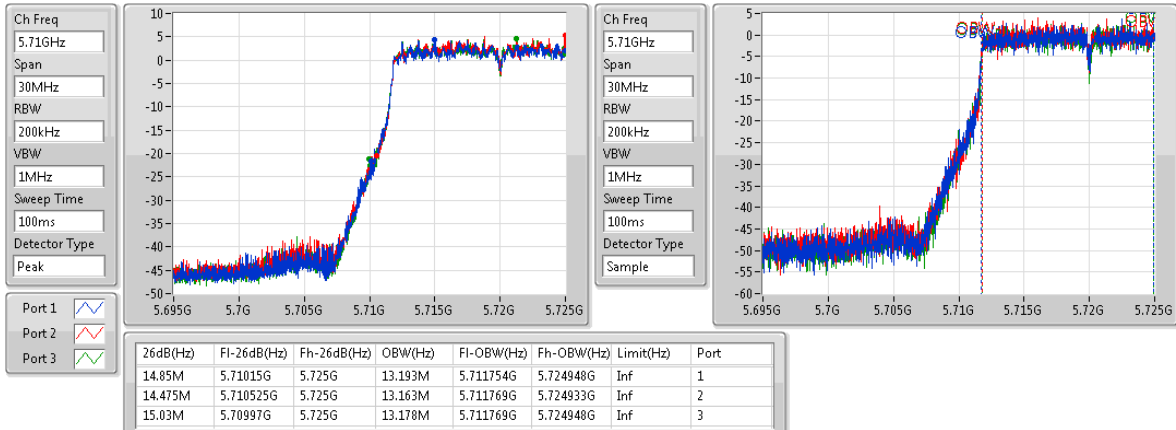




802.11a (6Mbps)\_3TX

EBW

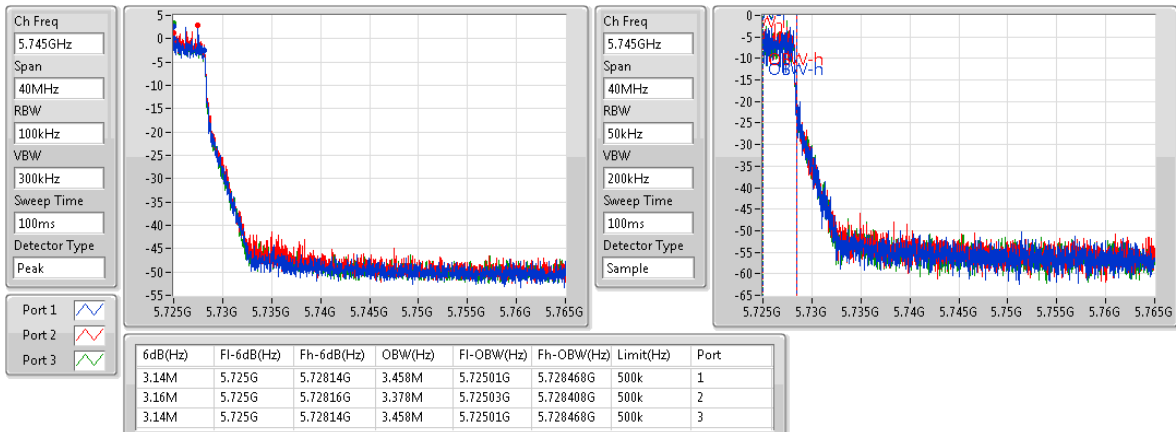
5720MHz Straddle 5.47-5.725GHz



802.11a (6Mbps)\_3TX

EBW

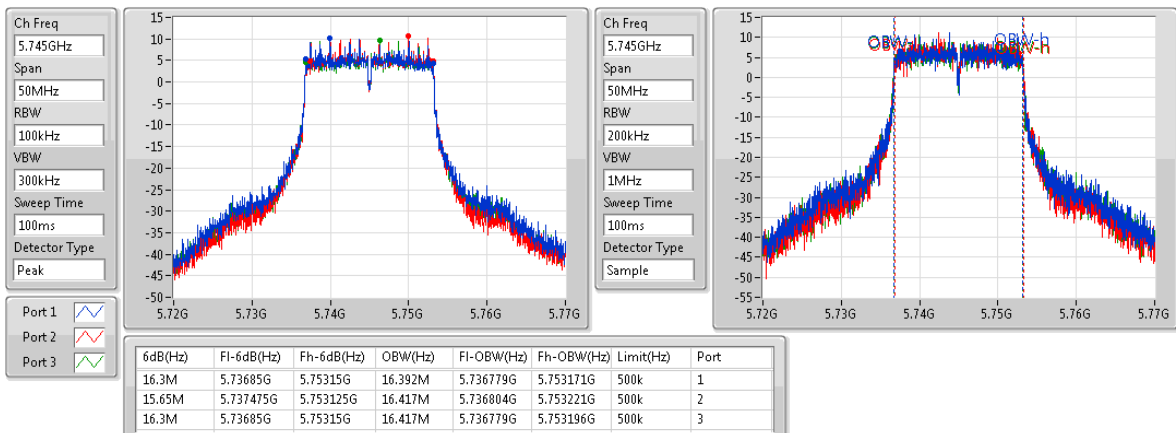
5720MHz Straddle 5.725-5.85GHz



802.11a (6Mbps)\_3TX

EBW

5745MHz



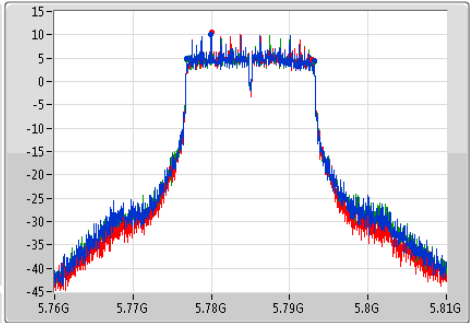


802.11a\_(6Mbps)\_3TX

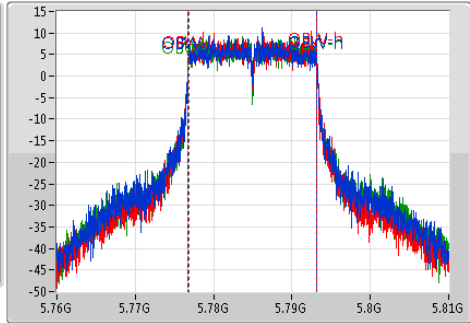
EBW

5785MHz

Ch Freq  
5.785GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.785GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



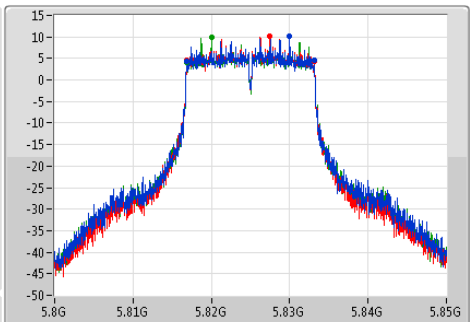
| 6dB(Hz) | FI-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 16.275M | 5.77685G   | 5.793125G  | 16.417M | 5.776779G  | 5.793196G  | 500k      | 1    |
| 16.025M | 5.77685G   | 5.792875G  | 16.392M | 5.776804G  | 5.793196G  | 500k      | 2    |
| 16.3M   | 5.77685G   | 5.79315G   | 16.442M | 5.776754G  | 5.793196G  | 500k      | 3    |

802.11a\_(6Mbps)\_3TX

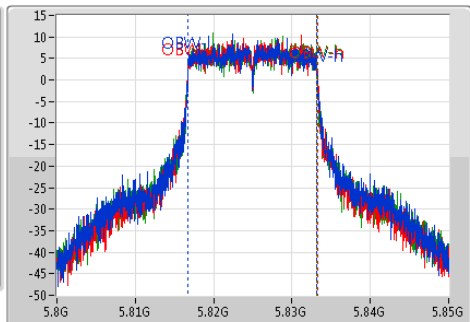
EBW

5825MHz

Ch Freq  
5.825GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.825GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



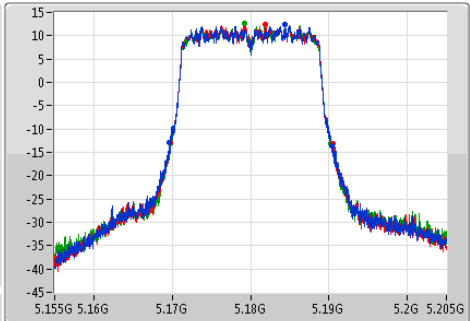
| 6dB(Hz) | FI-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 16.275M | 5.81685G   | 5.833125G  | 16.417M | 5.816779G  | 5.833196G  | 500k      | 1    |
| 16.3M   | 5.81685G   | 5.83315G   | 16.467M | 5.816754G  | 5.833221G  | 500k      | 2    |
| 16.3M   | 5.81685G   | 5.83315G   | 16.417M | 5.816779G  | 5.833196G  | 500k      | 3    |

802.11ac VHT20\_Nss1,(MCS0)\_3TX

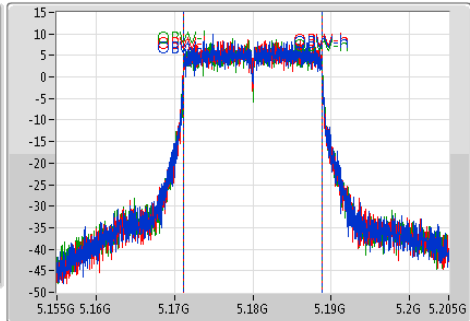
EBW

5180MHz

Ch Freq  
5.18GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.18GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



| 26dB(Hz) | FI-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.725M  | 5.1696G     | 5.190325G   | 17.591M | 5.171204G  | 5.188796G  | Inf       | 1    |
| 20.775M  | 5.169775G   | 5.19055G    | 17.641M | 5.171154G  | 5.188796G  | Inf       | 2    |
| 20.5M    | 5.1698G     | 5.1903G     | 17.641M | 5.171179G  | 5.188821G  | Inf       | 3    |

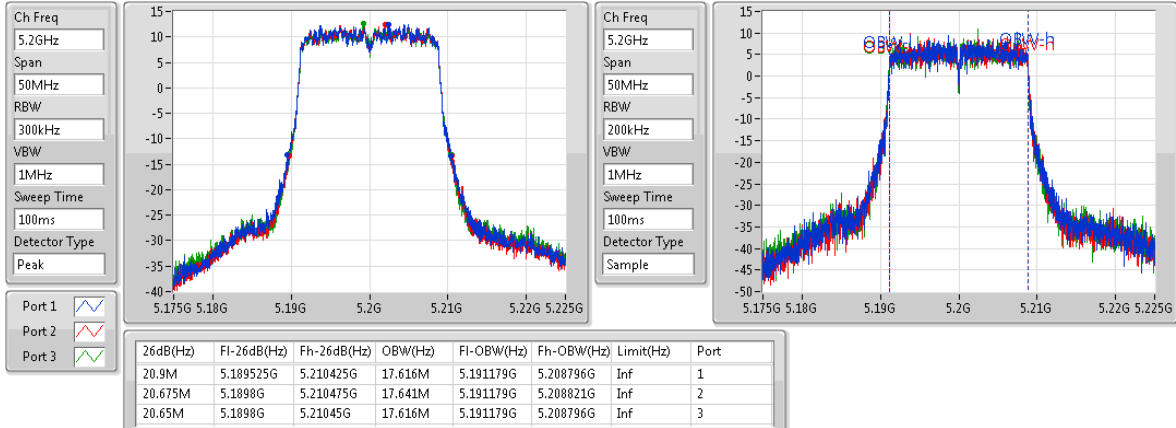




802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

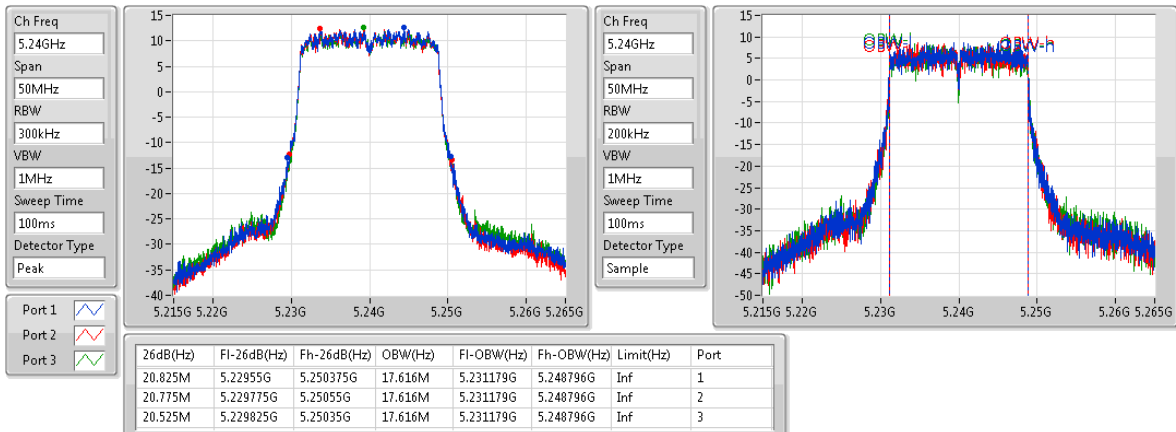
5200MHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

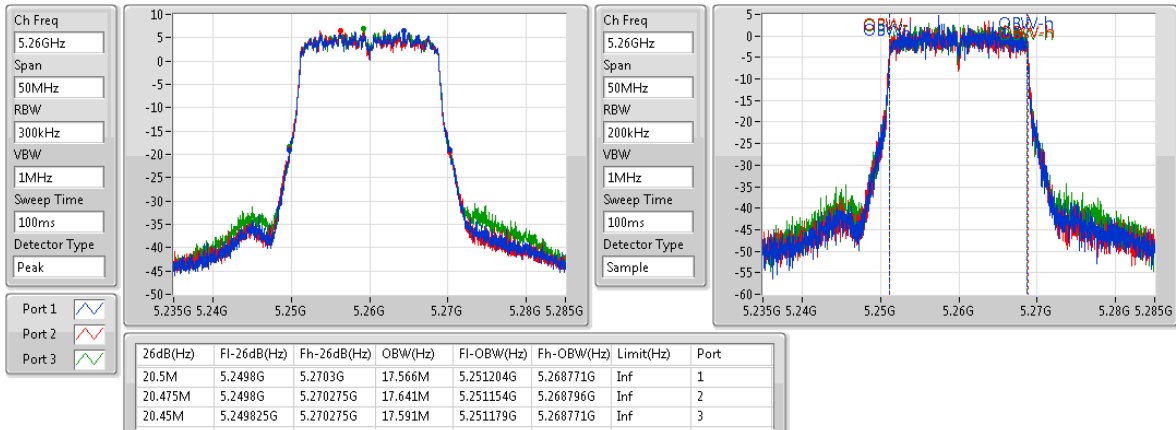
5240MHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

5260MHz

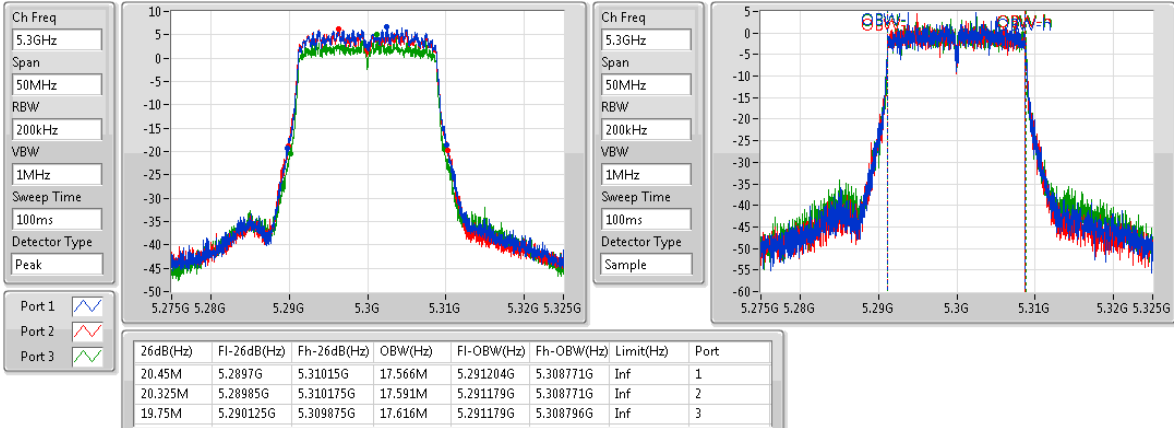




802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

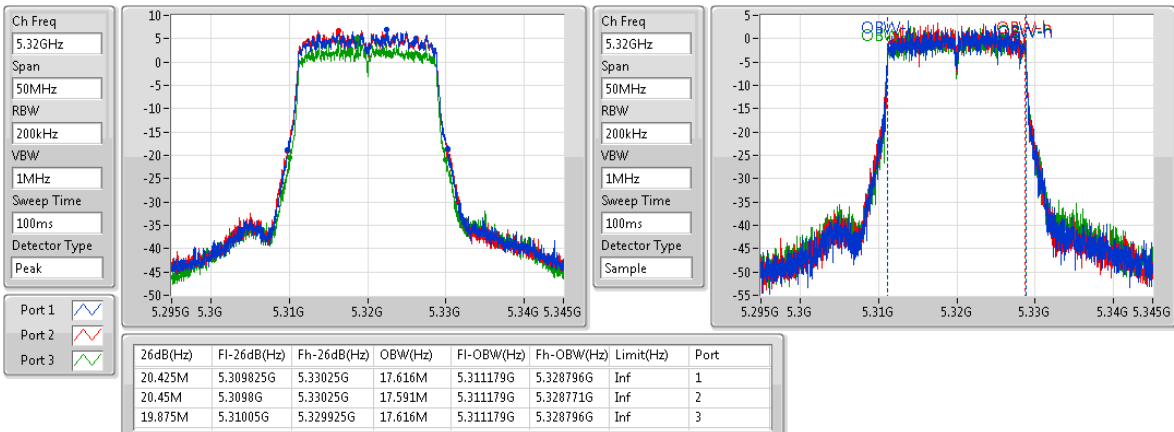
5300MHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

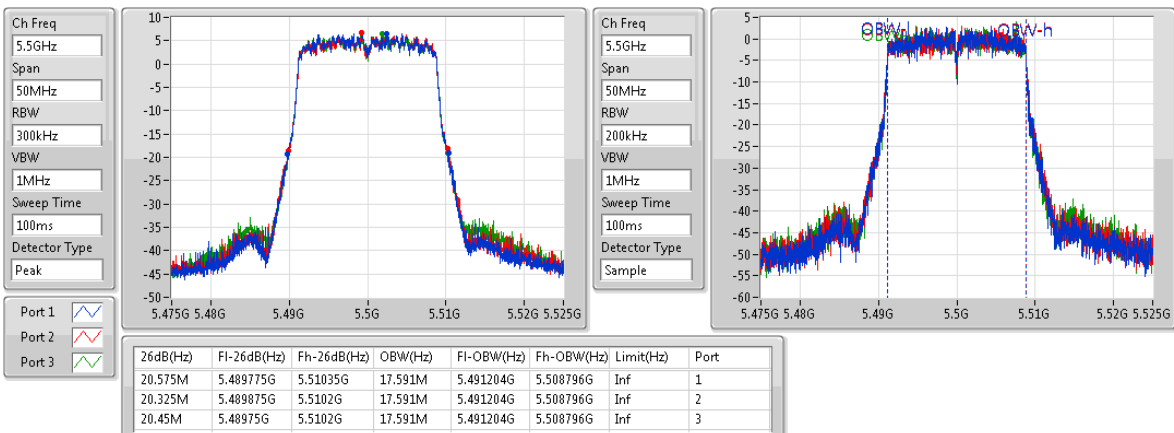
5320MHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

5500MHz

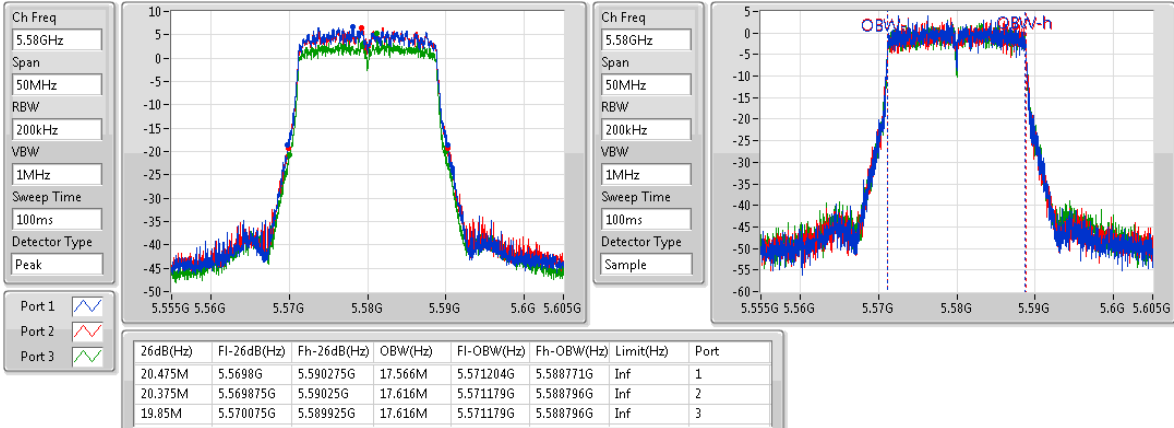




802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

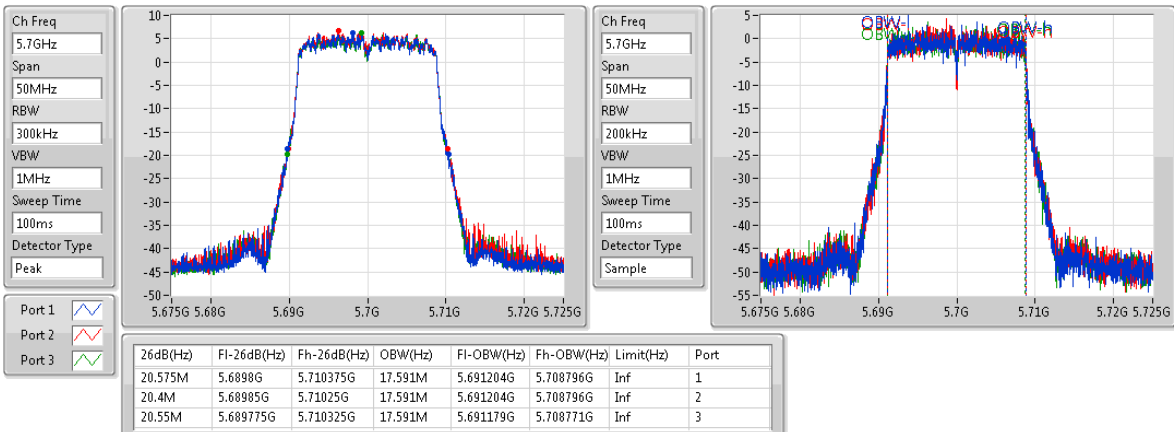
5580MHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

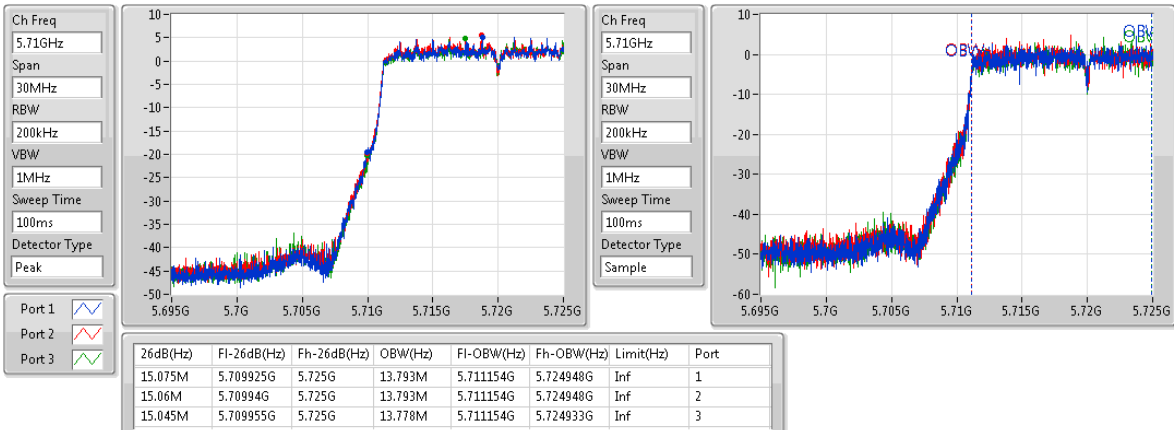
5700MHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

5720MHz Straddle 5.47-5.725GHz

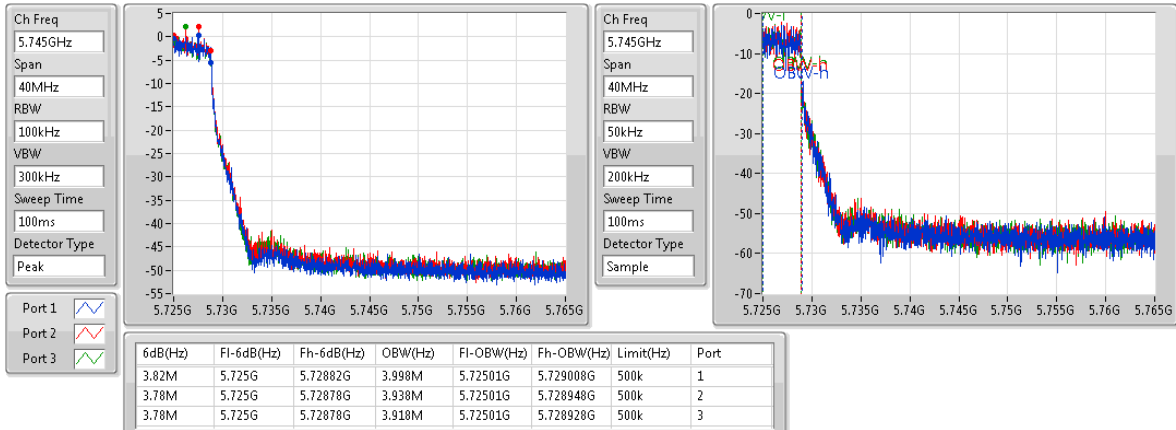




802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

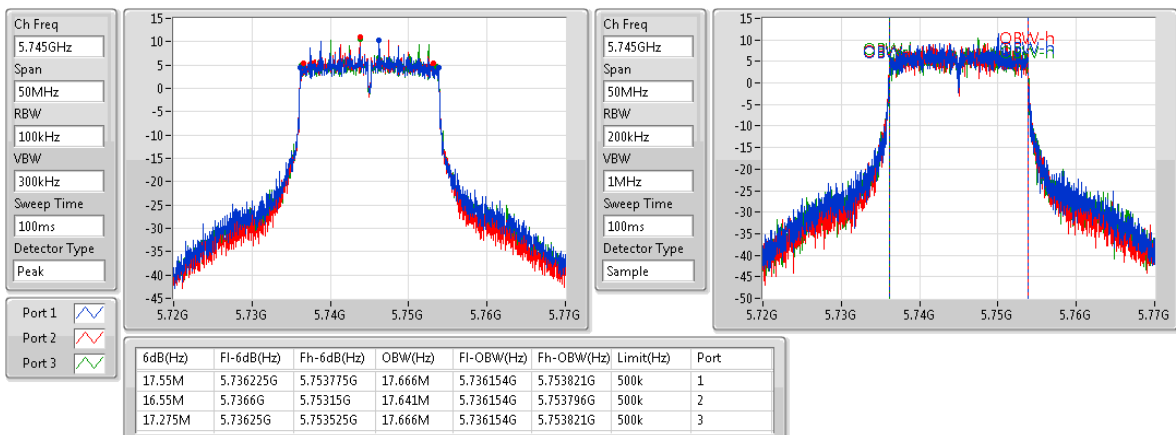
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

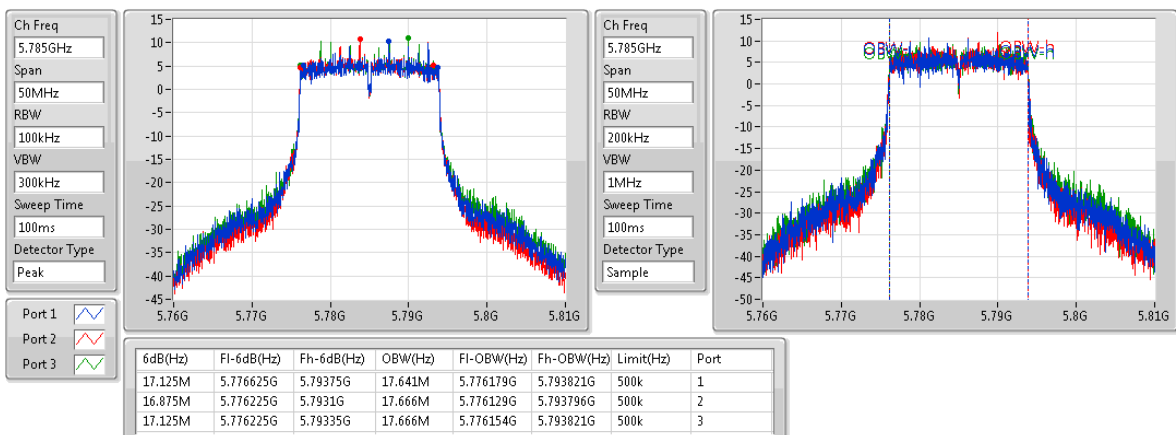
5745MHz



802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

5785MHz

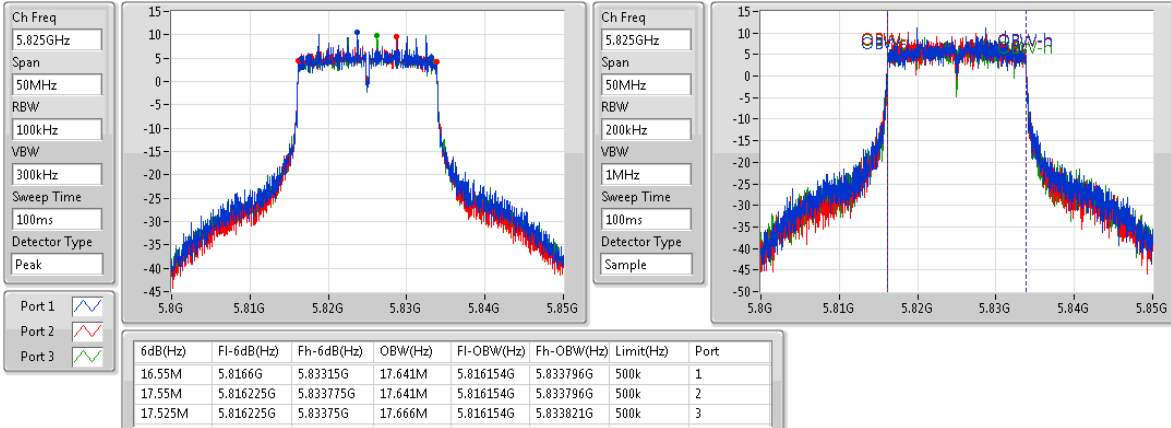




802.11ac VHT20\_Nss1,(MCS0)\_3TX

EBW

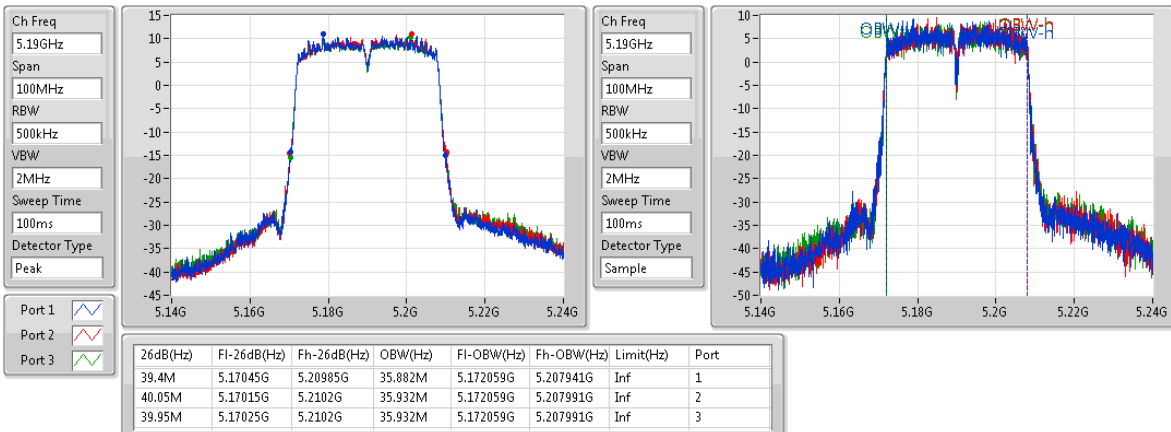
5825MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

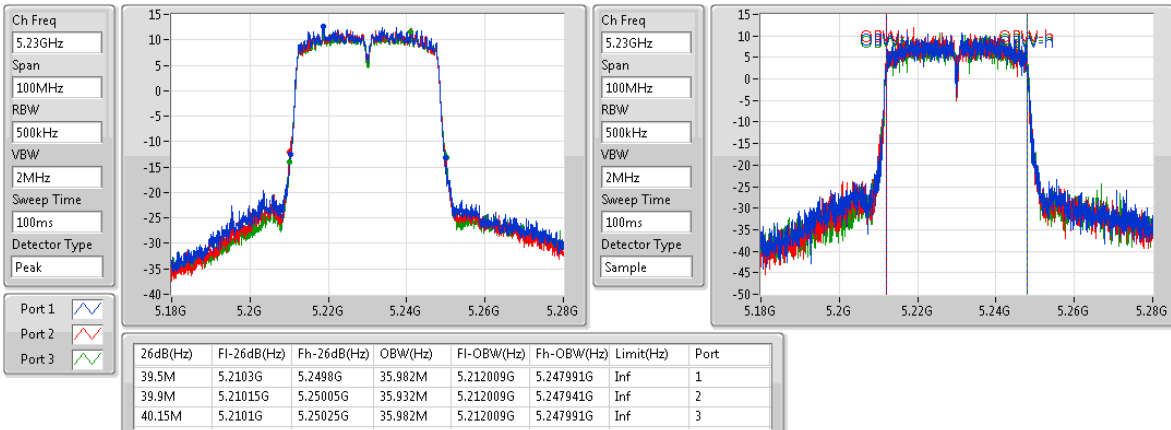
5190MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

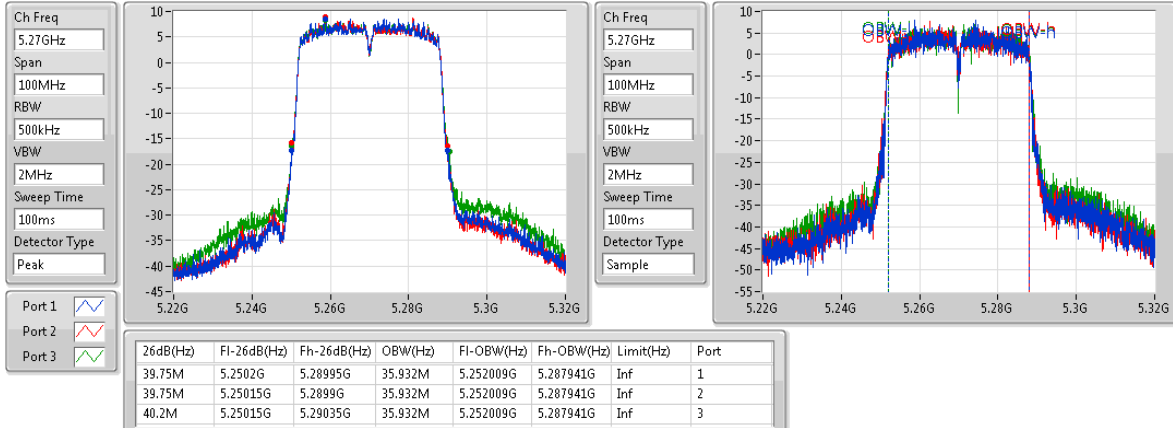
5230MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

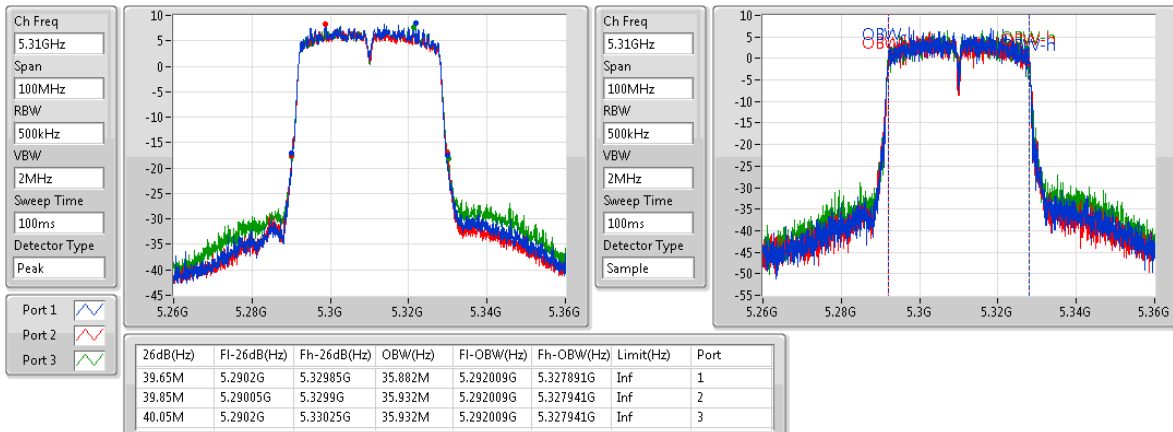
5270MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

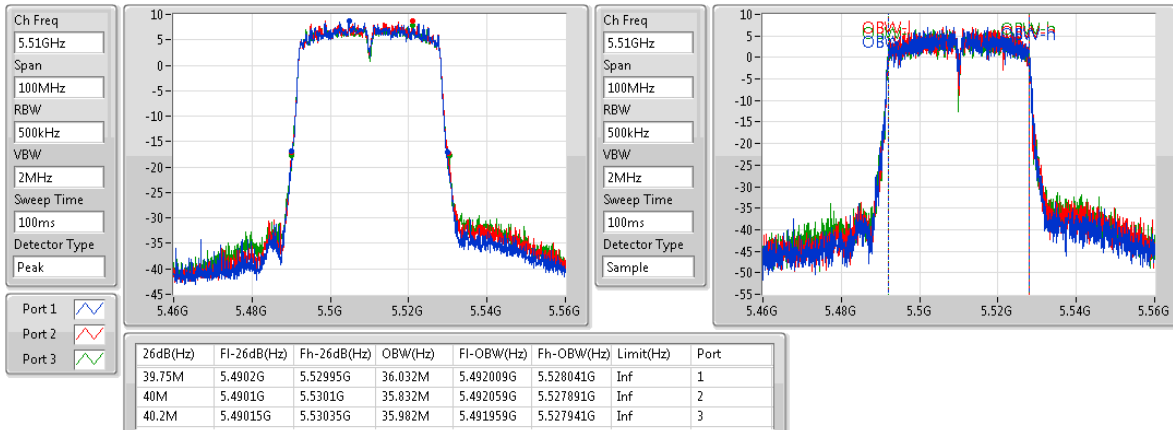
5310MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

5510MHz

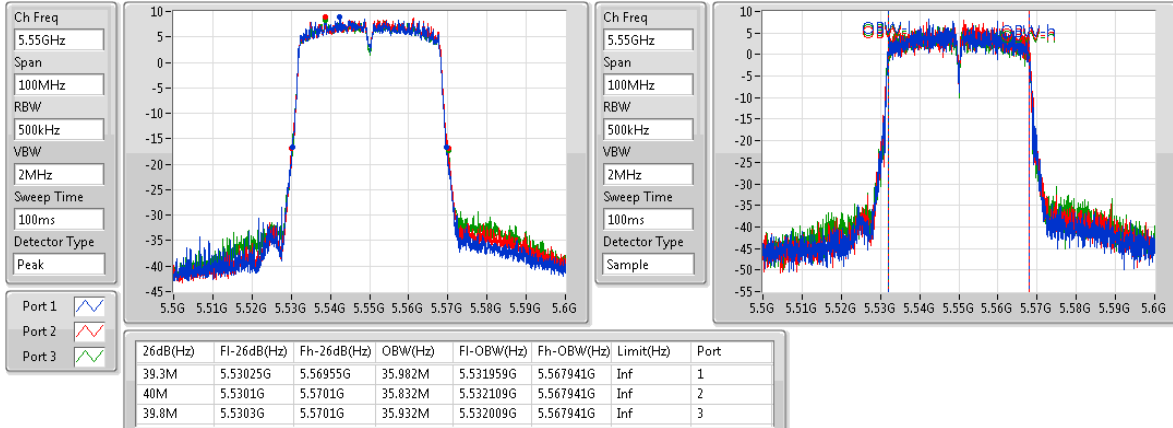




802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

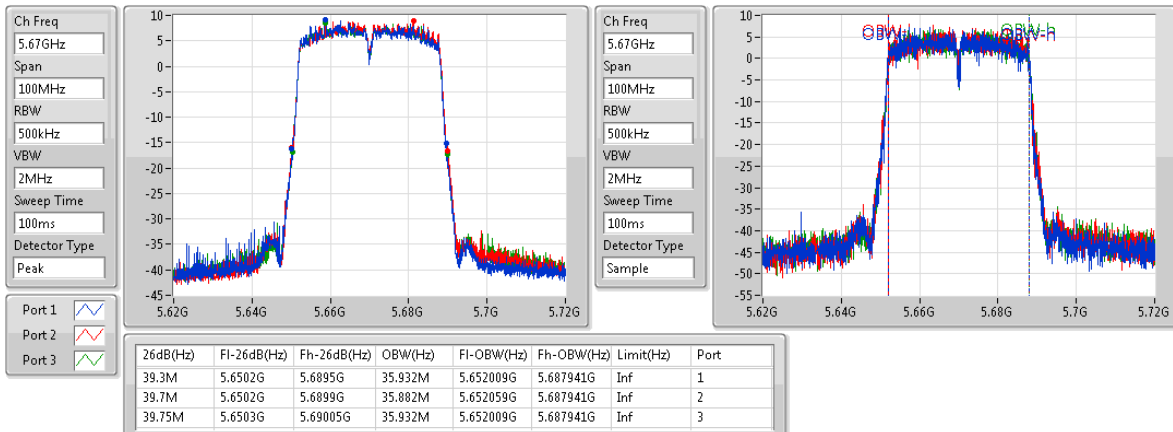
5550MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

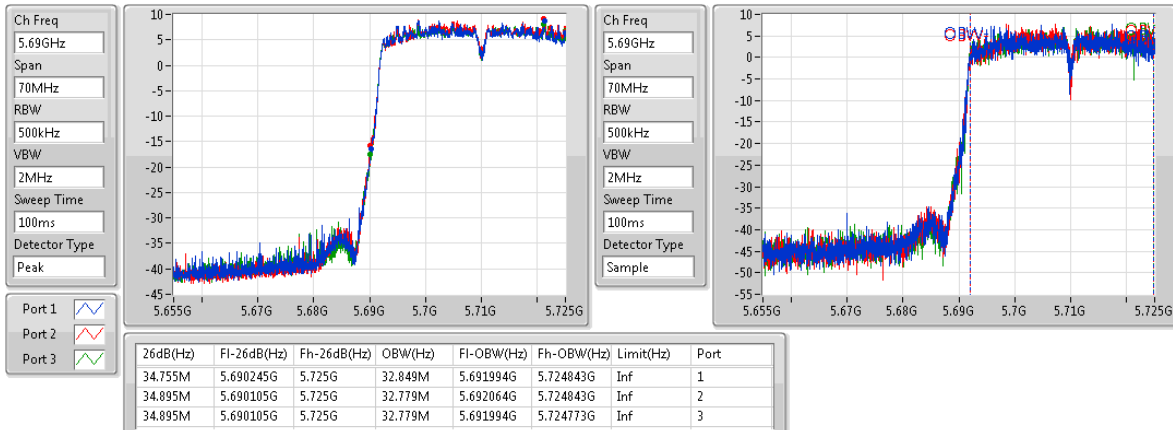
5670MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

5710MHz Straddle 5.47-5.725GHz

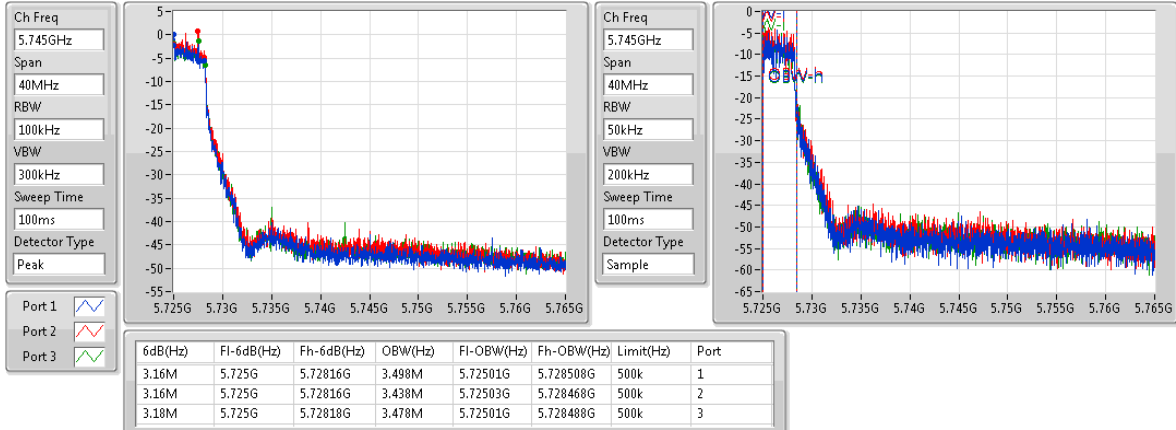




802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

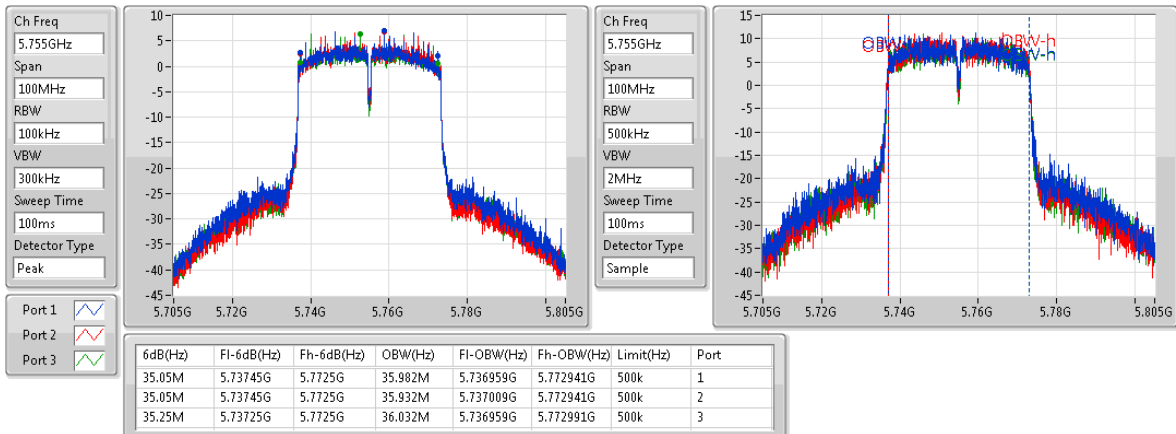
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

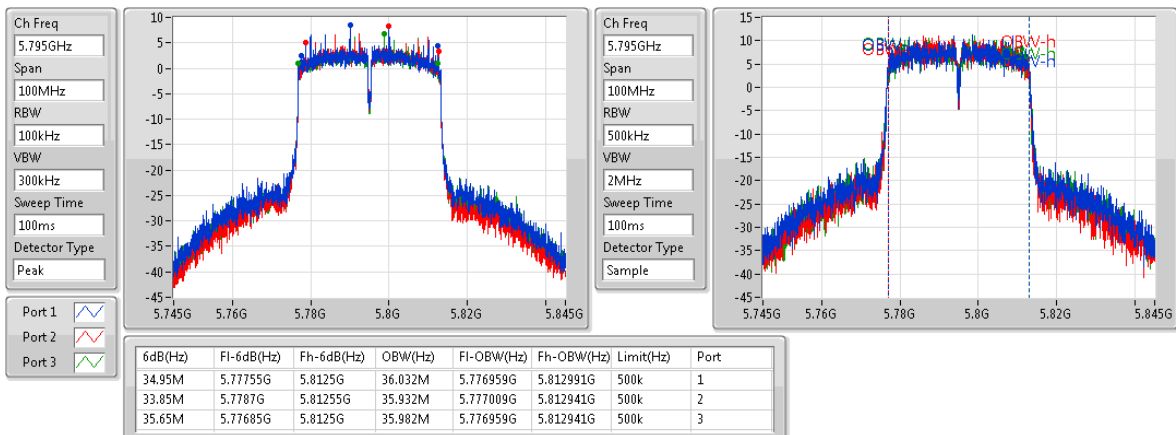
5755MHz



802.11ac VHT40\_Nss1,(MCS0)\_3TX

EBW

5795MHz





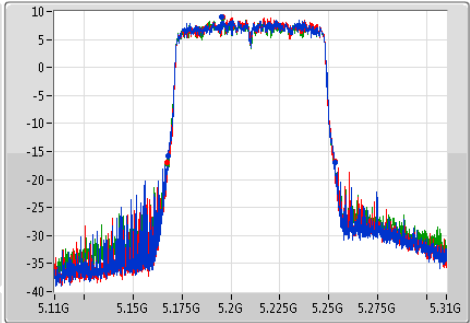


802.11ac VHT80\_Nss1,(MCS0)\_3TX

EBW

5210MHz

Ch Freq: 5.21GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.21GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



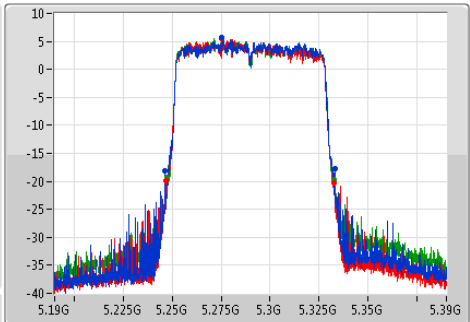
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 85.4M    | 5.1677G     | 5.2531G     | 75.762M | 5.172119G  | 5.247881G  | Inf       | 1    |
| 85.3M    | 5.1676G     | 5.2529G     | 75.862M | 5.172119G  | 5.247981G  | Inf       | 2    |
| 85.3M    | 5.1676G     | 5.2529G     | 75.762M | 5.172119G  | 5.247881G  | Inf       | 3    |

802.11ac VHT80\_Nss1,(MCS0)\_3TX

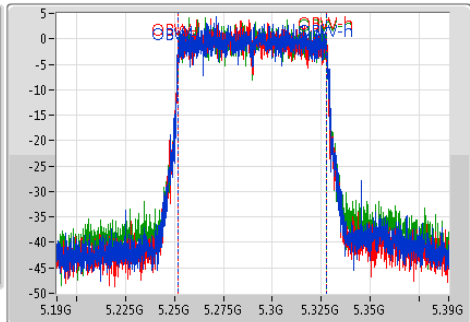
EBW

5290MHz

Ch Freq: 5.29GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.29GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



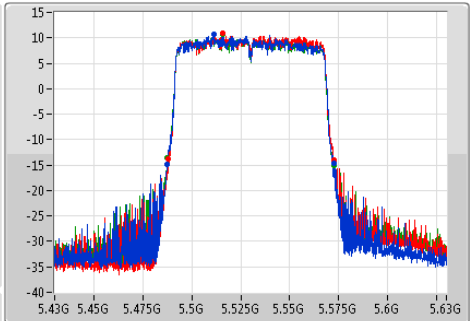
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 87.2M    | 5.2461G     | 5.3333G     | 75.862M | 5.252019G  | 5.327881G  | Inf       | 1    |
| 85.6M    | 5.2468G     | 5.3324G     | 75.862M | 5.252019G  | 5.327881G  | Inf       | 2    |
| 85.3M    | 5.2474G     | 5.3327G     | 75.862M | 5.252019G  | 5.327881G  | Inf       | 3    |

802.11ac VHT80\_Nss1,(MCS0)\_3TX

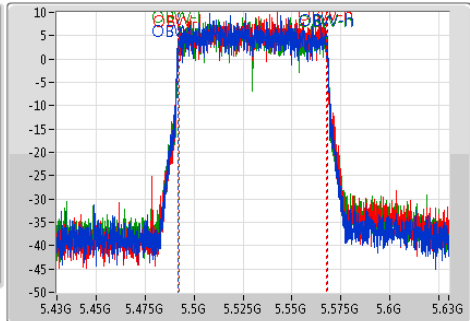
EBW

5530MHz

Ch Freq: 5.53GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.53GHz  
 Span: 200MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Sample

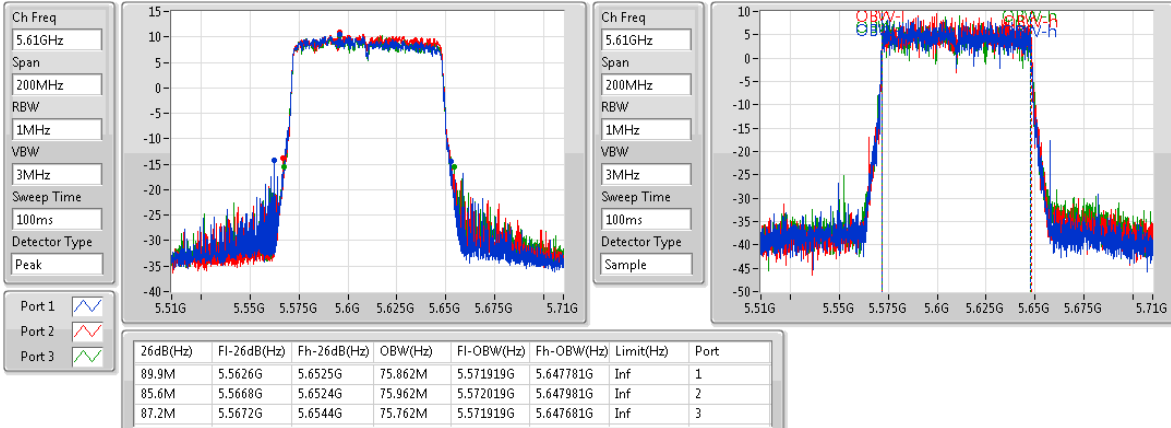


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 85.3M    | 5.4874G     | 5.5727G     | 75.962M | 5.492019G  | 5.567981G  | Inf       | 1    |
| 84.6M    | 5.4879G     | 5.5725G     | 75.762M | 5.492119G  | 5.567881G  | Inf       | 2    |
| 85M      | 5.4874G     | 5.5724G     | 75.862M | 5.492019G  | 5.567881G  | Inf       | 3    |

802.11ac VHT80\_Nss1,(MCS0)\_3TX

EBW

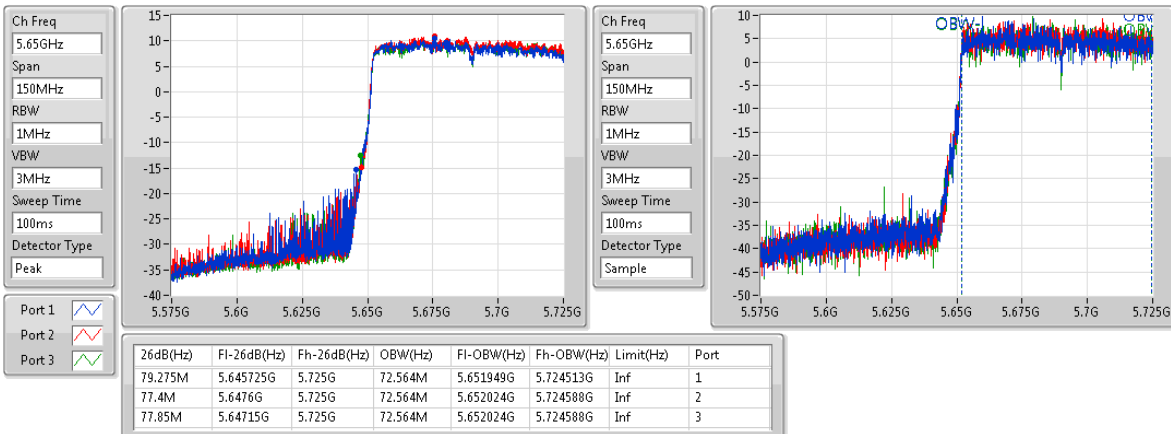
5610MHz



802.11ac VHT80\_Nss1,(MCS0)\_3TX

EBW

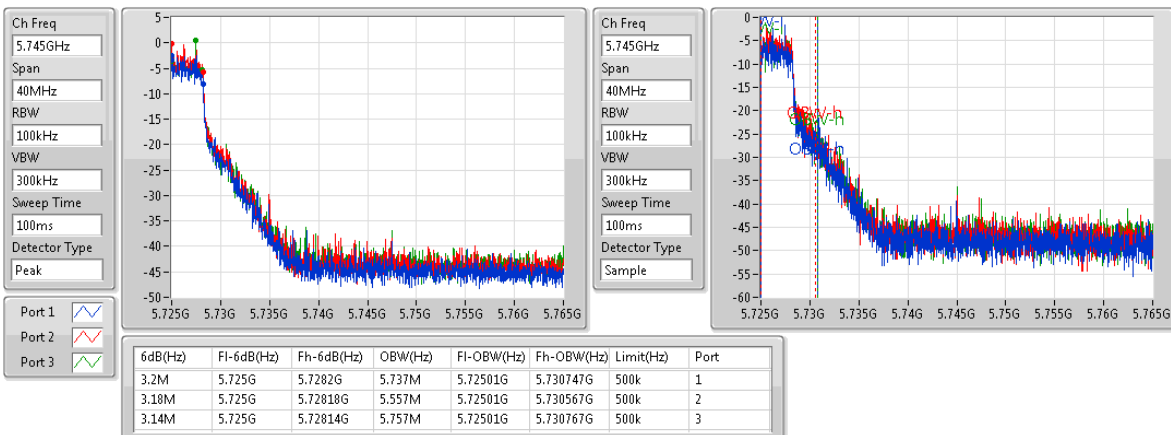
5690MHz Straddle 5.47-5.725GHz

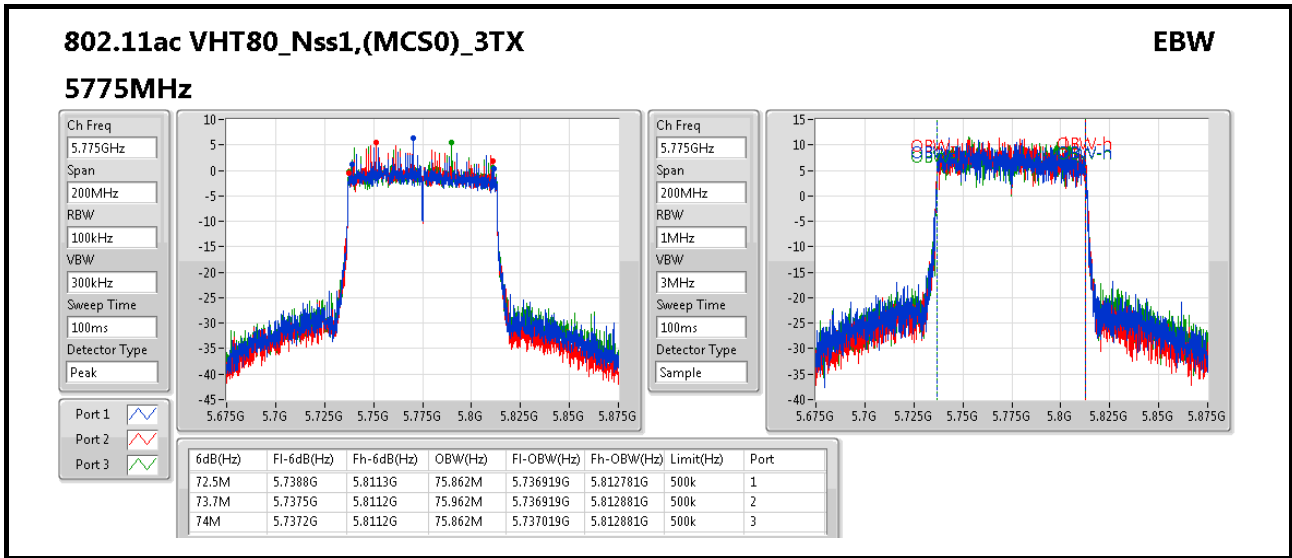


802.11ac VHT80\_Nss1,(MCS0)\_3TX

EBW

5690MHz Straddle 5.725-5.85GHz







<For Beamforming Mode>  
Summary

| Mode                              | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|-----------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_3TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 20.9M            | 17.641M         | 17M6D1D  | 20.5M            | 17.591M         |
| 5.25-5.35GHz                      | 20.7M            | 17.641M         | 17M6D1D  | 20.3M            | 17.591M         |
| 5.47-5.725GHz                     | 20.625M          | 17.616M         | 17M6D1D  | 15.075M          | 13.768M         |
| 5.725-5.85GHz                     | 17.575M          | 17.641M         | 17M6D1D  | 3.76M            | 3.958M          |
| 802.11ac VHT40-BF_Nss1,(MCS0)_3TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 40.2M            | 36.032M         | 36M0D1D  | 39.55M           | 35.882M         |
| 5.25-5.35GHz                      | 39.9M            | 36.032M         | 36M0D1D  | 39.65M           | 35.932M         |
| 5.47-5.725GHz                     | 40M              | 36.032M         | 36M0D1D  | 34.405M          | 32.779M         |
| 5.725-5.85GHz                     | 35.35M           | 36.082M         | 36M1D1D  | 2.92M            | 3.478M          |
| 802.11ac VHT80-BF_Nss1,(MCS0)_3TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 86.1M            | 75.762M         | 75M8D1D  | 85.1M            | 75.662M         |
| 5.25-5.35GHz                      | 89.3M            | 75.862M         | 75M9D1D  | 84M              | 75.662M         |
| 5.47-5.725GHz                     | 86.8M            | 75.862M         | 75M9D1D  | 76.575M          | 72.414M         |
| 5.725-5.85GHz                     | 75.1M            | 75.862M         | 75M9D1D  | 3.18M            | 6.597M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

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

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

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



Result

| Mode                                     | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) |
|--|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11ac<br>VHT20-BF_Nss1,(MCS0)_3<br>TX | -      | -          | -                | -               | -                | -               | -                | -               |
| 5180MHz                                  | Pass   | Inf        | 20.85M           | 17.616M         | 20.55M           | 17.591M         | 20.5M            | 17.616M         |
| 5200MHz                                  | Pass   | Inf        | 20.625M          | 17.616M         | 20.775M          | 17.616M         | 20.65M           | 17.616M         |
| 5240MHz                                  | Pass   | Inf        | 20.6M            | 17.641M         | 20.9M            | 17.591M         | 20.625M          | 17.616M         |
| 5260MHz                                  | Pass   | Inf        | 20.55M           | 17.591M         | 20.5M            | 17.641M         | 20.6M            | 17.616M         |
| 5300MHz                                  | Pass   | Inf        | 20.5M            | 17.616M         | 20.55M           | 17.616M         | 20.3M            | 17.591M         |
| 5320MHz                                  | Pass   | Inf        | 20.65M           | 17.616M         | 20.5M            | 17.616M         | 20.7M            | 17.591M         |
| 5500MHz                                  | Pass   | Inf        | 20.325M          | 17.616M         | 20.375M          | 17.616M         | 20.425M          | 17.566M         |
| 5580MHz                                  | Pass   | Inf        | 20.475M          | 17.591M         | 20.625M          | 17.591M         | 20.5M            | 17.591M         |
| 5700MHz                                  | Pass   | Inf        | 15.575M          | 13.818M         | 15.225M          | 13.818M         | 15.075M          | 13.768M         |
| 5720MHz Straddle<br>5.47-5.725GHz        | Pass   | Inf        | 15.225M          | 13.808M         | 15.225M          | 13.778M         | 15.12M           | 13.778M         |
| 5720MHz Straddle<br>5.725-5.85GHz        | Pass   | 500k       | 3.82M            | 3.958M          | 3.76M            | 3.998M          | 3.78M            | 3.978M          |
| 5745MHz                                  | Pass   | 500k       | 17.525M          | 17.616M         | 17.55M           | 17.641M         | 17.525M          | 17.616M         |
| 5785MHz                                  | Pass   | 500k       | 17.525M          | 17.616M         | 17.125M          | 17.641M         | 17.55M           | 17.616M         |
| 5825MHz                                  | Pass   | 500k       | 17.525M          | 17.616M         | 17.575M          | 17.616M         | 17.55M           | 17.616M         |
| 802.11ac<br>VHT40-BF_Nss1,(MCS0)_3<br>TX | -      | -          | -                | -               | -                | -               | -                | -               |
| 5190MHz                                  | Pass   | Inf        | 39.55M           | 35.982M         | 39.65M           | 35.882M         | 40.2M            | 35.932M         |
| 5230MHz                                  | Pass   | Inf        | 39.85M           | 35.982M         | 39.8M            | 35.982M         | 39.95M           | 36.032M         |
| 5270MHz                                  | Pass   | Inf        | 39.7M            | 35.932M         | 39.65M           | 35.932M         | 39.7M            | 36.032M         |
| 5310MHz                                  | Pass   | Inf        | 39.7M            | 35.932M         | 39.8M            | 35.932M         | 39.9M            | 35.932M         |
| 5510MHz                                  | Pass   | Inf        | 39.85M           | 35.982M         | 39.65M           | 35.982M         | 39.85M           | 35.982M         |
| 5550MHz                                  | Pass   | Inf        | 39.6M            | 35.932M         | 39.4M            | 35.882M         | 40M              | 35.982M         |
| 5670MHz                                  | Pass   | Inf        | 39.35M           | 35.932M         | 39.35M           | 35.932M         | 39.55M           | 36.032M         |
| 5710MHz Straddle<br>5.47-5.725GHz        | Pass   | Inf        | 34.51M           | 32.884M         | 34.44M           | 32.779M         | 34.405M          | 32.779M         |
| 5710MHz Straddle<br>5.725-5.85GHz        | Pass   | 500k       | 2.92M            | 3.498M          | 3.18M            | 3.478M          | 3.2M             | 3.498M          |
| 5755MHz                                  | Pass   | 500k       | 35.3M            | 35.982M         | 35.05M           | 35.932M         | 31.25M           | 35.982M         |
| 5795MHz                                  | Pass   | 500k       | 35.35M           | 36.082M         | 33.75M           | 35.982M         | 30.4M            | 36.032M         |
| 802.11ac<br>VHT80-BF_Nss1,(MCS0)_3<br>TX | -      | -          | -                | -               | -                | -               | -                | -               |
| 5210MHz                                  | Pass   | Inf        | 85.1M            | 75.762M         | 86.1M            | 75.662M         | 85.4M            | 75.662M         |
| 5290MHz                                  | Pass   | Inf        | 87.1M            | 75.662M         | 84M              | 75.662M         | 89.3M            | 75.862M         |
| 5530MHz                                  | Pass   | Inf        | 85.2M            | 75.762M         | 85.3M            | 75.862M         | 85M              | 75.762M         |
| 5610MHz                                  | Pass   | Inf        | 85.3M            | 75.762M         | 86.2M            | 75.562M         | 86.8M            | 75.762M         |
| 5690MHz Straddle<br>5.47-5.725GHz        | Pass   | Inf        | 76.575M          | 72.414M         | 77.25M           | 72.564M         | 77.925M          | 72.639M         |
| 5690MHz Straddle<br>5.725-5.85GHz        | Pass   | 500k       | 3.2M             | 7.536M          | 3.18M            | 6.597M          | 3.18M            | 7.216M          |
| 5775MHz                                  | Pass   | 500k       | 75.1M            | 75.862M         | 75M              | 75.562M         | 75M              | 75.762M         |

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band



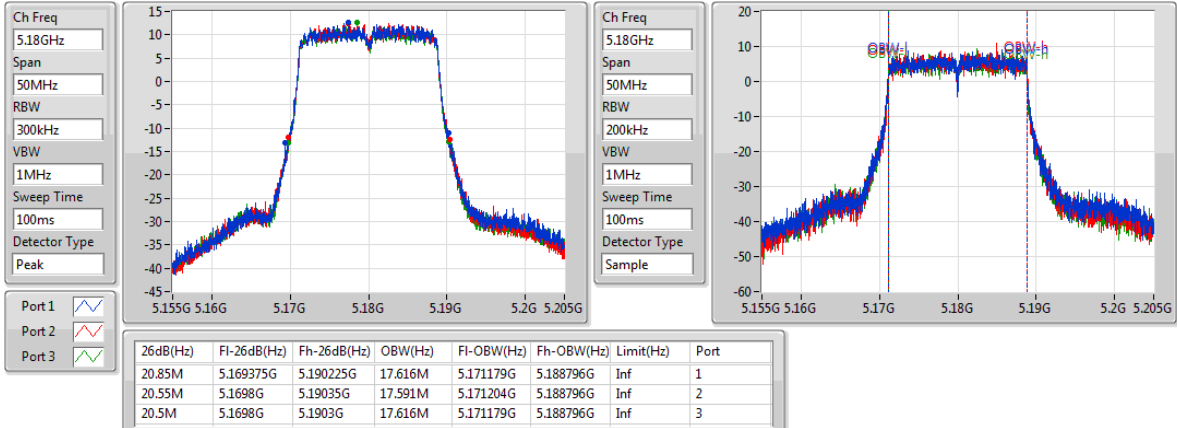
**Port X-OBW** = Port X 99% occupied bandwidth;



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

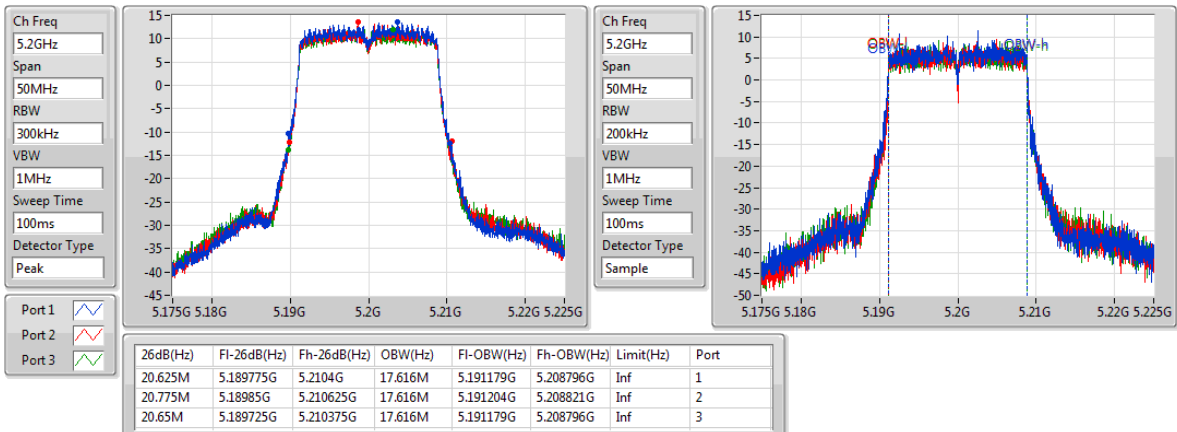
5180MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

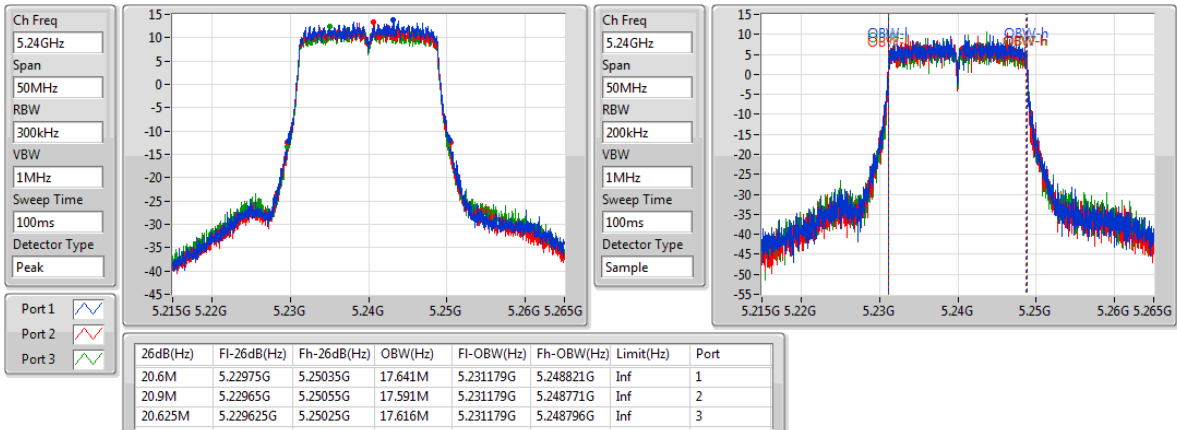
5200MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

5240MHz

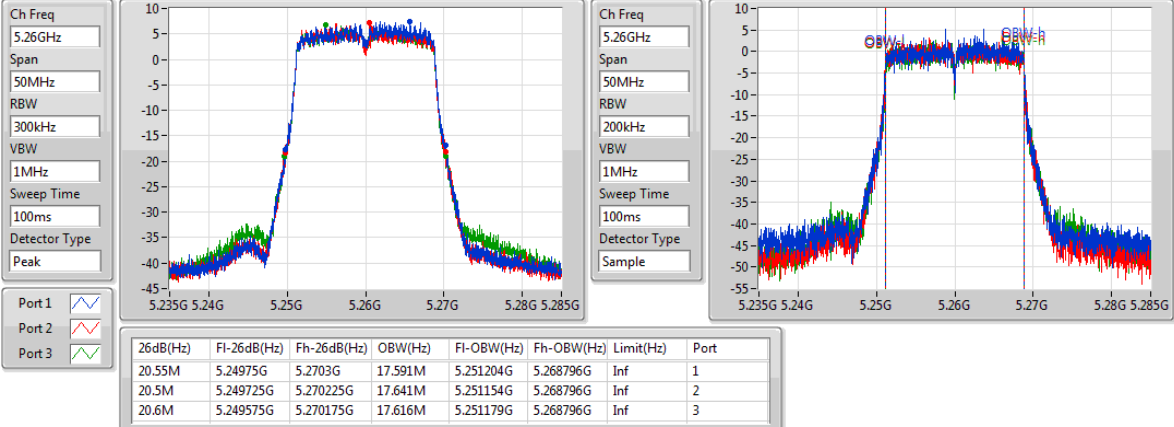




802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

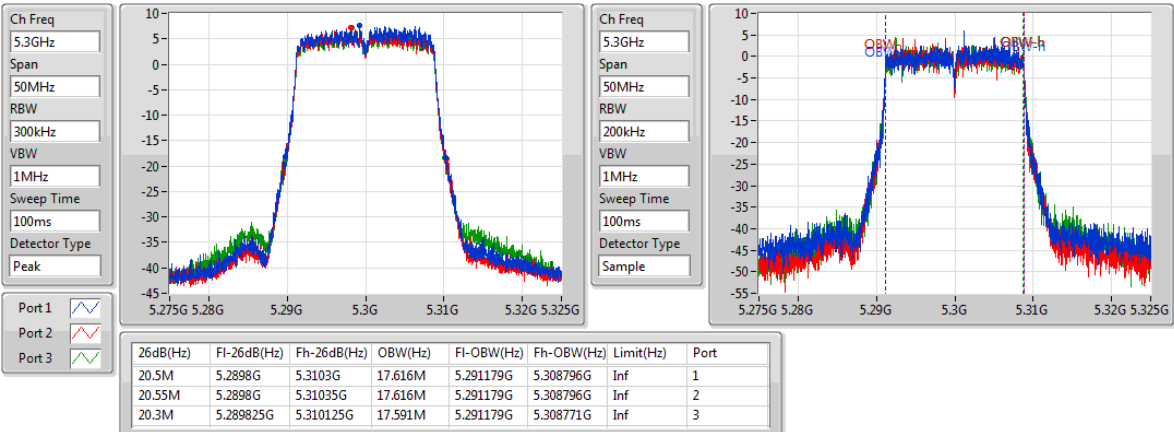
5260MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

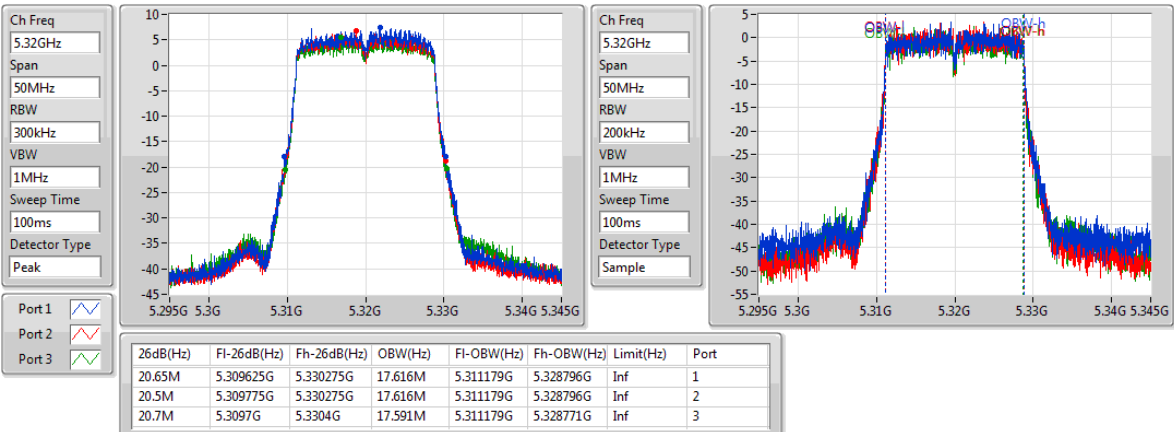
5300MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

5320MHz



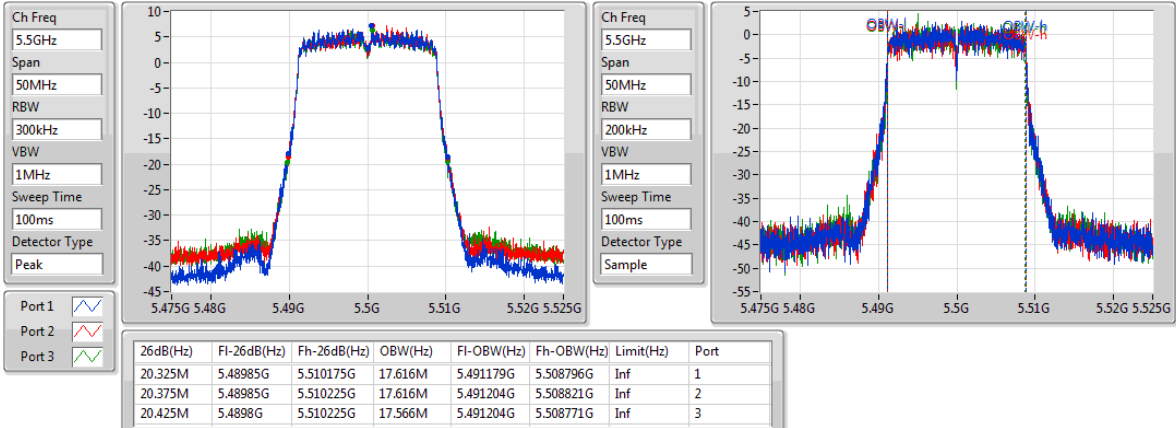




802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

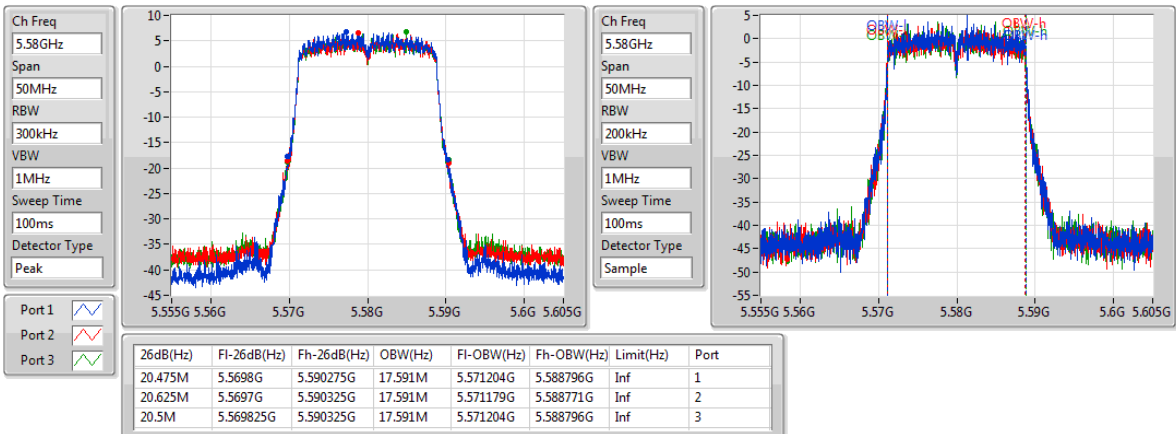
5500MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

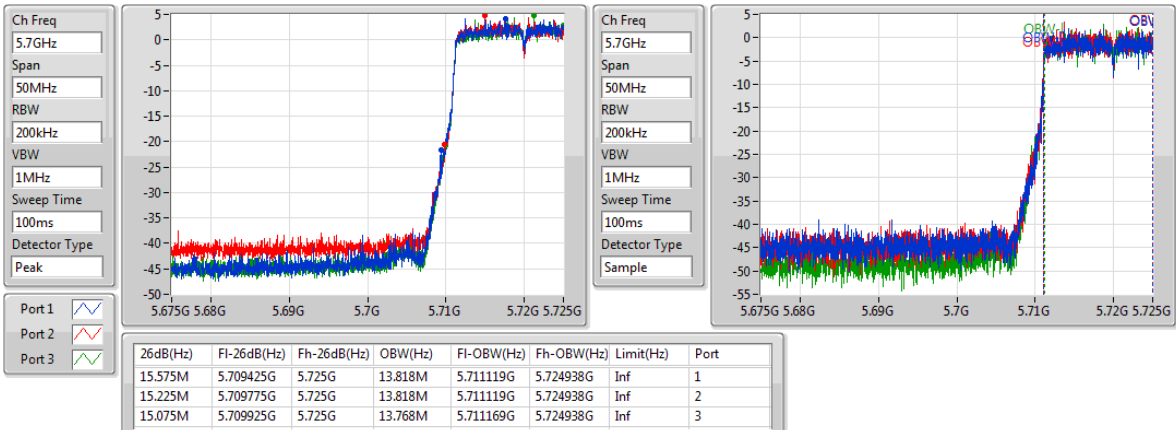
5580MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

5700MHz

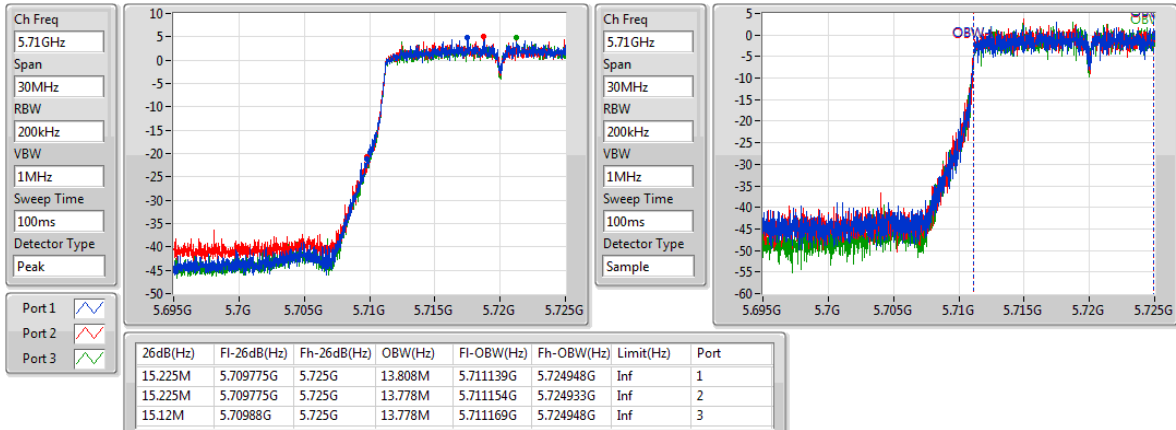




802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

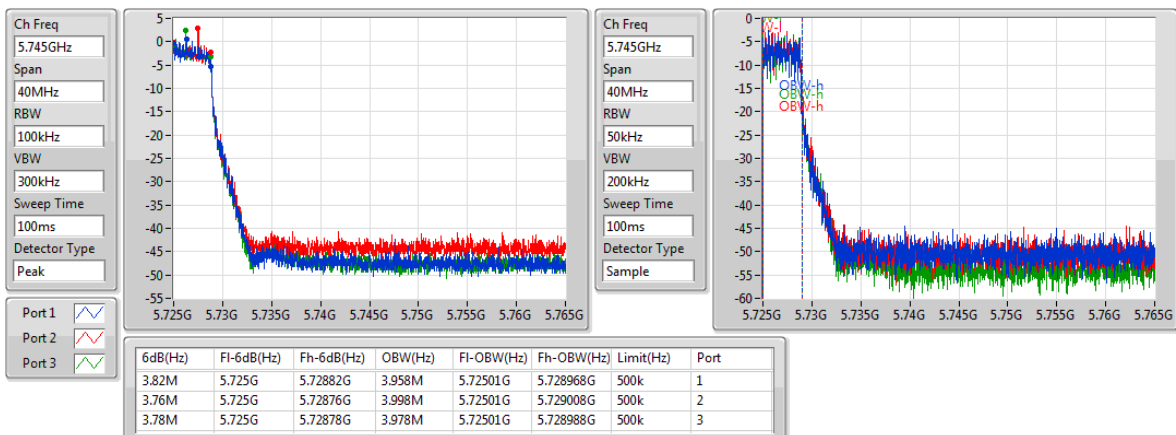
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

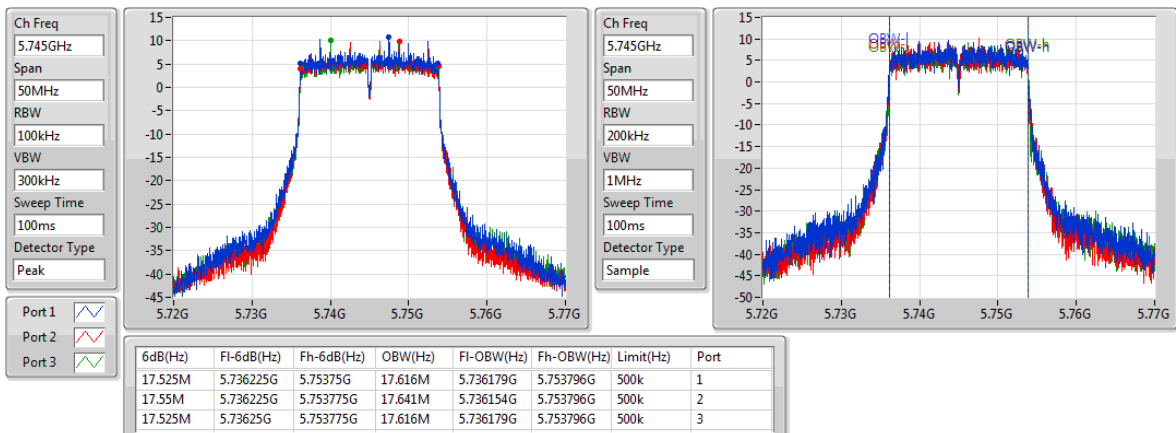
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

5745MHz

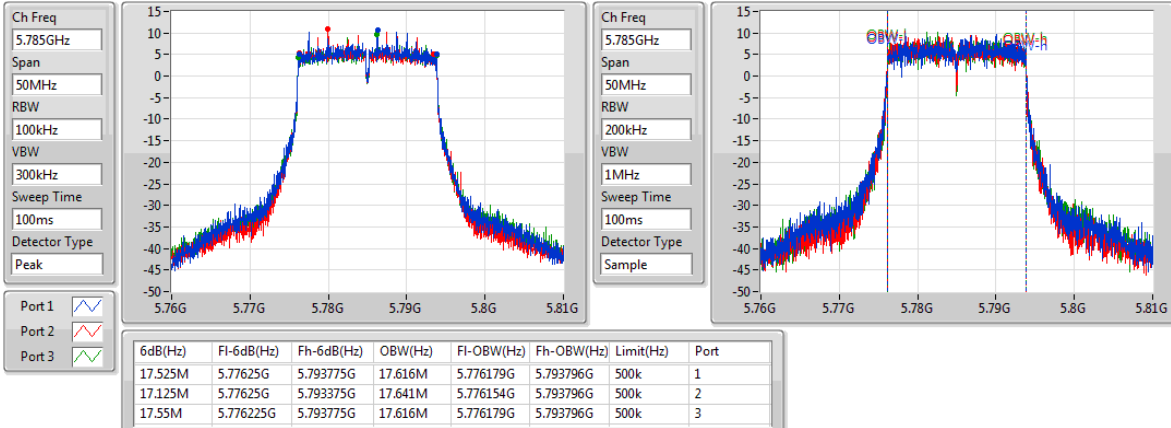




802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

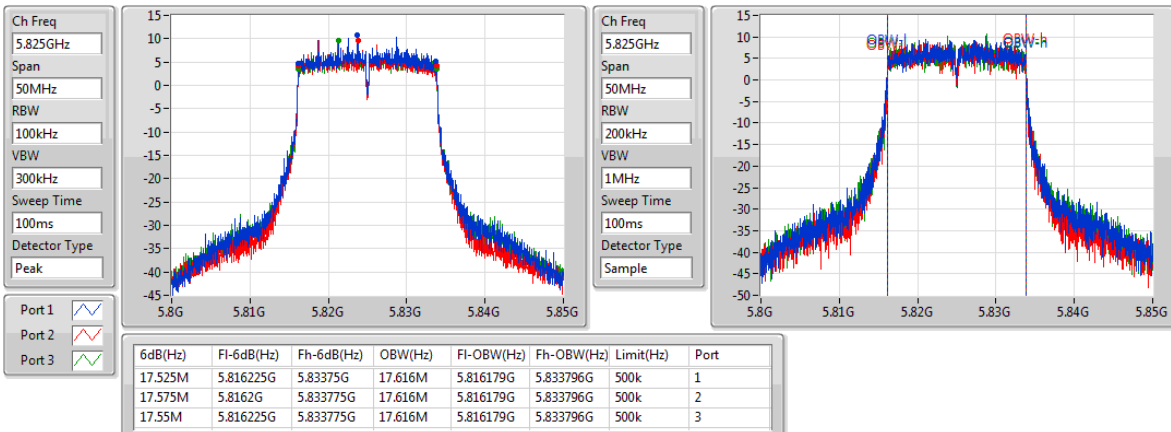
5785MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_3TX

EBW

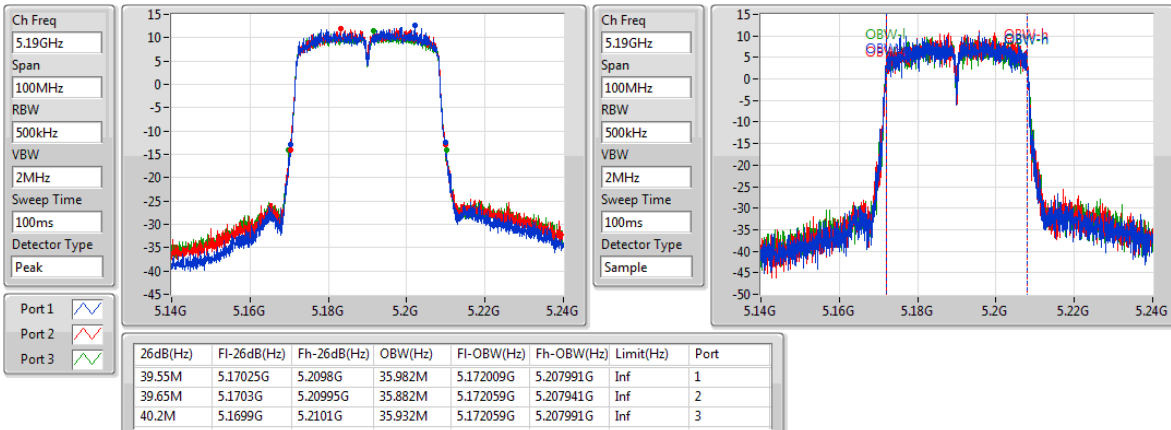
5825MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

5190MHz

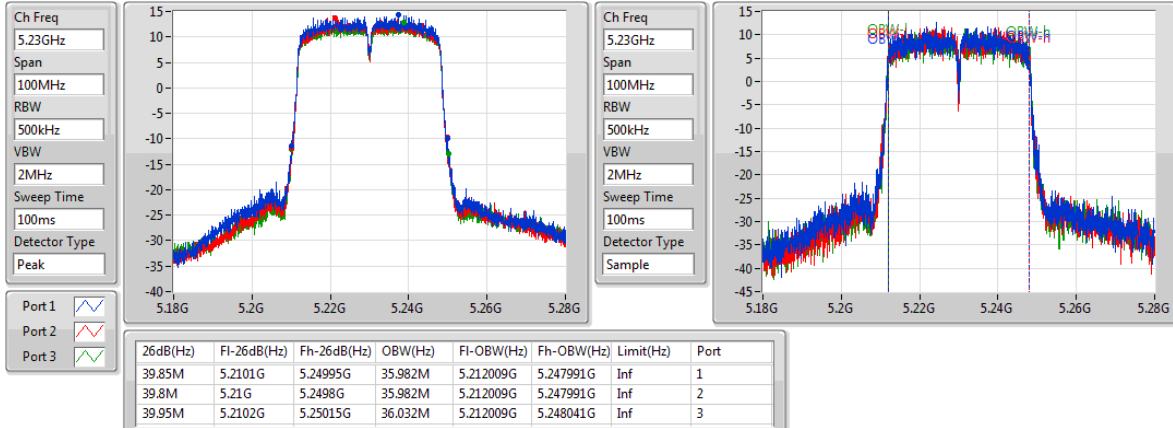




802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

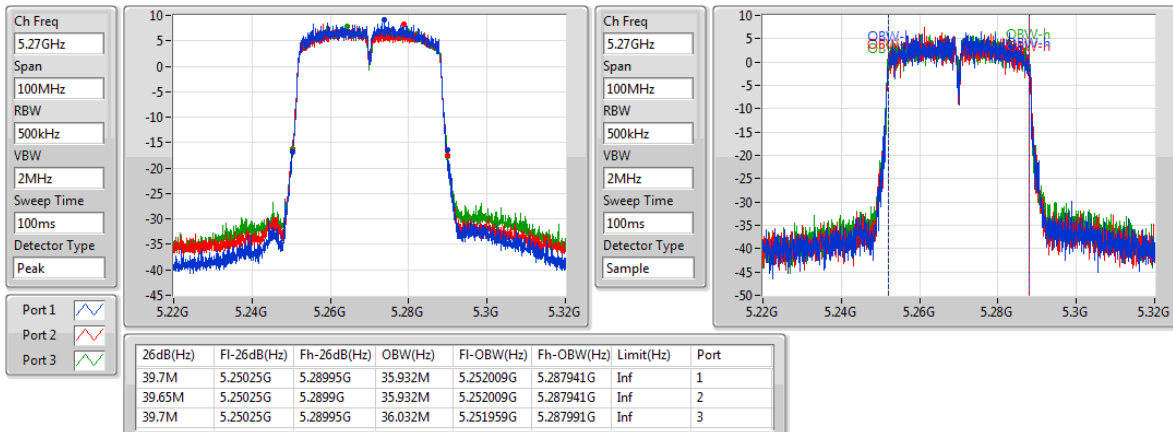
5230MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

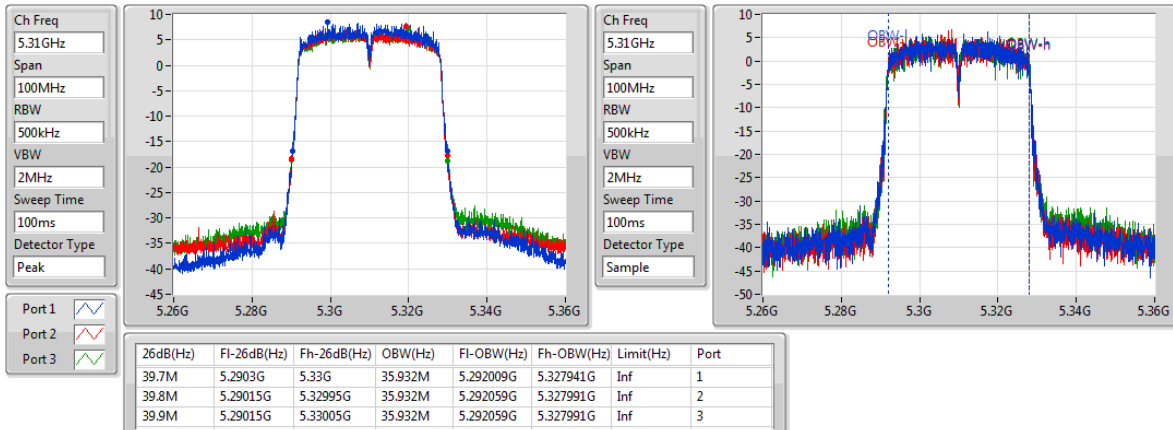
5270MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

5310MHz

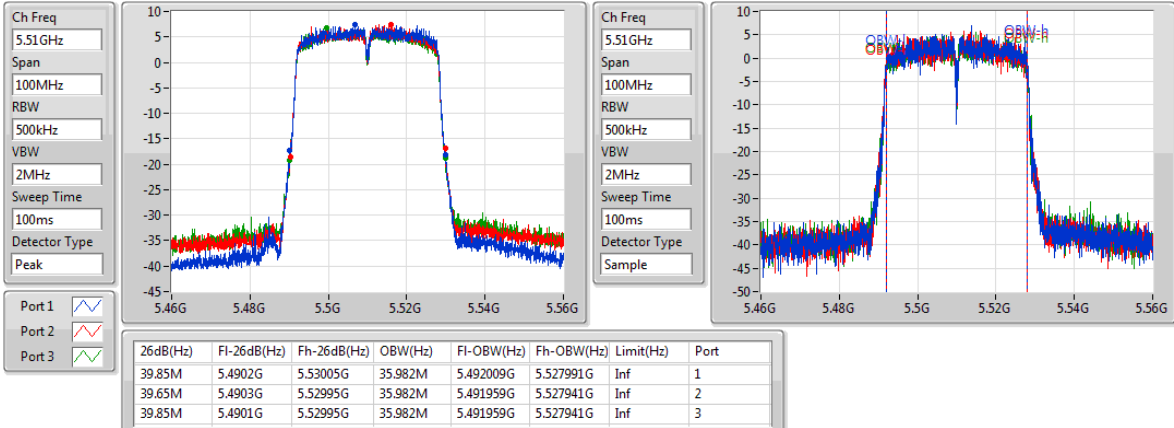




802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

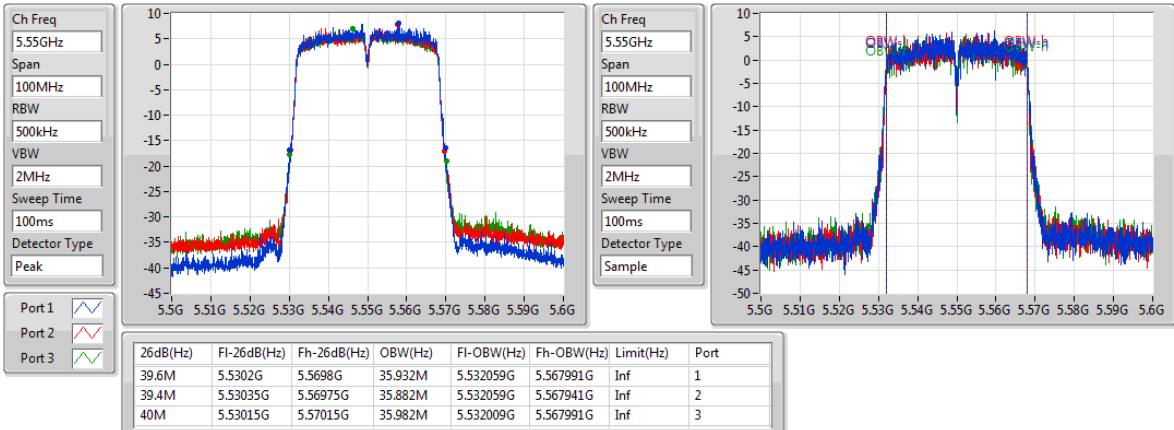
5510MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

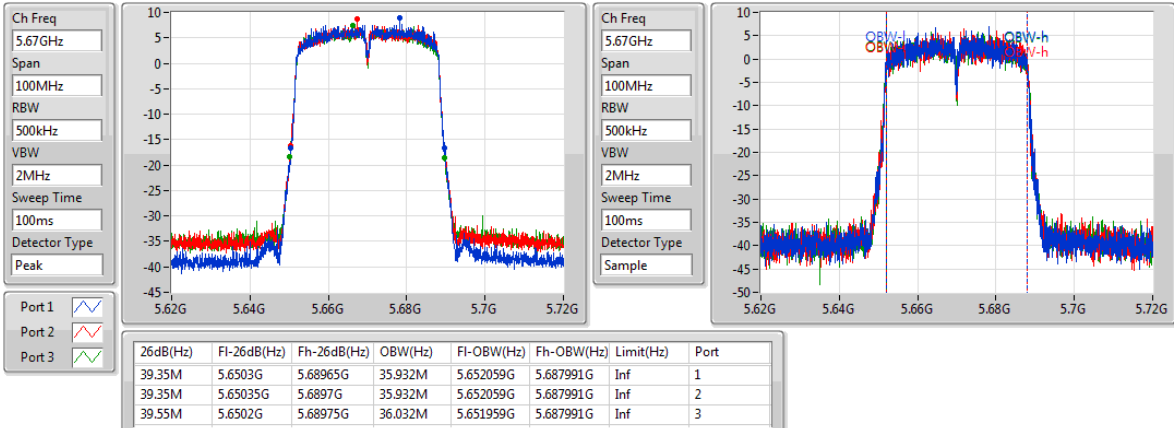
5550MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

5670MHz

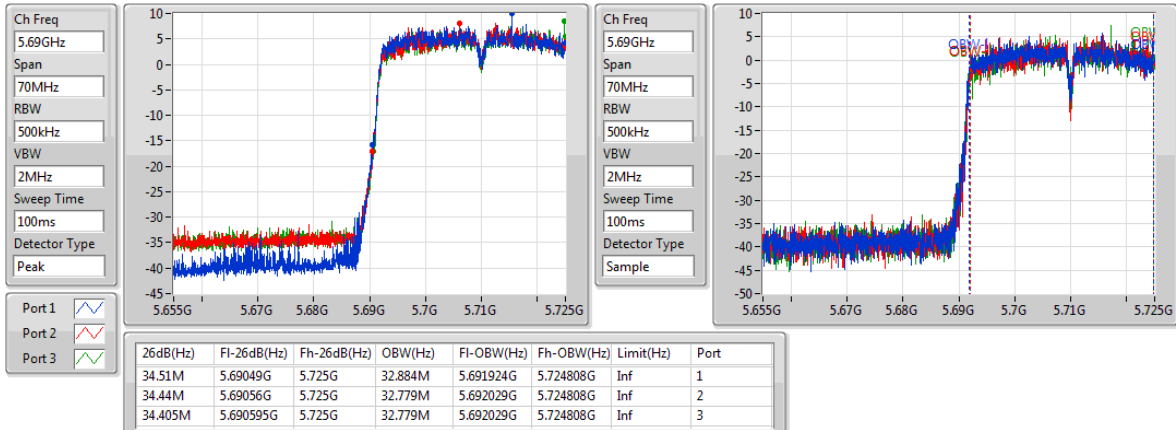




802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

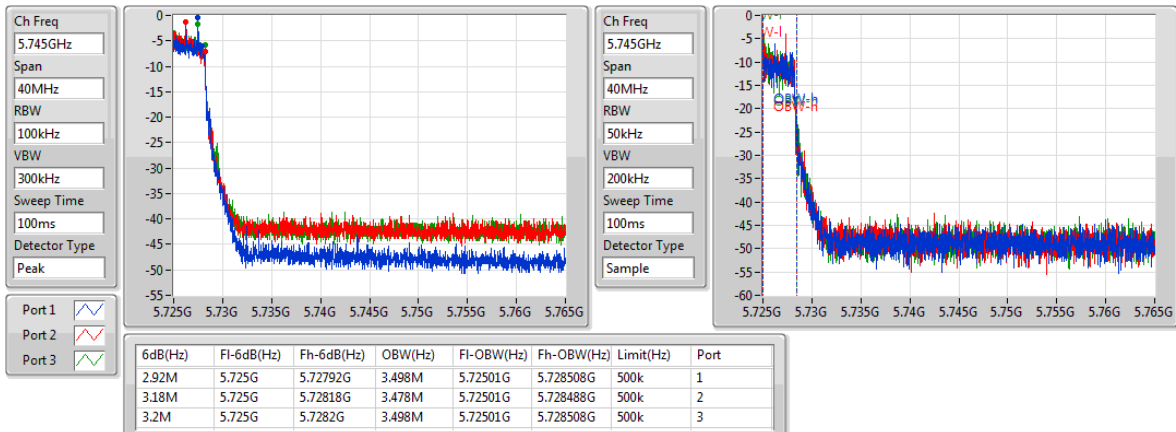
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

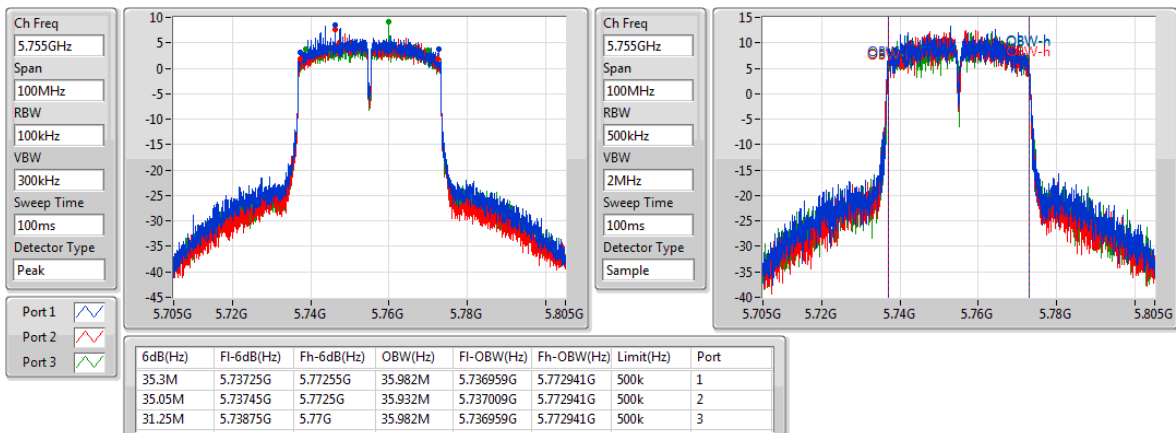
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

5755MHz

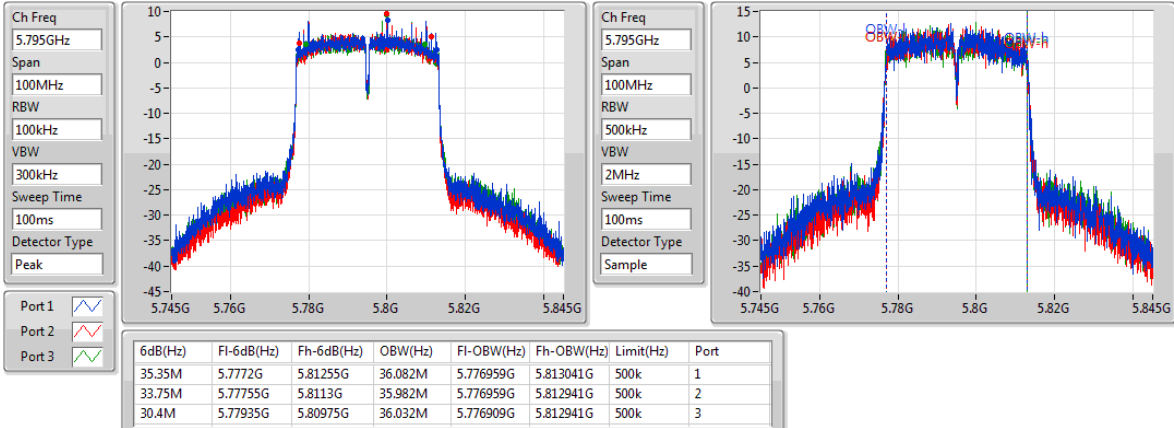




802.11ac VHT40-BF\_Nss1,(MCS0)\_3TX

EBW

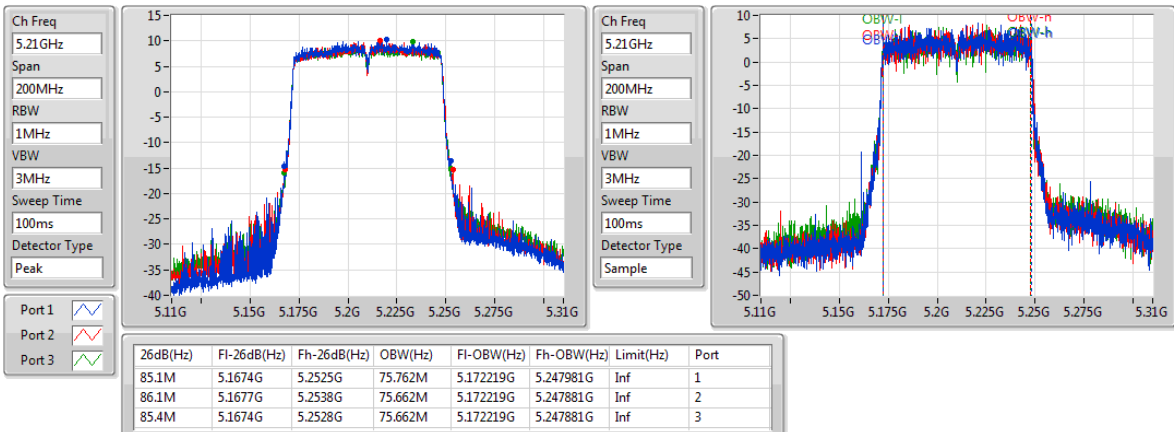
5795MHz



802.11ac VHT80-BF\_Nss1,(MCS0)\_3TX

EBW

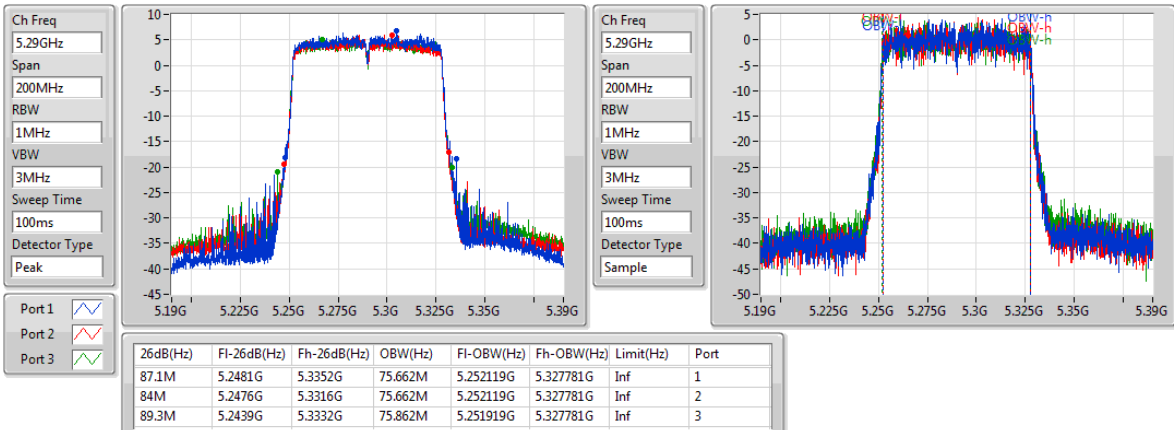
5210MHz



802.11ac VHT80-BF\_Nss1,(MCS0)\_3TX

EBW

5290MHz

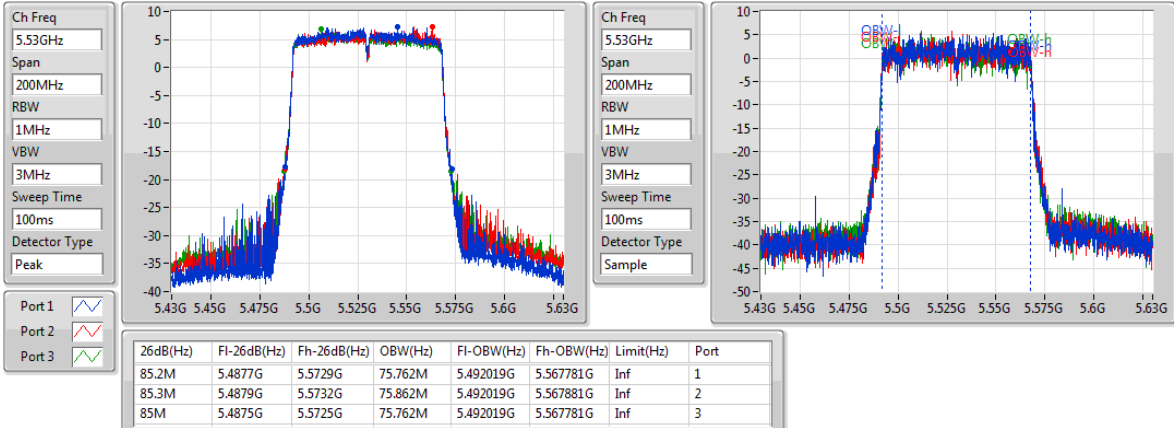




802.11ac VHT80-BF\_Nss1,(MCS0)\_3TX

EBW

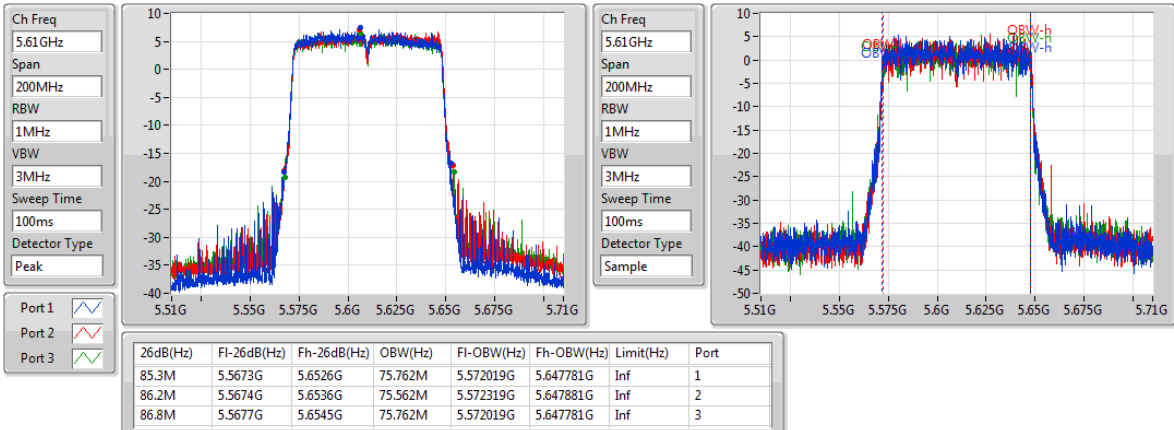
5530MHz



802.11ac VHT80-BF\_Nss1,(MCS0)\_3TX

EBW

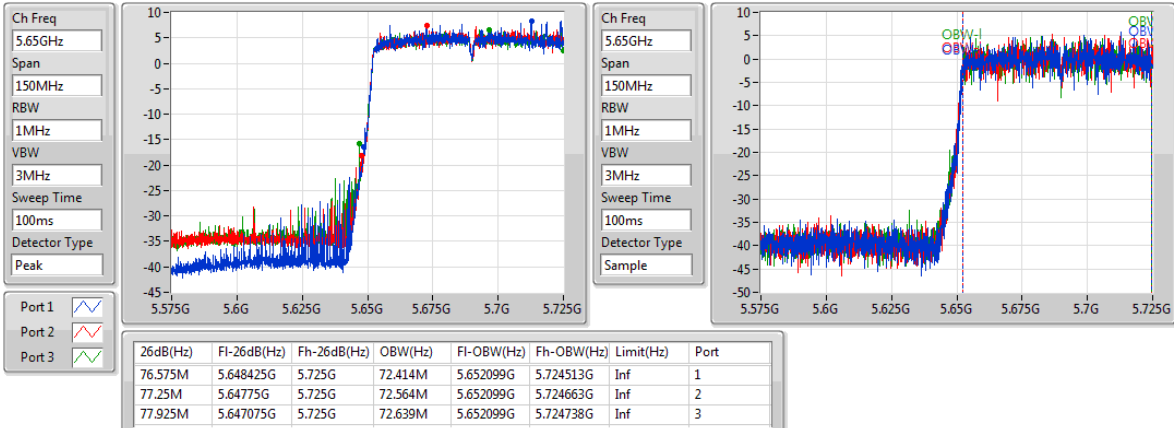
5610MHz



802.11ac VHT80-BF\_Nss1,(MCS0)\_3TX

EBW

5690MHz Straddle 5.47-5.725GHz



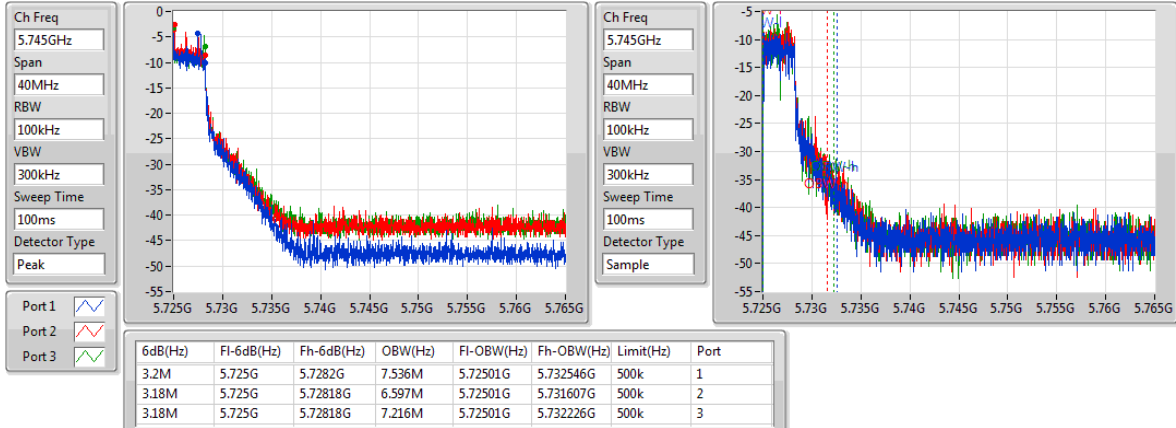




802.11ac VHT80-BF\_Nss1,(MCS0)\_3TX

EBW

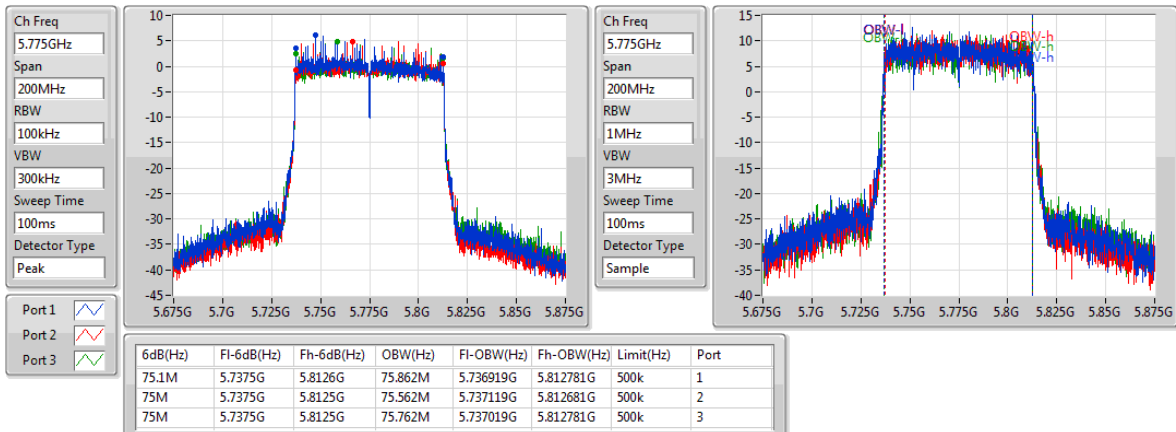
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80-BF\_Nss1,(MCS0)\_3TX

EBW

5775MHz





**For Set 3 antennas / 1TX:  
Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11a_(6Mbps)_1TX            | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 42.2M            | 23.813M         | 23M8D1D  | 19.325M          | 16.392M         |
| 5.25-5.35GHz                   | 19.725M          | 16.417M         | 16M4D1D  | 19.65M           | 16.392M         |
| 5.47-5.725GHz                  | 19.9M            | 16.417M         | 16M4D1D  | 14.82M           | 13.193M         |
| 5.725-5.85GHz                  | 16.3M            | 16.442M         | 16M4D1D  | 3.14M            | 3.438M          |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 42.925M          | 22.364M         | 22M4D1D  | 20.85M           | 17.616M         |
| 5.25-5.35GHz                   | 20.775M          | 17.616M         | 17M6D1D  | 20.5M            | 17.591M         |
| 5.47-5.725GHz                  | 21.1M            | 17.641M         | 17M6D1D  | 15.255M          | 13.808M         |
| 5.725-5.85GHz                  | 17.525M          | 17.666M         | 17M7D1D  | 3.76M            | 3.978M          |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 40.15M           | 36.032M         | 36M0D1D  | 39.75M           | 35.982M         |
| 5.25-5.35GHz                   | 40.05M           | 35.982M         | 36M0D1D  | 39.65M           | 35.932M         |
| 5.47-5.725GHz                  | 40.05M           | 35.932M         | 35M9D1D  | 35.035M          | 32.849M         |
| 5.725-5.85GHz                  | 36.25M           | 64.868M         | 64M9D1D  | 3.14M            | 3.658M          |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 85.7M            | 75.662M         | 75M7D1D  | 85.7M            | 75.662M         |
| 5.25-5.35GHz                   | 85.9M            | 75.762M         | 75M8D1D  | 85.9M            | 75.762M         |
| 5.47-5.725GHz                  | 85.4M            | 75.762M         | 75M8D1D  | 77.7M            | 72.564M         |
| 5.725-5.85GHz                  | 75.4M            | 76.062M         | 76M1D1D  | 3.12M            | 5.877M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Min-OBW** = Minimum 99% occupied bandwidth;



Result

| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|
| 802.11a_(6Mbps)_1TX            | -      | -          | -                | -               |
| 5180MHz                        | Pass   | Inf        | 21.875M          | 16.492M         |
| 5200MHz                        | Pass   | Inf        | 42.2M            | 23.813M         |
| 5240MHz                        | Pass   | Inf        | 19.325M          | 16.392M         |
| 5260MHz                        | Pass   | Inf        | 19.65M           | 16.417M         |
| 5300MHz                        | Pass   | Inf        | 19.725M          | 16.392M         |
| 5320MHz                        | Pass   | Inf        | 19.725M          | 16.392M         |
| 5500MHz                        | Pass   | Inf        | 19.475M          | 16.417M         |
| 5580MHz                        | Pass   | Inf        | 19.9M            | 16.417M         |
| 5700MHz                        | Pass   | Inf        | 19.475M          | 16.392M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 14.82M           | 13.193M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.14M            | 3.438M          |
| 5745MHz                        | Pass   | 500k       | 16.3M            | 16.417M         |
| 5785MHz                        | Pass   | 500k       | 16.3M            | 16.417M         |
| 5825MHz                        | Pass   | 500k       | 16.3M            | 16.442M         |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | -      | -          | -                | -               |
| 5180MHz                        | Pass   | Inf        | 21.975M          | 17.666M         |
| 5200MHz                        | Pass   | Inf        | 42.925M          | 22.364M         |
| 5240MHz                        | Pass   | Inf        | 20.85M           | 17.616M         |
| 5260MHz                        | Pass   | Inf        | 20.5M            | 17.616M         |
| 5300MHz                        | Pass   | Inf        | 20.775M          | 17.616M         |
| 5320MHz                        | Pass   | Inf        | 20.6M            | 17.591M         |
| 5500MHz                        | Pass   | Inf        | 20.6M            | 17.616M         |
| 5580MHz                        | Pass   | Inf        | 21.1M            | 17.641M         |
| 5700MHz                        | Pass   | Inf        | 20.95M           | 17.641M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 15.255M          | 13.808M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.76M            | 3.978M          |
| 5745MHz                        | Pass   | 500k       | 17.15M           | 17.641M         |
| 5785MHz                        | Pass   | 500k       | 17.3M            | 17.666M         |
| 5825MHz                        | Pass   | 500k       | 17.525M          | 17.641M         |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | -      | -          | -                | -               |
| 5190MHz                        | Pass   | Inf        | 39.75M           | 35.982M         |
| 5230MHz                        | Pass   | Inf        | 40.15M           | 36.032M         |
| 5270MHz                        | Pass   | Inf        | 40.05M           | 35.932M         |
| 5310MHz                        | Pass   | Inf        | 39.65M           | 35.982M         |
| 5510MHz                        | Pass   | Inf        | 39.55M           | 35.932M         |
| 5550MHz                        | Pass   | Inf        | 40.05M           | 35.882M         |
| 5670MHz                        | Pass   | Inf        | 39.65M           | 35.932M         |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 35.035M          | 32.849M         |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.14M            | 3.658M          |
| 5755MHz                        | Pass   | 500k       | 36.25M           | 54.673M         |
| 5795MHz                        | Pass   | 500k       | 33.7M            | 64.868M         |



| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|
| 802.11ac VHT80_Nss1,(MCS0)_1TX | -      | -          | -                | -               |
| 5210MHz                        | Pass   | Inf        | 85.7M            | 75.662M         |
| 5290MHz                        | Pass   | Inf        | 85.9M            | 75.762M         |
| 5530MHz                        | Pass   | Inf        | 85.4M            | 75.762M         |
| 5610MHz                        | Pass   | Inf        | 85.3M            | 75.662M         |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 77.7M            | 72.564M         |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.12M            | 5.877M          |
| 5775MHz                        | Pass   | 500k       | 75.4M            | 76.062M         |

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth;

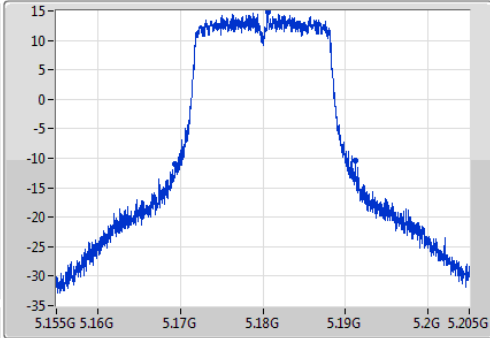


802.11a\_(6Mbps)\_1TX

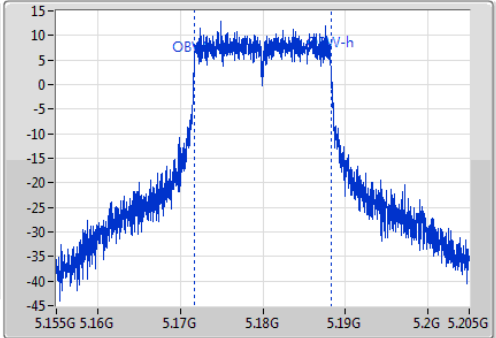
EBW

5180MHz

Ch Freq: 5.18GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.18GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



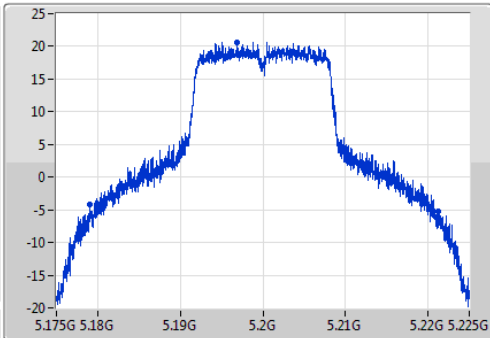
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 21.875M  | 5.16935G    | 5.191225G   | 16.492M | 5.171729G  | 5.188221G  | Inf       | 1    |

802.11a\_(6Mbps)\_1TX

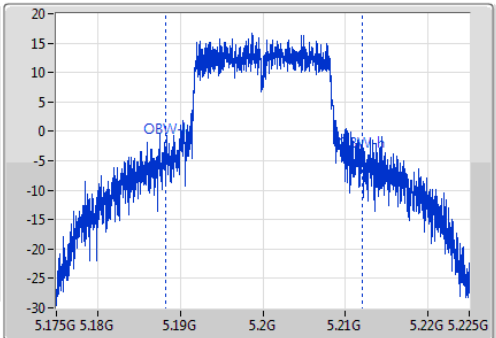
EBW

5200MHz

Ch Freq: 5.2GHz  
 Span: 50MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.2GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



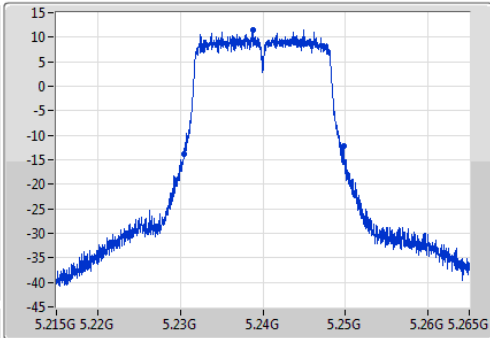
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 42.2M    | 5.179G      | 5.2212G     | 23.813M | 5.188206G  | 5.212019G  | Inf       | 1    |

802.11a\_(6Mbps)\_1TX

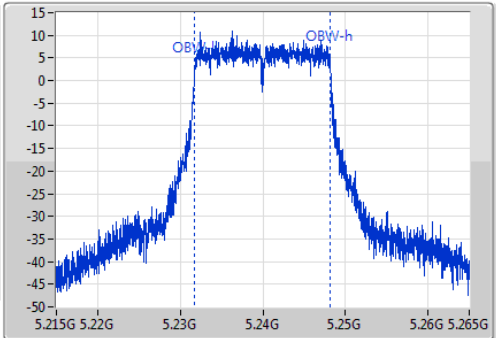
EBW

5240MHz

Ch Freq: 5.24GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.24GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.325M  | 5.230425G   | 5.24975G    | 16.392M | 5.231779G  | 5.248171G  | Inf       | 1    |



### 802.11a\_(6Mbps)\_1TX

EBW

#### 5260MHz

Ch Freq  
5.26GHz

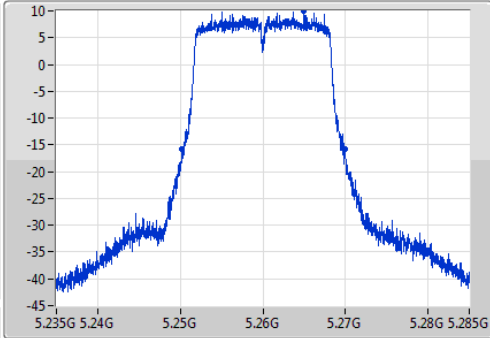
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Peak



Ch Freq  
5.26GHz

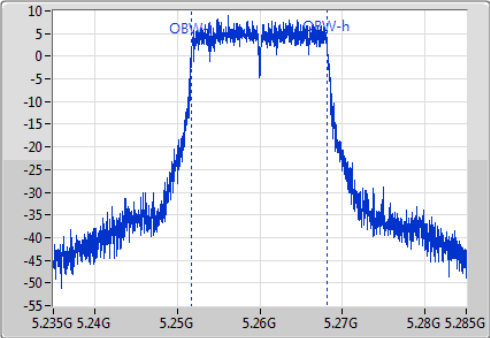
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.65M   | 5.25025G    | 5.2699G     | 16.417M | 5.251779G  | 5.268196G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

EBW

#### 5300MHz

Ch Freq  
5.3GHz

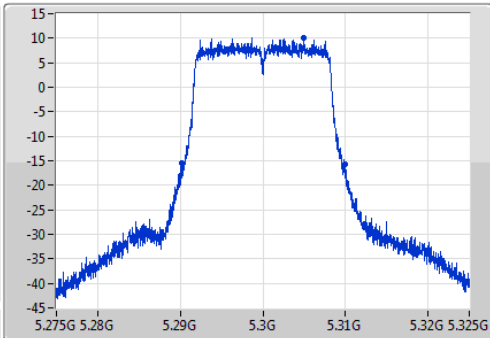
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Peak



Ch Freq  
5.3GHz

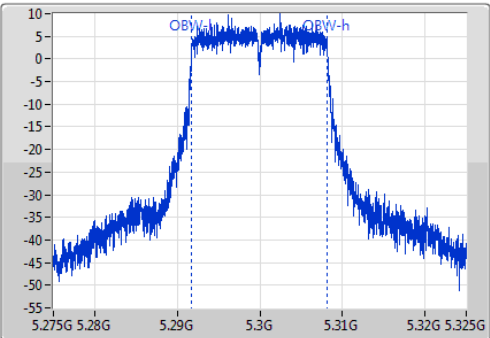
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.725M  | 5.290175G   | 5.3099G     | 16.392M | 5.291779G  | 5.308171G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

EBW

#### 5320MHz

Ch Freq  
5.32GHz

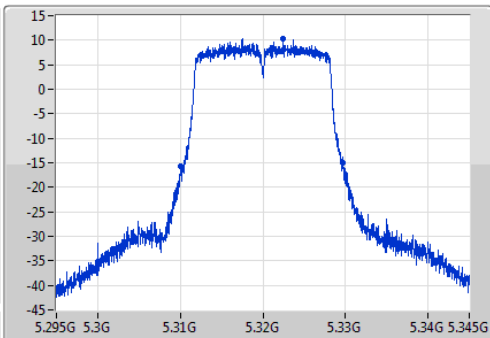
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Peak



Ch Freq  
5.32GHz

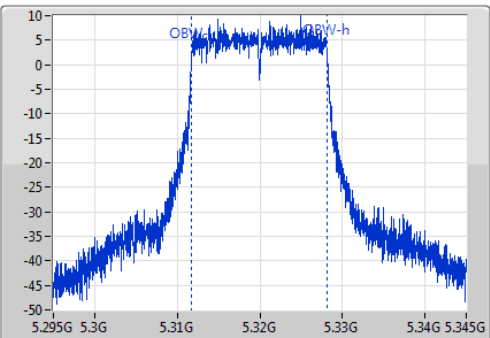
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.725M  | 5.31G       | 5.329725G   | 16.392M | 5.311779G  | 5.328171G  | Inf       | 1    |

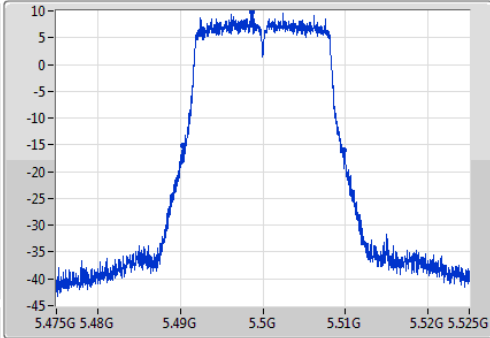


### 802.11a\_(6Mbps)\_1TX

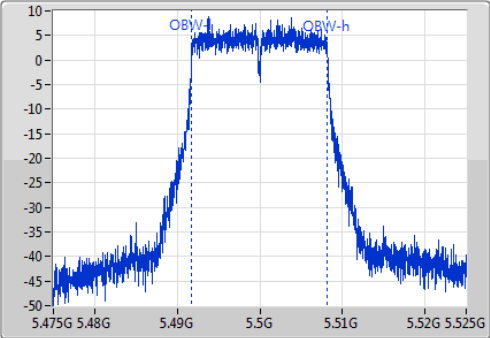
EBW

#### 5500MHz

Ch Freq: 5.5GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.5GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



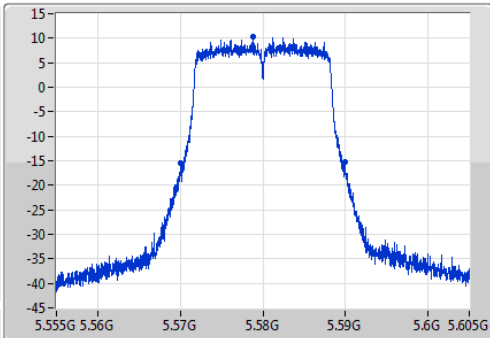
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.475M  | 5.490275G   | 5.50975G    | 16.417M | 5.491779G  | 5.508196G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

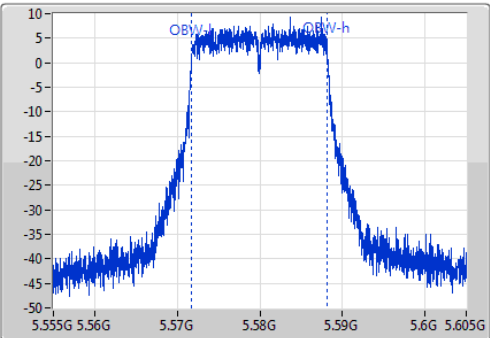
EBW

#### 5580MHz

Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



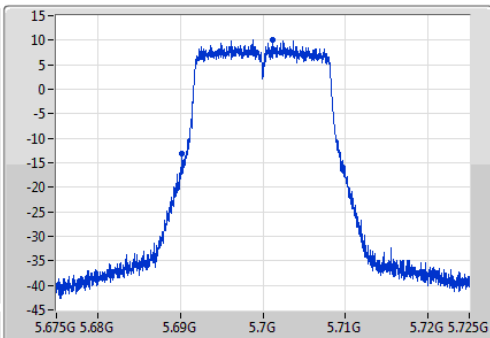
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.9M    | 5.57G       | 5.5899G     | 16.417M | 5.571779G  | 5.588196G  | Inf       | 1    |

### 802.11a\_(6Mbps)\_1TX

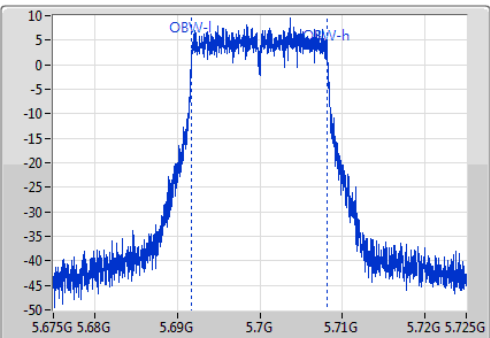
EBW

#### 5700MHz

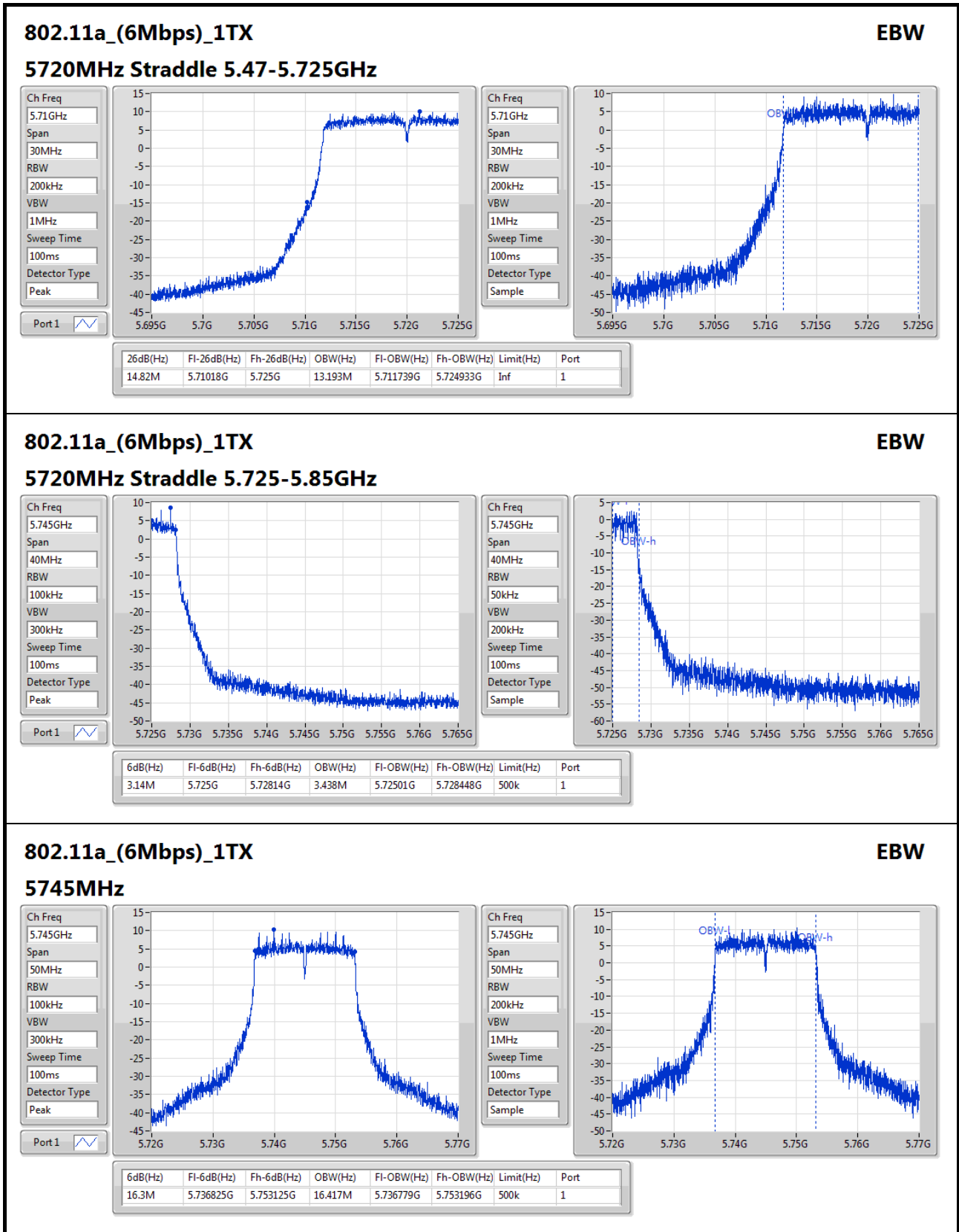
Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



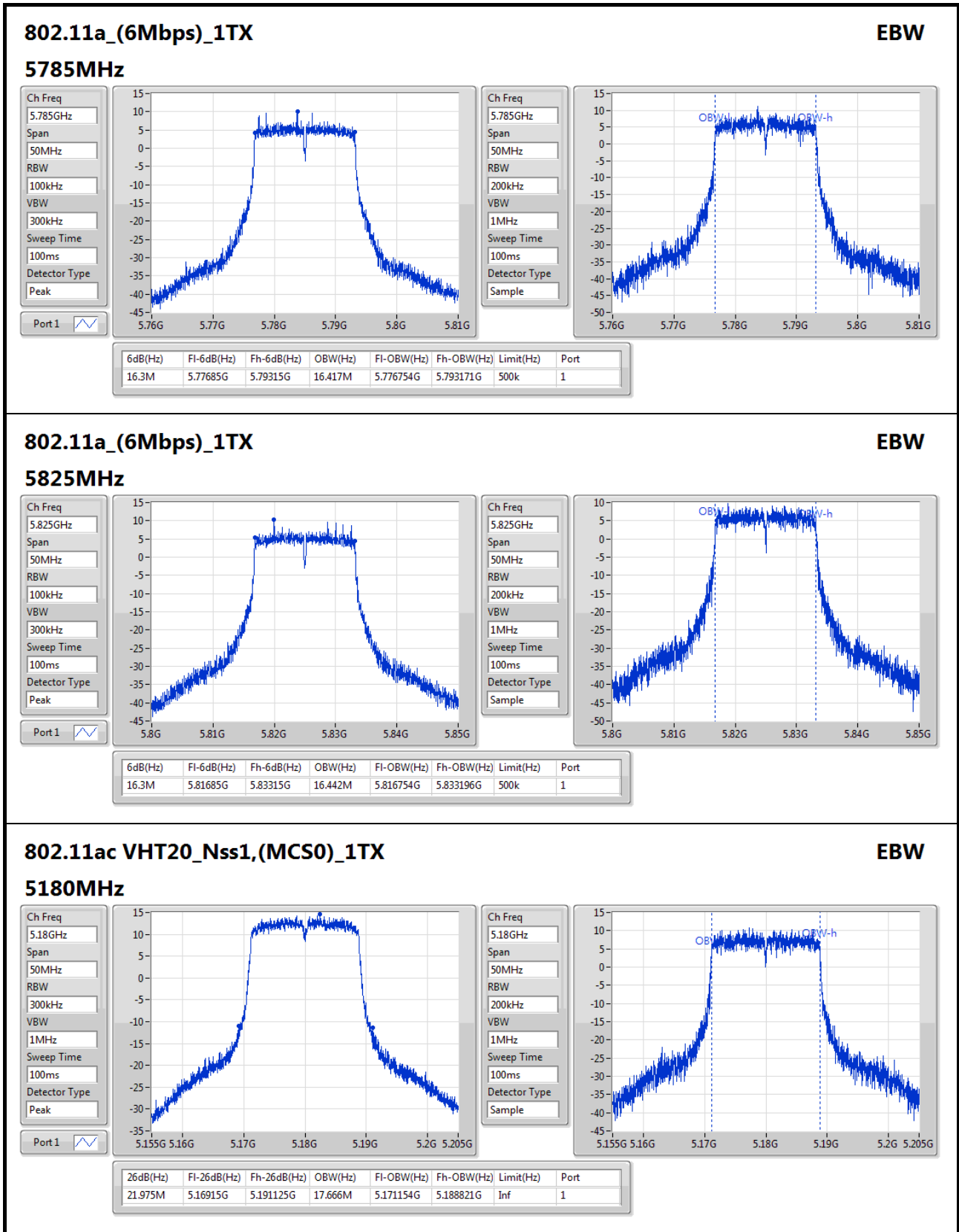
Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.475M  | 5.69025G    | 5.709725G   | 16.392M | 5.691779G  | 5.708171G  | Inf       | 1    |







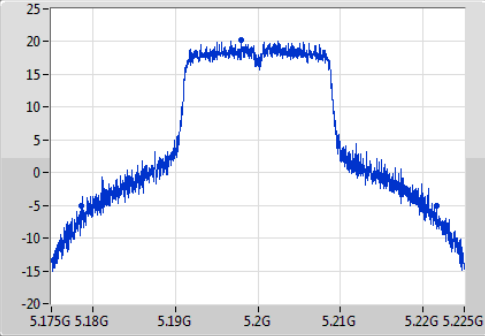


802.11ac VHT20\_Nss1,(MCS0)\_1TX

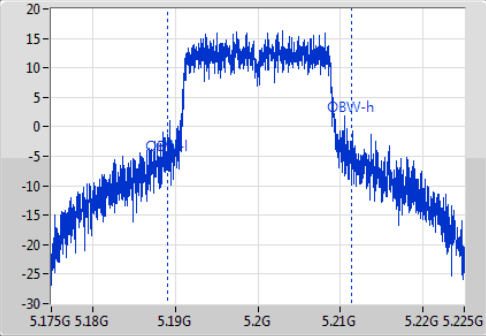
EBW

5200MHz

Ch Freq  
5.2GHz  
Span  
50MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.2GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



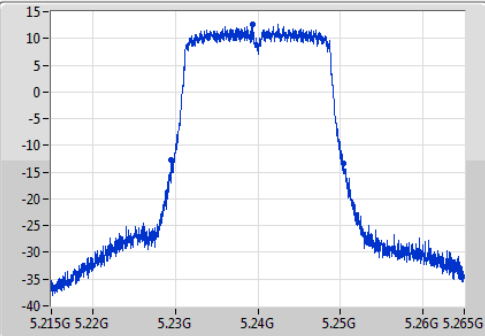
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 42.925M  | 5.178675G   | 5.2216G     | 22.364M | 5.189055G  | 5.211419G  | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

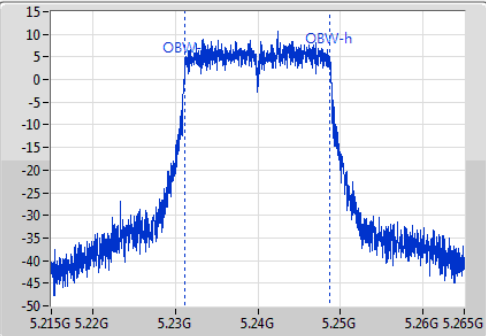
EBW

5240MHz

Ch Freq  
5.24GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.24GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



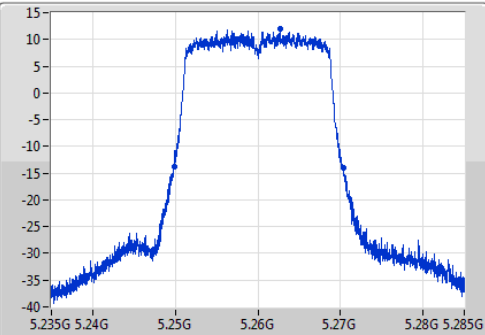
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.85M   | 5.22955G    | 5.2504G     | 17.616M | 5.231154G  | 5.248771G  | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

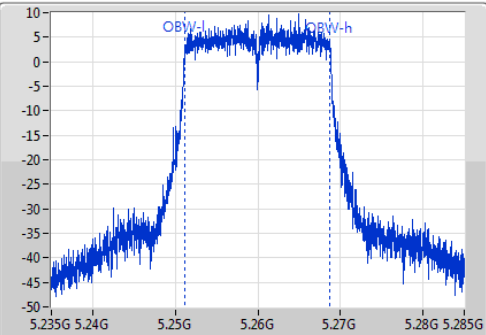
EBW

5260MHz

Ch Freq  
5.26GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Ch Freq  
5.26GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.5M    | 5.24985G    | 5.27035G    | 17.616M | 5.251154G  | 5.268771G  | Inf       | 1    |

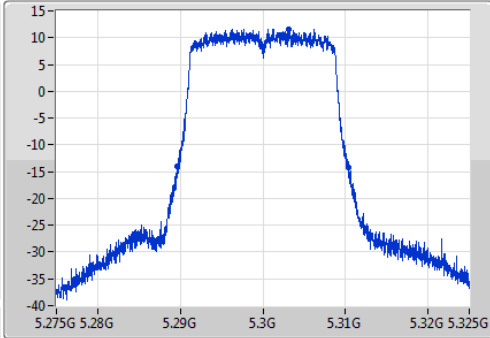


802.11ac VHT20\_Nss1,(MCS0)\_1TX

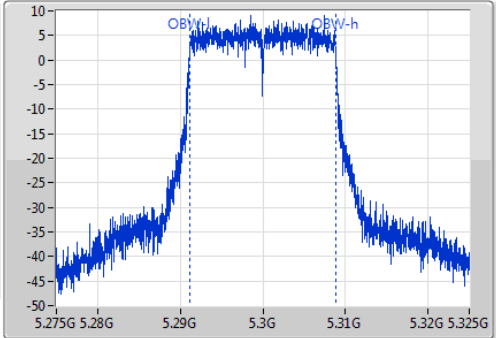
EBW

5300MHz

Ch Freq: 5.3GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.3GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



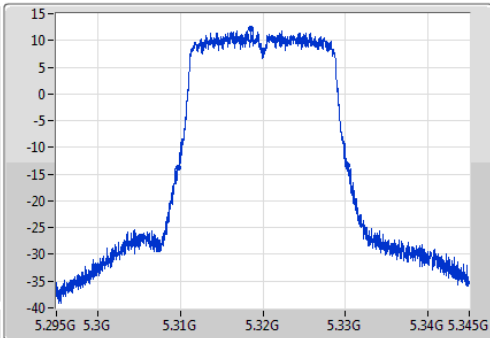
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.775M  | 5.2896G     | 5.310375G   | 17.616M | 5.291179G  | 5.308796G  | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

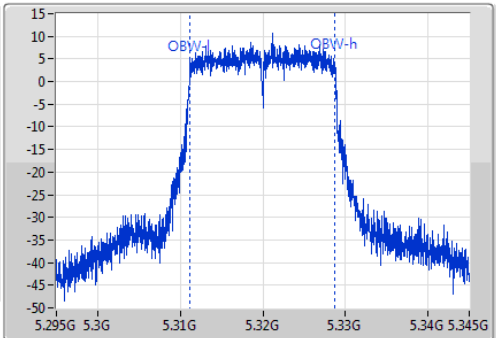
EBW

5320MHz

Ch Freq: 5.32GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.32GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



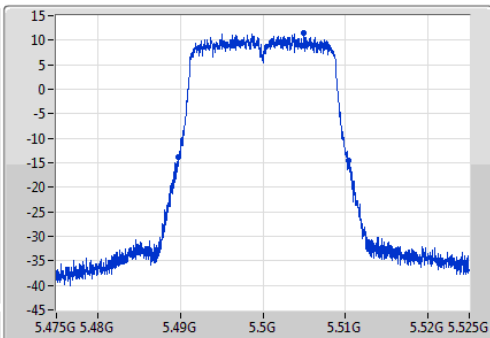
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.6M    | 5.3097G     | 5.3303G     | 17.591M | 5.311179G  | 5.328771G  | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

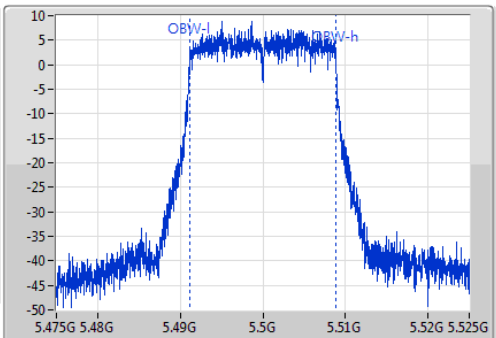
EBW

5500MHz

Ch Freq: 5.5GHz  
 Span: 50MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.5GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.6M    | 5.489825G   | 5.510425G   | 17.616M | 5.491179G  | 5.508796G  | Inf       | 1    |

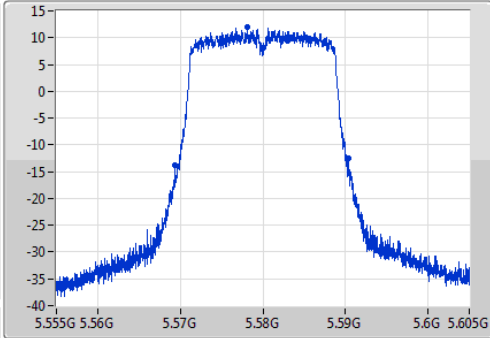


802.11ac VHT20\_Nss1,(MCS0)\_1TX

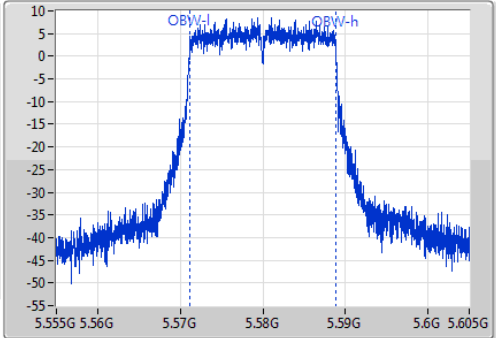
EBW

5580MHz

Ch Freq  
5.58GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



Ch Freq  
5.58GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



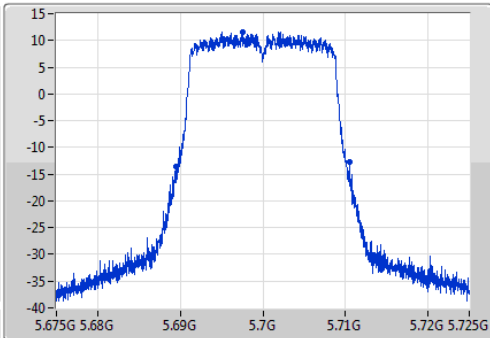
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 21.1M    | 5.569325G   | 5.590425G   | 17.641M | 5.571154G  | 5.588796G  | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

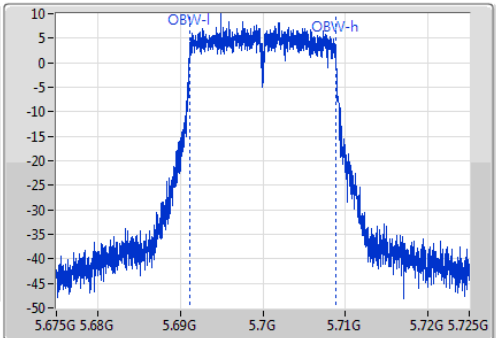
EBW

5700MHz

Ch Freq  
5.7GHz  
Span  
50MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



Ch Freq  
5.7GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



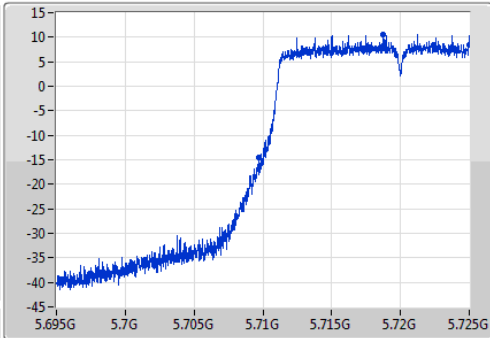
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 20.95M   | 5.68955G    | 5.7105G     | 17.641M | 5.691154G  | 5.708796G  | Inf       | 1    |

802.11ac VHT20\_Nss1,(MCS0)\_1TX

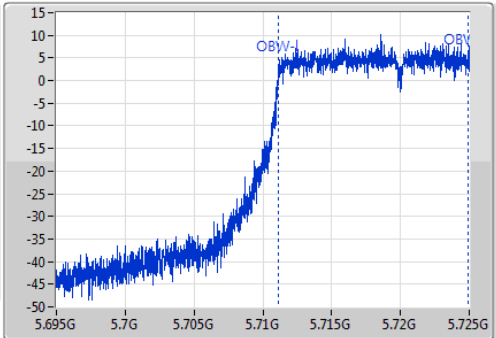
EBW

5720MHz Straddle 5.47-5.725GHz

Ch Freq  
5.71GHz  
Span  
30MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1



Ch Freq  
5.71GHz  
Span  
30MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



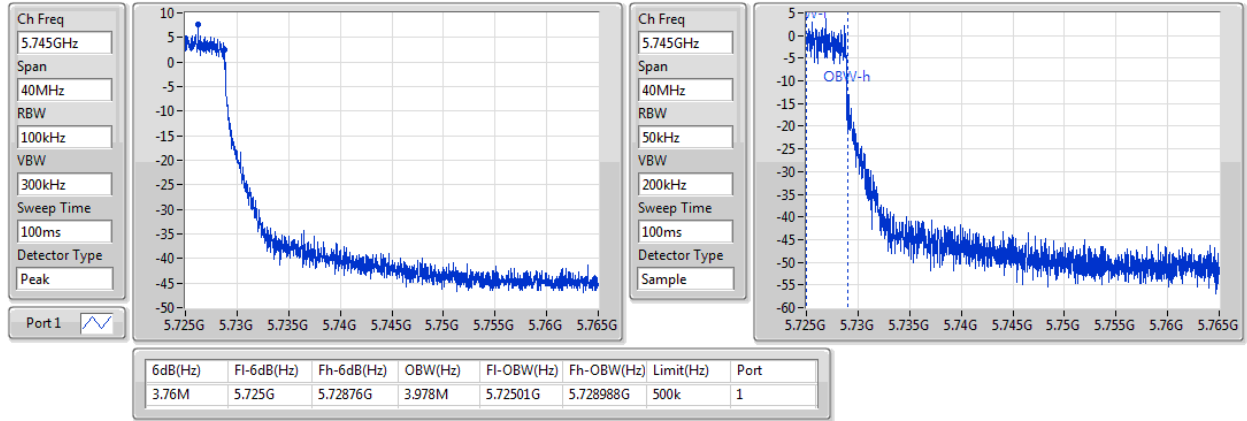
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 15.255M  | 5.709745G   | 5.725G      | 13.808M | 5.711124G  | 5.724933G  | Inf       | 1    |



802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

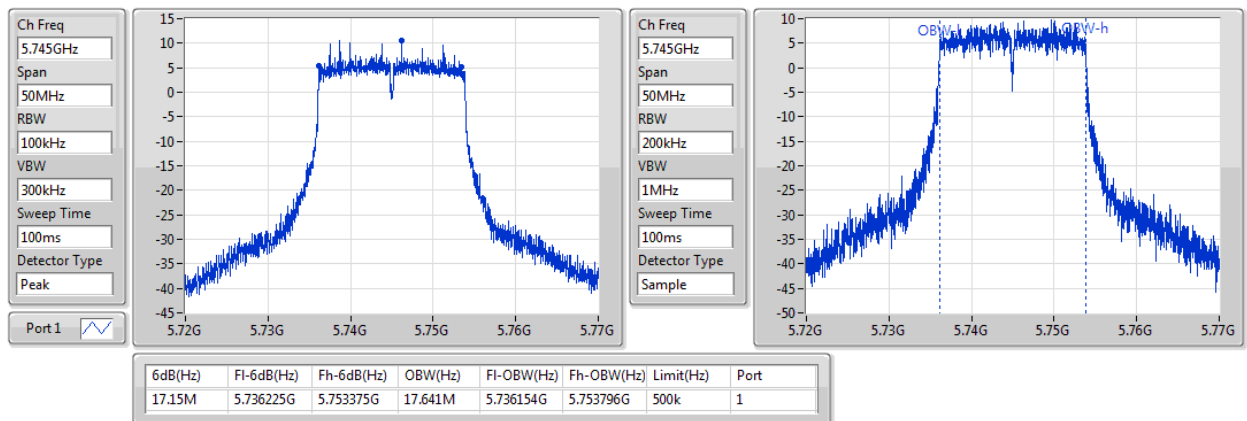
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

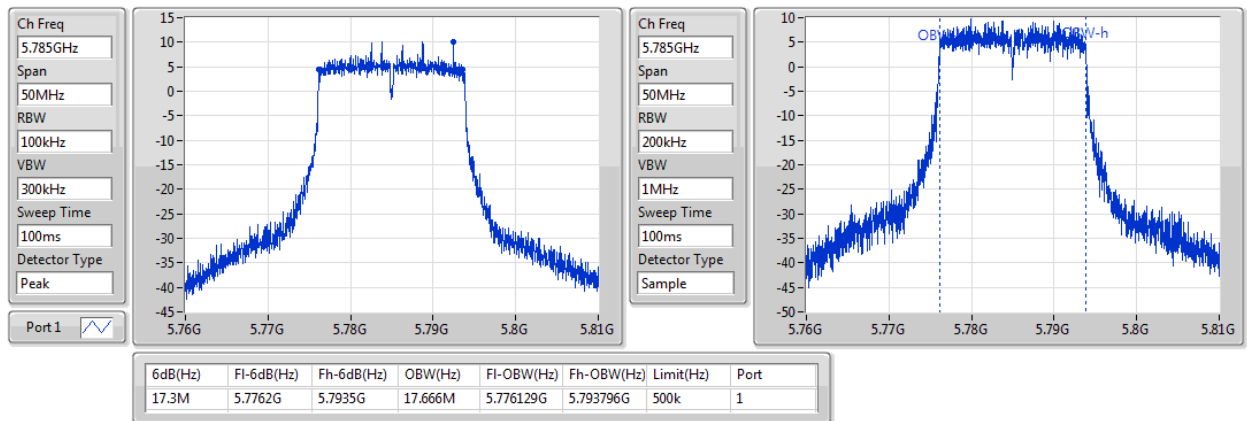
5745MHz



802.11ac VHT20\_Nss1,(MCS0)\_1TX

EBW

5785MHz



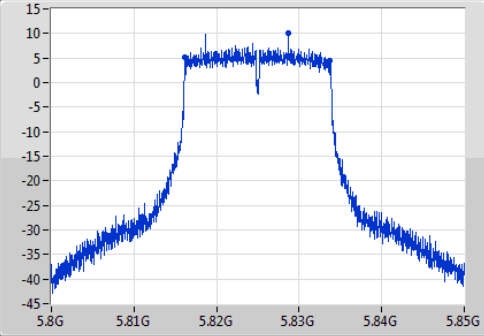


802.11ac VHT20\_Nss1,(MCS0)\_1TX

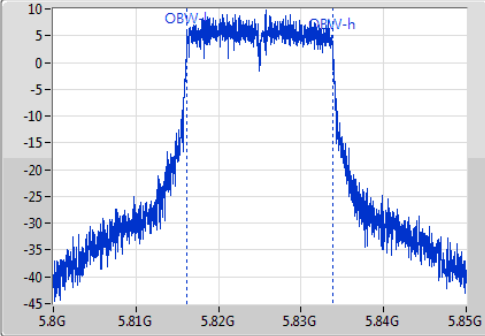
EBW

5825MHz

Ch Freq: 5.825GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



Ch Freq: 5.825GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



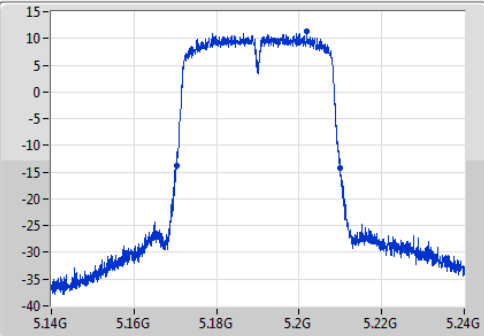
| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 17.525M | 5.816225G  | 5.83375G   | 17.641M | 5.816154G  | 5.833796G  | 500k      | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

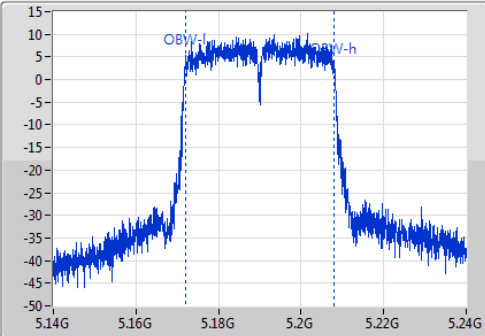
EBW

5190MHz

Ch Freq: 5.19GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



Ch Freq: 5.19GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



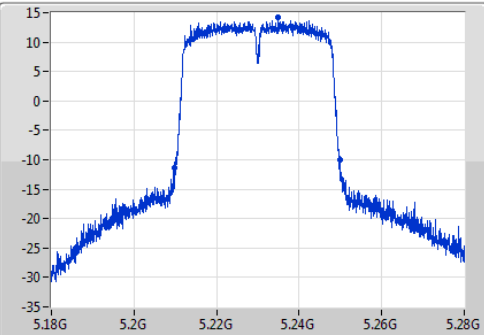
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.75M   | 5.17025G    | 5.21G       | 35.982M | 5.172009G  | 5.207991G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

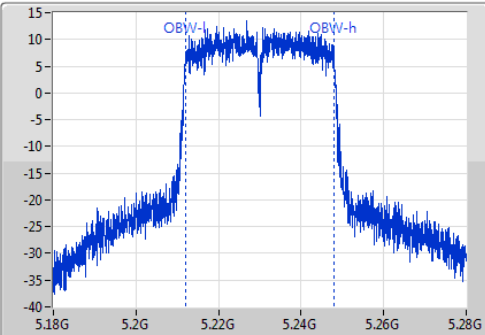
EBW

5230MHz

Ch Freq: 5.23GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1



Ch Freq: 5.23GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 40.15M   | 5.20985G    | 5.25G       | 36.032M | 5.211959G  | 5.247991G  | Inf       | 1    |



802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5270MHz

Ch Freq  
5.27GHz

Span  
100MHz

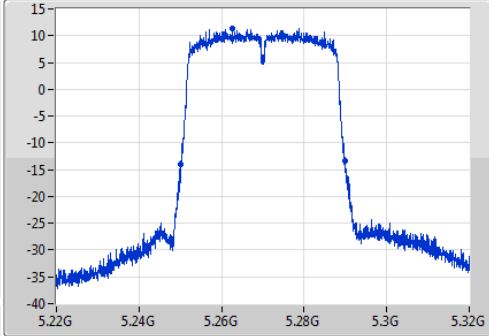
RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1



Ch Freq  
5.27GHz

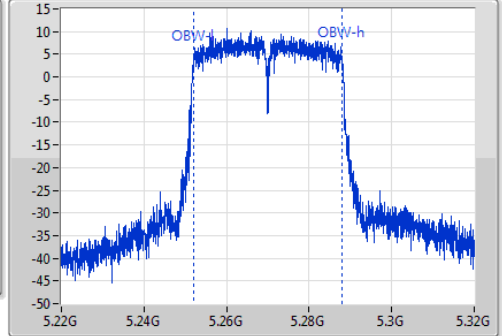
Span  
100MHz

RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 40.05M   | 5.25G       | 5.29005G    | 35.932M | 5.252009G  | 5.287941G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5310MHz

Ch Freq  
5.31GHz

Span  
100MHz

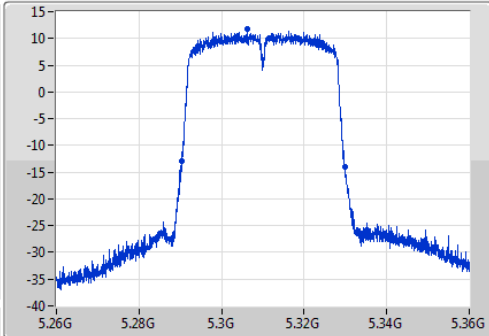
RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1



Ch Freq  
5.31GHz

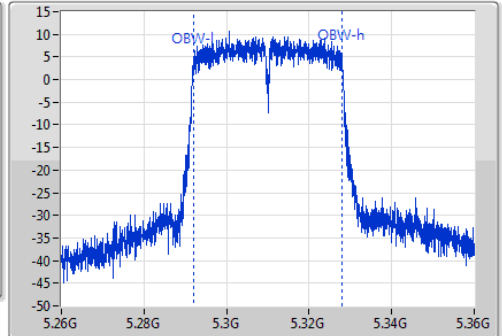
Span  
100MHz

RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.65M   | 5.29025G    | 5.3299G     | 35.982M | 5.292009G  | 5.327991G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5510MHz

Ch Freq  
5.51GHz

Span  
100MHz

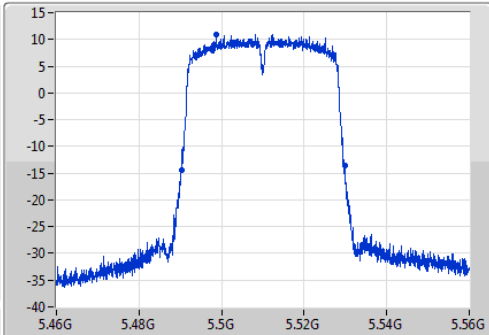
RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1



Ch Freq  
5.51GHz

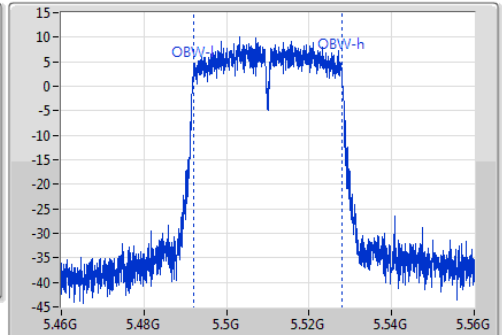
Span  
100MHz

RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.55M   | 5.49025G    | 5.5298G     | 35.932M | 5.492009G  | 5.527941G  | Inf       | 1    |



802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5550MHz

Ch Freq  
5.55GHz

Span  
100MHz

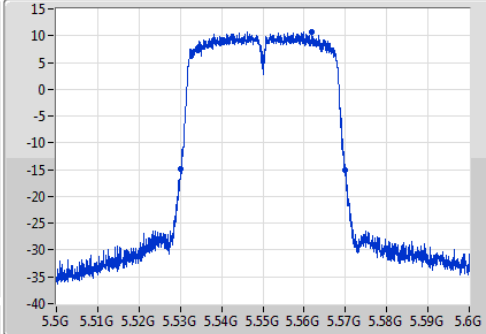
RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1



Ch Freq  
5.55GHz

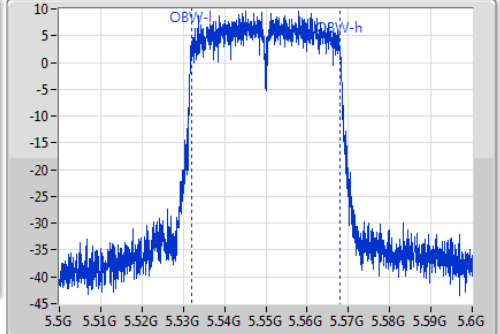
Span  
100MHz

RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 40.05M   | 5.53G       | 5.57005G    | 35.882M | 5.532009G  | 5.567891G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5670MHz

Ch Freq  
5.67GHz

Span  
100MHz

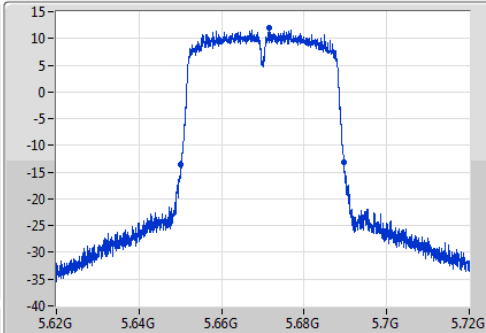
RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1



Ch Freq  
5.67GHz

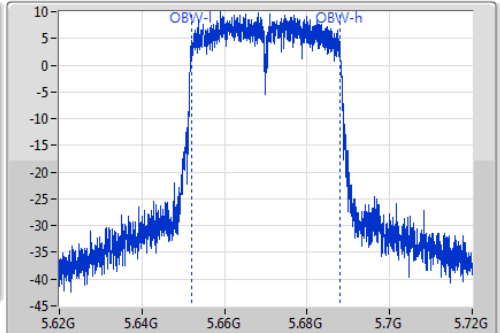
Span  
100MHz

RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.65M   | 5.65005G    | 5.6897G     | 35.932M | 5.651959G  | 5.687891G  | Inf       | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

Ch Freq  
5.69GHz

Span  
70MHz

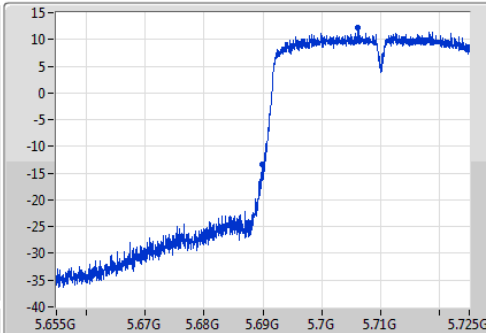
RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1



Ch Freq  
5.69GHz

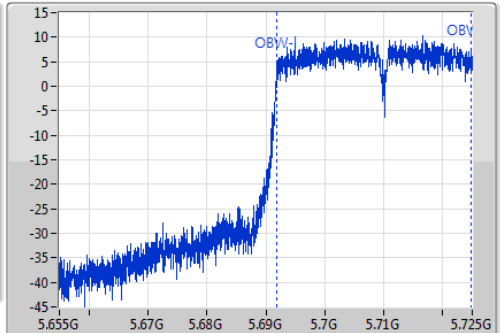
Span  
70MHz

RBW  
500kHz

VBW  
2MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 35.035M  | 5.689965G   | 5.725G      | 32.849M | 5.691924G  | 5.724773G  | Inf       | 1    |

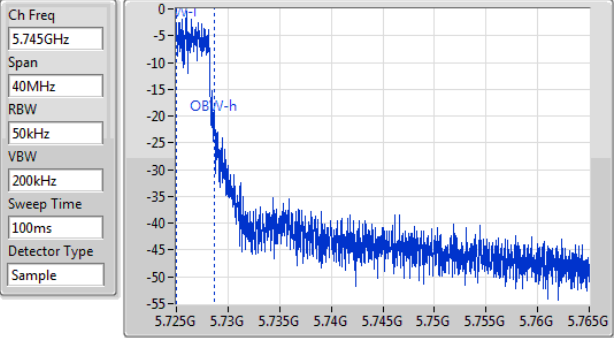
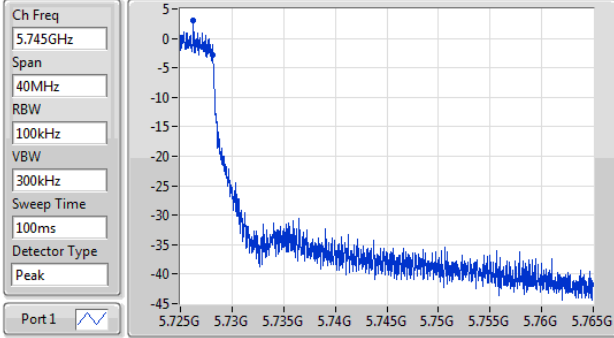




802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

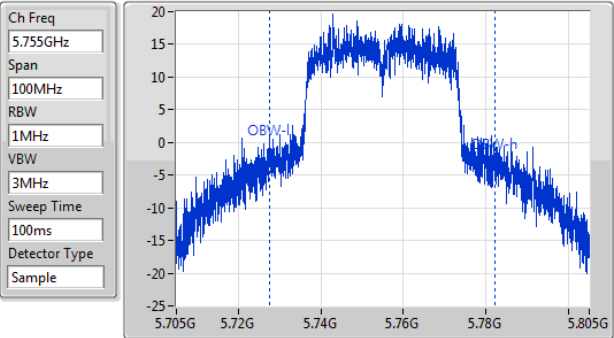
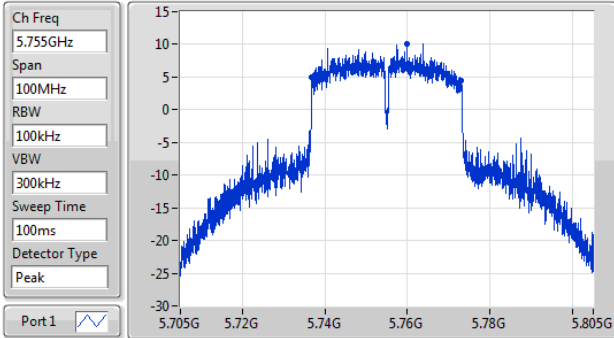


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 3.14M   | 5.725G     | 5.72814G   | 3.658M  | 5.72501G   | 5.728668G  | 500k      | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5755MHz

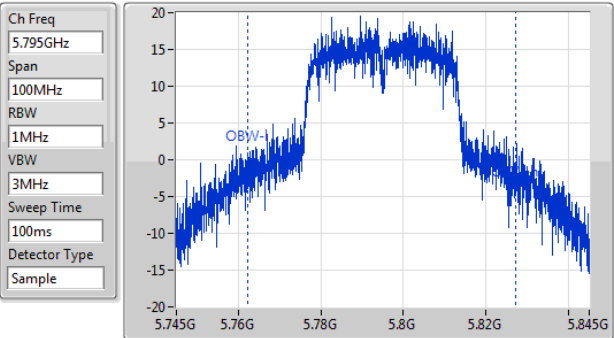
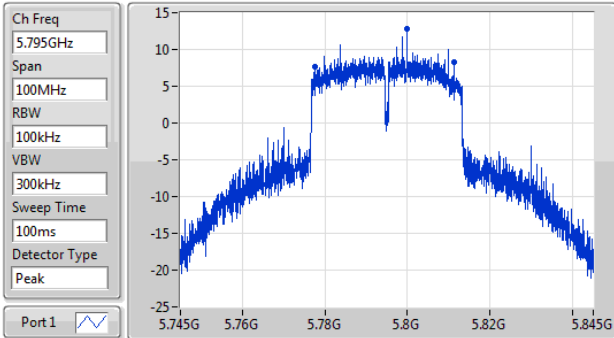


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 36.25M  | 5.73685G   | 5.7731G    | 54.673M | 5.727514G  | 5.782186G  | 500k      | 1    |

802.11ac VHT40\_Nss1,(MCS0)\_1TX

EBW

5795MHz



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 33.7M   | 5.7775G    | 5.8112G    | 64.868M | 5.762166G  | 5.827034G  | 500k      | 1    |



802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5210MHz

Ch Freq  
5.21GHz

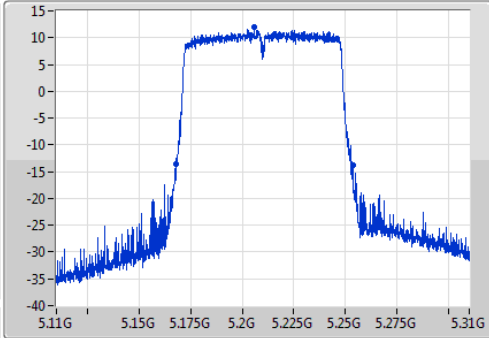
Span  
200MHz

RBW  
1MHz

VBW  
3MHz

Sweep Time  
100ms

Detector Type  
Peak



Ch Freq  
5.21GHz

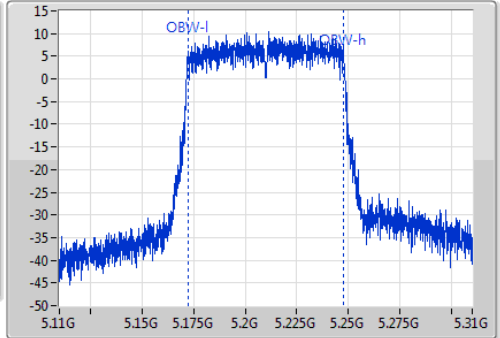
Span  
200MHz

RBW  
1MHz

VBW  
3MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 85.7M    | 5.1678G     | 5.2535G     | 75.662M | 5.172219G  | 5.247881G  | Inf       | 1    |

802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5290MHz

Ch Freq  
5.29GHz

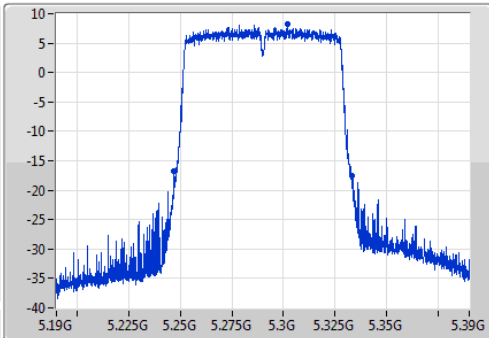
Span  
200MHz

RBW  
1MHz

VBW  
3MHz

Sweep Time  
100ms

Detector Type  
Peak



Ch Freq  
5.29GHz

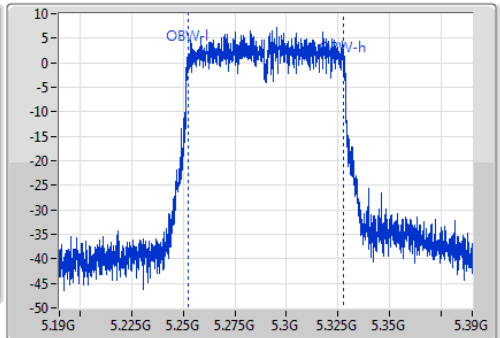
Span  
200MHz

RBW  
1MHz

VBW  
3MHz

Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 85.9M    | 5.2471G     | 5.333G      | 75.762M | 5.252119G  | 5.327881G  | Inf       | 1    |

802.11ac VHT80\_Nss1,(MCS0)\_1TX

EBW

5530MHz

Ch Freq  
5.53GHz

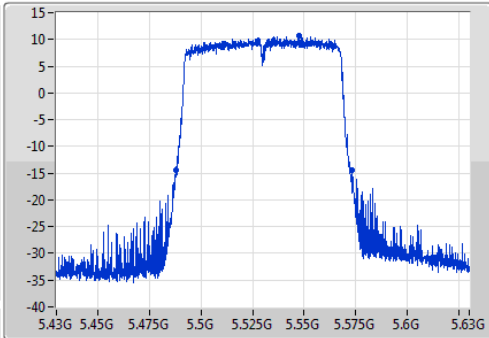
Span  
200MHz

RBW  
1MHz

VBW  
3MHz

Sweep Time  
100ms

Detector Type  
Peak



Ch Freq  
5.53GHz

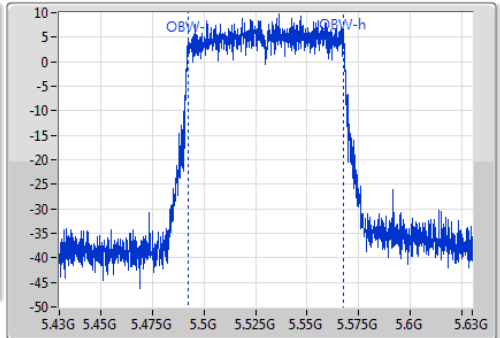
Span  
200MHz

RBW  
1MHz

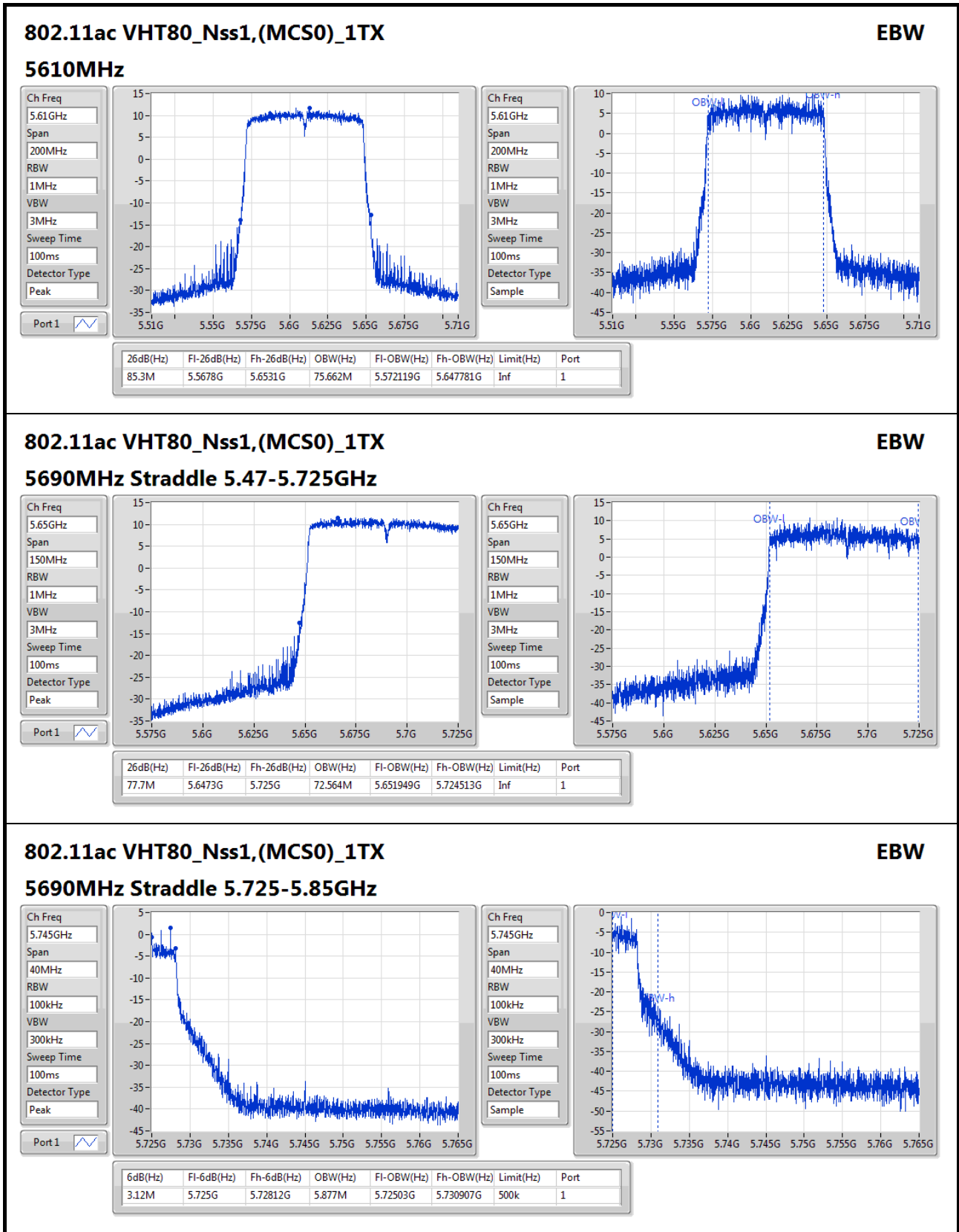
VBW  
3MHz

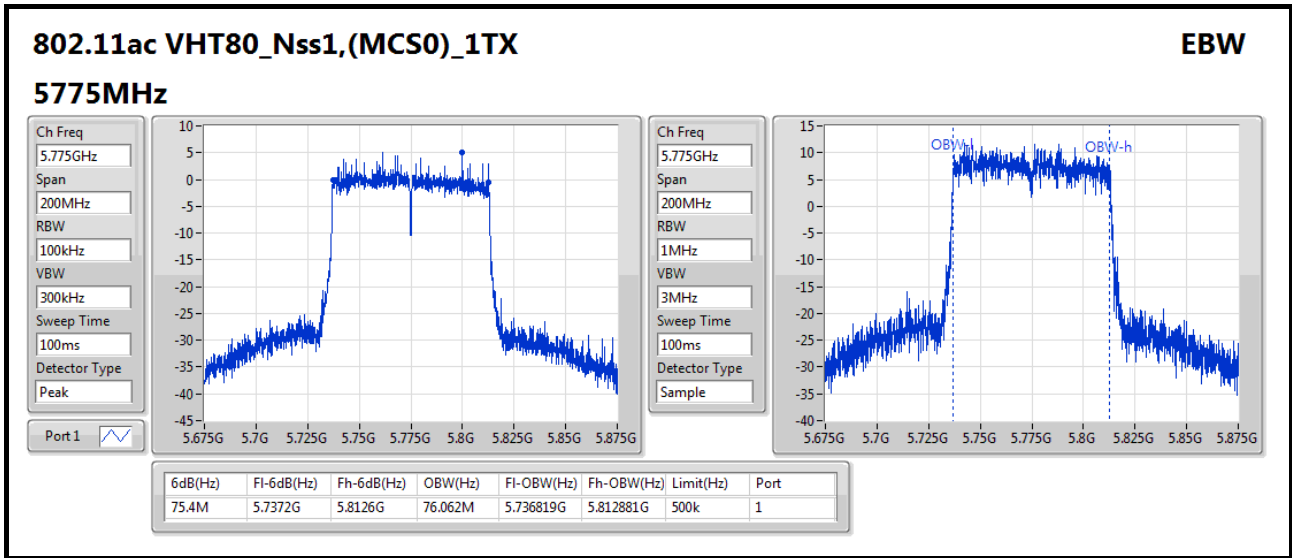
Sweep Time  
100ms

Detector Type  
Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 85.4M    | 5.488G      | 5.5734G     | 75.762M | 5.492119G  | 5.567881G  | Inf       | 1    |







**For Set 3 antennas / 2TX:**  
**<For Non-Beamforming Mode>**  
**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11a_(6Mbps)_2TX            | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 20.325M          | 16.467M         | 16M5D1D  | 19.7M            | 16.392M         |
| 5.25-5.35GHz                   | 19.475M          | 16.442M         | 16M4D1D  | 19.025M          | 16.342M         |
| 5.47-5.725GHz                  | 19.725M          | 16.442M         | 16M4D1D  | 14.505M          | 13.193M         |
| 5.725-5.85GHz                  | 16.325M          | 16.992M         | 17M0D1D  | 3.14M            | 3.438M          |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 21.425M          | 17.691M         | 17M7D1D  | 20.7M            | 17.616M         |
| 5.25-5.35GHz                   | 20.775M          | 17.666M         | 17M7D1D  | 19.8M            | 17.541M         |
| 5.47-5.725GHz                  | 20.975M          | 17.641M         | 17M6D1D  | 15.105M          | 13.808M         |
| 5.725-5.85GHz                  | 17.55M           | 17.916M         | 17M9D1D  | 3.74M            | 3.998M          |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 50.6M            | 36.132M         | 36M1D1D  | 39.65M           | 35.982M         |
| 5.25-5.35GHz                   | 39.9M            | 36.132M         | 36M1D1D  | 39.55M           | 35.882M         |
| 5.47-5.725GHz                  | 39.85M           | 35.982M         | 36M0D1D  | 34.965M          | 32.814M         |
| 5.725-5.85GHz                  | 35.6M            | 36.482M         | 36M5D1D  | 3.18M            | 3.478M          |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                   | 87.1M            | 75.762M         | 75M8D1D  | 84.5M            | 75.662M         |
| 5.25-5.35GHz                   | 85.1M            | 75.762M         | 75M8D1D  | 84.9M            | 75.662M         |
| 5.47-5.725GHz                  | 85.6M            | 75.862M         | 75M9D1D  | 77.325M          | 72.414M         |
| 5.725-5.85GHz                  | 74.9M            | 75.462M         | 75M5D1D  | 3.1M             | 5.737M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
**Min-OBW** = Minimum 99% occupied bandwidth;



Result

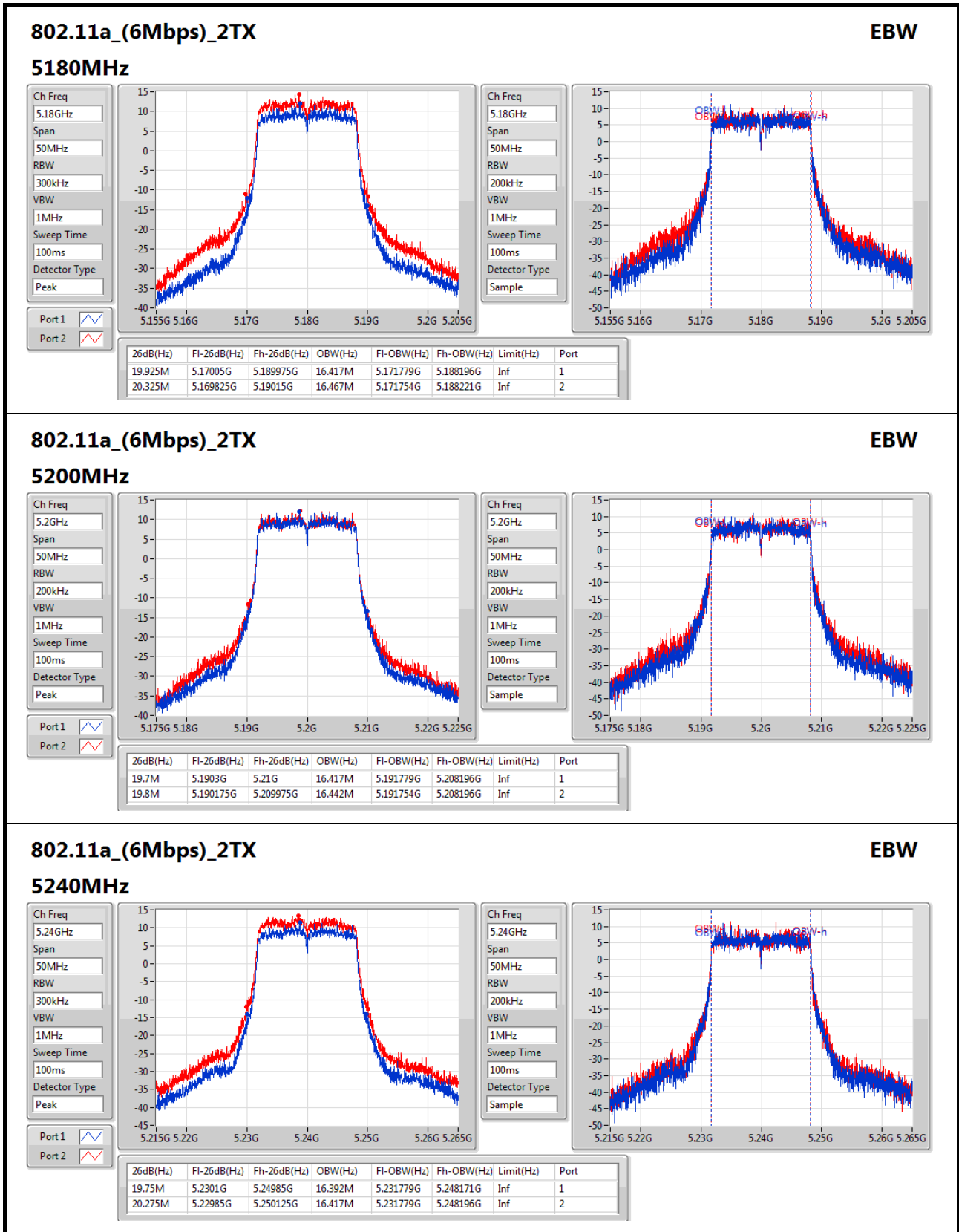
| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11a_(6Mbps)_2TX            | -      | -          | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 19.925M          | 16.417M         | 20.325M          | 16.467M         |
| 5200MHz                        | Pass   | Inf        | 19.7M            | 16.417M         | 19.8M            | 16.442M         |
| 5240MHz                        | Pass   | Inf        | 19.75M           | 16.392M         | 20.275M          | 16.417M         |
| 5260MHz                        | Pass   | Inf        | 19.3M            | 16.417M         | 19.475M          | 16.392M         |
| 5300MHz                        | Pass   | Inf        | 19.35M           | 16.442M         | 19.025M          | 16.342M         |
| 5320MHz                        | Pass   | Inf        | 19.375M          | 16.392M         | 19.225M          | 16.342M         |
| 5500MHz                        | Pass   | Inf        | 19.225M          | 16.417M         | 19.5M            | 16.442M         |
| 5580MHz                        | Pass   | Inf        | 19.35M           | 16.417M         | 19.725M          | 16.417M         |
| 5700MHz                        | Pass   | Inf        | 19.25M           | 16.392M         | 19.575M          | 16.417M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 14.505M          | 13.193M         | 14.715M          | 13.193M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.14M            | 3.438M          | 3.14M            | 3.458M          |
| 5745MHz                        | Pass   | 500k       | 16.325M          | 16.642M         | 16.3M            | 16.642M         |
| 5785MHz                        | Pass   | 500k       | 16.3M            | 16.667M         | 16.3M            | 16.717M         |
| 5825MHz                        | Pass   | 500k       | 16.3M            | 16.992M         | 16.325M          | 16.767M         |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 20.7M            | 17.641M         | 21.425M          | 17.641M         |
| 5200MHz                        | Pass   | Inf        | 21.225M          | 17.666M         | 21.325M          | 17.691M         |
| 5240MHz                        | Pass   | Inf        | 20.725M          | 17.641M         | 21.025M          | 17.616M         |
| 5260MHz                        | Pass   | Inf        | 20.35M           | 17.666M         | 20.475M          | 17.566M         |
| 5300MHz                        | Pass   | Inf        | 20.525M          | 17.641M         | 19.8M            | 17.541M         |
| 5320MHz                        | Pass   | Inf        | 20.775M          | 17.641M         | 20.15M           | 17.566M         |
| 5500MHz                        | Pass   | Inf        | 20.425M          | 17.591M         | 20.975M          | 17.641M         |
| 5580MHz                        | Pass   | Inf        | 20.25M           | 17.566M         | 20.675M          | 17.616M         |
| 5700MHz                        | Pass   | Inf        | 20.65M           | 17.616M         | 20.725M          | 17.616M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 15.105M          | 13.808M         | 15.27M           | 13.823M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.78M            | 4.038M          | 3.74M            | 3.998M          |
| 5745MHz                        | Pass   | 500k       | 17.525M          | 17.766M         | 17.55M           | 17.766M         |
| 5785MHz                        | Pass   | 500k       | 17.55M           | 17.816M         | 17.55M           | 17.841M         |
| 5825MHz                        | Pass   | 500k       | 17.3M            | 17.916M         | 16.9M            | 17.816M         |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5190MHz                        | Pass   | Inf        | 39.65M           | 35.982M         | 39.85M           | 35.982M         |
| 5230MHz                        | Pass   | Inf        | 44.5M            | 36.082M         | 50.6M            | 36.132M         |
| 5270MHz                        | Pass   | Inf        | 39.9M            | 35.882M         | 39.55M           | 36.032M         |
| 5310MHz                        | Pass   | Inf        | 39.75M           | 35.882M         | 39.7M            | 36.132M         |
| 5510MHz                        | Pass   | Inf        | 39.5M            | 35.932M         | 39.65M           | 35.982M         |
| 5550MHz                        | Pass   | Inf        | 39.6M            | 35.982M         | 39.75M           | 35.932M         |
| 5670MHz                        | Pass   | Inf        | 39.85M           | 35.982M         | 39.5M            | 35.882M         |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 34.965M          | 32.814M         | 35.035M          | 32.814M         |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.18M            | 3.478M          | 3.22M            | 3.478M          |
| 5755MHz                        | Pass   | 500k       | 35.6M            | 36.432M         | 34.65M           | 36.232M         |
| 5795MHz                        | Pass   | 500k       | 33.15M           | 36.482M         | 35.25M           | 36.432M         |



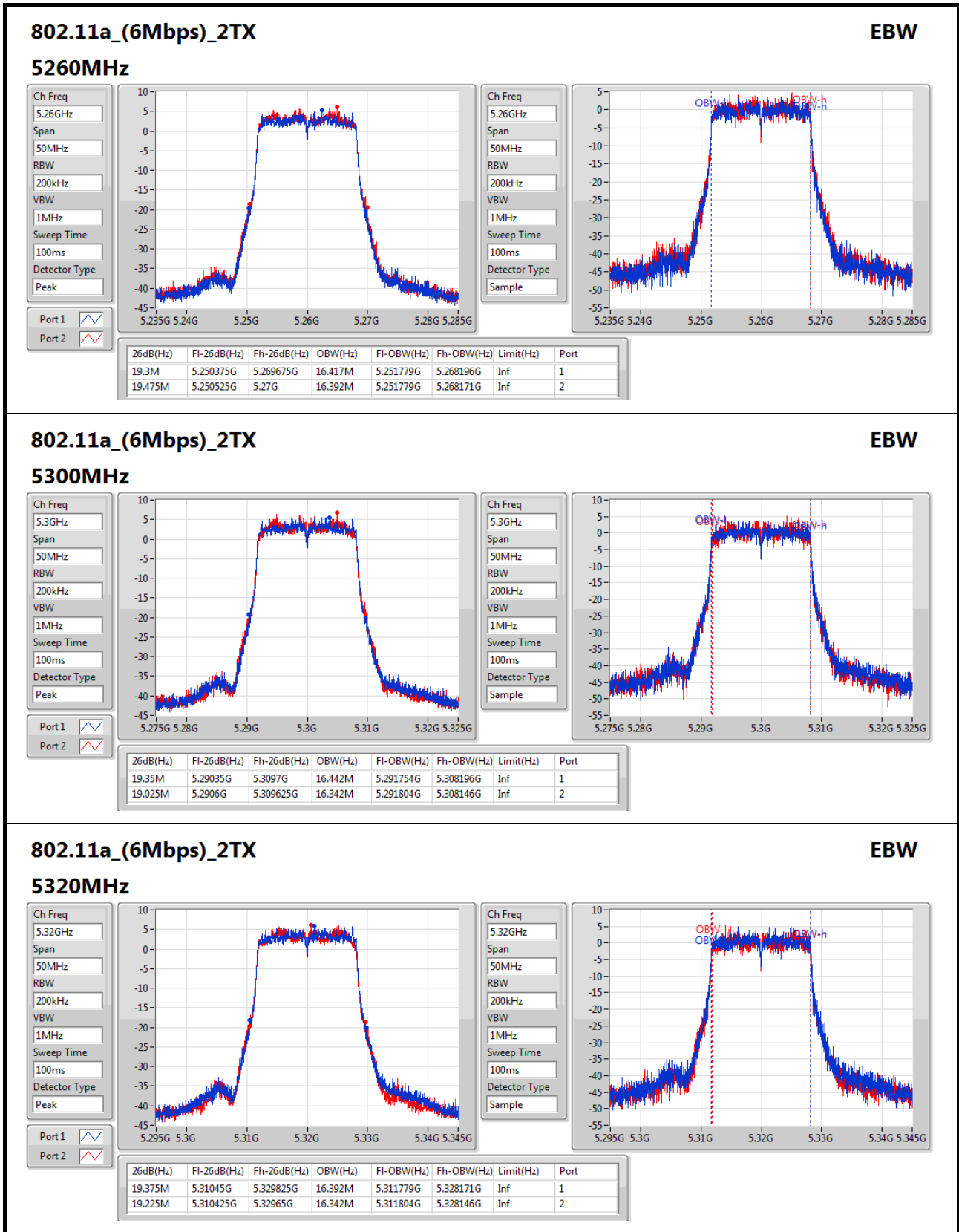
| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11ac VHT80_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5210MHz                        | Pass   | Inf        | 84.5M            | 75.662M         | 87.1M            | 75.762M         |
| 5290MHz                        | Pass   | Inf        | 84.9M            | 75.762M         | 85.1M            | 75.662M         |
| 5530MHz                        | Pass   | Inf        | 85.6M            | 75.662M         | 84.6M            | 75.862M         |
| 5610MHz                        | Pass   | Inf        | 84.8M            | 75.762M         | 84.8M            | 75.762M         |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 77.7M            | 72.414M         | 77.325M          | 72.489M         |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.1M             | 5.777M          | 3.12M            | 5.737M          |
| 5775MHz                        | Pass   | 500k       | 74.9M            | 75.462M         | 74.4M            | 75.462M         |

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth;









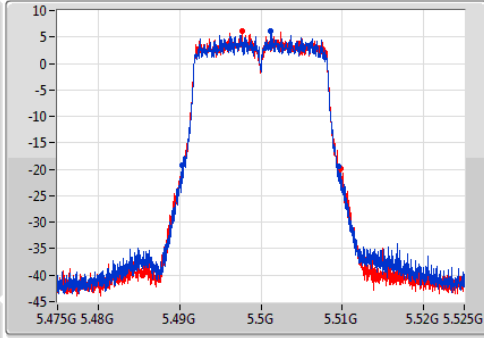
### 802.11a\_(6Mbps)\_2TX

EBW

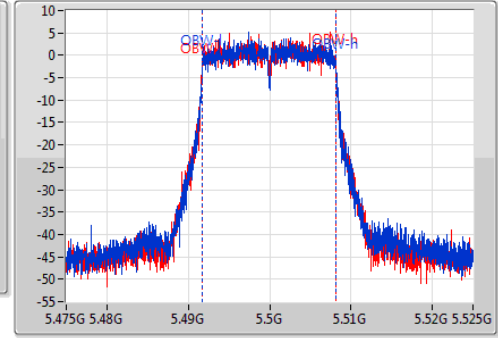
#### 5500MHz

Ch Freq: 5.5GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak

Port 1:   
 Port 2:



Ch Freq: 5.5GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.225M  | 5.490325G   | 5.50955G    | 16.417M | 5.491754G  | 5.508171G  | Inf       | 1    |
| 19.5M    | 5.490275G   | 5.509775G   | 16.442M | 5.491729G  | 5.508171G  | Inf       | 2    |

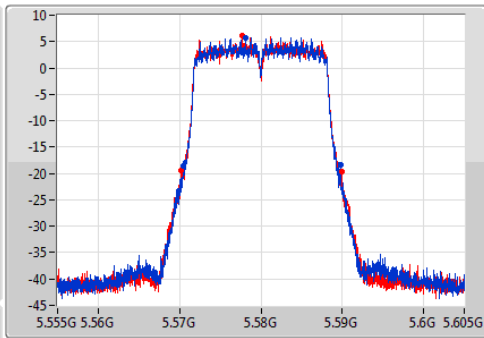
### 802.11a\_(6Mbps)\_2TX

EBW

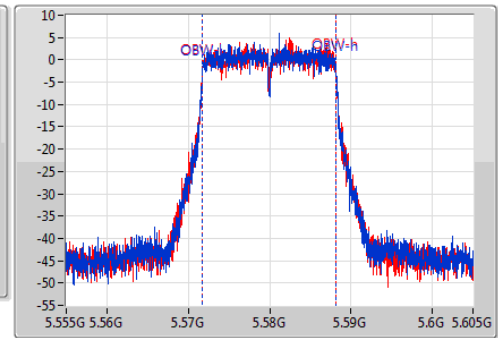
#### 5580MHz

Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak

Port 1:   
 Port 2:



Ch Freq: 5.58GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.35M   | 5.570425G   | 5.589775G   | 16.417M | 5.571754G  | 5.588171G  | Inf       | 1    |
| 19.725M  | 5.570225G   | 5.58995G    | 16.417M | 5.571754G  | 5.588171G  | Inf       | 2    |

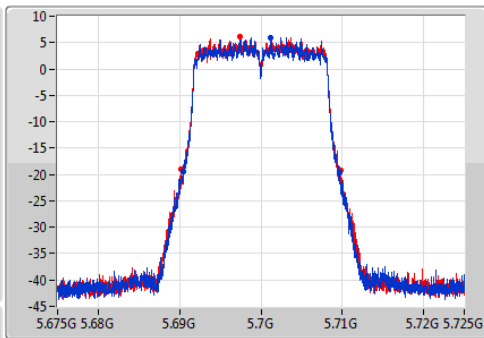
### 802.11a\_(6Mbps)\_2TX

EBW

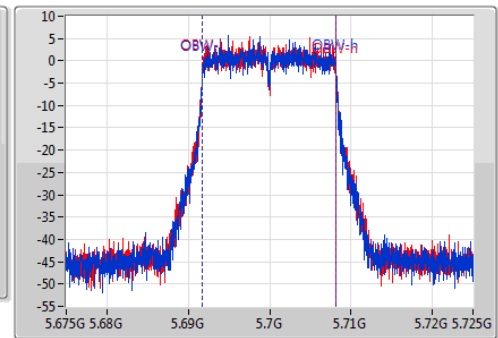
#### 5700MHz

Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak

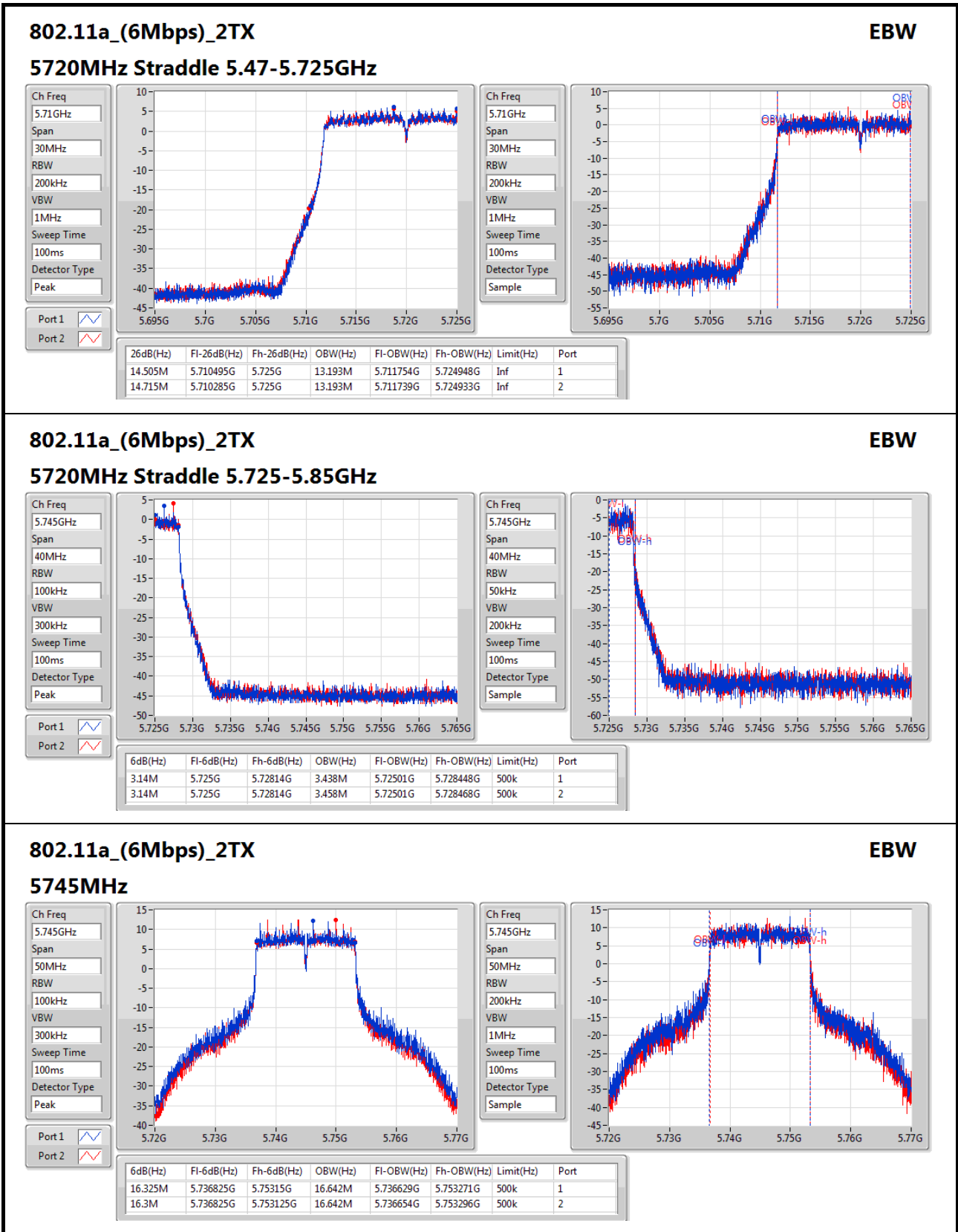
Port 1:   
 Port 2:

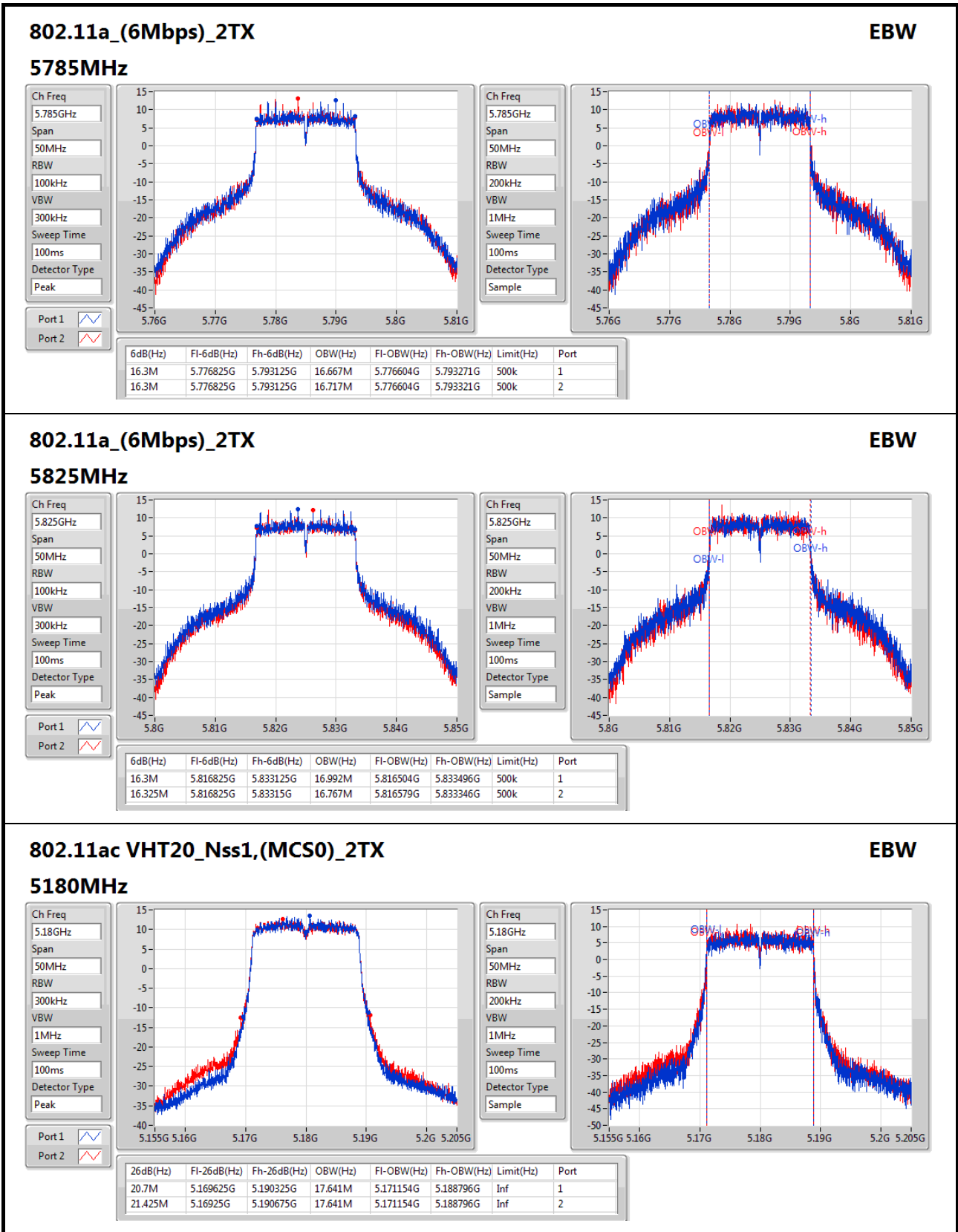


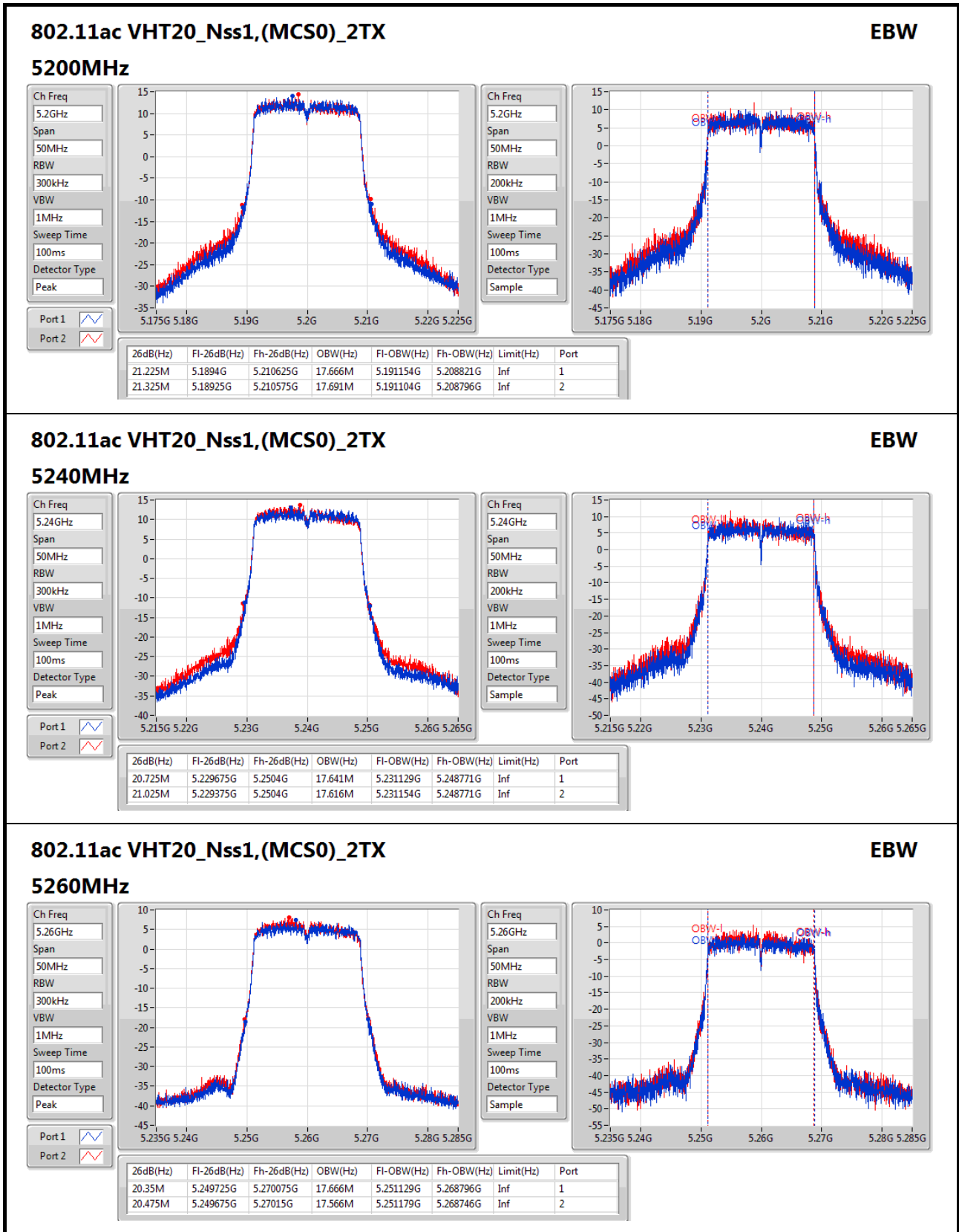
Ch Freq: 5.7GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 19.25M   | 5.6904G     | 5.70965G    | 16.392M | 5.691779G  | 5.708171G  | Inf       | 1    |
| 19.575M  | 5.690175G   | 5.70975G    | 16.417M | 5.691754G  | 5.708171G  | Inf       | 2    |





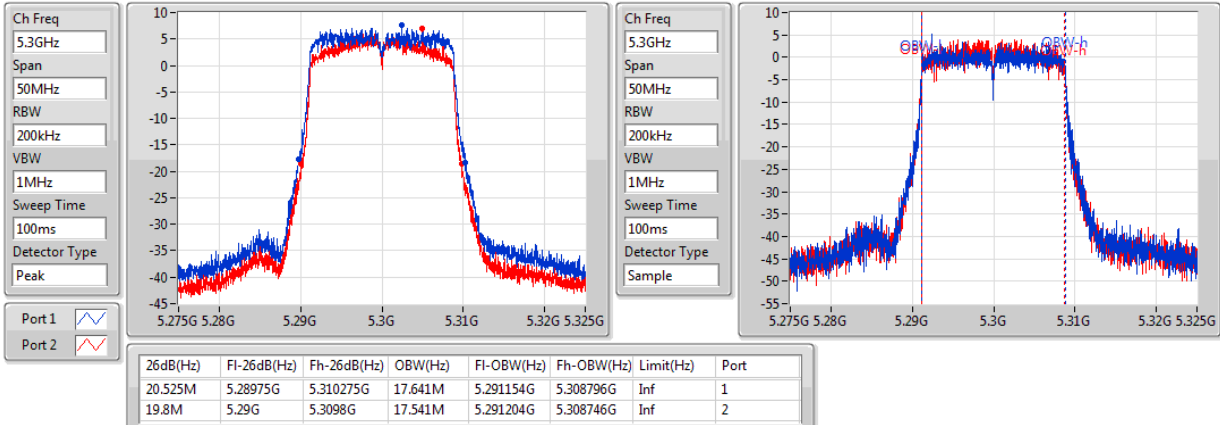




802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

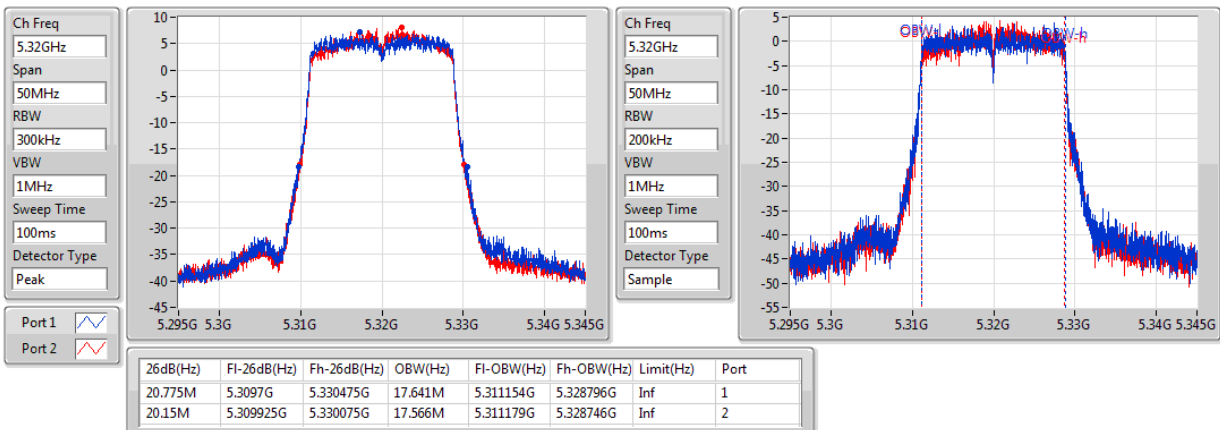
5300MHz



802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

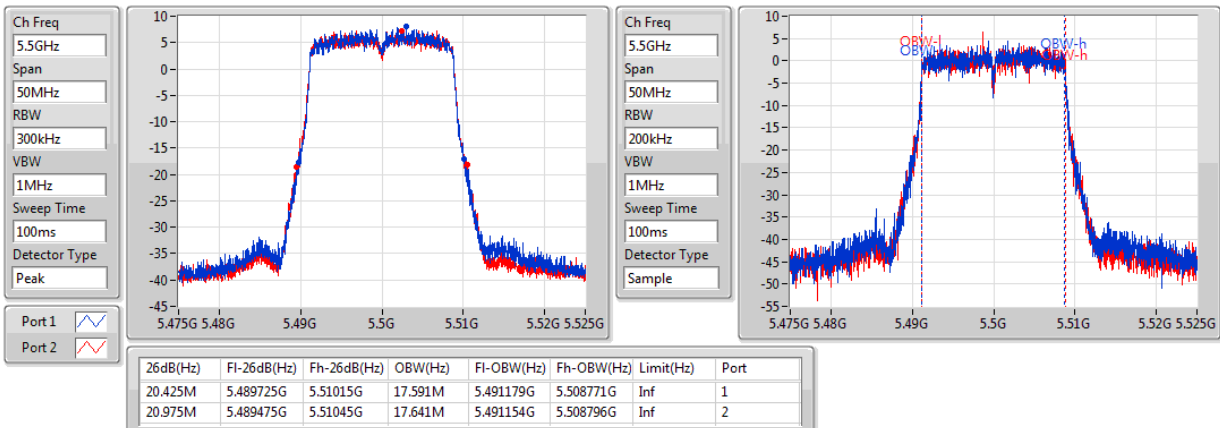
5320MHz

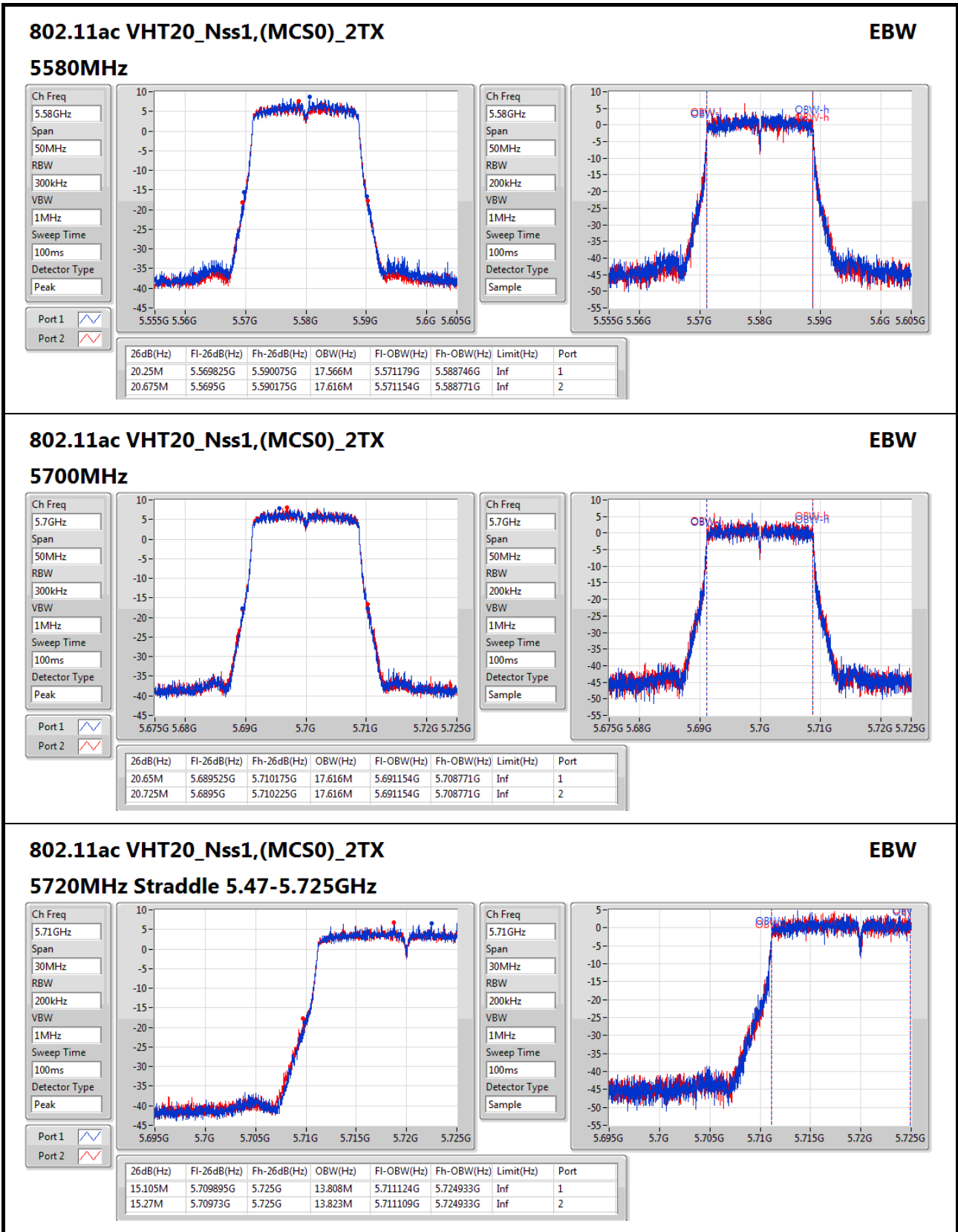


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5500MHz



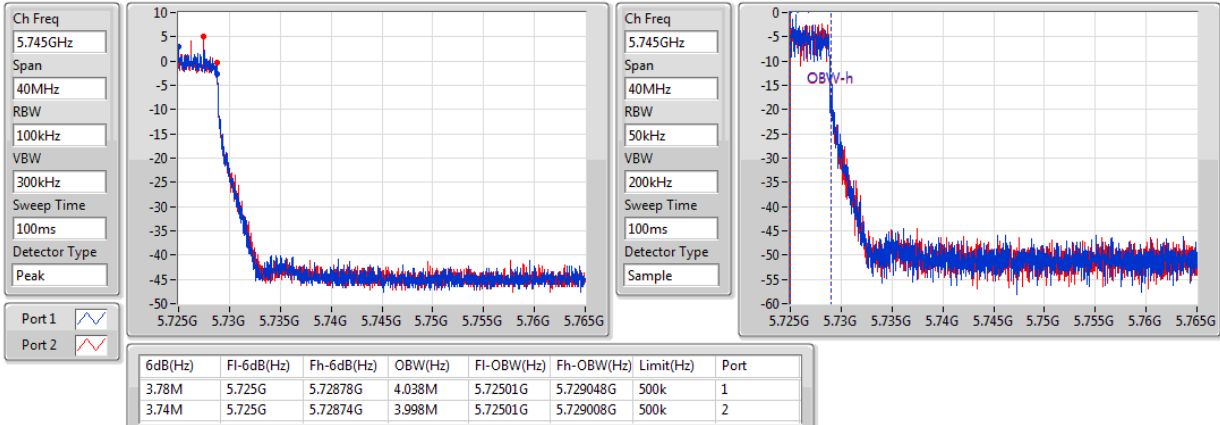




802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

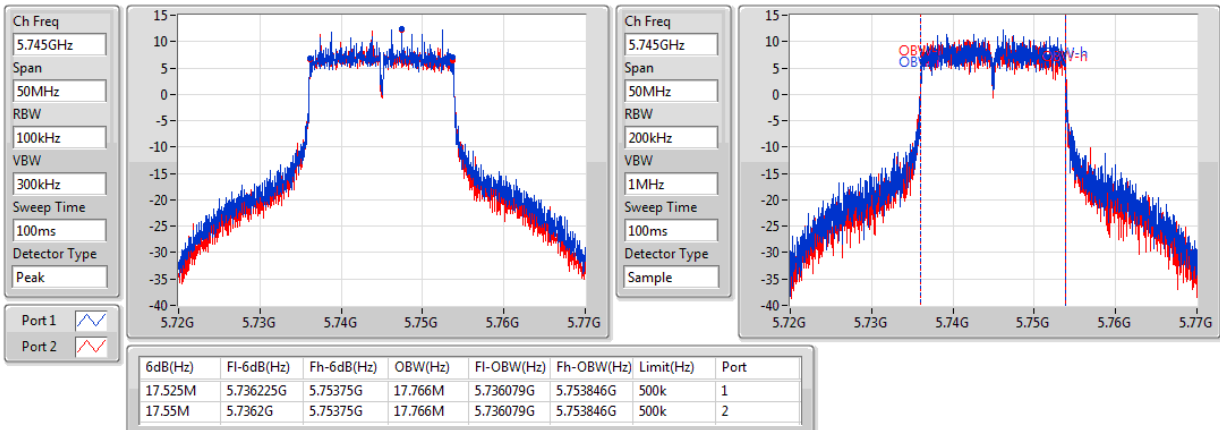
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

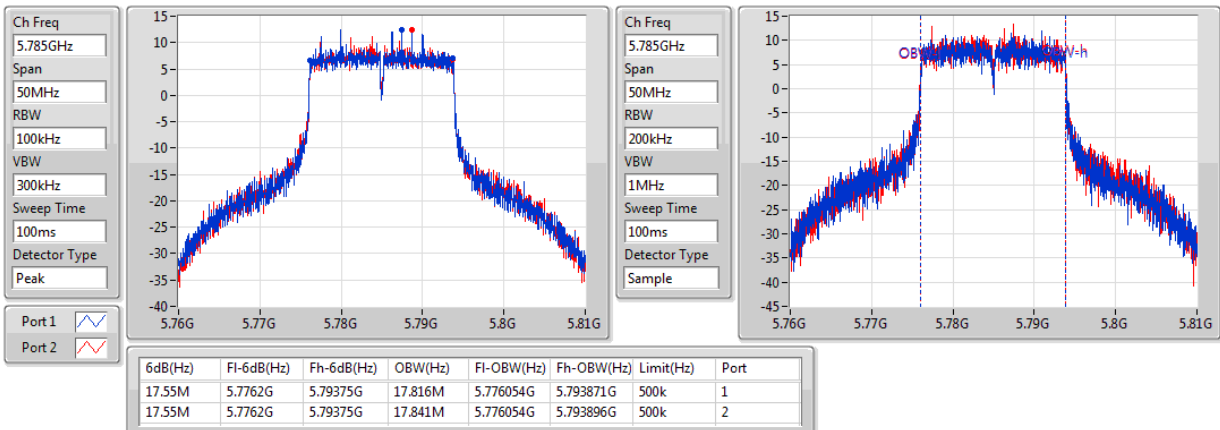
5745MHz



802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5785MHz



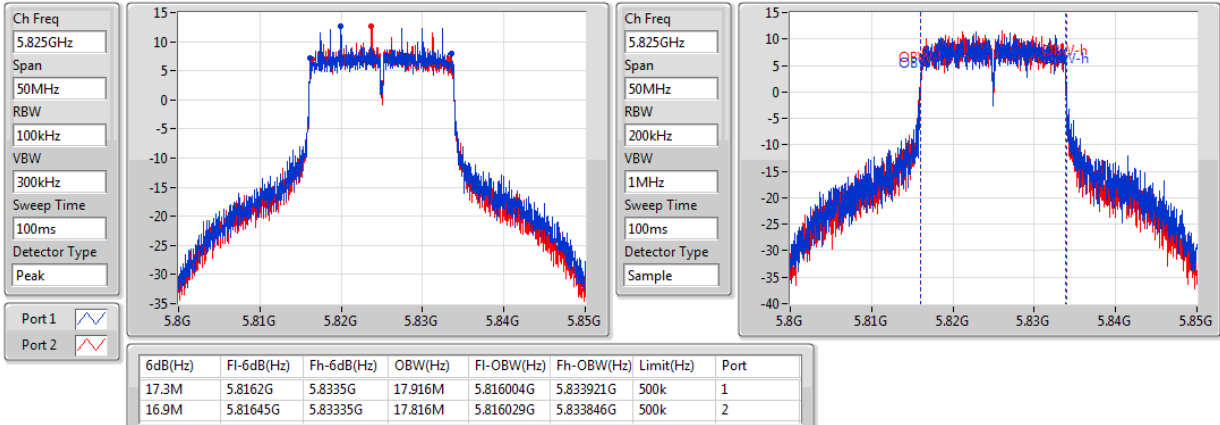




802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

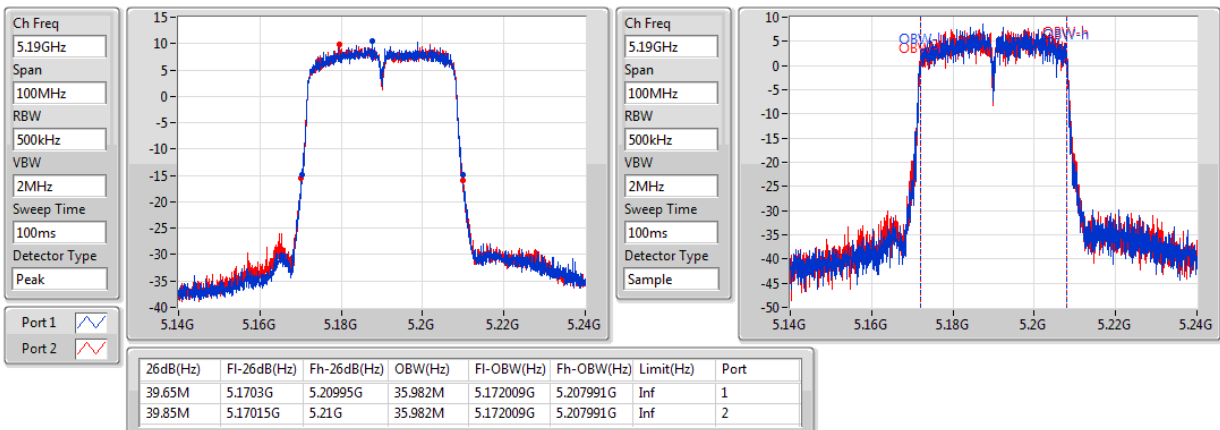
5825MHz



802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

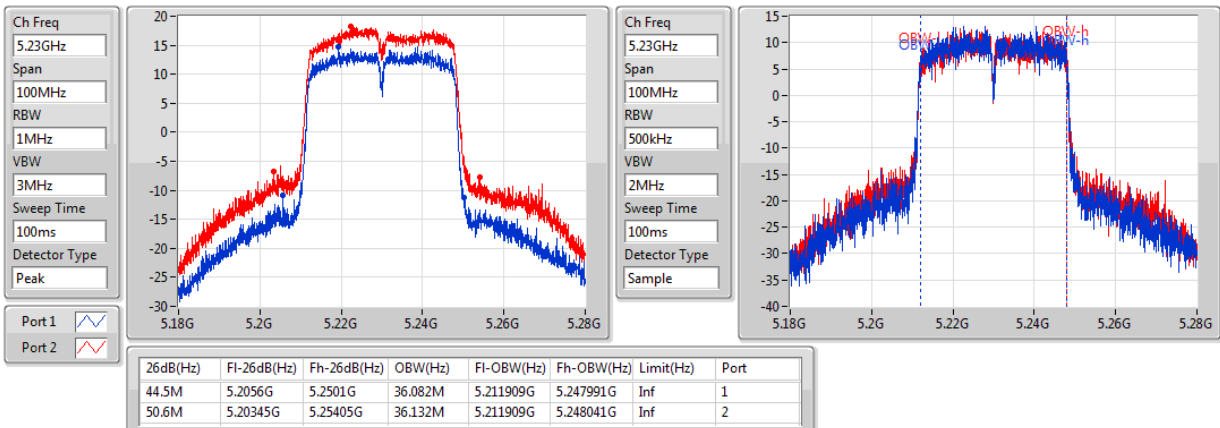
5190MHz



802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5230MHz



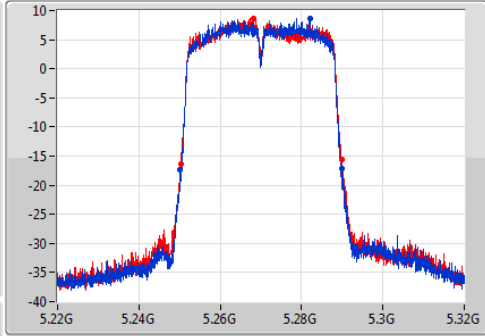


802.11ac VHT40\_Nss1,(MCS0)\_2TX

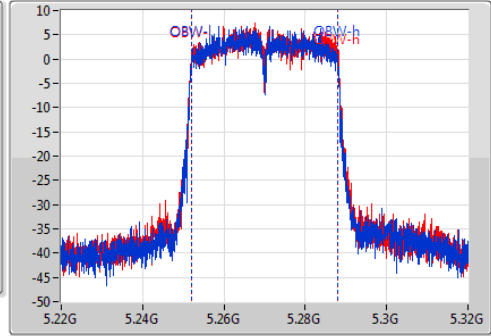
EBW

5270MHz

Ch Freq: 5.27GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.27GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Waveform icon]  
 Port 2: [Waveform icon]

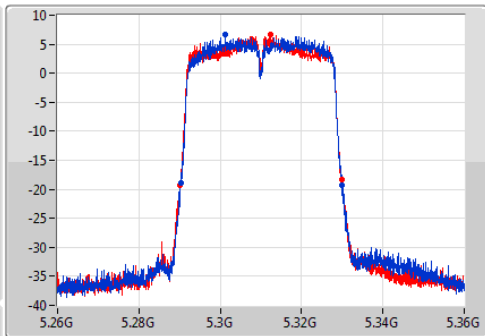
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.9M    | 5.25005G    | 5.28995G    | 35.882M | 5.252059G  | 5.287941G  | Inf       | 1    |
| 39.55M   | 5.25035G    | 5.2899G     | 36.032M | 5.252009G  | 5.288041G  | Inf       | 2    |

802.11ac VHT40\_Nss1,(MCS0)\_2TX

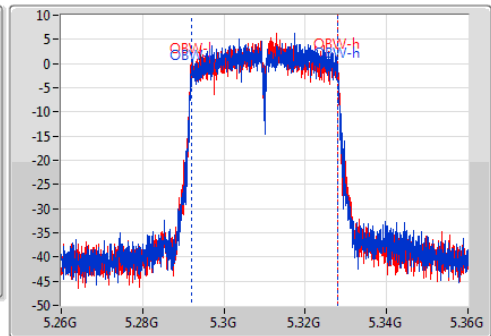
EBW

5310MHz

Ch Freq: 5.31GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Ch Freq: 5.31GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Waveform icon]  
 Port 2: [Waveform icon]

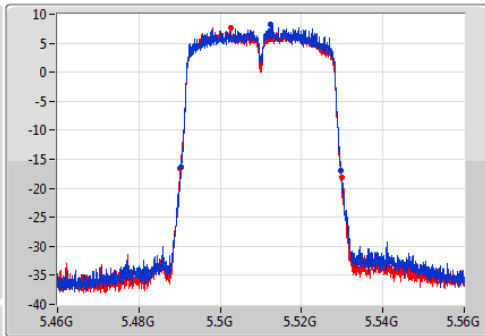
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.75M   | 5.2903G     | 5.33005G    | 35.882M | 5.292059G  | 5.327941G  | Inf       | 1    |
| 39.7M    | 5.2901G     | 5.3298G     | 36.132M | 5.291909G  | 5.328041G  | Inf       | 2    |

802.11ac VHT40\_Nss1,(MCS0)\_2TX

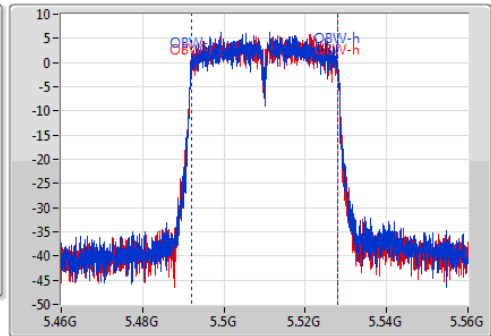
EBW

5510MHz

Ch Freq: 5.51GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak

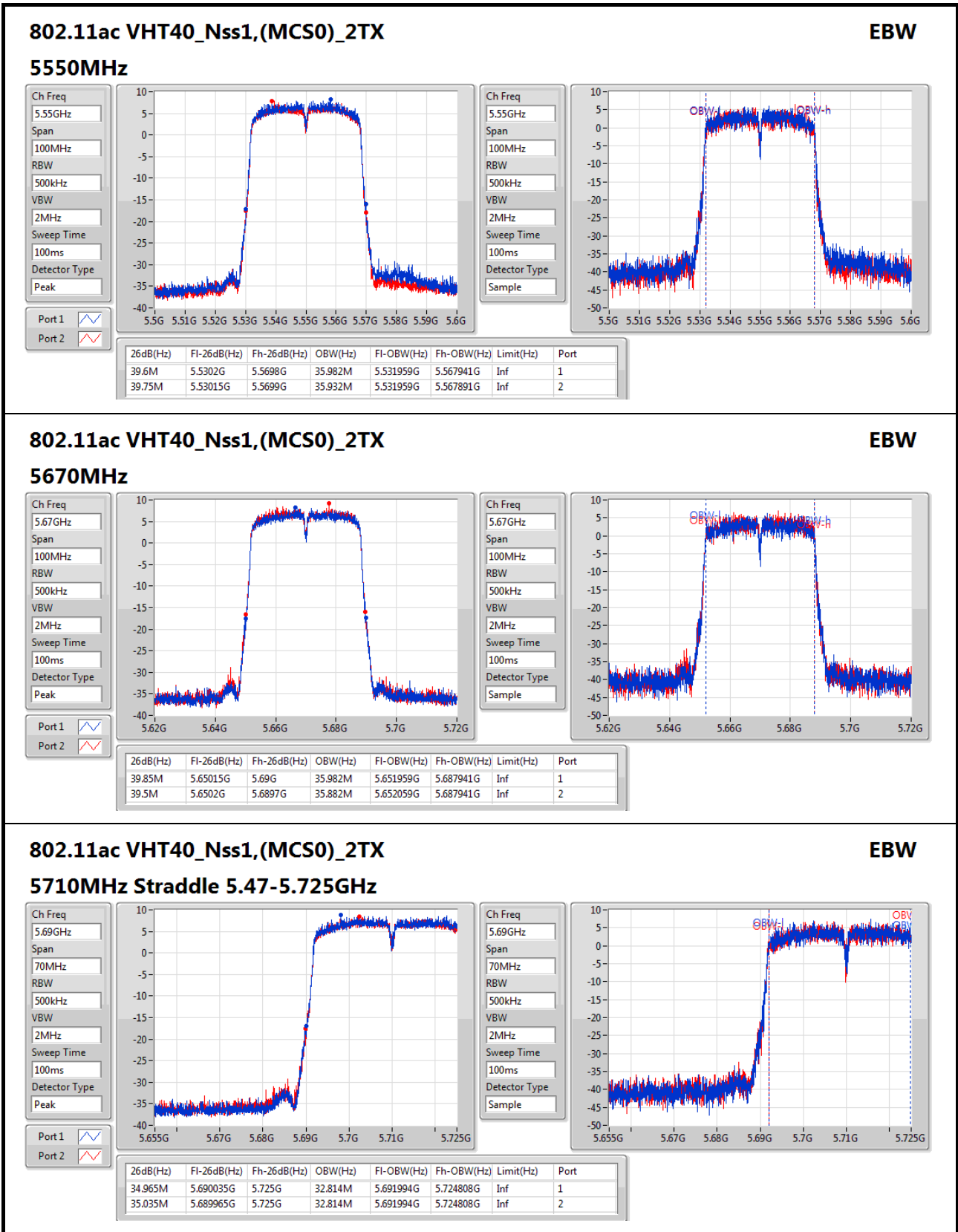


Ch Freq: 5.51GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Sample



Port 1: [Waveform icon]  
 Port 2: [Waveform icon]

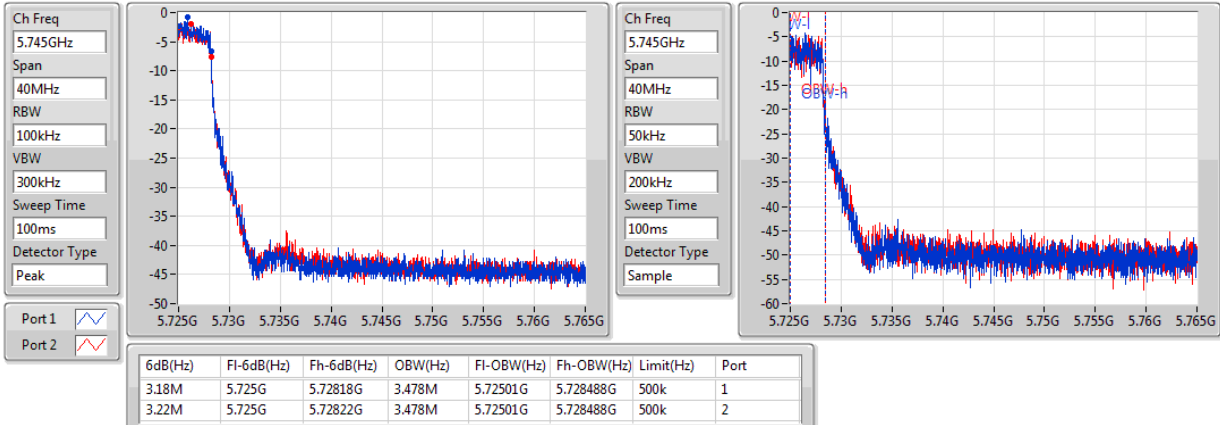
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 39.5M    | 5.49025G    | 5.52975G    | 35.932M | 5.492009G  | 5.527941G  | Inf       | 1    |
| 39.65M   | 5.49015G    | 5.5298G     | 35.982M | 5.491909G  | 5.527891G  | Inf       | 2    |



802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

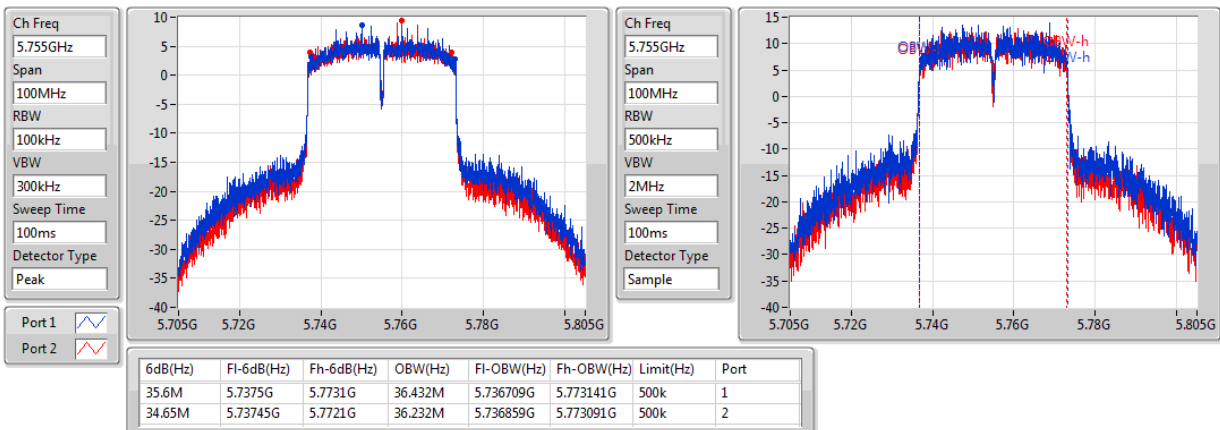
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

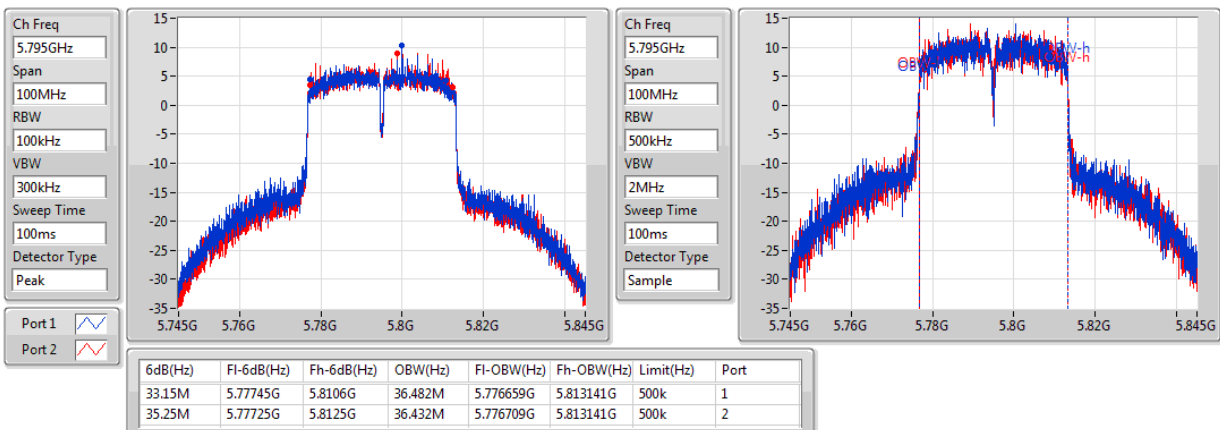
5755MHz

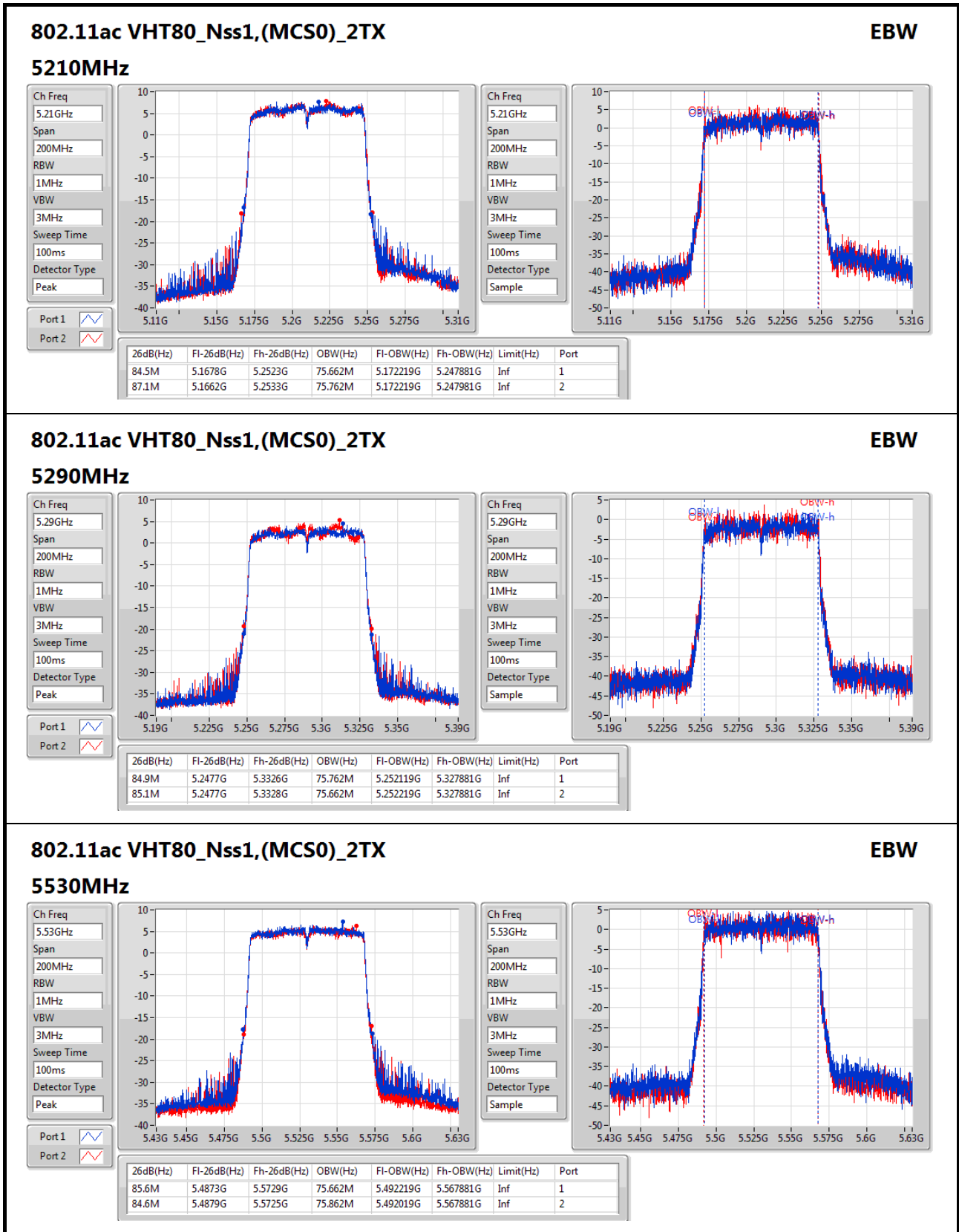


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5795MHz



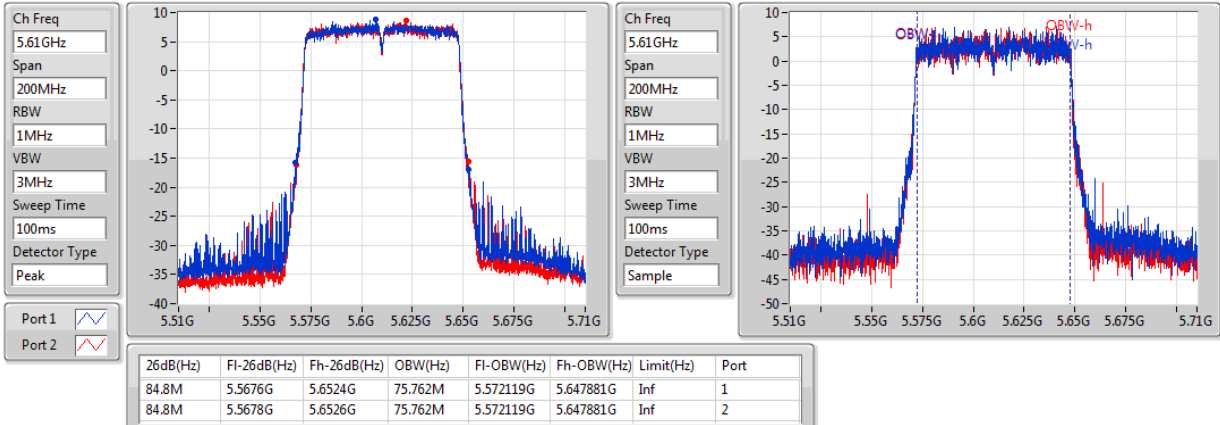




802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

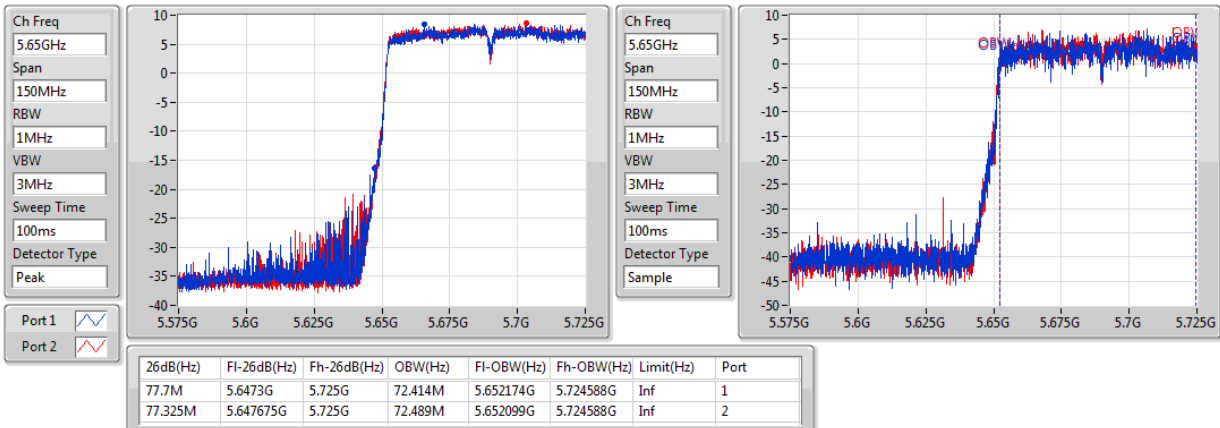
5610MHz



802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

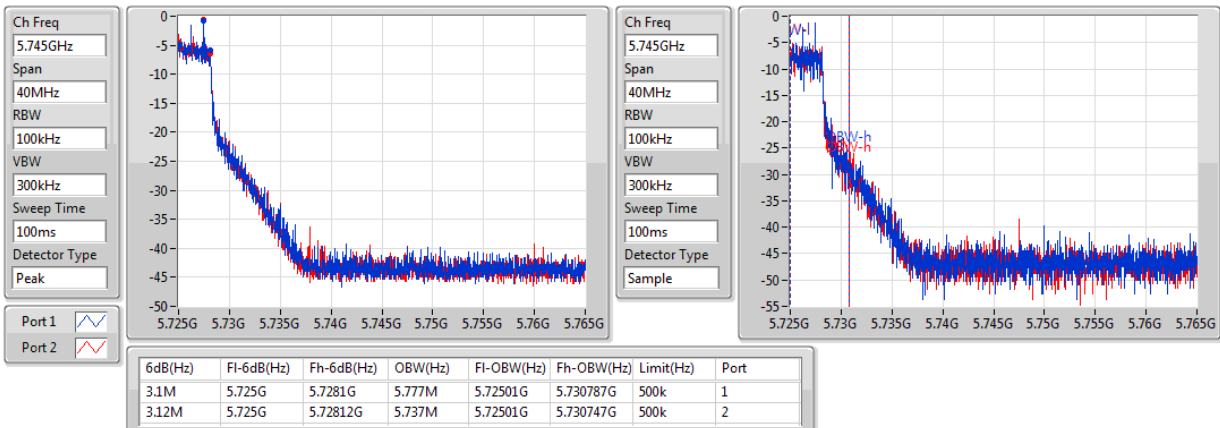
5690MHz Straddle 5.47-5.725GHz

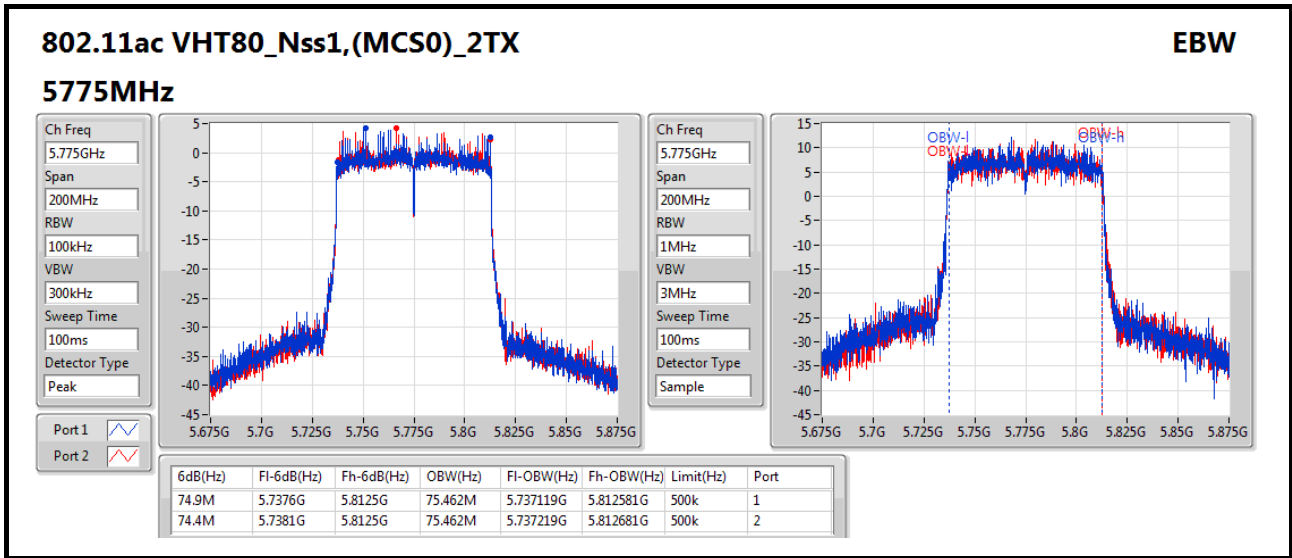


802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz







<For Beamforming Mode>  
Summary

| Mode                              | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|-----------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 21M              | 17.666M         | 17M7D1D  | 19.9M            | 17.591M         |
| 5.25-5.35GHz                      | 20.65M           | 17.666M         | 17M7D1D  | 19.725M          | 17.516M         |
| 5.47-5.725GHz                     | 20.95M           | 17.666M         | 17M7D1D  | 15.09M           | 13.778M         |
| 5.725-5.85GHz                     | 17.525M          | 17.666M         | 17M7D1D  | 3.74M            | 3.938M          |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 40.1M            | 36.032M         | 36M0D1D  | 39.75M           | 35.932M         |
| 5.25-5.35GHz                      | 39.9M            | 36.132M         | 36M1D1D  | 39.3M            | 35.932M         |
| 5.47-5.725GHz                     | 39.9M            | 35.982M         | 36M0D1D  | 34.755M          | 32.779M         |
| 5.725-5.85GHz                     | 35.95M           | 36.082M         | 36M1D1D  | 3.1M             | 3.458M          |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                      | 85.2M            | 75.762M         | 75M8D1D  | 84.6M            | 75.562M         |
| 5.25-5.35GHz                      | 89.7M            | 76.162M         | 76M2D1D  | 87.9M            | 76.162M         |
| 5.47-5.725GHz                     | 96.4M            | 76.062M         | 76M1D1D  | 78.15M           | 72.564M         |
| 5.725-5.85GHz                     | 76.5M            | 76.362M         | 76M4D1D  | 3.2M             | 4.338M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

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

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

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





Result

| Mode                              | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|-----------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5180MHz                           | Pass   | Inf        | 20.375M          | 17.591M         | 21M              | 17.666M         |
| 5200MHz                           | Pass   | Inf        | 20.825M          | 17.616M         | 20.925M          | 17.616M         |
| 5240MHz                           | Pass   | Inf        | 20.55M           | 17.616M         | 19.9M            | 17.591M         |
| 5260MHz                           | Pass   | Inf        | 20.325M          | 17.566M         | 20.4M            | 17.616M         |
| 5300MHz                           | Pass   | Inf        | 19.775M          | 17.516M         | 20.65M           | 17.666M         |
| 5320MHz                           | Pass   | Inf        | 19.725M          | 17.541M         | 20.6M            | 17.641M         |
| 5500MHz                           | Pass   | Inf        | 20.95M           | 17.641M         | 20.55M           | 17.616M         |
| 5580MHz                           | Pass   | Inf        | 20.825M          | 17.641M         | 20.65M           | 17.591M         |
| 5700MHz                           | Pass   | Inf        | 20.75M           | 17.666M         | 20.55M           | 17.591M         |
| 5720MHz Straddle 5.47-5.725GHz    | Pass   | Inf        | 15.09M           | 13.808M         | 15.27M           | 13.778M         |
| 5720MHz Straddle 5.725-5.85GHz    | Pass   | 500k       | 3.74M            | 3.938M          | 3.74M            | 3.958M          |
| 5745MHz                           | Pass   | 500k       | 17.525M          | 17.666M         | 17.5M            | 17.616M         |
| 5785MHz                           | Pass   | 500k       | 16.875M          | 17.616M         | 17.525M          | 17.666M         |
| 5825MHz                           | Pass   | 500k       | 17.525M          | 17.591M         | 17.525M          | 17.641M         |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5190MHz                           | Pass   | Inf        | 39.75M           | 35.932M         | 39.75M           | 35.932M         |
| 5230MHz                           | Pass   | Inf        | 39.95M           | 36.032M         | 40.1M            | 35.982M         |
| 5270MHz                           | Pass   | Inf        | 39.75M           | 36.132M         | 39.5M            | 35.932M         |
| 5310MHz                           | Pass   | Inf        | 39.9M            | 36.032M         | 39.3M            | 35.932M         |
| 5510MHz                           | Pass   | Inf        | 39.4M            | 35.982M         | 39.6M            | 35.932M         |
| 5550MHz                           | Pass   | Inf        | 39.9M            | 35.882M         | 39.65M           | 35.882M         |
| 5670MHz                           | Pass   | Inf        | 39.6M            | 35.932M         | 39.6M            | 35.982M         |
| 5710MHz Straddle 5.47-5.725GHz    | Pass   | Inf        | 34.895M          | 32.779M         | 34.755M          | 32.814M         |
| 5710MHz Straddle 5.725-5.85GHz    | Pass   | 500k       | 3.1M             | 3.478M          | 3.12M            | 3.458M          |
| 5755MHz                           | Pass   | 500k       | 35.95M           | 35.932M         | 33.85M           | 35.982M         |
| 5795MHz                           | Pass   | 500k       | 33.7M            | 36.082M         | 31.95M           | 36.082M         |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5210MHz                           | Pass   | Inf        | 84.6M            | 75.762M         | 85.2M            | 75.562M         |
| 5290MHz                           | Pass   | Inf        | 87.9M            | 76.162M         | 89.7M            | 76.162M         |
| 5530MHz                           | Pass   | Inf        | 89.2M            | 76.062M         | 96.4M            | 75.962M         |
| 5610MHz                           | Pass   | Inf        | 87.7M            | 75.962M         | 90.4M            | 76.062M         |
| 5690MHz Straddle 5.47-5.725GHz    | Pass   | Inf        | 78.15M           | 72.564M         | 79.875M          | 72.789M         |
| 5690MHz Straddle 5.725-5.85GHz    | Pass   | 500k       | 3.2M             | 4.338M          | 3.2M             | 4.398M          |
| 5775MHz                           | Pass   | 500k       | 76.4M            | 76.262M         | 76.5M            | 76.362M         |

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

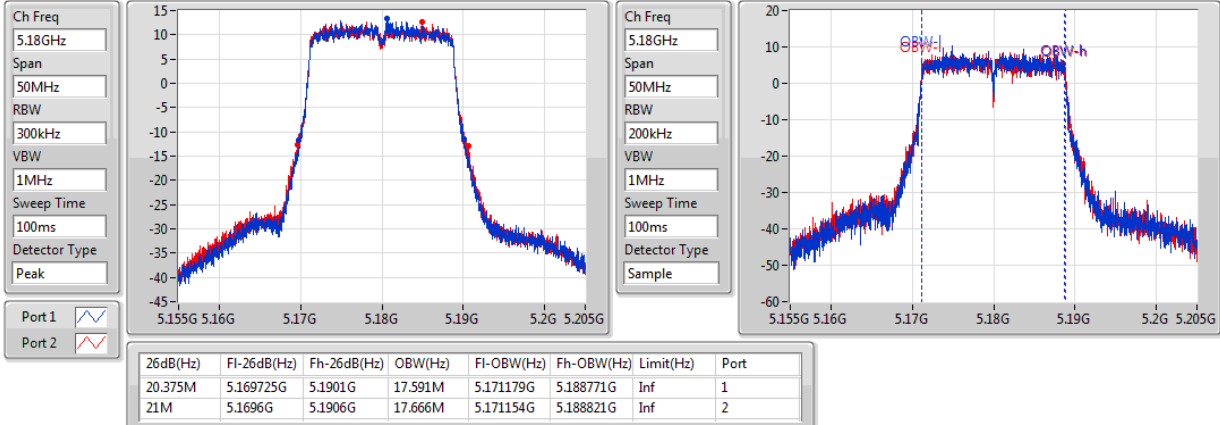
Port X-OBW = Port X 99% occupied bandwidth;



802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

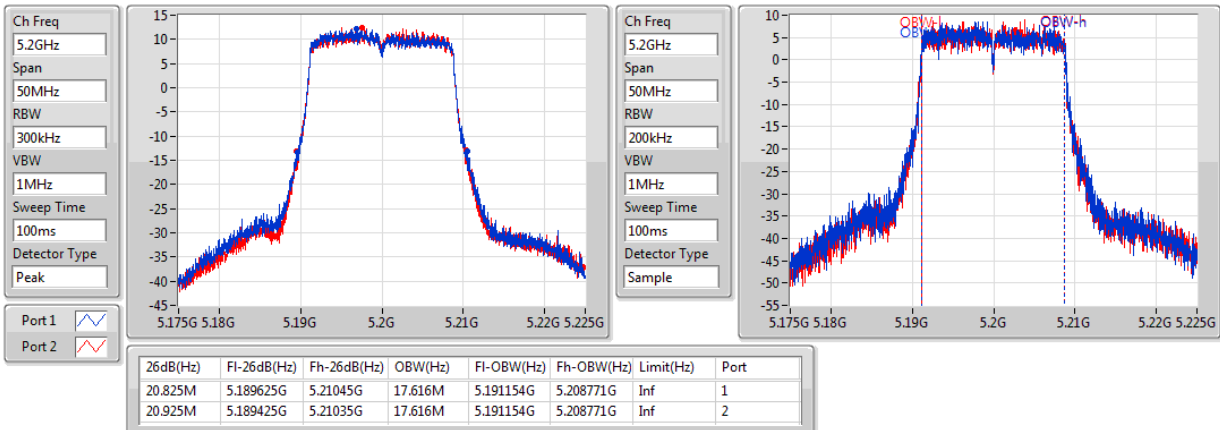
5180MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

5200MHz



802.11ac VHT20-BF\_Nss1,(MCS0)\_2TX

EBW

5240MHz

