# FCC Radio Test Report

| | | |
|---|---|---|
| **FCC ID** | : | **N7NXR90** |
| **Equipment** | : | **WiFi / Bluetooth** |
| **Brand Name** | : | **Sierra Wireless** |
| **Model Name** | : | **XR90** |
| **Applicant** | : | **Sierra Wireless Inc.**<br>**13811 Wireless Way, Richmond, BC Canada V6V 3A4** |
| **Manufacturer** | : | **Sierra Wireless Inc.**<br>**13811 Wireless Way, Richmond, BC Canada V6V 3A4** |
| **Standard** | : | **47 CFR FCC Part 15.407** |

**The product was received on Nov. 09, 2020, and testing was started from Jan. 07, 2021 and completed on Jul. 22, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.**

**Approved by: Allen Lin**

***SPORTON INTERNATIONAL INC. Hsinhua Laboratory***

*No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)*

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# History of this test report

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FR0N0913-03AN | 01 | Initial issue of report | Jul. 29, 2021 |
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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 | 15.407(a) | Emission Bandwidth | PASS | - |
| 3.3 | 15.407(a) | Maximum Conducted Output Power | PASS | - |
| 3.4 | 15.407(a) | Peak Power Spectral Density | PASS | - |
| 3.5 | 15.407(b) | Unwanted Emissions | 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:** |
| None |

**Reviewed by: Ben Tseng**

**Report Producer: Jenny Yang**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|---|---|---|---|
| 5150-5250 | a, n (HT20), ac (VHT20), ax (HEW 20) | 5180-5240 | 36-48 [4] |
| 5250-5350 | | 5260-5320 | 52-64 [4] |
| 5470-5725 | | 5500-5700 | 100-140 [11] |
| Straddle 5720 | | 5720 | 144 [1] |
| 5725-5850 | | 5745-5825 | 149-165 [5] |
| 5150-5250 | n (HT40), ac (VHT40), ax (HEW 40) | 5190-5230 | 38-46 [2] |
| 5250-5350 | | 5270-5310 | 54-62 [2] |
| 5470-5725 | | 5510-5670 | 102-134 [5] |
| Straddle 5710 | | 5710 | 142 [1] |
| 5725-5850 | | 5755-5795 | 151-159 [2] |
| 5150-5250 | ac (VHT80), ax (HEW 80) | 5210 | 42 [1] |
| 5250-5350 | | 5290 | 58 [1] |
| 5470-5725 | | 5530-5610 | 106-122 [2] |
| Straddle 5690 | | 5690 | 138 [1] |
| 5725-5850 | | 5775 | 155 [1] |

**Non-Beamforming**
**WiFi A & WiFi B**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11a | 20 | 4TX |
| 5.25-5.35GHz | 802.11a | 20 | 4TX |
| 5.47-5.725GHz | 802.11a | 20 | 4TX |
| 5.725-5.85GHz | 802.11a | 20 | 4TX |
| 5.15-5.25GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.15-5.25GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW40 | 40 | 4TX |

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW80 | 80 | 4TX |

**Beamforming**
**WiFi A & WiFi B**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 5.15-5.25GHz | 802.11ax HEW40-BF | 40 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW40-BF | 40 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW40-BF | 40 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW40-BF | 40 | 4TX |
| 5.15-5.25GHz | 802.11ax HEW80-BF | 80 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW80-BF | 80 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW80-BF | 80 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW80-BF | 80 | 4TX |

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, modulation.
- BWch is the nominal channel bandwidth.

## 1.1.2 Antenna Information

| Ant. | Brand | Model Name | Antenna Type | Connector |
|---|---|---|---|---|
| 5 | PANORAMA | LGMQM4-6-60-24-58 | Panel | FAKRA |
| 6 | PANORAMA | LGMQM4-6-60-24-58 | Panel | FAKRA |
| 7 | PANORAMA | LGMQM4-6-60-24-58 | Panel | FAKRA |
| 8 | PANORAMA | LGMQM4-6-60-24-58 | Panel | FAKRA |
| 9 | PANORAMA | PWB-24-58 | Paddle | FAKRA |

| Ant. | Port | Gain (dBi) | | |
|---|---|---|---|---|
| | | 2.4G | 5G | BT |
| 5 | 1 | -0.25 | 0.5 | - |
| 6 | 2 | -0.25 | 0.5 | - |
| 7 | 3 | -0.25 | 0.5 | - |
| 8 | 4 | -0.25 | 0.5 | - |
| 9 | 1 | - | - | 3 |

Note 1: The EUT has five antennas.

**For 2.4GHz function:**

For IEEE 802.11 b/g/n/VHT/ax mode (4TX/4RX)

Ant. 5 (port 1), Ant. 6 (port 2), Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

**For BT function:**

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

Only Ant. 9 (port 1) can be used as transmitting/receiving antenna.

**For 5GHz function:**

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

Ant. 5 (port 1), Ant. 6 (port 2), Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

### 1.1.3 EUT Information

| Operational Condition | | | | |
|---|---|---|---|---|
| **EUT Power Type** | From AC Adapter | | | |
| **EUT Function** | ☒ | Outdoor AP | ☐ | Indoor AP |
| | ☐ | Fixed P2P AP | ☐ | Outdoor/Indoor Client |
| **Beamforming Function** | ☒ | With beamforming | ☐ | Without beamforming |
| **TPC Function** | ☒ | With TPC Function | ☐ | Without TPC Function |
| **Weather Band** | ☒ | With 5600~5650MHz | ☐ | Without 5600~5650MHz |

| Type of EUT | | |
|---|---|---|
| ☒ | Stand-alone | |
| ☐ | Combined (EUT where the radio part is fully integrated within another device) | |
| | Combined Equipment - Brand Name / Model No.: | … |
| ☐ | Plug-in radio (EUT intended for a variety of host systems) | |
| | Host System - Brand Name / Model No.: | |
| ☐ | Other: | |

### 1.1.4 Mode Test Duty Cycle

**Non-Beamforming**
**WiFi A**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | 0.914 | 0.39 | 56.321u | 10k |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 0.988 | 0.05 | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 0.978 | 0.1 | 2.036m | 1k |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 0.953 | 0.21 | 1.003m | 1k |

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

**WiFi B**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | 0.909 | 0.41 | 564.375u | 3k |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 0.911 | 0.4 | 4.008m | 300 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 0.971 | 0.13 | 2.036m | 1k |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 0.941 | 0.26 | 1.003m | 1k |

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

**Beamforming**
**WiFi A**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 0.937 | 0.28 | 4.798m | 300 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 0.937 | 0.28 | 4.888m | 300 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.406 | 3.91 | 615.625us | 3k |

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

**WiFi B**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 0.942 | 0.26 | 14.063us | 10 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 0.903 | 0.44 | 16.063us | 10 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.427 | 3.7 | 150us | 10 |

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
- KDB 789033 D02 v02r01

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

- KDB 662911 D01 v02r01
- KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| **Test Lab.：Sporton International Inc. Hsinhua Laboratory** | | | | |
|---|---|---|---|---|
| ☒ Hsinhua **(TAF:** 3785**)** | **ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) | | | |
| | **TEL:** 886-3-327-3456 | | **FAX:** 886-3-327-0973 | |
| Test site Designation No. TW3785 with FCC. | | | | |
| **Test Condition** | **Test Site No.** | **Test Engineer** | **Test Environment** | **Test Date** |
| AC Conduction | CO04-HY | Tony Chang | 25.1~26.7°C / 50~56% | 21/Jul/2021~22/Jul/2021 |
| RF Conducted | TH01-HY | Vivi Jiang | 22.1~26.9°C / 52~60% | 26/Jan/2021~17/Jul/2021 |
| ☒ Wen 33rd.St. **(TAF:** 3785**)** | **ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) | | | |
| | **TEL:** 886-3-318-0787 | | **FAX:** 886-3-318-0287 | |
| Test site Designation No. TW0008 with FCC. | | | | |
| **Test Condition** | **Test Site No.** | **Test Engineer** | **Test Environment** | **Test Date** |
| Radiated (below 1GHz) | 03CH09-HY | Lego Lin | 22.5~24.4°C / 42~54% | 19/Jul/2021~21/Jul/2021 |
| Radiated (above 1GHz) | 03CH09-HY | Lego Lin | 21.5~22.3°C / 55~60%、23.5~24.6°C / 53~61% | 07/Jan/2021~16/Mar/2021、04/Jun/2021 |

## 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 Channel Mode

| Test Software Version | DOS v6.1 |
|---|---|

**Non-Beamforming**
**WiFi A**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | - |
| 5180MHz | 157 |
| 5200MHz | 157 |
| 5240MHz | 157 |
| 5260MHz | 187 |
| 5300MHz | 187 |
| 5320MHz | 187 |
| 5500MHz | 192 |
| 5580MHz | 191 |
| 5700MHz | 189 |
| 5720MHz Straddle 5.47-5.725GHz | 191 |
| 5720MHz Straddle 5.725-5.85GHz | 191 |
| 5745MHz | 240 |
| 5785MHz | 240 |
| 5825MHz | 240 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - |
| 5180MHz | 155 |
| 5200MHz | 155 |
| 5240MHz | 155 |
| 5260MHz | 186 |
| 5300MHz | 185 |
| 5320MHz | 185 |
| 5500MHz | 193 |
| 5580MHz | 193 |
| 5700MHz | 175 |
| 5720MHz Straddle 5.47-5.725GHz | 192 |
| 5720MHz Straddle 5.725-5.85GHz | 192 |

| Mode | Power Setting |
|---|---|
| 5745MHz | 240 |
| 5785MHz | 240 |
| 5825MHz | 240 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - |
| 5190MHz | 140 |
| 5230MHz | 140 |
| 5270MHz | 174 |
| 5310MHz | 160 |
| 5510MHz | 155 |
| 5550MHz | 179 |
| 5670MHz | 179 |
| 5710MHz Straddle 5.47-5.725GHz | 179 |
| 5710MHz Straddle 5.725-5.85GHz | 179 |
| 5755MHz | 240 |
| 5795MHz | 240 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - |
| 5210MHz | 155 |
| 5290MHz | 185 |
| 5530MHz | 185 |
| 5610MHz | 190 |
| 5690MHz Straddle 5.47-5.725GHz | 200 |
| 5690MHz Straddle 5.725-5.85GHz | 200 |
| 5775MHz | 230 |

**WiFi B**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | - |
| 5180MHz | 130 |
| 5200MHz | 130 |
| 5240MHz | 130 |
| 5260MHz | 160 |
| 5300MHz | 160 |
| 5320MHz | 159 |
| 5500MHz | 163 |
| 5580MHz | 163 |
| 5700MHz | 166 |
| 5720MHz Straddle 5.47-5.725GHz | 165 |
| 5720MHz Straddle 5.725-5.85GHz | 165 |
| 5745MHz | 229 |
| 5785MHz | 230 |
| 5825MHz | 232 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - |
| 5180MHz | 135 |
| 5200MHz | 135 |
| 5240MHz | 135 |
| 5260MHz | 166 |
| 5300MHz | 165 |
| 5320MHz | 166 |
| 5500MHz | 172 |
| 5580MHz | 173 |
| 5700MHz | 174 |
| 5720MHz Straddle 5.47-5.725GHz | 174 |
| 5720MHz Straddle 5.725-5.85GHz | 174 |
| 5745MHz | 227 |
| 5785MHz | 228 |
| 5825MHz | 232 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - |
| 5190MHz | 120 |
| 5230MHz | 120 |
| 5270MHz | 155 |

| Mode | Power Setting |
|---|---|
| 5310MHz | 155 |
| 5510MHz | 158 |
| 5550MHz | 160 |
| 5670MHz | 160 |
| 5710MHz Straddle 5.47-5.725GHz | 164 |
| 5710MHz Straddle 5.725-5.85GHz | 164 |
| 5755MHz | 216 |
| 5795MHz | 218 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - |
| 5210MHz | 125 |
| 5290MHz | 171 |
| 5530MHz | 173 |
| 5610MHz | 173 |
| 5690MHz Straddle 5.47-5.725GHz | 171 |
| 5690MHz Straddle 5.725-5.85GHz | 171 |
| 5775MHz | 240 |

**Beamforming**
**WiFi A**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - |
| 5180MHz | 85 |
| 5200MHz | 85 |
| 5240MHz | 85 |
| 5260MHz | 163 |
| 5300MHz | 163 |
| 5320MHz | 163 |
| 5500MHz | 144 |
| 5580MHz | 144 |
| 5700MHz | 149 |
| 5720MHz Straddle 5.47-5.725GHz | 148 |
| 5720MHz Straddle 5.725-5.85GHz | 148 |
| 5745MHz | 205 |
| 5785MHz | 205 |
| 5825MHz | 205 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - |
| 5190MHz | 85 |
| 5230MHz | 85 |
| 5270MHz | 140 |
| 5310MHz | 140 |
| 5510MHz | 145 |
| 5550MHz | 143 |
| 5670MHz | 147 |
| 5710MHz Straddle 5.47-5.725GHz | 153 |
| 5710MHz Straddle 5.725-5.85GHz | 153 |
| 5755MHz | 210 |
| 5795MHz | 210 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - |
| 5210MHz | 80 |
| 5290MHz | 143 |
| 5530MHz | 142 |
| 5610MHz | 148 |
| 5690MHz Straddle 5.47-5.725GHz | 140 |

| Mode | Power Setting |
|---|---|
| 5690MHz Straddle 5.725-5.85GHz | 140 |
| 5775MHz | 210 |

**WiFi B**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - |
| 5180MHz | 85 |
| 5200MHz | 82 |
| 5240MHz | 85 |
| 5260MHz | 164 |
| 5300MHz | 164 |
| 5320MHz | 161 |
| 5500MHz | 164 |
| 5580MHz | 165 |
| 5700MHz | 170 |
| 5720MHz Straddle 5.47-5.725GHz | 166 |
| 5720MHz Straddle 5.725-5.85GHz | 166 |
| 5745MHz | 230 |
| 5785MHz | 230 |
| 5825MHz | 230 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - |
| 5190MHz | 85 |
| 5230MHz | 85 |
| 5270MHz | 160 |
| 5310MHz | 165 |
| 5510MHz | 165 |
| 5550MHz | 165 |
| 5670MHz | 166 |
| 5710MHz Straddle 5.47-5.725GHz | 170 |
| 5710MHz Straddle 5.725-5.85GHz | 170 |
| 5755MHz | 221 |
| 5795MHz | 240 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - |
| 5210MHz | 83 |
| 5290MHz | 161 |

| Mode | Power Setting |
|---|---|
| 5530MHz | 140 |
| 5610MHz | 139 |
| 5690MHz Straddle 5.47-5.725GHz | 134 |
| 5690MHz Straddle 5.725-5.85GHz | 134 |
| 5775MHz | 209 |

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | AC power-line conducted emissions |
| **Condition** | AC power-line conducted measurement for line and neutral<br>Test Voltage: 120Vac / 60Hz |
| **Operating Mode** | CTX |
| 1 | Adapter mode |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Emission Bandwidth<br>Maximum Conducted Output Power<br>Peak Power Spectral Density |
| **Test Condition** | Conducted measurement at transmit chains |

Note: From Sporton Project No.: FR0N0913-02AN. (U-NII-2A, U-NII-2C and U-NII-3)

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Unwanted Emissions |
| **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 | Adapter mode |
| **Operating Mode > 1GHz** | CTX |
| **Orthogonal Planes of EUT** | **Z Plane** |
| |  |

Note: From Sporton Project No.: FR0N0913-02AN. (above 1GHz)

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis |
| **Test Condition** | Radiated measurement |
| **Operating Mode** | Normal Link |
| 1 | WiFi A WLAN 2.4GHz+ WLAN 5GHz |
| 2 | WiFi B WLAN 2.4GHz+ WLAN 5GHz |
| Refer to Sporton Test Report No.: FA0N0913 for Co-location RF Exposure Evaluation and Appendix E for Radiated Emission Co-location. | |

## 2.3 Accessories

| Accessories | | | | |
|---|---|---|---|---|
| RJ45 Cable | Category | 5 | In/Out door | - |
| | Signal Line | 2.0 meter, non-shielded cable | | |

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

## 2.4 Support Equipment

| Support Equipment – AC Conduction | | | | | |
|---|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** | **Remark** |
| 1 | Adapter | Tenpao | S090IP2400375 | - | Note 1 |
| 2 | Notebook | HP | HSTNN-Q85C | - | - |
| 3 | AC Adapter (for NB) | HP | PPP012L-E | - | - |
| 4 | RS232-to-Lan cable | - | - | - | - |
| 5 | USB-to-RS232 cable | - | - | - | - |
| 6 | AC Adapter (for NB) (Remote) | HP | PPP012H-S | - | - |
| 7 | AC Power cable (Remote) | Power Sync | TPCMRN0018 | - | - |
| 8 | Notebook (Remote) | HP | 5220m | - | - |

Note 1: Provided by Customer

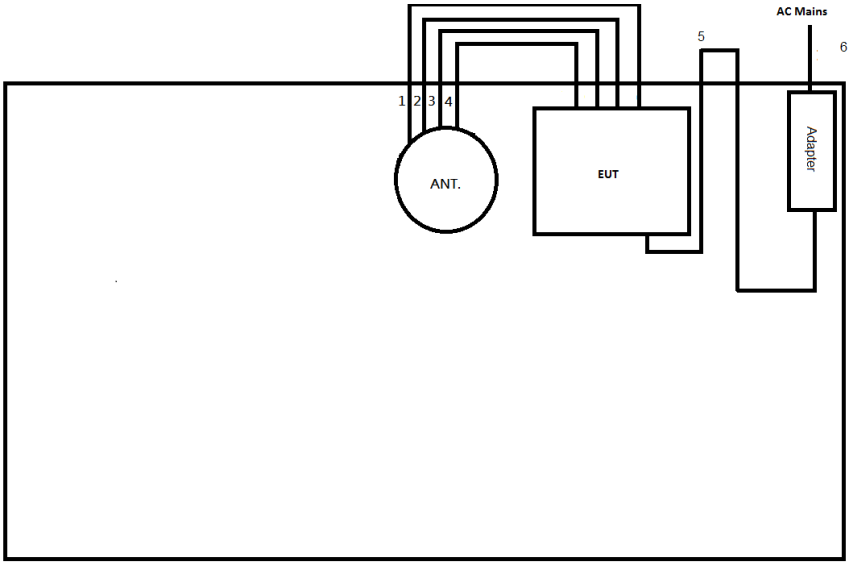
| Support Equipment – Conducted | | | | | |
|---|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** | **Remark** |
| 1 | Notebook | DELL | E5410 | - | - |
| 2 | Adapter for NB | DELL | HA65NM130 | - | - |
| 3 | Notebook | Acer | Trave Mate P2410 | - | - |
| 4 | Adapter for NB | HIPRO | HP-A0652R3B | - | - |

| Support Equipment – Radiated | | | | | |
|---|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** | **Remark** |
| 1 | Adapter | Tenpao | S090IP2400375 | - | Note 1 |
| 2 | Notebook | HP | HSTNN-Q85C | - | - |
| 3 | AC Adapter (for NB) | HP | PPP012L-E | - | - |
| 4 | USB-to-RS232 cable | - | - | - | - |
| 5 | RS232-to-Lan cable | - | - | - | - |
| 6 | AC Adapter (for NB) (Remote) | HP | PPP012H-S | - | - |
| 7 | AC Power cable (Remote) | Power Sync | TPCMRN0018 | - | - |
| 8 | Notebook (Remote) | HP | 5220m | - | - |

Note 1: Provided by Customer

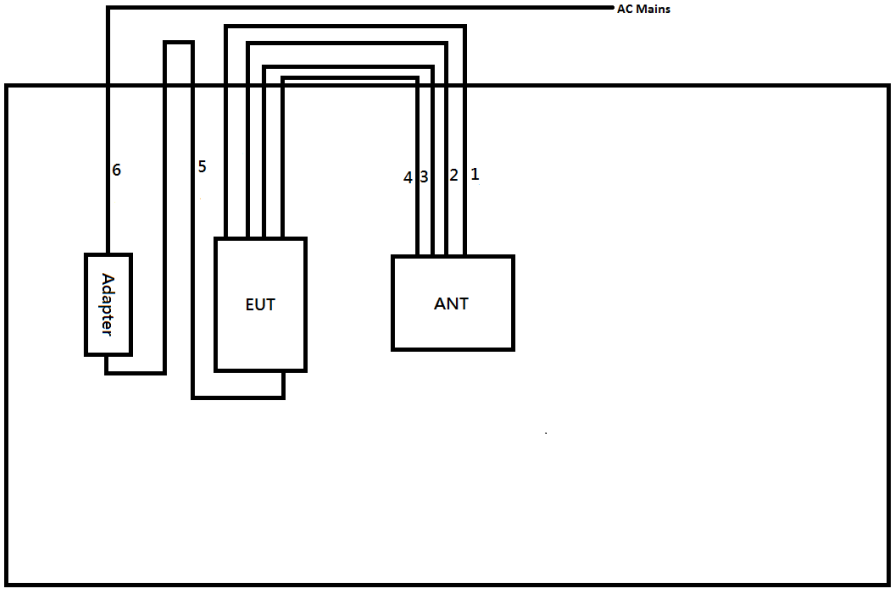
## 2.5 Test Setup Diagram

**Test Setup Diagram – AC Line Conducted Emission Test**




| Item | Connection | Shielded | Length(m) | Remark |
|---|---|---|---|---|
| 1 | Ant cable | No | 2.5 | - |
| 2 | Ant cable | No | 2.5 | - |
| 3 | Ant cable | No | 2.5 | - |
| 4 | Ant cable | No | 2.5 | - |
| 5 | DC Power cable | No | 3.0 | - |
| 6 | AC Power cable | No | 1.8 | - |

## Test Setup Diagram - Radiated Test




| Item | Connection | Shielded | Length(m) | Remark |
|---|---|---|---|---|
| 1 | Ant cable | No | 2.5 | - |
| 2 | Ant cable | No | 2.5 | - |
| 3 | Ant cable | No | 2.5 | - |
| 4 | Ant cable | No | 2.5 | - |
| 5 | DC Power cable | No | 3.0 | - |
| 6 | AC Power cable | No | 1.8 | - |

# 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

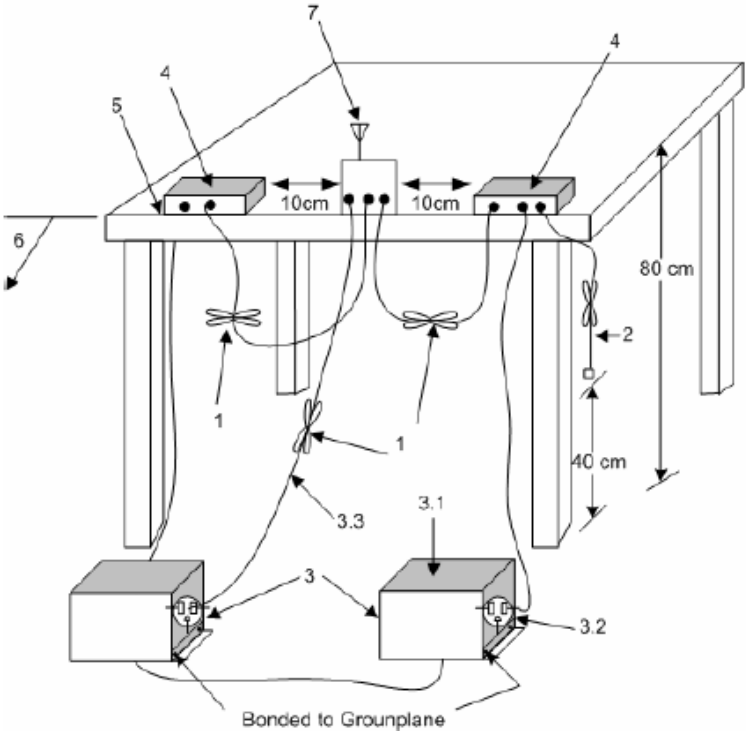
| Test Method |
|---|
| ☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

### 3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

### 3.1.5 Test Setup

**AC Power-line Conducted Emissions**




1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

# 3.2 Emission Bandwidth

## 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit |
|---|
| **UNII Devices** |
| ☒ For the 5.15-5.25 GHz band, N/A |
| ☒ For the 5.25-5.35 GHz band, N/A |
| ☒ For the 5.47-5.725 GHz band, N/A |
| ☒ For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz. |

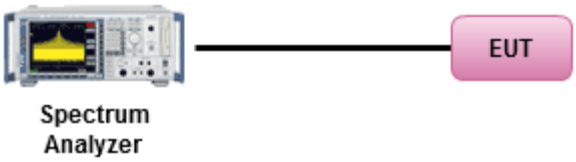
## 3.2.2 Measuring Instruments

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

## 3.2.3 Test Procedures

| Test Method | |
|---|---|
| ▪ | For the emission bandwidth shall be measured using one of the options below: |
| | ☒ Refer as KDB 789033, clause C for EBW and clause D for OBW measurement. |
| | ☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing. |
| | ☐ Refer as IC RSS-Gen, clause 6.7 for bandwidth testing. |

## 3.2.4 Test Setup

| Emission Bandwidth |
|---|
|   |

## 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 | |
|---|---|
| **UNII Devices** | |
| ☒ For the 5.15-5.25 GHz band: | |
| | ▪ Outdoor AP: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] |
| | ▪ Indoor AP: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 6) |
| | ▪ Point-to-point AP: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W If $G_{TX}$ > 23 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 23). |
| | ▪ Mobile or Portable Client: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 250 mW. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 24 – ($G_{TX}$ – 6). |
| ☒ For the 5.25-5.35 GHz band, the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 24 – ($G_{TX}$ – 6). | |
| ☒ For the 5.47-5.725 GHz band, the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 24 – ($G_{TX}$ – 6). | |
| ☒ For the 5.725-5.85 GHz band: | |
| | ▪ Point-to-multipoint systems (P2M): the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 6). |
| | ▪ Point-to-point systems (P2P): the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. |
| **$P_{Out}$** = maximum conducted output power in dBm,<br>**$G_{TX}$** = the maximum transmitting antenna directional gain in dBi. | |

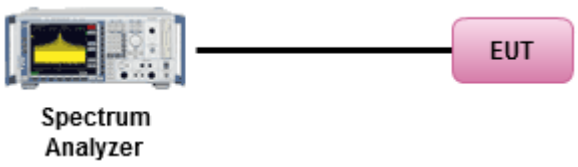
### 3.3.2 Measuring Instruments

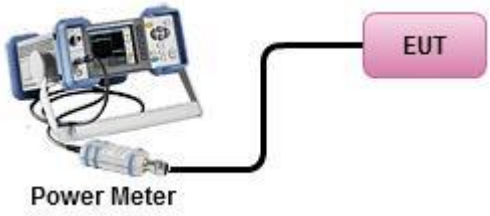
Refer a test equipment and calibration data table in this test report.

### 3.3.3 Test Procedures

| Test Method | |
|---|---|
| ▪ Maximum Conducted Output Power | |
| | Duty cycle ≥ 98% |
| | ☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). |
| | Duty cycle < 98% |
| | ☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) |
| | Wideband RF power meter and average over on/off periods with duty factor |
| | ☒ Refer as KDB 789033, clause E Method PM (using an RF average power meter). |
| ▪ For conducted measurement. | |
| | ▪ 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. |
| | ▪ If multiple transmit chains, EIRP calculation could be following as methods:<br>$P_{total} = P_1 + P_2 + \ldots + P_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = P_{total} + DG$ |

### 3.3.4 Test Setup

| RF Output Power (Spectrum Analyzer) |
|---|
|  |

| RF Output Power (Power Meter) |
|---|
|  |

### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

# 3.4 Peak Power Spectral Density

## 3.4.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit | |
|---|---|
| **UNII Devices** | |
| ☒ For the 5.15-5.25 GHz band: | |
| | ▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 17 – ($G_{TX}$ – 6). |
| | ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 17 – ($G_{TX}$ – 6). |
| | ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX}$ > 23 dBi, then $P_{Out}$ = 17 – ($G_{TX}$ – 23). |
| | ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX}$ > 6 dBi, then PPSD= 11 – ($G_{TX}$ – 6).. |
| ☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX}$ > 6 dBi, then PPSD= 11 – ($G_{TX}$ – 6). | |
| ☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX}$ > 6 dBi, then PPSD= 11 – ($G_{TX}$ – 6). | |
| ☒ For the 5.725-5.85 GHz band: | |
| | ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX}$ > 6 dBi, then PPSD= 30 – ($G_{TX}$ – 6). |
| | ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. |
| **PPSD** = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz<br>**$G_{TX}$** = the maximum transmitting antenna directional gain in dBi. | |

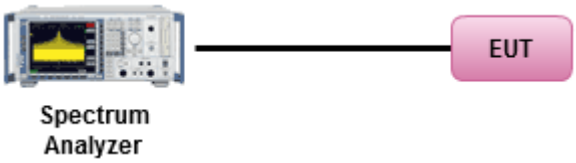
## 3.4.2 Measuring Instruments

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 shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options: | | |
| | ☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth | |
| | Duty cycle ≥ 98% | |
| | ☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). | |
| | Duty cycle < 98% | |
| | ☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) | |
| ▪ 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. |
| | ▪ | If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br>$PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = PPSD_{total} + DG$ |

### 3.4.4 Test Setup

| Power Spectral Density |
|---|
|  |

### 3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

## 3.5 Unwanted Emissions

### 3.5.1 Transmitter Radiated Unwanted Emissions Limit

| Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.

| Un-restricted band emissions above 1GHz Limit | |
|---|---|
| **Operating Band** | **Limit** |
| 5.15 - 5.25 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.25 - 5.35 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.47 - 5.725 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.725 - 5.85 GHz | 5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m]<br>5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m]<br>5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m]<br>5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m]<br>5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m]<br>5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m]<br>Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |

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

### 3.5.2 Measuring Instruments

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

### 3.5.3 Test Procedures

| Test Method |
|---|
| ▪ 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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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). |
| ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. |
| ▪ For the transmitter unwanted emissions shall be measured using following options below: |
| ▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands. |
| ▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands. |
| ☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW. |
| ☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit. |
| ▪ For radiated measurement. |
| ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. |
| ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. |
| ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. |
| ▪ The any unwanted emissions level shall not exceed the fundamental emission level. |
| ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. |
| ▪ 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 ≥ 1 GHz for peak measurement. 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. |

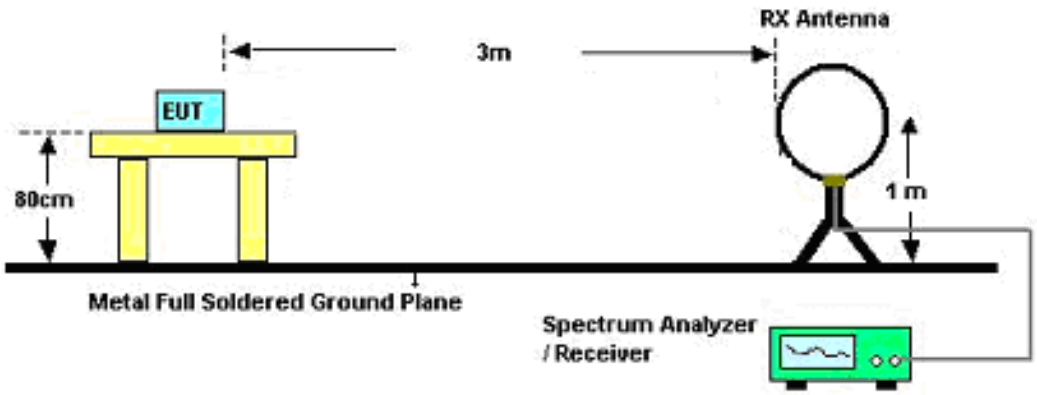
### 3.5.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

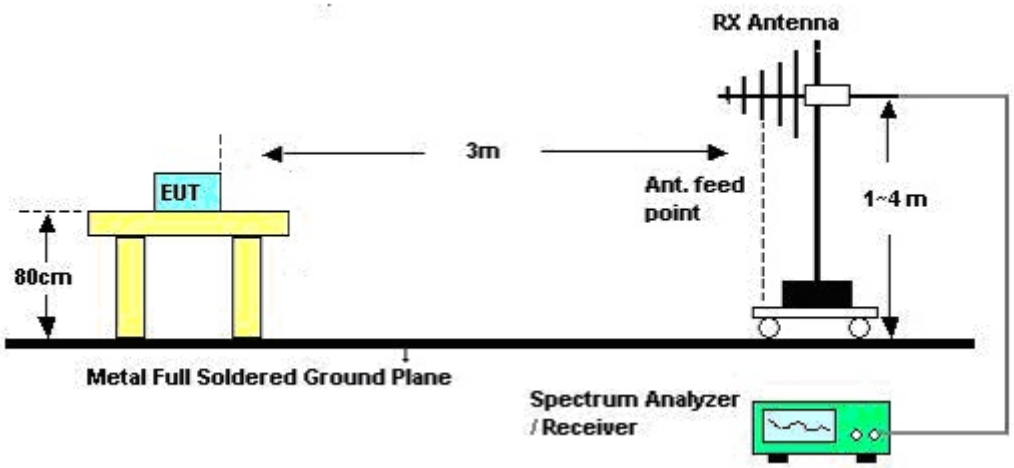
### 3.5.5 Test Setup

**Transmitter Radiated Unwanted Emissions**

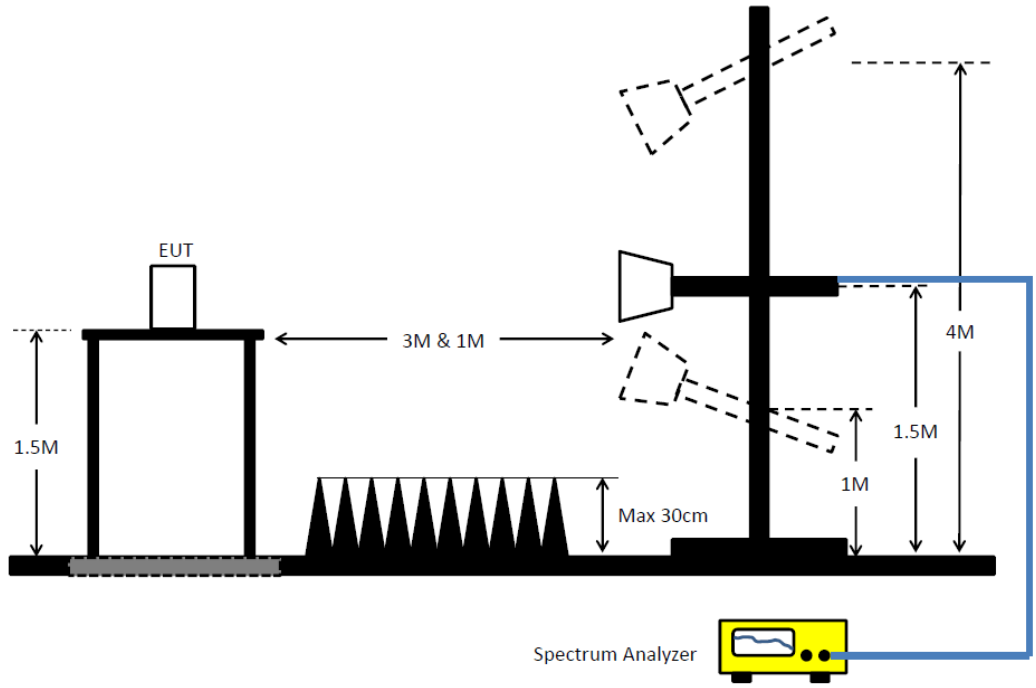
**9kHz ~30MHz**




**30MHz~1GHz**



**Above 1GHz**




### 3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

# 4 Test Equipment and Calibration Data

**Instrument for AC Conduction**

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| EMI Test Receiver | R&S | ESR | 102052 | 9kHz ~ 3.6GHz | 19/Apr/2021 | 18/Apr/2022 |
| LISN | R&S | ENV216 | 101295 | 9kHz ~ 30MHz | 11/Nov/2020 | 10/Nov/2021 |
| RF Cable 5m | TITAN | TITAN | CO04-cable-01 | 0.1MHz~200MHz | 03/Mar/2021 | 02/Mar/2022 |
| Impuls Begrenzer Pulse Limiter | SCHWARZBECK | VTSD 9561-F | 9561-F041 | 9kHz ~ 30MHz | 21/Sep/2020 | 20/Sep/2021 |
| LISN (Support Unit) | SCHWARZBECK MESS-ELEKTRONIK | NSLK 8127 | 8127477 | 9kHz ~ 30MHz | 25/Feb/2021 | 24/Feb/2022 |

**Instrument for Conducted Test**

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| Signal Analyzer | R&S | FSV 40 | 101029 | 10Hz~40GHz | 19/Oct/2020 | 18/Oct/2021 |
| SMB100A Signal Generator | R&S | SMB100A03 | 181147 | 100kHz~40GHz | 20/Oct/2020 | 19/Oct/2021 |
| Pulse Sensor | Anritsu | MA2411B | 0917017 | 300MHz~40GHz | 23/Feb/2021 | 22/Feb/2022 |
| Power Meter | Anritsu | ML2495A | 0949003 | 300MHz~40GHz | 23/Feb/2021 | 22/Feb/2022 |
| Pulse Sensor | Anritsu | MA2411B | 1027452 | 300MHz~40GHz | 18/Mar/2020 | 17/Mar/2021 |
| Power Meter | Anritsu | ML2495A | 1124009 | 300MHz~40GHz | 18/Mar/2020 | 17/Mar/2021 |

**Instrument for Radiated Test (below 1GHz)**

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| 3m Semi Anechoic Chamber | TDK | SAC-3M | 03CH09-HY | 30MHz~1GHz 3m | 26/Mar/2021 | 25/Mar/2022 |
| EXA Signal Analyzer | KEYSIGHT | N9010A | MY54200885 | 10Hz~44GHz | 11/Aug/2020 | 10/Aug/2021 |
| Amplifier | EMC | EMC9135 | 980232 | 9kHz~1GHz | 12/Apr/2021 | 11/Apr/2022 |
| Bilog Antenna & 5dB Attenuator | TESEQ & MTJ | CBL6111D&MTJ6102-05 | 35418 & 3 | 30MHz~1GHz | 06/Sep/2020 | 05/Sep/2021 |
| RF Cable-low | Jye Bao | RG142 | CB031+324530/4 | 9kHz~30MHz | 03/Sep/2020 | 02/Sep/2021 |
| RF Cable-low | Jye Bao | RG142 | CB031+324530/4 | 30MHz~1GHz | 09/Feb/2021 | 08/Feb/2022 |
| Loop Antenna | TESEQ | HLA 6120 | 31244 | 9kHz~30MHz | 16/Mar/2021 | 15/Mar/2022 |
| EMI Test Receiver | R&S | ESR3 | 102051 | 9kHz~3.6GHz | 21/May/2021 | 20/May/2022 |

**Instrument for Radiated Test (above 1GHz)**

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| 3m Semi Anechoic Chamber | TDK | SAC-3M | 03CH09-HY | 1GHz~18GHz 3m | 19/Mar/2020 | 18/Mar/2021 |
| 3m Semi Anechoic Chamber | TDK | SAC-3M | 03CH09-HY | 1GHz~18GHz 3m | 18/Mar/2021 | 17/Mar/2022 |
| EXA Signal Analyzer | KEYSIGHT | N9010A | MY54200885 | 10Hz~44GHz | 11/Aug/2020 | 10/Aug/2021 |
| Microwave Preamplifier | Agilent | 8449B | 3008A02096 | 1GHz~26.5GHz | 24/Jul/2020 | 23/Jul/2021 |
| Double Ridged Guide Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA9120 D 1534 | 1GHz~18GHz | 28/May/2020 | 27/May/2021 |
| Double Ridged Guide Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA9120 D 1534 | 1GHz~18GHz | 18/May/2021 | 17/May/2022 |
| RF CABLE 5m+3m+1m | HUBER+ SUHNER | SUCOFLEX104 | SN MY25918/4+ SN MY39478/4 + SN 324530/4 | 1GHz~40GHz | 15/Aug/2020 | 14/Aug/2021 |
| Broadband Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA 9170221 | 18GHz~40GHz | 13/Mar/2020 | 12/Mar/2021 |
| Broadband Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA 9170221 | 18GHz~40GHz | 11/Mar/2021 | 10/Mar/2022 |
| Preamplifier | MITEQ | TTA1840-35-H G | 1864481 | 18GHz~40GHz | 10/Mar/2020 | 09/Mar/2021 |

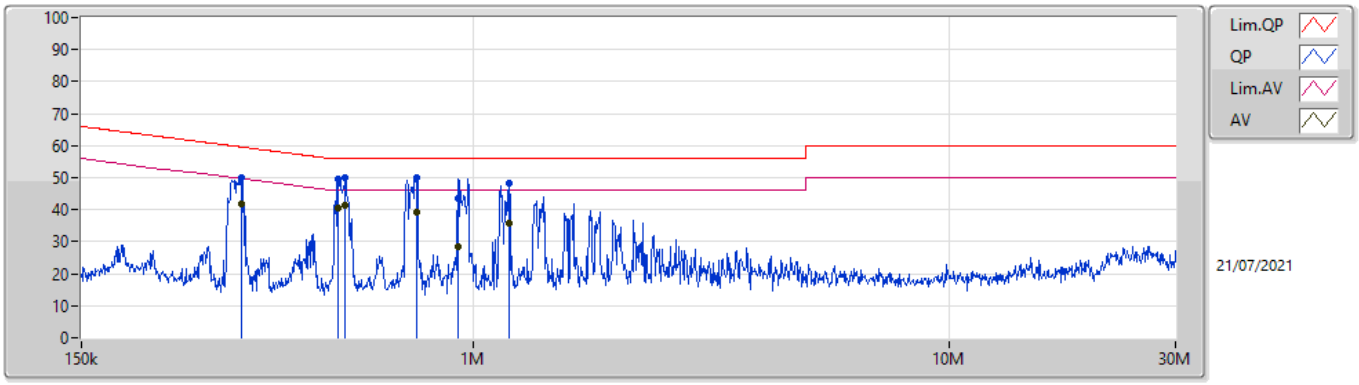
**Summary**

| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | AV | 540.273k | 41.64 | 46.00 | -4.36 | Neutral |

**Result**

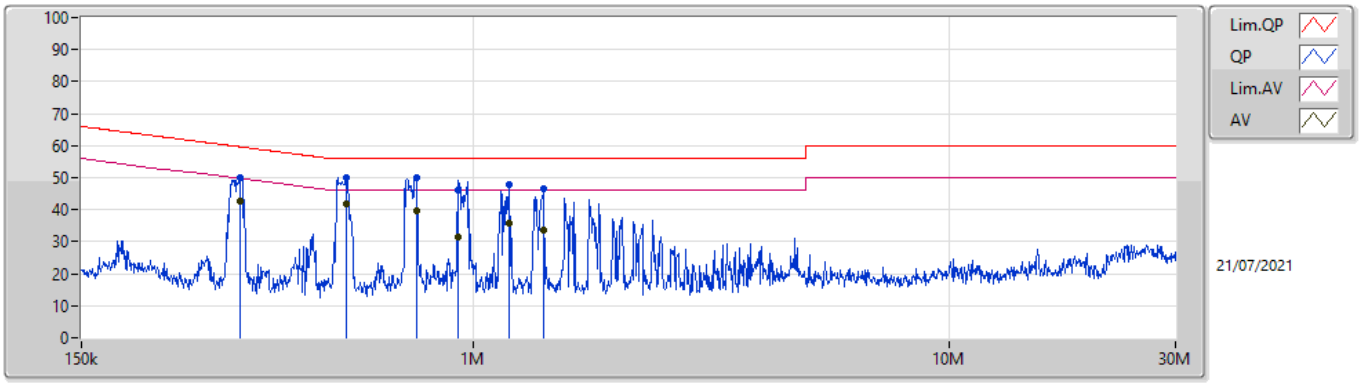
| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition | Comments |
|---|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | QP | 325.41k | 49.81 | 59.58 | -9.77 | Line | - |
| Mode 1 | Pass | AV | 325.41k | 41.99 | 49.58 | -7.59 | Line | - |
| Mode 1 | Pass | QP | 519.13k | 49.73 | 56.00 | -6.27 | Line | - |
| Mode 1 | Pass | AV | 519.13k | 40.36 | 46.00 | -5.64 | Line | - |
| Mode 1 | Pass | QP | 538.12k | 49.86 | 56.00 | -6.14 | Line | - |
| Mode 1 | Pass | AV | 538.12k | 41.20 | 46.00 | -4.80 | Line | - |
| Mode 1 | Pass | QP | 758.54k | 49.97 | 56.00 | -6.03 | Line | - |
| Mode 1 | Pass | AV | 758.54k | 39.32 | 46.00 | -6.68 | Line | - |
| Mode 1 | Pass | QP | 929.818k | 43.39 | 56.00 | -12.61 | Line | - |
| Mode 1 | Pass | AV | 929.818k | 28.25 | 46.00 | -17.75 | Line | - |
| Mode 1 | Pass | QP | 1.191M | 48.34 | 56.00 | -7.66 | Line | - |
| Mode 1 | Pass | AV | 1.191M | 35.75 | 46.00 | -10.25 | Line | - |
| Mode 1 | Pass | QP | 324.114k | 49.79 | 59.59 | -9.80 | Neutral | - |
| Mode 1 | Pass | AV | 324.114k | 42.83 | 49.59 | -6.76 | Neutral | - |
| Mode 1 | Pass | QP | 540.273k | 50.12 | 56.00 | -5.88 | Neutral | - |
| Mode 1 | Pass | AV | 540.273k | 41.64 | 46.00 | -4.36 | Neutral | - |
| Mode 1 | Pass | QP | 758.54k | 49.88 | 56.00 | -6.12 | Neutral | - |
| Mode 1 | Pass | AV | 758.54k | 39.74 | 46.00 | -6.26 | Neutral | - |
| Mode 1 | Pass | QP | 929.818k | 46.00 | 56.00 | -10.00 | Neutral | - |
| Mode 1 | Pass | AV | 929.818k | 31.41 | 46.00 | -14.59 | Neutral | - |
| Mode 1 | Pass | QP | 1.191M | 47.95 | 56.00 | -8.05 | Neutral | - |
| Mode 1 | Pass | AV | 1.191M | 35.96 | 46.00 | -10.04 | Neutral | - |
| Mode 1 | Pass | QP | 1.408M | 46.62 | 56.00 | -9.38 | Neutral | - |
| Mode 1 | Pass | AV | 1.408M | 33.80 | 46.00 | -12.20 | Neutral | - |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 325.41k | 49.81 | 59.58 | -9.77 | 19.62 | Line | - | 30.19 | 9.67 | 0.05 | 9.90 |
| AV | 325.41k | 41.99 | 49.58 | -7.59 | 19.62 | Line | - | 22.37 | 9.67 | 0.05 | 9.90 |
| QP | 519.13k | 49.73 | 56.00 | -6.27 | 19.61 | Line | - | 30.12 | 9.67 | 0.07 | 9.87 |
| AV | 519.13k | 40.36 | 46.00 | -5.64 | 19.61 | Line | - | 20.75 | 9.67 | 0.07 | 9.87 |
| QP | 538.12k | 49.86 | 56.00 | -6.14 | 19.61 | Line | - | 30.25 | 9.67 | 0.07 | 9.87 |
| AV | 538.12k | 41.20 | 46.00 | -4.80 | 19.61 | Line | - | 21.59 | 9.67 | 0.07 | 9.87 |
| QP | 758.54k | 49.97 | 56.00 | -6.03 | 19.57 | Line | - | 30.40 | 9.67 | 0.07 | 9.83 |
| AV | 758.54k | 39.32 | 46.00 | -6.68 | 19.57 | Line | - | 19.75 | 9.67 | 0.07 | 9.83 |
| QP | 929.818k | 43.39 | 56.00 | -12.61 | 19.56 | Line | - | 23.83 | 9.67 | 0.08 | 9.81 |
| AV | 929.818k | 28.25 | 46.00 | -17.75 | 19.56 | Line | - | 8.69 | 9.67 | 0.08 | 9.81 |
| QP | 1.191M | 48.34 | 56.00 | -7.66 | 19.56 | Line | - | 28.78 | 9.67 | 0.09 | 9.80 |
| AV | 1.191M | 35.75 | 46.00 | -10.25 | 19.56 | Line | - | 16.19 | 9.67 | 0.09 | 9.80 |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 324.114k | 49.79 | 59.59 | -9.80 | 19.62 | Neutral | - | 30.17 | 9.67 | 0.05 | 9.90 |
| AV | 324.114k | 42.83 | 49.59 | -6.76 | 19.62 | Neutral | - | 23.21 | 9.67 | 0.05 | 9.90 |
| QP | 540.273k | 50.12 | 56.00 | -5.88 | 19.61 | Neutral | - | 30.51 | 9.67 | 0.07 | 9.87 |
| AV | 540.273k | 41.64 | 46.00 | -4.36 | 19.61 | Neutral | - | 22.03 | 9.67 | 0.07 | 9.87 |
| QP | 758.54k | 49.88 | 56.00 | -6.12 | 19.57 | Neutral | - | 30.31 | 9.67 | 0.07 | 9.83 |
| AV | 758.54k | 39.74 | 46.00 | -6.26 | 19.57 | Neutral | - | 20.17 | 9.67 | 0.07 | 9.83 |
| QP | 929.818k | 46.00 | 56.00 | -10.00 | 19.56 | Neutral | - | 26.44 | 9.67 | 0.08 | 9.81 |
| AV | 929.818k | 31.41 | 46.00 | -14.59 | 19.56 | Neutral | - | 11.85 | 9.67 | 0.08 | 9.81 |
| QP | 1.191M | 47.95 | 56.00 | -8.05 | 19.56 | Neutral | - | 28.39 | 9.67 | 0.09 | 9.80 |
| AV | 1.191M | 35.96 | 46.00 | -10.04 | 19.56 | Neutral | - | 16.40 | 9.67 | 0.09 | 9.80 |
| QP | 1.408M | 46.62 | 56.00 | -9.38 | 19.56 | Neutral | - | 27.06 | 9.67 | 0.09 | 9.80 |
| AV | 1.408M | 33.80 | 46.00 | -12.20 | 19.56 | Neutral | - | 14.24 | 9.67 | 0.09 | 9.80 |

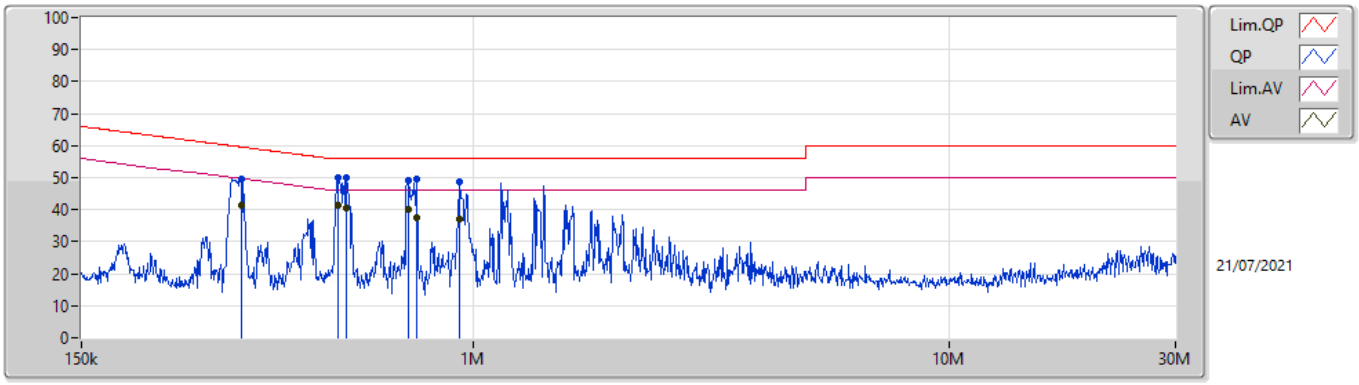
**Summary**

| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | AV | 519.13k | 41.25 | 46.00 | -4.75 | Line |

**Result**

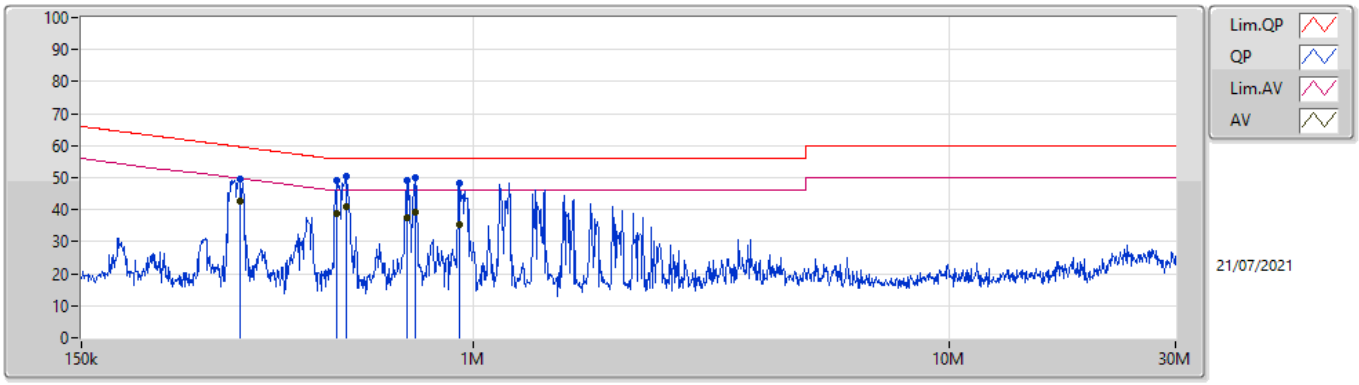
| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition | Comments |
|---|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | QP | 325.41k | 49.68 | 59.58 | -9.90 | Line | - |
| Mode 1 | Pass | AV | 325.41k | 41.27 | 49.58 | -8.31 | Line | - |
| Mode 1 | Pass | QP | 519.13k | 49.81 | 56.00 | -6.19 | Line | - |
| Mode 1 | Pass | AV | 519.13k | 41.25 | 46.00 | -4.75 | Line | - |
| Mode 1 | Pass | QP | 542.434k | 50.16 | 56.00 | -5.84 | Line | - |
| Mode 1 | Pass | AV | 542.434k | 40.40 | 46.00 | -5.60 | Line | - |
| Mode 1 | Pass | QP | 728.856k | 49.30 | 56.00 | -6.70 | Line | - |
| Mode 1 | Pass | AV | 728.856k | 39.90 | 46.00 | -6.10 | Line | - |
| Mode 1 | Pass | QP | 758.54k | 49.75 | 56.00 | -6.25 | Line | - |
| Mode 1 | Pass | AV | 758.54k | 37.55 | 46.00 | -8.45 | Line | - |
| Mode 1 | Pass | QP | 937.272k | 48.59 | 56.00 | -7.41 | Line | - |
| Mode 1 | Pass | AV | 937.272k | 36.98 | 46.00 | -9.02 | Line | - |
| Mode 1 | Pass | QP | 324.114k | 49.67 | 59.59 | -9.92 | Neutral | - |
| Mode 1 | Pass | AV | 324.114k | 42.86 | 49.59 | -6.73 | Neutral | - |
| Mode 1 | Pass | QP | 517.062k | 49.23 | 56.00 | -6.77 | Neutral | - |
| Mode 1 | Pass | AV | 517.062k | 38.81 | 46.00 | -7.19 | Neutral | - |
| Mode 1 | Pass | QP | 542.434k | 50.39 | 56.00 | -5.61 | Neutral | - |
| Mode 1 | Pass | AV | 542.434k | 41.13 | 46.00 | -4.87 | Neutral | - |
| Mode 1 | Pass | QP | 725.952k | 49.17 | 56.00 | -6.83 | Neutral | - |
| Mode 1 | Pass | AV | 725.952k | 37.48 | 46.00 | -8.52 | Neutral | - |
| Mode 1 | Pass | QP | 755.518k | 49.79 | 56.00 | -6.21 | Neutral | - |
| Mode 1 | Pass | AV | 755.518k | 39.26 | 46.00 | -6.74 | Neutral | - |
| Mode 1 | Pass | QP | 933.537k | 48.37 | 56.00 | -7.63 | Neutral | - |
| Mode 1 | Pass | AV | 933.537k | 35.38 | 46.00 | -10.62 | Neutral | - |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 325.41k | 49.68 | 59.58 | -9.90 | 19.62 | Line | - | 30.06 | 9.67 | 0.05 | 9.90 |
| AV | 325.41k | 41.27 | 49.58 | -8.31 | 19.62 | Line | - | 21.65 | 9.67 | 0.05 | 9.90 |
| QP | 519.13k | 49.81 | 56.00 | -6.19 | 19.61 | Line | - | 30.20 | 9.67 | 0.07 | 9.87 |
| AV | 519.13k | 41.25 | 46.00 | -4.75 | 19.61 | Line | - | 21.64 | 9.67 | 0.07 | 9.87 |
| QP | 542.434k | 50.16 | 56.00 | -5.84 | 19.61 | Line | - | 30.55 | 9.67 | 0.07 | 9.87 |
| AV | 542.434k | 40.40 | 46.00 | -5.60 | 19.61 | Line | - | 20.79 | 9.67 | 0.07 | 9.87 |
| QP | 728.856k | 49.30 | 56.00 | -6.70 | 19.57 | Line | - | 29.73 | 9.67 | 0.07 | 9.83 |
| AV | 728.856k | 39.90 | 46.00 | -6.10 | 19.57 | Line | - | 20.33 | 9.67 | 0.07 | 9.83 |
| QP | 758.54k | 49.75 | 56.00 | -6.25 | 19.57 | Line | - | 30.18 | 9.67 | 0.07 | 9.83 |
| AV | 758.54k | 37.55 | 46.00 | -8.45 | 19.57 | Line | - | 17.98 | 9.67 | 0.07 | 9.83 |
| QP | 937.272k | 48.59 | 56.00 | -7.41 | 19.56 | Line | - | 29.03 | 9.67 | 0.08 | 9.81 |
| AV | 937.272k | 36.98 | 46.00 | -9.02 | 19.56 | Line | - | 17.42 | 9.67 | 0.08 | 9.81 |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 324.114k | 49.67 | 59.59 | -9.92 | 19.62 | Neutral | - | 30.05 | 9.67 | 0.05 | 9.90 |
| AV | 324.114k | 42.86 | 49.59 | -6.73 | 19.62 | Neutral | - | 23.24 | 9.67 | 0.05 | 9.90 |
| QP | 517.062k | 49.23 | 56.00 | -6.77 | 19.61 | Neutral | - | 29.62 | 9.67 | 0.07 | 9.87 |
| AV | 517.062k | 38.81 | 46.00 | -7.19 | 19.61 | Neutral | - | 19.20 | 9.67 | 0.07 | 9.87 |
| QP | 542.434k | 50.39 | 56.00 | -5.61 | 19.61 | Neutral | - | 30.78 | 9.67 | 0.07 | 9.87 |
| AV | 542.434k | 41.13 | 46.00 | -4.87 | 19.61 | Neutral | - | 21.52 | 9.67 | 0.07 | 9.87 |
| QP | 725.952k | 49.17 | 56.00 | -6.83 | 19.57 | Neutral | - | 29.60 | 9.67 | 0.07 | 9.83 |
| AV | 725.952k | 37.48 | 46.00 | -8.52 | 19.57 | Neutral | - | 17.91 | 9.67 | 0.07 | 9.83 |
| QP | 755.518k | 49.79 | 56.00 | -6.21 | 19.57 | Neutral | - | 30.22 | 9.67 | 0.07 | 9.83 |
| AV | 755.518k | 39.26 | 46.00 | -6.74 | 19.57 | Neutral | - | 19.69 | 9.67 | 0.07 | 9.83 |
| QP | 933.537k | 48.37 | 56.00 | -7.63 | 19.56 | Neutral | - | 28.81 | 9.67 | 0.08 | 9.81 |
| AV | 933.537k | 35.38 | 46.00 | -10.62 | 19.56 | Neutral | - | 15.82 | 9.67 | 0.08 | 9.81 |

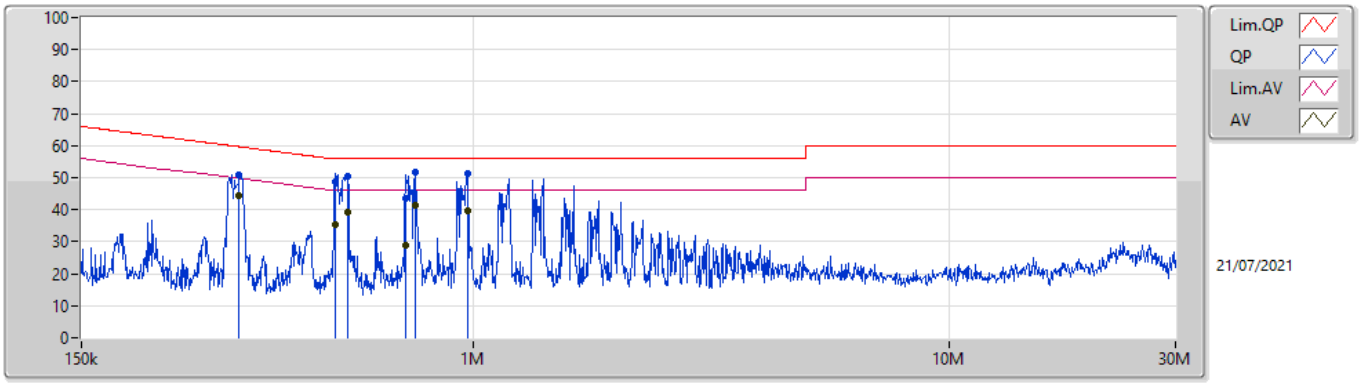
**Summary**

| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | AV | 540.316k | 42.48 | 46.00 | -3.52 | Neutral |

**Result**

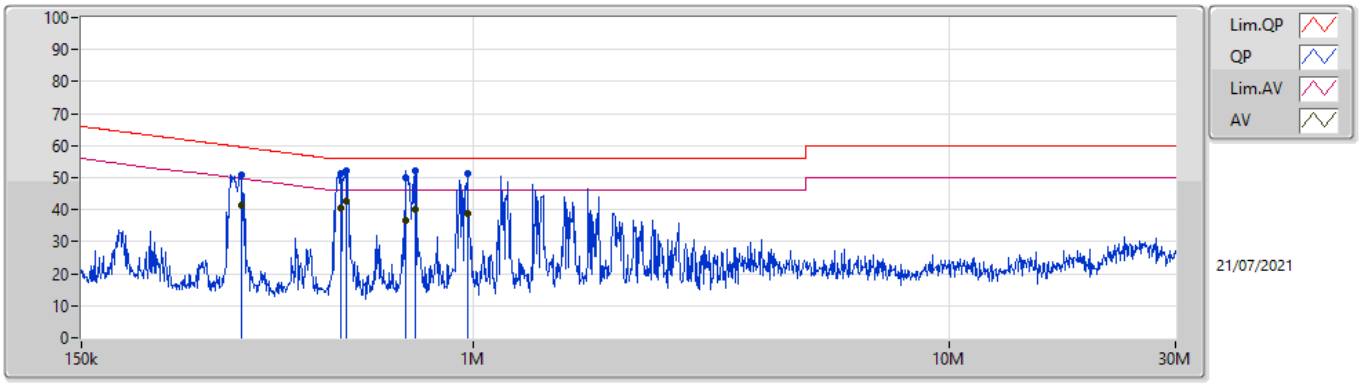
| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition | Comments |
|---|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | QP | 321.537k | 51.06 | 59.67 | -8.61 | Line | - |
| Mode 1 | Pass | AV | 321.537k | 44.49 | 49.67 | -5.18 | Line | - |
| Mode 1 | Pass | QP | 512.95k | 48.76 | 56.00 | -7.24 | Line | - |
| Mode 1 | Pass | AV | 512.95k | 35.22 | 46.00 | -10.78 | Line | - |
| Mode 1 | Pass | QP | 544.604k | 50.27 | 56.00 | -5.73 | Line | - |
| Mode 1 | Pass | AV | 544.604k | 39.06 | 46.00 | -6.94 | Line | - |
| Mode 1 | Pass | QP | 720.179k | 43.51 | 56.00 | -12.49 | Line | - |
| Mode 1 | Pass | AV | 720.179k | 28.91 | 46.00 | -17.09 | Line | - |
| Mode 1 | Pass | QP | 755.518k | 51.77 | 56.00 | -4.23 | Line | - |
| Mode 1 | Pass | AV | 755.518k | 41.30 | 46.00 | -4.70 | Line | - |
| Mode 1 | Pass | QP | 971.558k | 51.17 | 56.00 | -4.83 | Line | - |
| Mode 1 | Pass | AV | 971.558k | 39.56 | 46.00 | -6.44 | Line | - |
| Mode 1 | Pass | QP | 326.01k | 51.00 | 59.56 | -8.56 | Neutral | - |
| Mode 1 | Pass | AV | 326.01k | 41.56 | 49.56 | -8.00 | Neutral | - |
| Mode 1 | Pass | QP | 525.84k | 51.19 | 56.00 | -4.81 | Neutral | - |
| Mode 1 | Pass | AV | 525.84k | 40.61 | 46.00 | -5.39 | Neutral | - |
| Mode 1 | Pass | QP | 540.316k | 52.29 | 56.00 | -3.71 | Neutral | - |
| Mode 1 | Pass | AV | 540.316k | 42.48 | 46.00 | -3.52 | Neutral | - |
| Mode 1 | Pass | QP | 720.25k | 49.89 | 56.00 | -6.11 | Neutral | - |
| Mode 1 | Pass | AV | 720.25k | 36.61 | 46.00 | -9.39 | Neutral | - |
| Mode 1 | Pass | QP | 757.352k | 51.98 | 56.00 | -4.02 | Neutral | - |
| Mode 1 | Pass | AV | 757.352k | 40.16 | 46.00 | -5.84 | Neutral | - |
| Mode 1 | Pass | QP | 973.658k | 51.33 | 56.00 | -4.67 | Neutral | - |
| Mode 1 | Pass | AV | 973.658k | 38.74 | 46.00 | -7.26 | Neutral | - |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 321.537k | 51.06 | 59.67 | -8.61 | 19.62 | Line | - | 31.44 | 9.67 | 0.05 | 9.90 |
| AV | 321.537k | 44.49 | 49.67 | -5.18 | 19.62 | Line | - | 24.87 | 9.67 | 0.05 | 9.90 |
| QP | 512.95k | 48.76 | 56.00 | -7.24 | 19.61 | Line | - | 29.15 | 9.67 | 0.07 | 9.87 |
| AV | 512.95k | 35.22 | 46.00 | -10.78 | 19.61 | Line | - | 15.61 | 9.67 | 0.07 | 9.87 |
| QP | 544.604k | 50.27 | 56.00 | -5.73 | 19.61 | Line | - | 30.66 | 9.67 | 0.07 | 9.87 |
| AV | 544.604k | 39.06 | 46.00 | -6.94 | 19.61 | Line | - | 19.45 | 9.67 | 0.07 | 9.87 |
| QP | 720.179k | 43.51 | 56.00 | -12.49 | 19.58 | Line | - | 23.93 | 9.67 | 0.07 | 9.84 |
| AV | 720.179k | 28.91 | 46.00 | -17.09 | 19.58 | Line | - | 9.33 | 9.67 | 0.07 | 9.84 |
| QP | 755.518k | 51.77 | 56.00 | -4.23 | 19.57 | Line | - | 32.20 | 9.67 | 0.07 | 9.83 |
| AV | 755.518k | 41.30 | 46.00 | -4.70 | 19.57 | Line | - | 21.73 | 9.67 | 0.07 | 9.83 |
| QP | 971.558k | 51.17 | 56.00 | -4.83 | 19.55 | Line | - | 31.62 | 9.67 | 0.08 | 9.80 |
| AV | 971.558k | 39.56 | 46.00 | -6.44 | 19.55 | Line | - | 20.01 | 9.67 | 0.08 | 9.80 |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 326.01k | 51.00 | 59.56 | -8.56 | 19.62 | Neutral | - | 31.38 | 9.67 | 0.05 | 9.90 |
| AV | 326.01k | 41.56 | 49.56 | -8.00 | 19.62 | Neutral | - | 21.94 | 9.67 | 0.05 | 9.90 |
| QP | 525.84k | 51.19 | 56.00 | -4.81 | 19.61 | Neutral | - | 31.58 | 9.67 | 0.07 | 9.87 |
| AV | 525.84k | 40.61 | 46.00 | -5.39 | 19.61 | Neutral | - | 21.00 | 9.67 | 0.07 | 9.87 |
| QP | 540.316k | 52.29 | 56.00 | -3.71 | 19.61 | Neutral | - | 32.68 | 9.67 | 0.07 | 9.87 |
| AV | 540.316k | 42.48 | 46.00 | -3.52 | 19.61 | Neutral | - | 22.87 | 9.67 | 0.07 | 9.87 |
| QP | 720.25k | 49.89 | 56.00 | -6.11 | 19.58 | Neutral | - | 30.31 | 9.67 | 0.07 | 9.84 |
| AV | 720.25k | 36.61 | 46.00 | -9.39 | 19.58 | Neutral | - | 17.03 | 9.67 | 0.07 | 9.84 |
| QP | 757.352k | 51.98 | 56.00 | -4.02 | 19.57 | Neutral | - | 32.41 | 9.67 | 0.07 | 9.83 |
| AV | 757.352k | 40.16 | 46.00 | -5.84 | 19.57 | Neutral | - | 20.59 | 9.67 | 0.07 | 9.83 |
| QP | 973.658k | 51.33 | 56.00 | -4.67 | 19.55 | Neutral | - | 31.78 | 9.67 | 0.08 | 9.80 |
| AV | 973.658k | 38.74 | 46.00 | -7.26 | 19.55 | Neutral | - | 19.19 | 9.67 | 0.08 | 9.80 |

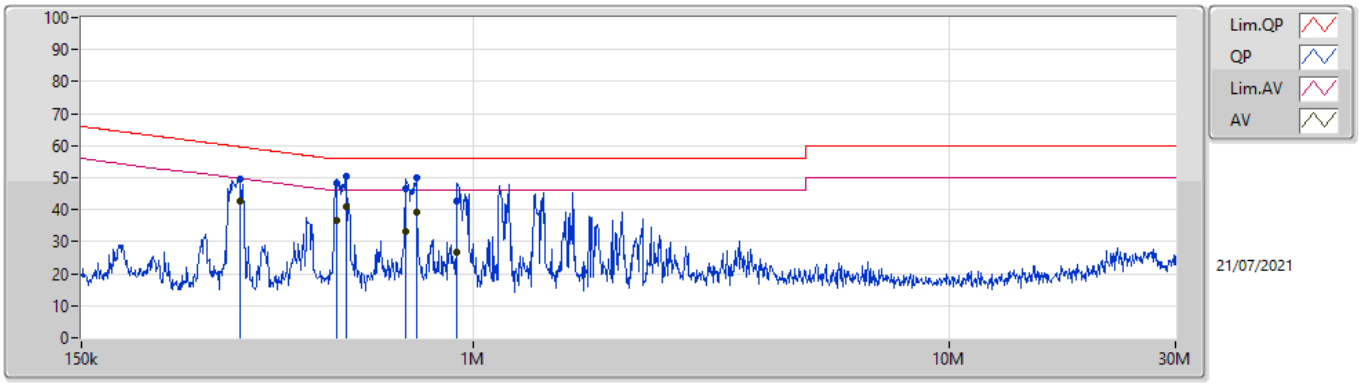
**Summary**

| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | AV | 521.206k | 41.10 | 46.00 | -4.90 | Neutral |

**Result**

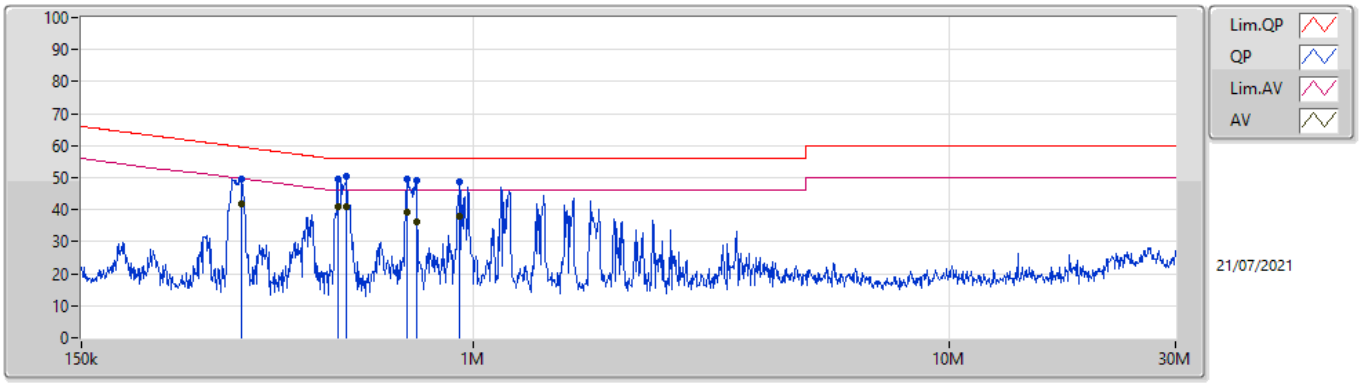
| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition | Comments |
|---|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | QP | 322.823k | 49.56 | 59.63 | -10.07 | Line | - |
| Mode 1 | Pass | AV | 322.823k | 42.84 | 49.63 | -6.79 | Line | - |
| Mode 1 | Pass | QP | 515.002k | 48.14 | 56.00 | -7.86 | Line | - |
| Mode 1 | Pass | AV | 515.002k | 36.75 | 46.00 | -9.25 | Line | - |
| Mode 1 | Pass | QP | 542.434k | 50.33 | 56.00 | -5.67 | Line | - |
| Mode 1 | Pass | AV | 542.434k | 40.84 | 46.00 | -5.16 | Line | - |
| Mode 1 | Pass | QP | 723.06k | 46.58 | 56.00 | -9.42 | Line | - |
| Mode 1 | Pass | AV | 723.06k | 33.33 | 46.00 | -12.67 | Line | - |
| Mode 1 | Pass | QP | 758.54k | 49.87 | 56.00 | -6.13 | Line | - |
| Mode 1 | Pass | AV | 758.54k | 39.01 | 46.00 | -6.99 | Line | - |
| Mode 1 | Pass | QP | 926.114k | 42.78 | 56.00 | -13.22 | Line | - |
| Mode 1 | Pass | AV | 926.114k | 26.52 | 46.00 | -19.48 | Line | - |
| Mode 1 | Pass | QP | 325.41k | 49.78 | 59.58 | -9.80 | Neutral | - |
| Mode 1 | Pass | AV | 325.41k | 41.86 | 49.58 | -7.72 | Neutral | - |
| Mode 1 | Pass | QP | 521.206k | 49.59 | 56.00 | -6.41 | Neutral | - |
| Mode 1 | Pass | AV | 521.206k | 41.10 | 46.00 | -4.90 | Neutral | - |
| Mode 1 | Pass | QP | 542.434k | 50.41 | 56.00 | -5.59 | Neutral | - |
| Mode 1 | Pass | AV | 542.434k | 40.75 | 46.00 | -5.25 | Neutral | - |
| Mode 1 | Pass | QP | 725.952k | 49.57 | 56.00 | -6.43 | Neutral | - |
| Mode 1 | Pass | AV | 725.952k | 39.14 | 46.00 | -6.86 | Neutral | - |
| Mode 1 | Pass | QP | 758.54k | 49.28 | 56.00 | -6.72 | Neutral | - |
| Mode 1 | Pass | AV | 758.54k | 36.01 | 46.00 | -9.99 | Neutral | - |
| Mode 1 | Pass | QP | 933.537k | 48.83 | 56.00 | -7.17 | Neutral | - |
| Mode 1 | Pass | AV | 933.537k | 38.06 | 46.00 | -7.94 | Neutral | - |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 322.823k | 49.56 | 59.63 | -10.07 | 19.62 | Line | - | 29.94 | 9.67 | 0.05 | 9.90 |
| AV | 322.823k | 42.84 | 49.63 | -6.79 | 19.62 | Line | - | 23.22 | 9.67 | 0.05 | 9.90 |
| QP | 515.002k | 48.14 | 56.00 | -7.86 | 19.61 | Line | - | 28.53 | 9.67 | 0.07 | 9.87 |
| AV | 515.002k | 36.75 | 46.00 | -9.25 | 19.61 | Line | - | 17.14 | 9.67 | 0.07 | 9.87 |
| QP | 542.434k | 50.33 | 56.00 | -5.67 | 19.61 | Line | - | 30.72 | 9.67 | 0.07 | 9.87 |
| AV | 542.434k | 40.84 | 46.00 | -5.16 | 19.61 | Line | - | 21.23 | 9.67 | 0.07 | 9.87 |
| QP | 723.06k | 46.58 | 56.00 | -9.42 | 19.58 | Line | - | 27.00 | 9.67 | 0.07 | 9.84 |
| AV | 723.06k | 33.33 | 46.00 | -12.67 | 19.58 | Line | - | 13.75 | 9.67 | 0.07 | 9.84 |
| QP | 758.54k | 49.87 | 56.00 | -6.13 | 19.57 | Line | - | 30.30 | 9.67 | 0.07 | 9.83 |
| AV | 758.54k | 39.01 | 46.00 | -6.99 | 19.57 | Line | - | 19.44 | 9.67 | 0.07 | 9.83 |
| QP | 926.114k | 42.78 | 56.00 | -13.22 | 19.56 | Line | - | 23.22 | 9.67 | 0.08 | 9.81 |
| AV | 926.114k | 26.52 | 46.00 | -19.48 | 19.56 | Line | - | 6.96 | 9.67 | 0.08 | 9.81 |

## Conducted Emissions at Powerline_Mode 1




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 325.41k | 49.78 | 59.58 | -9.80 | 19.62 | Neutral | - | 30.16 | 9.67 | 0.05 | 9.90 |
| AV | 325.41k | 41.86 | 49.58 | -7.72 | 19.62 | Neutral | - | 22.24 | 9.67 | 0.05 | 9.90 |
| QP | 521.206k | 49.59 | 56.00 | -6.41 | 19.61 | Neutral | - | 29.98 | 9.67 | 0.07 | 9.87 |
| AV | 521.206k | 41.10 | 46.00 | -4.90 | 19.61 | Neutral | - | 21.49 | 9.67 | 0.07 | 9.87 |
| QP | 542.434k | 50.41 | 56.00 | -5.59 | 19.61 | Neutral | - | 30.80 | 9.67 | 0.07 | 9.87 |
| AV | 542.434k | 40.75 | 46.00 | -5.25 | 19.61 | Neutral | - | 21.14 | 9.67 | 0.07 | 9.87 |
| QP | 725.952k | 49.57 | 56.00 | -6.43 | 19.57 | Neutral | - | 30.00 | 9.67 | 0.07 | 9.83 |
| AV | 725.952k | 39.14 | 46.00 | -6.86 | 19.57 | Neutral | - | 19.57 | 9.67 | 0.07 | 9.83 |
| QP | 758.54k | 49.28 | 56.00 | -6.72 | 19.57 | Neutral | - | 29.71 | 9.67 | 0.07 | 9.83 |
| AV | 758.54k | 36.01 | 46.00 | -9.99 | 19.57 | Neutral | - | 16.44 | 9.67 | 0.07 | 9.83 |
| QP | 933.537k | 48.83 | 56.00 | -7.17 | 19.56 | Neutral | - | 29.27 | 9.67 | 0.08 | 9.81 |
| AV | 933.537k | 38.06 | 46.00 | -7.94 | 19.56 | Neutral | - | 18.50 | 9.67 | 0.08 | 9.81 |

**Summary**

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 24.69M | 16.942M | 16M9D1D | 23.01M | 16.702M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 25.53M | 19.07M | 19M1D1D | 24.33M | 18.951M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 42.78M | 38.141M | 38M1D1D | 42.18M | 37.901M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 81.84M | 77.841M | 77M8D1D | 81.12M | 77.721M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 24.66M | 16.942M | 16M9D1D | 23.01M | 16.702M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 28.5M | 19.1M | 19M1D1D | 23.52M | 19.01M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 63.24M | 38.201M | 38M2D1D | 42.48M | 37.961M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 82.08M | 77.721M | 77M7D1D | 81.84M | 77.721M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 25.11M | 17.001M | 17M0D1D | 16.198M | 13.441M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 27.69M | 19.1M | 19M1D1D | 16.844M | 14.526M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 60.18M | 38.141M | 38M1D1D | 36.146M | 33.902M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 89.68M | 77.841M | 77M8D1D | 75.741M | 73.566M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 16.35M | 26.417M | 26M4D1D | 3.135M | 4.108M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 19.02M | 32.684M | 32M7D1D | 4.47M | 4.603M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 37.98M | 66.927M | 66M9D1D | 3.9M | 4.108M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 77.64M | 79.16M | 79M2D1D | 3.33M | 4.063M |

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

## Result

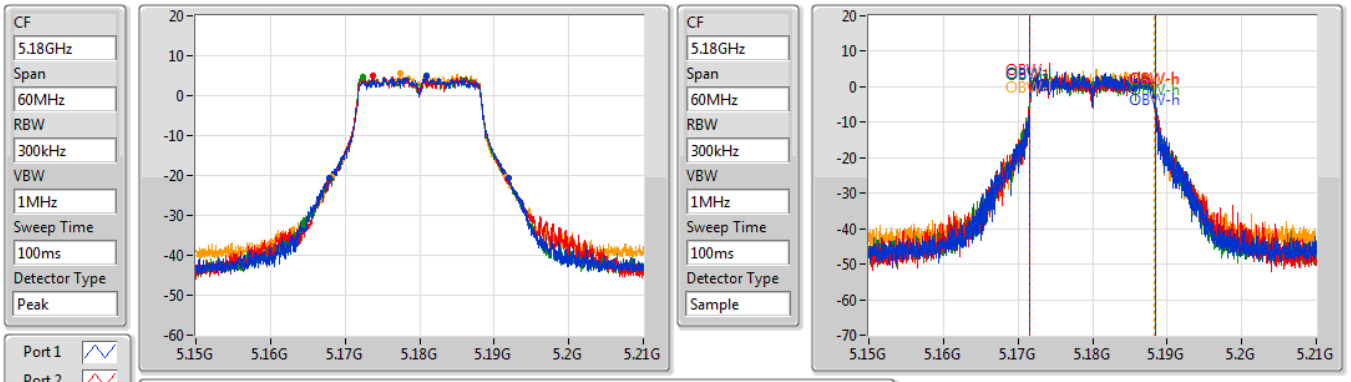
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 24.09M | 16.792M | 24.03M | 16.852M | 23.67M | 16.912M | 23.37M | 16.762M |
| 5200MHz | Pass | Inf | 24.09M | 16.822M | 24.69M | 16.822M | 24.45M | 16.942M | 23.01M | 16.852M |
| 5240MHz | Pass | Inf | 24.27M | 16.852M | 23.79M | 16.852M | 23.4M | 16.792M | 24.66M | 16.702M |
| 5260MHz | Pass | Inf | 23.46M | 16.822M | 23.01M | 16.882M | 24.66M | 16.912M | 24M | 16.852M |
| 5300MHz | Pass | Inf | 23.31M | 16.702M | 23.91M | 16.912M | 23.67M | 16.942M | 23.94M | 16.822M |
| 5320MHz | Pass | Inf | 23.64M | 16.732M | 23.91M | 16.792M | 23.76M | 16.882M | 23.46M | 16.762M |
| 5500MHz | Pass | Inf | 23.52M | 16.792M | 23.67M | 17.001M | 25.11M | 16.852M | 23.64M | 16.792M |
| 5580MHz | Pass | Inf | 23.34M | 16.702M | 23.88M | 16.642M | 23.73M | 16.822M | 24.48M | 16.642M |
| 5700MHz | Pass | Inf | 24.27M | 16.972M | 23.73M | 16.762M | 23.94M | 16.972M | 24.33M | 16.852M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.198M | 13.523M | 17.215M | 13.441M | 16.335M | 13.455M | 16.555M | 13.496M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.135M | 4.108M | 3.135M | 4.573M | 3.15M | 4.258M | 3.15M | 4.303M |
| 5745MHz | Pass | 500k | 16.32M | 19.13M | 16.32M | 26.417M | 16.35M | 21.349M | 16.32M | 24.828M |
| 5785MHz | Pass | 500k | 16.05M | 18.951M | 16.08M | 24.288M | 16.08M | 20.84M | 16.32M | 24.318M |
| 5825MHz | Pass | 500k | 16.32M | 18.741M | 16.29M | 23.388M | 16.32M | 20.48M | 16.35M | 24.408M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 24.9M | 19.04M | 25.53M | 19.07M | 25.08M | 19.04M | 25.32M | 19.07M |
| 5200MHz | Pass | Inf | 25.26M | 19.04M | 24.45M | 19.01M | 25.38M | 19.04M | 24.54M | 19.04M |
| 5240MHz | Pass | Inf | 24.66M | 19.04M | 24.33M | 18.951M | 24.93M | 19.04M | 24.48M | 19.07M |
| 5260MHz | Pass | Inf | 24.99M | 19.04M | 25.74M | 19.07M | 26.37M | 19.1M | 25.41M | 19.07M |
| 5300MHz | Pass | Inf | 24.96M | 19.04M | 28.08M | 19.07M | 24.99M | 19.04M | 28.5M | 19.1M |
| 5320MHz | Pass | Inf | 23.55M | 19.04M | 25.2M | 19.07M | 23.52M | 19.07M | 25.47M | 19.01M |
| 5500MHz | Pass | Inf | 24.69M | 19.04M | 25.08M | 19.1M | 27.69M | 19.01M | 25.11M | 19.04M |
| 5580MHz | Pass | Inf | 24.6M | 19.1M | 24M | 19.04M | 25.26M | 19.04M | 23.49M | 19.01M |
| 5700MHz | Pass | Inf | 24.81M | 19.07M | 24.81M | 19.01M | 24.75M | 19.01M | 24.87M | 19.04M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.899M | 14.54M | 16.844M | 14.54M | 17.146M | 14.526M | 16.899M | 14.54M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.485M | 4.618M | 4.515M | 4.648M | 4.5M | 4.603M | 4.47M | 4.603M |
| 5745MHz | Pass | 500k | 18.78M | 23.718M | 18.78M | 32.684M | 18.84M | 25.277M | 18.96M | 29.595M |
| 5785MHz | Pass | 500k | 18.78M | 22.789M | 18.96M | 31.214M | 18.87M | 26.267M | 18.9M | 31.274M |
| 5825MHz | Pass | 500k | 19.02M | 23.088M | 18.75M | 28.816M | 18.84M | 25.277M | 18.78M | 29.895M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | Inf | 42.3M | 37.901M | 42.18M | 38.081M | 42.78M | 38.021M | 42.24M | 38.021M |
| 5230MHz | Pass | Inf | 42.66M | 38.141M | 42.36M | 37.901M | 42.72M | 38.021M | 42.36M | 38.081M |
| 5270MHz | Pass | Inf | 42.96M | 38.081M | 42.9M | 38.081M | 63.24M | 38.201M | 42.72M | 38.081M |
| 5310MHz | Pass | Inf | 42.48M | 38.021M | 42.66M | 38.021M | 42.54M | 38.201M | 42.66M | 37.961M |
| 5510MHz | Pass | Inf | 42.18M | 37.961M | 41.94M | 37.961M | 42.36M | 38.021M | 42M | 37.961M |
| 5550MHz | Pass | Inf | 42.36M | 38.021M | 42.6M | 37.961M | 49.5M | 38.021M | 42.72M | 38.021M |
| 5670MHz | Pass | Inf | 42.3M | 37.961M | 42.54M | 38.021M | 60.18M | 38.081M | 57.18M | 38.141M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 36.214M | 33.902M | 46.676M | 33.969M | 36.146M | 33.936M | 36.214M | 33.936M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.02M | 4.108M | 3.9M | 4.333M | 4.02M | 4.168M | 3.96M | 4.243M |
| 5755MHz | Pass | 500k | 37.68M | 38.981M | 37.92M | 50.675M | 37.92M | 41.739M | 37.92M | 46.357M |
| 5795MHz | Pass | 500k | 37.86M | 62.549M | 37.62M | 66.327M | 37.98M | 66.927M | 37.62M | 62.309M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | Inf | 81.12M | 77.841M | 81.36M | 77.841M | 81.24M | 77.841M | 81.84M | 77.721M |
| 5290MHz | Pass | Inf | 82.08M | 77.721M | 81.84M | 77.721M | 81.84M | 77.721M | 81.84M | 77.721M |
| 5530MHz | Pass | Inf | 84M | 77.721M | 81.72M | 77.721M | 84.48M | 77.721M | 81.6M | 77.601M |
| 5610MHz | Pass | Inf | 81.36M | 77.481M | 81.96M | 77.601M | 81.48M | 77.841M | 81.84M | 77.721M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 77.29M | 73.566M | 75.741M | 73.566M | 89.68M | 73.639M | 86.804M | 73.639M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.72M | 4.063M | 3.33M | 4.168M | 3.75M | 7.256M | 3.69M | 6.477M |
| 5775MHz | Pass | 500k | 77.16M | 78.321M | 76.32M | 78.681M | 77.64M | 78.561M | 76.8M | 79.16M |

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

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5180MHz

16/07/2021

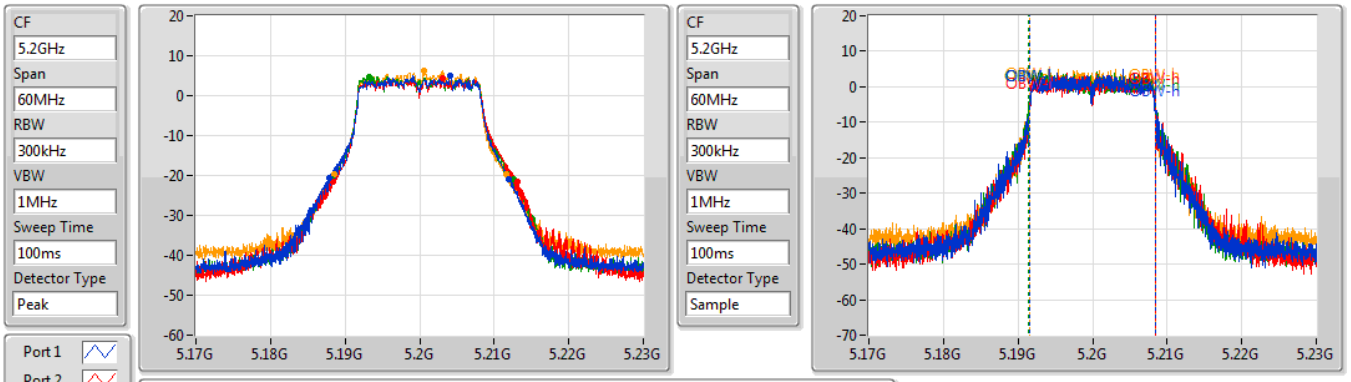



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.09M | 5.16782G | 5.19191G | 16.792M | 5.171604G | 5.188396G | Inf | 1 |
| 24.03M | 5.16782G | 5.19185G | 16.852M | 5.171514G | 5.188366G | Inf | 2 |
| 23.67M | 5.16809G | 5.19176G | 16.912M | 5.171484G | 5.188396G | Inf | 3 |
| 23.37M | 5.16818G | 5.19155G | 16.762M | 5.171574G | 5.188336G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5200MHz

16/07/2021

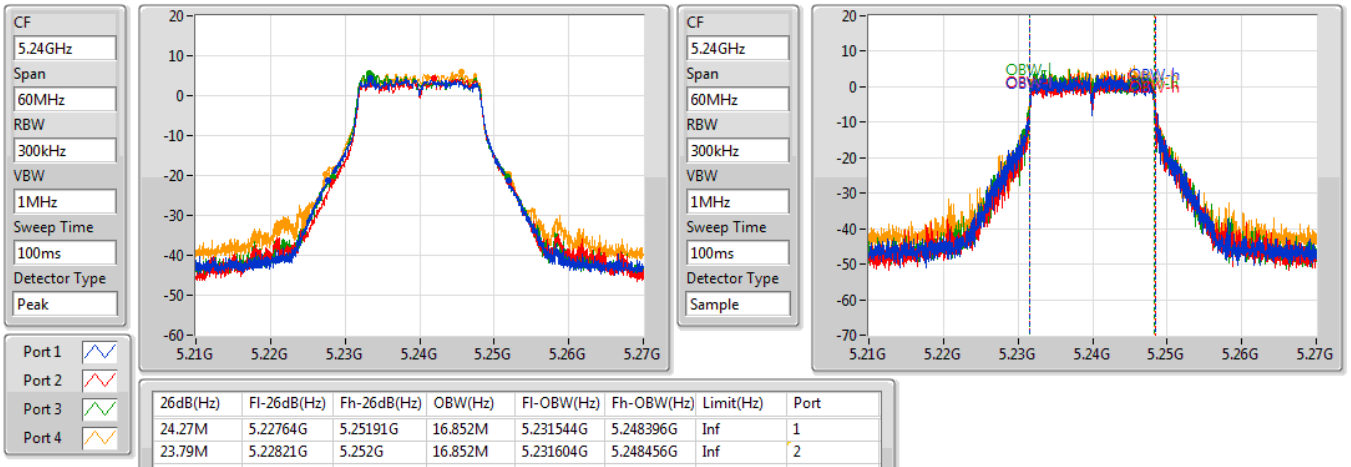



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.09M | 5.18794G | 5.21203G | 16.822M | 5.191574G | 5.208396G | Inf | 1 |
| 24.69M | 5.18836G | 5.21305G | 16.822M | 5.191544G | 5.208366G | Inf | 2 |
| 24.45M | 5.18821G | 5.21266G | 16.942M | 5.191454G | 5.208396G | Inf | 3 |
| 23.01M | 5.18863G | 5.21164G | 16.852M | 5.191514G | 5.208366G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5240MHz

16/07/2021

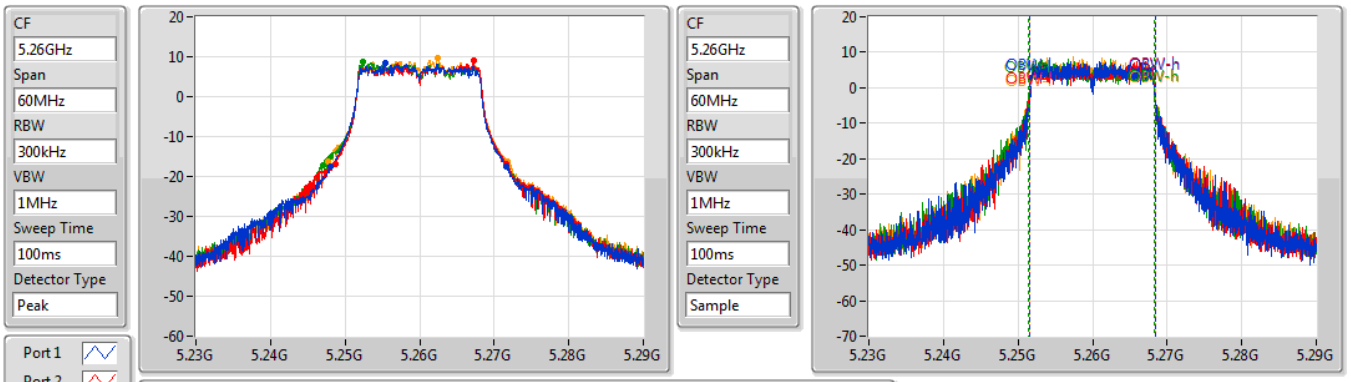



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.27M | 5.22764G | 5.25191G | 16.852M | 5.231544G | 5.248396G | Inf | 1 |
| 23.79M | 5.22821G | 5.252G | 16.852M | 5.231604G | 5.248456G | Inf | 2 |
| 23.4M | 5.22836G | 5.25176G | 16.792M | 5.231544G | 5.248336G | Inf | 3 |
| 24.66M | 5.22737G | 5.25203G | 16.702M | 5.231574G | 5.248276G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5260MHz

16/03/2021

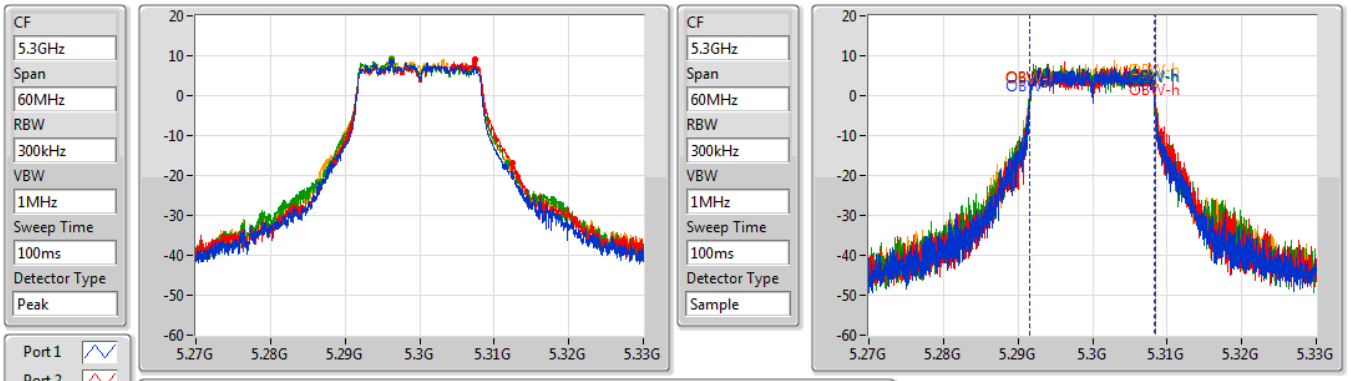



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.46M | 5.24809G | 5.27155G | 16.822M | 5.251544G | 5.268366G | Inf | 1 |
| 23.01M | 5.24866G | 5.27167G | 16.882M | 5.251514G | 5.268396G | Inf | 2 |
| 24.66M | 5.24698G | 5.27164G | 16.912M | 5.251424G | 5.268336G | Inf | 3 |
| 24M | 5.24776G | 5.27176G | 16.852M | 5.251514G | 5.268366G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5300MHz

16/03/2021

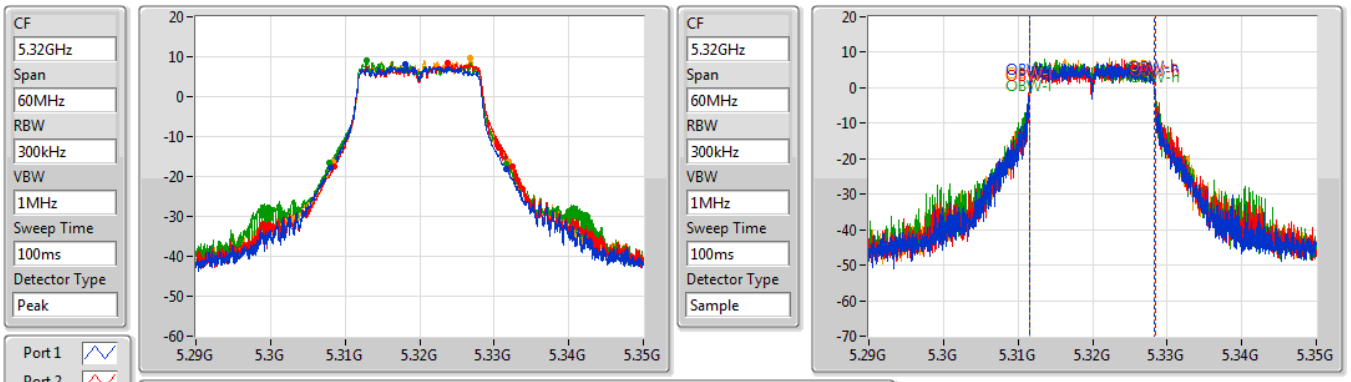



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.31M | 5.28815G | 5.31146G | 16.702M | 5.291604G | 5.308306G | Inf | 1 |
| 23.91M | 5.28848G | 5.31239G | 16.912M | 5.291574G | 5.308486G | Inf | 2 |
| 23.67M | 5.28818G | 5.31185G | 16.942M | 5.291484G | 5.308426G | Inf | 3 |
| 23.94M | 5.28776G | 5.3117G | 16.822M | 5.291544G | 5.308366G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5320MHz

16/03/2021

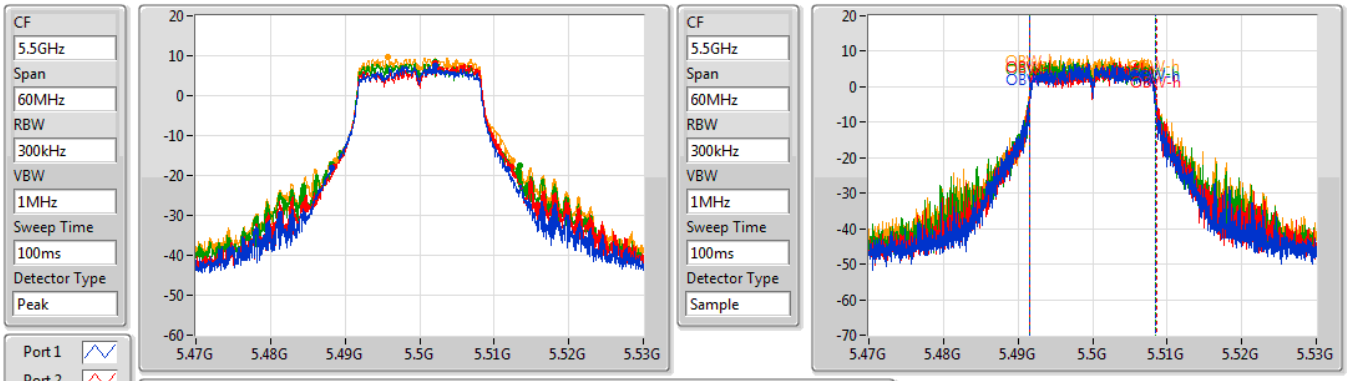



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.64M | 5.30803G | 5.33167G | 16.732M | 5.311574G | 5.328306G | Inf | 1 |
| 23.91M | 5.30857G | 5.33248G | 16.792M | 5.311574G | 5.328366G | Inf | 2 |
| 23.76M | 5.30791G | 5.33167G | 16.882M | 5.311484G | 5.328366G | Inf | 3 |
| 23.46M | 5.30842G | 5.33188G | 16.762M | 5.311574G | 5.328336G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5500MHz

16/03/2021

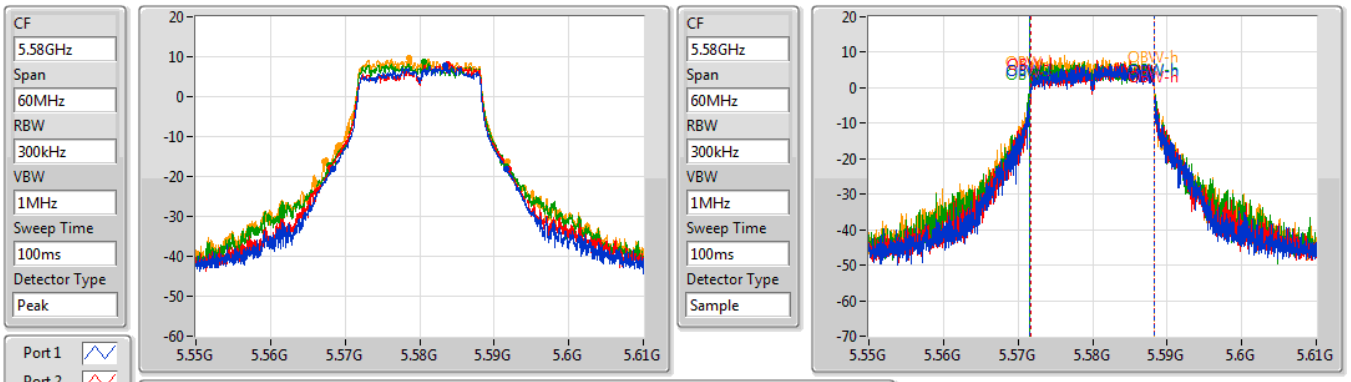



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.52M | 5.48821G | 5.51173G | 16.792M | 5.491574G | 5.508366G | Inf | 1 |
| 23.67M | 5.48857G | 5.51224G | 17.001M | 5.491544G | 5.508546G | Inf | 2 |
| 25.11M | 5.4883G | 5.51341G | 16.852M | 5.491604G | 5.508456G | Inf | 3 |
| 23.64M | 5.48875G | 5.51239G | 16.792M | 5.491634G | 5.508426G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5580MHz

16/03/2021

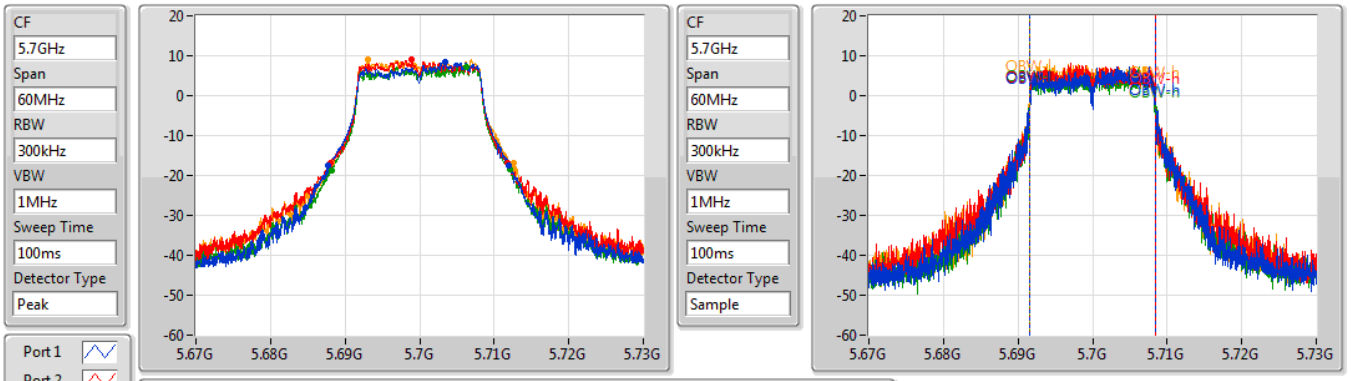



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.34M | 5.56833G | 5.59167G | 16.702M | 5.571604G | 5.588306G | Inf | 1 |
| 23.88M | 5.56809G | 5.59197G | 16.642M | 5.571694G | 5.588336G | Inf | 2 |
| 23.73M | 5.56794G | 5.59167G | 16.822M | 5.571514G | 5.588336G | Inf | 3 |
| 24.48M | 5.56722G | 5.5917G | 16.642M | 5.571604G | 5.588246G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5700MHz

16/03/2021

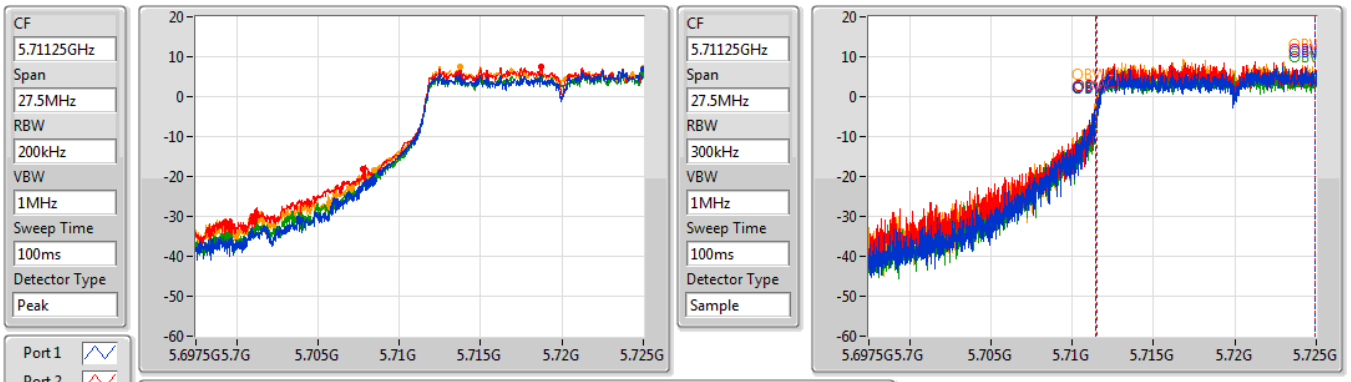



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.27M | 5.68776G | 5.71203G | 16.972M | 5.691514G | 5.708486G | Inf | 1 |
| 23.73M | 5.68809G | 5.71182G | 16.762M | 5.691604G | 5.708366G | Inf | 2 |
| 23.94M | 5.68821G | 5.71215G | 16.972M | 5.691544G | 5.708516G | Inf | 3 |
| 24.33M | 5.68824G | 5.71257G | 16.852M | 5.691544G | 5.708396G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5720MHz Straddle 5.47-5.725GHz

16/03/2021

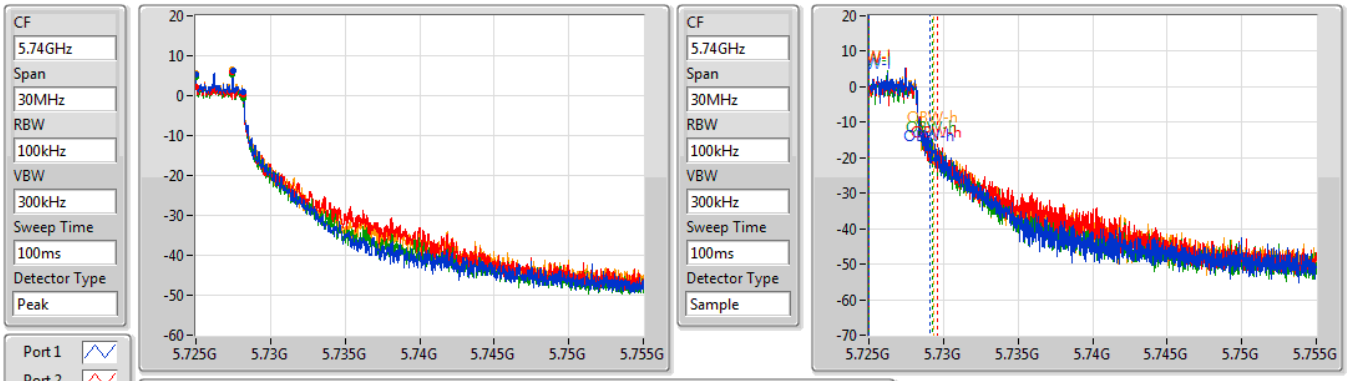



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.198M | 5.708803G | 5.725G | 13.523M | 5.711415G | 5.724938G | Inf | 1 |
| 17.215M | 5.707785G | 5.725G | 13.441M | 5.711511G | 5.724952G | Inf | 2 |
| 16.335M | 5.708665G | 5.725G | 13.455M | 5.71147G | 5.724924G | Inf | 3 |
| 16.555M | 5.708445G | 5.725G | 13.496M | 5.711442G | 5.724938G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5720MHz Straddle 5.725-5.85GHz

16/03/2021

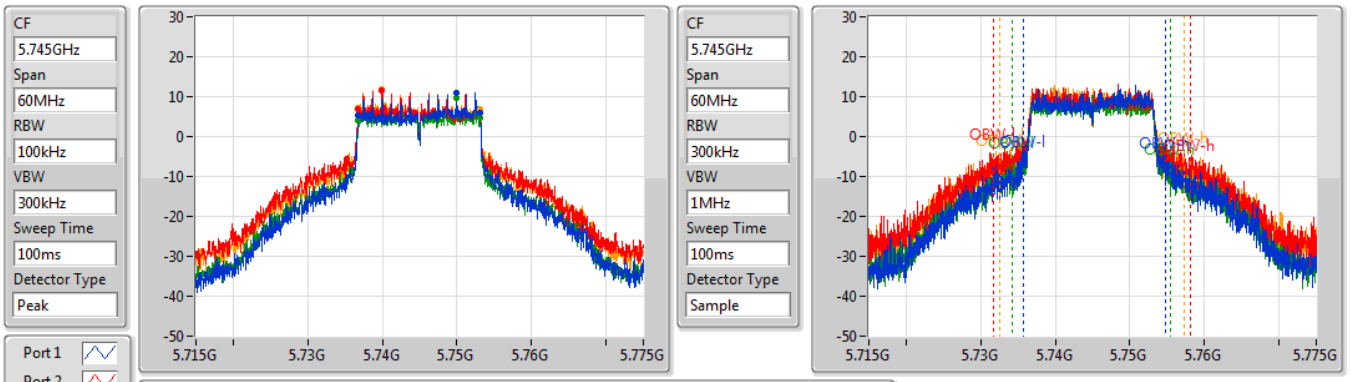



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.135M | 5.725G | 5.728135G | 4.108M | 5.725022G | 5.72913G | 500k | 1 |
| 3.135M | 5.725G | 5.728135G | 4.573M | 5.725007G | 5.72958G | 500k | 2 |
| 3.15M | 5.725G | 5.72815G | 4.258M | 5.725007G | 5.729265G | 500k | 3 |
| 3.15M | 5.725G | 5.72815G | 4.303M | 5.725007G | 5.72931G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5745MHz

05/02/2021

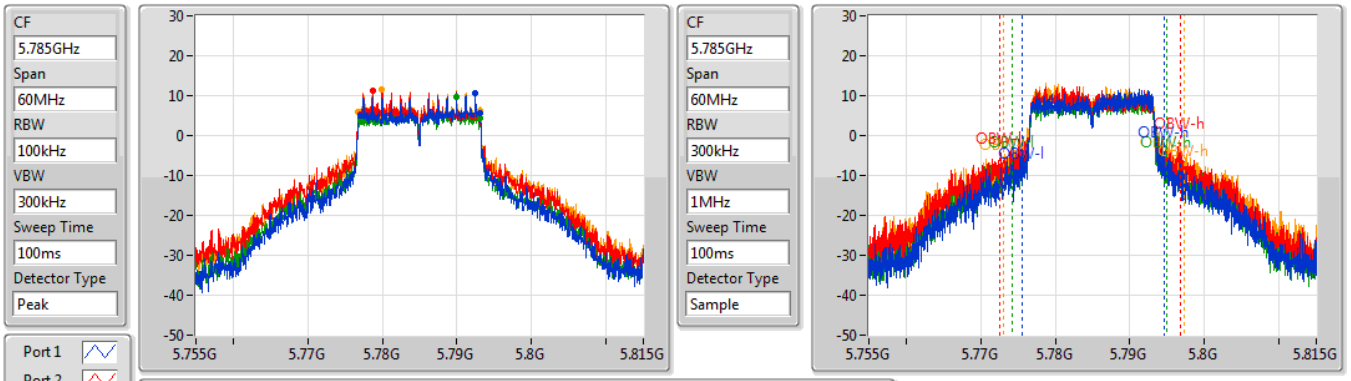



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.32M | 5.73681G | 5.75313G | 19.13M | 5.735645G | 5.754775G | 500k | 1 |
| 16.32M | 5.73681G | 5.75313G | 26.417M | 5.731717G | 5.758133G | 500k | 2 |
| 16.35M | 5.73678G | 5.75313G | 21.349M | 5.734175G | 5.755525G | 500k | 3 |
| 16.32M | 5.73681G | 5.75313G | 24.828M | 5.732526G | 5.757354G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5785MHz

05/02/2021

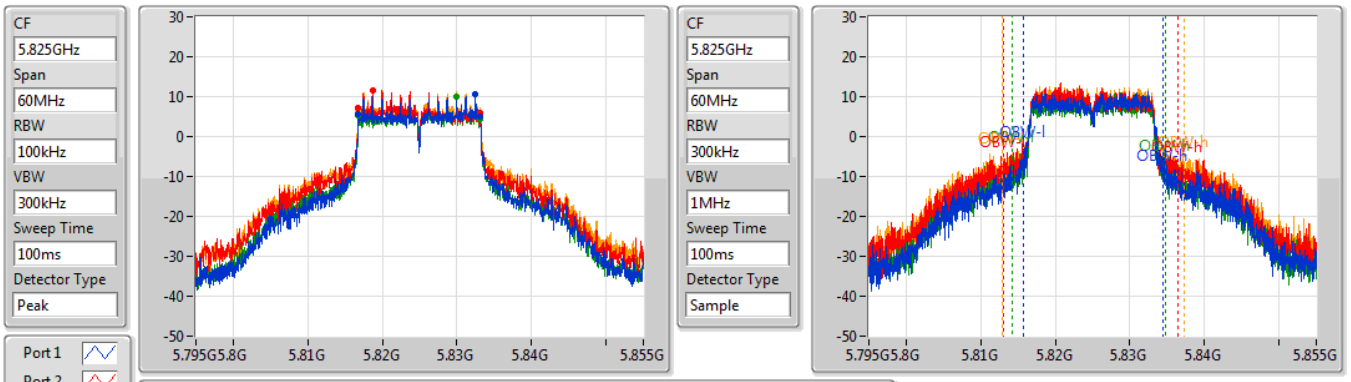



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.05M | 5.77708G | 5.79313G | 18.951M | 5.775615G | 5.794565G | 500k | 1 |
| 16.08M | 5.77705G | 5.79313G | 24.288M | 5.772556G | 5.796844G | 500k | 2 |
| 16.08M | 5.77705G | 5.79313G | 20.84M | 5.774175G | 5.795015G | 500k | 3 |
| 16.32M | 5.77681G | 5.79313G | 24.318M | 5.772976G | 5.797294G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5825MHz

05/02/2021

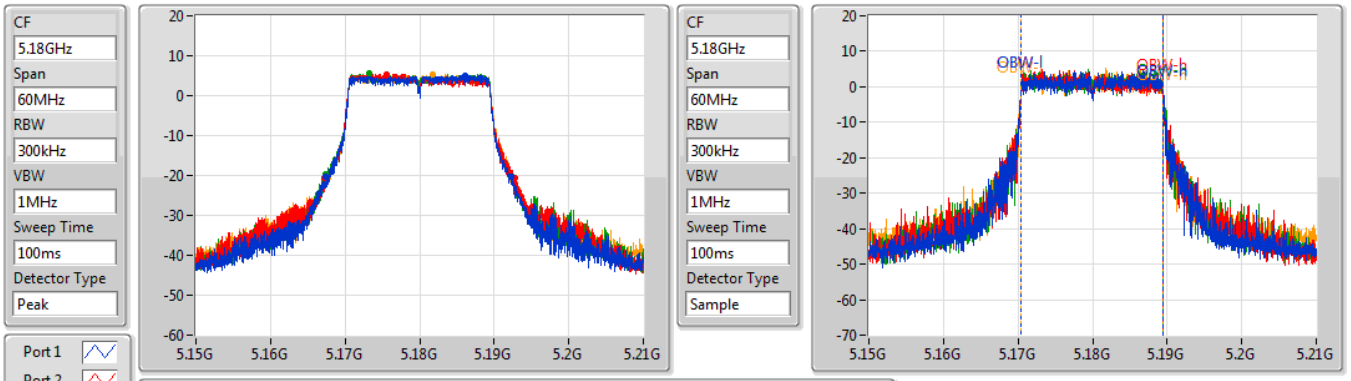



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.32M | 5.81681G | 5.83313G | 18.741M | 5.815705G | 5.834445G | 500k | 1 |
| 16.29M | 5.81681G | 5.8331G | 23.388M | 5.813006G | 5.836394G | 500k | 2 |
| 16.32M | 5.81681G | 5.83313G | 20.48M | 5.814265G | 5.834745G | 500k | 3 |
| 16.35M | 5.81678G | 5.83313G | 24.408M | 5.812826G | 5.837234G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5180MHz

16/07/2021

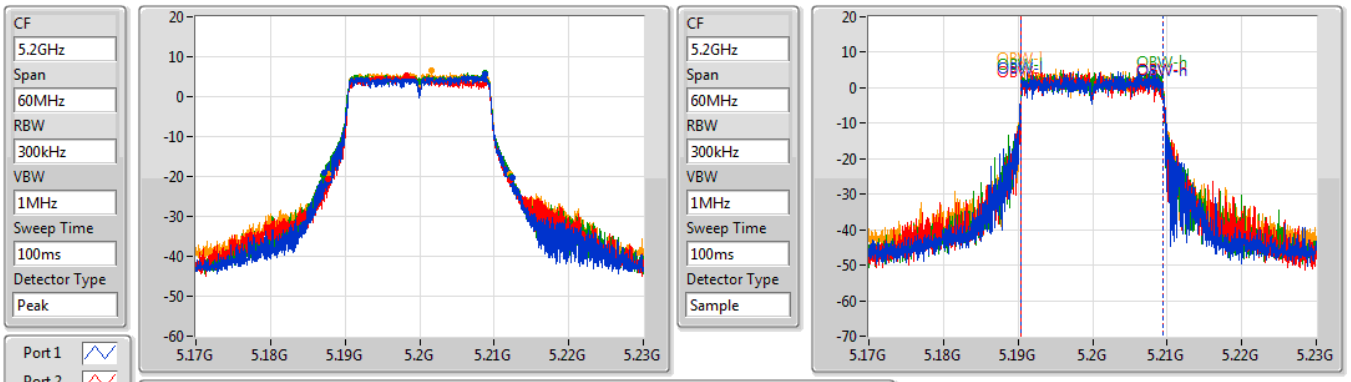



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.9M | 5.16734G | 5.19224G | 19.04M | 5.170435G | 5.189475G | Inf | 1 |
| 25.53M | 5.16722G | 5.19275G | 19.07M | 5.170405G | 5.189475G | Inf | 2 |
| 25.08M | 5.16737G | 5.19245G | 19.04M | 5.170435G | 5.189475G | Inf | 3 |
| 25.32M | 5.16743G | 5.19275G | 19.07M | 5.170405G | 5.189475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5200MHz

16/07/2021

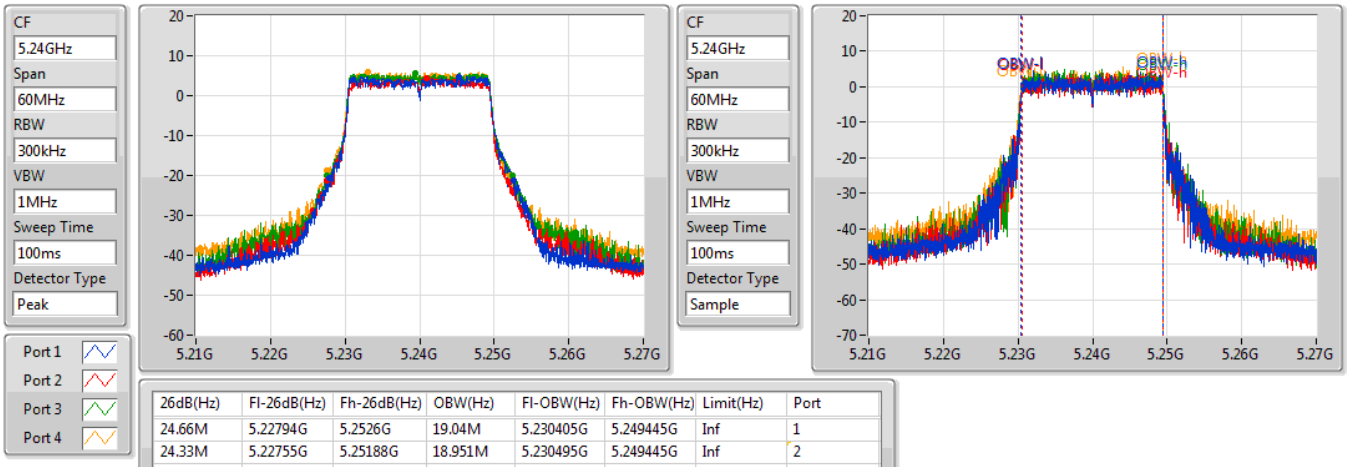



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 25.26M | 5.18716G | 5.21242G | 19.04M | 5.190435G | 5.209475G | Inf | 1 |
| 24.45M | 5.18773G | 5.21218G | 19.01M | 5.190465G | 5.209475G | Inf | 2 |
| 25.38M | 5.18698G | 5.21236G | 19.04M | 5.190435G | 5.209475G | Inf | 3 |
| 24.54M | 5.18764G | 5.21218G | 19.04M | 5.190435G | 5.209475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5240MHz

16/07/2021

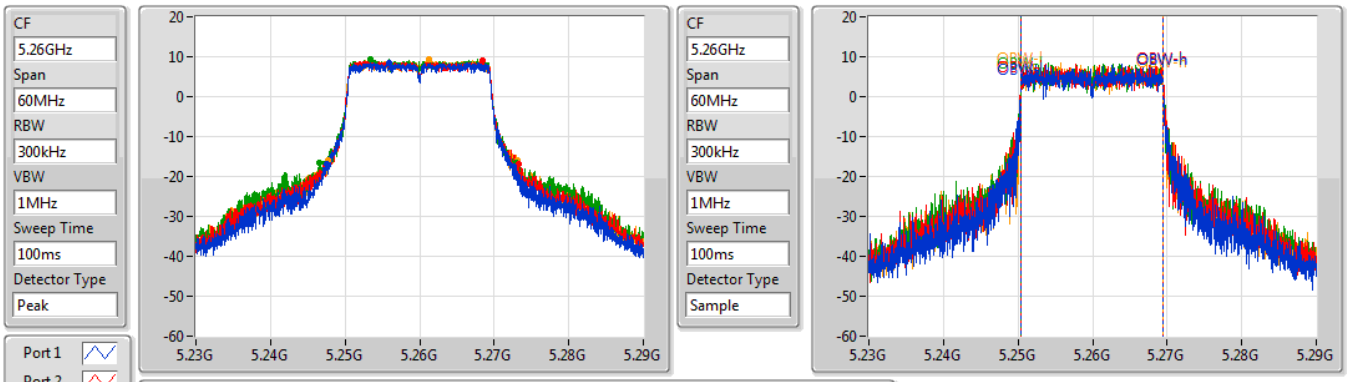



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.66M | 5.22794G | 5.2526G | 19.04M | 5.230405G | 5.249445G | Inf | 1 |
| 24.33M | 5.22755G | 5.25188G | 18.951M | 5.230495G | 5.249445G | Inf | 2 |
| 24.93M | 5.22755G | 5.25248G | 19.04M | 5.230435G | 5.249475G | Inf | 3 |
| 24.48M | 5.22758G | 5.25206G | 19.07M | 5.230405G | 5.249475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5260MHz

16/03/2021

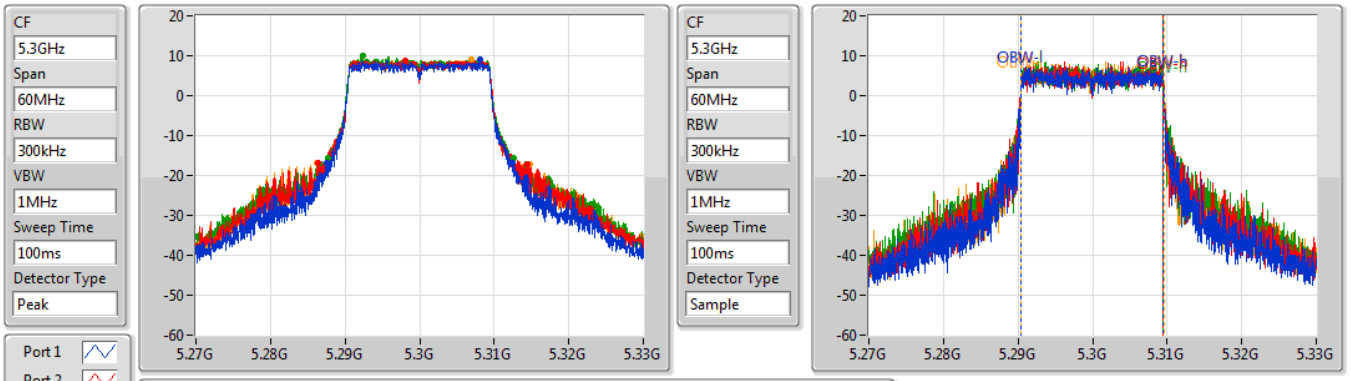



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.99M | 5.24758G | 5.27257G | 19.04M | 5.250435G | 5.269475G | Inf | 1 |
| 25.74M | 5.24755G | 5.27329G | 19.07M | 5.250435G | 5.269505G | Inf | 2 |
| 26.37M | 5.24659G | 5.27296G | 19.1M | 5.250405G | 5.269505G | Inf | 3 |
| 25.41M | 5.24773G | 5.27314G | 19.07M | 5.250435G | 5.269505G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5300MHz

16/03/2021

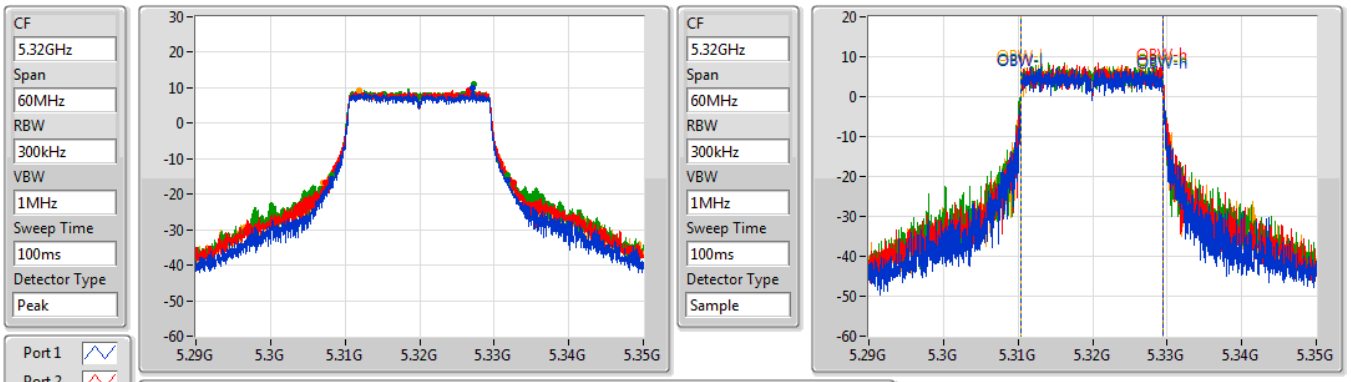



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.96M | 5.28752G | 5.31248G | 19.04M | 5.290435G | 5.309475G | Inf | 1 |
| 28.08M | 5.28635G | 5.31443G | 19.07M | 5.290435G | 5.309505G | Inf | 2 |
| 24.99M | 5.2877G | 5.31269G | 19.04M | 5.290465G | 5.309505G | Inf | 3 |
| 28.5M | 5.28626G | 5.31476G | 19.1M | 5.290435G | 5.309535G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5320MHz

16/03/2021

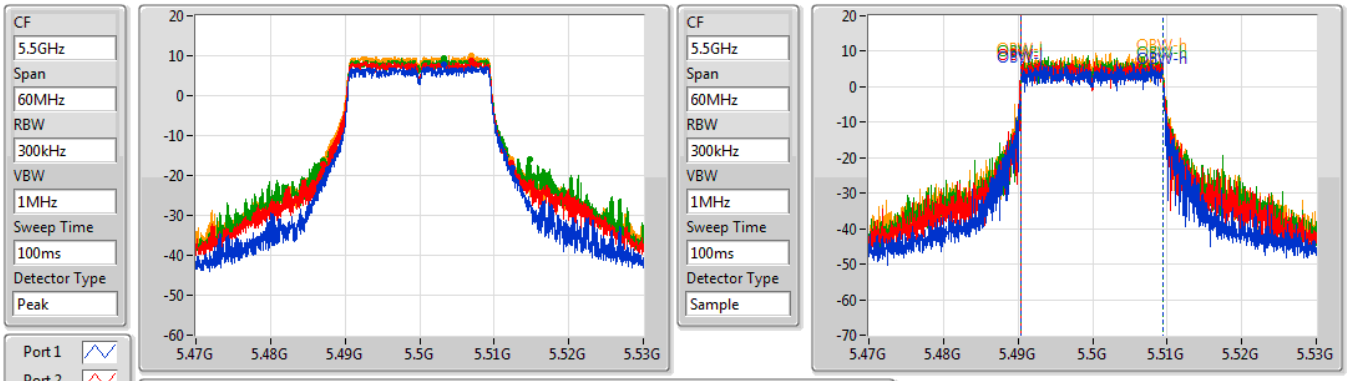



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.55M | 5.30815G | 5.3317G | 19.04M | 5.310435G | 5.329475G | Inf | 1 |
| 25.2M | 5.30734G | 5.33254G | 19.07M | 5.310435G | 5.329505G | Inf | 2 |
| 23.52M | 5.30824G | 5.33176G | 19.07M | 5.310405G | 5.329475G | Inf | 3 |
| 25.47M | 5.3071G | 5.33257G | 19.01M | 5.310465G | 5.329475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5500MHz

16/03/2021

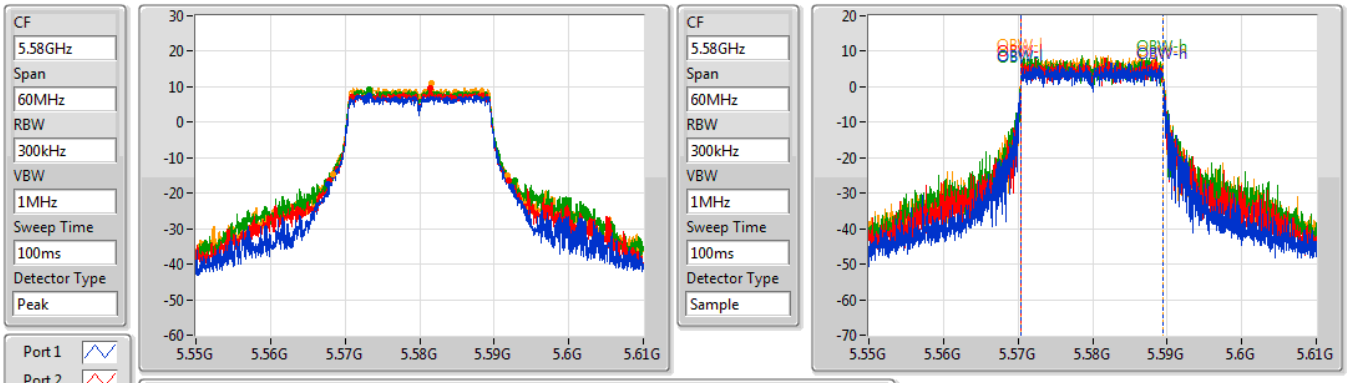



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.69M | 5.4877G | 5.51239G | 19.04M | 5.490435G | 5.509475G | Inf | 1 |
| 25.08M | 5.48713G | 5.51221G | 19.1M | 5.490405G | 5.509505G | Inf | 2 |
| 27.69M | 5.4871G | 5.51479G | 19.01M | 5.490465G | 5.509475G | Inf | 3 |
| 25.11M | 5.48716G | 5.51227G | 19.04M | 5.490435G | 5.509475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5580MHz

16/03/2021

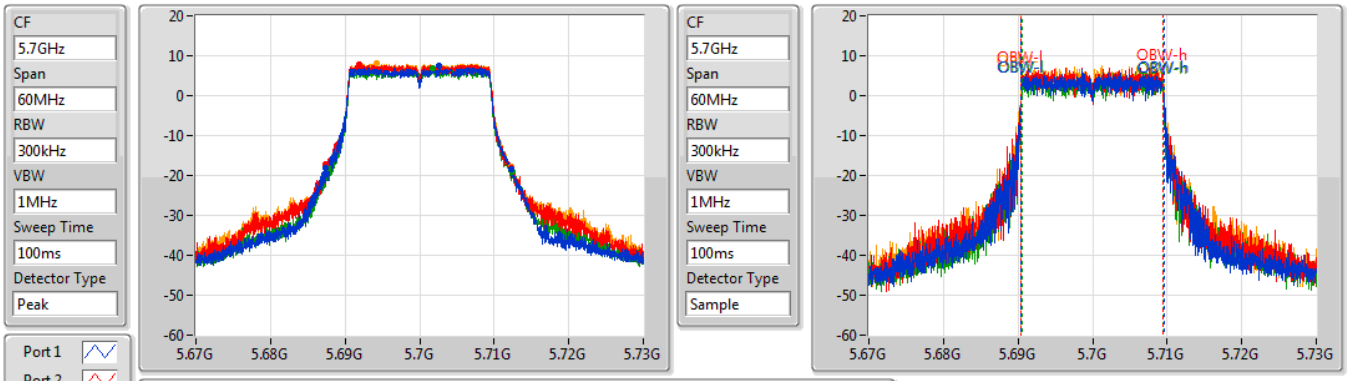



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.6M | 5.56776G | 5.59236G | 19.1M | 5.570405G | 5.589505G | Inf | 1 |
| 24M | 5.56791G | 5.59191G | 19.04M | 5.570465G | 5.589505G | Inf | 2 |
| 25.26M | 5.56755G | 5.59281G | 19.04M | 5.570435G | 5.589475G | Inf | 3 |
| 23.49M | 5.56833G | 5.59182G | 19.01M | 5.570465G | 5.589475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5700MHz

22/03/2021

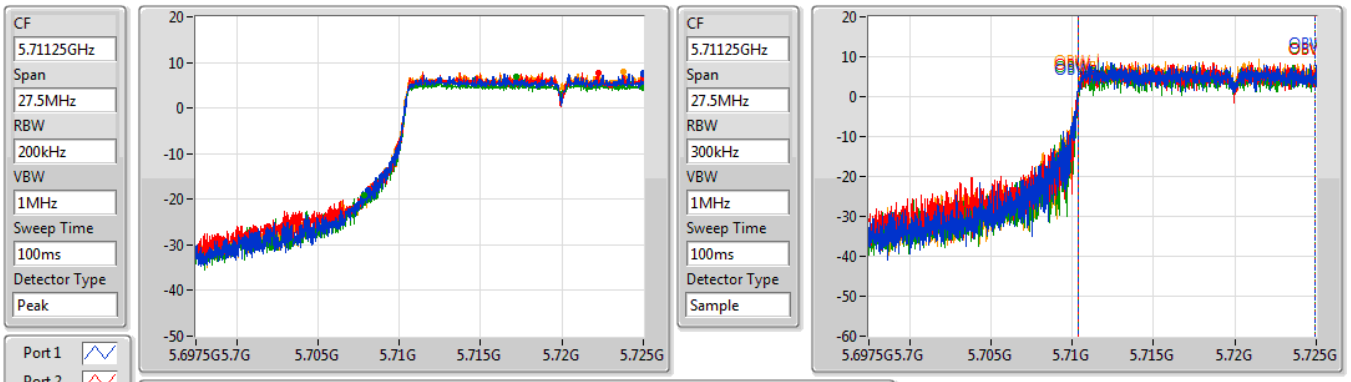



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.81M | 5.68746G | 5.71227G | 19.07M | 5.690465G | 5.709535G | Inf | 1 |
| 24.81M | 5.6874G | 5.71221G | 19.01M | 5.690465G | 5.709475G | Inf | 2 |
| 24.75M | 5.68773G | 5.71248G | 19.01M | 5.690495G | 5.709505G | Inf | 3 |
| 24.87M | 5.6874G | 5.71227G | 19.04M | 5.690465G | 5.709505G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5720MHz Straddle 5.47-5.725GHz

16/03/2021

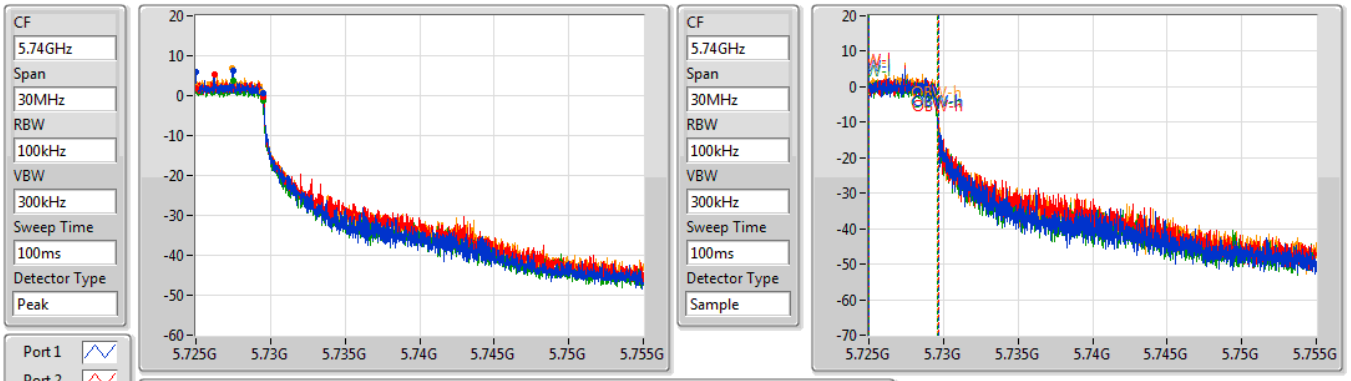



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.899M | 5.708101G | 5.725G | 14.54M | 5.710398G | 5.724938G | Inf | 1 |
| 16.844M | 5.708156G | 5.725G | 14.54M | 5.710384G | 5.724924G | Inf | 2 |
| 17.146M | 5.707854G | 5.725G | 14.526M | 5.710398G | 5.724924G | Inf | 3 |
| 16.899M | 5.708101G | 5.725G | 14.54M | 5.710398G | 5.724938G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5720MHz Straddle 5.725-5.85GHz

16/03/2021

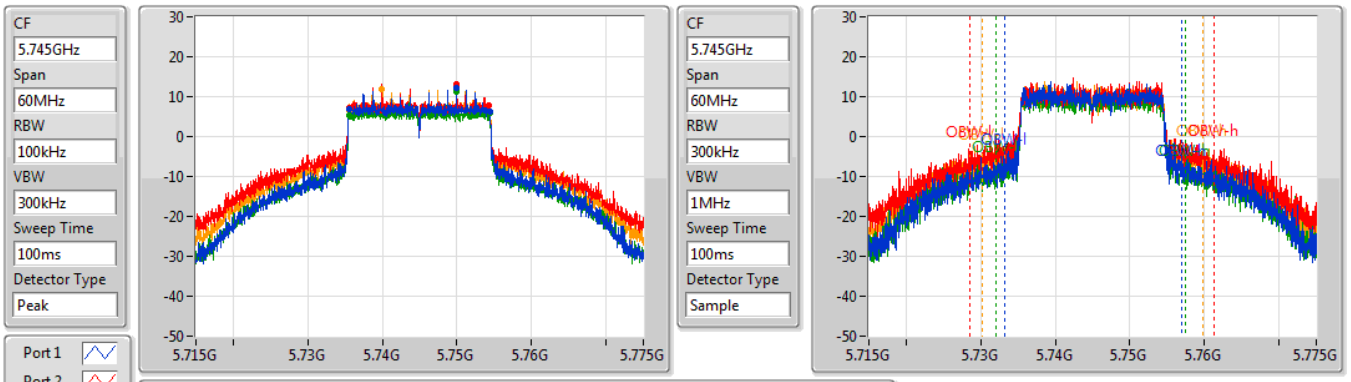



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.485M | 5.725G | 5.729485G | 4.618M | 5.725022G | 5.72964G | 500k | 1 |
| 4.515M | 5.725G | 5.729515G | 4.648M | 5.725037G | 5.729685G | 500k | 2 |
| 4.5M | 5.725G | 5.7295G | 4.603M | 5.725022G | 5.729625G | 500k | 3 |
| 4.47M | 5.725G | 5.72947G | 4.603M | 5.725022G | 5.729625G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5745MHz

05/02/2021

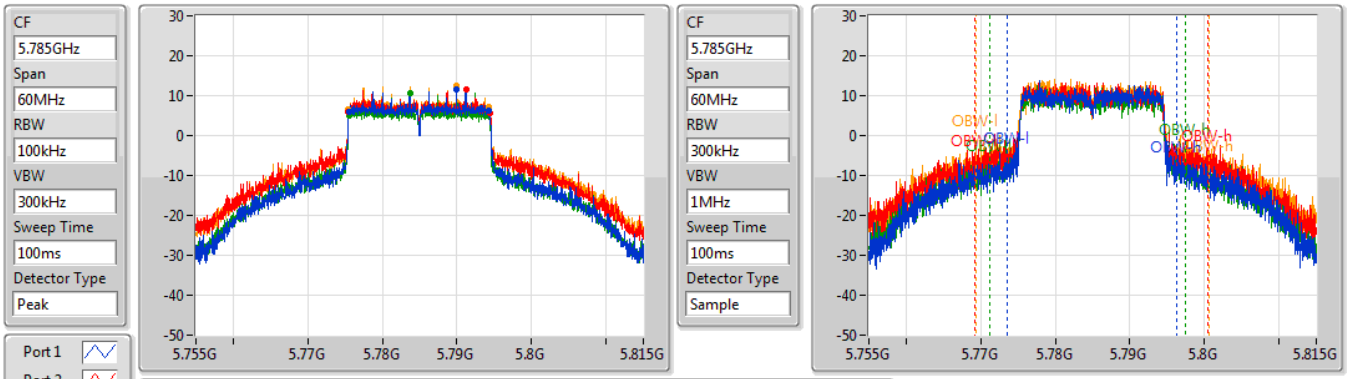



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.78M | 5.73558G | 5.75436G | 23.718M | 5.733156G | 5.756874G | 500k | 1 |
| 18.78M | 5.73555G | 5.75433G | 32.684M | 5.728568G | 5.761252G | 500k | 2 |
| 18.84M | 5.73552G | 5.75436G | 25.277M | 5.732106G | 5.757384G | 500k | 3 |
| 18.96M | 5.73549G | 5.75445G | 29.595M | 5.730187G | 5.759783G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5785MHz

05/02/2021

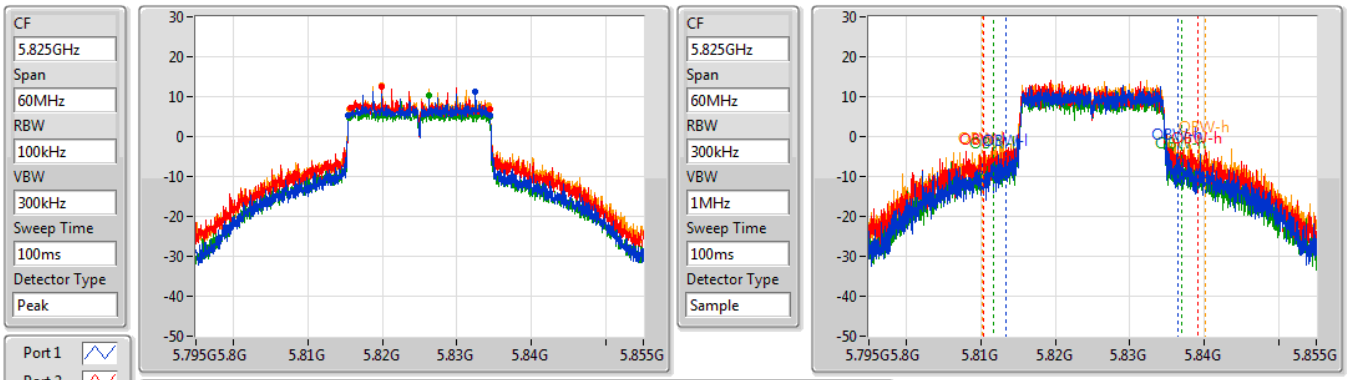



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.78M | 5.77555G | 5.79433G | 22.789M | 5.773486G | 5.796274G | 500k | 1 |
| 18.96M | 5.77546G | 5.79442G | 31.214M | 5.769198G | 5.800412G | 500k | 2 |
| 18.87M | 5.77549G | 5.79436G | 26.267M | 5.771267G | 5.797534G | 500k | 3 |
| 18.9M | 5.77543G | 5.79433G | 31.274M | 5.769378G | 5.800652G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5825MHz

05/02/2021

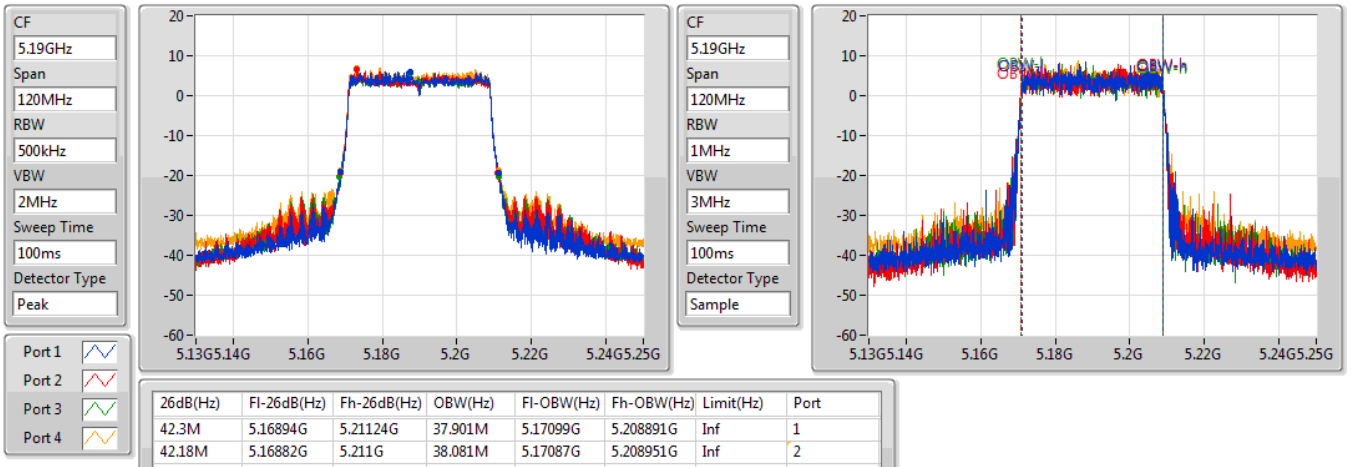



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.02M | 5.81546G | 5.83448G | 23.088M | 5.813306G | 5.836394G | 500k | 1 |
| 18.75M | 5.81567G | 5.83442G | 28.816M | 5.810307G | 5.839123G | 500k | 2 |
| 18.84M | 5.81555G | 5.83439G | 25.277M | 5.811687G | 5.836964G | 500k | 3 |
| 18.78M | 5.81552G | 5.8343G | 29.895M | 5.810187G | 5.840082G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5190MHz

16/07/2021

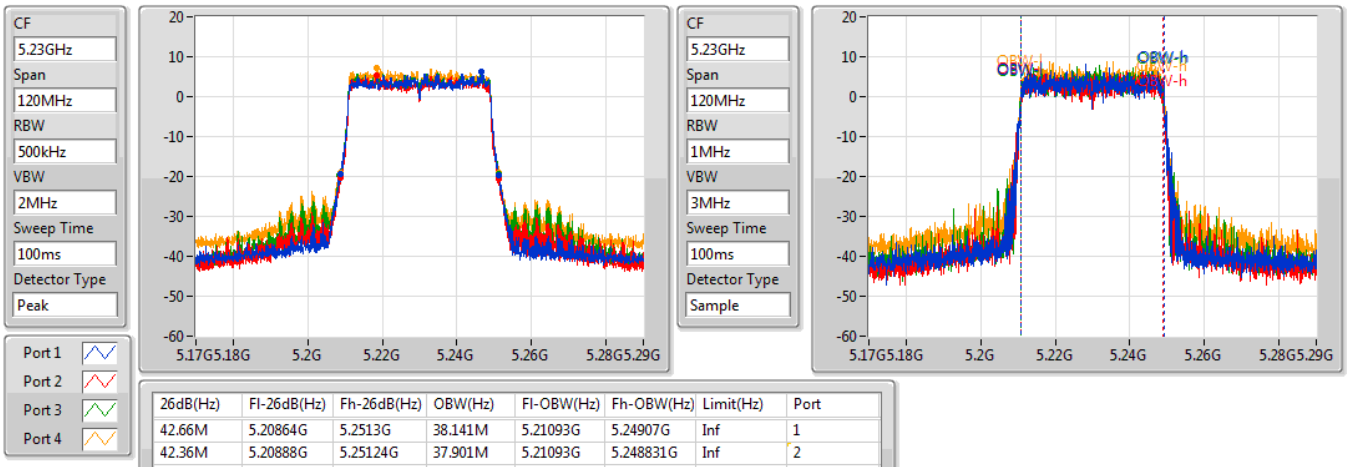



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.3M | 5.16894G | 5.21124G | 37.901M | 5.17099G | 5.208891G | Inf | 1 |
| 42.18M | 5.16882G | 5.211G | 38.081M | 5.17087G | 5.208951G | Inf | 2 |
| 42.78M | 5.16858G | 5.21136G | 38.021M | 5.17093G | 5.208951G | Inf | 3 |
| 42.24M | 5.16888G | 5.21112G | 38.021M | 5.17093G | 5.208951G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5230MHz

16/07/2021

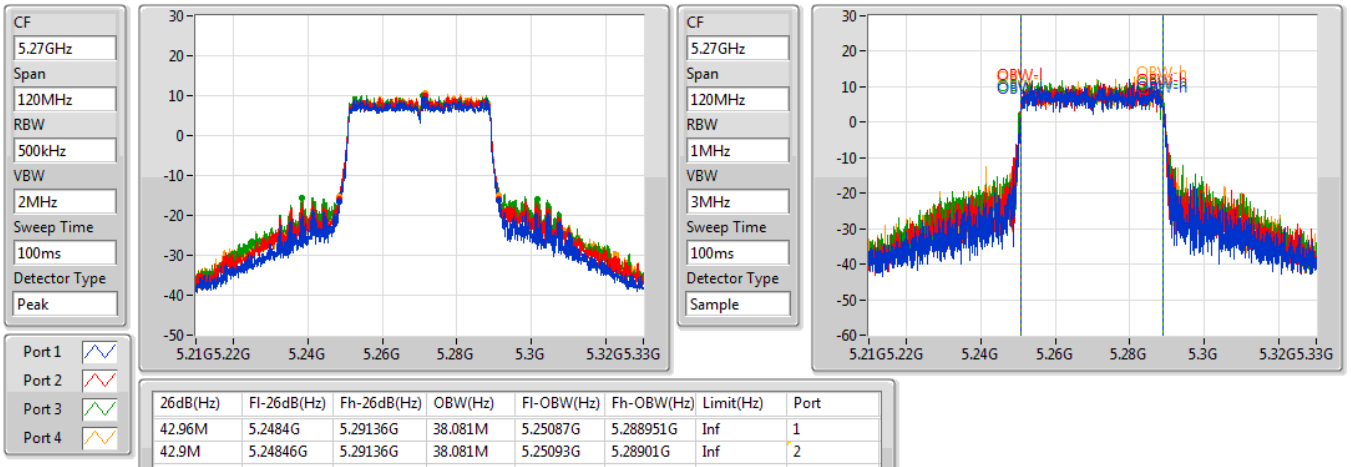



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.66M | 5.20864G | 5.2513G | 38.141M | 5.21093G | 5.24907G | Inf | 1 |
| 42.36M | 5.20888G | 5.25124G | 37.901M | 5.21093G | 5.248831G | Inf | 2 |
| 42.72M | 5.20858G | 5.2513G | 38.021M | 5.21093G | 5.248951G | Inf | 3 |
| 42.36M | 5.20882G | 5.25118G | 38.081M | 5.21087G | 5.248951G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5270MHz

16/03/2021

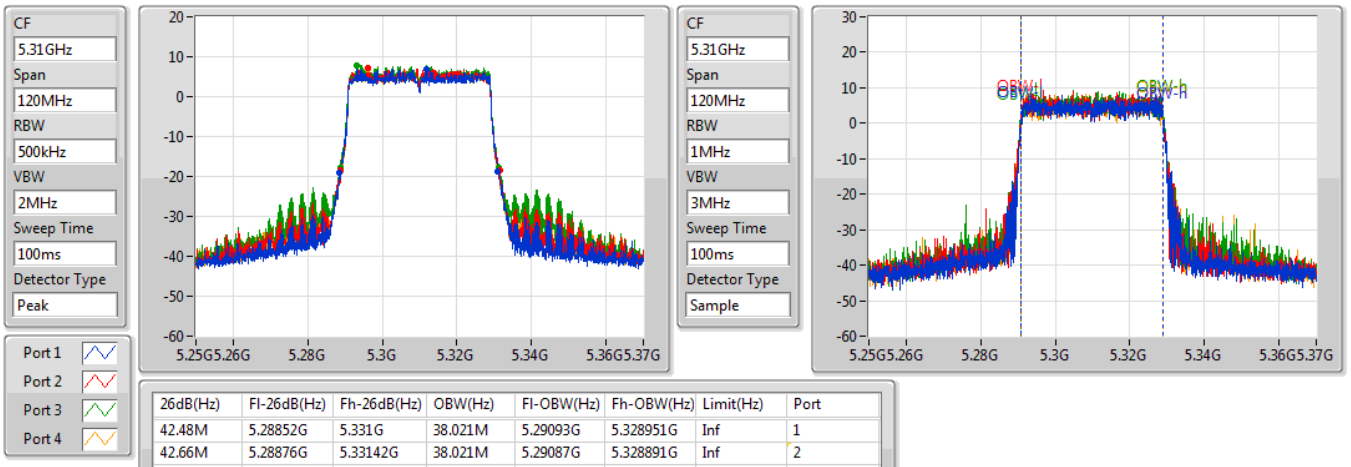



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.96M | 5.2484G | 5.29136G | 38.081M | 5.25087G | 5.288951G | Inf | 1 |
| 42.9M | 5.24846G | 5.29136G | 38.081M | 5.25093G | 5.28901G | Inf | 2 |
| 63.24M | 5.23832G | 5.30156G | 38.201M | 5.25081G | 5.28901G | Inf | 3 |
| 42.72M | 5.24852G | 5.29124G | 38.081M | 5.25093G | 5.28901G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5310MHz

05/02/2021

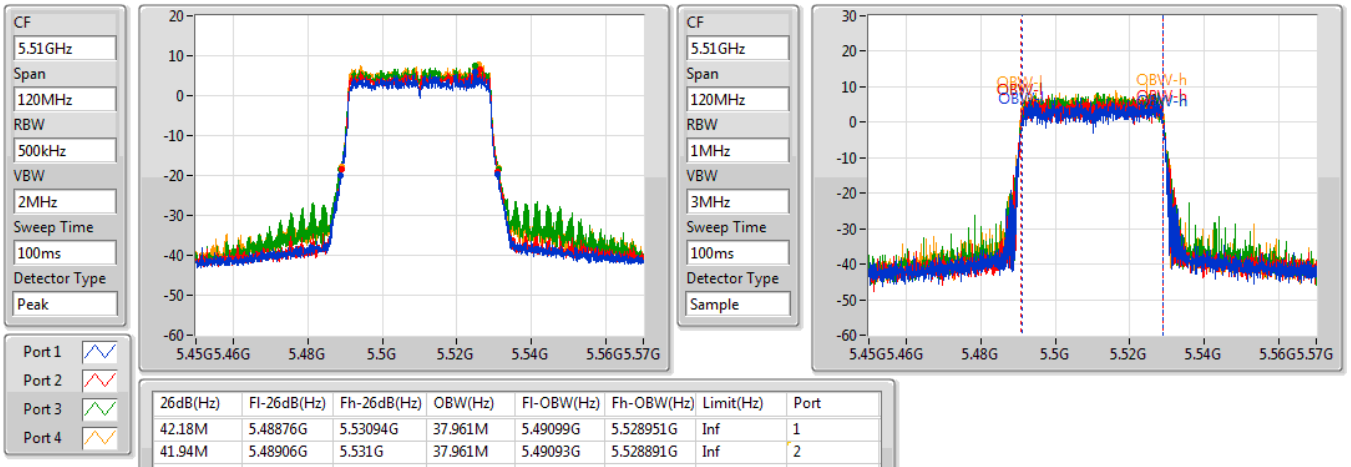



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.48M | 5.28852G | 5.331G | 38.021M | 5.29093G | 5.328951G | Inf | 1 |
| 42.66M | 5.28876G | 5.33142G | 38.021M | 5.29087G | 5.328891G | Inf | 2 |
| 42.54M | 5.28864G | 5.33118G | 38.201M | 5.29081G | 5.32901G | Inf | 3 |
| 42.66M | 5.2887G | 5.33136G | 37.961M | 5.29093G | 5.328891G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5510MHz

05/02/2021

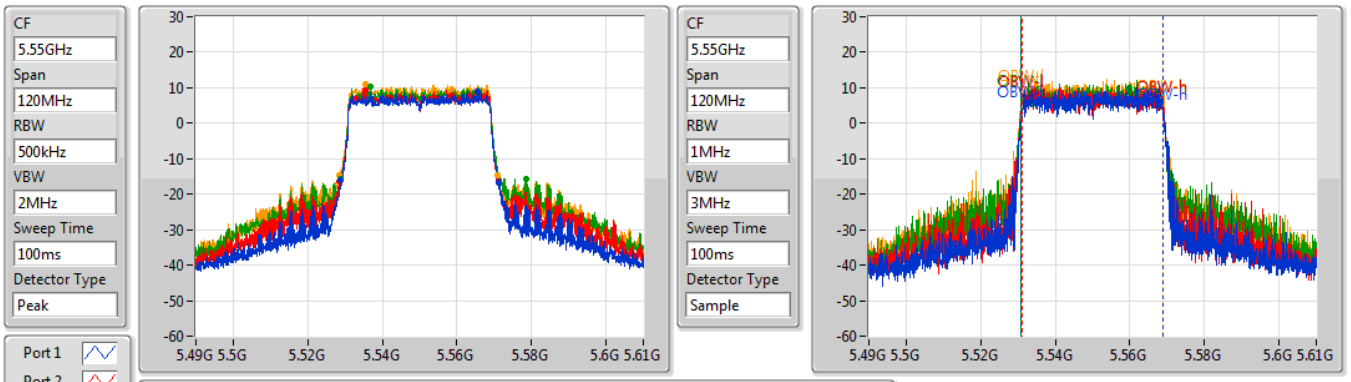



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.18M | 5.48876G | 5.53094G | 37.961M | 5.49099G | 5.528951G | Inf | 1 |
| 41.94M | 5.48906G | 5.531G | 37.961M | 5.49093G | 5.528891G | Inf | 2 |
| 42.36M | 5.48882G | 5.53118G | 38.021M | 5.49093G | 5.528951G | Inf | 3 |
| 42M | 5.48906G | 5.53106G | 37.961M | 5.49093G | 5.528891G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5550MHz

16/03/2021

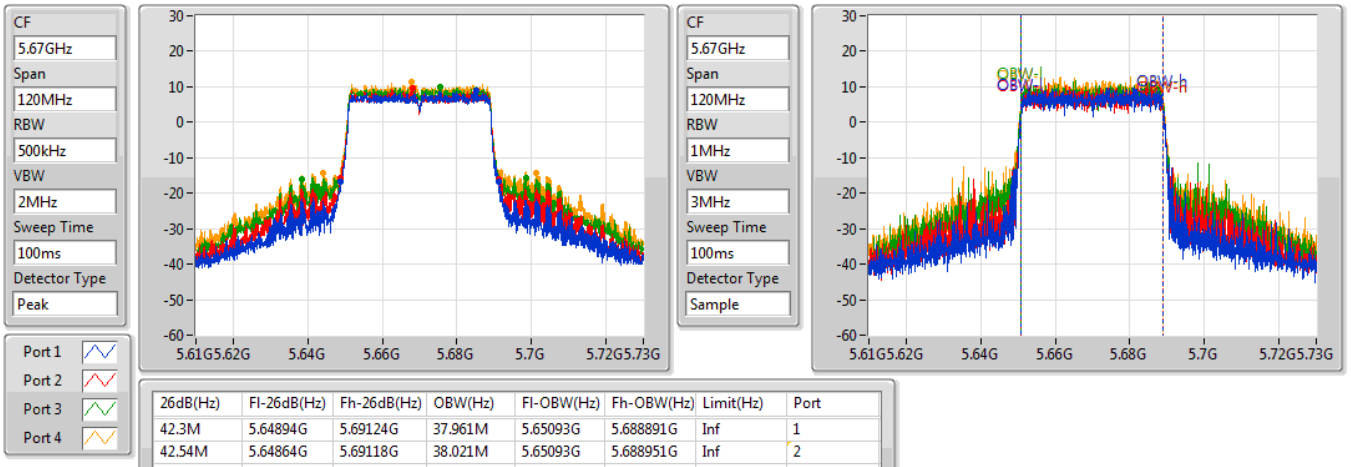



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.36M | 5.52882G | 5.57118G | 38.021M | 5.53093G | 5.568951G | Inf | 1 |
| 42.6M | 5.52852G | 5.57112G | 37.961M | 5.53099G | 5.568951G | Inf | 2 |
| 49.5M | 5.52894G | 5.57844G | 38.021M | 5.53093G | 5.568951G | Inf | 3 |
| 42.72M | 5.52828G | 5.571G | 38.021M | 5.53099G | 5.56901G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5670MHz

16/03/2021

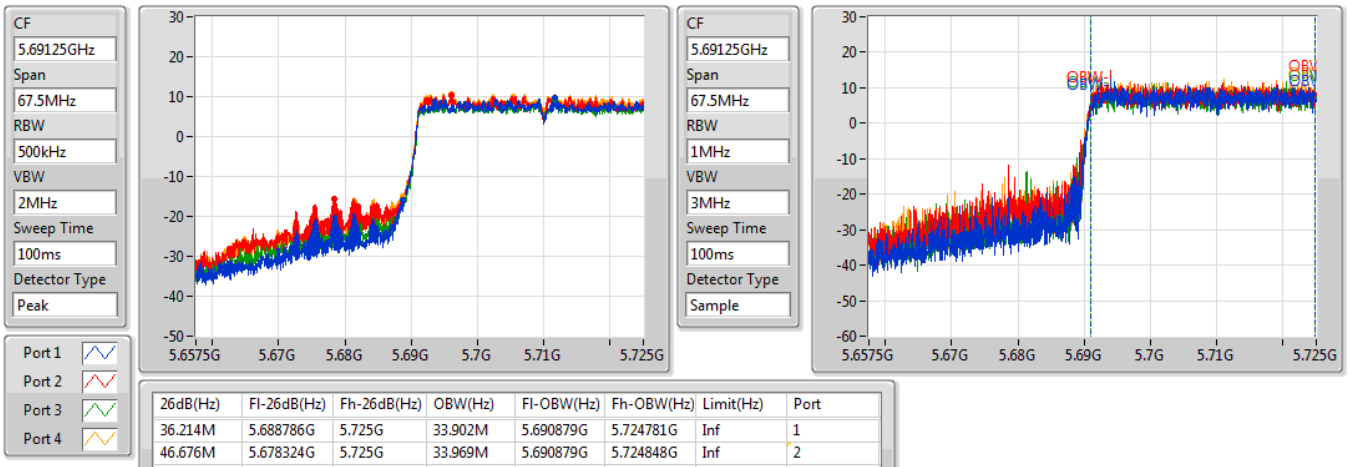



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.3M | 5.64894G | 5.69124G | 37.961M | 5.65093G | 5.688891G | Inf | 1 |
| 42.54M | 5.64864G | 5.69118G | 38.021M | 5.65093G | 5.688951G | Inf | 2 |
| 60.18M | 5.63832G | 5.6985G | 38.081M | 5.65087G | 5.688951G | Inf | 3 |
| 57.18M | 5.6442G | 5.70138G | 38.141M | 5.65087G | 5.68901G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5710MHz Straddle 5.47-5.725GHz

16/03/2021

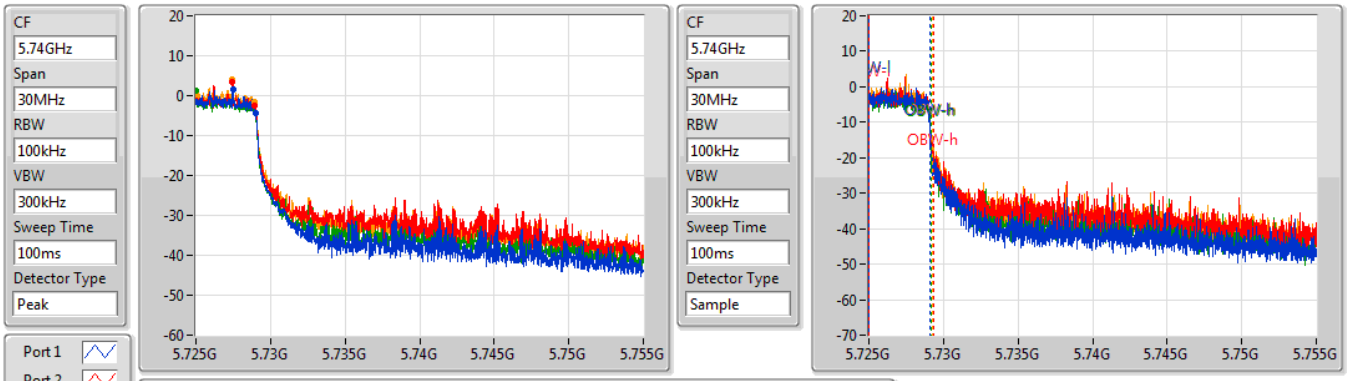



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 36.214M | 5.688786G | 5.725G | 33.902M | 5.690879G | 5.724781G | Inf | 1 |
| 46.676M | 5.678324G | 5.725G | 33.969M | 5.690879G | 5.724848G | Inf | 2 |
| 36.146M | 5.688854G | 5.725G | 33.936M | 5.690879G | 5.724814G | Inf | 3 |
| 36.214M | 5.688786G | 5.725G | 33.936M | 5.690879G | 5.724814G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5710MHz Straddle 5.725-5.85GHz

16/03/2021

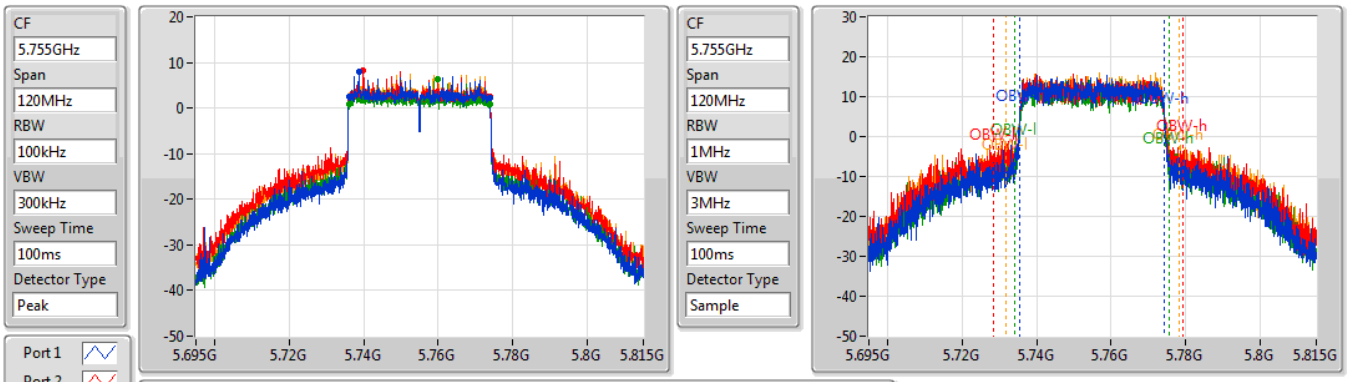



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.02M | 5.725G | 5.72902G | 4.108M | 5.725007G | 5.729115G | 500k | 1 |
| 3.9M | 5.725G | 5.7289G | 4.333M | 5.725022G | 5.729355G | 500k | 2 |
| 4.02M | 5.725G | 5.72902G | 4.168M | 5.725007G | 5.729175G | 500k | 3 |
| 3.96M | 5.725G | 5.72896G | 4.243M | 5.725022G | 5.729265G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5755MHz

05/02/2021

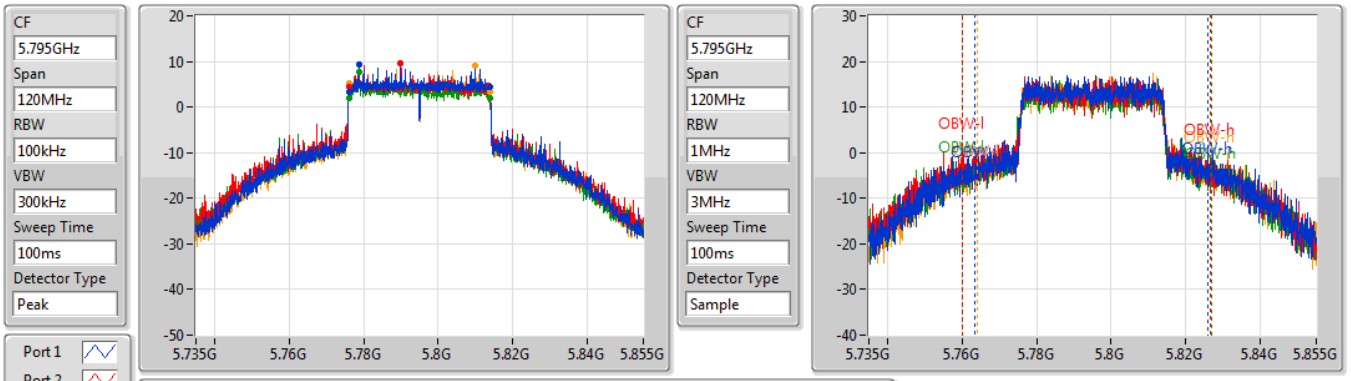



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.68M | 5.73604G | 5.77372G | 38.981M | 5.73539G | 5.77437G | 500k | 1 |
| 37.92M | 5.73598G | 5.7739G | 50.675M | 5.728553G | 5.779228G | 500k | 2 |
| 37.92M | 5.73604G | 5.77396G | 41.739M | 5.733951G | 5.77569G | 500k | 3 |
| 37.92M | 5.73604G | 5.77396G | 46.357M | 5.731912G | 5.778268G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5795MHz

05/02/2021

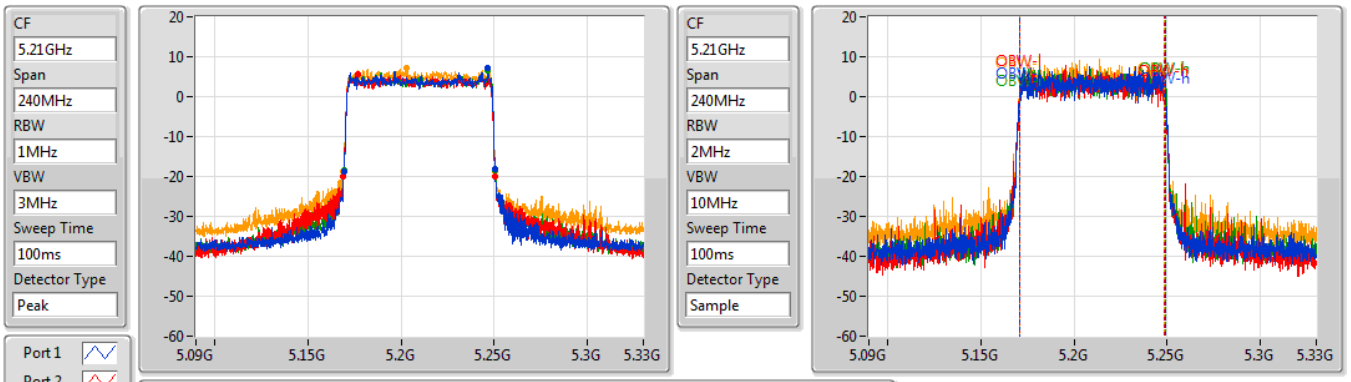



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.86M | 5.77598G | 5.81384G | 62.549M | 5.763456G | 5.826004G | 500k | 1 |
| 37.62M | 5.77598G | 5.8136G | 66.327M | 5.760217G | 5.826544G | 500k | 2 |
| 37.98M | 5.77598G | 5.81396G | 66.927M | 5.760157G | 5.827084G | 500k | 3 |
| 37.62M | 5.7761G | 5.81372G | 62.309M | 5.764175G | 5.826484G | 500k | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5210MHz

16/07/2021

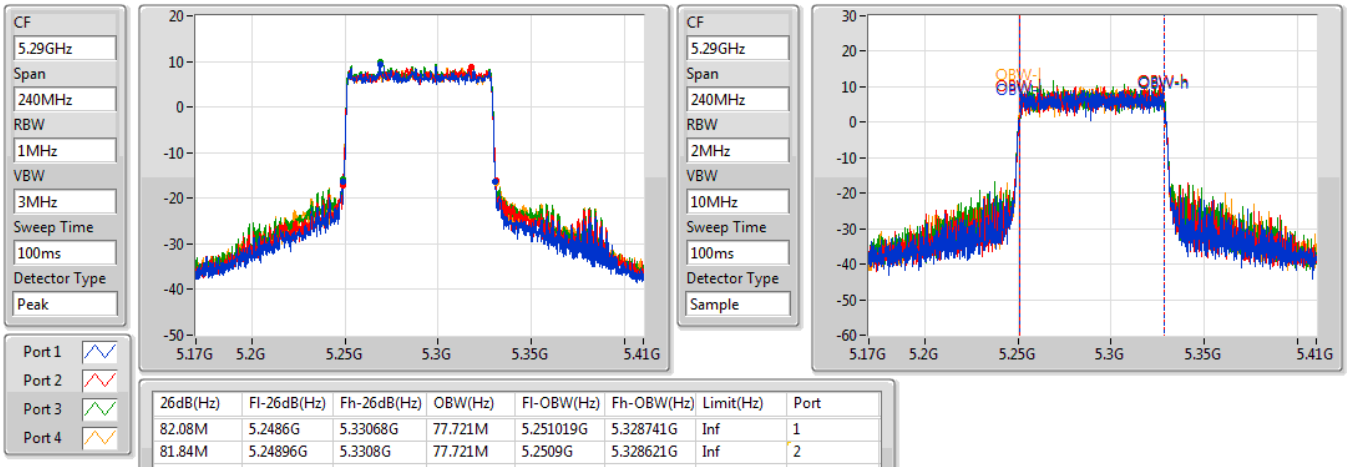



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.12M | 5.16944G | 5.25056G | 77.841M | 5.171019G | 5.248861G | Inf | 1 |
| 81.36M | 5.1692G | 5.25056G | 77.841M | 5.1709G | 5.248741G | Inf | 2 |
| 81.24M | 5.16944G | 5.25068G | 77.841M | 5.171019G | 5.248861G | Inf | 3 |
| 81.84M | 5.16884G | 5.25068G | 77.721M | 5.171019G | 5.248741G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5290MHz

05/02/2021

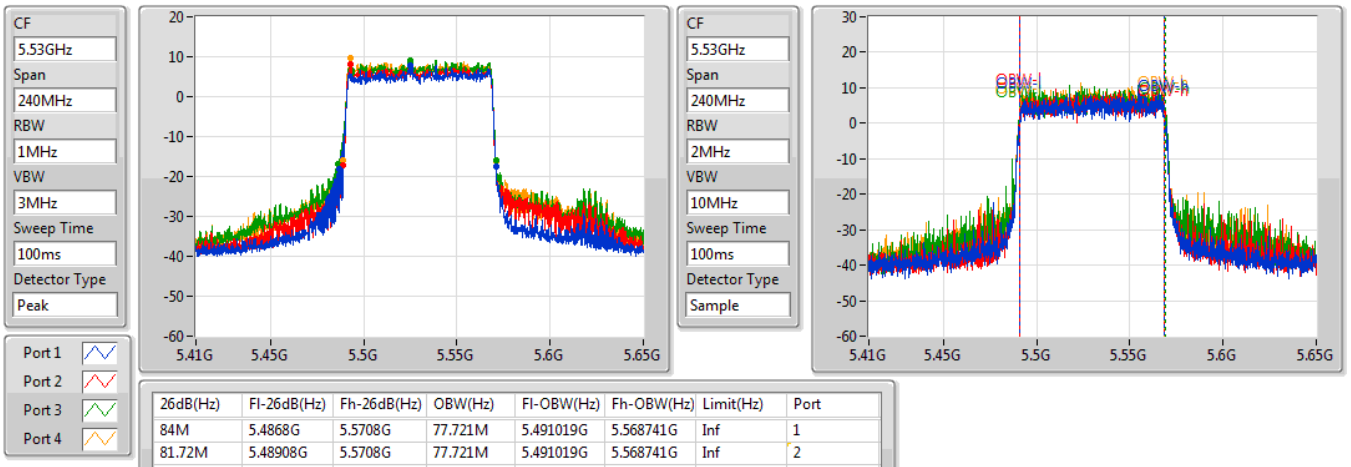



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.08M | 5.2486G | 5.33068G | 77.721M | 5.251019G | 5.328741G | Inf | 1 |
| 81.84M | 5.24896G | 5.3308G | 77.721M | 5.2509G | 5.328621G | Inf | 2 |
| 81.84M | 5.24896G | 5.3308G | 77.721M | 5.251019G | 5.328741G | Inf | 3 |
| 81.84M | 5.24896G | 5.3308G | 77.721M | 5.251019G | 5.328741G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5530MHz

05/02/2021

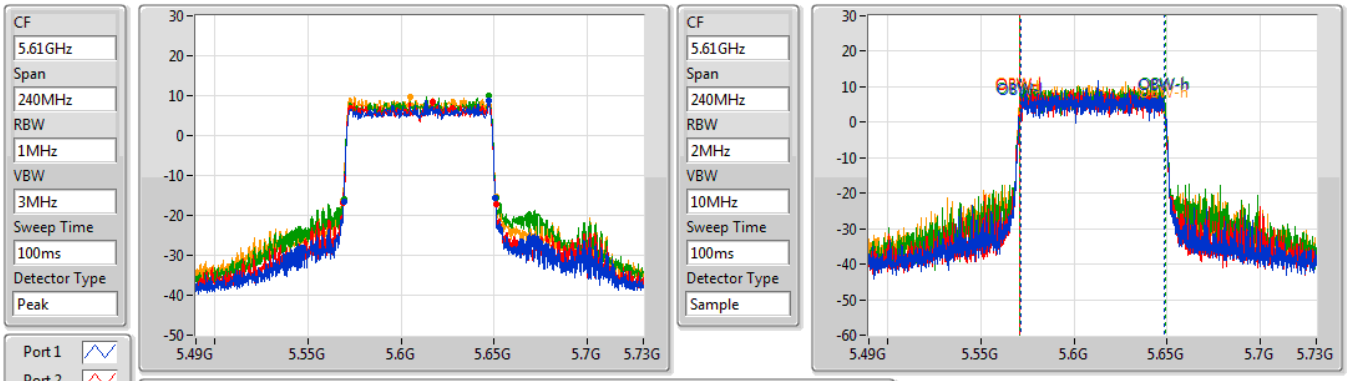



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 84M | 5.4868G | 5.5708G | 77.721M | 5.491019G | 5.568741G | Inf | 1 |
| 81.72M | 5.48908G | 5.5708G | 77.721M | 5.491019G | 5.568741G | Inf | 2 |
| 84.48M | 5.48632G | 5.5708G | 77.721M | 5.491139G | 5.568861G | Inf | 3 |
| 81.6M | 5.4892G | 5.5708G | 77.601M | 5.491139G | 5.568741G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5610MHz

05/02/2021

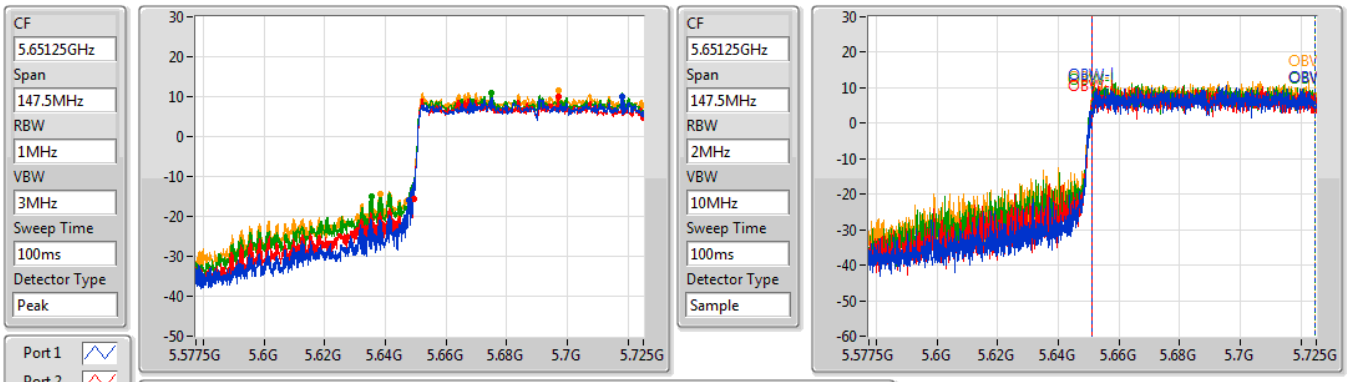



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.36M | 5.56932G | 5.65068G | 77.481M | 5.571259G | 5.648741G | Inf | 1 |
| 81.96M | 5.56896G | 5.65092G | 77.601M | 5.571019G | 5.648621G | Inf | 2 |
| 81.48M | 5.56932G | 5.6508G | 77.841M | 5.571019G | 5.648861G | Inf | 3 |
| 81.84M | 5.56908G | 5.65092G | 77.721M | 5.5709G | 5.648621G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5690MHz Straddle 5.47-5.725GHz

05/02/2021

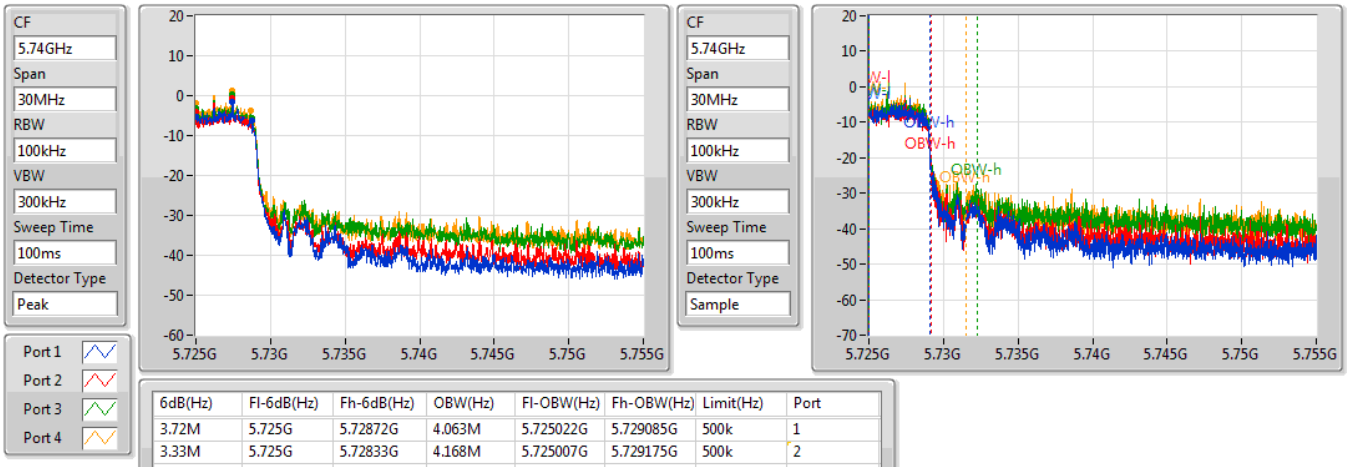



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 77.29M | 5.64771G | 5.725G | 73.566M | 5.650955G | 5.724521G | Inf | 1 |
| 75.741M | 5.649259G | 5.725G | 73.566M | 5.650955G | 5.724521G | Inf | 2 |
| 89.68M | 5.63532G | 5.725G | 73.639M | 5.650955G | 5.724595G | Inf | 3 |
| 86.804M | 5.638196G | 5.725G | 73.639M | 5.650955G | 5.724595G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5690MHz Straddle 5.725-5.85GHz

05/02/2021

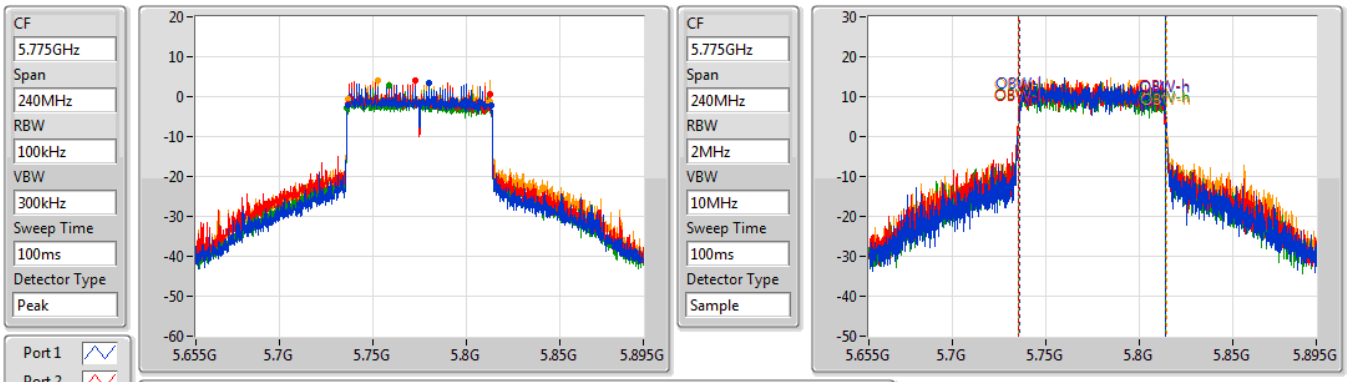



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.72M | 5.725G | 5.72872G | 4.063M | 5.725022G | 5.729085G | 500k | 1 |
| 3.33M | 5.725G | 5.72833G | 4.168M | 5.725007G | 5.729175G | 500k | 2 |
| 3.75M | 5.725G | 5.72875G | 7.256M | 5.725022G | 5.732279G | 500k | 3 |
| 3.69M | 5.725G | 5.72869G | 6.477M | 5.725022G | 5.731499G | 500k | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5775MHz

05/02/2021




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 77.16M | 5.73624G | 5.8134G | 78.321M | 5.73578G | 5.8141G | 500k | 1 |
| 76.32M | 5.73624G | 5.81256G | 78.681M | 5.7353G | 5.813981G | 500k | 2 |
| 77.64M | 5.73612G | 5.81376G | 78.561M | 5.73542G | 5.813981G | 500k | 3 |
| 76.8M | 5.73624G | 5.81304G | 79.16M | 5.7353G | 5.81446G | 500k | 4 |

**Summary**

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 24.66M | 16.912M | 16M9D1D | 22.92M | 16.702M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 25.65M | 19.1M | 19M1D1D | 23.76M | 18.981M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 42.96M | 38.081M | 38M1D1D | 42.36M | 37.901M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 84.72M | 77.841M | 77M8D1D | 81.48M | 77.361M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 24.03M | 16.912M | 16M9D1D | 23.13M | 16.762M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 25.05M | 19.07M | 19M1D1D | 24M | 19.01M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 43.56M | 38.081M | 38M1D1D | 42.18M | 38.021M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 81.96M | 77.961M | 78M0D1D | 81.48M | 77.601M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 24.12M | 16.912M | 16M9D1D | 15.964M | 13.496M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 24.72M | 19.07M | 19M1D1D | 16.734M | 14.54M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 43.14M | 38.141M | 38M1D1D | 36.18M | 33.902M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 82.2M | 77.721M | 77M7D1D | 75.52M | 73.418M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 16.35M | 22.219M | 22M2D1D | 3.135M | 4.018M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 18.99M | 24.828M | 24M8D1D | 4.455M | 4.573M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 37.98M | 45.997M | 46M0D1D | 3.96M | 4.093M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 77.16M | 89.955M | 90M0D1D | 3.69M | 4.048M |

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

## Result

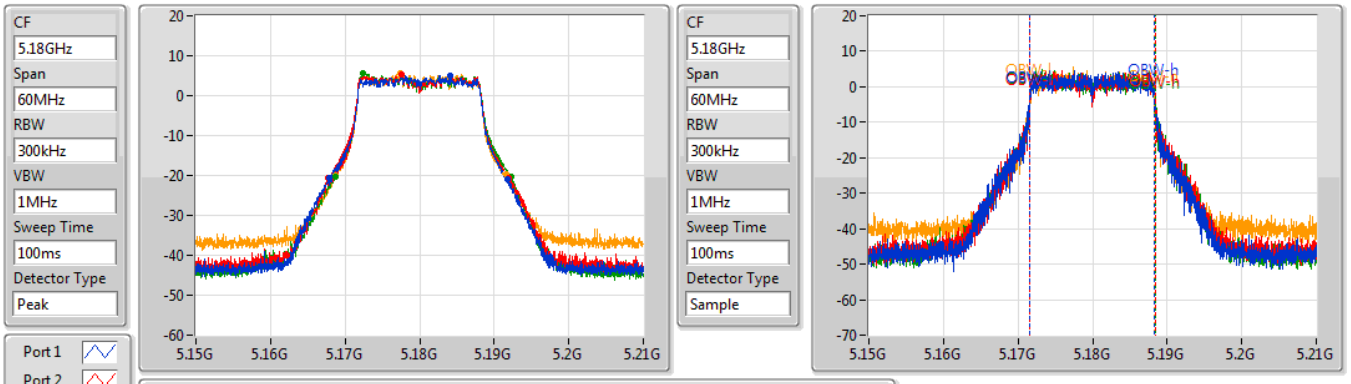
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 23.79M | 16.702M | 24.3M | 16.852M | 23.52M | 16.882M | 22.92M | 16.702M |
| 5200MHz | Pass | Inf | 24.66M | 16.792M | 23.52M | 16.822M | 24.15M | 16.882M | 23.01M | 16.762M |
| 5240MHz | Pass | Inf | 23.85M | 16.822M | 23.37M | 16.852M | 23.82M | 16.912M | 23.58M | 16.732M |
| 5260MHz | Pass | Inf | 23.49M | 16.792M | 23.79M | 16.912M | 23.76M | 16.822M | 24.03M | 16.882M |
| 5300MHz | Pass | Inf | 23.28M | 16.792M | 23.88M | 16.792M | 23.61M | 16.762M | 23.55M | 16.792M |
| 5320MHz | Pass | Inf | 23.13M | 16.822M | 23.28M | 16.852M | 23.88M | 16.822M | 23.25M | 16.792M |
| 5500MHz | Pass | Inf | 23.31M | 16.792M | 23.7M | 16.822M | 24.12M | 16.912M | 23.55M | 16.822M |
| 5580MHz | Pass | Inf | 23.43M | 16.702M | 23.73M | 16.762M | 23.43M | 16.822M | 22.83M | 16.672M |
| 5700MHz | Pass | Inf | 23.16M | 16.762M | 23.67M | 16.852M | 23.55M | 16.792M | 23.52M | 16.822M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.964M | 13.496M | 16.225M | 13.496M | 16.473M | 13.564M | 16.486M | 13.551M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.135M | 4.093M | 3.15M | 4.138M | 3.15M | 4.018M | 3.135M | 4.183M |
| 5745MHz | Pass | 500k | 16.29M | 17.241M | 16.32M | 19.13M | 16.32M | 17.121M | 16.29M | 22.219M |
| 5785MHz | Pass | 500k | 16.29M | 20.45M | 16.29M | 17.061M | 16.29M | 17.931M | 16.32M | 17.121M |
| 5825MHz | Pass | 500k | 16.35M | 18.171M | 16.32M | 18.891M | 16.32M | 16.972M | 16.32M | 21.349M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 24.87M | 19.01M | 24.66M | 19.01M | 24.66M | 19.04M | 24.87M | 18.981M |
| 5200MHz | Pass | Inf | 24.12M | 19.04M | 24.39M | 19.01M | 24.39M | 19.04M | 24.66M | 19.01M |
| 5240MHz | Pass | Inf | 23.76M | 19.04M | 25.65M | 19.07M | 24M | 19.04M | 25.05M | 19.1M |
| 5260MHz | Pass | Inf | 24.72M | 19.04M | 25.02M | 19.04M | 24.48M | 19.04M | 25.05M | 19.07M |
| 5300MHz | Pass | Inf | 24.66M | 19.04M | 24.99M | 19.04M | 24.87M | 19.01M | 24.72M | 19.07M |
| 5320MHz | Pass | Inf | 24.09M | 19.01M | 24M | 19.01M | 24.3M | 19.04M | 24.09M | 19.04M |
| 5500MHz | Pass | Inf | 23.97M | 19.04M | 24.72M | 19.07M | 23.64M | 19.04M | 24.69M | 19.04M |
| 5580MHz | Pass | Inf | 24.57M | 19.04M | 24.03M | 19.04M | 24.51M | 19.04M | 24.09M | 19.01M |
| 5700MHz | Pass | Inf | 24.42M | 19.04M | 24.48M | 19.07M | 24.63M | 19.04M | 24.66M | 19.04M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 17.009M | 14.54M | 16.734M | 14.581M | 17.105M | 14.54M | 16.83M | 14.554M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.455M | 4.588M | 4.455M | 4.573M | 4.47M | 4.603M | 4.485M | 4.573M |
| 5745MHz | Pass | 500k | 18.99M | 19.22M | 18.75M | 19.91M | 18.93M | 19.16M | 18.78M | 23.508M |
| 5785MHz | Pass | 500k | 18.99M | 19.28M | 18.66M | 20.45M | 18.9M | 19.1M | 18.93M | 24.828M |
| 5825MHz | Pass | 500k | 18.96M | 19.31M | 18.75M | 20.21M | 18.99M | 19.19M | 18.9M | 23.688M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | Inf | 42.42M | 38.081M | 42.84M | 37.961M | 42.36M | 38.021M | 42.6M | 37.901M |
| 5230MHz | Pass | Inf | 42.6M | 38.081M | 42.36M | 37.961M | 42.96M | 38.021M | 42.42M | 38.021M |
| 5270MHz | Pass | Inf | 42.18M | 38.021M | 42.42M | 38.081M | 42.36M | 38.081M | 42.42M | 38.021M |
| 5310MHz | Pass | Inf | 43.56M | 38.021M | 42.78M | 38.081M | 43.44M | 38.081M | 42.78M | 38.081M |
| 5510MHz | Pass | Inf | 42.42M | 38.081M | 42.3M | 37.961M | 42.6M | 38.021M | 42.42M | 38.021M |
| 5550MHz | Pass | Inf | 43.14M | 38.021M | 43.08M | 37.961M | 43.08M | 38.141M | 43.02M | 38.021M |
| 5670MHz | Pass | Inf | 42.3M | 37.961M | 43.02M | 38.081M | 42.42M | 38.021M | 42.96M | 38.081M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 36.18M | 33.902M | 36.518M | 33.902M | 36.248M | 33.902M | 36.585M | 33.969M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.99M | 4.093M | 3.96M | 4.123M | 3.99M | 4.108M | 3.99M | 4.123M |
| 5755MHz | Pass | 500k | 37.98M | 38.621M | 37.38M | 39.34M | 37.74M | 38.441M | 37.92M | 44.678M |
| 5795MHz | Pass | 500k | 37.44M | 38.801M | 36.96M | 40.84M | 37.86M | 38.381M | 37.8M | 45.997M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | Inf | 84.72M | 77.841M | 81.6M | 77.481M | 84.72M | 77.721M | 81.48M | 77.361M |
| 5290MHz | Pass | Inf | 81.96M | 77.841M | 81.6M | 77.601M | 81.96M | 77.961M | 81.48M | 77.601M |
| 5530MHz | Pass | Inf | 81.36M | 77.721M | 81.84M | 77.481M | 81.12M | 77.481M | 82.2M | 77.601M |
| 5610MHz | Pass | Inf | 81.48M | 77.601M | 81M | 77.361M | 81.24M | 77.601M | 81M | 77.721M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 75.52M | 73.492M | 75.815M | 73.566M | 75.668M | 73.418M | 75.815M | 73.492M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.735M | 4.048M | 3.69M | 4.093M | 3.735M | 4.063M | 3.72M | 4.093M |
| 5775MHz | Pass | 500k | 77.16M | 78.921M | 76.2M | 79.88M | 76.08M | 78.201M | 75.96M | 89.955M |

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

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5180MHz

16/07/2021

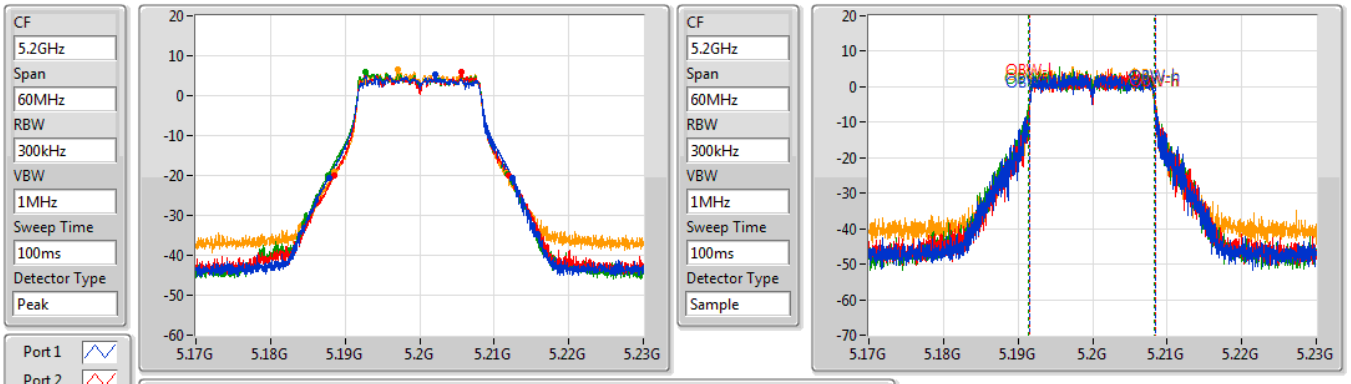



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.79M | 5.16791G | 5.1917G | 16.702M | 5.171574G | 5.188276G | Inf | 1 |
| 24.3M | 5.16773G | 5.19203G | 16.852M | 5.171574G | 5.188426G | Inf | 2 |
| 23.52M | 5.16872G | 5.19224G | 16.882M | 5.171484G | 5.188366G | Inf | 3 |
| 22.92M | 5.16872G | 5.19164G | 16.702M | 5.171604G | 5.188306G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5200MHz

16/07/2021

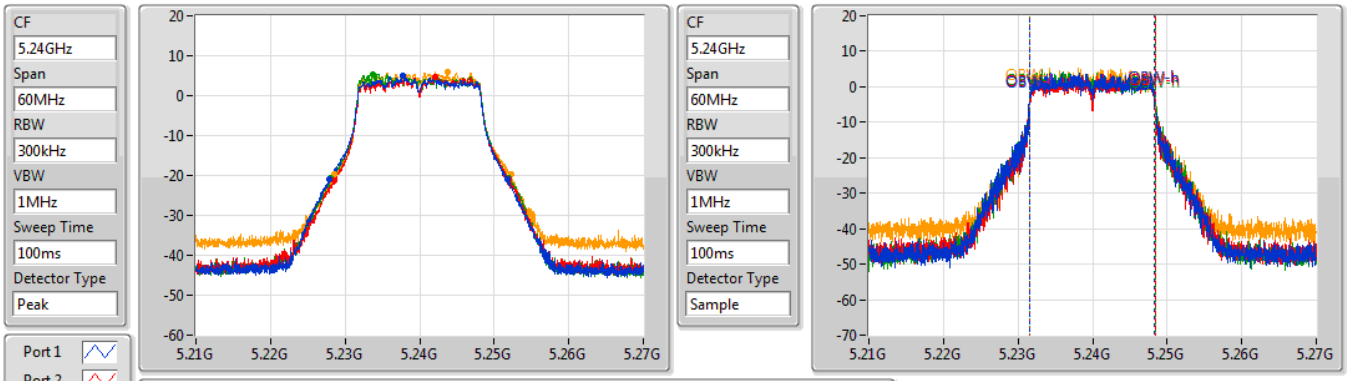



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.66M | 5.18782G | 5.21248G | 16.792M | 5.191574G | 5.208366G | Inf | 1 |
| 23.52M | 5.18848G | 5.212G | 16.822M | 5.191574G | 5.208396G | Inf | 2 |
| 24.15M | 5.1877G | 5.21185G | 16.882M | 5.191454G | 5.208336G | Inf | 3 |
| 23.01M | 5.1886G | 5.21161G | 16.762M | 5.191604G | 5.208366G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5240MHz

16/07/2021

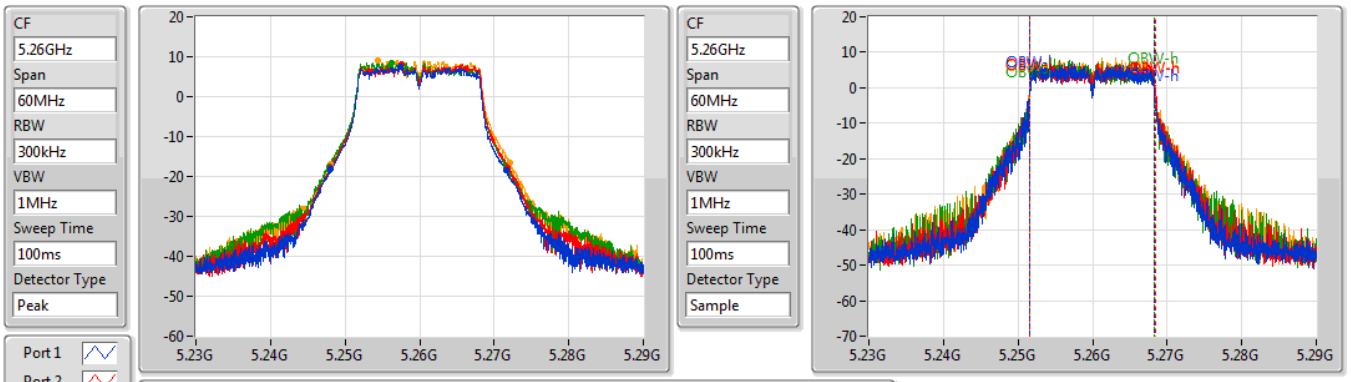



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.85M | 5.22788G | 5.25173G | 16.822M | 5.231514G | 5.248336G | Inf | 1 |
| 23.37M | 5.22863G | 5.252G | 16.852M | 5.231574G | 5.248426G | Inf | 2 |
| 23.82M | 5.22806G | 5.25188G | 16.912M | 5.231514G | 5.248426G | Inf | 3 |
| 23.58M | 5.22863G | 5.25221G | 16.732M | 5.231634G | 5.248366G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5260MHz

16/03/2021

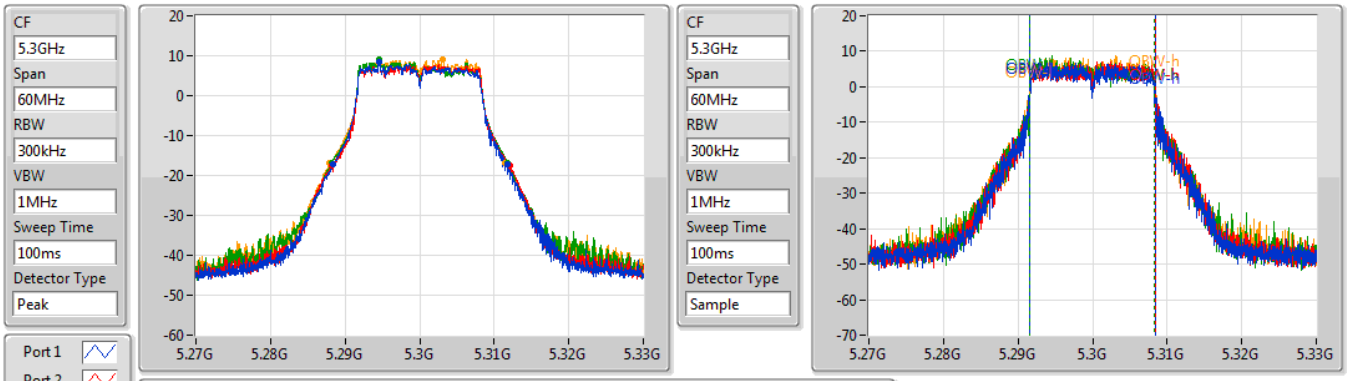



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.49M | 5.24812G | 5.27161G | 16.792M | 5.251514G | 5.268306G | Inf | 1 |
| 23.79M | 5.24806G | 5.27185G | 16.912M | 5.251514G | 5.268426G | Inf | 2 |
| 23.76M | 5.24782G | 5.27158G | 16.822M | 5.251484G | 5.268306G | Inf | 3 |
| 24.03M | 5.24806G | 5.27209G | 16.882M | 5.251544G | 5.268426G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5300MHz

16/03/2021

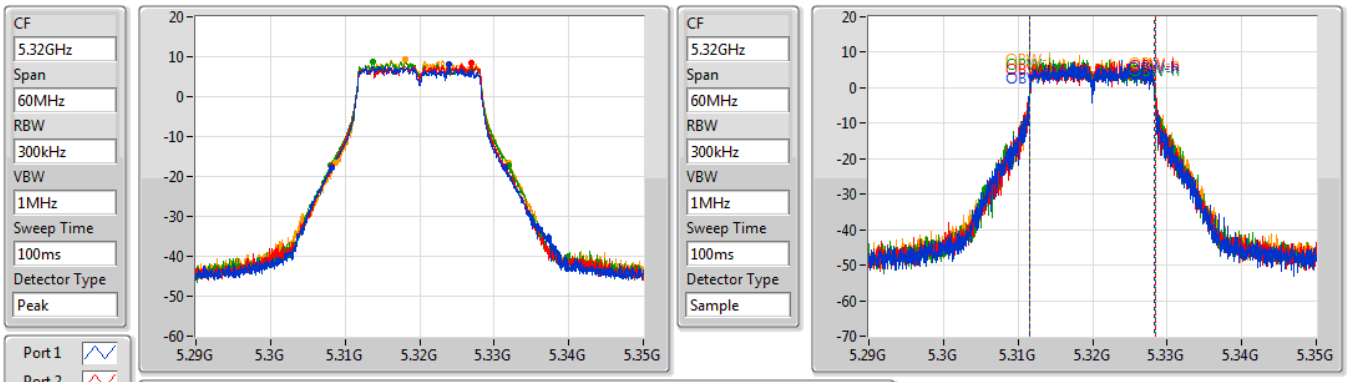



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.28M | 5.28842G | 5.3117G | 16.792M | 5.291574G | 5.308366G | Inf | 1 |
| 23.88M | 5.28818G | 5.31206G | 16.792M | 5.291604G | 5.308396G | Inf | 2 |
| 23.61M | 5.28815G | 5.31176G | 16.762M | 5.291574G | 5.308336G | Inf | 3 |
| 23.55M | 5.28794G | 5.31149G | 16.792M | 5.291604G | 5.308396G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5320MHz

16/03/2021

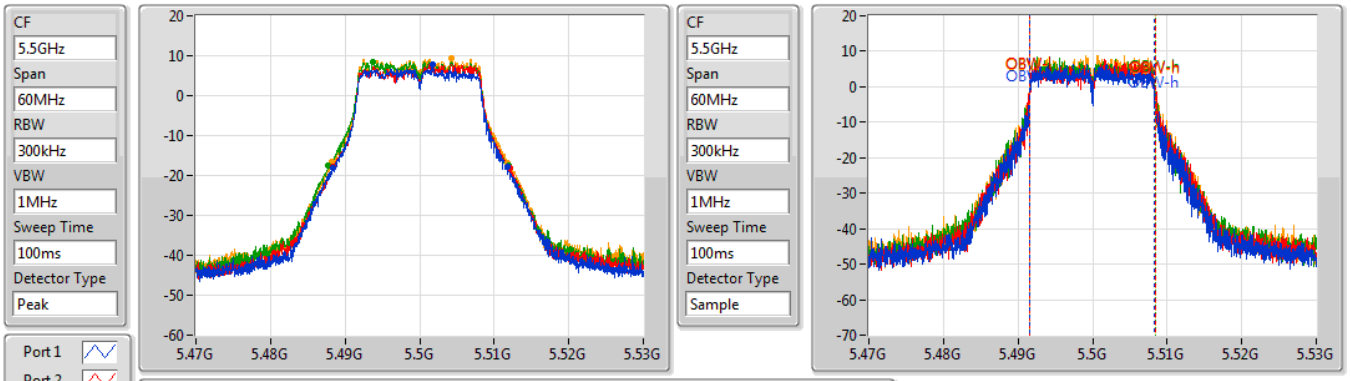



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.13M | 5.3083G | 5.33143G | 16.822M | 5.311514G | 5.328336G | Inf | 1 |
| 23.28M | 5.30818G | 5.33146G | 16.852M | 5.311544G | 5.328396G | Inf | 2 |
| 23.88M | 5.30806G | 5.33194G | 16.822M | 5.311574G | 5.328396G | Inf | 3 |
| 23.25M | 5.30872G | 5.33197G | 16.792M | 5.311634G | 5.328426G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5500MHz

16/03/2021

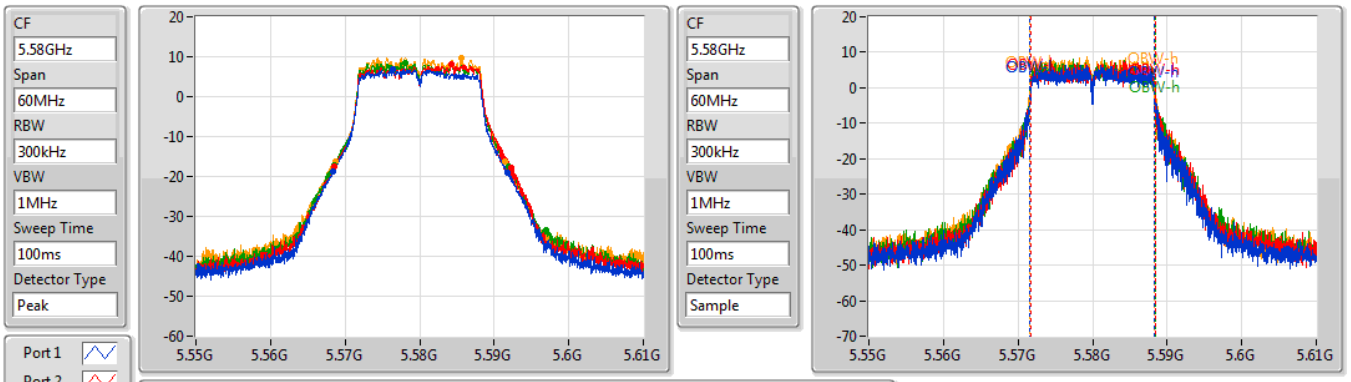



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.31M | 5.48839G | 5.5117G | 16.792M | 5.491544G | 5.508336G | Inf | 1 |
| 23.7M | 5.48836G | 5.51206G | 16.822M | 5.491604G | 5.508426G | Inf | 2 |
| 24.12M | 5.48776G | 5.51188G | 16.912M | 5.491514G | 5.508426G | Inf | 3 |
| 23.55M | 5.48827G | 5.51182G | 16.822M | 5.491574G | 5.508396G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5580MHz

16/03/2021

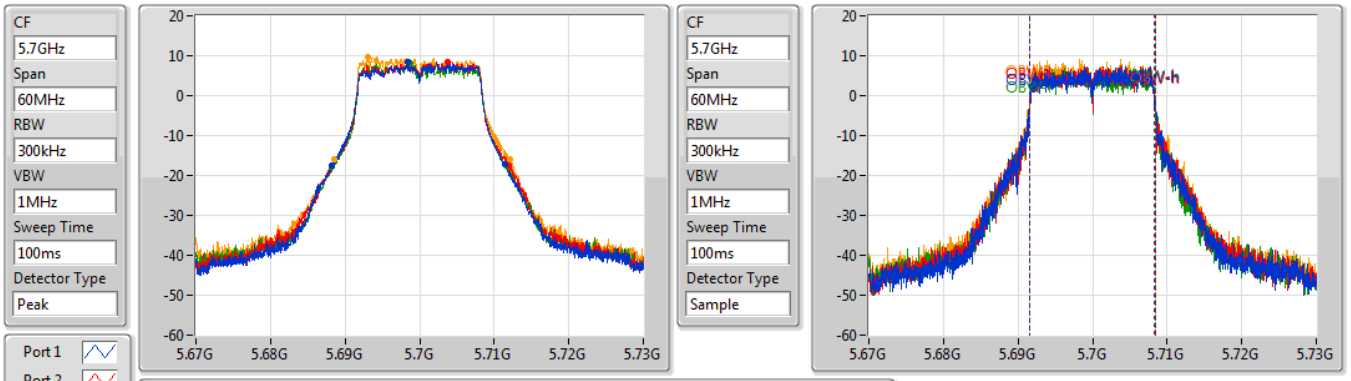



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.43M | 5.56836G | 5.59179G | 16.702M | 5.571604G | 5.588306G | Inf | 1 |
| 23.73M | 5.56857G | 5.5923G | 16.762M | 5.571664G | 5.588426G | Inf | 2 |
| 23.43M | 5.56851G | 5.59194G | 16.822M | 5.571574G | 5.588396G | Inf | 3 |
| 22.83M | 5.56869G | 5.59152G | 16.672M | 5.571634G | 5.588306G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5700MHz

16/03/2021

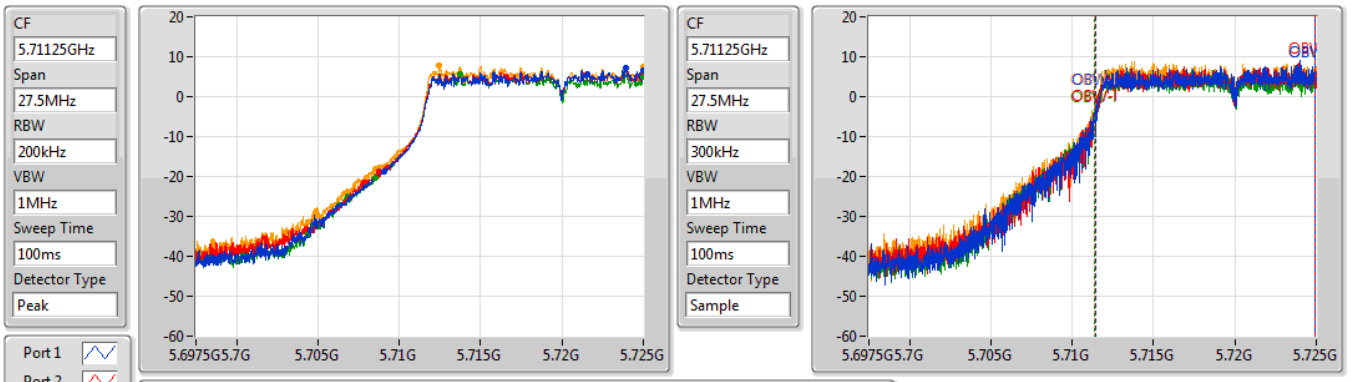



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.16M | 5.68827G | 5.71143G | 16.762M | 5.691574G | 5.708336G | Inf | 1 |
| 23.67M | 5.6883G | 5.71197G | 16.852M | 5.691544G | 5.708396G | Inf | 2 |
| 23.55M | 5.68815G | 5.7117G | 16.792M | 5.691574G | 5.708366G | Inf | 3 |
| 23.52M | 5.68857G | 5.71209G | 16.822M | 5.691544G | 5.708366G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5720MHz Straddle 5.47-5.725GHz

16/03/2021

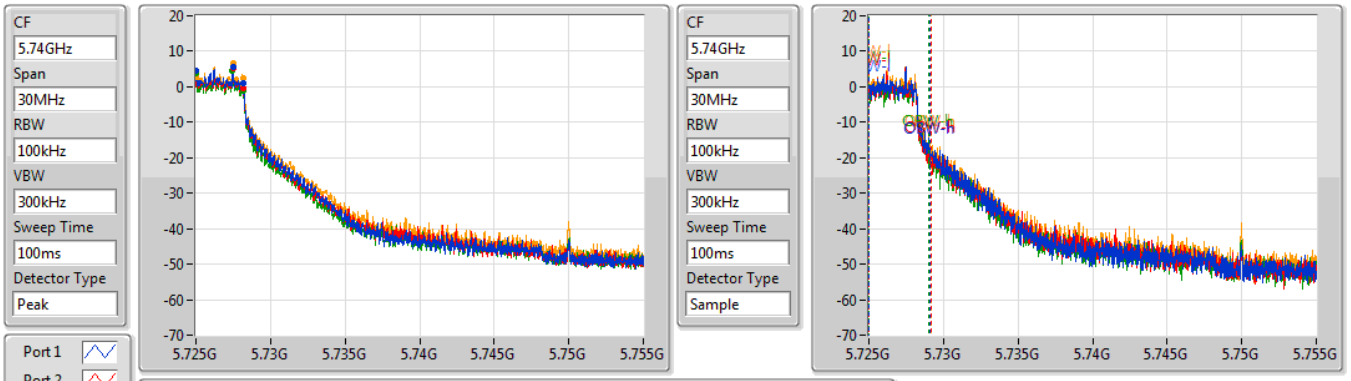



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.964M | 5.709036G | 5.725G | 13.496M | 5.711429G | 5.724924G | Inf | 1 |
| 16.225M | 5.708775G | 5.725G | 13.496M | 5.711442G | 5.724938G | Inf | 2 |
| 16.473M | 5.708528G | 5.725G | 13.564M | 5.71136G | 5.724924G | Inf | 3 |
| 16.486M | 5.708514G | 5.725G | 13.551M | 5.711401G | 5.724952G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5720MHz Straddle 5.725-5.85GHz

16/03/2021

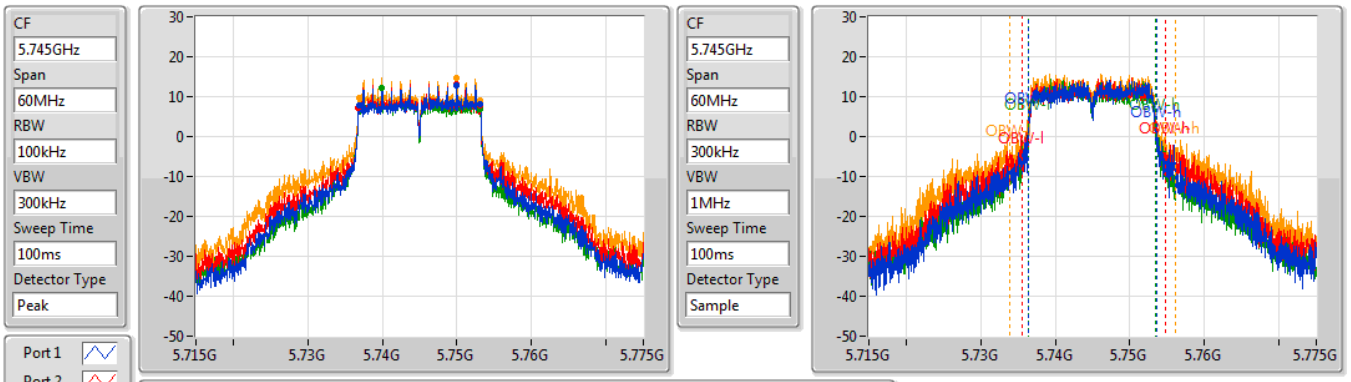



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.135M | 5.725G | 5.728135G | 4.093M | 5.725022G | 5.729115G | 500k | 1 |
| 3.15M | 5.725G | 5.72815G | 4.138M | 5.725007G | 5.729145G | 500k | 2 |
| 3.15M | 5.725G | 5.72815G | 4.018M | 5.725007G | 5.729025G | 500k | 3 |
| 3.135M | 5.725G | 5.728135G | 4.183M | 5.725007G | 5.72919G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5745MHz

16/03/2021

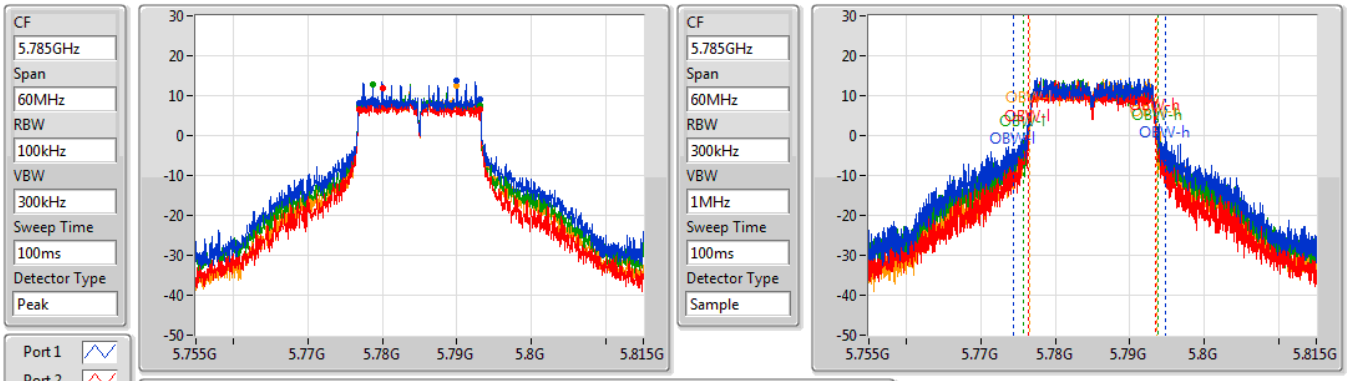



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.29M | 5.73684G | 5.75313G | 17.241M | 5.736394G | 5.753636G | 500k | 1 |
| 16.32M | 5.73681G | 5.75313G | 19.13M | 5.735585G | 5.754715G | 500k | 2 |
| 16.32M | 5.73681G | 5.75313G | 17.121M | 5.736364G | 5.753486G | 500k | 3 |
| 16.29M | 5.73684G | 5.75313G | 22.219M | 5.733936G | 5.756154G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5785MHz

08/02/2021

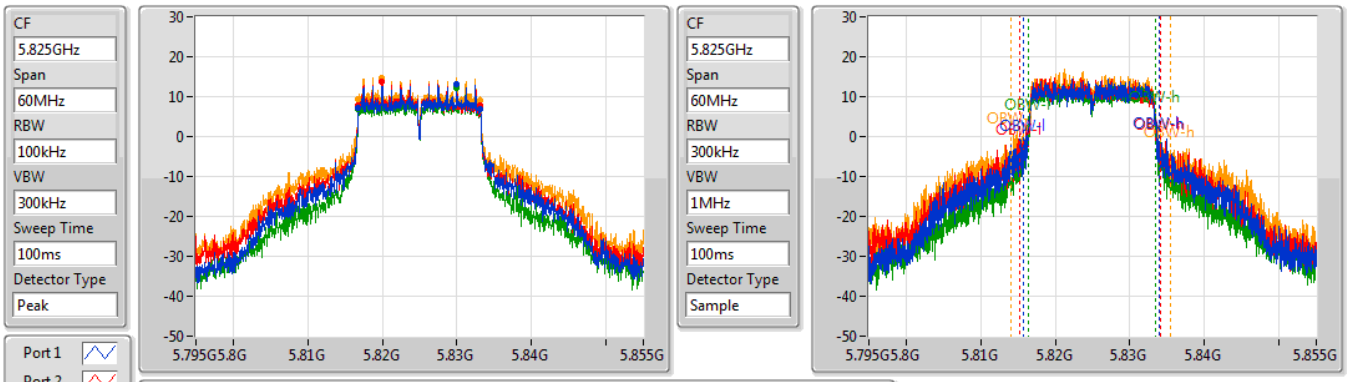



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.29M | 5.77684G | 5.79313G | 20.45M | 5.774385G | 5.794835G | 500k | 1 |
| 16.29M | 5.77684G | 5.79313G | 17.061M | 5.776364G | 5.793426G | 500k | 2 |
| 16.29M | 5.77684G | 5.79313G | 17.931M | 5.775795G | 5.793726G | 500k | 3 |
| 16.32M | 5.77684G | 5.79316G | 17.121M | 5.776514G | 5.793636G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5825MHz

16/03/2021

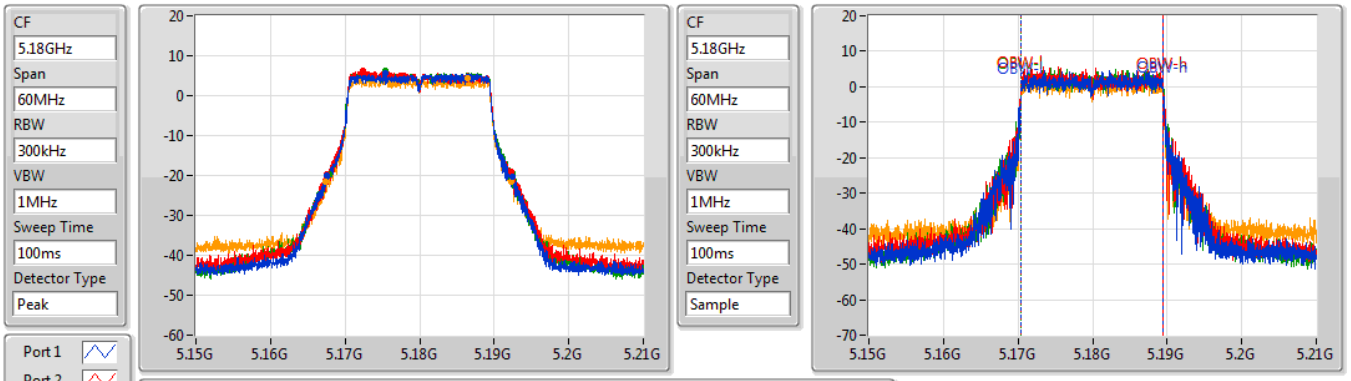



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.35M | 5.81681G | 5.83316G | 18.171M | 5.815795G | 5.833966G | 500k | 1 |
| 16.32M | 5.81681G | 5.83313G | 18.891M | 5.815225G | 5.834115G | 500k | 2 |
| 16.32M | 5.81681G | 5.83313G | 16.972M | 5.816424G | 5.833396G | 500k | 3 |
| 16.32M | 5.81681G | 5.83313G | 21.349M | 5.814055G | 5.835405G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5180MHz

16/07/2021

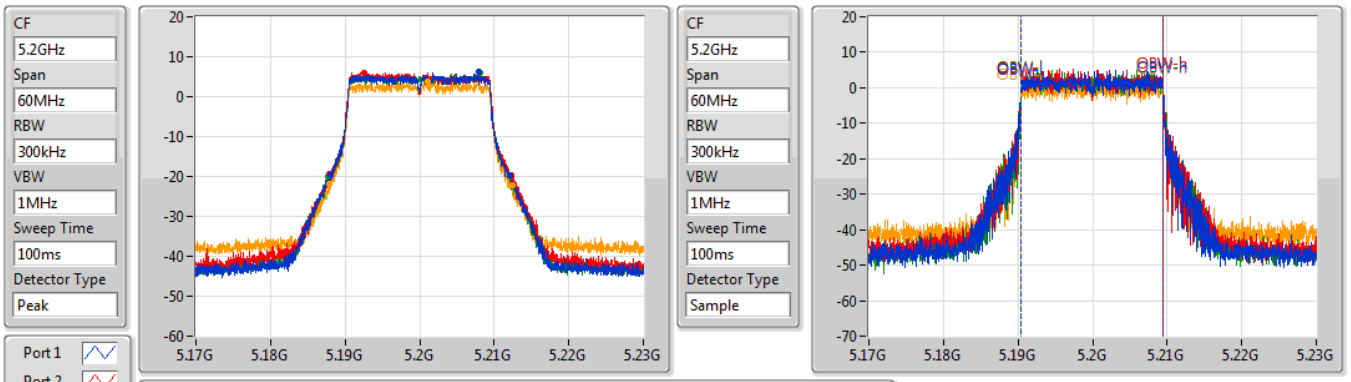



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.87M | 5.16758G | 5.19245G | 19.01M | 5.170435G | 5.189445G | Inf | 1 |
| 24.66M | 5.16761G | 5.19227G | 19.01M | 5.170435G | 5.189445G | Inf | 2 |
| 24.66M | 5.16782G | 5.19248G | 19.04M | 5.170435G | 5.189475G | Inf | 3 |
| 24.87M | 5.16743G | 5.1923G | 18.981M | 5.170465G | 5.189445G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5200MHz

16/07/2021

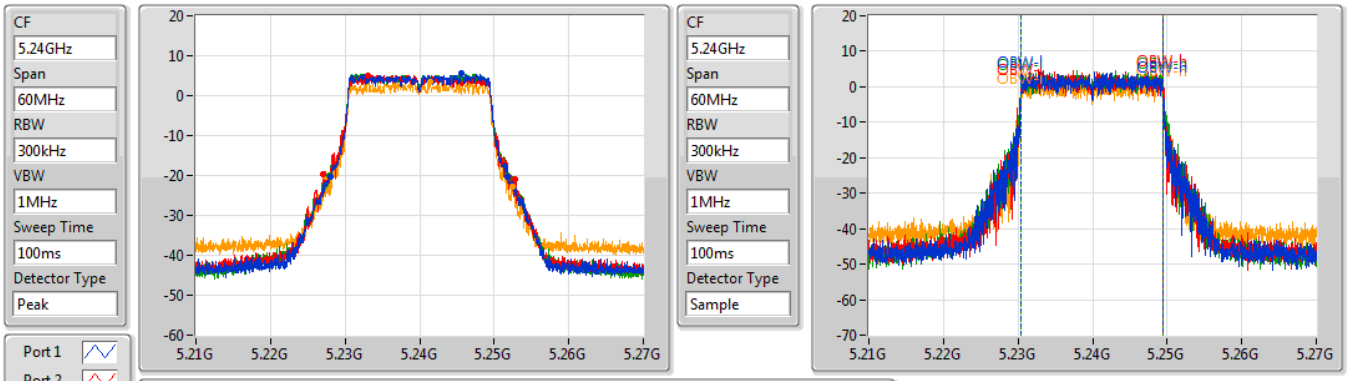



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.12M | 5.18797G | 5.21209G | 19.04M | 5.190435G | 5.209475G | Inf | 1 |
| 24.39M | 5.18794G | 5.21233G | 19.01M | 5.190465G | 5.209475G | Inf | 2 |
| 24.39M | 5.18779G | 5.21218G | 19.04M | 5.190435G | 5.209475G | Inf | 3 |
| 24.66M | 5.18782G | 5.21248G | 19.01M | 5.190465G | 5.209475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5240MHz

16/07/2021

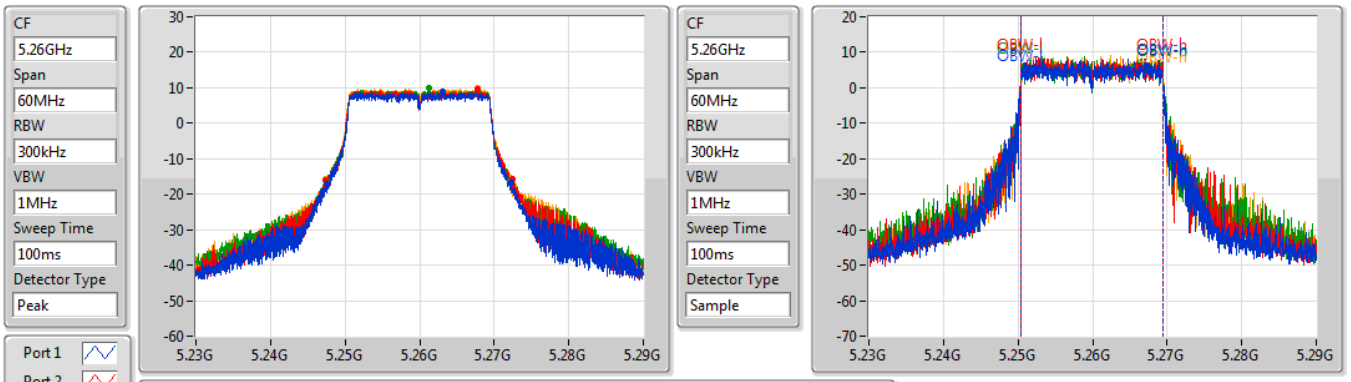



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.76M | 5.228G | 5.25176G | 19.04M | 5.230405G | 5.249445G | Inf | 1 |
| 25.65M | 5.2271G | 5.25275G | 19.07M | 5.230405G | 5.249475G | Inf | 2 |
| 24M | 5.22782G | 5.25182G | 19.04M | 5.230435G | 5.249475G | Inf | 3 |
| 25.05M | 5.2274G | 5.25245G | 19.1M | 5.230405G | 5.249505G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5260MHz

16/03/2021

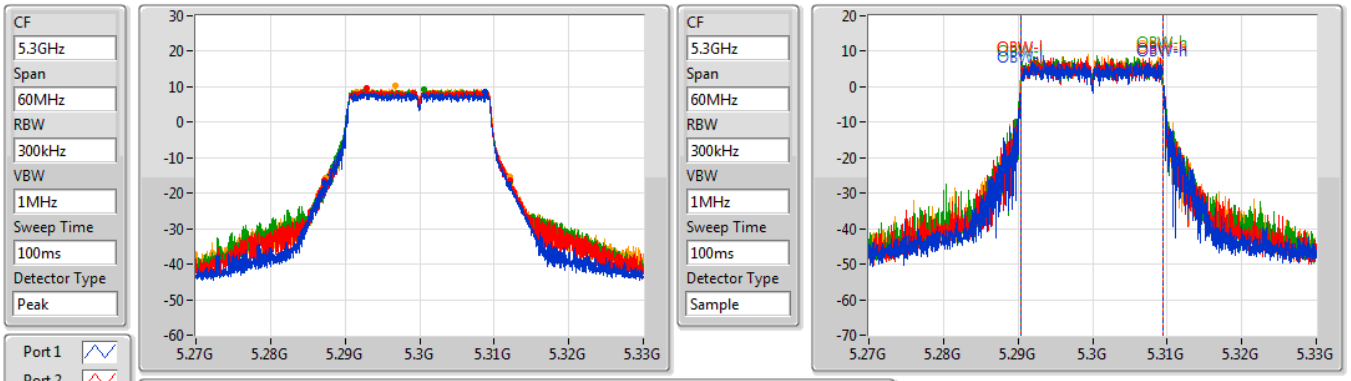



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.72M | 5.24749G | 5.27221G | 19.04M | 5.250405G | 5.269445G | Inf | 1 |
| 25.02M | 5.24743G | 5.27245G | 19.04M | 5.250405G | 5.269445G | Inf | 2 |
| 24.48M | 5.24758G | 5.27206G | 19.04M | 5.250405G | 5.269445G | Inf | 3 |
| 25.05M | 5.24743G | 5.27248G | 19.07M | 5.250405G | 5.269475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5300MHz

16/03/2021

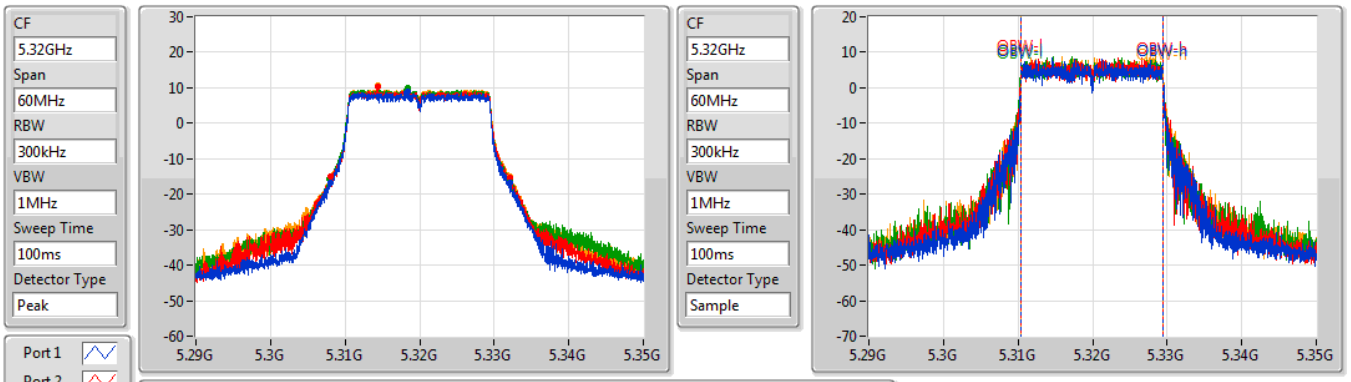



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.66M | 5.28725G | 5.31191G | 19.04M | 5.290435G | 5.309475G | Inf | 1 |
| 24.99M | 5.28716G | 5.31215G | 19.04M | 5.290435G | 5.309475G | Inf | 2 |
| 24.87M | 5.28719G | 5.31206G | 19.01M | 5.290435G | 5.309445G | Inf | 3 |
| 24.72M | 5.28734G | 5.31206G | 19.07M | 5.290375G | 5.309445G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5320MHz

16/03/2021

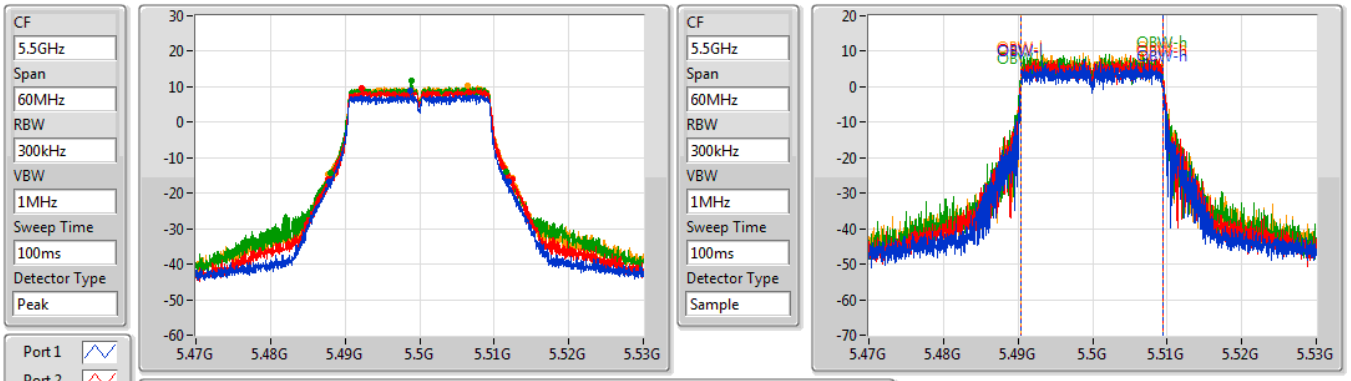



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.09M | 5.30797G | 5.33206G | 19.01M | 5.310435G | 5.329445G | Inf | 1 |
| 24M | 5.30812G | 5.33212G | 19.01M | 5.310435G | 5.329445G | Inf | 2 |
| 24.3M | 5.30785G | 5.33215G | 19.04M | 5.310405G | 5.329445G | Inf | 3 |
| 24.09M | 5.30806G | 5.33215G | 19.04M | 5.310435G | 5.329475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5500MHz

16/03/2021

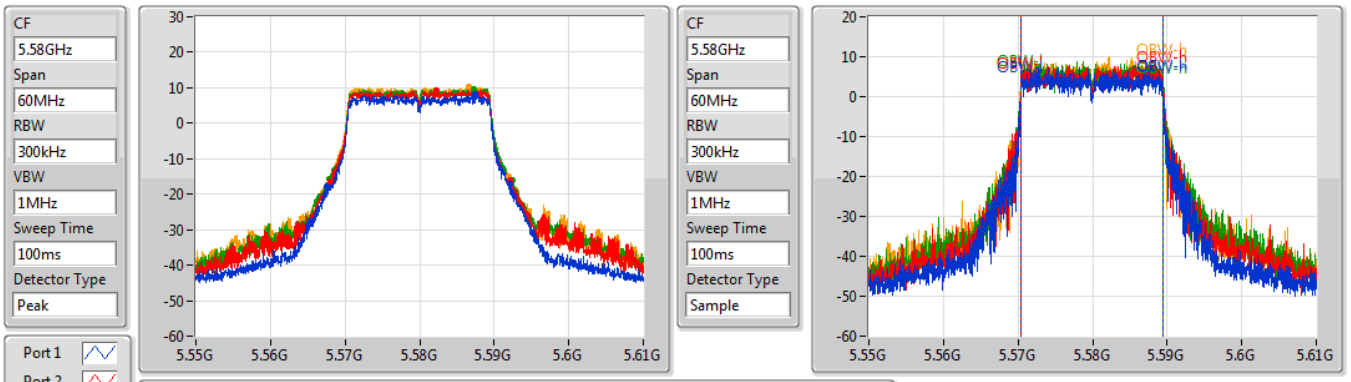



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.97M | 5.48791G | 5.51188G | 19.04M | 5.490435G | 5.509475G | Inf | 1 |
| 24.72M | 5.4877G | 5.51242G | 19.07M | 5.490435G | 5.509505G | Inf | 2 |
| 23.64M | 5.48803G | 5.51167G | 19.04M | 5.490405G | 5.509445G | Inf | 3 |
| 24.69M | 5.48779G | 5.51248G | 19.04M | 5.490435G | 5.509475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5580MHz

16/03/2021

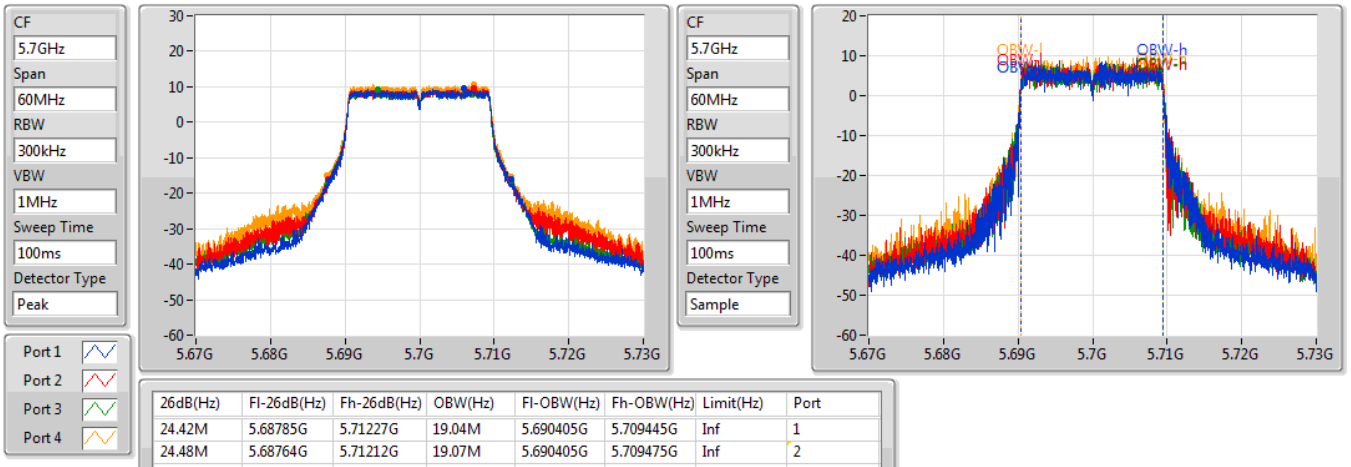



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.57M | 5.56761G | 5.59218G | 19.04M | 5.570435G | 5.589475G | Inf | 1 |
| 24.03M | 5.56809G | 5.59212G | 19.04M | 5.570435G | 5.589475G | Inf | 2 |
| 24.51M | 5.56788G | 5.59239G | 19.04M | 5.570435G | 5.589475G | Inf | 3 |
| 24.09M | 5.56794G | 5.59203G | 19.01M | 5.570435G | 5.589445G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5700MHz

16/03/2021

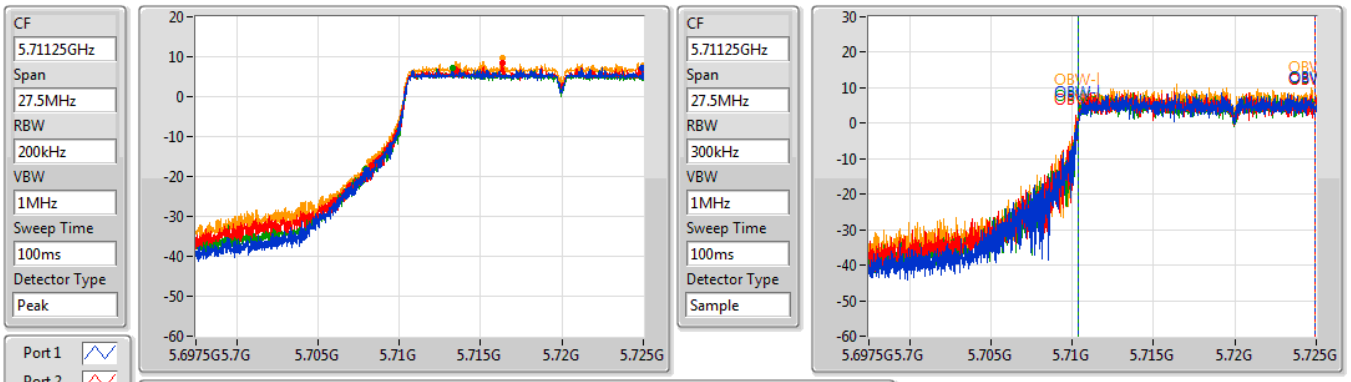



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 24.42M | 5.68785G | 5.71227G | 19.04M | 5.690405G | 5.709445G | Inf | 1 |
| 24.48M | 5.68764G | 5.71212G | 19.07M | 5.690405G | 5.709475G | Inf | 2 |
| 24.63M | 5.68767G | 5.7123G | 19.04M | 5.690405G | 5.709445G | Inf | 3 |
| 24.66M | 5.68758G | 5.71224G | 19.04M | 5.690435G | 5.709475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5720MHz Straddle 5.47-5.725GHz

16/03/2021

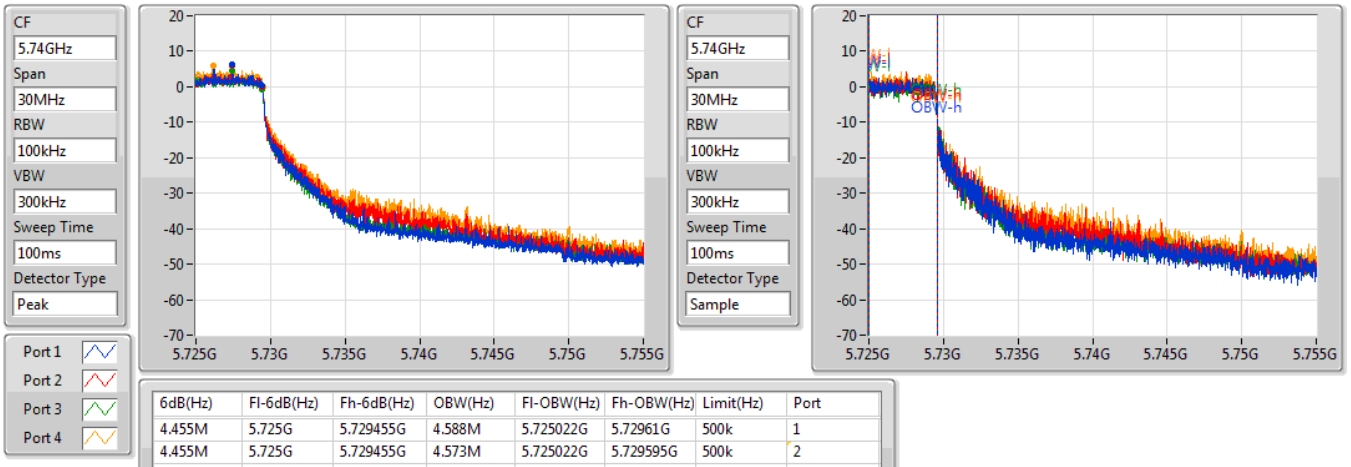



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.009M | 5.707991G | 5.725G | 14.54M | 5.710384G | 5.724924G | Inf | 1 |
| 16.734M | 5.708266G | 5.725G | 14.581M | 5.710357G | 5.724938G | Inf | 2 |
| 17.105M | 5.707895G | 5.725G | 14.54M | 5.710384G | 5.724924G | Inf | 3 |
| 16.83M | 5.70817G | 5.725G | 14.554M | 5.710384G | 5.724938G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5720MHz Straddle 5.725-5.85GHz

16/03/2021

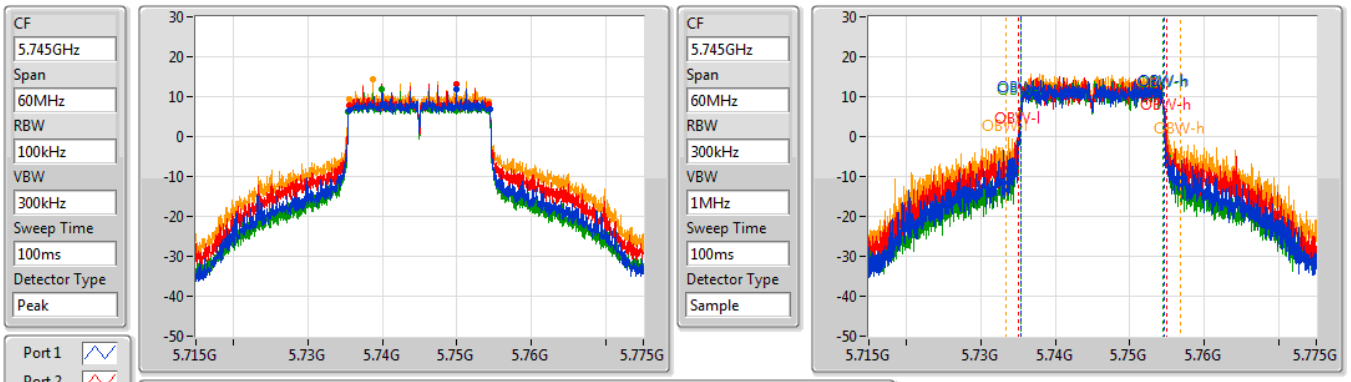



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.455M | 5.725G | 5.729455G | 4.588M | 5.725022G | 5.72961G | 500k | 1 |
| 4.455M | 5.725G | 5.729455G | 4.573M | 5.725022G | 5.729595G | 500k | 2 |
| 4.47M | 5.725G | 5.72947G | 4.603M | 5.725022G | 5.729625G | 500k | 3 |
| 4.485M | 5.725G | 5.729485G | 4.573M | 5.725022G | 5.729595G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5745MHz

16/03/2021

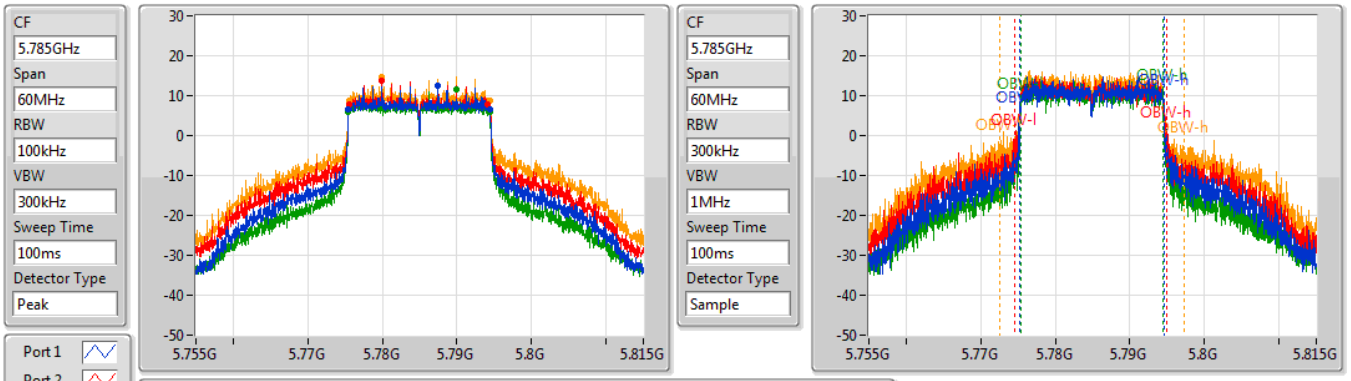



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.99M | 5.73549G | 5.75448G | 19.22M | 5.735315G | 5.754535G | 500k | 1 |
| 18.75M | 5.73549G | 5.75424G | 19.91M | 5.735015G | 5.754925G | 500k | 2 |
| 18.93M | 5.73546G | 5.75439G | 19.16M | 5.735345G | 5.754505G | 500k | 3 |
| 18.78M | 5.73552G | 5.7543G | 23.508M | 5.733306G | 5.756814G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5785MHz

16/03/2021

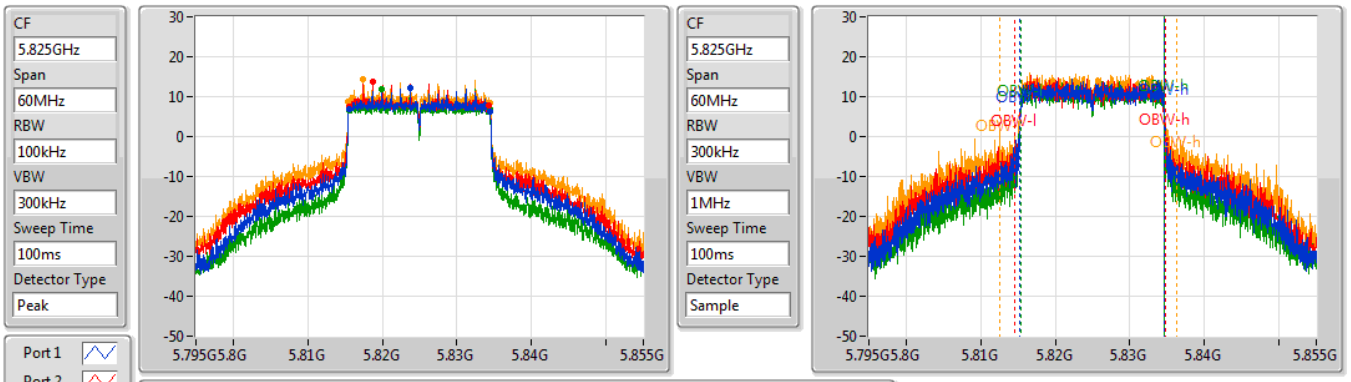



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.99M | 5.77546G | 5.79445G | 19.28M | 5.775285G | 5.794565G | 500k | 1 |
| 18.66M | 5.77549G | 5.79415G | 20.45M | 5.774535G | 5.794985G | 500k | 2 |
| 18.9M | 5.77546G | 5.79436G | 19.1M | 5.775375G | 5.794475G | 500k | 3 |
| 18.93M | 5.77549G | 5.79442G | 24.828M | 5.772466G | 5.797294G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5825MHz

16/03/2021

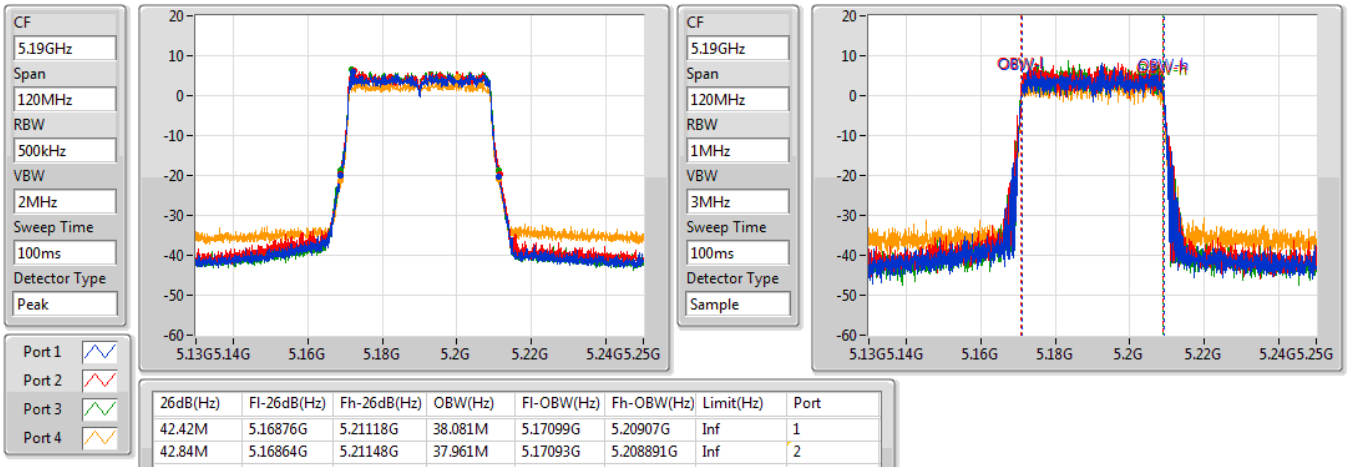



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.96M | 5.81549G | 5.83445G | 19.31M | 5.815255G | 5.834565G | 500k | 1 |
| 18.75M | 5.81549G | 5.83424G | 20.21M | 5.814535G | 5.834745G | 500k | 2 |
| 18.99M | 5.81549G | 5.83448G | 19.19M | 5.815345G | 5.834535G | 500k | 3 |
| 18.9M | 5.81546G | 5.83436G | 23.688M | 5.812586G | 5.836274G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5190MHz

16/07/2021

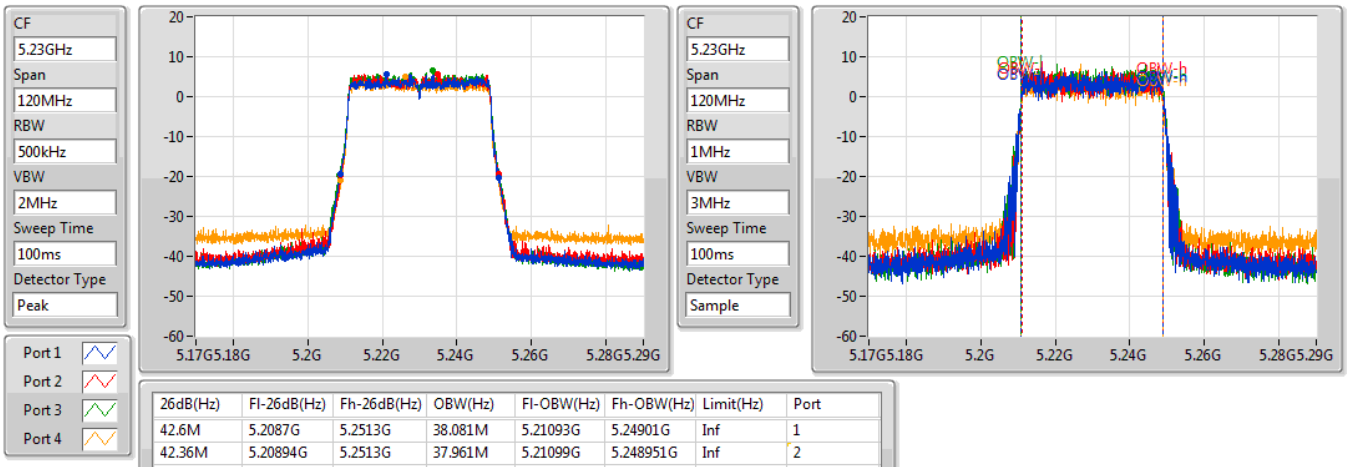



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.42M | 5.16876G | 5.21118G | 38.081M | 5.17099G | 5.20907G | Inf | 1 |
| 42.84M | 5.16864G | 5.21148G | 37.961M | 5.17093G | 5.208891G | Inf | 2 |
| 42.36M | 5.16876G | 5.21112G | 38.021M | 5.17099G | 5.20901G | Inf | 3 |
| 42.6M | 5.16876G | 5.21136G | 37.901M | 5.17099G | 5.208891G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5230MHz

16/07/2021

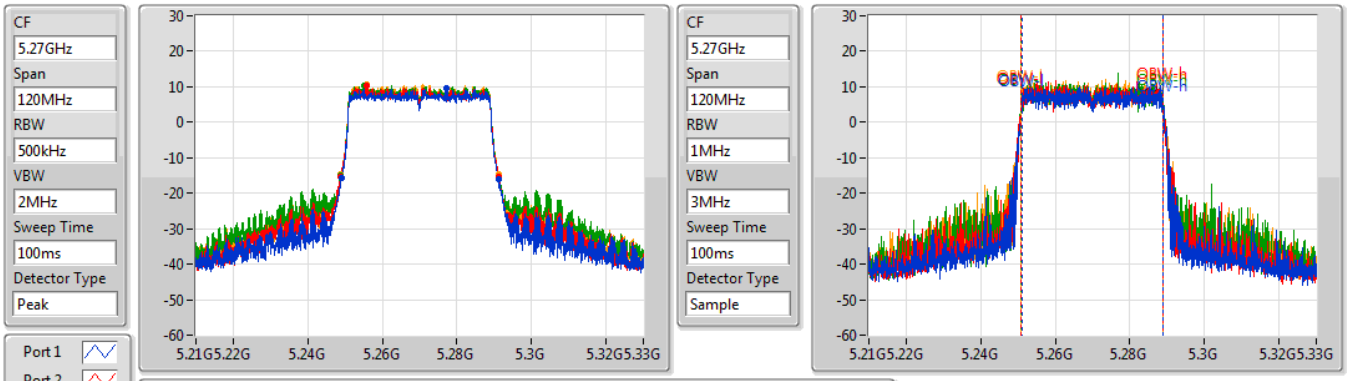



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.6M | 5.2087G | 5.2513G | 38.081M | 5.21093G | 5.24901G | Inf | 1 |
| 42.36M | 5.20894G | 5.2513G | 37.961M | 5.21099G | 5.248951G | Inf | 2 |
| 42.96M | 5.2084G | 5.25136G | 38.021M | 5.21093G | 5.248951G | Inf | 3 |
| 42.42M | 5.20888G | 5.2513G | 38.021M | 5.21093G | 5.248951G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5270MHz

16/03/2021

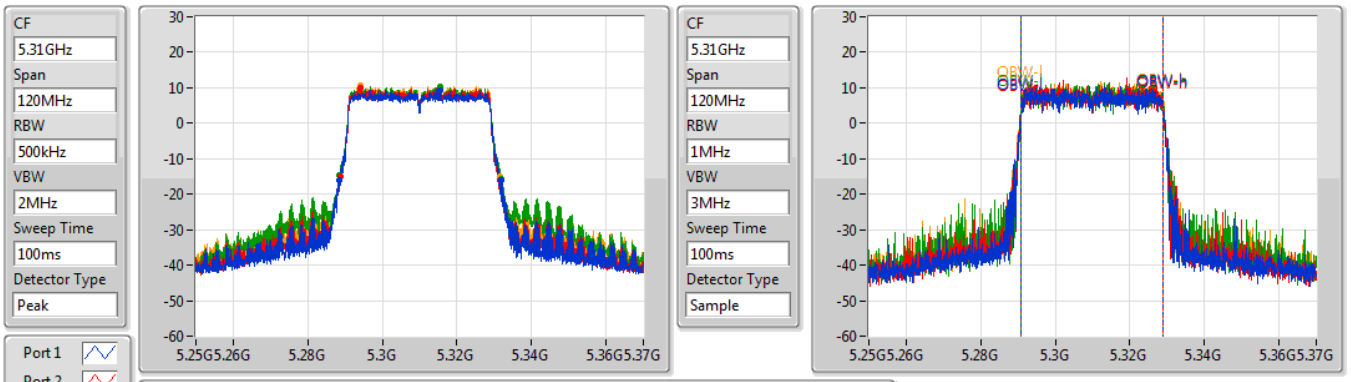



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.18M | 5.249G | 5.29118G | 38.021M | 5.25099G | 5.28901G | Inf | 1 |
| 42.42M | 5.24882G | 5.29124G | 38.081M | 5.25087G | 5.288951G | Inf | 2 |
| 42.36M | 5.24888G | 5.29124G | 38.081M | 5.25093G | 5.28901G | Inf | 3 |
| 42.42M | 5.24882G | 5.29124G | 38.021M | 5.25093G | 5.288951G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5310MHz

16/03/2021

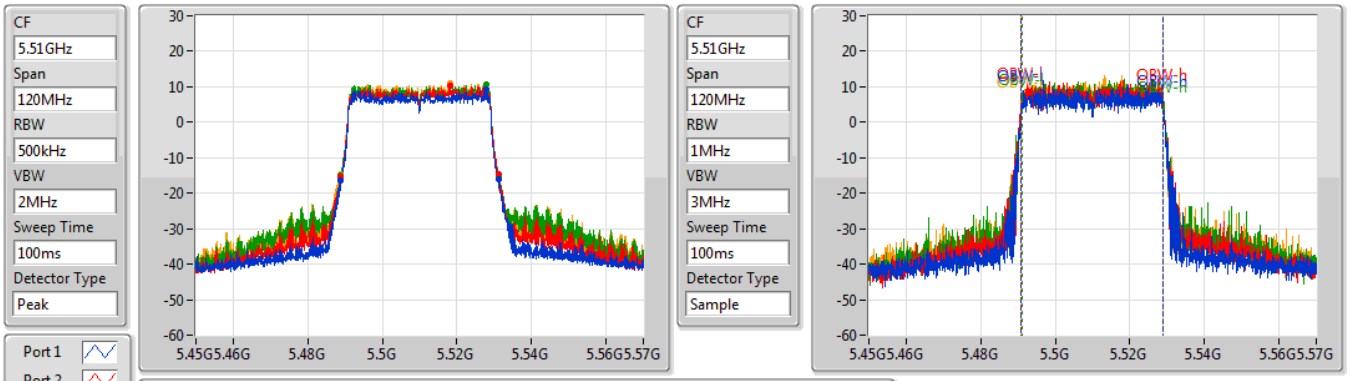



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 43.56M | 5.28834G | 5.3319G | 38.021M | 5.29093G | 5.328951G | Inf | 1 |
| 42.78M | 5.28888G | 5.33166G | 38.081M | 5.29087G | 5.328951G | Inf | 2 |
| 43.44M | 5.28846G | 5.3319G | 38.081M | 5.29087G | 5.328951G | Inf | 3 |
| 42.78M | 5.28882G | 5.3316G | 38.081M | 5.29093G | 5.32901G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5510MHz

16/03/2021

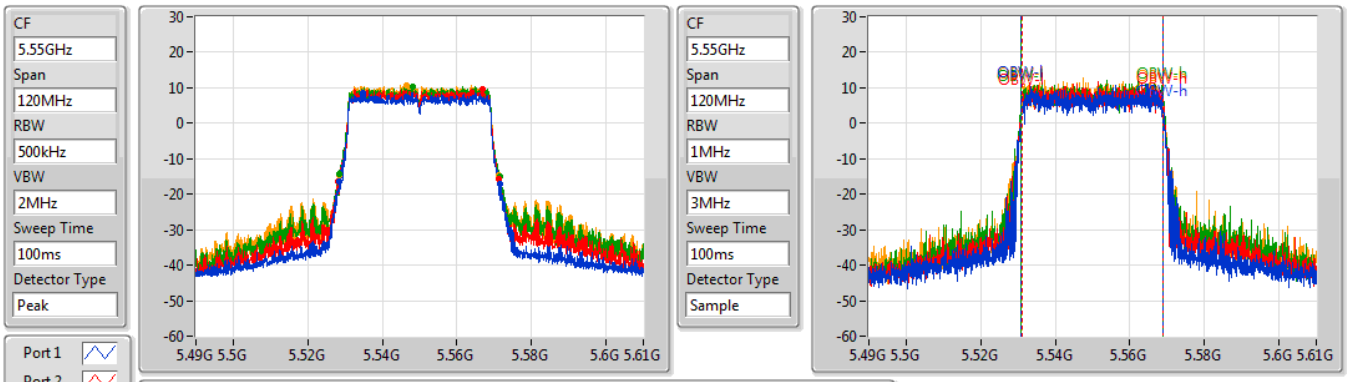



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.42M | 5.4887G | 5.53112G | 38.081M | 5.49093G | 5.52901G | Inf | 1 |
| 42.3M | 5.48888G | 5.53118G | 37.961M | 5.49093G | 5.528891G | Inf | 2 |
| 42.6M | 5.4887G | 5.5313G | 38.021M | 5.49099G | 5.52901G | Inf | 3 |
| 42.42M | 5.48876G | 5.53118G | 38.021M | 5.49093G | 5.528951G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5550MHz

16/03/2021

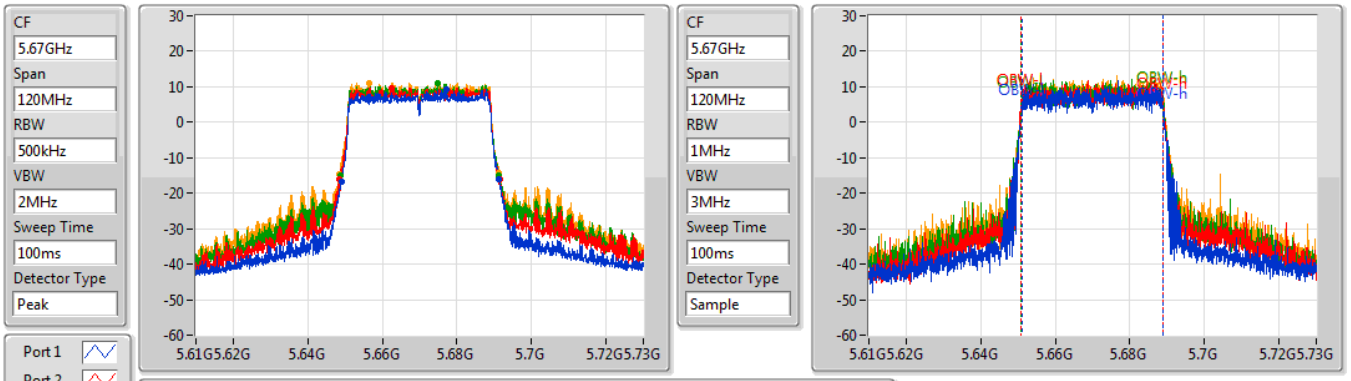



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 43.14M | 5.52834G | 5.57148G | 38.021M | 5.53093G | 5.568951G | Inf | 1 |
| 43.08M | 5.52816G | 5.57124G | 37.961M | 5.53099G | 5.568951G | Inf | 2 |
| 43.08M | 5.52834G | 5.57142G | 38.141M | 5.53087G | 5.56901G | Inf | 3 |
| 43.02M | 5.52828G | 5.5713G | 38.021M | 5.53099G | 5.56901G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5670MHz

16/03/2021

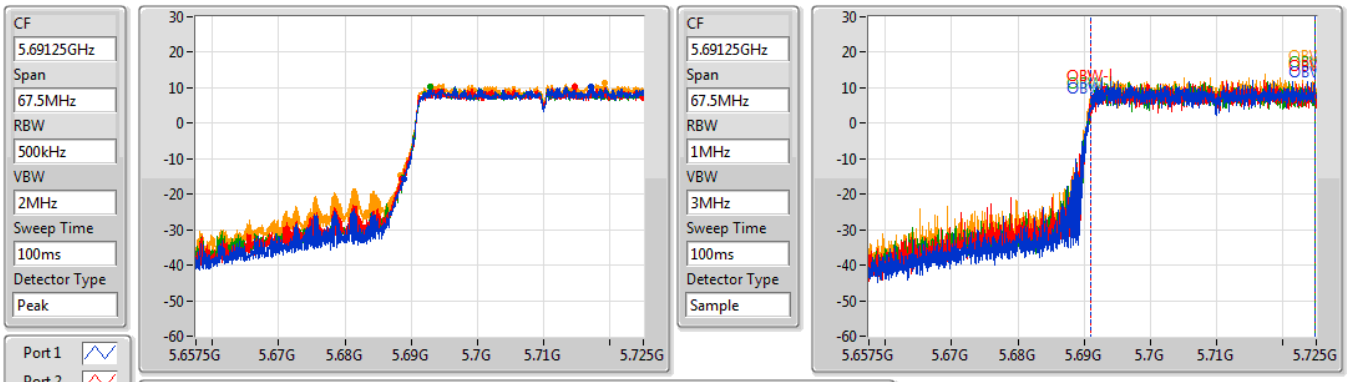



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 42.3M | 5.649G | 5.6913G | 37.961M | 5.65099G | 5.688951G | Inf | 1 |
| 43.02M | 5.64846G | 5.69148G | 38.081M | 5.65093G | 5.68901G | Inf | 2 |
| 42.42M | 5.64876G | 5.69118G | 38.021M | 5.65093G | 5.688951G | Inf | 3 |
| 42.96M | 5.6484G | 5.69136G | 38.081M | 5.65093G | 5.68901G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5710MHz Straddle 5.47-5.725GHz

16/03/2021

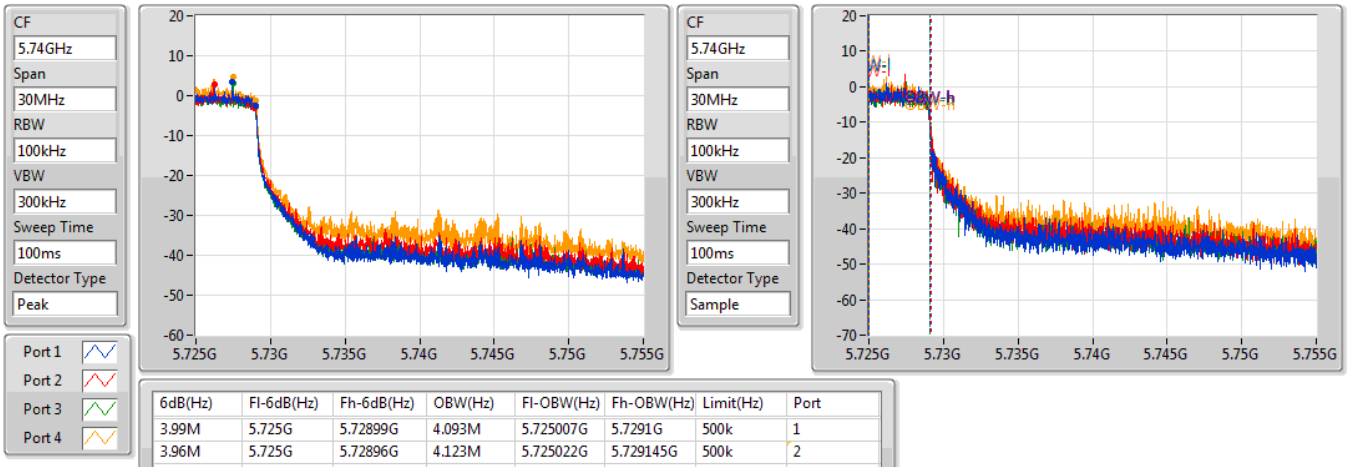



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 36.18M | 5.68882G | 5.725G | 33.902M | 5.690913G | 5.724814G | Inf | 1 |
| 36.518M | 5.688483G | 5.725G | 33.902M | 5.690913G | 5.724814G | Inf | 2 |
| 36.248M | 5.688753G | 5.725G | 33.902M | 5.690946G | 5.724848G | Inf | 3 |
| 36.585M | 5.688415G | 5.725G | 33.969M | 5.690879G | 5.724848G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5710MHz Straddle 5.725-5.85GHz

16/03/2021

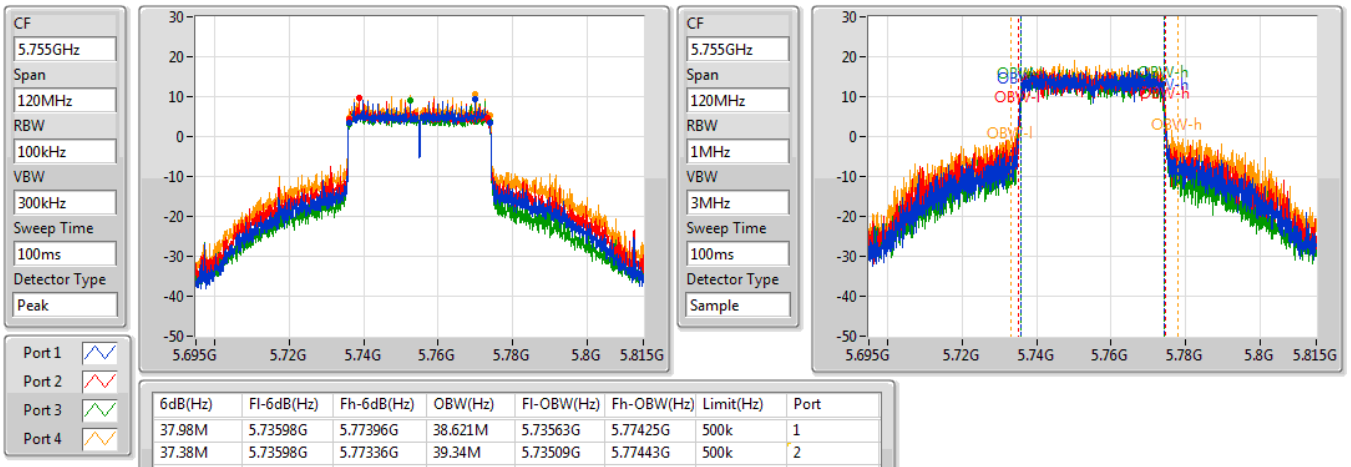



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.99M | 5.725G | 5.72899G | 4.093M | 5.725007G | 5.7291G | 500k | 1 |
| 3.96M | 5.725G | 5.72896G | 4.123M | 5.725022G | 5.729145G | 500k | 2 |
| 3.99M | 5.725G | 5.72899G | 4.108M | 5.725007G | 5.729115G | 500k | 3 |
| 3.99M | 5.725G | 5.72899G | 4.123M | 5.725022G | 5.729145G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5755MHz

16/03/2021

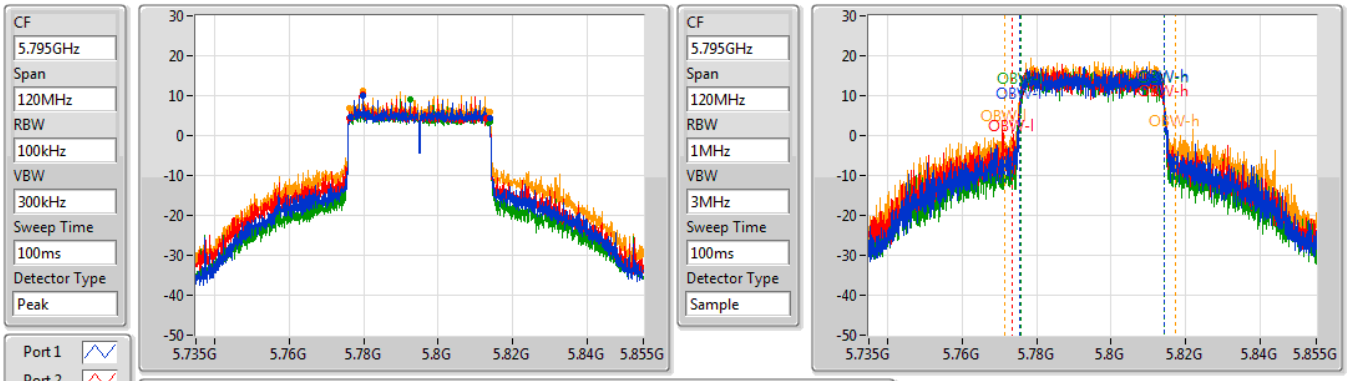



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.98M | 5.73598G | 5.77396G | 38.621M | 5.73563G | 5.77425G | 500k | 1 |
| 37.38M | 5.73598G | 5.77336G | 39.34M | 5.73509G | 5.77443G | 500k | 2 |
| 37.74M | 5.7361G | 5.77384G | 38.441M | 5.73569G | 5.77413G | 500k | 3 |
| 37.92M | 5.73604G | 5.77396G | 44.678M | 5.733111G | 5.777789G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5795MHz

16/03/2021

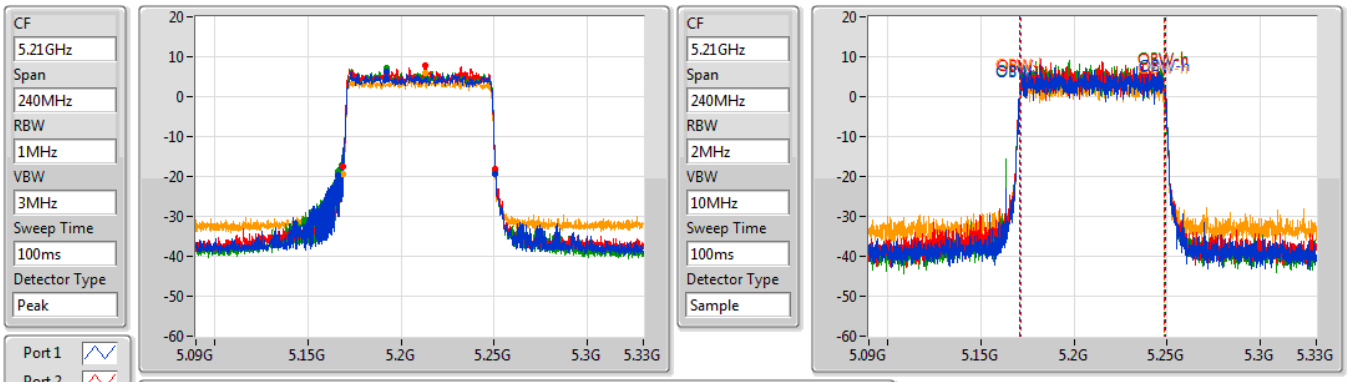



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.44M | 5.7764G | 5.81384G | 38.801M | 5.77551G | 5.81431G | 500k | 1 |
| 36.96M | 5.77598G | 5.81294G | 40.84M | 5.773531G | 5.81437G | 500k | 2 |
| 37.86M | 5.77598G | 5.81384G | 38.381M | 5.77569G | 5.81407G | 500k | 3 |
| 37.8M | 5.77616G | 5.81396G | 45.997M | 5.771312G | 5.817309G | 500k | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5210MHz

16/07/2021

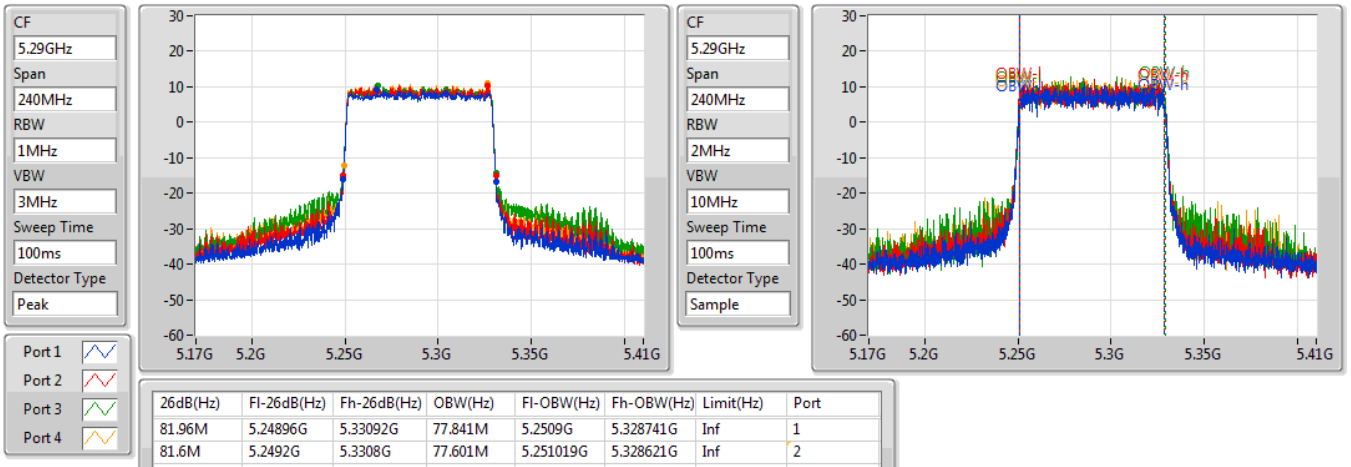



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 84.72M | 5.16596G | 5.25068G | 77.841M | 5.171019G | 5.248861G | Inf | 1 |
| 81.6M | 5.16908G | 5.25068G | 77.481M | 5.171259G | 5.248741G | Inf | 2 |
| 84.72M | 5.16596G | 5.25068G | 77.721M | 5.171019G | 5.248741G | Inf | 3 |
| 81.48M | 5.1692G | 5.25068G | 77.361M | 5.171139G | 5.248501G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5290MHz

16/03/2021

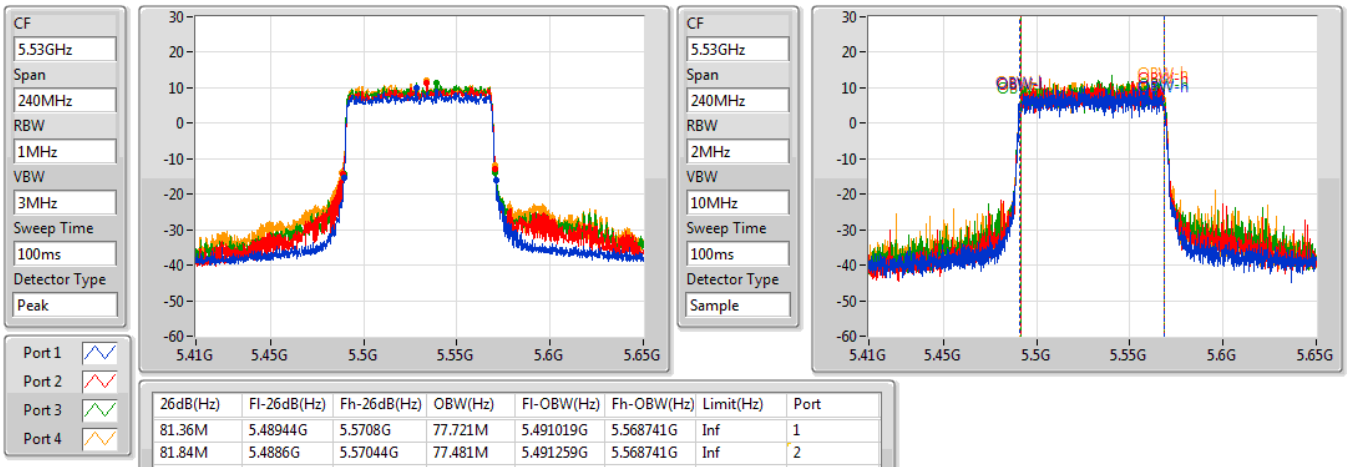



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.96M | 5.24896G | 5.33092G | 77.841M | 5.2509G | 5.328741G | Inf | 1 |
| 81.6M | 5.2492G | 5.3308G | 77.601M | 5.251019G | 5.328621G | Inf | 2 |
| 81.96M | 5.24896G | 5.33092G | 77.961M | 5.2509G | 5.328861G | Inf | 3 |
| 81.48M | 5.24932G | 5.3308G | 77.601M | 5.251019G | 5.328621G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5530MHz

16/03/2021

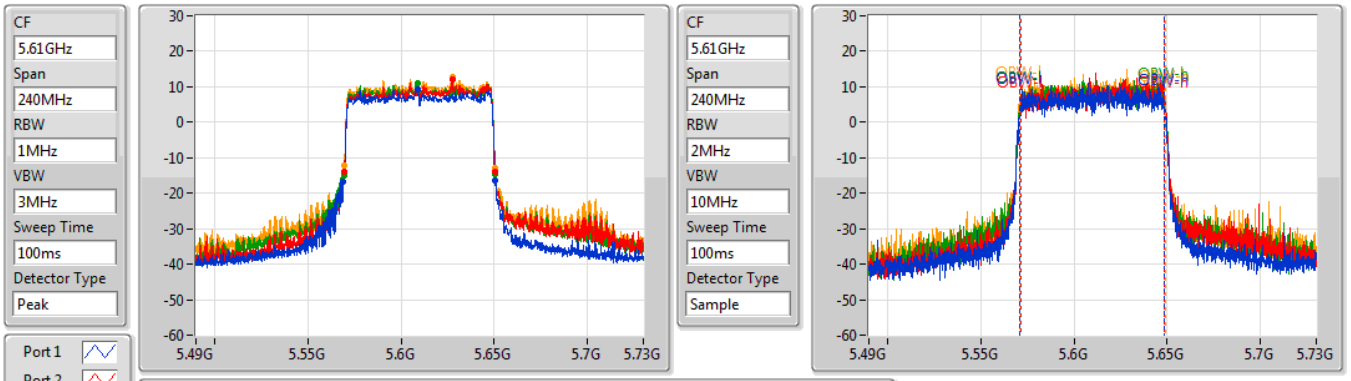



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.36M | 5.48944G | 5.5708G | 77.721M | 5.491019G | 5.568741G | Inf | 1 |
| 81.84M | 5.4886G | 5.57044G | 77.481M | 5.491259G | 5.568741G | Inf | 2 |
| 81.12M | 5.48944G | 5.57056G | 77.481M | 5.491259G | 5.568741G | Inf | 3 |
| 82.2M | 5.48824G | 5.57044G | 77.601M | 5.491139G | 5.568741G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5610MHz

16/03/2021

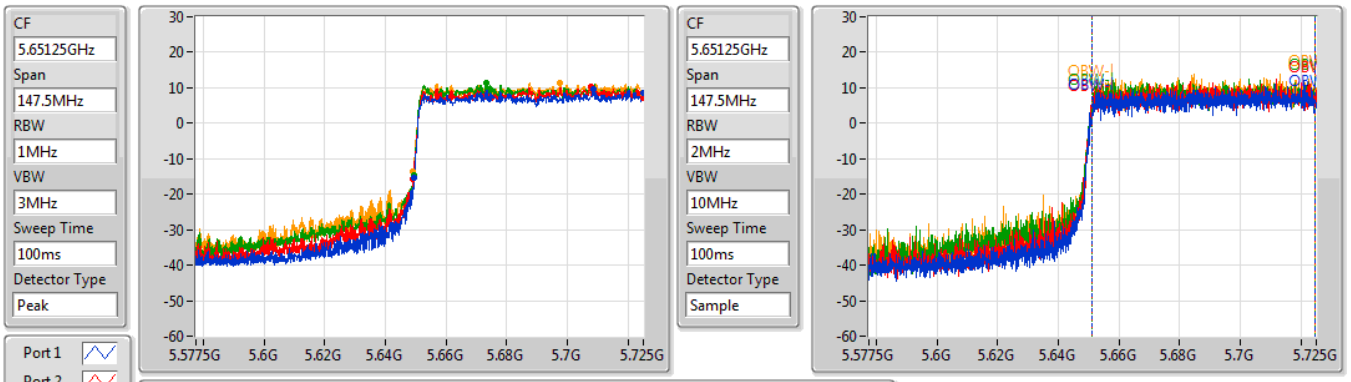



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.48M | 5.56908G | 5.65056G | 77.601M | 5.571139G | 5.648741G | Inf | 1 |
| 81M | 5.56956G | 5.65056G | 77.361M | 5.571379G | 5.648741G | Inf | 2 |
| 81.24M | 5.56944G | 5.65068G | 77.601M | 5.571139G | 5.648741G | Inf | 3 |
| 81M | 5.56956G | 5.65056G | 77.721M | 5.571139G | 5.648861G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5690MHz Straddle 5.47-5.725GHz

16/03/2021




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 75.52M | 5.64948G | 5.725G | 73.492M | 5.651103G | 5.724595G | Inf | 1 |
| 75.815M | 5.649185G | 5.725G | 73.566M | 5.651103G | 5.724668G | Inf | 2 |
| 75.668M | 5.649333G | 5.725G | 73.418M | 5.651103G | 5.724521G | Inf | 3 |
| 75.815M | 5.649185G | 5.725G | 73.492M | 5.651176G | 5.724668G | Inf | 4 |