



# FCC Test Report

**FCC ID** : TOR-C230  
**Equipment** : 802.11 a/n/ac/ax + b/g/n/ax Access Point  
**Brand Name** : Arista  
**Model Name** : C-230, C-230E, O-235, O-235E  
**Applicant** : Arista Networks, Inc.  
5453 Great America Parkway, Santa Clara, CA 95054  
**Manufacturer** : Arista Networks, Inc.  
5453 Great America Parkway, Santa Clara, CA 95054  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Feb. 26, 2020, and testing was started from Mar. 05, 2020 and completed on May 27, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FR9D1735AC | 01      | Initial issue of report | Jun. 04, 2020 |
|            |         |                         |               |
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## Summary of Test Result

| Report Clause | Ref. Std. Clause | Test Items                                  | Result (PASS/FAIL) | Remark |
|---------------|------------------|---------------------------------------------|--------------------|--------|
| 1.1.2         | 15.203           | Antenna Requirement                         | PASS               | -      |
| 3.1           | 15.207           | AC Power-line Conducted Emissions           | PASS               | -      |
| 3.2           | 15.247(a)        | DTS Bandwidth                               | PASS               | -      |
| 3.3           | 15.247(b)        | Maximum Conducted Output Power              | PASS               | -      |
| 3.4           | 15.247(e)        | Power Spectral Density                      | PASS               | -      |
| 3.5           | 15.247(d)        | Emissions in Non-restricted Frequency Bands | PASS               | -      |
| 3.6           | 15.247(d)        | Emissions in Restricted Frequency Bands     | PASS               | -      |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and explanations:**

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

**Reviewed by: Ben Tseng**

**Report Producer: Debby Hung**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11                   | Ch. Frequency (MHz) | Channel Number |
|-----------------------|------------------------------------|---------------------|----------------|
| 2400-2483.5           | b, g, n (HT20), VHT20, ax (HEW 20) | 2412-2462           | 1-11 [11]      |
| 2400-2483.5           | n (HT40), VHT40, ax (HEW 40)       | 2422-2452           | 3-9 [7]        |

#### Non-Beamforming

##### Radio 2

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 2.4-2.4835GHz | 802.11b        | 20         | 2TX  |
| 2.4-2.4835GHz | 802.11g        | 20         | 2TX  |
| 2.4-2.4835GHz | VHT20          | 20         | 2TX  |
| 2.4-2.4835GHz | VHT40          | 40         | 2TX  |
| 2.4-2.4835GHz | 802.11ax HEW20 | 20         | 2TX  |
| 2.4-2.4835GHz | 802.11ax HEW40 | 40         | 2TX  |

##### Radio 3

| Band          | Mode    | BWch (MHz) | Nant |
|---------------|---------|------------|------|
| 2.4-2.4835GHz | 802.11b | 20         | 2TX  |
| 2.4-2.4835GHz | 802.11g | 20         | 2TX  |
| 2.4-2.4835GHz | VHT20   | 20         | 2TX  |
| 2.4-2.4835GHz | VHT40   | 40         | 2TX  |

#### Beamforming

##### Radio 2

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 2.4-2.4835GHz | VHT20          | 20         | 2TX  |
| 2.4-2.4835GHz | VHT40          | 40         | 2TX  |
| 2.4-2.4835GHz | 802.11ax HEW20 | 20         | 2TX  |
| 2.4-2.4835GHz | 802.11ax HEW40 | 40         | 2TX  |



**Note:**

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ The resource unit of HEW 20, HEW 40 only support full loading.

### 1.1.2 Antenna Information

#### (C-230, O-235) Internal Antenna

| Ant. | Brand | Model Number | Antenna Type | Connector | Antenna Gain (dBi) |      |      | Cable Loss | Remark  |         |
|------|-------|--------------|--------------|-----------|--------------------|------|------|------------|---------|---------|
|      |       |              |              |           | 2.4GHz             | 5GHz | BLE  |            | 2.4GHz  | 5GHz    |
| 1    | Senao | 5718A0507300 | PIFA         | I-Pex     | 3.80               | 5.98 | -    | N/A        | Radio 2 | Radio 1 |
| 2    | Senao | 5718A0508300 | PIFA         | I-Pex     | 5.23               | 5.54 | -    |            | Radio 2 | Radio 1 |
| 3    | Senao | 5718A0509300 | PIFA         | I-Pex     | 4.44               | 5.97 | -    |            | Radio 3 |         |
| 4    | Senao | 5718A0510300 | PIFA         | I-Pex     | 4.41               | 5.78 | -    |            | Radio 3 |         |
| 5    | Senao | 5718A0511300 | PIFA         | I-Pex     | -                  | 5.54 | -    |            | -       | Radio 1 |
| 6    | Senao | 5718A0512300 | PIFA         | I-Pex     | -                  | 5.53 | -    |            | -       | Radio 1 |
| 7    | Senao | 5718A0513300 | PIFA         | I-Pex     | -                  | -    | 3.87 |            | -       | -       |

#### (C-230E) External Antenna

| Ant. | Brand       | Model Number | Antenna Type | Connector   | Antenna Gain (dBi) |      |      | Cable Loss |      | Remark  |         |
|------|-------------|--------------|--------------|-------------|--------------------|------|------|------------|------|---------|---------|
|      |             |              |              |             | 2.4GHz             | 5GHz | BLE  | 2.4GHz     | 5GHz | 2.4GHz  | 5GHz    |
| 1    | Master Wave | 98619PRSX020 | Dipole       | Reverse SMA | 2.70               | 5.23 | -    | 0.46       | 0.88 | Radio 2 | Radio 1 |
| 2    | Master Wave | 98619PRSX020 | Dipole       | Reverse SMA | 2.70               | 5.23 | -    | 0.30       | 0.57 | Radio 2 | Radio 1 |
| 3    | Master Wave | 98619PRSX020 | Dipole       | Reverse SMA | 2.70               | 5.23 | -    | 0.33       | 0.60 | Radio 3 |         |
| 4    | Master Wave | 98619PRSX020 | Dipole       | Reverse SMA | 2.70               | 5.23 | -    | 0.57       | 0.95 | Radio 3 |         |
| 5    | Master Wave | 98619URSX002 | Dipole       | Reverse SMA | -                  | 5.32 | -    | -          | 1.13 | -       | Radio 1 |
| 6    | Master Wave | 98619URSX002 | Dipole       | Reverse SMA | -                  | 5.32 | -    | -          | 0.69 | -       | Radio 1 |
| 7    | Senao       | 5718A0513300 | PIFA         | I-Pex       | -                  | -    | 3.87 | N/A        |      | -       | -       |

**(O-235E) External Antenna**

| Ant. | Brand | Model Number | Antenna Type | Connector | Antenna Gain (dBi) |      |      | Cable Loss |      | Remark  |         |
|------|-------|--------------|--------------|-----------|--------------------|------|------|------------|------|---------|---------|
|      |       |              |              |           | 2.4GHz             | 5GHz | BLE  | 2.4GHz     | 5GHz | 2.4GHz  | 5GHz    |
| 1    | Senao | 5718A0394300 | Dipole       | N-type    | 5.5                | 7.2  | -    | 0.5        | 1.13 | Radio 2 | Radio 1 |
| 2    | Senao | 5718A0394300 | Dipole       | N-type    | 5.5                | 7.2  | -    | 0.6        | 1.11 | Radio 2 | Radio 1 |
| 3    | Senao | 5718A0394300 | Dipole       | N-type    | 5.5                | 7.2  | -    | 0.61       | 1.28 | Radio 3 |         |
| 4    | Senao | 5718A0394300 | Dipole       | N-type    | 5.5                | 7.2  | -    | 0.67       | 1.21 | Radio 3 |         |
| 5    | Senao | 5718A0137300 | Dipole       | N-type    | -                  | 6.3  | -    | -          | 1.7  | -       | Radio 1 |
| 6    | Senao | 5718A0137300 | Dipole       | N-type    | -                  | 6.3  | -    | -          | 1.11 | -       | Radio 1 |
| 7    | Senao | 5718A0513300 | PIFA         | I-Pex     | -                  | -    | 3.87 | N/A        |      |         | -       |

**For 2.4GHz function:**

For IEEE 802.11 b/g/n/ax mode (2TX/2RX)

Port 1 and port 2 could transmit/receive simultaneously.

**For BT function:**

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only port 1 can be used as transmitting/receiving antenna.

**For 5GHz function:**

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)

Port 1 and port 2 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX)

Port 1, port 2, port 3 and port 4 could transmit/receive simultaneously.

### 1.1.3 EUT Information

| Operational Condition               |                                                                               |                     |                          |                     |
|-------------------------------------|-------------------------------------------------------------------------------|---------------------|--------------------------|---------------------|
| <b>EUT Power Type</b>               | AC Adapter/PoE for C-230, C-230E<br>PoE for O-235, O-235E                     |                     |                          |                     |
| <b>EUT Function</b>                 | <input checked="" type="checkbox"/>                                           | Point-to-multipoint | <input type="checkbox"/> | Point-to-point      |
| <b>Beamforming Function</b>         | <input checked="" type="checkbox"/>                                           | With beamforming    | <input type="checkbox"/> | Without beamforming |
| Type of EUT                         |                                                                               |                     |                          |                     |
| <input checked="" type="checkbox"/> | Stand-alone                                                                   |                     |                          |                     |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device) |                     |                          |                     |
|                                     | Combined Equipment - Brand Name / Model No.:                                  |                     | ...                      |                     |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                    |                     |                          |                     |
|                                     | Host System - Brand Name / Model No.:                                         |                     | ...                      |                     |
| <input type="checkbox"/>            | Other:                                                                        |                     |                          |                     |

### 1.1.4 Table for Multiple Listing

| Sample Number | Model Name | Use     | Description                                                                                                                                                                     |
|---------------|------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1             | C-230      | Indoor  | The model C-230 and O-235 indicate that it comes with internal antennas and the model C-230E and O-235E indicates that the access point comes with external antenna connectors. |
| 2             | C-230E     |         |                                                                                                                                                                                 |
| 3             | O-235      | Outdoor |                                                                                                                                                                                 |
| 4             | O-235E     |         |                                                                                                                                                                                 |

### 1.1.5 Mode Test Duty Cycle

#### Non-Beamforming

#### Sample 1\_Radio 2

| Mode                           | DC    | DCF(dB) | T(s)   | VBW(Hz) ≥ 1/T |
|--------------------------------|-------|---------|--------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX       | 0.634 | 1.98    | 665u   | 3k            |
| 802.11g_Nss1,(6Mbps)_2TX       | 0.944 | 0.25    | 1.977m | 1k            |
| VHT20_Nss1,(MCS0)_2TX          | 0.918 | 0.37    | 5.429m | 300           |
| VHT40_Nss1,(MCS0)_2TX          | 0.944 | 0.25    | 5.429m | 300           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.923 | 0.35    | 5.446m | 300           |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 0.903 | 0.44    | 5.446m | 300           |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

#### Sample 1\_Radio 3

| Mode                     | DC    | DCF(dB) | T(s)          | VBW(Hz) ≥ 1/T |
|--------------------------|-------|---------|---------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX | 0.994 | 0.03    | n/a (DC≥0.98) | n/a (DC≥0.98) |
| 802.11g_Nss1,(6Mbps)_2TX | 0.958 | 0.19    | 2.065m        | 1k            |
| VHT20_Nss1,(MCS0)_2TX    | 0.959 | 0.18    | 1.933m        | 1k            |
| VHT40_Nss1,(MCS0)_2TX    | 0.924 | 0.34    | 953.125u      | 3k            |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**Sample 2\_Radio 2**

| Mode                           | DC    | DCF(dB) | T(s)     | VBW(Hz) $\geq 1/T$ |
|--------------------------------|-------|---------|----------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | 0.309 | 5.1     | 665.625u | 3k                 |
| 802.11g_Nss1,(6Mbps)_2TX       | 0.941 | 0.26    | 1.977m   | 1k                 |
| VHT20_Nss1,(MCS0)_2TX          | 0.925 | 0.34    | 5.43m    | 300                |
| VHT40_Nss1,(MCS0)_2TX          | 0.932 | 0.31    | 5.43m    | 300                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.948 | 0.23    | 5.447m   | 300                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 0.939 | 0.27    | 5.447m   | 300                |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**Sample 2\_Radio 3**

| Mode                     | DC    | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|--------------------------|-------|---------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | 0.994 | 0.03    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11g_Nss1,(6Mbps)_2TX | 0.965 | 0.15    | 2.065m               | 1k                   |
| VHT20_Nss1,(MCS0)_2TX    | 0.961 | 0.17    | 1.933m               | 1k                   |
| VHT40_Nss1,(MCS0)_2TX    | 0.922 | 0.35    | 953.125u             | 3k                   |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**Sample 3\_Radio 2**

| Mode                           | DC    | DCF(dB) | T(s)   | VBW(Hz) $\geq 1/T$ |
|--------------------------------|-------|---------|--------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | 0.632 | 1.99    | 665u   | 3k                 |
| 802.11g_Nss1,(6Mbps)_2TX       | 0.940 | 0.27    | 1.977m | 1k                 |
| VHT20_Nss1,(MCS0)_2TX          | 0.918 | 0.37    | 5.429m | 300                |
| VHT40_Nss1,(MCS0)_2TX          | 0.932 | 0.31    | 5.429m | 300                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.901 | 0.45    | 5.446m | 300                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 0.965 | 0.15    | 5.446m | 300                |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**Sample 3\_Radio 3**

| Mode                     | DC    | DCF(dB) | T(s)     | VBW(Hz) $\geq 1/T$ |
|--------------------------|-------|---------|----------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX | 0.994 | 0.03    | 12.434m  | 10                 |
| 802.11g_Nss1,(6Mbps)_2TX | 0.964 | 0.16    | 2.067m   | 1k                 |
| VHT20_Nss1,(MCS0)_2TX    | 0.960 | 0.18    | 1.934m   | 1k                 |
| VHT40_Nss1,(MCS0)_2TX    | 0.923 | 0.35    | 954.688u | 3k                 |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**Sample 4\_Radio 2**

| Mode                           | DC    | DCF(dB) | T(s)     | VBW(Hz) $\geq 1/T$ |
|--------------------------------|-------|---------|----------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | 0.629 | 2.01    | 665.625u | 3k                 |
| 802.11g_Nss1,(6Mbps)_2TX       | 0.943 | 0.25    | 1.978m   | 1k                 |
| VHT20_Nss1,(MCS0)_2TX          | 0.920 | 0.36    | 5.43m    | 300                |
| VHT40_Nss1,(MCS0)_2TX          | 0.927 | 0.33    | 5.43m    | 300                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.954 | 0.2     | 5.447m   | 300                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 0.927 | 0.33    | 5.447m   | 300                |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**Sample 4\_Radio 3**

| Mode                     | DC    | DCF(dB) | T(s)    | VBW(Hz) $\geq 1/T$ |
|--------------------------|-------|---------|---------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX | 0.994 | 0.03    | 12.434m | 10                 |
| 802.11g_Nss1,(6Mbps)_2TX | 0.964 | 0.16    | 2.069m  | 1k                 |
| VHT20_Nss1,(MCS0)_2TX    | 0.962 | 0.17    | 1.937m  | 1k                 |
| VHT40_Nss1,(MCS0)_2TX    | 0.925 | 0.34    | 956.25u | 3k                 |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

## 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

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| Testing Location                           |          |                                                                                       |                      |
|--------------------------------------------|----------|---------------------------------------------------------------------------------------|----------------------|
| <input checked="" type="checkbox"/>        | HWA YA   | ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)             |                      |
|                                            |          | TEL : 886-3-327-3456                                                                  | FAX : 886-3-327-0973 |
| Test site Designation No. TW1190 with FCC. |          |                                                                                       |                      |
| <input type="checkbox"/>                   | JHUBEI   | ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)          |                      |
|                                            |          | TEL : 886-3-656-9065                                                                  | FAX : 886-3-656-9085 |
| Test site Designation No. TW0006 with FCC. |          |                                                                                       |                      |
| <input type="checkbox"/>                   | Wen Shan | ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) |                      |
|                                            |          | TEL : 886-3-318-0787                                                                  | FAX : 886-3-318-0287 |
| Test site Designation No. TW1097 with FCC. |          |                                                                                       |                      |

| Test Condition | Test Site No. | Test Engineer | Test Environment     | Test Date               |
|----------------|---------------|---------------|----------------------|-------------------------|
| AC Conduction  | CO04-HY       | Edward Wang   | 20.1~21.9°C / 68~71% | 18/Mar/2020~06/Apr/2020 |
| RF Conducted   | TH06-HY       | Gary Wang     | 20.1~26.9°C / 50~60% | 08/Mar/2020~08/May/2020 |
| Radiated       | 03CH02-HY     | Daniel Lin    | 23.5~26.8°C / 43~50% | 05/Mar/2020~27/May/2020 |

## 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)  | 0.9 dB      | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz)     | 2.4 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 3.7 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.6 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.0 dB      | Confidence levels of 95% |
| Temperature                          | 0.41 °C     | Confidence levels of 95% |
| Humidity                             | 3.4 %       | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Condition

| Condition Item | Abbreviation/Remark | Remark |
|----------------|---------------------|--------|
| TnomVnom       | Tnom                | 20°C   |
| -              | Vnom                | 120V   |

### 2.2 Test Channel Mode

Non-Beamforming

Radio 2

|                       |          |
|-----------------------|----------|
| Test Software Version | QRCT 4.0 |
|-----------------------|----------|

Radio 3

|                       |          |
|-----------------------|----------|
| Test Software Version | QRCT 3.0 |
|-----------------------|----------|

**Non-Beamforming  
Sample 1\_Radio 2**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -             |
| 2412MHz                        | 18            |
| 2437MHz                        | 17.5          |
| 2457MHz                        | 17            |
| 2462MHz                        | 16            |
| 802.11g_Nss1,(6Mbps)_2TX       | -             |
| 2412MHz                        | 23            |
| 2437MHz                        | 23            |
| 2457MHz                        | 21            |
| 2462MHz                        | 20.5          |
| VHT20_Nss1,(MCS0)_2TX          | -             |
| 2412MHz                        | 23.5          |
| 2437MHz                        | 23.5          |
| 2457MHz                        | 21            |
| 2462MHz                        | 21            |
| VHT40_Nss1,(MCS0)_2TX          | -             |
| 2422MHz                        | 22.5          |
| 2437MHz                        | 22            |
| 2447MHz                        | 21            |
| 2452MHz                        | 20            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -             |
| 2412MHz                        | 23.5          |
| 2437MHz                        | 23.5          |
| 2457MHz                        | 21            |
| 2462MHz                        | 21            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -             |
| 2422MHz                        | 22.5          |
| 2437MHz                        | 22            |
| 2447MHz                        | 21            |
| 2452MHz                        | 20            |

**Sample 1\_Radio 3**

| Mode                     | Power Setting |
|--------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX | -             |
| 2412MHz                  | 15            |
| 2417MHz                  | 15            |
| 2437MHz                  | 16            |
| 2457MHz                  | 16            |
| 2462MHz                  | 15.5          |
| 802.11g_Nss1,(6Mbps)_2TX | -             |
| 2412MHz                  | 17.5          |
| 2417MHz                  | 19            |
| 2437MHz                  | 21            |
| 2457MHz                  | 18.5          |
| 2462MHz                  | 17            |
| VHT20_Nss1,(MCS0)_2TX    | -             |
| 2412MHz                  | 17.5          |
| 2417MHz                  | 19            |
| 2437MHz                  | 21            |
| 2457MHz                  | 19            |
| 2462MHz                  | 17            |
| VHT40_Nss1,(MCS0)_2TX    | -             |
| 2422MHz                  | 14            |
| 2427MHz                  | 15            |
| 2437MHz                  | 18            |
| 2447MHz                  | 15            |
| 2452MHz                  | 12            |

**Sample 2\_Radio 2**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -             |
| 2412MHz                        | 25            |
| 2437MHz                        | 25            |
| 2462MHz                        | 25            |
| 802.11g_Nss1,(6Mbps)_2TX       | -             |
| 2412MHz                        | 22.5          |
| 2417MHz                        | 23.5          |
| 2437MHz                        | 25            |
| 2457MHz                        | 21            |
| 2462MHz                        | 21            |
| VHT20_Nss1,(MCS0)_2TX          | -             |
| 2412MHz                        | 21.5          |
| 2417MHz                        | 23            |
| 2437MHz                        | 25            |
| 2457MHz                        | 21            |
| 2462MHz                        | 21            |
| VHT40_Nss1,(MCS0)_2TX          | -             |
| 2422MHz                        | 20.5          |
| 2427MHz                        | 20.5          |
| 2437MHz                        | 21            |
| 2447MHz                        | 20            |
| 2452MHz                        | 20            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -             |
| 2412MHz                        | 21.5          |
| 2417MHz                        | 23            |
| 2437MHz                        | 25            |
| 2457MHz                        | 21            |
| 2462MHz                        | 21            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -             |
| 2422MHz                        | 20.5          |
| 2427MHz                        | 20.5          |
| 2437MHz                        | 21            |
| 2447MHz                        | 20            |
| 2452MHz                        | 20            |

**Sample 2\_Radio 3**

| Mode                     | Power Setting |
|--------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX | -             |
| 2412MHz                  | 14.5          |
| 2437MHz                  | 14.5          |
| 2462MHz                  | 14.5          |
| 802.11g_Nss1,(6Mbps)_2TX | -             |
| 2412MHz                  | 16.5          |
| 2417MHz                  | 17.5          |
| 2437MHz                  | 21            |
| 2457MHz                  | 19            |
| 2462MHz                  | 17.5          |
| VHT20_Nss1,(MCS0)_2TX    | -             |
| 2412MHz                  | 15.5          |
| 2417MHz                  | 18            |
| 2437MHz                  | 21            |
| 2457MHz                  | 20.5          |
| 2462MHz                  | 17            |
| VHT40_Nss1,(MCS0)_2TX    | -             |
| 2422MHz                  | 12            |
| 2427MHz                  | 14            |
| 2437MHz                  | 17            |
| 2447MHz                  | 16.5          |
| 2452MHz                  | 13            |

**Sample 3\_Radio 2**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -             |
| 2412MHz                        | 18            |
| 2437MHz                        | 14.5          |
| 2462MHz                        | 16            |
| 802.11g_Nss1,(6Mbps)_2TX       | -             |
| 2412MHz                        | 22            |
| 2417MHz                        | 23            |
| 2437MHz                        | 25            |
| 2457MHz                        | 22.5          |
| 2462MHz                        | 21            |
| VHT20_Nss1,(MCS0)_2TX          | -             |
| 2412MHz                        | 21.5          |
| 2417MHz                        | 22.5          |
| 2437MHz                        | 25            |
| 2457MHz                        | 21.5          |
| 2462MHz                        | 19.5          |
| VHT40_Nss1,(MCS0)_2TX          | -             |
| 2422MHz                        | 20.5          |
| 2427MHz                        | 20.5          |
| 2437MHz                        | 21.5          |
| 2447MHz                        | 20.5          |
| 2452MHz                        | 20.5          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -             |
| 2412MHz                        | 21.5          |
| 2417MHz                        | 22.5          |
| 2437MHz                        | 25            |
| 2457MHz                        | 21.5          |
| 2462MHz                        | 19.5          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -             |
| 2422MHz                        | 20.5          |
| 2427MHz                        | 20.5          |
| 2437MHz                        | 21.5          |
| 2447MHz                        | 20.5          |
| 2452MHz                        | 20.5          |

**Sample 3\_Radio 3**

| Mode                     | Power Setting |
|--------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX | -             |
| 2412MHz                  | 17.5          |
| 2417MHz                  | 18            |
| 2437MHz                  | 18.5          |
| 2457MHz                  | 18            |
| 2462MHz                  | 17.5          |
| 802.11g_Nss1,(6Mbps)_2TX | -             |
| 2412MHz                  | 17            |
| 2417MHz                  | 18            |
| 2437MHz                  | 21            |
| 2457MHz                  | 19            |
| 2462MHz                  | 18            |
| VHT20_Nss1,(MCS0)_2TX    | -             |
| 2412MHz                  | 16            |
| 2417MHz                  | 18            |
| 2437MHz                  | 21            |
| 2457MHz                  | 20            |
| 2462MHz                  | 17            |
| VHT40_Nss1,(MCS0)_2TX    | -             |
| 2422MHz                  | 14            |
| 2427MHz                  | 14.5          |
| 2437MHz                  | 18.5          |
| 2447MHz                  | 18            |
| 2452MHz                  | 13.5          |

**Sample 4\_Radio 2**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -             |
| 2412MHz                        | 21            |
| 2437MHz                        | 20            |
| 2462MHz                        | 20            |
| 802.11g_Nss1,(6Mbps)_2TX       | -             |
| 2412MHz                        | 24            |
| 2417MHz                        | 25            |
| 2437MHz                        | 25            |
| 2457MHz                        | 21            |
| 2462MHz                        | 20            |
| VHT20_Nss1,(MCS0)_2TX          | -             |
| 2412MHz                        | 23            |
| 2417MHz                        | 24            |
| 2437MHz                        | 25            |
| 2457MHz                        | 21.5          |
| 2462MHz                        | 17            |
| VHT40_Nss1,(MCS0)_2TX          | -             |
| 2422MHz                        | 20.5          |
| 2427MHz                        | 21.5          |
| 2437MHz                        | 21.5          |
| 2447MHz                        | 21            |
| 2452MHz                        | 18            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -             |
| 2412MHz                        | 23            |
| 2417MHz                        | 24            |
| 2437MHz                        | 25            |
| 2457MHz                        | 21.5          |
| 2462MHz                        | 17            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -             |
| 2422MHz                        | 20.5          |
| 2427MHz                        | 21.5          |
| 2437MHz                        | 21.5          |
| 2447MHz                        | 21            |
| 2452MHz                        | 18            |

**Sample 4\_Radio 3**

| Mode                     | Power Setting |
|--------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX | -             |
| 2412MHz                  | 19.5          |
| 2417MHz                  | 20.5          |
| 2437MHz                  | 21            |
| 2457MHz                  | 19.5          |
| 2462MHz                  | 19            |
| 802.11g_Nss1,(6Mbps)_2TX | -             |
| 2412MHz                  | 16.5          |
| 2417MHz                  | 17.5          |
| 2437MHz                  | 21            |
| 2457MHz                  | 18.5          |
| 2462MHz                  | 17            |
| VHT20_Nss1,(MCS0)_2TX    | -             |
| 2412MHz                  | 17.5          |
| 2417MHz                  | 17.5          |
| 2437MHz                  | 21            |
| 2457MHz                  | 18            |
| 2462MHz                  | 17            |
| VHT40_Nss1,(MCS0)_2TX    | -             |
| 2422MHz                  | 13            |
| 2427MHz                  | 15.5          |
| 2437MHz                  | 17.5          |
| 2447MHz                  | 17.5          |
| 2452MHz                  | 14.5          |

## 2.3 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |                                                          |
|-----------------------------------------------------|----------------------------------------------------------|
| <b>Tests Item</b>                                   | AC power-line conducted emissions                        |
| <b>Condition</b>                                    | AC power-line conducted measurement for line and neutral |
| <b>Operating Mode</b>                               | CTX                                                      |
| 1                                                   | Sample 1 ; Adapter Mode ; Radio 2 Wi-Fi 2.4G             |
| 2                                                   | Sample 1 ; Adapter Mode ; Radio 3 Wi-Fi 2.4G             |
| 3                                                   | Sample 2 ; Adapter Mode ; Radio 2 Wi-Fi 2.4G             |
| 4                                                   | Sample 2 ; Adapter Mode ; Radio 3 Wi-Fi 2.4G             |
| 5                                                   | Sample 3 ; PoE Mode ; Radio 2 Wi-Fi 2.4G                 |
| 6                                                   | Sample 3 ; PoE Mode ; Radio 3 Wi-Fi 2.4G                 |
| 7                                                   | Sample 4 ; PoE Mode ; Radio 2 Wi-Fi 2.4G                 |
| 8                                                   | Sample 4 ; PoE Mode ; Radio 3 Wi-Fi 2.4G                 |

| The Worst Case Mode for Following Conformance Tests |                                                                                                                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | DTS Bandwidth<br>Maximum Conducted Output Power<br>Power Spectral Density<br>Emissions in Non-restricted Frequency Bands |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains                                                                                 |

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |                                                                                     |                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Tests Item                                          | Emissions in Restricted Frequency Bands                                                                                                                                                                                                             |                                                                                     |                                                                                       |
| Test Condition                                      | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |                                                                                     |                                                                                       |
| Operating Mode < 1GHz                               | CTX                                                                                                                                                                                                                                                 |                                                                                     |                                                                                       |
| 1                                                   | Non Beamforming_Indoor_Sample 1_Radio 2_Adapter Mode                                                                                                                                                                                                |                                                                                     |                                                                                       |
| 2                                                   | Non Beamforming_Indoor_Sample 1_Radio 3_Adapter Mode                                                                                                                                                                                                |                                                                                     |                                                                                       |
| 3                                                   | Non Beamforming_Indoor_Sample 2_Radio 2_Adapter Mode                                                                                                                                                                                                |                                                                                     |                                                                                       |
| 4                                                   | Non Beamforming_Indoor_Sample 2_Radio 3_Adapter Mode                                                                                                                                                                                                |                                                                                     |                                                                                       |
| 5                                                   | Non Beamforming_Outdoor_Sample 3_Radio 2_PoE Mode                                                                                                                                                                                                   |                                                                                     |                                                                                       |
| 6                                                   | Non Beamforming_Outdoor_Sample 3_Radio 3_PoE Mode                                                                                                                                                                                                   |                                                                                     |                                                                                       |
| 7                                                   | Non Beamforming_Outdoor_Sample 4_Radio 2_PoE Mode                                                                                                                                                                                                   |                                                                                     |                                                                                       |
| 8                                                   | Non Beamforming_Outdoor_Sample 4_Radio 3_PoE Mode                                                                                                                                                                                                   |                                                                                     |                                                                                       |
| Operating Mode > 1GHz                               | CTX                                                                                                                                                                                                                                                 |                                                                                     |                                                                                       |
| Orthogonal Planes of EUT                            | X Plane                                                                                                                                                                                                                                             | Y Plane                                                                             | Z Plane                                                                               |
|                                                     |                                                                                                                                                                  |  |  |
| Worst Planes of EUT                                 | V                                                                                                                                                                                                                                                   | V                                                                                   | V                                                                                     |

| The Worst Case Mode for Following Conformance Tests                                |                                                         |
|------------------------------------------------------------------------------------|---------------------------------------------------------|
| Tests Item                                                                         | Simultaneous Transmission Analysis                      |
| Operating Mode                                                                     | CTX                                                     |
| 1                                                                                  | 2.4G(Radio 2) + 2.4G(Radio 3) + 5G(Radio 1) + Bluetooth |
| 2                                                                                  | 2.4G(Radio 2) + 5G(Radio 1) + 5G(Radio 3) + Bluetooth   |
| Refer to Sporton Test Report No.: FA9D1735 for Co-location RF Exposure Evaluation. |                                                         |



## 2.4 Accessories

| Accessories                             |            |                         |            |              |
|-----------------------------------------|------------|-------------------------|------------|--------------|
| Bracket ceiling mount<br>(C-230,C-230E) | Brand Name | CEN JEY                 | Model Name | 6301A4653010 |
| Bracket wall mount<br>(O-235,O-235E)    | Brand Name | Xiertek Industrial.Inc, | Model Name | 6301A4093000 |

Reminder: Regarding to more detail and other information, please refer to user manual.

## 2.5 Support Equipment

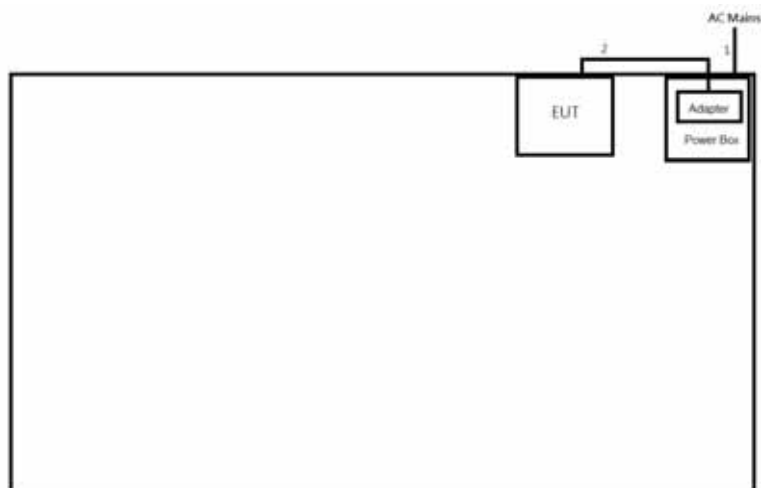
| Support Equipment – AC Conduction and Radiated |                |                             |                 |        |        |
|------------------------------------------------|----------------|-----------------------------|-----------------|--------|--------|
| No.                                            | Equipment      | Brand Name                  | Model Name      | FCC ID | Remark |
| 1                                              | AC Power Cable | MAGIC                       | PS-018          | -      | Note 1 |
| 2                                              | PoE            | EnGenius                    | EPA5006GP       | -      |        |
| 3                                              | USB 2.0 Flash  | Transcend                   | D24425 2101     | -      | -      |
| 4                                              | RJ-45 Cable    | Power Sync                  | CAT-6E-10       | -      | -      |
| 5                                              | Ground Cable   | SPORTON                     | -               | -      | -      |
| 6                                              | AC Adapter     | Powertron Electronics Corp. | PA1045-12HIB330 | -      | Note 1 |

Note 1: Support equipment was provided by customer.

| Support Equipment – Conducted |                |            |            |        |        |
|-------------------------------|----------------|------------|------------|--------|--------|
| No.                           | Equipment      | Brand Name | Model Name | FCC ID | Remark |
| 1                             | Notebook       | DELL       | E5410      | -      | -      |
| 2                             | Adapter for NB | DELL       | HA65NM130  | -      | -      |

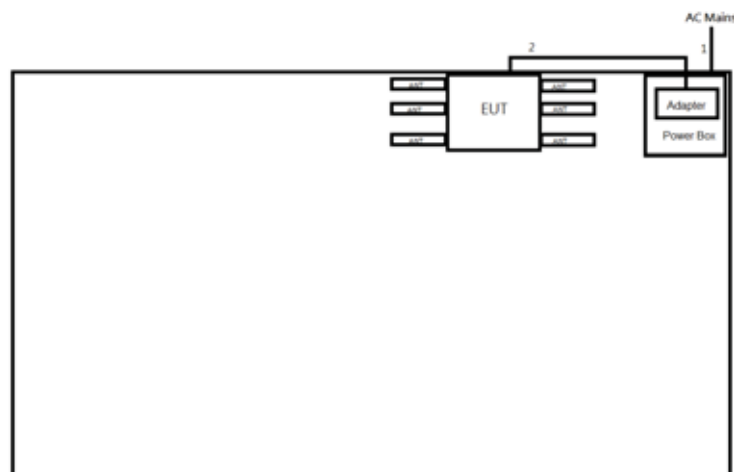
## 2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (Mode 1,2)

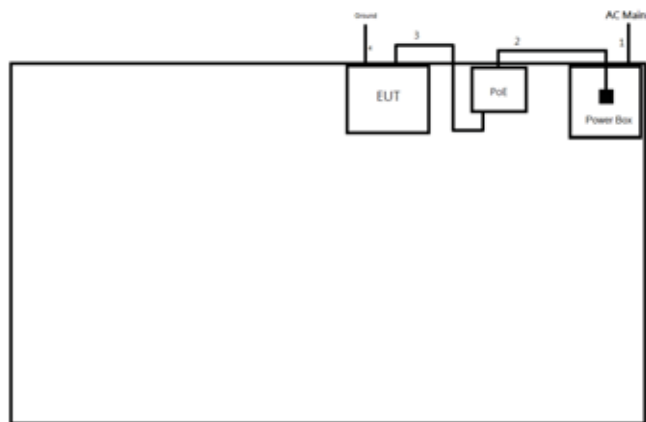


| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 1.2       | -      |
| 2    | DC Power Cable | No       | 1.6       | -      |

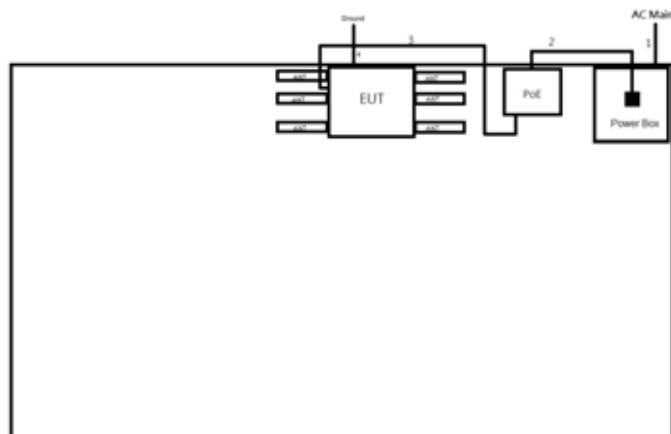
Test Setup Diagram – AC Line Conducted Emission Test (Mode 3,4)



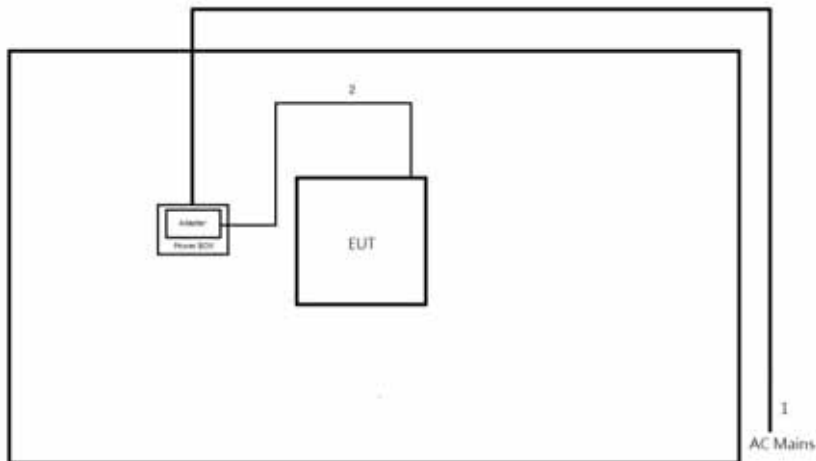
| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 1.2       | -      |
| 2    | DC Power Cable | No       | 1.6       | -      |

**Test Setup Diagram – AC Line Conducted Emission Test (Mode 5,6)**


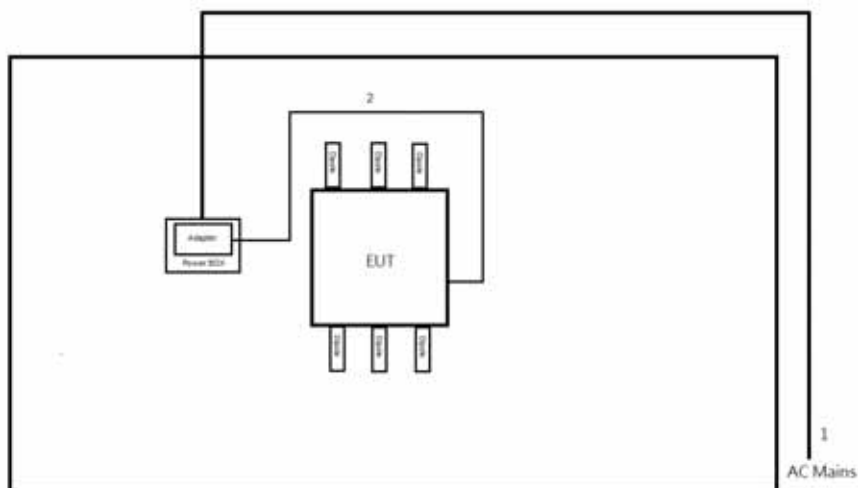
| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 1.2       | -      |
| 2    | AC Power Cable | No       | 0.5       | -      |
| 3    | RJ-45 Cable    | No       | 10.0      | -      |
| 4    | Ground Cable   | No       | 2.0       | -      |

**Test Setup Diagram – AC Line Conducted Emission Test (Mode 7,8)**


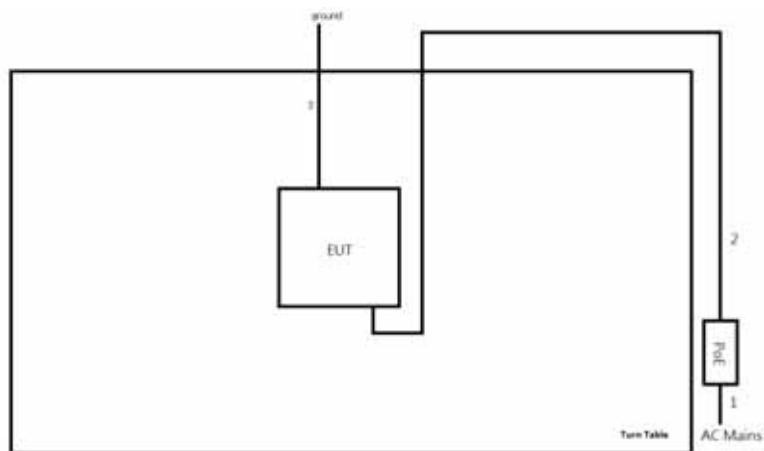
| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 1.2       | -      |
| 2    | AC Power Cable | No       | 0.5       | -      |
| 3    | RJ-45 Cable    | No       | 10.0      | -      |
| 4    | Ground Cable   | No       | 2.0       | -      |

**Test Setup Diagram - Radiated Test (Mode 1,2)**


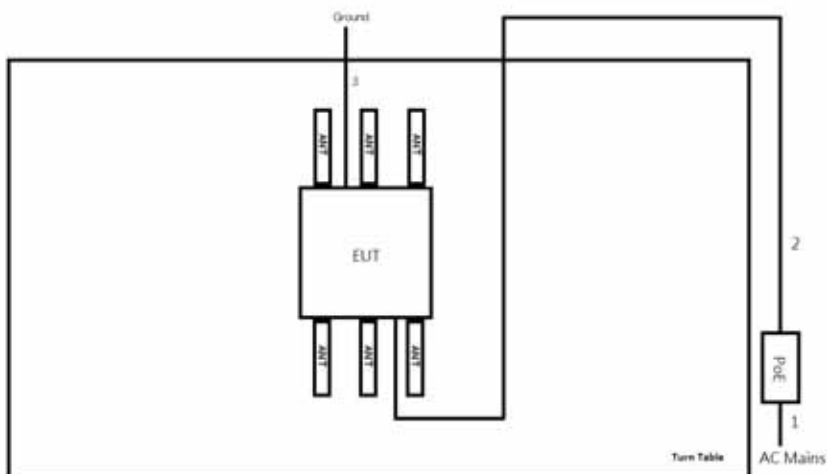
| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 1.8       | -      |
| 2    | DC Power Cable | No       | 1.6       | -      |

**Test Setup Diagram - Radiated Test (Mode 3,4)**


| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 1.8       | -      |
| 2    | DC Power Cable | No       | 1.6       | -      |

**Test Setup Diagram - Radiated Test (Mode 5,6)**


| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 0.5       | -      |
| 2    | RJ45 Cable     | No       | 10.0      | -      |
| 3    | Ground Cable   | No       | 2.0       | -      |

**Test Setup Diagram - Radiated Test (Mode 7,8)**


| Item | Connection     | Shielded | Length(m) | Remark |
|------|----------------|----------|-----------|--------|
| 1    | AC Power Cable | No       | 0.5       | -      |
| 2    | RJ45 Cable     | No       | 10.0      | -      |
| 3    | Ground Cable   | No       | 2.0       | -      |

### 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. |            |           |

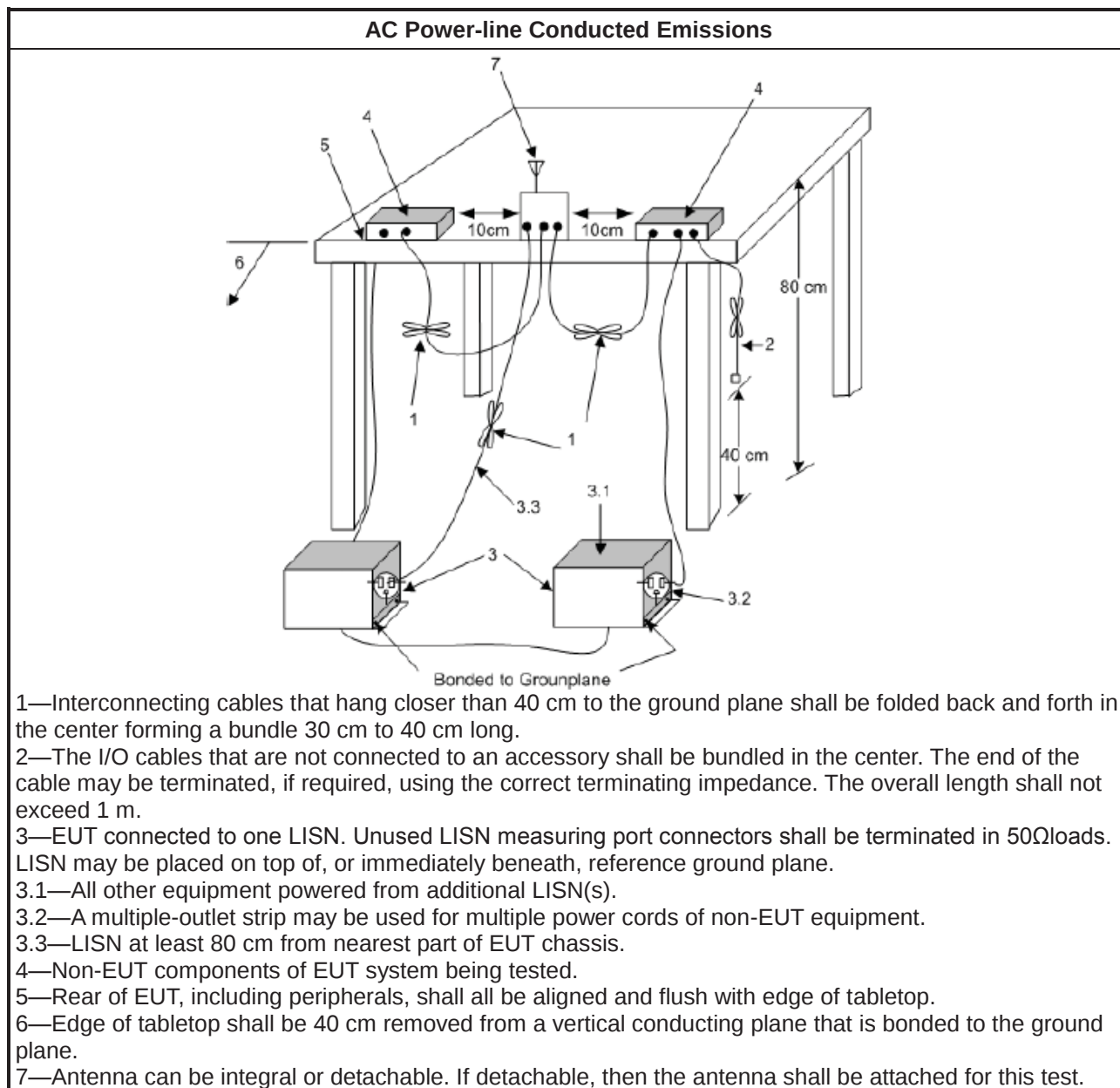
##### 3.1.2 Measuring Instruments

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

Refer as Appendix A

## 3.2 DTS Bandwidth

### 3.2.1 6dB Bandwidth Limit

| 6dB Bandwidth Limit                          |                                |
|----------------------------------------------|--------------------------------|
| Systems using digital modulation techniques: |                                |
| ▪                                            | 6 dB bandwidth $\geq$ 500 kHz. |

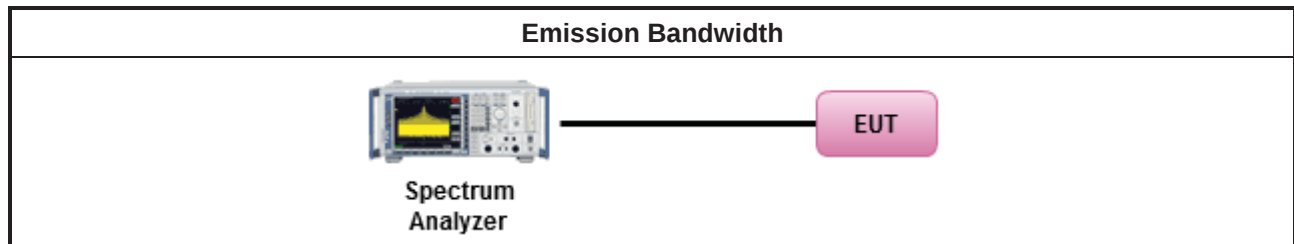
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

| Test Method                         |                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------|
| ▪                                   | For the emission bandwidth shall be measured using one of the options below:     |
| <input checked="" type="checkbox"/> | Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement. |
| <input type="checkbox"/>            | Refer as RSS-Gen, clause 6.7 for for occupied bandwidth testing.                 |
| <input type="checkbox"/>            | Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.               |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                                                                                                              |   |                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------|
|                                                                                                                                                                   | ▪ | If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)                                           |
|                                                                                                                                                                   | ▪ | Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm     |
|                                                                                                                                                                   | ▪ | Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm        |
|                                                                                                                                                                   | ▪ | Smart antenna system (SAS):                                                                        |
|                                                                                                                                                                   | - | Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm                         |
|                                                                                                                                                                   | - | Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm                        |
|                                                                                                                                                                   | - | Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm |
| e.i.r.p. Power Limit:                                                                                                                                             |   |                                                                                                    |
|                                                                                                                                                                   | ▪ | 2400-2483.5 MHz Band                                                                               |
|                                                                                                                                                                   | ▪ | Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)                                    |
|                                                                                                                                                                   | ▪ | Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm               |
|                                                                                                                                                                   | ▪ | Smart antenna system (SAS)                                                                         |
|                                                                                                                                                                   | - | Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm                                  |
|                                                                                                                                                                   | - | Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm                                 |
|                                                                                                                                                                   | - | Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm           |
| $P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. |   |                                                                                                    |

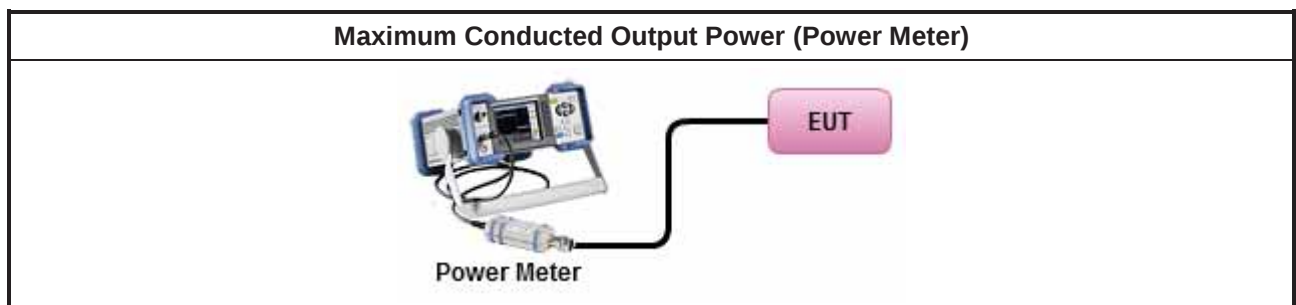
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                        |                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Maximum Peak Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                              |                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method. |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.             |
| <ul style="list-style-type: none"> <li>Maximum Average Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                           |                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.    |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                | Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.          |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                       |                                                                                             |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:<br/>Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul> |                                                                                             |
| <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:<br/> <math display="block">P_{total} = P_1 + P_2 + \dots + P_n</math> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math display="block">EIRP_{total} = P_{total} + DG</math> </li> </ul>                              |                                                                                             |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

| Power Spectral Density Limit |                                                |
|------------------------------|------------------------------------------------|
| ▪                            | Power Spectral Density (PSD) $\leq 8$ dBm/3kHz |

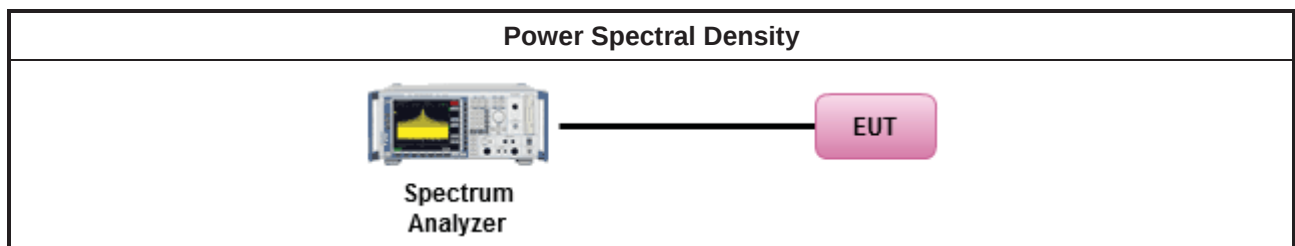
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪                                   | Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).                                                                                                         |
| <input checked="" type="checkbox"/> | Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ▪                                   | For conducted measurement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ▪                                   | If The EUT supports multiple transmit chains using options given below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ▪                                   | Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. |

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

### 3.5 Emissions in Non-restricted Frequency Bands

#### 3.5.1 Emissions in Non-restricted Frequency Bands Limit

| Un-restricted Band Emissions Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| RF output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Limit (dB) |
| Peak output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20         |
| Average output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30         |
| <p>Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level.</p> <p>Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.</p> |            |

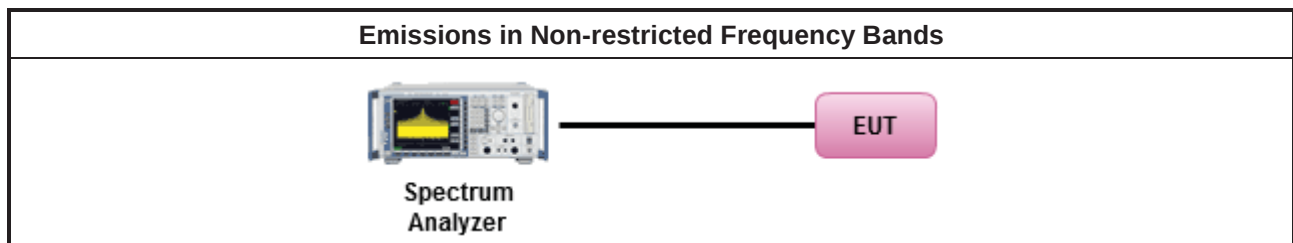
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

| Test Method                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.</li> </ul> |

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

### 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 Emissions in Restricted Frequency Bands Limit

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

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

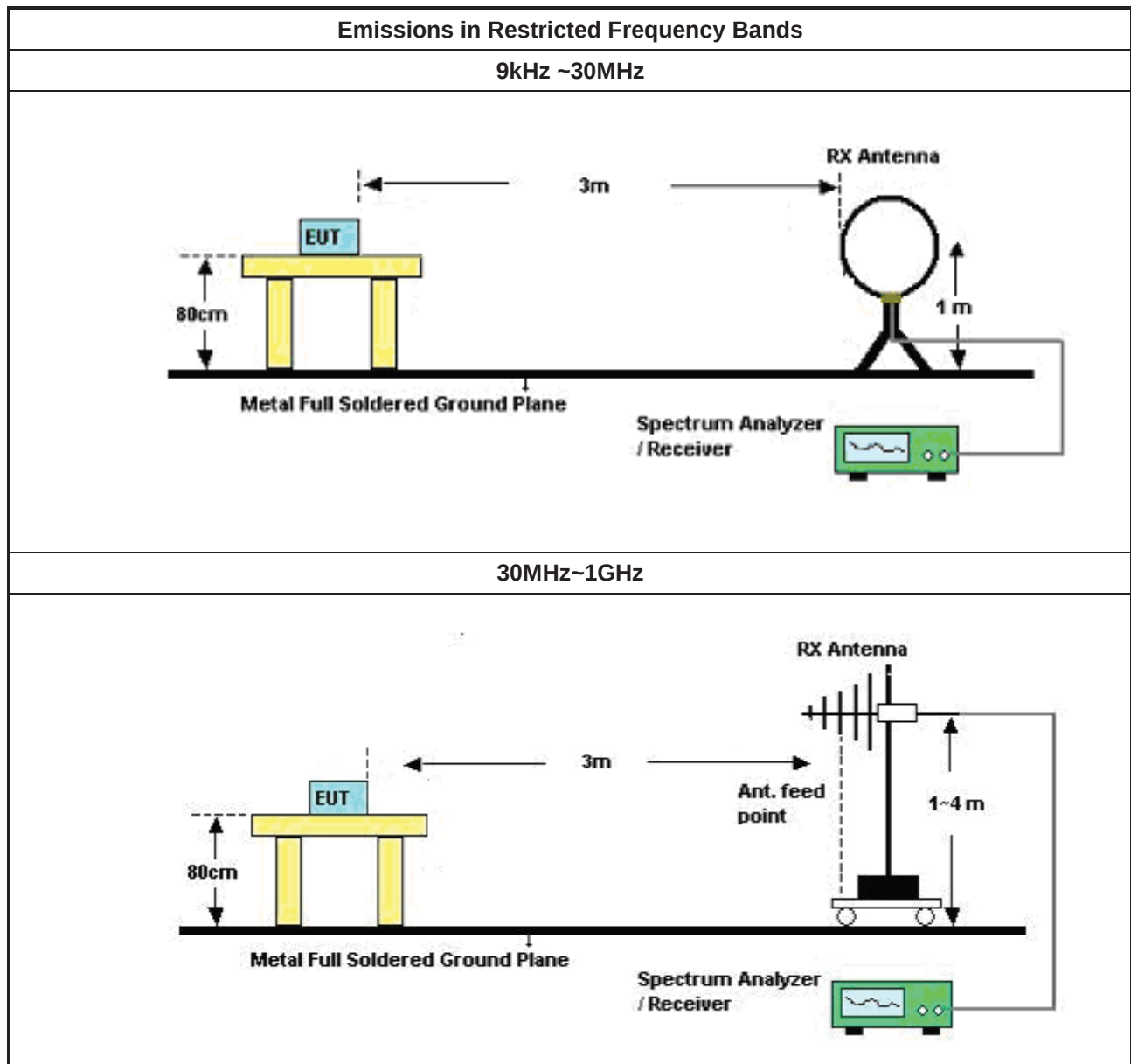
#### 3.6.2 Measuring Instruments

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

**3.6.3 Test Procedures**

| Test Method                                                                                                                                                                 |                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪ The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].                                                                                   |                                                                                                                                                                                                                |
| ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. |                                                                                                                                                                                                                |
| ▪ For the transmitter unwanted emissions shall be measured using following options below:                                                                                   |                                                                                                                                                                                                                |
| ▪                                                                                                                                                                           | Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.                                                                                                                         |
| ▪ For the transmitter band-edge emissions shall be measured using following options below:                                                                                  |                                                                                                                                                                                                                |
| ▪                                                                                                                                                                           | Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below. |
| ▪                                                                                                                                                                           | Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.                                                                                                  |
| ▪                                                                                                                                                                           | Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.                                                                             |
| ▪ Use the following spectrum analyzer settings:                                                                                                                             |                                                                                                                                                                                                                |
| ▪                                                                                                                                                                           | Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.                                                                                                        |
| ▪                                                                                                                                                                           | Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.<br>For average measurement, refer as 1.1.4.                                                                                                |
| ▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.                                                                                                   |                                                                                                                                                                                                                |
| ▪                                                                                                                                                                           | Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.          |
| ▪                                                                                                                                                                           | Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.                                                                             |

### 3.6.4 Test Setup





The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

### 3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

| Instrument                           | Manufacturer | Model No.   | Serial No. | Spec.               | Calibration Date | Calibration Due Date |
|--------------------------------------|--------------|-------------|------------|---------------------|------------------|----------------------|
| EMC Receiver                         | R&S          | ESR3        | 102052     | 9kHz ~ 3.6GHz       | 09/Apr/2019      | 08/Apr/2020          |
| LISN                                 | R&S          | ENV216      | 101295     | 9kHz ~ 30MHz        | 04/Nov/2019      | 05/Nov/2020          |
| RF Cable-CON                         | MTJ          | RG142       | CB002-CO   | 9kHz ~ 200MHz       | 12/Sep/2019      | 11/Sep/2020          |
| AC POWER                             | APC          | AFC-11005G  | F310050055 | 47Hz~63Hz<br>5~300V | NCR              | NCR                  |
| Impuls<br>Begrenzer<br>Pulse Limiter | SCHWARZBECK  | VTSD 9561-F | 9561-F041  | 9 kHz ~ 30 MHz      | 24/Sep/2019      | 23/Sep/2020          |

NCR: Non-Calibration Require

### Instrument for Conducted Test

| Instrument                  | Manufacturer | Model No. | Serial No. | Spec.          | Calibration Date | Calibration Due Date |
|-----------------------------|--------------|-----------|------------|----------------|------------------|----------------------|
| Spectrum Analyzer           | R&S          | FSV 40    | 101015     | 10Hz~40GHz     | 15/Feb/2020      | 14/Feb/2021          |
| Spectrum Analyzer           | R&S          | FSV 40    | 101013     | 10Hz~40GHz     | 19/Mar/2020      | 18/Mar/2021          |
| Pulse Power Sensor          | Anritsu      | MA2411B   | 0917017    | 300MHz ~ 40GHz | 17/Feb/2020      | 16/Feb/2021          |
| Power Meter                 | Anritsu      | ML2495A   | 0949003    | 300MHz ~ 40GHz | 17/Feb/2020      | 16/Feb/2021          |
| SMB100A<br>Signal Generator | R&S          | SMB100A03 | 181147     | 100kHz~40GHz   | 12/Nov/2018      | 10/Nov/2020          |

**Instrument for Radiated Test**

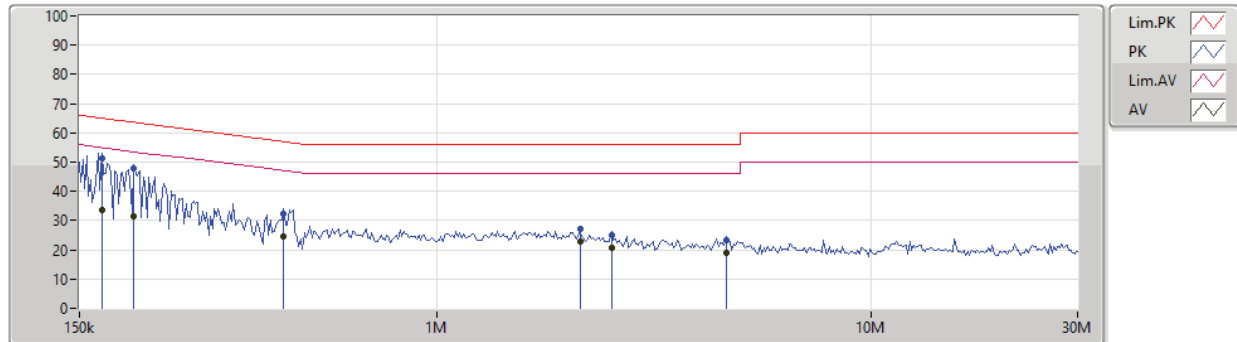
| Instrument                       | Manufacturer    | Model No.                 | Serial No.               | Spec.              | Calibration Date | Calibration Due Date |
|----------------------------------|-----------------|---------------------------|--------------------------|--------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA  | SAC-3M                    | 03CH02-HY                | 30MHz ~ 1GHz<br>3m | 29/Aug/2019      | 28/Aug/2020          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA  | SAC-3M                    | 03CH02-HY                | 1GHz ~ 18GHz<br>3m | 29/Aug/2019      | 28/Aug/2020          |
| Amplifier                        | Agilent         | 8447D                     | 2944A11149               | 100kHz ~ 1.3GHz    | 02/Jul/2019      | 01/Jul/2020          |
| Microwave Preamplifier           | Agilent         | 8449B                     | 3008A02373               | 1GHz ~ 26.5GHz     | 16/Oct/2019      | 15/Oct/2020          |
| Microwave Preamplifier           | EMC INSTRUMENT  | EMC051845BE               | 980241                   | 1 GHz ~ 18 GHz     | 21/May/2019      | 20/May/2020          |
| Spectrum Analyzer                | Rohde & Schwarz | FSP40                     | 100593                   | 9kHz - 40GHz       | 27/Feb/2020      | 26/Feb/2021          |
| EMI Test Receiver                | R&S             | ESR3                      | 102051                   | 9kHz ~ 3.6GHz      | 28/May/2019      | 27/May/2020          |
| RF Cable-R03m                    | Jye Bao         | RG142                     | CB017                    | 9kHz ~ 1GHz        | 26/Mar/2019      | 25/Mar/2020          |
| RF Cable-R03m                    | Jye Bao         | RG142                     | CB017                    | 9kHz ~ 1GHz        | 21/Mar/2020      | 20/Mar/2021          |
| RF Cable-high 6m                 | SUHNER          | SUCOFLEX104               | 10567868 /<br>SN805193/4 | 1GHz~40GHz         | 09/Apr/2019      | 08/Apr/2020          |
| RF Cable-high 7m                 | SUHNER          | SUCOFLEX104               | 10567868 /<br>SN805192/4 | 1GHz~40GHz         | 09/Apr/2019      | 08/Apr/2020          |
| RF Cable-high 6m                 | SUHNER          | SUCOFLEX104               | 10567868 /<br>SN805193/4 | 1GHz~40GHz         | 03/Apr/2020      | 02/Apr/2021          |
| RF Cable-high 7m                 | SUHNER          | SUCOFLEX104               | 10567868 /<br>SN805192/4 | 1GHz~40GHz         | 03/Apr/2020      | 02/Apr/2021          |
| Bilog Antenna & 5dB Attenuator   | SCHAFFNER / MTJ | CBL 6112B /<br>MTJ6102-05 | 2723 / 2                 | 30MHz ~ 1GHz       | 28/Feb/2020      | 27/Feb/2021          |
| Broadband Horn Antenna           | SCHWARZBECK     | BBHA 9170                 | BBHA9170339              | 18GHz ~ 40GHz      | 19/Apr/2019      | 18/Apr/2020          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK     | BBHA 9120 D               | BBHA 9120 D<br>01543     | 1GHz ~ 18GHz       | 03/Jun/2019      | 02/Jun/2020          |
| Broadband Horn Antenna           | SCHWARZBECK     | BBHA 9170                 | BBHA 9170221             | 18GHz~40GHz        | 13/Mar/2020      | 12/Mar/2021          |
| Preamplifier                     | MITEQ           | TTA1840-35-HG             | 1864481                  | 18GHz~40GHz        | 10/Mar/2020      | 09/Mar/2021          |
| Preamplifier                     | MITEQ           | TTA1840-35-HG             | 1864481                  | 18GHz ~ 40GHz      | 05/Aug/2019      | 04/Aug/2020          |
| Loop Antenna                     | TESEQ           | HLA 6120                  | 31244                    | 9k-30MHz           | 16/Mar/2020      | 15/Mar/2021          |
| Loop Antenna                     | TESEQ           | HLA 6120                  | 24155                    | 9k-30MHz           | 29/Mar/2019      | 28/Mar/2020          |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |         |
|--------------------|-------------------------------------------------|-------------|---------|
| Operating Mode     | 1                                               | Power Phase | Neutral |
| Operating Function | Sample 1 ; Adapter Mode ; Radio 2 Wi-Fi 2.4G TX |             |         |

18/03/2020



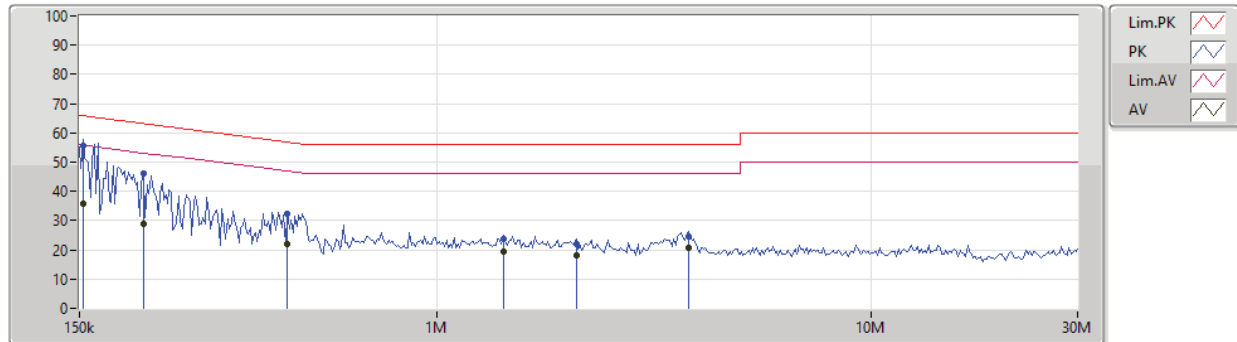
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 169.024k     | 51.43           | 65.01           | -13.58         | 19.63          | Neutral   | "Worst" | 31.80         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 169.024k     | 33.62           | 55.01           | -21.39         | 19.63          | Neutral   | -       | 13.99         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 200.176k     | 47.84           | 63.61           | -15.77         | 19.62          | Neutral   | -       | 28.22         | 9.64         | 0.11       | 9.87       |  |  |  |
| AV   | 200.176k     | 31.68           | 53.61           | -21.93         | 19.62          | Neutral   | -       | 12.06         | 9.64         | 0.11       | 9.87       |  |  |  |
| QP   | 443.732k     | 32.45           | 56.99           | -24.54         | 19.63          | Neutral   | -       | 12.82         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 443.732k     | 24.41           | 46.99           | -22.58         | 19.63          | Neutral   | -       | 4.78          | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 2.137M       | 26.94           | 56.00           | -29.06         | 19.67          | Neutral   | -       | 7.27          | 9.65         | 0.15       | 9.87       |  |  |  |
| AV   | 2.137M       | 22.71           | 46.00           | -23.29         | 19.67          | Neutral   | -       | 3.04          | 9.65         | 0.15       | 9.87       |  |  |  |
| QP   | 2.531M       | 24.85           | 56.00           | -31.15         | 19.68          | Neutral   | -       | 5.17          | 9.65         | 0.16       | 9.87       |  |  |  |
| AV   | 2.531M       | 20.63           | 46.00           | -25.37         | 19.68          | Neutral   | -       | 0.95          | 9.65         | 0.16       | 9.87       |  |  |  |
| QP   | 4.645M       | 23.26           | 56.00           | -32.74         | 19.75          | Neutral   | -       | 3.51          | 9.67         | 0.20       | 9.88       |  |  |  |
| AV   | 4.645M       | 19.10           | 46.00           | -26.90         | 19.75          | Neutral   | -       | -0.65         | 9.67         | 0.20       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |      |
|--------------------|-------------------------------------------------|-------------|------|
| Operating Mode     | 1                                               | Power Phase | Line |
| Operating Function | Sample 1 ; Adapter Mode ; Radio 2 Wi-Fi 2.4G TX |             |      |

18/03/2020



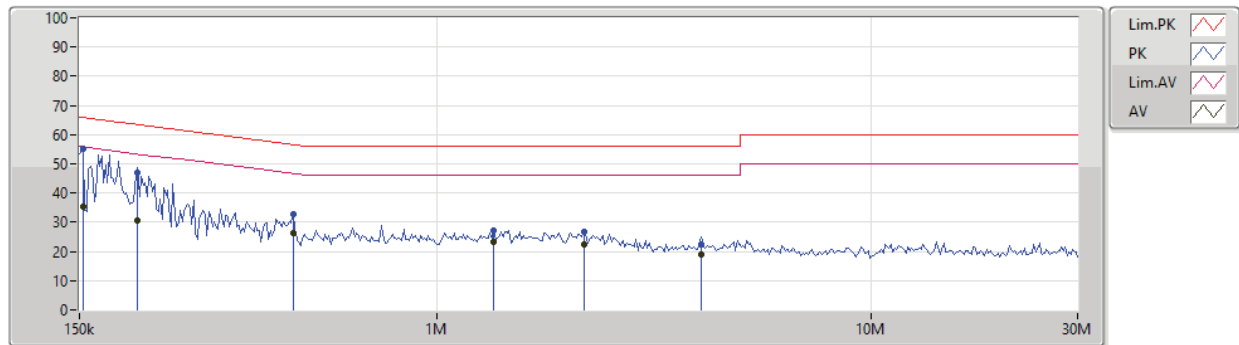
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 153.015k     | 55.69           | 65.83           | -10.14         | 19.64          | Line      | "Worst" | 36.05         | 9.66         | 0.11       | 9.87       |  |  |  |
| AV   | 153.015k     | 35.91           | 55.83           | -19.92         | 19.64          | Line      | -       | 16.27         | 9.66         | 0.11       | 9.87       |  |  |  |
| QP   | 210.387k     | 46.09           | 63.19           | -17.10         | 19.63          | Line      | -       | 26.46         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 210.387k     | 29.08           | 53.19           | -24.11         | 19.63          | Line      | -       | 9.45          | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 452.651k     | 32.12           | 56.82           | -24.70         | 19.64          | Line      | -       | 12.48         | 9.64         | 0.13       | 9.87       |  |  |  |
| AV   | 452.651k     | 21.90           | 46.82           | -24.92         | 19.64          | Line      | -       | 2.26          | 9.64         | 0.13       | 9.87       |  |  |  |
| QP   | 1.421M       | 23.67           | 56.00           | -32.33         | 19.65          | Line      | -       | 4.02          | 9.65         | 0.13       | 9.87       |  |  |  |
| AV   | 1.421M       | 19.56           | 46.00           | -26.44         | 19.65          | Line      | -       | -0.09         | 9.65         | 0.13       | 9.87       |  |  |  |
| QP   | 2.095M       | 22.13           | 56.00           | -33.87         | 19.67          | Line      | -       | 2.46          | 9.65         | 0.15       | 9.87       |  |  |  |
| AV   | 2.095M       | 18.27           | 46.00           | -27.73         | 19.67          | Line      | -       | -1.40         | 9.65         | 0.15       | 9.87       |  |  |  |
| QP   | 3.807M       | 24.76           | 56.00           | -31.24         | 19.72          | Line      | -       | 5.04          | 9.66         | 0.18       | 9.88       |  |  |  |
| AV   | 3.807M       | 20.56           | 46.00           | -25.44         | 19.72          | Line      | -       | 0.84          | 9.66         | 0.18       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |         |
|--------------------|-------------------------------------------------|-------------|---------|
| Operating Mode     | 2                                               | Power Phase | Neutral |
| Operating Function | Sample 1 ; Adapter Mode ; Radio 3 Wi-Fi 2.4G TX |             |         |

18/03/2020



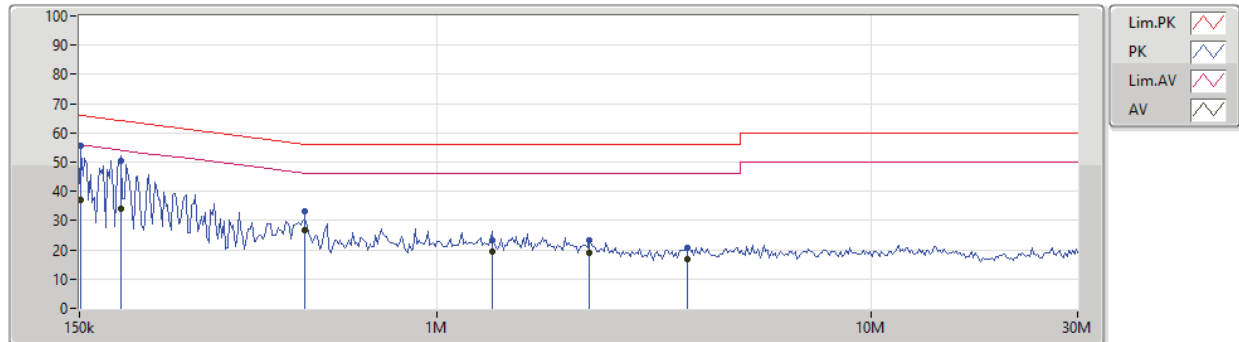
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 153.015k     | 55.25           | 65.83           | -10.58         | 19.63          | Neutral   | "Worst" | 35.62         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 153.015k     | 35.42           | 55.83           | -20.41         | 19.63          | Neutral   | -       | 15.79         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 204.199k     | 47.15           | 63.44           | -16.29         | 19.62          | Neutral   | -       | 27.53         | 9.64         | 0.11       | 9.87       |  |  |  |
| AV   | 204.199k     | 30.81           | 53.44           | -22.63         | 19.62          | Neutral   | -       | 11.19         | 9.64         | 0.11       | 9.87       |  |  |  |
| QP   | 466.367k     | 32.72           | 56.57           | -23.85         | 19.63          | Neutral   | -       | 13.09         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 466.367k     | 26.50           | 46.57           | -20.07         | 19.63          | Neutral   | -       | 6.87          | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 1.352M       | 27.14           | 56.00           | -28.86         | 19.65          | Neutral   | -       | 7.49          | 9.64         | 0.13       | 9.88       |  |  |  |
| AV   | 1.352M       | 23.24           | 46.00           | -22.76         | 19.65          | Neutral   | -       | 3.59          | 9.64         | 0.13       | 9.88       |  |  |  |
| QP   | 2.18M        | 26.84           | 56.00           | -29.16         | 19.67          | Neutral   | -       | 7.17          | 9.65         | 0.15       | 9.87       |  |  |  |
| AV   | 2.18M        | 22.23           | 46.00           | -23.77         | 19.67          | Neutral   | -       | 2.56          | 9.65         | 0.15       | 9.87       |  |  |  |
| QP   | 4.081M       | 22.51           | 56.00           | -33.49         | 19.73          | Neutral   | -       | 2.78          | 9.66         | 0.19       | 9.88       |  |  |  |
| AV   | 4.081M       | 18.78           | 46.00           | -27.22         | 19.73          | Neutral   | -       | -0.95         | 9.66         | 0.19       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |      |
|--------------------|-------------------------------------------------|-------------|------|
| Operating Mode     | 2                                               | Power Phase | Line |
| Operating Function | Sample 1 ; Adapter Mode ; Radio 3 Wi-Fi 2.4G TX |             |      |

18/03/2020



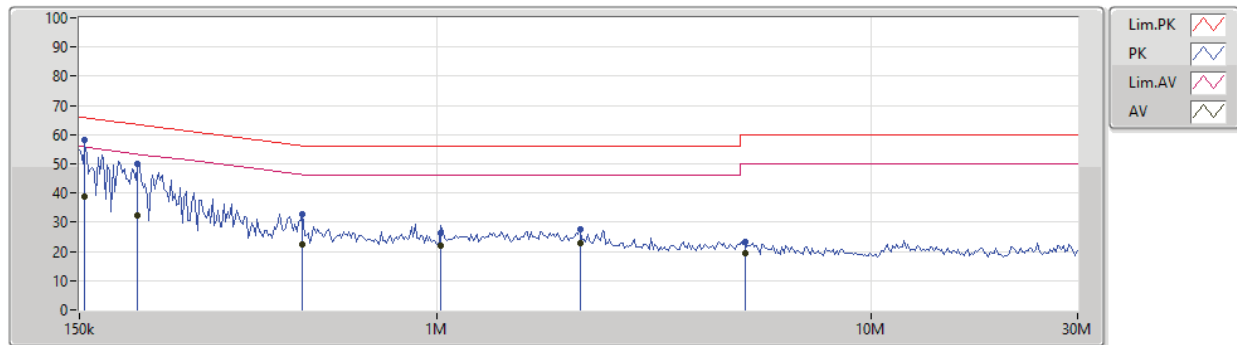
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 151.5k       | 55.72           | 65.92           | -10.20         | 19.64          | Line      | "Worst" | 36.08         | 9.66         | 0.11       | 9.87       |  |  |  |
| AV   | 151.5k       | 37.05           | 55.92           | -18.87         | 19.64          | Line      | -       | 17.41         | 9.66         | 0.11       | 9.87       |  |  |  |
| QP   | 186.707k     | 50.25           | 64.18           | -13.93         | 19.63          | Line      | -       | 30.62         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 186.707k     | 33.91           | 54.18           | -20.27         | 19.63          | Line      | -       | 14.28         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 495.058k     | 33.02           | 56.08           | -23.06         | 19.64          | Line      | -       | 13.38         | 9.64         | 0.13       | 9.87       |  |  |  |
| AV   | 495.058k     | 26.71           | 46.08           | -19.37         | 19.64          | Line      | -       | 7.07          | 9.64         | 0.13       | 9.87       |  |  |  |
| QP   | 1.339M       | 23.33           | 56.00           | -32.67         | 19.65          | Line      | -       | 3.68          | 9.64         | 0.13       | 9.88       |  |  |  |
| AV   | 1.339M       | 19.33           | 46.00           | -26.67         | 19.65          | Line      | -       | -0.32         | 9.64         | 0.13       | 9.88       |  |  |  |
| QP   | 2.246M       | 23.12           | 56.00           | -32.88         | 19.68          | Line      | -       | 3.44          | 9.65         | 0.16       | 9.87       |  |  |  |
| AV   | 2.246M       | 19.11           | 46.00           | -26.89         | 19.68          | Line      | -       | -0.57         | 9.65         | 0.16       | 9.87       |  |  |  |
| QP   | 3.769M       | 20.50           | 56.00           | -35.50         | 19.72          | Line      | -       | 0.78          | 9.66         | 0.18       | 9.88       |  |  |  |
| AV   | 3.769M       | 17.02           | 46.00           | -28.98         | 19.72          | Line      | -       | -2.70         | 9.66         | 0.18       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |         |
|--------------------|-------------------------------------------------|-------------|---------|
| Operating Mode     | 3                                               | Power Phase | Neutral |
| Operating Function | Sample 2 ; Adapter Mode ; Radio 2 Wi-Fi 2.4G TX |             |         |

18/03/2020



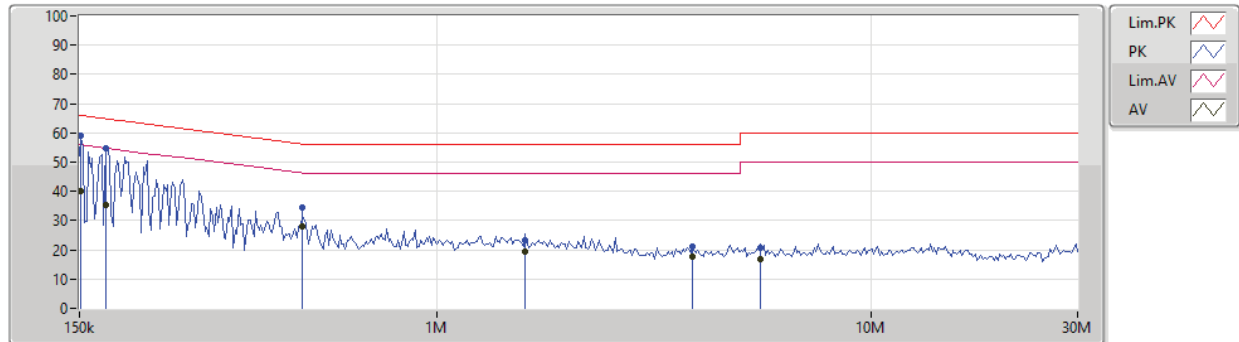
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 154.545k     | 58.01           | 65.75           | -7.74          | 19.63          | Neutral   | "Worst" | 38.38         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 154.545k     | 38.79           | 55.75           | -16.96         | 19.63          | Neutral   | -       | 19.16         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 204.199k     | 49.95           | 63.44           | -13.49         | 19.62          | Neutral   | -       | 30.33         | 9.64         | 0.11       | 9.87       |  |  |  |
| AV   | 204.199k     | 32.28           | 53.44           | -21.16         | 19.62          | Neutral   | -       | 12.66         | 9.64         | 0.11       | 9.87       |  |  |  |
| QP   | 490.156k     | 32.59           | 56.17           | -23.58         | 19.63          | Neutral   | -       | 12.96         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 490.156k     | 22.44           | 46.17           | -23.73         | 19.63          | Neutral   | -       | 2.81          | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 1.024M       | 26.43           | 56.00           | -29.57         | 19.62          | Neutral   | -       | 6.81          | 9.63         | 0.11       | 9.88       |  |  |  |
| AV   | 1.024M       | 21.91           | 46.00           | -24.09         | 19.62          | Neutral   | -       | 2.29          | 9.63         | 0.11       | 9.88       |  |  |  |
| QP   | 2.137M       | 27.39           | 56.00           | -28.61         | 19.67          | Neutral   | -       | 7.72          | 9.65         | 0.15       | 9.87       |  |  |  |
| AV   | 2.137M       | 22.63           | 46.00           | -23.37         | 19.67          | Neutral   | -       | 2.96          | 9.65         | 0.15       | 9.87       |  |  |  |
| QP   | 5.131M       | 23.38           | 60.00           | -36.62         | 19.75          | Neutral   | -       | 3.63          | 9.67         | 0.20       | 9.88       |  |  |  |
| AV   | 5.131M       | 19.34           | 50.00           | -30.66         | 19.75          | Neutral   | -       | -0.41         | 9.67         | 0.20       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |      |
|--------------------|-------------------------------------------------|-------------|------|
| Operating Mode     | 3                                               | Power Phase | Line |
| Operating Function | Sample 2 ; Adapter Mode ; Radio 2 Wi-Fi 2.4G TX |             |      |

18/03/2020



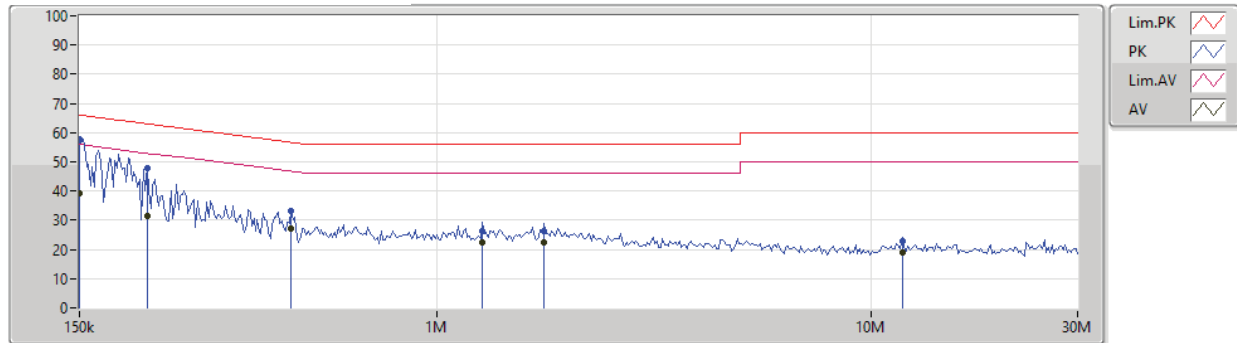
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 151.5k       | 58.91           | 65.92           | -7.01          | 19.64          | Line      | "Worst" | 39.27         | 9.66         | 0.11       | 9.87       |  |  |  |
| AV   | 151.5k       | 40.13           | 55.92           | -15.79         | 19.64          | Line      | -       | 20.49         | 9.66         | 0.11       | 9.87       |  |  |  |
| QP   | 172.421k     | 54.67           | 64.83           | -10.16         | 19.64          | Line      | -       | 35.03         | 9.66         | 0.11       | 9.87       |  |  |  |
| AV   | 172.421k     | 35.20           | 54.83           | -19.63         | 19.64          | Line      | -       | 15.56         | 9.66         | 0.11       | 9.87       |  |  |  |
| QP   | 490.156k     | 34.55           | 56.17           | -21.62         | 19.64          | Line      | -       | 14.91         | 9.64         | 0.13       | 9.87       |  |  |  |
| AV   | 490.156k     | 28.03           | 46.17           | -18.14         | 19.64          | Line      | -       | 8.39          | 9.64         | 0.13       | 9.87       |  |  |  |
| QP   | 1.602M       | 23.13           | 56.00           | -32.87         | 19.66          | Line      | -       | 3.47          | 9.65         | 0.14       | 9.87       |  |  |  |
| AV   | 1.602M       | 19.34           | 46.00           | -26.66         | 19.66          | Line      | -       | -0.32         | 9.65         | 0.14       | 9.87       |  |  |  |
| QP   | 3.883M       | 21.30           | 56.00           | -34.70         | 19.73          | Line      | -       | 1.57          | 9.66         | 0.19       | 9.88       |  |  |  |
| AV   | 3.883M       | 17.65           | 46.00           | -28.35         | 19.73          | Line      | -       | -2.08         | 9.66         | 0.19       | 9.88       |  |  |  |
| QP   | 5.556M       | 20.77           | 60.00           | -39.23         | 19.76          | Line      | -       | 1.01          | 9.67         | 0.21       | 9.88       |  |  |  |
| AV   | 5.556M       | 16.94           | 50.00           | -33.06         | 19.76          | Line      | -       | -2.82         | 9.67         | 0.21       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |         |
|--------------------|-------------------------------------------------|-------------|---------|
| Operating Mode     | 4                                               | Power Phase | Neutral |
| Operating Function | Sample 2 ; Adapter Mode ; Radio 3 Wi-Fi 2.4G TX |             |         |

18/03/2020



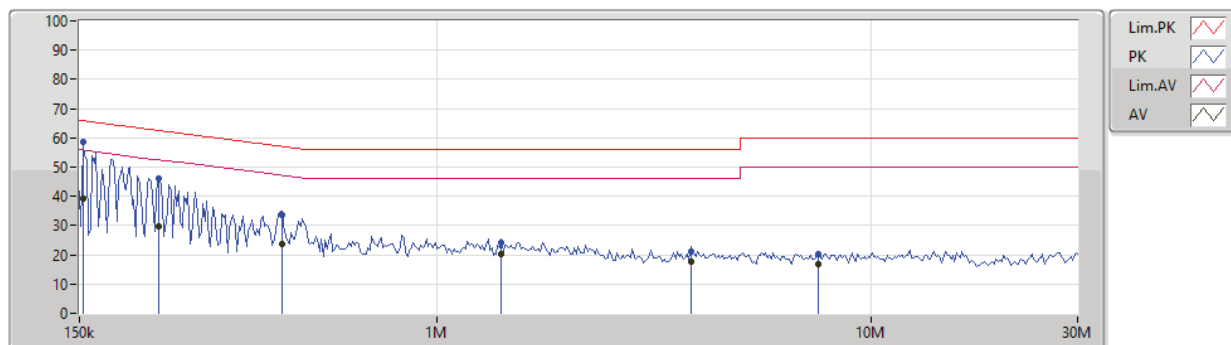
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 150k         | 57.96           | 66.00           | -8.04          | 19.63          | Neutral   | "Worst" | 38.33         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 150k         | 39.13           | 56.00           | -16.87         | 19.63          | Neutral   | -       | 19.50         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 214.615k     | 47.89           | 63.02           | -15.13         | 19.62          | Neutral   | -       | 28.27         | 9.64         | 0.11       | 9.87       |  |  |  |
| AV   | 214.615k     | 31.64           | 53.02           | -21.38         | 19.62          | Neutral   | -       | 12.02         | 9.64         | 0.11       | 9.87       |  |  |  |
| QP   | 461.75k      | 33.18           | 56.67           | -23.49         | 19.63          | Neutral   | -       | 13.55         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 461.75k      | 27.08           | 46.67           | -19.59         | 19.63          | Neutral   | -       | 7.45          | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 1.274M       | 26.44           | 56.00           | -29.56         | 19.64          | Neutral   | -       | 6.80          | 9.64         | 0.12       | 9.88       |  |  |  |
| AV   | 1.274M       | 22.26           | 46.00           | -23.74         | 19.64          | Neutral   | -       | 2.62          | 9.64         | 0.12       | 9.88       |  |  |  |
| QP   | 1.769M       | 26.49           | 56.00           | -29.51         | 19.66          | Neutral   | -       | 6.83          | 9.65         | 0.14       | 9.87       |  |  |  |
| AV   | 1.769M       | 22.50           | 46.00           | -23.50         | 19.66          | Neutral   | -       | 2.84          | 9.65         | 0.14       | 9.87       |  |  |  |
| QP   | 11.835M      | 22.90           | 60.00           | -37.10         | 19.87          | Neutral   | -       | 3.03          | 9.70         | 0.29       | 9.88       |  |  |  |
| AV   | 11.835M      | 18.99           | 50.00           | -31.01         | 19.87          | Neutral   | -       | -0.88         | 9.70         | 0.29       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                                 |             |      |
|--------------------|-------------------------------------------------|-------------|------|
| Operating Mode     | 4                                               | Power Phase | Line |
| Operating Function | Sample 2 ; Adapter Mode ; Radio 3 Wi-Fi 2.4G TX |             |      |

18/03/2020



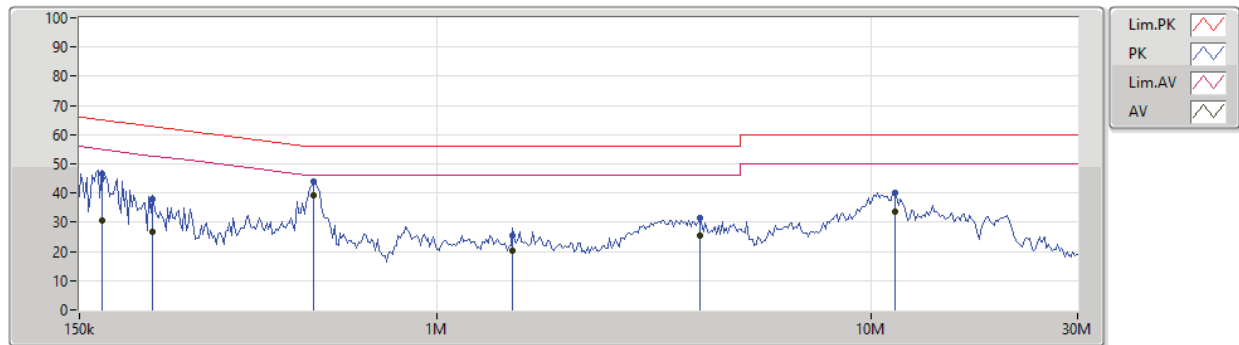
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 153.015k     | 58.48           | 65.83           | -7.35          | 19.64          | Line      | "Worst" | 38.84         | 9.66         | 0.11       | 9.87       |  |  |  |
| AV   | 153.015k     | 39.24           | 55.83           | -16.59         | 19.64          | Line      | -       | 19.60         | 9.66         | 0.11       | 9.87       |  |  |  |
| QP   | 227.818k     | 46.13           | 62.52           | -16.39         | 19.64          | Line      | -       | 26.49         | 9.65         | 0.12       | 9.87       |  |  |  |
| AV   | 227.818k     | 29.91           | 52.52           | -22.61         | 19.64          | Line      | -       | 10.27         | 9.65         | 0.12       | 9.87       |  |  |  |
| QP   | 439.339k     | 33.46           | 57.07           | -23.61         | 19.64          | Line      | -       | 13.82         | 9.64         | 0.13       | 9.87       |  |  |  |
| AV   | 439.339k     | 23.73           | 47.07           | -23.34         | 19.64          | Line      | -       | 4.09          | 9.64         | 0.13       | 9.87       |  |  |  |
| QP   | 1.407M       | 23.93           | 56.00           | -32.07         | 19.65          | Line      | -       | 4.28          | 9.64         | 0.13       | 9.88       |  |  |  |
| AV   | 1.407M       | 20.11           | 46.00           | -25.89         | 19.65          | Line      | -       | 0.46          | 9.64         | 0.13       | 9.88       |  |  |  |
| QP   | 3.845M       | 21.08           | 56.00           | -34.92         | 19.73          | Line      | -       | 1.35          | 9.66         | 0.19       | 9.88       |  |  |  |
| AV   | 3.845M       | 17.68           | 46.00           | -28.32         | 19.73          | Line      | -       | -2.05         | 9.66         | 0.19       | 9.88       |  |  |  |
| QP   | 7.563M       | 20.06           | 60.00           | -39.94         | 19.80          | Line      | -       | 0.26          | 9.68         | 0.24       | 9.88       |  |  |  |
| AV   | 7.563M       | 16.90           | 50.00           | -33.10         | 19.80          | Line      | -       | -2.90         | 9.68         | 0.24       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                             |             |         |
|--------------------|---------------------------------------------|-------------|---------|
| Operating Mode     | 5                                           | Power Phase | Neutral |
| Operating Function | Sample 3 ; PoE Mode ; Radio 2 Wi-Fi 2.4G TX |             |         |

06/04/2020



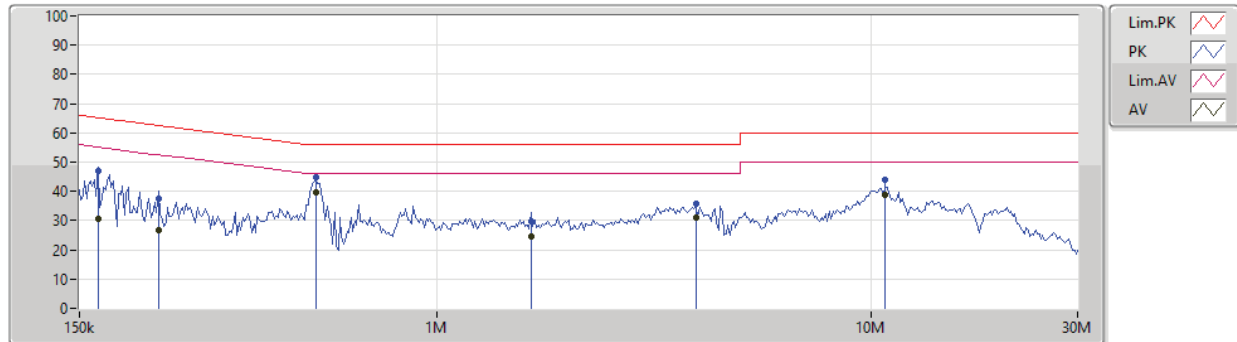
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 169.024k     | 46.34           | 65.01           | -18.67         | 19.63          | Neutral   | -       | 26.71         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 169.024k     | 30.80           | 55.01           | -24.21         | 19.63          | Neutral   | -       | 11.17         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 221.118k     | 37.79           | 62.77           | -24.98         | 19.62          | Neutral   | -       | 18.17         | 9.64         | 0.11       | 9.87       |  |  |  |
| AV   | 221.118k     | 26.54           | 52.77           | -26.23         | 19.62          | Neutral   | -       | 6.92          | 9.64         | 0.11       | 9.87       |  |  |  |
| QP   | 520.311k     | 44.07           | 56.00           | -11.93         | 19.63          | Neutral   | -       | 24.44         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 520.311k     | 39.05           | 46.00           | -6.95          | 19.63          | Neutral   | "Worst" | 19.42         | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 1.494M       | 25.25           | 56.00           | -30.75         | 19.64          | Neutral   | -       | 5.61          | 9.64         | 0.13       | 9.87       |  |  |  |
| AV   | 1.494M       | 20.11           | 46.00           | -25.89         | 19.64          | Neutral   | -       | 0.47          | 9.64         | 0.13       | 9.87       |  |  |  |
| QP   | 4.041M       | 31.38           | 56.00           | -24.62         | 19.73          | Neutral   | -       | 11.65         | 9.66         | 0.19       | 9.88       |  |  |  |
| AV   | 4.041M       | 25.59           | 46.00           | -20.41         | 19.73          | Neutral   | -       | 5.86          | 9.66         | 0.19       | 9.88       |  |  |  |
| QP   | 11.373M      | 40.19           | 60.00           | -19.81         | 19.86          | Neutral   | -       | 20.33         | 9.70         | 0.28       | 9.88       |  |  |  |
| AV   | 11.373M      | 33.80           | 50.00           | -16.20         | 19.86          | Neutral   | -       | 13.94         | 9.70         | 0.28       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                             |             |      |
|--------------------|---------------------------------------------|-------------|------|
| Operating Mode     | 5                                           | Power Phase | Line |
| Operating Function | Sample 3 ; PoE Mode ; Radio 2 Wi-Fi 2.4G TX |             |      |

06/04/2020



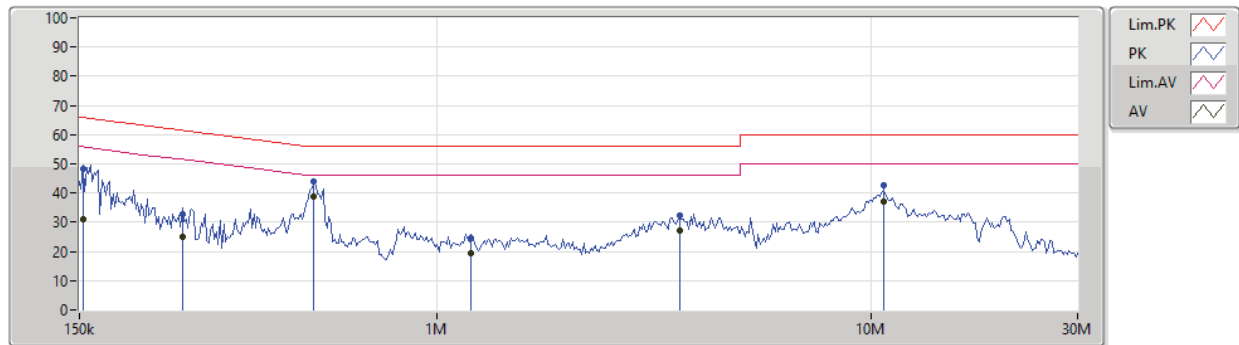
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 165.693k     | 46.96           | 65.18           | -18.22         | 19.64          | Line      | -       | 27.32         | 9.66         | 0.11       | 9.87       |  |  |  |
| AV   | 165.693k     | 30.81           | 55.18           | -24.37         | 19.64          | Line      | -       | 11.17         | 9.66         | 0.11       | 9.87       |  |  |  |
| QP   | 227.818k     | 37.45           | 62.52           | -25.07         | 19.64          | Line      | -       | 17.81         | 9.65         | 0.12       | 9.87       |  |  |  |
| AV   | 227.818k     | 26.79           | 52.52           | -25.73         | 19.64          | Line      | -       | 7.15          | 9.65         | 0.12       | 9.87       |  |  |  |
| QP   | 525.514k     | 44.97           | 56.00           | -11.03         | 19.64          | Line      | -       | 25.33         | 9.64         | 0.13       | 9.87       |  |  |  |
| AV   | 525.514k     | 39.45           | 46.00           | -6.55          | 19.64          | Line      | "Worst" | 19.81         | 9.64         | 0.13       | 9.87       |  |  |  |
| QP   | 1.65M        | 29.61           | 56.00           | -26.39         | 19.66          | Line      | -       | 9.95          | 9.65         | 0.14       | 9.87       |  |  |  |
| AV   | 1.65M        | 24.74           | 46.00           | -21.26         | 19.66          | Line      | -       | 5.08          | 9.65         | 0.14       | 9.87       |  |  |  |
| QP   | 3.961M       | 35.81           | 56.00           | -20.19         | 19.73          | Line      | -       | 16.08         | 9.66         | 0.19       | 9.88       |  |  |  |
| AV   | 3.961M       | 30.95           | 46.00           | -15.05         | 19.73          | Line      | -       | 11.22         | 9.66         | 0.19       | 9.88       |  |  |  |
| QP   | 10.821M      | 43.90           | 60.00           | -16.10         | 19.84          | Line      | -       | 24.06         | 9.68         | 0.28       | 9.88       |  |  |  |
| AV   | 10.821M      | 38.69           | 50.00           | -11.31         | 19.84          | Line      | -       | 18.85         | 9.68         | 0.28       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                             |             |         |
|--------------------|---------------------------------------------|-------------|---------|
| Operating Mode     | 6                                           | Power Phase | Neutral |
| Operating Function | Sample 3 ; PoE Mode ; Radio 3 Wi-Fi 2.4G TX |             |         |

06/04/2020



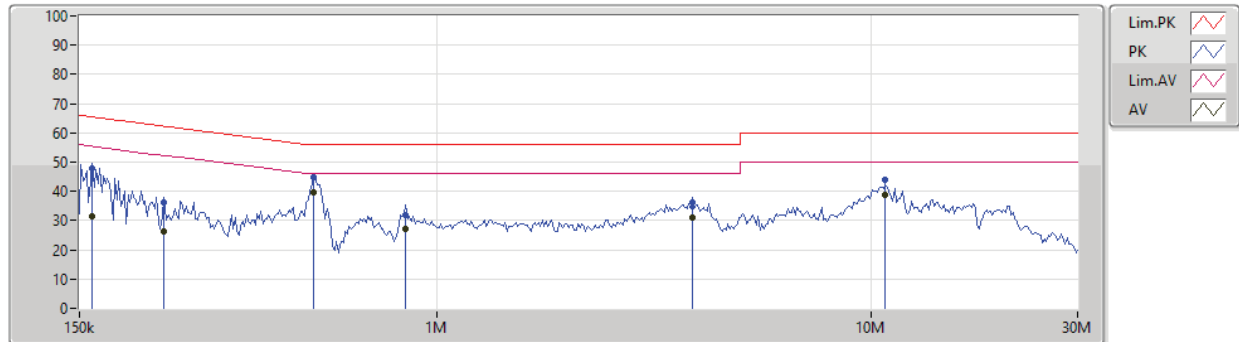
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 153.015k     | 48.37           | 65.83           | -17.46         | 19.63          | Neutral   | -       | 28.74         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 153.015k     | 31.12           | 55.83           | -24.71         | 19.63          | Neutral   | -       | 11.49         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 259.279k     | 32.75           | 61.45           | -28.70         | 19.63          | Neutral   | -       | 13.12         | 9.64         | 0.12       | 9.87       |  |  |  |
| AV   | 259.279k     | 24.80           | 51.45           | -26.65         | 19.63          | Neutral   | -       | 5.17          | 9.64         | 0.12       | 9.87       |  |  |  |
| QP   | 520.311k     | 44.08           | 56.00           | -11.92         | 19.63          | Neutral   | -       | 24.45         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 520.311k     | 38.96           | 46.00           | -7.04          | 19.63          | Neutral   | "Worst" | 19.33         | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 1.2M         | 24.57           | 56.00           | -31.43         | 19.64          | Neutral   | -       | 4.93          | 9.64         | 0.12       | 9.88       |  |  |  |
| AV   | 1.2M         | 19.37           | 46.00           | -26.63         | 19.64          | Neutral   | -       | -0.27         | 9.64         | 0.12       | 9.88       |  |  |  |
| QP   | 3.622M       | 32.26           | 56.00           | -23.74         | 19.72          | Neutral   | -       | 12.54         | 9.66         | 0.18       | 9.88       |  |  |  |
| AV   | 3.622M       | 27.23           | 46.00           | -18.77         | 19.72          | Neutral   | -       | 7.51          | 9.66         | 0.18       | 9.88       |  |  |  |
| QP   | 10.714M      | 42.46           | 60.00           | -17.54         | 19.86          | Neutral   | -       | 22.60         | 9.70         | 0.28       | 9.88       |  |  |  |
| AV   | 10.714M      | 37.23           | 50.00           | -12.77         | 19.86          | Neutral   | -       | 17.37         | 9.70         | 0.28       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                             |             |      |
|--------------------|---------------------------------------------|-------------|------|
| Operating Mode     | 6                                           | Power Phase | Line |
| Operating Function | Sample 3 ; PoE Mode ; Radio 3 Wi-Fi 2.4G TX |             |      |

06/04/2020



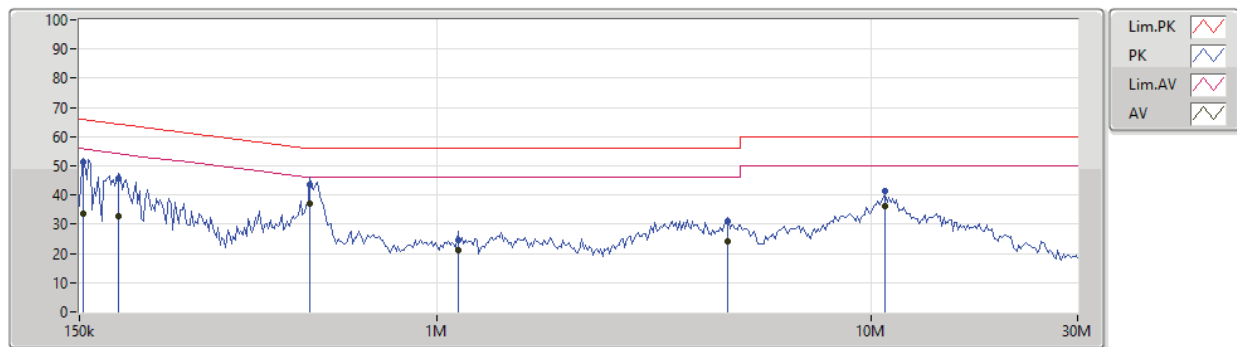
| Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Factor (dB) | Condition | Comment | Raw (dBuV) | LISN (dB) | CL (dB) | AT (dB) |  |  |  |
|------|-----------|--------------|--------------|-------------|-------------|-----------|---------|------------|-----------|---------|---------|--|--|--|
| QP   | 160.82k   | 47.79        | 65.43        | -17.64      | 19.64       | Line      | -       | 28.15      | 9.66      | 0.11    | 9.87    |  |  |  |
| AV   | 160.82k   | 31.44        | 55.43        | -23.99      | 19.64       | Line      | -       | 11.80      | 9.66      | 0.11    | 9.87    |  |  |  |
| QP   | 234.722k  | 36.29        | 62.27        | -25.98      | 19.64       | Line      | -       | 16.65      | 9.65      | 0.12    | 9.87    |  |  |  |
| AV   | 234.722k  | 26.17        | 52.27        | -26.10      | 19.64       | Line      | -       | 6.53       | 9.65      | 0.12    | 9.87    |  |  |  |
| QP   | 520.311k  | 44.93        | 56.00        | -11.07      | 19.64       | Line      | -       | 25.29      | 9.64      | 0.13    | 9.87    |  |  |  |
| AV   | 520.311k  | 39.71        | 46.00        | -6.29       | 19.64       | Line      | "Worst" | 20.07      | 9.64      | 0.13    | 9.87    |  |  |  |
| QP   | 847.248k  | 31.75        | 56.00        | -24.25      | 19.62       | Line      | -       | 12.13      | 9.64      | 0.11    | 9.87    |  |  |  |
| AV   | 847.248k  | 27.31        | 46.00        | -18.69      | 19.62       | Line      | -       | 7.69       | 9.64      | 0.11    | 9.87    |  |  |  |
| QP   | 3.883M    | 36.05        | 56.00        | -19.95      | 19.73       | Line      | -       | 16.32      | 9.66      | 0.19    | 9.88    |  |  |  |
| AV   | 3.883M    | 31.20        | 46.00        | -14.80      | 19.73       | Line      | -       | 11.47      | 9.66      | 0.19    | 9.88    |  |  |  |
| QP   | 10.821M   | 43.78        | 60.00        | -16.22      | 19.84       | Line      | -       | 23.94      | 9.68      | 0.28    | 9.88    |  |  |  |
| AV   | 10.821M   | 38.67        | 50.00        | -11.33      | 19.84       | Line      | -       | 18.83      | 9.68      | 0.28    | 9.88    |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                             |             |         |
|--------------------|---------------------------------------------|-------------|---------|
| Operating Mode     | 7                                           | Power Phase | Neutral |
| Operating Function | Sample 4 ; PoE Mode ; Radio 2 Wi-Fi 2.4G TX |             |         |

06/04/2020



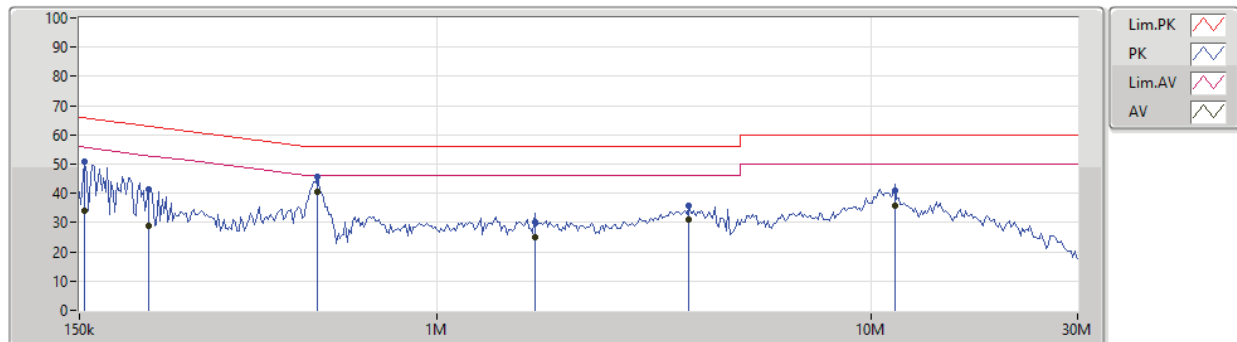
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 153.015k     | 51.30           | 65.83           | -14.53         | 19.63          | Neutral   | -       | 31.67         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 153.015k     | 33.81           | 55.83           | -22.02         | 19.63          | Neutral   | -       | 14.18         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 184.859k     | 45.54           | 64.26           | -18.72         | 19.62          | Neutral   | -       | 25.92         | 9.64         | 0.11       | 9.87       |  |  |  |
| AV   | 184.859k     | 32.88           | 54.26           | -21.38         | 19.62          | Neutral   | -       | 13.26         | 9.64         | 0.11       | 9.87       |  |  |  |
| QP   | 510.059k     | 43.67           | 56.00           | -12.33         | 19.63          | Neutral   | -       | 24.04         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 510.059k     | 37.00           | 46.00           | -9.00          | 19.63          | Neutral   | "Worst" | 17.37         | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 1.119M       | 24.46           | 56.00           | -31.54         | 19.63          | Neutral   | -       | 4.83          | 9.63         | 0.12       | 9.88       |  |  |  |
| AV   | 1.119M       | 21.03           | 46.00           | -24.97         | 19.63          | Neutral   | -       | 1.40          | 9.63         | 0.12       | 9.88       |  |  |  |
| QP   | 4.691M       | 31.08           | 56.00           | -24.92         | 19.75          | Neutral   | -       | 11.33         | 9.67         | 0.20       | 9.88       |  |  |  |
| AV   | 4.691M       | 24.23           | 46.00           | -21.77         | 19.75          | Neutral   | -       | 4.48          | 9.67         | 0.20       | 9.88       |  |  |  |
| QP   | 10.821M      | 41.34           | 60.00           | -18.66         | 19.86          | Neutral   | -       | 21.48         | 9.70         | 0.28       | 9.88       |  |  |  |
| AV   | 10.821M      | 36.19           | 50.00           | -13.81         | 19.86          | Neutral   | -       | 16.33         | 9.70         | 0.28       | 9.88       |  |  |  |



## AC Power-line Conducted Emissions Result

|                    |                                             |             |      |
|--------------------|---------------------------------------------|-------------|------|
| Operating Mode     | 7                                           | Power Phase | Line |
| Operating Function | Sample 4 ; PoE Mode ; Radio 2 Wi-Fi 2.4G TX |             |      |

06/04/2020



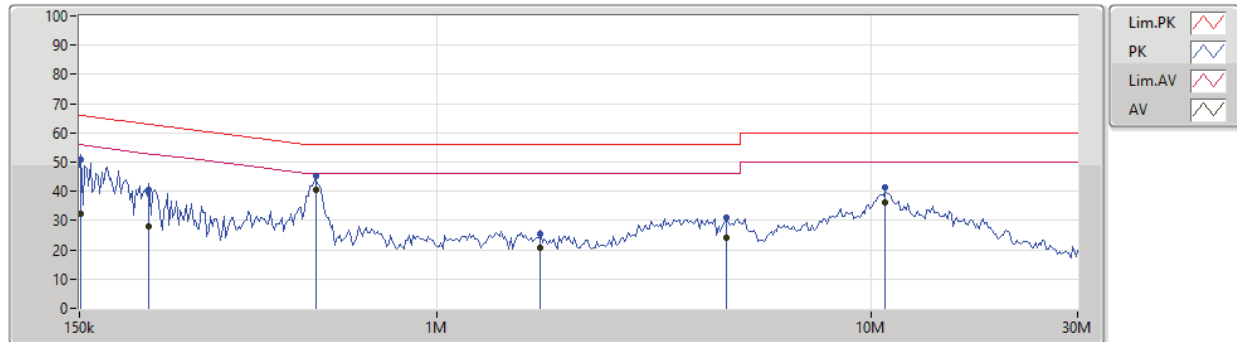
| Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Factor (dB) | Condition | Comment | Raw (dBuV) | LISN (dB) | CL (dB) | AT (dB) |  |  |  |
|------|-----------|--------------|--------------|-------------|-------------|-----------|---------|------------|-----------|---------|---------|--|--|--|
| QP   | 154.545k  | 50.88        | 65.75        | -14.87      | 19.64       | Line      | -       | 31.24      | 9.66      | 0.11    | 9.87    |  |  |  |
| AV   | 154.545k  | 34.21        | 55.75        | -21.54      | 19.64       | Line      | -       | 14.57      | 9.66      | 0.11    | 9.87    |  |  |  |
| QP   | 216.761k  | 41.34        | 62.94        | -21.60      | 19.63       | Line      | -       | 21.71      | 9.65      | 0.11    | 9.87    |  |  |  |
| AV   | 216.761k  | 29.00        | 52.94        | -23.94      | 19.63       | Line      | -       | 9.37       | 9.65      | 0.11    | 9.87    |  |  |  |
| QP   | 530.769k  | 45.69        | 56.00        | -10.31      | 19.64       | Line      | -       | 26.05      | 9.64      | 0.13    | 9.87    |  |  |  |
| AV   | 530.769k  | 40.42        | 46.00        | -5.58       | 19.64       | Line      | "Worst" | 20.78      | 9.64      | 0.13    | 9.87    |  |  |  |
| QP   | 1.683M    | 30.12        | 56.00        | -25.88      | 19.66       | Line      | -       | 10.46      | 9.65      | 0.14    | 9.87    |  |  |  |
| AV   | 1.683M    | 24.99        | 46.00        | -21.01      | 19.66       | Line      | -       | 5.33       | 9.65      | 0.14    | 9.87    |  |  |  |
| QP   | 3.807M    | 35.80        | 56.00        | -20.20      | 19.72       | Line      | -       | 16.08      | 9.66      | 0.18    | 9.88    |  |  |  |
| AV   | 3.807M    | 31.06        | 46.00        | -14.94      | 19.72       | Line      | -       | 11.34      | 9.66      | 0.18    | 9.88    |  |  |  |
| QP   | 11.373M   | 40.93        | 60.00        | -19.07      | 19.84       | Line      | -       | 21.09      | 9.68      | 0.28    | 9.88    |  |  |  |
| AV   | 11.373M   | 35.62        | 50.00        | -14.38      | 19.84       | Line      | -       | 15.78      | 9.68      | 0.28    | 9.88    |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                             |             |         |
|--------------------|---------------------------------------------|-------------|---------|
| Operating Mode     | 8                                           | Power Phase | Neutral |
| Operating Function | Sample 4 ; PoE Mode ; Radio 3 Wi-Fi 2.4G TX |             |         |

06/04/2020



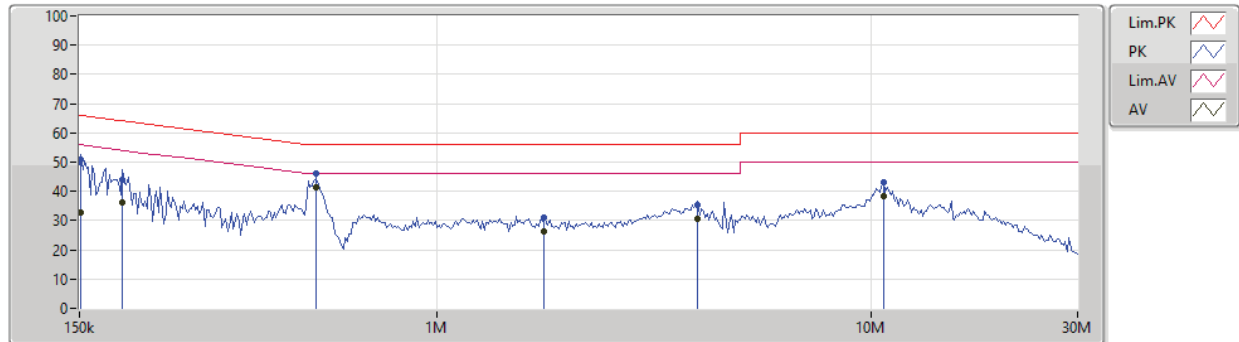
| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 151.5k       | 50.98           | 65.92           | -14.94         | 19.63          | Neutral   | -       | 31.35         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 151.5k       | 32.52           | 55.92           | -23.40         | 19.63          | Neutral   | -       | 12.89         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 216.761k     | 40.46           | 62.94           | -22.48         | 19.62          | Neutral   | -       | 20.84         | 9.64         | 0.11       | 9.87       |  |  |  |
| AV   | 216.761k     | 27.98           | 52.94           | -24.96         | 19.62          | Neutral   | -       | 8.36          | 9.64         | 0.11       | 9.87       |  |  |  |
| QP   | 525.514k     | 45.31           | 56.00           | -10.69         | 19.63          | Neutral   | -       | 25.68         | 9.63         | 0.13       | 9.87       |  |  |  |
| AV   | 525.514k     | 40.51           | 46.00           | -5.49          | 19.63          | Neutral   | "Worst" | 20.88         | 9.63         | 0.13       | 9.87       |  |  |  |
| QP   | 1.734M       | 25.30           | 56.00           | -30.70         | 19.66          | Neutral   | -       | 5.64          | 9.65         | 0.14       | 9.87       |  |  |  |
| AV   | 1.734M       | 20.70           | 46.00           | -25.30         | 19.66          | Neutral   | -       | 1.04          | 9.65         | 0.14       | 9.87       |  |  |  |
| QP   | 4.645M       | 30.90           | 56.00           | -25.10         | 19.75          | Neutral   | -       | 11.15         | 9.67         | 0.20       | 9.88       |  |  |  |
| AV   | 4.645M       | 24.06           | 46.00           | -21.94         | 19.75          | Neutral   | -       | 4.31          | 9.67         | 0.20       | 9.88       |  |  |  |
| QP   | 10.821M      | 41.37           | 60.00           | -18.63         | 19.86          | Neutral   | -       | 21.51         | 9.70         | 0.28       | 9.88       |  |  |  |
| AV   | 10.821M      | 36.15           | 50.00           | -13.85         | 19.86          | Neutral   | -       | 16.29         | 9.70         | 0.28       | 9.88       |  |  |  |



AC Power-line Conducted Emissions Result

|                    |                                             |             |      |
|--------------------|---------------------------------------------|-------------|------|
| Operating Mode     | 8                                           | Power Phase | Line |
| Operating Function | Sample 4 ; PoE Mode ; Radio 3 Wi-Fi 2.4G TX |             |      |

06/04/2020



| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|
| QP   | 151.5k       | 50.78           | 65.92           | -15.14         | 19.64          | Line      | -       | 31.14         | 9.66         | 0.11       | 9.87       |  |  |  |
| AV   | 151.5k       | 32.86           | 55.92           | -23.06         | 19.64          | Line      | -       | 13.22         | 9.66         | 0.11       | 9.87       |  |  |  |
| QP   | 188.574k     | 44.18           | 64.11           | -19.93         | 19.63          | Line      | -       | 24.55         | 9.65         | 0.11       | 9.87       |  |  |  |
| AV   | 188.574k     | 36.37           | 54.11           | -17.74         | 19.63          | Line      | -       | 16.74         | 9.65         | 0.11       | 9.87       |  |  |  |
| QP   | 525.514k     | 46.09           | 56.00           | -9.91          | 19.64          | Line      | -       | 26.45         | 9.64         | 0.13       | 9.87       |  |  |  |
| AV   | 525.514k     | 41.24           | 46.00           | -4.76          | 19.64          | Line      | "Worst" | 21.60         | 9.64         | 0.13       | 9.87       |  |  |  |
| QP   | 1.769M       | 31.01           | 56.00           | -24.99         | 19.66          | Line      | -       | 11.35         | 9.65         | 0.14       | 9.87       |  |  |  |
| AV   | 1.769M       | 26.48           | 46.00           | -19.52         | 19.66          | Line      | -       | 6.82          | 9.65         | 0.14       | 9.87       |  |  |  |
| QP   | 4.001M       | 35.52           | 56.00           | -20.48         | 19.73          | Line      | -       | 15.79         | 9.66         | 0.19       | 9.88       |  |  |  |
| AV   | 4.001M       | 30.68           | 46.00           | -15.32         | 19.73          | Line      | -       | 10.95         | 9.66         | 0.19       | 9.88       |  |  |  |
| QP   | 10.714M      | 43.31           | 60.00           | -16.69         | 19.85          | Line      | -       | 23.46         | 9.69         | 0.28       | 9.88       |  |  |  |
| AV   | 10.714M      | 38.21           | 50.00           | -11.79         | 19.85          | Line      | -       | 18.36         | 9.69         | 0.28       | 9.88       |  |  |  |

**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | 8.05M            | 13.093M         | 13M1G1D  | 7.05M            | 12.869M         |
| 802.11g_Nss1,(6Mbps)_2TX       | 16.325M          | 16.442M         | 16M4D1D  | 16.025M          | 16.367M         |
| VHT20_Nss1,(MCS0)_2TX          | 17.575M          | 17.641M         | 17M6D1D  | 17.15M           | 17.541M         |
| VHT40_Nss1,(MCS0)_2TX          | 36.35M           | 36.232M         | 36M2D1D  | 33.75M           | 36.082M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 18.9M            | 18.991M         | 19M0D1D  | 17.925M          | 18.916M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 37.8M            | 37.831M         | 37M8D1D  | 34.35M           | 37.631M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;



**Result**

| Mode                           | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 8.05M               | 12.869M            | 7.525M              | 12.919M            |
| 2437MHz                        | Pass   | 500k          | 7.05M               | 12.969M            | 7.075M              | 12.969M            |
| 2462MHz                        | Pass   | 500k          | 7.525M              | 13.093M            | 8.025M              | 13.093M            |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 16.025M             | 16.367M            | 16.3M               | 16.417M            |
| 2437MHz                        | Pass   | 500k          | 16.325M             | 16.392M            | 16.325M             | 16.392M            |
| 2462MHz                        | Pass   | 500k          | 16.325M             | 16.442M            | 16.325M             | 16.417M            |
| VHT20_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 17.525M             | 17.541M            | 17.575M             | 17.616M            |
| 2437MHz                        | Pass   | 500k          | 17.275M             | 17.591M            | 17.15M              | 17.641M            |
| 2462MHz                        | Pass   | 500k          | 17.55M              | 17.616M            | 17.575M             | 17.591M            |
| VHT40_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz                        | Pass   | 500k          | 35.9M               | 36.182M            | 36.35M              | 36.232M            |
| 2437MHz                        | Pass   | 500k          | 36.3M               | 36.132M            | 33.75M              | 36.082M            |
| 2452MHz                        | Pass   | 500k          | 34.9M               | 36.132M            | 35.7M               | 36.132M            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 17.925M             | 18.916M            | 18.575M             | 18.966M            |
| 2437MHz                        | Pass   | 500k          | 18.775M             | 18.916M            | 18.6M               | 18.966M            |
| 2462MHz                        | Pass   | 500k          | 18.9M               | 18.941M            | 18.9M               | 18.991M            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz                        | Pass   | 500k          | 37.65M              | 37.681M            | 37.8M               | 37.831M            |
| 2437MHz                        | Pass   | 500k          | 36.3M               | 37.631M            | 36.55M              | 37.781M            |
| 2452MHz                        | Pass   | 500k          | 37.25M              | 37.731M            | 34.35M              | 37.731M            |

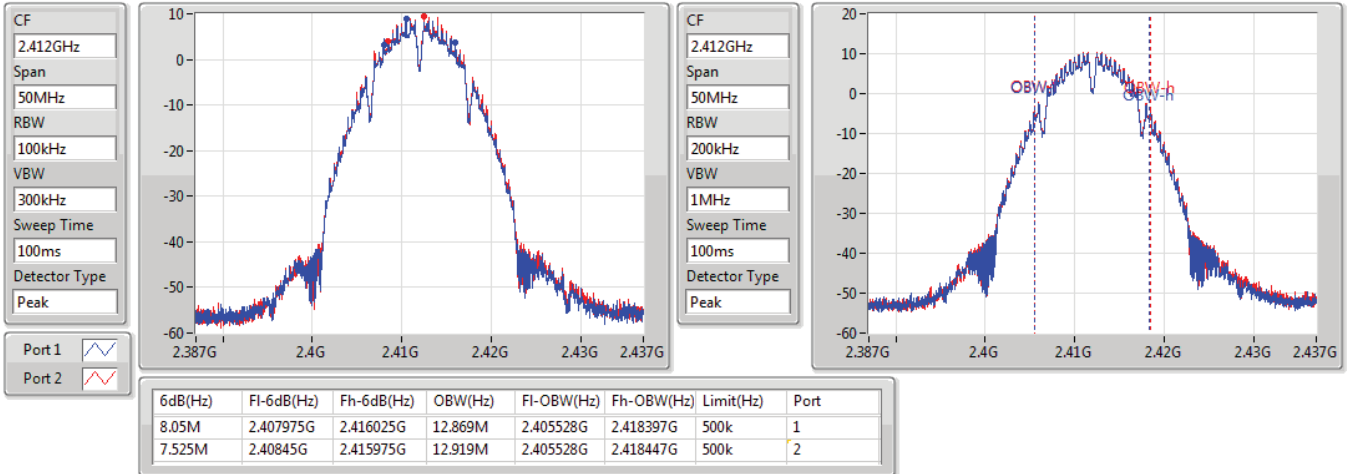
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2412MHz

17/03/2020

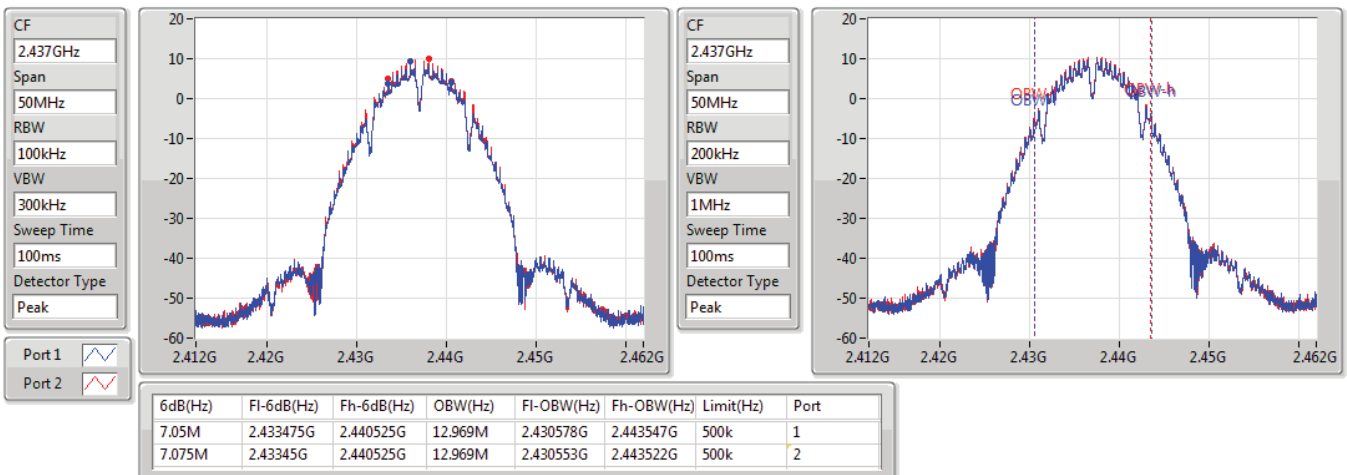


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz

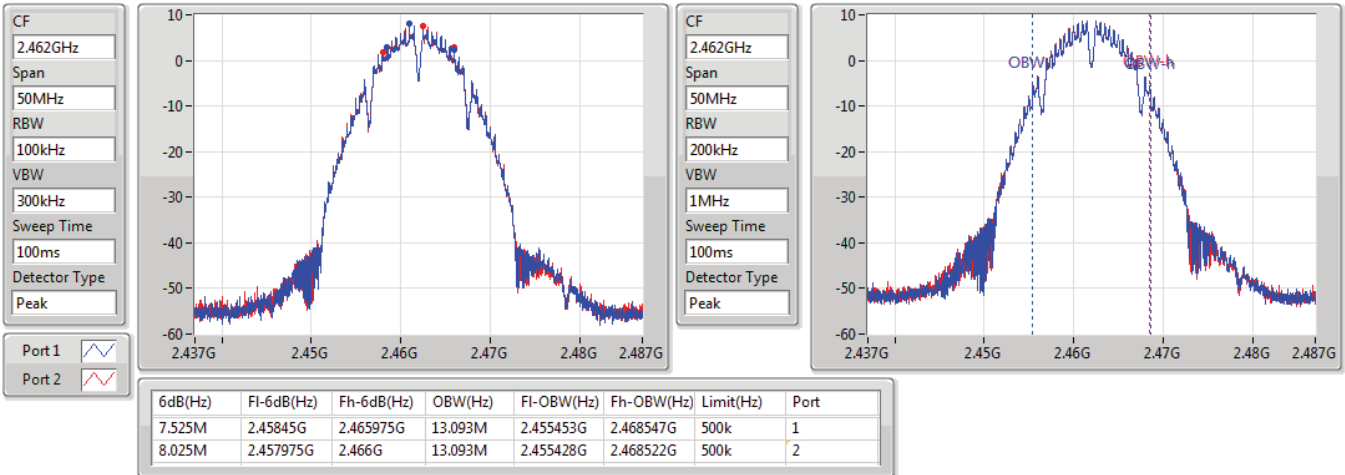
17/03/2020



## 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

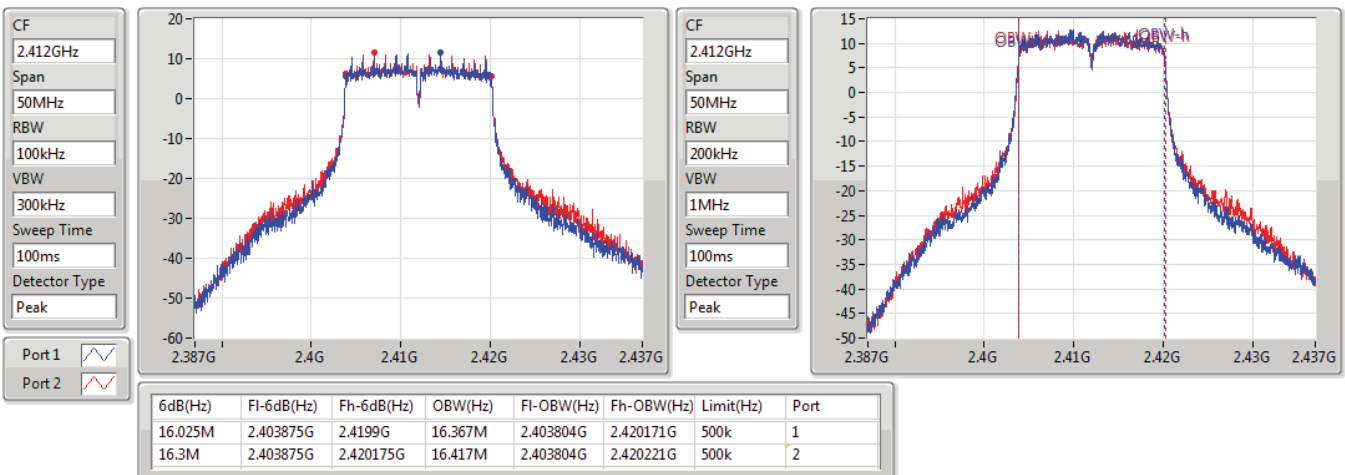
17/03/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

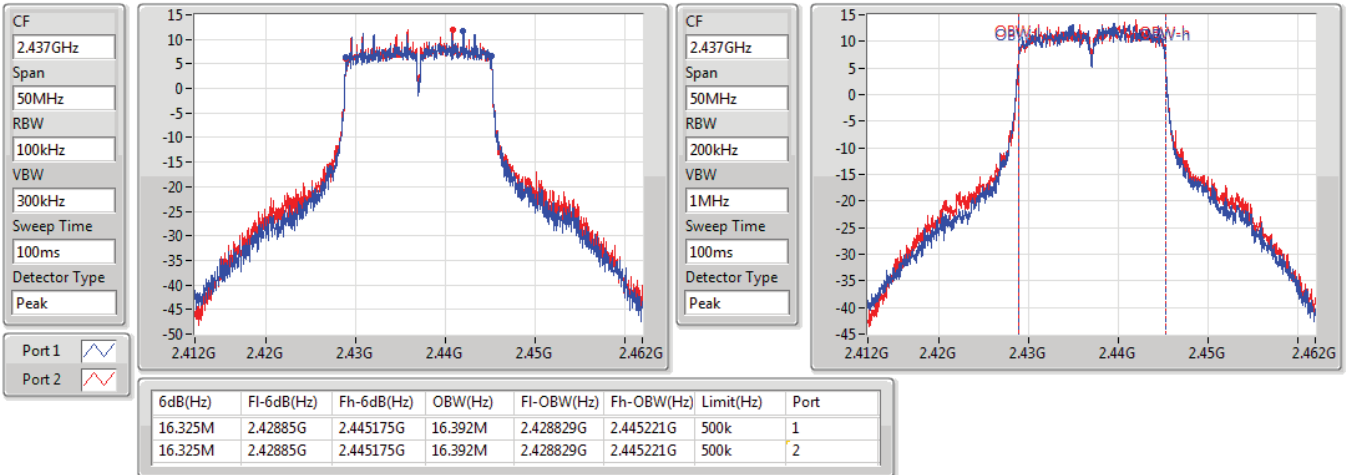
09/03/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

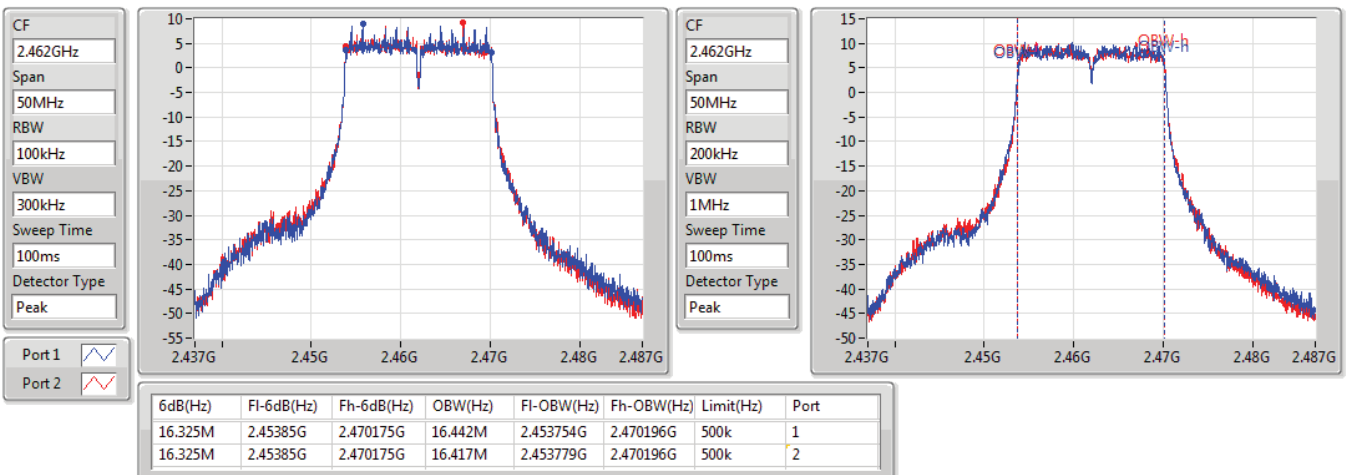
09/03/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

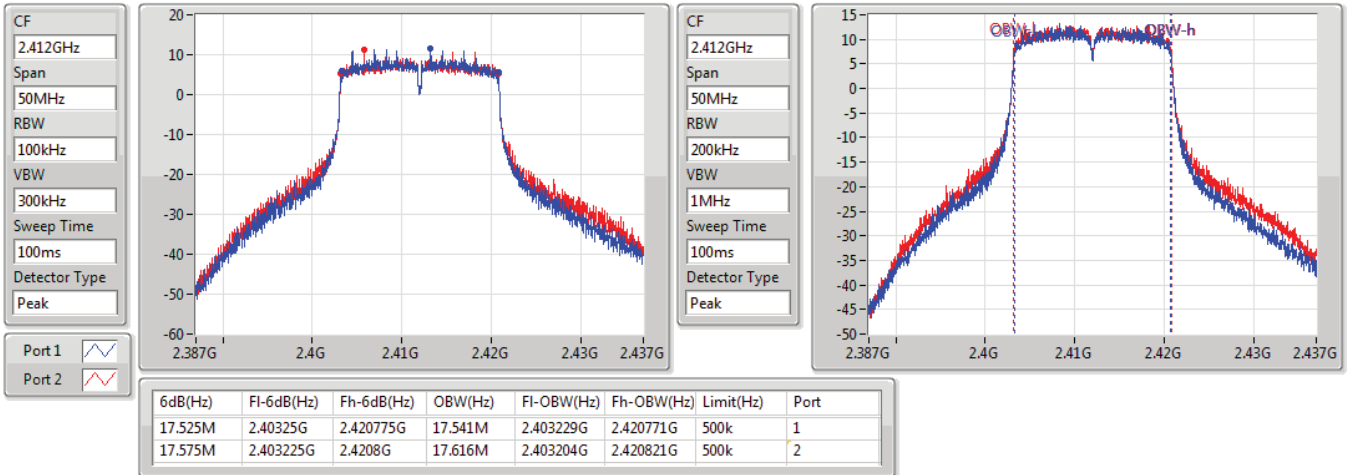
09/03/2020



# VHT20\_Nss1,(MCS0)\_2TX

2412MHz

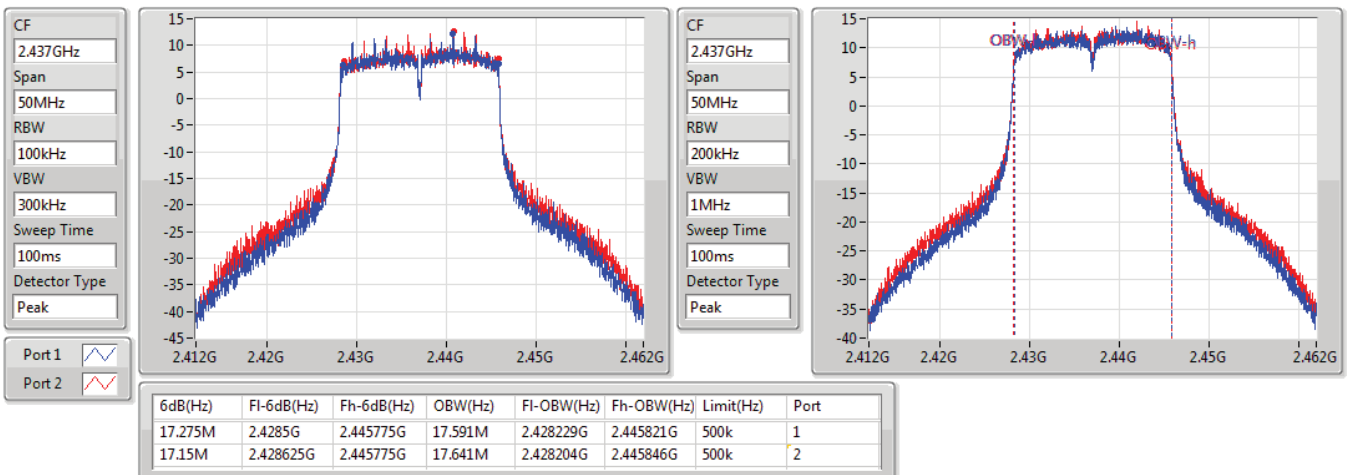
09/03/2020



# VHT20\_Nss1,(MCS0)\_2TX

2437MHz

09/03/2020

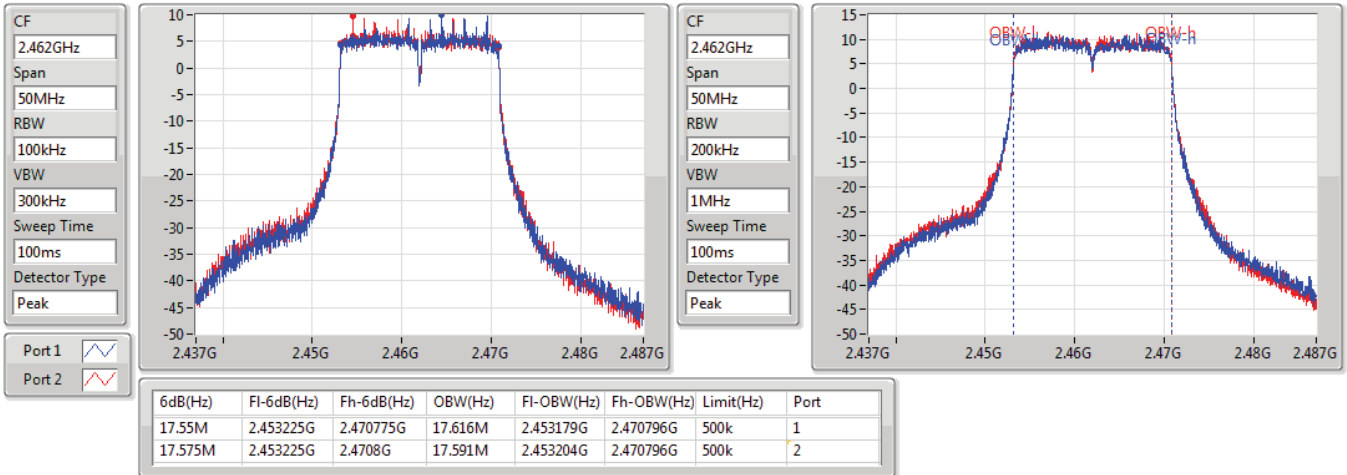


# VHT20\_Nss1,(MCS0)\_2TX

2462MHz

09/03/2020

EBW

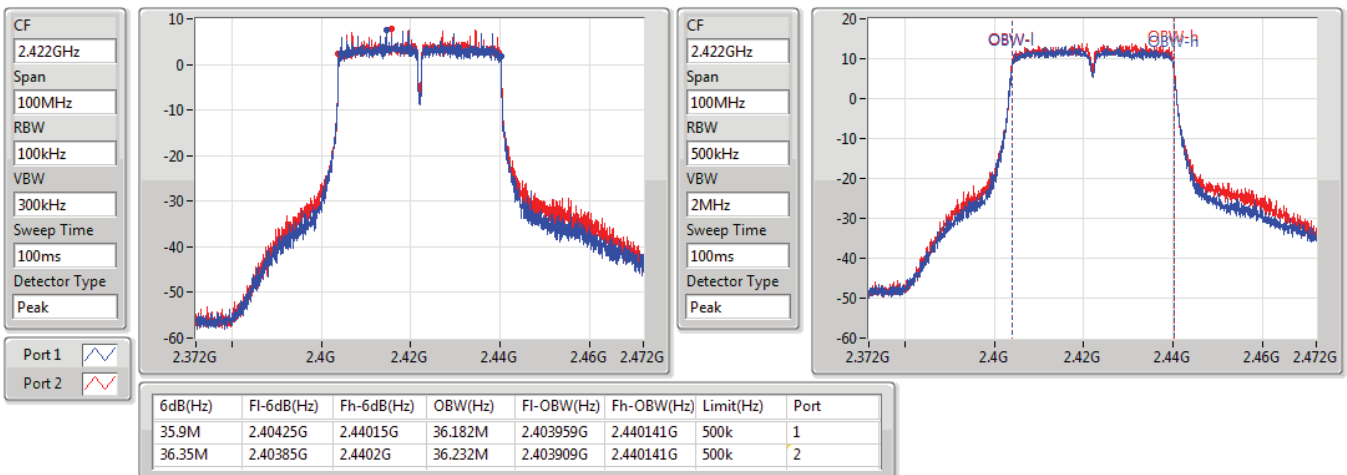


# VHT40\_Nss1,(MCS0)\_2TX

2422MHz

09/03/2020

EBW

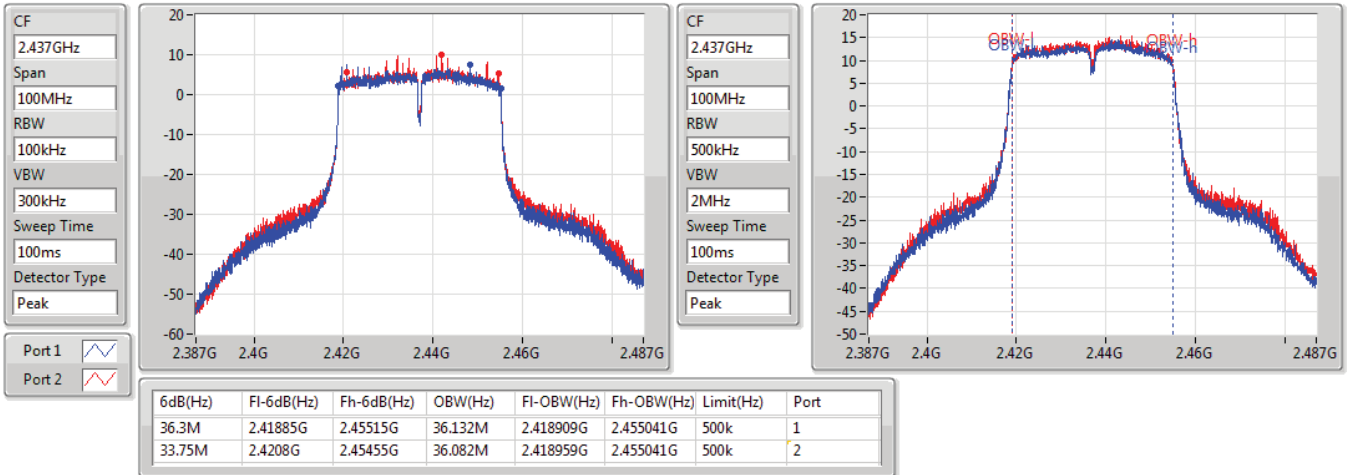


# VHT40\_Nss1,(MCS0)\_2TX

2437MHz

09/03/2020

EBW

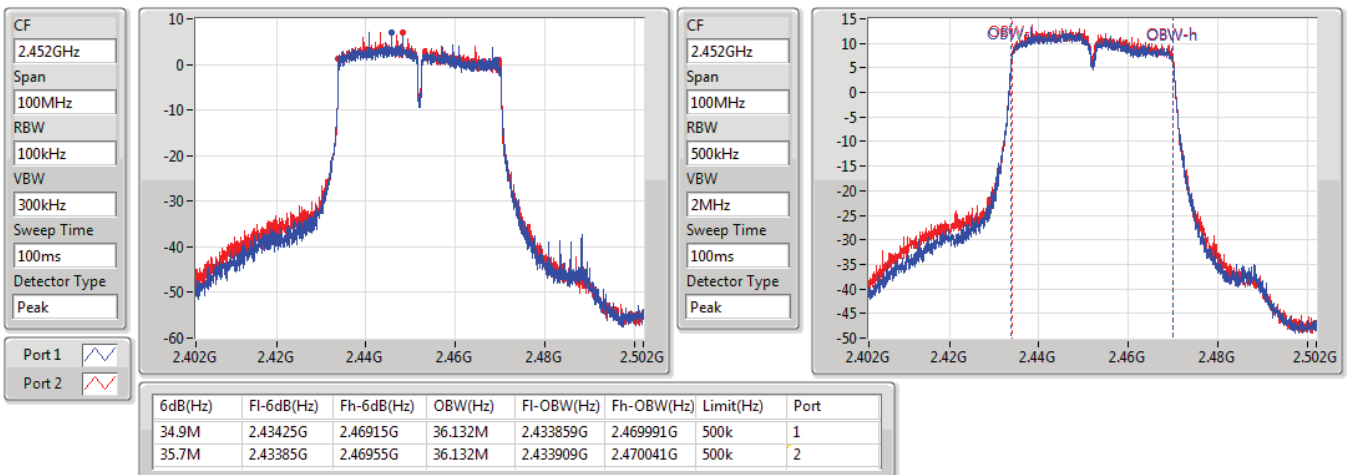


# VHT40\_Nss1,(MCS0)\_2TX

2452MHz

09/03/2020

EBW

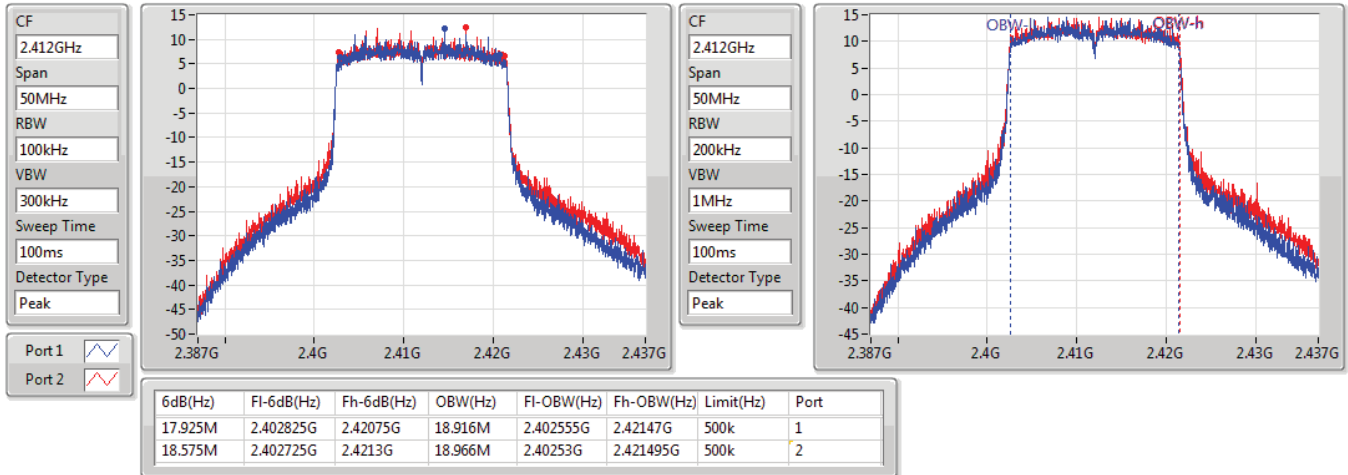


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

09/03/2020

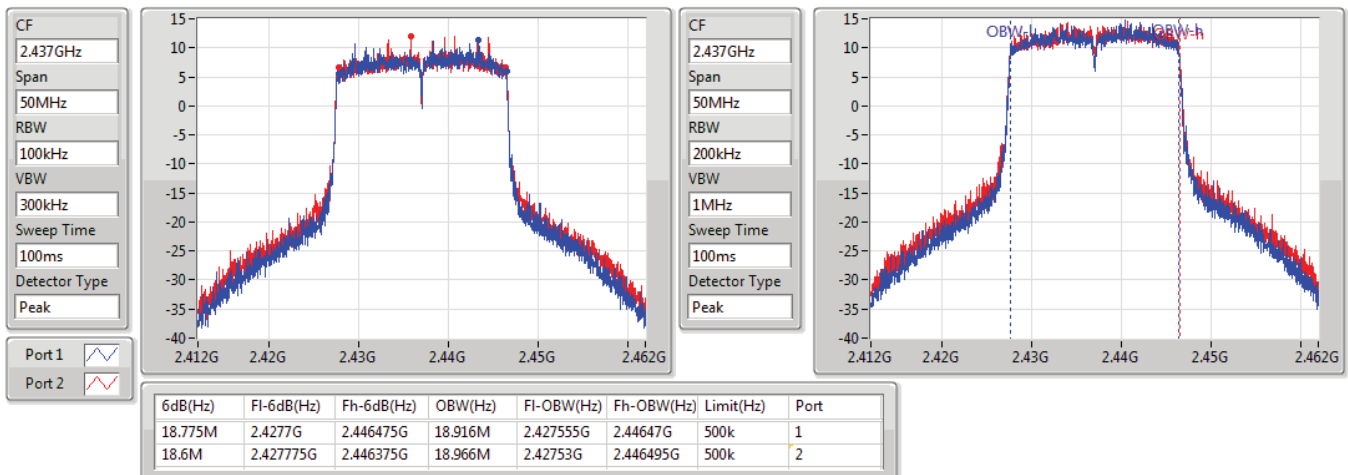


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

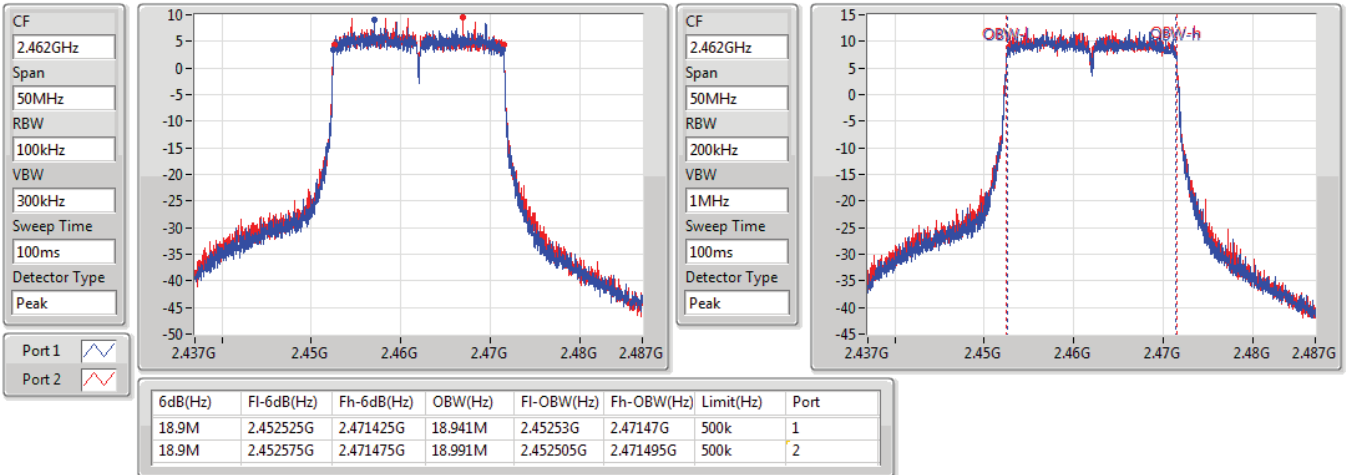
09/03/2020



## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz

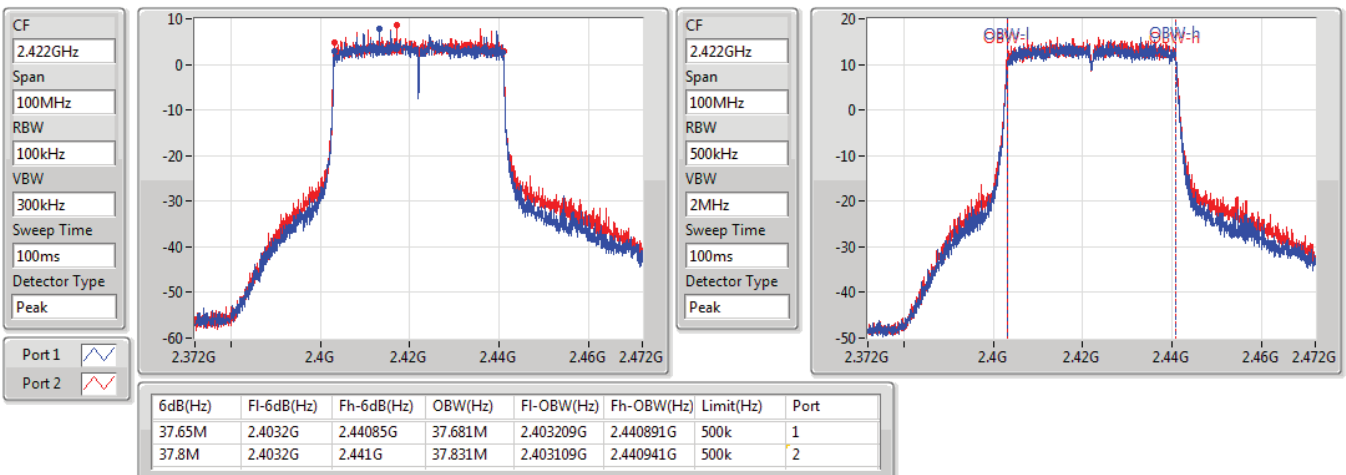
09/03/2020



## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

2422MHz

09/03/2020

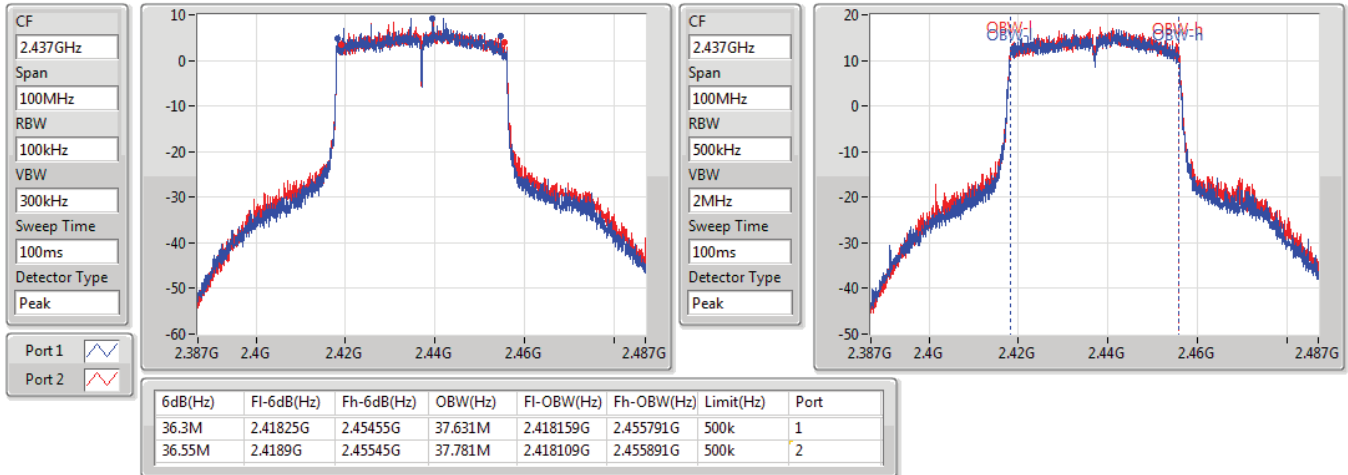


# 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

09/03/2020

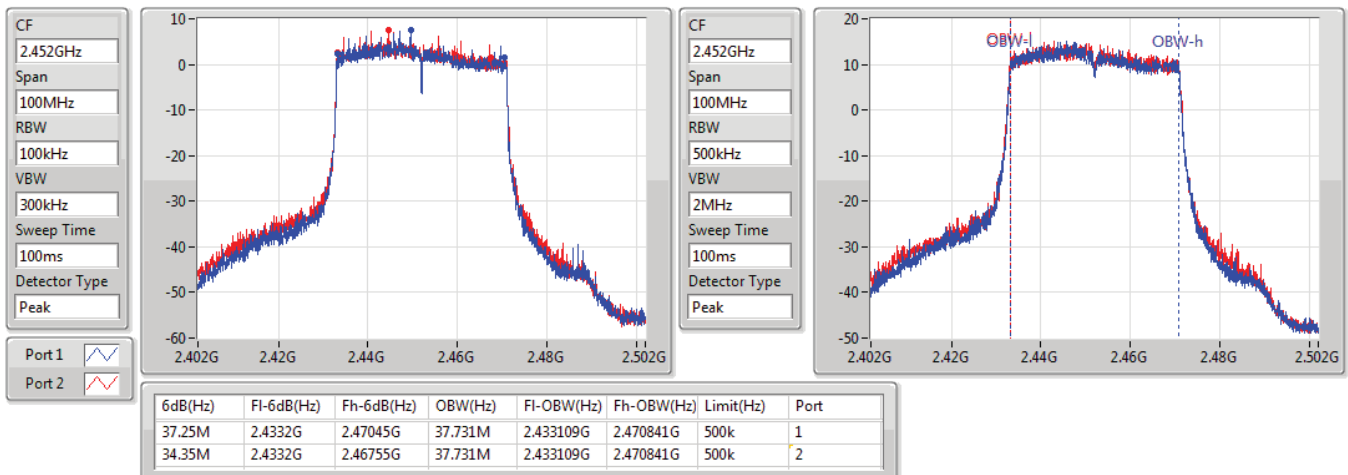


# 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

09/03/2020



**Summary**

| Mode                     | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz            | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX | 10.075M          | 13.893M         | 13M9G1D  | 9.075M           | 13.868M         |
| 802.11g_Nss1,(6Mbps)_2TX | 16.275M          | 17.166M         | 17M2D1D  | 15.875M          | 16.442M         |
| VHT20_Nss1,(MCS0)_2TX    | 17.15M           | 18.116M         | 18M1D1D  | 16.525M          | 17.666M         |
| VHT40_Nss1,(MCS0)_2TX    | 35.75M           | 36.482M         | 36M5D1D  | 35.15M           | 36.232M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

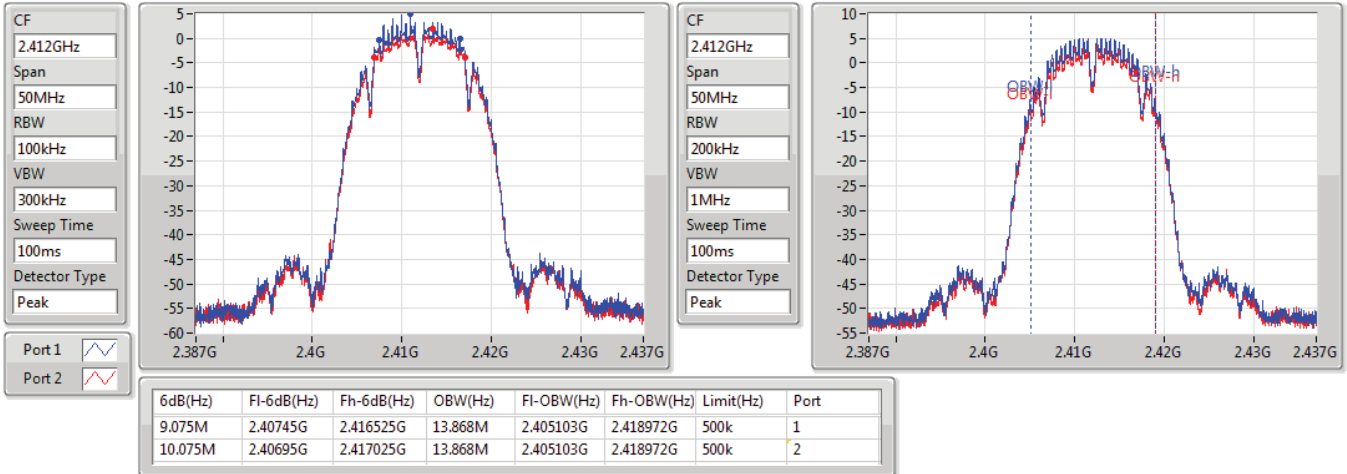
**Result**

| Mode                     | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                  | Pass   | 500k          | 9.075M              | 13.868M            | 10.075M             | 13.868M            |
| 2437MHz                  | Pass   | 500k          | 10.075M             | 13.893M            | 9.075M              | 13.893M            |
| 2462MHz                  | Pass   | 500k          | 9.075M              | 13.893M            | 10.05M              | 13.868M            |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                  | Pass   | 500k          | 16.275M             | 16.517M            | 15.875M             | 16.517M            |
| 2437MHz                  | Pass   | 500k          | 16.275M             | 16.717M            | 16.25M              | 17.166M            |
| 2462MHz                  | Pass   | 500k          | 16.025M             | 16.492M            | 16.275M             | 16.442M            |
| VHT20_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                  | Pass   | 500k          | 17.15M              | 17.691M            | 17.15M              | 17.666M            |
| 2437MHz                  | Pass   | 500k          | 16.8M               | 17.866M            | 16.525M             | 18.116M            |
| 2462MHz                  | Pass   | 500k          | 17.15M              | 17.691M            | 16.775M             | 17.666M            |
| VHT40_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz                  | Pass   | 500k          | 35.15M              | 36.382M            | 35.25M              | 36.232M            |
| 2437MHz                  | Pass   | 500k          | 35.3M               | 36.432M            | 35.75M              | 36.432M            |
| 2452MHz                  | Pass   | 500k          | 35.35M              | 36.482M            | 35.7M               | 36.332M            |

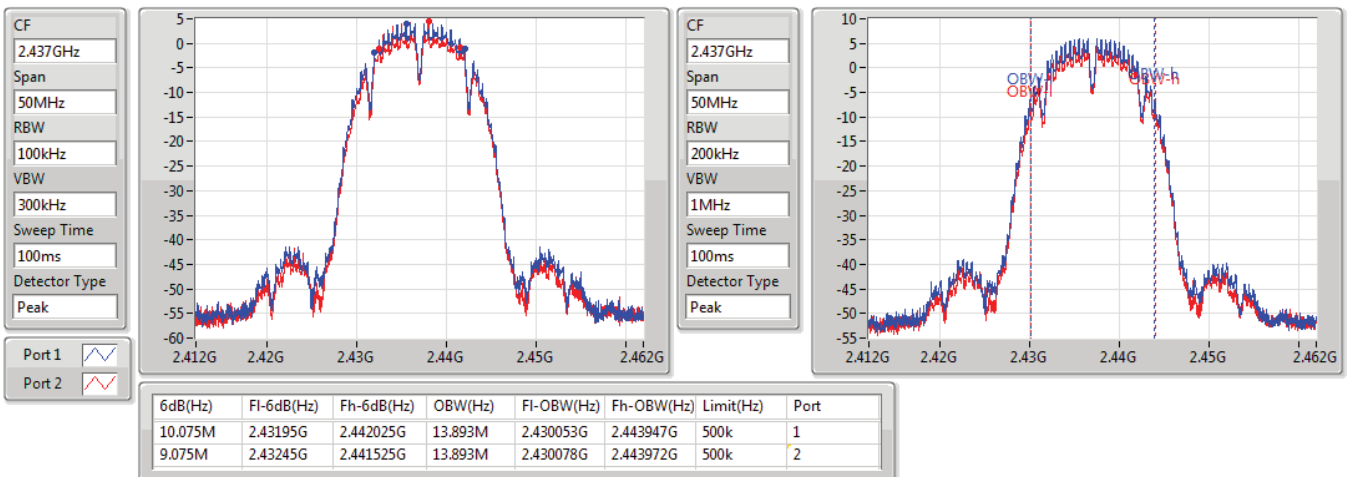
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2412MHz**

15/03/2020

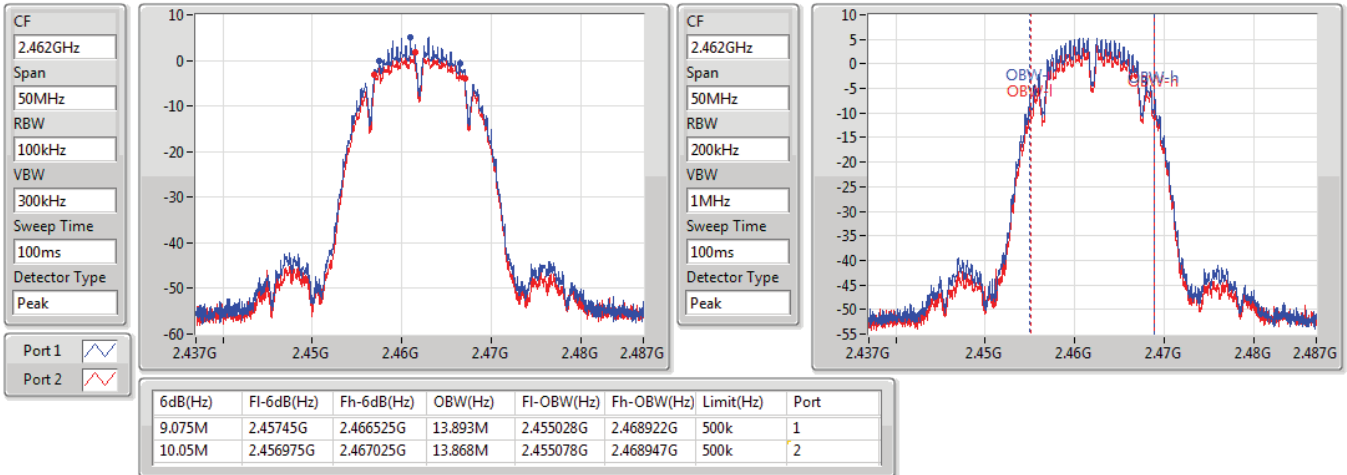

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2437MHz**

15/03/2020

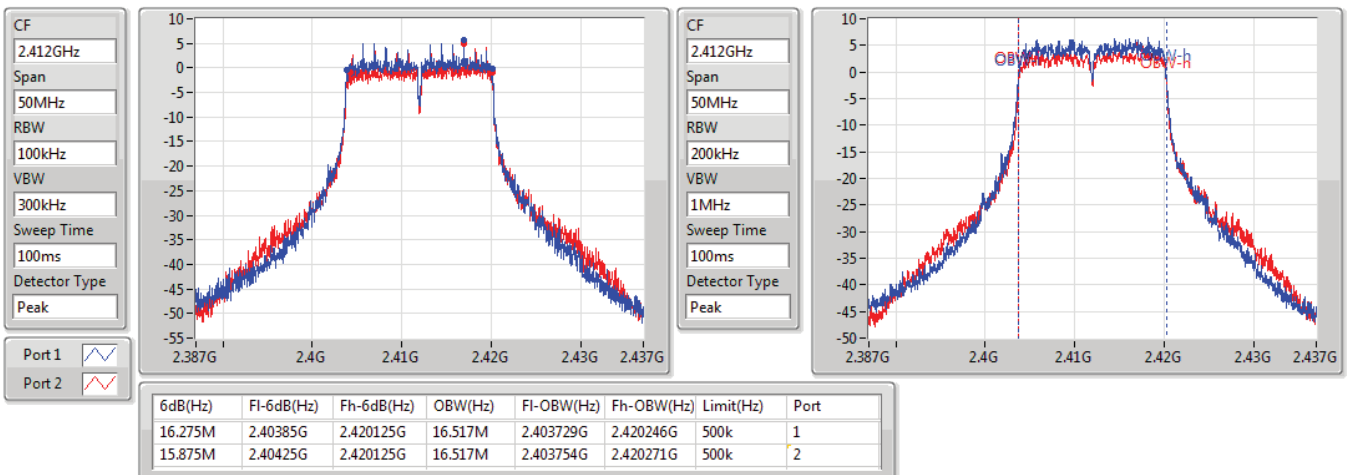


**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2462MHz**

15/03/2020


**802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2412MHz**

15/03/2020

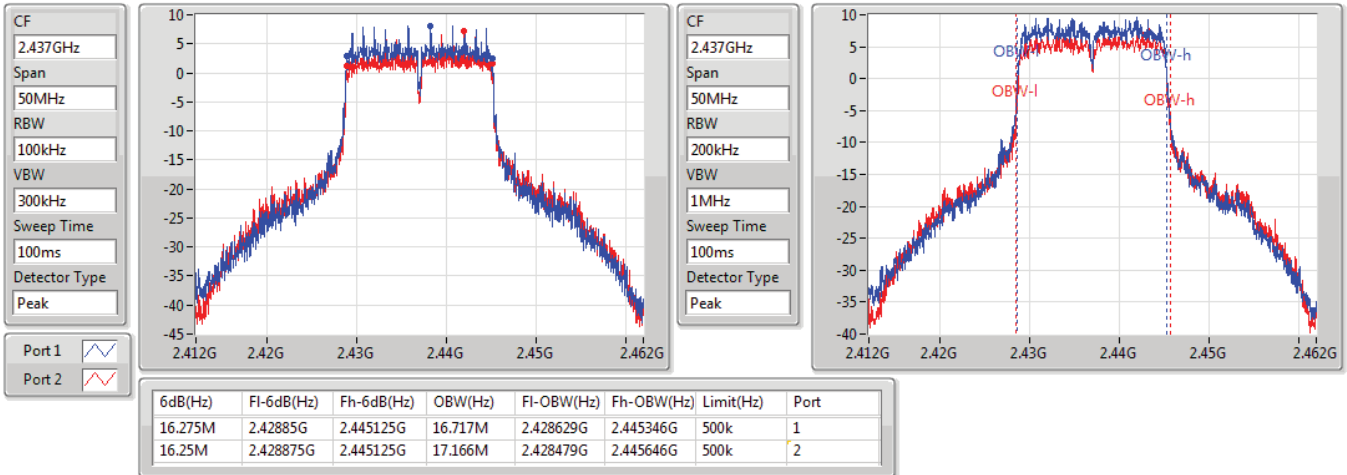


## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

15/03/2020

EBW

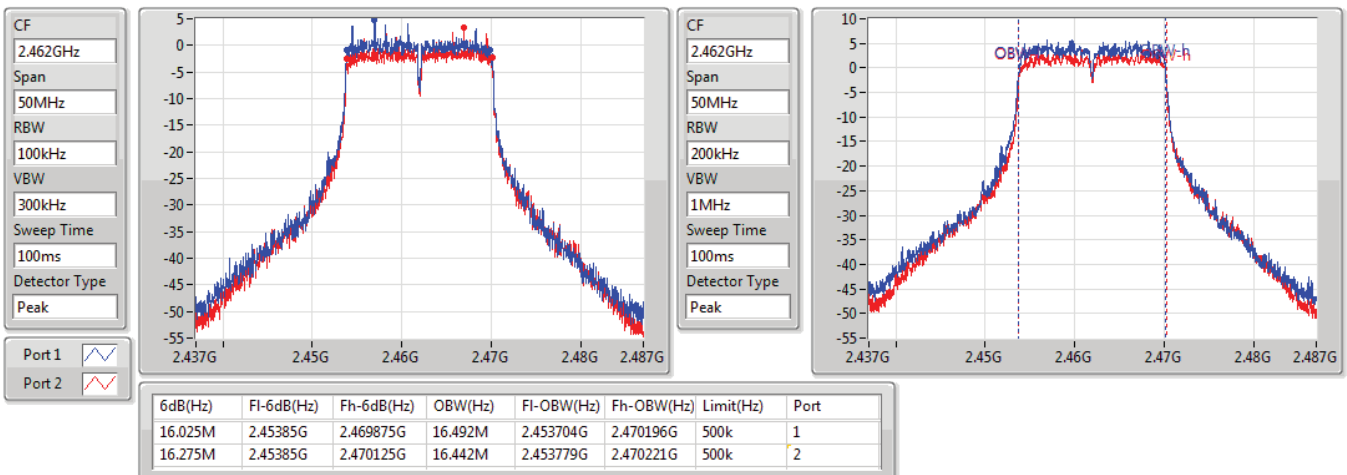


## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

15/03/2020

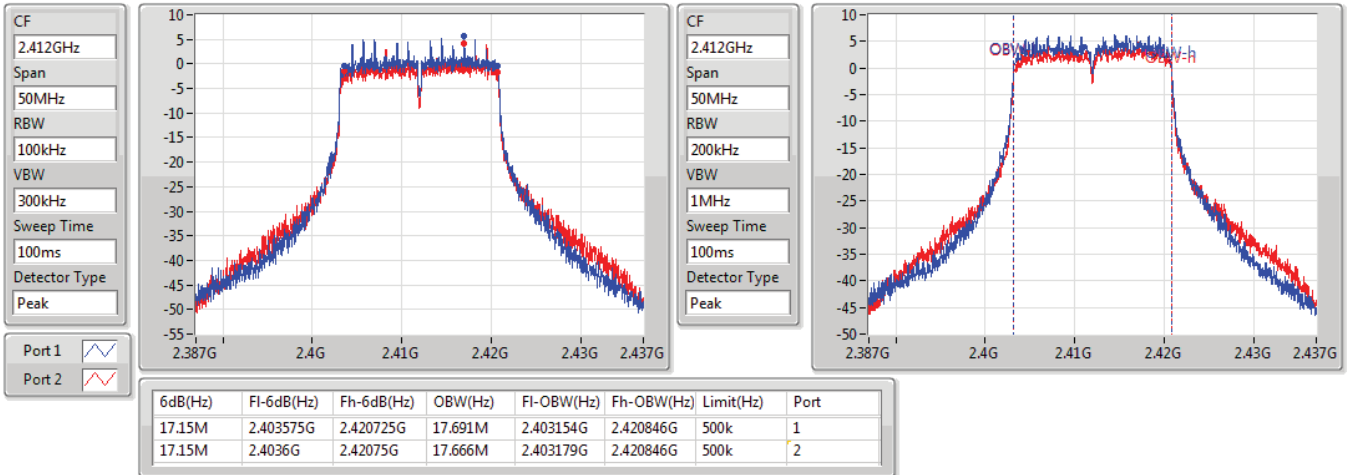
EBW



# VHT20\_Nss1,(MCS0)\_2TX

2412MHz

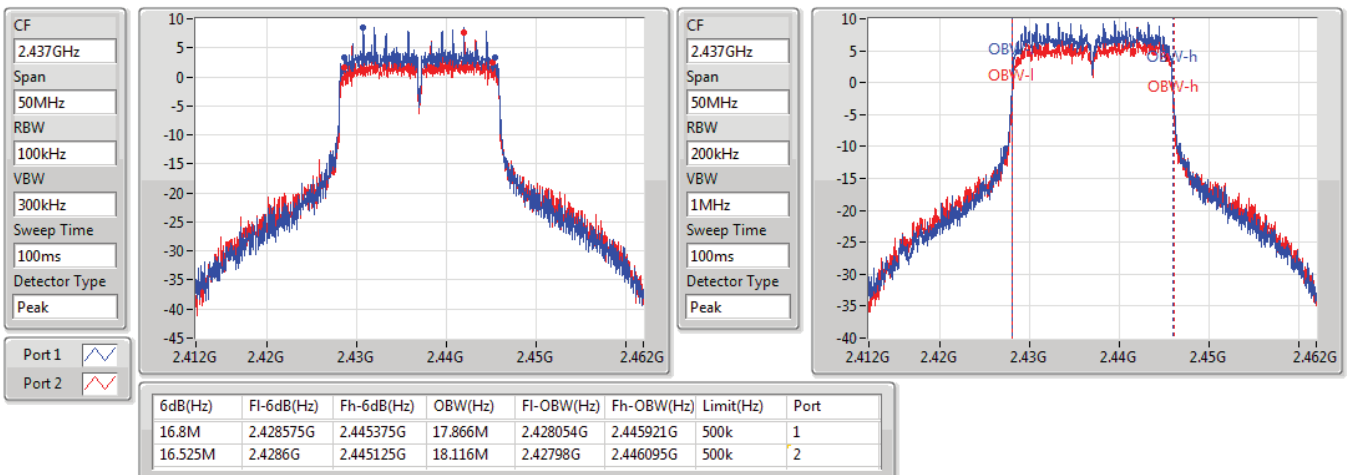
15/03/2020



# VHT20\_Nss1,(MCS0)\_2TX

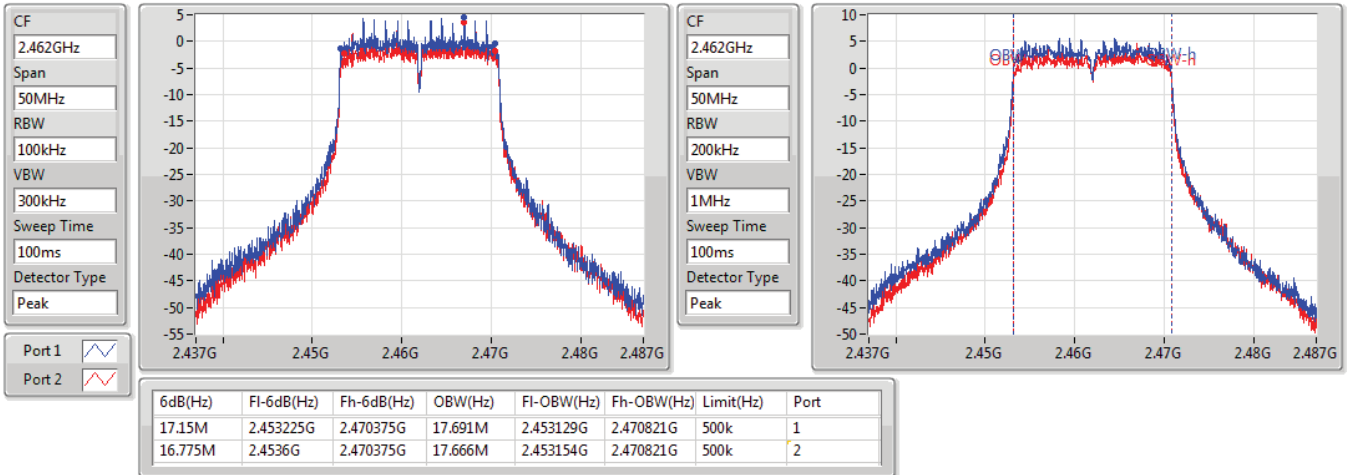
2437MHz

15/03/2020

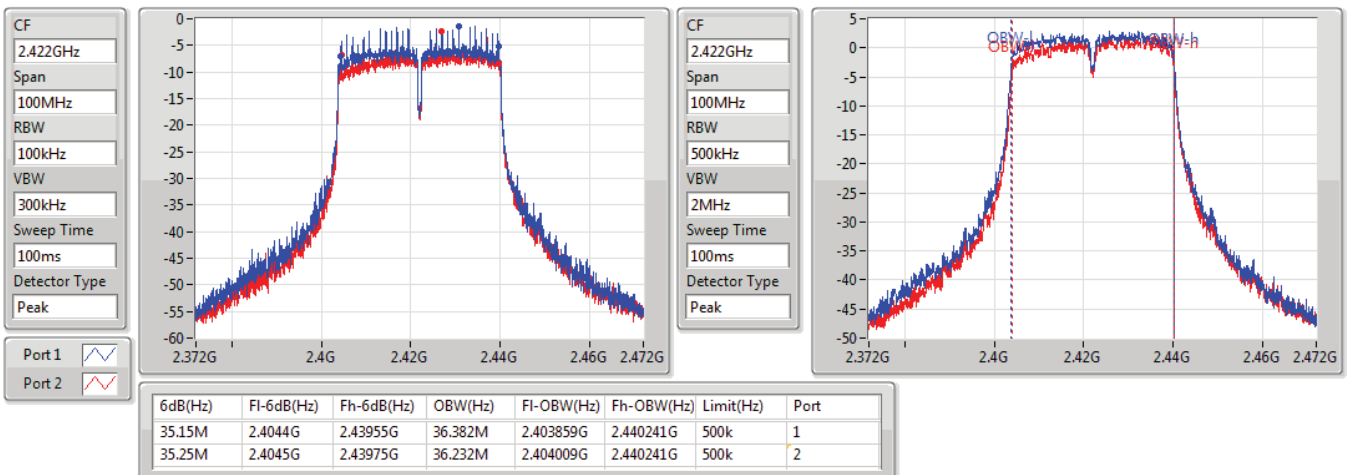


**VHT20\_Nss1,(MCS0)\_2TX**
**2462MHz**

15/03/2020


**VHT40\_Nss1,(MCS0)\_2TX**
**2422MHz**

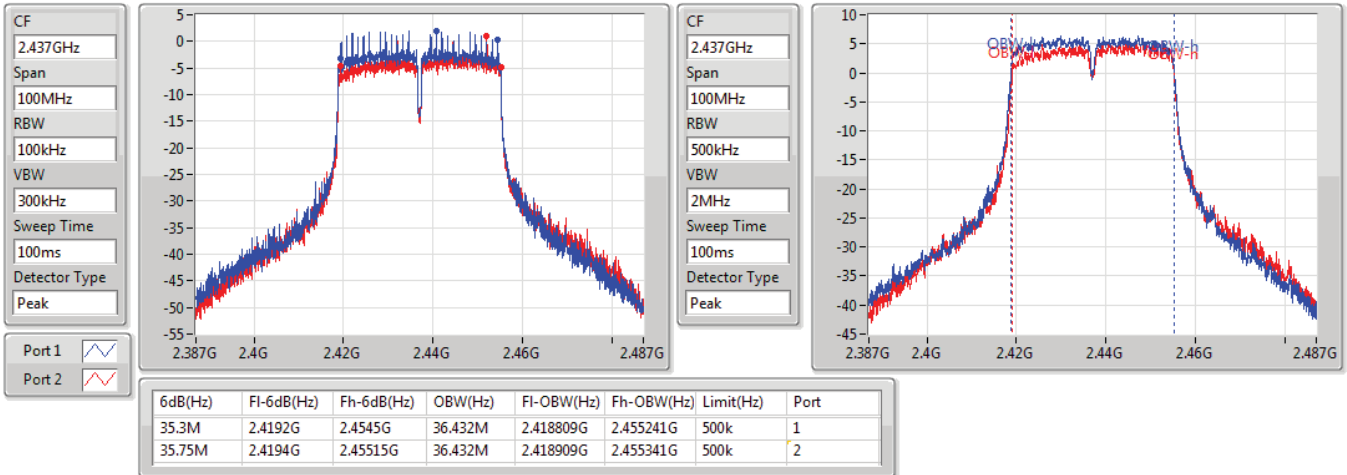
15/03/2020



# VHT40\_Nss1,(MCS0)\_2TX

2437MHz

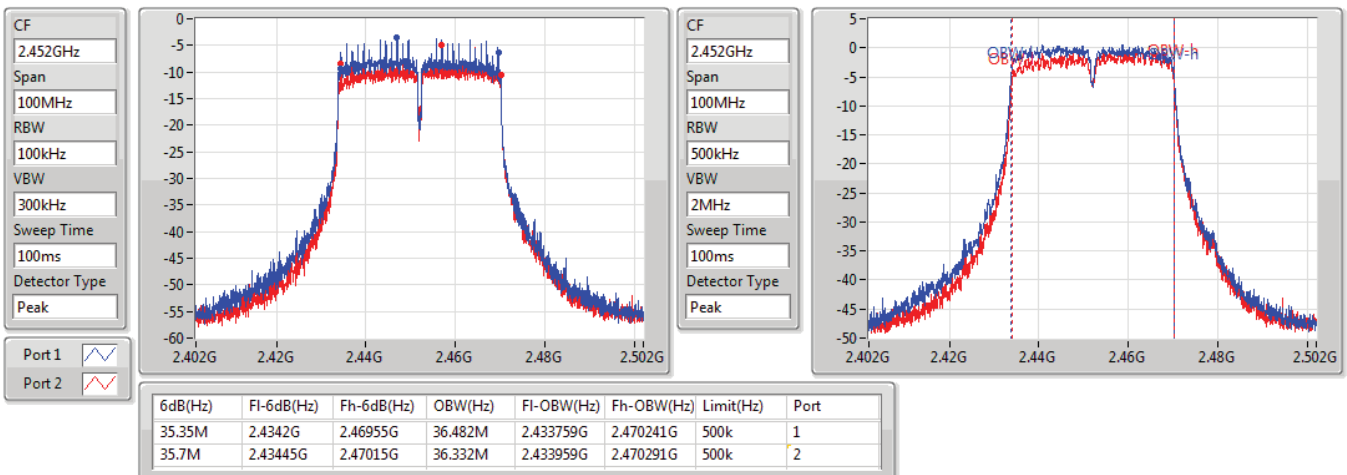
15/03/2020



# VHT40\_Nss1,(MCS0)\_2TX

2452MHz

15/03/2020



**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | 8.575M           | 13.368M         | 13M4G1D  | 7.05M            | 12.994M         |
| 802.11g_Nss1,(6Mbps)_2TX       | 16.35M           | 16.717M         | 16M7D1D  | 15.9M            | 16.367M         |
| VHT20_Nss1,(MCS0)_2TX          | 17.575M          | 17.941M         | 17M9D1D  | 16.525M          | 17.541M         |
| VHT40_Nss1,(MCS0)_2TX          | 36.3M            | 36.232M         | 36M2D1D  | 33.75M           | 35.982M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 18.875M          | 19.065M         | 19M1D1D  | 17.625M          | 18.891M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 37.9M            | 37.831M         | 37M8D1D  | 37.25M           | 37.681M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;



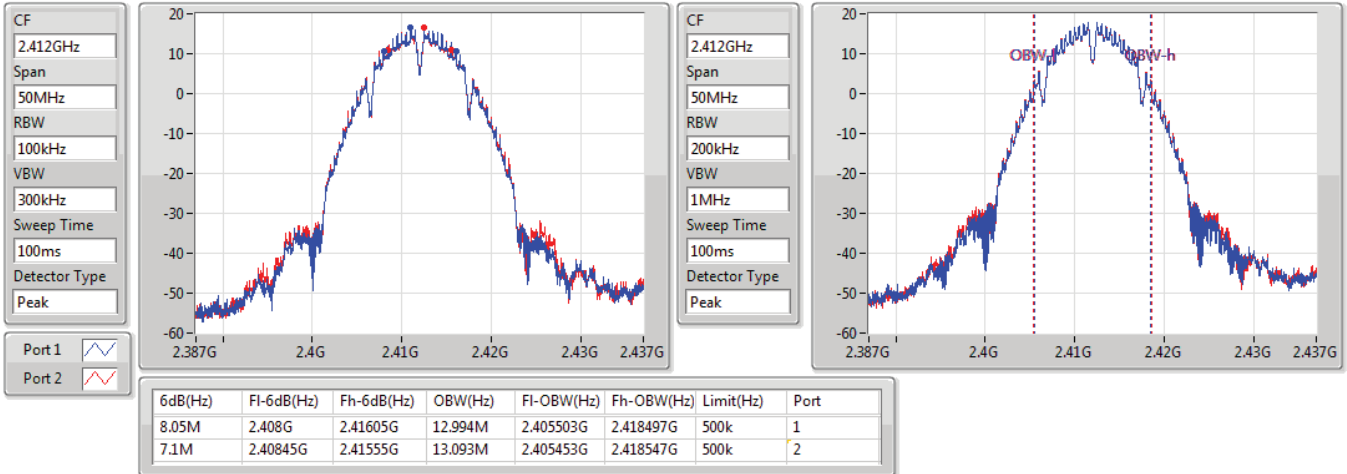
**Result**

| Mode                           | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 8.05M               | 12.994M            | 7.1M                | 13.093M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 7.05M               | 13.218M            | 8.025M              | 13.368M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 8.575M              | 13.218M            | 7.55M               | 13.218M            |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 16.3M               | 16.367M            | 16.3M               | 16.367M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 15.9M               | 16.592M            | 16.275M             | 16.717M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 16.35M              | 16.467M            | 16.325M             | 16.442M            |
| VHT20_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 17.25M              | 17.541M            | 16.525M             | 17.541M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 17.05M              | 17.766M            | 17.5M               | 17.941M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 17.55M              | 17.591M            | 17.575M             | 17.616M            |
| VHT40_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom               | Pass   | 500k          | 36.3M               | 36.232M            | 36.3M               | 36.182M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 35.05M              | 35.982M            | 34.95M              | 36.082M            |
| 2452MHz_TnomVnom               | Pass   | 500k          | 33.75M              | 36.132M            | 34.35M              | 36.182M            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 18.7M               | 18.891M            | 18.775M             | 18.916M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 17.625M             | 19.015M            | 18.625M             | 19.065M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 18.875M             | 18.966M            | 18.875M             | 18.991M            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom               | Pass   | 500k          | 37.9M               | 37.731M            | 37.85M              | 37.831M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 37.25M              | 37.681M            | 37.45M              | 37.731M            |
| 2452MHz_TnomVnom               | Pass   | 500k          | 37.9M               | 37.731M            | 37.45M              | 37.781M            |

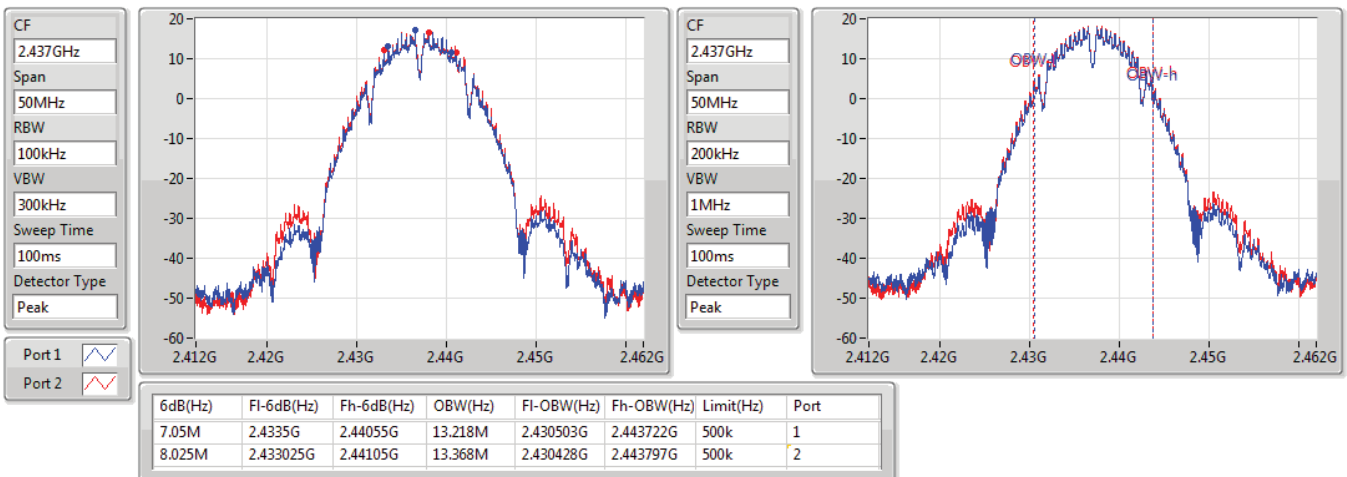
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2412MHz**

11/03/2020


**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2437MHz**

11/03/2020

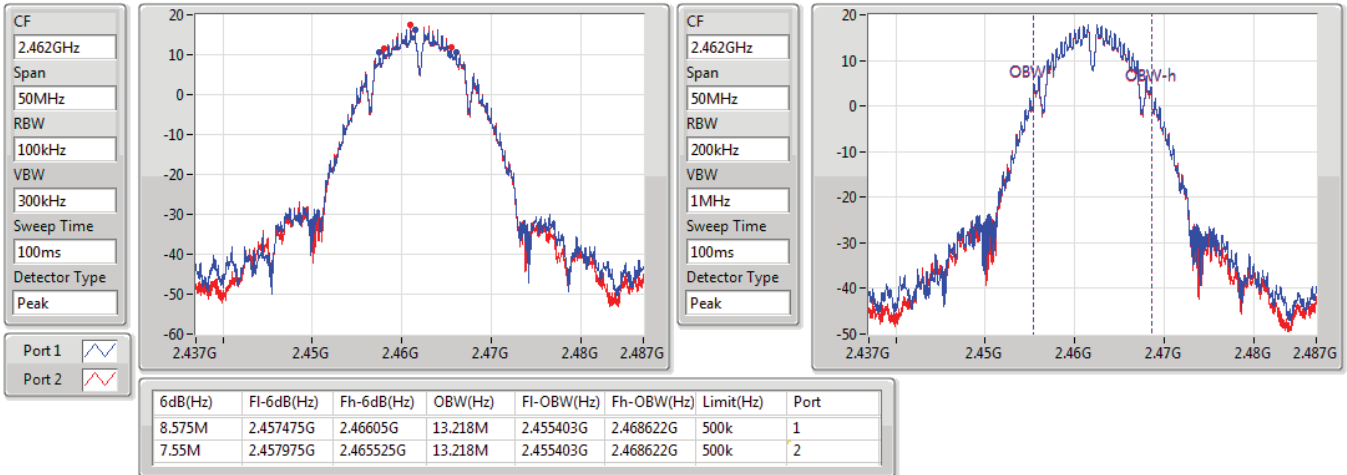


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2462MHz

11/03/2020

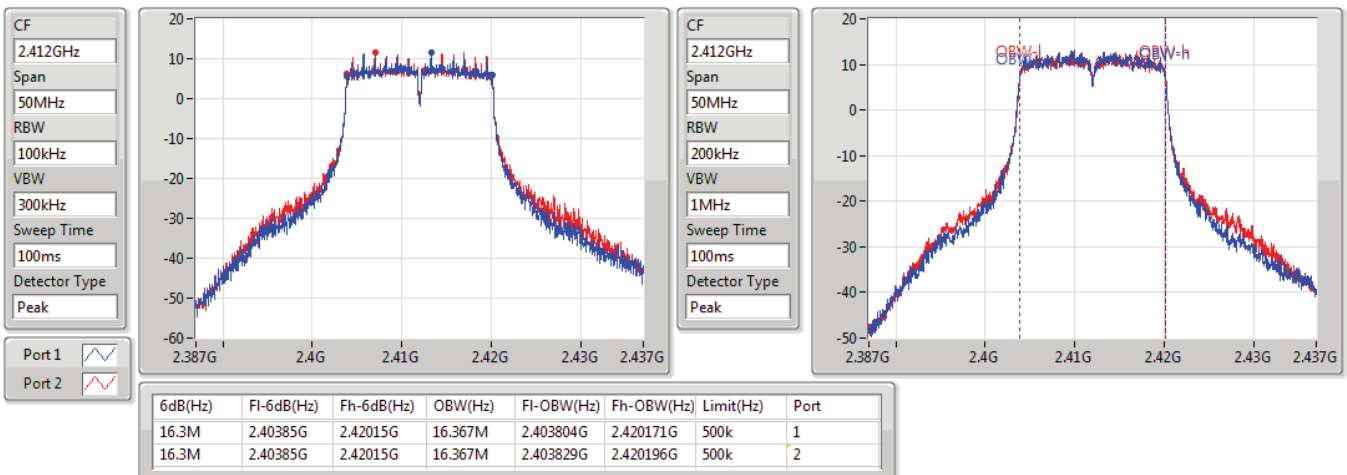


## 802.11g\_Nss1,(6Mbps)\_2TX

EBW

2412MHz

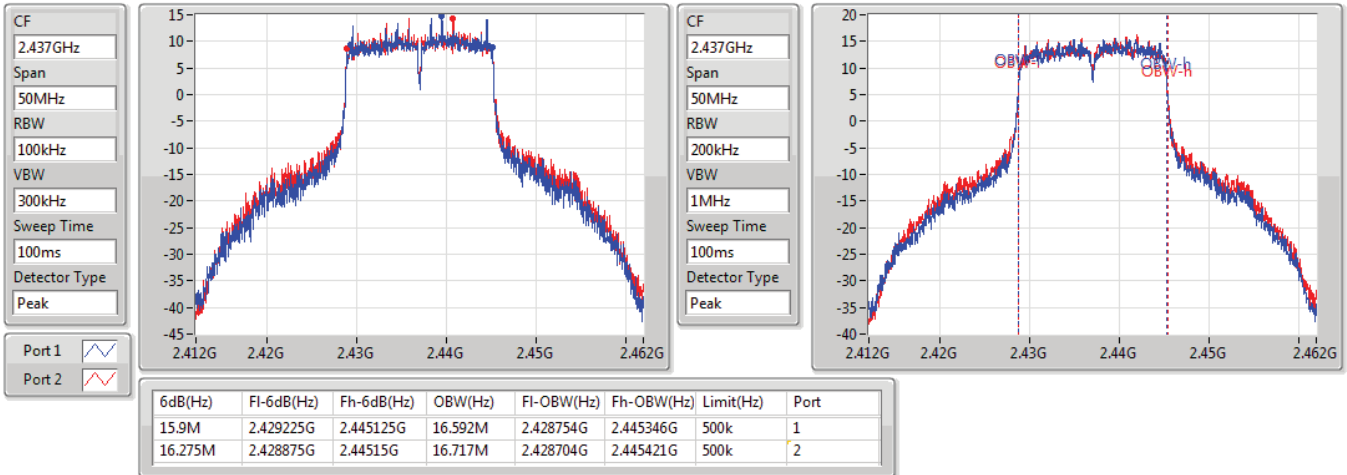
11/03/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

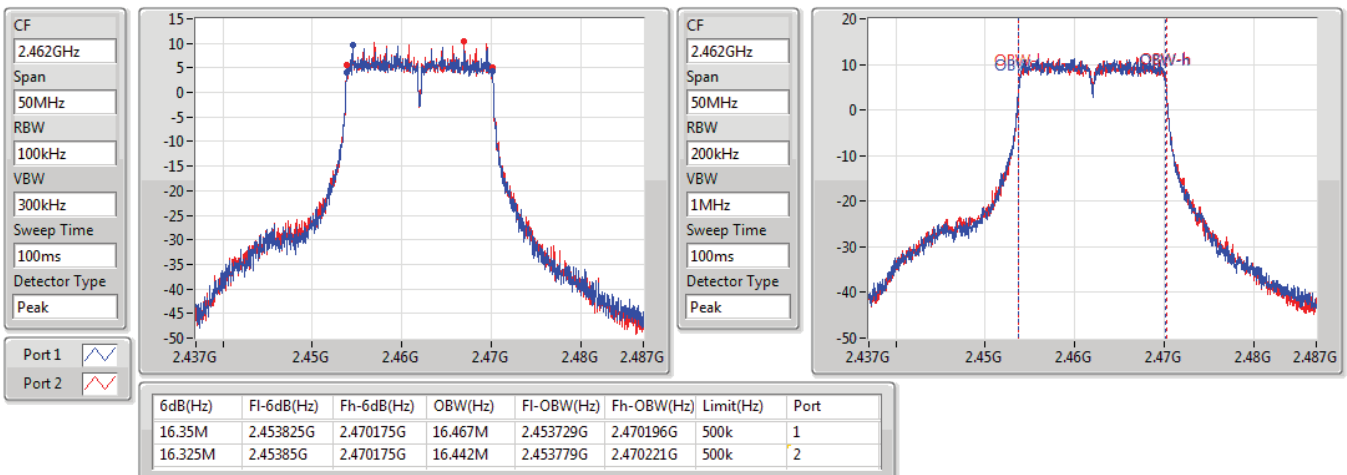
11/03/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

11/03/2020

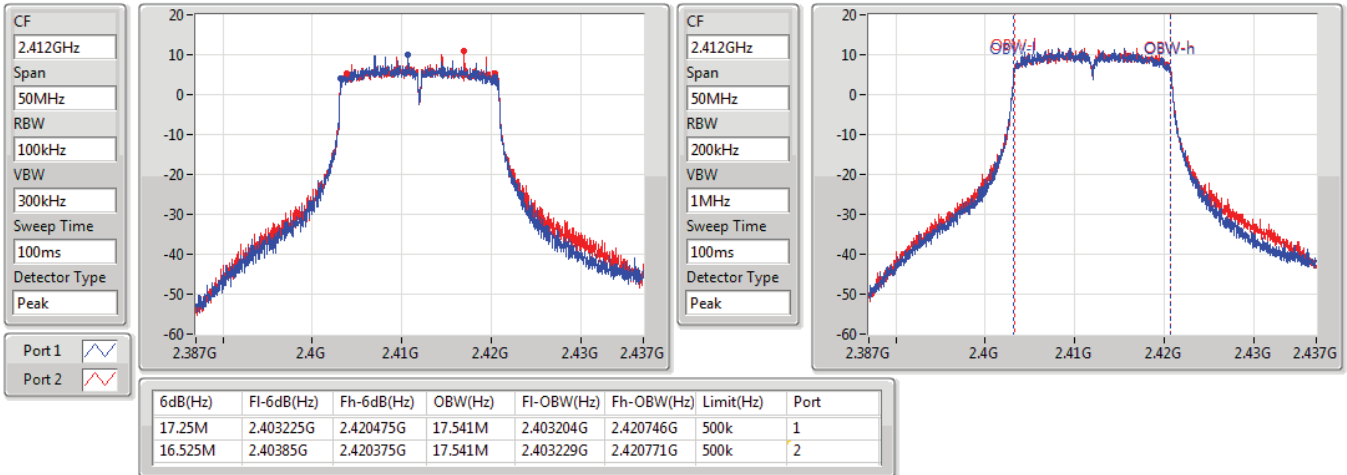


# VHT20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

13/03/2020

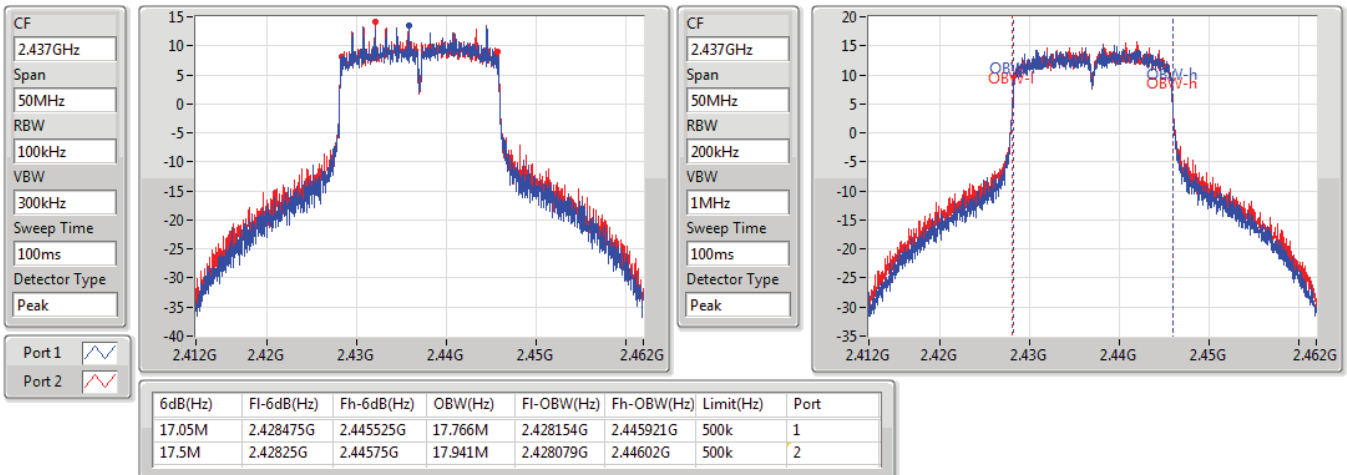


# VHT20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

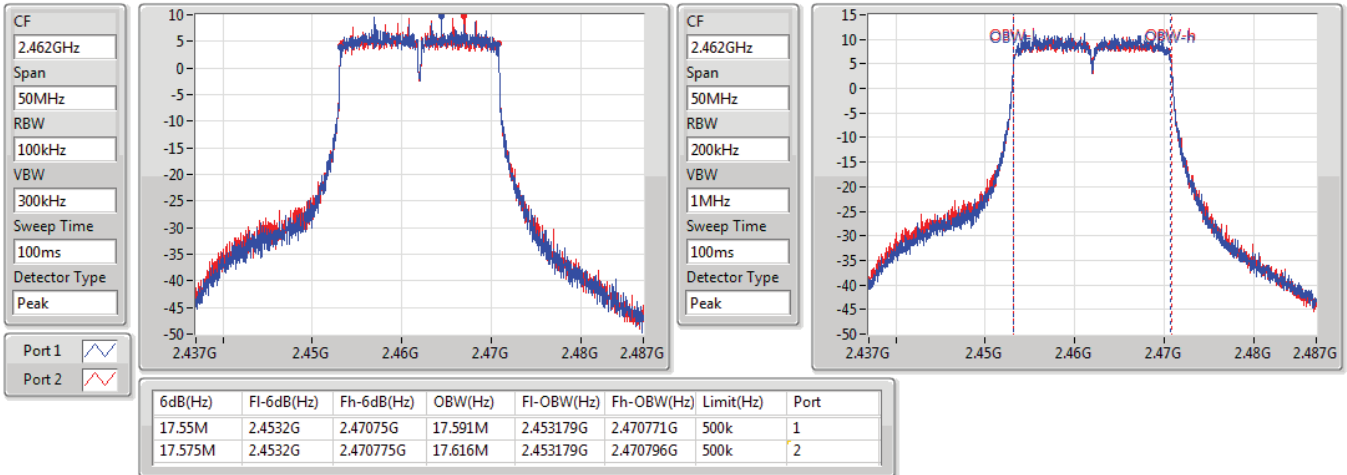
13/03/2020



# VHT20\_Nss1,(MCS0)\_2TX

2462MHz

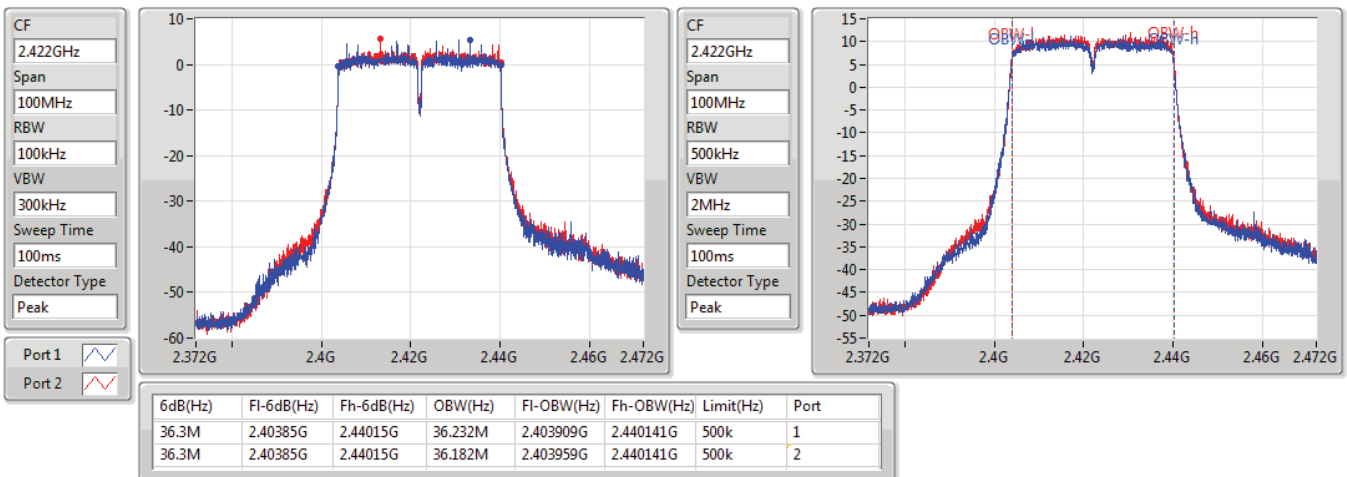
13/03/2020



# VHT40\_Nss1,(MCS0)\_2TX

2422MHz

13/03/2020

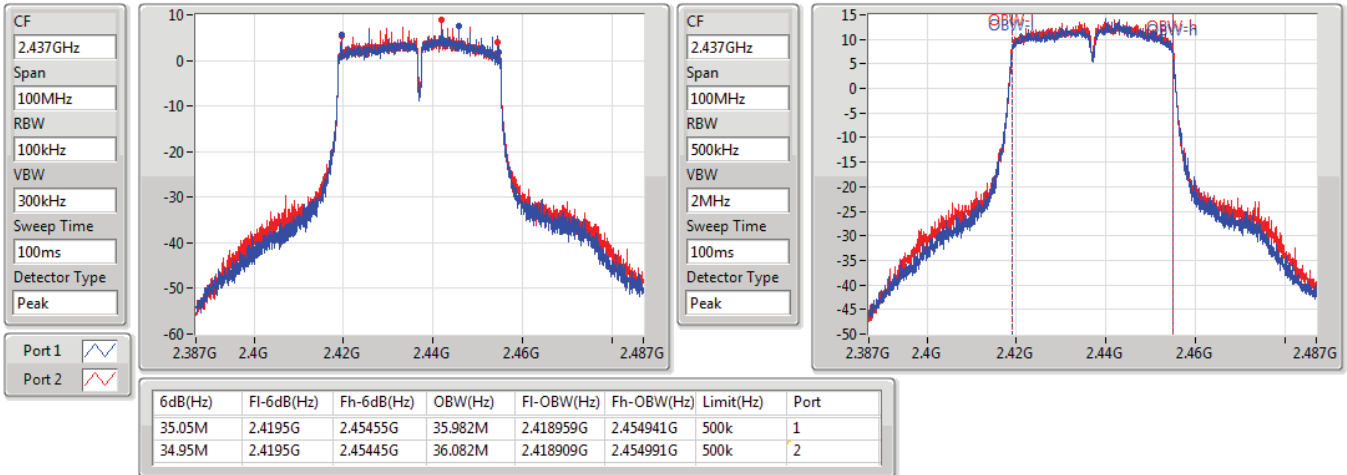


# VHT40\_Nss1,(MCS0)\_2TX

2437MHz

13/03/2020

EBW

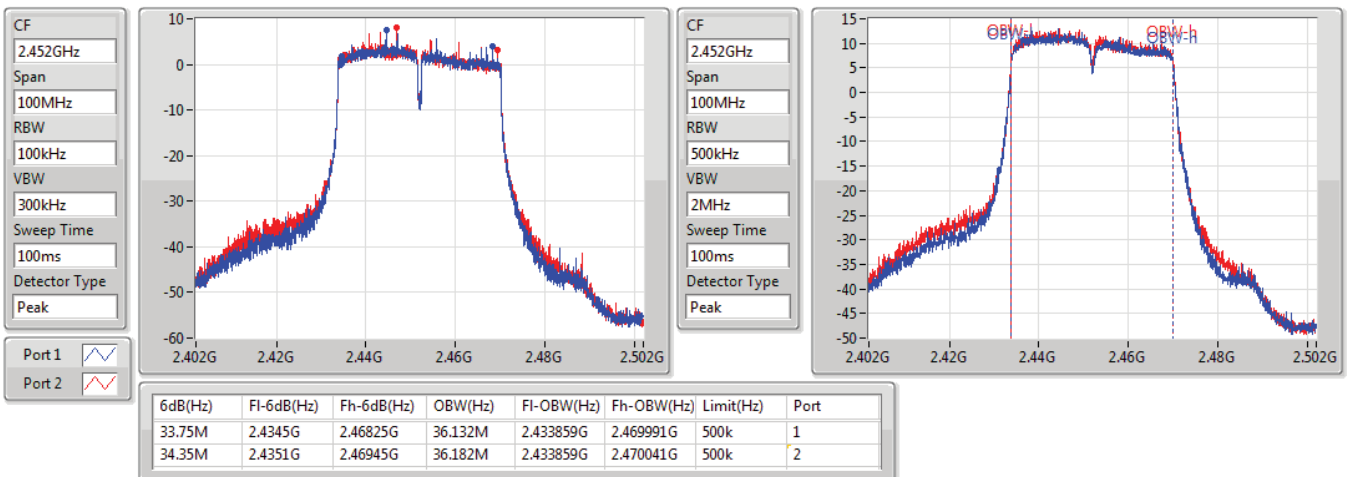


# VHT40\_Nss1,(MCS0)\_2TX

2452MHz

13/03/2020

EBW

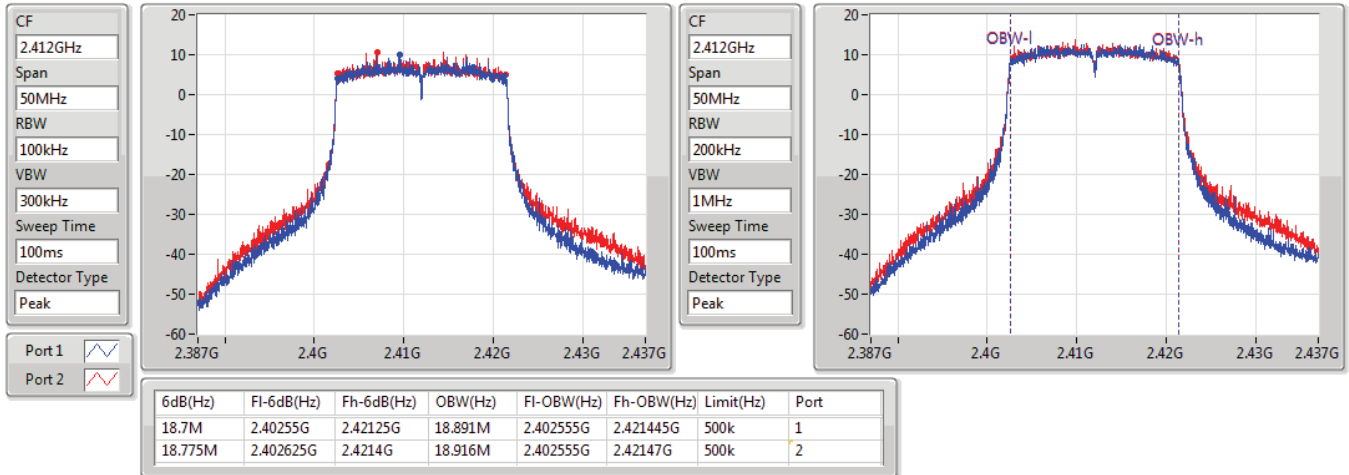


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

11/03/2020

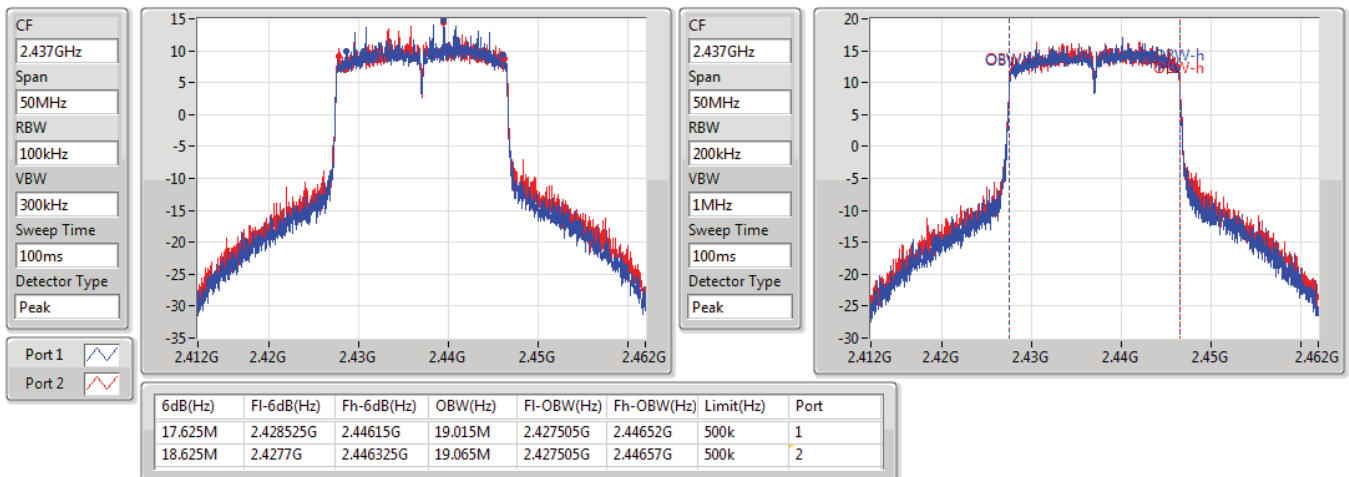


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

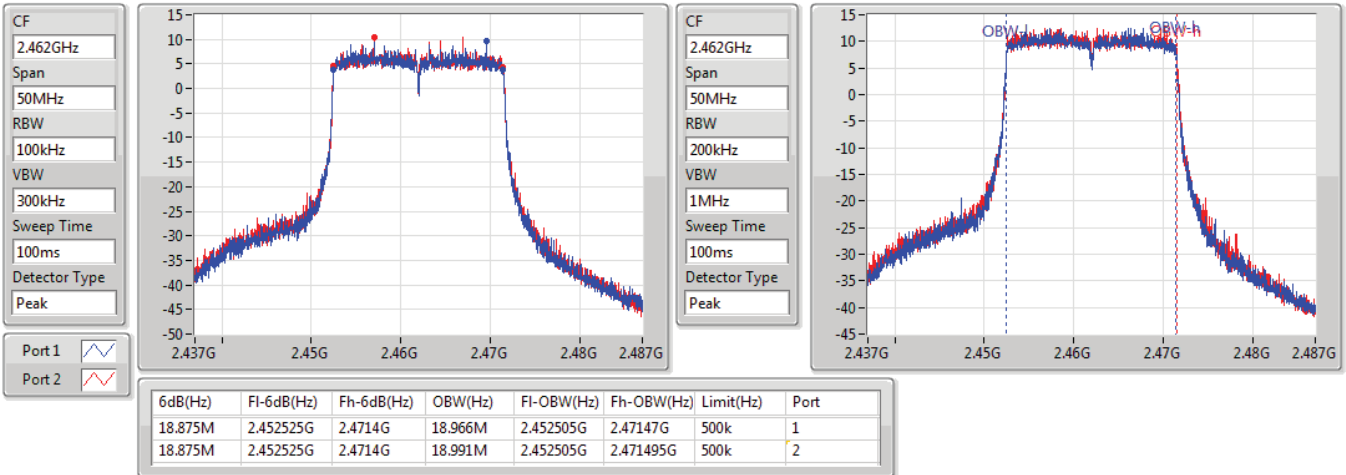
11/03/2020



## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz

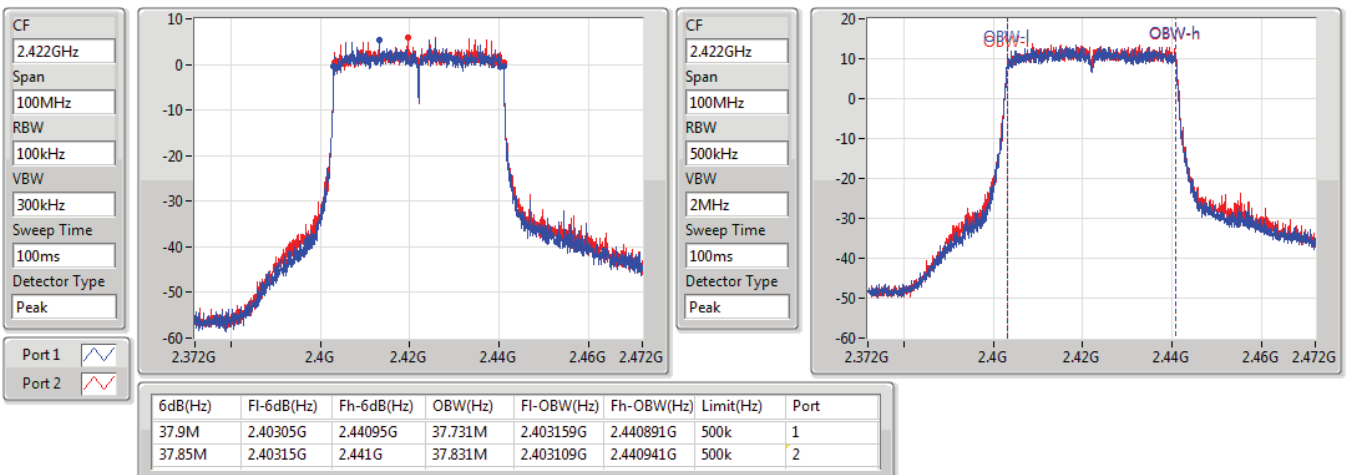
11/03/2020



## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

2422MHz

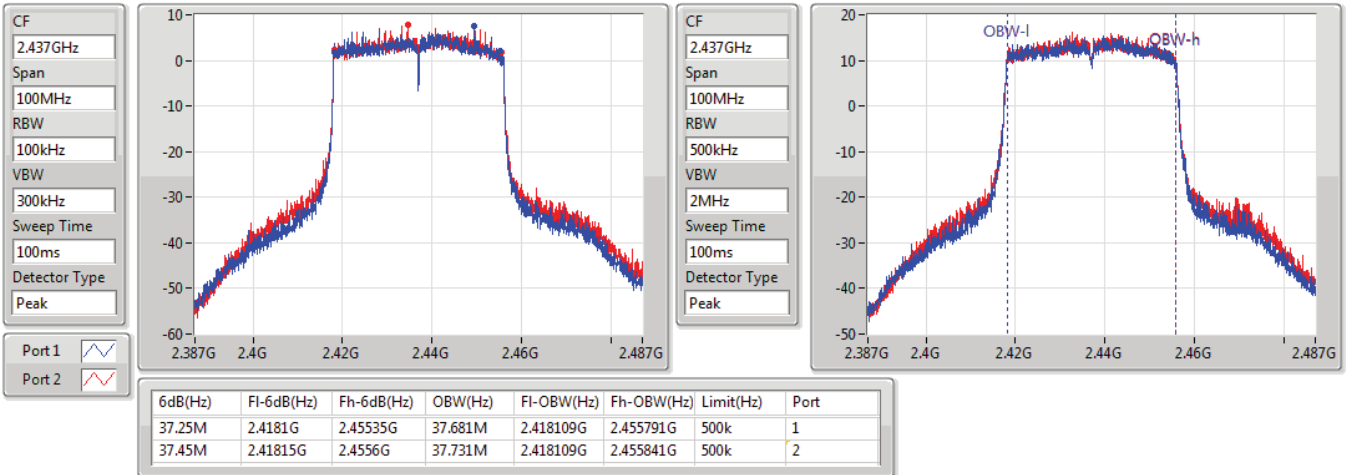
11/03/2020



## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

2437MHz

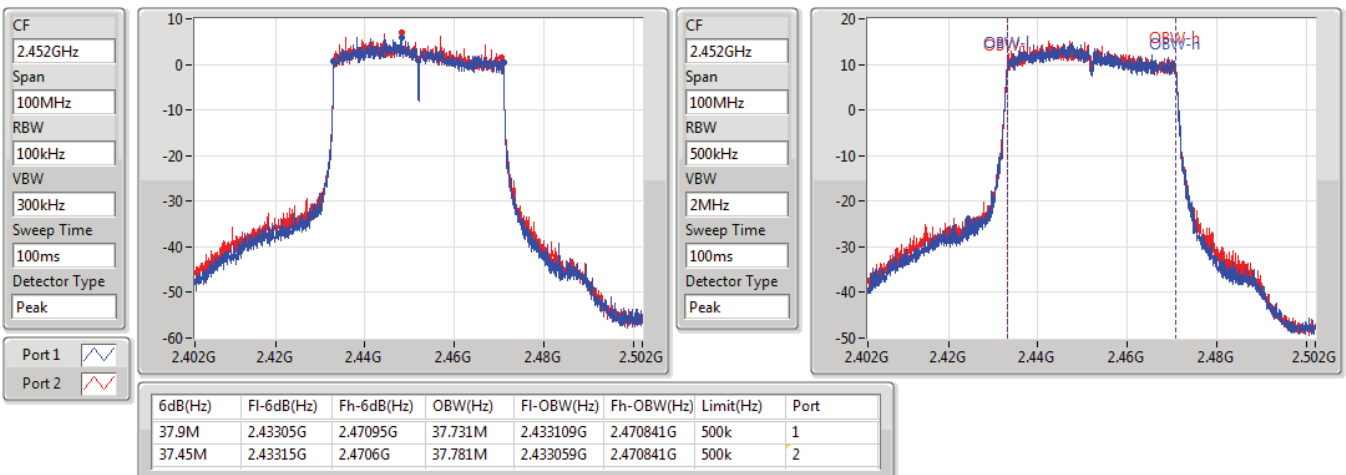
11/03/2020



## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

2452MHz

11/03/2020



**Summary**

| Mode                     | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz            | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX | 10.05M           | 13.893M         | 13M9G1D  | 9.075M           | 13.843M         |
| 802.11g_Nss1,(6Mbps)_2TX | 16.3M            | 16.942M         | 16M9D1D  | 15.65M           | 16.467M         |
| VHT20_Nss1,(MCS0)_2TX    | 17.525M          | 17.991M         | 18M0D1D  | 16.275M          | 17.616M         |
| VHT40_Nss1,(MCS0)_2TX    | 35.65M           | 36.432M         | 36M4D1D  | 35.05M           | 36.282M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                     | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom         | Pass   | 500k          | 10.05M              | 13.843M            | 9.075M              | 13.843M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 9.1M                | 13.893M            | 10.05M              | 13.868M            |
| 2462MHz_TnomVnom         | Pass   | 500k          | 10.05M              | 13.868M            | 9.6M                | 13.868M            |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom         | Pass   | 500k          | 15.925M             | 16.492M            | 15.9M               | 16.467M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 16.3M               | 16.742M            | 15.65M              | 16.942M            |
| 2462MHz_TnomVnom         | Pass   | 500k          | 16.275M             | 16.517M            | 15.9M               | 16.467M            |
| VHT20_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom         | Pass   | 500k          | 16.925M             | 17.641M            | 17.175M             | 17.641M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 17.525M             | 17.841M            | 16.275M             | 17.991M            |
| 2462MHz_TnomVnom         | Pass   | 500k          | 16.825M             | 17.666M            | 16.275M             | 17.616M            |
| VHT40_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom         | Pass   | 500k          | 35.65M              | 36.382M            | 35.65M              | 36.282M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 35.05M              | 36.382M            | 35.6M               | 36.282M            |
| 2452MHz_TnomVnom         | Pass   | 500k          | 35.35M              | 36.432M            | 35.65M              | 36.282M            |

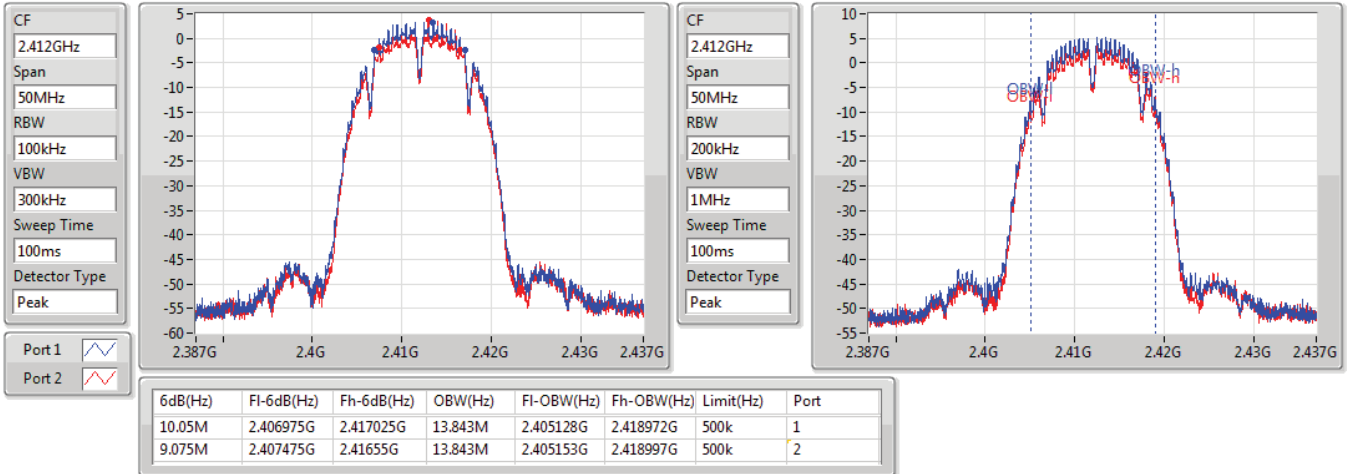
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2412MHz

14/03/2020

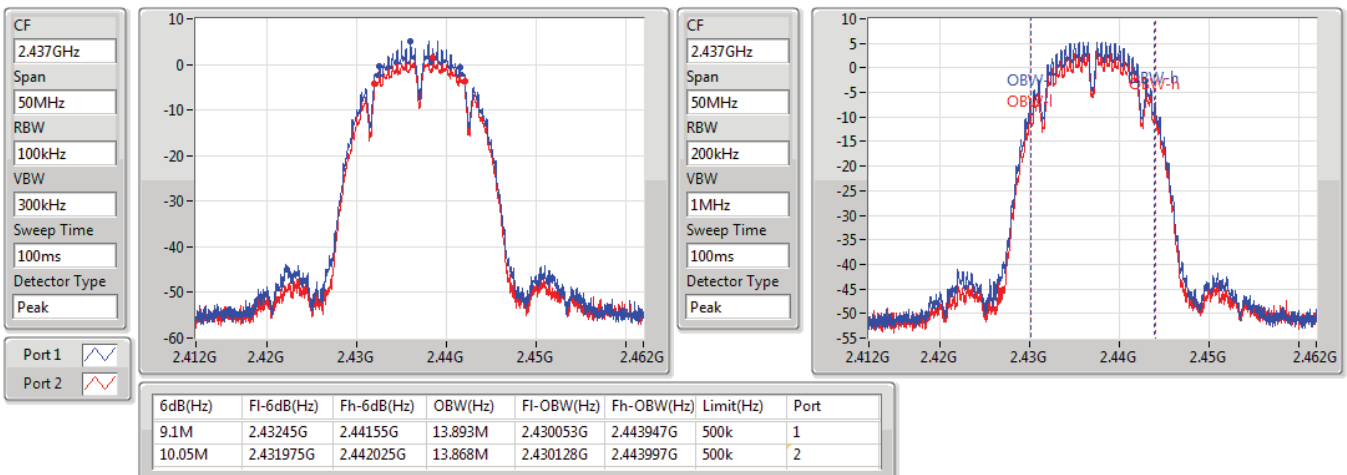


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

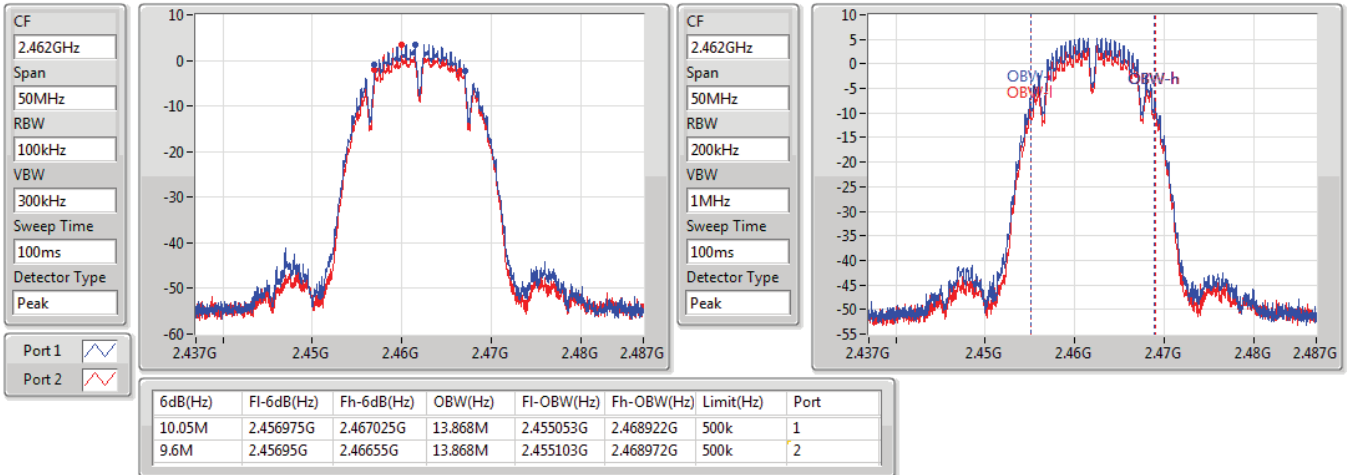
2437MHz

14/03/2020

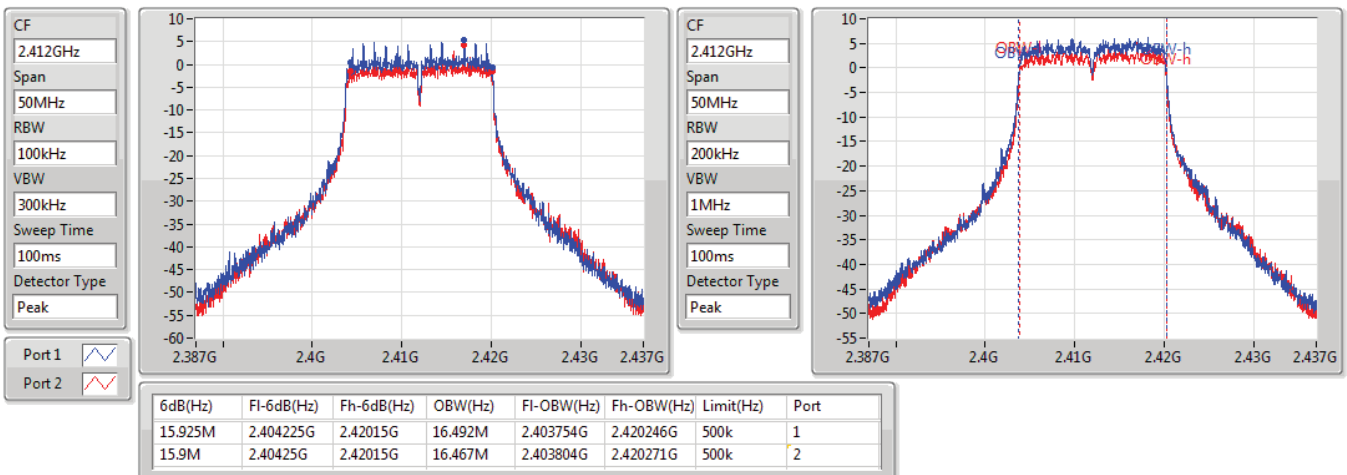


**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2462MHz**

14/03/2020


**802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2412MHz**

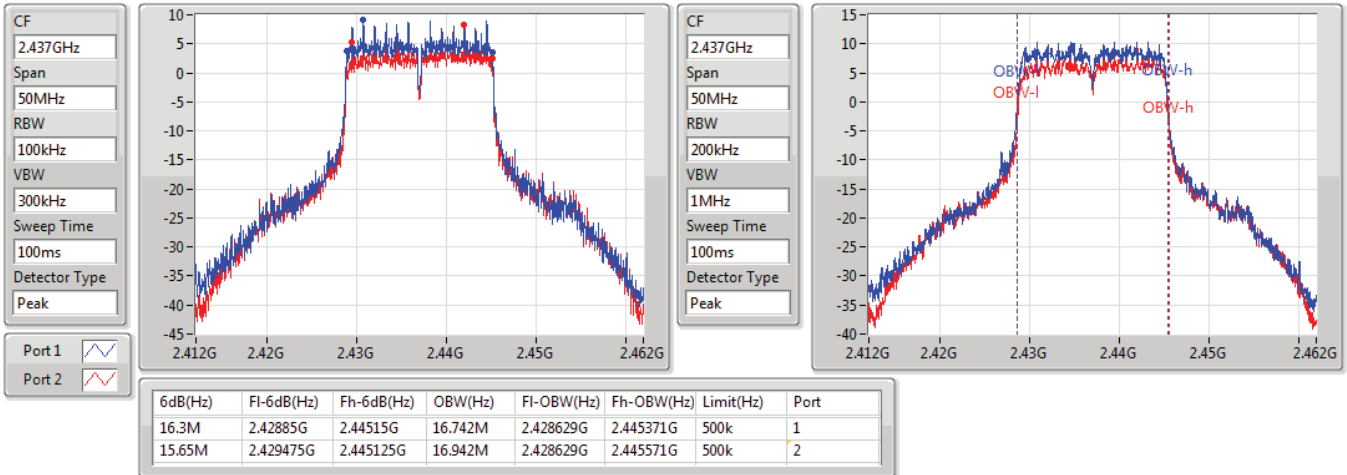
14/03/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

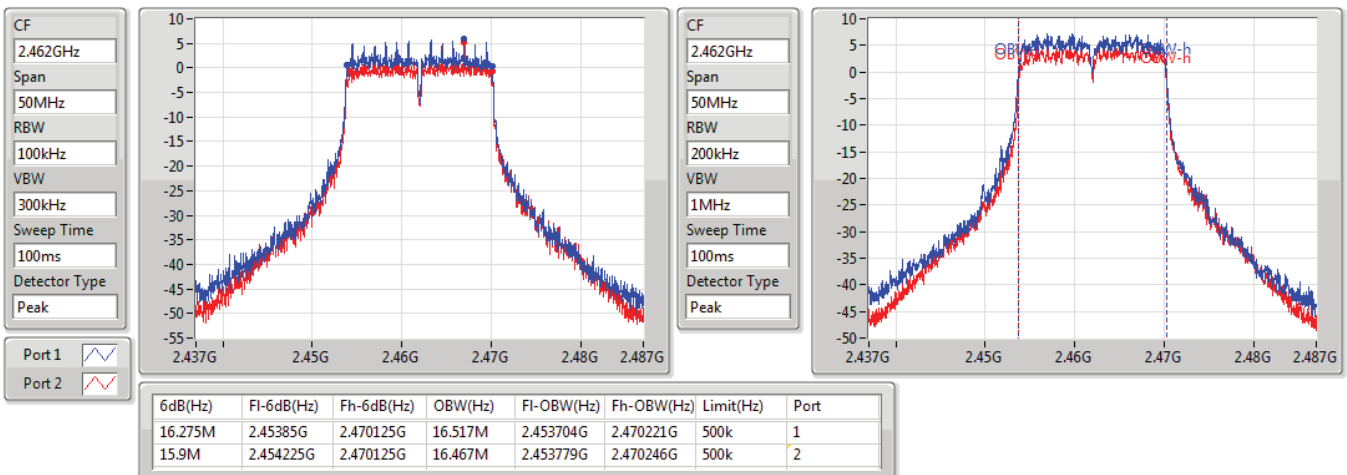
14/03/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

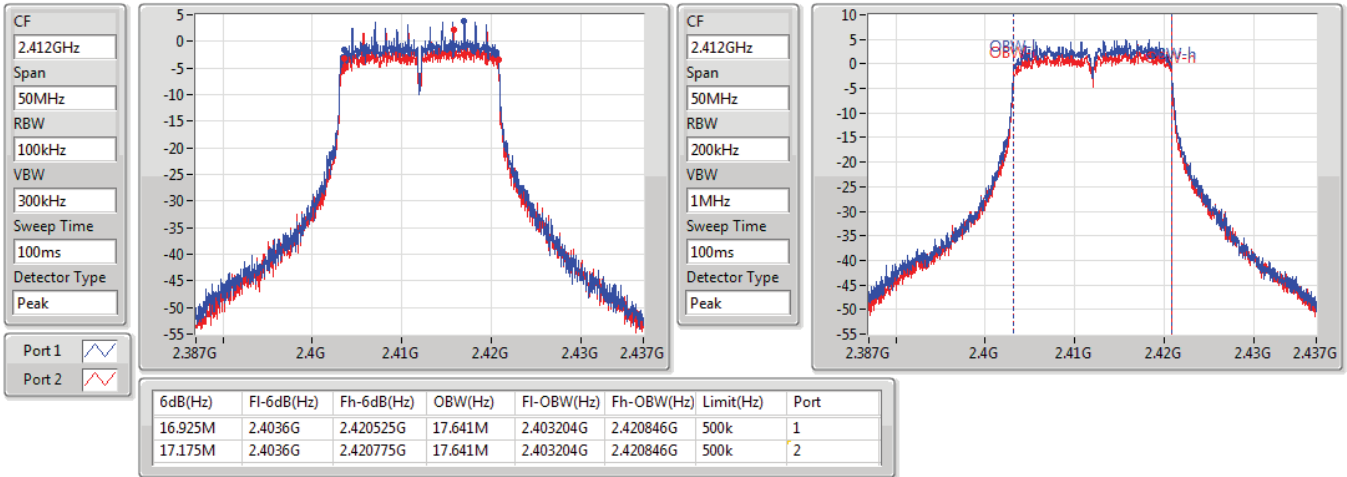
14/03/2020



# VHT20\_Nss1,(MCS0)\_2TX

2412MHz

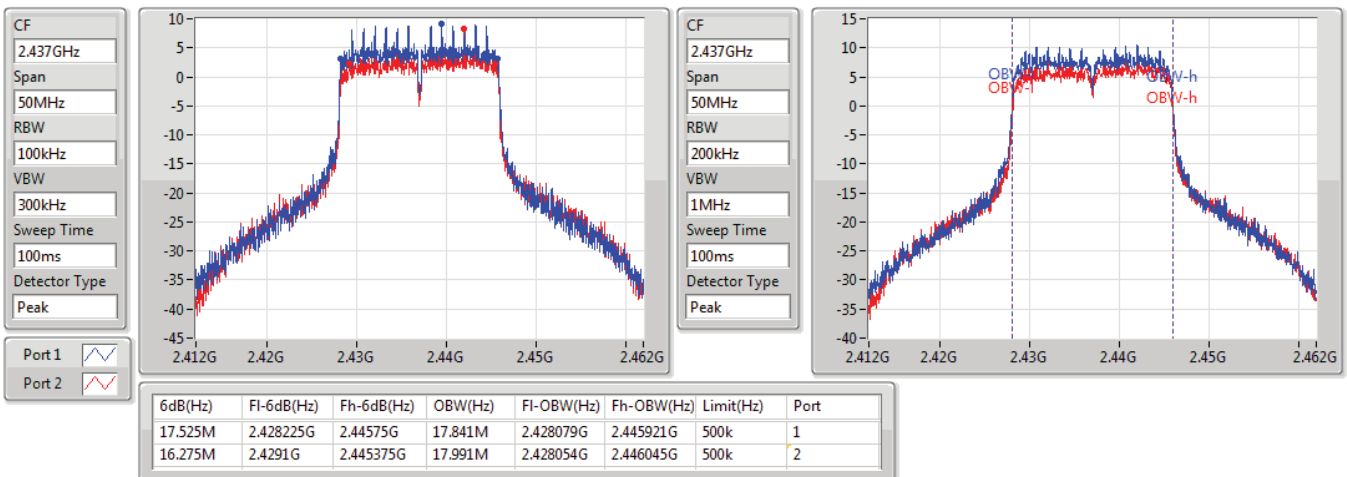
14/03/2020



# VHT20\_Nss1,(MCS0)\_2TX

2437MHz

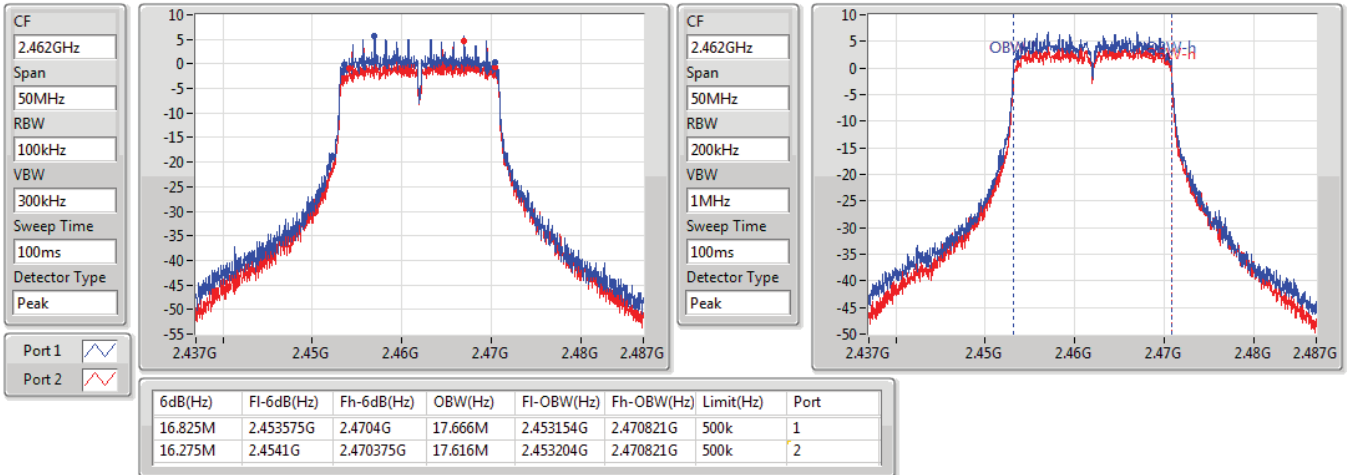
14/03/2020



# VHT20\_Nss1,(MCS0)\_2TX

2462MHz

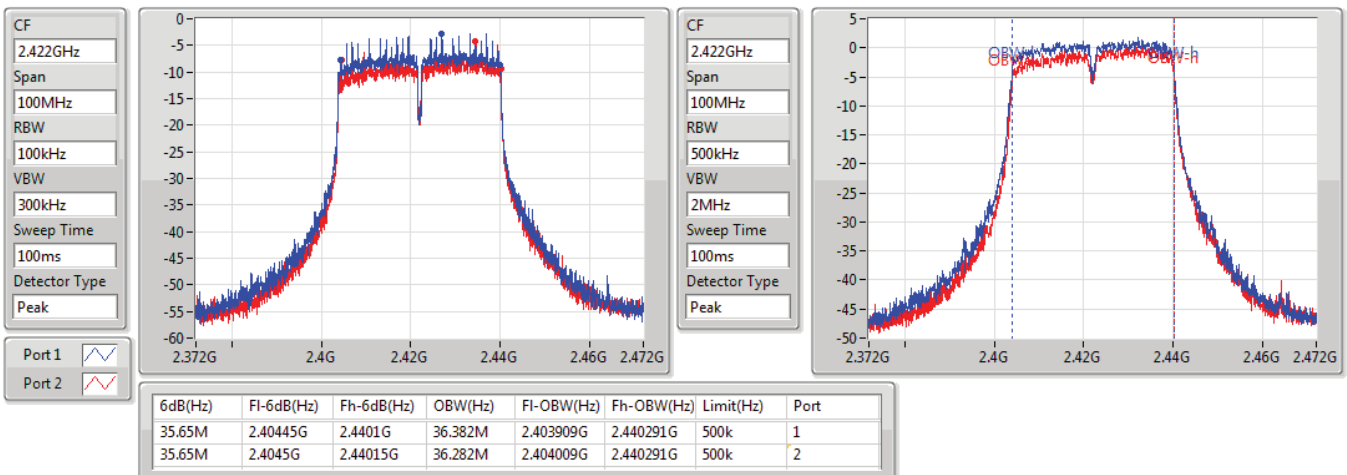
14/03/2020



# VHT40\_Nss1,(MCS0)\_2TX

2422MHz

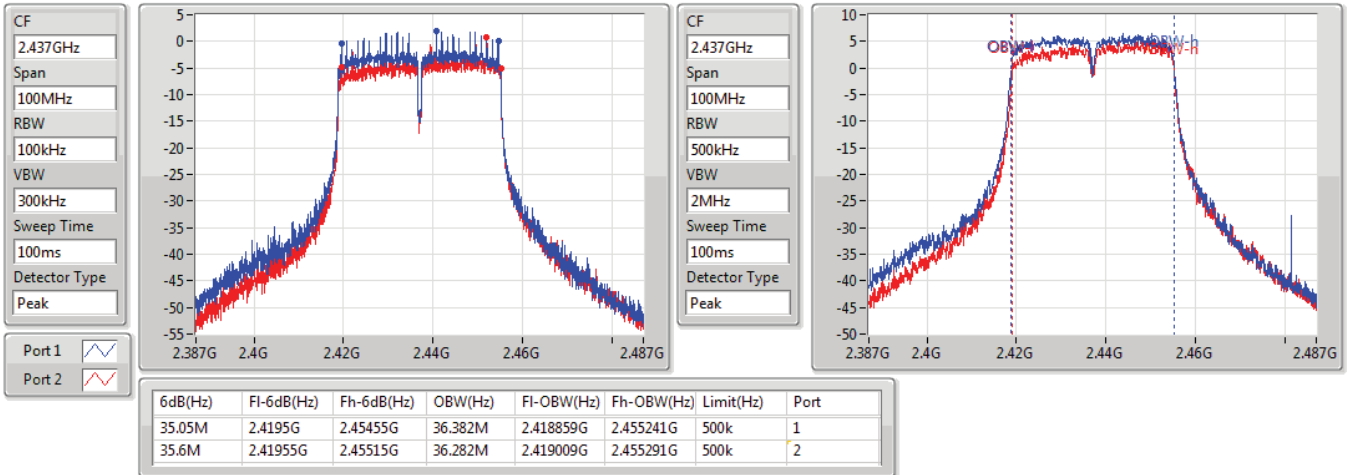
14/03/2020



# VHT40\_Nss1,(MCS0)\_2TX

2437MHz

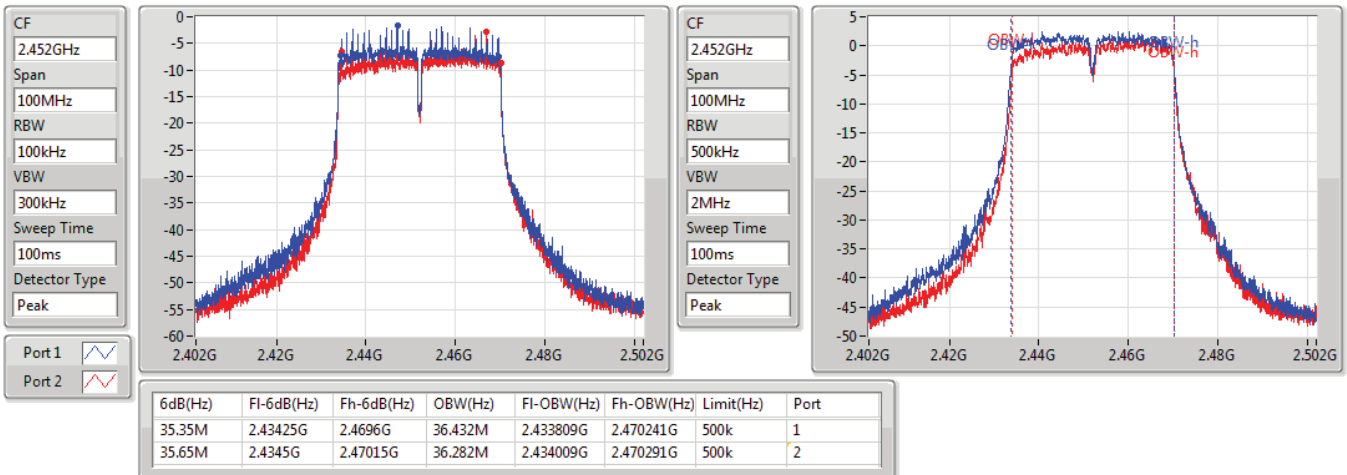
14/03/2020



# VHT40\_Nss1,(MCS0)\_2TX

2452MHz

14/03/2020



**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | 7.6M             | 13.073M         | 13M1G1D  | 7.05M            | 12.814M         |
| 802.11g_Nss1,(6Mbps)_2TX       | 16.325M          | 16.472M         | 16M5D1D  | 15.875M          | 16.352M         |
| VHT20_Nss1,(MCS0)_2TX          | 17.575M          | 17.671M         | 17M7D1D  | 16.9M            | 17.551M         |
| VHT40_Nss1,(MCS0)_2TX          | 36.3M            | 36.182M         | 36M2D1D  | 32.8M            | 35.982M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 18.9M            | 18.991M         | 19M0D1D  | 17.85M           | 18.871M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 38.05M           | 37.781M         | 37M8D1D  | 35.25M           | 37.581M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                           | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 7.05M               | 12.814M            | 7.05M               | 12.854M            |
| 2437MHz                        | Pass   | 500k          | 7.55M               | 12.954M            | 7.575M              | 13.013M            |
| 2462MHz                        | Pass   | 500k          | 7.05M               | 13.073M            | 7.6M                | 13.013M            |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 16.25M              | 16.372M            | 16.3M               | 16.352M            |
| 2437MHz                        | Pass   | 500k          | 16.3M               | 16.452M            | 15.875M             | 16.452M            |
| 2462MHz                        | Pass   | 500k          | 16.325M             | 16.472M            | 16.3M               | 16.432M            |
| VHT20_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 16.95M              | 17.551M            | 16.9M               | 17.591M            |
| 2437MHz                        | Pass   | 500k          | 17.55M              | 17.631M            | 17.125M             | 17.671M            |
| 2462MHz                        | Pass   | 500k          | 17.125M             | 17.631M            | 17.575M             | 17.651M            |
| VHT40_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz                        | Pass   | 500k          | 35.75M              | 36.102M            | 36.3M               | 36.182M            |
| 2437MHz                        | Pass   | 500k          | 34.9M               | 35.982M            | 35.3M               | 36.062M            |
| 2452MHz                        | Pass   | 500k          | 32.8M               | 35.982M            | 35.65M              | 36.102M            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                        | Pass   | 500k          | 17.85M              | 18.871M            | 18.775M             | 18.911M            |
| 2437MHz                        | Pass   | 500k          | 18.6M               | 18.911M            | 18.625M             | 18.991M            |
| 2462MHz                        | Pass   | 500k          | 18.55M              | 18.911M            | 18.9M               | 18.951M            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz                        | Pass   | 500k          | 37.8M               | 37.661M            | 37.7M               | 37.781M            |
| 2437MHz                        | Pass   | 500k          | 37.3M               | 37.581M            | 38.05M              | 37.701M            |
| 2452MHz                        | Pass   | 500k          | 35.25M              | 37.581M            | 36.45M              | 37.661M            |

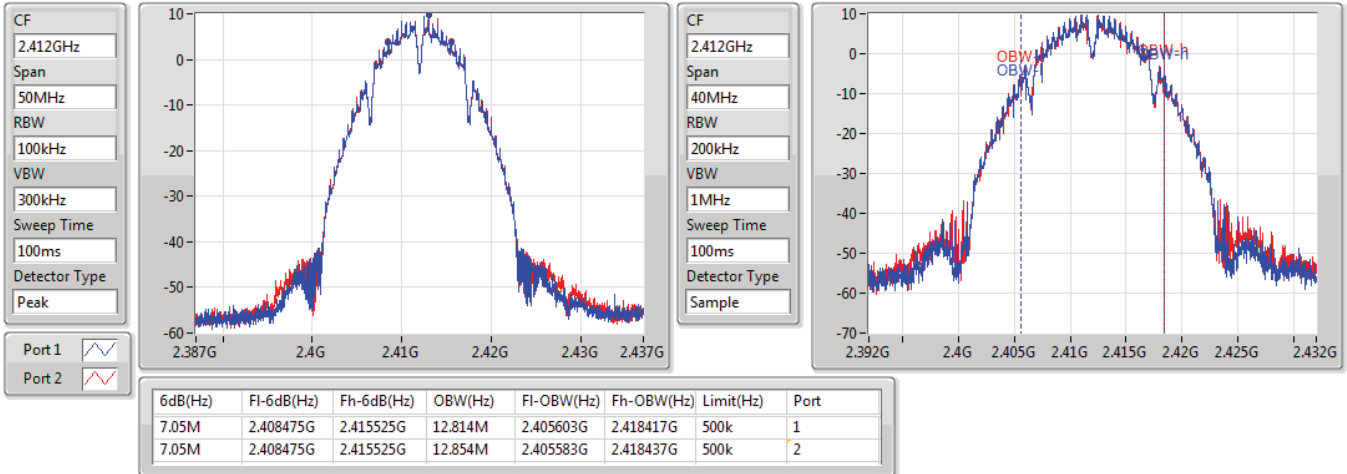
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2412MHz

03/04/2020

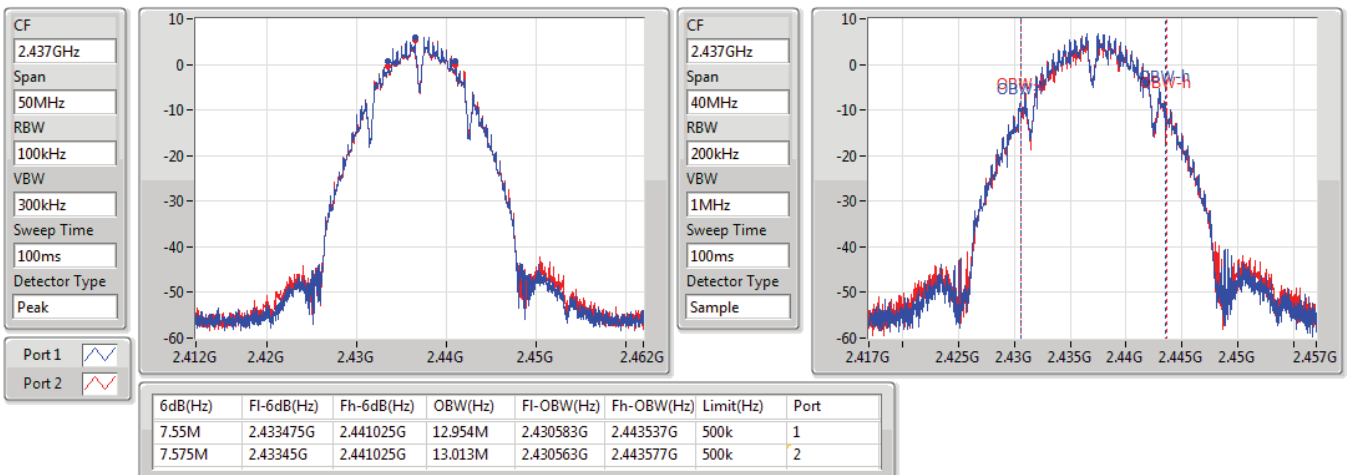


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz

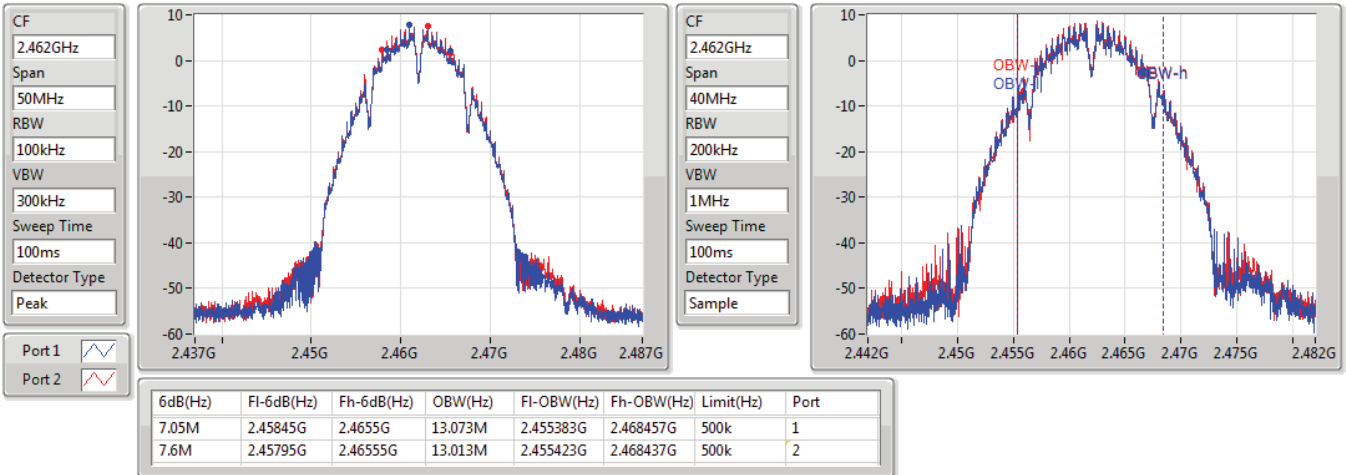
03/04/2020



## 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

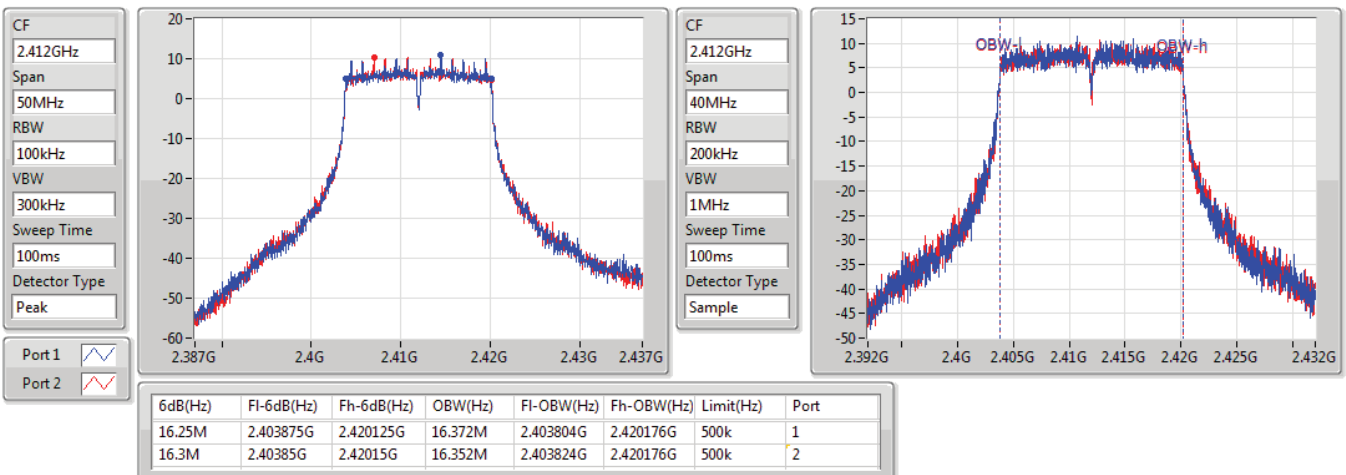
03/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

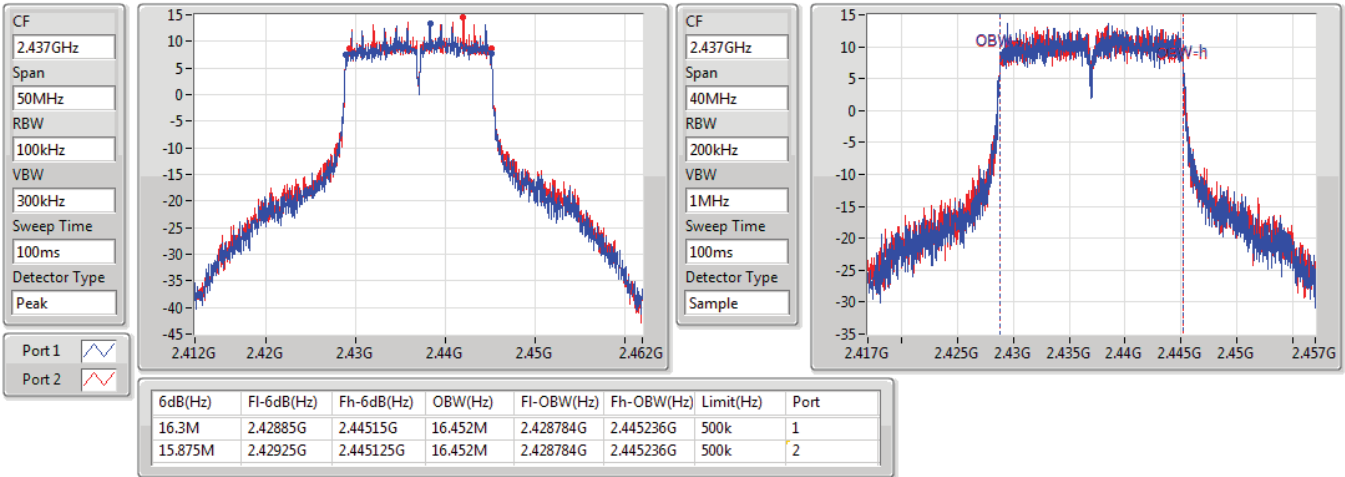
03/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

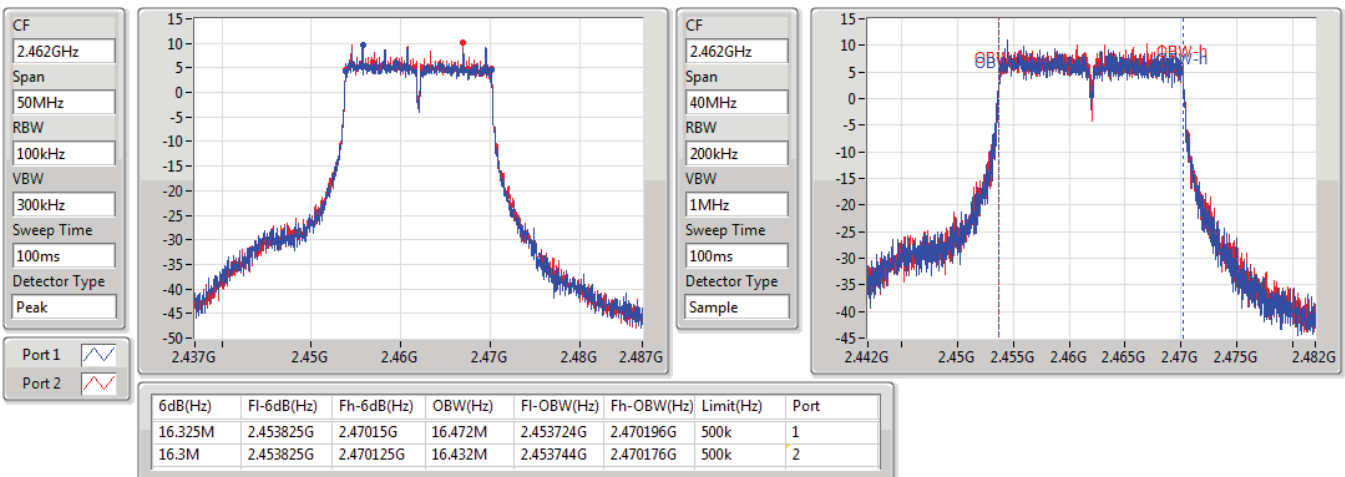
03/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

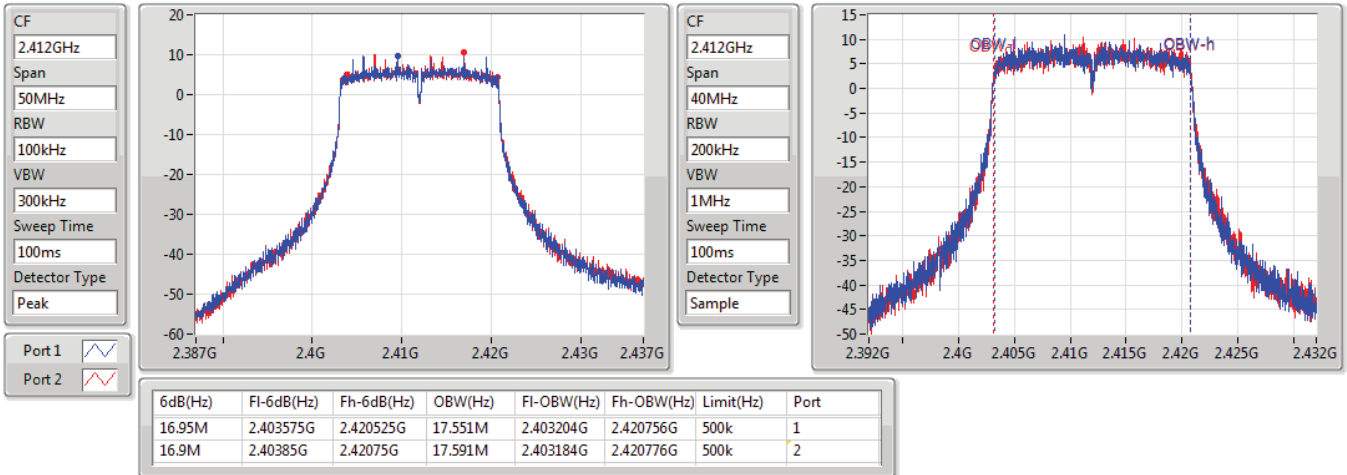
03/04/2020



# VHT20\_Nss1,(MCS0)\_2TX

2412MHz

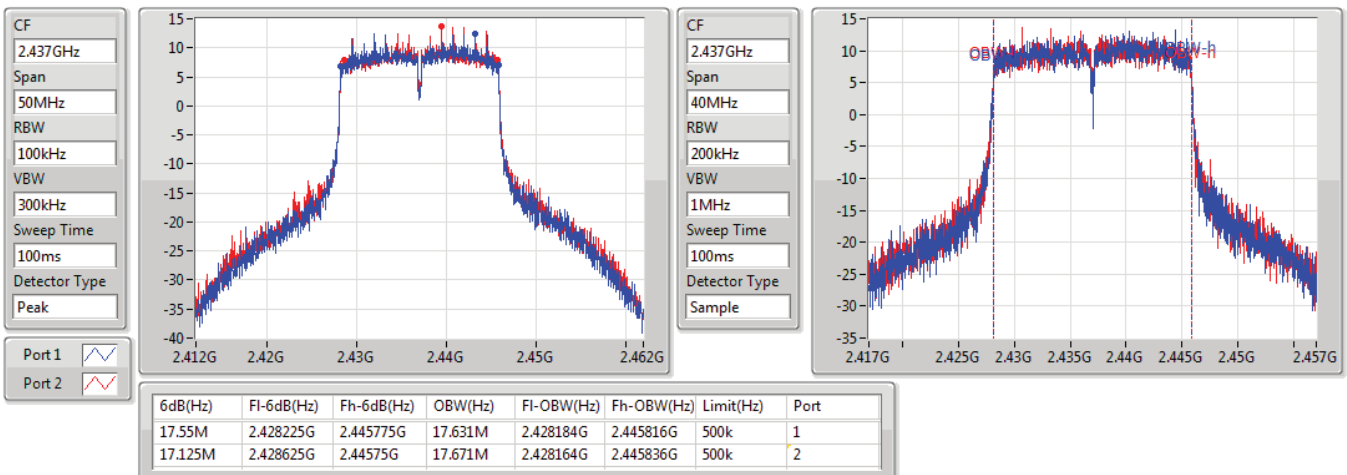
03/04/2020



# VHT20\_Nss1,(MCS0)\_2TX

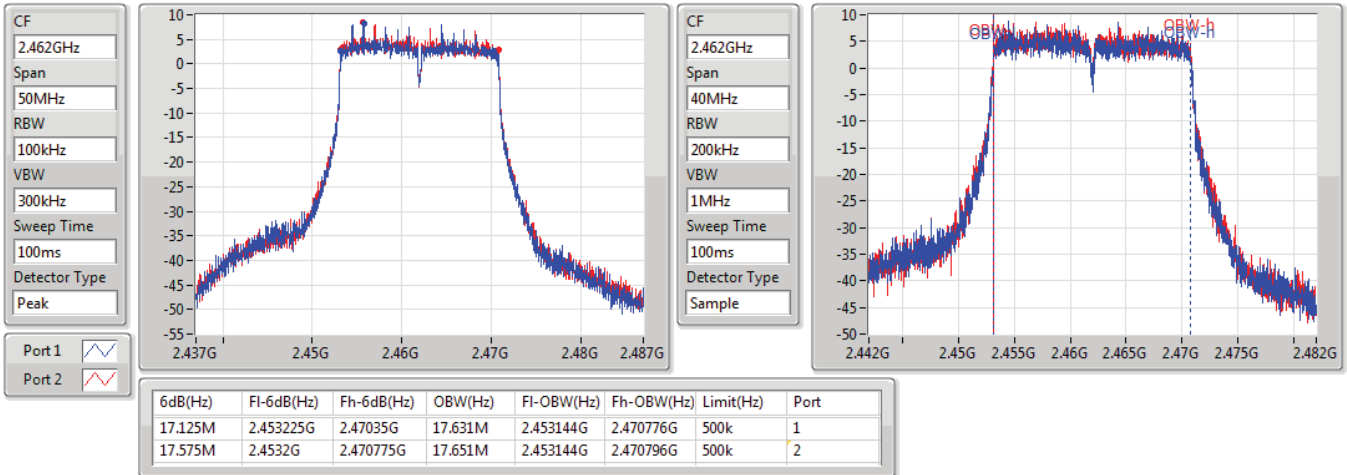
2437MHz

03/04/2020

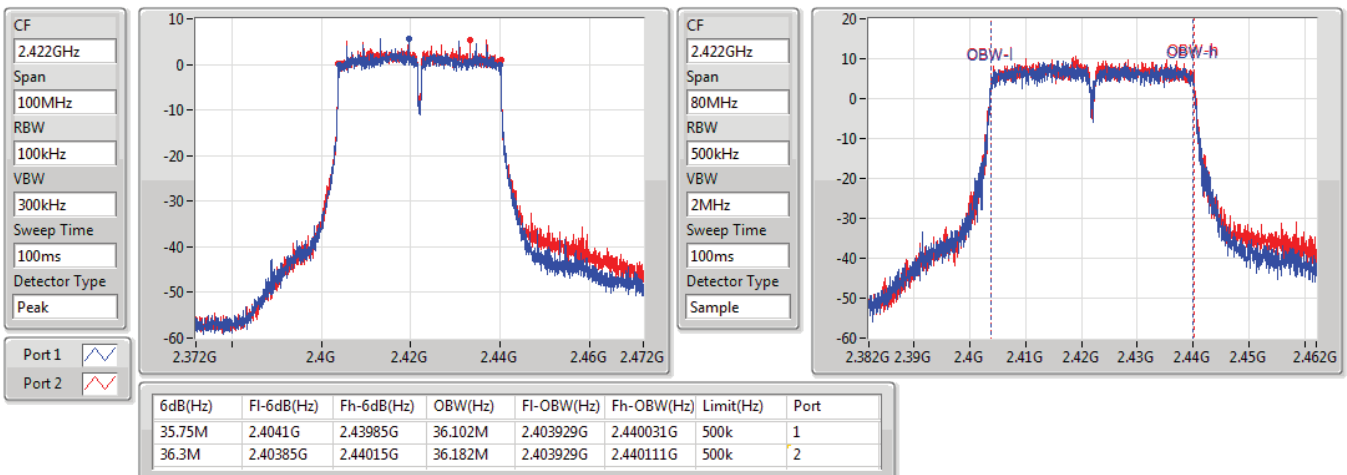


**VHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2462MHz**

03/04/2020


**VHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**

03/04/2020

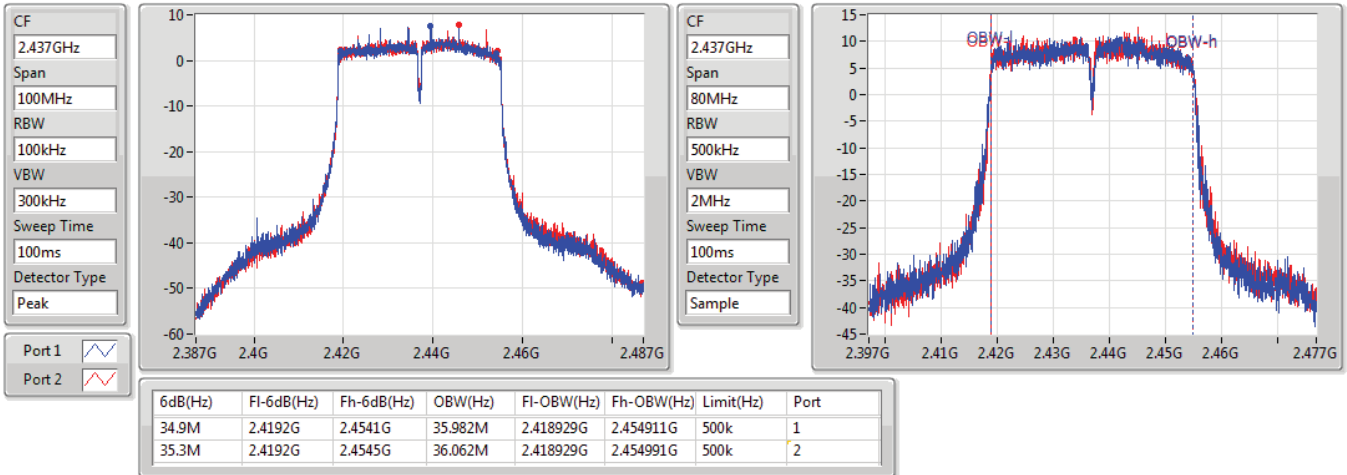


# VHT40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

03/04/2020

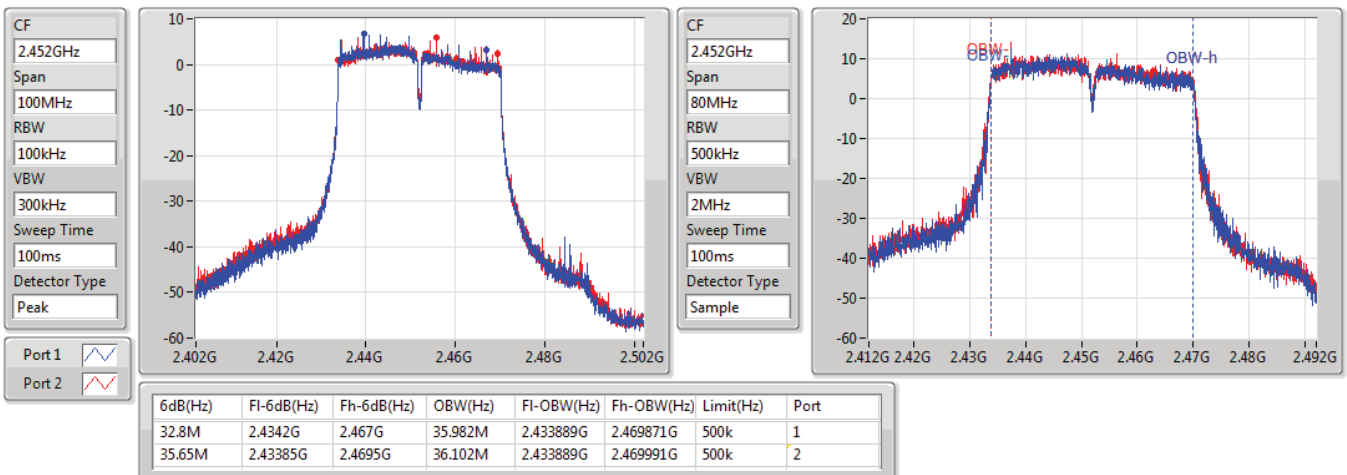


# VHT40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

03/04/2020

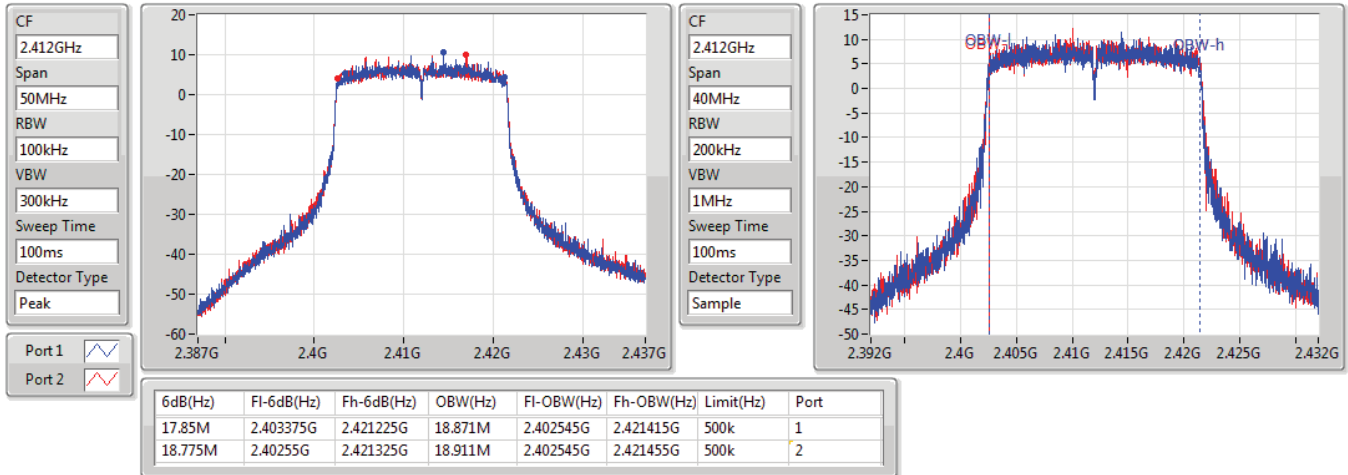


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

03/04/2020

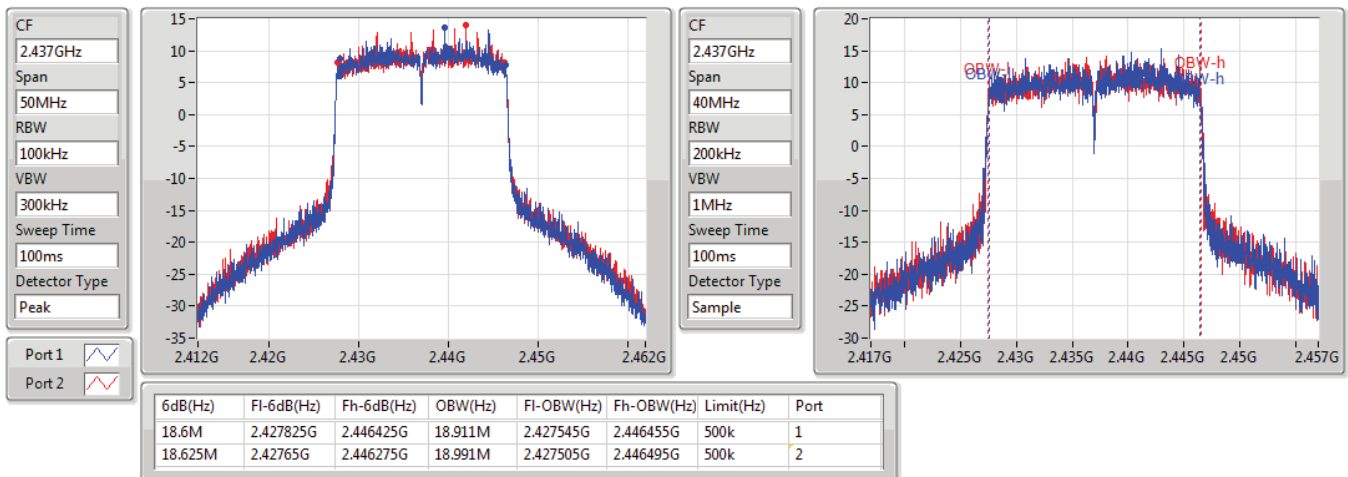


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

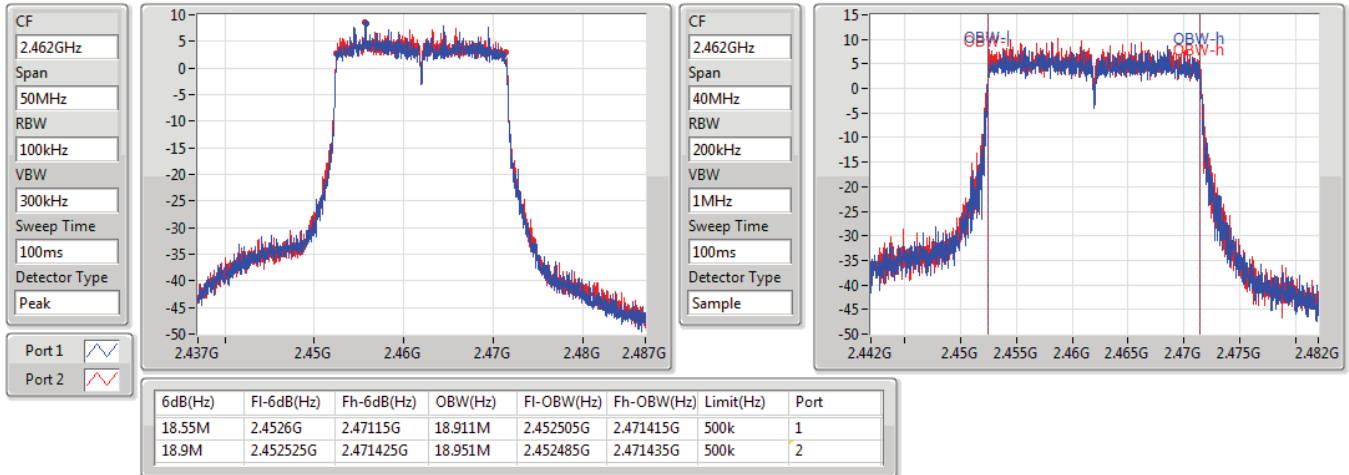
2437MHz

03/04/2020

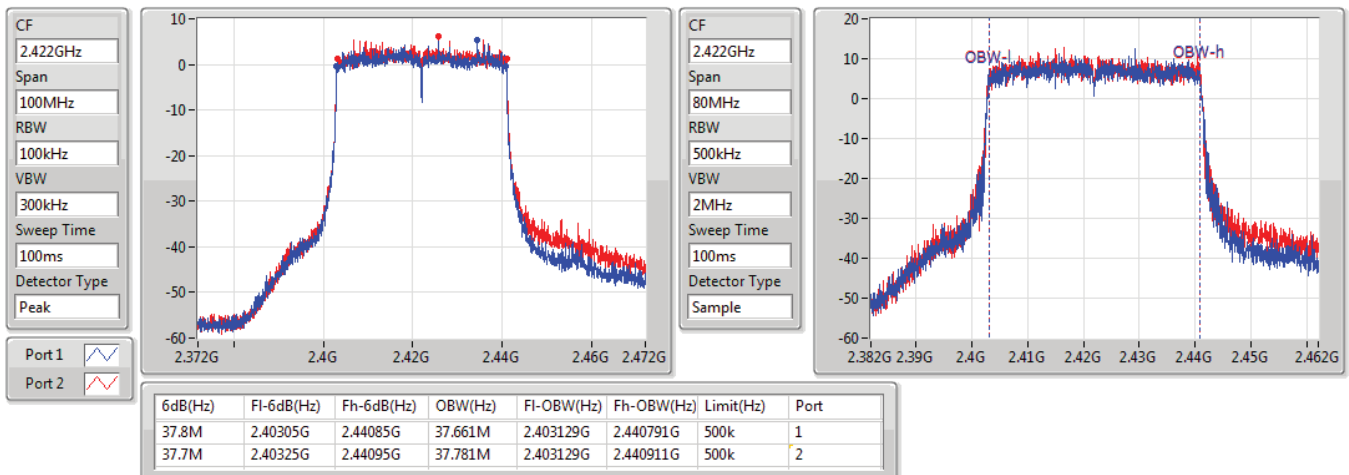


**802.11ax HEW20\_Nss1,(MCS0)\_2TX**
**EBW**
**2462MHz**

03/04/2020


**802.11ax HEW40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**

03/04/2020

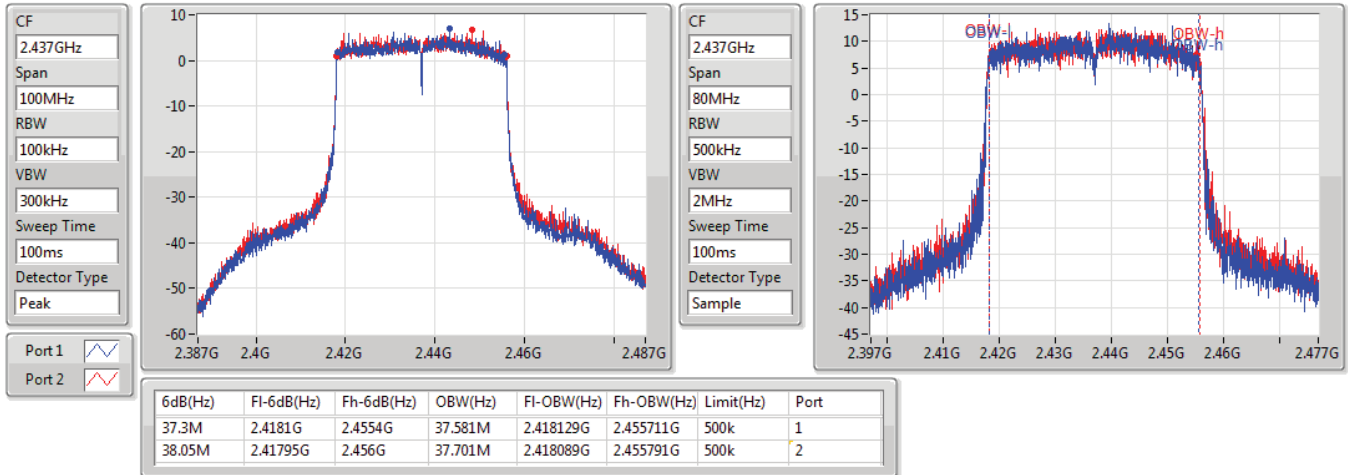


# 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

03/04/2020

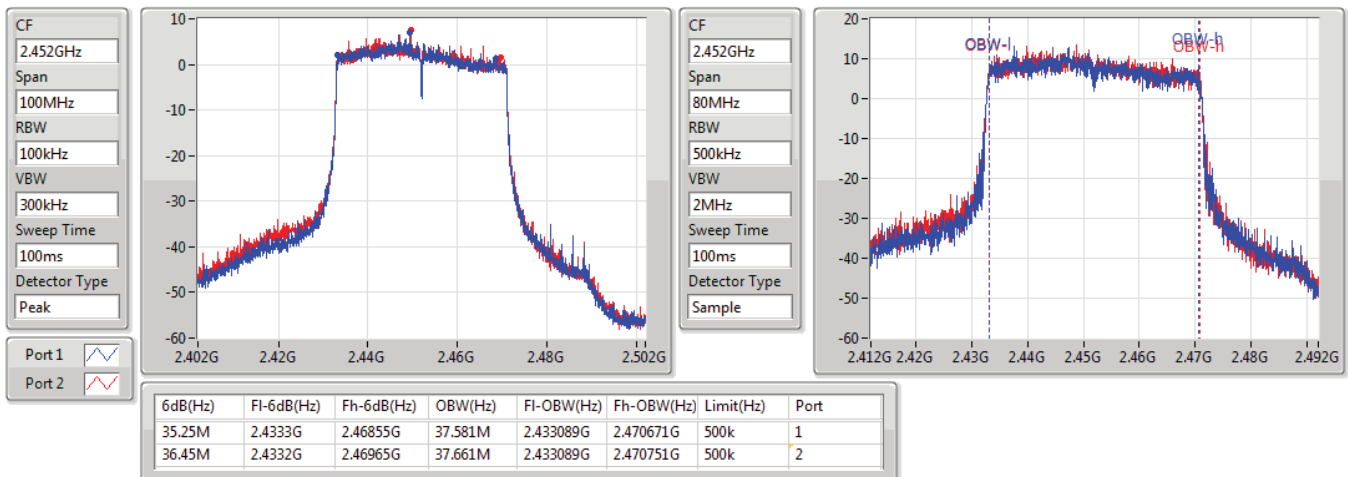


# 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

03/04/2020



**Summary**

| Mode                     | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz            | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX | 10.05M           | 13.893M         | 13M9G1D  | 9.075M           | 13.773M         |
| 802.11g_Nss1,(6Mbps)_2TX | 16.3M            | 16.592M         | 16M6D1D  | 15.9M            | 16.432M         |
| VHT20_Nss1,(MCS0)_2TX    | 17.55M           | 17.751M         | 17M8D1D  | 15.925M          | 17.631M         |
| VHT40_Nss1,(MCS0)_2TX    | 35.65M           | 36.182M         | 36M2D1D  | 35.05M           | 36.102M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

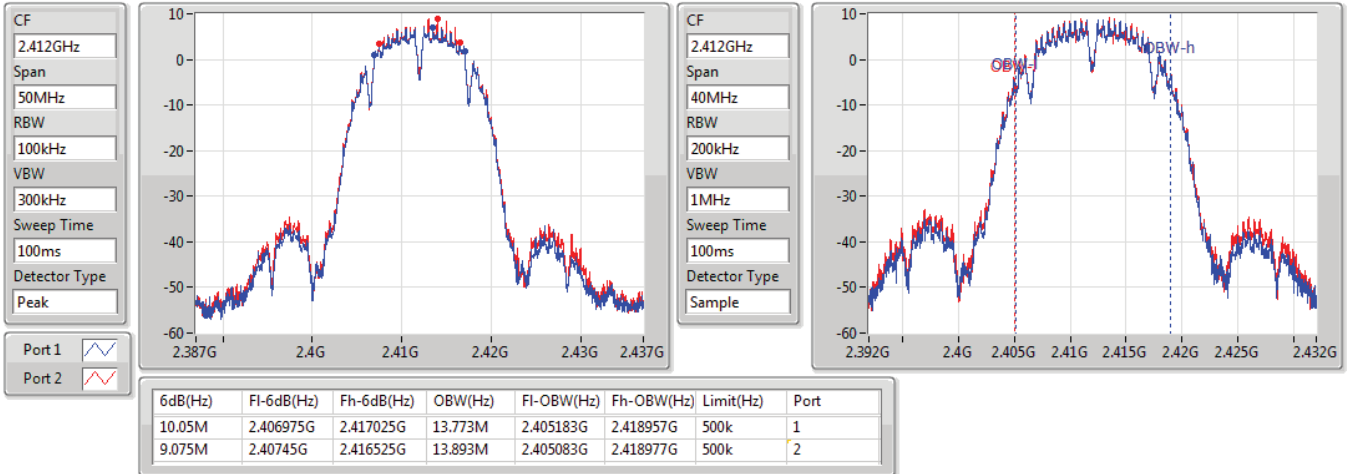
**Result**

| Mode                     | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                  | Pass   | 500k          | 10.05M              | 13.773M            | 9.075M              | 13.893M            |
| 2437MHz                  | Pass   | 500k          | 9.575M              | 13.793M            | 10.05M              | 13.873M            |
| 2462MHz                  | Pass   | 500k          | 9.6M                | 13.853M            | 10.05M              | 13.873M            |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                  | Pass   | 500k          | 16.3M               | 16.452M            | 15.925M             | 16.472M            |
| 2437MHz                  | Pass   | 500k          | 16.275M             | 16.572M            | 15.9M               | 16.592M            |
| 2462MHz                  | Pass   | 500k          | 16.3M               | 16.452M            | 16.3M               | 16.432M            |
| VHT20_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                  | Pass   | 500k          | 17.175M             | 17.631M            | 15.925M             | 17.631M            |
| 2437MHz                  | Pass   | 500k          | 16.8M               | 17.751M            | 17.55M              | 17.731M            |
| 2462MHz                  | Pass   | 500k          | 16.8M               | 17.631M            | 16.875M             | 17.671M            |
| VHT40_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz                  | Pass   | 500k          | 35.65M              | 36.102M            | 35.05M              | 36.102M            |
| 2437MHz                  | Pass   | 500k          | 35.65M              | 36.182M            | 35.05M              | 36.142M            |
| 2452MHz                  | Pass   | 500k          | 35.2M               | 36.102M            | 35.15M              | 36.102M            |

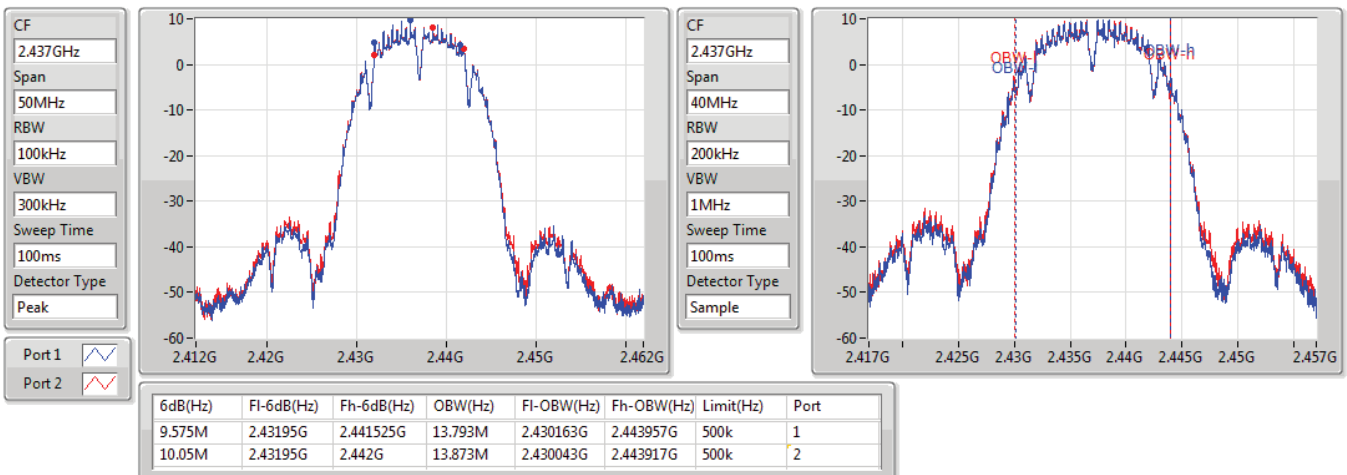
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2412MHz**

02/04/2020

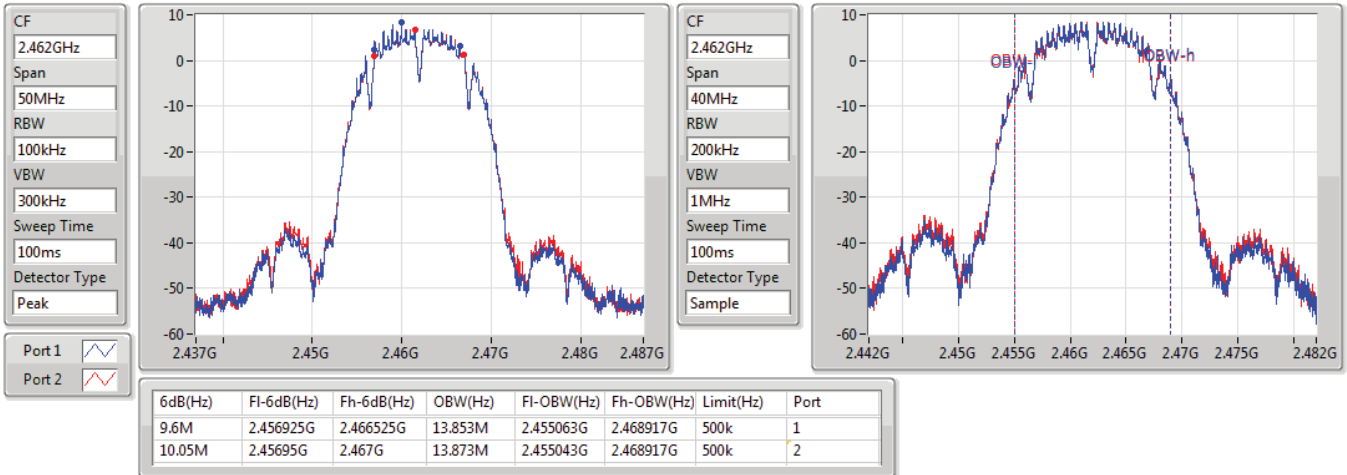

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2437MHz**

02/04/2020

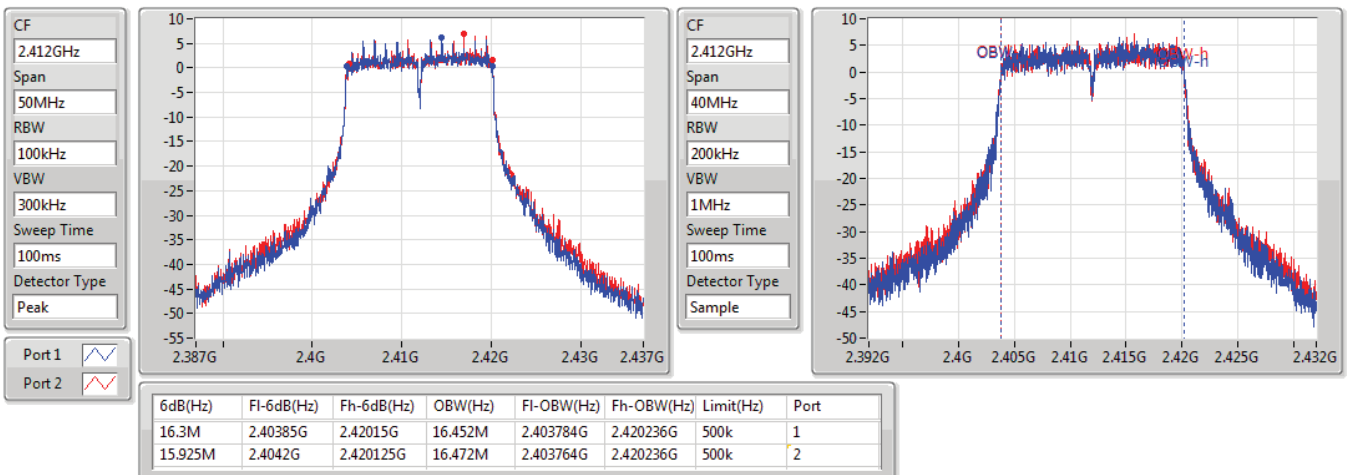


**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2462MHz**

02/04/2020


**802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2412MHz**

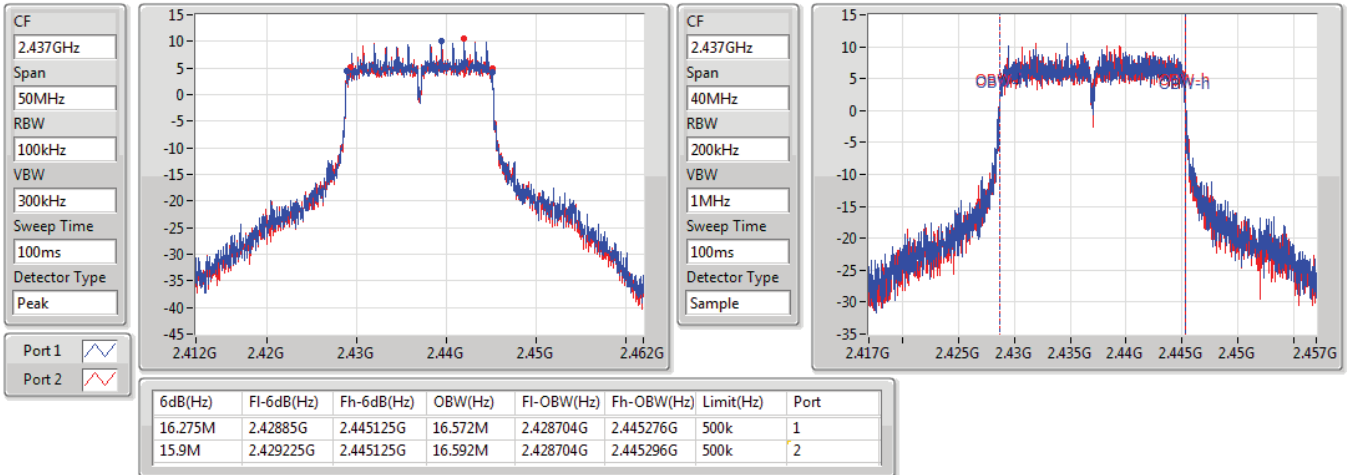
02/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

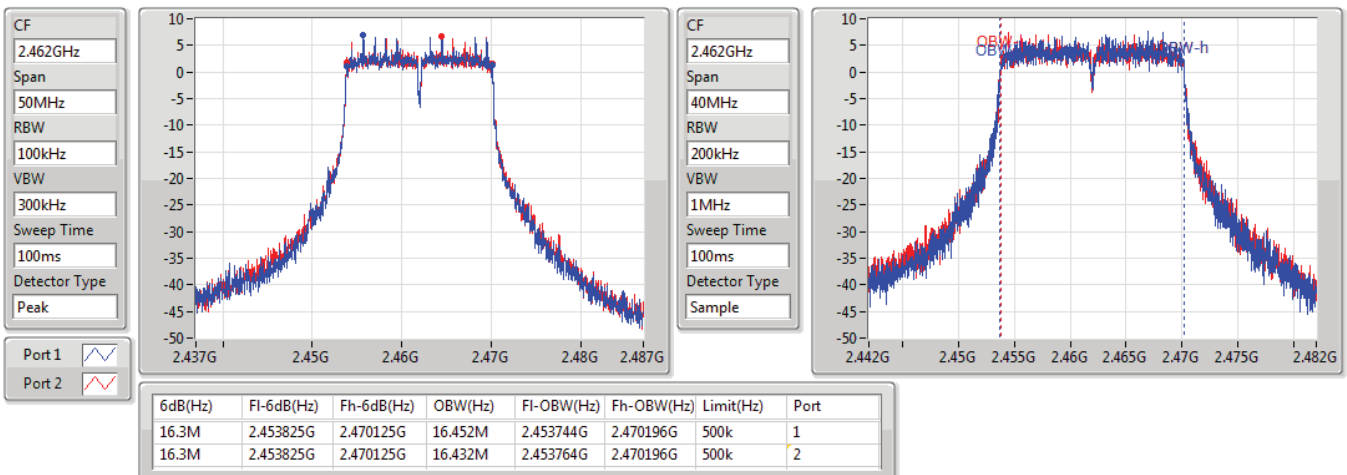
02/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

02/04/2020

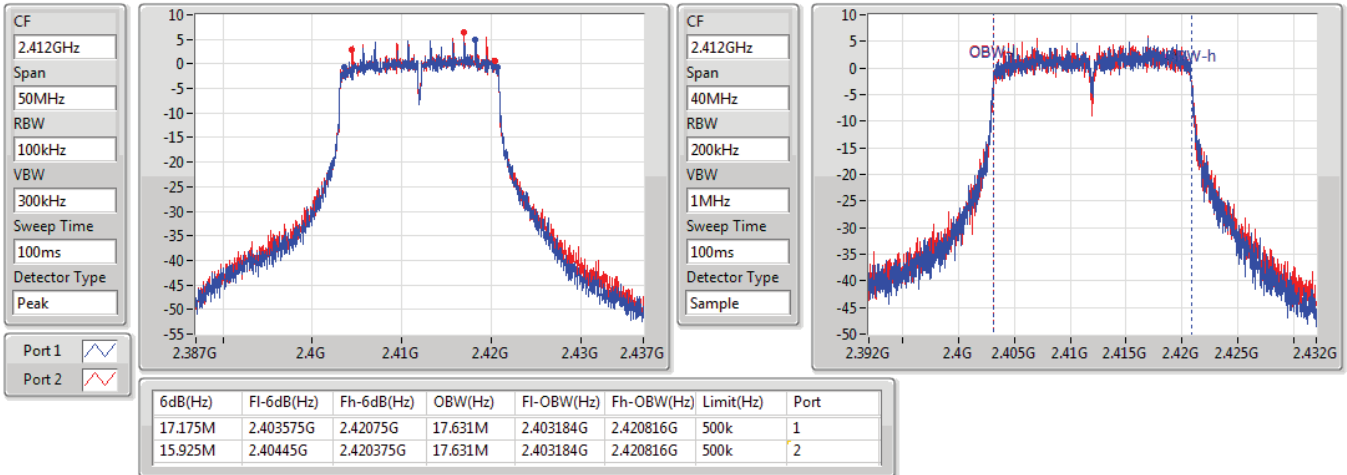


# VHT20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

02/04/2020

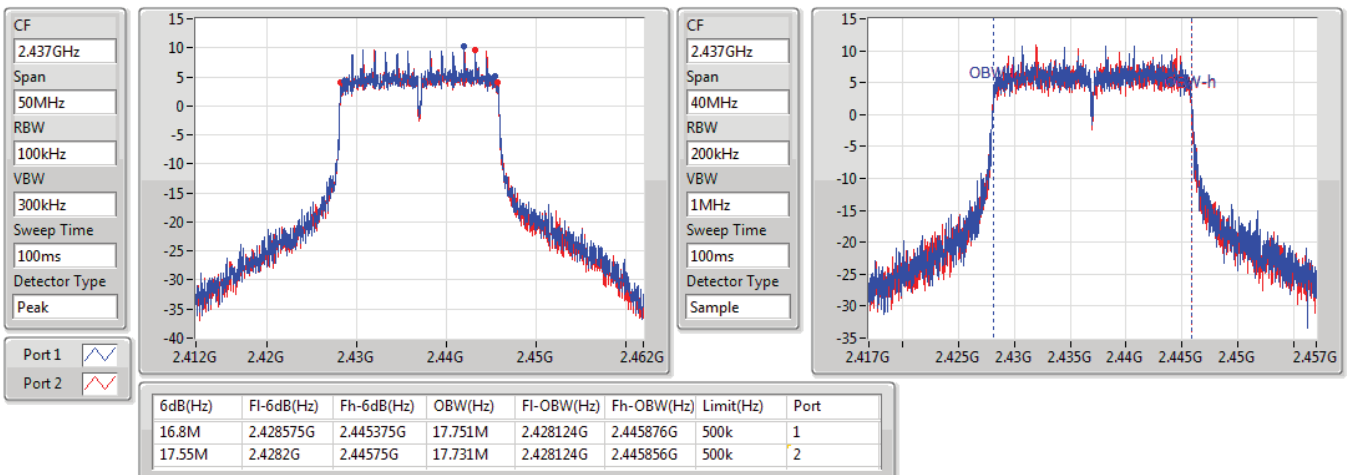


# VHT20\_Nss1,(MCS0)\_2TX

EBW

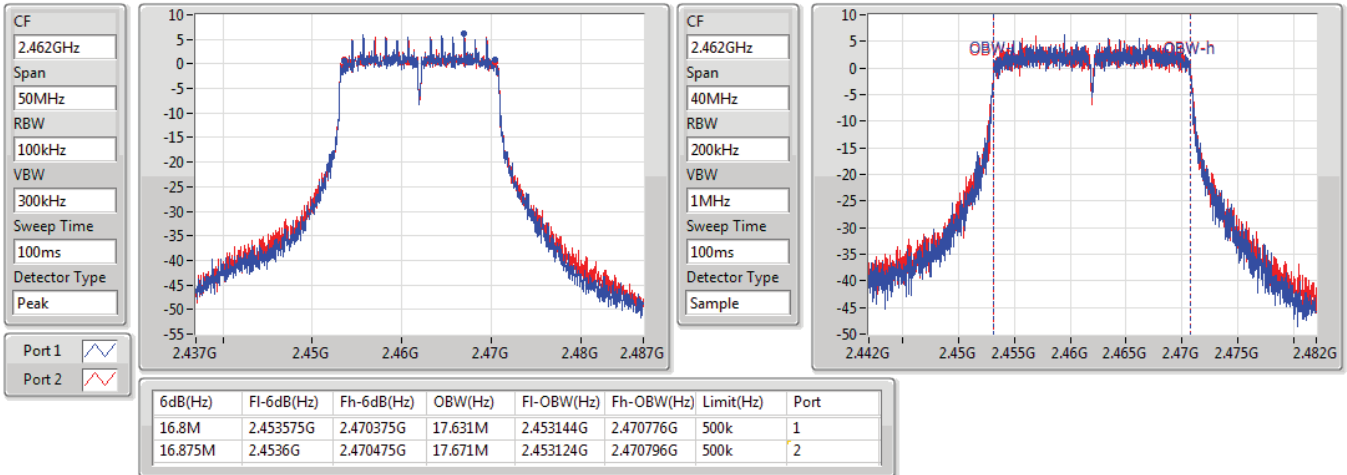
2437MHz

02/04/2020

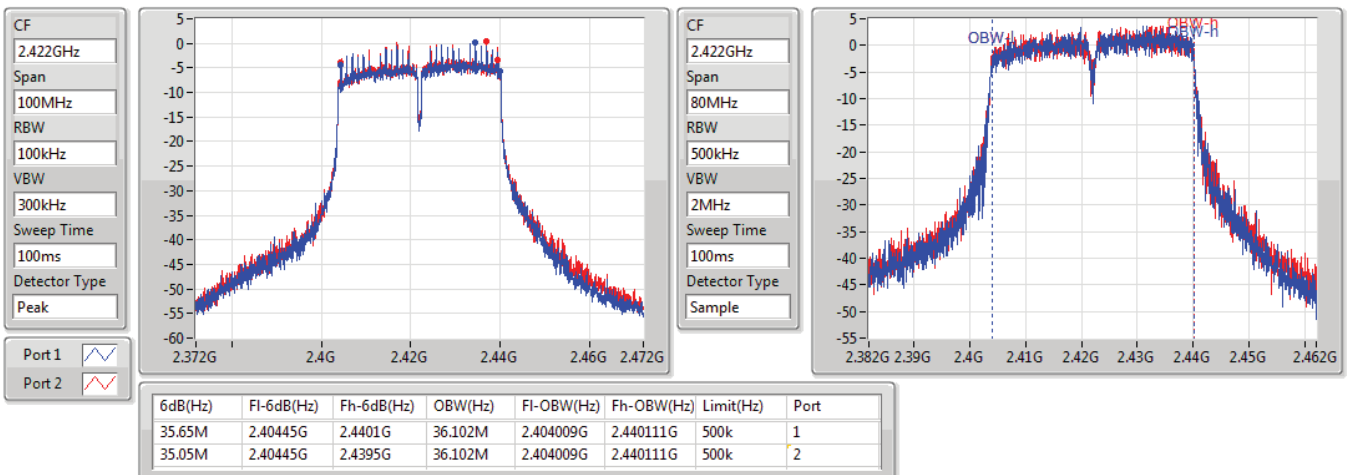


**VHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2462MHz**

02/04/2020


**VHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**

02/04/2020

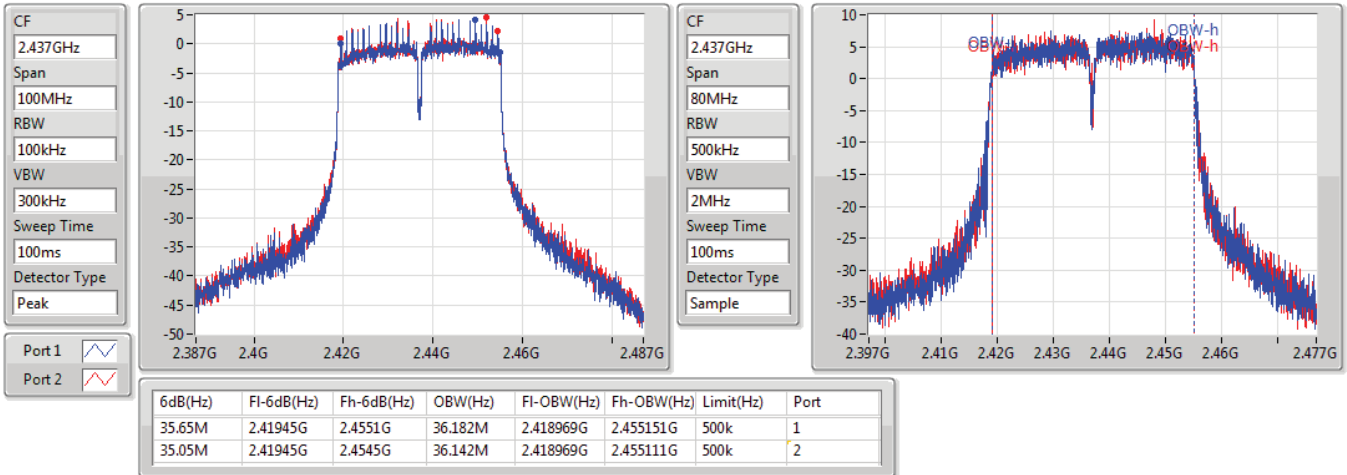


# VHT40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

02/04/2020

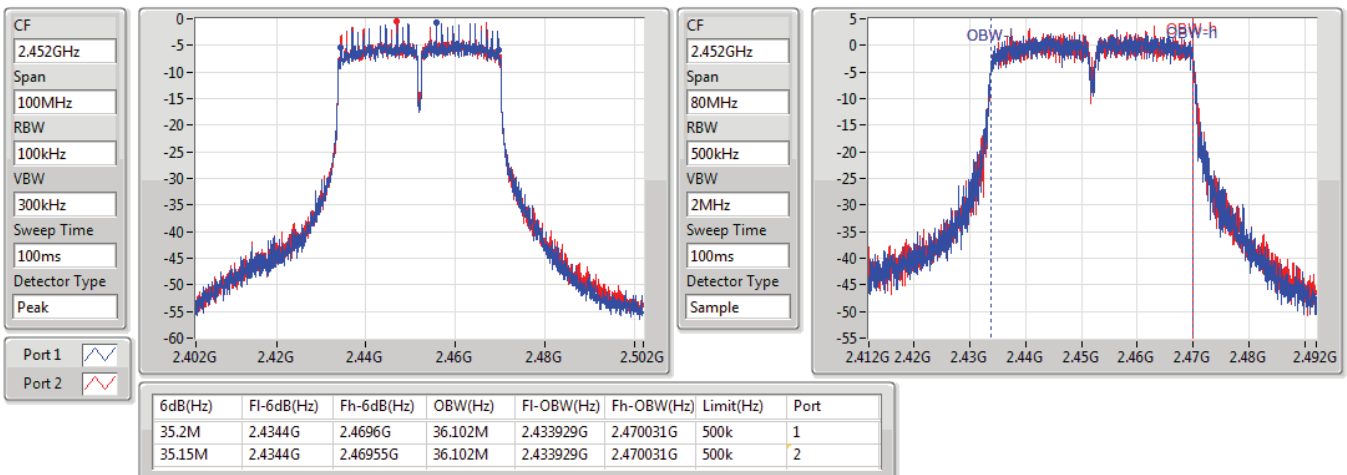


# VHT40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

02/04/2020



**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz                  | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | 7.575M           | 12.994M         | 13M0G1D  | 7.05M            | 12.774M         |
| 802.11g_Nss1,(6Mbps)_2TX       | 16.325M          | 16.612M         | 16M6D1D  | 15.65M           | 16.412M         |
| VHT20_Nss1,(MCS0)_2TX          | 17.575M          | 17.691M         | 17M7D1D  | 16.675M          | 17.571M         |
| VHT40_Nss1,(MCS0)_2TX          | 36.05M           | 36.182M         | 36M2D1D  | 34.45M           | 35.942M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 19.05M           | 18.991M         | 19M0D1D  | 18.35M           | 18.911M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 37.95M           | 37.821M         | 37M8D1D  | 35.65M           | 37.621M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                           | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 7.1M                | 12.874M            | 7.55M               | 12.834M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 7.05M               | 12.794M            | 7.575M              | 12.774M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 7.075M              | 12.974M            | 7.05M               | 12.994M            |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 15.65M              | 16.432M            | 16.325M             | 16.432M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 15.65M              | 16.572M            | 15.9M               | 16.612M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 16.3M               | 16.412M            | 16.325M             | 16.452M            |
| VHT20_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 16.9M               | 17.591M            | 17.275M             | 17.571M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 17.325M             | 17.691M            | 16.675M             | 17.691M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 17.575M             | 17.651M            | 17.575M             | 17.631M            |
| VHT40_Nss1,(MCS0)_2TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom               | Pass   | 500k          | 36.05M              | 36.182M            | 35.9M               | 36.142M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 35.6M               | 35.942M            | 35M                 | 35.982M            |
| 2452MHz_TnomVnom               | Pass   | 500k          | 34.45M              | 36.102M            | 34.45M              | 36.102M            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom               | Pass   | 500k          | 18.875M             | 18.931M            | 18.35M              | 18.911M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 18.825M             | 18.991M            | 18.85M              | 18.991M            |
| 2462MHz_TnomVnom               | Pass   | 500k          | 19.05M              | 18.971M            | 18.95M              | 18.931M            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom               | Pass   | 500k          | 37.95M              | 37.821M            | 37.75M              | 37.741M            |
| 2437MHz_TnomVnom               | Pass   | 500k          | 35.65M              | 37.621M            | 35.8M               | 37.621M            |
| 2452MHz_TnomVnom               | Pass   | 500k          | 36.2M               | 37.741M            | 35.85M              | 37.701M            |

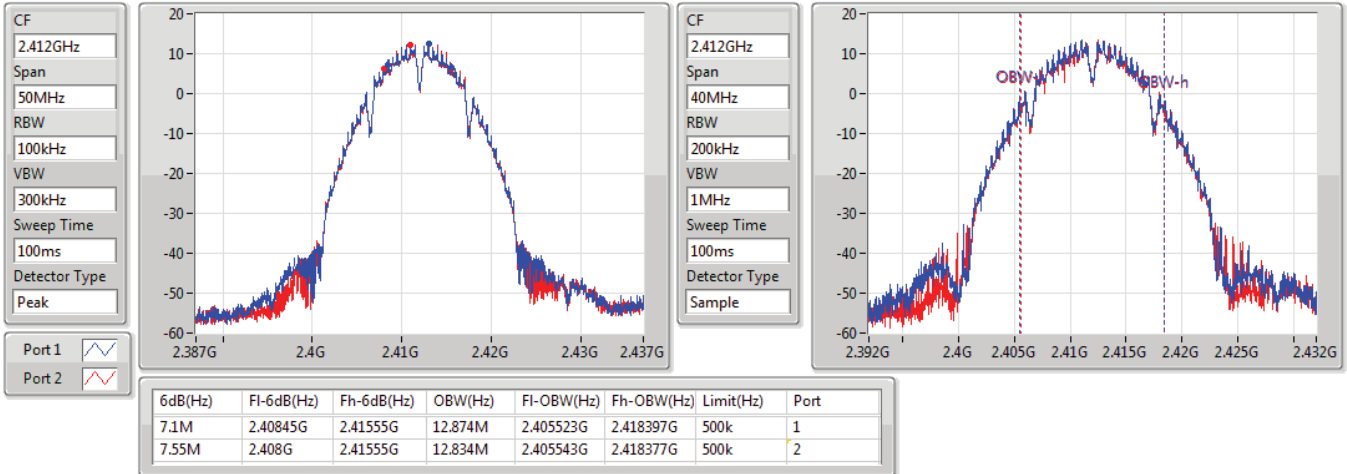
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2412MHz

02/04/2020

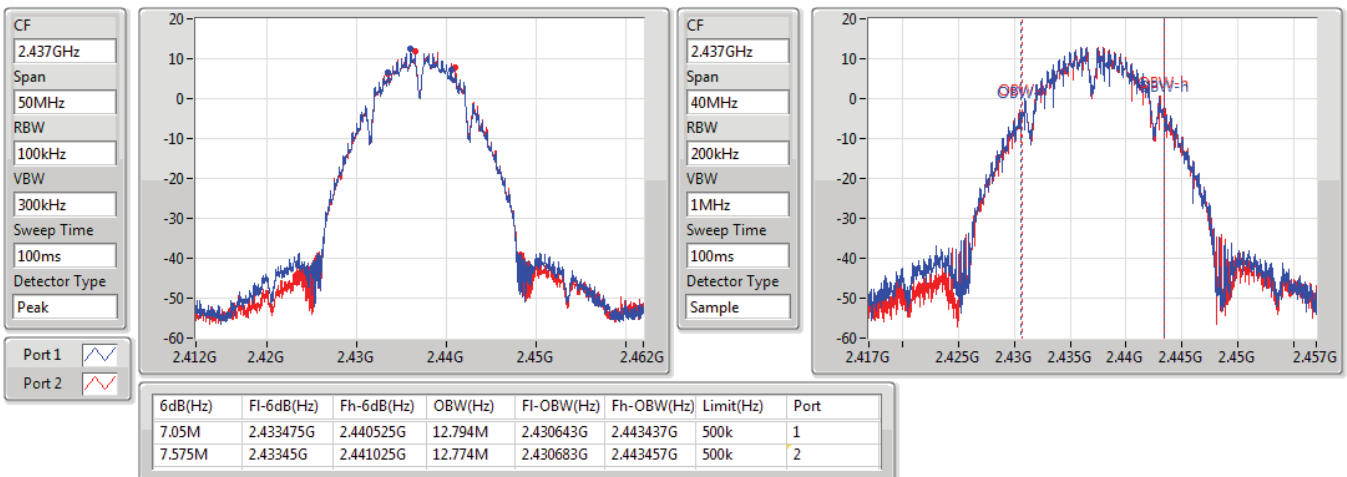


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz

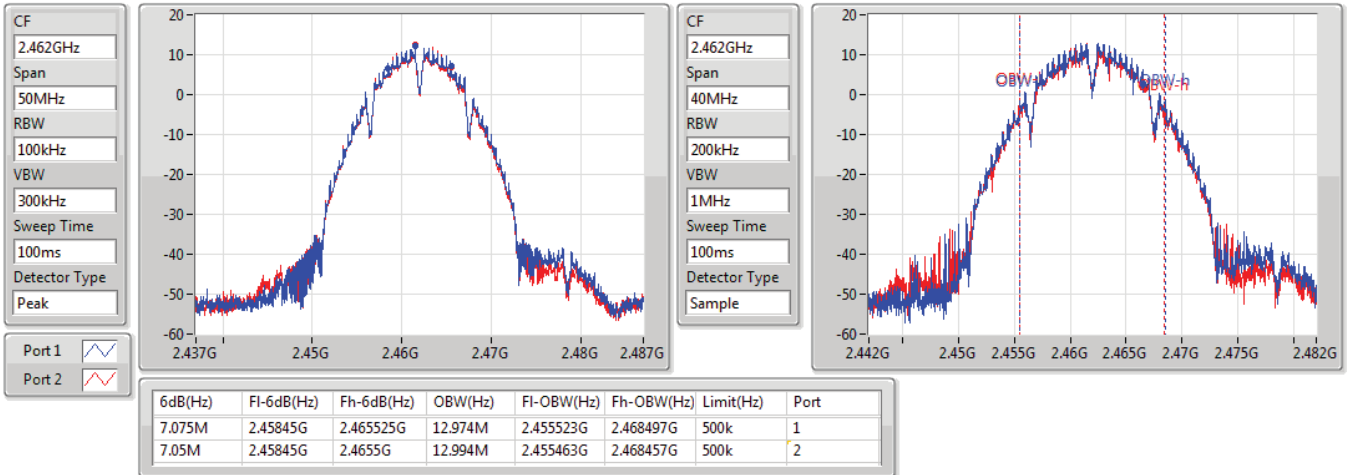
02/04/2020



## 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

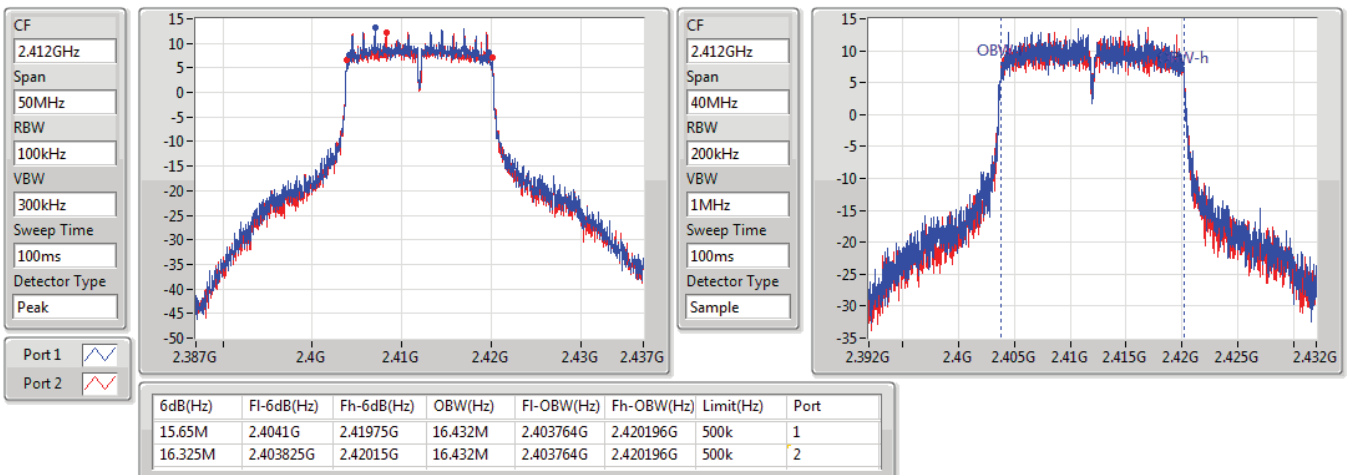
02/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

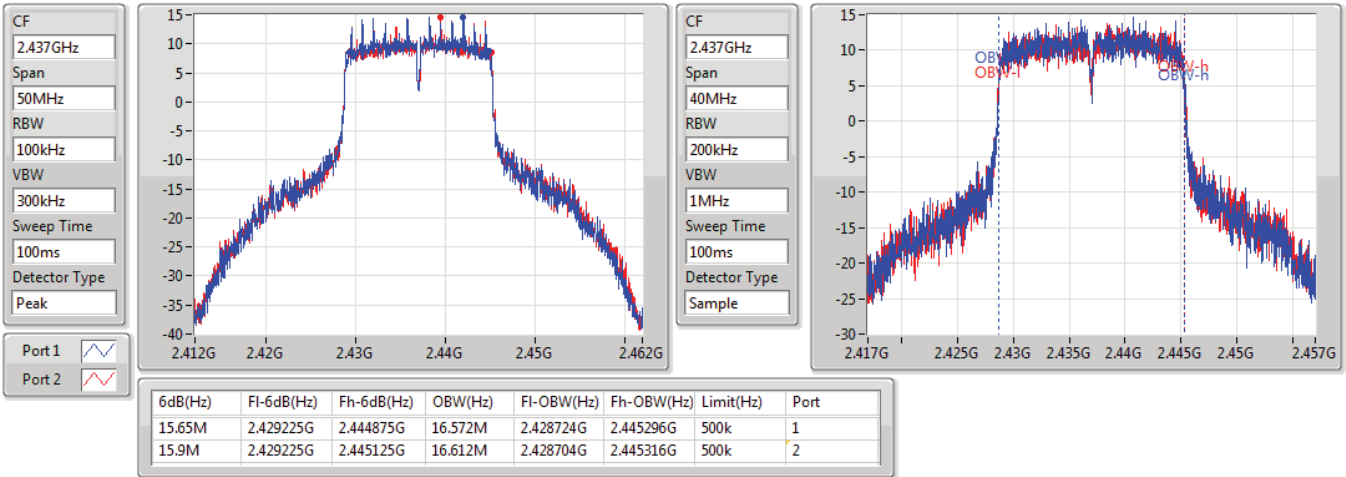
02/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

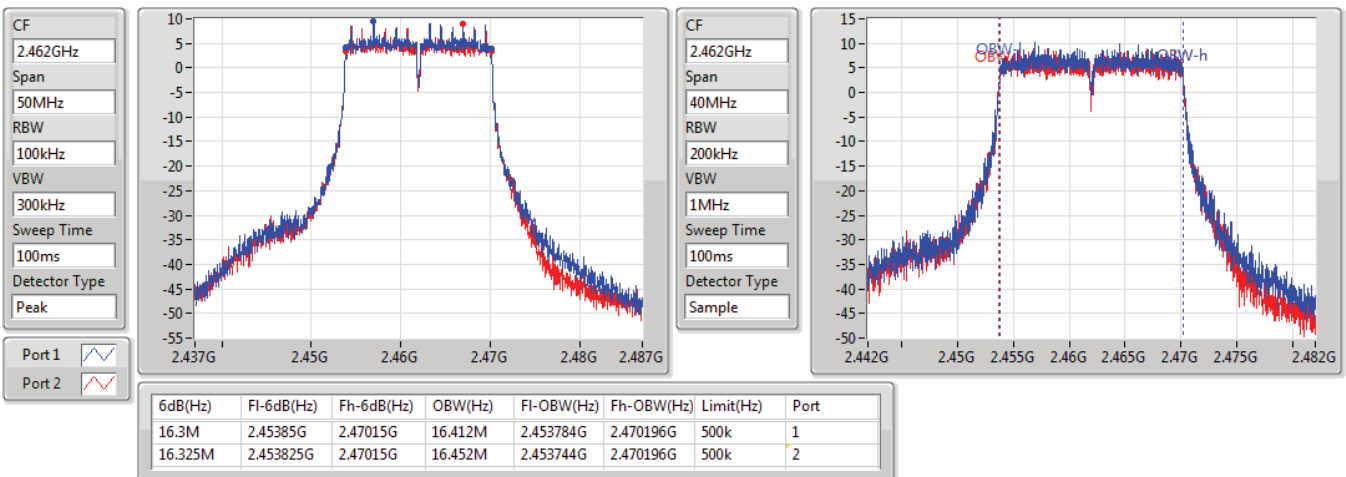
02/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

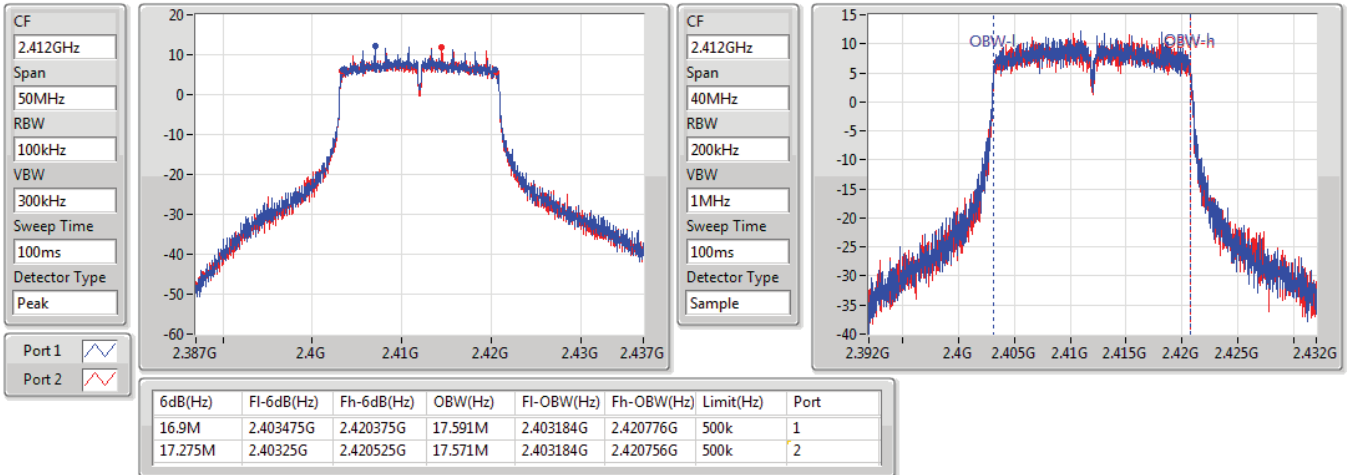
02/04/2020



# VHT20\_Nss1,(MCS0)\_2TX

2412MHz

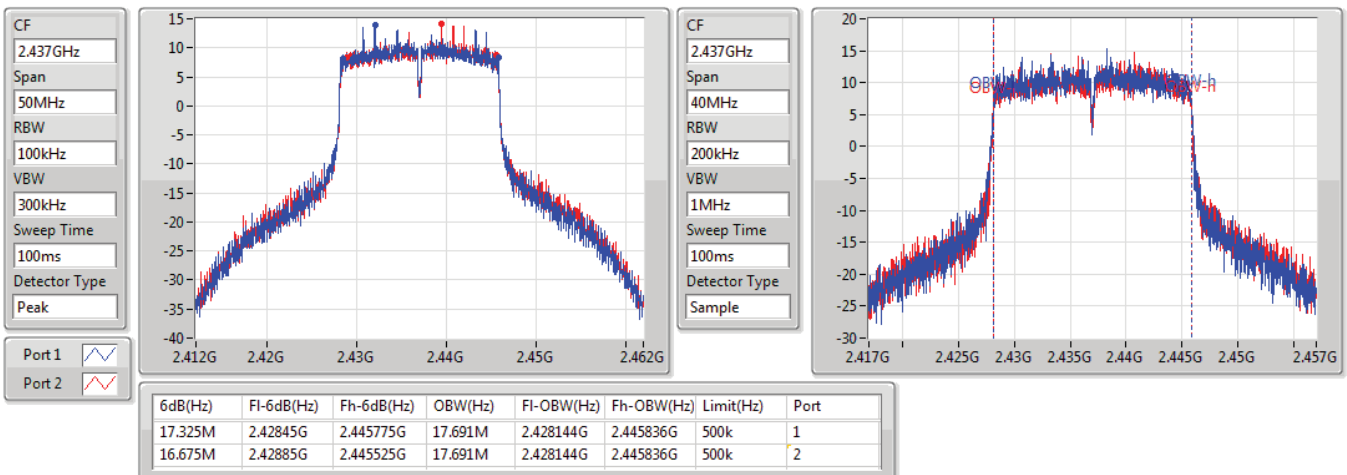
02/04/2020



# VHT20\_Nss1,(MCS0)\_2TX

2437MHz

02/04/2020

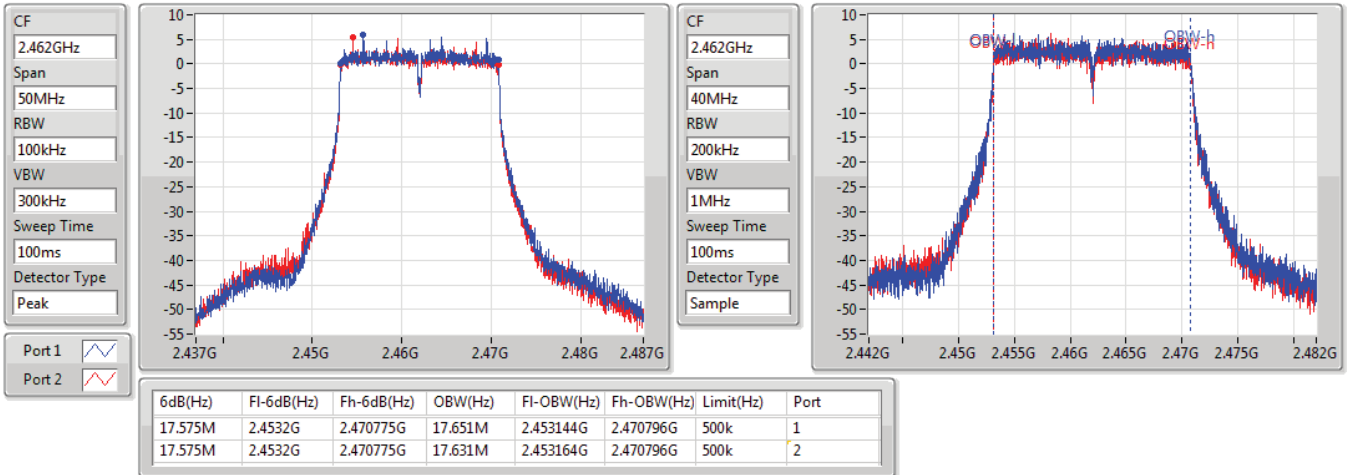


# VHT20\_Nss1,(MCS0)\_2TX

EBW

2462MHz

02/04/2020

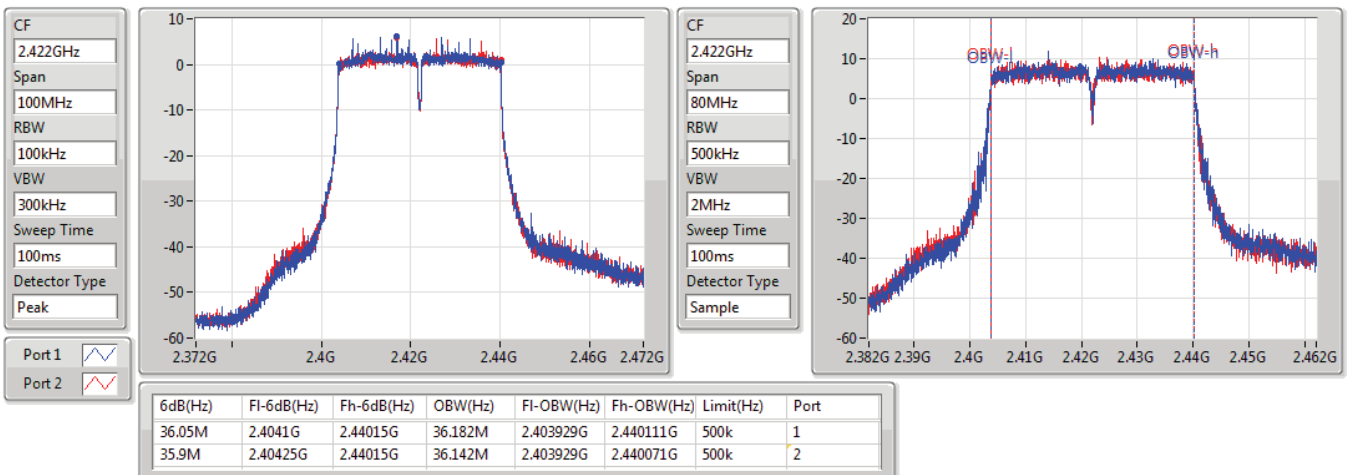


# VHT40\_Nss1,(MCS0)\_2TX

EBW

2422MHz

02/04/2020

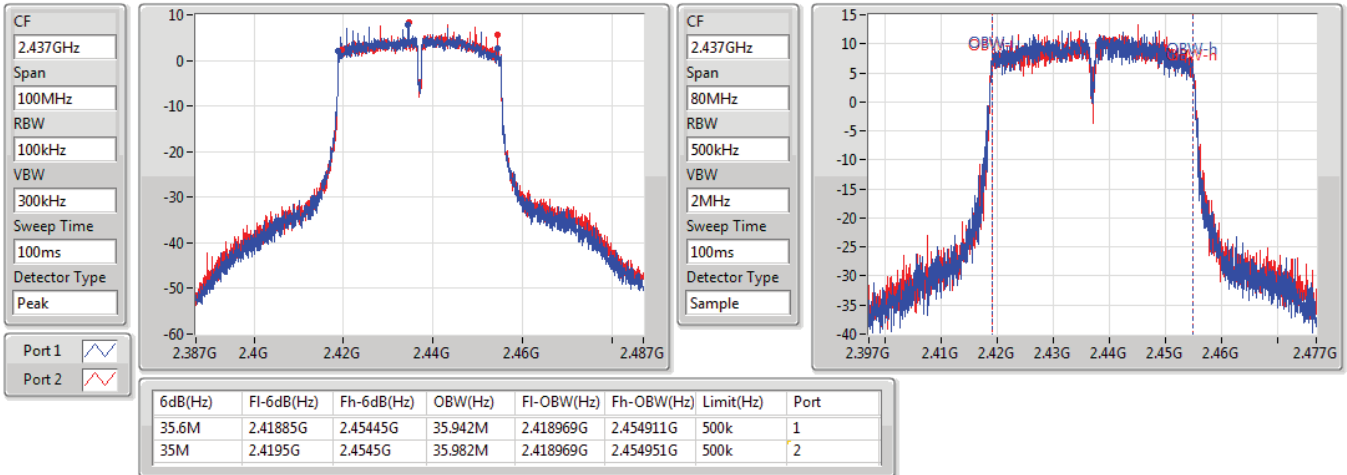


# VHT40\_Nss1,(MCS0)\_2TX

2437MHz

02/04/2020

EBW

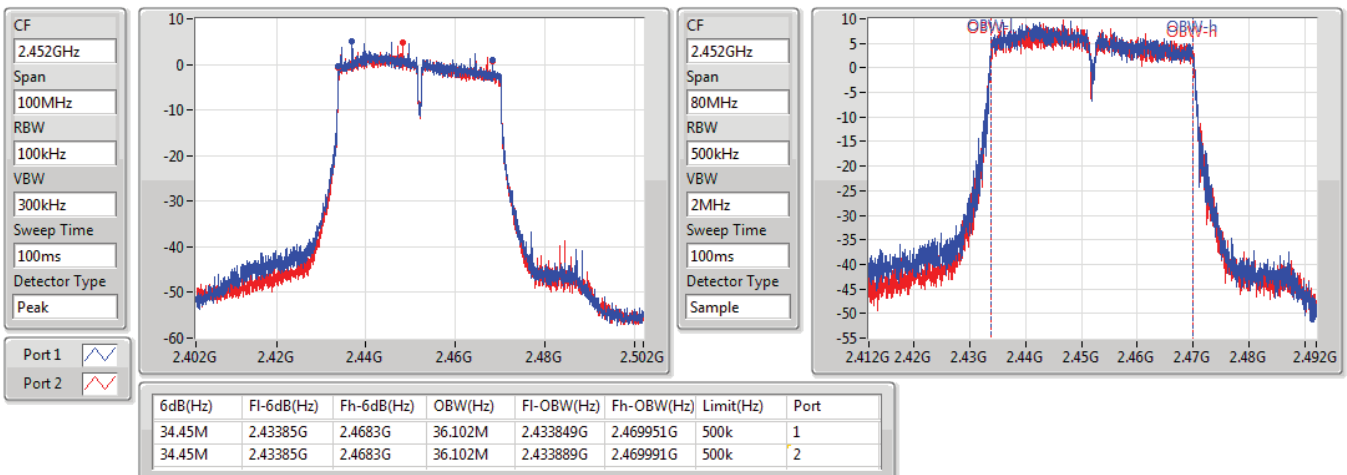


# VHT40\_Nss1,(MCS0)\_2TX

2452MHz

02/04/2020

EBW

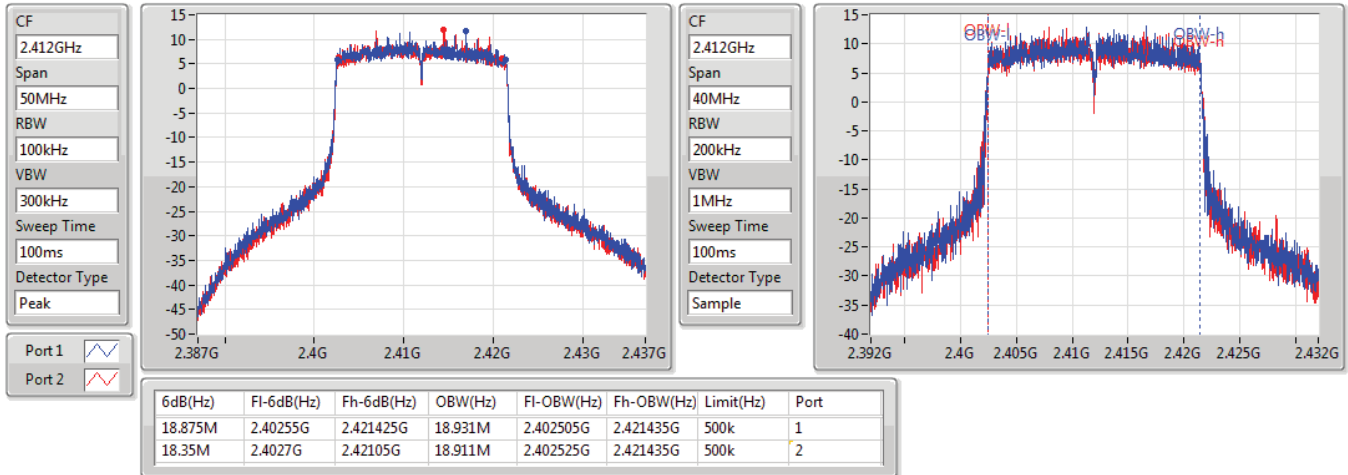


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

02/04/2020

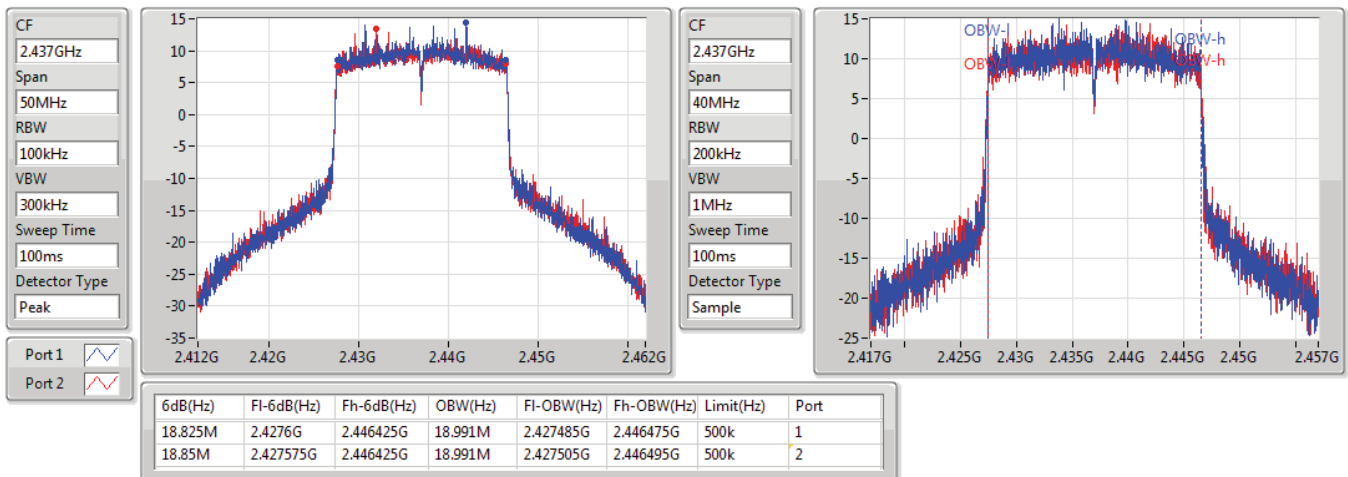


# 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

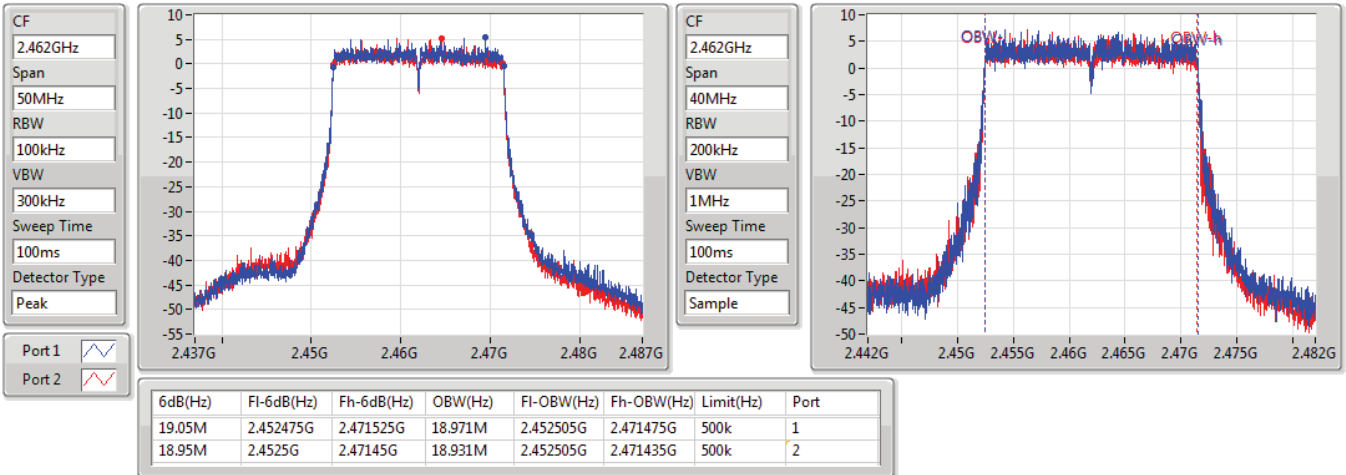
02/04/2020



## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

2462MHz

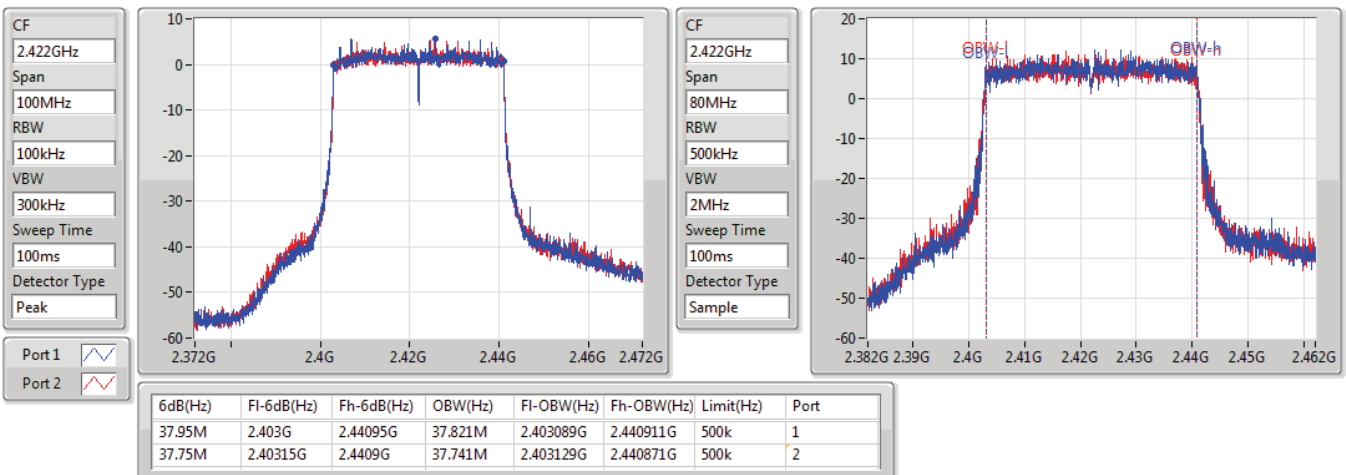
02/04/2020



## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

2422MHz

02/04/2020

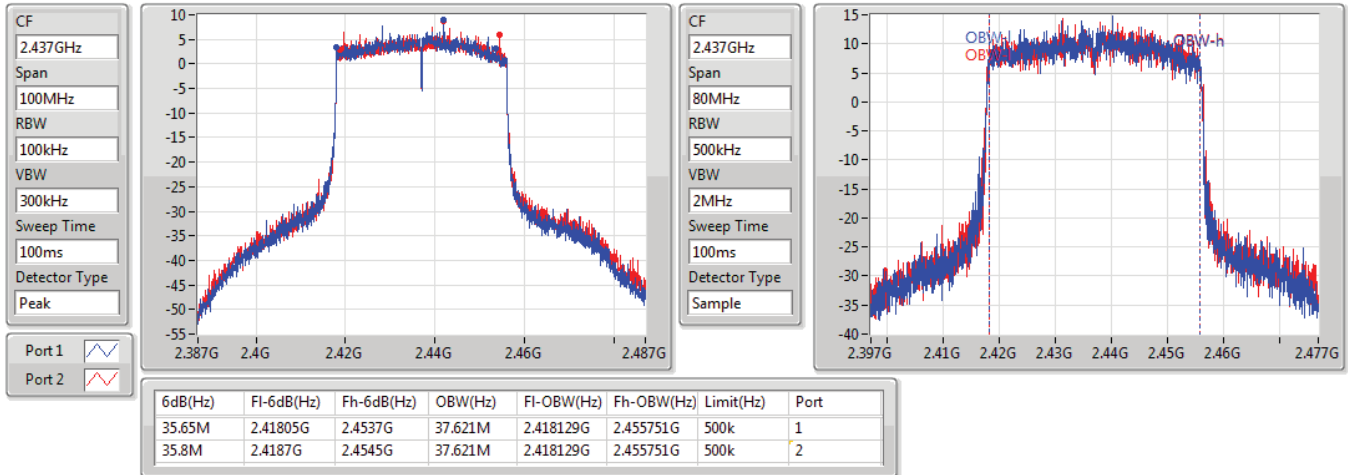


# 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

02/04/2020

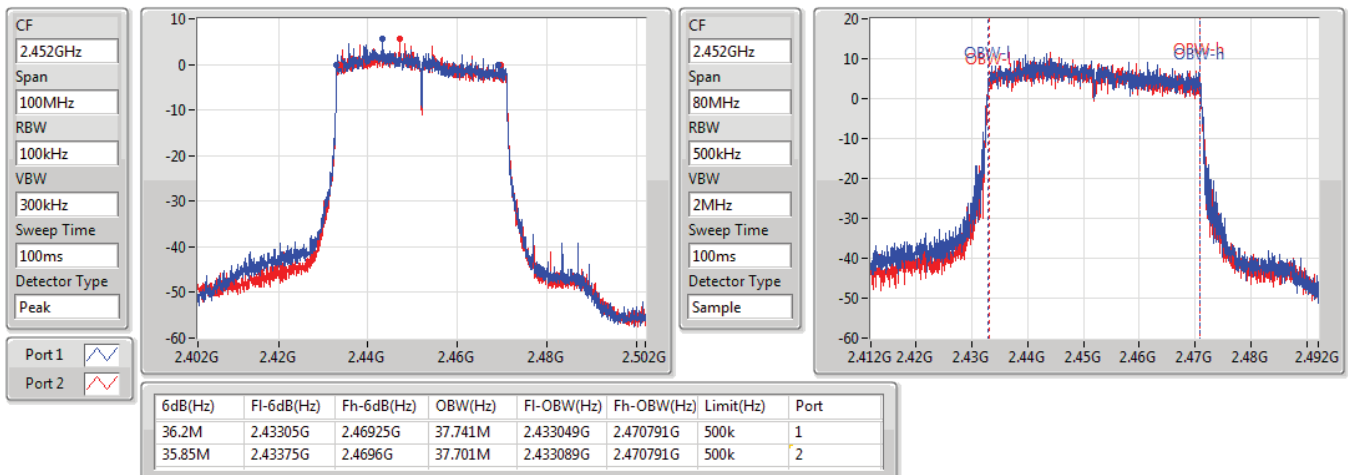


# 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

02/04/2020



**Summary**

| Mode                     | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz            | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX | 10.05M           | 14.013M         | 14M0G1D  | 9.075M           | 13.913M         |
| 802.11g_Nss1,(6Mbps)_2TX | 16.3M            | 16.652M         | 16M7D1D  | 15.875M          | 16.452M         |
| VHT20_Nss1,(MCS0)_2TX    | 17.15M           | 17.791M         | 17M8D1D  | 16.25M           | 17.611M         |
| VHT40_Nss1,(MCS0)_2TX    | 35.7M            | 36.142M         | 36M1D1D  | 35.15M           | 36.022M         |

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

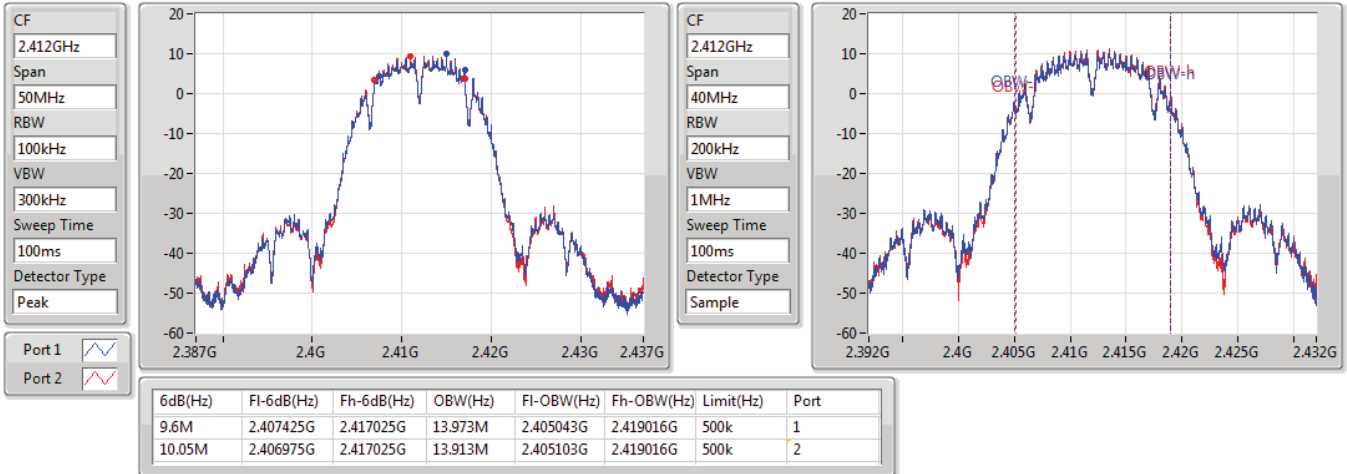
**Result**

| Mode                     | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|--------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom         | Pass   | 500k          | 9.6M                | 13.973M            | 10.05M              | 13.913M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 9.6M                | 14.013M            | 9.075M              | 14.013M            |
| 2462MHz_TnomVnom         | Pass   | 500k          | 9.1M                | 13.913M            | 9.625M              | 13.913M            |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom         | Pass   | 500k          | 16.025M             | 16.472M            | 16.3M               | 16.472M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 15.875M             | 16.652M            | 15.875M             | 16.572M            |
| 2462MHz_TnomVnom         | Pass   | 500k          | 16.275M             | 16.452M            | 16.275M             | 16.472M            |
| VHT20_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom         | Pass   | 500k          | 17.15M              | 17.671M            | 17.15M              | 17.611M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 17.15M              | 17.791M            | 16.25M              | 17.751M            |
| 2462MHz_TnomVnom         | Pass   | 500k          | 16.8M               | 17.651M            | 16.775M             | 17.631M            |
| VHT40_Nss1,(MCS0)_2TX    | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom         | Pass   | 500k          | 35.15M              | 36.022M            | 35.7M               | 36.022M            |
| 2437MHz_TnomVnom         | Pass   | 500k          | 35.15M              | 36.142M            | 35.65M              | 36.142M            |
| 2452MHz_TnomVnom         | Pass   | 500k          | 35.15M              | 36.142M            | 35.7M               | 36.142M            |

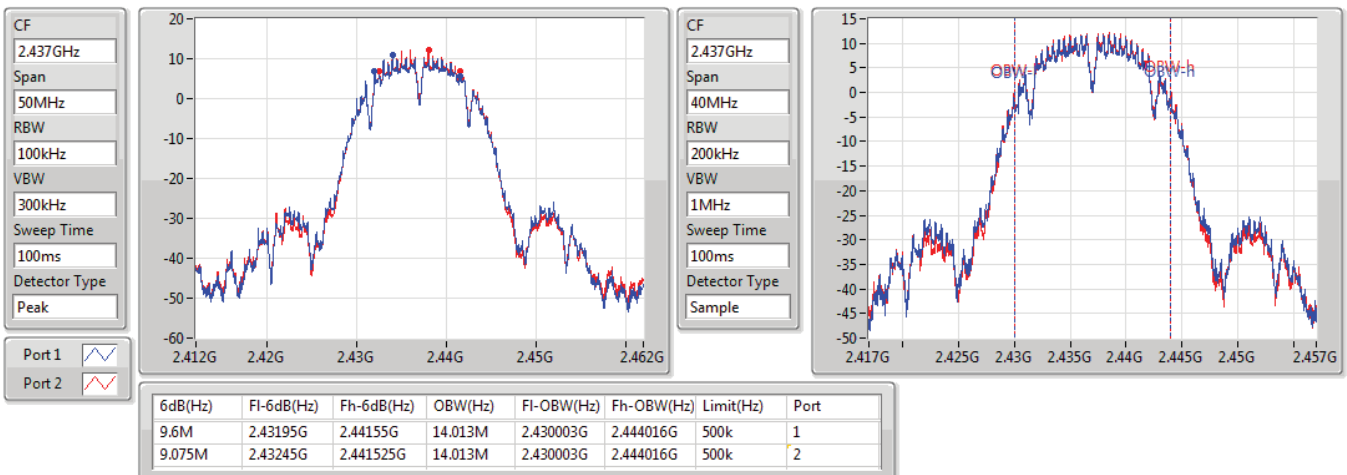
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2412MHz**

02/04/2020

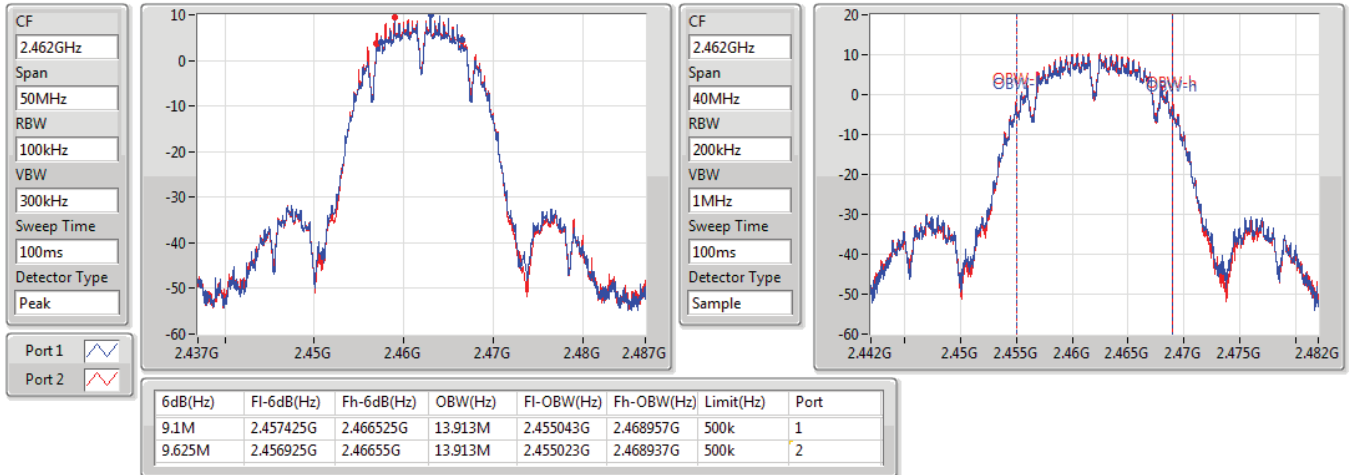

**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2437MHz**

02/04/2020

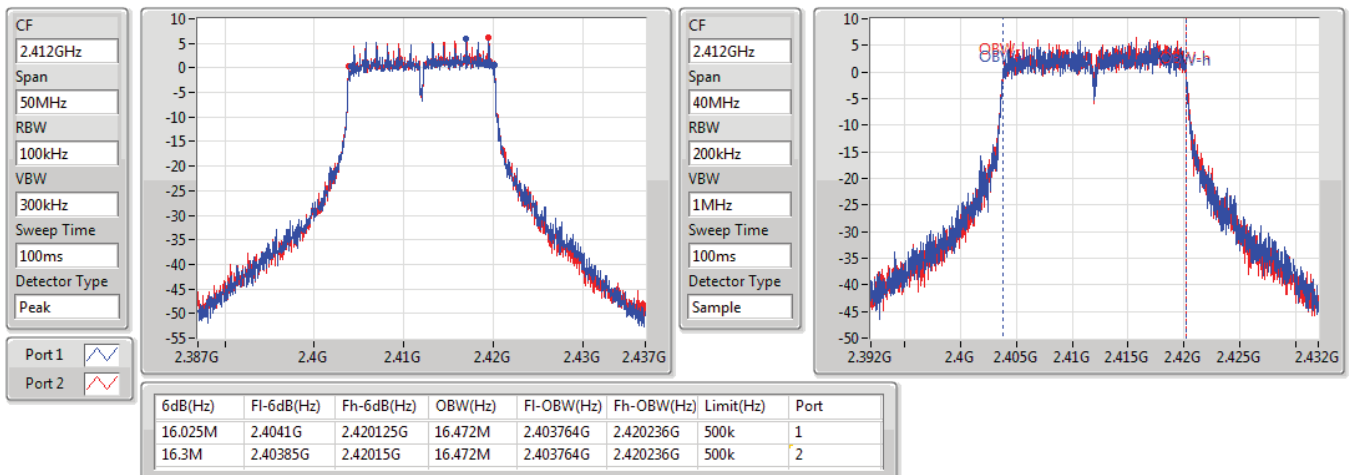


**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**
**2462MHz**

02/04/2020


**802.11g\_Nss1,(6Mbps)\_2TX**
**EBW**
**2412MHz**

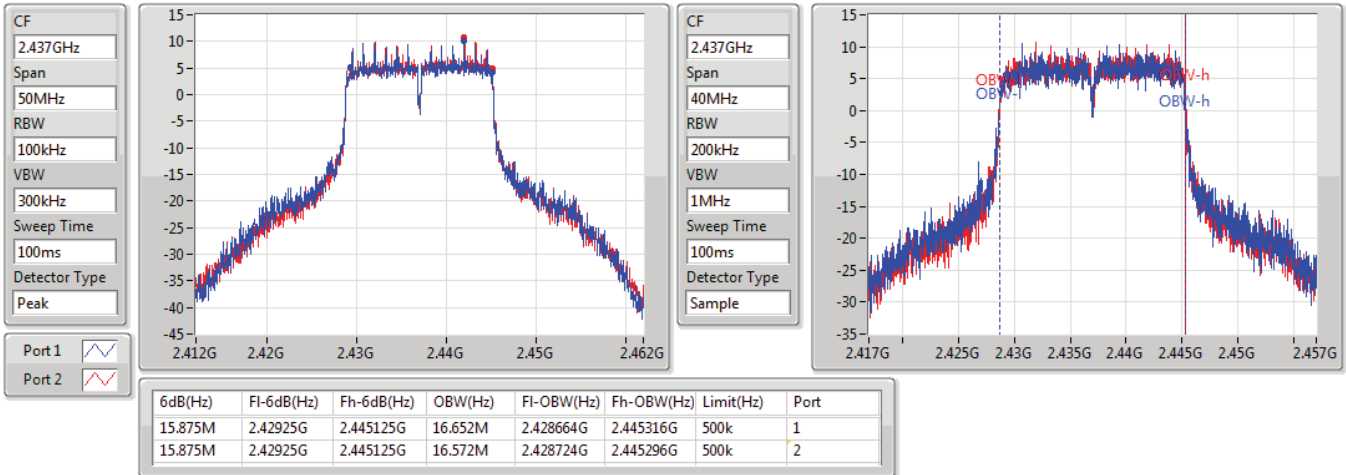
02/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

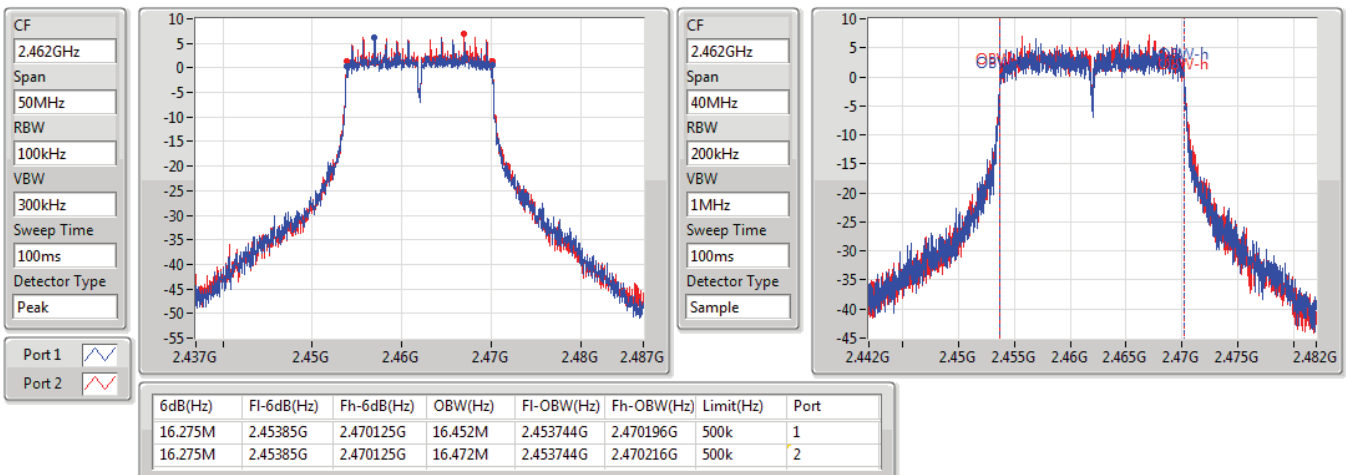
02/04/2020



## 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

02/04/2020

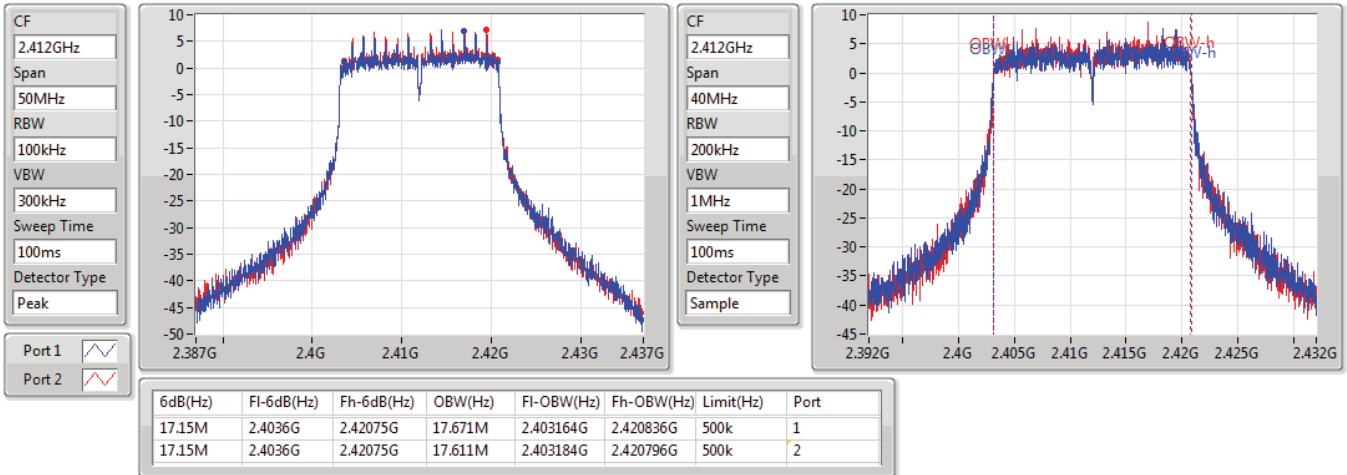


# VHT20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

02/04/2020

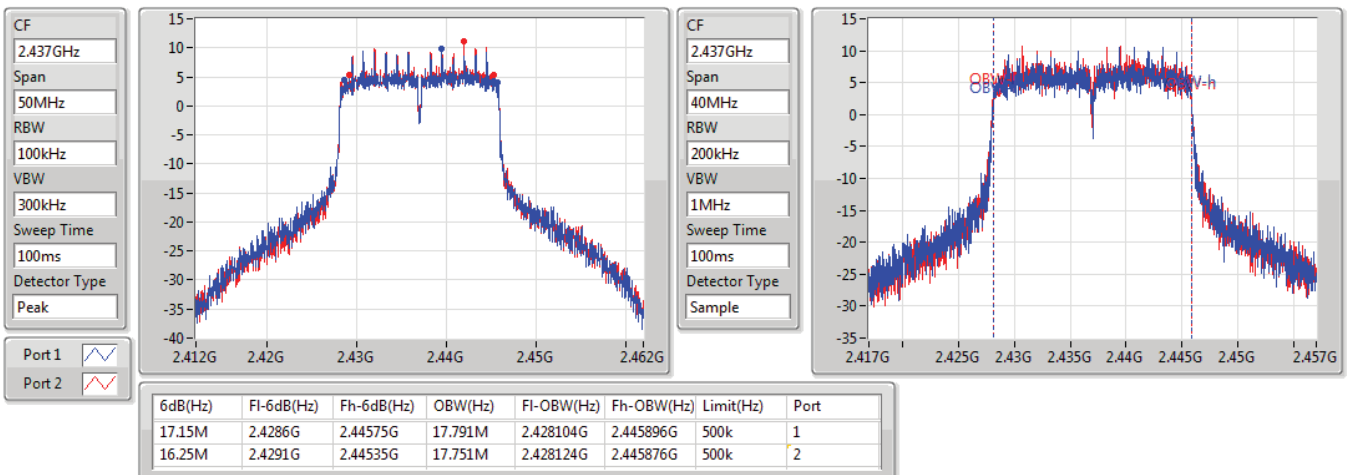


# VHT20\_Nss1,(MCS0)\_2TX

EBW

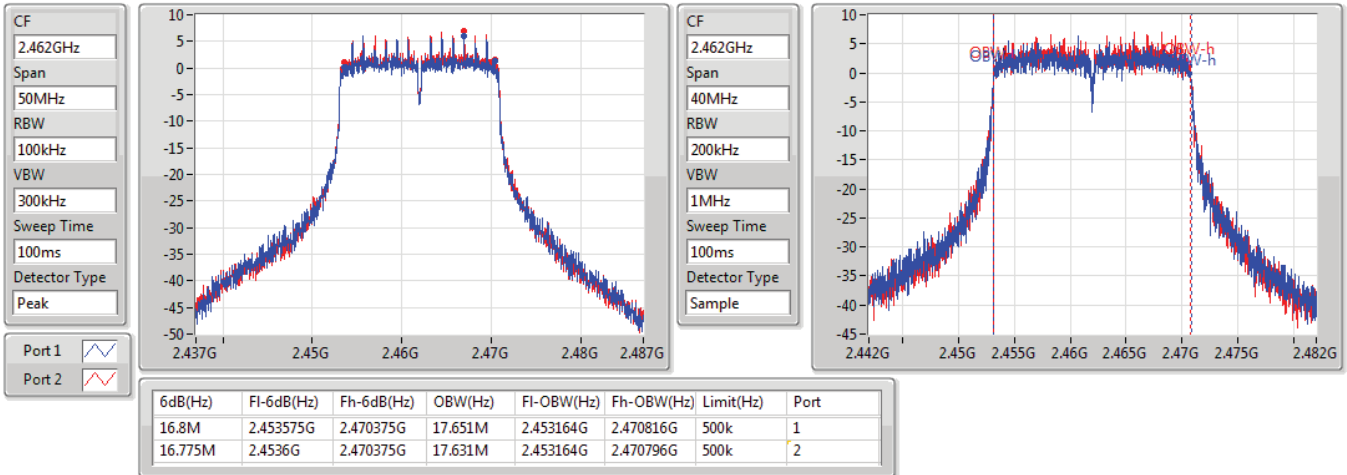
2437MHz

02/04/2020

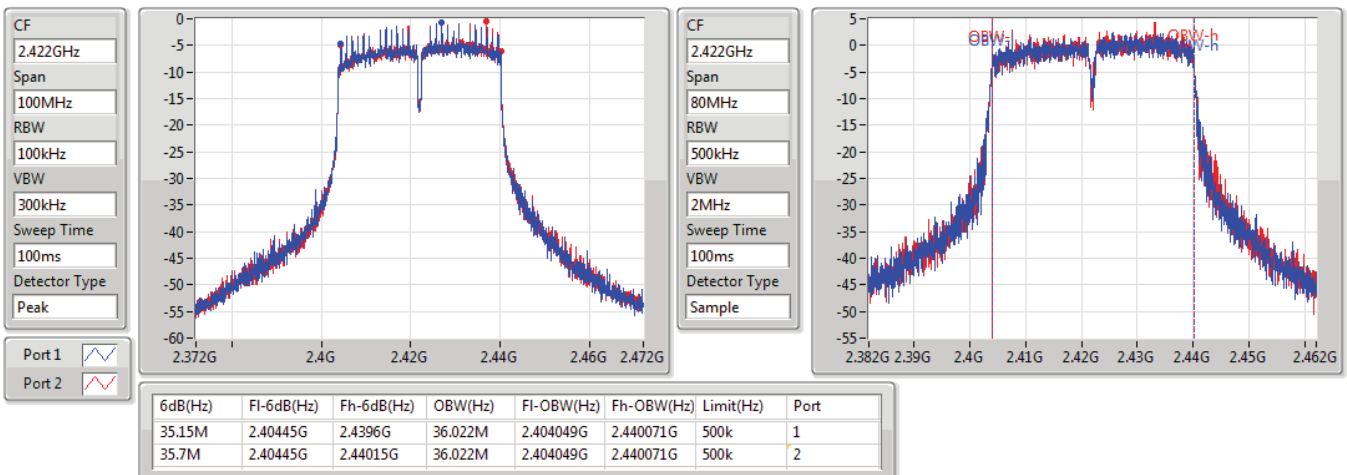


**VHT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2462MHz**

02/04/2020


**VHT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**

02/04/2020

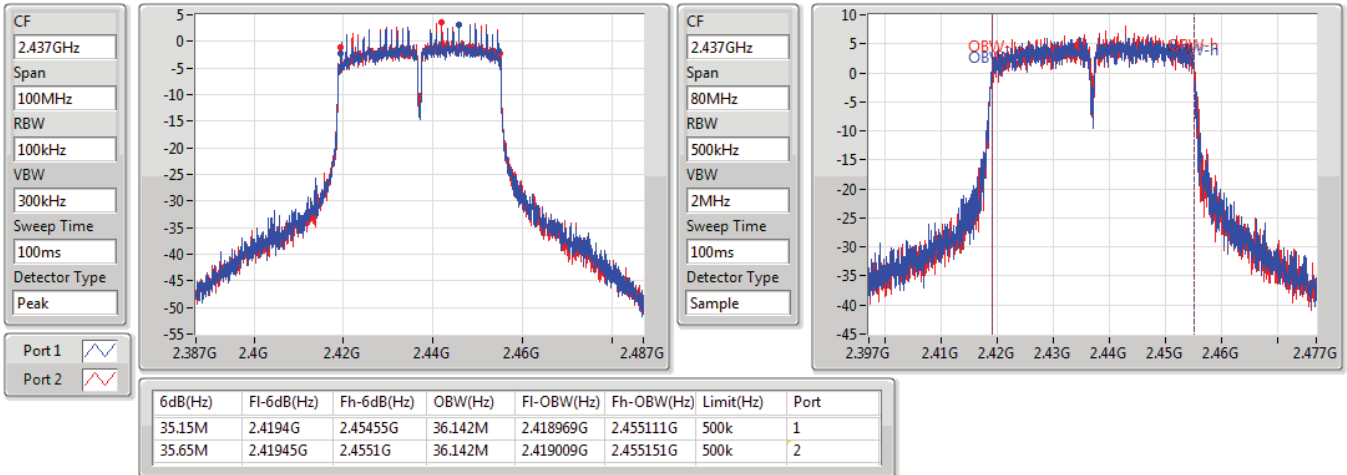


# VHT40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

02/04/2020

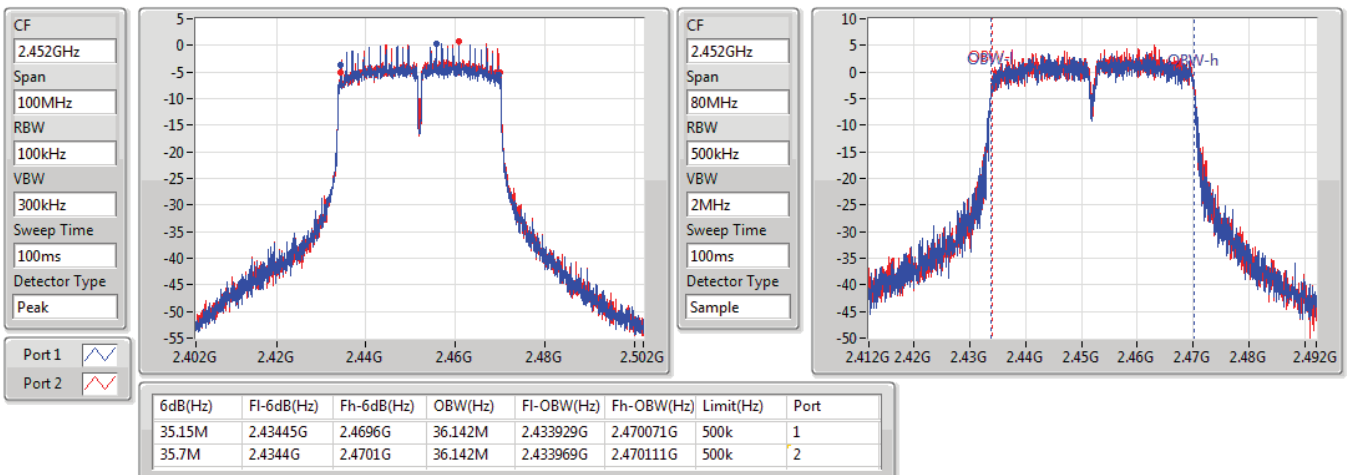


# VHT40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

02/04/2020





## Average Power\_Non Beamforming\_Indoor\_Sample 1\_Radio 2 Appendix C.1

### Summary

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX       | 21.33                | 0.13583            |
| 802.11g_Nss1,(6Mbps)_2TX       | 26.81                | 0.47973            |
| VHT20_Nss1,(MCS0)_2TX          | 26.95                | 0.49545            |
| VHT40_Nss1,(MCS0)_2TX          | 26.10                | 0.40738            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 27.11                | 0.51404            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 26.18                | 0.41495            |



## Average Power\_Non Beamforming\_Indoor\_Sample 1\_Radio 2 Appendix C.1

### Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 18.18           | 18.46           | 21.33                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 18.14           | 18.46           | 21.31                | 30.00                |
| 2457MHz                        | Pass   | 5.23        | 17.70           | 17.85           | 20.79                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 16.68           | 16.90           | 19.80                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 23.21           | 23.29           | 26.26                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 23.69           | 23.90           | 26.81                | 30.00                |
| 2457MHz                        | Pass   | 5.23        | 21.17           | 21.32           | 24.26                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 20.97           | 21.10           | 24.05                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 23.53           | 23.57           | 26.56                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 23.78           | 24.09           | 26.95                | 30.00                |
| 2457MHz                        | Pass   | 5.23        | 21.39           | 21.86           | 24.64                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 21.30           | 21.53           | 24.43                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                        | Pass   | 5.23        | 22.12           | 22.53           | 25.34                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 22.93           | 23.24           | 26.10                | 30.00                |
| 2447MHz                        | Pass   | 5.23        | 21.75           | 22.10           | 24.94                | 30.00                |
| 2452MHz                        | Pass   | 5.23        | 20.81           | 21.12           | 23.98                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 23.74           | 23.88           | 26.82                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 23.96           | 24.24           | 27.11                | 30.00                |
| 2457MHz                        | Pass   | 5.23        | 21.70           | 22.10           | 24.91                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 21.60           | 21.83           | 24.73                | 30.00                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                        | Pass   | 5.23        | 22.21           | 22.63           | 25.44                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 23.02           | 23.31           | 26.18                | 30.00                |
| 2447MHz                        | Pass   | 5.23        | 21.88           | 22.27           | 25.09                | 30.00                |
| 2452MHz                        | Pass   | 5.23        | 20.87           | 21.23           | 24.06                | 30.00                |

DG = Directional Gain; Port X = Port X output power



**Summary**

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| VHT20,BF_Nss1,(MCS0)_2TX          | 24.63                | 0.29040            |
| VHT40,BF_Nss1,(MCS0)_2TX          | 23.78                | 0.23878            |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | 24.79                | 0.30130            |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | 23.86                | 0.24322            |

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| VHT20,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.55        | 21.21           | 21.25           | 24.24                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 21.46           | 21.77           | 24.63                | 28.45                |
| 2457MHz                           | Pass   | 7.55        | 19.07           | 19.54           | 22.32                | 28.45                |
| 2462MHz                           | Pass   | 7.55        | 18.98           | 19.21           | 22.11                | 28.45                |
| VHT40,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.55        | 19.80           | 20.21           | 23.02                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 20.61           | 20.92           | 23.78                | 28.45                |
| 2447MHz                           | Pass   | 7.55        | 19.43           | 19.78           | 22.62                | 28.45                |
| 2452MHz                           | Pass   | 7.55        | 18.49           | 18.80           | 21.66                | 28.45                |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.55        | 21.42           | 21.56           | 24.50                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 21.64           | 21.92           | 24.79                | 28.45                |
| 2457MHz                           | Pass   | 7.55        | 19.38           | 19.78           | 22.59                | 28.45                |
| 2462MHz                           | Pass   | 7.55        | 19.28           | 19.51           | 22.41                | 28.45                |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.55        | 19.89           | 20.31           | 23.12                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 20.70           | 20.99           | 23.86                | 28.45                |
| 2447MHz                           | Pass   | 7.55        | 19.56           | 19.95           | 22.77                | 28.45                |
| 2452MHz                           | Pass   | 7.55        | 18.55           | 18.91           | 21.74                | 28.45                |

**DG** = Directional Gain; **Port X** = Port X output power



## Average Power\_Non Beamforming\_Indoor\_Sample 1\_Radio 3 Appendix C.3

### Summary

| Mode                     | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------|----------------------|--------------------|
| 2.4-2.4835GHz            | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX | 18.96                | 0.07870            |
| 802.11g_Nss1,(6Mbps)_2TX | 23.16                | 0.20701            |
| VHT20_Nss1,(MCS0)_2TX    | 23.20                | 0.20893            |
| VHT40_Nss1,(MCS0)_2TX    | 20.08                | 0.10186            |



## Average Power\_Non Beamforming Indoor\_Sample 1\_Radio 3 Appendix C.3

### Result

| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                  | Pass   | 4.44        | 15.76           | 14.46           | 18.17                | 30.00                |
| 2417MHz                  | Pass   | 4.44        | 15.64           | 14.51           | 18.12                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 16.62           | 15.16           | 18.96                | 30.00                |
| 2457MHz                  | Pass   | 4.44        | 16.59           | 15.13           | 18.93                | 30.00                |
| 2462MHz                  | Pass   | 4.44        | 15.91           | 14.51           | 18.28                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                  | Pass   | 4.44        | 17.93           | 16.60           | 20.33                | 30.00                |
| 2417MHz                  | Pass   | 4.44        | 19.41           | 18.09           | 21.81                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 20.84           | 19.32           | 23.16                | 30.00                |
| 2457MHz                  | Pass   | 4.44        | 18.68           | 17.24           | 21.03                | 30.00                |
| 2462MHz                  | Pass   | 4.44        | 17.35           | 15.91           | 19.70                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                  | Pass   | 4.44        | 17.84           | 16.66           | 20.30                | 30.00                |
| 2417MHz                  | Pass   | 4.44        | 19.34           | 17.99           | 21.73                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 20.89           | 19.35           | 23.20                | 30.00                |
| 2457MHz                  | Pass   | 4.44        | 19.06           | 17.66           | 21.43                | 30.00                |
| 2462MHz                  | Pass   | 4.44        | 17.20           | 15.80           | 19.57                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                  | Pass   | 4.44        | 14.00           | 12.55           | 16.35                | 30.00                |
| 2427MHz                  | Pass   | 4.44        | 14.95           | 13.50           | 17.30                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 17.73           | 16.28           | 20.08                | 30.00                |
| 2447MHz                  | Pass   | 4.44        | 14.90           | 13.36           | 17.21                | 30.00                |
| 2452MHz                  | Pass   | 4.44        | 11.71           | 10.49           | 14.15                | 30.00                |

**DG** = Directional Gain; **Port X** = Port X output power



## Average Power\_Non Beamforming\_Indoor\_Sample 2\_Radio 2 Appendix C.4

### Summary

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX       | 28.53                | 0.71285            |
| 802.11g_Nss1,(6Mbps)_2TX       | 28.23                | 0.66527            |
| VHT20_Nss1,(MCS0)_2TX          | 27.89                | 0.61518            |
| VHT40_Nss1,(MCS0)_2TX          | 24.78                | 0.30061            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 28.24                | 0.66681            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 24.81                | 0.30269            |



## Average Power\_Non Beamforming\_Indoor\_Sample 2\_Radio 2 Appendix C.4

### Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 2.40        | 25.15           | 25.16           | 28.17                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 2.40        | 25.36           | 25.68           | 28.53                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 2.40        | 25.48           | 25.40           | 28.45                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 2.40        | 22.47           | 22.66           | 25.58                | 30.00                |
| 2417MHz_TnomVnom               | Pass   | 2.40        | 23.47           | 23.82           | 26.66                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 2.40        | 25.05           | 25.38           | 28.23                | 30.00                |
| 2457MHz_TnomVnom               | Pass   | 2.40        | 21.41           | 21.64           | 24.54                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 2.40        | 21.34           | 21.36           | 24.36                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 2.40        | 21.44           | 21.56           | 24.51                | 30.00                |
| 2417MHz_TnomVnom               | Pass   | 2.40        | 23.11           | 23.21           | 26.17                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 2.40        | 24.84           | 24.91           | 27.89                | 30.00                |
| 2457MHz_TnomVnom               | Pass   | 2.40        | 21.31           | 21.56           | 24.45                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 2.40        | 21.20           | 21.06           | 24.14                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom               | Pass   | 2.40        | 19.85           | 20.29           | 23.09                | 30.00                |
| 2427MHz_TnomVnom               | Pass   | 2.40        | 20.00           | 20.66           | 23.35                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 2.40        | 21.64           | 21.90           | 24.78                | 30.00                |
| 2447MHz_TnomVnom               | Pass   | 2.40        | 20.62           | 20.95           | 23.80                | 30.00                |
| 2452MHz_TnomVnom               | Pass   | 2.40        | 20.68           | 20.63           | 23.67                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 2.40        | 21.70           | 21.79           | 24.76                | 30.00                |
| 2417MHz_TnomVnom               | Pass   | 2.40        | 23.33           | 23.39           | 26.37                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 2.40        | 25.11           | 25.34           | 28.24                | 30.00                |
| 2457MHz_TnomVnom               | Pass   | 2.40        | 21.56           | 21.73           | 24.66                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 2.40        | 21.49           | 21.36           | 24.44                | 30.00                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom               | Pass   | 2.40        | 20.15           | 20.56           | 23.37                | 30.00                |
| 2427MHz_TnomVnom               | Pass   | 2.40        | 20.47           | 20.29           | 23.39                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 2.40        | 21.80           | 21.80           | 24.81                | 30.00                |
| 2447MHz_TnomVnom               | Pass   | 2.40        | 20.77           | 21.02           | 23.91                | 30.00                |
| 2452MHz_TnomVnom               | Pass   | 2.40        | 20.70           | 20.95           | 23.84                | 30.00                |

**DG** = Directional Gain; **Port X** = Port X output power



**Summary**

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| VHT20,BF_Nss1,(MCS0)_2TX          | 24.96                | 0.31333            |
| VHT40,BF_Nss1,(MCS0)_2TX          | 21.85                | 0.15311            |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | 25.31                | 0.33963            |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | 21.88                | 0.15417            |

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| VHT20,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 5.33        | 18.51           | 18.63           | 21.58                | 30.00                |
| 2417MHz                           | Pass   | 5.33        | 20.18           | 20.28           | 23.24                | 30.00                |
| 2437MHz                           | Pass   | 5.33        | 21.91           | 21.98           | 24.96                | 30.00                |
| 2457MHz                           | Pass   | 5.33        | 18.38           | 18.63           | 21.52                | 30.00                |
| 2462MHz                           | Pass   | 5.33        | 18.27           | 18.13           | 21.21                | 30.00                |
| VHT40,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 5.33        | 16.92           | 17.36           | 20.16                | 30.00                |
| 2427MHz                           | Pass   | 5.33        | 17.07           | 17.73           | 20.42                | 30.00                |
| 2437MHz                           | Pass   | 5.33        | 18.71           | 18.97           | 21.85                | 30.00                |
| 2447MHz                           | Pass   | 5.33        | 17.69           | 18.02           | 20.87                | 30.00                |
| 2452MHz                           | Pass   | 5.33        | 17.75           | 17.7            | 20.74                | 30.00                |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 5.33        | 18.77           | 18.86           | 21.83                | 30.00                |
| 2417MHz                           | Pass   | 5.33        | 20.4            | 20.46           | 23.44                | 30.00                |
| 2437MHz                           | Pass   | 5.33        | 22.18           | 22.41           | 25.31                | 30.00                |
| 2457MHz                           | Pass   | 5.33        | 18.63           | 18.8            | 21.73                | 30.00                |
| 2462MHz                           | Pass   | 5.33        | 18.56           | 18.43           | 21.51                | 30.00                |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 5.33        | 17.22           | 17.63           | 20.44                | 30.00                |
| 2427MHz                           | Pass   | 5.33        | 17.54           | 17.36           | 20.46                | 30.00                |
| 2437MHz                           | Pass   | 5.33        | 18.87           | 18.87           | 21.88                | 30.00                |
| 2447MHz                           | Pass   | 5.33        | 17.84           | 18.09           | 20.98                | 30.00                |
| 2452MHz                           | Pass   | 5.33        | 17.77           | 18.02           | 20.91                | 30.00                |

**DG** = Directional Gain; **Port X** = Port X output power



## Average Power\_Non Beamforming\_Indoor\_Sample 2\_Radio 3 Appendix C.6

### Summary

| Mode                     | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------|----------------------|--------------------|
| 2.4-2.4835GHz            | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX | 17.65                | 0.05821            |
| 802.11g_Nss1,(6Mbps)_2TX | 23.20                | 0.20893            |
| VHT20_Nss1,(MCS0)_2TX    | 23.23                | 0.21038            |
| VHT40_Nss1,(MCS0)_2TX    | 19.09                | 0.08110            |



## Average Power\_Non Beamforming\_Indoor\_Sample 2\_Radio 3 Appendix C.6

### Result

| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom         | Pass   | 2.37        | 14.38           | 14.31           | 17.36                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 2.37        | 14.26           | 14.46           | 17.37                | 30.00                |
| 2462MHz_TnomVnom         | Pass   | 2.37        | 14.39           | 14.87           | 17.65                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom         | Pass   | 2.37        | 16.08           | 15.98           | 19.04                | 30.00                |
| 2417MHz_TnomVnom         | Pass   | 2.37        | 17.07           | 16.97           | 20.03                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 2.37        | 20.21           | 20.16           | 23.20                | 30.00                |
| 2457MHz_TnomVnom         | Pass   | 2.37        | 18.64           | 18.79           | 21.73                | 30.00                |
| 2462MHz_TnomVnom         | Pass   | 2.37        | 17.35           | 17.14           | 20.26                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom         | Pass   | 2.37        | 15.11           | 15.04           | 18.09                | 30.00                |
| 2417MHz_TnomVnom         | Pass   | 2.37        | 17.51           | 17.75           | 20.64                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 2.37        | 20.14           | 20.29           | 23.23                | 30.00                |
| 2457MHz_TnomVnom         | Pass   | 2.37        | 19.89           | 19.57           | 22.74                | 30.00                |
| 2462MHz_TnomVnom         | Pass   | 2.37        | 16.66           | 16.92           | 19.80                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom         | Pass   | 2.37        | 11.21           | 11.41           | 14.32                | 30.00                |
| 2427MHz_TnomVnom         | Pass   | 2.37        | 13.10           | 13.05           | 16.09                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 2.37        | 16.15           | 16.01           | 19.09                | 30.00                |
| 2447MHz_TnomVnom         | Pass   | 2.37        | 15.49           | 15.76           | 18.64                | 30.00                |
| 2452MHz_TnomVnom         | Pass   | 2.37        | 12.30           | 12.51           | 15.42                | 30.00                |

DG = Directional Gain; Port X = Port X output power



## Average Power\_Non Beamforming\_Outdoor\_Sample 3\_Radio 2 Appendix C.7

### Summary

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX       | 21.33                | 0.13583            |
| 802.11g_Nss1,(6Mbps)_2TX       | 28.23                | 0.66527            |
| VHT20_Nss1,(MCS0)_2TX          | 27.97                | 0.62661            |
| VHT40_Nss1,(MCS0)_2TX          | 25.17                | 0.32885            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 28.29                | 0.67453            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 25.34                | 0.34198            |



## Average Power\_Non Beamforming\_Outdoor\_Sample 3\_Radio 2 Appendix C.7

### Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 18.29           | 18.34           | 21.33                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 14.97           | 14.83           | 17.91                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 16.37           | 16.88           | 19.64                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 22.18           | 22.39           | 25.30                | 30.00                |
| 2417MHz                        | Pass   | 5.23        | 23.31           | 23.59           | 26.46                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 25.14           | 25.29           | 28.23                | 30.00                |
| 2457MHz                        | Pass   | 5.23        | 22.91           | 23.14           | 26.04                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 21.36           | 21.84           | 24.62                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 21.66           | 21.61           | 24.65                | 30.00                |
| 2417MHz                        | Pass   | 5.23        | 22.69           | 22.95           | 25.83                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 24.92           | 25.00           | 27.97                | 30.00                |
| 2457MHz                        | Pass   | 5.23        | 21.75           | 22.15           | 24.96                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 19.72           | 20.16           | 22.96                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                        | Pass   | 5.23        | 20.30           | 20.91           | 23.63                | 30.00                |
| 2427MHz                        | Pass   | 5.23        | 20.53           | 20.96           | 23.76                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 22.04           | 22.28           | 25.17                | 30.00                |
| 2447MHz                        | Pass   | 5.23        | 21.19           | 21.40           | 24.31                | 30.00                |
| 2452MHz                        | Pass   | 5.23        | 21.16           | 21.30           | 24.24                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                        | Pass   | 5.23        | 21.86           | 21.90           | 24.89                | 30.00                |
| 2417MHz                        | Pass   | 5.23        | 22.97           | 23.09           | 26.04                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 25.25           | 25.31           | 28.29                | 30.00                |
| 2457MHz                        | Pass   | 5.23        | 21.88           | 22.39           | 25.15                | 30.00                |
| 2462MHz                        | Pass   | 5.23        | 19.95           | 20.56           | 23.28                | 30.00                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                        | Pass   | 5.23        | 20.48           | 21.12           | 23.82                | 30.00                |
| 2427MHz                        | Pass   | 5.23        | 20.69           | 21.19           | 23.96                | 30.00                |
| 2437MHz                        | Pass   | 5.23        | 22.22           | 22.44           | 25.34                | 30.00                |
| 2447MHz                        | Pass   | 5.23        | 21.23           | 21.51           | 24.38                | 30.00                |
| 2452MHz                        | Pass   | 5.23        | 21.28           | 21.49           | 24.40                | 30.00                |

**DG** = Directional Gain; **Port X** = Port X output power



**Summary**

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| VHT20,BF_Nss1,(MCS0)_2TX          | 25.65                | 0.36728            |
| VHT40,BF_Nss1,(MCS0)_2TX          | 22.85                | 0.19275            |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | 25.97                | 0.39537            |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | 23.02                | 0.20045            |

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| VHT20,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.55        | 19.34           | 19.29           | 22.33                | 28.45                |
| 2417MHz                           | Pass   | 7.55        | 20.37           | 20.63           | 23.51                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 22.60           | 22.68           | 25.65                | 28.45                |
| 2457MHz                           | Pass   | 7.55        | 19.43           | 19.83           | 22.64                | 28.45                |
| 2462MHz                           | Pass   | 7.55        | 17.40           | 17.84           | 20.64                | 28.45                |
| VHT40,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.55        | 17.98           | 18.59           | 21.31                | 28.45                |
| 2427MHz                           | Pass   | 7.55        | 18.21           | 18.64           | 21.44                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 19.72           | 19.96           | 22.85                | 28.45                |
| 2447MHz                           | Pass   | 7.55        | 18.87           | 19.08           | 21.99                | 28.45                |
| 2452MHz                           | Pass   | 7.55        | 18.84           | 18.98           | 21.92                | 28.45                |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.55        | 19.54           | 19.58           | 22.57                | 28.45                |
| 2417MHz                           | Pass   | 7.55        | 20.65           | 20.77           | 23.72                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 22.93           | 22.99           | 25.97                | 28.45                |
| 2457MHz                           | Pass   | 7.55        | 19.56           | 20.07           | 22.83                | 28.45                |
| 2462MHz                           | Pass   | 7.55        | 17.63           | 18.24           | 20.96                | 28.45                |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.55        | 18.16           | 18.80           | 21.50                | 28.45                |
| 2427MHz                           | Pass   | 7.55        | 18.37           | 18.87           | 21.64                | 28.45                |
| 2437MHz                           | Pass   | 7.55        | 19.90           | 20.12           | 23.02                | 28.45                |
| 2447MHz                           | Pass   | 7.55        | 18.91           | 19.19           | 22.06                | 28.45                |
| 2452MHz                           | Pass   | 7.55        | 18.96           | 19.17           | 22.08                | 28.45                |

**DG** = Directional Gain; **Port X** = Port X output power



## Average Power\_Non Beamforming\_Outdoor\_Sample 3\_Radio 3 Appendix C.9

### Summary

| Mode                     | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------|----------------------|--------------------|
| 2.4-2.4835GHz            | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX | 22.02                | 0.15922            |
| 802.11g_Nss1,(6Mbps)_2TX | 24.06                | 0.25468            |
| VHT20_Nss1,(MCS0)_2TX    | 23.99                | 0.25061            |
| VHT40_Nss1,(MCS0)_2TX    | 21.16                | 0.13062            |



## Average Power\_Non Beamforming\_Outdoor\_Sample 3\_Radio 3 Appendix C.9

### Result

| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                  | Pass   | 4.44        | 17.90           | 18.14           | 21.03                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 18.92           | 19.10           | 22.02                | 30.00                |
| 2462MHz                  | Pass   | 4.44        | 17.82           | 17.79           | 20.82                | 30.00                |
| 2417MHz                  | Pass   | 4.44        | 18.48           | 18.82           | 21.66                | 30.00                |
| 2457MHz                  | Pass   | 4.44        | 18.29           | 18.47           | 21.39                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                  | Pass   | 4.44        | 17.46           | 17.54           | 20.51                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 21.11           | 20.99           | 24.06                | 30.00                |
| 2462MHz                  | Pass   | 4.44        | 18.17           | 18.29           | 21.24                | 30.00                |
| 2417MHz                  | Pass   | 4.44        | 18.63           | 18.55           | 21.60                | 30.00                |
| 2457MHz                  | Pass   | 4.44        | 19.22           | 19.24           | 22.24                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                  | Pass   | 4.44        | 16.30           | 16.53           | 19.43                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 21.01           | 20.94           | 23.99                | 30.00                |
| 2462MHz                  | Pass   | 4.44        | 17.05           | 17.15           | 20.11                | 30.00                |
| 2417MHz                  | Pass   | 4.44        | 18.50           | 18.54           | 21.53                | 30.00                |
| 2457MHz                  | Pass   | 4.44        | 20.15           | 20.16           | 23.17                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                  | Pass   | 4.44        | 13.74           | 14.00           | 16.88                | 30.00                |
| 2437MHz                  | Pass   | 4.44        | 18.12           | 18.17           | 21.16                | 30.00                |
| 2452MHz                  | Pass   | 4.44        | 13.38           | 13.38           | 16.39                | 30.00                |
| 2427MHz                  | Pass   | 4.44        | 14.27           | 14.40           | 17.35                | 30.00                |
| 2447MHz                  | Pass   | 4.44        | 17.82           | 17.91           | 20.88                | 30.00                |

**DG** = Directional Gain; **Port X** = Port X output power



**Average Power**  
**\_Non Beamforming\_Outdoor\_Sample 4\_Radio 2**

**Appendix C.10**

**Summary**

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                  | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX       | 24.33                | 0.27102            |
| 802.11g_Nss1,(6Mbps)_2TX       | 28.10                | 0.64565            |
| VHT20_Nss1,(MCS0)_2TX          | 27.88                | 0.61376            |
| VHT40_Nss1,(MCS0)_2TX          | 25.24                | 0.33420            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 28.01                | 0.63241            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 25.35                | 0.34277            |



**Average Power**  
**Non Beamforming Outdoor Sample 4 Radio 2**

**Appendix C.10**

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 5.00        | 21.48           | 21.16           | 24.33                | 30.00                |
| 2417MHz_TnomVnom               | Pass   | 5.00        | 18.48           | 18.82           | 21.66                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 5.00        | 20.60           | 20.64           | 23.63                | 30.00                |
| 2457MHz_TnomVnom               | Pass   | 5.00        | 18.29           | 18.47           | 21.39                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 5.00        | 20.84           | 20.46           | 23.66                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 5.00        | 24.04           | 23.80           | 26.93                | 30.00                |
| 2417MHz_TnomVnom               | Pass   | 5.00        | 25.00           | 24.82           | 27.92                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 5.00        | 25.12           | 25.06           | 28.10                | 30.00                |
| 2457MHz_TnomVnom               | Pass   | 5.00        | 21.77           | 21.52           | 24.66                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 5.00        | 20.64           | 20.28           | 23.47                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 5.00        | 23.00           | 22.90           | 25.96                | 30.00                |
| 2417MHz_TnomVnom               | Pass   | 5.00        | 24.02           | 23.75           | 26.90                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 5.00        | 24.90           | 24.84           | 27.88                | 30.00                |
| 2457MHz_TnomVnom               | Pass   | 5.00        | 22.07           | 21.88           | 24.99                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 5.00        | 17.53           | 17.21           | 20.38                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom               | Pass   | 5.00        | 20.36           | 20.15           | 23.27                | 30.00                |
| 2427MHz_TnomVnom               | Pass   | 5.00        | 21.57           | 21.43           | 24.51                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 5.00        | 22.19           | 22.27           | 25.24                | 30.00                |
| 2447MHz_TnomVnom               | Pass   | 5.00        | 21.76           | 21.70           | 24.74                | 30.00                |
| 2452MHz_TnomVnom               | Pass   | 5.00        | 18.86           | 18.72           | 21.80                | 30.00                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom               | Pass   | 5.00        | 23.29           | 23.02           | 26.17                | 30.00                |
| 2417MHz_TnomVnom               | Pass   | 5.00        | 24.27           | 23.55           | 26.94                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 5.00        | 25.06           | 24.93           | 28.01                | 30.00                |
| 2457MHz_TnomVnom               | Pass   | 5.00        | 22.37           | 22.15           | 25.27                | 30.00                |
| 2462MHz_TnomVnom               | Pass   | 5.00        | 17.86           | 17.52           | 20.70                | 30.00                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom               | Pass   | 5.00        | 20.39           | 20.29           | 23.35                | 30.00                |
| 2427MHz_TnomVnom               | Pass   | 5.00        | 21.59           | 21.58           | 24.60                | 30.00                |
| 2437MHz_TnomVnom               | Pass   | 5.00        | 22.31           | 22.36           | 25.35                | 30.00                |
| 2447MHz_TnomVnom               | Pass   | 5.00        | 21.95           | 21.77           | 24.87                | 30.00                |
| 2452MHz_TnomVnom               | Pass   | 5.00        | 19.01           | 18.87           | 21.95                | 30.00                |

**DG** = Directional Gain; **Port X** = Port X output power



## Average Power\_ Beamforming\_Outdoor\_Sample 4\_Radio 2 Appendix C.11

### Summary

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| VHT20,BF_Nss1,(MCS0)_2TX          | 24.92                | 0.31046            |
| VHT40,BF_Nss1,(MCS0)_2TX          | 22.28                | 0.16904            |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | 25.05                | 0.31989            |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | 22.39                | 0.17338            |

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| VHT20,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.96        | 20.04           | 19.94           | 23.00                | 28.04                |
| 2417MHz                           | Pass   | 7.96        | 21.06           | 20.79           | 23.94                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 21.94           | 21.88           | 24.92                | 28.04                |
| 2457MHz                           | Pass   | 7.96        | 19.11           | 18.92           | 22.03                | 28.04                |
| 2462MHz                           | Pass   | 7.96        | 14.57           | 14.25           | 17.42                | 28.04                |
| VHT40,BF_Nss1,(MCS0)_2TX          | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.96        | 17.40           | 17.19           | 20.31                | 28.04                |
| 2427MHz                           | Pass   | 7.96        | 18.61           | 18.47           | 21.55                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 19.23           | 19.31           | 22.28                | 28.04                |
| 2447MHz                           | Pass   | 7.96        | 18.80           | 18.74           | 21.78                | 28.04                |
| 2452MHz                           | Pass   | 7.96        | 15.90           | 15.76           | 18.84                | 28.04                |
| 802.11ax HEW20,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.96        | 20.33           | 20.06           | 23.21                | 28.04                |
| 2417MHz                           | Pass   | 7.96        | 21.31           | 20.59           | 23.98                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 22.10           | 21.97           | 25.05                | 28.04                |
| 2457MHz                           | Pass   | 7.96        | 19.41           | 19.19           | 22.31                | 28.04                |
| 2462MHz                           | Pass   | 7.96        | 14.90           | 14.56           | 17.74                | 28.04                |
| 802.11ax HEW40,BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.96        | 17.43           | 17.33           | 20.39                | 28.04                |
| 2427MHz                           | Pass   | 7.96        | 18.63           | 18.62           | 21.64                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 19.35           | 19.40           | 22.39                | 28.04                |
| 2447MHz                           | Pass   | 7.96        | 18.99           | 18.81           | 21.91                | 28.04                |
| 2452MHz                           | Pass   | 7.96        | 16.05           | 15.91           | 18.99                | 28.04                |

**DG** = Directional Gain; **Port X** = Port X output power



**Average Power**  
**\_Non Beamforming\_Outdoor\_Sample 4\_Radio 3**

**Appendix C.12**

**Summary**

| Mode                     | Total Power<br>(dBm) | Total Power<br>(W) |
|--------------------------|----------------------|--------------------|
| 2.4-2.4835GHz            | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX | 24.26                | 0.26669            |
| 802.11g_Nss1,(6Mbps)_2TX | 23.87                | 0.24378            |
| VHT20_Nss1,(MCS0)_2TX    | 23.81                | 0.24044            |
| VHT40_Nss1,(MCS0)_2TX    | 20.24                | 0.10568            |



**Average Power**  
**Non Beamforming\_Outdoor\_Sample 4\_Radio 3**

**Appendix C.12**

**Result**

| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|--------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom         | Pass   | 4.89        | 19.87           | 20.33           | 23.12                | 30.00                |
| 2417MHz_TnomVnom         | Pass   | 4.89        | 20.87           | 21.16           | 24.03                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 4.89        | 21.11           | 21.38           | 24.26                | 30.00                |
| 2457MHz_TnomVnom         | Pass   | 4.89        | 19.79           | 20.25           | 23.04                | 30.00                |
| 2462MHz_TnomVnom         | Pass   | 4.89        | 19.10           | 19.63           | 22.38                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom         | Pass   | 4.89        | 16.79           | 17.06           | 19.94                | 30.00                |
| 2417MHz_TnomVnom         | Pass   | 4.89        | 17.84           | 18.08           | 20.97                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 4.89        | 20.64           | 21.06           | 23.87                | 30.00                |
| 2457MHz_TnomVnom         | Pass   | 4.89        | 18.54           | 19.06           | 21.82                | 30.00                |
| 2462MHz_TnomVnom         | Pass   | 4.89        | 17.11           | 17.66           | 20.40                | 30.00                |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom         | Pass   | 4.89        | 17.69           | 18.21           | 20.97                | 30.00                |
| 2417MHz_TnomVnom         | Pass   | 4.89        | 17.67           | 18.11           | 20.91                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 4.89        | 20.58           | 21.01           | 23.81                | 30.00                |
| 2457MHz_TnomVnom         | Pass   | 4.89        | 17.98           | 18.53           | 21.27                | 30.00                |
| 2462MHz_TnomVnom         | Pass   | 4.89        | 16.93           | 17.59           | 20.28                | 30.00                |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom         | Pass   | 4.89        | 12.94           | 13.06           | 16.01                | 30.00                |
| 2427MHz_TnomVnom         | Pass   | 4.89        | 15.31           | 15.52           | 18.43                | 30.00                |
| 2437MHz_TnomVnom         | Pass   | 4.89        | 17.02           | 17.32           | 20.18                | 30.00                |
| 2447MHz_TnomVnom         | Pass   | 4.89        | 17.08           | 17.38           | 20.24                | 30.00                |
| 2452MHz_TnomVnom         | Pass   | 4.89        | 14.16           | 14.60           | 17.40                | 30.00                |

**DG** = Directional Gain; **Port X** = Port X output power



Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | -2.75           |
| 802.11g_Nss1,(6Mbps)_2TX       | -1.54           |
| VHT20_Nss1,(MCS0)_2TX          | -0.84           |
| VHT40_Nss1,(MCS0)_2TX          | -3.36           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.54            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -4.50           |

RBW=3 kHz.



Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -5.34               | -5.60               | -2.75           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -5.21               | -5.35               | -2.83           | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -6.42               | -7.16               | -4.13           | 6.45                  |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -2.65               | -2.67               | -1.54           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -2.50               | -4.26               | -1.59           | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -5.98               | -6.26               | -4.88           | 6.45                  |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -3.02               | -2.50               | -0.92           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -2.09               | -2.87               | -0.84           | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -4.41               | -4.59               | -2.94           | 6.45                  |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz                        | Pass   | 7.55        | -6.61               | -6.22               | -3.91           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -6.29               | -4.73               | -3.36           | 6.45                  |
| 2452MHz                        | Pass   | 7.55        | -7.65               | -7.68               | -6.03           | 6.45                  |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -3.21               | -3.19               | -1.63           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -2.56               | -1.82               | 0.54            | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -6.13               | -5.50               | -3.80           | 6.45                  |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz                        | Pass   | 7.55        | -7.23               | -5.78               | -4.62           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -5.24               | -5.41               | -4.50           | 6.45                  |
| 2452MHz                        | Pass   | 7.55        | -6.73               | -7.39               | -5.58           | 6.45                  |

DG = Directional Gain; RBW=3 kHz;

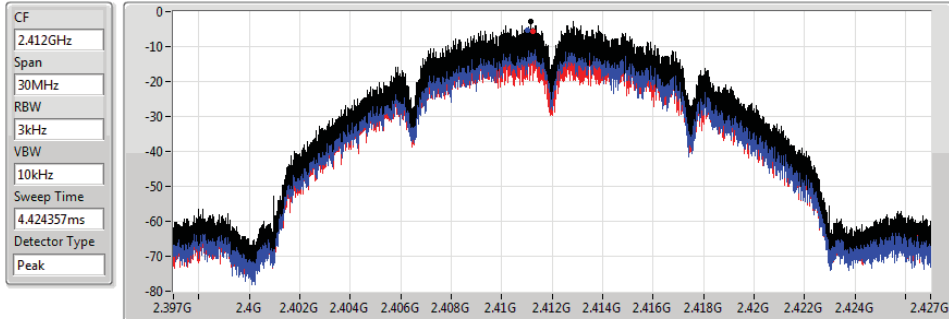
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

### 802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

PSD

17/03/2020



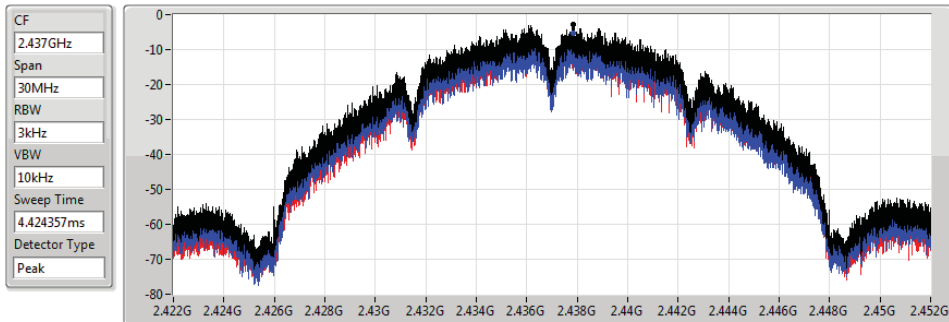
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -2.75        | -2.75        | -5.34        | -5.60        |

### 802.11b\_Nss1,(1Mbps)\_2TX

2437MHz

PSD

17/03/2020



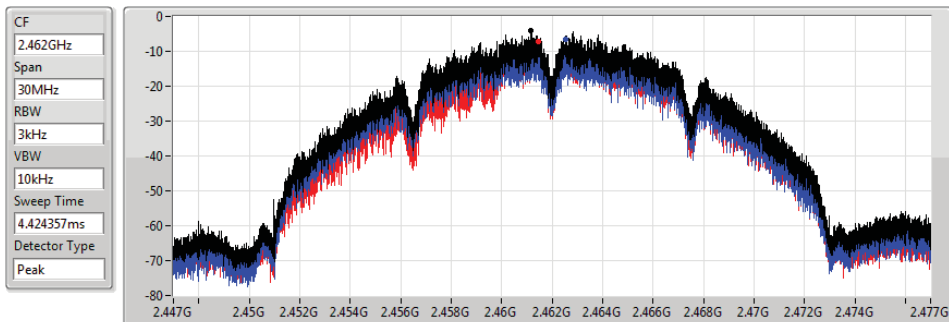
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -2.83        | -2.83        | -5.21        | -5.35        |

### 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

PSD

17/03/2020



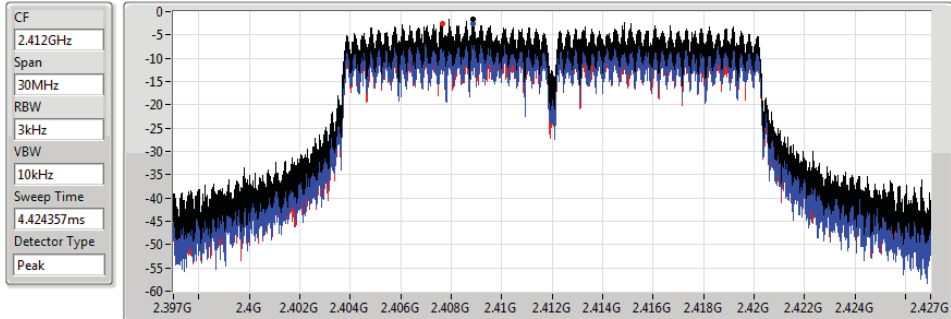
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -4.13        | -4.13        | -6.42        | -7.16        |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

09/03/2020



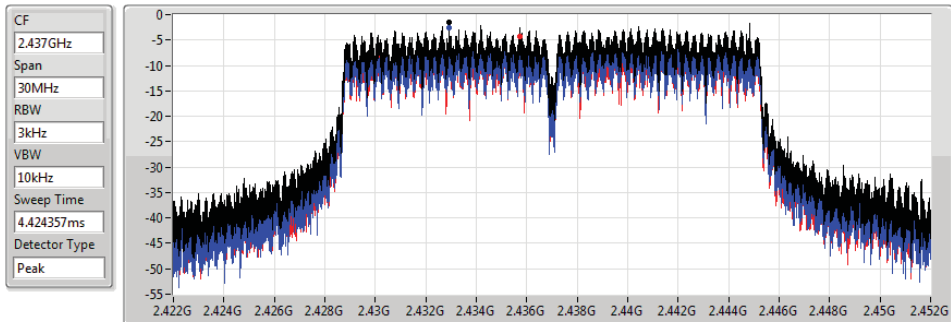
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -1.54       | -1.54       | -2.65       | -2.67       |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

09/03/2020



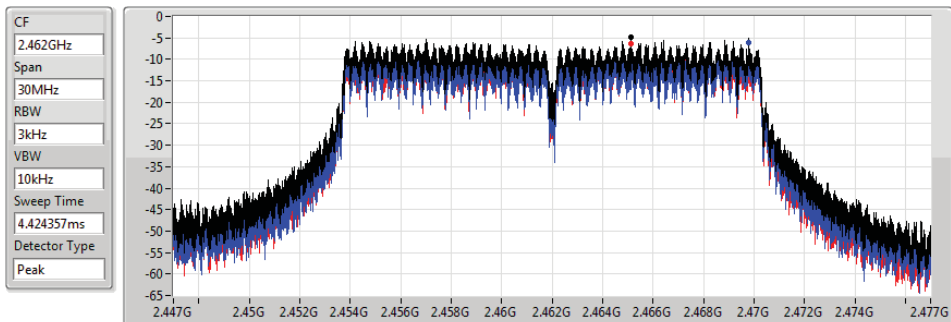
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -1.59       | -1.59       | -2.50       | -4.26       |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

09/03/2020



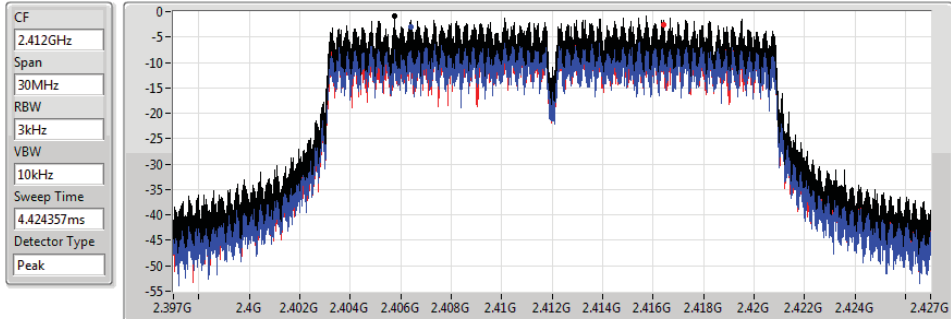
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -4.88       | -4.88       | -5.98       | -6.26       |

### VHT20\_Nss1,(MCS0)\_2TX

2412MHz

PSD

09/03/2020



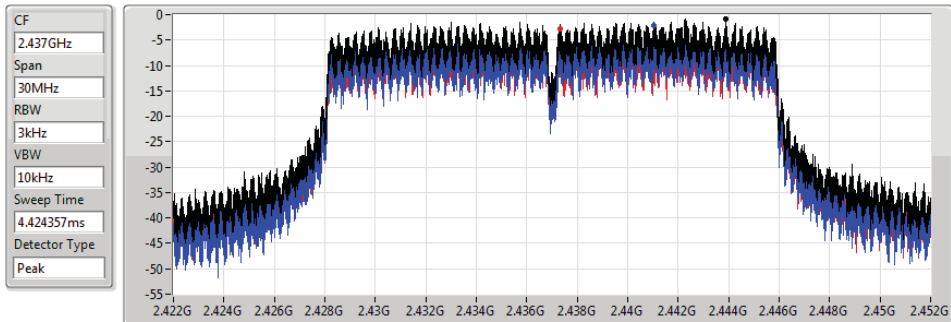
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.92     | -0.92     | -3.02     | -2.50     |

### VHT20\_Nss1,(MCS0)\_2TX

2437MHz

PSD

09/03/2020



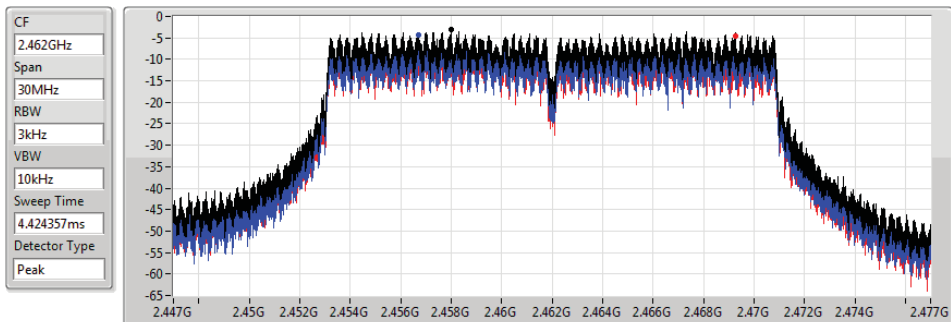
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.84     | -0.84     | -2.09     | -2.87     |

### VHT20\_Nss1,(MCS0)\_2TX

2462MHz

PSD

09/03/2020



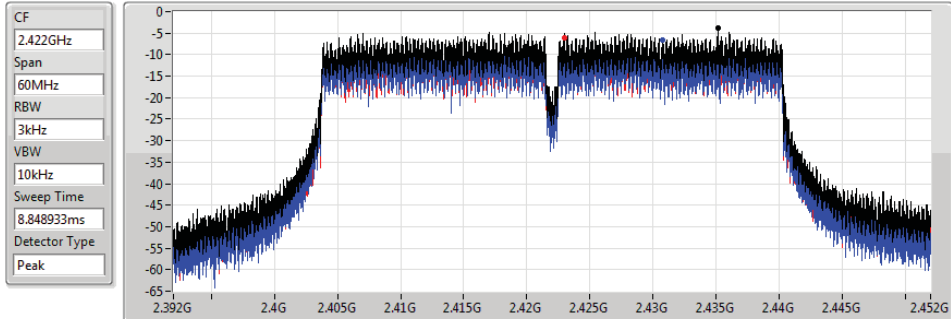
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.94     | -2.94     | -4.41     | -4.59     |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2422MHz

09/03/2020



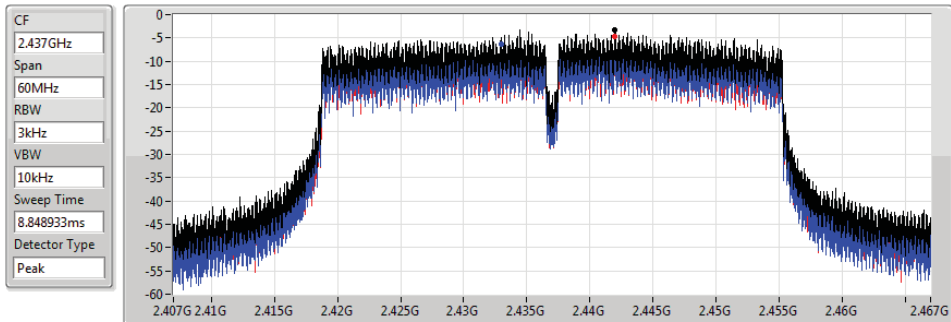
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.91     | -3.91     | -6.61     | -6.22     |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

09/03/2020



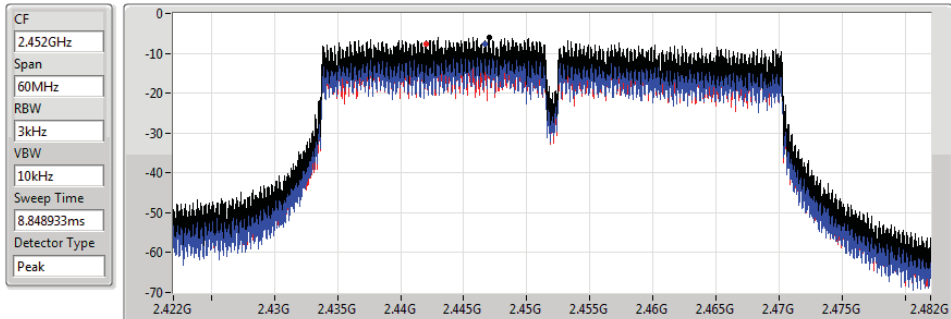
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.36     | -3.36     | -6.29     | -4.73     |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2452MHz

09/03/2020



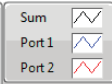
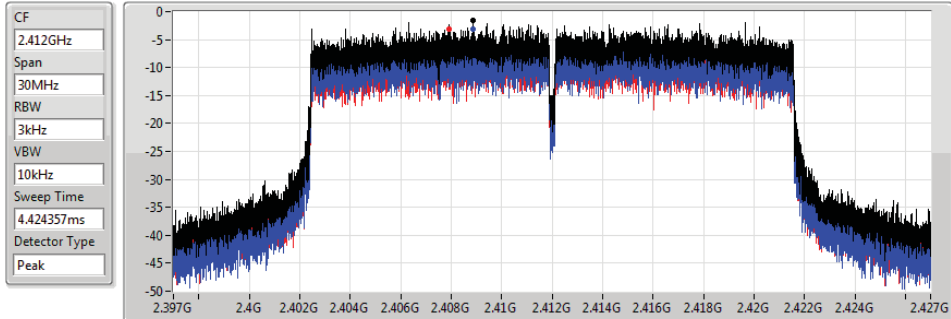
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -6.03     | -6.03     | -7.65     | -7.68     |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

09/03/2020



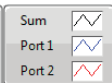
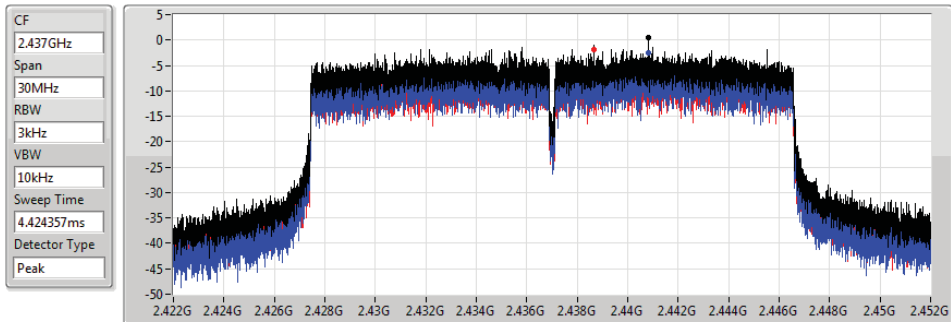
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.63     | -1.63     | -3.21     | -3.19     |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

09/03/2020



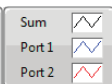
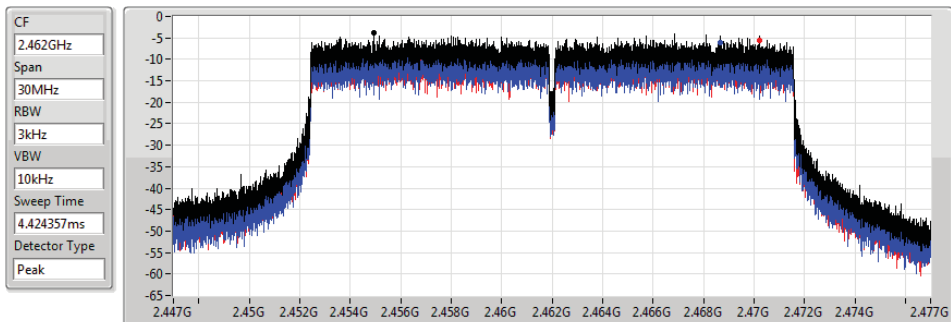
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.54      | 0.54      | -2.56     | -1.82     |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2462MHz

09/03/2020



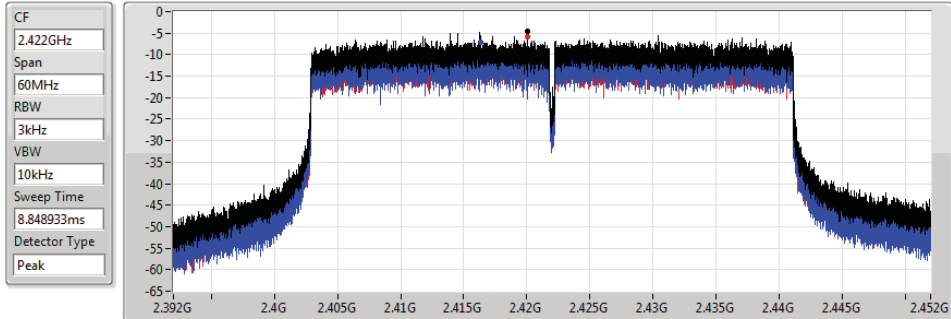
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.80     | -3.80     | -6.13     | -5.50     |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

09/03/2020



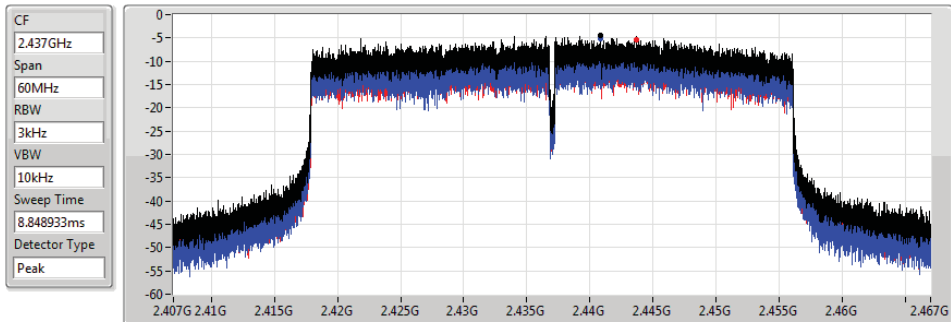
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.62    | -4.62    | -7.23    | -5.78    |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

09/03/2020



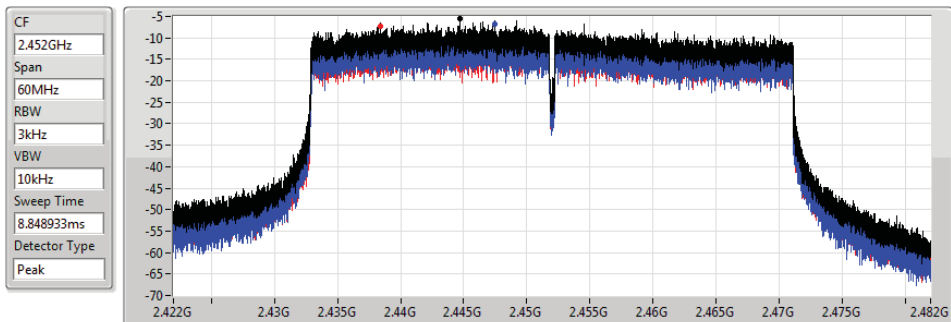
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.50    | -4.50    | -5.24    | -5.41    |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

09/03/2020



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.58    | -5.58    | -6.73    | -7.39    |



Summary

| Mode                     | PD<br>(dBm/RBW) |
|--------------------------|-----------------|
| 2.4-2.4835GHz            | -               |
| 802.11b_Nss1,(1Mbps)_2TX | -11.89          |
| 802.11g_Nss1,(6Mbps)_2TX | -6.46           |
| VHT20_Nss1,(MCS0)_2TX    | -6.74           |
| VHT40_Nss1,(MCS0)_2TX    | -11.95          |

RBW=3 kHz



Result

| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                  | Pass   | 7.44        | -15.12              | -15.79              | -12.75          | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -13.39              | -12.91              | -11.90          | 6.56                  |
| 2462MHz                  | Pass   | 7.44        | -14.98              | -13.49              | -11.89          | 6.56                  |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                  | Pass   | 7.44        | -10.41              | -12.91              | -9.52           | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -7.91               | -10.52              | -6.46           | 6.56                  |
| 2462MHz                  | Pass   | 7.44        | -13.15              | -11.66              | -10.70          | 6.56                  |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                  | Pass   | 7.44        | -12.16              | -12.98              | -10.39          | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -8.89               | -8.88               | -6.74           | 6.56                  |
| 2462MHz                  | Pass   | 7.44        | -10.48              | -14.09              | -10.06          | 6.56                  |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz                  | Pass   | 7.44        | -17.58              | -18.61              | -15.71          | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -13.29              | -14.89              | -11.95          | 6.56                  |
| 2452MHz                  | Pass   | 7.44        | -19.54              | -19.70              | -17.83          | 6.56                  |

DG = Directional Gain; RBW=3 kHz;

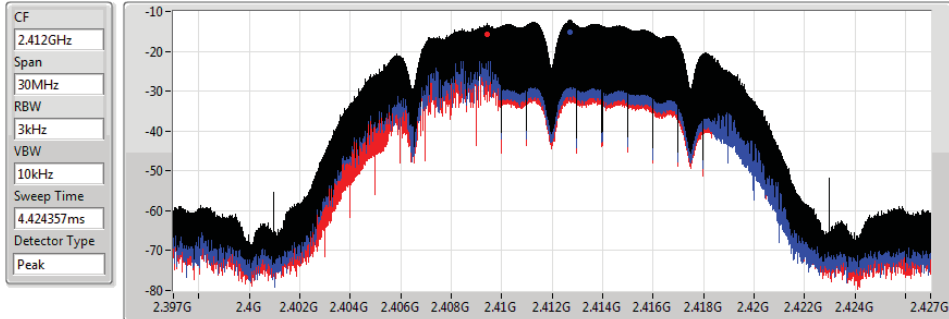
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2412MHz

15/03/2020



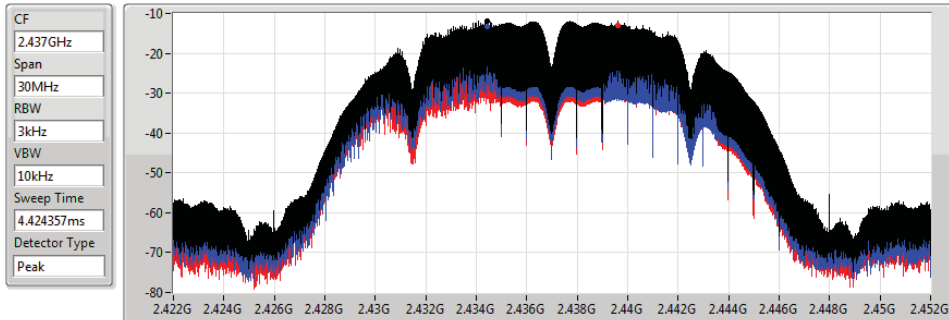
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -12.75   | -12.75   | -15.12   | -15.79   |

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2437MHz

15/03/2020



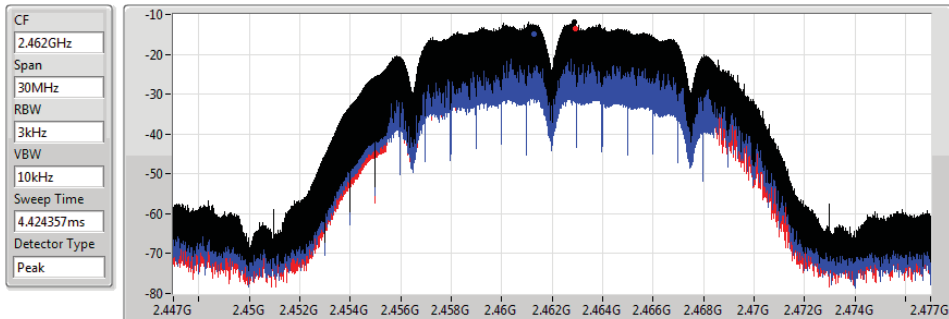
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -11.90   | -11.90   | -13.39   | -12.91   |

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2462MHz

15/03/2020



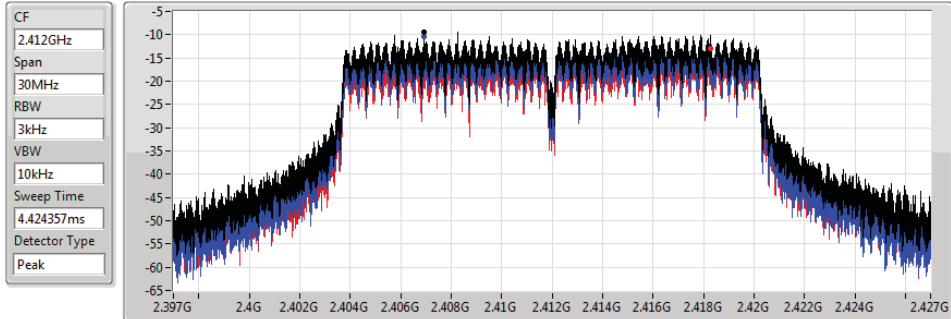
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -11.89   | -11.89   | -14.98   | -13.49   |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

15/03/2020



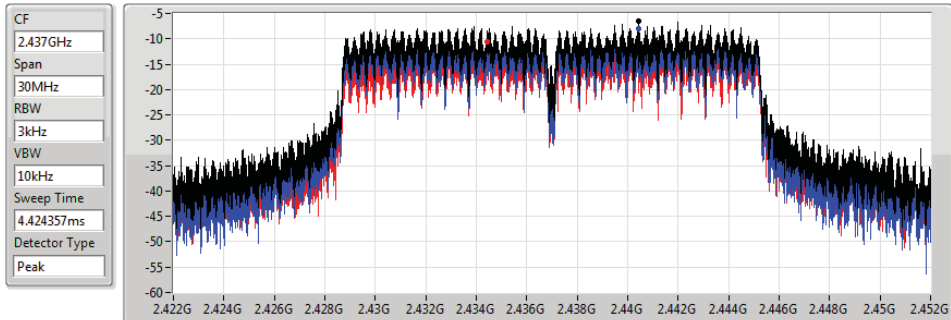
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -9.52    | -9.52    | -10.41   | -12.91   |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

15/03/2020



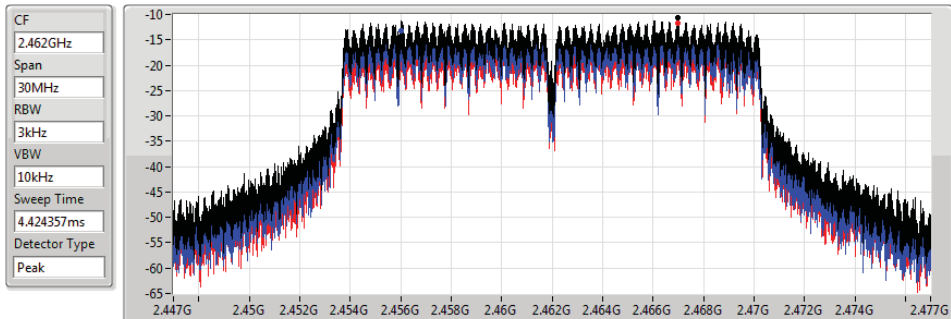
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.46    | -6.46    | -7.91    | -10.52   |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

15/03/2020



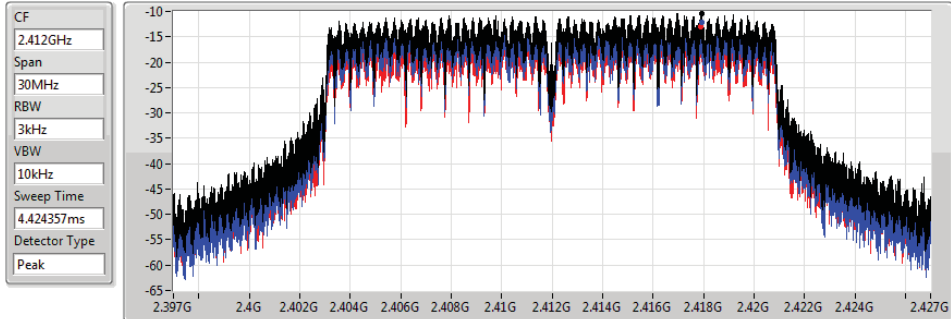
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -10.70   | -10.70   | -13.15   | -11.66   |

### VHT20\_Nss1,(MCS0)\_2TX

2412MHz

PSD

15/03/2020



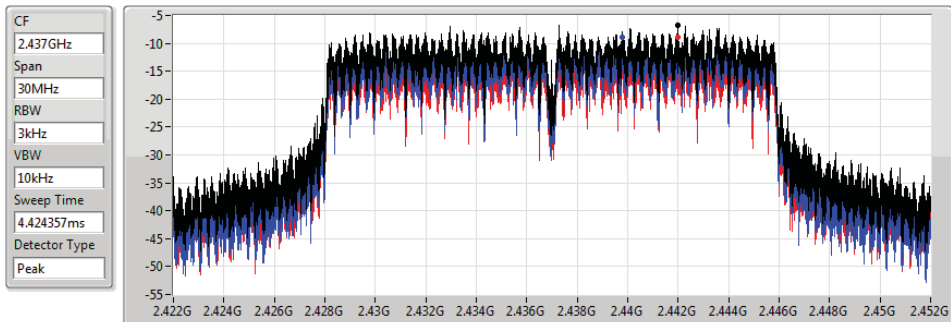
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -10.39   | -10.39   | -12.16   | -12.98   |

### VHT20\_Nss1,(MCS0)\_2TX

2437MHz

PSD

15/03/2020



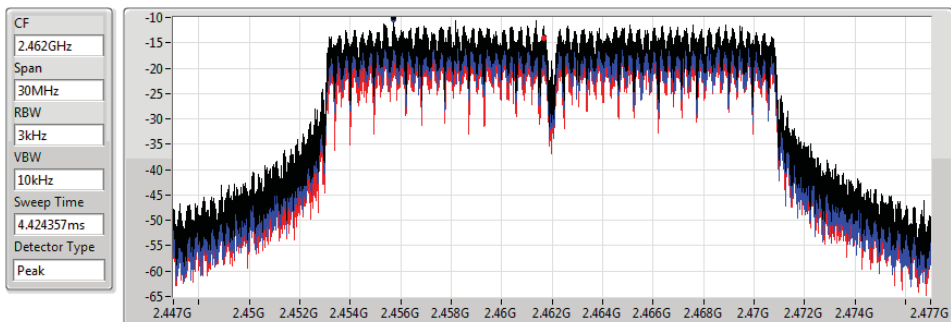
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.74    | -6.74    | -8.89    | -8.88    |

### VHT20\_Nss1,(MCS0)\_2TX

2462MHz

PSD

15/03/2020



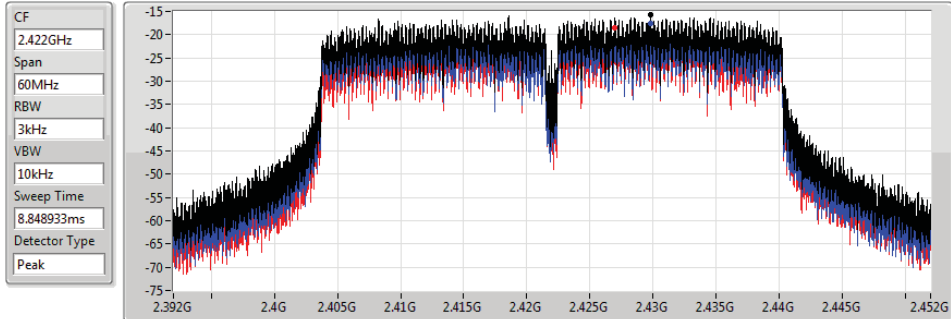
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -10.06   | -10.06   | -10.48   | -14.09   |

### VHT40\_Nss1,(MCS0)\_2TX

2422MHz

PSD

15/03/2020



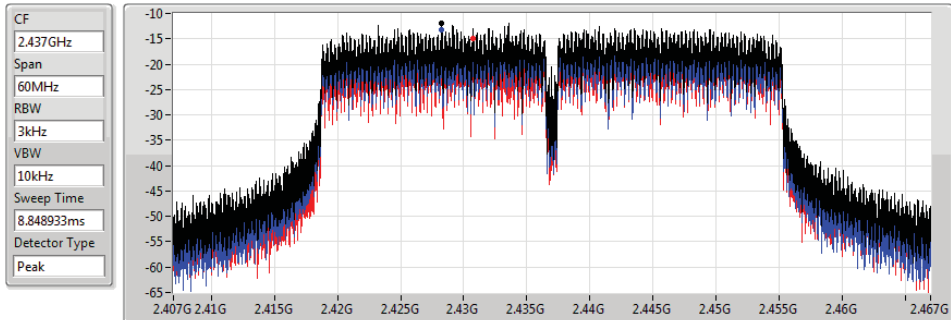
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -15.71   | -15.71   | -17.58   | -18.61   |

### VHT40\_Nss1,(MCS0)\_2TX

2437MHz

PSD

15/03/2020



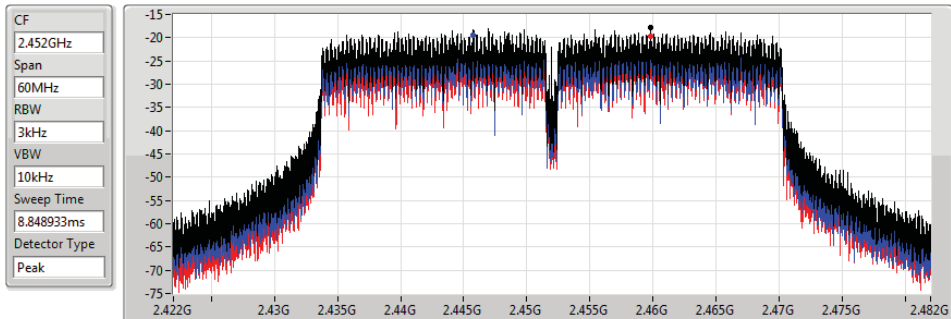
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -11.95   | -11.95   | -13.29   | -14.89   |

### VHT40\_Nss1,(MCS0)\_2TX

2452MHz

PSD

15/03/2020



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -17.83   | -17.83   | -19.54   | -19.70   |



**Summary**

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | 5.73            |
| 802.11g_Nss1,(6Mbps)_2TX       | 0.44            |
| VHT20_Nss1,(MCS0)_2TX          | 0.88            |
| VHT40_Nss1,(MCS0)_2TX          | -4.26           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 1.00            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -5.89           |

RBW=3 kHz



Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 5.33        | 1.23                | 2.53                | 4.67            | 8.00                  |
| 2437MHz_TnomVnom               | Pass   | 5.33        | 1.69                | 2.20                | 4.53            | 8.00                  |
| 2462MHz_TnomVnom               | Pass   | 5.33        | 3.64                | 1.74                | 5.73            | 8.00                  |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 5.33        | -3.59               | -4.70               | -2.66           | 8.00                  |
| 2437MHz_TnomVnom               | Pass   | 5.33        | -0.84               | -1.79               | 0.44            | 8.00                  |
| 2462MHz_TnomVnom               | Pass   | 5.33        | -4.65               | -5.26               | -3.68           | 8.00                  |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 5.33        | -4.63               | -3.74               | -2.55           | 8.00                  |
| 2437MHz_TnomVnom               | Pass   | 5.33        | -1.41               | -0.06               | 0.88            | 8.00                  |
| 2462MHz_TnomVnom               | Pass   | 5.33        | -5.35               | -5.53               | -3.47           | 8.00                  |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom               | Pass   | 5.33        | -8.45               | -8.28               | -7.13           | 8.00                  |
| 2437MHz_TnomVnom               | Pass   | 5.33        | -6.24               | -5.93               | -4.26           | 8.00                  |
| 2452MHz_TnomVnom               | Pass   | 5.33        | -7.75               | -7.76               | -5.14           | 8.00                  |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 5.33        | -4.64               | -4.93               | -3.42           | 8.00                  |
| 2437MHz_TnomVnom               | Pass   | 5.33        | -1.50               | -0.53               | 1.00            | 8.00                  |
| 2462MHz_TnomVnom               | Pass   | 5.33        | -4.51               | -4.97               | -3.57           | 8.00                  |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom               | Pass   | 5.33        | -8.65               | -7.70               | -6.79           | 8.00                  |
| 2437MHz_TnomVnom               | Pass   | 5.33        | -7.26               | -7.46               | -5.89           | 8.00                  |
| 2452MHz_TnomVnom               | Pass   | 5.33        | -7.55               | -7.97               | -6.16           | 8.00                  |

DG = Directional Gain; RBW=3 kHz;

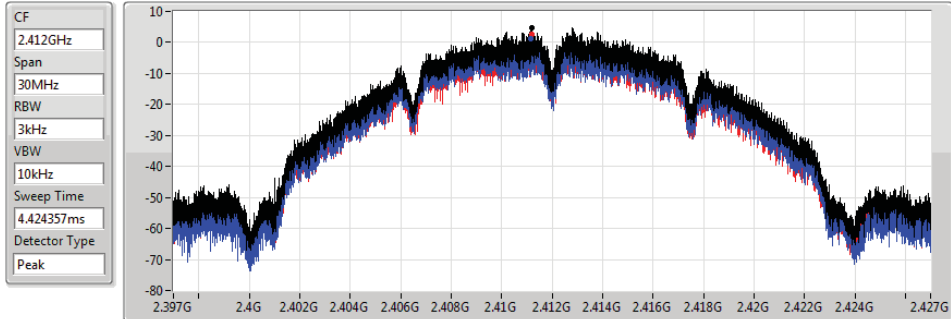
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density

### 802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

PSD

11/03/2020



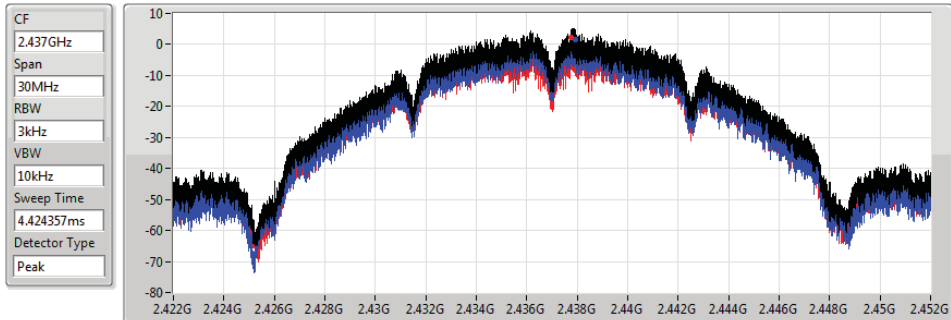
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.67     | 4.67     | 1.23     | 2.53     |

### 802.11b\_Nss1,(1Mbps)\_2TX

2437MHz

PSD

11/03/2020



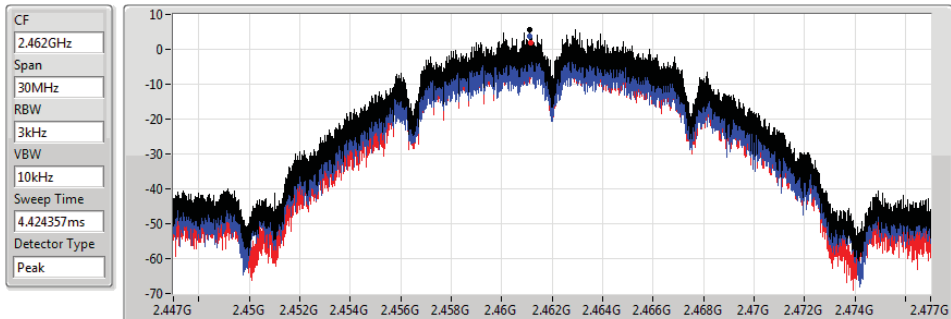
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.53     | 4.53     | 1.69     | 2.20     |

### 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

PSD

11/03/2020



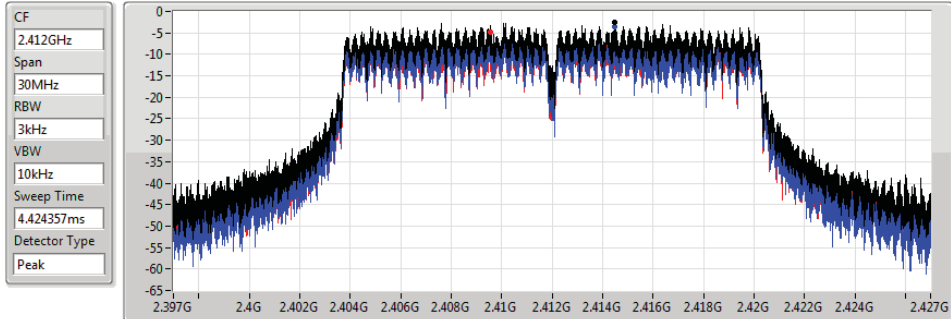
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 5.73     | 5.73     | 3.64     | 1.74     |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

11/03/2020



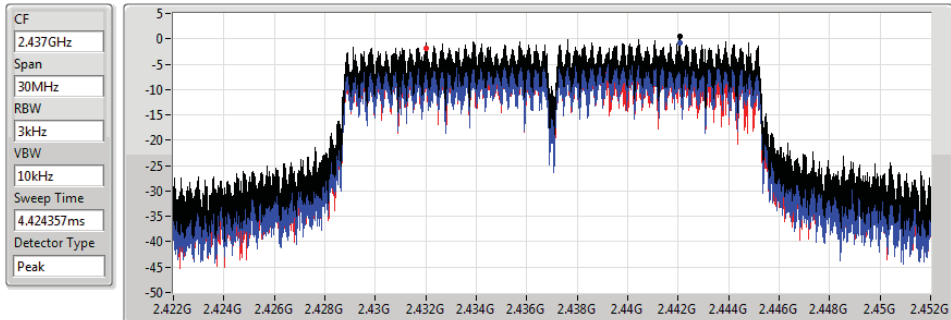
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -2.66    | -2.66    | -3.59    | -4.70    |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

11/03/2020



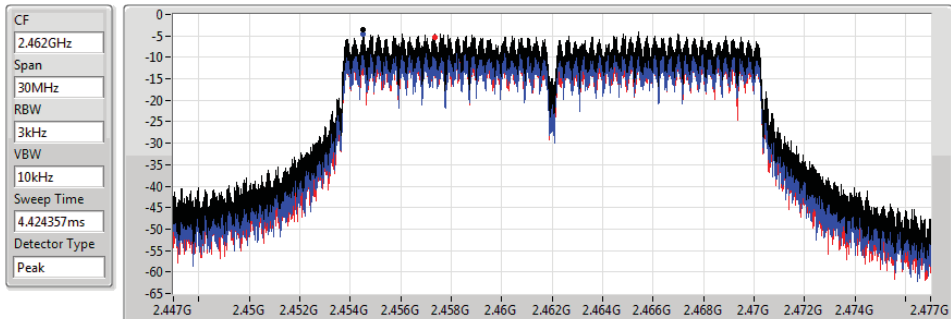
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 0.44     | 0.44     | -0.84    | -1.79    |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

11/03/2020



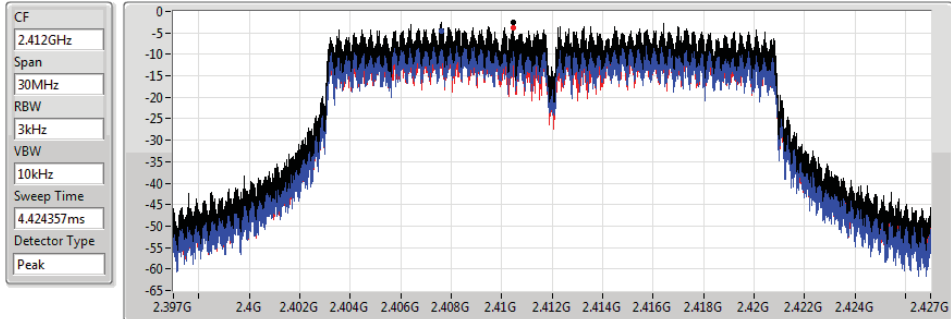
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -3.68    | -3.68    | -4.65    | -5.26    |

### VHT20\_Nss1,(MCS0)\_2TX

2412MHz

PSD

13/03/2020



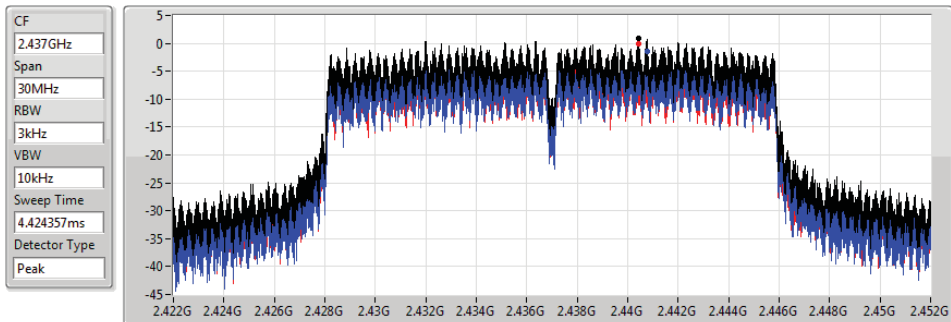
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -2.55    | -2.55    | -4.63    | -3.74    |

### VHT20\_Nss1,(MCS0)\_2TX

2437MHz

PSD

13/03/2020



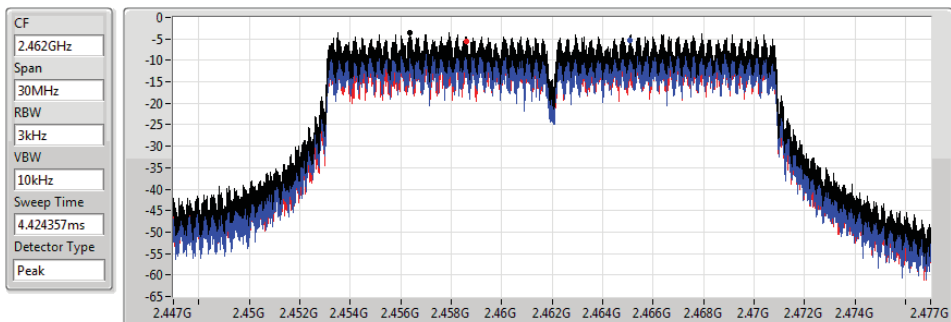
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 0.88     | 0.88     | -1.41    | -0.06    |

### VHT20\_Nss1,(MCS0)\_2TX

2462MHz

PSD

13/03/2020



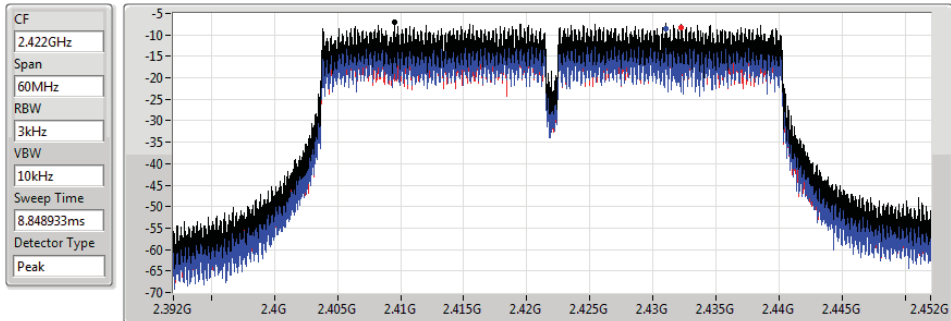
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -3.47    | -3.47    | -5.35    | -5.53    |

### VHT40\_Nss1,(MCS0)\_2TX

2422MHz

PSD

13/03/2020



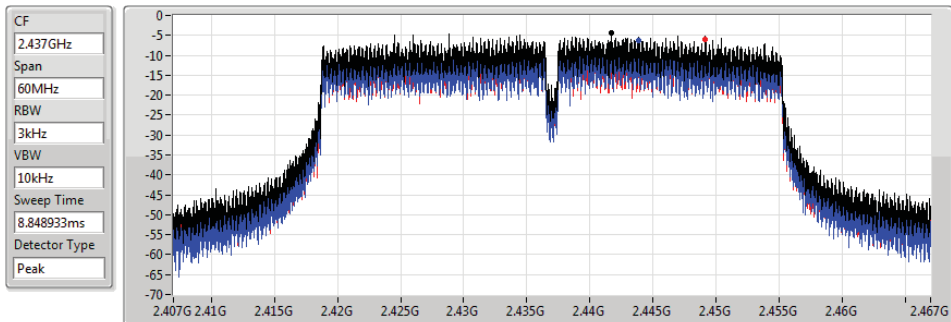
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -7.13    | -7.13    | -8.45    | -8.28    |

### VHT40\_Nss1,(MCS0)\_2TX

2437MHz

PSD

13/03/2020



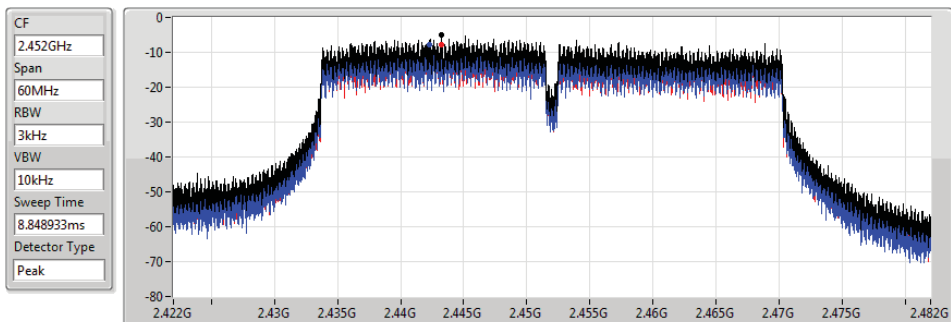
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.26    | -4.26    | -6.24    | -5.93    |

### VHT40\_Nss1,(MCS0)\_2TX

2452MHz

PSD

13/03/2020



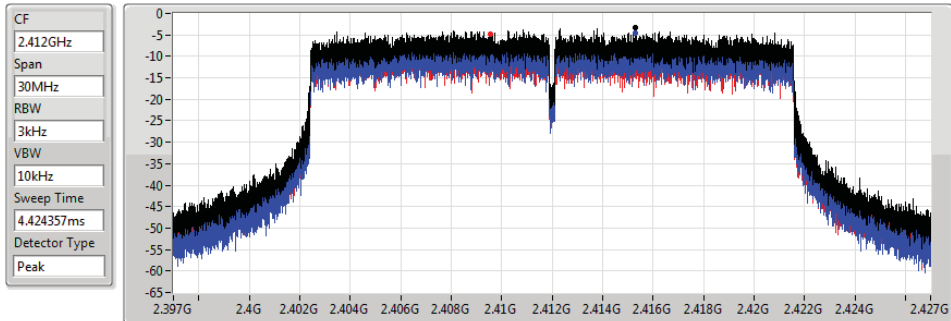
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.14    | -5.14    | -7.75    | -7.76    |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

### PSD

2412MHz

11/03/2020



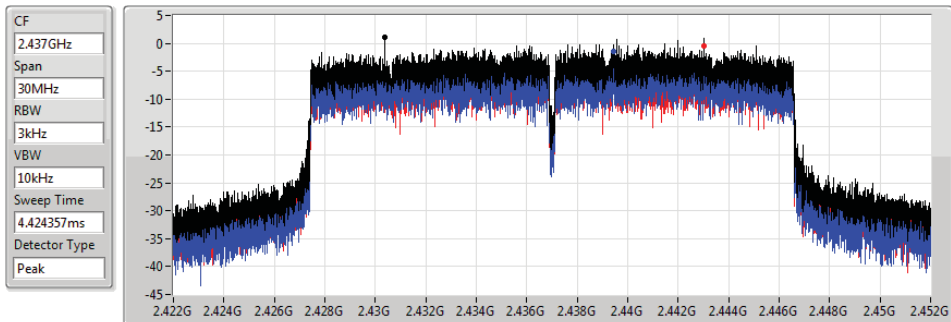
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.42     | -3.42     | -4.64     | -4.93     |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

11/03/2020



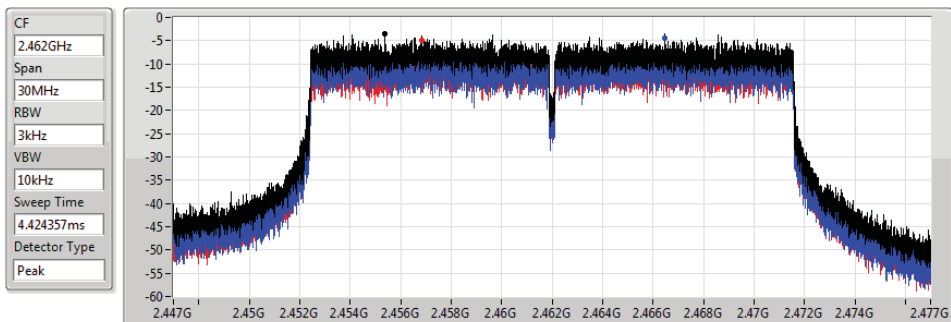
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.00      | 1.00      | -1.50     | -0.53     |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

### PSD

2462MHz

11/03/2020



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.57     | -3.57     | -4.51     | -4.97     |

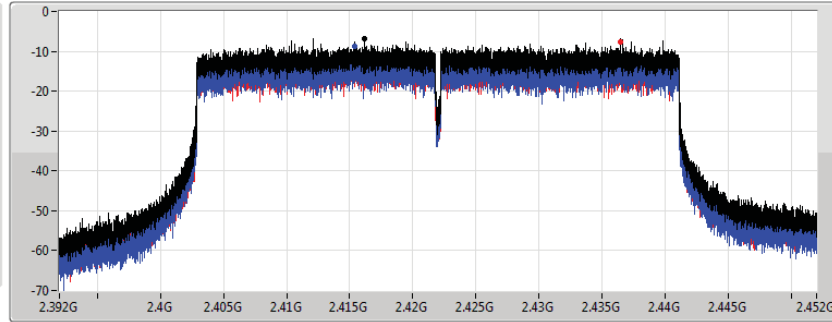
### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

11/03/2020

CF  
2.422GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
8.848933ms  
Detector Type  
Peak



Sum  
Port 1  
Port 2

| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -6.79       | -6.79       | -8.65       | -7.70       |

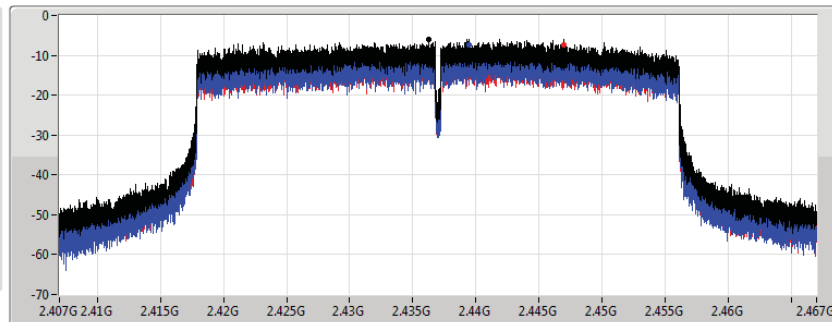
### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

11/03/2020

CF  
2.437GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
8.848933ms  
Detector Type  
Peak



Sum  
Port 1  
Port 2

| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -5.89       | -5.89       | -7.26       | -7.46       |

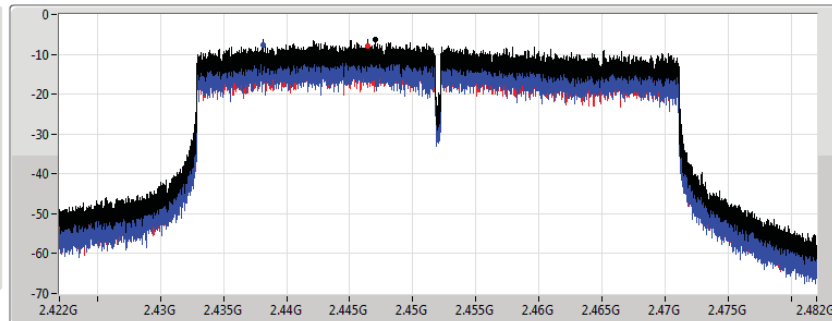
### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

11/03/2020

CF  
2.452GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
8.848933ms  
Detector Type  
Peak



Sum  
Port 1  
Port 2

| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -6.16       | -6.16       | -7.55       | -7.97       |



Summary

| Mode                     | PD<br>(dBm/RBW) |
|--------------------------|-----------------|
| 2.4-2.4835GHz            | -               |
| 802.11b_Nss1,(1Mbps)_2TX | -11.68          |
| 802.11g_Nss1,(6Mbps)_2TX | -5.59           |
| VHT20_Nss1,(MCS0)_2TX    | -6.03           |
| VHT40_Nss1,(MCS0)_2TX    | -11.83          |

RBW=3 kHz

**Result**

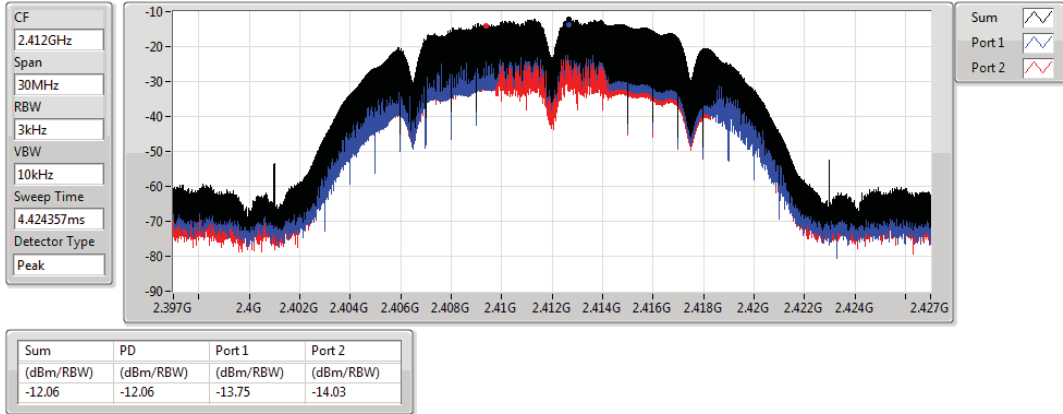
| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom         | Pass   | 5.26        | -13.75              | -14.03              | -12.06          | 8.00                  |
| 2437MHz_TnomVnom         | Pass   | 5.26        | -13.00              | -14.37              | -11.68          | 8.00                  |
| 2462MHz_TnomVnom         | Pass   | 5.26        | -12.18              | -15.53              | -12.15          | 8.00                  |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom         | Pass   | 5.26        | -11.35              | -13.64              | -10.41          | 8.00                  |
| 2437MHz_TnomVnom         | Pass   | 5.26        | -6.85               | -8.41               | -5.59           | 8.00                  |
| 2462MHz_TnomVnom         | Pass   | 5.26        | -10.27              | -11.86              | -8.91           | 8.00                  |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom         | Pass   | 5.26        | -11.20              | -14.60              | -10.34          | 8.00                  |
| 2437MHz_TnomVnom         | Pass   | 5.26        | -6.91               | -8.38               | -6.03           | 8.00                  |
| 2462MHz_TnomVnom         | Pass   | 5.26        | -10.91              | -11.70              | -9.13           | 8.00                  |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom         | Pass   | 5.26        | -18.25              | -18.44              | -16.15          | 8.00                  |
| 2437MHz_TnomVnom         | Pass   | 5.26        | -13.61              | -14.98              | -11.83          | 8.00                  |
| 2452MHz_TnomVnom         | Pass   | 5.26        | -17.74              | -19.02              | -15.85          | 8.00                  |

**DG** = Directional Gain; RBW=3 kHz;

**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density

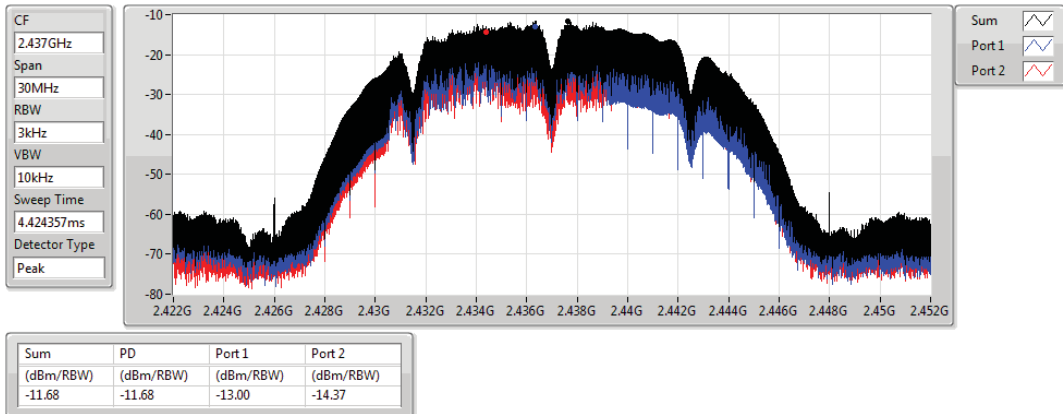
### 802.11b\_Nss1,(1Mbps)\_2TX

2412MHz



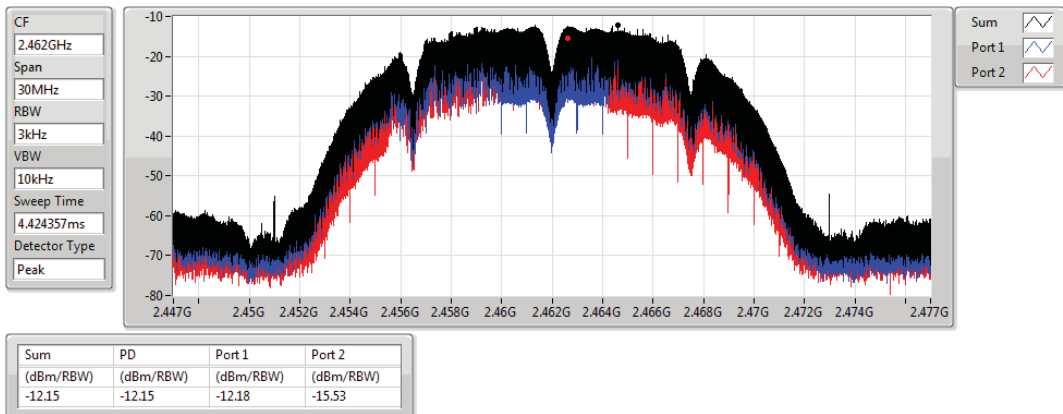
### 802.11b\_Nss1,(1Mbps)\_2TX

2437MHz



### 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

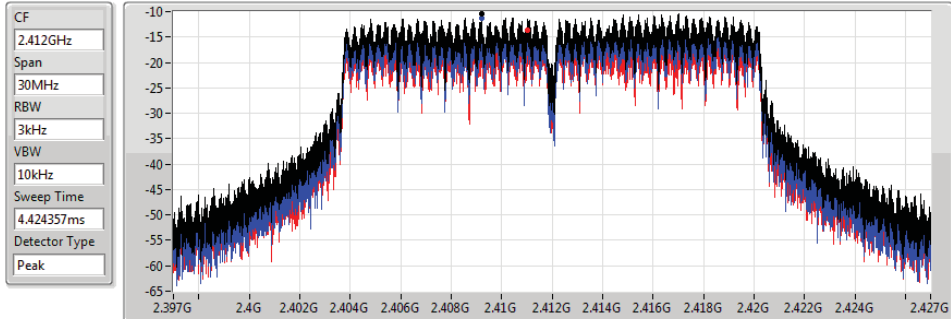


### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

14/03/2020



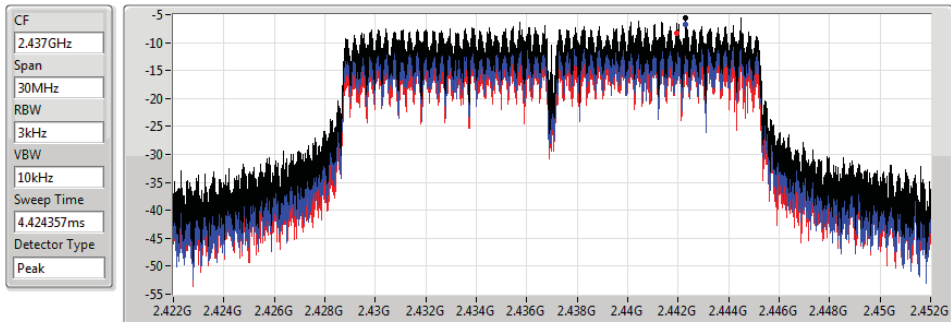
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -10.41       | -10.41       | -11.35       | -13.64       |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

14/03/2020



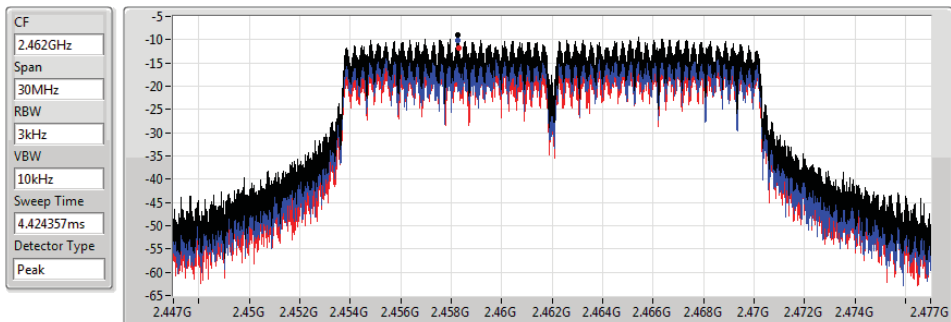
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -5.59        | -5.59        | -6.85        | -8.41        |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

14/03/2020



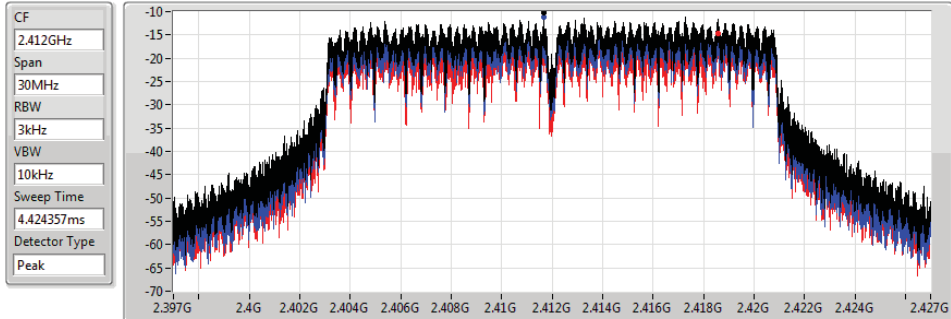
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -8.91        | -8.91        | -10.27       | -11.86       |

### VHT20\_Nss1,(MCS0)\_2TX

2412MHz

PSD

14/03/2020



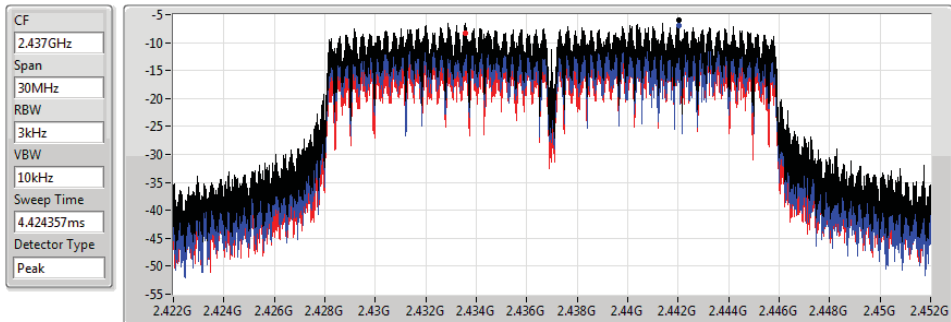
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -10.34    | -10.34    | -11.20    | -14.60    |

### VHT20\_Nss1,(MCS0)\_2TX

2437MHz

PSD

14/03/2020



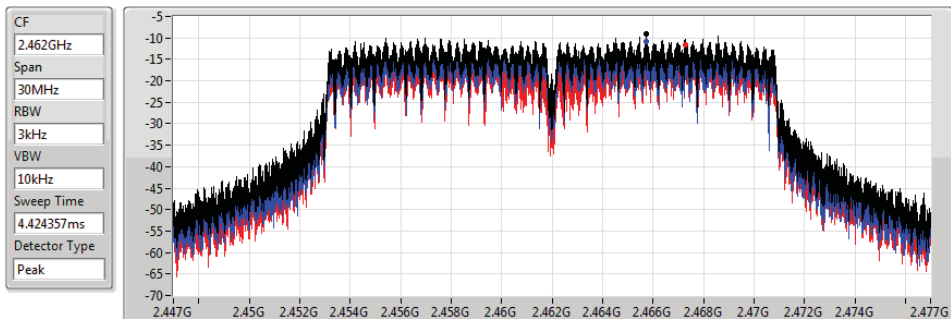
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -6.03     | -6.03     | -6.91     | -8.38     |

### VHT20\_Nss1,(MCS0)\_2TX

2462MHz

PSD

14/03/2020



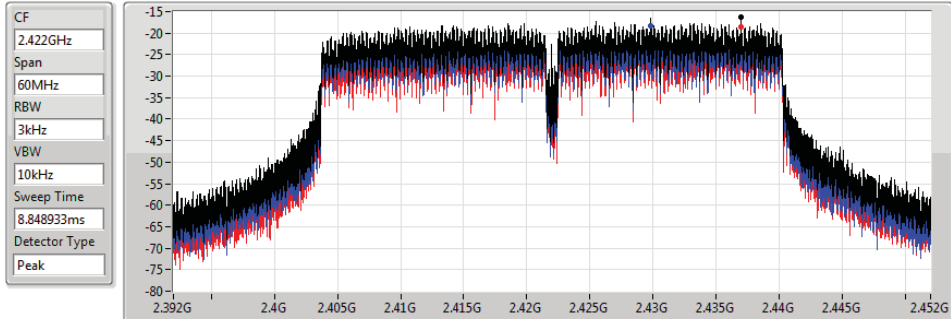
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.13     | -9.13     | -10.91    | -11.70    |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2422MHz

14/03/2020



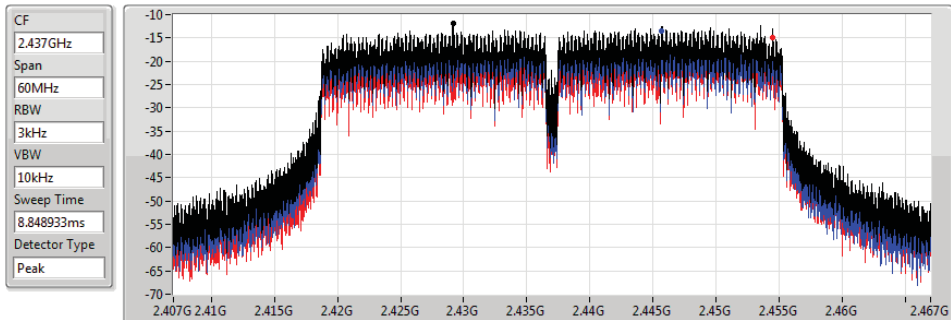
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -16.15    | -16.15    | -18.25    | -18.44    |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

14/03/2020



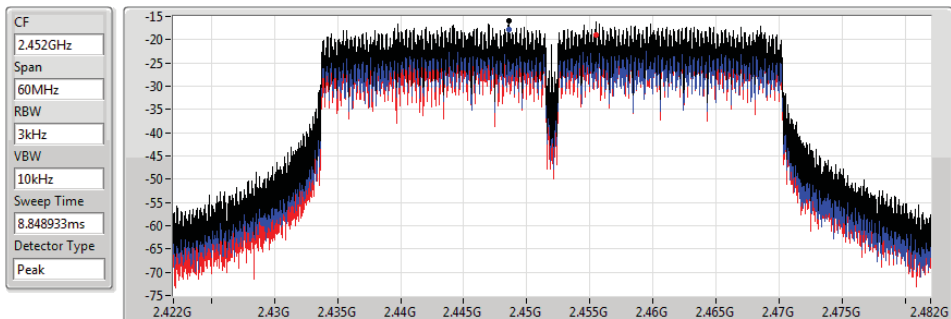
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -11.83    | -11.83    | -13.61    | -14.98    |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2452MHz

14/03/2020



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -15.85    | -15.85    | -17.74    | -19.02    |



Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | -2.99           |
| 802.11g_Nss1,(6Mbps)_2TX       | -0.65           |
| VHT20_Nss1,(MCS0)_2TX          | 0.38            |
| VHT40_Nss1,(MCS0)_2TX          | -4.98           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.57            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -5.08           |



Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -5.50               | -6.57               | -2.99           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -8.16               | -9.34               | -6.58           | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -5.86               | -7.63               | -5.34           | 6.45                  |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -5.46               | -4.30               | -2.69           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -2.33               | -2.03               | -0.65           | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -5.92               | -5.45               | -4.09           | 6.45                  |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -4.59               | -3.89               | -2.67           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -1.45               | -1.43               | 0.38            | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -7.03               | -6.65               | -4.90           | 6.45                  |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz                        | Pass   | 7.55        | -8.34               | -8.55               | -6.05           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -6.44               | -6.74               | -5.25           | 6.45                  |
| 2452MHz                        | Pass   | 7.55        | -7.66               | -6.90               | -4.98           | 6.45                  |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                        | Pass   | 7.55        | -4.83               | -5.31               | -3.41           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -2.10               | -0.39               | 0.57            | 6.45                  |
| 2462MHz                        | Pass   | 7.55        | -5.80               | -5.86               | -4.61           | 6.45                  |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz                        | Pass   | 7.55        | -8.93               | -8.69               | -7.05           | 6.45                  |
| 2437MHz                        | Pass   | 7.55        | -7.17               | -6.86               | -5.08           | 6.45                  |
| 2452MHz                        | Pass   | 7.55        | -8.21               | -8.27               | -6.22           | 6.45                  |

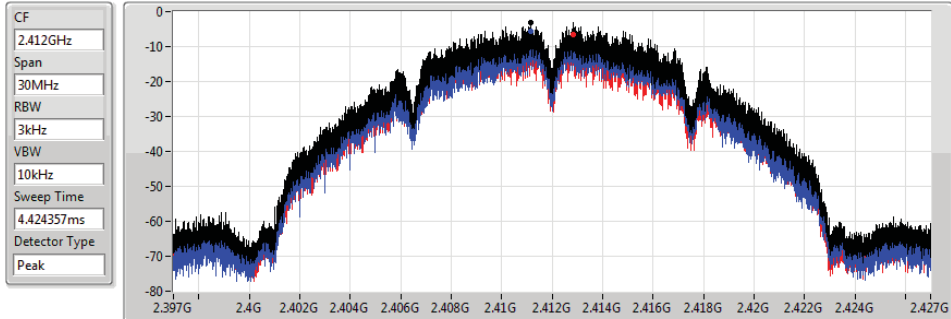
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2412MHz

03/04/2020



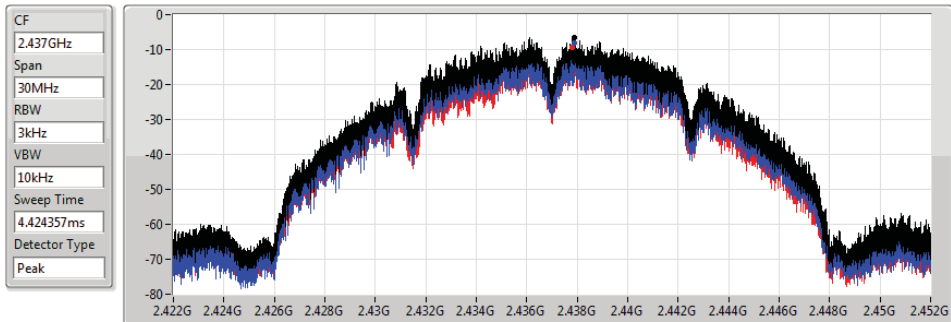
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -2.99       | -2.99       | -5.50       | -6.57       |

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2437MHz

03/04/2020



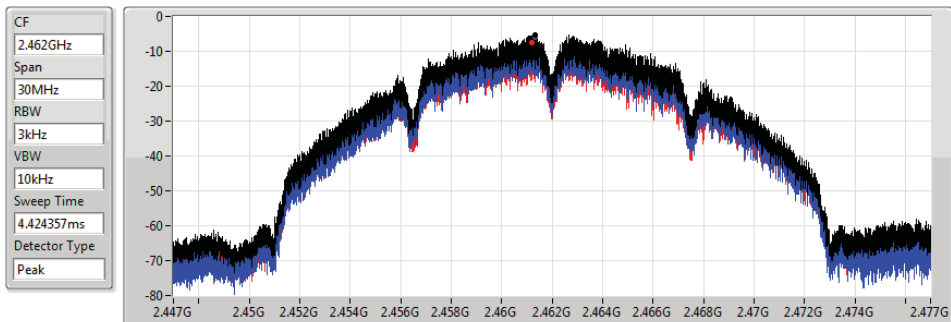
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -6.58       | -6.58       | -8.16       | -9.34       |

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2462MHz

03/04/2020



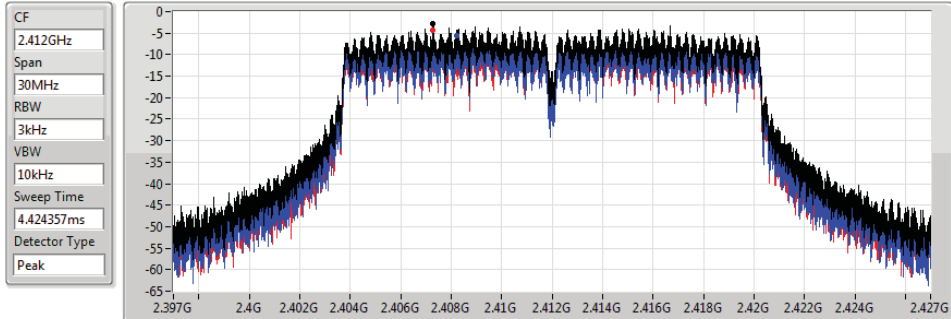
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -5.34       | -5.34       | -5.86       | -7.63       |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

03/04/2020



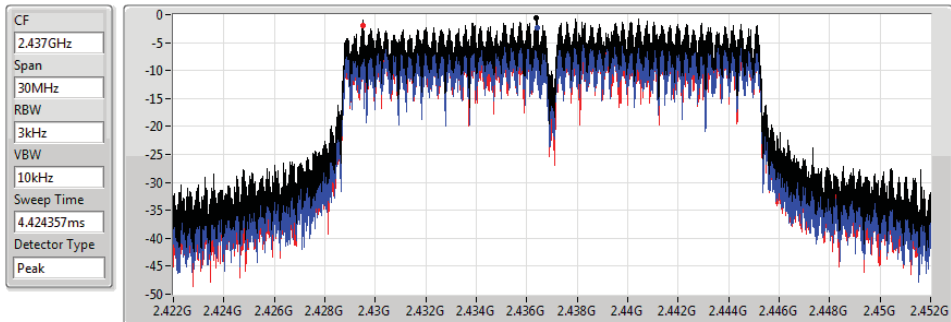
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -2.69     | -2.69     | -5.46     | -4.30     |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

03/04/2020



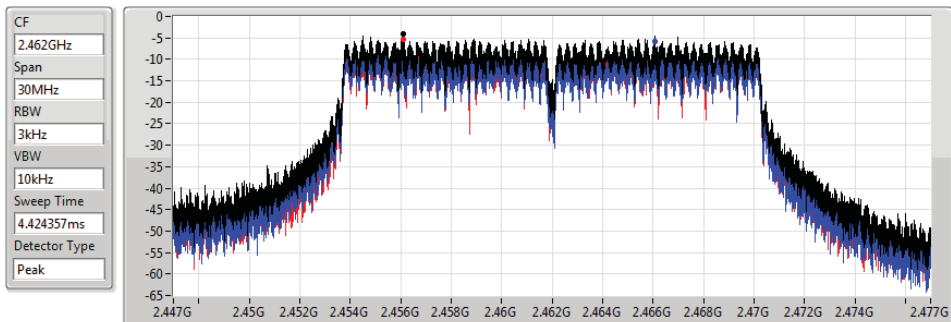
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.65     | -0.65     | -2.33     | -2.03     |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

03/04/2020



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.09     | -4.09     | -5.92     | -5.45     |

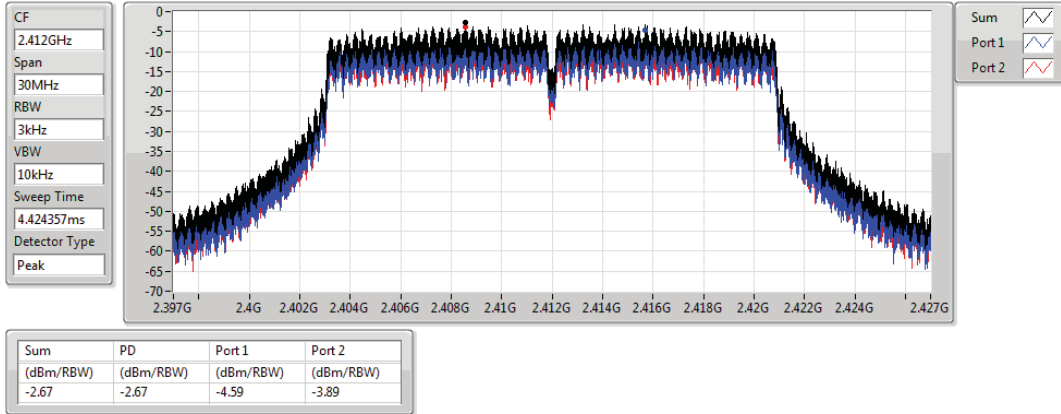


## VHT20\_Nss1,(MCS0)\_2TX

## PSD

2412MHz

03/04/2020

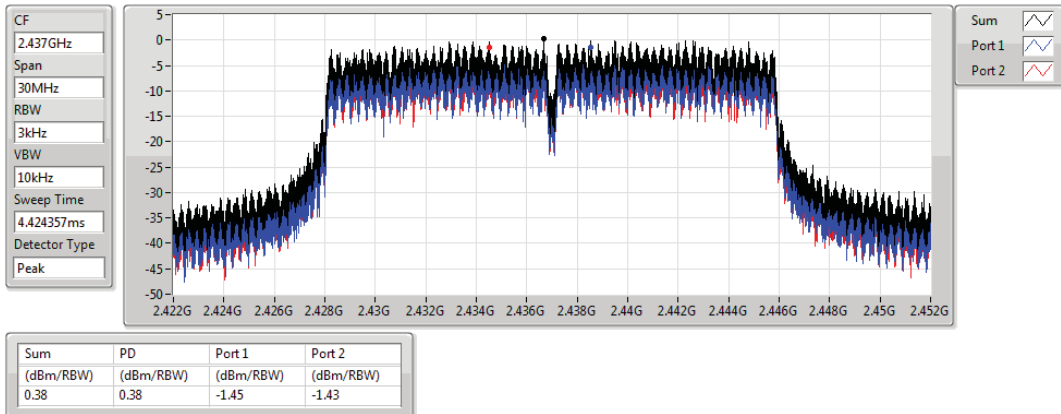


## VHT20\_Nss1,(MCS0)\_2TX

## PSD

2437MHz

03/04/2020

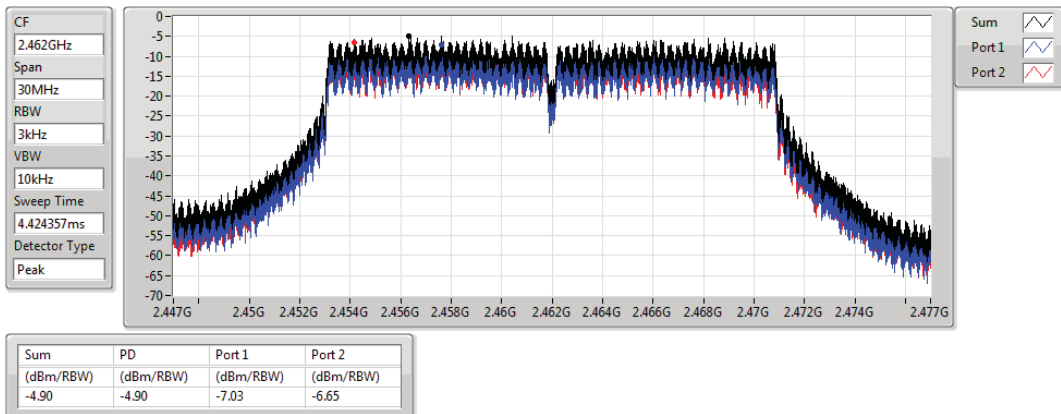


## VHT20\_Nss1,(MCS0)\_2TX

## PSD

2462MHz

03/04/2020

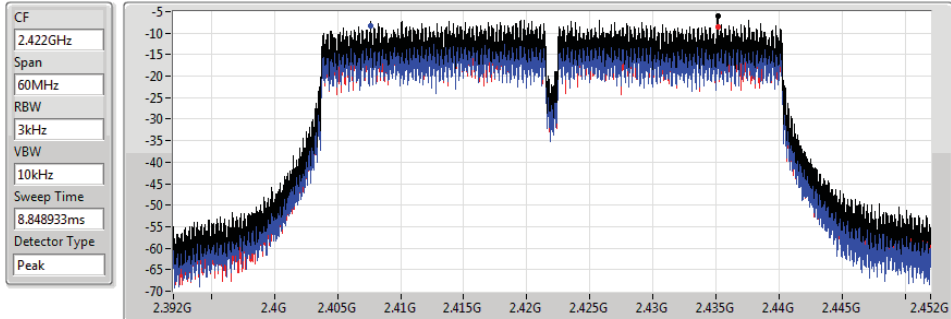


### VHT40\_Nss1,(MCS0)\_2TX

2422MHz

PSD

03/04/2020



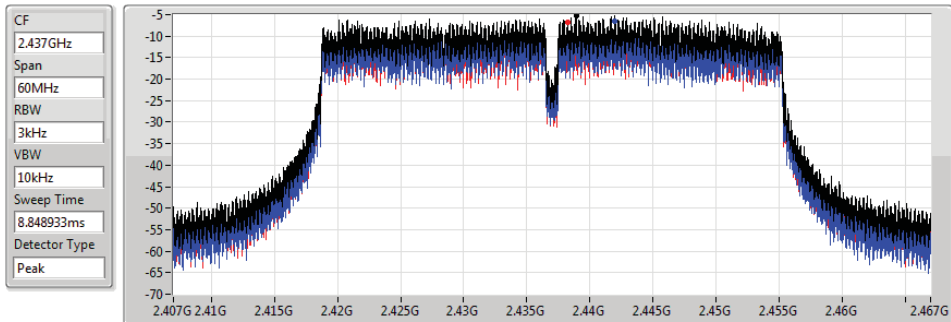
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.05    | -6.05    | -8.34    | -8.55    |

### VHT40\_Nss1,(MCS0)\_2TX

2437MHz

PSD

03/04/2020



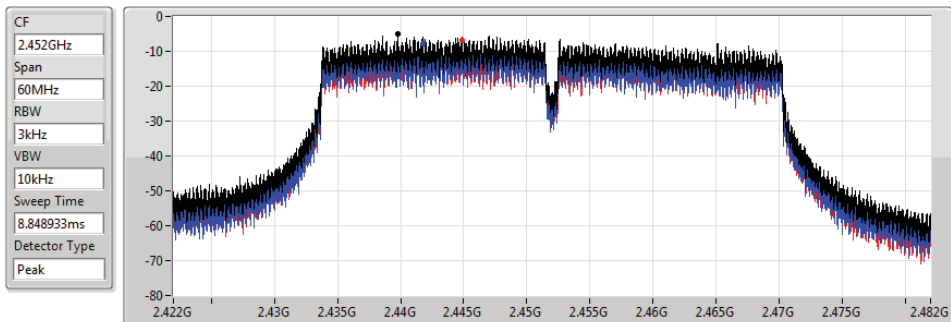
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.25    | -5.25    | -6.44    | -6.74    |

### VHT40\_Nss1,(MCS0)\_2TX

2452MHz

PSD

03/04/2020



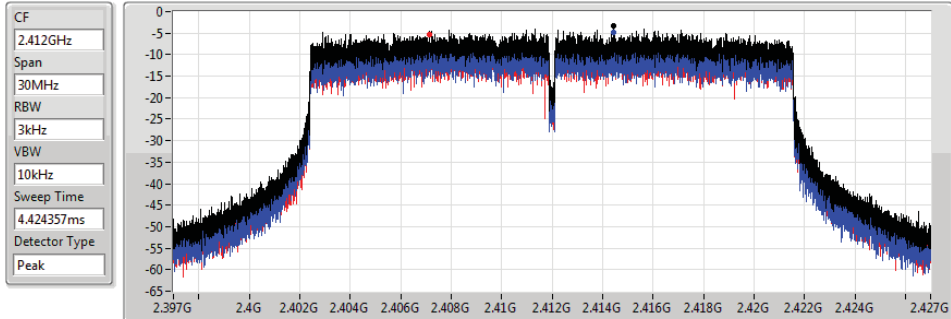
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.98    | -4.98    | -7.66    | -6.90    |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

03/04/2020



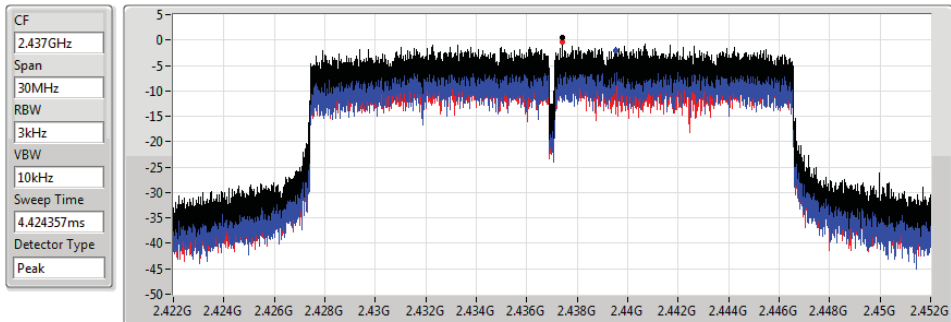
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.41     | -3.41     | -4.83     | -5.31     |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

03/04/2020



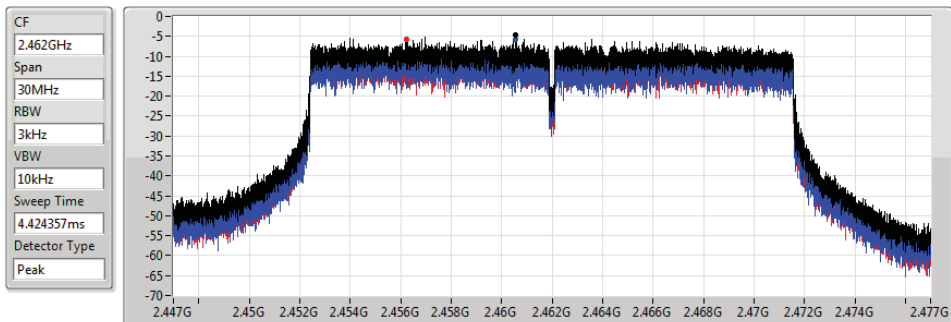
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.57      | 0.57      | -2.10     | -0.39     |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2462MHz

03/04/2020



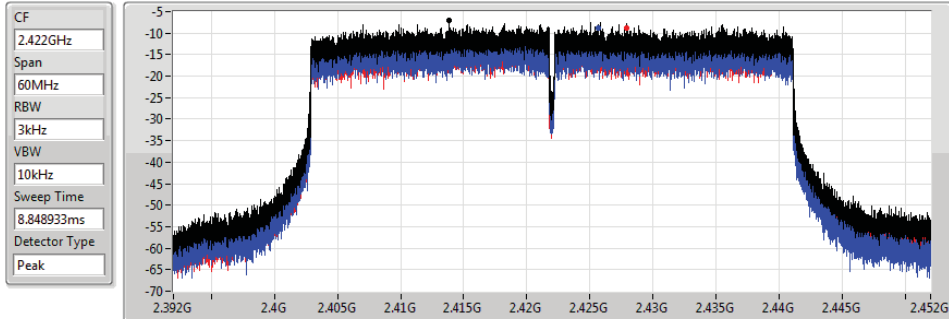
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.61     | -4.61     | -5.80     | -5.86     |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

03/04/2020



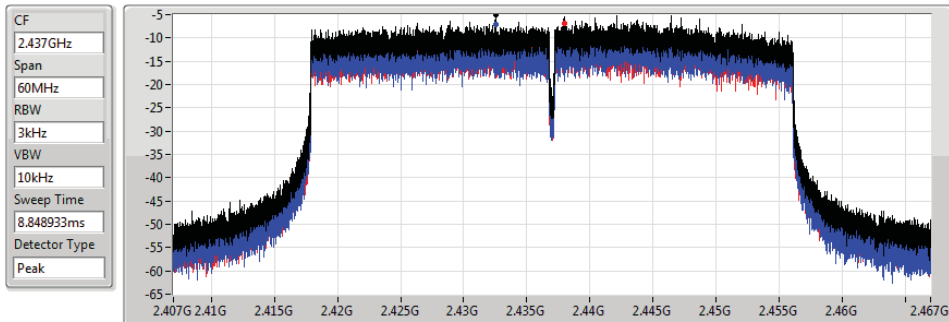
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -7.05    | -7.05    | -8.93    | -8.69    |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

03/04/2020



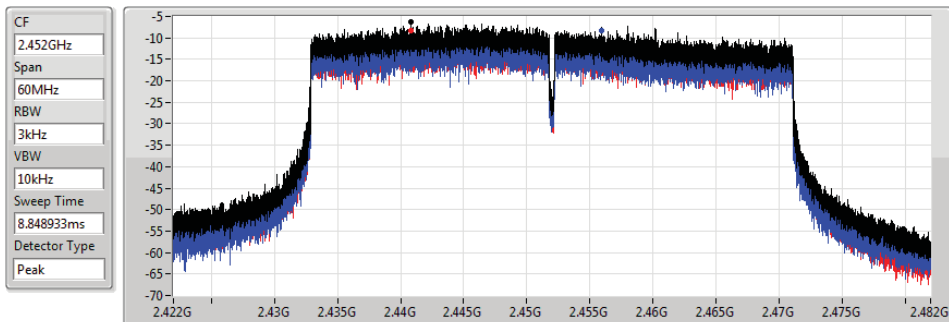
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.08    | -5.08    | -7.17    | -6.86    |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

03/04/2020



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.22    | -6.22    | -8.21    | -8.27    |



Summary

| Mode                     | PD<br>(dBm/RBW) |
|--------------------------|-----------------|
| 2.4-2.4835GHz            | -               |
| 802.11b_Nss1,(1Mbps)_2TX | -6.71           |
| 802.11g_Nss1,(6Mbps)_2TX | -4.85           |
| VHT20_Nss1,(MCS0)_2TX    | -5.18           |
| VHT40_Nss1,(MCS0)_2TX    | -8.99           |



Result

| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                  | Pass   | 7.44        | -10.01              | -8.76               | -6.71           | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -10.24              | -10.15              | -7.18           | 6.56                  |
| 2462MHz                  | Pass   | 7.44        | -11.58              | -9.39               | -8.53           | 6.56                  |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                  | Pass   | 7.44        | -10.46              | -10.57              | -8.44           | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -6.79               | -5.64               | -4.85           | 6.56                  |
| 2462MHz                  | Pass   | 7.44        | -10.52              | -9.63               | -7.35           | 6.56                  |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                  | Pass   | 7.44        | -11.10              | -10.70              | -8.07           | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -6.13               | -7.47               | -5.18           | 6.56                  |
| 2462MHz                  | Pass   | 7.44        | -10.48              | -11.17              | -9.11           | 6.56                  |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz                  | Pass   | 7.44        | -15.50              | -15.32              | -13.36          | 6.56                  |
| 2437MHz                  | Pass   | 7.44        | -11.07              | -11.99              | -8.99           | 6.56                  |
| 2452MHz                  | Pass   | 7.44        | -16.94              | -16.12              | -13.59          | 6.56                  |

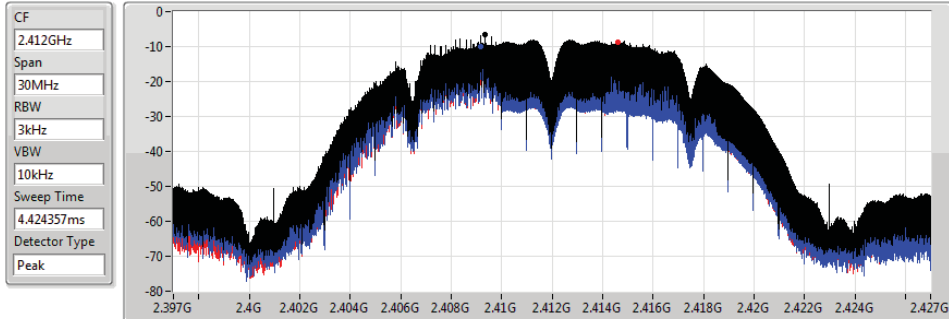
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

### 802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

PSD

02/04/2020



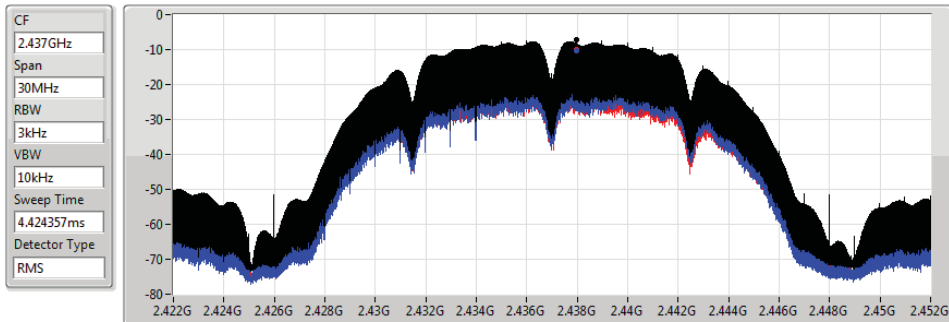
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -6.71     | -6.71     | -10.01    | -8.76     |

### 802.11b\_Nss1,(1Mbps)\_2TX

2437MHz

PSD

02/04/2020



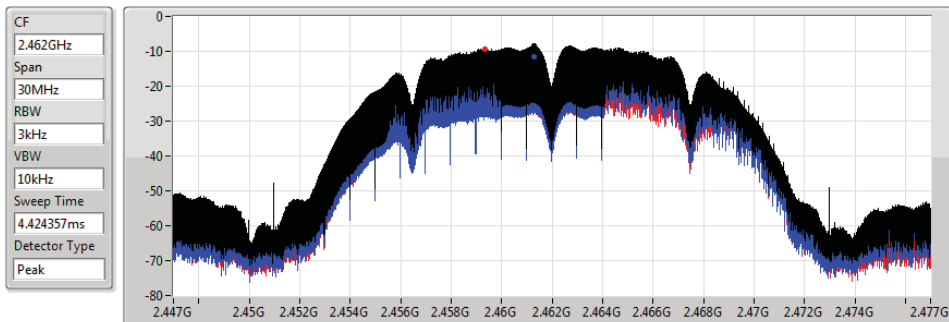
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -7.18     | -7.18     | -10.24    | -10.15    |

### 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

PSD

02/04/2020



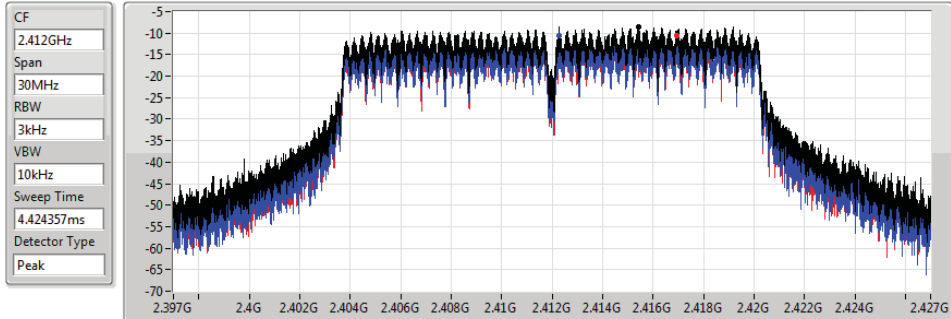
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.53     | -8.53     | -11.58    | -9.39     |

### 802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

PSD

02/04/2020



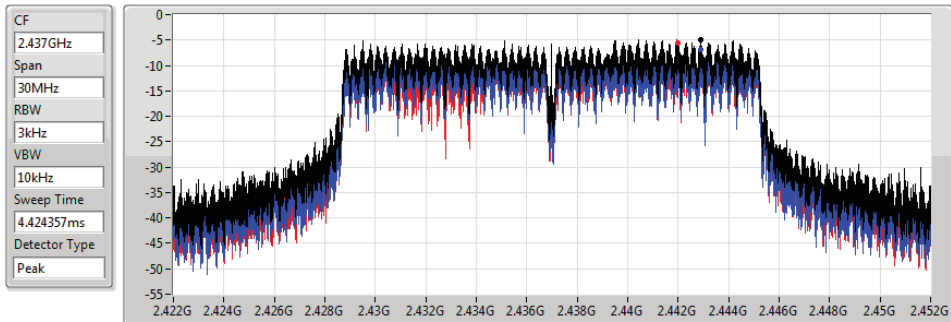
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -8.44    | -8.44    | -10.46   | -10.57   |

### 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

PSD

02/04/2020



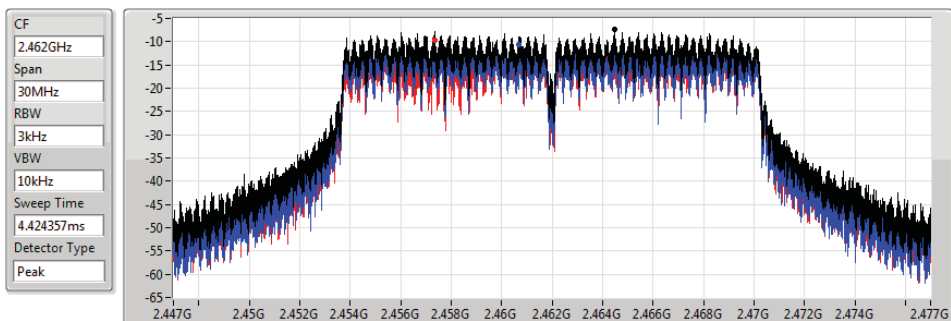
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.85    | -4.85    | -6.79    | -5.64    |

### 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

PSD

02/04/2020



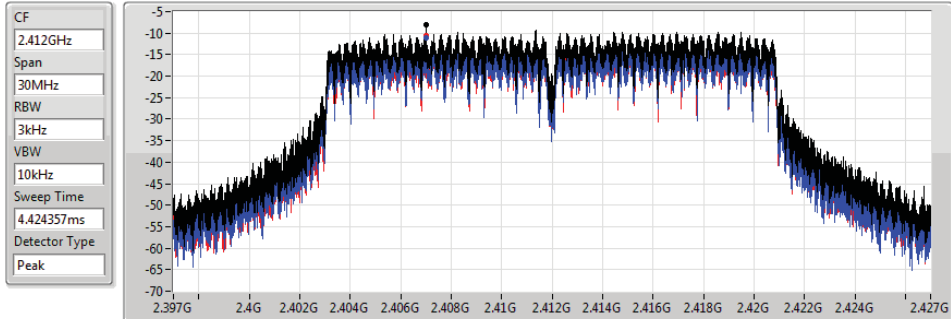
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -7.35    | -7.35    | -10.52   | -9.63    |

### VHT20\_Nss1,(MCS0)\_2TX

### PSD

2412MHz

02/04/2020



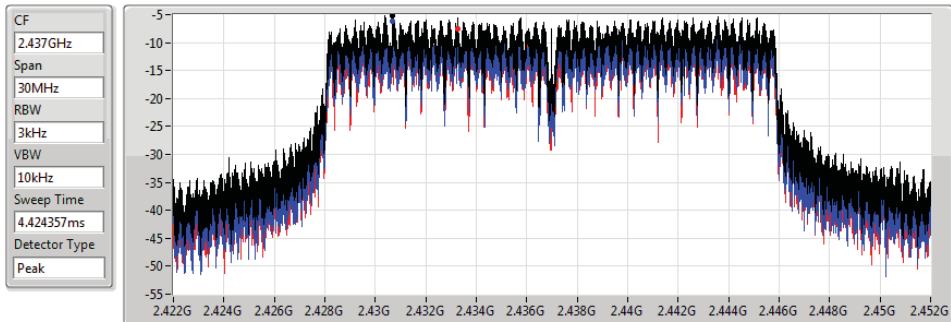
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.07     | -8.07     | -11.10    | -10.70    |

### VHT20\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

02/04/2020



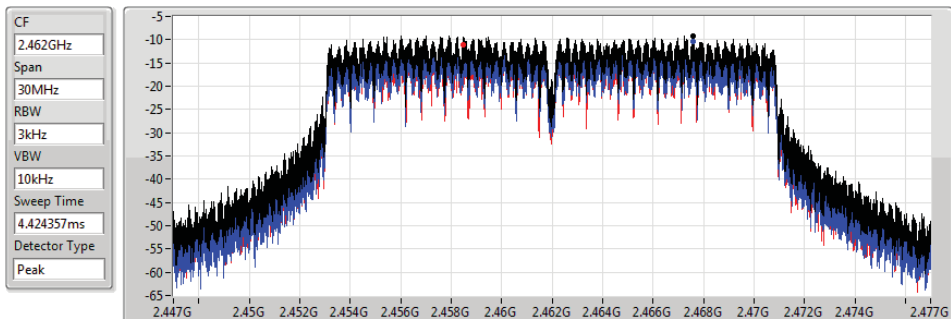
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.18     | -5.18     | -6.13     | -7.47     |

### VHT20\_Nss1,(MCS0)\_2TX

### PSD

2462MHz

02/04/2020



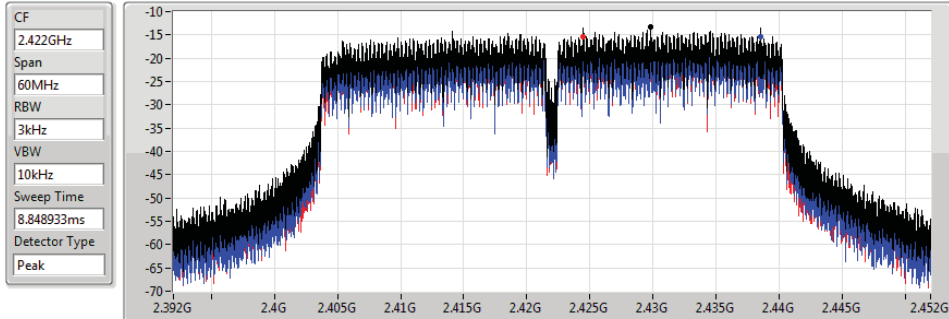
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.11     | -9.11     | -10.48    | -11.17    |

### VHT40\_Nss1,(MCS0)\_2TX

2422MHz

PSD

02/04/2020



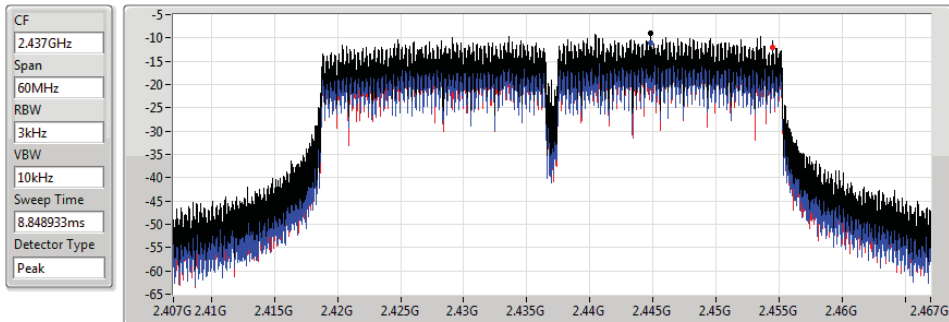
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -13.36   | -13.36   | -15.50   | -15.32   |

### VHT40\_Nss1,(MCS0)\_2TX

2437MHz

PSD

02/04/2020



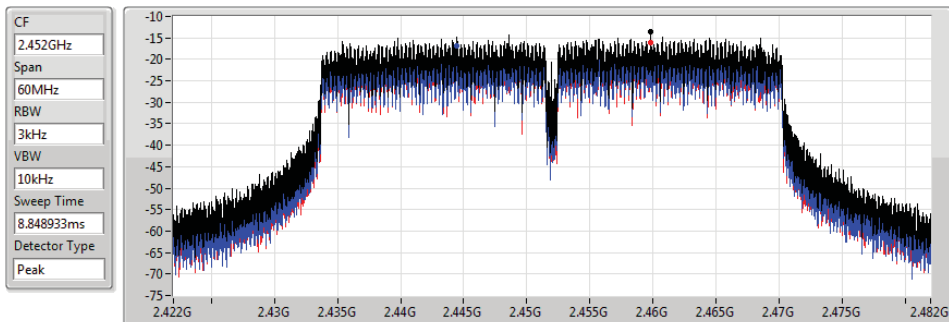
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -8.99    | -8.99    | -11.07   | -11.99   |

### VHT40\_Nss1,(MCS0)\_2TX

2452MHz

PSD

02/04/2020



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -13.59   | -13.59   | -16.94   | -16.12   |



Summary

| Mode                           | PD<br>(dBm/RBW) |
|--------------------------------|-----------------|
| 2.4-2.4835GHz                  | -               |
| 802.11b_Nss1,(1Mbps)_2TX       | 0.71            |
| 802.11g_Nss1,(6Mbps)_2TX       | 0.60            |
| VHT20_Nss1,(MCS0)_2TX          | 0.68            |
| VHT40_Nss1,(MCS0)_2TX          | -3.74           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.56            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -4.86           |

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 7.96        | -2.19               | -0.98               | 0.71            | 6.04                  |
| 2437MHz_TnomVnom               | Pass   | 7.96        | -2.16               | -3.11               | 0.16            | 6.04                  |
| 2462MHz_TnomVnom               | Pass   | 7.96        | -1.18               | -2.97               | -0.40           | 6.04                  |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 7.96        | -4.37               | -2.37               | -1.54           | 6.04                  |
| 2437MHz_TnomVnom               | Pass   | 7.96        | -2.64               | -1.32               | 0.60            | 6.04                  |
| 2462MHz_TnomVnom               | Pass   | 7.96        | -6.68               | -6.69               | -5.11           | 6.04                  |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 7.96        | -2.87               | -2.62               | -0.58           | 6.04                  |
| 2437MHz_TnomVnom               | Pass   | 7.96        | 0.01                | -1.38               | 0.68            | 6.04                  |
| 2462MHz_TnomVnom               | Pass   | 7.96        | -8.52               | -8.68               | -7.15           | 6.04                  |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom               | Pass   | 7.96        | -8.48               | -7.87               | -6.34           | 6.04                  |
| 2437MHz_TnomVnom               | Pass   | 7.96        | -5.56               | -4.55               | -3.74           | 6.04                  |
| 2452MHz_TnomVnom               | Pass   | 7.96        | -8.75               | -9.34               | -7.76           | 6.04                  |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom               | Pass   | 7.96        | -2.66               | -3.90               | -1.48           | 6.04                  |
| 2437MHz_TnomVnom               | Pass   | 7.96        | 0.01                | -1.48               | 0.56            | 6.04                  |
| 2462MHz_TnomVnom               | Pass   | 7.96        | -8.58               | -9.47               | -7.76           | 6.04                  |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom               | Pass   | 7.96        | -8.06               | -7.48               | -6.93           | 6.04                  |
| 2437MHz_TnomVnom               | Pass   | 7.96        | -6.94               | -6.89               | -4.86           | 6.04                  |
| 2452MHz_TnomVnom               | Pass   | 7.96        | -8.59               | -10.31              | -7.49           | 6.04                  |

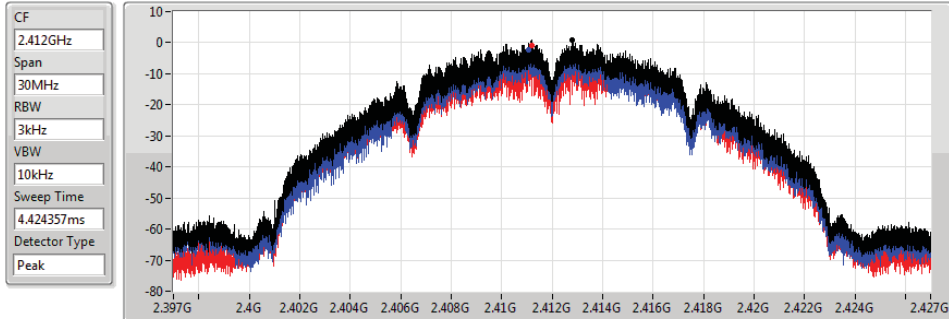
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2412MHz

02/04/2020



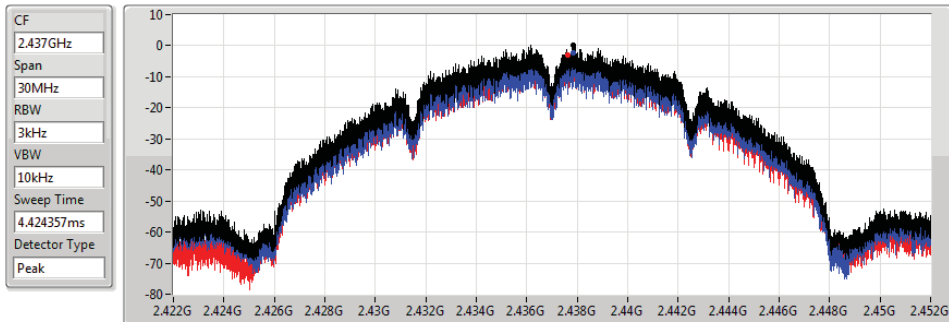
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 0.71         | 0.71         | -2.19        | -0.98        |

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2437MHz

02/04/2020



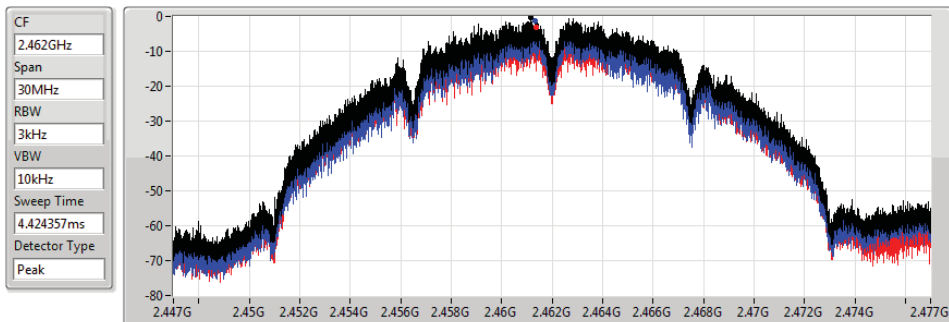
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 0.16         | 0.16         | -2.16        | -3.11        |

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2462MHz

02/04/2020



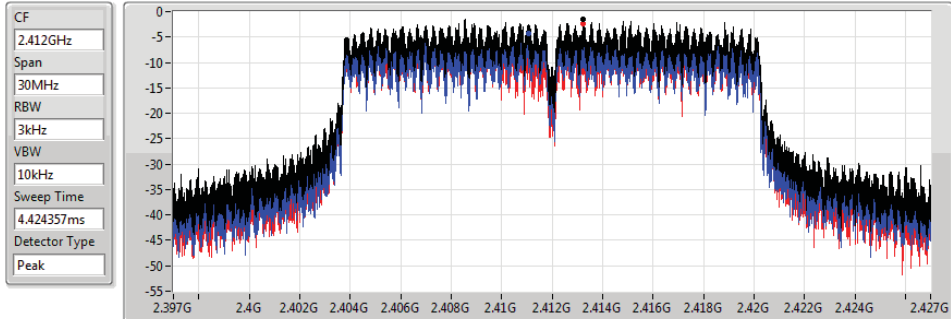
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -0.40        | -0.40        | -1.18        | -2.97        |

### 802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

PSD

02/04/2020



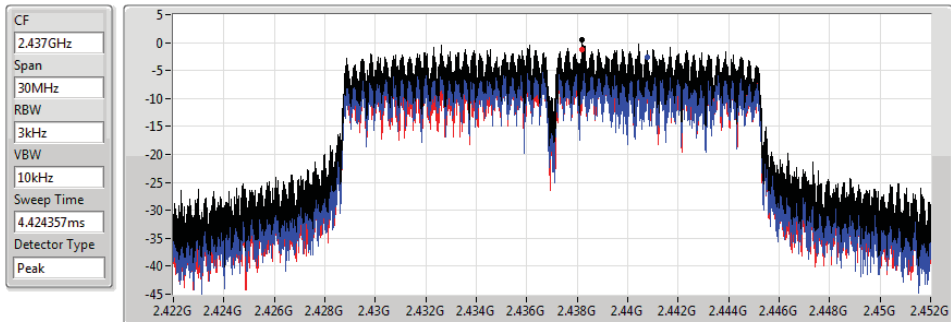
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -1.54    | -1.54    | -4.37    | -2.37    |

### 802.11g\_Nss1,(6Mbps)\_2TX

2437MHz

PSD

02/04/2020



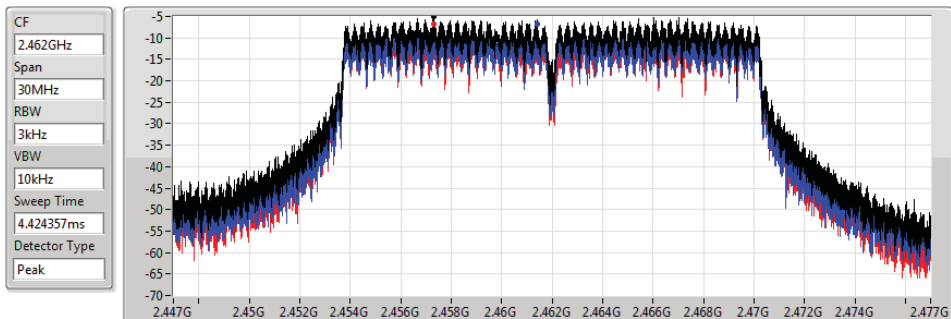
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 0.60     | 0.60     | -2.64    | -1.32    |

### 802.11g\_Nss1,(6Mbps)\_2TX

2462MHz

PSD

02/04/2020



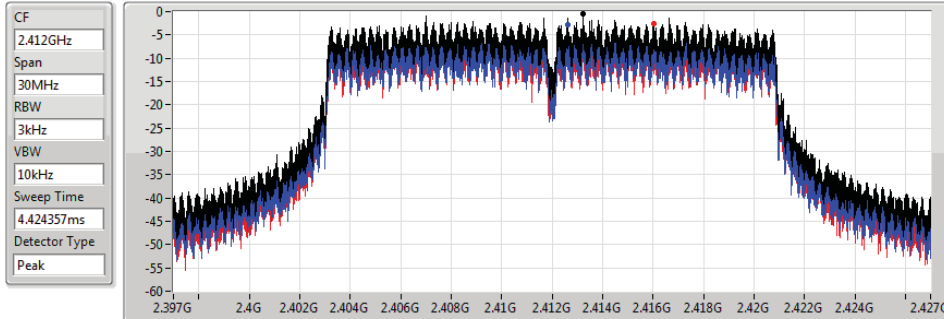
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.11    | -5.11    | -6.68    | -6.69    |

### VHT20\_Nss1,(MCS0)\_2TX

2412MHz

PSD

02/04/2020



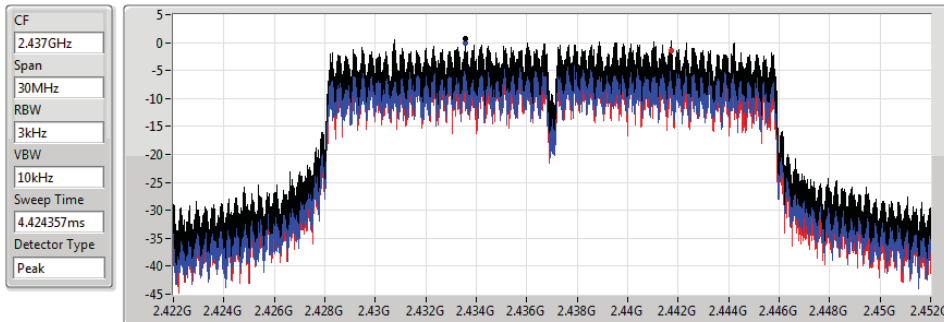
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -0.58       | -0.58       | -2.87       | -2.62       |

### VHT20\_Nss1,(MCS0)\_2TX

2437MHz

PSD

02/04/2020



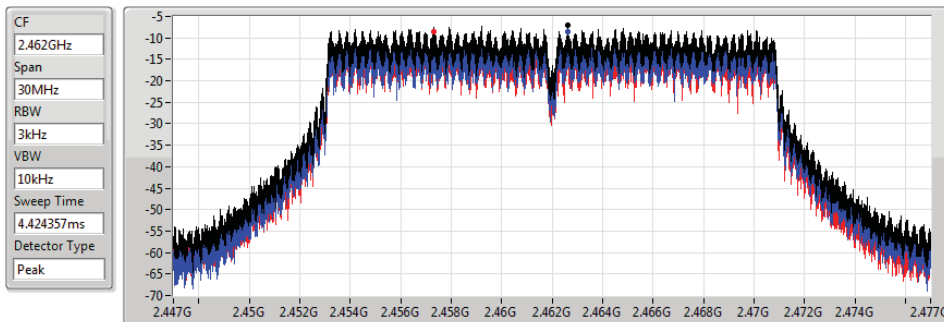
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| 0.68        | 0.68        | 0.01        | -1.38       |

### VHT20\_Nss1,(MCS0)\_2TX

2462MHz

PSD

02/04/2020



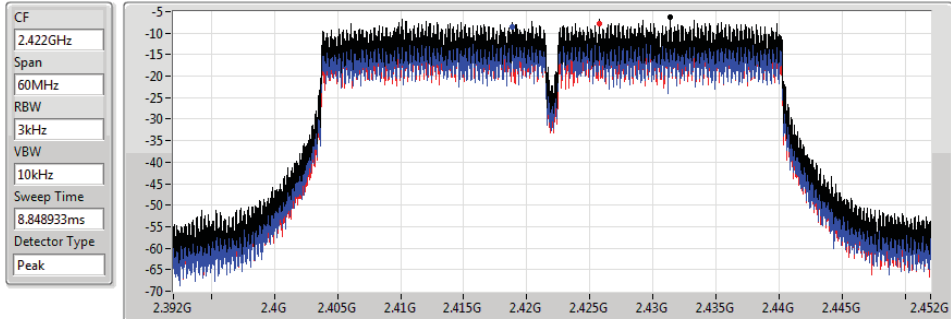
| Sum         | PD          | Port 1      | Port 2      |
|-------------|-------------|-------------|-------------|
| (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) | (dBm/100Hz) |
| -7.15       | -7.15       | -8.52       | -8.68       |

### VHT40\_Nss1,(MCS0)\_2TX

2422MHz

PSD

02/04/2020



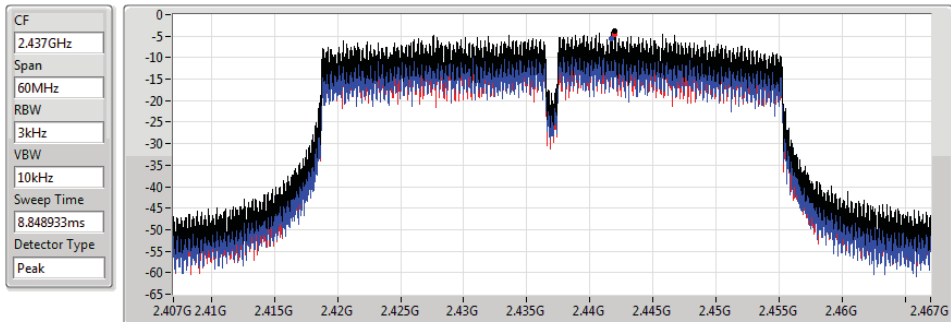
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.34    | -6.34    | -8.48    | -7.87    |

### VHT40\_Nss1,(MCS0)\_2TX

2437MHz

PSD

02/04/2020



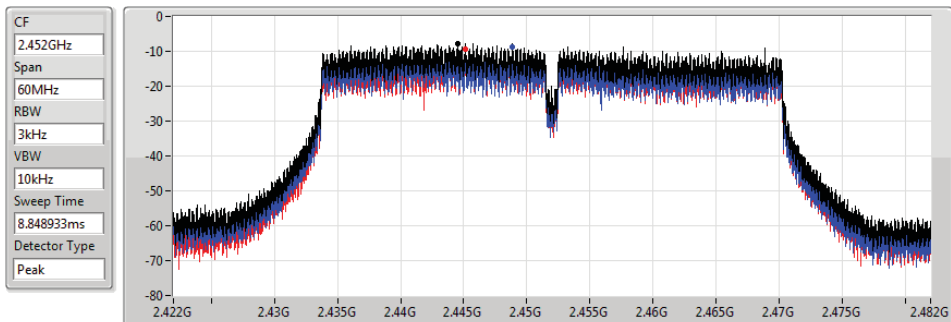
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -3.74    | -3.74    | -5.56    | -4.55    |

### VHT40\_Nss1,(MCS0)\_2TX

2452MHz

PSD

02/04/2020



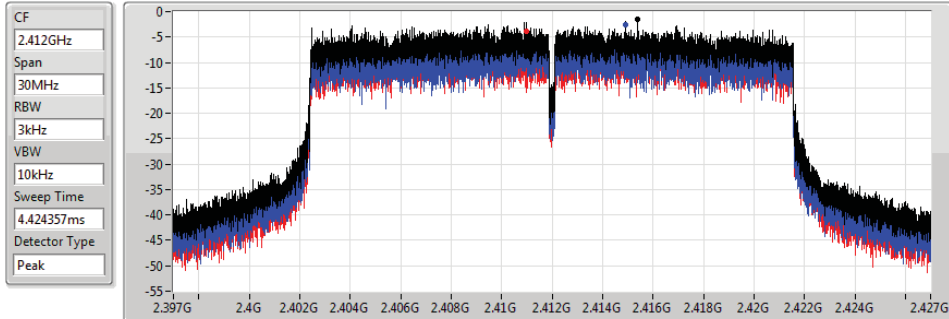
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -7.76    | -7.76    | -8.75    | -9.34    |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

02/04/2020



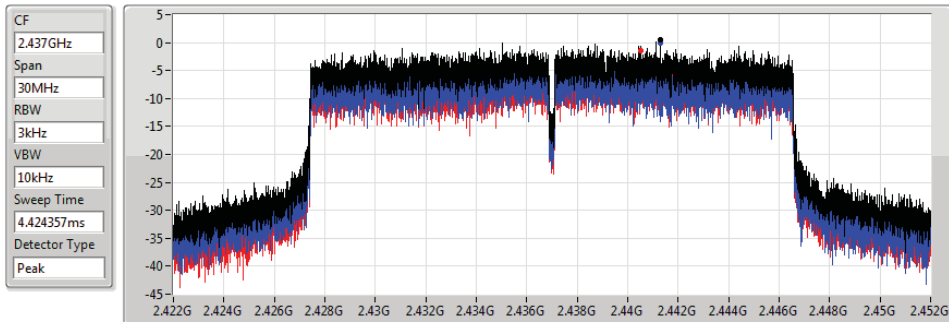
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -1.48    | -1.48    | -2.66    | -3.90    |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

02/04/2020



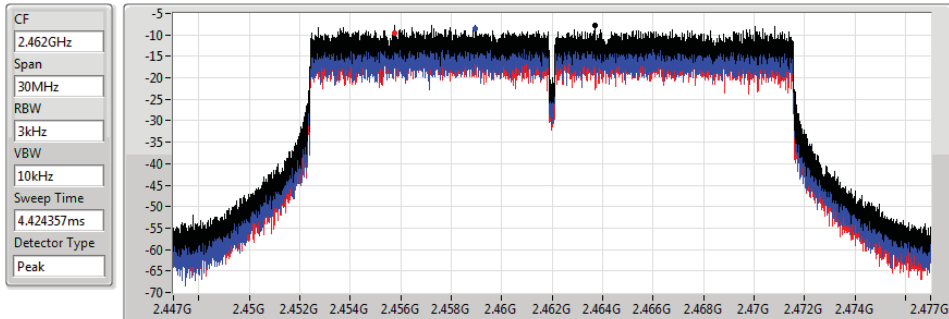
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 0.56     | 0.56     | 0.01     | -1.48    |

### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2462MHz

02/04/2020



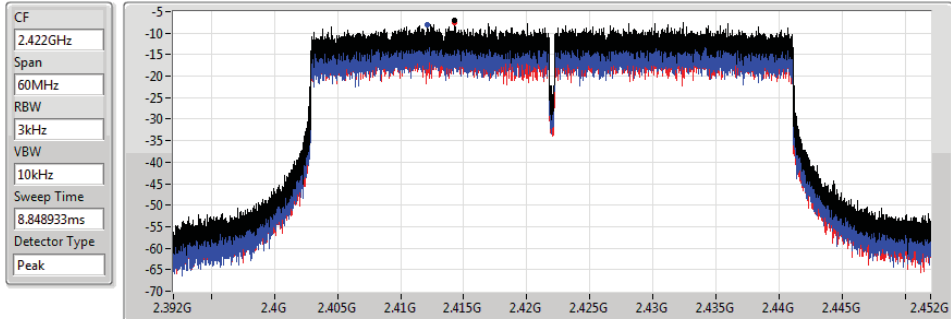
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -7.76    | -7.76    | -8.58    | -9.47    |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

02/04/2020



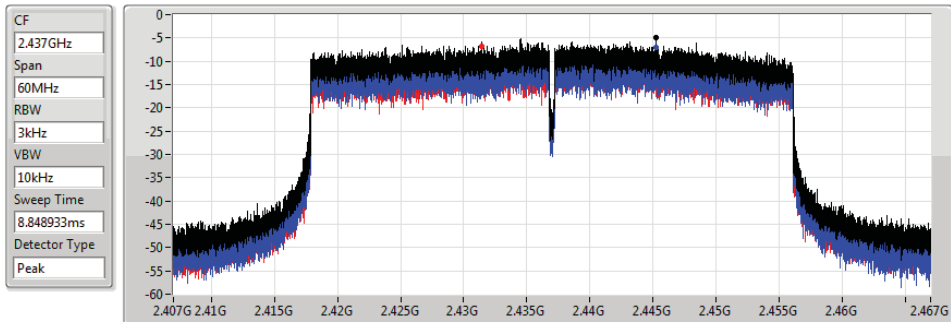
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.93    | -6.93    | -8.06    | -7.48    |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

02/04/2020



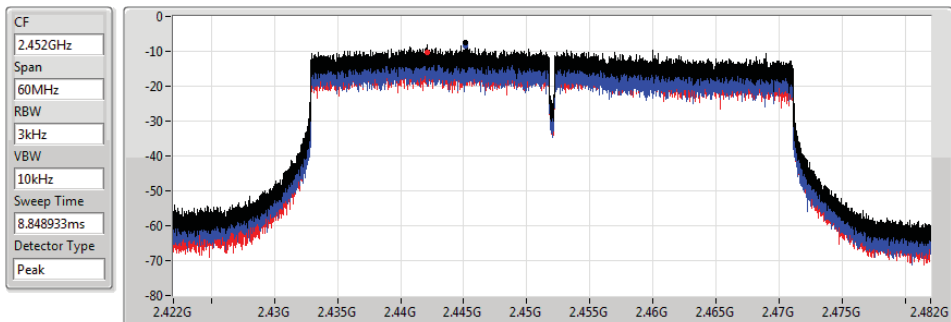
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.86    | -4.86    | -6.94    | -6.89    |

### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

02/04/2020



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -7.49    | -7.49    | -8.59    | -10.31   |



Summary

| Mode                     | PD<br>(dBm/RBW) |
|--------------------------|-----------------|
| 2.4-2.4835GHz            | -               |
| 802.11b_Nss1,(1Mbps)_2TX | -3.83           |
| 802.11g_Nss1,(6Mbps)_2TX | -4.97           |
| VHT20_Nss1,(MCS0)_2TX    | -4.18           |
| VHT40_Nss1,(MCS0)_2TX    | -10.24          |

**Result**

| Mode                     | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|--------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom         | Pass   | 7.87        | -9.10               | -7.57               | -5.46           | 6.13                  |
| 2437MHz_TnomVnom         | Pass   | 7.87        | -4.43               | -5.26               | -3.83           | 6.13                  |
| 2462MHz_TnomVnom         | Pass   | 7.87        | -10.28              | -6.91               | -6.00           | 6.13                  |
| 802.11g_Nss1,(6Mbps)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom         | Pass   | 7.87        | -10.75              | -10.55              | -8.38           | 6.13                  |
| 2437MHz_TnomVnom         | Pass   | 7.87        | -7.43               | -6.59               | -4.97           | 6.13                  |
| 2462MHz_TnomVnom         | Pass   | 7.87        | -10.32              | -10.23              | -8.49           | 6.13                  |
| VHT20_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom         | Pass   | 7.87        | -9.08               | -9.34               | -7.69           | 6.13                  |
| 2437MHz_TnomVnom         | Pass   | 7.87        | -7.24               | -5.33               | -4.18           | 6.13                  |
| 2462MHz_TnomVnom         | Pass   | 7.87        | -9.81               | -10.71              | -8.08           | 6.13                  |
| VHT40_Nss1,(MCS0)_2TX    | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom         | Pass   | 7.87        | -16.22              | -15.73              | -13.31          | 6.13                  |
| 2437MHz_TnomVnom         | Pass   | 7.87        | -12.97              | -11.67              | -10.24          | 6.13                  |
| 2452MHz_TnomVnom         | Pass   | 7.87        | -16.80              | -14.50              | -12.74          | 6.13                  |

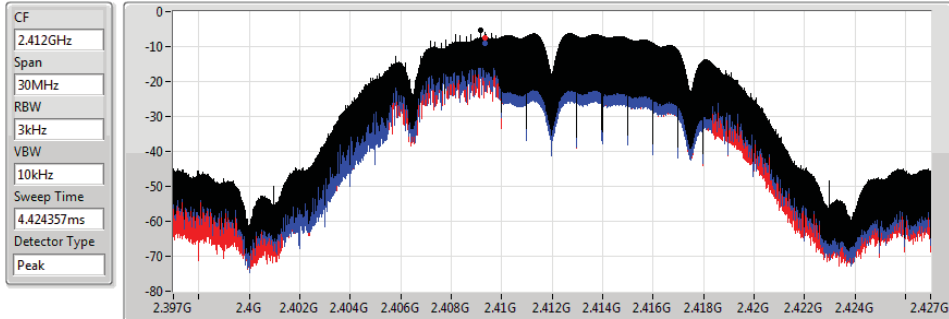
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

### 802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

PSD

02/04/2020



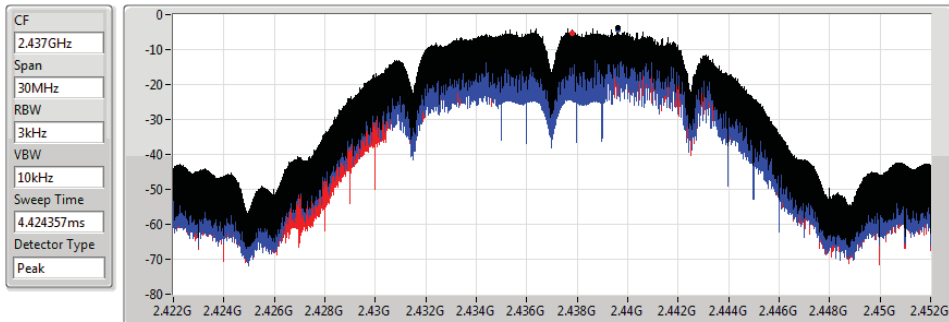
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.46    | -5.46    | -9.10    | -7.57    |

### 802.11b\_Nss1,(1Mbps)\_2TX

2437MHz

PSD

02/04/2020



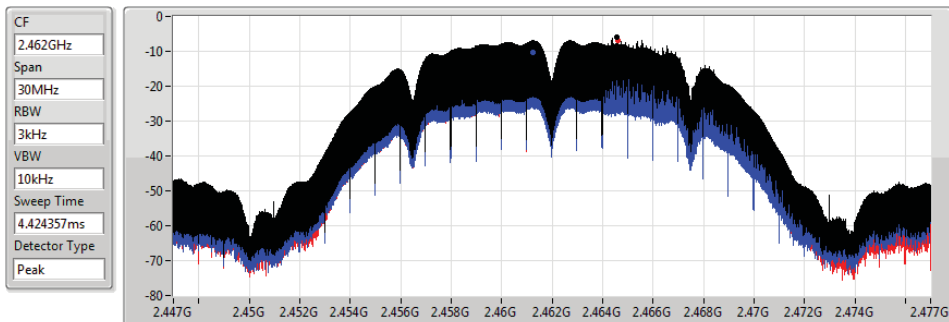
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -3.83    | -3.83    | -4.43    | -5.26    |

### 802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

PSD

02/04/2020



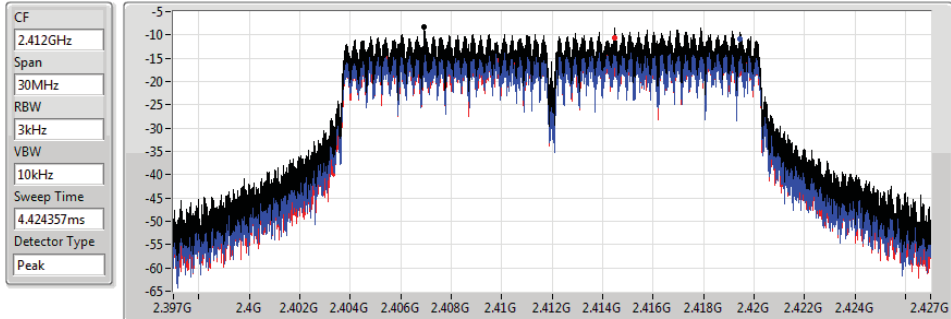
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -6.00    | -6.00    | -10.28   | -6.91    |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

02/04/2020



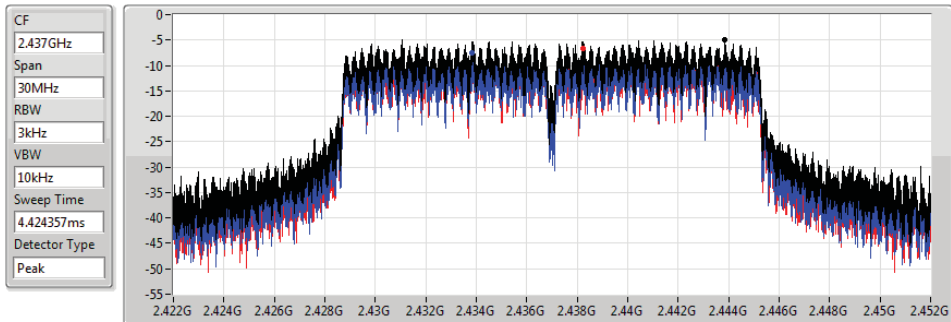
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -8.38    | -8.38    | -10.75   | -10.55   |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

02/04/2020



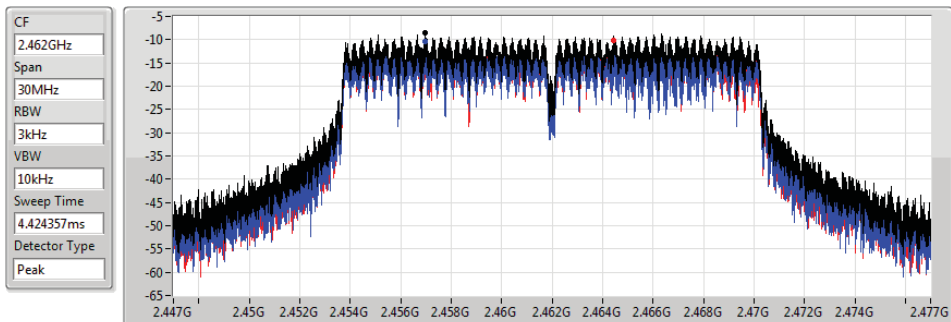
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.97    | -4.97    | -7.43    | -6.59    |

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

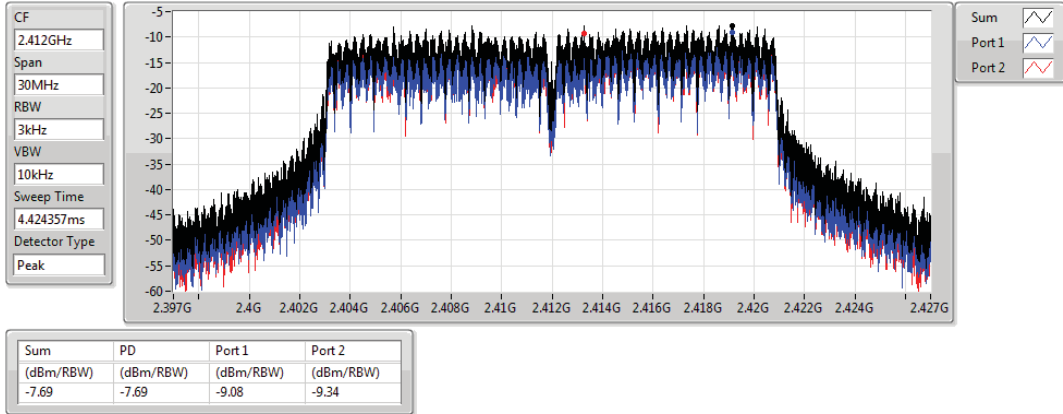
02/04/2020



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -8.49    | -8.49    | -10.32   | -10.23   |

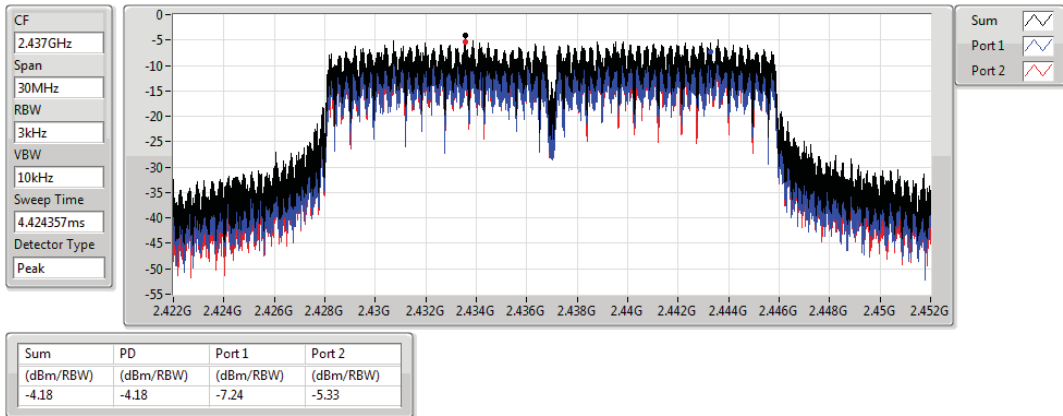
### VHT20\_Nss1,(MCS0)\_2TX

2412MHz



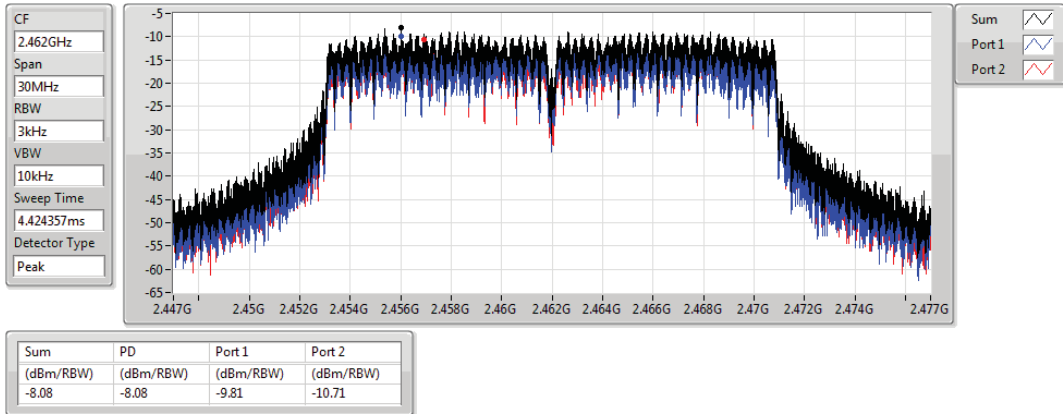
### VHT20\_Nss1,(MCS0)\_2TX

2437MHz



### VHT20\_Nss1,(MCS0)\_2TX

2462MHz

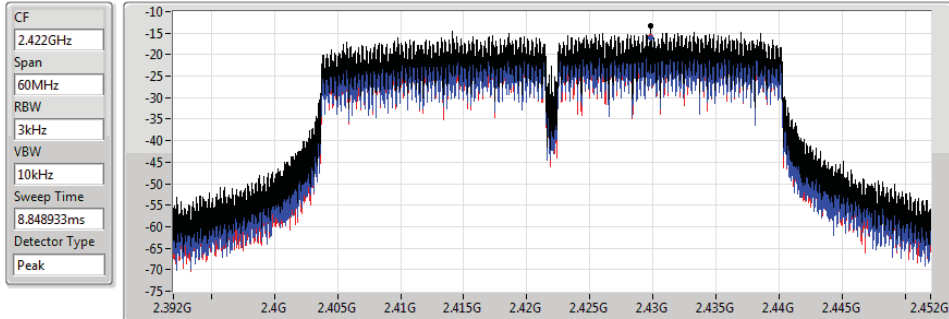


### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2422MHz

02/04/2020



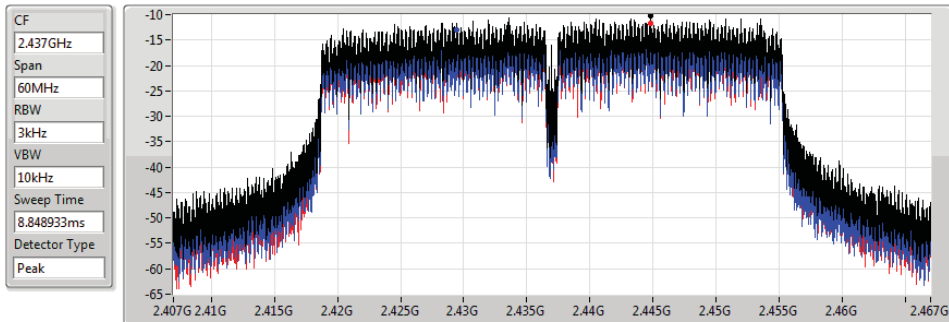
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -13.31   | -13.31   | -16.22   | -15.73   |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

02/04/2020



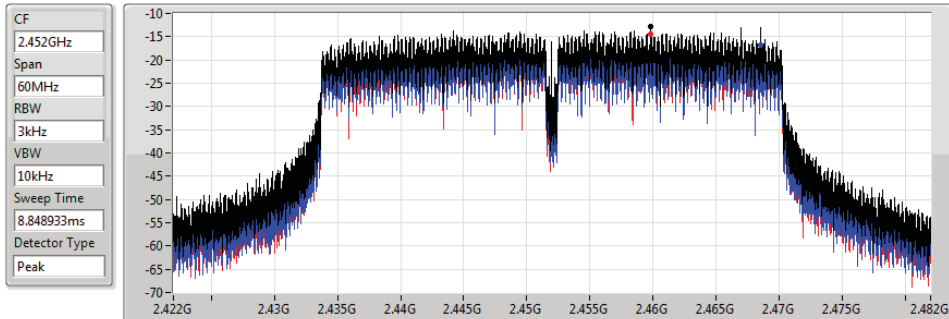
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -10.24   | -10.24   | -12.97   | -11.67   |

### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2452MHz

02/04/2020



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -12.74   | -12.74   | -16.80   | -14.50   |



**CSE(Non-restricted Band)**  
**\_Non Beamforming\_Indoor\_Sample 1\_Radio 2**

**Appendix E.1**

**Summary**

| Mode                           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|--------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 2.4-2.4835GHz                  | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 802.11b_Nss1,(1Mbps)_2TX       | Pass   | 2.41098G    | 10.16        | -19.84         | 686.48M      | -54.77         | 2.39986G     | -43.17         | 2.4G         | -43.87         | 2.49136G     | -52.71         | 14.99234G    | -41.97         | 2    |
| 802.11g_Nss1,(6Mbps)_2TX       | Pass   | 2.442G      | 13.48        | -16.52         | 2.12554G     | -54.71         | 2.39886G     | -21.23         | 2.4G         | -23.39         | 2.4891G      | -51.22         | 23.30864G    | -41.81         | 2    |
| VHT20_Nss1,(MCS0)_2TX          | Pass   | 2.43574G    | 12.69        | -17.31         | 2.1602G      | -54.79         | 2.39916G     | -19.09         | 2.4G         | -21.45         | 2.48408G     | -51.78         | 24.55328G    | -40.44         | 2    |
| VHT40_Nss1,(MCS0)_2TX          | Pass   | 2.41695G    | 7.97         | -22.03         | 2.1514G      | -54.02         | 2.39984G     | -27.72         | 2.4G         | -29.85         | 2.48702G     | -43.76         | 23.41262G    | -41.05         | 2    |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | 2.4395G     | 12.64        | -17.36         | 897.93M      | -54.36         | 2.3999G      | -18.30         | 2.4G         | -19.77         | 2.48406G     | -50.83         | 17.5968G     | -41.39         | 2    |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | Pass   | 2.44196G    | 9.72         | -20.28         | 2.17859G     | -53.40         | 2.39976G     | -26.41         | 2.4G         | -27.55         | 2.48702G     | -43.64         | 23.27519G    | -41.03         | 2    |



**CSE(Non-restricted Band)**  
**Non Beamforming Indoor Sample 1 Radio 2**

**Appendix E.1**

**Result**

| Mode                           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|--------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_Nss1,(1Mbps)_2TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.41098G    | 10.16        | -19.84         | 2.1305G      | -54.96         | 2.3997G      | -43.49         | 2.4G         | -53.99         | 2.4956G      | -52.32         | 15.2452G     | -41.51         | 1    |
| 2412MHz                        | Pass   | 2.41098G    | 10.16        | -19.84         | 686.48M      | -54.77         | 2.39986G     | -43.17         | 2.4G         | -43.87         | 2.49136G     | -52.71         | 14.99234G    | -41.97         | 2    |
| 2437MHz                        | Pass   | 2.41098G    | 10.16        | -19.84         | 2.13079G     | -55.45         | 2.396G       | -53.22         | 2.4G         | -55.58         | 2.48904G     | -52.24         | 23.39855G    | -41.66         | 1    |
| 2437MHz                        | Pass   | 2.41098G    | 10.16        | -19.84         | 947.44M      | -54.65         | 2.39878G     | -53.41         | 2.4G         | -54.78         | 2.4898G      | -52.99         | 24.27232G    | -41.61         | 2    |
| 2462MHz                        | Pass   | 2.41098G    | 10.16        | -19.84         | 2.02477G     | -54.54         | 2.39784G     | -53.53         | 2.4835G      | -55.77         | 2.48724G     | -51.60         | 23.36483G    | -40.71         | 1    |
| 2462MHz                        | Pass   | 2.41098G    | 10.16        | -19.84         | 2.30787G     | -54.80         | 2.39662G     | -53.04         | 2.4G         | -56.21         | 2.50486G     | -52.65         | 16.28193G    | -41.88         | 2    |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.442G      | 13.48        | -16.52         | 2.18088G     | -54.39         | 2.3995G      | -23.89         | 2.4G         | -25.61         | 2.48712G     | -52.00         | 23.54465G    | -41.67         | 1    |
| 2412MHz                        | Pass   | 2.442G      | 13.48        | -16.52         | 2.12554G     | -54.71         | 2.39886G     | -21.23         | 2.4G         | -23.39         | 2.4891G      | -51.22         | 23.30864G    | -41.81         | 2    |
| 2437MHz                        | Pass   | 2.442G      | 13.48        | -16.52         | 2.10079G     | -54.84         | 2.39928G     | -49.84         | 2.4G         | -51.65         | 2.4854G      | -50.44         | 23.34236G    | -41.09         | 1    |
| 2437MHz                        | Pass   | 2.442G      | 13.48        | -16.52         | 2.30554G     | -54.30         | 2.39964G     | -50.42         | 2.4G         | -52.81         | 2.48358G     | -49.31         | 15.21991G    | -41.41         | 2    |
| 2462MHz                        | Pass   | 2.442G      | 13.48        | -16.52         | 2.3035G      | -54.74         | 2.39776G     | -51.60         | 2.4835G      | -45.19         | 2.4845G      | -41.96         | 16.20888G    | -41.88         | 1    |
| 2462MHz                        | Pass   | 2.442G      | 13.48        | -16.52         | 888.9M       | -54.78         | 2.39962G     | -50.92         | 2.4835G      | -47.44         | 2.48356G     | -44.48         | 23.22717G    | -40.60         | 2    |
| VHT20_Nss1,(MCS0)_2TX          | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.43574G    | 12.69        | -17.31         | 1.94439G     | -54.45         | 2.3999G      | -20.15         | 2.4G         | -23.08         | 2.4894G      | -51.54         | 23.2665G     | -41.97         | 1    |
| 2412MHz                        | Pass   | 2.43574G    | 12.69        | -17.31         | 2.1602G      | -54.79         | 2.39916G     | -19.09         | 2.4G         | -21.45         | 2.48408G     | -51.78         | 24.55328G    | -40.44         | 2    |
| 2437MHz                        | Pass   | 2.43574G    | 12.69        | -17.31         | 2.14011G     | -54.77         | 2.39908G     | -49.18         | 2.4G         | -49.32         | 2.48354G     | -49.54         | 23.33674G    | -41.38         | 1    |
| 2437MHz                        | Pass   | 2.43574G    | 12.69        | -17.31         | 2.00904G     | -53.64         | 2.3996G      | -49.18         | 2.4835G      | -51.03         | 2.4868G      | -49.88         | 16.23697G    | -41.75         | 2    |
| 2462MHz                        | Pass   | 2.43574G    | 12.69        | -17.31         | 885.11M      | -54.17         | 2.39702G     | -49.62         | 2.4835G      | -43.18         | 2.4851G      | -41.41         | 24.98876G    | -41.22         | 1    |
| 2462MHz                        | Pass   | 2.43574G    | 12.69        | -17.31         | 2.07982G     | -53.54         | 2.39682G     | -50.46         | 2.4835G      | -44.02         | 2.48422G     | -42.09         | 24.8539G     | -41.99         | 2    |
| VHT40_Nss1,(MCS0)_2TX          | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                        | Pass   | 2.41695G    | 7.97         | -22.03         | 2.3034G      | -54.39         | 2.39928G     | -30.67         | 2.4G         | -31.07         | 2.48826G     | -47.29         | 17.60717G    | -41.80         | 1    |
| 2422MHz                        | Pass   | 2.41695G    | 7.97         | -22.03         | 2.1514G      | -54.02         | 2.39984G     | -27.72         | 2.4G         | -29.85         | 2.48702G     | -43.76         | 23.41262G    | -41.05         | 2    |
| 2437MHz                        | Pass   | 2.44071G    | 8.93         | -21.07         | 1.98051G     | -54.30         | 2.39956G     | -32.74         | 2.4G         | -38.82         | 2.48362G     | -42.14         | 23.30324G    | -40.78         | 1    |
| 2437MHz                        | Pass   | 2.44071G    | 8.93         | -21.07         | 1.99511G     | -54.29         | 2.39976G     | -35.21         | 2.4G         | -36.51         | 2.4835G      | -41.61         | 17.66887G    | -41.77         | 2    |
| 2452MHz                        | Pass   | 2.44071G    | 8.93         | -21.07         | 846.39M      | -54.89         | 2.39676G     | -48.76         | 2.4835G      | -45.70         | 2.48574G     | -39.51         | 23.54724G    | -41.12         | 1    |
| 2452MHz                        | Pass   | 2.44071G    | 8.93         | -21.07         | 957.16M      | -54.76         | 2.39896G     | -46.68         | 2.4835G      | -45.84         | 2.48826G     | -38.59         | 17.51462G    | -41.62         | 2    |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                        | Pass   | 2.4395G     | 12.64        | -17.36         | 635.22M      | -54.96         | 2.3995G      | -19.55         | 2.4G         | -20.10         | 2.51698G     | -51.86         | 24.52237G    | -41.69         | 1    |
| 2412MHz                        | Pass   | 2.4395G     | 12.64        | -17.36         | 897.93M      | -54.36         | 2.3999G      | -18.30         | 2.4G         | -19.77         | 2.48406G     | -50.83         | 17.5968G     | -41.39         | 2    |
| 2437MHz                        | Pass   | 2.4395G     | 12.64        | -17.36         | 2.30641G     | -54.70         | 2.39938G     | -47.06         | 2.4G         | -49.62         | 2.48544G     | -49.91         | 16.20888G    | -41.58         | 1    |
| 2437MHz                        | Pass   | 2.4395G     | 12.64        | -17.36         | 2.15671G     | -53.85         | 2.39994G     | -48.81         | 2.4835G      | -50.16         | 2.48392G     | -49.00         | 23.30864G    | -41.33         | 2    |
| 2462MHz                        | Pass   | 2.4395G     | 12.64        | -17.36         | 1.73673G     | -51.16         | 2.39994G     | -49.85         | 2.4835G      | -40.36         | 2.48556G     | -39.29         | 17.61928G    | -41.14         | 1    |
| 2462MHz                        | Pass   | 2.4395G     | 12.64        | -17.36         | 1.98516G     | -54.45         | 2.39662G     | -51.55         | 2.4835G      | -44.28         | 2.4837G      | -40.52         | 23.5615G     | -41.27         | 2    |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                        | Pass   | 2.44196G    | 9.72         | -20.28         | 2.16027G     | -53.71         | 2.39992G     | -28.65         | 2.4G         | -29.95         | 2.4845G      | -44.49         | 15.18964G    | -41.22         | 1    |
| 2422MHz                        | Pass   | 2.44196G    | 9.72         | -20.28         | 2.17859G     | -53.40         | 2.39976G     | -26.41         | 2.4G         | -27.55         | 2.48702G     | -43.64         | 23.27519G    | -41.03         | 2    |
| 2437MHz                        | Pass   | 2.44196G    | 9.72         | -20.28         | 776.25M      | -54.57         | 2.39988G     | -32.71         | 2.4G         | -36.19         | 2.4839G      | -40.98         | 23.278G      | -39.42         | 1    |
| 2437MHz                        | Pass   | 2.44196G    | 9.72         | -20.28         | 851.82M      | -54.32         | 2.39936G     | -32.33         | 2.4G         | -36.02         | 2.48402G     | -38.57         | 23.42103G    | -40.84         | 2    |
| 2452MHz                        | Pass   | 2.44196G    | 9.72         | -20.28         | 1.98022G     | -53.62         | 2.39964G     | -47.79         | 2.4835G      | -46.40         | 2.48954G     | -42.53         | 23.22752G    | -40.96         | 1    |
| 2452MHz                        | Pass   | 2.44196G    | 9.72         | -20.28         | 857.84M      | -54.65         | 2.39968G     | -45.77         | 2.4835G      | -41.26         | 2.48818G     | -40.39         | 24.91867G    | -41.03         | 2    |



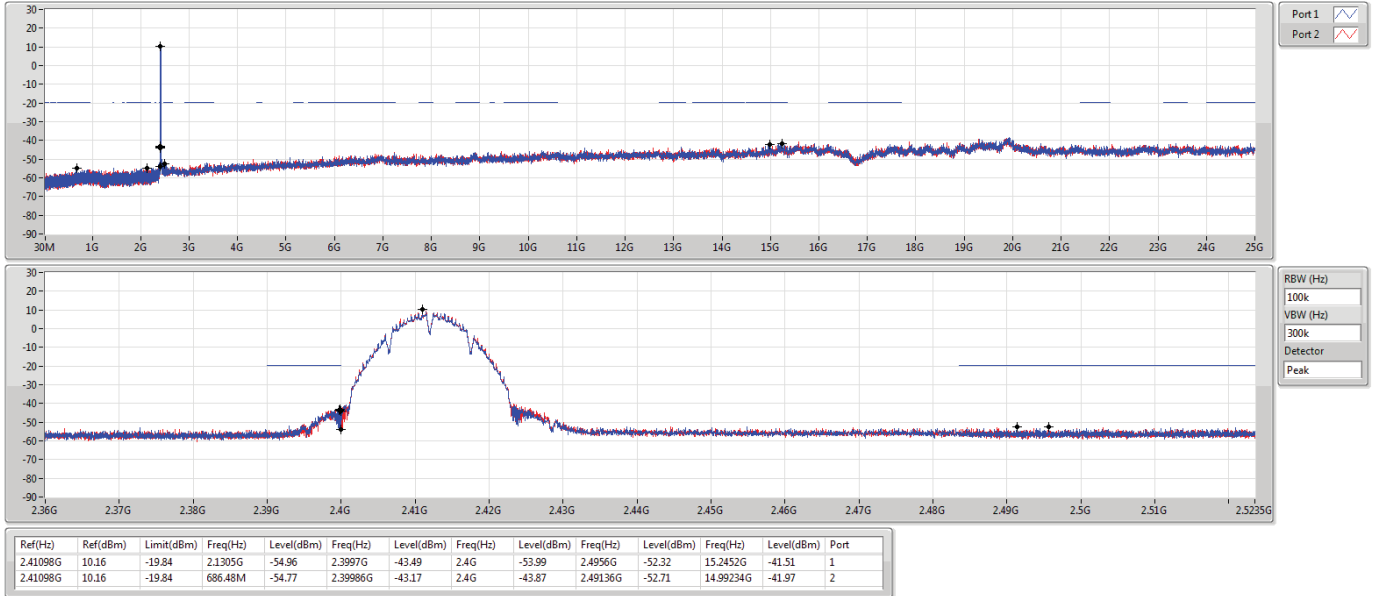
**CSE(Non-restricted Band)**  
**\_Non Beamforming\_Indoor\_Sample 1\_Radio 2**

**Appendix E.1**

**802.11b\_Nss1,(1Mbps)\_2TX**

**CSE NdB**

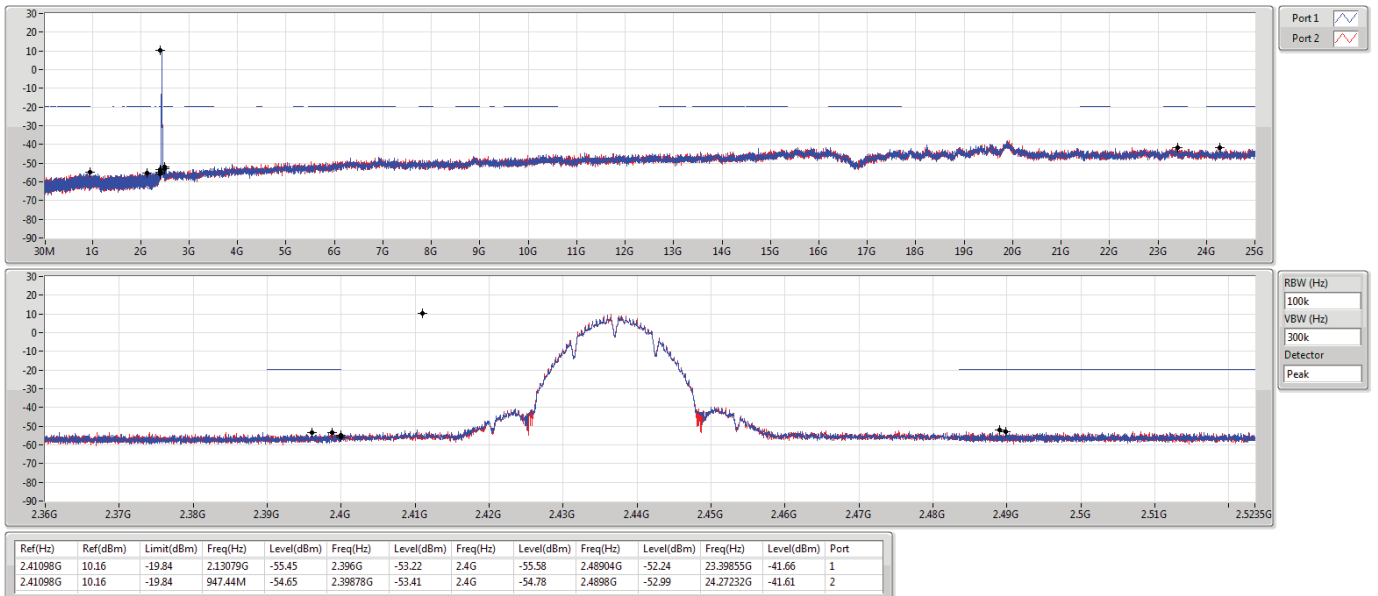
**2412MHz**



**802.11b\_Nss1,(1Mbps)\_2TX**

**CSE NdB**

**2437MHz**





**CSE(Non-restricted Band)**  
**\_Non Beamforming\_Indoor\_Sample 1\_Radio 2**

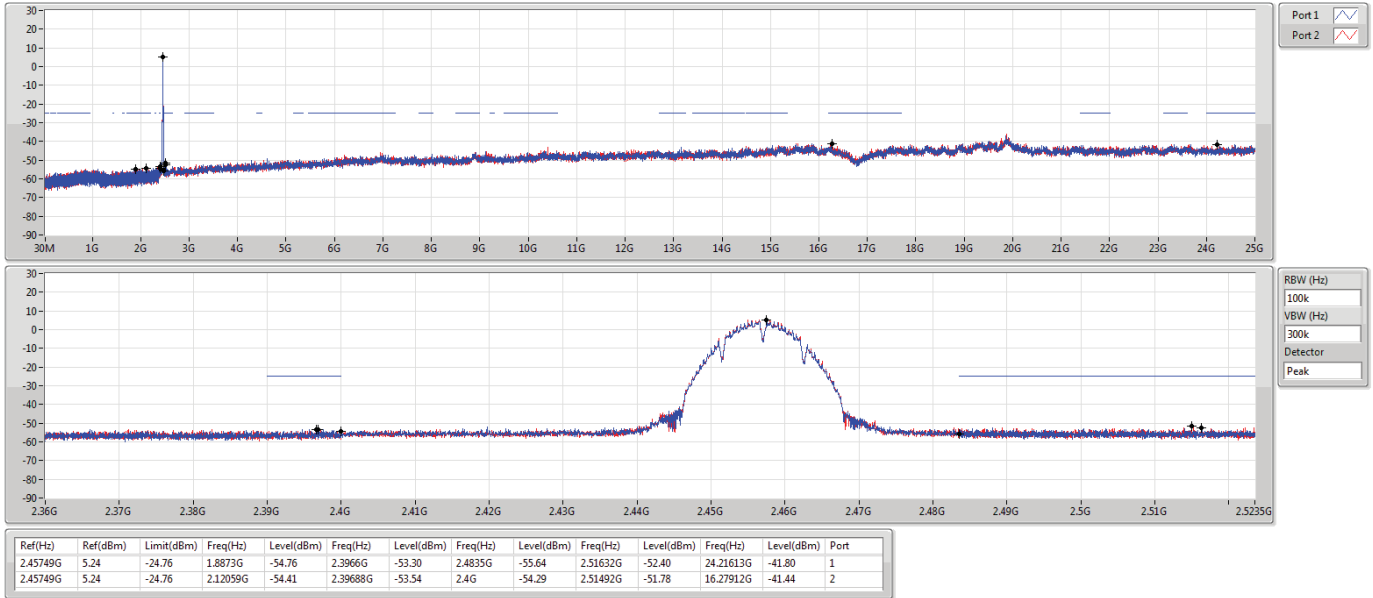
**Appendix E.1**

**802.11b\_Nss1,(1Mbps)\_2TX**

**2457MHz**

**CSE NdB**

09/03/2020



**802.11b\_Nss1,(1Mbps)\_2TX**

**2462MHz**

**CSE NdB**

17/03/2020

