

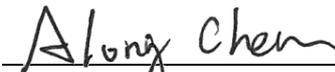
FCC C2PC Test Report

FCC ID : P27RP362M
Equipment : AC2100 Wi-Fi Mesh Extender ;
AC2100 Wi-Fi Mesh Router
Model No. : RP362M ; IP3421M
Multiple Listing : Refer to item 1.1.1 for more details
Brand Name : Sercomm
Applicant : Sercomm Corporation
Address : 8F, No. 3-1, YuanQu St., NanKang, Taipei 115,
Taiwan, R.O.C.
Standard : 47 CFR FCC Part 15.407
Received Date : Feb. 12, 2020
Tested Date : Mar. 04 ~ Apr. 08, 2020

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:



Along Chen / Assistant Manager



Gary Chang / Manager



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Release Record

| Report No. | Version | Description | Issued Date |
|-------------|---------|---------------|---------------|
| FR021202-01 | Rev. 01 | Initial issue | Apr. 29, 2020 |

Summary of Test Results

| FCC Rules | Test Items | Measured | Result |
|---------------------|-----------------------------|--|--------|
| 15.207 | Conducted Emissions | [dBuV]: 0.835MHz 28.62 (Margin -17.38dB) - AV | Pass |
| 15.407(b) 15.209 | Radiated Emissions | [dBuV/m at 3m]: 5470.00MHz 67.14 (Margin -1.06dB) – PK 5350.00MHz 52.94 (Margin -1.06dB) - AV | Pass |
| 15.407(a) | Emission Bandwidth | Meet the requirement of limit | Pass |
| 15.407(a) | RF Output Power | Max Power [dBm]: Non-beamforming mode 5250~5350MHz: 23.60 5470~5725MHz: 23.56 Beamforming mode 5250~5350MHz: 21.43 5470~5725MHz: 21.44 | Pass |
| 15.407(a) | Peak Power Spectral Density | Meet the requirement of limit | Pass |
| 15.407(g) | Frequency Stability | Meet the requirement of limit | Pass |
| 15.203 | Antenna Requirement | Meet the requirement of limit | Pass |

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

This is a Class II Permissive Change report (C2PC).

This report is issued as a supplementary report to original ICC report no. FR021202AN. The modification is only concerned with adding 5250~5350MHz and 5470~5725 MHz band by software setting.

1.1.1 Product Details

The following models are provided to this EUT.

| Brand Name | Model Name | Product Name | Description |
|--|-------------------|----------------------------|---|
| Sercomm | RP362MXXXXXXXXXX | AC2100 Wi-Fi Mesh Extender | FW: v1.00.01 supports 2 LANs. Indoor AP / Client |
| Sercomm | IP3421MXXXXXXXXXX | AC2100 Wi-Fi Mesh Router | FW: v1.00.00.001 supports 1 WAN & 1 LAN Indoor AP |
| <ul style="list-style-type: none"> ✦ the 1st X should be "blank" or "-"; the rest X could be 0 to 9, A to Z, "blank", "-" or "/", for marketing purpose. ✦ The above models used the same hardware but with the different firmware. ✦ The above models, model RP362M and IP3421M were selected as a representative one for the final test | | | |

1.1.2 Specification of the Equipment under Test (EUT)

| RF General Information | | | | | |
|--|------------------|------------------------|---------------------------|------------------------------------|-----------------|
| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Freq. (MHz) | Channel Number | Transmit Chains (N _{TX}) | Data Rate / MCS |
| 5250-5350 5470-5725 | a | 5260-5320 5500-5720 | 52-64 [4] 100-144 [12] | 4 | 6-54 Mbps |
| 5250-5350 5470-5725 | n (HT20) | 5260-5320 5500-5720 | 52-64 [4] 100-144 [12] | 4 | MCS 0-31 |
| 5250-5350 5470-5725 | n (HT40) | 5270-5310 5510-5710 | 54-62 [2] 102-142 [6] | 4 | MCS 0-31 |
| 5250-5350 5470-5725 | ac (VHT20) | 5260-5320 5500-5720 | 52-64 [4] 100-144 [12] | 4 | MCS 0-9 |
| 5250-5350 5470-5725 | ac (VHT40) | 5270-5310 5510-5710 | 54-62 [2] 102-142 [6] | 4 | MCS 0-9 |
| 5250-5350 5470-5725 | ac (VHT80) | 5290 5530-5690 | 58 [1] 106-138 [3] | 4 | MCS 0-9 |
| <p>Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation. Note 3: 802.11n/ac supports beamforming mode.</p> | | | | | |

1.1.3 Antenna Details

| Ant. No. | Model | Type | Connector | Operating Frequencies (MHz) / Antenna Gain (dBi) | |
|----------|----------------|--------|-----------|--|-----------|
| | | | | 5250~5350 | 5470~5725 |
| 1 | Dual Ant 1 | Dipole | i-pex | 2.09 | 2.27 |
| 2 | Dual ANT 2 | Dipole | i-pex | 2.21 | 2.12 |
| 3 | Wi Fi 5G Ant 1 | PIFA | N/A | 2.32 | 2.1 |
| 4 | Wi Fi 5G Ant 2 | PIFA | N/A | 2.35 | 2.96 |

1.1.4 Power Supply Type of Equipment under Test (EUT)

| | |
|--------------------------|-----------------------|
| Power Supply Type | 12Vdc from AC adapter |
|--------------------------|-----------------------|

1.1.5 Accessories

| Accessories | | |
|-------------|------------|---|
| No. | Equipment | Description |
| 1 | AC adapter | Brand: MOSO Model: MSS-H1000WR120-012B0-US I/P: 100-240Vac, 50/60Hz, 0.5A max O/P: 12.0Vdc, 1A Power Line: 1.5m non-shielded without core |

Note: There are two designs for the adapter, with or without Y-capacitor.

1.1.6 Channel List

| 802.11 a / HT20 / VHT20 | | HT40 / VHT40 | |
|-------------------------|----------------|--------------|----------------|
| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
| 52 | 5260 | 54 | 5270 |
| 56 | 5280 | 62 | 5310 |
| 60 | 5300 | 102 | 5510 |
| 64 | 5320 | 110 | 5550 |
| 100 | 5500 | 118 | 5590 |
| 104 | 5520 | 126 | 5630 |
| 108 | 5540 | 134 | 5670 |
| 112 | 5560 | 142 | 5710 |
| 116 | 5580 | VHT80 | |
| 120 | 5600 | 58 | 5290 |
| 124 | 5620 | 106 | 5530 |
| 128 | 5640 | 122 | 5610 |
| 132 | 5660 | 138 | 5690 |
| 136 | 5680 | --- | --- |
| 140 | 5700 | --- | --- |
| 144 | 5720 | --- | --- |

1.1.7 Test Tool and Duty Cycle

Non-beamforming

| | | | |
|-----------------------------------|---------------------|-----------------------|-------------------------|
| Test Tool | MT7615 QA, V0.0.2.0 | | |
| Duty Cycle and Duty Factor | Mode | Duty Cycle (%) | Duty Factor (dB) |
| | 11a | 97.02% | 0.13 |
| | VHT20 | 96.85% | 0.14 |
| | VHT40 | 93.13% | 0.31 |
| | VHT80 | 92.14% | 0.36 |

Beamforming

| | | | |
|-----------------------------------|------------------|-----------------------|-------------------------|
| Test Tool | Putty, V0.60.0.0 | | |
| Duty Cycle and Duty Factor | Mode | Duty Cycle (%) | Duty Factor (dB) |
| | VHT20 | 98.31% | 0.07 |
| | VHT40 | 94.41% | 0.25 |
| | VHT80 | 98.10% | 0.08 |

1.1.8 Power Index of Test Tool

| Modulation Mode | Test Frequency (MHz) | Power Index | |
|-----------------|----------------------|-----------------|-------------|
| | | Non-Beamforming | Beamforming |
| 11a | 5260 | 11 | --- |
| 11a | 5300 | 11 | --- |
| 11a | 5320 | 11 | --- |
| 11a | 5500 | 0F | --- |
| 11a | 5580 | 11 | --- |
| 11a | 5700 | 0E | --- |
| VHT20 | 5260 | 15 | 23 |
| VHT20 | 5300 | 15 | 23 |
| VHT20 | 5320 | 15 | 23 |
| VHT20 | 5500 | 12 | 19 |
| VHT20 | 5580 | 15 | 22 |
| VHT20 | 5700 | 12 | 17 |
| VHT40 | 5270 | 1B | 24 |
| VHT40 | 5310 | 11 | 16 |
| VHT40 | 5510 | 0F | 16 |
| VHT40 | 5590 | 1B | 24 |
| VHT40 | 5670 | 12 | 18 |
| VHT80 | 5290 | 0F | 14 |
| VHT80 | 5530 | 0F | 15 |
| VHT80 | 5610 | 13 | 19 |

Channel that extends across the 5.725 GHz boundary

| Modulation Mode | Test Frequency (MHz) | Power Index | |
|-----------------|----------------------|-----------------|-------------|
| | | Non-Beamforming | Beamforming |
| 11a | 5720 | 12 | --- |
| VHT20 | 5720 | 16 | 24 |
| VHT40 | 5710 | 1C | 25 |
| VHT80 | 5690 | 16 | 21 |

1.2 Local Support Equipment List

Non-beamforming mode

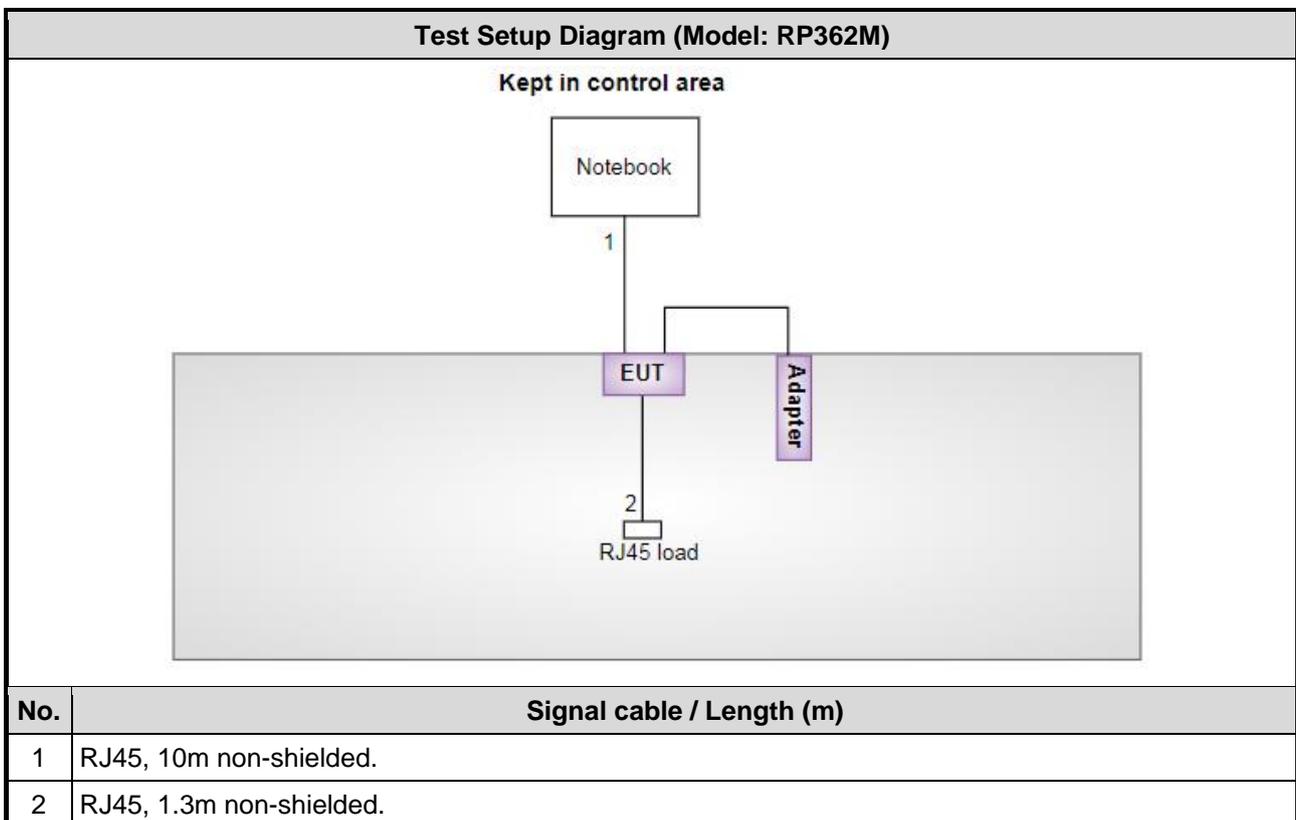
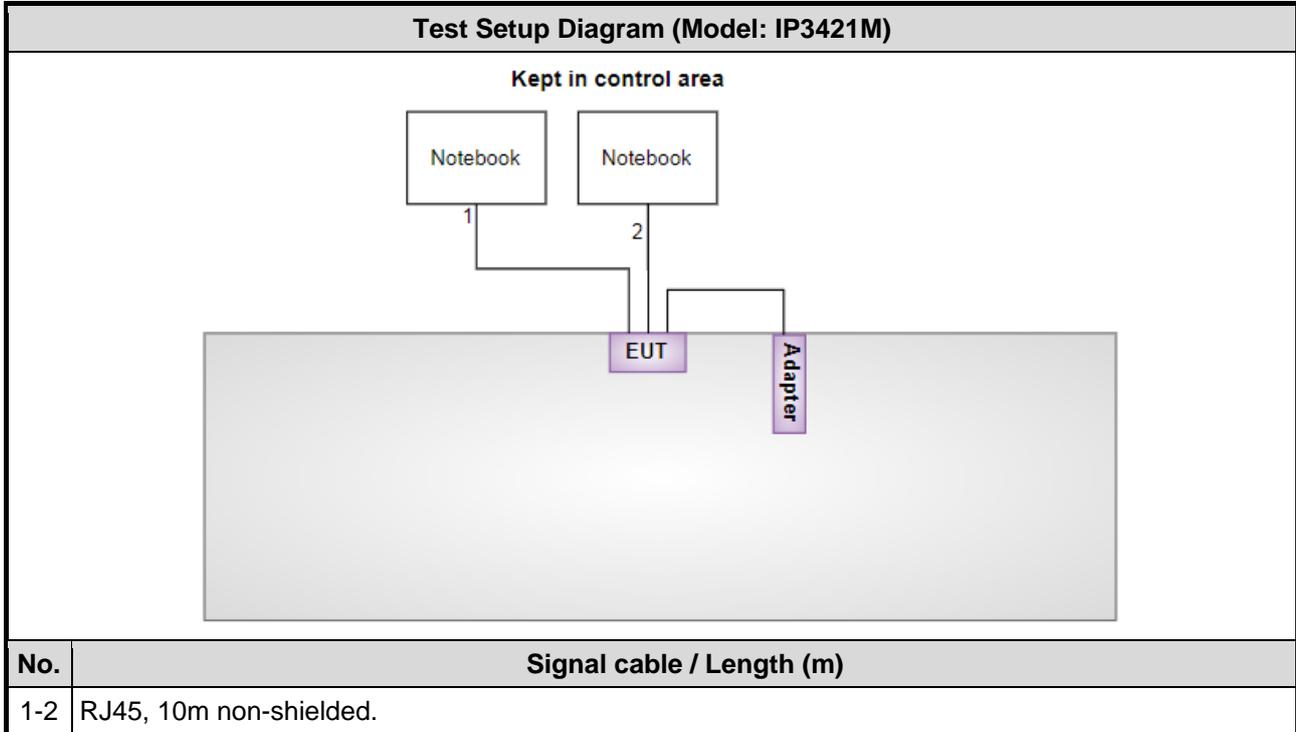
| Support Equipment List | | | | | |
|------------------------|-----------|-------|----------------|--------|---------|
| No. | Equipment | Brand | Model | FCC ID | Remarks |
| 1 | Notebook | DELL | Latitude E5470 | DoC | --- |
| 2 | Notebook | DELL | Latitude E6440 | DoC | --- |
| 3 | RJ45 Load | ICC | --- | --- | --- |

Beamforming mode

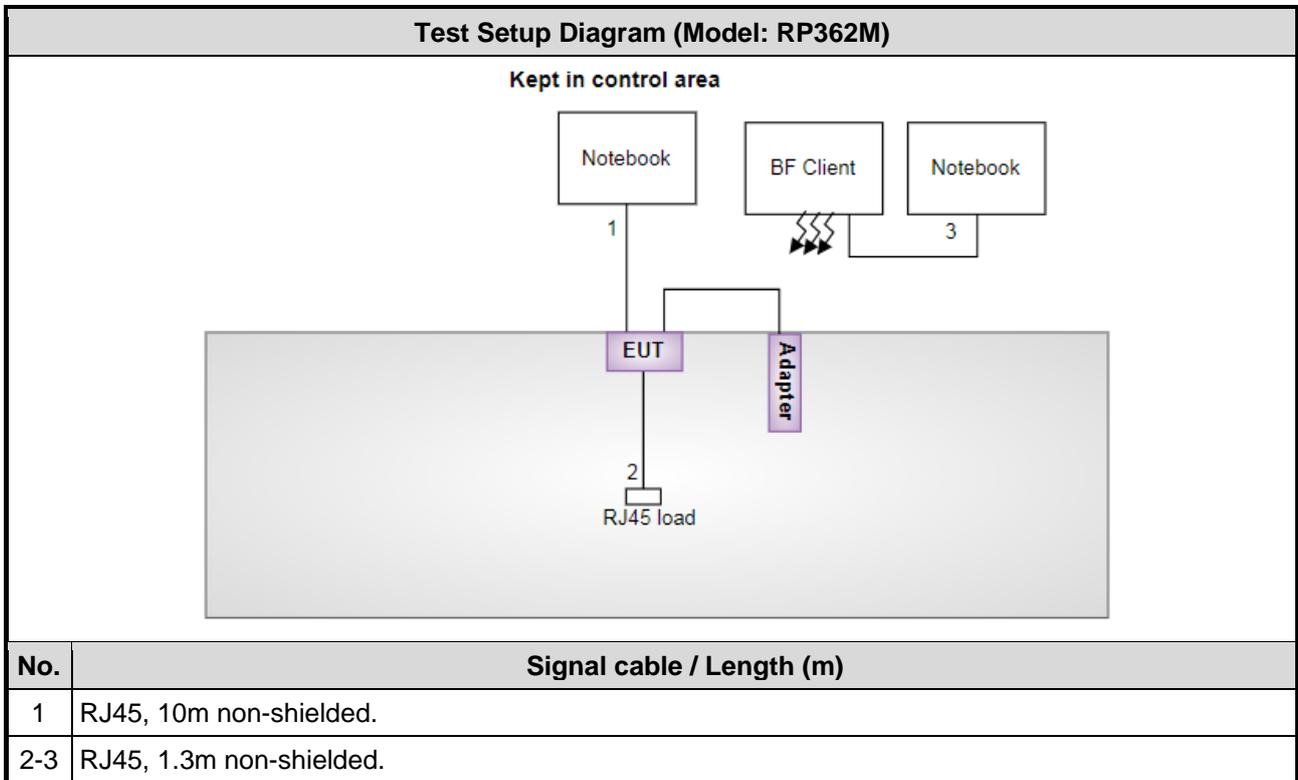
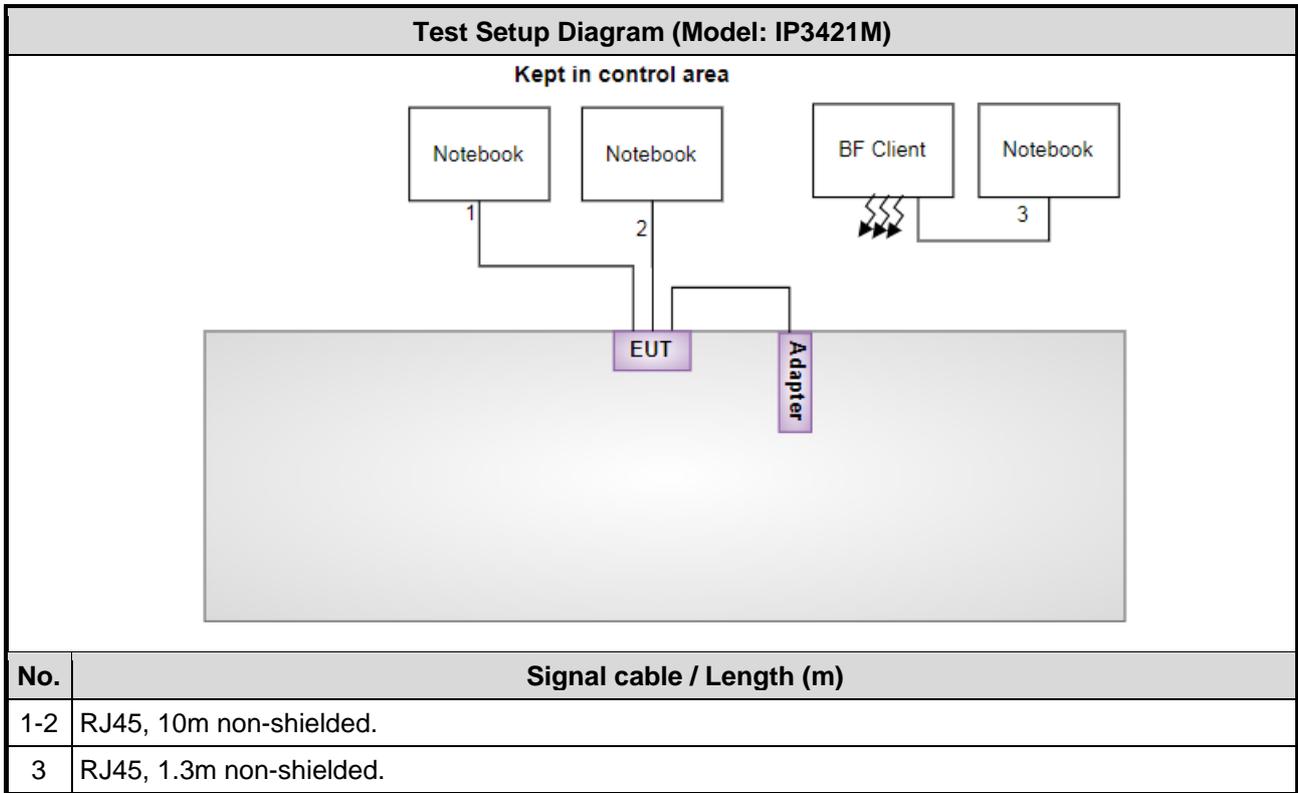
| Support Equipment List | | | | | |
|------------------------|--|---------|----------------|--------|------------------------|
| No. | Equipment | Brand | Model | FCC ID | Remarks |
| 1 | Notebook | DELL | Latitude E5470 | DoC | --- |
| 2 | Notebook | DELL | Latitude E6440 | DoC | --- |
| 3 | Notebook | DELL | Latitude E6430 | DoC | --- |
| 4 | RJ45 Load | ICC | --- | --- | --- |
| 5 | BF Client (AC2100 Wi-Fi Mesh Extender) | Sercomm | IP3421M | --- | Provided by applicant. |
| 6 | BF Client (AC2100 Wi-Fi Mesh Extender) | Sercomm | RP362M | --- | Provided by applicant. |

1.3 Test Setup Chart

Non-beamforming mode



Beamforming mode



1.4 The Equipment List

| | | | | | |
|---|-------------------------------|------------------|-------------------|-------------------------|--------------------------|
| Test Item | Conducted Emission | | | | |
| Test Site | Conduction room 1 / (CO01-WS) | | | | |
| Tested Date | Apr. 02, 2020 | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| Receiver | R&S | ESR3 | 101658 | Dec. 12, 2019 | Dec. 11, 2020 |
| LISN | R&S | ENV216 | 101579 | Mar. 12, 2020 | Mar. 11, 2021 |
| RF Cable-CON | Woken | CFD200-NL | CFD200-NL-001 | Oct. 22, 2019 | Oct. 21, 2020 |
| Measurement Software | AUDIX | e3 | 6.120210k | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

| | | | | | |
|---|-----------------------------|-------------------|---------------------|-------------------------|--------------------------|
| Test Item | Radiated Emission | | | | |
| Test Site | 966 chamber 3 / (03CH03-WS) | | | | |
| Tested Date | Mar. 04 ~ Mar. 26, 2020 | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| Spectrum Analyzer | R&S | FSV40 | 101499 | Jan. 09, 2020 | Jan. 08, 2021 |
| Receiver | R&S | ESR3 | 101657 | Feb. 14, 2020 | Feb. 13, 2021 |
| Bilog Antenna | SCHWARZBECK | VULB9168 | VULB9168-685 | Apr. 17, 2019 | Apr. 16, 2020 |
| Horn Antenna 1G-18G | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1206 | Dec. 27, 2019 | Dec. 26, 2020 |
| Horn Antenna 18G-40G | SCHWARZBECK | BBHA 9170 | BBHA 9170517 | Nov. 15, 2019 | Nov. 14, 2020 |
| Loop Antenna | R&S | HFH2-Z2 | 100330 | Nov. 13, 2019 | Nov. 12, 2020 |
| Loop Antenna Cable | KOAX KABEL | 101354-BW | 101354-BW | Oct. 07, 2019 | Oct. 06, 2020 |
| Preamplifier | EMC | EMC02325 | 980187 | Aug. 14, 2019 | Aug. 13, 2020 |
| Preamplifier | Agilent | 83017A | MY53270014 | Aug. 07, 2019 | Aug. 06, 2020 |
| Preamplifier | EMC | EMC184045B | 980192 | Aug. 01, 2019 | Jul. 31, 2020 |
| RF cable-3M | HUBER+SUHNER | SUCOFLEX104 | MY22620/4 | Sep. 27, 2019 | Sep. 26, 2020 |
| RF cable-8M | EMC | EMC104-SM-SM-8000 | 181107 | Sep. 27, 2019 | Sep. 26, 2020 |
| RF cable-1M | HUBER+SUHNER | SUCOFLEX104 | MY22624/4 | Sep. 27, 2019 | Sep. 26, 2020 |
| LF cable-0.8M | EMC | EMC8D-NM-NM-8000 | EMC8D-NM-NM-800-001 | Sep. 27, 2019 | Sep. 26, 2020 |
| LF cable-3M | EMC | EMC8D-NM-NM-3000 | 131103 | Sep. 27, 2019 | Sep. 26, 2020 |
| LF cable-13M | EMC | EMC8D-NM-NM-13000 | 131104 | Sep. 27, 2019 | Sep. 26, 2020 |
| Measurement Software | AUDIX | e3 | 6.120210g | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

| | | | | | |
|---|-------------------------|------------------|-------------------|-------------------------|--------------------------|
| Test Item | RF Conducted | | | | |
| Test Site | (TH01-WS) | | | | |
| Tested Date | Apr. 01 ~ Apr. 08, 2020 | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| Spectrum Analyzer | R&S | FSV40 | 101063 | Apr. 17, 2019 | Apr. 16, 2020 |
| Power Meter | Anritsu | ML2495A | 1241002 | Oct. 23, 2019 | Oct. 22, 2020 |
| Power Sensor | Anritsu | MA2411B | 1207366 | Oct. 23, 2019 | Oct. 22, 2020 |
| TEMP&HUMIDITY CHAMBER | GIANT FORCE | GCT-225-40-SP-SD | MAF1212-002 | Dec. 12, 2019 | Dec. 11, 2020 |
| AC POWER SOURCE | APC | AFC-500W | F312060012 | Dec. 02, 2019 | Dec. 01, 2020 |
| Measurement Software | Sporton | Sporton_1 | 1.3.30 | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

1.5 Testing Applied Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.407

ANSI C63.10-2013

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

| Measurement Uncertainty | |
|--------------------------|---------------------|
| Parameters | Uncertainty |
| Bandwidth | ±34.130 Hz |
| Conducted power | ±0.808 dB |
| Frequency error | ±1×10 ⁻⁹ |
| Power density | ±0.583 dB |
| Conducted emission | ±2.715 dB |
| AC conducted emission | ±2.92 dB |
| Radiated emission ≤ 1GHz | ±3.96 dB |
| Radiated emission > 1GHz | ±4.51 dB |
| Time | ±0.1% |
| Temperature | ±0.4 °C |

2 Test Configuration

2.1 Testing Condition

| Test Item | Test Site | Ambient Condition | Tested By |
|--------------------|-----------|-------------------|---------------------|
| AC Conduction | CO01-WS | 24°C / 68% | Alex Tsai |
| Radiated Emissions | 03CH03-WS | 20-21°C / 63-65% | Brad Wu Roger Lu |
| RF Conducted | TH01-WS | 21°C / 64% | Aska Huang |

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Non-beamforming mode

| For Frequency band 5250-5350 MHz, 5470-5725 MHz | | | | |
|---|-----------------|---|-----------|--------------------|
| Test item | Modulation Mode | Test Frequency (MHz) | Data Rate | Test Configuration |
| Conducted Emissions | VHT40 | 5270 | MCS 0 | 1, 2 |
| Radiated Emissions ≤ 1 GHz | VHT40 | 5270 | MCS 0 | 1, 2 |
| RF Output Power | 11a | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | 6 Mbps | 1 |
| | HT20 | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | MCS 0 | |
| | HT40 | 5270 / 5310 5510 / 5590 / 5670 / 5710 | MCS 0 | |
| | VHT20 | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | MCS 0 | |
| | VHT40 | 5270 / 5310 5510 / 5590 / 5670 / 5710 | MCS 0 | |
| | VHT80 | 5290 / 5530 / 5610 / 5690 | MCS 0 | |
| Radiated Emissions > 1 GHz Emission Bandwidth Peak Power Spectral Density | 11a | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | 6 Mbps | 1 |
| | VHT20 | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | MCS 0 | |
| | VHT40 | 5270 / 5310 5510 / 5590 / 5670 / 5710 | MCS 0 | |
| | VHT80 | 5290 / 5530 / 5610 / 5690 | MCS 0 | |
| Frequency Stability | Un-modulation | 5500 | --- | 1 |
| NOTE: | | | | |
| 1. The adapter have two configurations (with Y capacitor / without Y capacitor) had been covered during the pretest, and found that without Y was the worst case and was selected for final test. | | | | |
| 2. Thee EUT had been tested by following test configurations. Configuration 1 , Model name: IP3421M Configuration 2 , Model name: RP362M | | | | |

Beamforming mode

| For Frequency band 5250-5350 MHz, 5470-5725 MHz | | | | |
|---|-----------------|---|-----------|--------------------|
| Test item | Modulation Mode | Test Frequency (MHz) | Data Rate | Test Configuration |
| Conducted Emissions | VHT40 | 5270 | MCS 0 | 1, 2 |
| Radiated Emissions ≤ 1 GHz | VHT40 | 5270 | MCS 0 | 1, 2 |
| RF Output Power | HT20 | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | MCS 0 | 1 |
| | HT40 | 5270 / 5310 5510 / 5590 / 5670 / 5710 | MCS 0 | |
| | VHT20 | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | MCS 0 | |
| | VHT40 | 5270 / 5310 5510 / 5590 / 5670 / 5710 | MCS 0 | |
| | VHT80 | 5290 / 5530 / 5610 / 5690 | MCS 0 | |
| Radiated Emissions > 1 GHz Emission Bandwidth Peak Power Spectral Density | VHT20 | 5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 | MCS 0 | 1 |
| | VHT40 | 5270 / 5310 5510 / 5590 / 5670 / 5710 | MCS 0 | |
| | VHT80 | 5290 / 5530 / 5610 / 5690 | MCS 0 | |
| NOTE: | | | | |
| 1. The adapter have two capacitors (with Y and without Y) had been covered during the pretest, and found that without Y was the worst case and was selected for final test. | | | | |
| 2. Thee EUT had been tested by following test configurations. Configuration 1 , Model name: IP3421M Configuration 2 , Model name: RP362M | | | | |

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

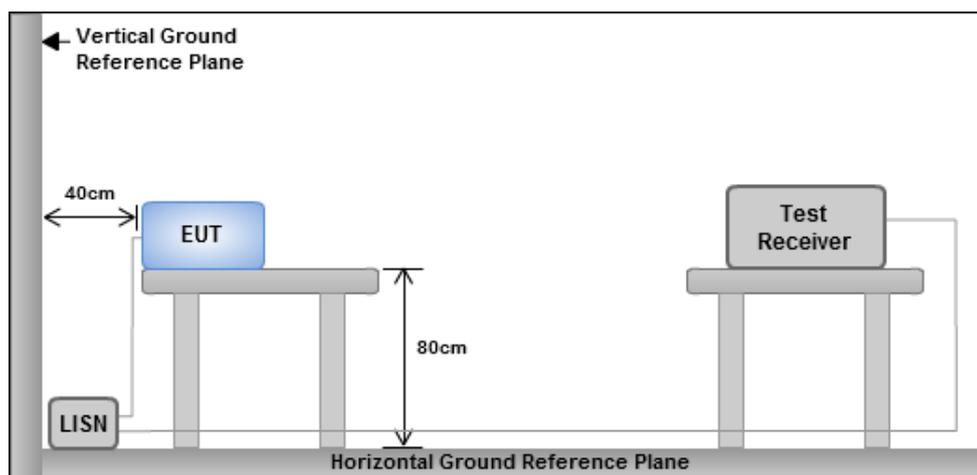
| Conducted Emissions Limit | | |
|---------------------------|------------|-----------|
| Frequency Emission (MHz) | Quasi-Peak | Average |
| 0.15-0.5 | 66 - 56 * | 56 - 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

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

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.1.3 Test Setup

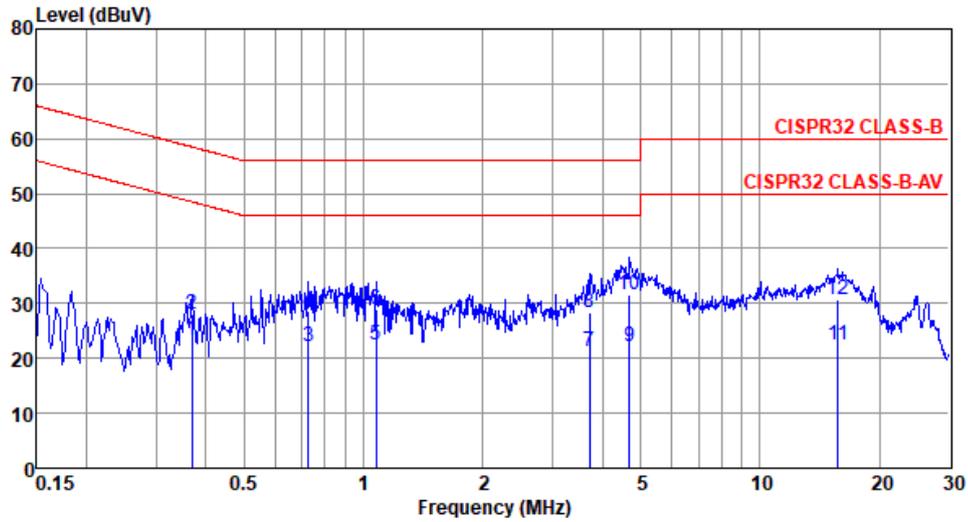


- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

Non- beamforming mode

| | | | |
|-------------|-------|--------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Line | Test Configuration | 1 |

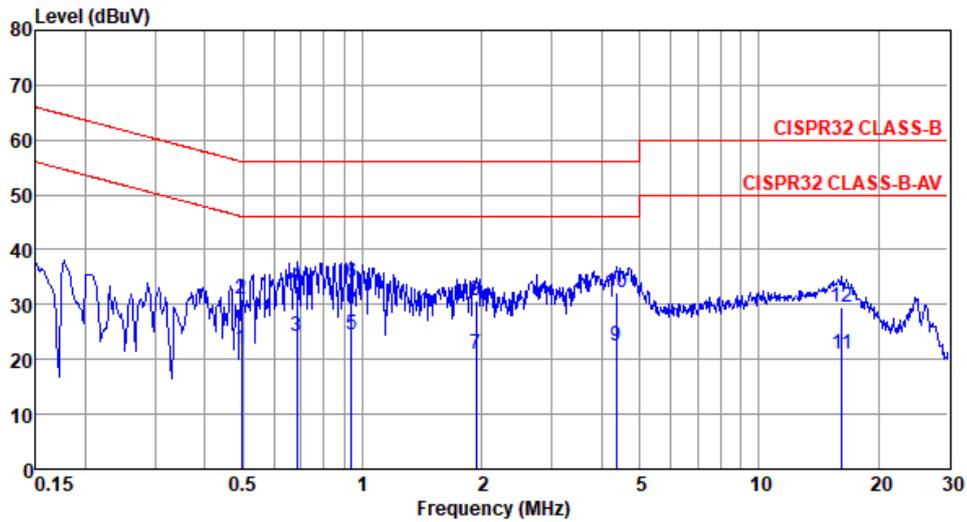


| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.369 | 23.21 | 48.52 | -25.31 | 13.26 | 9.63 | 0.08 | Average |
| 2 | 0.369 | 28.01 | 58.52 | -30.51 | 18.06 | 9.63 | 0.08 | QP |
| 3 | 0.727 | 22.10 | 46.00 | -23.90 | 12.06 | 9.63 | 0.11 | Average |
| 4 | 0.727 | 28.63 | 56.00 | -27.37 | 18.59 | 9.63 | 0.11 | QP |
| 5* | 1.077 | 22.34 | 46.00 | -23.66 | 12.26 | 9.63 | 0.13 | Average |
| 6 | 1.077 | 28.84 | 56.00 | -27.16 | 18.76 | 9.63 | 0.13 | QP |
| 7 | 3.720 | 21.13 | 46.00 | -24.87 | 10.83 | 9.65 | 0.28 | Average |
| 8 | 3.720 | 28.21 | 56.00 | -27.79 | 17.91 | 9.65 | 0.28 | QP |
| 9 | 4.696 | 22.02 | 46.00 | -23.98 | 11.67 | 9.66 | 0.31 | Average |
| 10 | 4.696 | 31.58 | 56.00 | -24.42 | 21.23 | 9.66 | 0.31 | QP |
| 11 | 15.718 | 22.56 | 50.00 | -27.44 | 11.74 | 9.71 | 0.61 | Average |
| 12 | 15.718 | 30.66 | 60.00 | -29.34 | 19.84 | 9.71 | 0.61 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

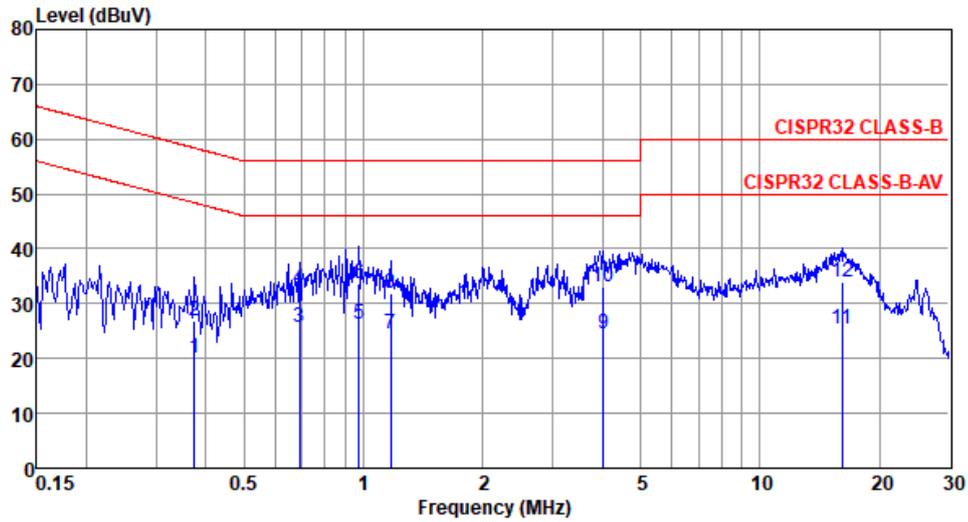
| | | | |
|--------------------|---------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Neutral | Test Configuration | 1 |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.494 | 21.75 | 46.10 | -24.35 | 11.83 | 9.65 | 0.09 | Average |
| 2 | 0.494 | 30.91 | 56.10 | -25.19 | 20.99 | 9.65 | 0.09 | QP |
| 3 | 0.683 | 24.32 | 46.00 | -21.68 | 14.38 | 9.65 | 0.10 | Average |
| 4 | 0.683 | 33.32 | 56.00 | -22.68 | 23.38 | 9.65 | 0.10 | QP |
| 5* | 0.938 | 24.55 | 46.00 | -21.45 | 14.58 | 9.65 | 0.12 | Average |
| 6 | 0.938 | 33.98 | 56.00 | -22.02 | 24.01 | 9.65 | 0.12 | QP |
| 7 | 1.939 | 20.99 | 46.00 | -25.01 | 10.89 | 9.66 | 0.18 | Average |
| 8 | 1.939 | 30.71 | 56.00 | -25.29 | 20.61 | 9.66 | 0.18 | QP |
| 9 | 4.361 | 22.46 | 46.00 | -23.54 | 12.21 | 9.68 | 0.30 | Average |
| 10 | 4.361 | 32.09 | 56.00 | -23.91 | 21.84 | 9.68 | 0.30 | QP |
| 11 | 16.226 | 20.84 | 50.00 | -29.16 | 10.00 | 9.81 | 0.62 | Average |
| 12 | 16.226 | 29.56 | 60.00 | -30.44 | 18.72 | 9.81 | 0.62 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

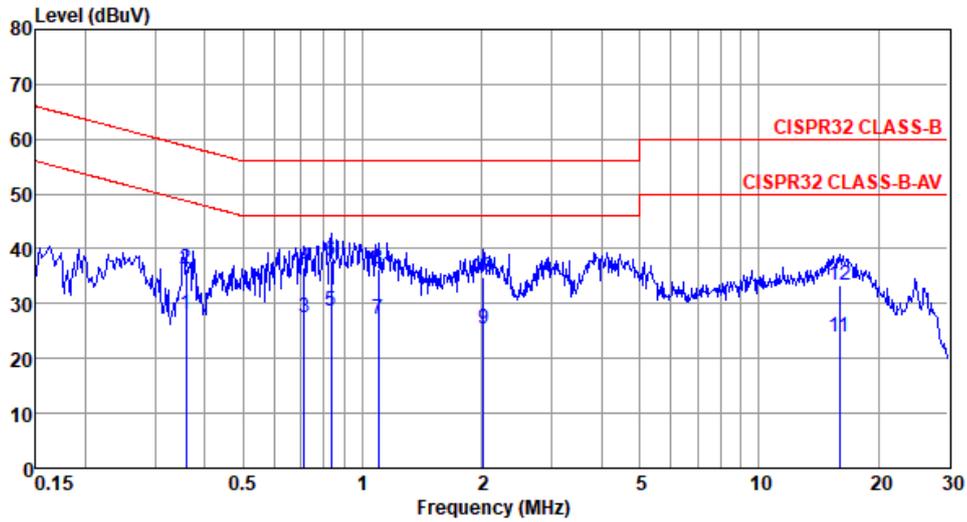
| | | | |
|--------------------|-------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Line | Test Configuration | 2 |



| | Freq | Level | Limit | Over | Read | LISN | cable | Remark |
|----|--------|-------|-------|--------|-------|--------|-------|---------|
| | MHz | dBuV | Line | Limit | Level | factor | loss | |
| | | | dBuV | dB | dBuV | dB | dB | |
| 1 | 0.375 | 20.18 | 48.39 | -28.21 | 10.23 | 9.63 | 0.08 | Average |
| 2 | 0.375 | 27.00 | 58.39 | -31.39 | 17.05 | 9.63 | 0.08 | QP |
| 3 | 0.690 | 25.76 | 46.00 | -20.24 | 15.74 | 9.63 | 0.10 | Average |
| 4 | 0.690 | 32.65 | 56.00 | -23.35 | 22.63 | 9.63 | 0.10 | QP |
| 5* | 0.974 | 26.29 | 46.00 | -19.71 | 16.22 | 9.63 | 0.12 | Average |
| 6 | 0.974 | 33.71 | 56.00 | -22.29 | 23.64 | 9.63 | 0.12 | QP |
| 7 | 1.172 | 24.65 | 46.00 | -21.35 | 14.57 | 9.63 | 0.13 | Average |
| 8 | 1.172 | 32.02 | 56.00 | -23.98 | 21.94 | 9.63 | 0.13 | QP |
| 9 | 4.027 | 24.47 | 46.00 | -21.53 | 14.16 | 9.65 | 0.29 | Average |
| 10 | 4.027 | 32.92 | 56.00 | -23.08 | 22.61 | 9.65 | 0.29 | QP |
| 11 | 16.140 | 25.27 | 50.00 | -24.73 | 14.43 | 9.71 | 0.62 | Average |
| 12 | 16.140 | 33.91 | 60.00 | -26.09 | 23.07 | 9.71 | 0.62 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

| | | | |
|--------------------|---------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Neutral | Test Configuration | 2 |

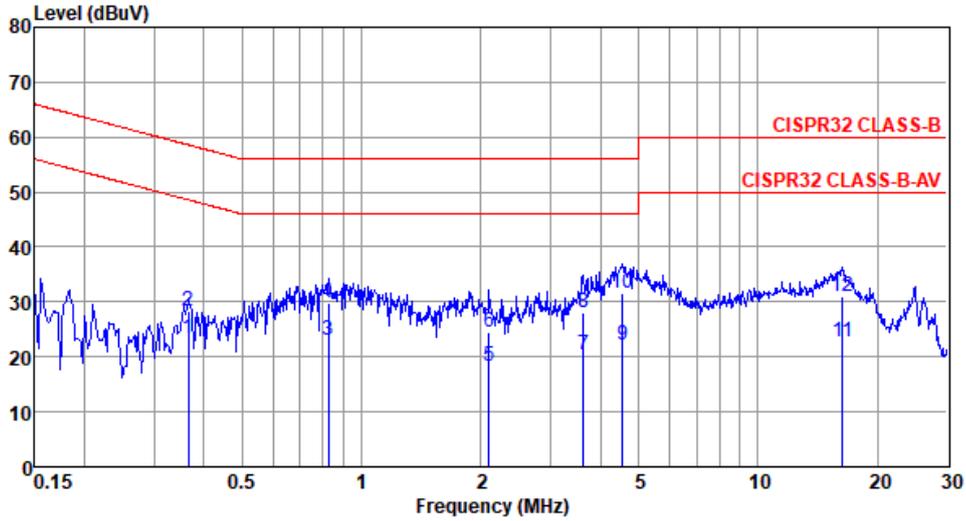


| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.360 | 28.09 | 48.74 | -20.65 | 18.19 | 9.65 | 0.08 | Average |
| 2 | 0.360 | 36.40 | 58.74 | -22.34 | 26.50 | 9.65 | 0.08 | QP |
| 3 | 0.712 | 27.34 | 46.00 | -18.66 | 17.39 | 9.65 | 0.11 | Average |
| 4 | 0.712 | 36.74 | 56.00 | -19.26 | 26.79 | 9.65 | 0.11 | QP |
| 5* | 0.835 | 28.62 | 46.00 | -17.38 | 18.67 | 9.65 | 0.11 | Average |
| 6 | 0.835 | 37.89 | 56.00 | -18.11 | 27.94 | 9.65 | 0.11 | QP |
| 7 | 1.094 | 27.18 | 46.00 | -18.82 | 17.19 | 9.65 | 0.13 | Average |
| 8 | 1.094 | 36.28 | 56.00 | -19.72 | 26.29 | 9.65 | 0.13 | QP |
| 9 | 2.023 | 25.48 | 46.00 | -20.52 | 15.38 | 9.66 | 0.18 | Average |
| 10 | 2.023 | 34.73 | 56.00 | -21.27 | 24.63 | 9.66 | 0.18 | QP |
| 11 | 15.970 | 24.02 | 50.00 | -25.98 | 13.21 | 9.80 | 0.61 | Average |
| 12 | 15.970 | 33.34 | 60.00 | -26.66 | 22.53 | 9.80 | 0.61 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Beamforming mode

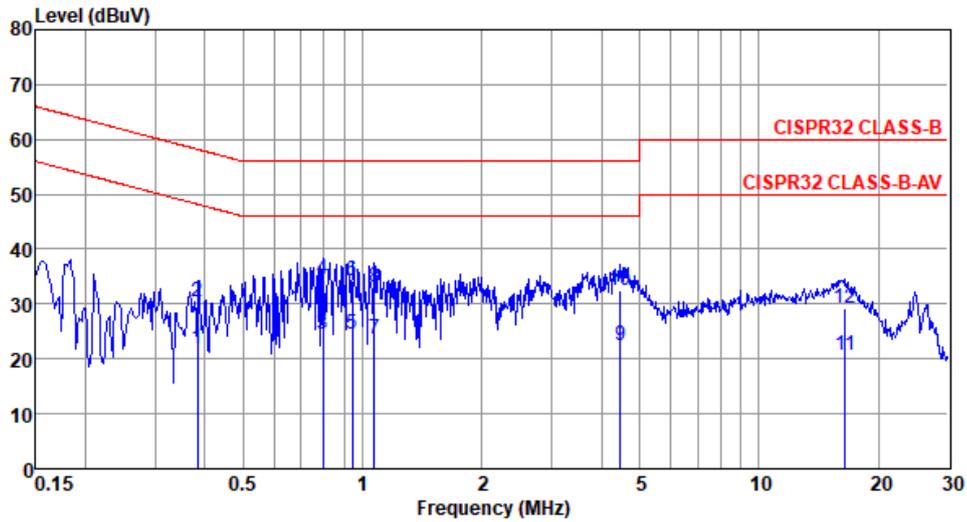
| | | | |
|-------------|-------|--------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Line | Test Configuration | 1 |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.365 | 23.47 | 48.61 | -25.14 | 13.52 | 9.63 | 0.08 | Average |
| 2 | 0.365 | 28.28 | 58.61 | -30.33 | 18.33 | 9.63 | 0.08 | QP |
| 3* | 0.826 | 22.89 | 46.00 | -23.11 | 12.84 | 9.63 | 0.11 | Average |
| 4 | 0.826 | 29.89 | 56.00 | -26.11 | 19.84 | 9.63 | 0.11 | QP |
| 5 | 2.099 | 18.42 | 46.00 | -27.58 | 8.25 | 9.64 | 0.19 | Average |
| 6 | 2.099 | 24.58 | 56.00 | -31.42 | 14.41 | 9.64 | 0.19 | QP |
| 7 | 3.623 | 20.43 | 46.00 | -25.57 | 10.14 | 9.65 | 0.27 | Average |
| 8 | 3.623 | 27.96 | 56.00 | -28.04 | 17.67 | 9.65 | 0.27 | QP |
| 9 | 4.549 | 22.25 | 46.00 | -23.75 | 11.92 | 9.66 | 0.30 | Average |
| 10 | 4.549 | 31.68 | 56.00 | -24.32 | 21.35 | 9.66 | 0.30 | QP |
| 11 | 16.312 | 22.76 | 50.00 | -27.24 | 11.91 | 9.71 | 0.62 | Average |
| 12 | 16.312 | 30.88 | 60.00 | -29.12 | 20.03 | 9.71 | 0.62 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

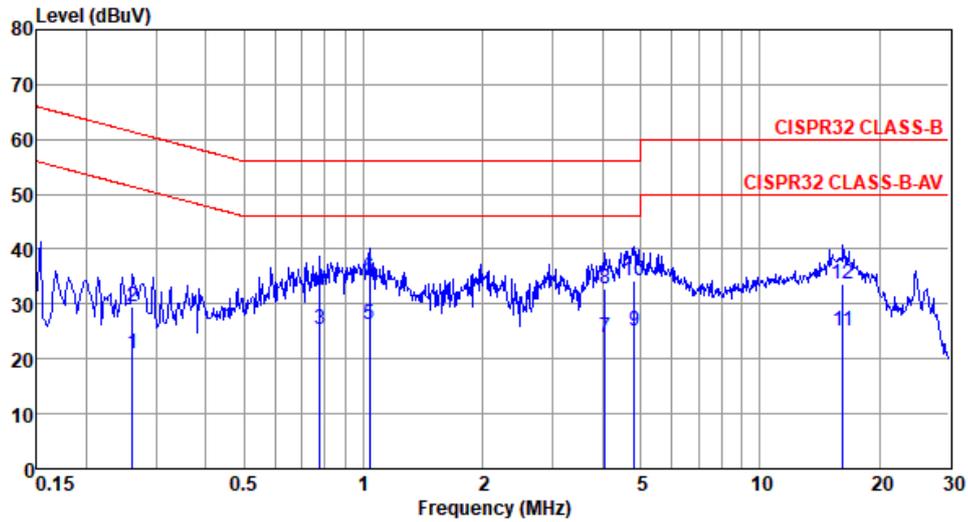
| | | | |
|--------------------|---------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Neutral | Test Configuration | 1 |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.383 | 21.89 | 48.21 | -26.32 | 11.99 | 9.65 | 0.08 | Average |
| 2 | 0.383 | 30.49 | 58.21 | -27.72 | 20.59 | 9.65 | 0.08 | QP |
| 3 | 0.796 | 24.46 | 46.00 | -21.54 | 14.51 | 9.65 | 0.11 | Average |
| 4* | 0.796 | 34.53 | 56.00 | -21.47 | 24.58 | 9.65 | 0.11 | QP |
| 5 | 0.943 | 24.42 | 46.00 | -21.58 | 14.45 | 9.65 | 0.12 | Average |
| 6 | 0.943 | 34.29 | 56.00 | -21.71 | 24.32 | 9.65 | 0.12 | QP |
| 7 | 1.071 | 23.66 | 46.00 | -22.34 | 13.67 | 9.65 | 0.13 | Average |
| 8 | 1.071 | 33.16 | 56.00 | -22.84 | 23.17 | 9.65 | 0.13 | QP |
| 9 | 4.478 | 22.38 | 46.00 | -23.62 | 12.13 | 9.68 | 0.30 | Average |
| 10 | 4.478 | 32.48 | 56.00 | -23.52 | 22.23 | 9.68 | 0.30 | QP |
| 11 | 16.486 | 20.81 | 50.00 | -29.19 | 9.96 | 9.81 | 0.62 | Average |
| 12 | 16.486 | 29.26 | 60.00 | -30.74 | 18.41 | 9.81 | 0.62 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

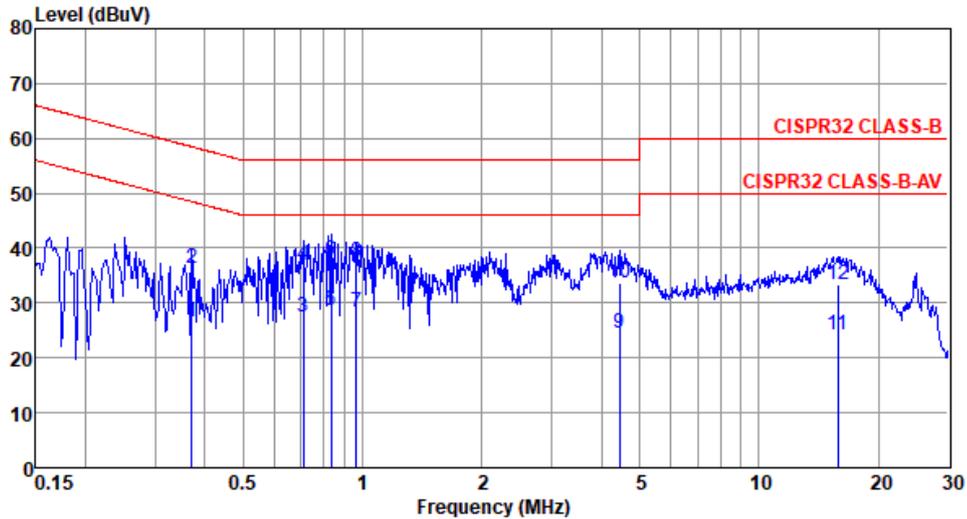
| | | | |
|--------------------|-------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Line | Test Configuration | 2 |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.262 | 20.94 | 51.38 | -30.44 | 11.03 | 9.63 | 0.07 | Average |
| 2 | 0.262 | 29.61 | 61.38 | -31.77 | 19.70 | 9.63 | 0.07 | QP |
| 3 | 0.775 | 25.48 | 46.00 | -20.52 | 15.44 | 9.63 | 0.11 | Average |
| 4 | 0.775 | 32.52 | 56.00 | -23.48 | 22.48 | 9.63 | 0.11 | QP |
| 5* | 1.037 | 26.33 | 46.00 | -19.67 | 16.26 | 9.63 | 0.12 | Average |
| 6 | 1.037 | 34.85 | 56.00 | -21.15 | 24.78 | 9.63 | 0.12 | QP |
| 7 | 4.070 | 23.99 | 46.00 | -22.01 | 13.68 | 9.65 | 0.29 | Average |
| 8 | 4.070 | 32.64 | 56.00 | -23.36 | 22.33 | 9.65 | 0.29 | QP |
| 9 | 4.822 | 25.15 | 46.00 | -20.85 | 14.80 | 9.66 | 0.31 | Average |
| 10 | 4.822 | 34.20 | 56.00 | -21.80 | 23.85 | 9.66 | 0.31 | QP |
| 11 | 16.226 | 24.95 | 50.00 | -25.05 | 14.10 | 9.71 | 0.62 | Average |
| 12 | 16.226 | 33.76 | 60.00 | -26.24 | 22.91 | 9.71 | 0.62 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

| | | | |
|--------------------|---------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Power Phase | Neutral | Test Configuration | 2 |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.371 | 26.69 | 48.47 | -21.78 | 16.79 | 9.65 | 0.08 | Average |
| 2 | 0.371 | 36.30 | 58.47 | -22.17 | 26.40 | 9.65 | 0.08 | QP |
| 3 | 0.708 | 27.50 | 46.00 | -18.50 | 17.56 | 9.65 | 0.10 | Average |
| 4 | 0.708 | 36.77 | 56.00 | -19.23 | 26.83 | 9.65 | 0.10 | QP |
| 5* | 0.835 | 28.76 | 46.00 | -17.24 | 18.81 | 9.65 | 0.11 | Average |
| 6 | 0.835 | 37.68 | 56.00 | -18.32 | 27.73 | 9.65 | 0.11 | QP |
| 7 | 0.963 | 28.34 | 46.00 | -17.66 | 18.37 | 9.65 | 0.12 | Average |
| 8 | 0.963 | 37.46 | 56.00 | -18.54 | 27.49 | 9.65 | 0.12 | QP |
| 9 | 4.454 | 24.40 | 46.00 | -21.60 | 14.15 | 9.68 | 0.30 | Average |
| 10 | 4.454 | 33.59 | 56.00 | -22.41 | 23.34 | 9.68 | 0.30 | QP |
| 11 | 15.801 | 24.07 | 50.00 | -25.93 | 13.26 | 9.80 | 0.61 | Average |
| 12 | 15.801 | 33.25 | 60.00 | -26.75 | 22.44 | 9.80 | 0.61 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 Emission Bandwidth

3.2.1 Test Procedures

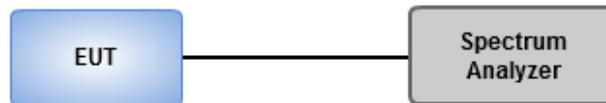
26dB Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW
2. Set VBW \geq 3 RBW
3. Sample detection and single sweep mode shall be used
4. Use the 99 % power bandwidth function of the instrument

3.2.2 Test Setup



3.2.3 Test Result of Emission Bandwidth

Non-beamforming mode

Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|-----------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 19.928M | 16.498M | 16M5D1D | 19.493M | 16.425M |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 20M | 17.583M | 17M6D1D | 19.783M | 17.511M |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 41.159M | 36.324M | 36M3D1D | 39.71M | 36.035M |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 80.87M | 74.964M | 75M0D1D | 79.42M | 74.964M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 20M | 16.498M | 16M5D1D | 14.652M | 13.198M |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 20.362M | 17.583M | 17M6D1D | 14.913M | 13.763M |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 42.609M | 36.324M | 36M3D1D | 34.899M | 32.822M |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 81.449M | 75.253M | 75M3D1D | 74.565M | 71.635M |

Max-N dB = Maximum 26dB down bandwidth

Max-OBW = Maximum 99% occupied bandwidth

Min-N dB = Maximum 26dB down bandwidth

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 | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 19.638M | 16.498M | 19.71M | 16.425M | 19.493M | 16.498M | 19.855M | 16.425M |
| 5300MHz | Pass | Inf | 19.493M | 16.498M | 19.783M | 16.498M | 19.928M | 16.498M | 19.638M | 16.425M |
| 5320MHz | Pass | Inf | 19.493M | 16.498M | 19.565M | 16.498M | 19.855M | 16.425M | 19.855M | 16.425M |
| 5500MHz | Pass | Inf | 19.638M | 16.425M | 19.71M | 16.425M | 19.783M | 16.425M | 19.71M | 16.425M |
| 5580MHz | Pass | Inf | 19.493M | 16.498M | 19.638M | 16.425M | 20M | 16.425M | 19.71M | 16.498M |
| 5700MHz | Pass | Inf | 19.565M | 16.353M | 19.71M | 16.425M | 19.783M | 16.498M | 19.565M | 16.425M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 14.696M | 13.198M | 14.826M | 13.242M | 14.826M | 13.242M | 14.652M | 13.285M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.13M | 3.647M | 3.13M | 3.705M | 3.13M | 3.763M | 3.13M | 3.936M |
| 802.11ac VHT20 _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 19.928M | 17.511M | 19.855M | 17.511M | 19.783M | 17.511M | 19.928M | 17.511M |
| 5300MHz | Pass | Inf | 19.928M | 17.511M | 19.855M | 17.511M | 19.855M | 17.511M | 19.928M | 17.511M |
| 5320MHz | Pass | Inf | 20M | 17.511M | 19.855M | 17.511M | 19.783M | 17.511M | 19.928M | 17.583M |
| 5500MHz | Pass | Inf | 20.362M | 17.511M | 19.855M | 17.511M | 19.855M | 17.583M | 20M | 17.511M |
| 5580MHz | Pass | Inf | 20.362M | 17.583M | 19.928M | 17.511M | 19.855M | 17.511M | 20.217M | 17.511M |
| 5700MHz | Pass | Inf | 20M | 17.511M | 19.783M | 17.511M | 19.783M | 17.511M | 20M | 17.583M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.087M | 13.806M | 14.957M | 13.763M | 14.913M | 13.763M | 14.913M | 13.806M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.478M | 4.052M | 3.71M | 3.994M | 3.13M | 3.994M | 3.768M | 4.11M |

Port X-N dB = 26dB down bandwidth

Port X-OBW = Port X 99% occupied bandwidth

| 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) |
|------------------------------------|--------|---------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|
| 802.11ac VHT40 _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 41.159M | 36.035M | 39.71M | 36.179M | 40.435M | 36.035M | 40.29M | 36.324M |
| 5310MHz | Pass | Inf | 40.435M | 36.035M | 40.29M | 36.179M | 40.145M | 36.035M | 40.29M | 36.035M |
| 5510MHz | Pass | Inf | 40.58M | 36.035M | 39.565M | 36.179M | 40.29M | 36.035M | 40.29M | 36.035M |
| 5590MHz | Pass | Inf | 42.609M | 36.324M | 39.71M | 36.179M | 40M | 36.035M | 40.435M | 36.324M |
| 5670MHz | Pass | Inf | 40.435M | 36.035M | 39.855M | 36.035M | 40.29M | 36.035M | 40.435M | 36.179M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 36.116M | 32.923M | 34.899M | 32.822M | 35.203M | 32.822M | 35.101M | 32.923M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.13M | 16.961M | 3.13M | 10.246M | 3.13M | 11.52M | 3.13M | 20.434M |
| 802.11ac VHT80 _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 80.87M | 74.964M | 79.42M | 74.964M | 79.71M | 74.964M | 79.71M | 74.964M |
| 5530MHz | Pass | Inf | 81.449M | 75.253M | 79.71M | 74.964M | 80M | 74.964M | 80M | 75.253M |
| 5610MHz | Pass | Inf | 81.159M | 75.253M | 79.71M | 74.964M | 80.29M | 75.253M | 80M | 75.253M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 75.217M | 72.069M | 74.565M | 72.069M | 75M | 71.635M | 74.565M | 72.069M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.13M | 24.834M | 3.13M | 18.35M | 3.13M | 18.871M | 3.13M | 30.449M |

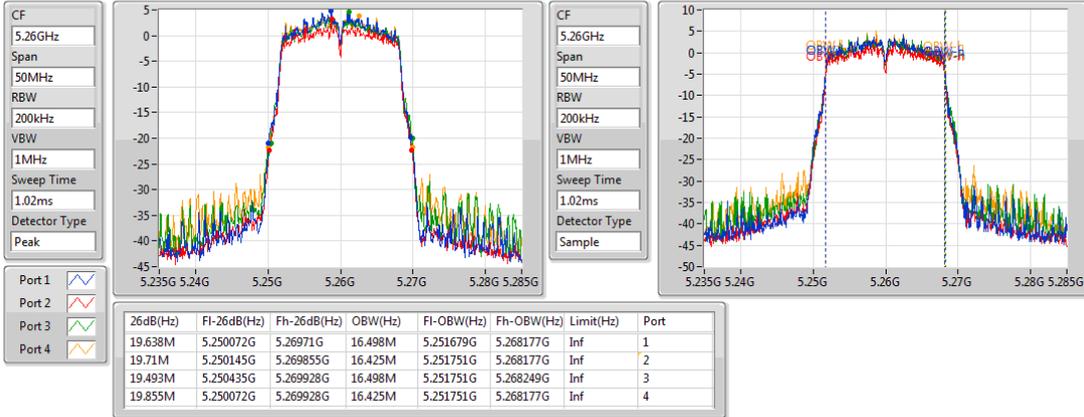
Port X-N dB = 26dB down bandwidth

Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

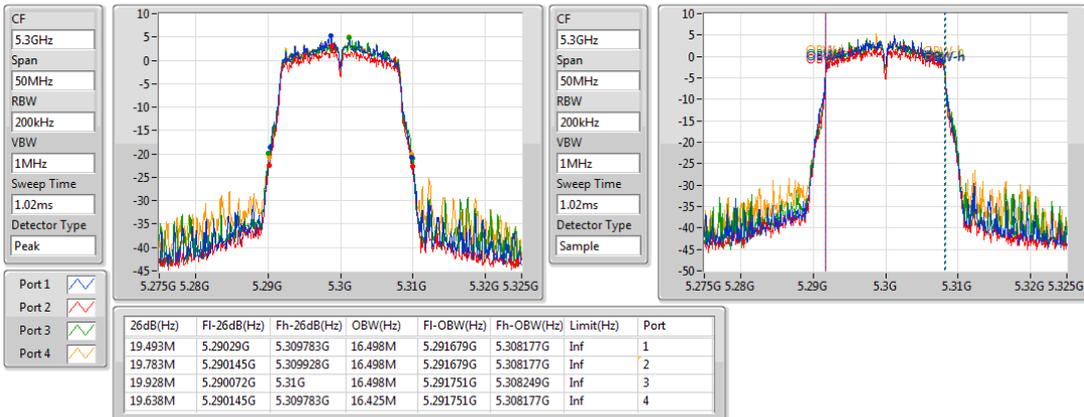
5260MHz



802.11a_Nss1,(6Mbps)_4TX

EBW

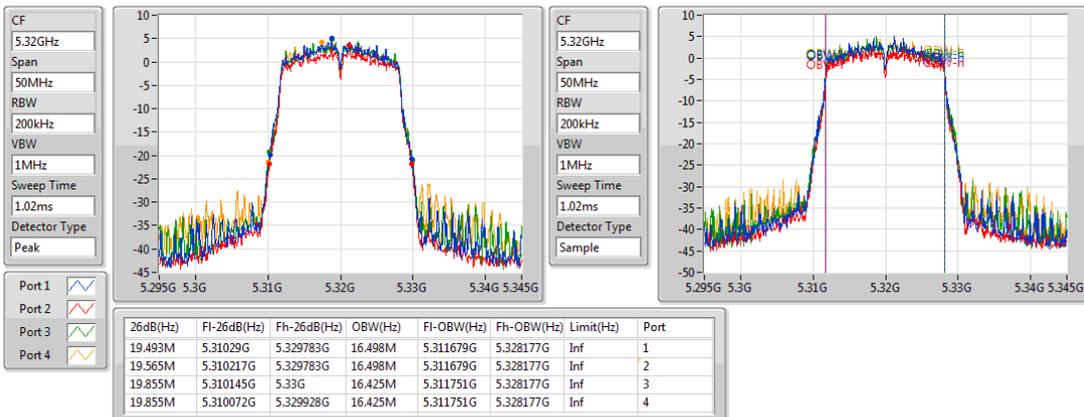
5300MHz



802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz



802.11a_Nss1,(6Mbps)_4TX

EBW

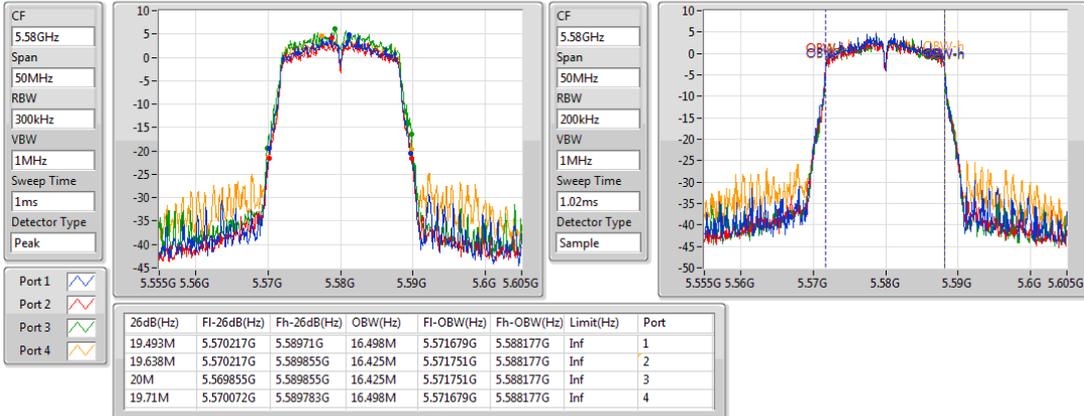
5500MHz



802.11a_Nss1,(6Mbps)_4TX

EBW

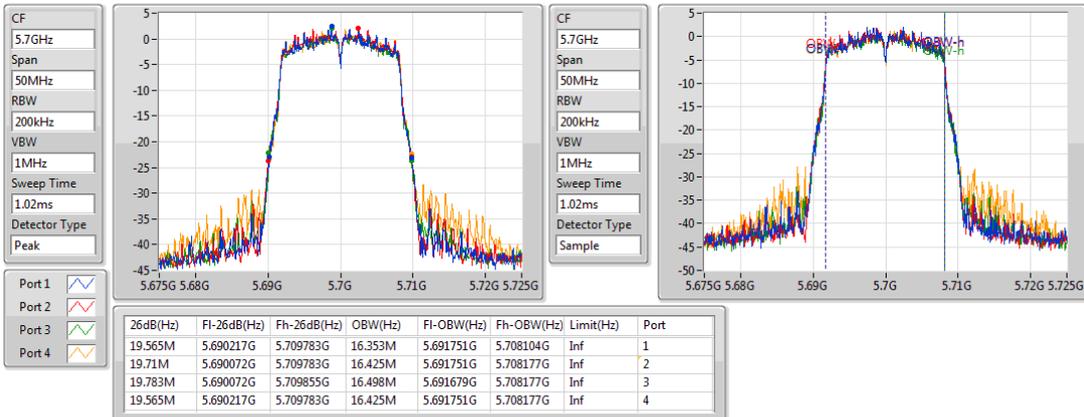
5580MHz



802.11a_Nss1,(6Mbps)_4TX

EBW

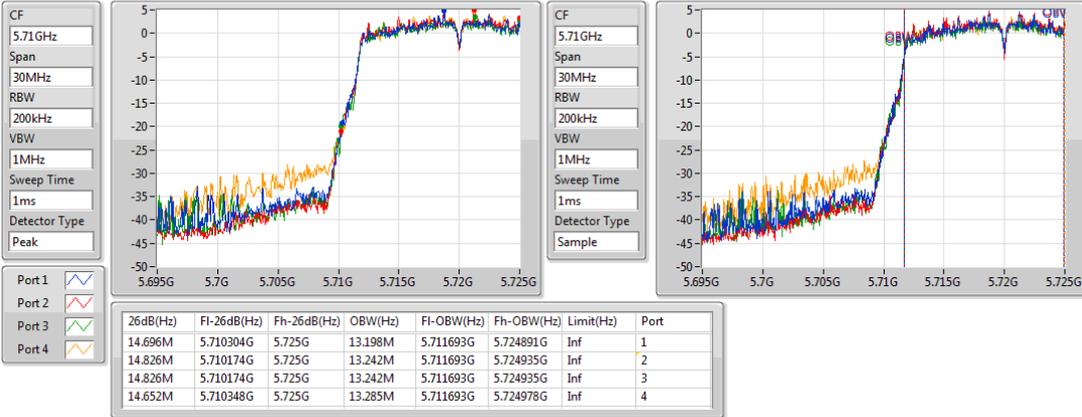
5700MHz



802.11a_Nss1,(6Mbps)_4TX

EBW

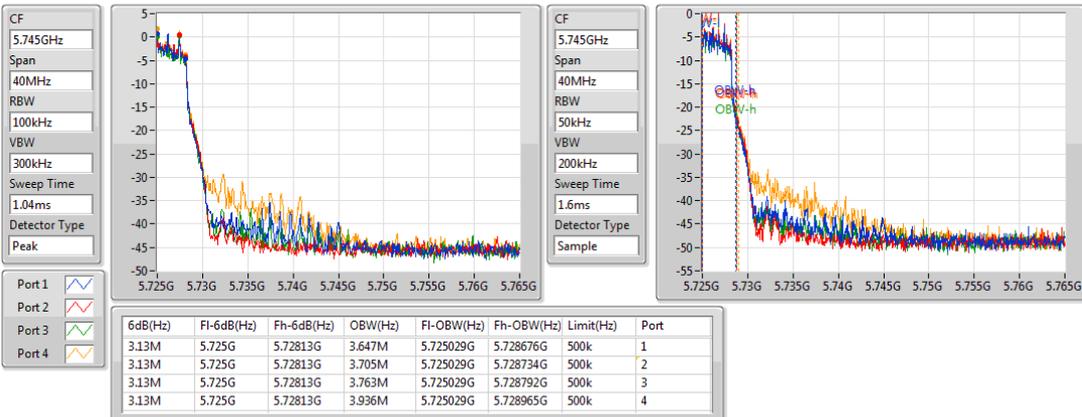
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_4TX

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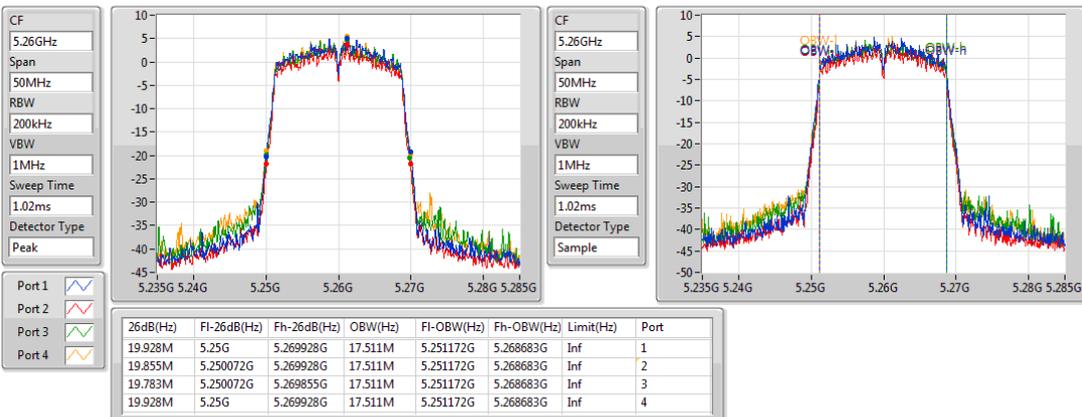
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

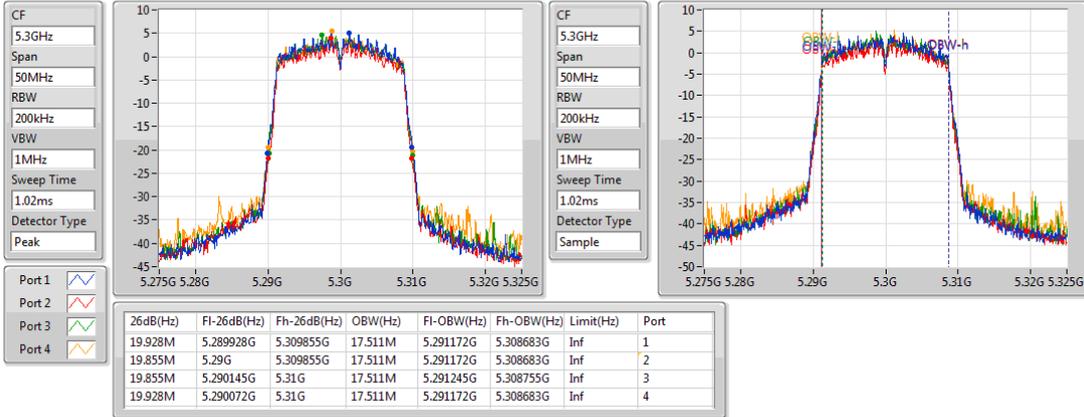
5260MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

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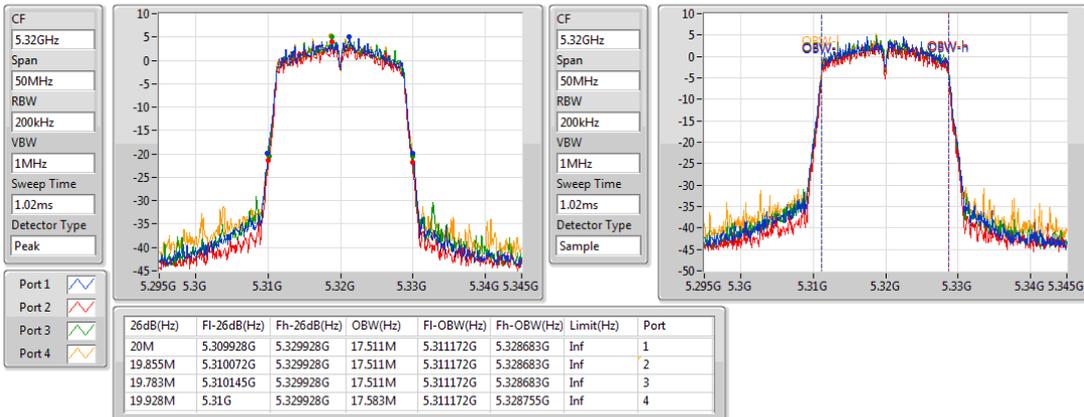
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802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5320MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

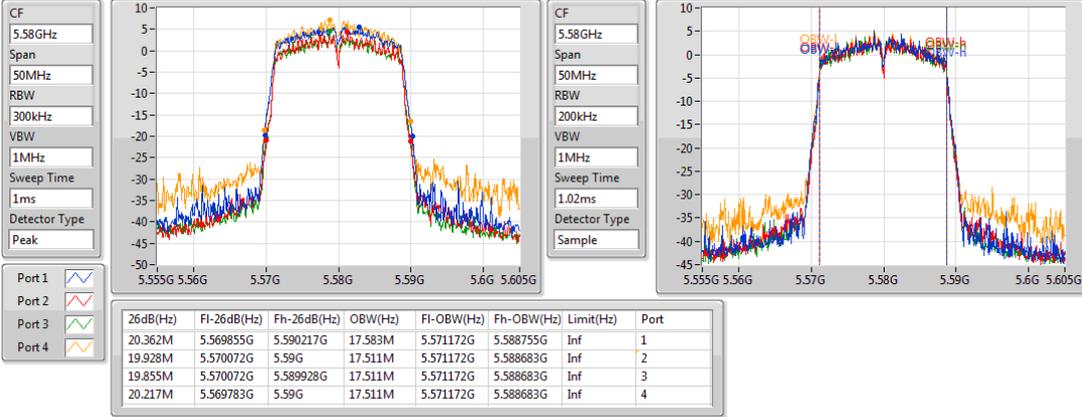
5500MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

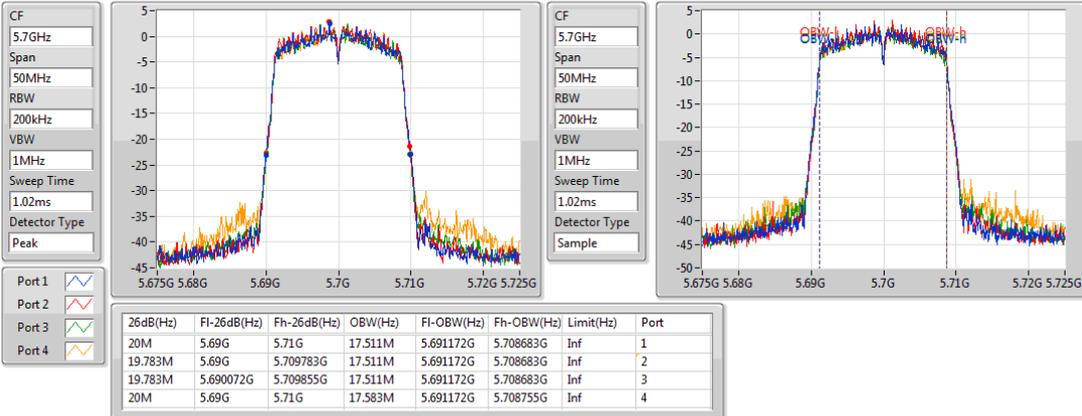
5580MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

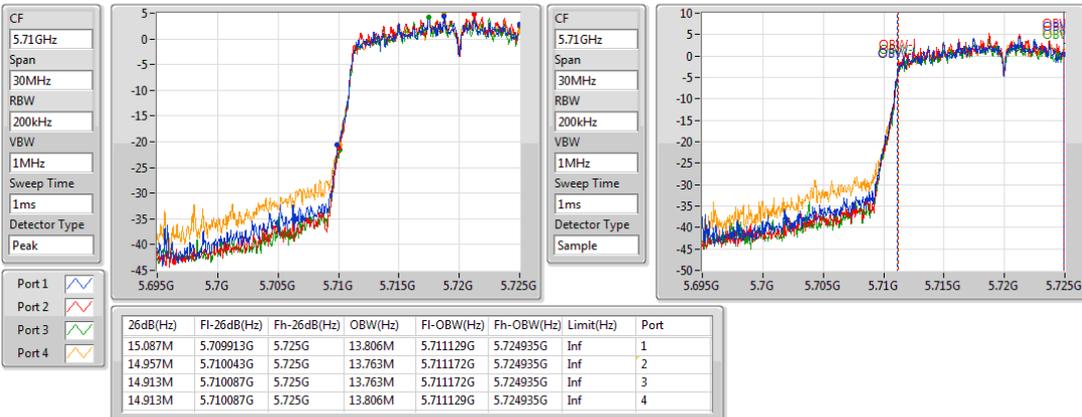
5700MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

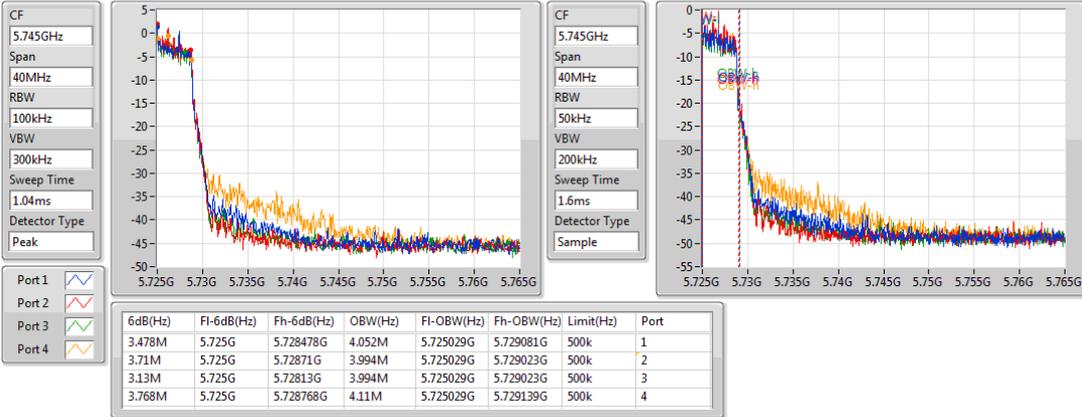
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

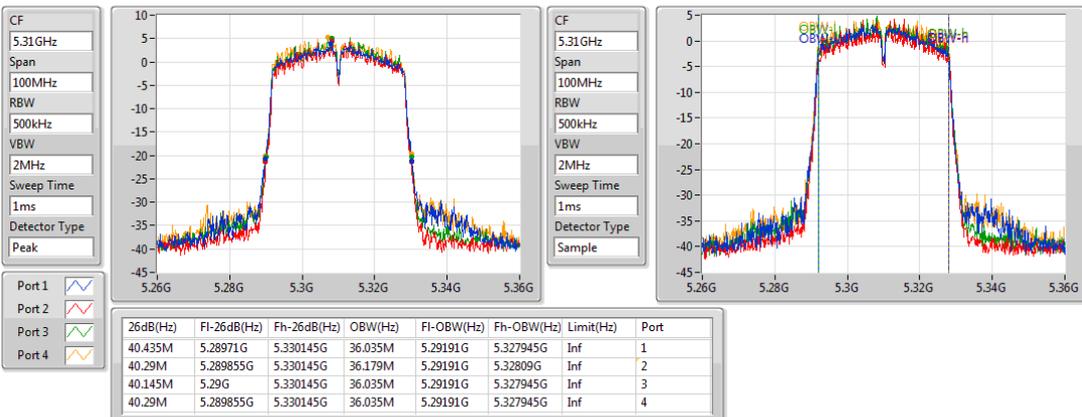
5270MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

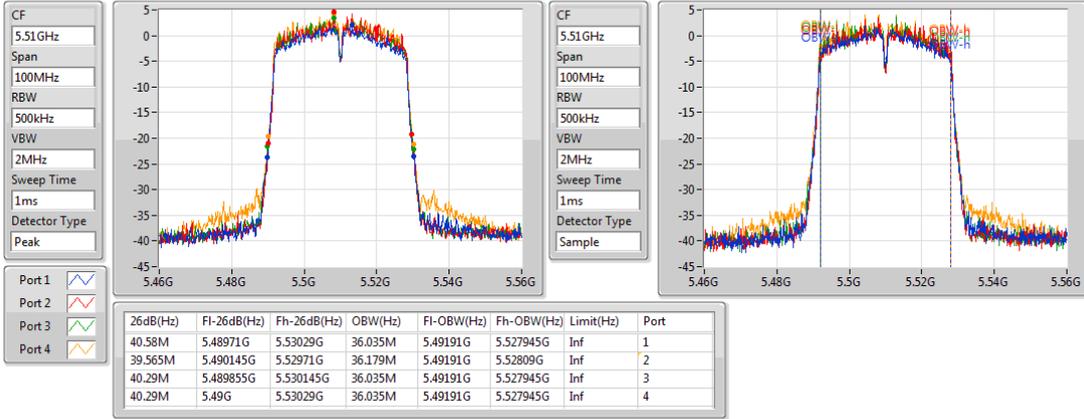
5310MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

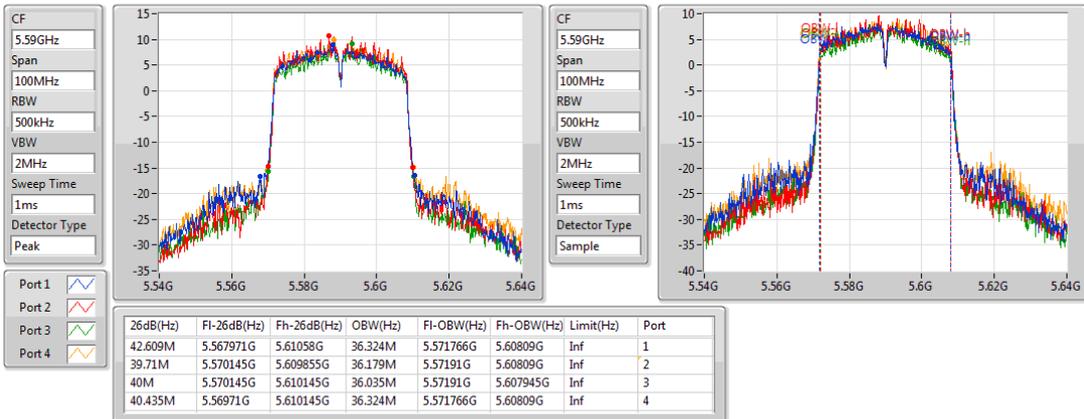
5510MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

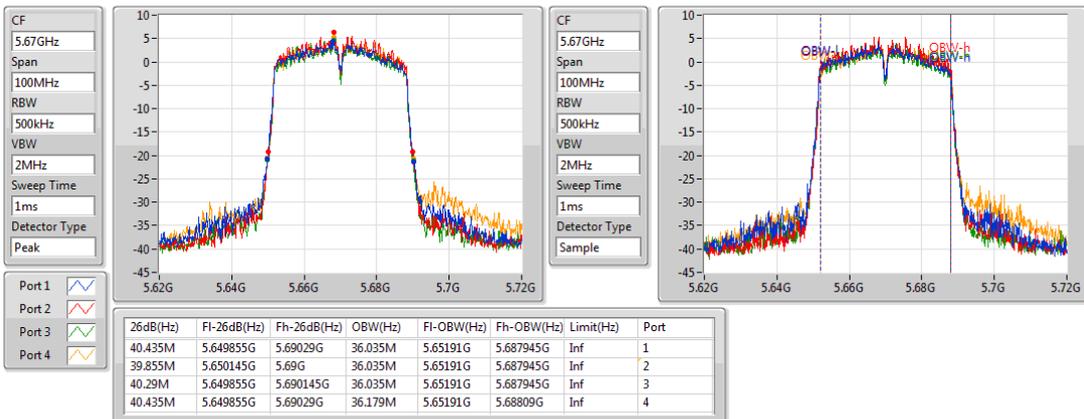
5590MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

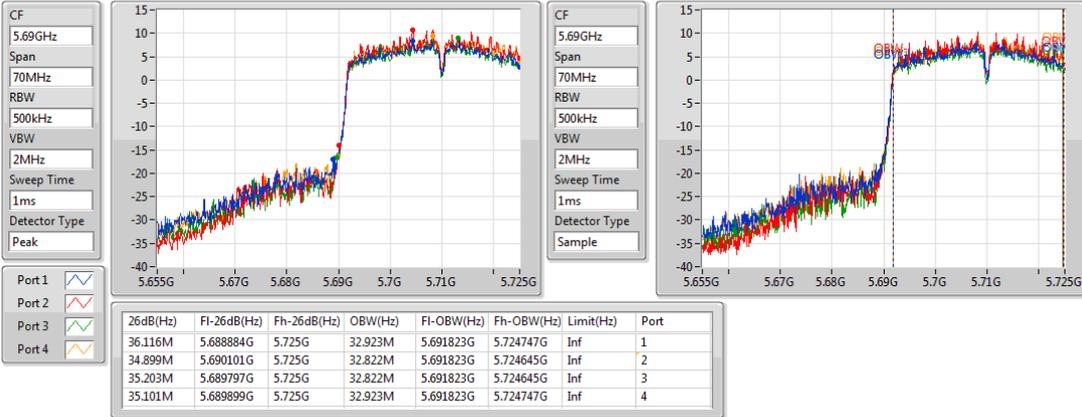
5670MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

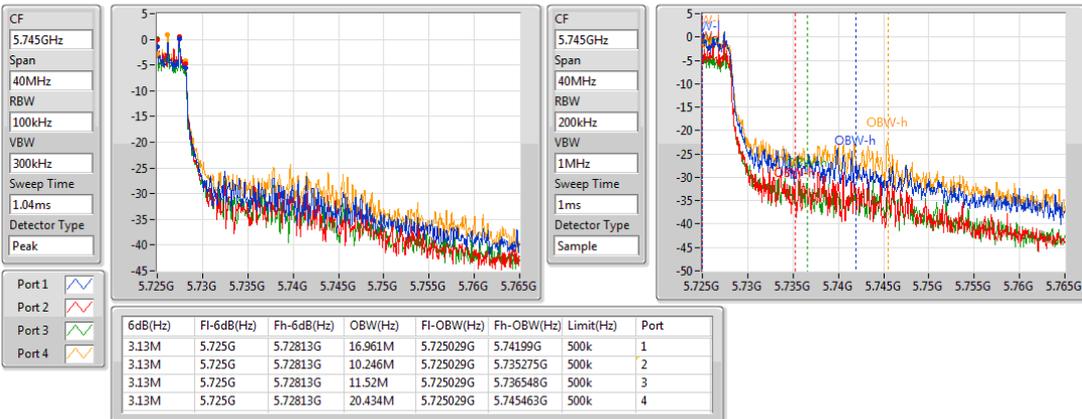
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

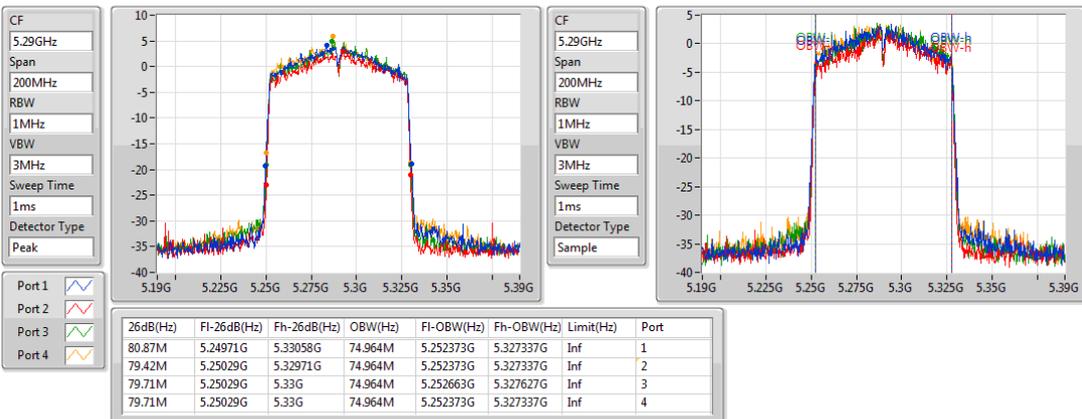
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

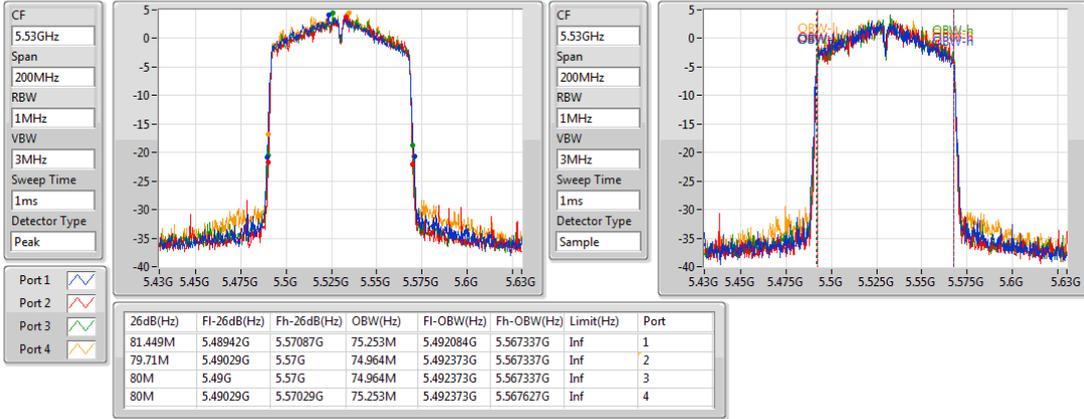
5290MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

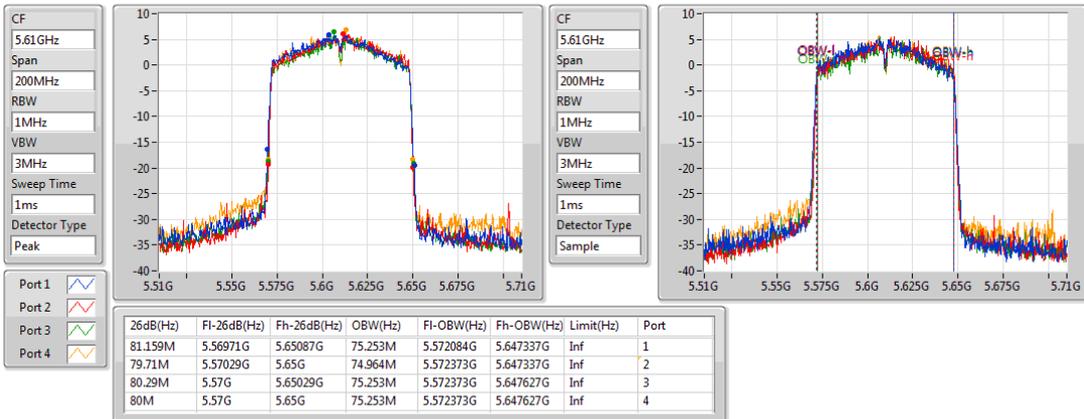
5530MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

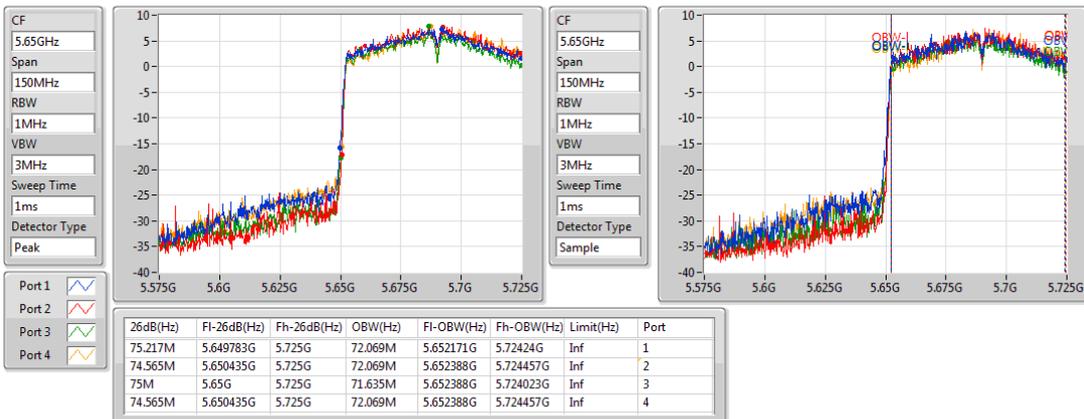
5610MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

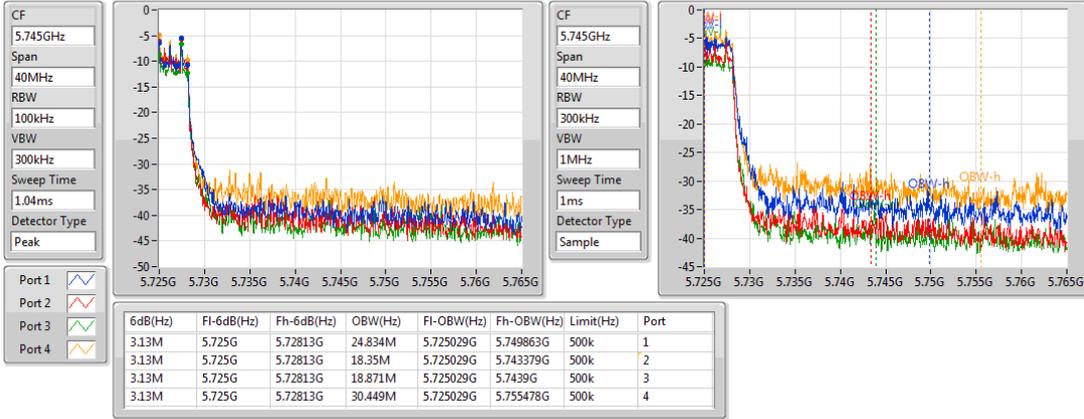
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz



Beamforming mode

Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|--------------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 20.725M | 17.728M | 17M7D1D | 20.435M | 17.656M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 41.304M | 36.469M | 36M5D1D | 40.435M | 36.179M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 82.029M | 75.832M | 75M8D1D | 81.159M | 75.543M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 20.652M | 17.728M | 17M7D1D | 15.13M | 13.849M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 41.449M | 36.469M | 36M5D1D | 35.304M | 32.923M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 82.319M | 76.122M | 76M1D1D | 75.652M | 72.504M |

Max-N dB = Maximum 26dB down bandwidth

Max-OBW = Maximum 99% occupied bandwidth

Min-N dB = Maximum 26dB down bandwidth

Min-OBW = Minimum 99% occupied bandwidth

Result

| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OB W (Hz) | Port 2-N dB (Hz) | Port 2-OB W (Hz) | Port 3-N dB (Hz) | Port 3-OB W (Hz) | Port 4-N dB (Hz) | Port 4-OB W (Hz) |
|---------------------------------------|--------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 802.11ac VHT20-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 20.725M | 17.728M | 20.435M | 17.728M | 20.58M | 17.728M | 20.507M | 17.656M |
| 5300MHz | Pass | Inf | 20.58M | 17.656M | 20.58M | 17.728M | 20.507M | 17.656M | 20.507M | 17.728M |
| 5320MHz | Pass | Inf | 20.507M | 17.728M | 20.435M | 17.656M | 20.507M | 17.656M | 20.435M | 17.728M |
| 5500MHz | Pass | Inf | 20.58M | 17.583M | 20.507M | 17.656M | 20.58M | 17.656M | 20.652M | 17.728M |
| 5580MHz | Pass | Inf | 20M | 17.583M | 20.58M | 17.656M | 20.652M | 17.728M | 20.507M | 17.728M |
| 5700MHz | Pass | Inf | 20M | 17.728M | 20.362M | 17.728M | 20.435M | 17.728M | 20.58M | 17.728M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.174M | 13.893M | 15.13M | 13.936M | 15.13M | 13.936M | 15.13M | 13.849M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.768M | 4.11M | 3.826M | 4.052M | 3.768M | 4.11M | 3.768M | 4.226M |
| 802.11ac VHT40-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 41.159M | 36.179M | 40.435M | 36.179M | 41.304M | 36.324M | 41.014M | 36.469M |
| 5310MHz | Pass | Inf | 40.725M | 36.324M | 40.725M | 36.179M | 40.58M | 36.179M | 41.014M | 36.324M |
| 5510MHz | Pass | Inf | 41.014M | 36.324M | 40.435M | 36.035M | 40.725M | 36.179M | 40.87M | 36.324M |
| 5590MHz | Pass | Inf | 41.159M | 36.179M | 40.58M | 36.179M | 40.725M | 36.324M | 41.449M | 36.469M |
| 5670MHz | Pass | Inf | 40.725M | 36.324M | 40.725M | 36.179M | 40.435M | 36.324M | 41.159M | 36.324M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 35.406M | 33.025M | 35.304M | 32.923M | 35.609M | 33.025M | 35.304M | 33.025M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.188M | 4.805M | 3.246M | 3.936M | 3.13M | 3.994M | 3.246M | 4.573M |
| 802.11ac VHT80-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 82.029M | 75.832M | 81.449M | 75.832M | 81.159M | 75.543M | 82.029M | 75.832M |
| 5530MHz | Pass | Inf | 81.159M | 75.832M | 81.159M | 76.122M | 80.87M | 75.832M | 81.159M | 76.122M |
| 5610MHz | Pass | Inf | 81.449M | 75.543M | 81.159M | 75.832M | 82.319M | 75.832M | 82.029M | 75.832M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 75.87M | 72.504M | 75.652M | 72.504M | 75.87M | 72.504M | 75.87M | 72.504M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.246M | 12.967M | 3.246M | 6.831M | 3.246M | 14.877M | 3.246M | 19.682M |

Port X-N dB = 26dB down bandwidth

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

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

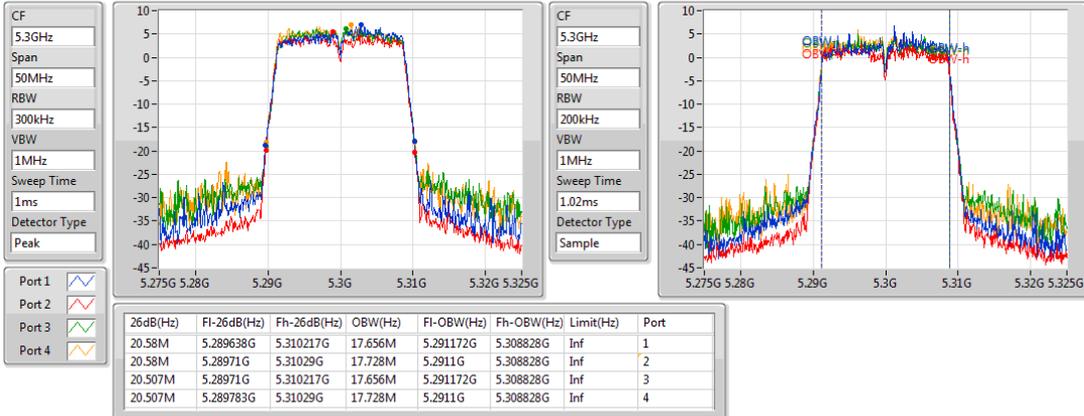
5260MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

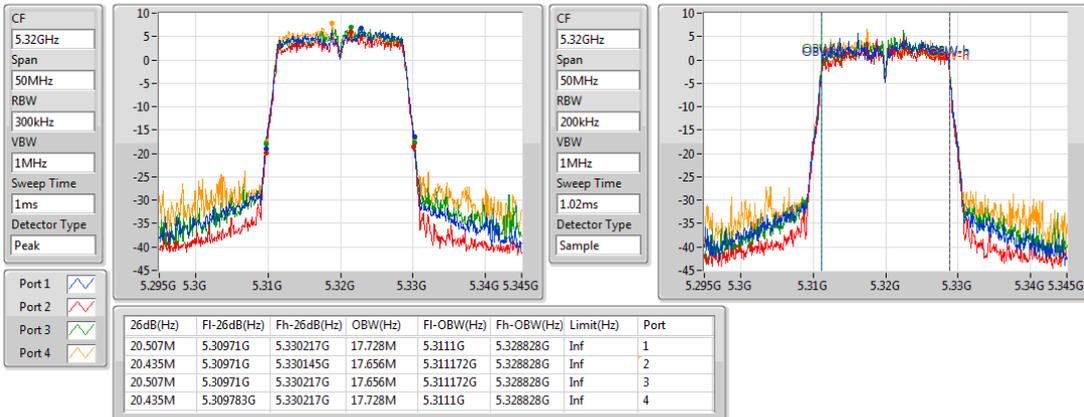
5300MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

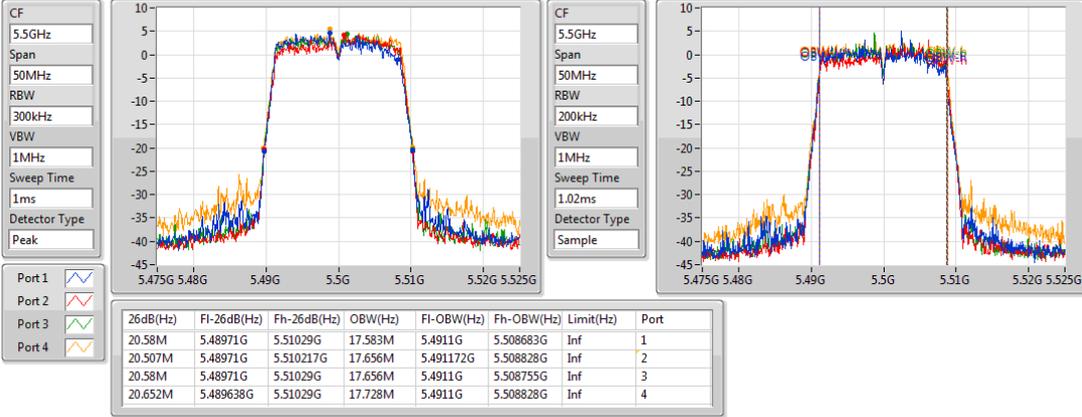
5320MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

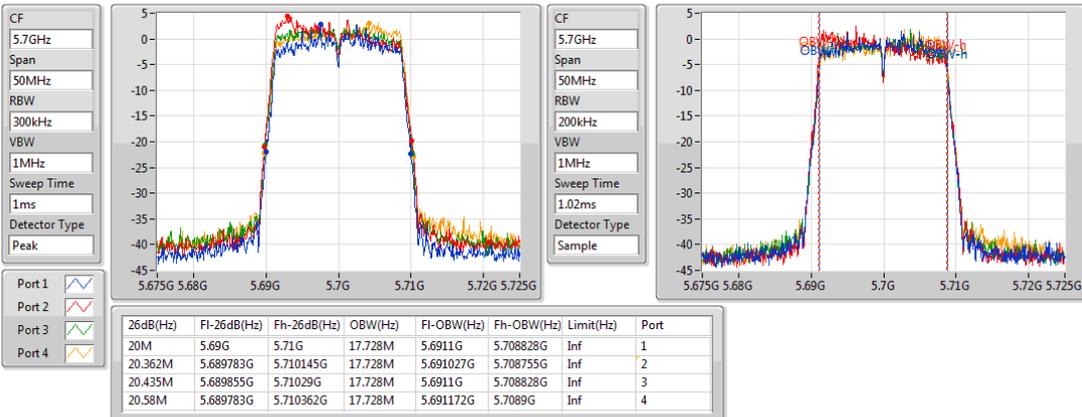
5580MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

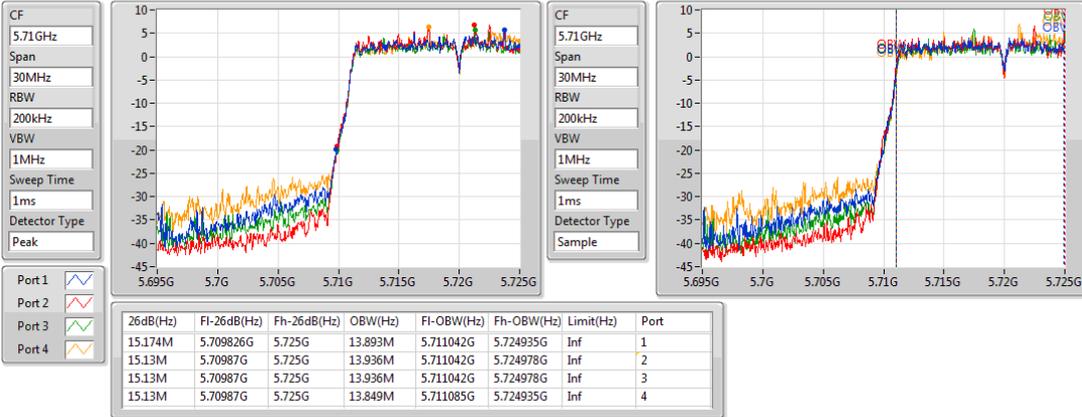
5700MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

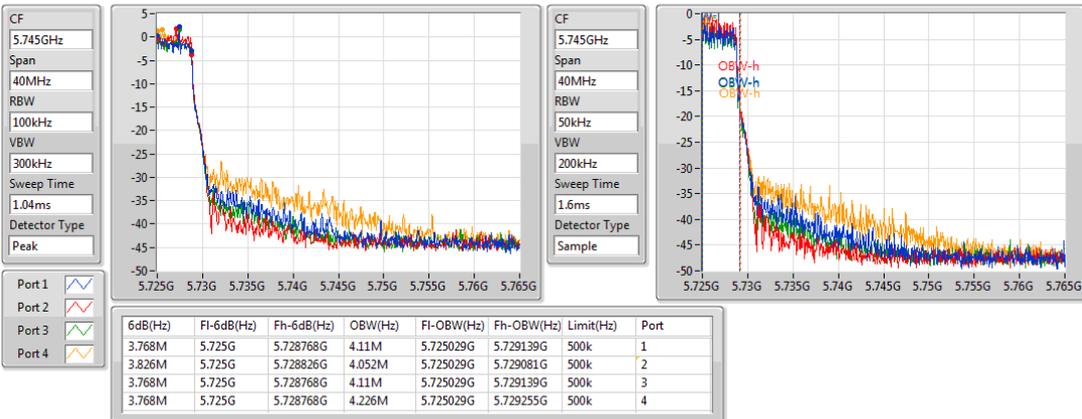
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

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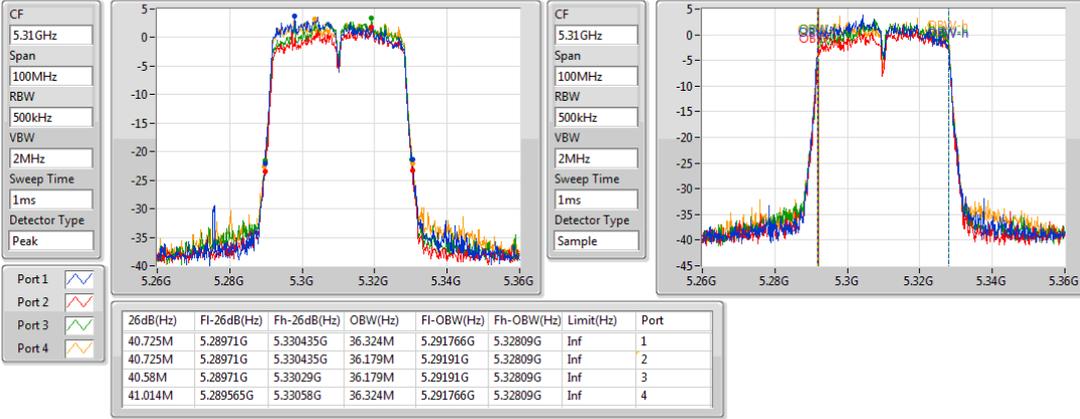
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802.11ac VHT40-BF_Nss1,(MCS0)_4TX

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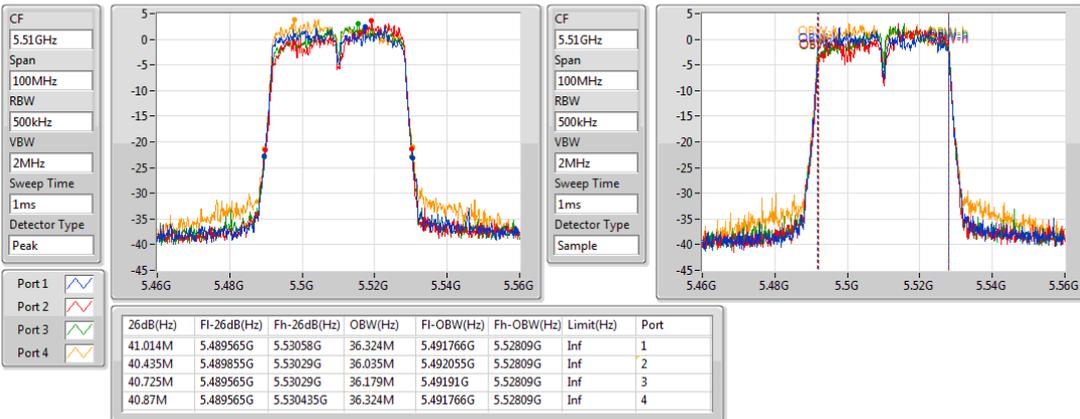
5310MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

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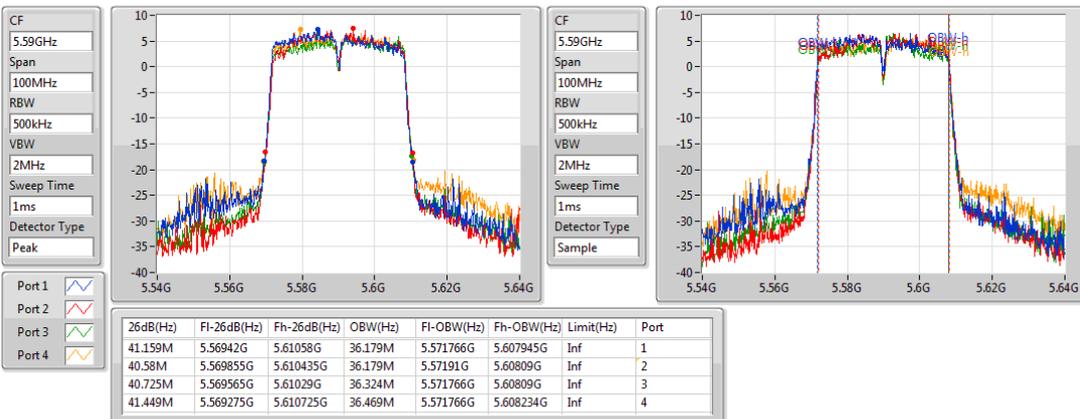
5510MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

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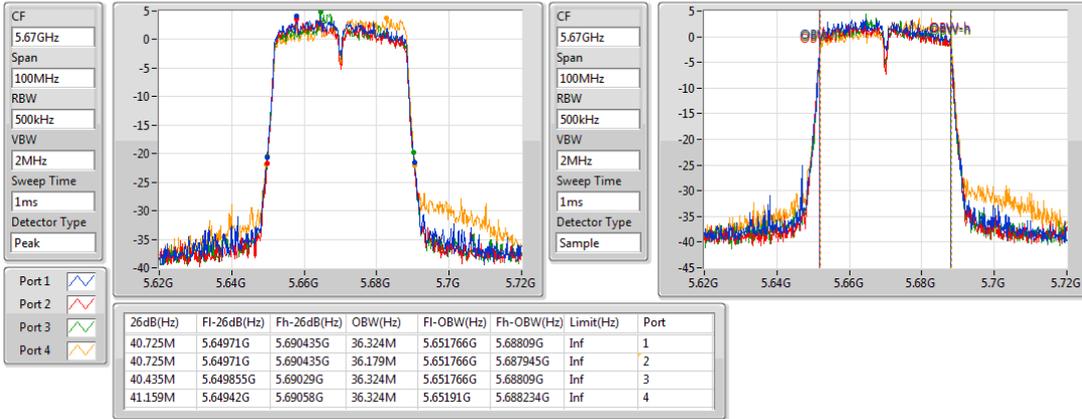
5590MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

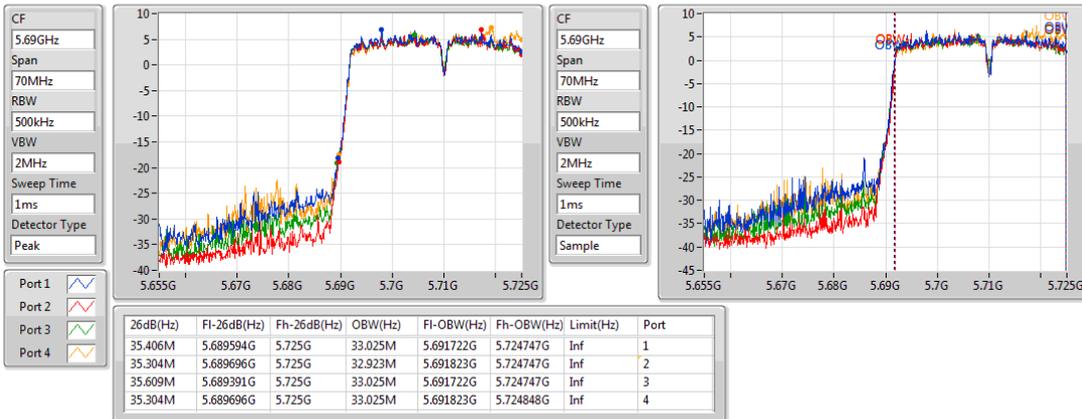
5670MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

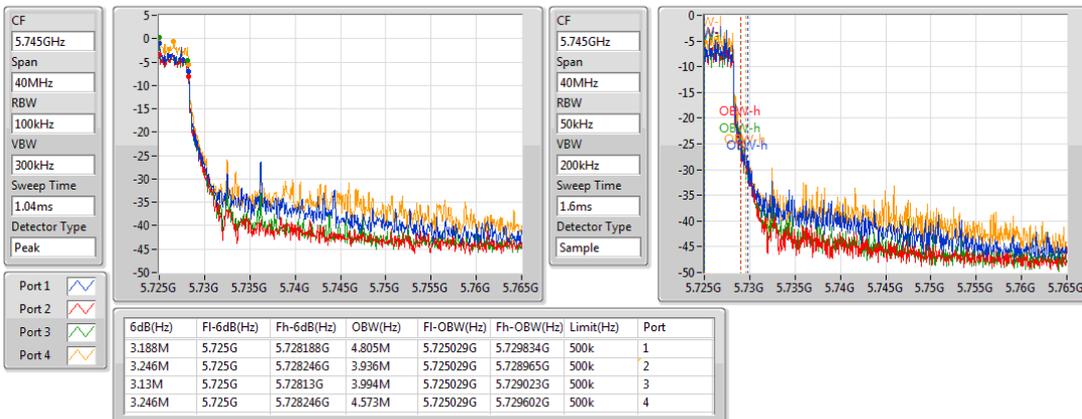
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

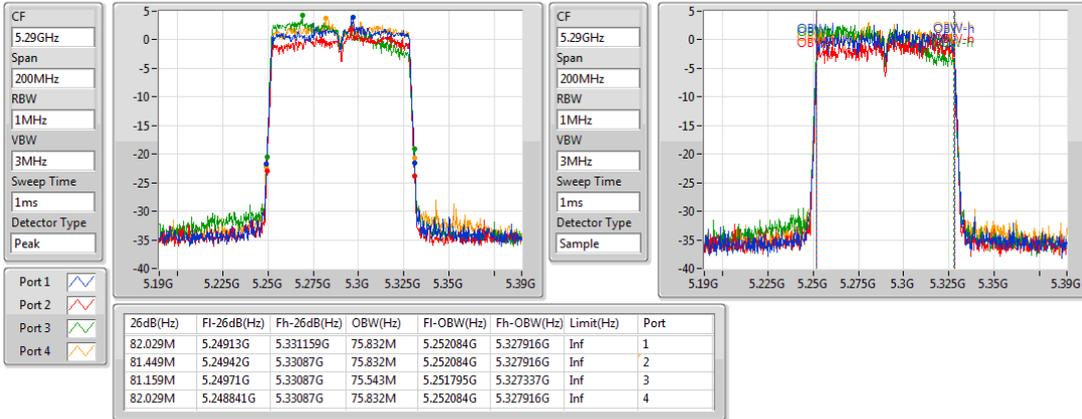
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

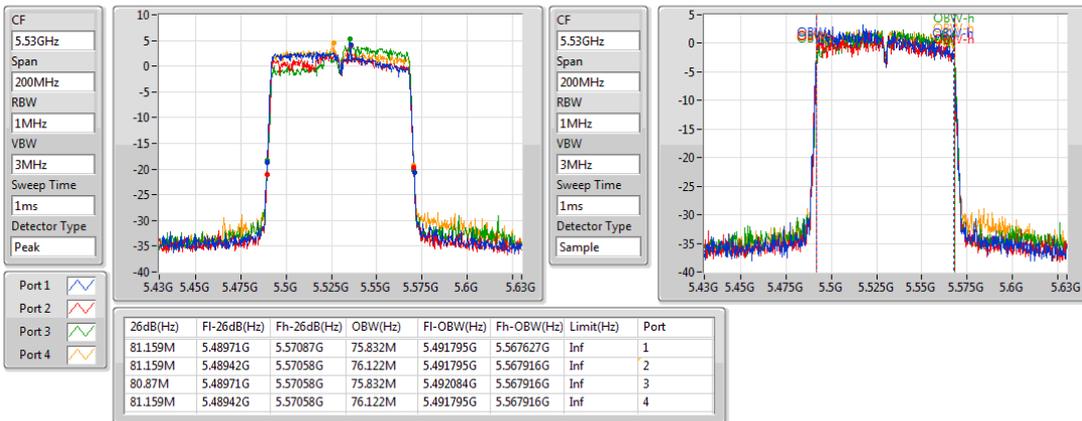
5290MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

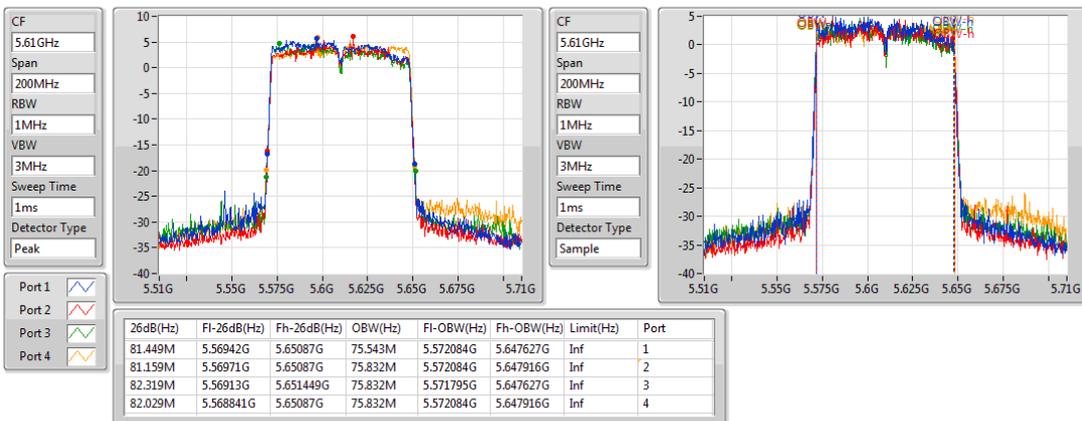
5530MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

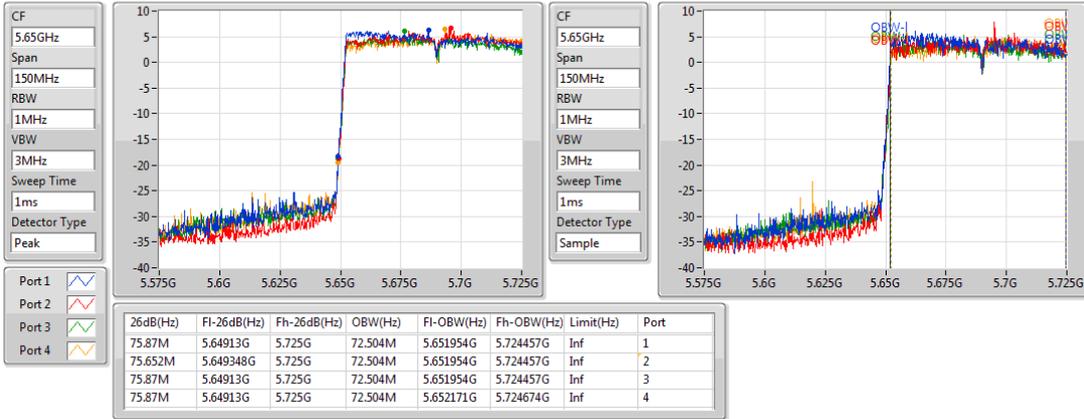
5610MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

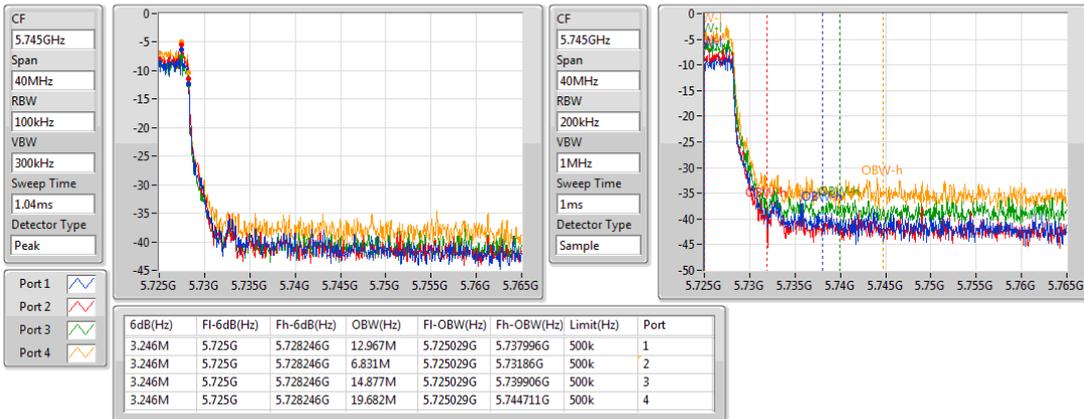
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz



3.3 RF Output Power

3.3.1 Limit of RF Output Power

| Frequency Band (MHz) | Limit |
|---|--|
| <input checked="" type="checkbox"/> 5250 ~ 5350 | Conducted Power: 250mW or 11dBm+10 log B |
| <input checked="" type="checkbox"/> 5470 ~ 5725 | Conducted Power: 250mW or 11dBm+10 log B |

Note: "B" is the 26dB emission bandwidth in MHz.

3.3.2 Test Procedures

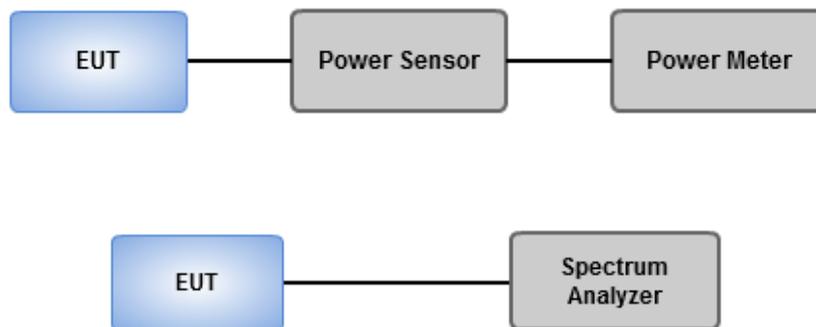
Method PM-G (Measurement using a gated RF average power meter)

Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Spectrum analyzer (For channel that extends across the 5.725 GHz boundary)

1. Set RBW = 1MHz, VBW = 3MHz, Sweep time = Auto, Detector = RMS.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB EBW.
4. Add $10 \log(1/X)$, X:duty cycle) if duty cycle is <98%).

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Non-beamforming mode

Summary

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|--------------------------------|-------------------|-----------------|------------|----------|
| 5.25-5.35GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 20.69 | 0.11722 | 23.04 | 0.20137 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 20.72 | 0.11803 | 23.07 | 0.20277 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 23.60 | 0.22909 | 25.95 | 0.39355 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 17.62 | 0.05781 | 19.97 | 0.09931 |
| 5.47-5.725GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 20.57 | 0.11402 | 23.53 | 0.22542 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 20.65 | 0.11614 | 23.61 | 0.22961 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 23.56 | 0.22699 | 26.52 | 0.44875 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 20.77 | 0.11940 | 23.73 | 0.23605 |

Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|------------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|-------------------------|-------------------------|---------------|------------------------|
| 802.11a_ Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 2.35 | 14.75 | 13.43 | 14.43 | 15.15 | 20.51 | 23.90 | 22.86 | 29.90 |
| 5300MHz | Pass | 2.35 | 15.11 | 13.56 | 14.62 | 15.21 | 20.69 | 23.90 | 23.04 | 29.90 |
| 5320MHz | Pass | 2.35 | 14.99 | 13.74 | 14.66 | 15.12 | 20.68 | 23.90 | 23.03 | 29.90 |
| 5500MHz | Pass | 2.96 | 12.87 | 12.94 | 13.46 | 13.54 | 19.23 | 23.93 | 22.19 | 29.93 |
| 5580MHz | Pass | 2.96 | 14.89 | 13.93 | 14.14 | 15.12 | 20.57 | 23.90 | 23.53 | 29.90 |
| 5700MHz | Pass | 2.96 | 12.25 | 12.42 | 12.08 | 11.92 | 18.19 | 23.91 | 21.15 | 29.91 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 2.96 | 12.77 | 13.78 | 13.30 | 13.48 | 19.37 | 24.00 | 22.33 | 30.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 2.66 | 5.16 | 6.37 | 5.49 | 6.43 | 11.92 | 30.00 | 14.58 | 36.00 |
| 802.11ac VHT20_ Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 2.35 | 14.67 | 13.45 | 14.52 | 15.34 | 20.57 | 23.96 | 22.92 | 29.96 |
| 5300MHz | Pass | 2.35 | 14.83 | 13.58 | 14.67 | 15.15 | 20.62 | 23.98 | 22.97 | 29.98 |
| 5320MHz | Pass | 2.35 | 14.87 | 13.74 | 14.93 | 15.11 | 20.72 | 23.96 | 23.07 | 29.96 |
| 5500MHz | Pass | 2.96 | 12.48 | 12.63 | 13.01 | 13.15 | 18.85 | 23.98 | 21.81 | 29.98 |
| 5580MHz | Pass | 2.96 | 14.79 | 14.01 | 14.42 | 15.22 | 20.65 | 23.98 | 23.61 | 29.98 |
| 5700MHz | Pass | 2.96 | 12.08 | 12.56 | 12.14 | 11.85 | 18.19 | 23.96 | 21.15 | 29.96 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 2.96 | 12.71 | 13.85 | 13.22 | 13.54 | 19.37 | 24.00 | 22.33 | 30.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 2.66 | 5.38 | 6.63 | 5.84 | 6.38 | 12.10 | 30.00 | 14.76 | 36.00 |
| 802.11ac VHT40_ Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 2.35 | 18.01 | 16.58 | 17.34 | 18.19 | 23.60 | 24.00 | 25.95 | 30.00 |
| 5310MHz | Pass | 2.35 | 13.25 | 11.79 | 12.88 | 12.83 | 18.74 | 24.00 | 21.09 | 30.00 |
| 5510MHz | Pass | 2.96 | 11.36 | 11.28 | 11.78 | 11.95 | 17.62 | 24.00 | 20.58 | 30.00 |
| 5590MHz | Pass | 2.96 | 18.01 | 17.31 | 17.01 | 17.75 | 23.56 | 24.00 | 26.52 | 30.00 |
| 5670MHz | Pass | 2.96 | 13.35 | 13.08 | 12.89 | 12.55 | 19.00 | 24.00 | 21.96 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 2.96 | 16.28 | 17.39 | 16.64 | 16.91 | 22.84 | 24.00 | 25.80 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 2.66 | 3.89 | 5.00 | 3.88 | 5.10 | 10.53 | 30.00 | 13.19 | 36.00 |
| 802.11ac VHT80_ Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |

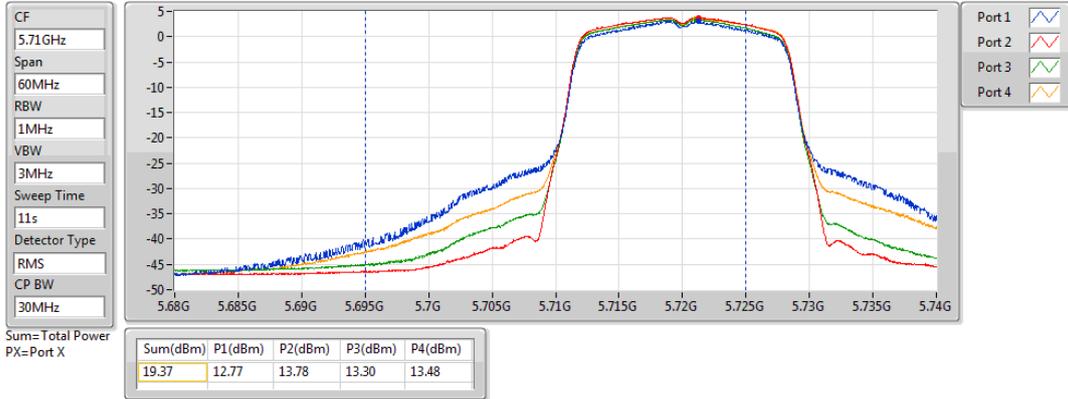
| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|-------------------------|-------------------------|---------------|------------------------|
| 5290MHz | Pass | 2.35 | 11.85 | 10.58 | 11.89 | 11.93 | 17.62 | 24.00 | 19.97 | 30.00 |
| 5530MHz | Pass | 2.96 | 11.69 | 11.55 | 11.41 | 11.98 | 17.68 | 24.00 | 20.64 | 30.00 |
| 5610MHz | Pass | 2.96 | 13.52 | 13.21 | 13.06 | 12.99 | 19.22 | 24.00 | 22.18 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 2.96 | 14.55 | 15.29 | 14.32 | 14.79 | 20.77 | 24.00 | 23.73 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 2.66 | -2.23 | -1.43 | -2.77 | -0.75 | 4.29 | 30.00 | 6.95 | 36.00 |

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

802.11a_Nss1,(6Mbps)_4TX

AV Power

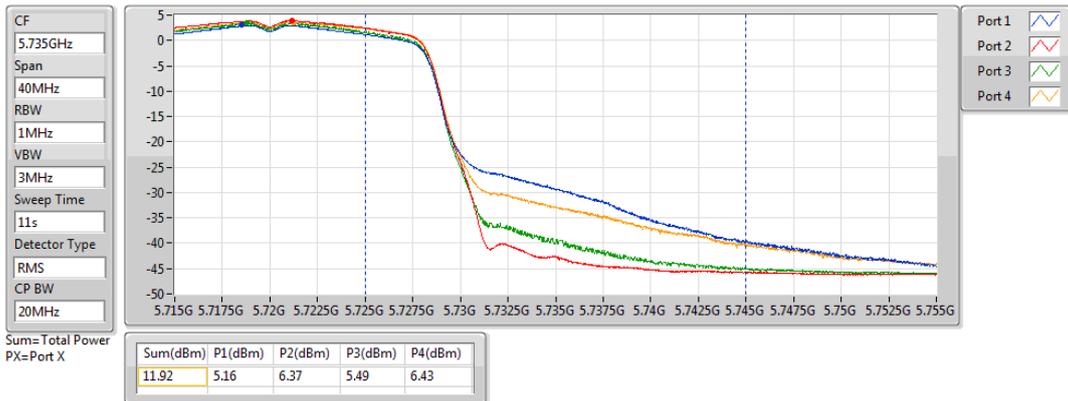
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_4TX

AV Power

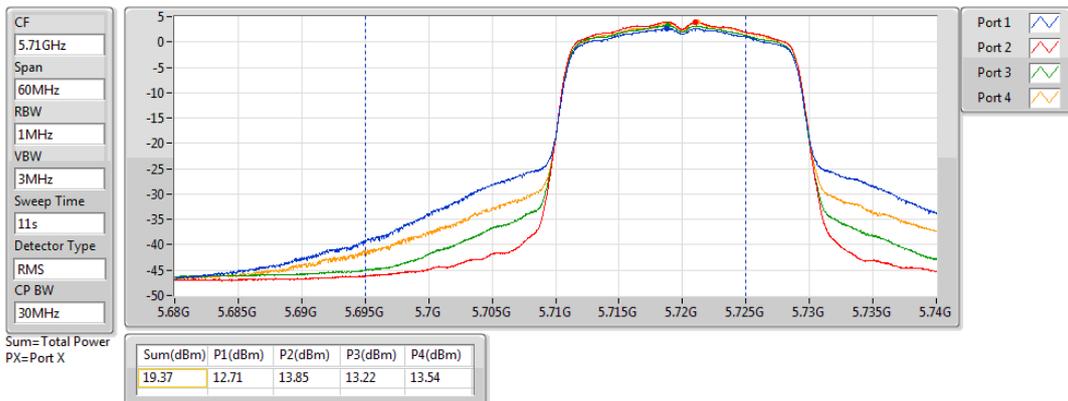
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

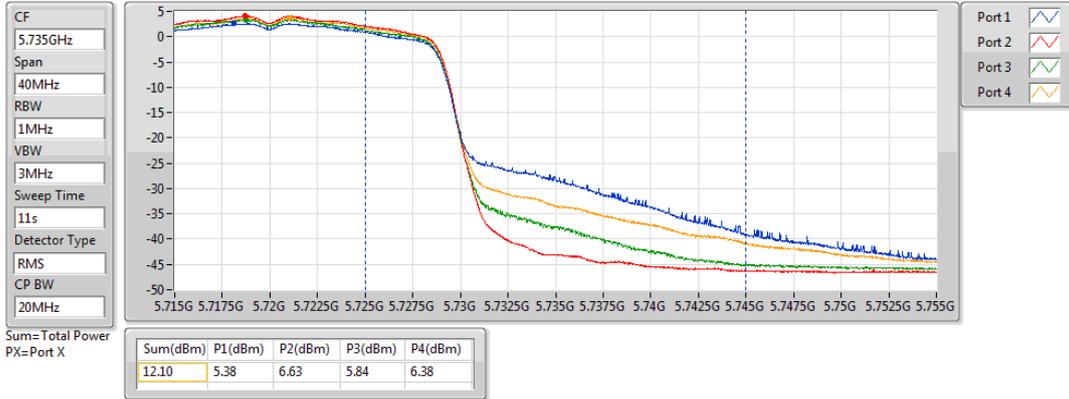
AV Power

5720MHz Straddle 5.47-5.725GHz



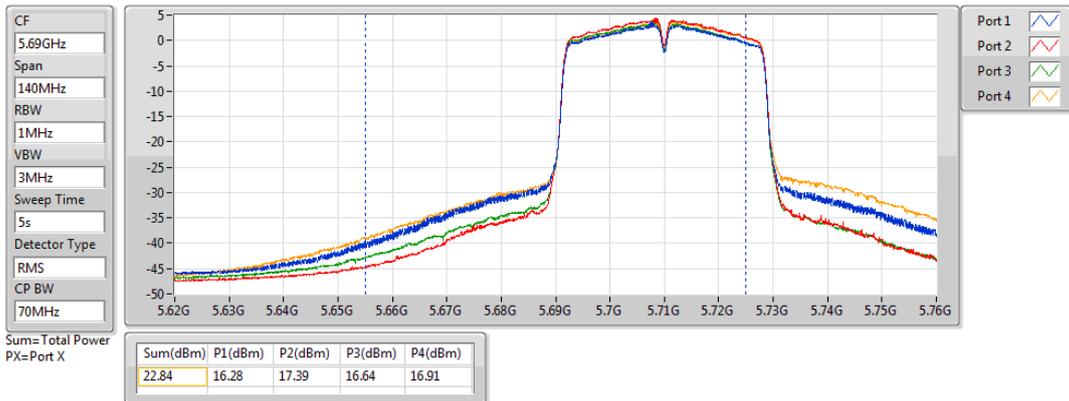
802.11ac VHT20_Nss1,(MCS0)_4TX
5720MHz Straddle 5.725-5.85GHz

AV Power



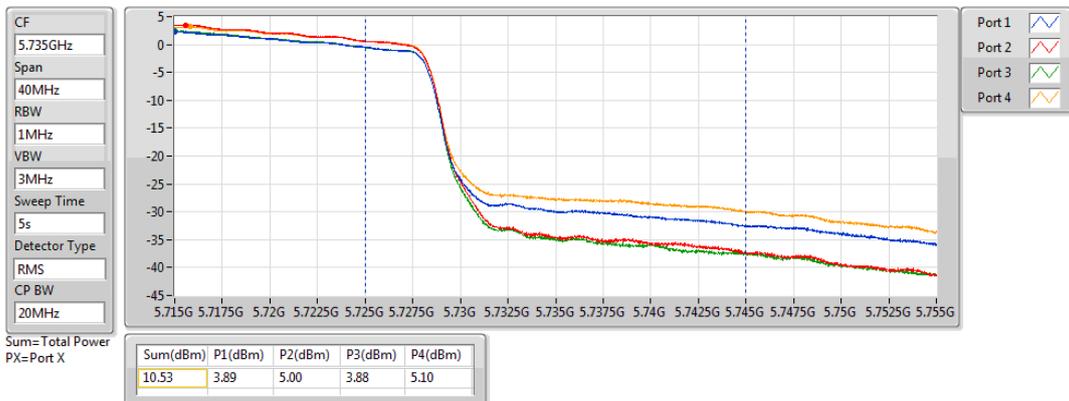
802.11ac VHT40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.47-5.725GHz

AV Power



802.11ac VHT40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.725-5.85GHz

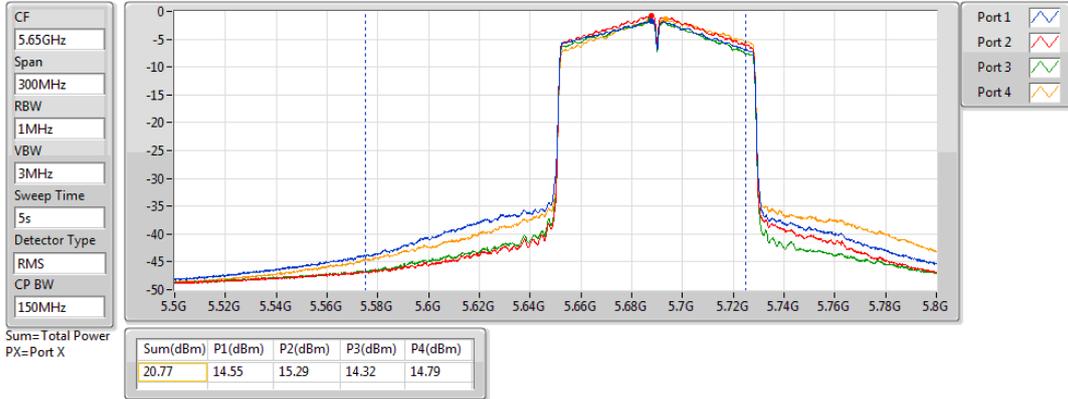
AV Power



802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

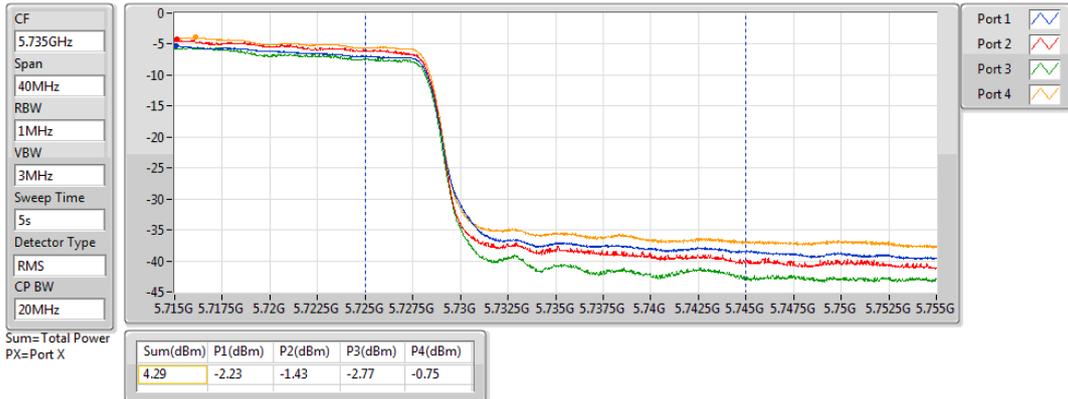
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz



Beamforming mode

Summary

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|--------------------------------------|----------------------|--------------------|---------------|-------------|
| 5.25-5.35GHz | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 20.62 | 0.11535 | 28.88 | 0.77268 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 21.43 | 0.13900 | 29.69 | 0.93111 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 16.66 | 0.04634 | 24.92 | 0.31046 |
| 5.47-5.725GHz | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 20.19 | 0.10447 | 28.58 | 0.72111 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 21.44 | 0.13932 | 29.83 | 0.96161 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 19.83 | 0.09616 | 28.22 | 0.66374 |

Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---------------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|-------------------------|-------------------------|---------------|------------------------|
| 802.11ac VHT20-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 8.26 | 14.52 | 13.41 | 14.26 | 15.16 | 20.40 | 21.74 | 28.66 | 30.00 |
| 5300MHz | Pass | 8.26 | 14.78 | 13.48 | 14.68 | 14.76 | 20.48 | 21.74 | 28.74 | 30.00 |
| 5320MHz | Pass | 8.26 | 14.85 | 13.84 | 14.81 | 14.83 | 20.62 | 21.74 | 28.88 | 30.00 |
| 5500MHz | Pass | 8.39 | 12.25 | 12.26 | 12.24 | 12.84 | 18.43 | 21.61 | 26.82 | 30.00 |
| 5580MHz | Pass | 8.39 | 14.55 | 13.85 | 13.99 | 14.25 | 20.19 | 21.61 | 28.58 | 30.00 |
| 5700MHz | Pass | 8.39 | 10.96 | 11.31 | 10.85 | 10.64 | 16.97 | 21.61 | 25.36 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 13.42 | 13.41 | 13.14 | 13.46 | 19.38 | 21.61 | 27.77 | 30.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 8.57 | 7.52 | 8.34 | 7.07 | 7.37 | 13.62 | 27.43 | 22.19 | 36.00 |
| 802.11ac VHT40-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 8.26 | 15.76 | 14.45 | 15.41 | 15.89 | 21.43 | 21.74 | 29.69 | 30.00 |
| 5310MHz | Pass | 8.26 | 12.06 | 10.89 | 11.52 | 11.86 | 17.63 | 21.74 | 25.89 | 30.00 |
| 5510MHz | Pass | 8.39 | 11.28 | 11.25 | 11.41 | 11.52 | 17.39 | 21.61 | 25.78 | 30.00 |
| 5590MHz | Pass | 8.39 | 16.12 | 15.34 | 15.02 | 15.09 | 21.44 | 21.61 | 29.83 | 30.00 |
| 5670MHz | Pass | 8.39 | 13.02 | 12.25 | 12.16 | 11.86 | 18.36 | 21.61 | 26.75 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 15.04 | 15.70 | 14.52 | 14.89 | 21.08 | 21.61 | 29.47 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 8.57 | 4.59 | 5.42 | 3.41 | 4.44 | 10.54 | 27.43 | 19.11 | 36.00 |
| 802.11ac VHT80-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 8.26 | 11.02 | 9.35 | 10.96 | 11.02 | 16.66 | 21.74 | 24.92 | 30.00 |
| 5530MHz | Pass | 8.39 | 11.12 | 10.84 | 10.91 | 11.22 | 17.05 | 21.61 | 25.44 | 30.00 |
| 5610MHz | Pass | 8.39 | 13.39 | 13.21 | 12.68 | 12.52 | 18.99 | 21.61 | 27.38 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 14.15 | 14.32 | 13.32 | 13.35 | 19.83 | 21.61 | 28.22 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 8.57 | -0.42 | -0.88 | -2.96 | 0.52 | 5.26 | 27.43 | 13.83 | 36.00 |

Port X = Port X output power

For 5250 ~ 5350 MHz

DG = Directional Gain = $10 \times \log((10^{2.09/20} + 10^{2.21/20} + 10^{2.32/20} + 10^{2.35/20})^4 / 4) = 8.26 \text{ dBi} > 6 \text{ dBi}$

Limit shall be reduced to 24 dBm - (8.26 dBi - 6 dBi) = 21.74 dBm

For 5470 ~ 5725MHz

DG = Directional Gain = $10 \times \log((10^{2.27/20} + 10^{2.12/20} + 10^{2.1/20} + 10^{2.96/20})^4 / 4) = 8.39 \text{ dBi} > 6 \text{ dBi}$

Limit shall be reduced to 24 dBm - (8.39 dBi - 6 dBi) = 21.61 dBm

For 5725 ~ 5850MHz

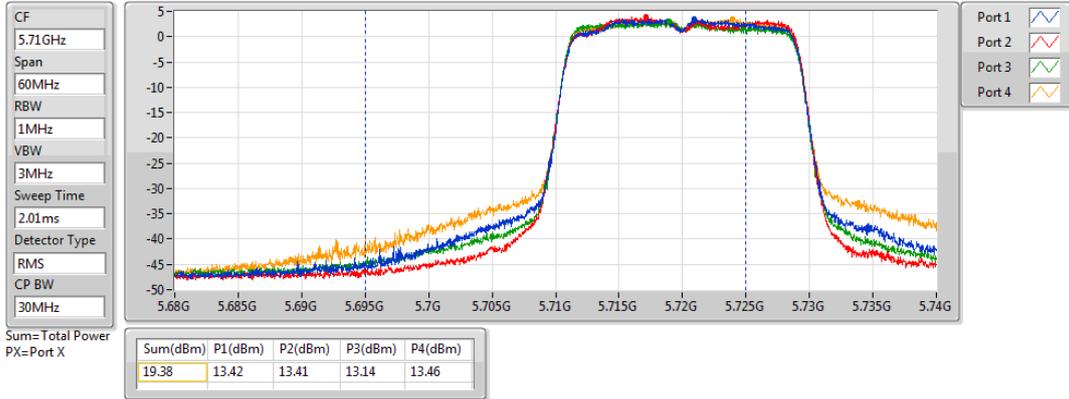
DG = Directional Gain = $10 \times \log\left(\frac{10^{-2.45/20} + 10^{-2.59/20} + 10^{-2.5/20} + 10^{-2.66/20}}{4}\right) = 8.57 \text{ dBi} > 6 \text{ dBi}$

Limit shall be reduced to $30 \text{ dBm} - (8.57 \text{ dBi} - 6 \text{ dBi}) = 27.43 \text{ dBm}$

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

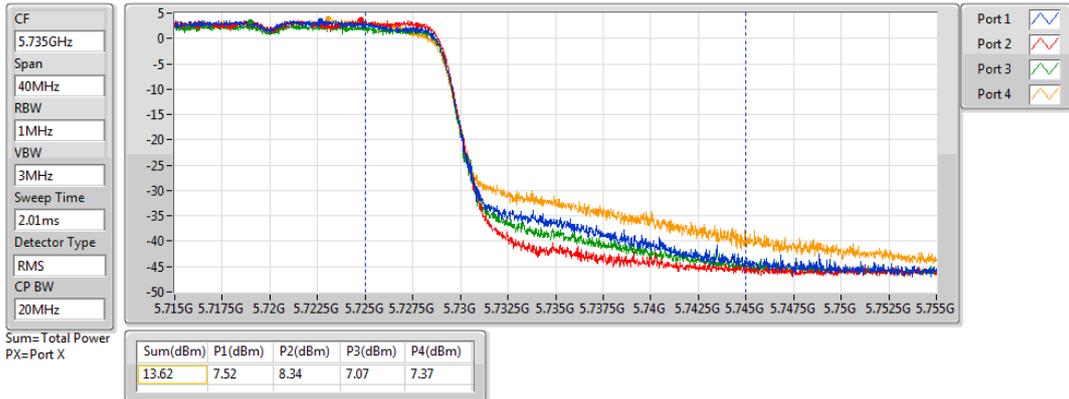
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

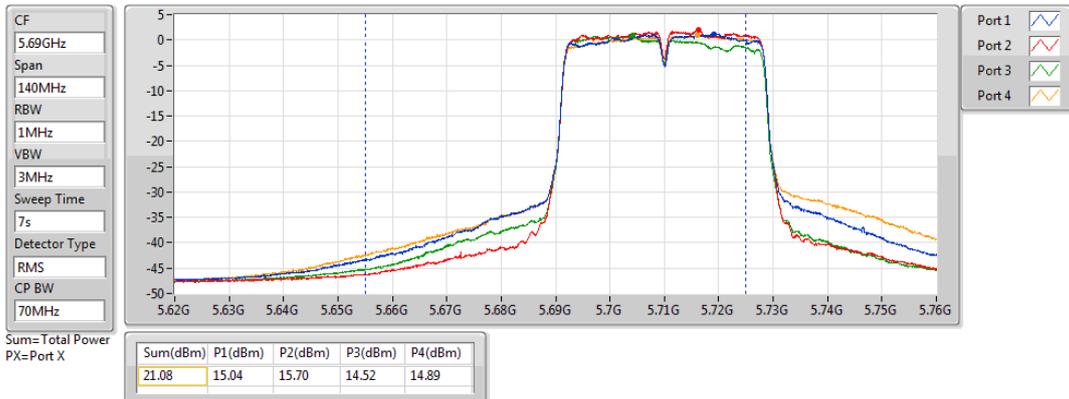
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

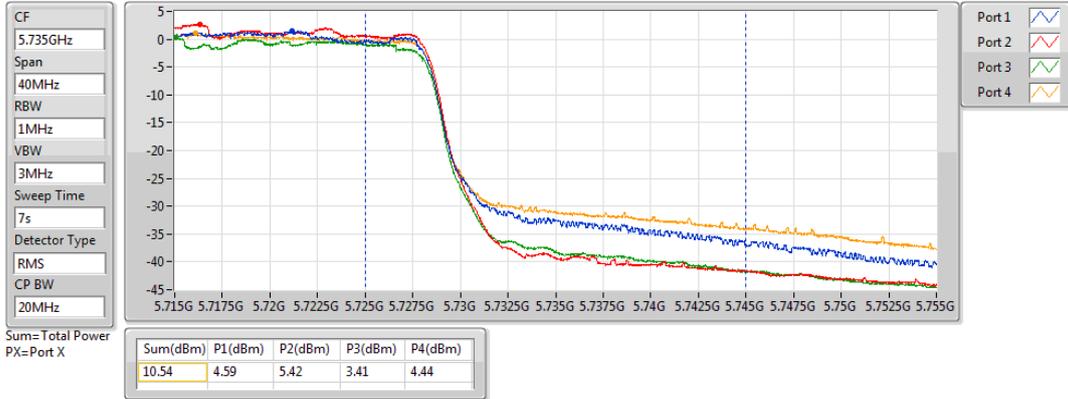
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

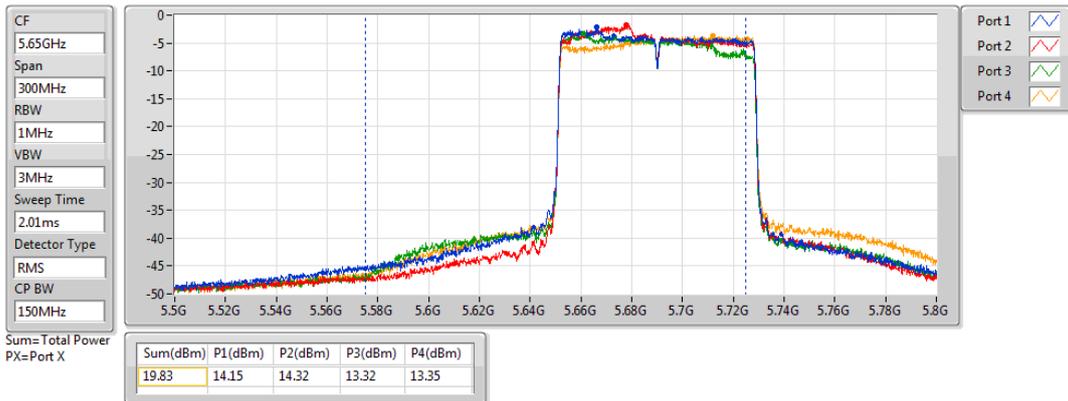
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

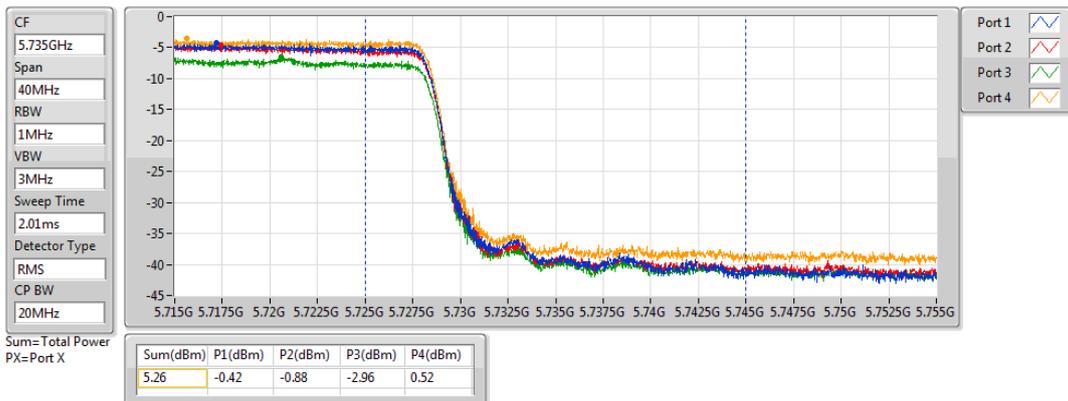
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz



3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

| Frequency Band (MHz) | | Limit |
|-------------------------------------|-------------|--------------|
| <input checked="" type="checkbox"/> | 5250 ~ 5350 | 11 dBm / MHz |
| <input checked="" type="checkbox"/> | 5470 ~ 5725 | 11 dBm / MHz |

3.4.2 Test Procedures

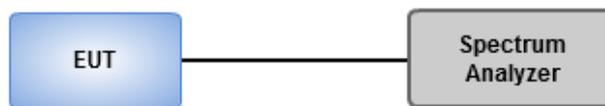
Duty cycle \geq 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle < 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time \geq 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Non-beamforming mode

Summary

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|-----------------------------------|-----------------|----------------------|
| 5.25-5.35GHz | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 8.35 | 16.61 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 8.41 | 16.67 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 8.34 | 16.60 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | -0.06 | 8.20 |
| 5.47-5.725GHz | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 8.21 | 16.60 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 8.30 | 16.69 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 8.47 | 16.86 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 3.34 | 11.73 |

RBW = 1MHz

Result

| Mode | Result | DG (dBi) | Port 1 (dBm/ RBW) | Port 2 (dBm/ RBW) | Port 3 (dBm/ RBW) | Port 4 (dBm/ RBW) | PD (dBm/ RBW) | PD Limit (dBm/ RBW) | EIRP PD (dBm/ RBW) | EIRP PD Limit (dBm/ RBW) |
|------------------------------------|--------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|------------------------------|-----------------------------|--------------------------------------|
| 802.11a_ Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 8.26 | 2.49 | 0.90 | 2.12 | 2.77 | 8.05 | 8.74 | 16.31 | 17.00 |
| 5300MHz | Pass | 8.26 | 2.80 | 1.17 | 2.27 | 2.80 | 8.26 | 8.74 | 16.52 | 17.00 |
| 5320MHz | Pass | 8.26 | 2.95 | 1.20 | 2.38 | 2.81 | 8.35 | 8.74 | 16.61 | 17.00 |
| 5500MHz | Pass | 8.39 | 0.90 | 0.71 | 1.16 | 1.81 | 7.16 | 8.61 | 15.55 | 17.00 |
| 5580MHz | Pass | 8.39 | 2.58 | 1.46 | 1.86 | 2.76 | 8.21 | 8.61 | 16.60 | 17.00 |
| 5700MHz | Pass | 8.39 | 0.01 | 0.30 | -0.21 | 0.09 | 6.01 | 8.61 | 14.40 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 1.98 | 2.22 | 1.71 | 2.38 | 8.08 | 8.61 | 16.47 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 8.57 | -1.24 | -0.81 | -1.64 | -0.77 | 4.92 | 27.43 | 13.49 | 36.00 |
| 802.11ac VHT20_ Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 8.26 | 2.36 | 1.19 | 2.00 | 2.93 | 8.15 | 8.74 | 16.41 | 17.00 |
| 5300MHz | Pass | 8.26 | 2.50 | 1.46 | 2.27 | 3.00 | 8.34 | 8.74 | 16.60 | 17.00 |
| 5320MHz | Pass | 8.26 | 2.62 | 1.61 | 2.42 | 2.98 | 8.41 | 8.74 | 16.67 | 17.00 |
| 5500MHz | Pass | 8.39 | 0.02 | 0.35 | 0.55 | 1.39 | 6.60 | 8.61 | 14.99 | 17.00 |
| 5580MHz | Pass | 8.39 | 2.44 | 1.72 | 1.95 | 2.98 | 8.30 | 8.61 | 16.69 | 17.00 |
| 5700MHz | Pass | 8.39 | -0.25 | 0.54 | -0.26 | 0.28 | 6.09 | 8.61 | 14.48 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 1.79 | 2.59 | 1.58 | 2.68 | 8.17 | 8.61 | 16.56 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 8.57 | -1.54 | -1.16 | -1.79 | -1.17 | 4.60 | 27.43 | 13.17 | 36.00 |
| 802.11ac VHT40_ Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 8.26 | 2.86 | 1.41 | 2.15 | 2.94 | 8.34 | 8.74 | 16.60 | 17.00 |
| 5310MHz | Pass | 8.26 | -1.86 | -3.46 | -2.12 | -2.04 | 3.65 | 8.74 | 11.91 | 17.00 |
| 5510MHz | Pass | 8.39 | -3.77 | -3.92 | -3.52 | -2.77 | 2.49 | 8.61 | 10.88 | 17.00 |
| 5590MHz | Pass | 8.39 | 3.10 | 2.19 | 1.96 | 2.73 | 8.47 | 8.61 | 16.86 | 17.00 |
| 5670MHz | Pass | 8.39 | -2.10 | -2.33 | -2.82 | -2.63 | 3.54 | 8.61 | 11.93 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 2.38 | 2.51 | 1.84 | 2.49 | 8.29 | 8.61 | 16.68 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 8.57 | -2.57 | -2.52 | -3.52 | -2.49 | 3.27 | 27.43 | 11.84 | 36.00 |
| 802.11ac VHT80_ | - | - | - | - | - | - | - | - | - | - |

| Mode | Result | DG (dBi) | Port 1 (dBm/ RBW) | Port 2 (dBm/ RBW) | Port 3 (dBm/ RBW) | Port 4 (dBm/ RBW) | PD (dBm/ RBW) | PD Limit (dBm/ RBW) | EIRP PD (dBm/ RBW) | EIRP PD Limit (dBm/ RBW) |
|-----------------------------------|--------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|------------------------------|-----------------------------|--------------------------------------|
| Nss1,(MCS0)_4TX | | | | | | | | | | |
| 5290MHz | Pass | 8.26 | -5.77 | -7.17 | -5.72 | -5.54 | -0.06 | 8.74 | 8.20 | 17.00 |
| 5530MHz | Pass | 8.39 | -5.75 | -6.40 | -5.98 | -5.46 | 0.00 | 8.61 | 8.39 | 17.00 |
| 5610MHz | Pass | 8.39 | -3.57 | -4.12 | -4.44 | -3.97 | 1.90 | 8.61 | 10.29 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 8.39 | -2.28 | -2.26 | -3.18 | -2.69 | 3.34 | 8.61 | 11.73 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 8.57 | -9.05 | -9.12 | -10.51 | -8.27 | -3.21 | 27.43 | 5.36 | 36.00 |

RBW = 1MHz

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

For 5250 ~ 5350 MHz

DG = Directional Gain = $10 \times \log((10^{-2.09/20} + 10^{-2.21/20} + 10^{-2.32/20} + 10^{-2.35/20})^4 / 4)$ = 8.26 dBi > 6 dBi

Limit shall be reduced to 11 dBm - (8.26 dBi - 6 dBi) = 8.74 dBm

For 5470 ~ 5725MHz

DG = Directional Gain = $10 \times \log((10^{-2.27/20} + 10^{-2.12/20} + 10^{-2.1/20} + 10^{-2.96/20})^4 / 4)$ = 8.39 dBi > 6 dBi

Limit shall be reduced to 11 dBm - (8.39 dBi - 6 dBi) = 8.61 dBm

For 5725 ~ 5850MHz

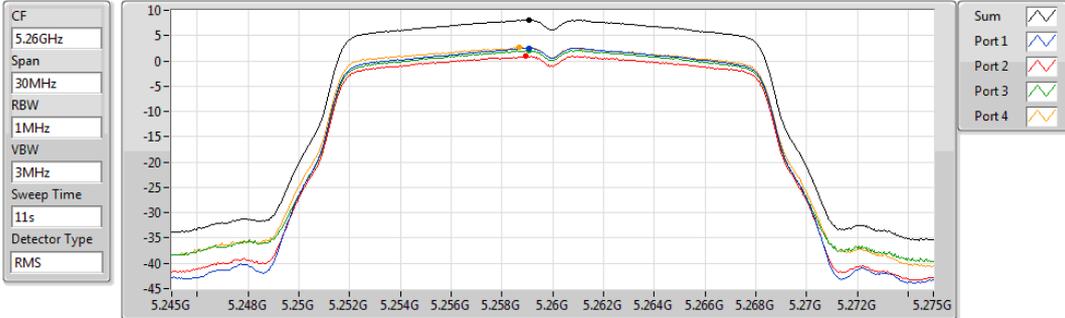
DG = Directional Gain = $10 \times \log((10^{-2.45/20} + 10^{-2.59/20} + 10^{-2.5/20} + 10^{-2.66/20})^4 / 4)$ = 8.57 dBi > 6 dBi

Limit shall be reduced to 30 dBm - (8.57 dBi - 6 dBi) = 27.43 dBm

802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

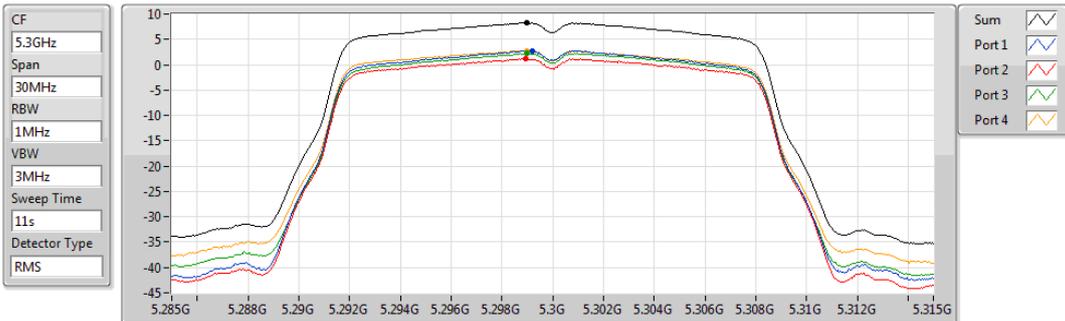


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.05 | 8.05 | 2.49 | 0.90 | 2.12 | 2.77 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

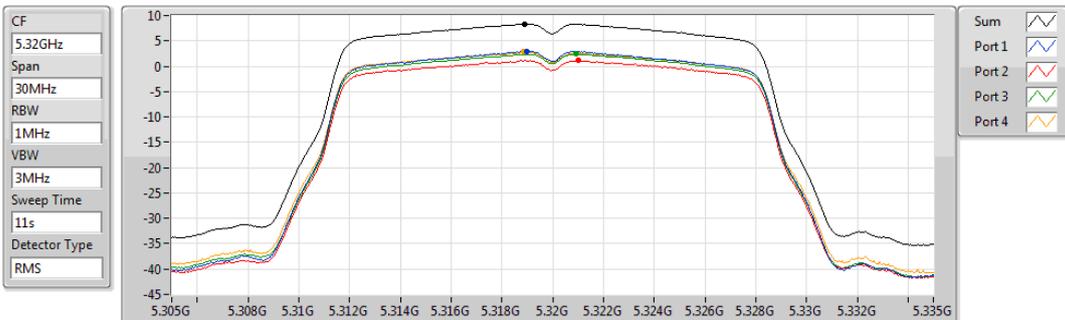


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.26 | 8.26 | 2.80 | 1.17 | 2.27 | 2.80 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

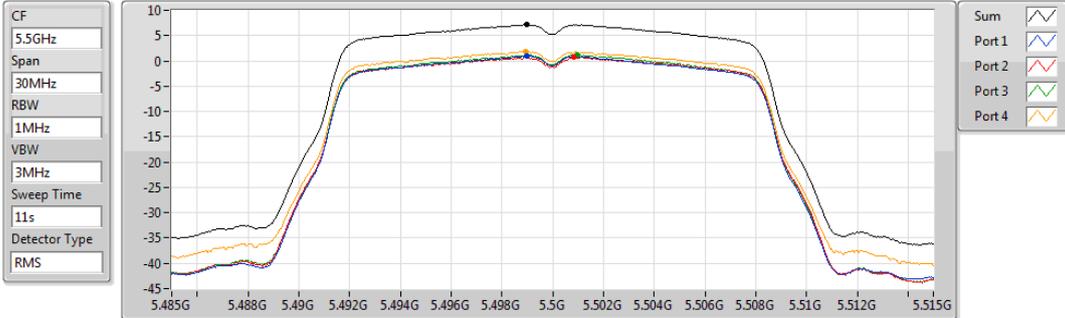


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.35 | 8.35 | 2.95 | 1.20 | 2.38 | 2.81 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

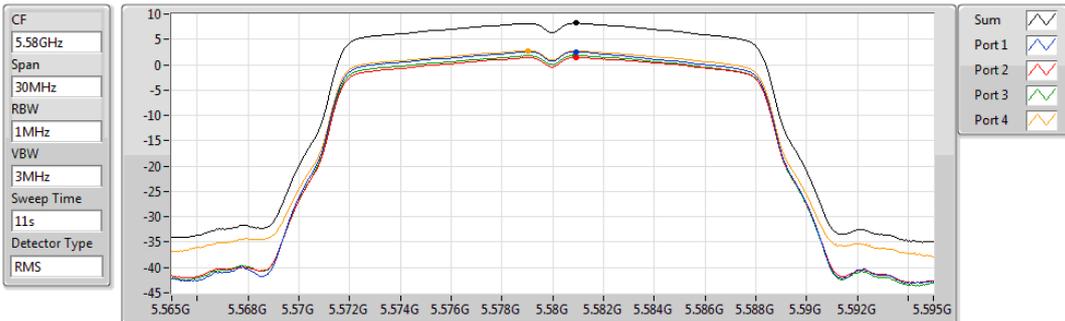


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.16 | 7.16 | 0.90 | 0.71 | 1.16 | 1.81 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

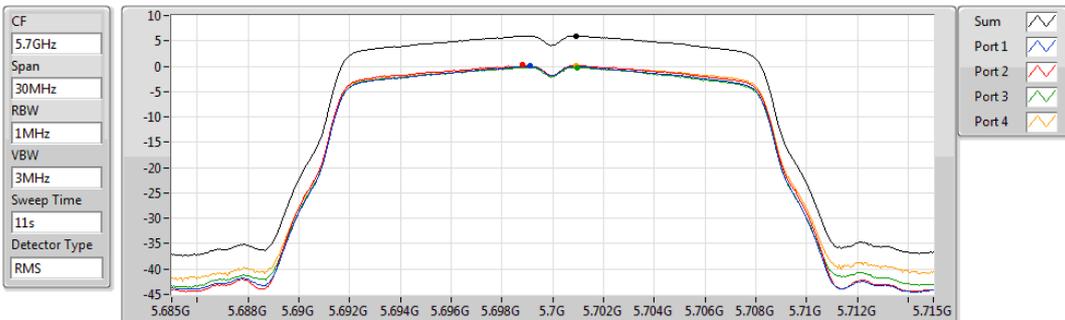


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.21 | 8.21 | 2.58 | 1.46 | 1.86 | 2.76 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

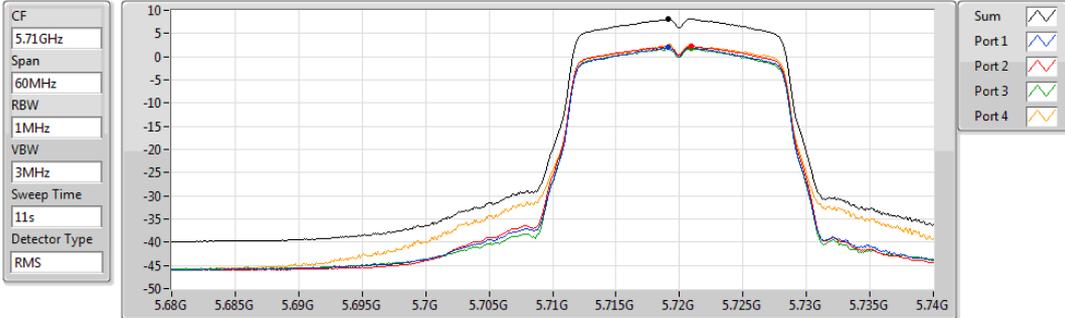


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.01 | 6.01 | 0.01 | 0.30 | -0.21 | 0.09 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

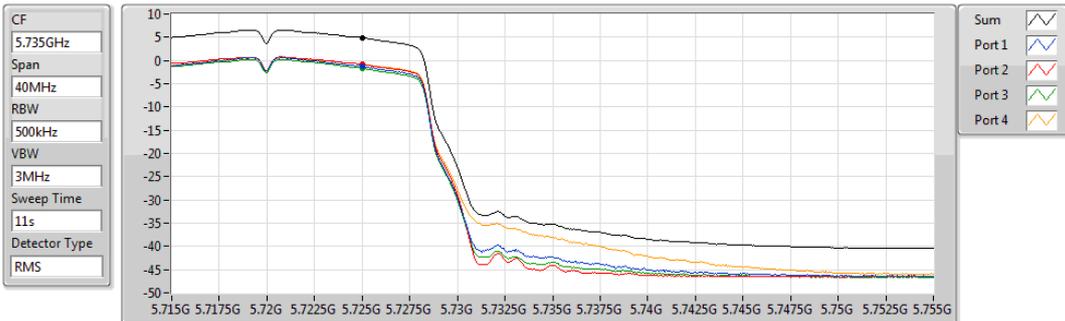


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.08 | 8.08 | 1.98 | 2.22 | 1.71 | 2.38 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

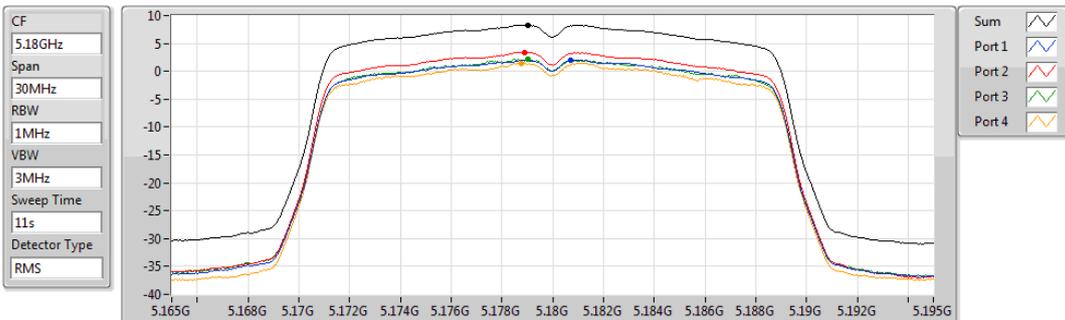


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.92 | 4.92 | -1.24 | -0.81 | -1.64 | -0.77 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

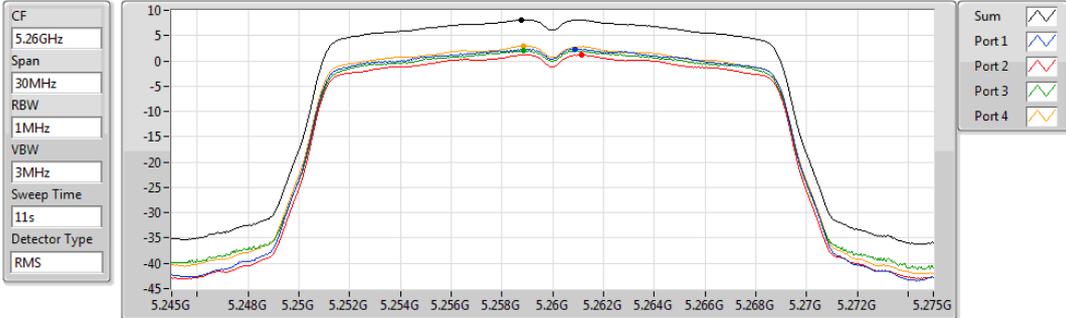


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.29 | 8.29 | 2.02 | 3.41 | 2.23 | 1.49 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5260MHz

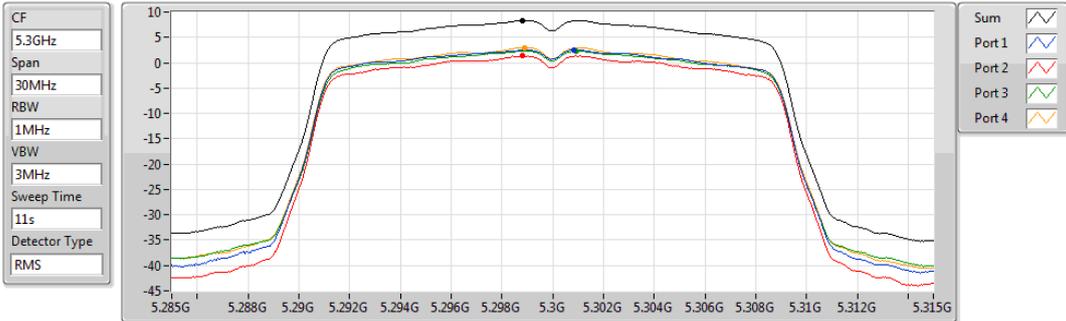


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.15 | 8.15 | 2.36 | 1.19 | 2.00 | 2.93 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

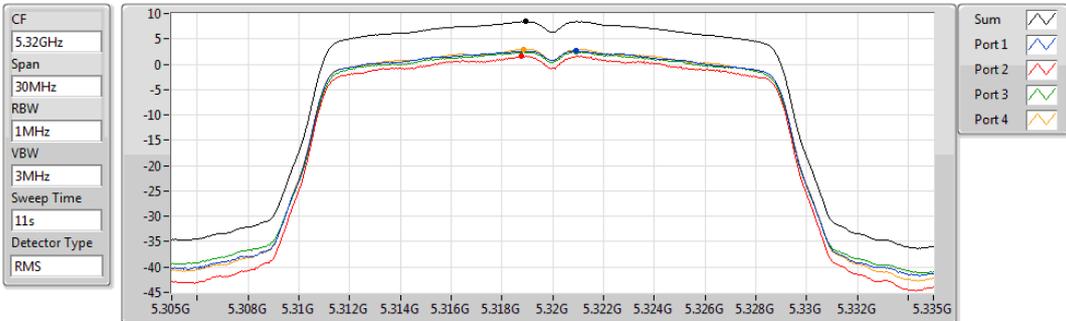


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.34 | 8.34 | 2.50 | 1.46 | 2.27 | 3.00 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

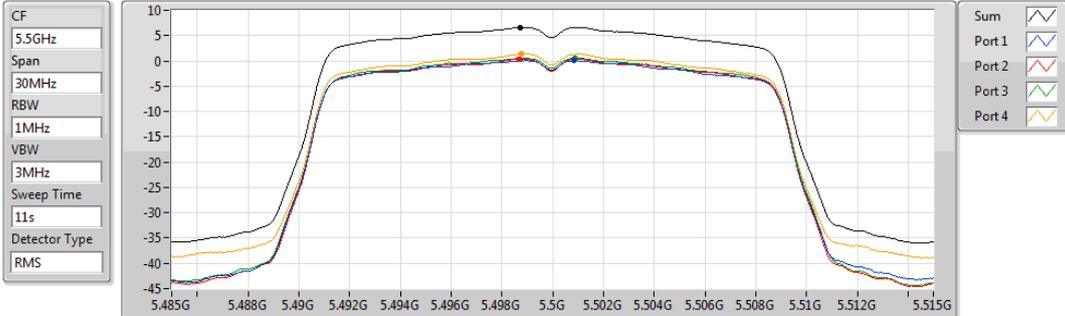


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.41 | 8.41 | 2.62 | 1.61 | 2.42 | 2.98 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

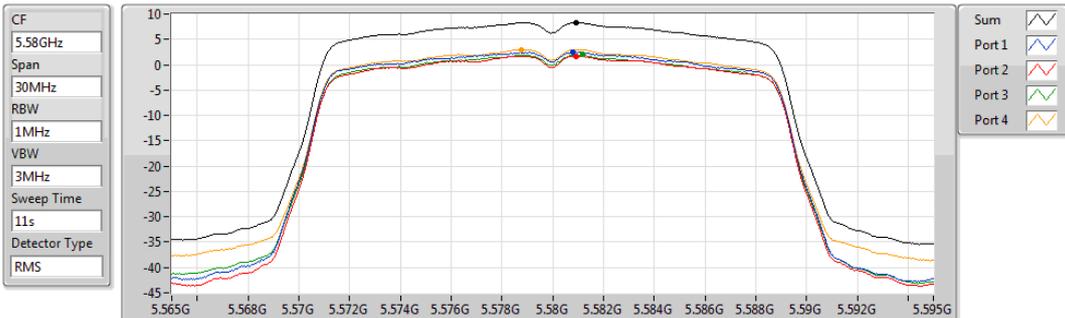


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 6.60 | 6.60 | 0.02 | 0.35 | 0.55 | 1.39 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

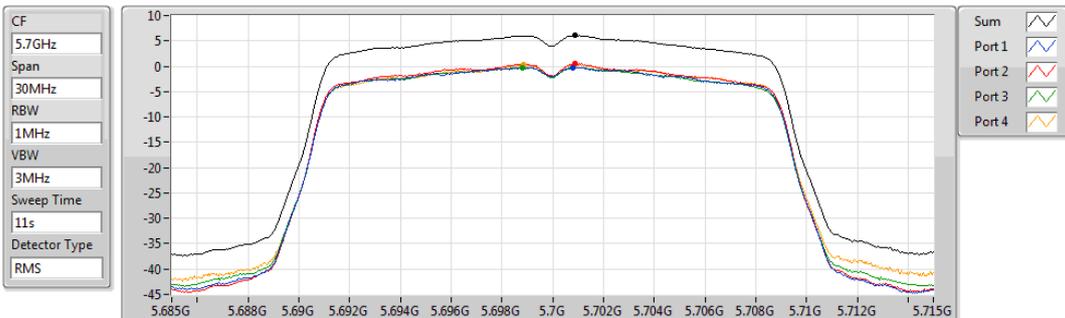


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 8.30 | 8.30 | 2.44 | 1.72 | 1.95 | 2.98 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5700MHz

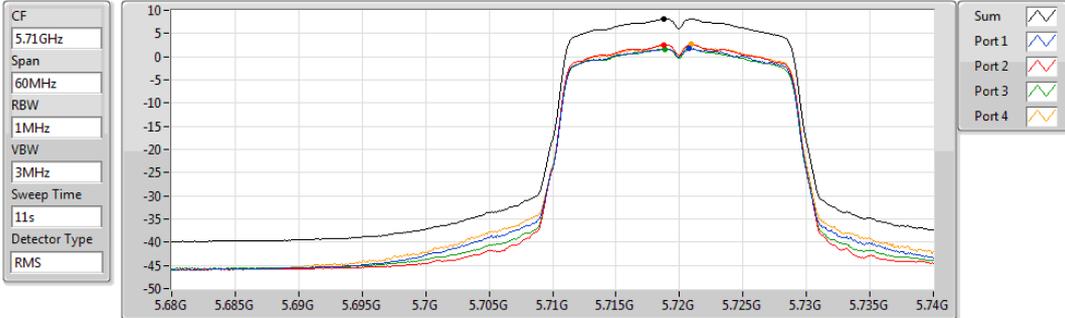


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 6.09 | 6.09 | -0.25 | 0.54 | -0.26 | 0.28 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

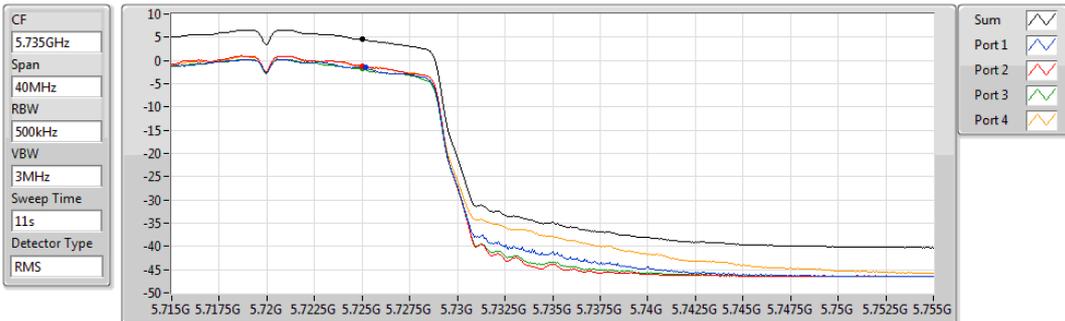


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.17 | 8.17 | 1.79 | 2.59 | 1.58 | 2.68 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

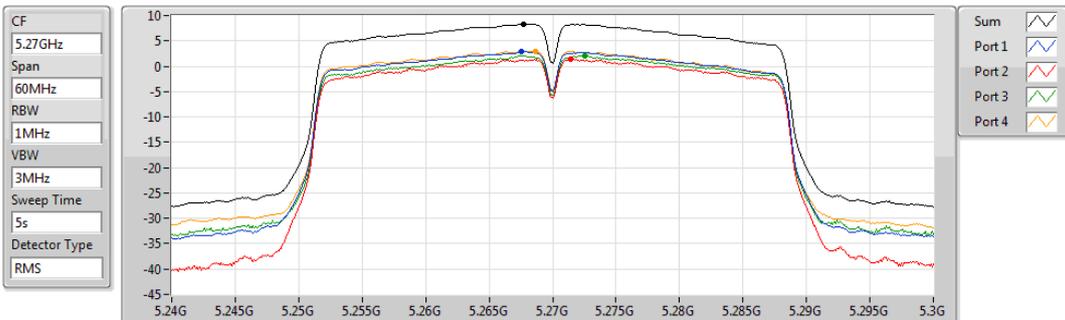


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.60 | 4.60 | -1.54 | -1.16 | -1.79 | -1.17 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5270MHz

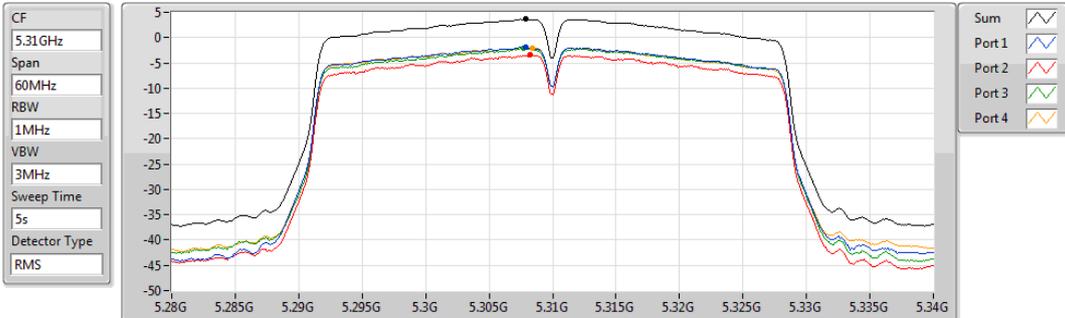


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.34 | 8.34 | 2.86 | 1.41 | 2.15 | 2.94 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5310MHz

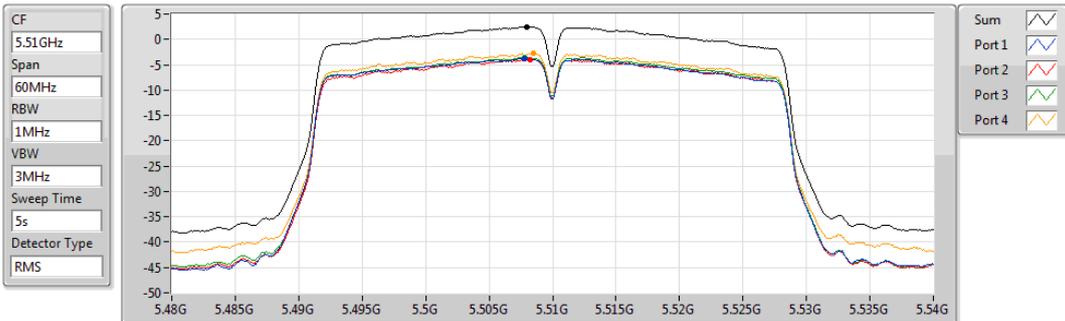


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.65 | 3.65 | -1.86 | -3.46 | -2.12 | -2.04 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

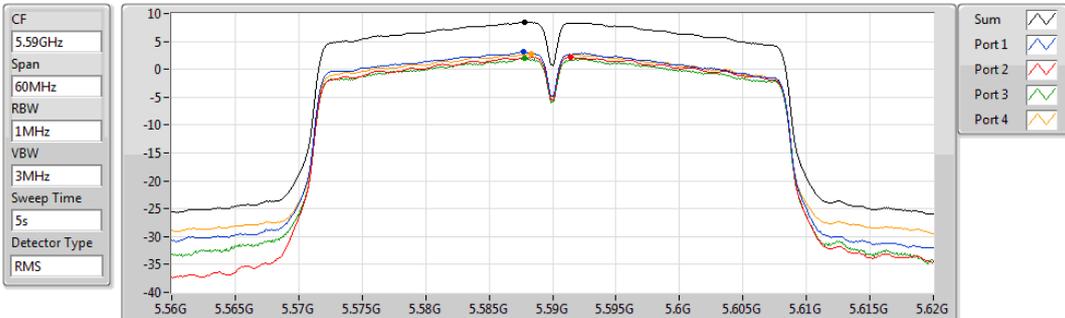


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.49 | 2.49 | -3.77 | -3.92 | -3.52 | -2.77 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5590MHz

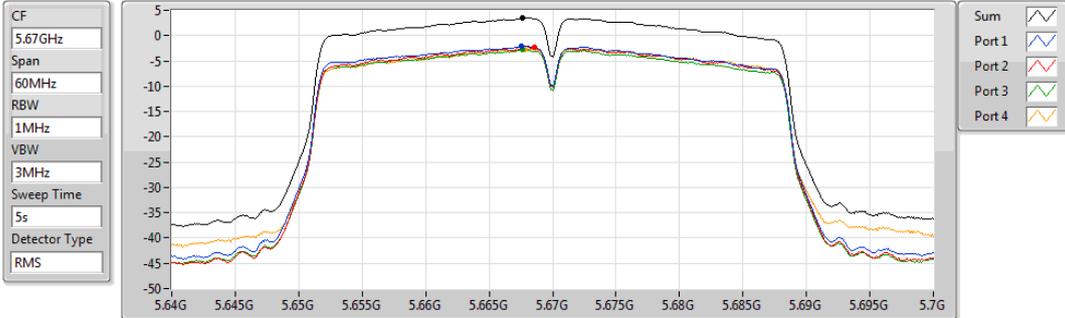


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.47 | 8.47 | 3.10 | 2.19 | 1.96 | 2.73 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

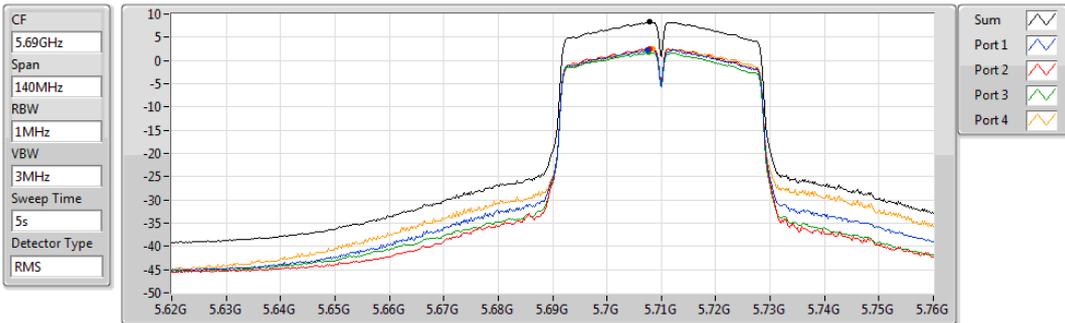


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.54 | 3.54 | -2.10 | -2.33 | -2.82 | -2.63 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

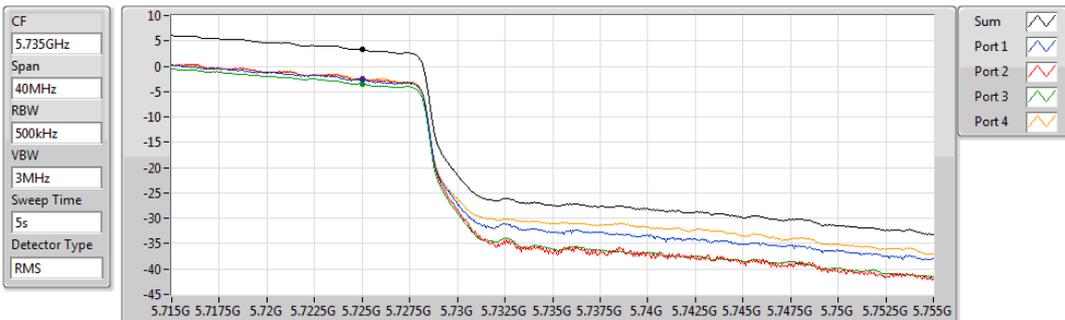


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.29 | 8.29 | 2.38 | 2.51 | 1.84 | 2.49 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

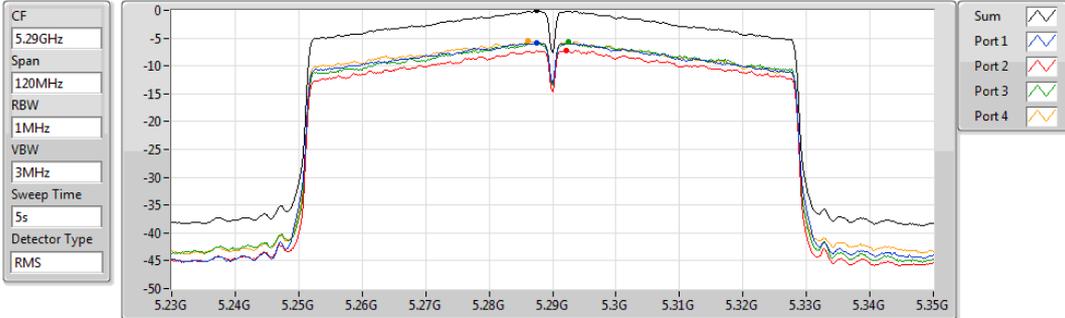


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.27 | 3.27 | -2.57 | -2.52 | -3.52 | -2.49 |

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5290MHz

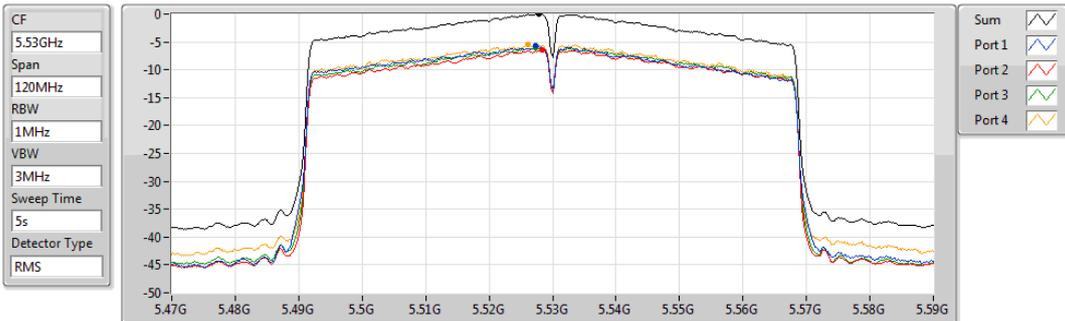


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.06 | -0.06 | -5.77 | -7.17 | -5.72 | -5.54 |

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

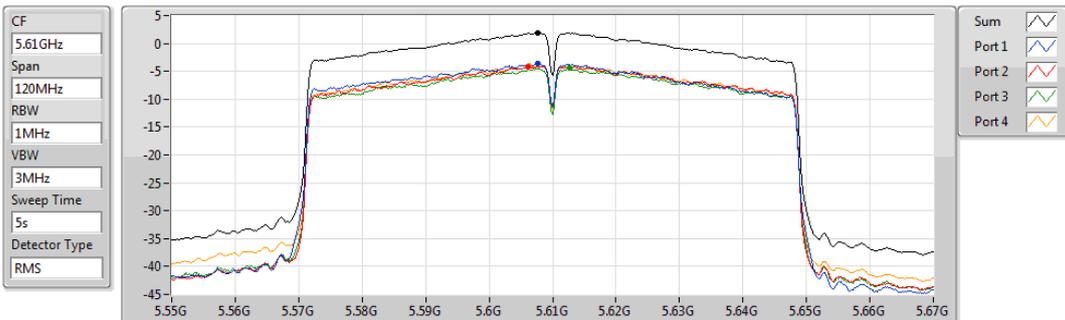


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.00 | 0.00 | -5.75 | -6.40 | -5.98 | -5.46 |

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

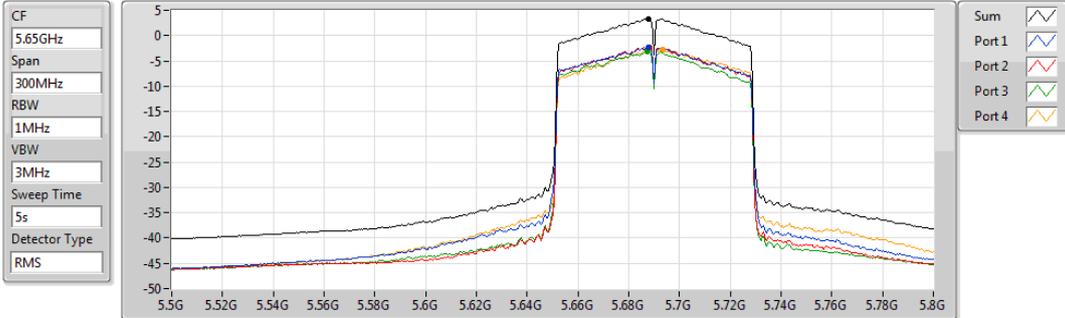


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.90 | 1.90 | -3.57 | -4.12 | -4.44 | -3.97 |

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

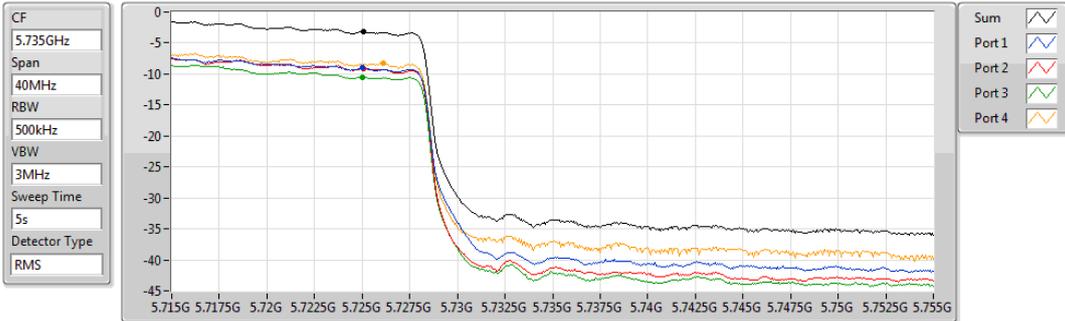


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.34 | 3.34 | -2.28 | -2.26 | -3.18 | -2.69 |

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.21 | -3.21 | -9.05 | -9.12 | -10.51 | -8.27 |

Beamforming mode

Summary

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|--------------------------------------|-----------------|----------------------|
| 5.25-5.35GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 8.46 | 16.72 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 6.42 | 14.68 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -1.84 | 6.42 |
| 5.47-5.725GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 8.44 | 16.83 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 6.63 | 15.02 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 1.36 | 9.75 |

RBW = 1MHz

Result

| Mode | Result | DG (dBi) | Port 1 (dBm/ RBW) | Port 2 (dBm/ RBW) | Port 3 (dBm/ RBW) | Port 4 (dBm/ RBW) | PD (dBm/ RBW) | PD Limit (dBm/ RBW) | EIRP PD (dBm/ RBW) | EIRP PD Limit (dBm/ RBW) |
|--|--------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|------------------------------|-----------------------------|--------------------------------------|
| 802.11ac VHT20-BF_Nss1,(MC S0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 8.26 | 3.04 | 1.25 | 2.30 | 3.64 | 8.44 | 8.74 | 16.70 | 17.00 |
| 5300MHz | Pass | 8.26 | 3.35 | 1.82 | 2.67 | 3.37 | 8.38 | 8.74 | 16.64 | 17.00 |
| 5320MHz | Pass | 8.26 | 2.74 | 2.34 | 3.26 | 3.35 | 8.46 | 8.74 | 16.72 | 17.00 |
| 5500MHz | Pass | 8.39 | 0.96 | 0.42 | 1.03 | 1.22 | 6.53 | 8.61 | 14.92 | 17.00 |
| 5580MHz | Pass | 8.39 | 2.79 | 3.05 | 2.44 | 3.20 | 8.44 | 8.61 | 16.83 | 17.00 |
| 5700MHz | Pass | 8.39 | -0.13 | 0.07 | -0.88 | 0.00 | 4.90 | 8.61 | 13.29 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 2.91 | 2.92 | 2.49 | 3.80 | 8.43 | 8.61 | 16.82 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 8.57 | 0.49 | 1.52 | 0.12 | 2.30 | 6.71 | 27.43 | 15.28 | 36.00 |
| 802.11ac VHT40-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 8.26 | 1.39 | -0.22 | 0.57 | 1.37 | 6.42 | 8.74 | 14.68 | 17.00 |
| 5310MHz | Pass | 8.26 | -1.99 | -3.79 | -2.91 | -3.01 | 2.78 | 8.74 | 11.04 | 17.00 |
| 5510MHz | Pass | 8.39 | -3.84 | -2.29 | -2.56 | -2.30 | 2.69 | 8.61 | 11.08 | 17.00 |
| 5590MHz | Pass | 8.39 | 1.47 | 1.18 | 1.22 | 0.36 | 6.63 | 8.61 | 15.02 | 17.00 |
| 5670MHz | Pass | 8.39 | -1.65 | -2.63 | -2.02 | -1.80 | 3.34 | 8.61 | 11.73 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 8.39 | 0.17 | 0.67 | 1.25 | 1.19 | 6.39 | 8.61 | 14.78 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 8.57 | -2.48 | -3.06 | -3.34 | -0.62 | 3.73 | 27.43 | 12.30 | 36.00 |
| 802.11ac VHT80-BF _Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 8.26 | -7.03 | -8.48 | -6.09 | -7.00 | -1.84 | 8.74 | 6.42 | 17.00 |
| 5530MHz | Pass | 8.39 | -6.20 | -7.58 | -7.06 | -6.31 | -1.57 | 8.61 | 6.82 | 17.00 |
| 5610MHz | Pass | 8.39 | -3.81 | -4.79 | -4.82 | -5.22 | 0.94 | 8.61 | 9.33 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 8.39 | -2.89 | -4.35 | -4.57 | -4.34 | 1.36 | 8.61 | 9.75 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 8.57 | -7.42 | -6.87 | -8.20 | -5.48 | -1.40 | 27.43 | 7.17 | 36.00 |

RBW = 1MHz

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

For 5250 ~ 5350 MHz

DG = Directional Gain = $10 \times \log((10^{2.09/20} + 10^{2.21/20} + 10^{2.32/20} + 10^{2.35/20})^4/4) = 8.26 \text{ dBi} > 6 \text{ dBi}$

Limit shall be reduced to 11 dBm – (8.26 dBi – 6 dBi) = 8.74 dBm

For 5470 ~ 5725 MHz

DG = Directional Gain = $10 \times \log((10^{2.27/20} + 10^{2.12/20} + 10^{2.1/20} + 10^{2.96/20})^4/4) = 8.39 \text{ dBi} > 6 \text{ dBi}$

Limit shall be reduced to 11 dBm – (8.39 dBi – 6 dBi) = 8.61 dBm

For 5725 ~ 5850 MHz

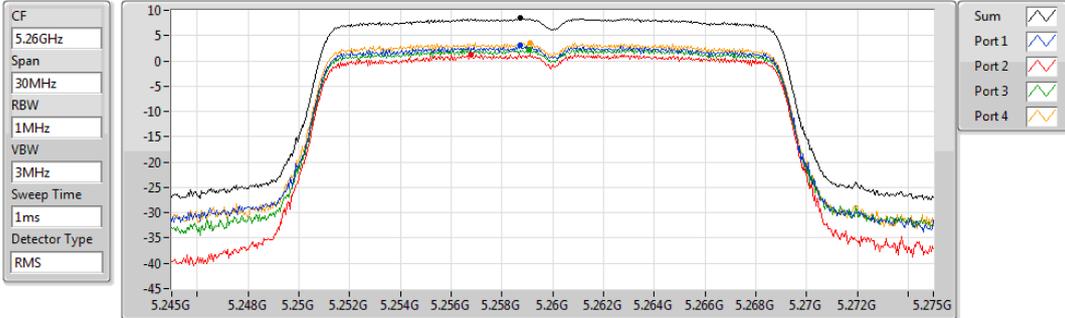
DG = Directional Gain = $10 \times \log((10^{2.45/20} + 10^{2.59/20} + 10^{2.5/20} + 10^{2.66/20})^4/4) = 8.57 \text{ dBi} > 6 \text{ dBi}$

Limit shall be reduced to 30 dBm – (8.57 dBi – 6 dBi) = 27.43 dBm

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

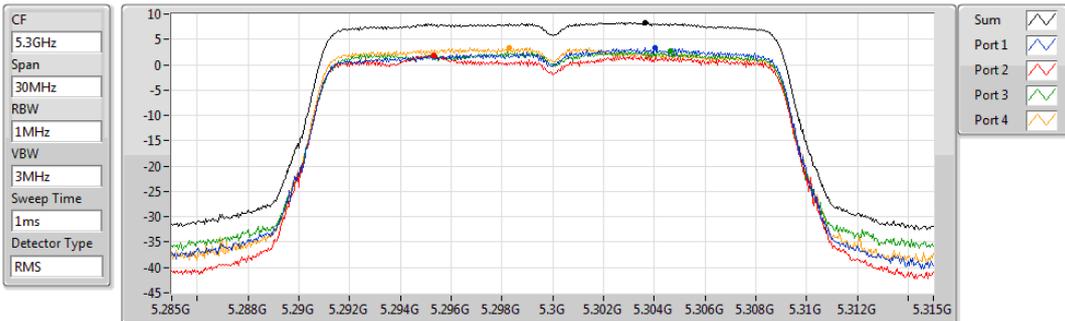


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.44 | 8.44 | 3.04 | 1.25 | 2.30 | 3.64 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

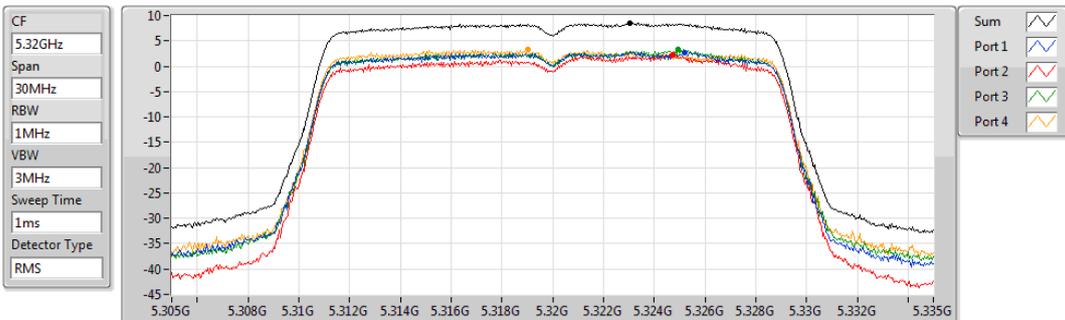


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.38 | 8.38 | 3.35 | 1.82 | 2.67 | 3.37 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

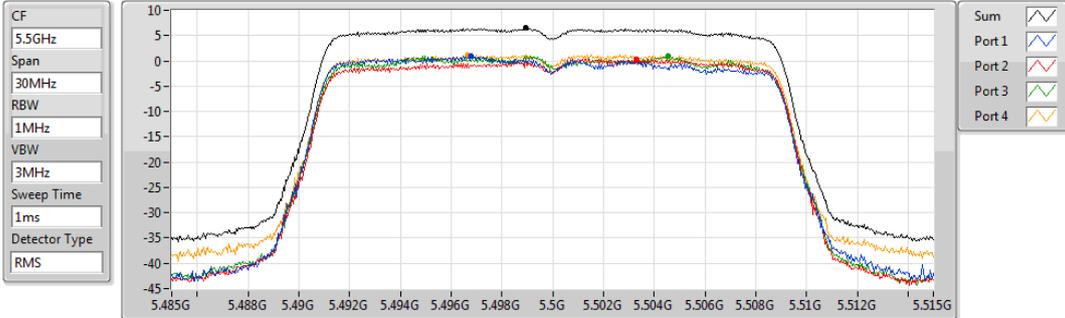


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.46 | 8.46 | 2.74 | 2.34 | 3.26 | 3.35 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

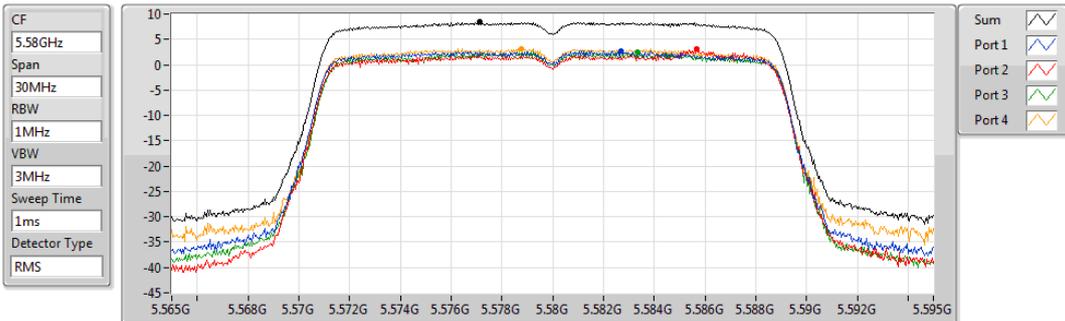


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.53 | 6.53 | 0.96 | 0.42 | 1.03 | 1.22 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

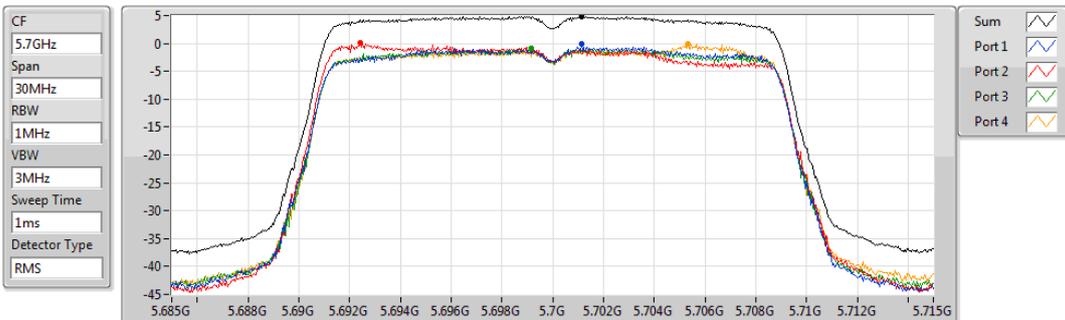


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.44 | 8.44 | 2.79 | 3.05 | 2.44 | 3.20 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

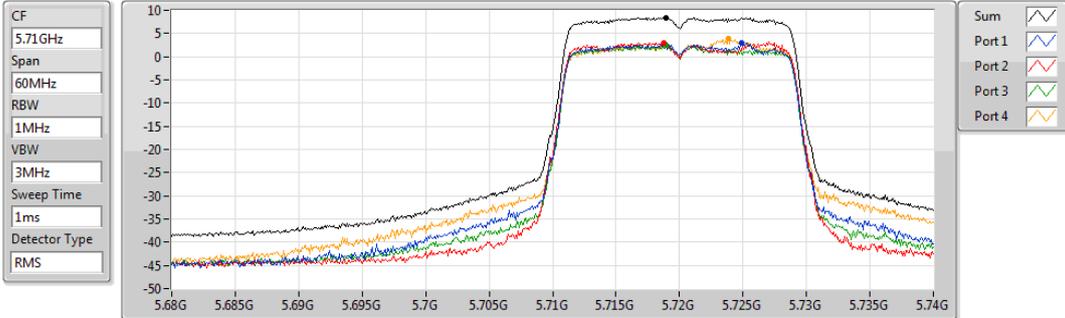


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.90 | 4.90 | -0.13 | 0.07 | -0.88 | 0.00 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

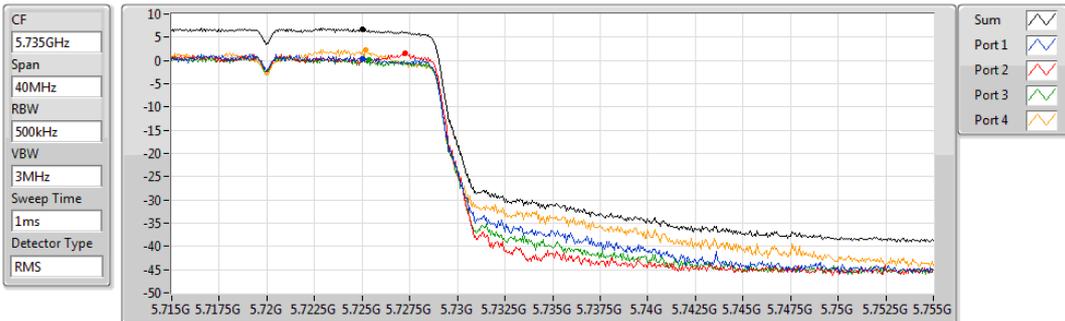


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.43 | 8.43 | 2.91 | 2.92 | 2.49 | 3.80 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

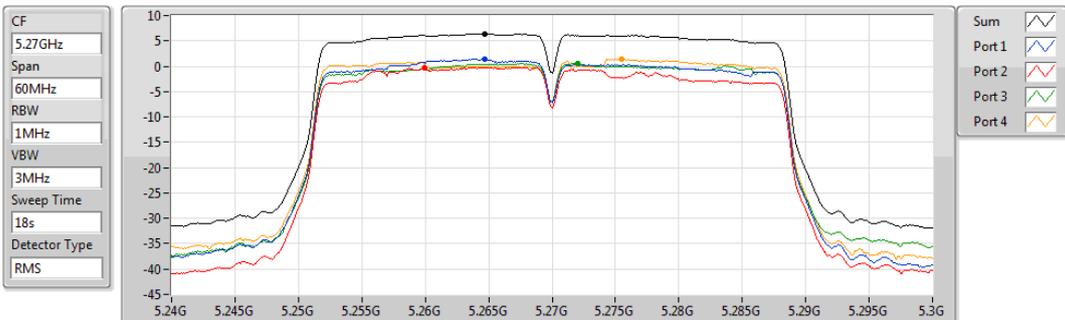


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.71 | 6.71 | 0.49 | 1.52 | 0.12 | 2.30 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

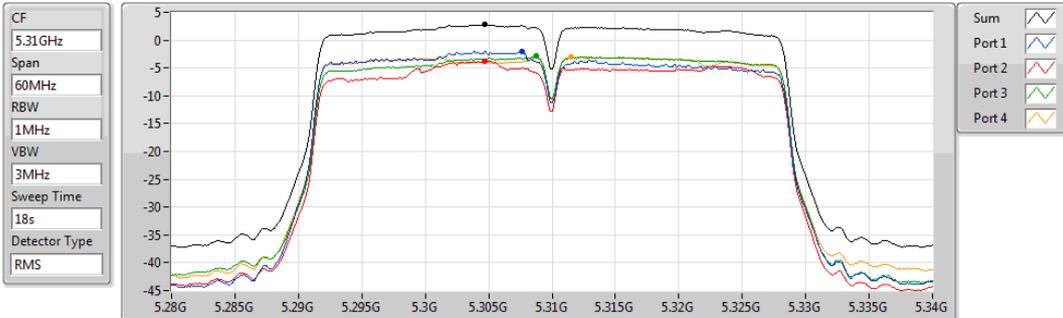


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.42 | 6.42 | 1.39 | -0.22 | 0.57 | 1.37 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

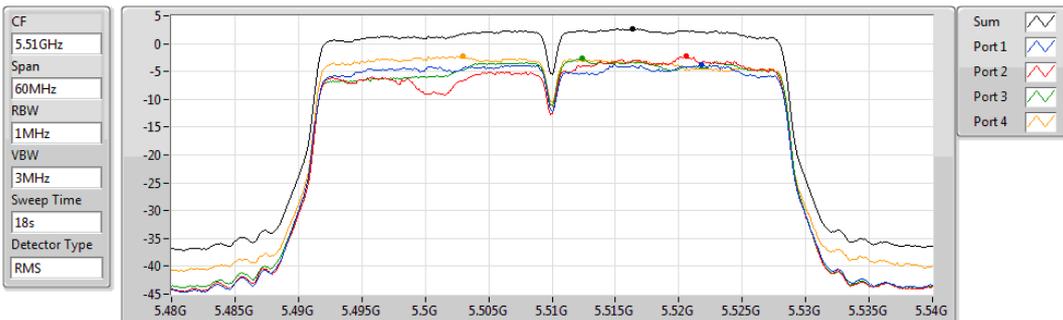


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.78 | 2.78 | -1.99 | -3.79 | -2.91 | -3.01 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

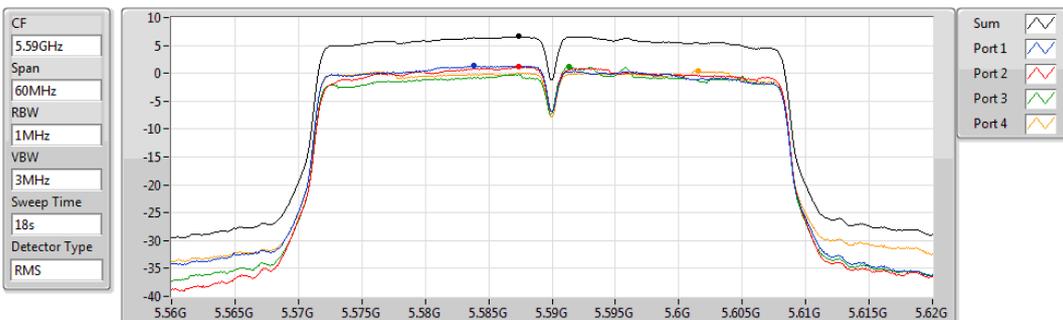


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.69 | 2.69 | -3.84 | -2.29 | -2.56 | -2.30 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5590MHz

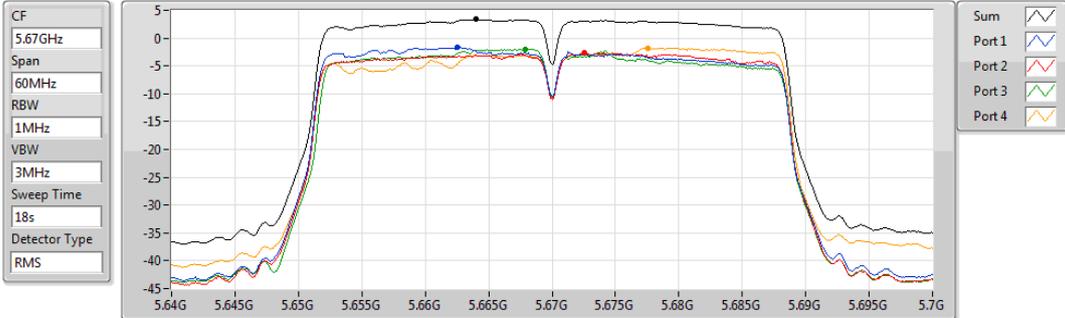


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.63 | 6.63 | 1.47 | 1.18 | 1.22 | 0.36 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

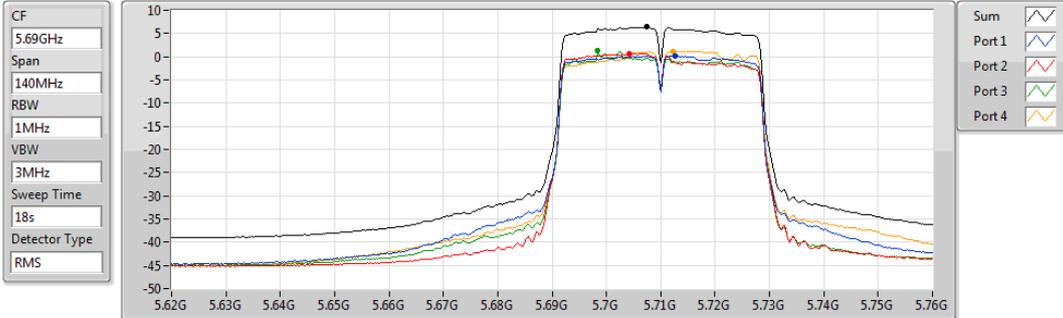


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.34 | 3.34 | -1.65 | -2.63 | -2.02 | -1.80 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

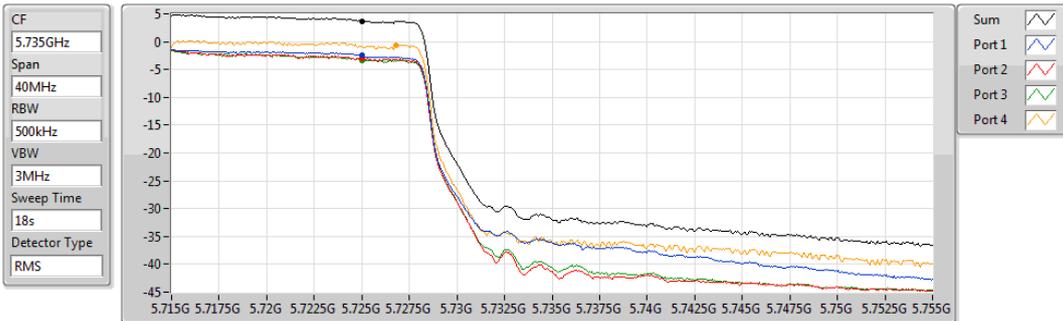


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 6.39 | 6.39 | 0.17 | 0.67 | 1.25 | 1.19 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

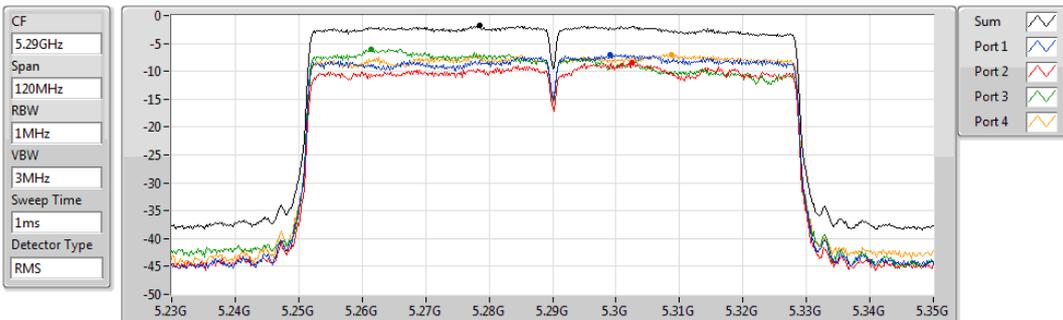


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 3.73 | 3.73 | -2.48 | -3.06 | -3.34 | -0.62 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

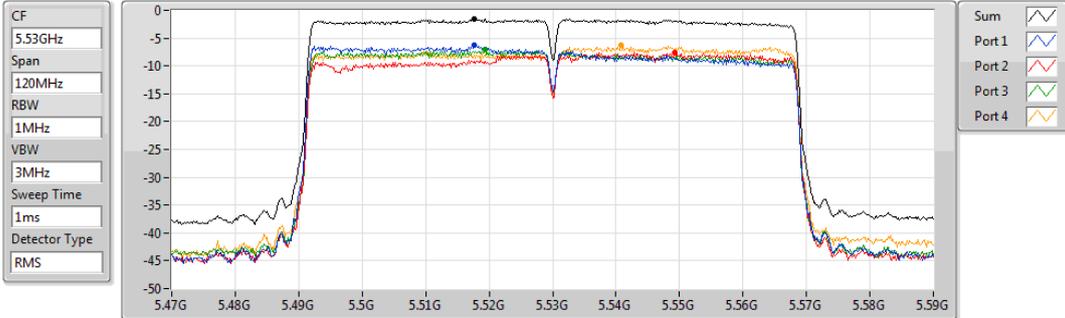


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -1.84 | -1.84 | -7.03 | -8.48 | -6.09 | -7.00 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

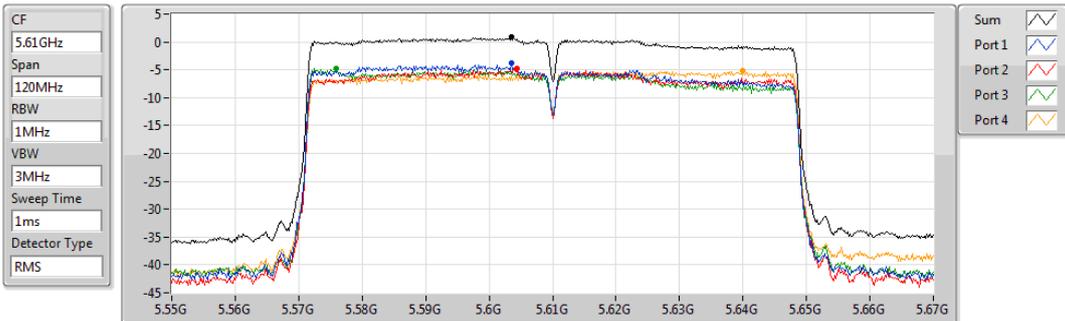


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.57 | -1.57 | -6.20 | -7.58 | -7.06 | -6.31 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

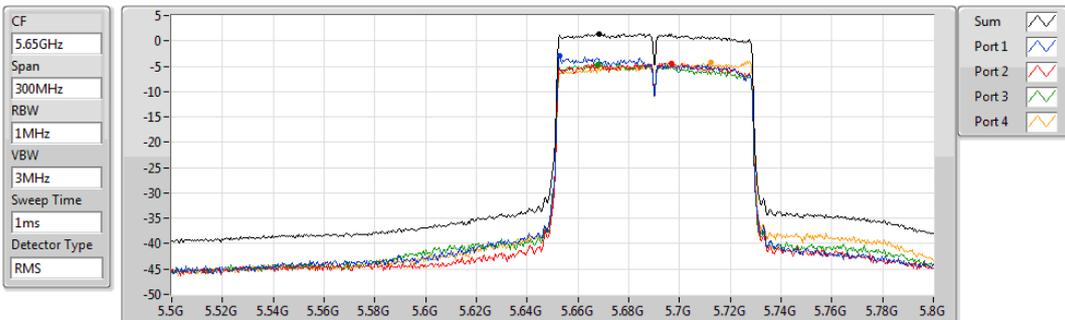


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.94 | 0.94 | -3.81 | -4.79 | -4.82 | -5.22 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

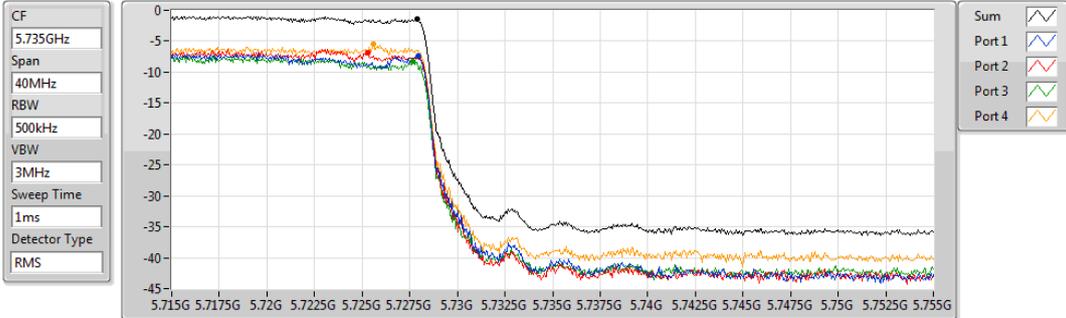


| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.36 | 1.36 | -2.89 | -4.35 | -4.57 | -4.34 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.40 | -1.40 | -7.42 | -6.87 | -8.20 | -5.48 |

3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 Limit of Transmitter Radiated and Band Edge Emissions

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

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

| Un-restricted band emissions above 1GHz Limit | |
|---|-----------------------------------|
| Operating Band | Limit |
| 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] |

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 Test Procedures

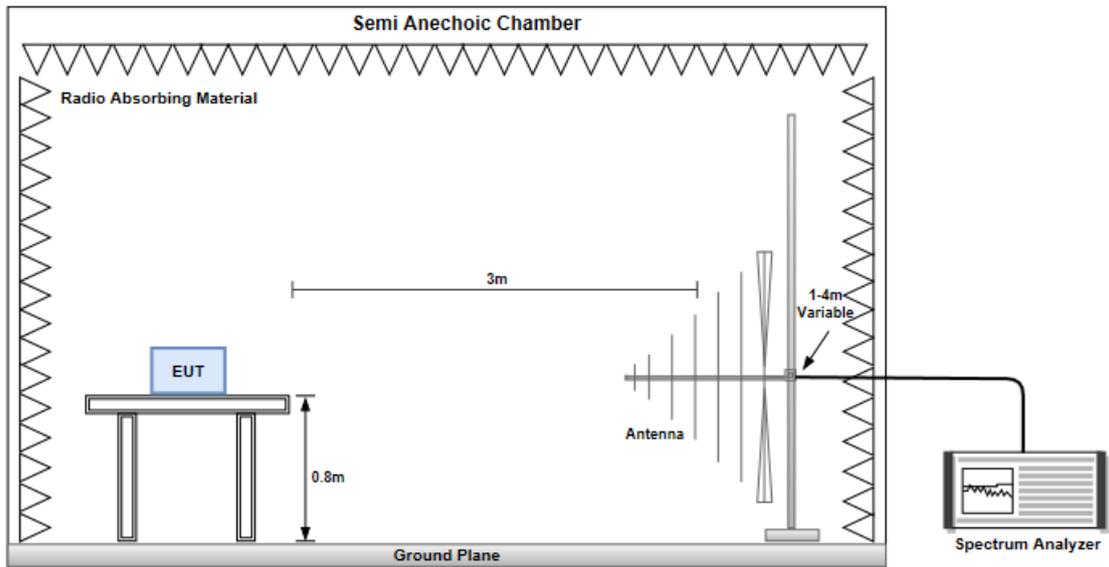
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

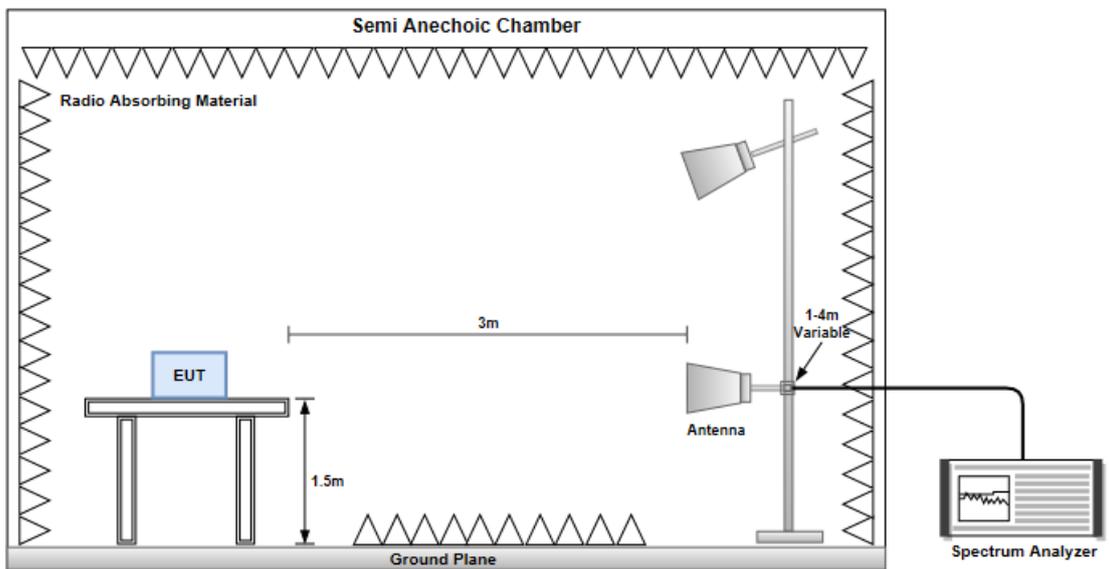
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.5.3 Test Setup

Radiated Emissions below 1 GHz



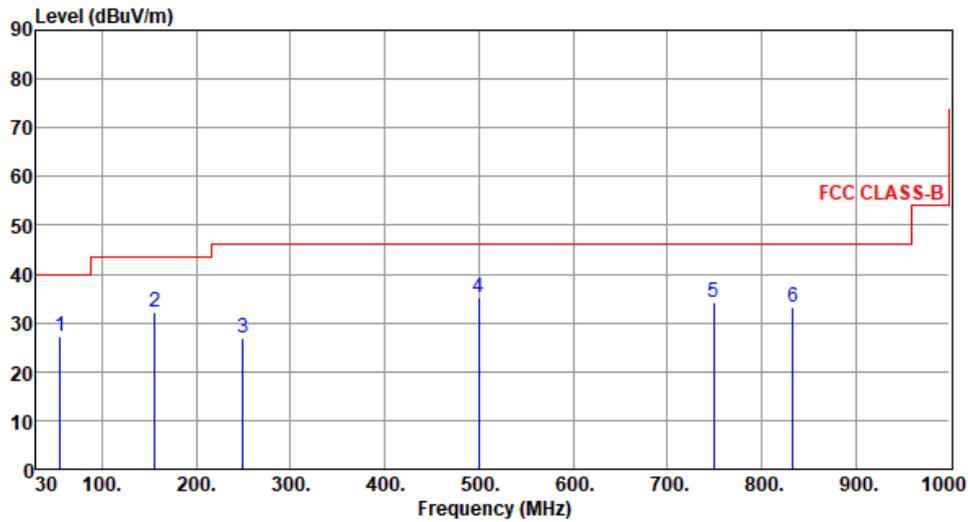
Radiated Emissions above 1 GHz



Non- beamforming mode

3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

| | | | |
|--------------|------------|--------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Horizontal | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 55.20 | 27.16 | 40.00 | -12.84 | 36.07 | -8.91 | Peak | --- | --- |
| 2 | 156.29 | 32.25 | 43.50 | -11.25 | 40.81 | -8.56 | Peak | --- | --- |
| 3 | 249.33 | 26.87 | 46.00 | -19.13 | 36.83 | -9.96 | Peak | --- | --- |
| 4 | 499.48 | 35.26 | 46.00 | -10.74 | 38.31 | -3.05 | Peak | --- | --- |
| 5 | 749.68 | 34.19 | 46.00 | -11.81 | 31.73 | 2.46 | Peak | --- | --- |
| 6 | 833.18 | 33.25 | 46.00 | -12.75 | 29.94 | 3.31 | Peak | --- | --- |

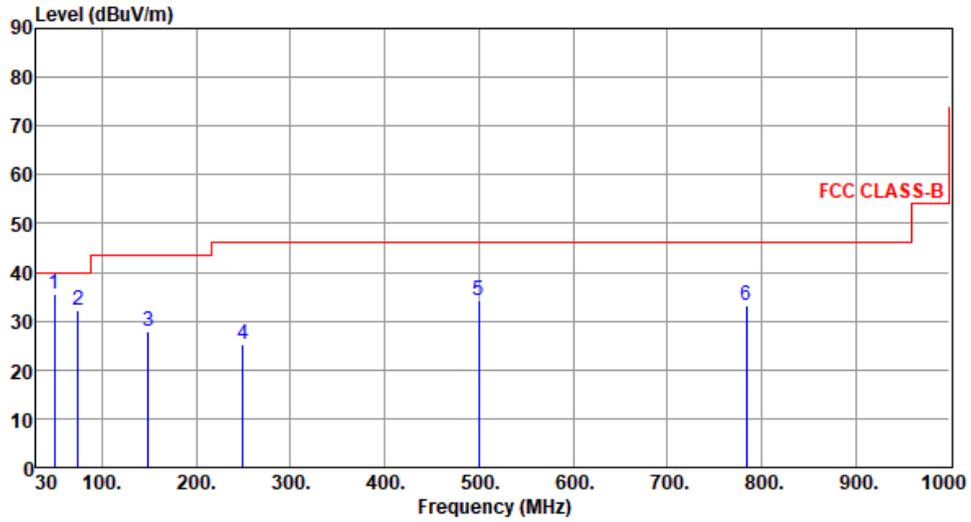
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 49.38 | 35.54 | 40.00 | -4.46 | 44.12 | -8.58 | Peak | --- | --- |
| 2 | 74.59 | 32.28 | 40.00 | -7.72 | 44.16 | -11.88 | Peak | --- | --- |
| 3 | 149.24 | 27.85 | 43.50 | -15.65 | 36.60 | -8.75 | Peak | --- | --- |
| 4 | 249.31 | 25.18 | 46.00 | -20.82 | 35.14 | -9.96 | Peak | --- | --- |
| 5 | 499.48 | 34.18 | 46.00 | -11.82 | 37.23 | -3.05 | Peak | --- | --- |
| 6 | 783.84 | 33.27 | 46.00 | -12.73 | 30.55 | 2.72 | Peak | --- | --- |

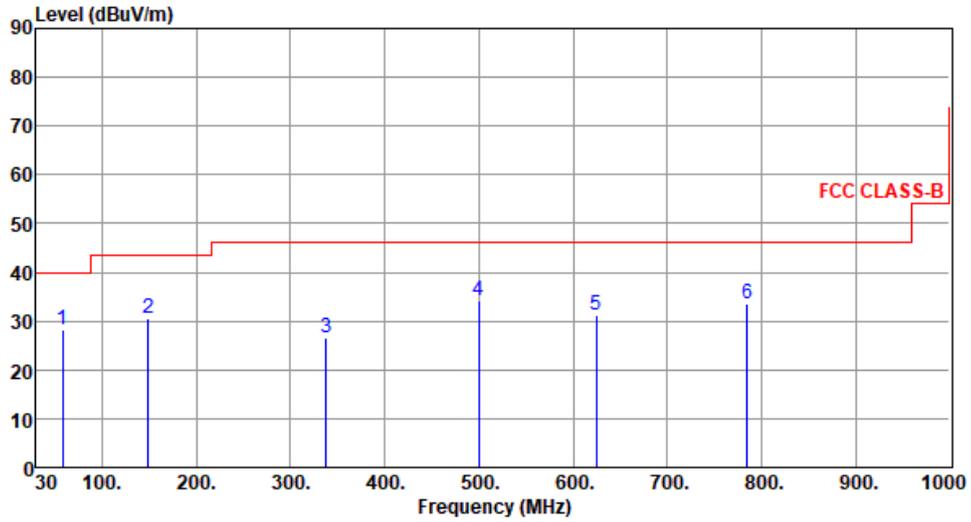
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Horizontal | Test Configuration | 2 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 58.22 | 28.31 | 40.00 | -11.69 | 37.45 | -9.14 | Peak | --- | --- |
| 2 | 149.22 | 30.65 | 43.50 | -12.85 | 39.40 | -8.75 | Peak | --- | --- |
| 3 | 337.51 | 26.45 | 46.00 | -19.55 | 33.57 | -7.12 | Peak | --- | --- |
| 4 | 499.55 | 34.27 | 46.00 | -11.73 | 37.32 | -3.05 | Peak | --- | --- |
| 5 | 624.61 | 31.29 | 46.00 | -14.71 | 31.43 | -0.14 | Peak | --- | --- |
| 6 | 784.59 | 33.57 | 46.00 | -12.43 | 30.86 | 2.71 | Peak | --- | --- |

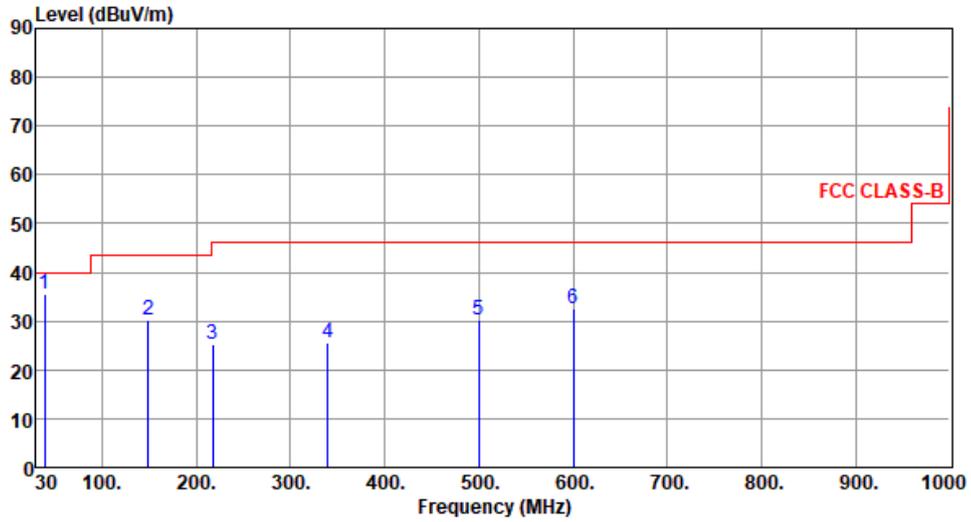
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Vertical | Test Configuration | 2 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 38.65 | 35.48 | 40.00 | -4.52 | 44.81 | -9.33 | Peak | --- | --- |
| 2 | 149.26 | 30.15 | 43.50 | -13.35 | 38.90 | -8.75 | Peak | --- | --- |
| 3 | 217.19 | 25.26 | 46.00 | -20.74 | 37.40 | -12.14 | Peak | --- | --- |
| 4 | 339.34 | 25.64 | 46.00 | -20.36 | 32.74 | -7.10 | Peak | --- | --- |
| 5 | 499.48 | 30.16 | 46.00 | -15.84 | 33.21 | -3.05 | Peak | --- | --- |
| 6 | 600.48 | 32.65 | 46.00 | -13.35 | 33.23 | -0.58 | Peak | --- | --- |

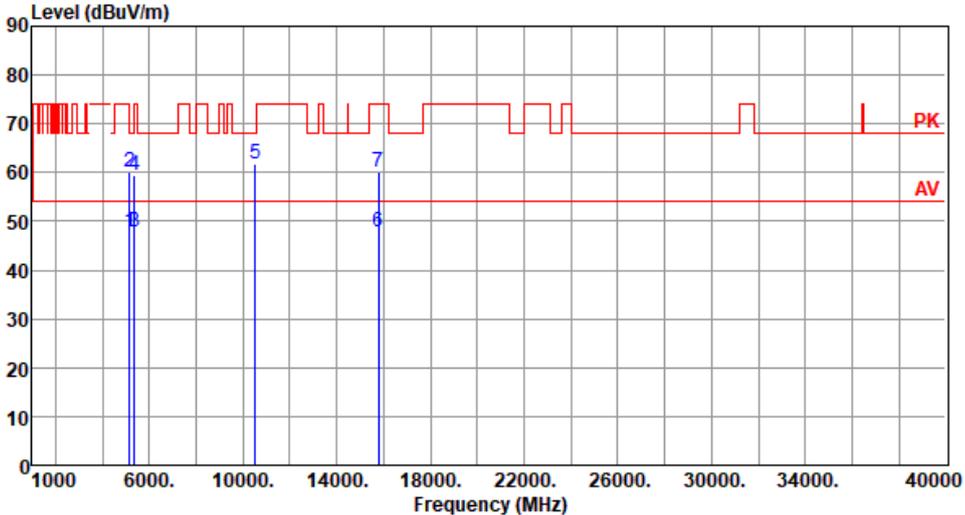
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

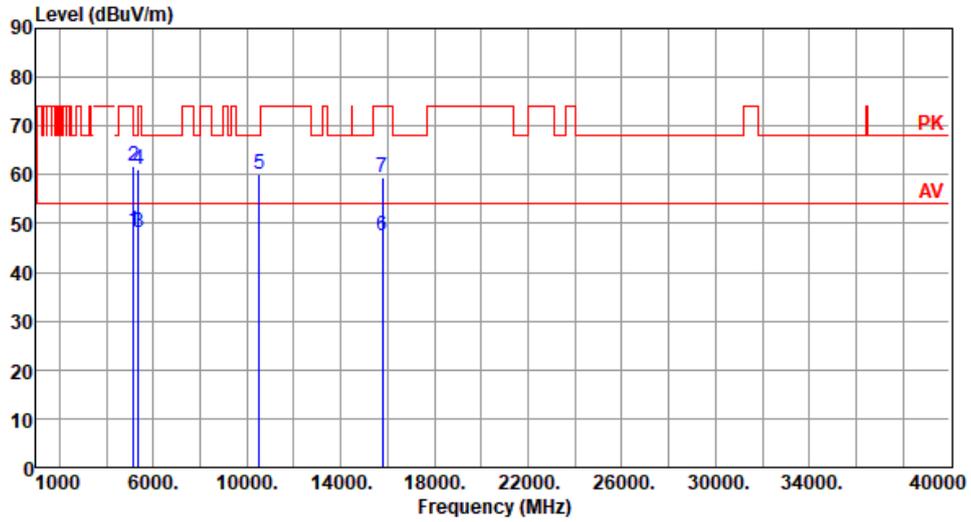
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

| Modulation | 11a | Test Freq. (MHz) | 5260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------|----------------|------------|--------|------------|----------|------------|----------|------------|-----|--------|--------|----|------|----|--|----|-----|---|---------|-------|-------|-------|-------|------|---------|-----|----|---|---------|-------|-------|--------|-------|------|------|-----|----|---|---------|-------|-------|-------|-------|------|---------|-----|----|---|---------|-------|-------|--------|-------|------|------|-----|----|---|----------|-------|-------|-------|-------|-------|------|-----|-----|---|----------|-------|-------|-------|-------|-------|---------|-----|----|---|----------|-------|-------|--------|-------|-------|------|-----|----|--|--|--|
| Polarization | Horizontal | Test Configuration | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission level</th> <th>Limit</th> <th>Margin</th> <th>SA reading</th> <th>Factor</th> <th>Remark</th> <th>ANT High</th> <th>Turn Table</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th></th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5150.00</td> <td>47.90</td> <td>54.00</td> <td>-6.10</td> <td>40.58</td> <td>7.32</td> <td>Average</td> <td>207</td> <td>52</td> </tr> <tr> <td>2</td> <td>5150.00</td> <td>60.00</td> <td>74.00</td> <td>-14.00</td> <td>52.68</td> <td>7.32</td> <td>Peak</td> <td>207</td> <td>52</td> </tr> <tr> <td>3</td> <td>5350.00</td> <td>47.73</td> <td>54.00</td> <td>-6.27</td> <td>40.88</td> <td>6.85</td> <td>Average</td> <td>207</td> <td>52</td> </tr> <tr> <td>4</td> <td>5350.00</td> <td>59.55</td> <td>74.00</td> <td>-14.45</td> <td>52.70</td> <td>6.85</td> <td>Peak</td> <td>207</td> <td>52</td> </tr> <tr> <td>5</td> <td>10520.00</td> <td>61.92</td> <td>68.20</td> <td>-6.28</td> <td>45.50</td> <td>16.42</td> <td>Peak</td> <td>231</td> <td>135</td> </tr> <tr> <td>6</td> <td>15780.00</td> <td>47.95</td> <td>54.00</td> <td>-6.05</td> <td>31.39</td> <td>16.56</td> <td>Average</td> <td>100</td> <td>74</td> </tr> <tr> <td>7</td> <td>15780.00</td> <td>60.12</td> <td>74.00</td> <td>-13.88</td> <td>43.56</td> <td>16.56</td> <td>Peak</td> <td>100</td> <td>74</td> </tr> </tbody> </table> | Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | 1 | 5150.00 | 47.90 | 54.00 | -6.10 | 40.58 | 7.32 | Average | 207 | 52 | 2 | 5150.00 | 60.00 | 74.00 | -14.00 | 52.68 | 7.32 | Peak | 207 | 52 | 3 | 5350.00 | 47.73 | 54.00 | -6.27 | 40.88 | 6.85 | Average | 207 | 52 | 4 | 5350.00 | 59.55 | 74.00 | -14.45 | 52.70 | 6.85 | Peak | 207 | 52 | 5 | 10520.00 | 61.92 | 68.20 | -6.28 | 45.50 | 16.42 | Peak | 231 | 135 | 6 | 15780.00 | 47.95 | 54.00 | -6.05 | 31.39 | 16.56 | Average | 100 | 74 | 7 | 15780.00 | 60.12 | 74.00 | -13.88 | 43.56 | 16.56 | Peak | 100 | 74 | | | |
| Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 5150.00 | 47.90 | 54.00 | -6.10 | 40.58 | 7.32 | Average | 207 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 5150.00 | 60.00 | 74.00 | -14.00 | 52.68 | 7.32 | Peak | 207 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 5350.00 | 47.73 | 54.00 | -6.27 | 40.88 | 6.85 | Average | 207 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 5350.00 | 59.55 | 74.00 | -14.45 | 52.70 | 6.85 | Peak | 207 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 10520.00 | 61.92 | 68.20 | -6.28 | 45.50 | 16.42 | Peak | 231 | 135 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 15780.00 | 47.95 | 54.00 | -6.05 | 31.39 | 16.56 | Average | 100 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 15780.00 | 60.12 | 74.00 | -13.88 | 43.56 | 16.56 | Peak | 100 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5260 |
| Polarization | Vertical | Test Configuration | 1 |



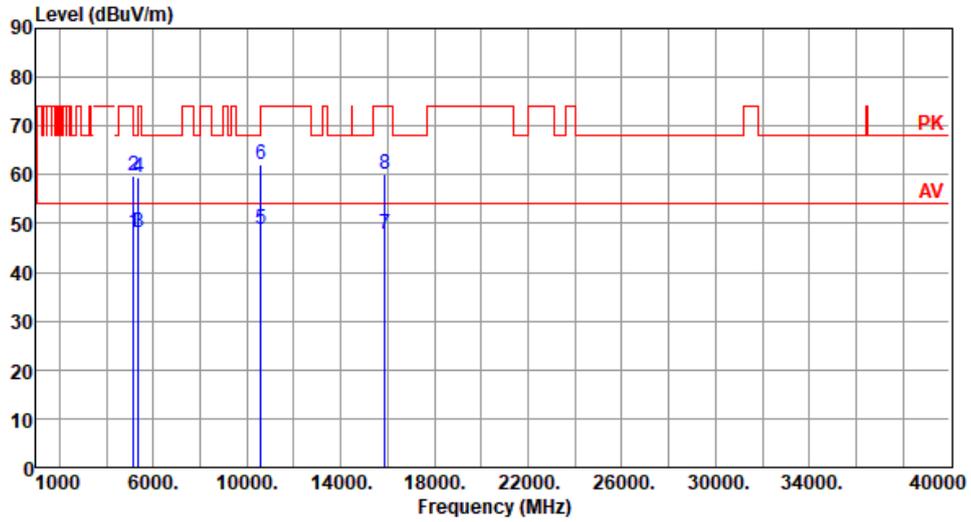
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 48.36 | 54.00 | -5.64 | 41.04 | 7.32 | Average | 209 | 110 |
| 2 | 5150.00 | 61.73 | 74.00 | -12.27 | 54.41 | 7.32 | Peak | 209 | 110 |
| 3 | 5350.00 | 48.11 | 54.00 | -5.89 | 41.26 | 6.85 | Average | 209 | 110 |
| 4 | 5350.00 | 61.24 | 74.00 | -12.76 | 54.39 | 6.85 | Peak | 209 | 110 |
| 5 | 10520.00 | 60.00 | 68.20 | -8.20 | 43.58 | 16.42 | Peak | 100 | 32 |
| 6 | 15780.00 | 47.58 | 54.00 | -6.42 | 31.02 | 16.56 | Average | 100 | 35 |
| 7 | 15780.00 | 59.45 | 74.00 | -14.55 | 42.89 | 16.56 | Peak | 100 | 35 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5300 |
| Polarization | Horizontal | Test Configuration | 1 |



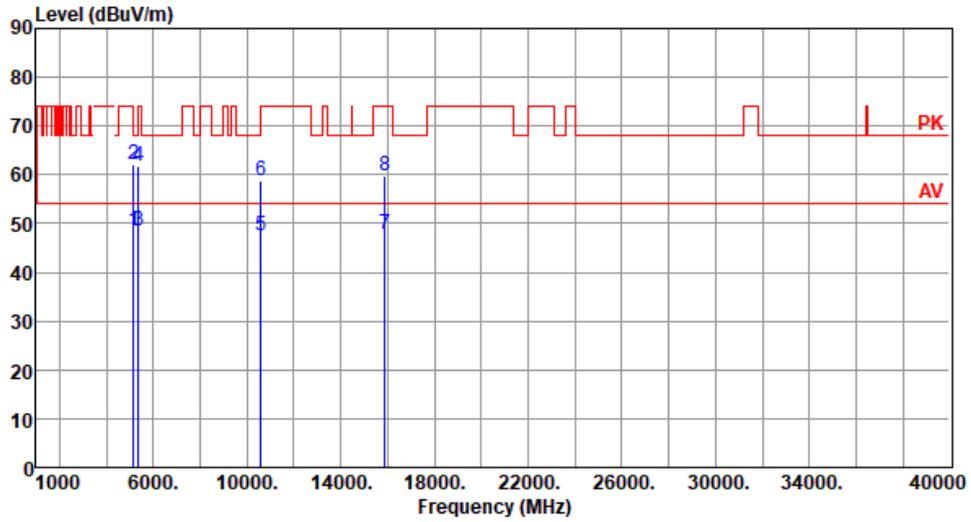
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 48.18 | 54.00 | -5.82 | 40.86 | 7.32 | Average | 207 | 50 |
| 2 | 5150.00 | 59.90 | 74.00 | -14.10 | 52.58 | 7.32 | Peak | 207 | 50 |
| 3 | 5350.00 | 47.99 | 54.00 | -6.01 | 41.14 | 6.85 | Average | 207 | 50 |
| 4 | 5350.00 | 59.59 | 74.00 | -14.41 | 52.74 | 6.85 | Peak | 207 | 50 |
| 5 | 10600.00 | 48.85 | 54.00 | -5.15 | 32.49 | 16.36 | Average | 232 | 136 |
| 6 | 10600.00 | 61.95 | 74.00 | -12.05 | 45.59 | 16.36 | Peak | 232 | 136 |
| 7 | 15900.00 | 47.91 | 54.00 | -6.09 | 31.22 | 16.69 | Average | 100 | 70 |
| 8 | 15900.00 | 60.04 | 74.00 | -13.96 | 43.35 | 16.69 | Peak | 100 | 70 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5300 |
| Polarization | Vertical | Test Configuration | 1 |



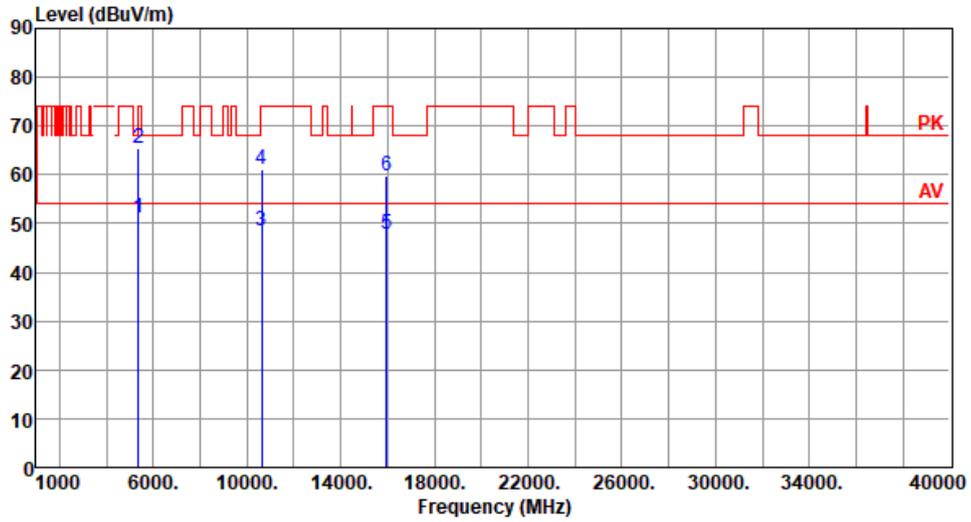
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 48.56 | 54.00 | -5.44 | 41.24 | 7.32 | Average | 205 | 101 |
| 2 | 5150.00 | 62.16 | 74.00 | -11.84 | 54.84 | 7.32 | Peak | 205 | 101 |
| 3 | 5350.00 | 48.41 | 54.00 | -5.59 | 41.56 | 6.85 | Average | 205 | 101 |
| 4 | 5350.00 | 61.84 | 74.00 | -12.16 | 54.99 | 6.85 | Peak | 205 | 101 |
| 5 | 10600.00 | 47.59 | 54.00 | -6.41 | 31.23 | 16.36 | Average | 100 | 40 |
| 6 | 10600.00 | 58.71 | 74.00 | -15.29 | 42.35 | 16.36 | Peak | 100 | 40 |
| 7 | 15900.00 | 47.86 | 54.00 | -6.14 | 31.17 | 16.69 | Average | 100 | 25 |
| 8 | 15900.00 | 59.81 | 74.00 | -14.19 | 43.12 | 16.69 | Peak | 100 | 25 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5320 |
| Polarization | Horizontal | Test Configuration | 1 |



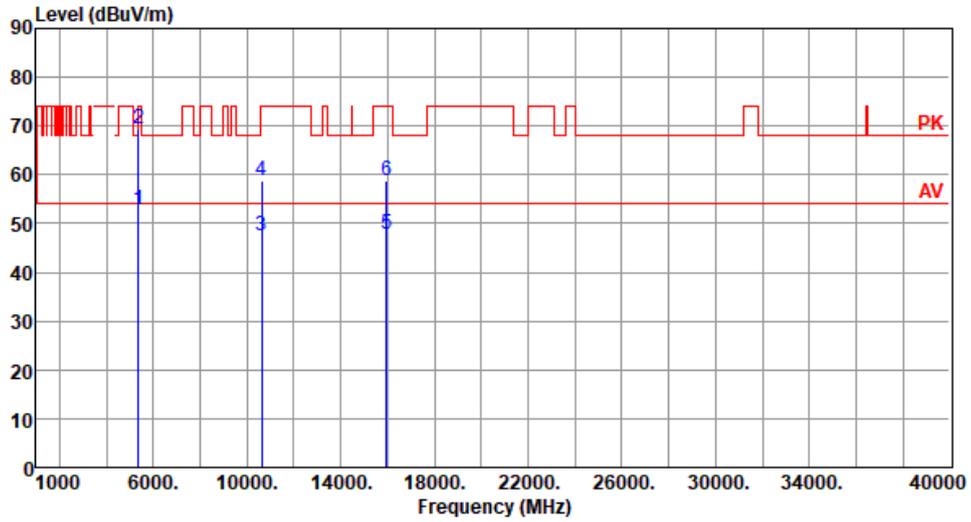
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 51.10 | 54.00 | -2.90 | 44.25 | 6.85 | Average | 209 | 51 |
| 2 | 5350.00 | 65.36 | 74.00 | -8.64 | 58.51 | 6.85 | Peak | 209 | 51 |
| 3 | 10640.00 | 48.62 | 54.00 | -5.38 | 32.25 | 16.37 | Average | 233 | 134 |
| 4 | 10640.00 | 61.26 | 74.00 | -12.74 | 44.89 | 16.37 | Peak | 233 | 134 |
| 5 | 15960.00 | 47.79 | 54.00 | -6.21 | 31.26 | 16.53 | Average | 100 | 133 |
| 6 | 15960.00 | 59.78 | 74.00 | -14.22 | 43.25 | 16.53 | Peak | 100 | 133 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5320 |
| Polarization | Vertical | Test Configuration | 1 |



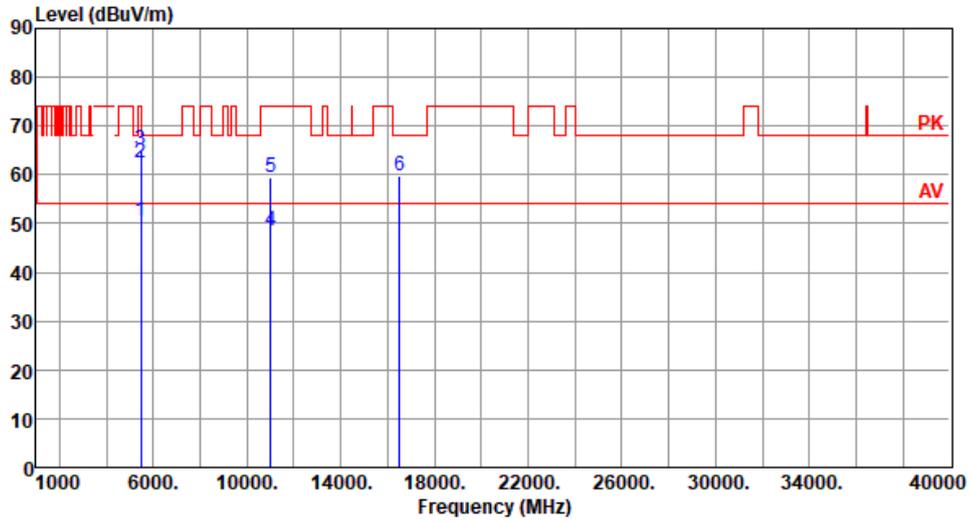
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 52.94 | 54.00 | -1.06 | 46.09 | 6.85 | Average | 192 | 106 |
| 2 | 5350.00 | 69.26 | 74.00 | -4.74 | 62.41 | 6.85 | Peak | 192 | 106 |
| 3 | 10640.00 | 47.48 | 54.00 | -6.52 | 31.11 | 16.37 | Average | 100 | 42 |
| 4 | 10640.00 | 58.62 | 74.00 | -15.38 | 42.25 | 16.37 | Peak | 100 | 42 |
| 5 | 15960.00 | 47.75 | 54.00 | -6.25 | 31.22 | 16.53 | Average | 100 | 44 |
| 6 | 15960.00 | 58.78 | 74.00 | -15.22 | 42.25 | 16.53 | Peak | 100 | 44 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5500 |
| Polarization | Horizontal | Test Configuration | 1 |



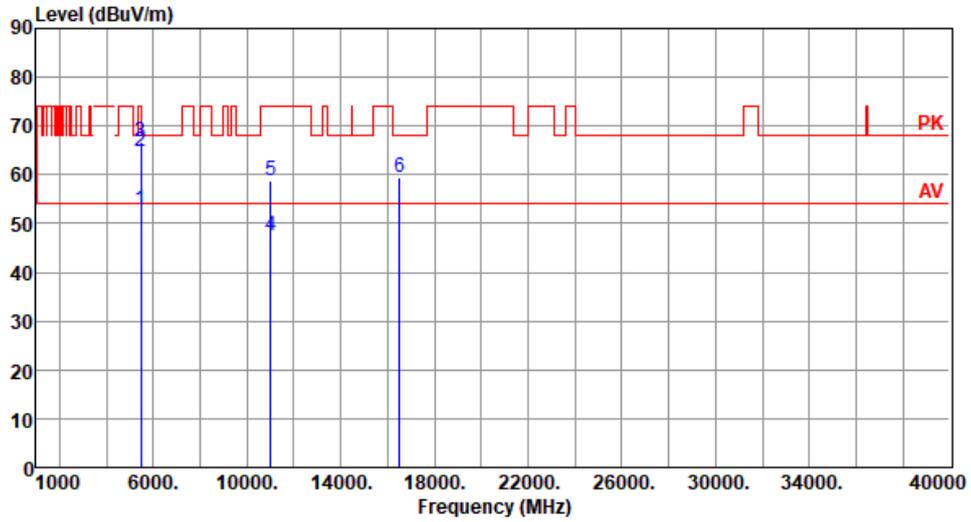
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 50.46 | 54.00 | -3.54 | 43.21 | 7.25 | Average | 266 | 29 |
| 2 | 5460.00 | 62.51 | 74.00 | -11.49 | 55.26 | 7.25 | Peak | 266 | 29 |
| 3 | 5470.00 | 64.97 | 68.20 | -3.23 | 57.69 | 7.28 | Peak | 266 | 29 |
| 4 | 11000.00 | 48.42 | 54.00 | -5.58 | 31.58 | 16.84 | Average | 100 | 136 |
| 5 | 11000.00 | 59.42 | 74.00 | -14.58 | 42.58 | 16.84 | Peak | 100 | 136 |
| 6 | 16500.00 | 59.90 | 68.20 | -8.30 | 42.26 | 17.64 | Peak | 100 | 137 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5500 |
| Polarization | Vertical | Test Configuration | 1 |



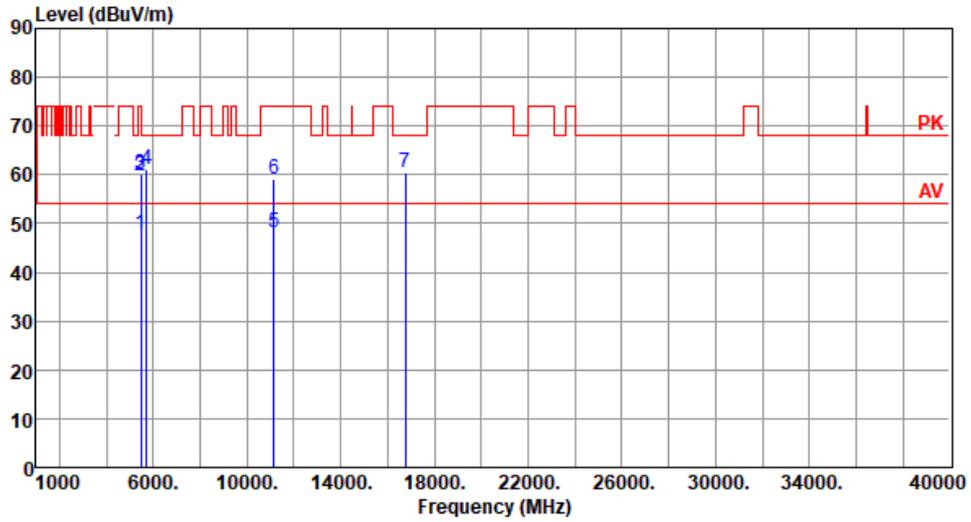
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 52.76 | 54.00 | -1.24 | 45.51 | 7.25 | Average | 188 | 97 |
| 2 | 5460.00 | 64.85 | 74.00 | -9.15 | 57.60 | 7.25 | Peak | 188 | 97 |
| 3 | 5470.00 | 66.85 | 68.20 | -1.35 | 59.57 | 7.28 | Peak | 188 | 97 |
| 4 | 11000.00 | 47.34 | 54.00 | -6.66 | 30.50 | 16.84 | Average | 100 | 26 |
| 5 | 11000.00 | 58.70 | 74.00 | -15.30 | 41.86 | 16.84 | Peak | 100 | 26 |
| 6 | 16500.00 | 59.38 | 68.20 | -8.82 | 41.74 | 17.64 | Peak | 100 | 29 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5580 |
| Polarization | Horizontal | Test Configuration | 1 |



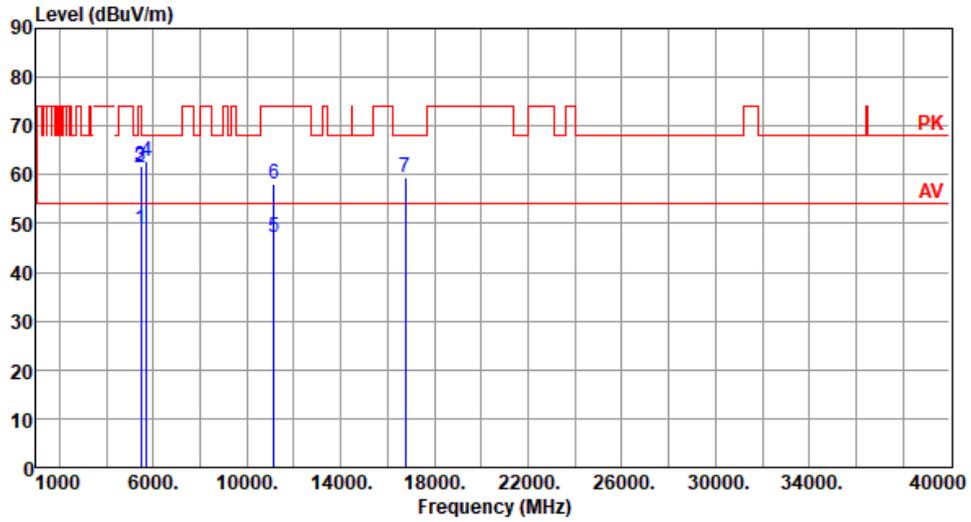
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 47.77 | 54.00 | -6.23 | 40.52 | 7.25 | Average | 233 | 32 |
| 2 | 5460.00 | 59.83 | 74.00 | -14.17 | 52.58 | 7.25 | Peak | 233 | 32 |
| 3 | 5470.00 | 60.24 | 68.20 | -7.96 | 52.96 | 7.28 | Peak | 233 | 32 |
| 4 | 5725.00 | 61.23 | 68.20 | -6.97 | 53.57 | 7.66 | Peak | 233 | 32 |
| 5 | 11160.00 | 48.15 | 54.00 | -5.85 | 31.56 | 16.59 | Average | 100 | 50 |
| 6 | 11160.00 | 59.15 | 74.00 | -14.85 | 42.56 | 16.59 | Peak | 100 | 50 |
| 7 | 16740.00 | 60.47 | 68.20 | -7.73 | 42.24 | 18.23 | Peak | 100 | 70 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5580 |
| Polarization | Vertical | Test Configuration | 1 |



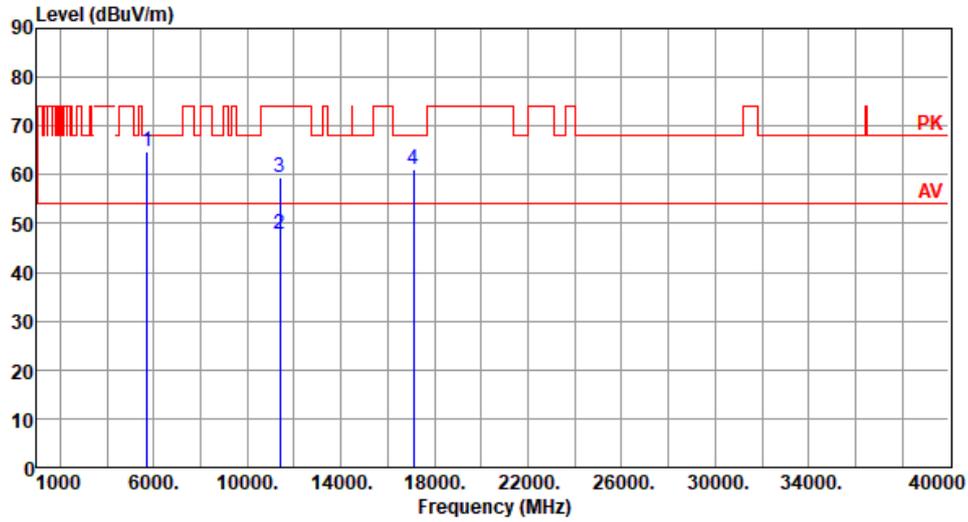
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 48.77 | 54.00 | -5.23 | 41.52 | 7.25 | Average | 247 | 103 |
| 2 | 5460.00 | 61.58 | 74.00 | -12.42 | 54.33 | 7.25 | Peak | 247 | 103 |
| 3 | 5470.00 | 61.86 | 68.20 | -6.34 | 54.58 | 7.28 | Peak | 247 | 103 |
| 4 | 5725.00 | 62.87 | 68.20 | -5.33 | 55.21 | 7.66 | Peak | 247 | 103 |
| 5 | 11160.00 | 47.00 | 54.00 | -7.00 | 30.41 | 16.59 | Average | 100 | 100 |
| 6 | 11160.00 | 58.06 | 74.00 | -15.94 | 41.47 | 16.59 | Peak | 100 | 100 |
| 7 | 16740.00 | 59.34 | 68.20 | -8.86 | 41.11 | 18.23 | Peak | 100 | 50 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5700 |
| Polarization | Horizontal | Test Configuration | 1 |



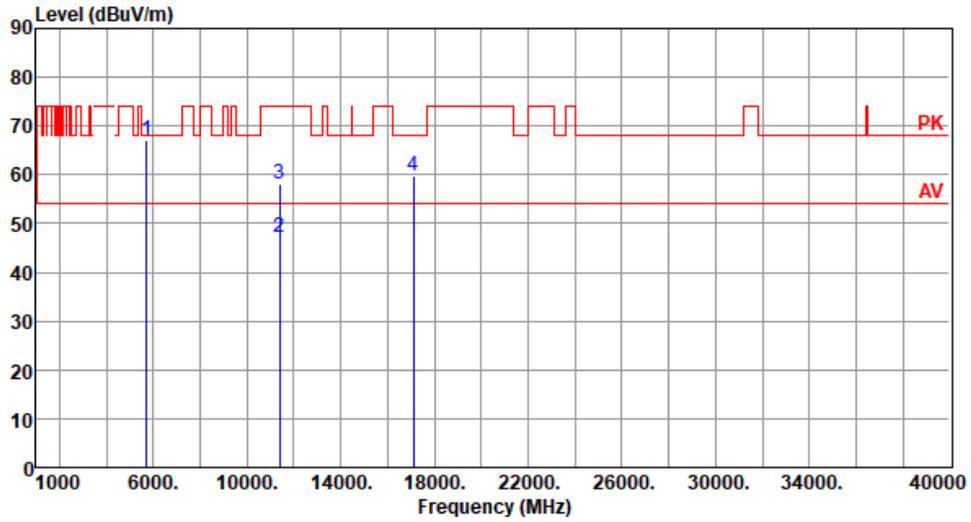
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 64.90 | 68.20 | -3.30 | 57.24 | 7.66 | Peak | 269 | 24 |
| 2 | 11400.00 | 47.97 | 54.00 | -6.03 | 31.24 | 16.73 | Average | 100 | 138 |
| 3 | 11400.00 | 59.57 | 74.00 | -14.43 | 42.84 | 16.73 | Peak | 100 | 138 |
| 4 | 17100.00 | 61.08 | 68.20 | -7.12 | 42.84 | 18.24 | Peak | 100 | 132 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5700 |
| Polarization | Vertical | Test Configuration | 1 |



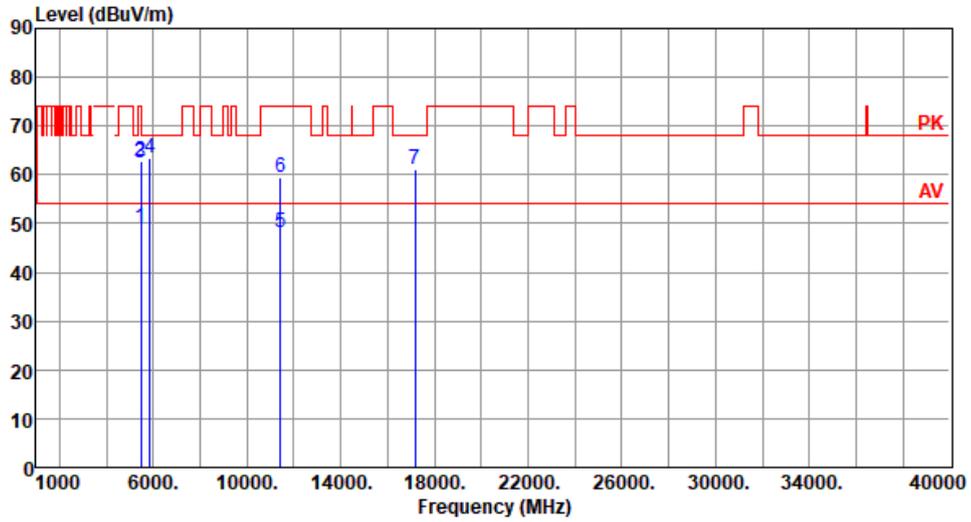
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 67.10 | 68.20 | -1.10 | 59.44 | 7.66 | Peak | 188 | 311 |
| 2 | 11400.00 | 47.24 | 54.00 | -6.76 | 30.51 | 16.73 | Average | 100 | 27 |
| 3 | 11400.00 | 58.18 | 74.00 | -15.82 | 41.45 | 16.73 | Peak | 100 | 27 |
| 4 | 17100.00 | 59.87 | 68.20 | -8.33 | 41.63 | 18.24 | Peak | 100 | 24 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5720 |
| Polarization | Horizontal | Test Configuration | 1 |



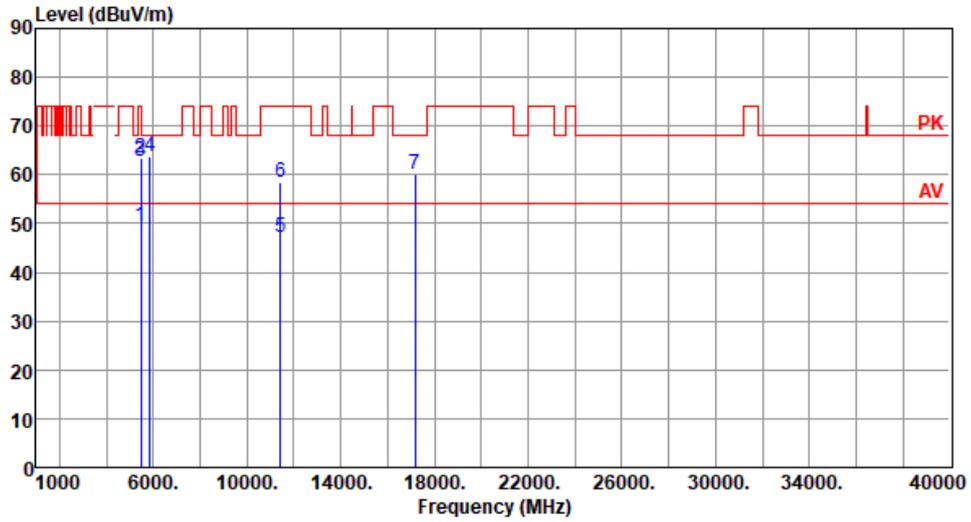
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.13 | 54.00 | -4.87 | 41.88 | 7.25 | Average | 274 | 25 |
| 2 | 5460.00 | 62.80 | 74.00 | -11.20 | 55.55 | 7.25 | Peak | 274 | 25 |
| 3 | 5470.00 | 62.43 | 68.20 | -5.77 | 55.15 | 7.28 | Peak | 274 | 25 |
| 4 | 5850.00 | 63.35 | 68.20 | -4.85 | 55.33 | 8.02 | Peak | 274 | 25 |
| 5 | 11440.00 | 48.31 | 54.00 | -5.69 | 31.57 | 16.74 | Average | 100 | 137 |
| 6 | 11440.00 | 59.59 | 74.00 | -14.41 | 42.85 | 16.74 | Peak | 100 | 137 |
| 7 | 17160.00 | 61.16 | 68.20 | -7.04 | 42.78 | 18.38 | Peak | 100 | 132 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5720 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.63 | 54.00 | -4.37 | 42.38 | 7.25 | Average | 194 | 118 |
| 2 | 5460.00 | 63.43 | 74.00 | -10.57 | 56.18 | 7.25 | Peak | 194 | 118 |
| 3 | 5470.00 | 62.67 | 68.20 | -5.53 | 55.39 | 7.28 | Peak | 194 | 118 |
| 4 | 5850.00 | 63.67 | 68.20 | -4.53 | 55.65 | 8.02 | Peak | 194 | 118 |
| 5 | 11440.00 | 47.00 | 54.00 | -7.00 | 30.26 | 16.74 | Average | 100 | 24 |
| 6 | 11440.00 | 58.49 | 74.00 | -15.51 | 41.75 | 16.74 | Peak | 100 | 24 |
| 7 | 17160.00 | 60.00 | 68.20 | -8.20 | 41.62 | 18.38 | Peak | 100 | 26 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

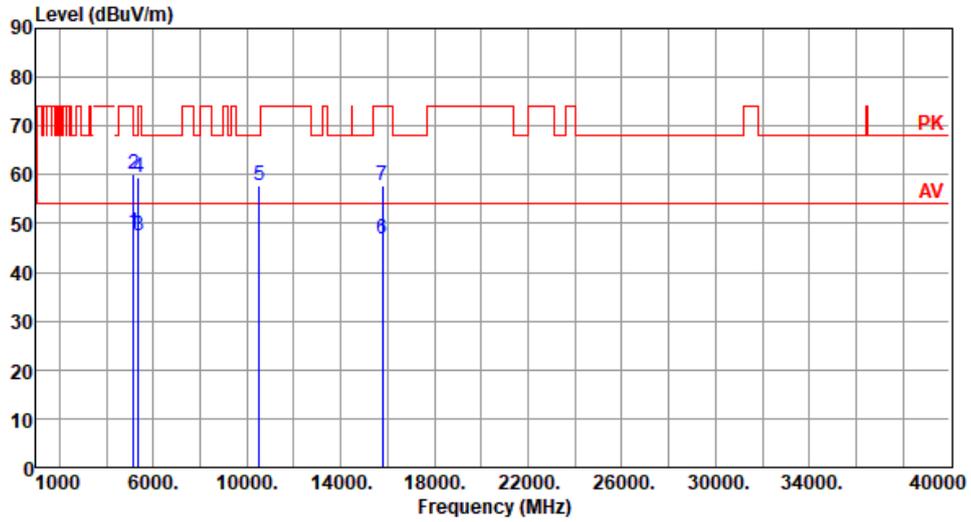
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

| Modulation | VHT20 | Test Freq. (MHz) | 5260 | | | | | | |
|--------------|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| Polarization | Horizontal | Test Configuration | 1 | | | | | | |
| | | | | | | | | | |
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
| 1 | 5150.00 | 47.75 | 54.00 | -6.25 | 40.43 | 7.32 | Average | 292 | 24 |
| 2 | 5150.00 | 59.70 | 74.00 | -14.30 | 52.38 | 7.32 | Peak | 292 | 24 |
| 3 | 5350.00 | 47.27 | 54.00 | -6.73 | 40.42 | 6.85 | Average | 292 | 24 |
| 4 | 5350.00 | 59.25 | 74.00 | -14.75 | 52.40 | 6.85 | Peak | 292 | 24 |
| 5 | 10520.00 | 59.27 | 68.20 | -8.93 | 42.85 | 16.42 | Peak | 100 | 133 |
| 6 | 15780.00 | 48.22 | 54.00 | -5.78 | 31.66 | 16.56 | Average | 100 | 130 |
| 7 | 15780.00 | 59.33 | 74.00 | -14.67 | 42.77 | 16.56 | Peak | 100 | 130 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5260 |
| Polarization | Vertical | Test Configuration | 1 |



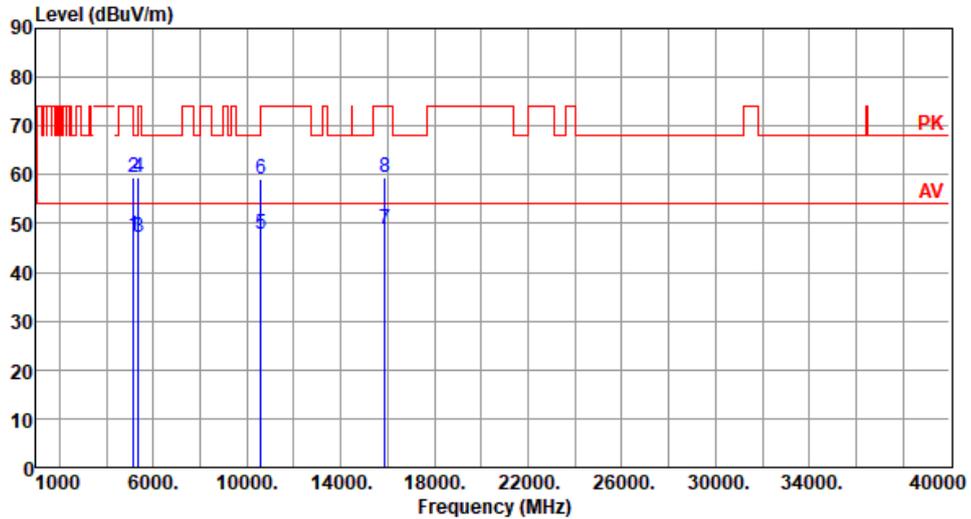
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 48.09 | 54.00 | -5.91 | 40.77 | 7.32 | Average | 197 | 137 |
| 2 | 5150.00 | 60.00 | 74.00 | -14.00 | 52.68 | 7.32 | Peak | 197 | 137 |
| 3 | 5350.00 | 47.51 | 54.00 | -6.49 | 40.66 | 6.85 | Average | 197 | 137 |
| 4 | 5350.00 | 59.55 | 74.00 | -14.45 | 52.70 | 6.85 | Peak | 197 | 137 |
| 5 | 10520.00 | 57.94 | 68.20 | -10.26 | 41.52 | 16.42 | Peak | 100 | 28 |
| 6 | 15780.00 | 46.81 | 54.00 | -7.19 | 30.25 | 16.56 | Average | 100 | 32 |
| 7 | 15780.00 | 57.89 | 74.00 | -16.11 | 41.33 | 16.56 | Peak | 100 | 32 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5300 |
| Polarization | Horizontal | Test Configuration | 1 |



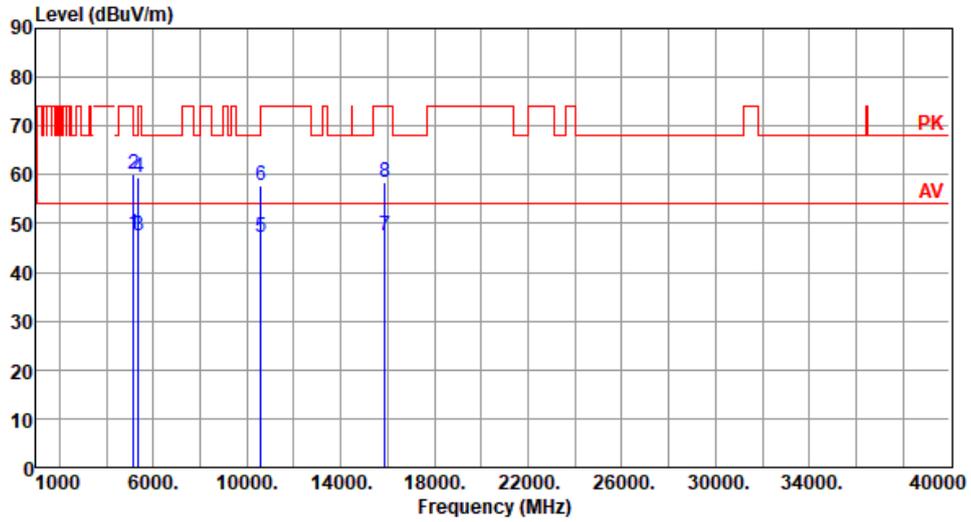
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 47.56 | 54.00 | -6.44 | 40.24 | 7.32 | Average | 289 | 26 |
| 2 | 5150.00 | 59.58 | 74.00 | -14.42 | 52.26 | 7.32 | Peak | 289 | 26 |
| 3 | 5350.00 | 47.24 | 54.00 | -6.76 | 40.39 | 6.85 | Average | 289 | 26 |
| 4 | 5350.00 | 59.29 | 74.00 | -14.71 | 52.44 | 6.85 | Peak | 289 | 26 |
| 5 | 10600.00 | 47.94 | 54.00 | -6.06 | 31.58 | 16.36 | Average | 100 | 133 |
| 6 | 10600.00 | 59.21 | 74.00 | -14.79 | 42.85 | 16.36 | Peak | 100 | 133 |
| 7 | 15900.00 | 48.68 | 54.00 | -5.32 | 31.99 | 16.69 | Average | 100 | 139 |
| 8 | 15900.00 | 59.57 | 74.00 | -14.43 | 42.88 | 16.69 | Peak | 100 | 139 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5300 |
| Polarization | Vertical | Test Configuration | 1 |



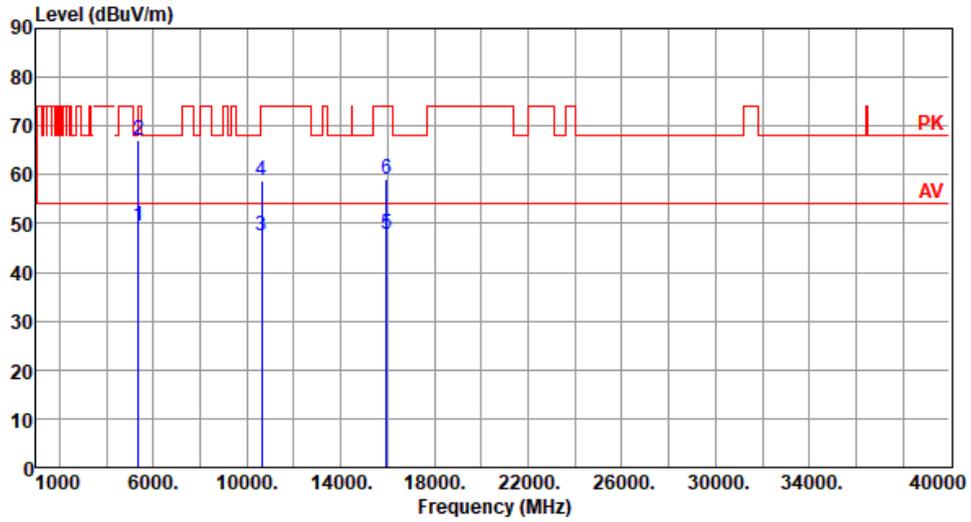
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 47.86 | 54.00 | -6.14 | 40.54 | 7.32 | Average | 195 | 133 |
| 2 | 5150.00 | 60.19 | 74.00 | -13.81 | 52.87 | 7.32 | Peak | 195 | 133 |
| 3 | 5350.00 | 47.48 | 54.00 | -6.52 | 40.63 | 6.85 | Average | 195 | 133 |
| 4 | 5350.00 | 59.59 | 74.00 | -14.41 | 52.74 | 6.85 | Peak | 195 | 133 |
| 5 | 10600.00 | 47.02 | 54.00 | -6.98 | 30.66 | 16.36 | Average | 100 | 23 |
| 6 | 10600.00 | 57.94 | 74.00 | -16.06 | 41.58 | 16.36 | Peak | 100 | 23 |
| 7 | 15900.00 | 47.35 | 54.00 | -6.65 | 30.66 | 16.69 | Average | 100 | 29 |
| 8 | 15900.00 | 58.46 | 74.00 | -15.54 | 41.77 | 16.69 | Peak | 100 | 29 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5320 |
| Polarization | Horizontal | Test Configuration | 1 |



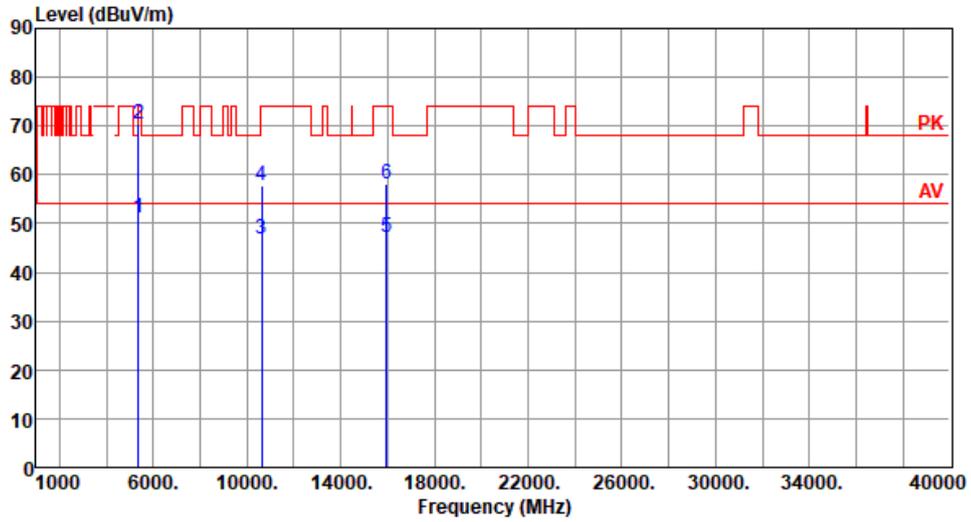
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 49.40 | 54.00 | -4.60 | 42.55 | 6.85 | Average | 288 | 27 |
| 2 | 5350.00 | 67.07 | 74.00 | -6.93 | 60.22 | 6.85 | Peak | 288 | 27 |
| 3 | 10640.00 | 47.62 | 54.00 | -6.38 | 31.25 | 16.37 | Average | 100 | 139 |
| 4 | 10640.00 | 58.92 | 74.00 | -15.08 | 42.55 | 16.37 | Peak | 100 | 139 |
| 5 | 15960.00 | 47.78 | 54.00 | -6.22 | 31.25 | 16.53 | Average | 100 | 140 |
| 6 | 15960.00 | 58.97 | 74.00 | -15.03 | 42.44 | 16.53 | Peak | 100 | 140 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5320 |
| Polarization | Vertical | Test Configuration | 1 |



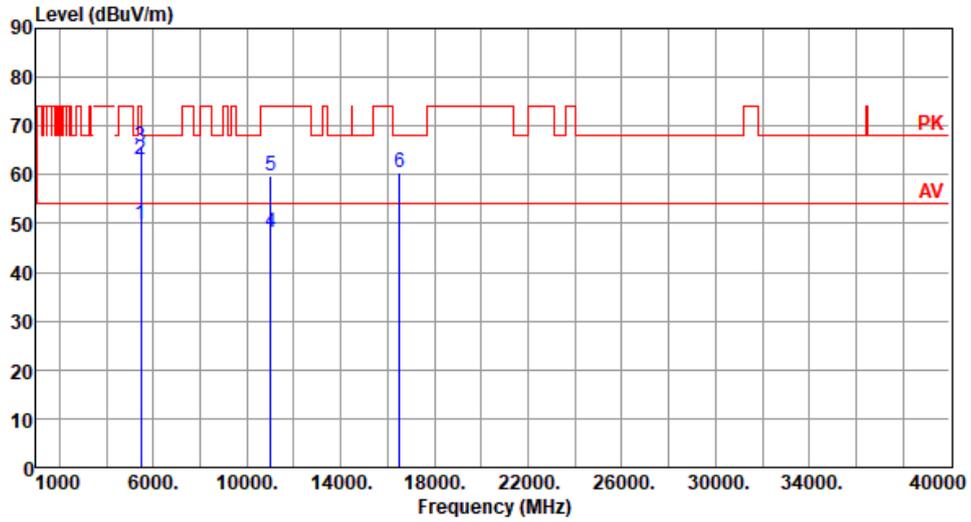
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 51.06 | 54.00 | -2.94 | 44.21 | 6.85 | Average | 188 | 102 |
| 2 | 5350.00 | 70.50 | 74.00 | -3.50 | 63.65 | 6.85 | Peak | 188 | 102 |
| 3 | 10640.00 | 46.73 | 54.00 | -7.27 | 30.36 | 16.37 | Average | 100 | 39 |
| 4 | 10640.00 | 57.70 | 74.00 | -16.30 | 41.33 | 16.37 | Peak | 100 | 39 |
| 5 | 15960.00 | 47.00 | 54.00 | -7.00 | 30.47 | 16.53 | Average | 100 | 42 |
| 6 | 15960.00 | 58.22 | 74.00 | -15.78 | 41.69 | 16.53 | Peak | 100 | 42 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5500 |
| Polarization | Horizontal | Test Configuration | 1 |



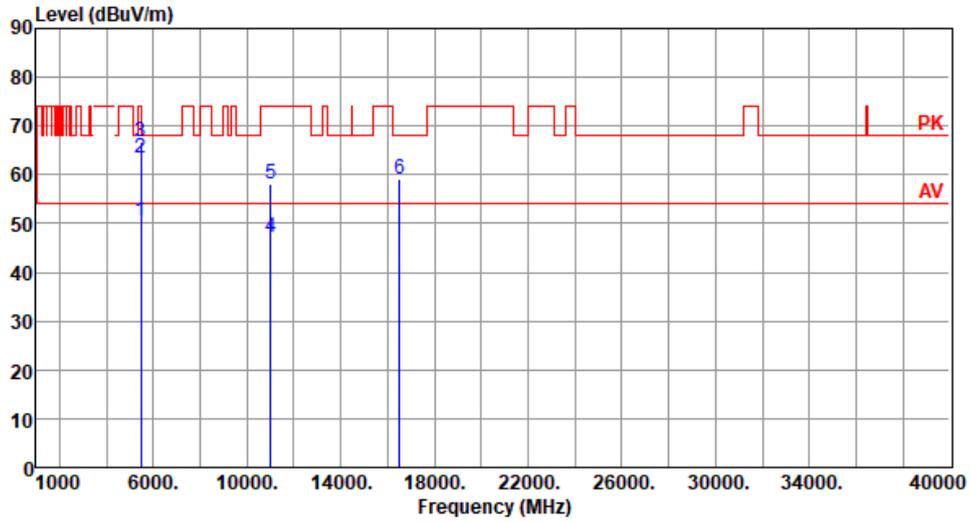
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.80 | 54.00 | -4.20 | 42.55 | 7.25 | Average | 269 | 26 |
| 2 | 5460.00 | 63.13 | 74.00 | -10.87 | 55.88 | 7.25 | Peak | 269 | 26 |
| 3 | 5470.00 | 65.72 | 68.20 | -2.48 | 58.44 | 7.28 | Peak | 269 | 26 |
| 4 | 11000.00 | 48.25 | 54.00 | -5.75 | 31.41 | 16.84 | Average | 100 | 135 |
| 5 | 11000.00 | 59.80 | 74.00 | -14.20 | 42.96 | 16.84 | Peak | 100 | 135 |
| 6 | 16500.00 | 60.38 | 68.20 | -7.82 | 42.74 | 17.64 | Peak | 100 | 132 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5500 |
| Polarization | Vertical | Test Configuration | 1 |



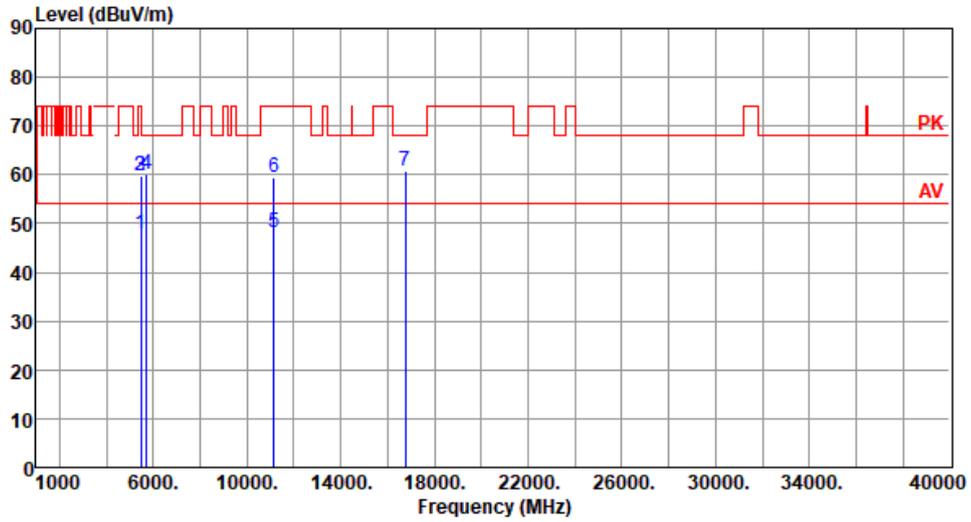
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 50.47 | 54.00 | -3.53 | 43.22 | 7.25 | Average | 185 | 323 |
| 2 | 5460.00 | 63.59 | 74.00 | -10.41 | 56.34 | 7.25 | Peak | 185 | 323 |
| 3 | 5470.00 | 66.61 | 68.20 | -1.59 | 59.33 | 7.28 | Peak | 185 | 323 |
| 4 | 11000.00 | 47.09 | 54.00 | -6.91 | 30.25 | 16.84 | Average | 100 | 25 |
| 5 | 11000.00 | 58.24 | 74.00 | -15.76 | 41.40 | 16.84 | Peak | 100 | 25 |
| 6 | 16500.00 | 59.17 | 68.20 | -9.03 | 41.53 | 17.64 | Peak | 100 | 26 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5580 |
| Polarization | Horizontal | Test Configuration | 1 |



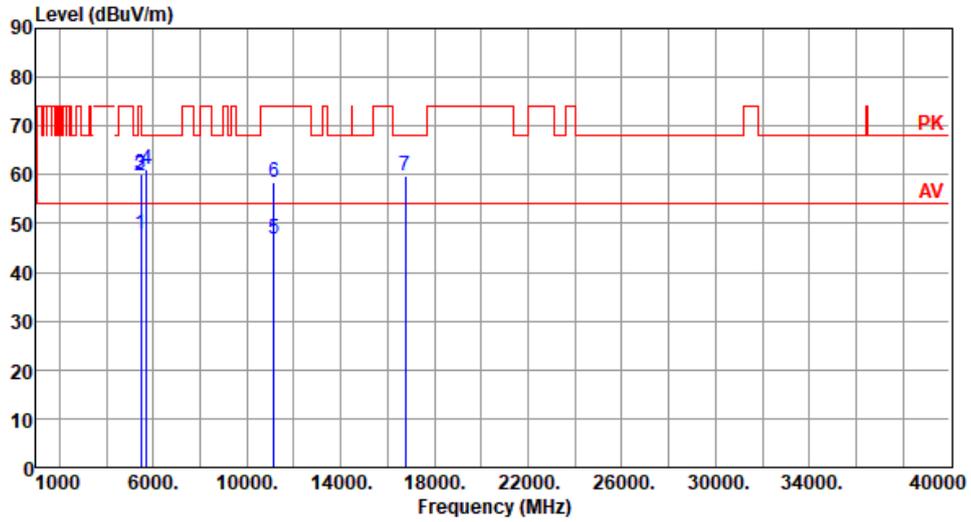
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 47.80 | 54.00 | -6.20 | 40.55 | 7.25 | Average | 270 | 29 |
| 2 | 5460.00 | 59.72 | 74.00 | -14.28 | 52.47 | 7.25 | Peak | 270 | 29 |
| 3 | 5470.00 | 59.76 | 68.20 | -8.44 | 52.48 | 7.28 | Peak | 270 | 29 |
| 4 | 5725.00 | 60.15 | 68.20 | -8.05 | 52.49 | 7.66 | Peak | 270 | 29 |
| 5 | 11160.00 | 48.11 | 54.00 | -5.89 | 31.52 | 16.59 | Average | 100 | 138 |
| 6 | 11160.00 | 59.44 | 74.00 | -14.56 | 42.85 | 16.59 | Peak | 100 | 138 |
| 7 | 16740.00 | 60.63 | 68.20 | -7.57 | 42.40 | 18.23 | Peak | 100 | 140 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5580 |
| Polarization | Vertical | Test Configuration | 1 |



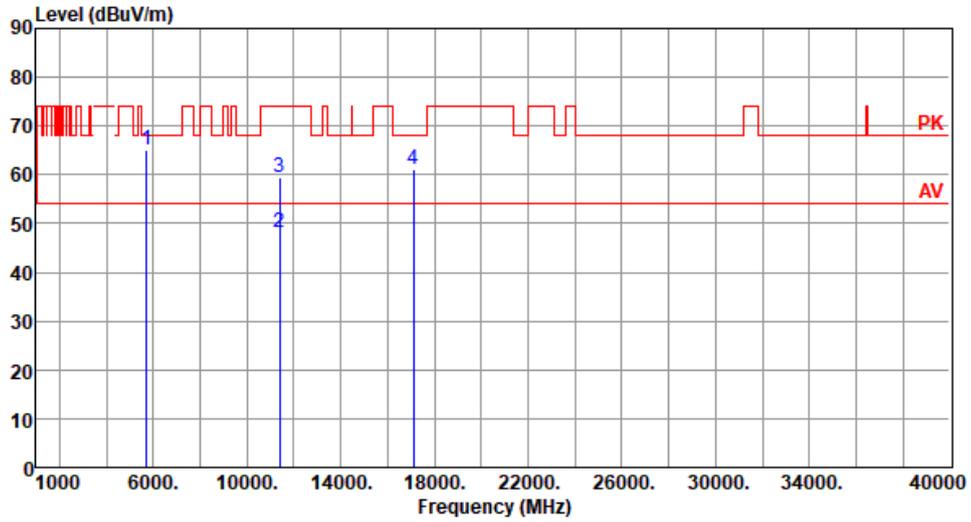
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 47.80 | 54.00 | -6.20 | 40.55 | 7.25 | Average | 189 | 139 |
| 2 | 5460.00 | 59.91 | 74.00 | -14.09 | 52.66 | 7.25 | Peak | 189 | 139 |
| 3 | 5470.00 | 60.08 | 68.20 | -8.12 | 52.80 | 7.28 | Peak | 189 | 139 |
| 4 | 5725.00 | 61.25 | 68.20 | -6.95 | 53.59 | 7.66 | Peak | 189 | 139 |
| 5 | 11160.00 | 46.87 | 54.00 | -7.13 | 30.28 | 16.59 | Average | 100 | 26 |
| 6 | 11160.00 | 58.29 | 74.00 | -15.71 | 41.70 | 16.59 | Peak | 100 | 26 |
| 7 | 16740.00 | 59.80 | 68.20 | -8.40 | 41.57 | 18.23 | Peak | 100 | 32 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5700 |
| Polarization | Horizontal | Test Configuration | 1 |



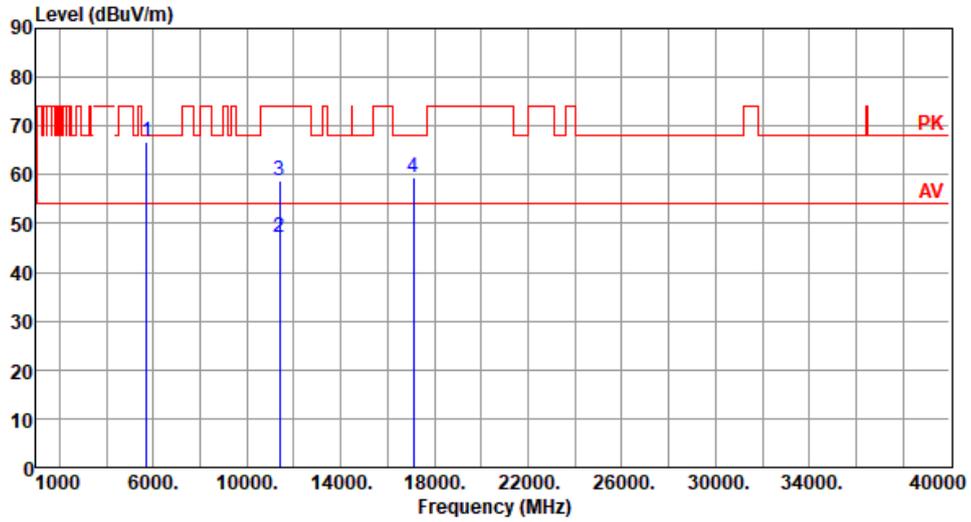
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 65.23 | 68.20 | -2.97 | 57.57 | 7.66 | Peak | 267 | 24 |
| 2 | 11400.00 | 48.24 | 54.00 | -5.76 | 31.51 | 16.73 | Average | 100 | 134 |
| 3 | 11400.00 | 59.57 | 74.00 | -14.43 | 42.84 | 16.73 | Peak | 100 | 134 |
| 4 | 17100.00 | 60.95 | 68.20 | -7.25 | 42.71 | 18.24 | Peak | 100 | 139 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5700 |
| Polarization | Vertical | Test Configuration | 1 |



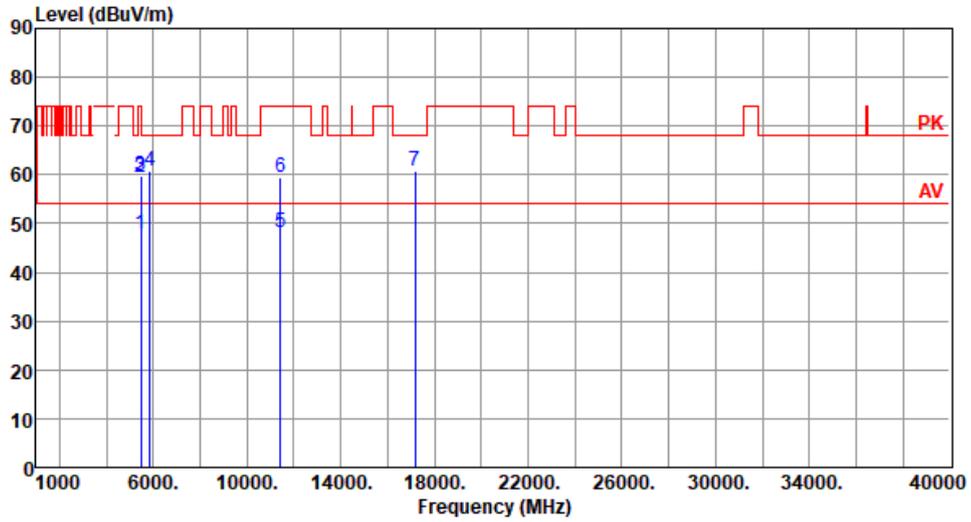
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 66.86 | 68.20 | -1.34 | 59.20 | 7.66 | Peak | 194 | 118 |
| 2 | 11400.00 | 47.30 | 54.00 | -6.70 | 30.57 | 16.73 | Average | 100 | 23 |
| 3 | 11400.00 | 58.72 | 74.00 | -15.28 | 41.99 | 16.73 | Peak | 100 | 23 |
| 4 | 17100.00 | 59.44 | 68.20 | -8.76 | 41.20 | 18.24 | Peak | 100 | 25 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5720 |
| Polarization | Horizontal | Test Configuration | 1 |



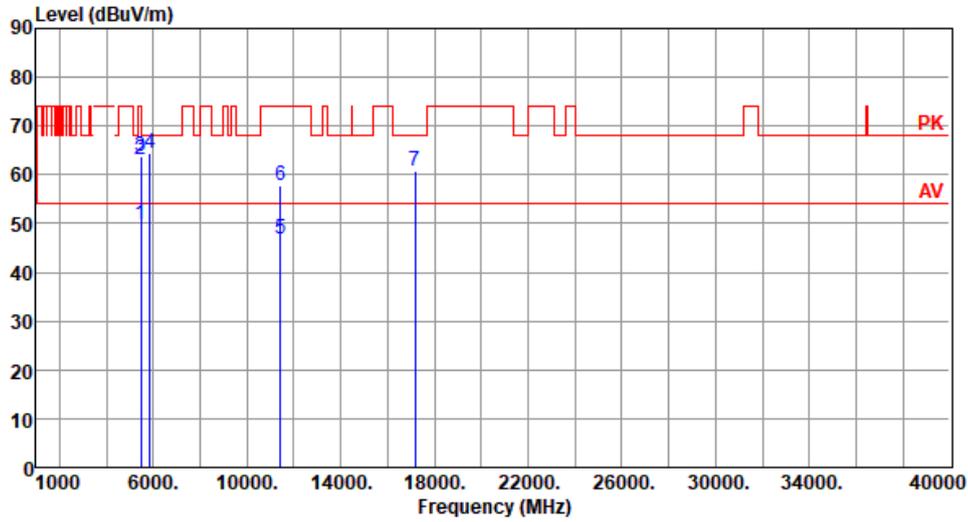
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 47.78 | 54.00 | -6.22 | 40.53 | 7.25 | Average | 233 | 27 |
| 2 | 5460.00 | 59.58 | 74.00 | -14.42 | 52.33 | 7.25 | Peak | 233 | 27 |
| 3 | 5470.00 | 59.68 | 68.20 | -8.52 | 52.40 | 7.28 | Peak | 233 | 27 |
| 4 | 5850.00 | 60.62 | 68.20 | -7.58 | 52.60 | 8.02 | Peak | 233 | 27 |
| 5 | 11440.00 | 48.31 | 54.00 | -5.69 | 31.57 | 16.74 | Average | 100 | 139 |
| 6 | 11440.00 | 59.48 | 74.00 | -14.52 | 42.74 | 16.74 | Peak | 100 | 139 |
| 7 | 17160.00 | 60.89 | 68.20 | -7.31 | 42.51 | 18.38 | Peak | 100 | 140 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5720 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.76 | 54.00 | -4.24 | 42.51 | 7.25 | Average | 192 | 98 |
| 2 | 5460.00 | 63.19 | 74.00 | -10.81 | 55.94 | 7.25 | Peak | 192 | 98 |
| 3 | 5470.00 | 63.78 | 68.20 | -4.42 | 56.50 | 7.28 | Peak | 192 | 98 |
| 4 | 5850.00 | 64.27 | 68.20 | -3.93 | 56.25 | 8.02 | Peak | 192 | 98 |
| 5 | 11440.00 | 46.99 | 54.00 | -7.01 | 30.25 | 16.74 | Average | 100 | 21 |
| 6 | 11440.00 | 57.94 | 74.00 | -16.06 | 41.20 | 16.74 | Peak | 100 | 21 |
| 7 | 17160.00 | 60.73 | 68.20 | -7.47 | 42.35 | 18.38 | Peak | 100 | 23 |

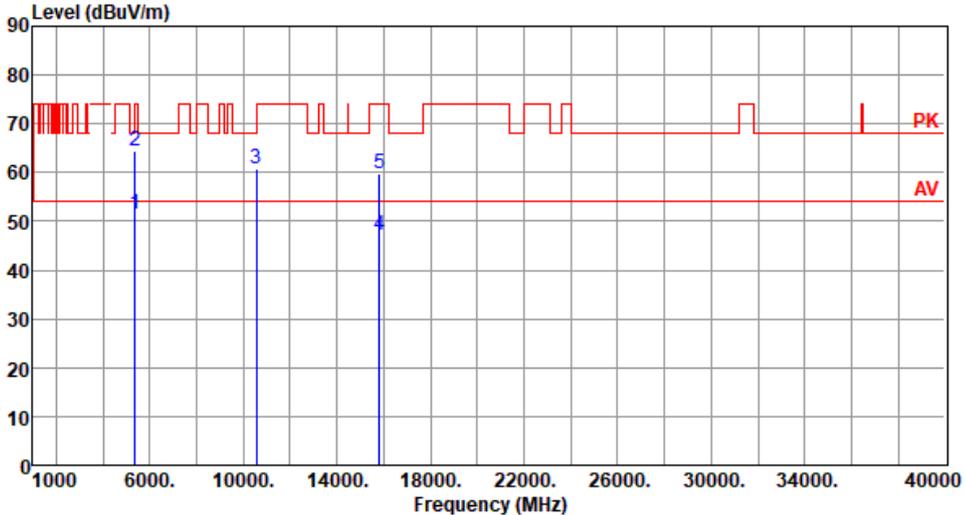
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

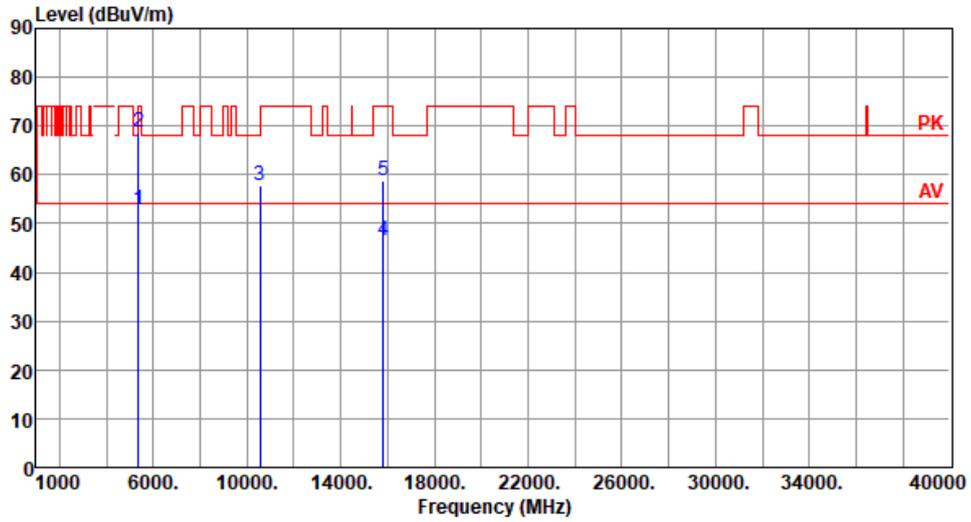
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
|--------------|------------|--------------------|------|
| Polarization | Horizontal | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 51.43 | 54.00 | -2.57 | 44.58 | 6.85 | Average | 203 | 56 |
| 2 | 5350.00 | 64.43 | 74.00 | -9.57 | 57.58 | 6.85 | Peak | 203 | 56 |
| 3 | 10540.00 | 60.63 | 68.20 | -7.57 | 44.22 | 16.41 | Peak | 233 | 137 |
| 4 | 15810.00 | 47.14 | 54.00 | -6.86 | 30.58 | 16.56 | Average | 100 | 131 |
| 5 | 15810.00 | 59.81 | 74.00 | -14.19 | 43.25 | 16.56 | Peak | 100 | 131 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Vertical | Test Configuration | 1 |



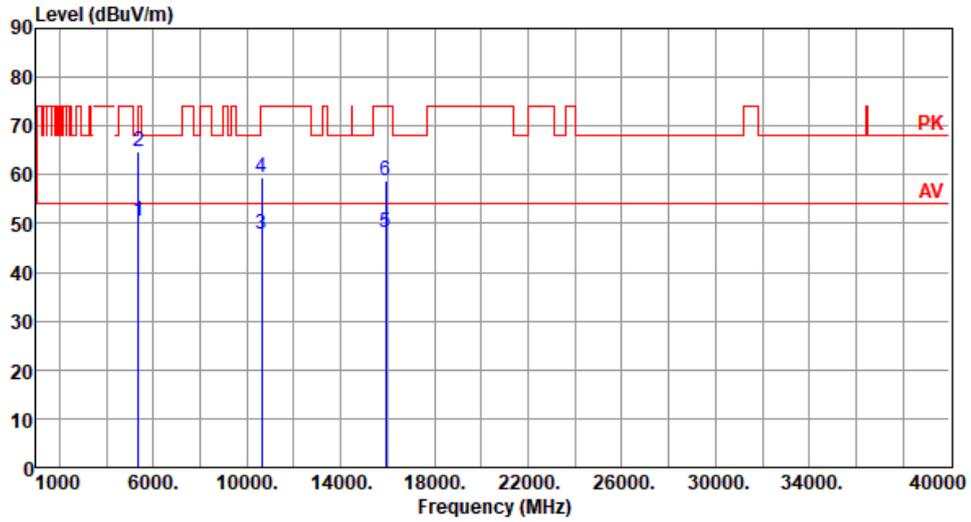
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 52.80 | 54.00 | -1.20 | 45.95 | 6.85 | Average | 246 | 109 |
| 2 | 5350.00 | 68.84 | 74.00 | -5.16 | 61.99 | 6.85 | Peak | 246 | 109 |
| 3 | 10540.00 | 57.63 | 68.20 | -10.57 | 41.22 | 16.41 | Peak | 100 | 36 |
| 4 | 15810.00 | 46.58 | 54.00 | -7.42 | 30.02 | 16.56 | Average | 100 | 33 |
| 5 | 15810.00 | 58.81 | 74.00 | -15.19 | 42.25 | 16.56 | Peak | 100 | 33 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5310 |
| Polarization | Horizontal | Test Configuration | 1 |



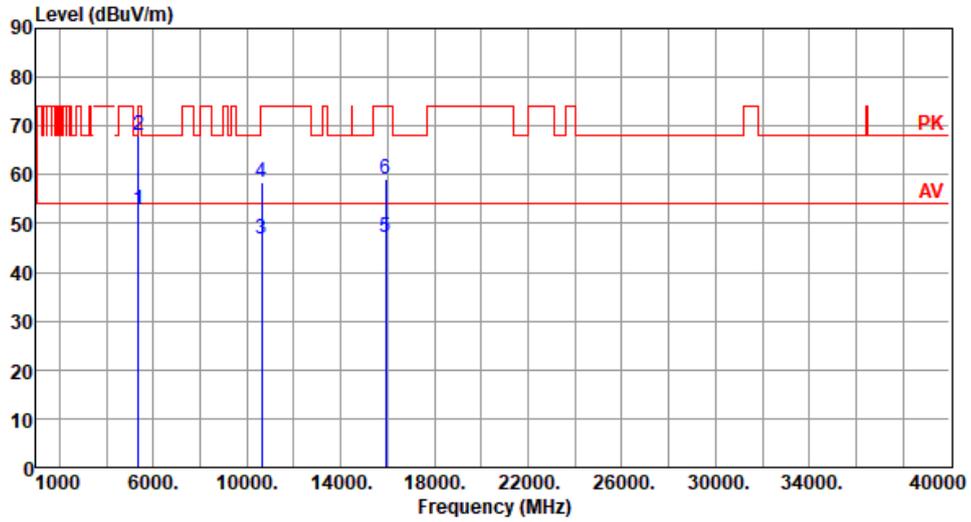
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 50.43 | 54.00 | -3.57 | 43.58 | 6.85 | Average | 201 | 55 |
| 2 | 5350.00 | 64.70 | 74.00 | -9.30 | 57.85 | 6.85 | Peak | 201 | 55 |
| 3 | 10620.00 | 47.91 | 54.00 | -6.09 | 31.54 | 16.37 | Average | 100 | 133 |
| 4 | 10620.00 | 59.32 | 74.00 | -14.68 | 42.95 | 16.37 | Peak | 100 | 133 |
| 5 | 15930.00 | 48.15 | 54.00 | -5.85 | 31.54 | 16.61 | Average | 100 | 135 |
| 6 | 15930.00 | 58.86 | 74.00 | -15.14 | 42.25 | 16.61 | Peak | 100 | 135 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5310 |
| Polarization | Vertical | Test Configuration | 1 |



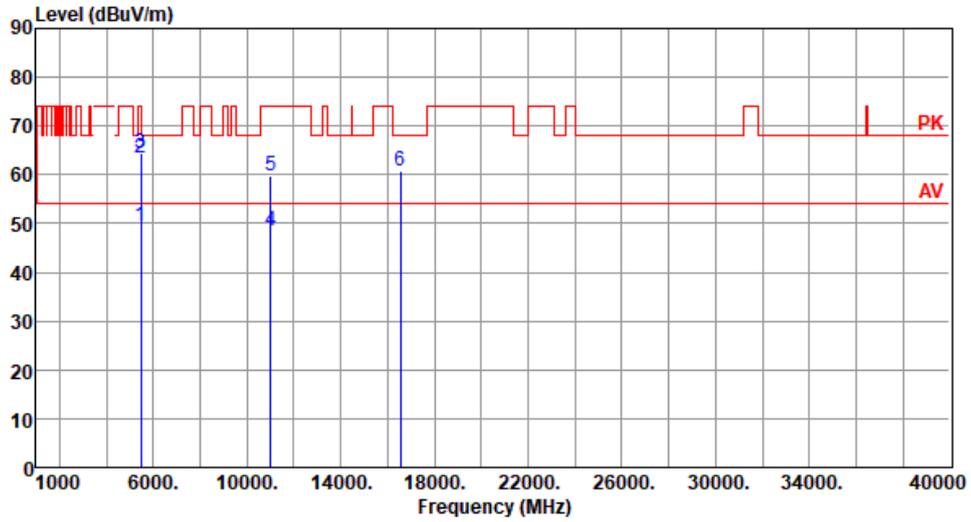
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 52.85 | 54.00 | -1.15 | 46.00 | 6.85 | Average | 172 | 328 |
| 2 | 5350.00 | 67.97 | 74.00 | -6.03 | 61.12 | 6.85 | Peak | 172 | 328 |
| 3 | 10620.00 | 46.66 | 54.00 | -7.34 | 30.29 | 16.37 | Average | 100 | 23 |
| 4 | 10620.00 | 58.60 | 74.00 | -15.40 | 42.23 | 16.37 | Peak | 100 | 23 |
| 5 | 15930.00 | 47.02 | 54.00 | -6.98 | 30.41 | 16.61 | Average | 100 | 29 |
| 6 | 15930.00 | 58.97 | 74.00 | -15.03 | 42.36 | 16.61 | Peak | 100 | 29 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5510 |
| Polarization | Horizontal | Test Configuration | 1 |



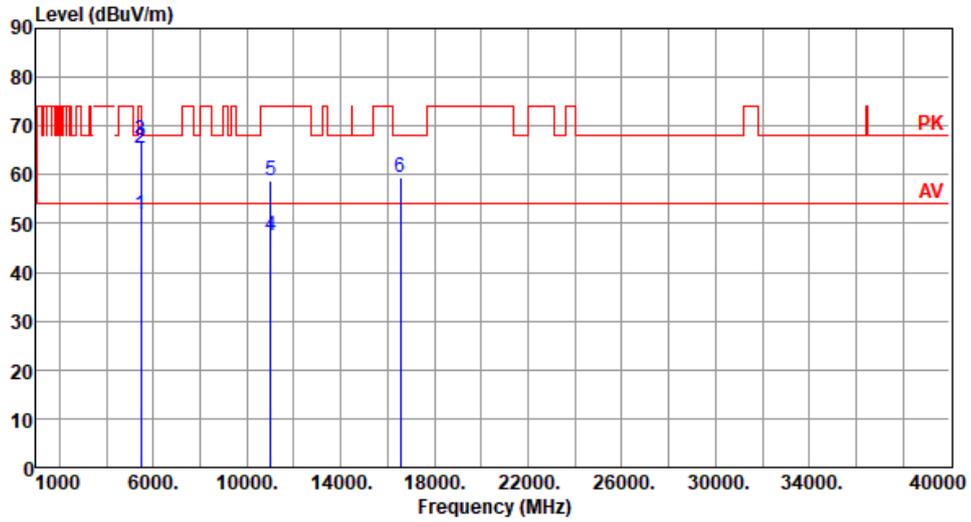
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.55 | 54.00 | -4.45 | 42.30 | 7.25 | Average | 286 | 33 |
| 2 | 5460.00 | 63.50 | 74.00 | -10.50 | 56.25 | 7.25 | Peak | 286 | 33 |
| 3 | 5470.00 | 64.53 | 68.20 | -3.67 | 57.25 | 7.28 | Peak | 286 | 33 |
| 4 | 11020.00 | 48.33 | 54.00 | -5.67 | 31.52 | 16.81 | Average | 100 | 138 |
| 5 | 11020.00 | 59.68 | 74.00 | -14.32 | 42.87 | 16.81 | Peak | 100 | 138 |
| 6 | 16530.00 | 60.68 | 68.20 | -7.52 | 42.85 | 17.83 | Peak | 100 | 140 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5510 |
| Polarization | Vertical | Test Configuration | 1 |



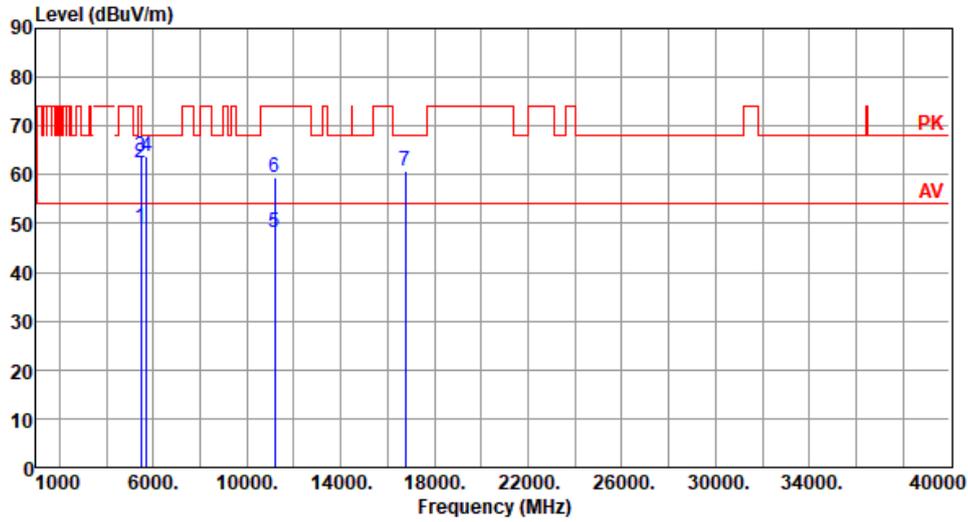
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 51.88 | 54.00 | -2.12 | 44.63 | 7.25 | Average | 188 | 318 |
| 2 | 5460.00 | 65.29 | 74.00 | -8.71 | 58.04 | 7.25 | Peak | 188 | 318 |
| 3 | 5470.00 | 67.14 | 68.20 | -1.06 | 59.86 | 7.28 | Peak | 188 | 318 |
| 4 | 11020.00 | 47.33 | 54.00 | -6.67 | 30.52 | 16.81 | Average | 100 | 132 |
| 5 | 11020.00 | 58.69 | 74.00 | -15.31 | 41.88 | 16.81 | Peak | 100 | 132 |
| 6 | 16530.00 | 59.57 | 68.20 | -8.63 | 41.74 | 17.83 | Peak | 100 | 139 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5590 |
| Polarization | Horizontal | Test Configuration | 1 |



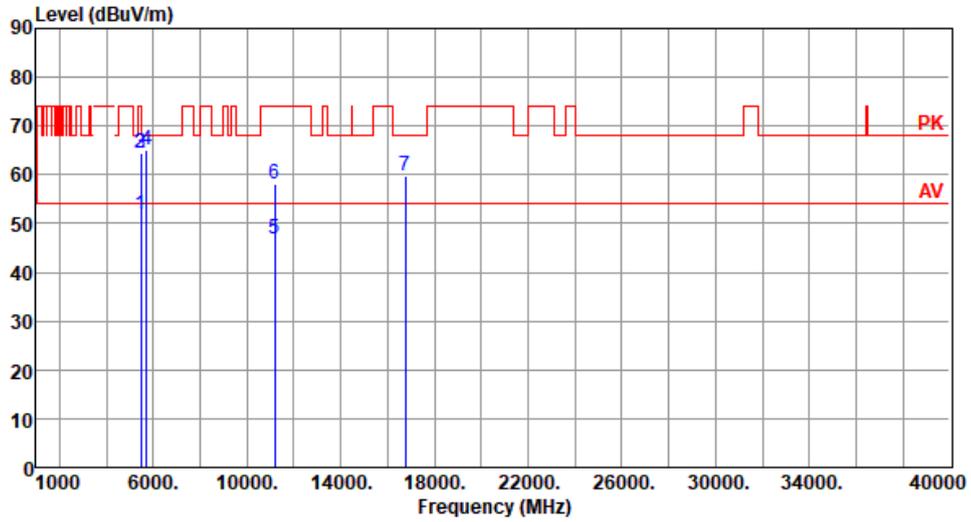
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.11 | 54.00 | -4.89 | 41.86 | 7.25 | Average | 287 | 29 |
| 2 | 5460.00 | 62.40 | 74.00 | -11.60 | 55.15 | 7.25 | Peak | 287 | 29 |
| 3 | 5470.00 | 63.64 | 68.20 | -4.56 | 56.36 | 7.28 | Peak | 287 | 29 |
| 4 | 5725.00 | 63.64 | 68.20 | -4.56 | 55.98 | 7.66 | Peak | 287 | 29 |
| 5 | 11180.00 | 48.08 | 54.00 | -5.92 | 31.52 | 16.56 | Average | 100 | 135 |
| 6 | 11180.00 | 59.41 | 74.00 | -14.59 | 42.85 | 16.56 | Peak | 100 | 135 |
| 7 | 16770.00 | 60.71 | 68.20 | -7.49 | 42.48 | 18.23 | Peak | 100 | 133 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5590 |
| Polarization | Vertical | Test Configuration | 1 |



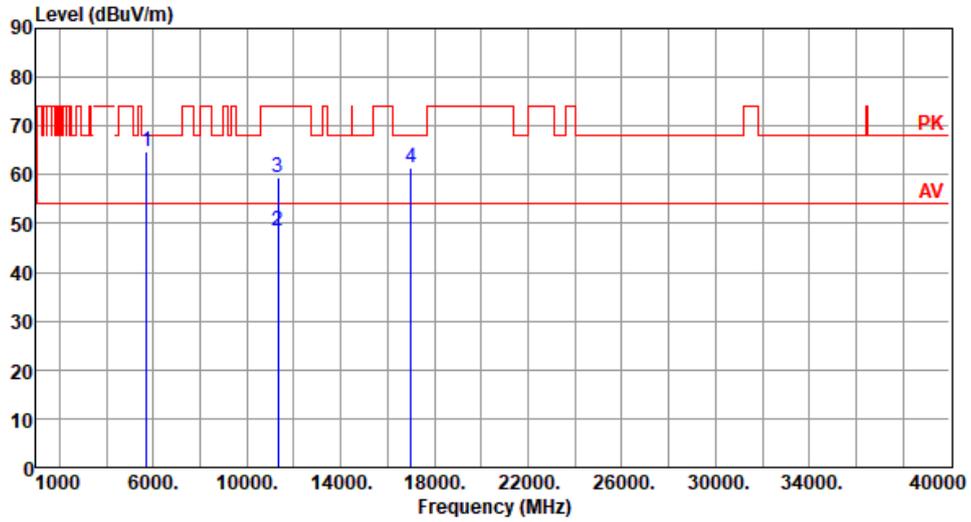
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 51.65 | 54.00 | -2.35 | 44.40 | 7.25 | Average | 188 | 104 |
| 2 | 5460.00 | 64.51 | 74.00 | -9.49 | 57.26 | 7.25 | Peak | 188 | 104 |
| 3 | 5470.00 | 64.57 | 68.20 | -3.63 | 57.29 | 7.28 | Peak | 188 | 104 |
| 4 | 5725.00 | 65.21 | 68.20 | -2.99 | 57.55 | 7.66 | Peak | 188 | 129 |
| 5 | 11180.00 | 46.82 | 54.00 | -7.18 | 30.26 | 16.56 | Average | 100 | 24 |
| 6 | 11180.00 | 58.03 | 74.00 | -15.97 | 41.47 | 16.56 | Peak | 100 | 24 |
| 7 | 16770.00 | 59.73 | 68.20 | -8.47 | 41.50 | 18.23 | Peak | 100 | 26 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5670 |
| Polarization | Horizontal | Test Configuration | 1 |



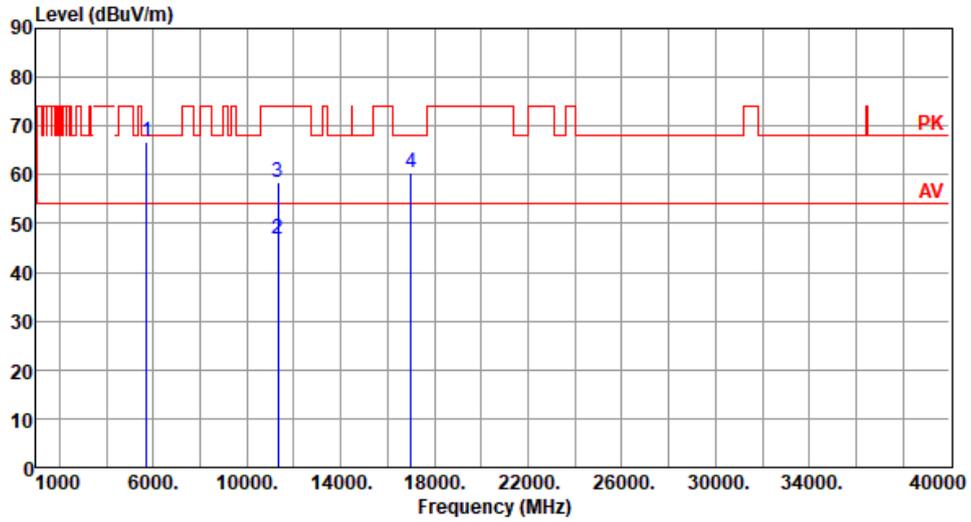
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 64.88 | 68.20 | -3.32 | 57.22 | 7.66 | Peak | 287 | 25 |
| 2 | 11340.00 | 48.36 | 54.00 | -5.64 | 31.78 | 16.58 | Average | 100 | 139 |
| 3 | 11340.00 | 59.40 | 74.00 | -14.60 | 42.82 | 16.58 | Peak | 100 | 139 |
| 4 | 17010.00 | 61.36 | 68.20 | -6.84 | 42.70 | 18.66 | Peak | 100 | 143 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5670 |
| Polarization | Vertical | Test Configuration | 1 |



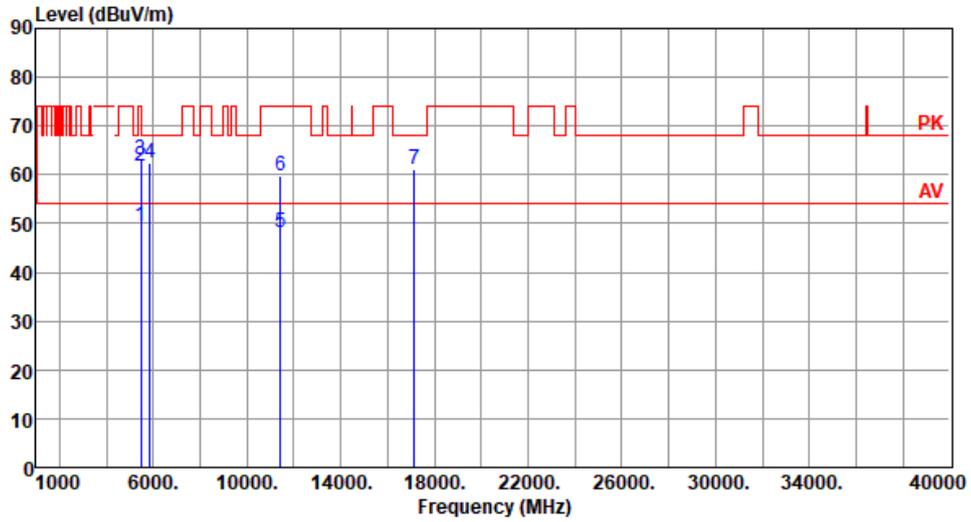
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 66.91 | 68.20 | -1.29 | 59.25 | 7.66 | Peak | 188 | 280 |
| 2 | 11340.00 | 46.97 | 54.00 | -7.03 | 30.39 | 16.58 | Average | 100 | 21 |
| 3 | 11340.00 | 58.29 | 74.00 | -15.71 | 41.71 | 16.58 | Peak | 100 | 21 |
| 4 | 17010.00 | 60.54 | 68.20 | -7.66 | 41.88 | 18.66 | Peak | 100 | 26 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5710 |
| Polarization | Horizontal | Test Configuration | 1 |



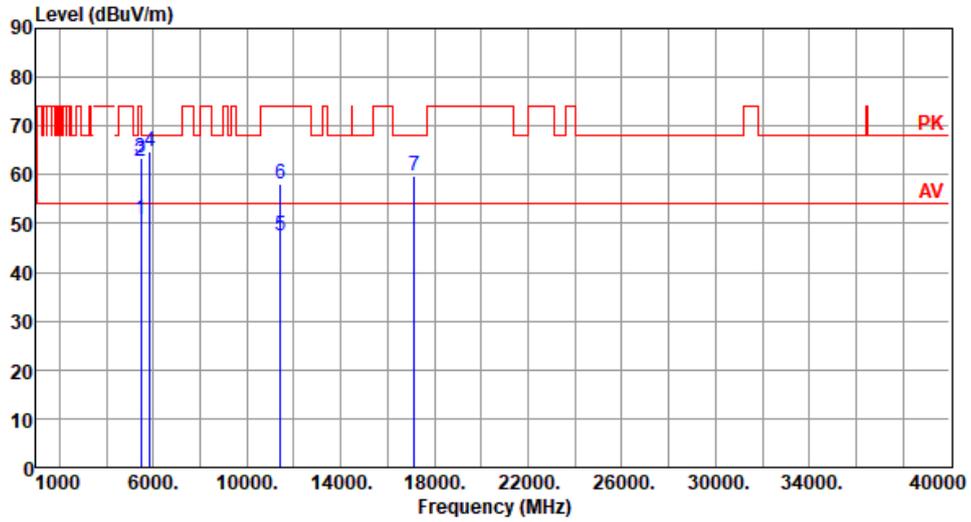
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.47 | 54.00 | -4.53 | 42.22 | 7.25 | Average | 290 | 26 |
| 2 | 5460.00 | 61.83 | 74.00 | -12.17 | 54.58 | 7.25 | Peak | 290 | 26 |
| 3 | 5470.00 | 63.15 | 68.20 | -5.05 | 55.87 | 7.28 | Peak | 290 | 26 |
| 4 | 5850.00 | 62.55 | 68.20 | -5.65 | 54.53 | 8.02 | Peak | 290 | 26 |
| 5 | 11420.00 | 48.20 | 54.00 | -5.80 | 31.47 | 16.73 | Average | 100 | 132 |
| 6 | 11420.00 | 59.62 | 74.00 | -14.38 | 42.89 | 16.73 | Peak | 100 | 132 |
| 7 | 17130.00 | 61.02 | 68.20 | -7.18 | 42.72 | 18.30 | Peak | 100 | 139 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5710 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 50.65 | 54.00 | -3.35 | 43.40 | 7.25 | Average | 185 | 97 |
| 2 | 5460.00 | 62.87 | 74.00 | -11.13 | 55.62 | 7.25 | Peak | 185 | 97 |
| 3 | 5470.00 | 63.56 | 68.20 | -4.64 | 56.28 | 7.28 | Peak | 185 | 97 |
| 4 | 5850.00 | 64.65 | 68.20 | -3.55 | 56.63 | 8.02 | Peak | 185 | 97 |
| 5 | 11420.00 | 47.60 | 54.00 | -6.40 | 30.87 | 16.73 | Average | 100 | 26 |
| 6 | 11420.00 | 58.13 | 74.00 | -15.87 | 41.40 | 16.73 | Peak | 100 | 26 |
| 7 | 17130.00 | 59.93 | 68.20 | -8.27 | 41.63 | 18.30 | Peak | 100 | 29 |

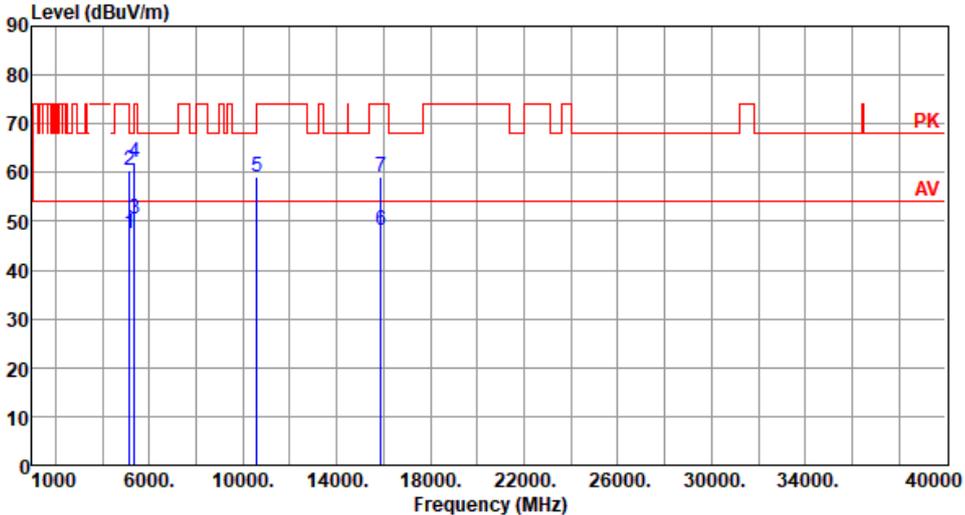
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

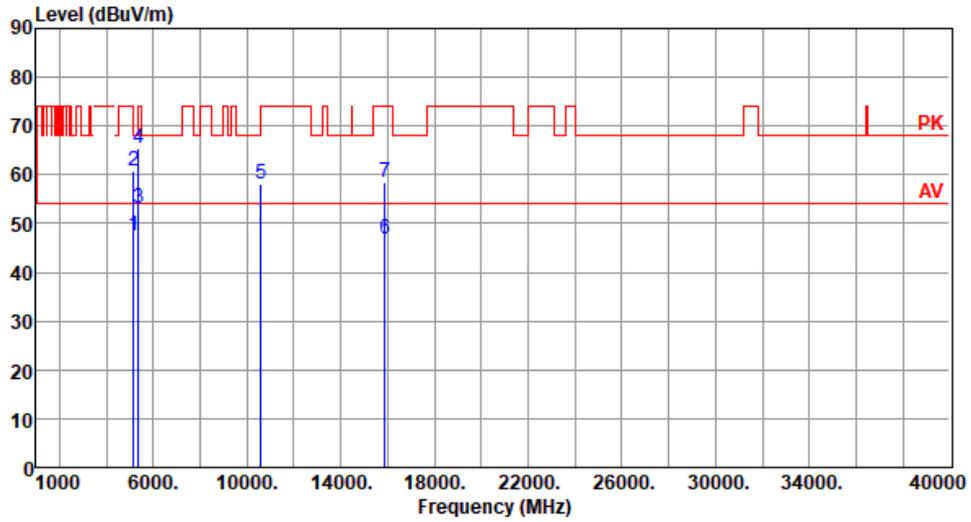
| Modulation | VHT80 | Test Freq. (MHz) | 5290 |
|--------------|------------|--------------------|------|
| Polarization | Horizontal | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 47.44 | 54.00 | -6.56 | 40.12 | 7.32 | Average | 197 | 52 |
| 2 | 5150.00 | 60.45 | 74.00 | -13.55 | 53.13 | 7.32 | Peak | 197 | 52 |
| 3 | 5350.00 | 50.58 | 54.00 | -3.42 | 43.73 | 6.85 | Average | 197 | 52 |
| 4 | 5350.00 | 62.17 | 74.00 | -11.83 | 55.32 | 6.85 | Peak | 197 | 52 |
| 5 | 10580.00 | 59.01 | 68.20 | -9.19 | 42.64 | 16.37 | Peak | 100 | 137 |
| 6 | 15870.00 | 48.28 | 54.00 | -5.72 | 31.64 | 16.64 | Average | 100 | 132 |
| 7 | 15870.00 | 59.23 | 74.00 | -14.77 | 42.59 | 16.64 | Peak | 100 | 132 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5290 |
| Polarization | Vertical | Test Configuration | 1 |



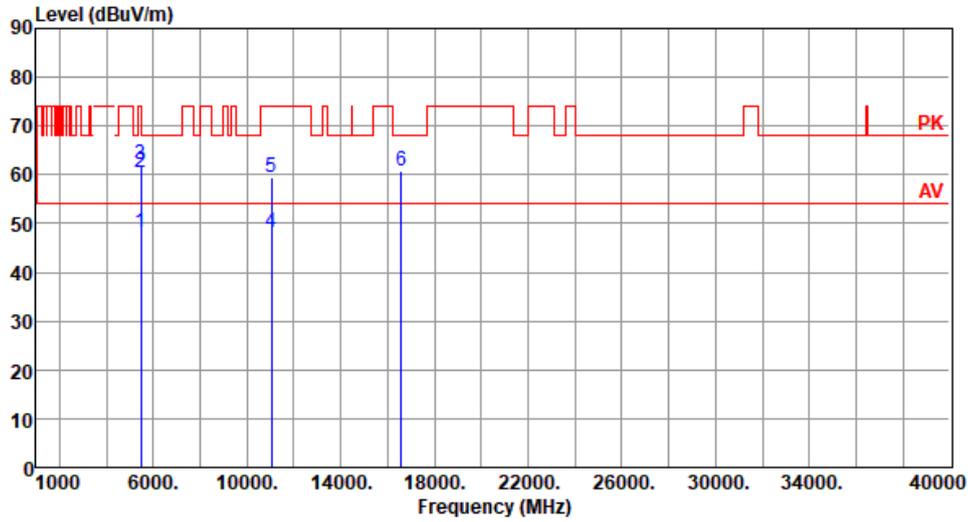
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 47.59 | 54.00 | -6.41 | 40.27 | 7.32 | Average | 209 | 175 |
| 2 | 5150.00 | 60.76 | 74.00 | -13.24 | 53.44 | 7.32 | Peak | 209 | 175 |
| 3 | 5350.00 | 53.00 | 54.00 | -1.00 | 46.15 | 6.85 | Average | 209 | 175 |
| 4 | 5350.00 | 65.34 | 74.00 | -8.66 | 58.49 | 6.85 | Peak | 209 | 175 |
| 5 | 10580.00 | 58.18 | 68.20 | -10.02 | 41.81 | 16.37 | Peak | 100 | 24 |
| 6 | 15870.00 | 46.85 | 54.00 | -7.15 | 30.21 | 16.64 | Average | 100 | 26 |
| 7 | 15870.00 | 58.55 | 74.00 | -15.45 | 41.91 | 16.64 | Peak | 100 | 26 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5530 |
| Polarization | Horizontal | Test Configuration | 1 |



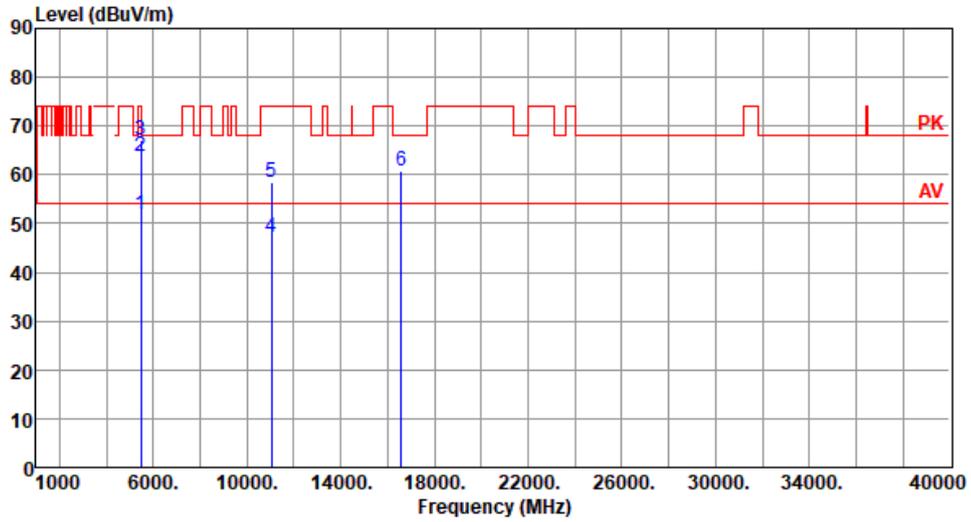
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 48.28 | 54.00 | -5.72 | 41.03 | 7.25 | Average | 280 | 49 |
| 2 | 5460.00 | 60.52 | 74.00 | -13.48 | 53.27 | 7.25 | Peak | 280 | 49 |
| 3 | 5470.00 | 62.26 | 68.20 | -5.94 | 54.98 | 7.28 | Peak | 280 | 49 |
| 4 | 11060.00 | 48.32 | 54.00 | -5.68 | 31.57 | 16.75 | Average | 100 | 139 |
| 5 | 11060.00 | 59.56 | 74.00 | -14.44 | 42.81 | 16.75 | Peak | 100 | 139 |
| 6 | 16590.00 | 60.92 | 68.20 | -7.28 | 42.71 | 18.21 | Peak | 100 | 143 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5530 |
| Polarization | Vertical | Test Configuration | 1 |



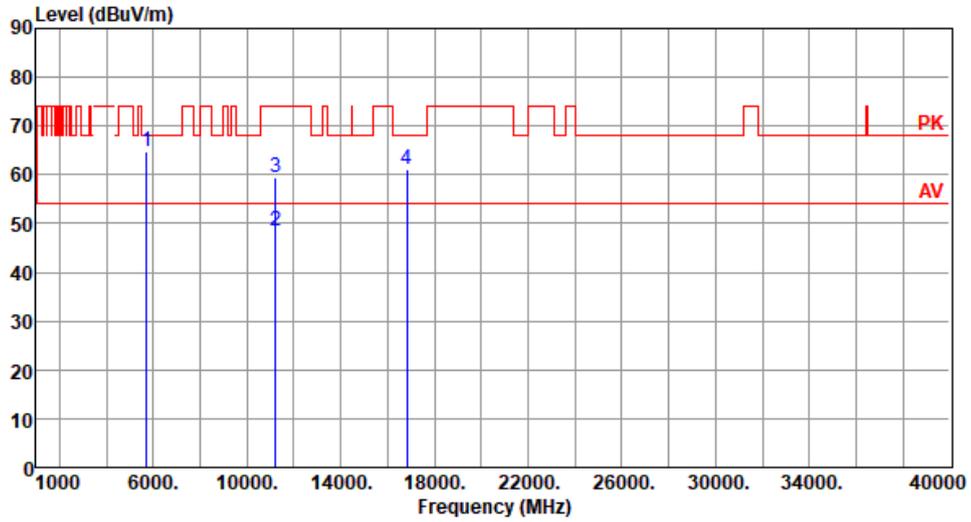
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 51.80 | 54.00 | -2.20 | 44.55 | 7.25 | Average | 197 | 327 |
| 2 | 5460.00 | 63.72 | 74.00 | -10.28 | 56.47 | 7.25 | Peak | 197 | 327 |
| 3 | 5470.00 | 66.96 | 68.20 | -1.24 | 59.68 | 7.28 | Peak | 197 | 327 |
| 4 | 11060.00 | 47.32 | 54.00 | -6.68 | 30.57 | 16.75 | Average | 100 | 32 |
| 5 | 11060.00 | 58.59 | 74.00 | -15.41 | 41.84 | 16.75 | Peak | 100 | 32 |
| 6 | 16590.00 | 60.79 | 68.20 | -7.41 | 42.58 | 18.21 | Peak | 100 | 33 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5610 |
| Polarization | Horizontal | Test Configuration | 1 |



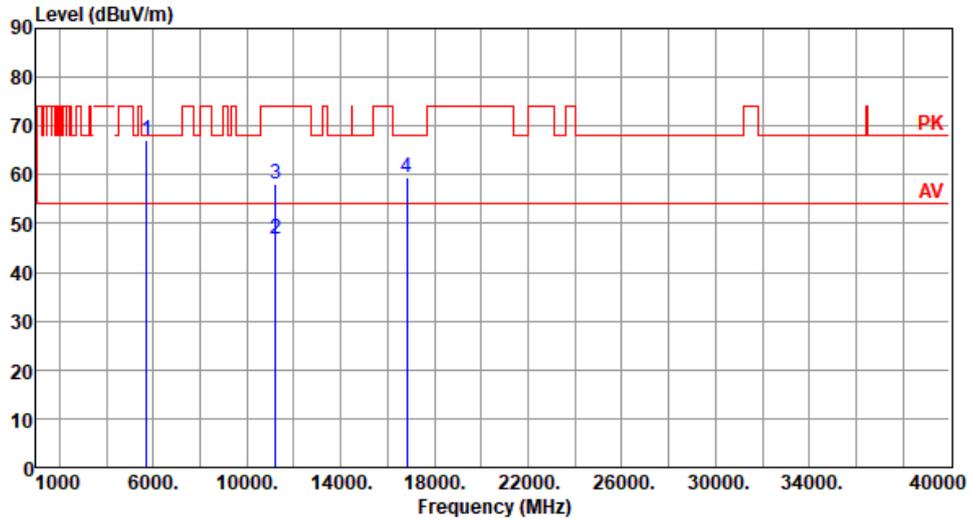
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 64.90 | 68.20 | -3.30 | 57.24 | 7.66 | Peak | 277 | 21 |
| 2 | 11220.00 | 48.45 | 54.00 | -5.55 | 31.93 | 16.52 | Average | 100 | 132 |
| 3 | 11220.00 | 59.48 | 74.00 | -14.52 | 42.96 | 16.52 | Peak | 100 | 132 |
| 4 | 16830.00 | 61.09 | 68.20 | -7.11 | 42.75 | 18.34 | Peak | 100 | 131 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5610 |
| Polarization | Vertical | Test Configuration | 1 |



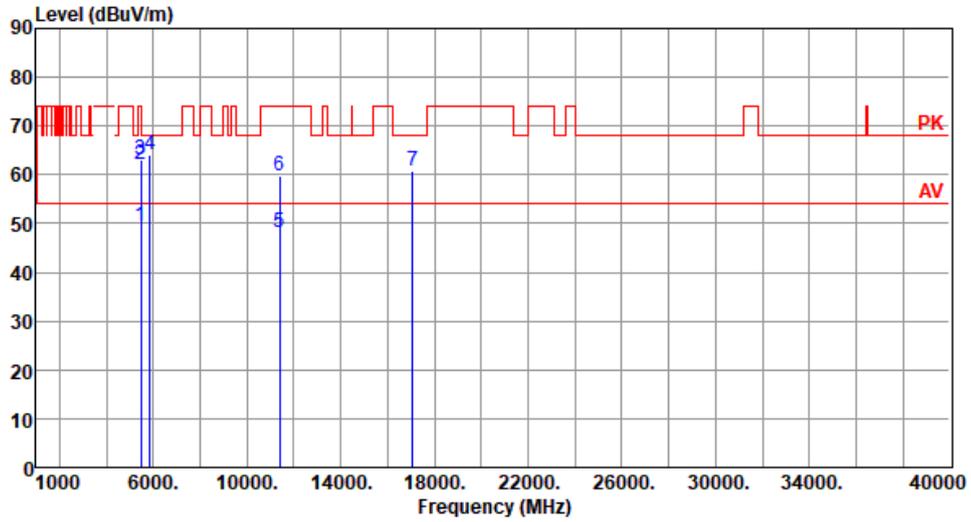
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 66.93 | 68.20 | -1.27 | 59.27 | 7.66 | Peak | 175 | 322 |
| 2 | 11220.00 | 46.77 | 54.00 | -7.23 | 30.25 | 16.52 | Average | 100 | 21 |
| 3 | 11220.00 | 57.96 | 74.00 | -16.04 | 41.44 | 16.52 | Peak | 100 | 21 |
| 4 | 16830.00 | 59.57 | 68.20 | -8.63 | 41.23 | 18.34 | Peak | 100 | 29 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5690 |
| Polarization | Horizontal | Test Configuration | 1 |



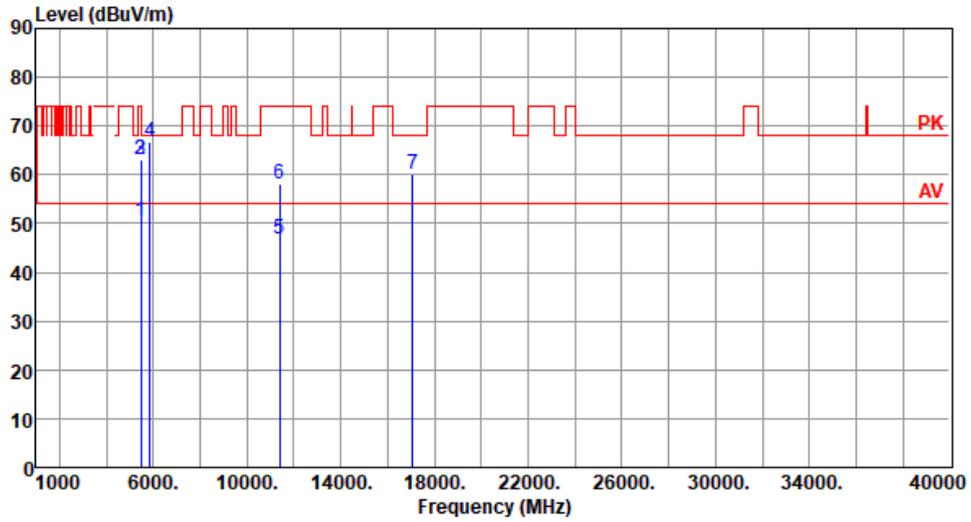
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.36 | 54.00 | -4.64 | 42.11 | 7.25 | Average | 287 | 23 |
| 2 | 5460.00 | 62.24 | 74.00 | -11.76 | 54.99 | 7.25 | Peak | 287 | 23 |
| 3 | 5470.00 | 63.12 | 68.20 | -5.08 | 55.84 | 7.28 | Peak | 287 | 23 |
| 4 | 5850.00 | 64.25 | 68.20 | -3.95 | 56.23 | 8.02 | Peak | 287 | 23 |
| 5 | 11380.00 | 48.19 | 54.00 | -5.81 | 31.51 | 16.68 | Average | 100 | 132 |
| 6 | 11380.00 | 59.63 | 74.00 | -14.37 | 42.95 | 16.68 | Peak | 100 | 132 |
| 7 | 17070.00 | 60.79 | 68.20 | -7.41 | 42.41 | 18.38 | Peak | 100 | 139 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5690 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 50.33 | 54.00 | -3.67 | 43.08 | 7.25 | Average | 184 | 96 |
| 2 | 5460.00 | 63.07 | 74.00 | -10.93 | 55.82 | 7.25 | Peak | 184 | 96 |
| 3 | 5470.00 | 63.22 | 68.20 | -4.98 | 55.94 | 7.28 | Peak | 184 | 96 |
| 4 | 5850.00 | 66.91 | 68.20 | -1.29 | 58.89 | 8.02 | Peak | 184 | 96 |
| 5 | 11380.00 | 46.92 | 54.00 | -7.08 | 30.24 | 16.68 | Average | 100 | 23 |
| 6 | 11380.00 | 58.06 | 74.00 | -15.94 | 41.38 | 16.68 | Peak | 100 | 23 |
| 7 | 17070.00 | 59.96 | 68.20 | -8.24 | 41.58 | 18.38 | Peak | 100 | 28 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

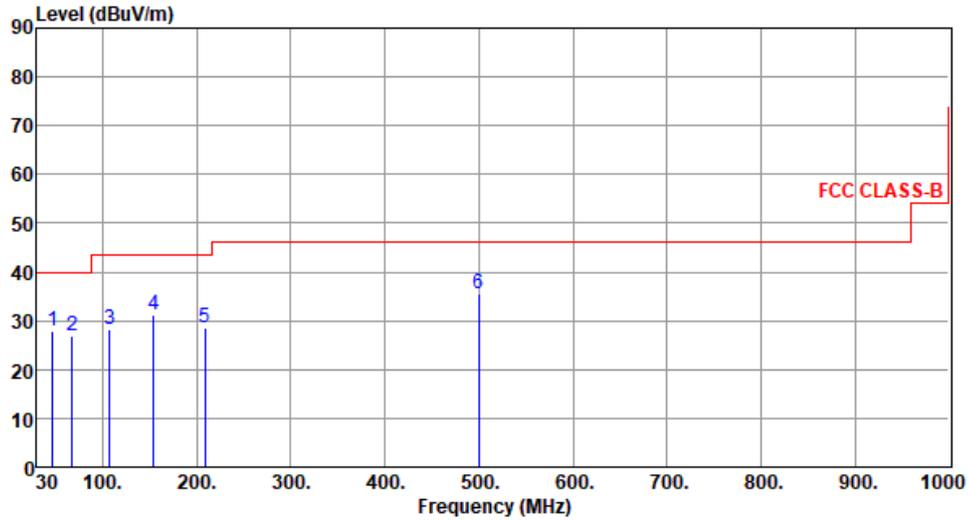
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Beamforming mode

3.5.9 Transmitter Radiated Unwanted Emissions (Below 1GHz)

| | | | |
|--------------|------------|--------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Horizontal | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 46.51 | 27.84 | 40.00 | -12.16 | 36.44 | -8.60 | Peak | --- | --- |
| 2 | 67.79 | 26.78 | 40.00 | -13.22 | 37.07 | -10.29 | Peak | --- | --- |
| 3 | 107.56 | 28.26 | 43.50 | -15.24 | 40.64 | -12.38 | Peak | --- | --- |
| 4 | 154.21 | 31.28 | 43.50 | -12.22 | 39.89 | -8.61 | Peak | --- | --- |
| 5 | 208.51 | 28.54 | 43.50 | -14.96 | 40.59 | -12.05 | Peak | --- | --- |
| 6 | 499.59 | 35.46 | 46.00 | -10.54 | 38.51 | -3.05 | Peak | --- | --- |

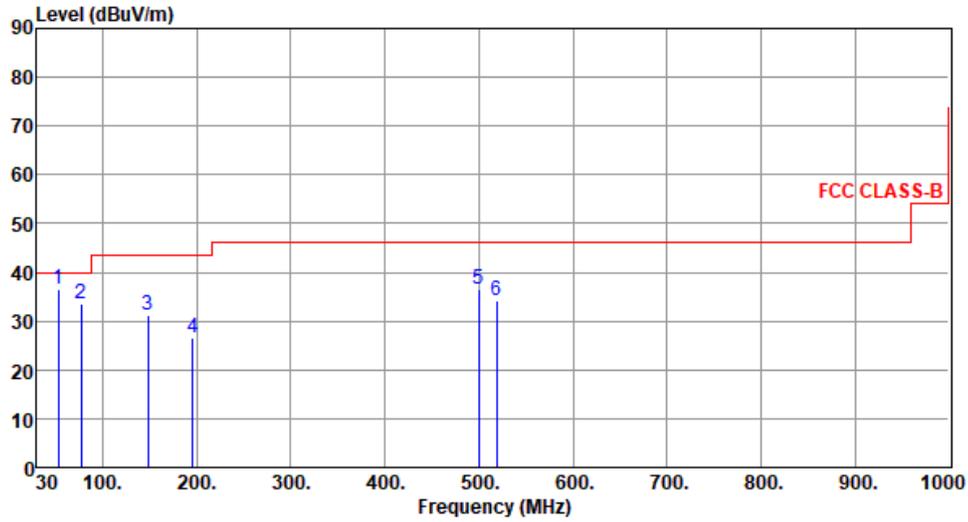
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 52.42 | 36.38 | 40.00 | -3.62 | 45.07 | -8.69 | Peak | --- | --- |
| 2 | 77.49 | 33.45 | 40.00 | -6.55 | 46.31 | -12.86 | Peak | --- | --- |
| 3 | 148.34 | 31.36 | 43.50 | -12.14 | 40.11 | -8.75 | Peak | --- | --- |
| 4 | 195.79 | 26.54 | 43.50 | -16.96 | 38.33 | -11.79 | Peak | --- | --- |
| 5 | 499.44 | 36.56 | 46.00 | -9.44 | 39.61 | -3.05 | Peak | --- | --- |
| 6 | 518.65 | 34.28 | 46.00 | -11.72 | 36.88 | -2.60 | Peak | --- | --- |

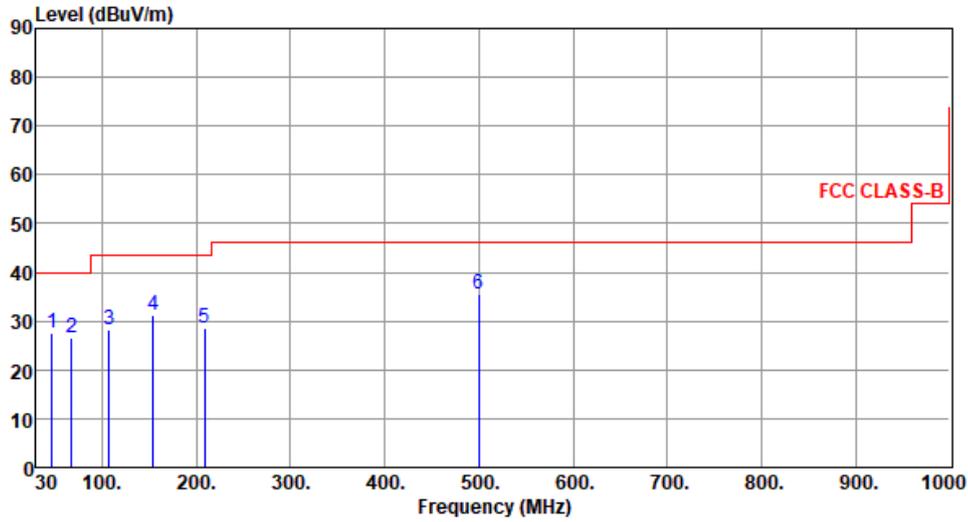
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Horizontal | Test Configuration | 2 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 46.48 | 27.69 | 40.00 | -12.31 | 36.29 | -8.60 | Peak | --- | --- |
| 2 | 67.68 | 26.68 | 40.00 | -13.32 | 36.97 | -10.29 | Peak | --- | --- |
| 3 | 107.45 | 28.27 | 43.50 | -15.23 | 40.66 | -12.39 | Peak | --- | --- |
| 4 | 154.31 | 31.38 | 43.50 | -12.12 | 39.98 | -8.60 | Peak | --- | --- |
| 5 | 208.49 | 28.61 | 43.50 | -14.89 | 40.66 | -12.05 | Peak | --- | --- |
| 6 | 499.48 | 35.54 | 46.00 | -10.46 | 38.59 | -3.05 | Peak | --- | --- |

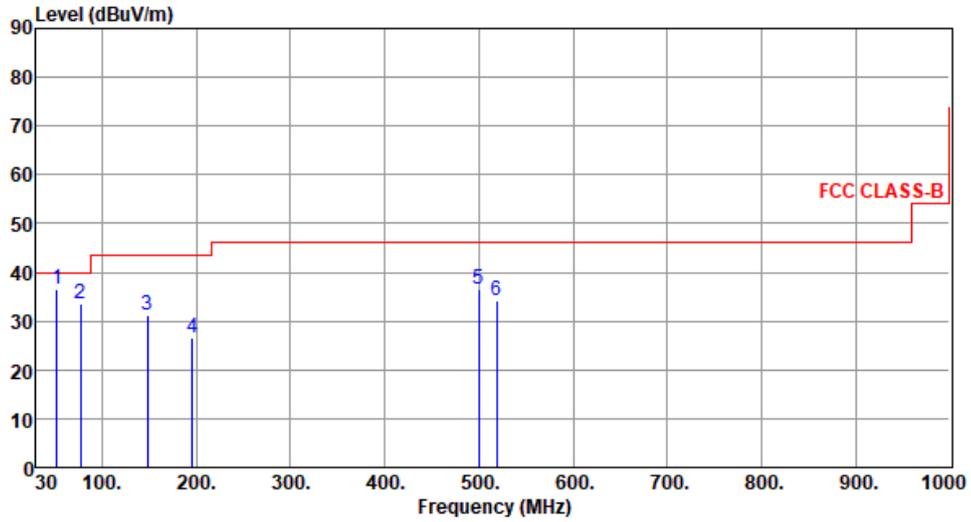
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Vertical | Test Configuration | 2 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 52.31 | 36.48 | 40.00 | -3.52 | 45.18 | -8.70 | Peak | --- | --- |
| 2 | 77.51 | 33.53 | 40.00 | -6.47 | 46.38 | -12.85 | Peak | --- | --- |
| 3 | 148.51 | 31.17 | 43.50 | -12.33 | 39.92 | -8.75 | Peak | --- | --- |
| 4 | 195.85 | 26.48 | 43.50 | -17.02 | 38.27 | -11.79 | Peak | --- | --- |
| 5 | 499.51 | 36.54 | 46.00 | -9.46 | 39.59 | -3.05 | Peak | --- | --- |
| 6 | 518.63 | 34.35 | 46.00 | -11.65 | 36.95 | -2.60 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

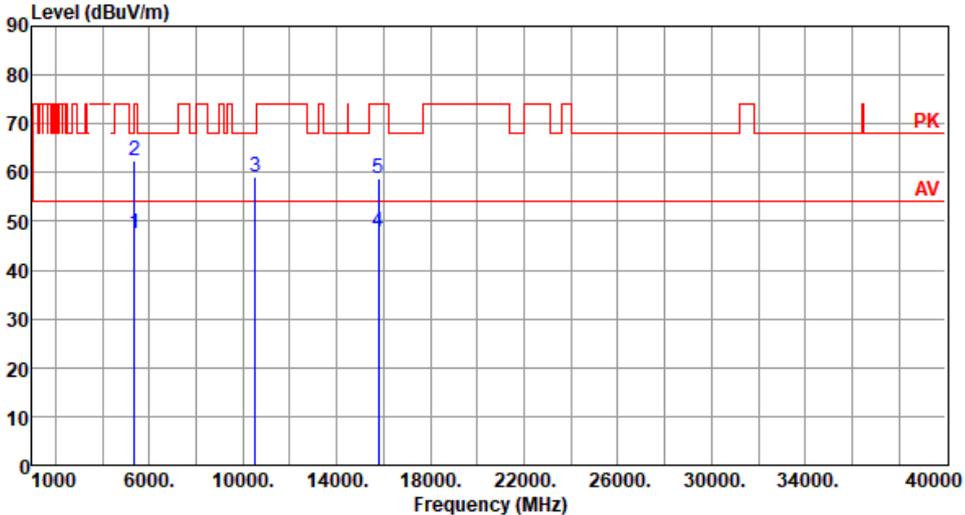
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.5.10 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

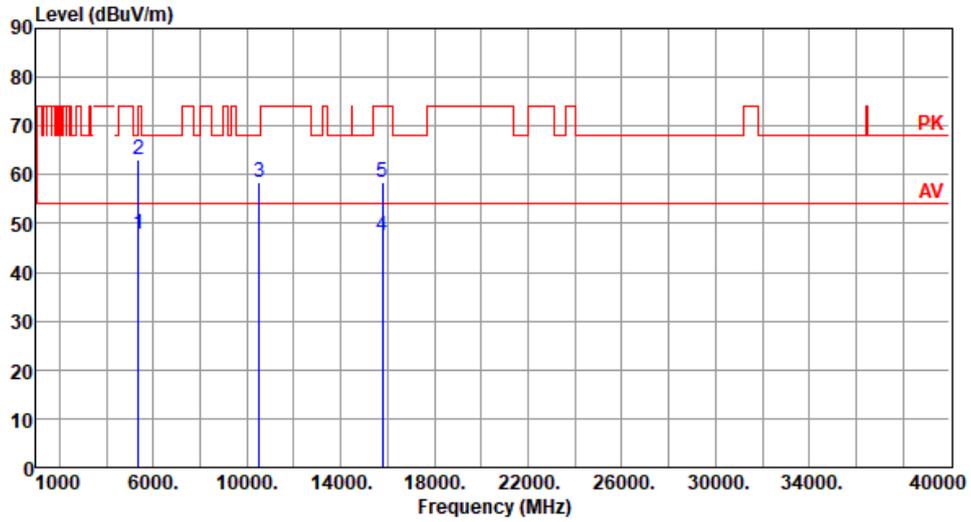
| Modulation | VHT20 | Test Freq. (MHz) | 5260 |
|--------------|------------|--------------------|------|
| Polarization | Horizontal | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 47.51 | 54.00 | -6.49 | 40.66 | 6.85 | Average | 255 | 25 |
| 2 | 5350.00 | 62.43 | 74.00 | -11.57 | 55.58 | 6.85 | Peak | 255 | 25 |
| 3 | 10520.00 | 59.27 | 68.20 | -8.93 | 42.85 | 16.42 | Peak | 100 | 103 |
| 4 | 15780.00 | 47.89 | 54.00 | -6.11 | 31.33 | 16.56 | Average | 100 | 105 |
| 5 | 15780.00 | 58.92 | 74.00 | -15.08 | 42.36 | 16.56 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5260 |
| Polarization | Vertical | Test Configuration | 1 |



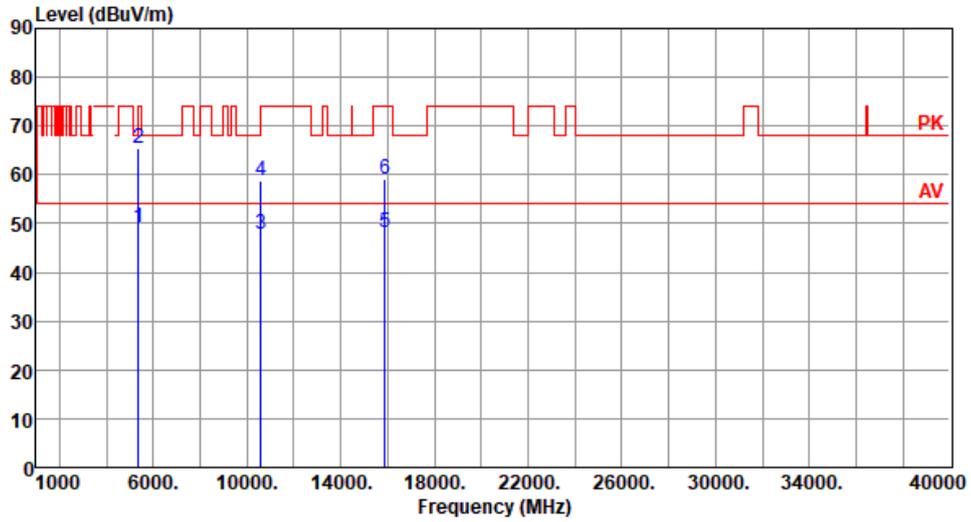
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 47.98 | 54.00 | -6.02 | 41.13 | 6.85 | Average | 195 | 104 |
| 2 | 5350.00 | 63.03 | 74.00 | -10.97 | 56.18 | 6.85 | Peak | 195 | 104 |
| 3 | 10520.00 | 58.30 | 68.20 | -9.90 | 41.88 | 16.42 | Peak | 100 | 50 |
| 4 | 15780.00 | 47.54 | 54.00 | -6.46 | 30.98 | 16.56 | Average | 100 | 56 |
| 5 | 15780.00 | 58.29 | 74.00 | -15.71 | 41.73 | 16.56 | Peak | 100 | 56 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5300 |
| Polarization | Horizontal | Test Configuration | 1 |



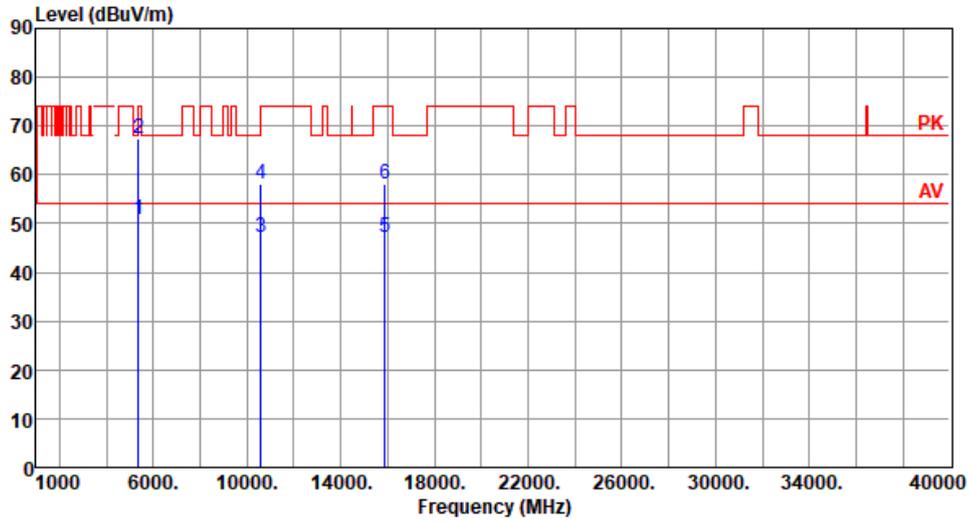
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 49.10 | 54.00 | -4.90 | 42.25 | 6.85 | Average | 288 | 24 |
| 2 | 5350.00 | 65.43 | 74.00 | -8.57 | 58.58 | 6.85 | Peak | 288 | 24 |
| 3 | 10600.00 | 47.94 | 54.00 | -6.06 | 31.58 | 16.36 | Average | 100 | 108 |
| 4 | 10600.00 | 58.73 | 74.00 | -15.27 | 42.37 | 16.36 | Peak | 100 | 108 |
| 5 | 15900.00 | 48.08 | 54.00 | -5.92 | 31.39 | 16.69 | Average | 100 | 101 |
| 6 | 15900.00 | 59.13 | 74.00 | -14.87 | 42.44 | 16.69 | Peak | 100 | 101 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5300 |
| Polarization | Vertical | Test Configuration | 1 |



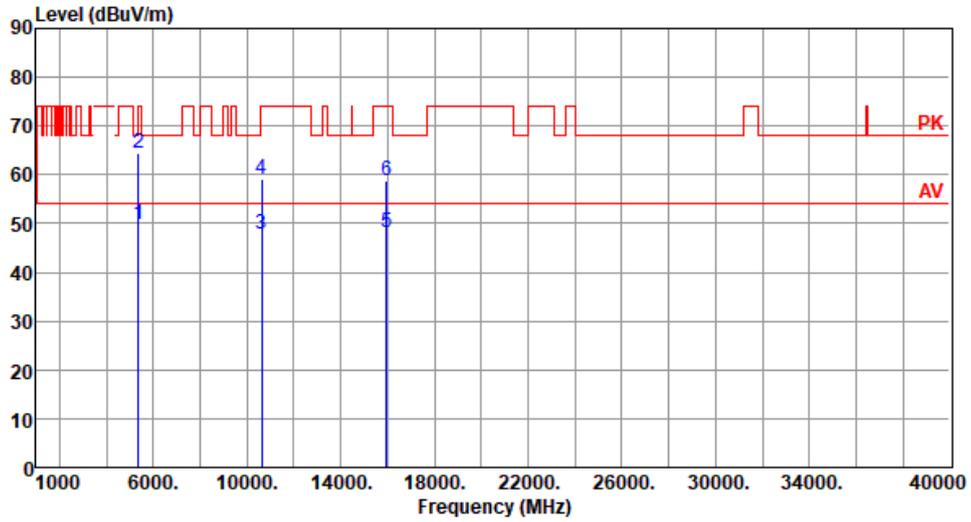
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 50.77 | 54.00 | -3.23 | 43.92 | 6.85 | Average | 187 | 99 |
| 2 | 5350.00 | 67.46 | 74.00 | -6.54 | 60.61 | 6.85 | Peak | 187 | 99 |
| 3 | 10600.00 | 47.02 | 54.00 | -6.98 | 30.66 | 16.36 | Average | 100 | 58 |
| 4 | 10600.00 | 58.23 | 74.00 | -15.77 | 41.87 | 16.36 | Peak | 100 | 58 |
| 5 | 15900.00 | 47.02 | 54.00 | -6.98 | 30.33 | 16.69 | Average | 100 | 51 |
| 6 | 15900.00 | 58.27 | 74.00 | -15.73 | 41.58 | 16.69 | Peak | 100 | 51 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5320 |
| Polarization | Horizontal | Test Configuration | 1 |



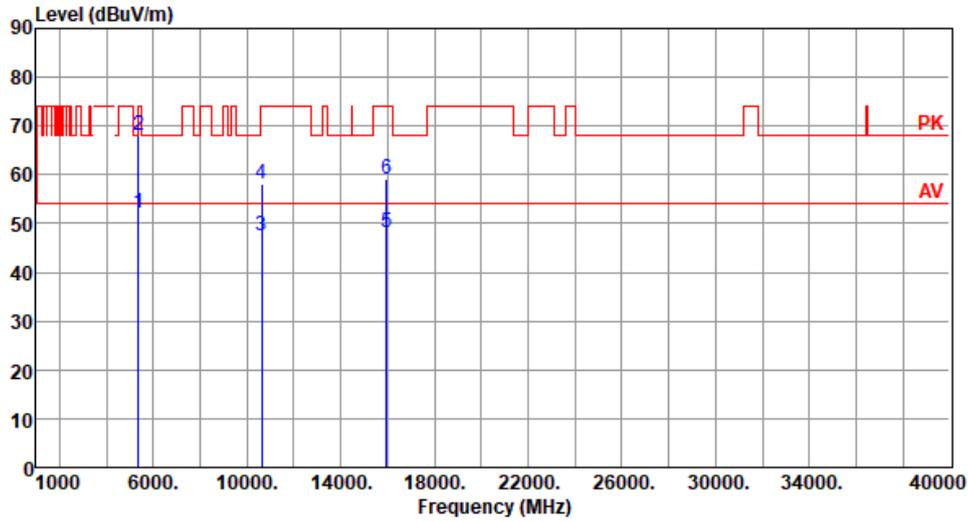
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 49.70 | 54.00 | -4.30 | 42.85 | 6.85 | Average | 207 | 27 |
| 2 | 5350.00 | 64.43 | 74.00 | -9.57 | 57.58 | 6.85 | Peak | 207 | 27 |
| 3 | 10640.00 | 47.94 | 54.00 | -6.06 | 31.57 | 16.37 | Average | 100 | 100 |
| 4 | 10640.00 | 59.22 | 74.00 | -14.78 | 42.85 | 16.37 | Peak | 100 | 100 |
| 5 | 15960.00 | 48.08 | 54.00 | -5.92 | 31.55 | 16.53 | Average | 100 | 105 |
| 6 | 15960.00 | 58.89 | 74.00 | -15.11 | 42.36 | 16.53 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5320 |
| Polarization | Vertical | Test Configuration | 1 |



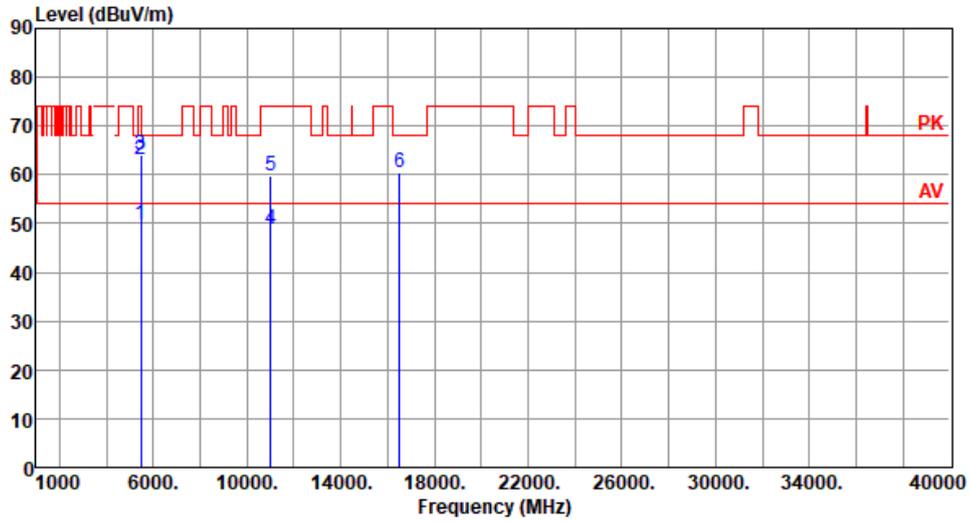
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 52.11 | 54.00 | -1.89 | 45.26 | 6.85 | Average | 209 | 122 |
| 2 | 5350.00 | 68.13 | 74.00 | -5.87 | 61.28 | 6.85 | Peak | 209 | 122 |
| 3 | 10640.00 | 47.60 | 54.00 | -6.40 | 31.23 | 16.37 | Average | 100 | 30 |
| 4 | 10640.00 | 57.96 | 74.00 | -16.04 | 41.59 | 16.37 | Peak | 100 | 30 |
| 5 | 15960.00 | 48.11 | 54.00 | -5.89 | 31.58 | 16.53 | Average | 100 | 50 |
| 6 | 15960.00 | 59.12 | 74.00 | -14.88 | 42.59 | 16.53 | Peak | 100 | 50 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5500 |
| Polarization | Horizontal | Test Configuration | 1 |



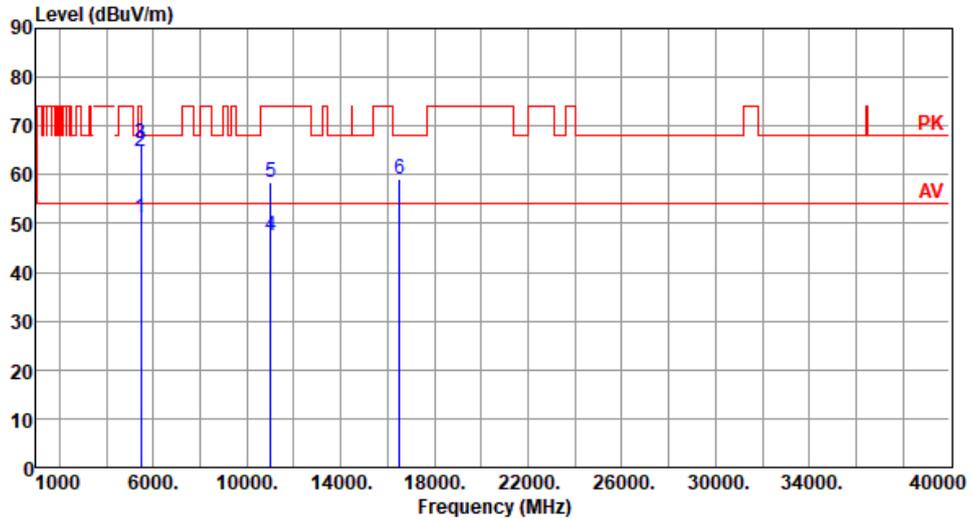
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.84 | 54.00 | -4.16 | 42.59 | 7.25 | Average | 281 | 24 |
| 2 | 5460.00 | 63.10 | 74.00 | -10.90 | 55.85 | 7.25 | Peak | 281 | 24 |
| 3 | 5470.00 | 64.16 | 68.20 | -4.04 | 56.88 | 7.28 | Peak | 281 | 24 |
| 4 | 11000.00 | 48.83 | 54.00 | -5.17 | 31.99 | 16.84 | Average | 100 | 103 |
| 5 | 11000.00 | 59.84 | 74.00 | -14.16 | 43.00 | 16.84 | Peak | 100 | 103 |
| 6 | 16500.00 | 60.52 | 68.20 | -7.68 | 42.88 | 17.64 | Peak | 100 | 102 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5500 |
| Polarization | Vertical | Test Configuration | 1 |



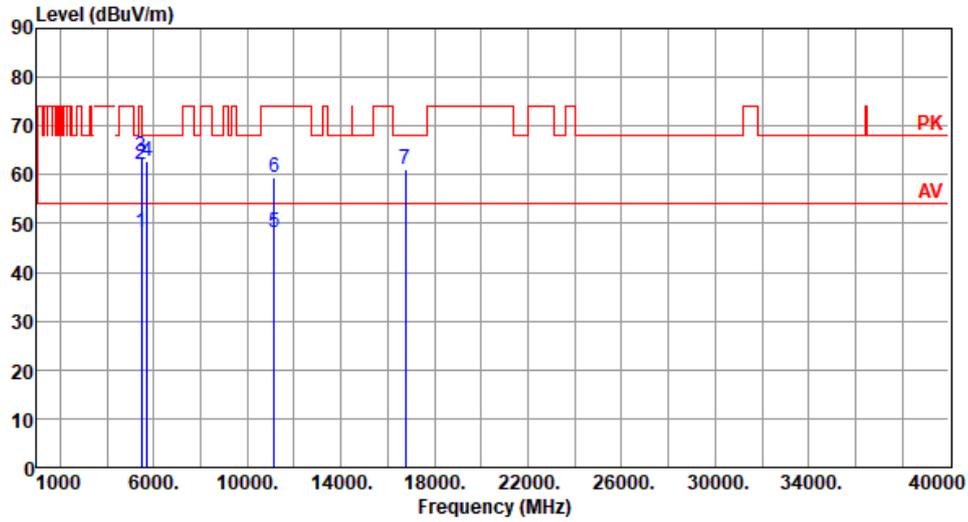
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 51.09 | 54.00 | -2.91 | 43.84 | 7.25 | Average | 186 | 95 |
| 2 | 5460.00 | 64.73 | 74.00 | -9.27 | 57.48 | 7.25 | Peak | 186 | 95 |
| 3 | 5470.00 | 66.56 | 68.20 | -1.64 | 59.28 | 7.28 | Peak | 186 | 95 |
| 4 | 11000.00 | 47.47 | 54.00 | -6.53 | 30.63 | 16.84 | Average | 100 | 52 |
| 5 | 11000.00 | 58.34 | 74.00 | -15.66 | 41.50 | 16.84 | Peak | 100 | 52 |
| 6 | 16500.00 | 58.97 | 68.20 | -9.23 | 41.33 | 17.64 | Peak | 100 | 53 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5580 |
| Polarization | Horizontal | Test Configuration | 1 |



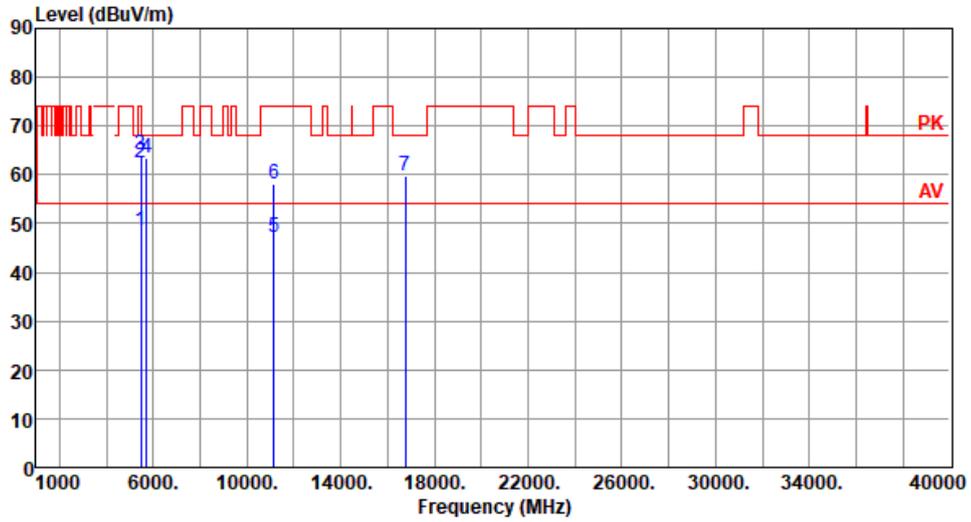
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 48.30 | 54.00 | -5.70 | 41.05 | 7.25 | Average | 263 | 23 |
| 2 | 5460.00 | 62.25 | 74.00 | -11.75 | 55.00 | 7.25 | Peak | 263 | 23 |
| 3 | 5470.00 | 63.86 | 68.20 | -4.34 | 56.58 | 7.28 | Peak | 263 | 23 |
| 4 | 5725.00 | 62.90 | 68.20 | -5.30 | 55.24 | 7.66 | Peak | 263 | 23 |
| 5 | 11160.00 | 48.17 | 54.00 | -5.83 | 31.58 | 16.59 | Average | 100 | 107 |
| 6 | 11160.00 | 59.49 | 74.00 | -14.51 | 42.90 | 16.59 | Peak | 100 | 107 |
| 7 | 16740.00 | 61.08 | 68.20 | -7.12 | 42.85 | 18.23 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5580 |
| Polarization | Vertical | Test Configuration | 1 |



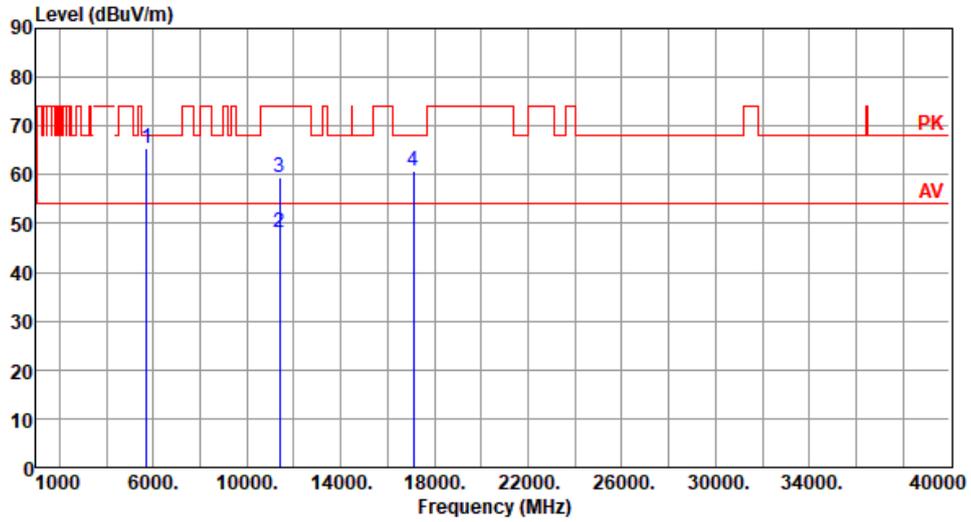
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 48.50 | 54.00 | -5.50 | 41.25 | 7.25 | Average | 177 | 95 |
| 2 | 5460.00 | 62.40 | 74.00 | -11.60 | 55.15 | 7.25 | Peak | 177 | 95 |
| 3 | 5470.00 | 64.13 | 68.20 | -4.07 | 56.85 | 7.28 | Peak | 177 | 95 |
| 4 | 5725.00 | 63.31 | 68.20 | -4.89 | 55.65 | 7.66 | Peak | 177 | 95 |
| 5 | 11160.00 | 47.12 | 54.00 | -6.88 | 30.53 | 16.59 | Average | 100 | 70 |
| 6 | 11160.00 | 58.15 | 74.00 | -15.85 | 41.56 | 16.59 | Peak | 100 | 70 |
| 7 | 16740.00 | 59.76 | 68.20 | -8.44 | 41.53 | 18.23 | Peak | 100 | 50 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5700 |
| Polarization | Horizontal | Test Configuration | 1 |



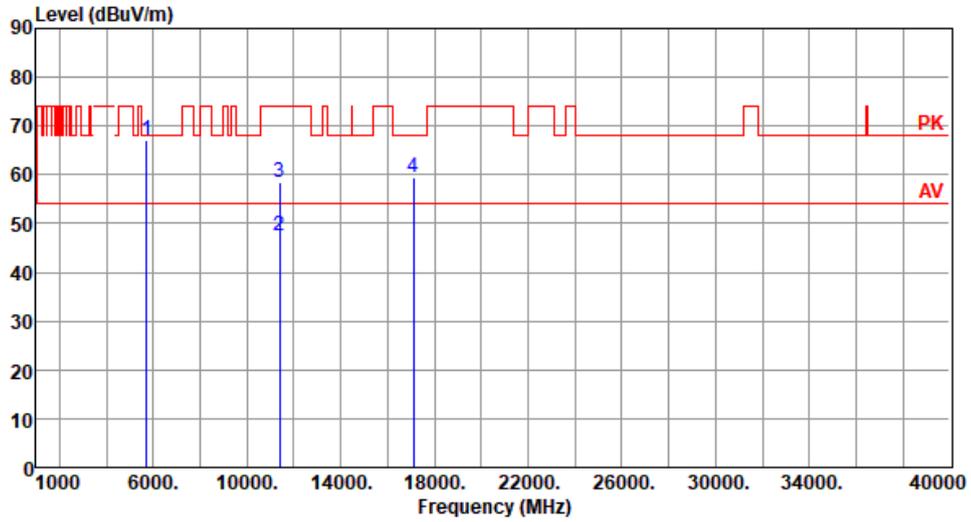
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 65.50 | 68.20 | -2.70 | 57.84 | 7.66 | Peak | 241 | 23 |
| 2 | 11400.00 | 48.29 | 54.00 | -5.71 | 31.56 | 16.73 | Average | 100 | 107 |
| 3 | 11400.00 | 59.60 | 74.00 | -14.40 | 42.87 | 16.73 | Peak | 100 | 107 |
| 4 | 17100.00 | 60.87 | 68.20 | -7.33 | 42.63 | 18.24 | Peak | 100 | 104 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5700 |
| Polarization | Vertical | Test Configuration | 1 |



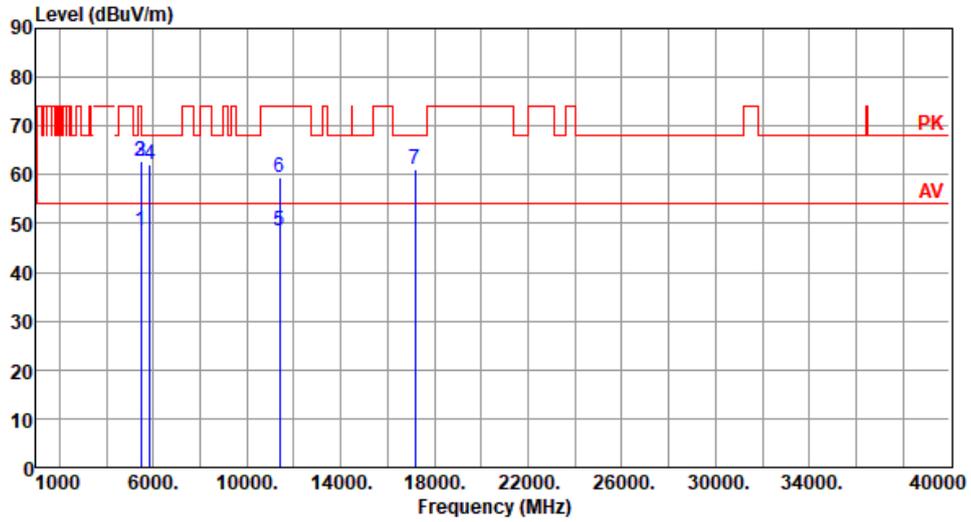
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 66.99 | 68.20 | -1.21 | 59.33 | 7.66 | Peak | 185 | 256 |
| 2 | 11400.00 | 47.35 | 54.00 | -6.65 | 30.62 | 16.73 | Average | 100 | 52 |
| 3 | 11400.00 | 58.60 | 74.00 | -15.40 | 41.87 | 16.73 | Peak | 100 | 52 |
| 4 | 17100.00 | 59.60 | 68.20 | -8.60 | 41.36 | 18.24 | Peak | 100 | 53 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5720 |
| Polarization | Horizontal | Test Configuration | 1 |



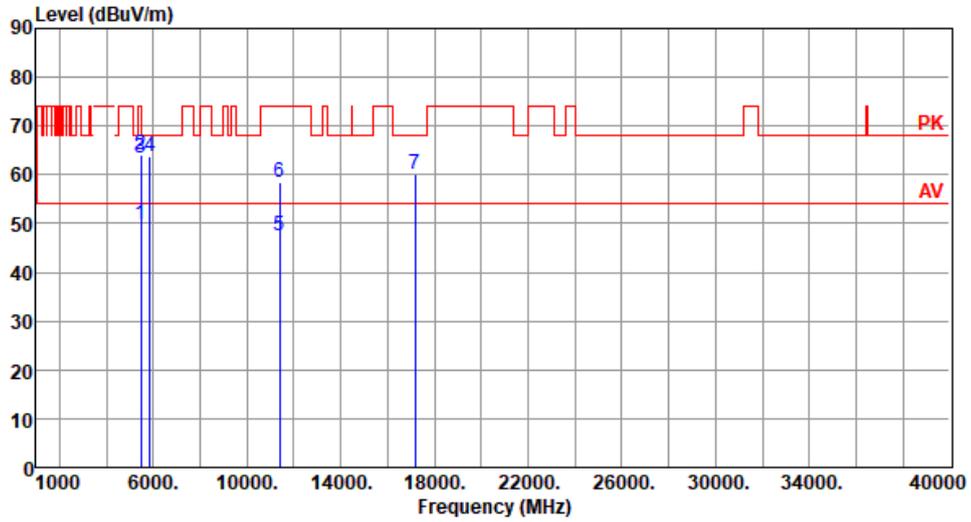
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 48.50 | 54.00 | -5.50 | 41.25 | 7.25 | Average | 282 | 22 |
| 2 | 5460.00 | 62.81 | 74.00 | -11.19 | 55.56 | 7.25 | Peak | 282 | 22 |
| 3 | 5470.00 | 62.65 | 68.20 | -5.55 | 55.37 | 7.28 | Peak | 282 | 22 |
| 4 | 5850.00 | 62.23 | 68.20 | -5.97 | 54.21 | 8.02 | Peak | 282 | 22 |
| 5 | 11400.00 | 48.60 | 54.00 | -5.40 | 31.87 | 16.73 | Average | 100 | 108 |
| 6 | 11400.00 | 59.58 | 74.00 | -14.42 | 42.85 | 16.73 | Peak | 100 | 108 |
| 7 | 17160.00 | 60.95 | 68.20 | -7.25 | 42.57 | 18.38 | Peak | 100 | 104 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5720 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.91 | 54.00 | -4.09 | 42.66 | 7.25 | Average | 192 | 103 |
| 2 | 5460.00 | 63.94 | 74.00 | -10.06 | 56.69 | 7.25 | Peak | 192 | 103 |
| 3 | 5470.00 | 63.32 | 68.20 | -4.88 | 56.04 | 7.28 | Peak | 192 | 103 |
| 4 | 5850.00 | 63.90 | 68.20 | -4.30 | 55.88 | 8.02 | Peak | 192 | 103 |
| 5 | 11400.00 | 47.41 | 54.00 | -6.59 | 30.68 | 16.73 | Average | 100 | 57 |
| 6 | 11400.00 | 58.60 | 74.00 | -15.40 | 41.87 | 16.73 | Peak | 100 | 57 |
| 7 | 17160.00 | 60.00 | 68.20 | -8.20 | 41.62 | 18.38 | Peak | 100 | 52 |

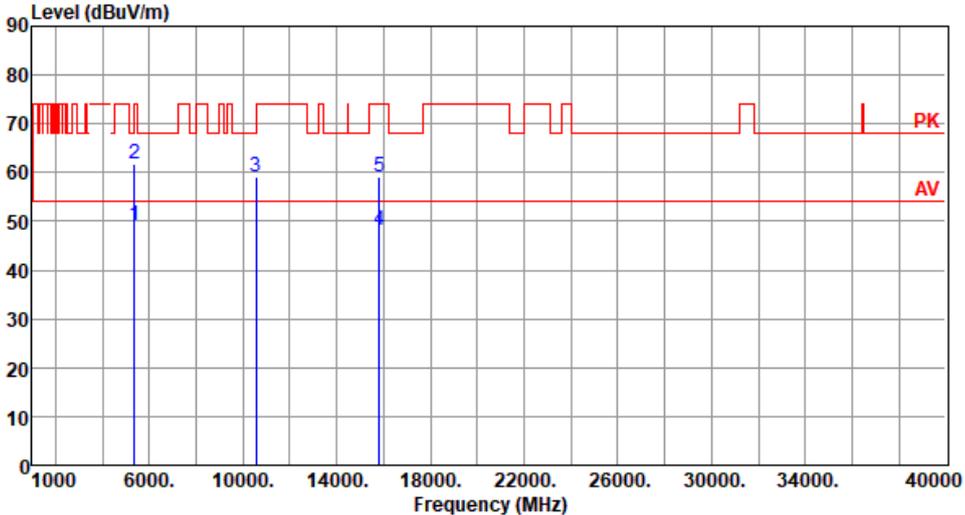
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.11 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

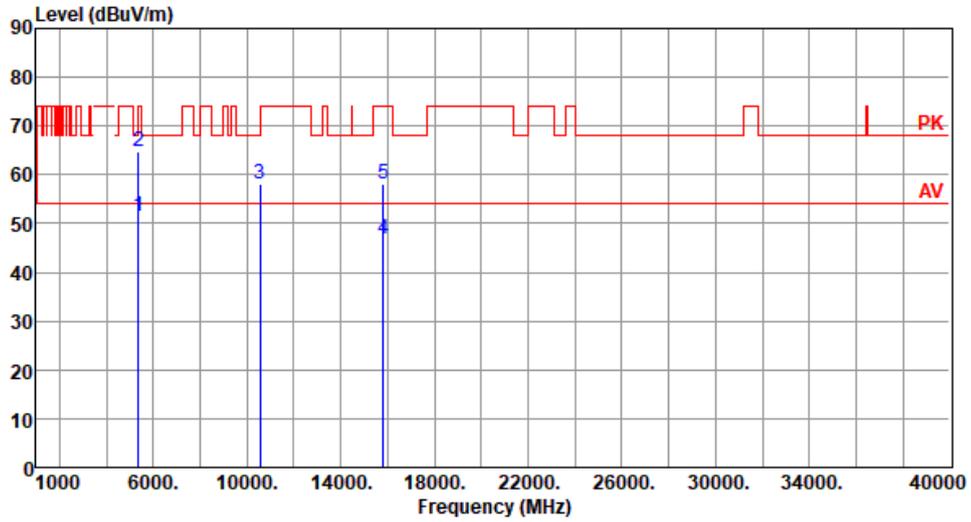
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
|--------------|------------|--------------------|------|
| Polarization | Horizontal | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 49.11 | 54.00 | -4.89 | 42.26 | 6.85 | Average | 239 | 21 |
| 2 | 5350.00 | 61.73 | 74.00 | -12.27 | 54.88 | 6.85 | Peak | 239 | 21 |
| 3 | 10540.00 | 58.99 | 68.20 | -9.21 | 42.58 | 16.41 | Peak | 100 | 105 |
| 4 | 15810.00 | 48.14 | 54.00 | -5.86 | 31.58 | 16.56 | Average | 100 | 106 |
| 5 | 15810.00 | 59.22 | 74.00 | -14.78 | 42.66 | 16.56 | Peak | 100 | 106 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5270 |
| Polarization | Vertical | Test Configuration | 1 |



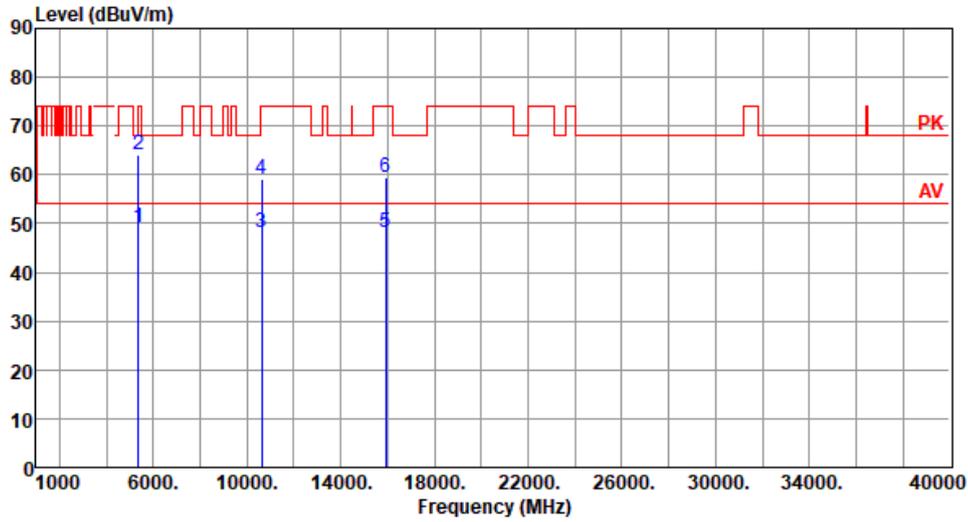
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 51.34 | 54.00 | -2.66 | 44.49 | 6.85 | Average | 218 | 96 |
| 2 | 5350.00 | 64.70 | 74.00 | -9.30 | 57.85 | 6.85 | Peak | 218 | 96 |
| 3 | 10540.00 | 58.26 | 68.20 | -9.94 | 41.85 | 16.41 | Peak | 100 | 55 |
| 4 | 15810.00 | 46.89 | 54.00 | -7.11 | 30.33 | 16.56 | Average | 100 | 56 |
| 5 | 15810.00 | 58.22 | 74.00 | -15.78 | 41.66 | 16.56 | Peak | 100 | 56 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5310 |
| Polarization | Horizontal | Test Configuration | 1 |



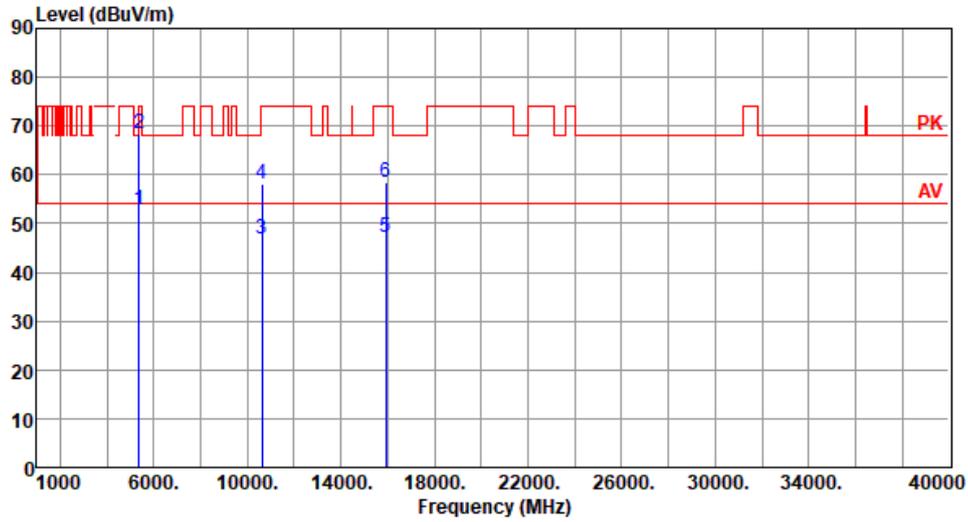
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 49.10 | 54.00 | -4.90 | 42.25 | 6.85 | Average | 284 | 21 |
| 2 | 5350.00 | 64.10 | 74.00 | -9.90 | 57.25 | 6.85 | Peak | 284 | 21 |
| 3 | 10620.00 | 48.02 | 54.00 | -5.98 | 31.65 | 16.37 | Average | 100 | 108 |
| 4 | 10620.00 | 59.21 | 74.00 | -14.79 | 42.84 | 16.37 | Peak | 100 | 108 |
| 5 | 15930.00 | 48.18 | 54.00 | -5.82 | 31.57 | 16.61 | Average | 100 | 110 |
| 6 | 15930.00 | 59.38 | 74.00 | -14.62 | 42.77 | 16.61 | Peak | 100 | 110 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5310 |
| Polarization | Vertical | Test Configuration | 1 |



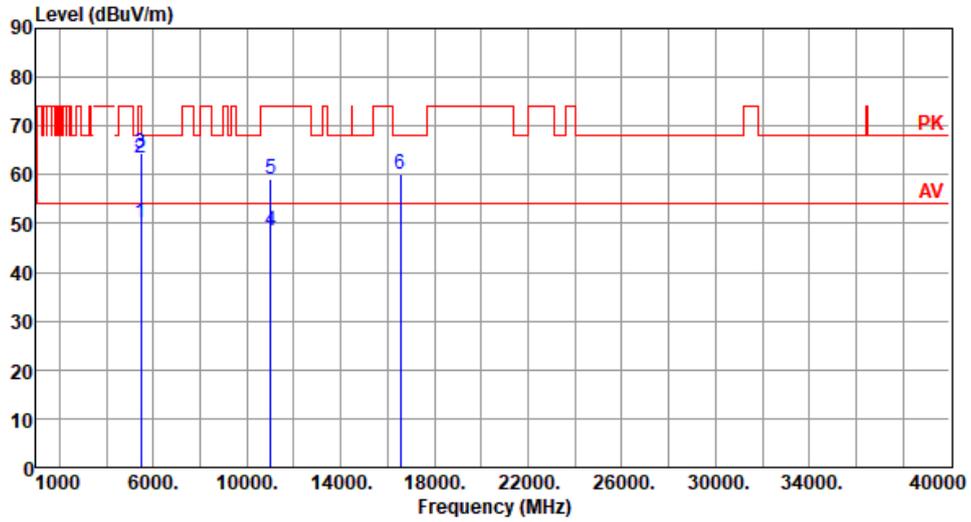
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 52.68 | 54.00 | -1.32 | 45.83 | 6.85 | Average | 193 | 10 |
| 2 | 5350.00 | 68.30 | 74.00 | -5.70 | 61.45 | 6.85 | Peak | 193 | 10 |
| 3 | 10620.00 | 46.94 | 54.00 | -7.06 | 30.57 | 16.37 | Average | 100 | 57 |
| 4 | 10620.00 | 58.13 | 74.00 | -15.87 | 41.76 | 16.37 | Peak | 100 | 57 |
| 5 | 15930.00 | 47.00 | 54.00 | -7.00 | 30.39 | 16.61 | Average | 100 | 55 |
| 6 | 15930.00 | 58.44 | 74.00 | -15.56 | 41.83 | 16.61 | Peak | 100 | 55 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5510 |
| Polarization | Horizontal | Test Configuration | 1 |



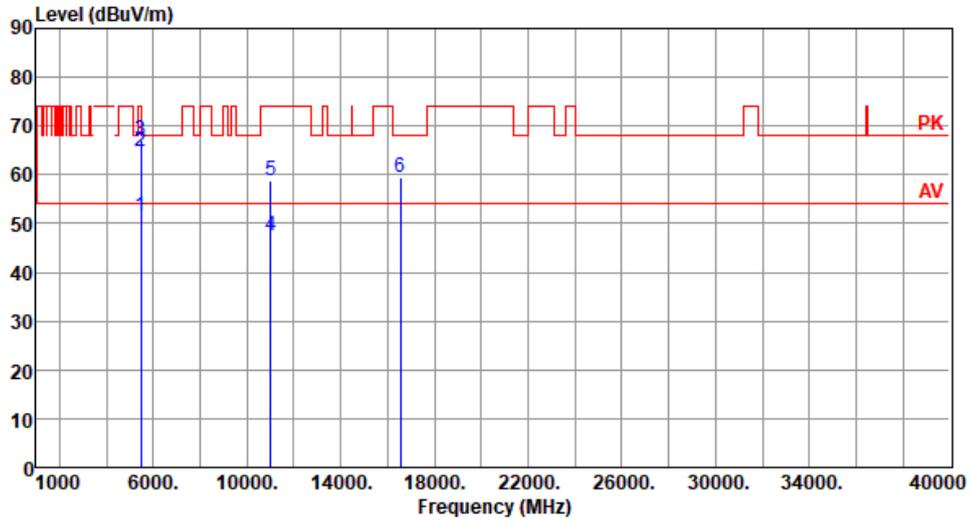
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 50.11 | 54.00 | -3.89 | 42.86 | 7.25 | Average | 207 | 23 |
| 2 | 5460.00 | 63.57 | 74.00 | -10.43 | 56.32 | 7.25 | Peak | 207 | 23 |
| 3 | 5470.00 | 64.51 | 68.20 | -3.69 | 57.23 | 7.28 | Peak | 207 | 23 |
| 4 | 11020.00 | 48.44 | 54.00 | -5.56 | 31.63 | 16.81 | Average | 100 | 107 |
| 5 | 11020.00 | 59.17 | 74.00 | -14.83 | 42.36 | 16.81 | Peak | 100 | 107 |
| 6 | 16530.00 | 60.08 | 68.20 | -8.12 | 42.25 | 17.83 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5510 |
| Polarization | Vertical | Test Configuration | 1 |



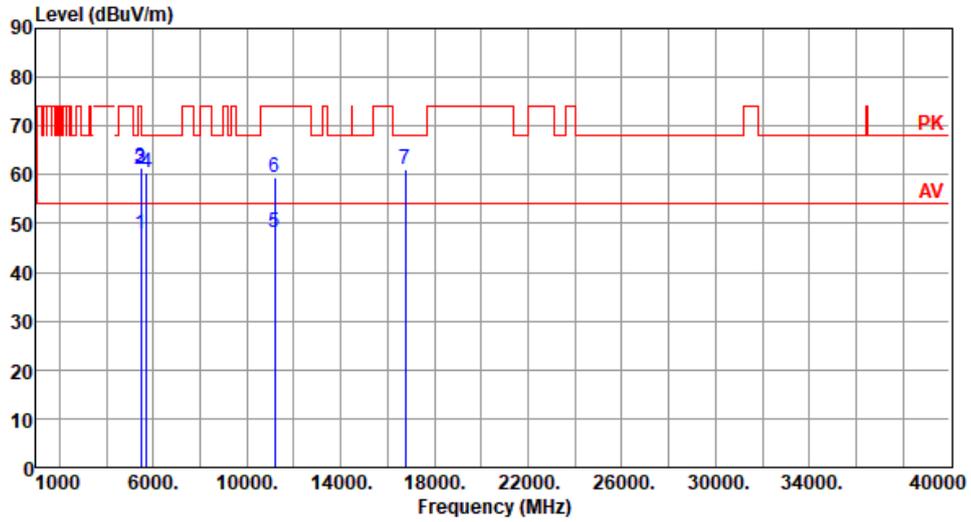
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 51.37 | 54.00 | -2.63 | 44.12 | 7.25 | Average | 202 | 327 |
| 2 | 5460.00 | 64.84 | 74.00 | -9.16 | 57.59 | 7.25 | Peak | 202 | 327 |
| 3 | 5470.00 | 66.99 | 68.20 | -1.21 | 59.71 | 7.28 | Peak | 202 | 327 |
| 4 | 11020.00 | 47.50 | 54.00 | -6.50 | 30.69 | 16.81 | Average | 100 | 51 |
| 5 | 11020.00 | 58.66 | 74.00 | -15.34 | 41.85 | 16.81 | Peak | 100 | 51 |
| 6 | 16530.00 | 59.60 | 68.20 | -8.60 | 41.77 | 17.83 | Peak | 100 | 52 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5590 |
| Polarization | Horizontal | Test Configuration | 1 |



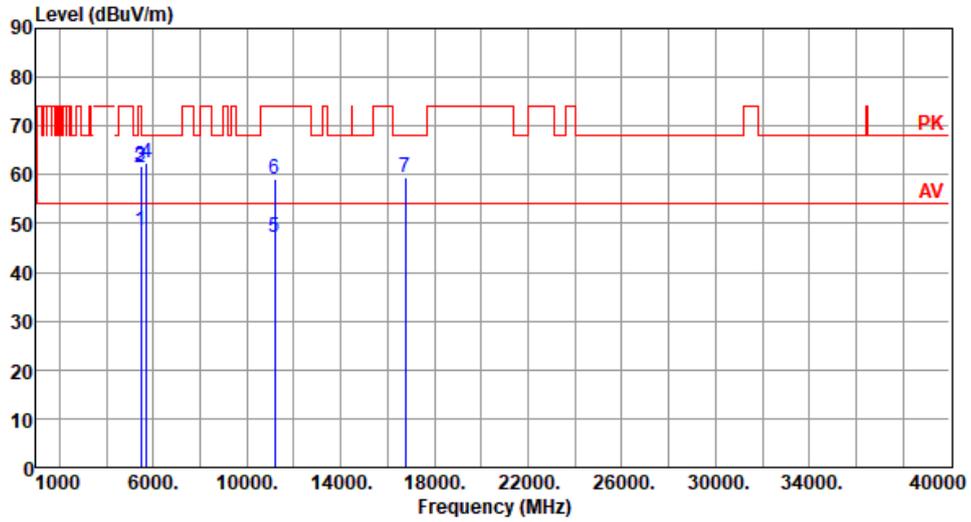
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 47.85 | 54.00 | -6.15 | 40.60 | 7.25 | Average | 208 | 30 |
| 2 | 5460.00 | 61.25 | 74.00 | -12.75 | 54.00 | 7.25 | Peak | 208 | 30 |
| 3 | 5470.00 | 61.48 | 68.20 | -6.72 | 54.20 | 7.28 | Peak | 208 | 30 |
| 4 | 5725.00 | 60.55 | 68.20 | -7.65 | 52.89 | 7.66 | Peak | 208 | 30 |
| 5 | 11180.00 | 48.14 | 54.00 | -5.86 | 31.58 | 16.56 | Average | 100 | 107 |
| 6 | 11180.00 | 59.53 | 74.00 | -14.47 | 42.97 | 16.56 | Peak | 100 | 107 |
| 7 | 16770.00 | 61.06 | 68.20 | -7.14 | 42.83 | 18.23 | Peak | 100 | 102 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5590 |
| Polarization | Vertical | Test Configuration | 1 |



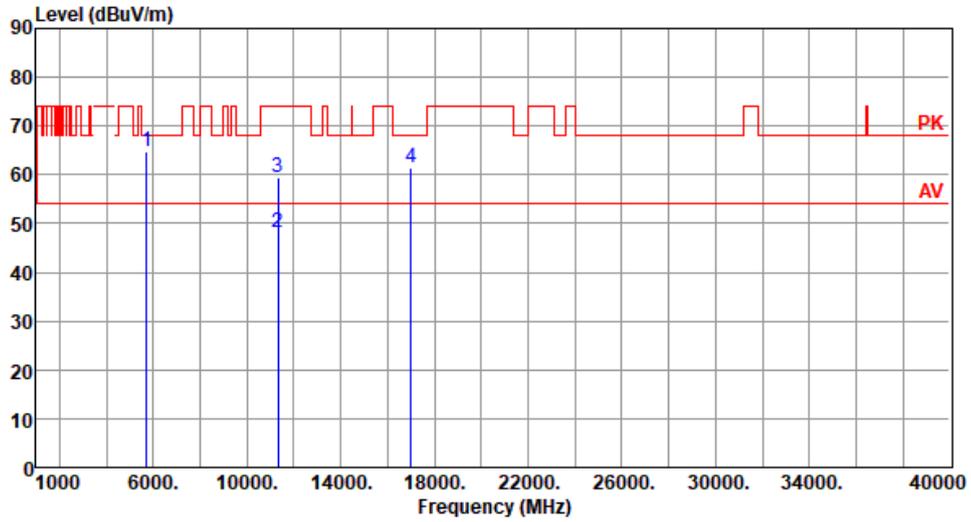
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 48.51 | 54.00 | -5.49 | 41.26 | 7.25 | Average | 184 | 110 |
| 2 | 5460.00 | 61.51 | 74.00 | -12.49 | 54.26 | 7.25 | Peak | 184 | 110 |
| 3 | 5470.00 | 61.87 | 68.20 | -6.33 | 54.59 | 7.28 | Peak | 184 | 110 |
| 4 | 5725.00 | 62.50 | 68.20 | -5.70 | 54.84 | 7.66 | Peak | 184 | 110 |
| 5 | 11180.00 | 47.25 | 54.00 | -6.75 | 30.69 | 16.56 | Average | 100 | 51 |
| 6 | 11180.00 | 59.19 | 74.00 | -14.81 | 42.63 | 16.56 | Peak | 100 | 51 |
| 7 | 16770.00 | 59.56 | 68.20 | -8.64 | 41.33 | 18.23 | Peak | 100 | 52 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5670 |
| Polarization | Horizontal | Test Configuration | 1 |



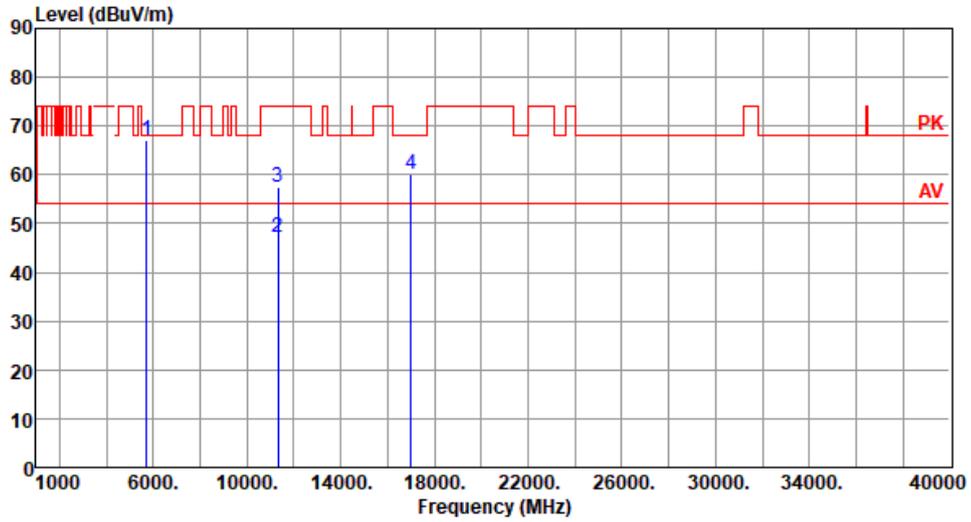
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 64.90 | 68.20 | -3.30 | 57.24 | 7.66 | Peak | 209 | 29 |
| 2 | 11340.00 | 48.16 | 54.00 | -5.84 | 31.58 | 16.58 | Average | 100 | 108 |
| 3 | 11340.00 | 59.46 | 74.00 | -14.54 | 42.88 | 16.58 | Peak | 100 | 108 |
| 4 | 17010.00 | 61.40 | 68.20 | -6.80 | 42.74 | 18.66 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5670 |
| Polarization | Vertical | Test Configuration | 1 |



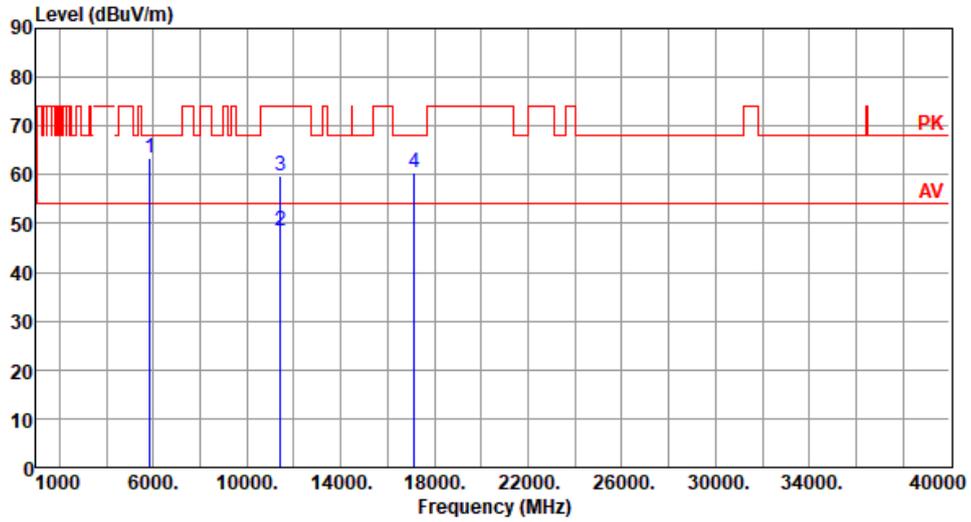
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 67.10 | 68.20 | -1.10 | 59.44 | 7.66 | Peak | 184 | 250 |
| 2 | 11340.00 | 47.10 | 54.00 | -6.90 | 30.52 | 16.58 | Average | 100 | 52 |
| 3 | 11340.00 | 57.58 | 74.00 | -16.42 | 41.00 | 16.58 | Peak | 100 | 52 |
| 4 | 17010.00 | 60.21 | 68.20 | -7.99 | 41.55 | 18.66 | Peak | 100 | 51 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5710 |
| Polarization | Horizontal | Test Configuration | 1 |



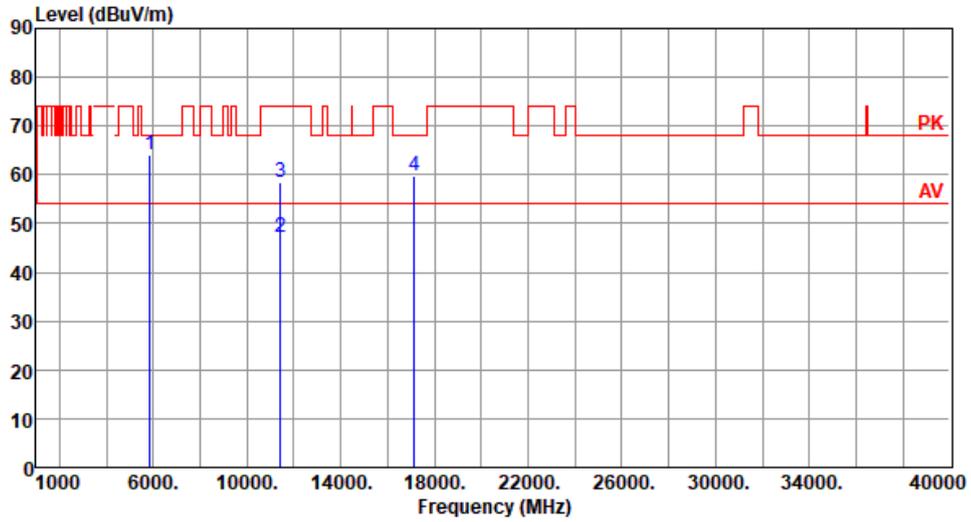
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5850.00 | 63.27 | 68.20 | -4.93 | 55.25 | 8.02 | Peak | 207 | 20 |
| 2 | 11420.00 | 48.61 | 54.00 | -5.39 | 31.88 | 16.73 | Average | 100 | 104 |
| 3 | 11420.00 | 59.61 | 74.00 | -14.39 | 42.88 | 16.73 | Peak | 100 | 104 |
| 4 | 17130.00 | 60.56 | 68.20 | -7.64 | 42.26 | 18.30 | Peak | 100 | 109 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5710 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5850.00 | 63.98 | 68.20 | -4.22 | 55.96 | 8.02 | Peak | 188 | 95 |
| 2 | 11420.00 | 47.28 | 54.00 | -6.72 | 30.55 | 16.73 | Average | 100 | 51 |
| 3 | 11420.00 | 58.61 | 74.00 | -15.39 | 41.88 | 16.73 | Peak | 100 | 51 |
| 4 | 17130.00 | 59.86 | 68.20 | -8.34 | 41.56 | 18.30 | Peak | 100 | 53 |

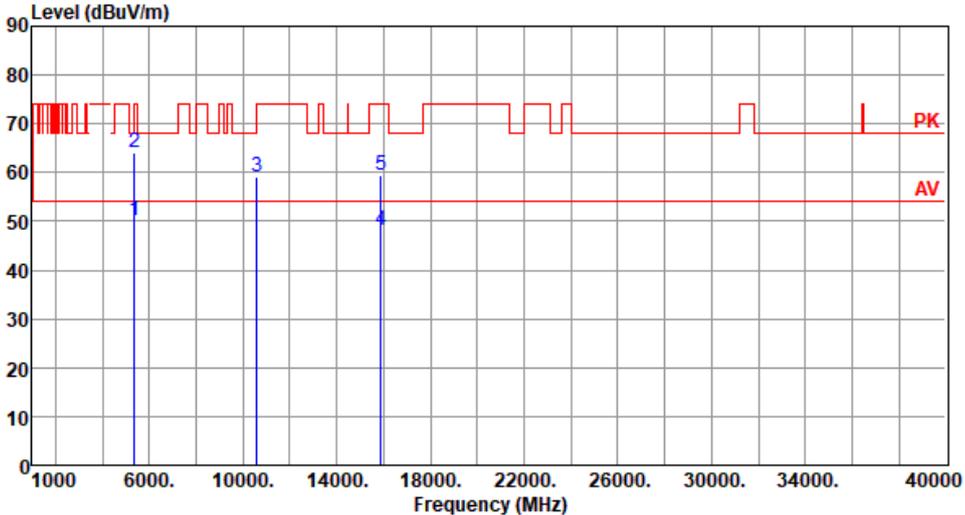
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.12 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

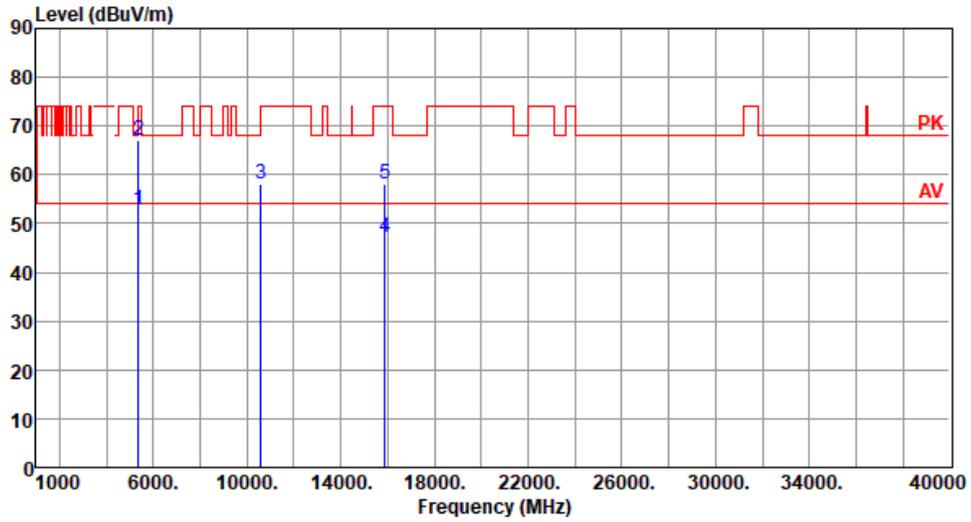
| Modulation | VHT80 | Test Freq. (MHz) | 5290 |
|--------------|------------|--------------------|------|
| Polarization | Horizontal | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 50.11 | 54.00 | -3.89 | 43.26 | 6.85 | Average | 209 | 23 |
| 2 | 5350.00 | 64.10 | 74.00 | -9.90 | 57.25 | 6.85 | Peak | 209 | 23 |
| 3 | 10580.00 | 59.07 | 68.20 | -9.13 | 42.70 | 16.37 | Peak | 100 | 109 |
| 4 | 15870.00 | 48.04 | 54.00 | -5.96 | 31.40 | 16.64 | Average | 100 | 105 |
| 5 | 15870.00 | 59.52 | 74.00 | -14.48 | 42.88 | 16.64 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5290 |
| Polarization | Vertical | Test Configuration | 1 |



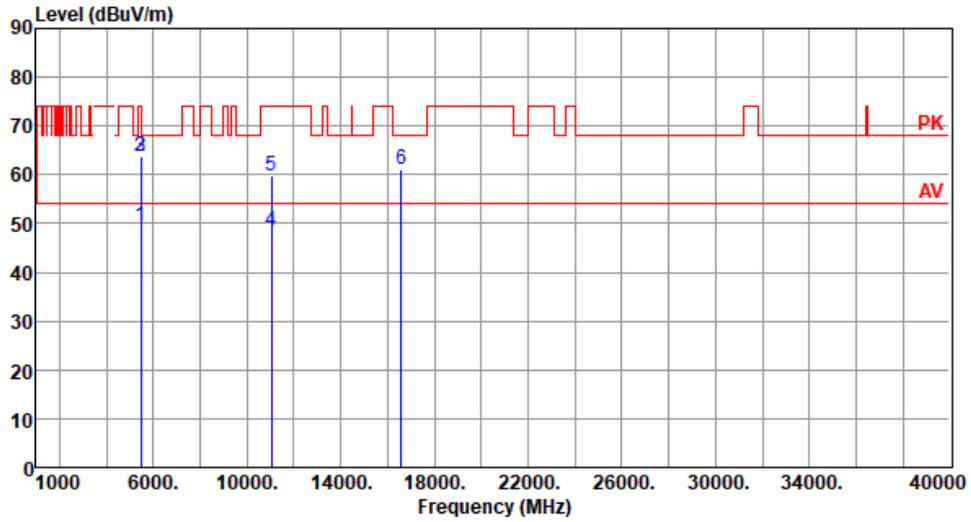
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5350.00 | 52.85 | 54.00 | -1.15 | 46.00 | 6.85 | Average | 195 | 102 |
| 2 | 5350.00 | 67.11 | 74.00 | -6.89 | 60.26 | 6.85 | Peak | 195 | 102 |
| 3 | 10580.00 | 57.96 | 68.20 | -10.24 | 41.59 | 16.37 | Peak | 100 | 56 |
| 4 | 15870.00 | 47.23 | 54.00 | -6.77 | 30.59 | 16.64 | Average | 100 | 56 |
| 5 | 15870.00 | 57.98 | 74.00 | -16.02 | 41.34 | 16.64 | Peak | 100 | 55 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5530 |
| Polarization | Horizontal | Test Configuration | 1 |



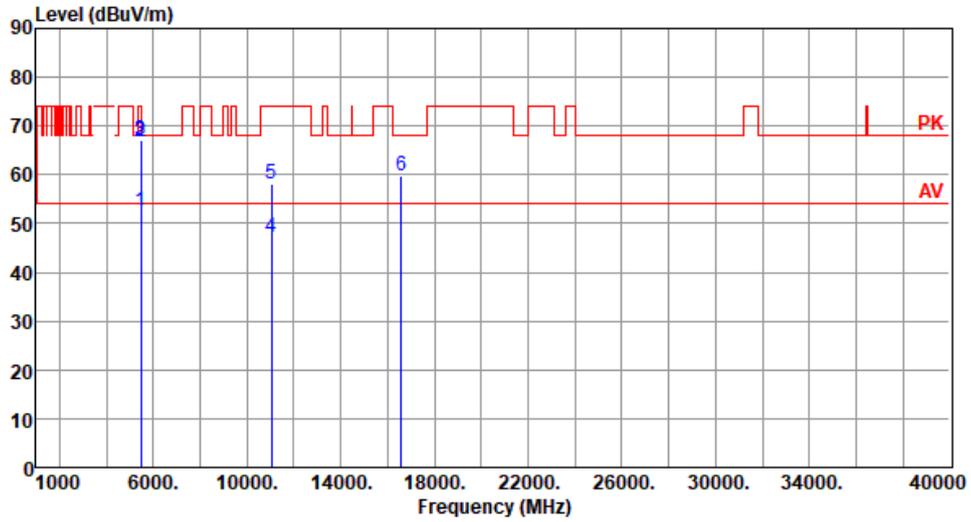
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.50 | 54.00 | -4.50 | 42.25 | 7.25 | Average | 225 | 25 |
| 2 | 5460.00 | 63.61 | 74.00 | -10.39 | 56.36 | 7.25 | Peak | 225 | 25 |
| 3 | 5470.00 | 63.65 | 68.20 | -4.55 | 56.37 | 7.28 | Peak | 225 | 25 |
| 4 | 11060.00 | 48.38 | 54.00 | -5.62 | 31.63 | 16.75 | Average | 100 | 107 |
| 5 | 11060.00 | 59.67 | 74.00 | -14.33 | 42.92 | 16.75 | Peak | 100 | 107 |
| 6 | 16590.00 | 61.02 | 68.20 | -7.18 | 42.81 | 18.21 | Peak | 100 | 102 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5530 |
| Polarization | Vertical | Test Configuration | 1 |



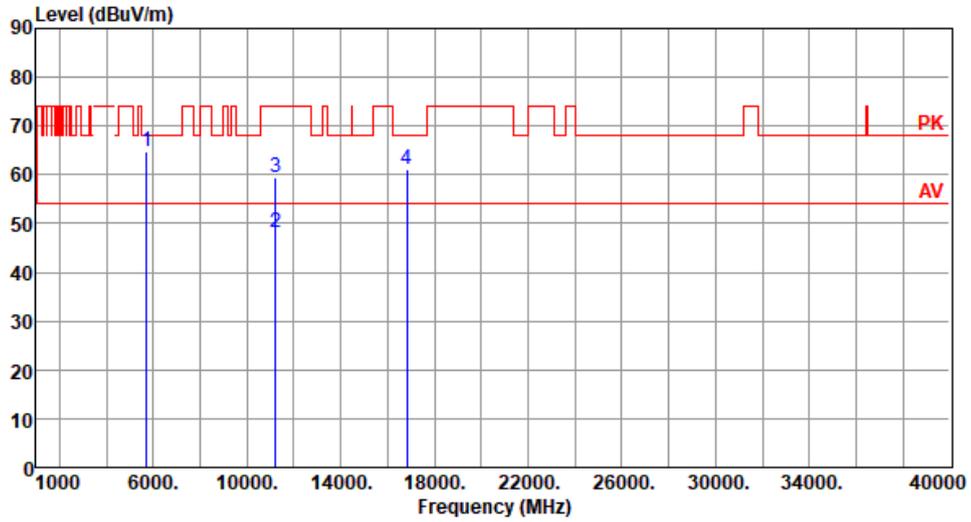
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 52.55 | 54.00 | -1.45 | 45.30 | 7.25 | Average | 189 | 98 |
| 2 | 5460.00 | 66.90 | 74.00 | -7.10 | 59.65 | 7.25 | Peak | 189 | 98 |
| 3 | 5470.00 | 67.06 | 68.20 | -1.14 | 59.78 | 7.28 | Peak | 189 | 98 |
| 4 | 11060.00 | 47.00 | 54.00 | -7.00 | 30.25 | 16.75 | Average | 100 | 52 |
| 5 | 11060.00 | 58.03 | 74.00 | -15.97 | 41.28 | 16.75 | Peak | 100 | 52 |
| 6 | 16590.00 | 59.84 | 68.20 | -8.36 | 41.63 | 18.21 | Peak | 100 | 53 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5610 |
| Polarization | Horizontal | Test Configuration | 1 |



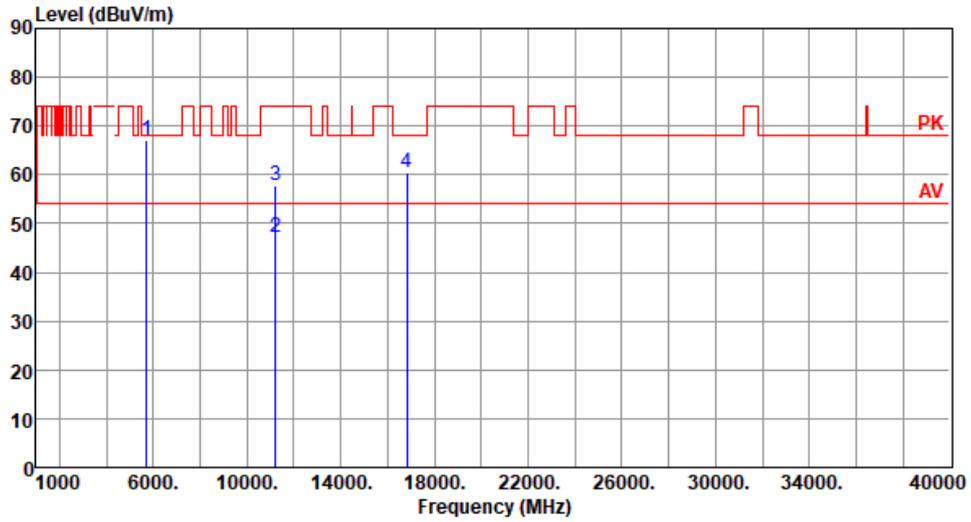
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 64.90 | 68.20 | -3.30 | 57.24 | 7.66 | Peak | 221 | 21 |
| 2 | 11220.00 | 48.08 | 54.00 | -5.92 | 31.56 | 16.52 | Average | 100 | 109 |
| 3 | 11220.00 | 59.52 | 74.00 | -14.48 | 43.00 | 16.52 | Peak | 100 | 109 |
| 4 | 16830.00 | 61.22 | 68.20 | -6.98 | 42.88 | 18.34 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5610 |
| Polarization | Vertical | Test Configuration | 1 |



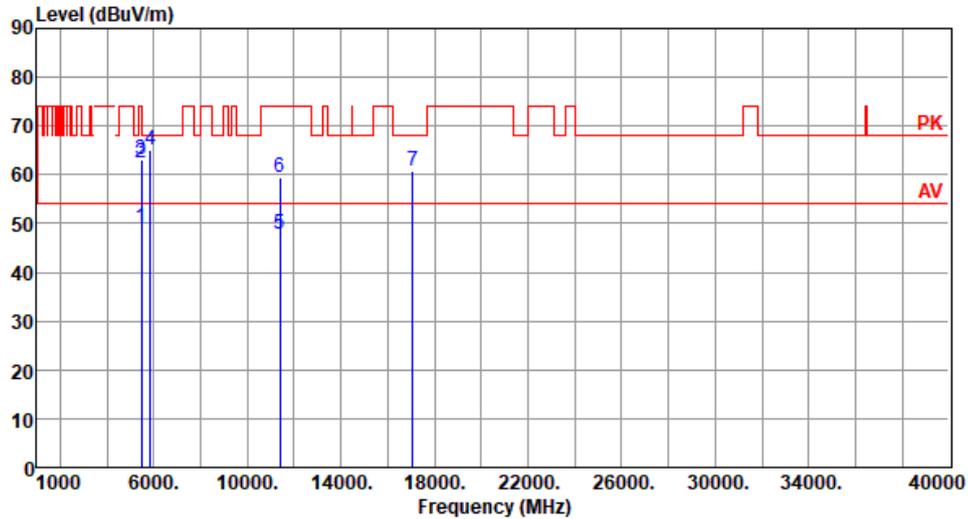
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5725.00 | 66.94 | 68.20 | -1.26 | 59.28 | 7.66 | Peak | 200 | 118 |
| 2 | 11220.00 | 47.18 | 54.00 | -6.82 | 30.66 | 16.52 | Average | 100 | 53 |
| 3 | 11220.00 | 57.85 | 74.00 | -16.15 | 41.33 | 16.52 | Peak | 100 | 53 |
| 4 | 16830.00 | 60.34 | 68.20 | -7.86 | 42.00 | 18.34 | Peak | 100 | 54 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5690 |
| Polarization | Horizontal | Test Configuration | 1 |



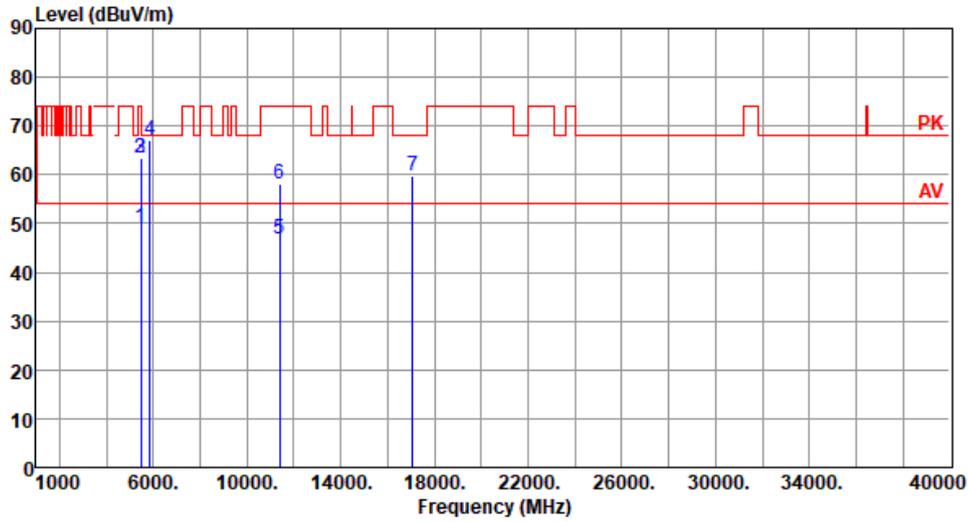
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.13 | 54.00 | -4.87 | 41.88 | 7.25 | Average | 202 | 26 |
| 2 | 5460.00 | 62.27 | 74.00 | -11.73 | 55.02 | 7.25 | Peak | 202 | 26 |
| 3 | 5470.00 | 62.94 | 68.20 | -5.26 | 55.66 | 7.28 | Peak | 202 | 26 |
| 4 | 5850.00 | 65.25 | 68.20 | -2.95 | 57.23 | 8.02 | Peak | 206 | 26 |
| 5 | 11380.00 | 47.93 | 54.00 | -6.07 | 31.25 | 16.68 | Average | 100 | 105 |
| 6 | 11380.00 | 59.30 | 74.00 | -14.70 | 42.62 | 16.68 | Peak | 100 | 105 |
| 7 | 17070.00 | 60.93 | 68.20 | -7.27 | 42.55 | 18.38 | Peak | 100 | 102 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|---------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5690 |
| Polarization | Vertical | Test Configuration | 1 |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5460.00 | 49.26 | 54.00 | -4.74 | 42.01 | 7.25 | Average | 200 | 106 |
| 2 | 5460.00 | 63.29 | 74.00 | -10.71 | 56.04 | 7.25 | Peak | 200 | 106 |
| 3 | 5470.00 | 63.49 | 68.20 | -4.71 | 56.21 | 7.28 | Peak | 200 | 106 |
| 4 | 5850.00 | 67.06 | 68.20 | -1.14 | 59.04 | 8.02 | Peak | 200 | 96 |
| 5 | 11380.00 | 46.92 | 54.00 | -7.08 | 30.24 | 16.68 | Average | 100 | 52 |
| 6 | 11380.00 | 57.97 | 74.00 | -16.03 | 41.29 | 16.68 | Peak | 100 | 52 |
| 7 | 17070.00 | 59.68 | 68.20 | -8.52 | 41.30 | 18.38 | Peak | 100 | 55 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.6 Frequency Stability

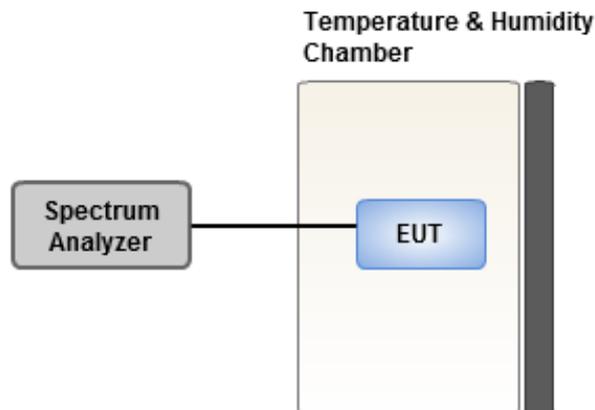
3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.6.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 20 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under normal and extreme condition for temperature and voltage.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

| Frequency: 5500 MHz | Frequency Drift (ppm) | | | |
|------------------------|-----------------------|-----------------|-----------|-----------------|
| | 0 minute | 2 minutes | 5 minutes | 10 minutes |
| T20°C Vmax | -1.62 | -1.08 | -1.45 | -1.29 |
| T20°C Vmin | -1.78 | -1.77 | -1.07 | -1.23 |
| T50°C Vnom | -15.66 | -15.88 | -15.38 | -15.47 |
| T40°C Vnom | -11.91 | -11.97 | -11.53 | -12.13 |
| T30°C Vnom | -6.53 | -7.03 | -6.22 | -5.99 |
| T20°C Vnom | -2.47 | -2.61 | -2.18 | -2.57 |
| T10°C Vnom | 1.34 | 1.70 | 1.57 | 1.90 |
| T0°C Vnom | 2.57 | 3.22 | 2.61 | 2.75 |
| T-10°C Vnom | 3.32 | 3.84 | 3.14 | 3.46 |
| T-20°C Vnom | 4.80 | 4.88 | 5.25 | 5.05 |
| T-30°C Vnom | 6.27 | 6.52 | 6.09 | 6.16 |
| Vnom [Vac]: 120 | | Vmax [Vac]: 138 | | Vmin [Vac]: 102 |
| Tnom [°C]: 20 | | Tmax [°C]: 50 | | Tmin [°C]: -30 |

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

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Kwei Shan Site II

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No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, Tao Yuan
City 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==