

# FCC Test Report

**FCC ID** : 2AT6813002019  
**Equipment** : CBRSYS1300-WTE-2S  
**Brand Name** : CBRSYS1300-WTE-2S  
**Model Name** : CBRSYS1300-WTE-2S  
**Applicant/  
Manufacturer** : Celliber Technologies Private Limited  
2nd Floor VYSHAK CENTRE,1027, 24th Main 11th Cross,  
Sector 1 HSR Layout, Bangalore 560102 India  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Jul. 23, 2019, and testing was started from Jul. 23, 2019 and completed on Jul. 29, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

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

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

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## History of this test report

TEL : 886-3-3273456  
FAX : 886-3-3270973  
Report Template No.: HE1-D1 Ver.2.3  
FCC ID: 2AT6813002019

## Summary of Test Result

| Report Clause | Ref. Std. Clause | Test Items                        | Result (PASS/FAIL) | Remark |
|---------------|------------------|-----------------------------------|--------------------|--------|
| 1.1.2         | 15.203           | Antenna Requirement               | PASS               | -      |
| 3.1           | 15.207           | AC Power-line Conducted Emissions | PASS               | -      |
| 3.2           | 15.407(a)        | Emission Bandwidth                | PASS               | -      |
| 3.3           | 15.407(a)        | Maximum Conducted Output Power    | PASS               | -      |
| 3.4           | 15.407(a)        | Peak Power Spectral Density       | PASS               | -      |
| 3.5           | 15.407(b)        | Unwanted Emissions                | PASS               | -      |

**Declaration of Conformity:**

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

**Comments and explanations:**

None

**Reviewed by: Jackson Tsai**

**Report Producer: Kate Lo**

# 1 General Description

## 1.1 Information

There are three WiFi Modules in the CQ30 Series Vehicle PC in the EUT. The antenna signals Tx transmit by only one connector and other connectors are restricted to Rx only mode with switches controlled by software.

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|------------------|---------------------|----------------|
| 5150-5250             | a, n (HT20)      | 5180-5240           | 36-48 [4]      |
| 5725-5850             |                  | 5745-5805           | 149-161 [4]    |
| 5150-5250             | n (HT40)         | 5190-5230           | 38-46 [2]      |
| 5725-5850             |                  | 5755-5795           | 151-159 [2]    |

| Band          | Mode         | BWch (MHz) | Nant |
|---------------|--------------|------------|------|
| 5.15-5.25GHz  | 802.11a      | 20         | 1TX  |
| 5.725-5.85GHz | 802.11a      | 20         | 1TX  |
| 5.15-5.25GHz  | 802.11n HT20 | 20         | 1TX  |
| 5.725-5.85GHz | 802.11n HT20 | 20         | 1TX  |
| 5.15-5.25GHz  | 802.11n HT40 | 40         | 1TX  |
| 5.725-5.85GHz | 802.11n HT40 | 40         | 1TX  |

Note:

- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

### 1.1.2 Antenna Information

| Ant. | Brand       | Model Name          | Antenna Type | Connector           | Function |
|------|-------------|---------------------|--------------|---------------------|----------|
| 1    | Mobile Mark | RM-WHF-DN-BLK       | Omni         | N Type              | TX/RX    |
| 2    | Mobile Mark | MGRM-WHF-3C-BLK-120 | Omni         | Cable with SMA Male | TX/RX    |
| 3    | Mobile Mark | LP-2400-6000        | Directional  | SMA Female          | RX       |
| 4    | Mobile Mark | LP-2400-6000        | Directional  | SMA Female          | RX       |
| 5    | Mobile Mark | LP-2400-6000        | Directional  | SMA Female          | RX       |
| 6    | Mobile Mark | LP-2400-6000        | Directional  | SMA Female          | RX       |

| Ant. | Port | Gain (dBi) |    |
|------|------|------------|----|
|      |      | 2.4G       | 5G |
| 1    | 1    | 5          | 5  |
| 2    | -    | 5          | 5  |
| 3    | -    | 7.5        | 11 |
| 4    | -    | 7.5        | 11 |
| 5    | -    | 7.5        | 11 |
| 6    | -    | 7.5        | 11 |

Note 1: The antenna 1 was used to test by transmit function .

#### For 2.4GHz function:

For IEEE 802.11 b/g/n mode

Ant. 1 or Ant. 2 could transmit/receive.

Ant. 3, Ant. 4, Ant. 5 and Ant. 6 could receive only.

#### For 5GHz function:

For IEEE 802.11 a/n mode

Ant. 1 or Ant. 2 could transmit/receive.

Ant. 3, Ant. 4, Ant. 5 and Ant. 6 could receive only.

**1.1.3 EUT Information**

| Operational Condition               |                                                                               |                                                         |     |
|-------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|-----|
| <b>EUT Power Type</b>               | From Switching Power Supply                                                   |                                                         |     |
| <b>EUT Function</b>                 | <input checked="" type="checkbox"/> Outdoor                                   | <input type="checkbox"/> Indoor                         |     |
|                                     | <input type="checkbox"/> Fixed P2P                                            | <input checked="" type="checkbox"/> Client              |     |
| <b>Beamforming Function</b>         | <input type="checkbox"/> With beamforming                                     | <input checked="" type="checkbox"/> Without beamforming |     |
| Type of EUT                         |                                                                               |                                                         |     |
| <input checked="" type="checkbox"/> | Stand-alone                                                                   |                                                         |     |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device) |                                                         |     |
|                                     | Combined Equipment - Brand Name / Model No.:                                  |                                                         | ... |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                    |                                                         |     |
|                                     | Host System - Brand Name / Model No.:                                         |                                                         | ... |
| <input type="checkbox"/>            | Other:                                                                        |                                                         |     |

**1.1.4 Mode Test Duty Cycle**

| Mode         | DC    | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|--------------|-------|---------|----------------------|----------------------|
| 802.11a      | 0.985 | 0.07    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11n HT20 | 0.978 | 0.1     | 1.527m               | 1k                   |
| 802.11n HT40 | 0.966 | 0.15    | 754.688u             | 3k                   |

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

## 1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02r01

## 1.3 Testing Location Information

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

| Test Condition | Test Site No. | Test Engineer | Test Environment            | Test Date                   |
|----------------|---------------|---------------|-----------------------------|-----------------------------|
| RF Conducted   | TH01-HY       | Barry         | 24.9~25.4°C /<br>49~54%     | 24/Jul/2019~<br>29/Jul/2019 |
| Radiated       | 03CH02-HY     | Streak        | 21.1~23.2°C /<br>51.2~53.9% | 23/Jul/2019~<br>25/Jul/2019 |
| AC Conduction  | CO04-HY       | Jeff          | 22.6~24.7°C /<br>62.3~65.9% | 26/Jul/2019                 |

## 1.4 Measurement Uncertainty

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

| Test Items                           | Uncertainty | Remark                   |
|--------------------------------------|-------------|--------------------------|
| Conducted Emission (150kHz ~ 30MHz)  | 3.54 dB     | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz)     | 1.6 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 4.3 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.9 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.3 dB      | Confidence levels of 95% |
| Temperature                          | 0.7 °C      | Confidence levels of 95% |
| Humidity                             | 4 %         | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Condition

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

### 2.2 Test Channel Mode

|                       |                         |
|-----------------------|-------------------------|
| Test Software Version | MobaXterm_Personal_11.1 |
|-----------------------|-------------------------|

Master:

| Mode                         | Power Setting |
|------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -             |
| 5180MHz                      | 13            |
| 5200MHz                      | 13            |
| 5240MHz                      | 15            |
| 5745MHz                      | 37            |
| 5785MHz                      | 34            |
| 5805MHz                      | 36            |
| 802.11n HT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                      | 16            |
| 5200MHz                      | 14            |
| 5240MHz                      | 16            |
| 5745MHz                      | 37            |
| 5785MHz                      | 34            |
| 5805MHz                      | 36            |
| 802.11n HT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                      | 14            |
| 5230MHz                      | 14            |
| 5755MHz                      | 36            |
| 5795MHz                      | 35            |

**Slave:**

| Mode                         | Power Setting |
|------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -             |
| 5180MHz                      | 29            |
| 5200MHz                      | 28            |
| 5240MHz                      | 31            |
| 5745MHz                      | 37            |
| 5785MHz                      | 34            |
| 5805MHz                      | 36            |
| 802.11n HT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                      | 30            |
| 5200MHz                      | 29            |
| 5240MHz                      | 32            |
| 5745MHz                      | 37            |
| 5785MHz                      | 34            |
| 5805MHz                      | 36            |
| 802.11n HT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                      | 29            |
| 5230MHz                      | 30            |
| 5755MHz                      | 36            |
| 5795MHz                      | 35            |

## 2.3 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |                                                          |
|-----------------------------------------------------|----------------------------------------------------------|
| <b>Tests Item</b>                                   | AC power-line conducted emissions                        |
| <b>Condition</b>                                    | AC power-line conducted measurement for line and neutral |
| <b>Operating Mode</b>                               | CTX                                                      |
| 1                                                   | For Switching Power Supply                               |

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

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Unwanted Emissions                                                                                                                                                                                                                                  |
| <b>Test Condition</b>                               | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |
| <b>Operating Mode &lt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |
| 1                                                   | For Switching Power Supply                                                                                                                                                                                                                          |
| <b>Operating Mode &gt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |
| <b>Orthogonal Planes of EUT</b>                     | <b>Z Plane</b>                                                                                                                                                                                                                                      |
|                                                     |                                                                                                                                                                 |
| <b>Worst Planes of EUT</b>                          | V                                                                                                                                                                                                                                                   |

## 2.4 Accessories and Support Equipment

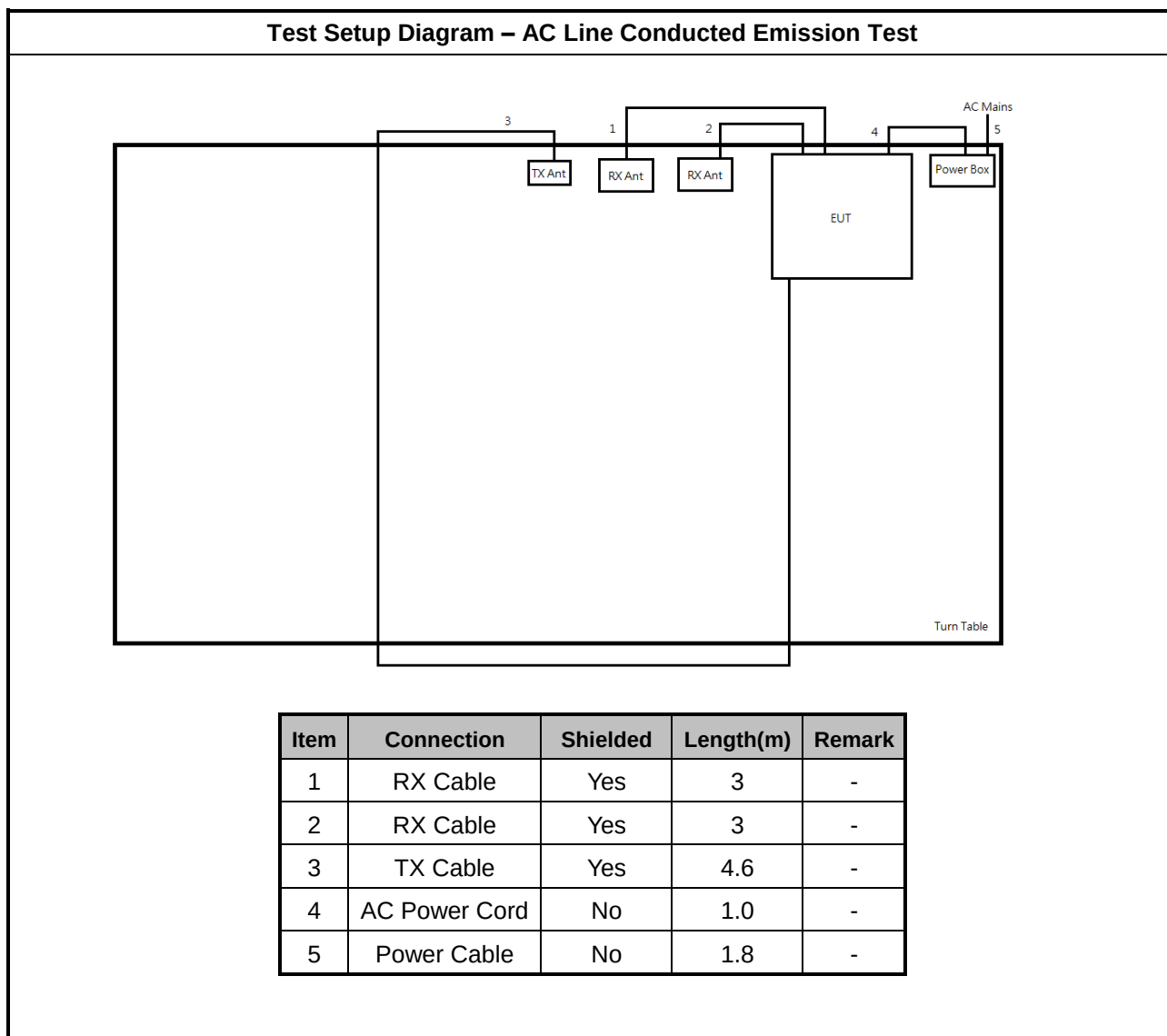
| Accessories                                          |              |                                               |            |                             |
|------------------------------------------------------|--------------|-----------------------------------------------|------------|-----------------------------|
| AC power Cord                                        | Brand Name   | AC Power cord                                 | Model Name | 11-00022                    |
|                                                      | Manufacturer | Tensility                                     |            |                             |
|                                                      | Power Rating | I/P: 110 -250 Vac, 2.5 A                      |            |                             |
|                                                      | Power Cord   | 1 meter, non-shielded cable, w/o ferrite core |            |                             |
| Universal Adaptor                                    | Brand Name   | Universal Adapter                             | Model Name | APK01AP-52                  |
|                                                      | Manufacturer | Targus                                        |            |                             |
| Additional power cable with Fischer connector for DC | Brand Name   | Open ended cable with 2 pin Fischer           | Model Name | 600090256                   |
|                                                      | Manufacturer | Celliber                                      |            |                             |
|                                                      | Power Cord   | 2 meter, non-shielded cable, w/o ferrite core |            |                             |
| M12 Ethernet cable                                   | Brand Name   | M12 08 pos Male to RJ45 cable                 | Model Name | 1407415                     |
|                                                      | Manufacturer | Phoenix Contact                               |            |                             |
|                                                      | Power Cord   | 2 meter, shielded cable, w/o ferrite core     |            |                             |
| M12 Ethernet cable                                   | Brand Name   | Circular M12 08 pos Male to M12 08 pos Male   | Model Name | 1408748                     |
|                                                      | Manufacturer | Phoenix Contact                               |            |                             |
|                                                      | Power Cord   | 0.5 meter, shielded cable, w/o ferrite core   |            |                             |
| VGA Cable                                            | Brand Name   | VGA Cable                                     | Model Name | P502-006                    |
|                                                      | Manufacturer | P502-006                                      |            |                             |
|                                                      | Power Cord   | 1.83 meter, shielded cable, w/o ferrite core  |            |                             |
| RX Antenna Assembly                                  | Brand Name   | RX Antenna Assembly                           | Model Name | 800090085-01                |
|                                                      | Manufacturer | Celliber                                      | PN         | LP-2400-6000                |
| TX Antenna                                           | Brand Name   | TX Antenna                                    | Model Name | MGRM-WHF-3C-BLK-120         |
|                                                      | Manufacturer | Mobile Mark Antennas Solutions                |            |                             |
|                                                      | Power Cord   | 3 meter, shielded cable, w/o ferrite core     |            |                             |
| TX Antenna                                           | Brand Name   | TX Antenna                                    | Model Name | RM-WHF-DN-BLK               |
|                                                      | Manufacturer | Mobile Mark Antennas Solutions                |            |                             |
| GPS antenna                                          | Brand Name   | GPS Antenna                                   | Model Name | 33-4721-00-3000             |
|                                                      | Manufacturer | Tallysman Wireless Inc.                       |            |                             |
|                                                      | Power Cord   | 3 meter, shielded cable, w/o ferrite core     |            |                             |
| N Type to SMA adapter                                | Brand Name   | Adapter                                       | Model Name | 53S132-K00L5                |
|                                                      | Manufacturer | Rosenberger                                   |            |                             |
| RX Cable                                             | Brand Name   | Rx Cable                                      | Model Name | ULC-10FT-SMSM+              |
|                                                      | Manufacturer | Mini-Circuits                                 |            |                             |
|                                                      | Power Cord   | 3 meter, shielded cable, w/o ferrite core     |            |                             |
| TX Cable                                             | Brand Name   | TX Cable                                      | Model Name | SPU400FR/11SMA/11SMA/004600 |
|                                                      | Manufacturer | HUBER+SUHNER                                  |            |                             |
|                                                      | Power Cord   | 4.6 meter, shielded cable, w/o ferrite core   |            |                             |

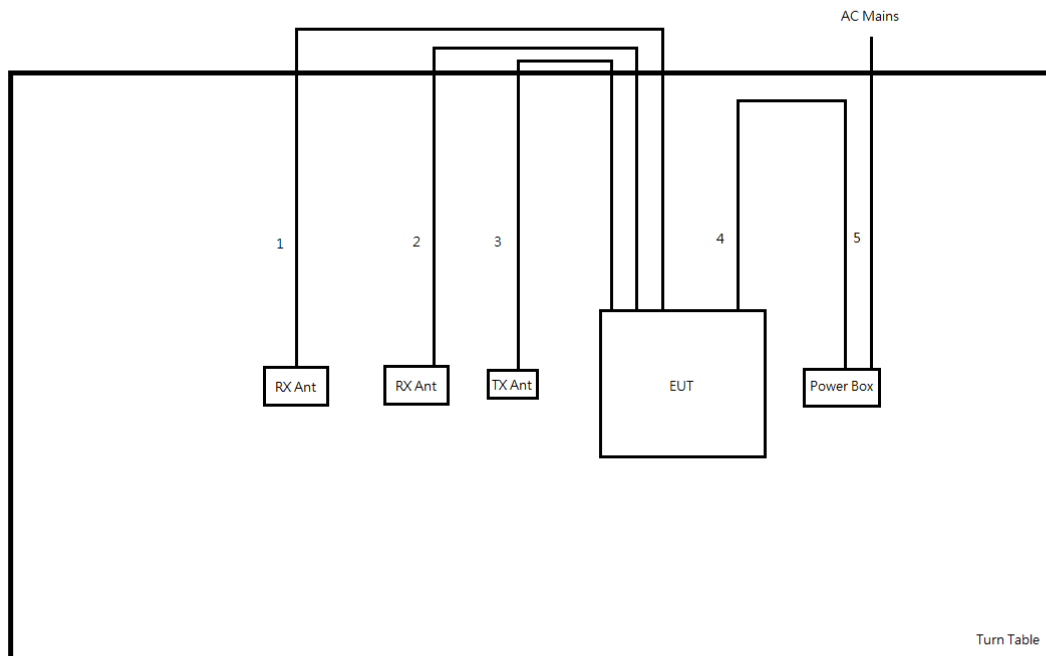
Reminder: Regarding to more detail and other information, please refer to user manual.



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

## 2.5 Test Setup Diagram



**Test Setup Diagram - Radiated Test**


| Item | Connection    | Shielded | Length(m) | Remark |
|------|---------------|----------|-----------|--------|
| 1    | RX Cable      | Yes      | 3         | -      |
| 2    | RX Cable      | Yes      | 3         | -      |
| 3    | TX Cable      | Yes      | 4.6       | -      |
| 4    | AC Power Cord | No       | 1.0       | -      |
| 5    | Power Cable   | No       | 1.8       | -      |

### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

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

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

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

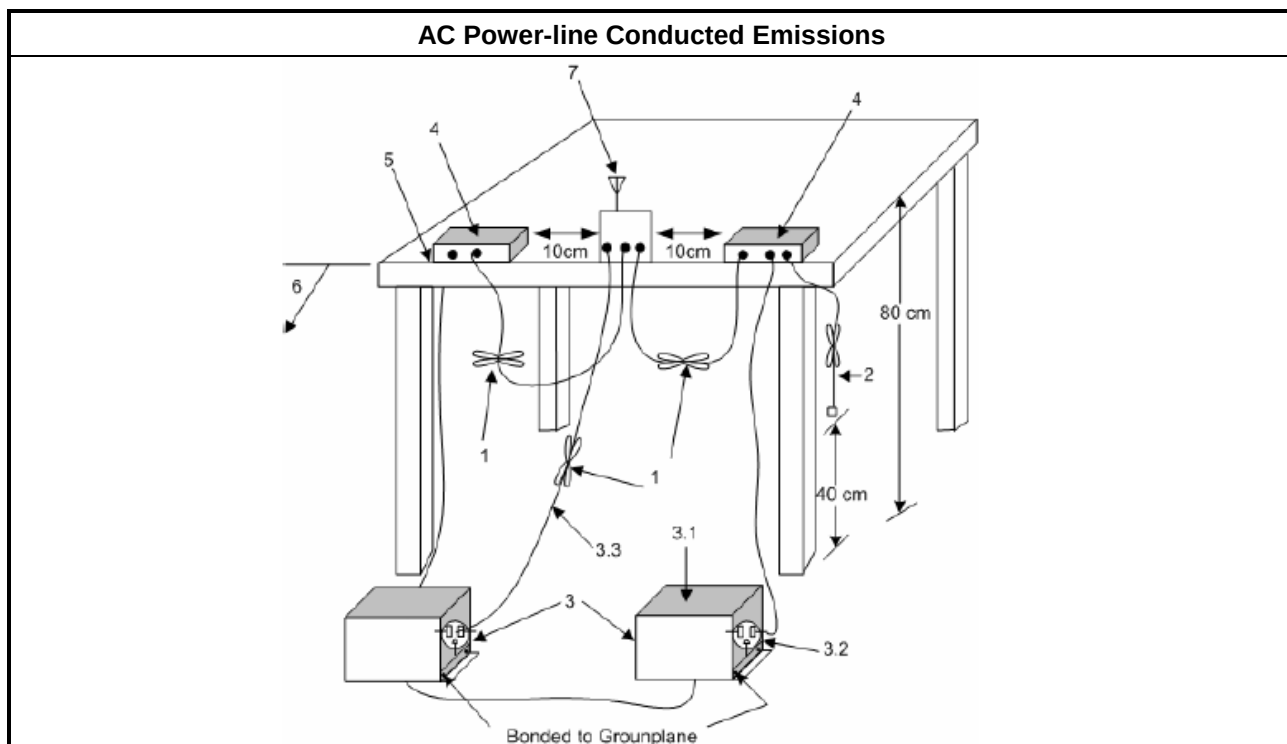
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

##### 3.1.4 Test Setup



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

Refer as Appendix A



## 3.2 Emission Bandwidth

### 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit            |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| <b>UNII Devices</b>                 |                                                                     |
| <input checked="" type="checkbox"/> | For the 5.15-5.25 GHz band, N/A                                     |
| <input type="checkbox"/>            | For the 5.25-5.35 GHz band, N/A                                     |
| <input type="checkbox"/>            | For the 5.47-5.725 GHz band, N/A                                    |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz. |

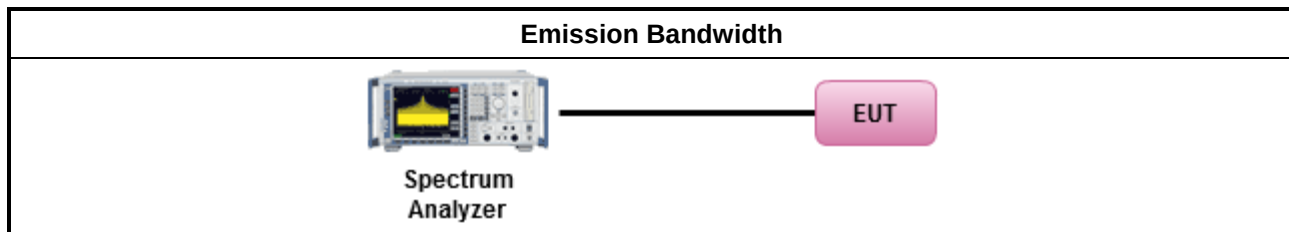
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

| Test Method                                                                                                                    |                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>For the emission bandwidth shall be measured using one of the options below:</li> </ul> |                                                                         |
| <input checked="" type="checkbox"/>                                                                                            | Refer as KDB 789033, clause C for EBW and clause D for OBW measurement. |
| <input type="checkbox"/>                                                                                                       | Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.      |
| <input type="checkbox"/>                                                                                                       | Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.                  |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/>                                                                                                   | <ul style="list-style-type: none"> <li>Outdoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>. e.i.r.p. at any elevation angle above 30 degrees <math>\leq 125</math>mW [21dBm]</li> <li>Indoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math></li> <li>Point-to-point AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 23)</math>.</li> <li>Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li> </ul> |
| <input type="checkbox"/>                                                                                                   | For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <input type="checkbox"/>                                                                                                   | For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/>                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| $P_{Out}$ = maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

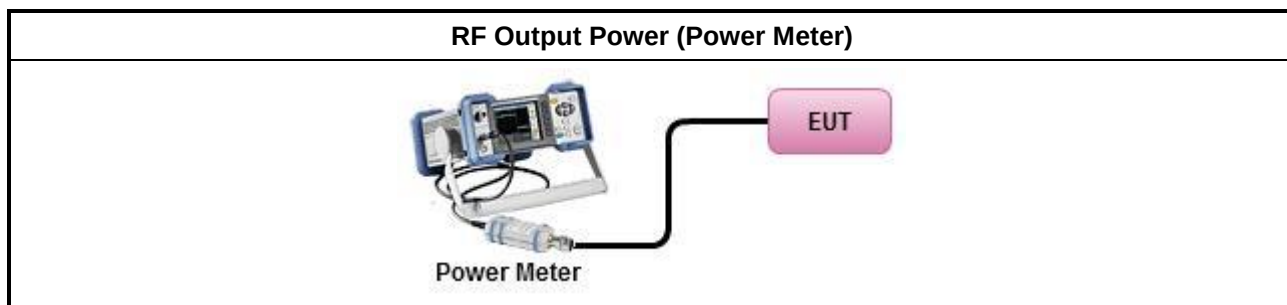
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

| Test Method                                                                      |                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Maximum Conducted Output Power</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                  | Duty cycle $\geq 98\%$                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>                                                         | Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                              |
|                                                                                  | Duty cycle $< 98\%$                                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/>                                                         | Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                               |
|                                                                                  | Wideband RF power meter and average over on/off periods with duty factor                                                                                                                                                                                                                                                                                           |
| <input checked="" type="checkbox"/>                                              | Refer as KDB 789033, clause E Method PM (using an RF average power meter).                                                                                                                                                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>     |                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                  | <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:<br/>Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul> |
|                                                                                  | <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:<br/> <math>P_{\text{total}} = P_1 + P_2 + \dots + P_n</math><br/> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}</math> </li> </ul>                      |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Peak Power Spectral Density

#### 3.4.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 23)</math>.</li> <li>Mobile or Portable Client: the peak power spectral density (PPSD) <math>\leq 11</math> dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 11 - (G_{TX} - 6)</math>.</li> </ul> |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                         | For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                         | For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>PPSD</b> = peak power spectral density that the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz<br><b>G<sub>TX</sub></b> = the maximum transmitting antenna directional gain in dBi. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

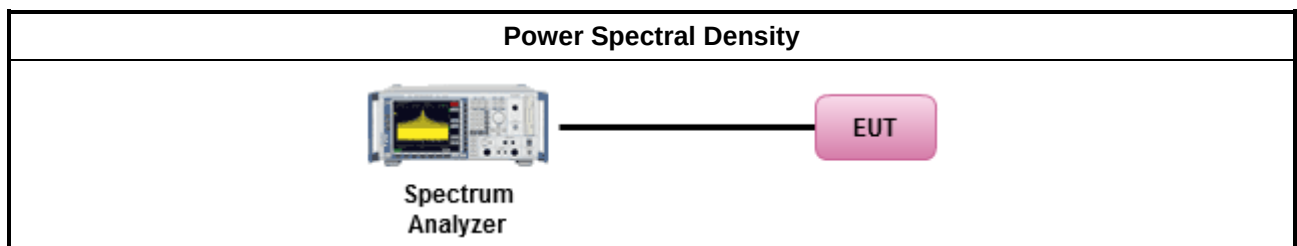
#### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <ul style="list-style-type: none"> <li>Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:</li> </ul>                                                                                                                                                                                                                                                                                                                |                  |
| <input type="checkbox"/> Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Duty cycle ≥ 98% |
| <input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Duty cycle < 98% |
| <input checked="" type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| <ul style="list-style-type: none"> <li>Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.</li> </ul> |                  |
| <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br/> <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math><br/>           (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>EIRP_{total} = PPSD_{total} + DG</math> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |                  |

### 3.4.4 Test Setup



### 3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter Radiated Unwanted Emissions Limit

| Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit |                       |                         |                      |
|-------------------------------------------------------------------------------|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz)                                                         | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490                                                                   | 2400/F(kHz)           | 48.5 - 13.8             | 300                  |
| 0.490~1.705                                                                   | 24000/F(kHz)          | 33.8 - 23               | 30                   |
| 1.705~30.0                                                                    | 30                    | 29                      | 30                   |
| 30~88                                                                         | 100                   | 40                      | 3                    |
| 88~216                                                                        | 150                   | 43.5                    | 3                    |
| 216~960                                                                       | 200                   | 46                      | 3                    |
| Above 960                                                                     | 500                   | 54                      | 3                    |

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

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

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

| Un-restricted band emissions above 1GHz Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5.15 - 5.25 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5.25 - 5.35 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5.47 - 5.725 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5.725 - 5.85 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m]<br>5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m]<br>5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m]<br>5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m]<br>5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m]<br>5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m]<br>Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### 3.5.2 Measuring Instruments

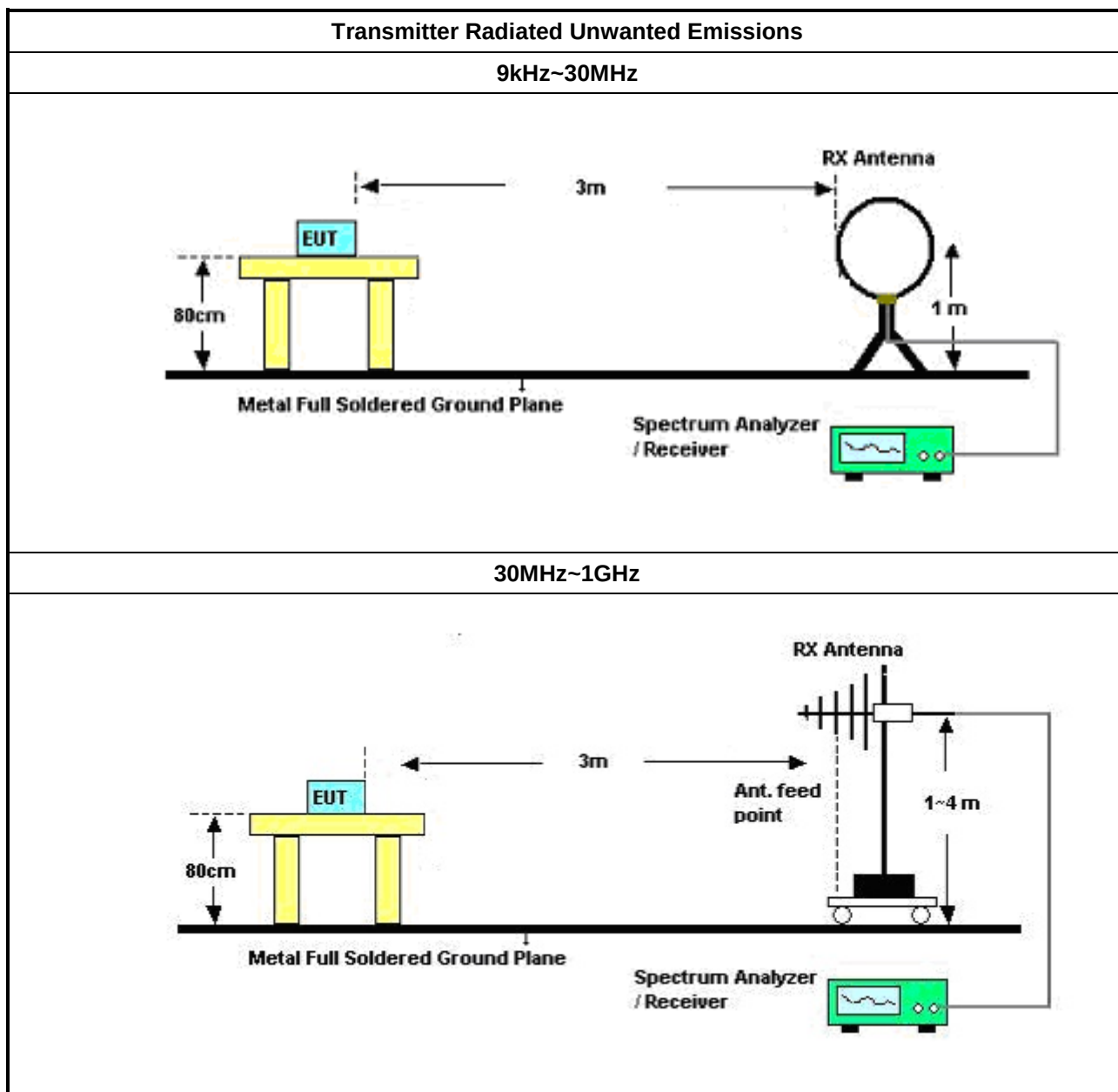
Refer a test equipment and calibration data table in this test report.

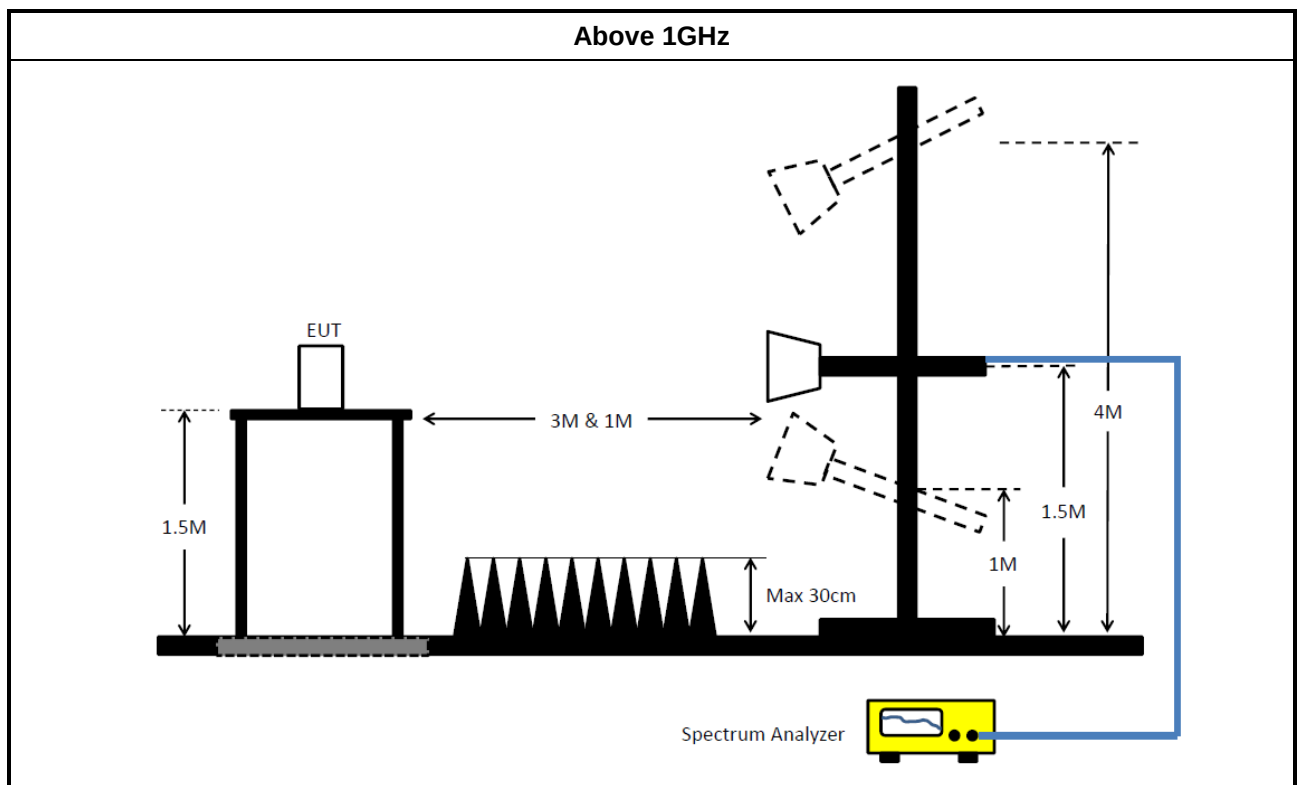
### 3.5.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).</li> </ul> |                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.</li> </ul>                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.            |
| <ul style="list-style-type: none"> <li>For radiated measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>                              |
| <ul style="list-style-type: none"> <li>The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                    |



### 3.5.4 Test Setup





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

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

### 3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

|                                      |             |             |            |                     |             |             |
|--------------------------------------|-------------|-------------|------------|---------------------|-------------|-------------|
| EMC Receiver                         | R&S         | ESR3        | 102052     | 9kHz~3.6GHz         | 09/Apr/2019 | 08/Apr/2020 |
| LISN                                 | R&S         | ENV216      | 101295     | 9kHz~30MHz          | 08/Nov/2018 | 07/Nov/2019 |
| RF Cable-CON                         | MTJ         | RG142       | CB002-CO   | 9kHz~200MHz         | 17/Sep/2018 | 16/Sep/2019 |
| AC POWER                             | APC         | AFC-11005G  | F310050055 | 47Hz~63Hz<br>5~300V | NCR         | NCR         |
| Impuls<br>Begrenzer Pulse<br>Limiter | SCHWARZBECK | VTSD 9561-F | 9561-F041  | 9kHz~30 MHz         | 12/Oct/2018 | 11/Oct/2019 |

### NCR : Non-Calibration Require

### Instrument for Conducted Test

| Instrument                     | Manufacturer | Model No. | Serial No.    | Spec.        | Calibration Date | Calibration Due Date |
|--------------------------------|--------------|-----------|---------------|--------------|------------------|----------------------|
| Spectrum Analyzer              | R&S          | FSV 40    | 101013        | 10Hz~40GHz   | 13/Mar/2019      | 12/Mar/2020          |
| Power Sensor                   | Anritsu      | MA2411B   | 1339407       | 300MHz~40GHz | 17/Nov/2018      | 16/Nov/2019          |
| Power Meter                    | Anritsu      | ML2495A   | 1517010       | 300MHz~40GHz | 17/Nov/2018      | 16/Nov/2019          |
| Cable 0.2m                     | HUBER        | MY10710/4 | RF Cable - 01 | 30MHz~18G    | 21/Mar/2019      | 20/Mar/2020          |
| Cable 0.2m                     | HUBER        | MY10711/4 | RF Cable - 02 | 30MHz~18G    | 21/Mar/2019      | 20/Mar/2020          |
| Cable 0.5m                     | HUBER        | MY39470/4 | RF Cable - 29 | 30MHz~18G    | 21/Mar/2019      | 20/Mar/2020          |
| SMB100A<br>Signal<br>Generator | R&S          | SMB100A03 | 181147        | 100kHz~40GHz | 12/Nov/2018      | 10/Nov/2020          |

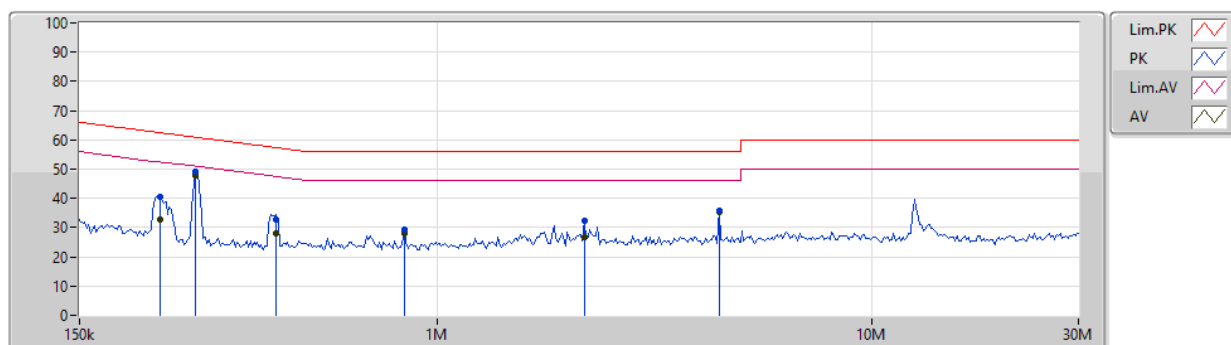
**Instrument for Radiated Test**

| Instrument                       | Manufacturer    | Model No.              | Serial No.        | Spec.            | Calibration Date | Calibration Due Date |
|----------------------------------|-----------------|------------------------|-------------------|------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA  | SAC-3M                 | 03CH02-HY         | 30MHz~1GHz<br>3m | 19/Oct/2018      | 18/Oct/2019          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA  | SAC-3M                 | 03CH02-HY         | 1GHz~18GHz<br>3m | 17/Oct/2018      | 16/Oct/2019          |
| Amplifier                        | Agilent         | 8447D                  | 2944A11149        | 30~1000MHz       | 02/Jul/2019      | 01/Jul/2020          |
| Microwave Preamplifier           | Agilent         | 8449B                  | 3008A02373        | 1GHz~26.5GHz     | 23/Oct/2018      | 22/Oct/2019          |
| Signal Analyzer                  | R&S             | FSP40                  | 100593            | 9kHz~40GHz       | 27/Dec/2018      | 26/Dec/2019          |
| RF Cable-R03m                    | Jye Bao         | RG142                  | CB017             | 9kHz~1GHz        | 18/Jan/2019      | 17/Jan/2020          |
| RF Cable-high                    | SUHNER          | SUCOFLEX104            | MY34918/4         | 1GHz~40GHz       | 18/Jan/2019      | 17/Jan/2020          |
| Bilog Antenna & 5dB Attenuator   | SCHAFFNER / MTJ | CBL 6112B / MTJ6102-05 | 2723 / 2          | 30MHz~1GHz       | 08/Sep/2018      | 07/Sep/2019          |
| Preamplifier                     | MITEQ           | TTA1840-35-HG          | 1864481           | 18GHz~40GHz      | 24/Aug/2018      | 23/Aug/2019          |
| EMI Test Receiver                | R&S             | ESR                    | 102052            | 9kHz~3.6GHz      | 09/Apr/2019      | 08/Apr/2020          |
| Loop Antenna                     | TESEQ           | HLA 6120               | 31244             | 9k~30MHz         | 15/Mar/2019      | 14/Mar/2020          |
| Broadband Horn Antenna           | SCHWARZBECK     | BBHA 9170              | BBHA 9170221      | 15GHz~40GHz      | 22/Mar/2019      | 21/Mar/2020          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK     | BBHA 9120 D            | BBHA 9120 D 01543 | 1GHz~18GHz       | 03/Jun/2019      | 02/Jun/2020          |

## AC Power-line Conducted Emissions Result

|                    |                             |             |         |
|--------------------|-----------------------------|-------------|---------|
| Operating Mode     | 1                           | Power Phase | Neutral |
| Operating Function | Switching Power Supply mode |             |         |

26/07/2019

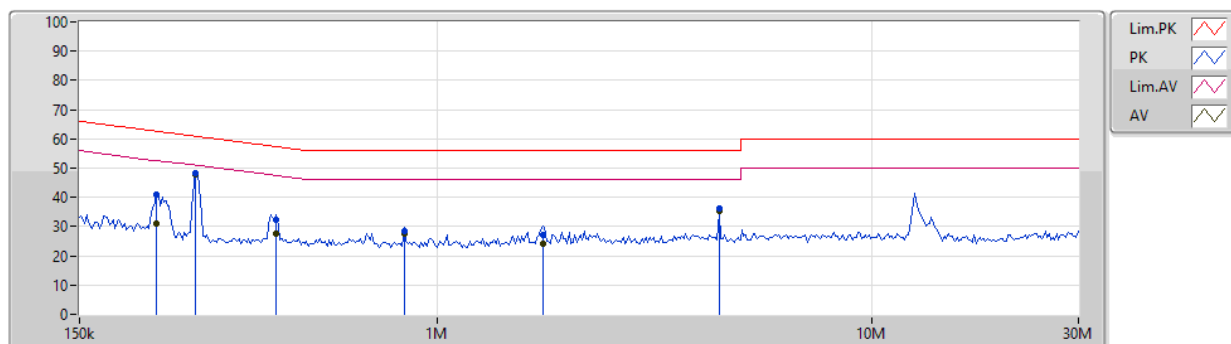


| Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Factor (dB) | Condition | Comment | Raw (dBuV) | LISN (dB) | CL (dB) | AT (dB) |  |  |  |
|------|-----------|--------------|--------------|-------------|-------------|-----------|---------|------------|-----------|---------|---------|--|--|--|
| QP   | 230.097k  | 40.53        | 62.44        | -21.91      | 19.47       | Neutral   | -       | 21.06      | 9.59      | 0.01    | 9.87    |  |  |  |
| AV   | 230.097k  | 32.69        | 52.44        | -19.75      | 19.47       | Neutral   | -       | 13.22      | 9.59      | 0.01    | 9.87    |  |  |  |
| QP   | 277.982k  | 49.10        | 60.88        | -11.78      | 19.47       | Neutral   | -       | 29.63      | 9.59      | 0.01    | 9.87    |  |  |  |
| AV   | 277.982k  | 47.86        | 50.88        | -3.02       | 19.47       | Neutral   | "Worst" | 28.39      | 9.59      | 0.01    | 9.87    |  |  |  |
| QP   | 426.418k  | 32.79        | 57.32        | -24.53      | 19.48       | Neutral   | -       | 13.31      | 9.59      | 0.01    | 9.88    |  |  |  |
| AV   | 426.418k  | 27.83        | 47.32        | -19.49      | 19.48       | Neutral   | -       | 8.35       | 9.59      | 0.01    | 9.88    |  |  |  |
| QP   | 838.859k  | 29.11        | 56.00        | -26.89      | 19.49       | Neutral   | -       | 9.62       | 9.59      | 0.02    | 9.88    |  |  |  |
| AV   | 838.859k  | 27.89        | 46.00        | -18.11      | 19.49       | Neutral   | -       | 8.40       | 9.59      | 0.02    | 9.88    |  |  |  |
| QP   | 2.18M     | 32.52        | 56.00        | -23.48      | 19.53       | Neutral   | -       | 12.99      | 9.61      | 0.03    | 9.89    |  |  |  |
| AV   | 2.18M     | 26.80        | 46.00        | -19.20      | 19.53       | Neutral   | -       | 7.27       | 9.61      | 0.03    | 9.89    |  |  |  |
| QP   | 4.464M    | 35.96        | 56.00        | -20.04      | 19.56       | Neutral   | -       | 16.40      | 9.62      | 0.05    | 9.89    |  |  |  |
| AV   | 4.464M    | 35.26        | 46.00        | -10.74      | 19.56       | Neutral   | -       | 15.70      | 9.62      | 0.05    | 9.89    |  |  |  |

## AC Power-line Conducted Emissions Result

|                    |                             |             |      |
|--------------------|-----------------------------|-------------|------|
| Operating Mode     | 1                           | Power Phase | Line |
| Operating Function | Switching Power Supply mode |             |      |

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| Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Factor (dB) | Condition | Comment | Raw (dBuV) | LISN (dB) | CL (dB) | AT (dB) |  |  |  |
|------|-----------|--------------|--------------|-------------|-------------|-----------|---------|------------|-----------|---------|---------|--|--|--|
| QP   | 225.563k  | 41.08        | 62.62        | -21.54      | 19.48       | Line      | -       | 21.60      | 9.60      | 0.01    | 9.87    |  |  |  |
| AV   | 225.563k  | 30.91        | 52.62        | -21.71      | 19.48       | Line      | -       | 11.43      | 9.60      | 0.01    | 9.87    |  |  |  |
| QP   | 277.982k  | 48.40        | 60.88        | -12.48      | 19.48       | Line      | -       | 28.92      | 9.60      | 0.01    | 9.87    |  |  |  |
| AV   | 277.982k  | 47.76        | 50.88        | -3.12       | 19.48       | Line      | "Worst" | 28.28      | 9.60      | 0.01    | 9.87    |  |  |  |
| QP   | 426.418k  | 32.43        | 57.32        | -24.89      | 19.48       | Line      | -       | 12.95      | 9.59      | 0.01    | 9.88    |  |  |  |
| AV   | 426.418k  | 27.46        | 47.32        | -19.86      | 19.48       | Line      | -       | 7.98       | 9.59      | 0.01    | 9.88    |  |  |  |
| QP   | 838.859k  | 28.59        | 56.00        | -27.41      | 19.50       | Line      | -       | 9.09       | 9.60      | 0.02    | 9.88    |  |  |  |
| AV   | 838.859k  | 27.42        | 46.00        | -18.58      | 19.50       | Line      | -       | 7.92       | 9.60      | 0.02    | 9.88    |  |  |  |
| QP   | 1.752M    | 27.13        | 56.00        | -28.87      | 19.54       | Line      | -       | 7.59       | 9.62      | 0.03    | 9.89    |  |  |  |
| AV   | 1.752M    | 24.24        | 46.00        | -21.76      | 19.54       | Line      | -       | 4.70       | 9.62      | 0.03    | 9.89    |  |  |  |
| QP   | 4.464M    | 36.02        | 56.00        | -19.98      | 19.58       | Line      | -       | 16.44      | 9.64      | 0.05    | 9.89    |  |  |  |
| AV   | 4.464M    | 35.21        | 46.00        | -10.79      | 19.58       | Line      | -       | 15.63      | 9.64      | 0.05    | 9.89    |  |  |  |

**Summary**

| Mode                         | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                 | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX     | 22.8M            | 16.492M         | 16M5D1D  | 22.26M           | 16.462M         |
| 802.11n HT20_Nss1,(MCS0)_1TX | 23.55M           | 17.691M         | 17M7D1D  | 22.89M           | 17.601M         |
| 802.11n HT40_Nss1,(MCS0)_1TX | 46.8M            | 36.222M         | 36M2D1D  | 45.66M           | 36.162M         |
| 5.725-5.85GHz                | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX     | 15.9M            | 20.66M          | 20M7D1D  | 15.24M           | 18.861M         |
| 802.11n HT20_Nss1,(MCS0)_1TX | 16.74M           | 21.649M         | 21M6D1D  | 16.29M           | 19.46M          |
| 802.11n HT40_Nss1,(MCS0)_1TX | 35.7M            | 39.46M          | 39M5D1D  | 35.34M           | 38.801M         |

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

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

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

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

**Result**

| Mode                         | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|------------------------------|--------|---------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -      | -             | -                   | -                  |
| 5180MHz                      | Pass   | Inf           | 22.26M              | 16.492M            |
| 5200MHz                      | Pass   | Inf           | 22.8M               | 16.462M            |
| 5240MHz                      | Pass   | Inf           | 22.5M               | 16.492M            |
| 5745MHz                      | Pass   | 500k          | 15.24M              | 19.76M             |
| 5785MHz                      | Pass   | 500k          | 15.9M               | 18.861M            |
| 5805MHz                      | Pass   | 500k          | 15.66M              | 20.66M             |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5180MHz                      | Pass   | Inf           | 22.89M              | 17.601M            |
| 5200MHz                      | Pass   | Inf           | 23.25M              | 17.691M            |
| 5240MHz                      | Pass   | Inf           | 23.55M              | 17.631M            |
| 5745MHz                      | Pass   | 500k          | 16.74M              | 20.42M             |
| 5785MHz                      | Pass   | 500k          | 16.53M              | 19.46M             |
| 5805MHz                      | Pass   | 500k          | 16.29M              | 21.649M            |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5190MHz                      | Pass   | Inf           | 45.66M              | 36.162M            |
| 5230MHz                      | Pass   | Inf           | 46.8M               | 36.222M            |
| 5755MHz                      | Pass   | 500k          | 35.34M              | 38.801M            |
| 5795MHz                      | Pass   | 500k          | 35.7M               | 39.46M             |

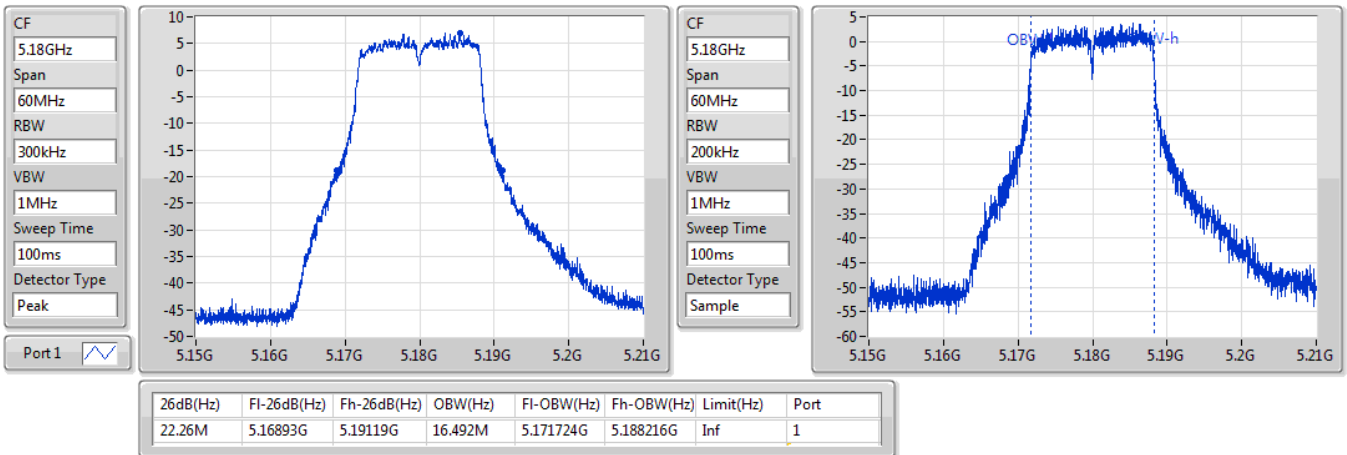
**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

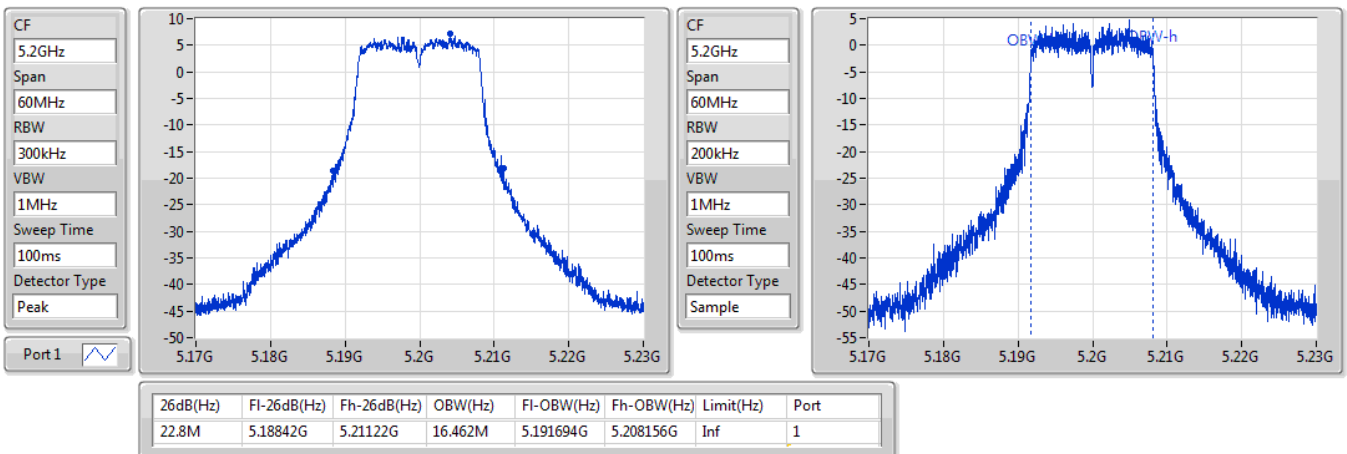


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5180MHz**

29/07/2019

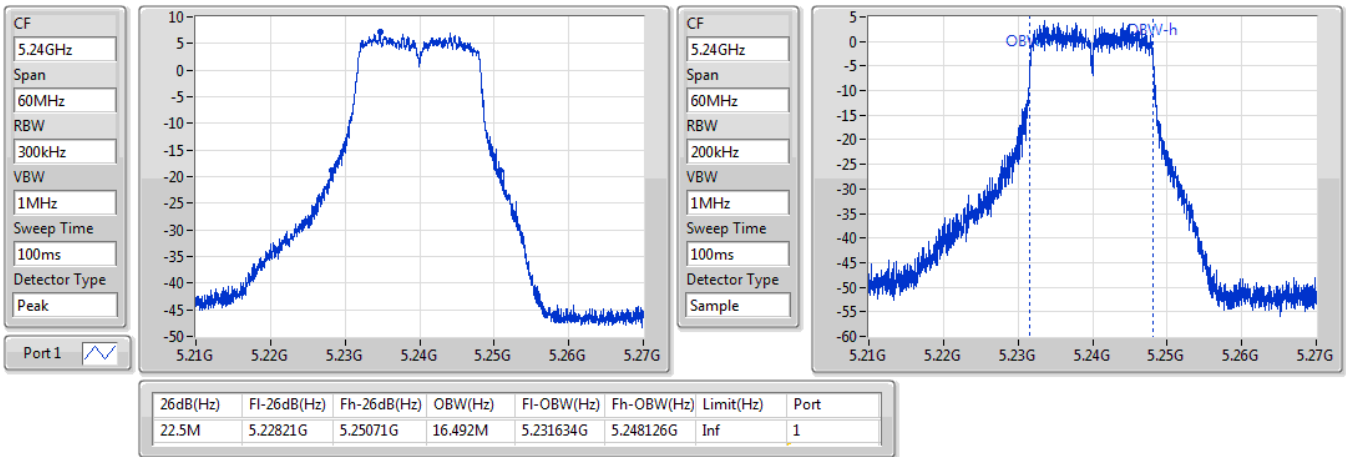

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5200MHz**

29/07/2019

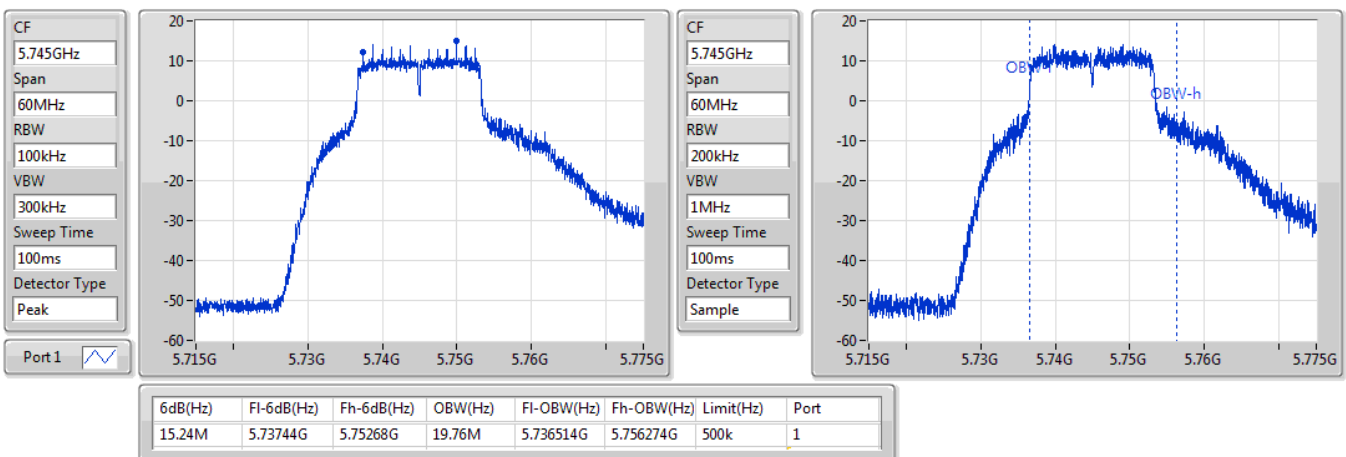


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5240MHz**

29/07/2019

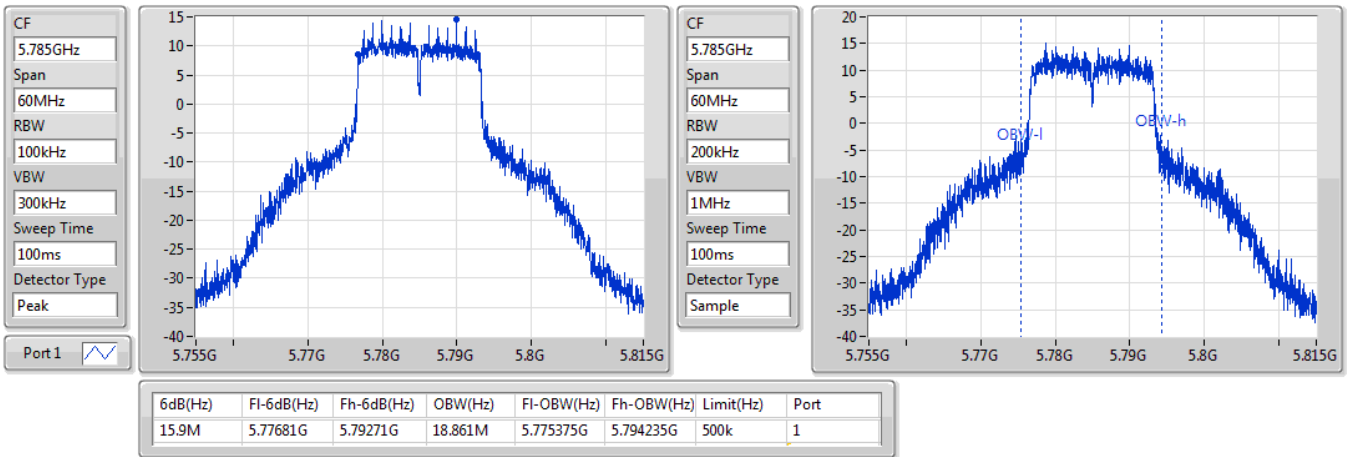

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5745MHz**

26/07/2019

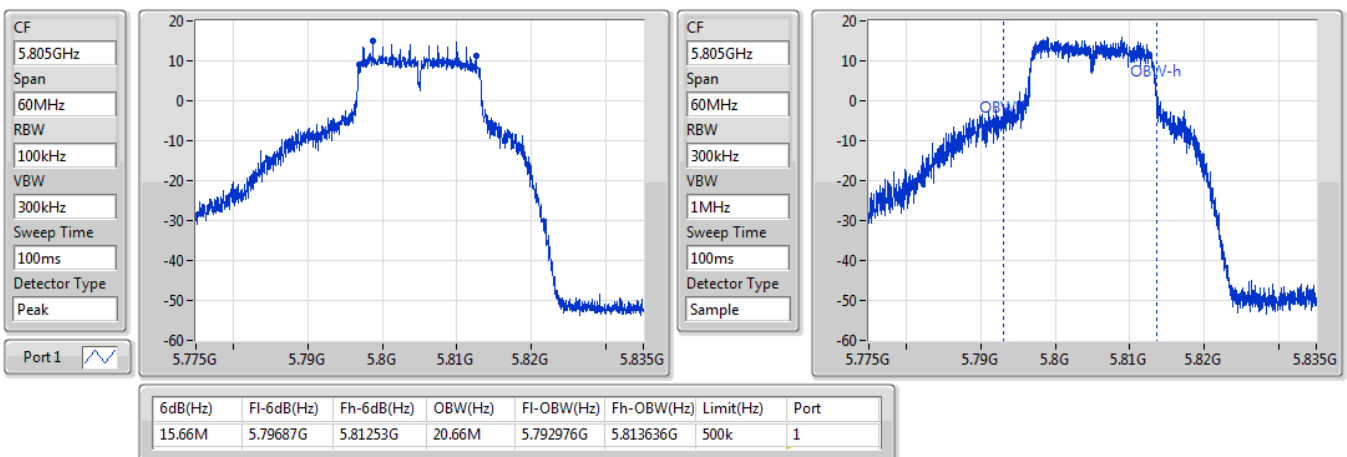


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5785MHz**

26/07/2019

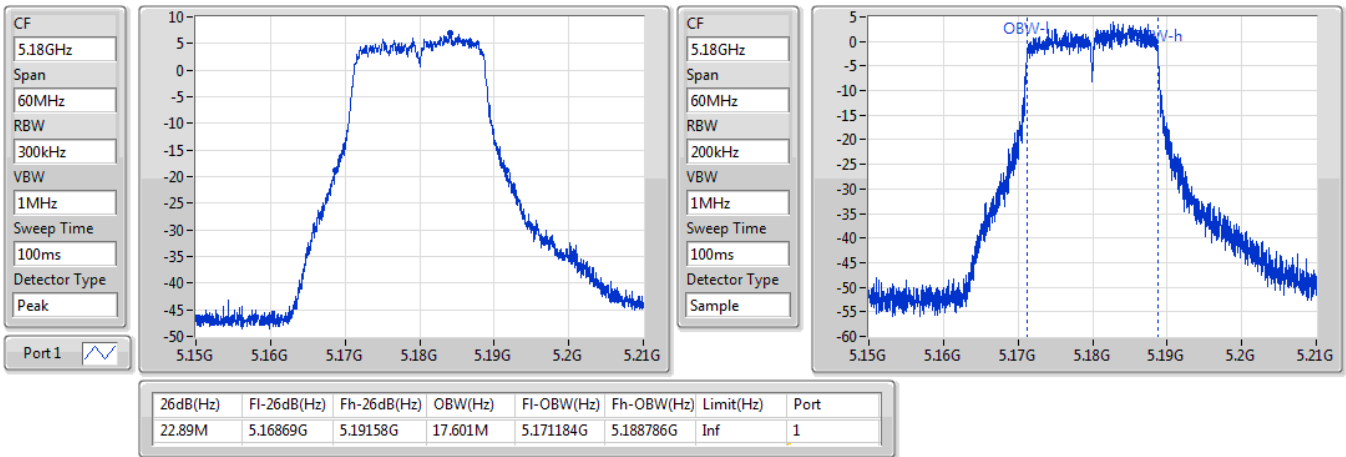

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5805MHz**

26/07/2019

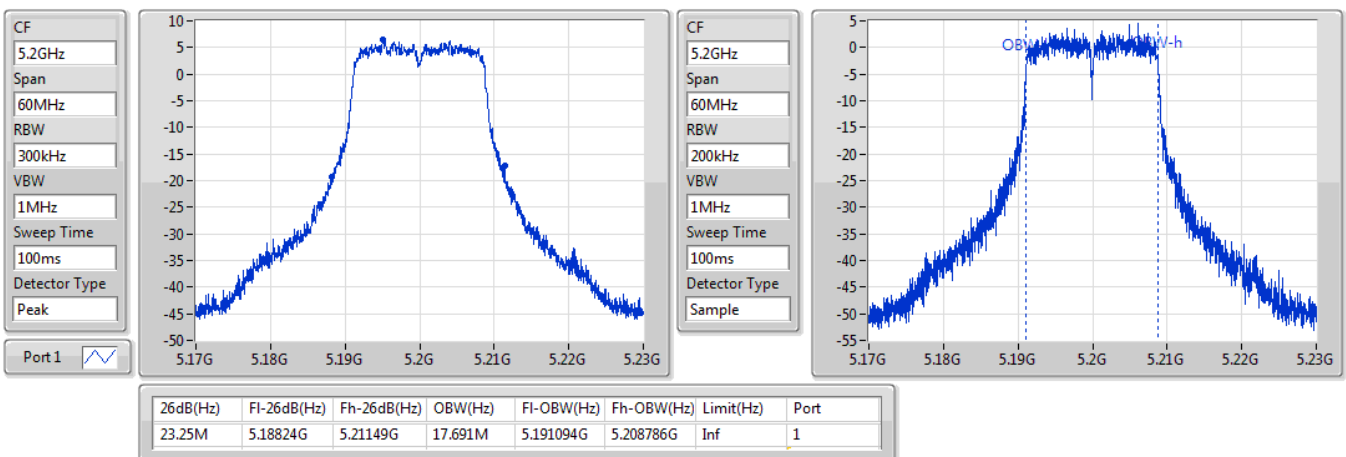


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5180MHz**

29/07/2019

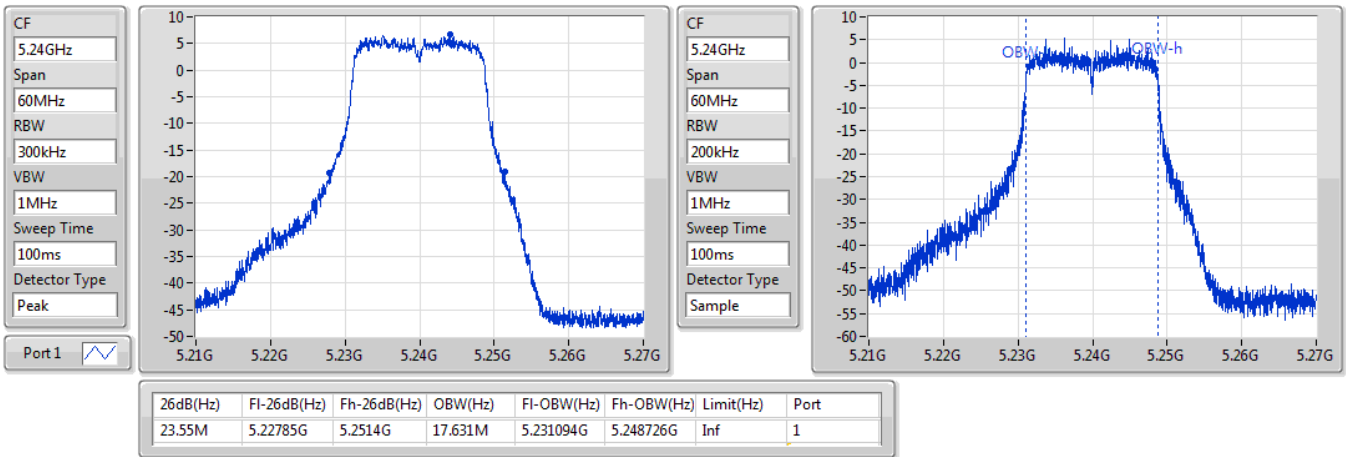

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5200MHz**

29/07/2019

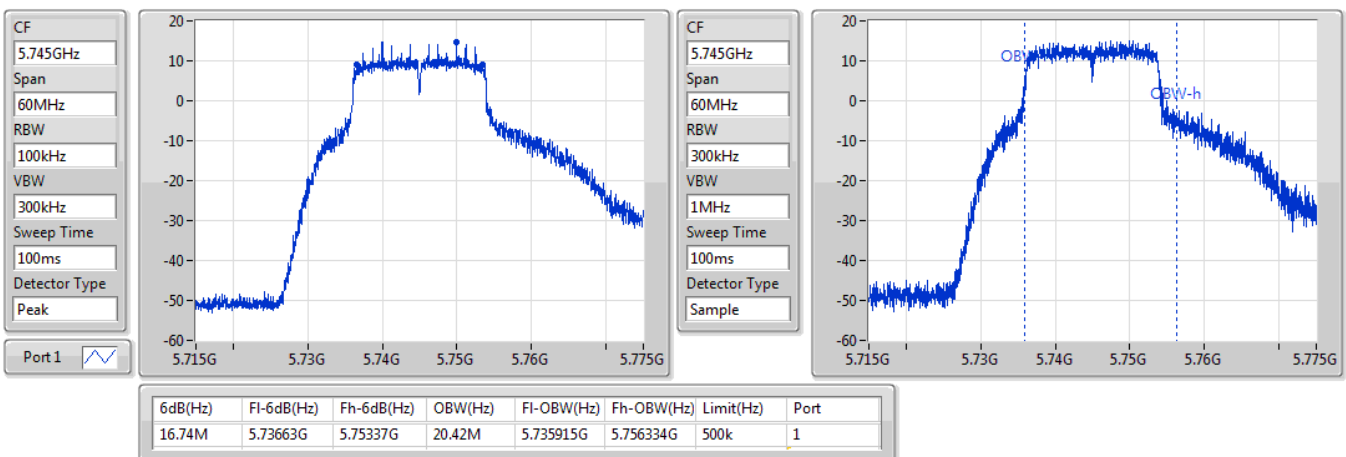


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5240MHz**

29/07/2019

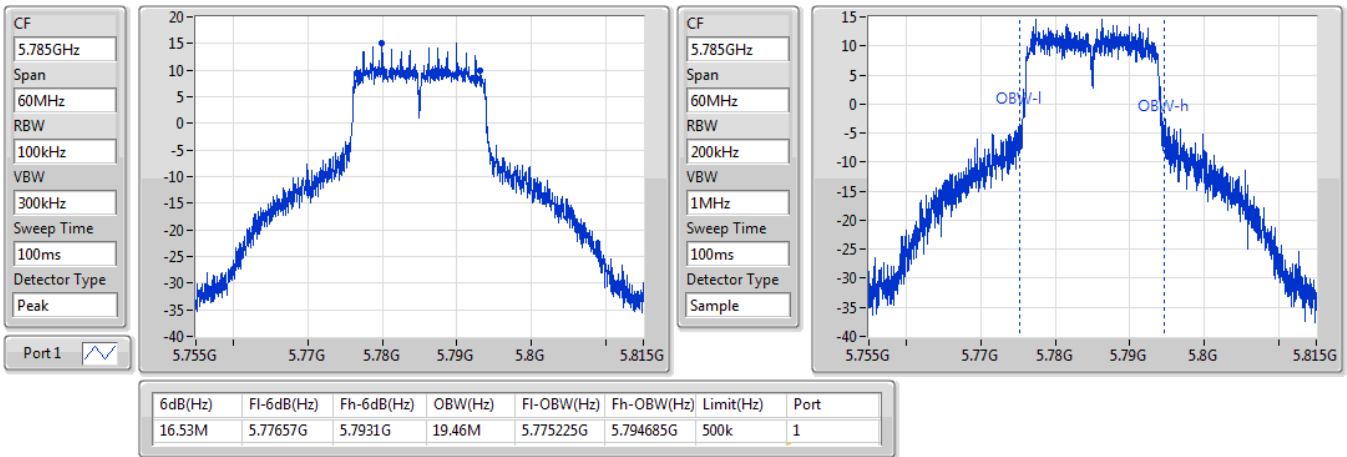

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5745MHz**

24/07/2019

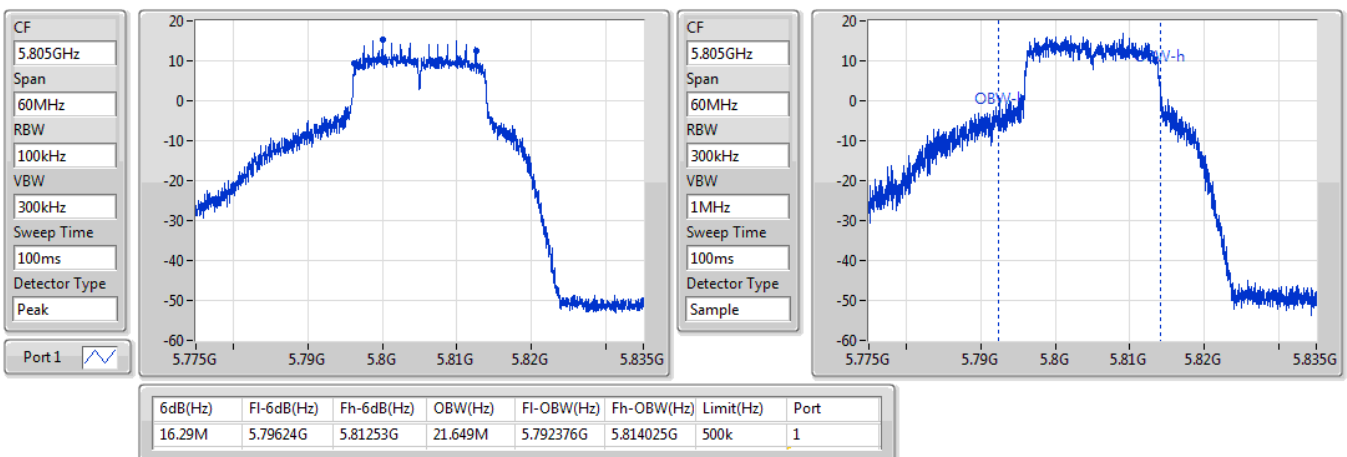


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5785MHz**

24/07/2019

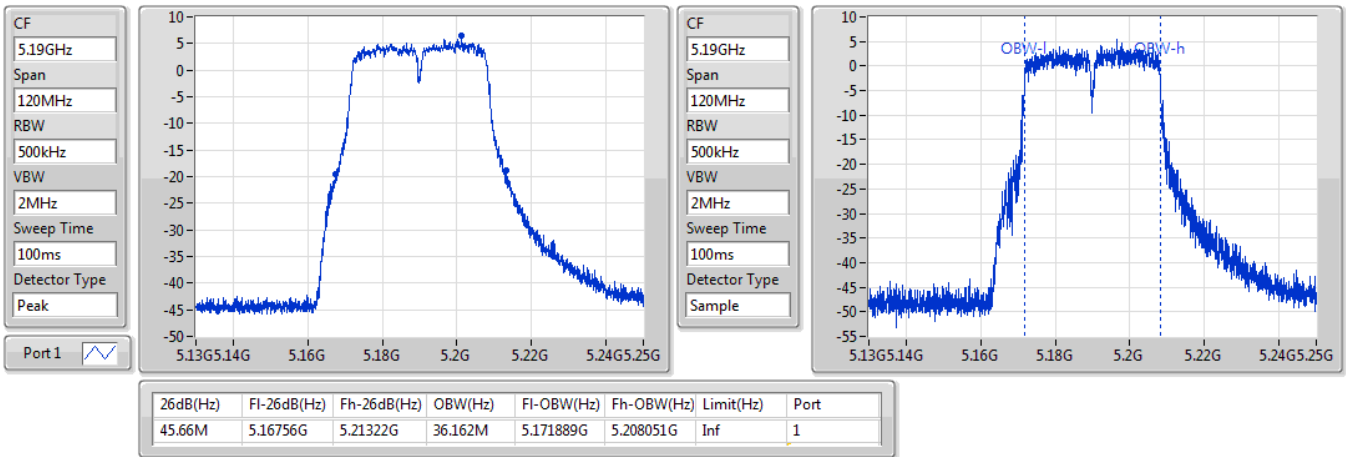

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5805MHz**

24/07/2019

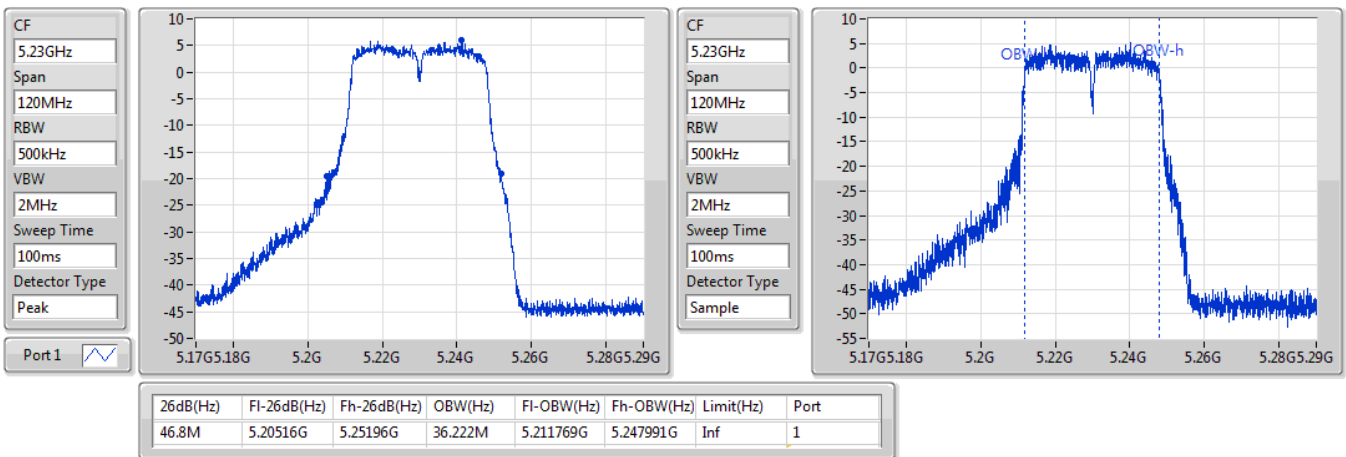


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5190MHz**

29/07/2019

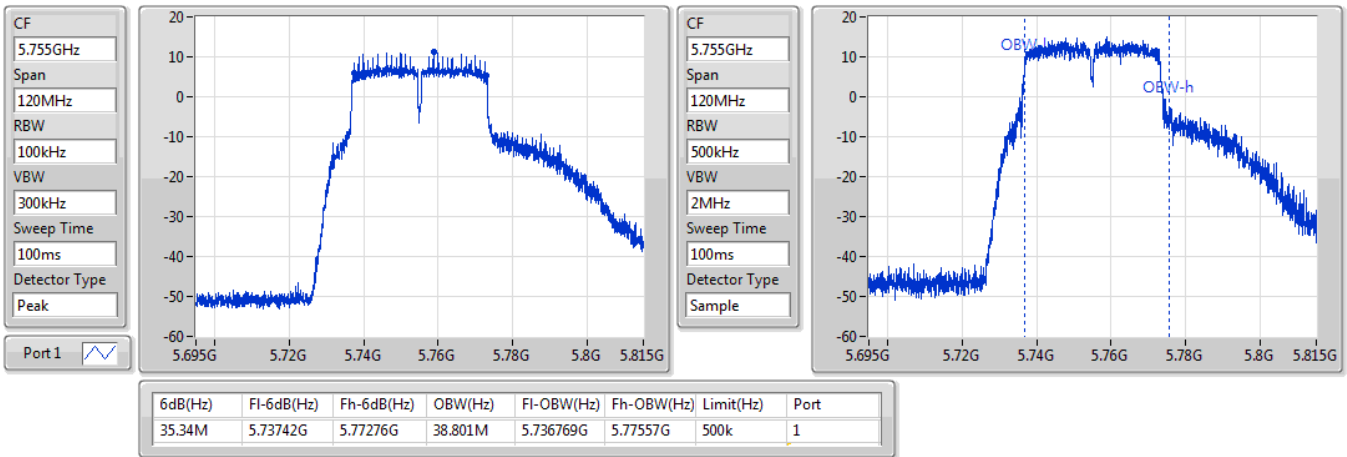

**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5230MHz**

29/07/2019

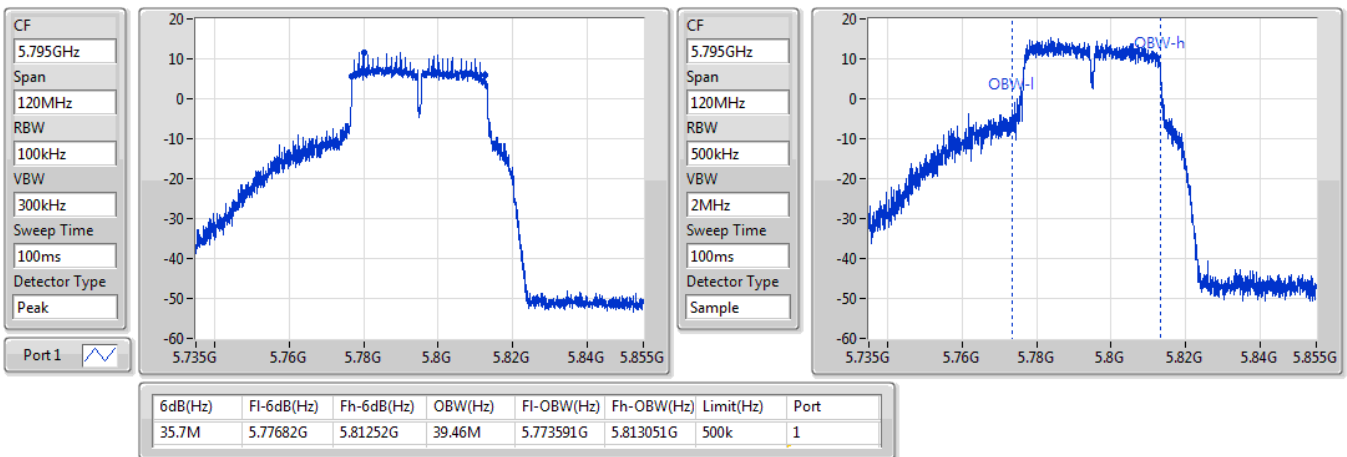


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5755MHz**

24/07/2019


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5795MHz**

24/07/2019





**Summary**

| Mode                         | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                 | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX     | 29.73M           | 16.852M         | 16M9D1D  | 24.42M           | 16.552M         |
| 802.11n HT20_Nss1,(MCS0)_1TX | 35.25M           | 17.931M         | 17M9D1D  | 27.03M           | 17.721M         |
| 802.11n HT40_Nss1,(MCS0)_1TX | 62.64M           | 36.282M         | 36M3D1D  | 62.22M           | 36.282M         |
| 5.725-5.85GHz                | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX     | 15.9M            | 20.66M          | 20M7D1D  | 15.24M           | 18.861M         |
| 802.11n HT20_Nss1,(MCS0)_1TX | 16.74M           | 21.649M         | 21M6D1D  | 16.29M           | 19.46M          |
| 802.11n HT40_Nss1,(MCS0)_1TX | 35.7M            | 39.46M          | 39M5D1D  | 35.34M           | 38.801M         |

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

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

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

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

**Result**

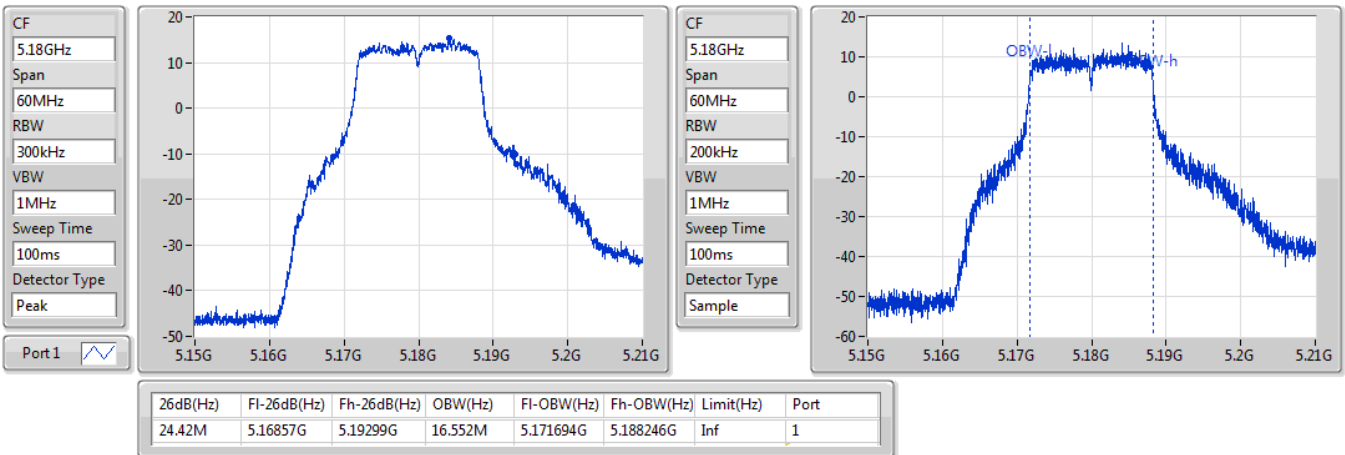
| Mode                         | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|------------------------------|--------|---------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -      | -             | -                   | -                  |
| 5180MHz                      | Pass   | Inf           | 24.42M              | 16.552M            |
| 5200MHz                      | Pass   | Inf           | 25.65M              | 16.582M            |
| 5240MHz                      | Pass   | Inf           | 29.73M              | 16.852M            |
| 5745MHz                      | Pass   | 500k          | 15.24M              | 19.76M             |
| 5785MHz                      | Pass   | 500k          | 15.9M               | 18.861M            |
| 5805MHz                      | Pass   | 500k          | 15.66M              | 20.66M             |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5180MHz                      | Pass   | Inf           | 27.03M              | 17.751M            |
| 5200MHz                      | Pass   | Inf           | 28.95M              | 17.721M            |
| 5240MHz                      | Pass   | Inf           | 35.25M              | 17.931M            |
| 5745MHz                      | Pass   | 500k          | 16.74M              | 20.42M             |
| 5785MHz                      | Pass   | 500k          | 16.53M              | 19.46M             |
| 5805MHz                      | Pass   | 500k          | 16.29M              | 21.649M            |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5190MHz                      | Pass   | Inf           | 62.22M              | 36.282M            |
| 5230MHz                      | Pass   | Inf           | 62.64M              | 36.282M            |
| 5755MHz                      | Pass   | 500k          | 35.34M              | 38.801M            |
| 5795MHz                      | Pass   | 500k          | 35.7M               | 39.46M             |

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

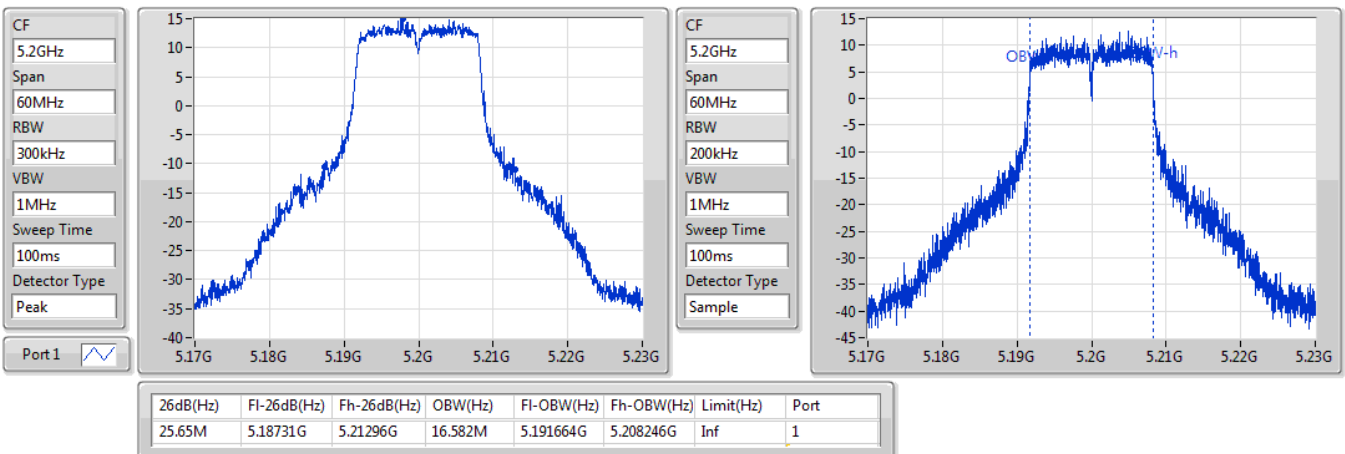
**Port X-OBW** = Port X 99% occupied bandwidth;

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5180MHz**

29/07/2019

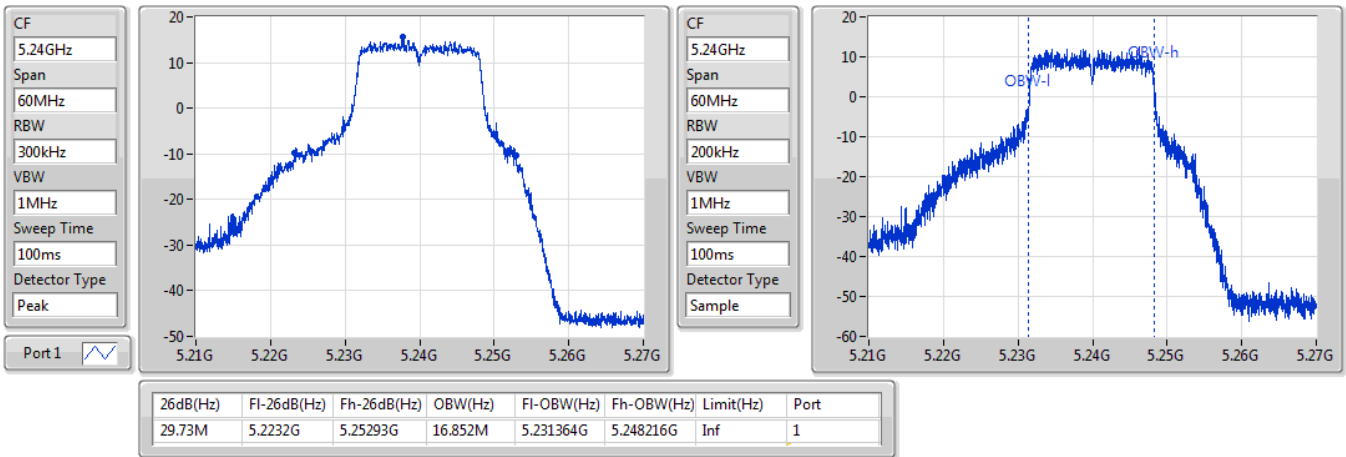

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5200MHz**

29/07/2019

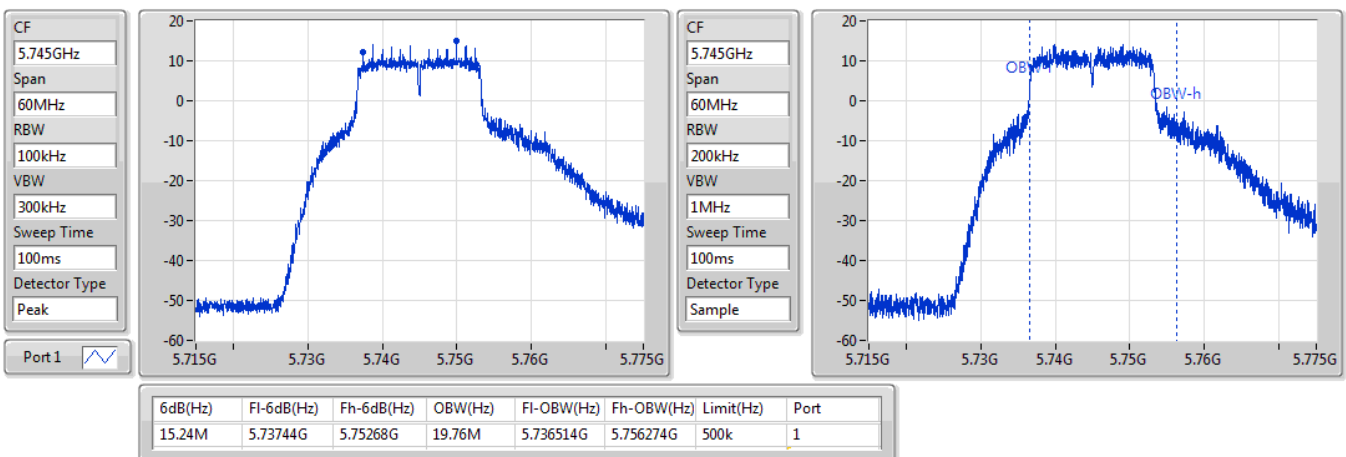


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5240MHz**

29/07/2019

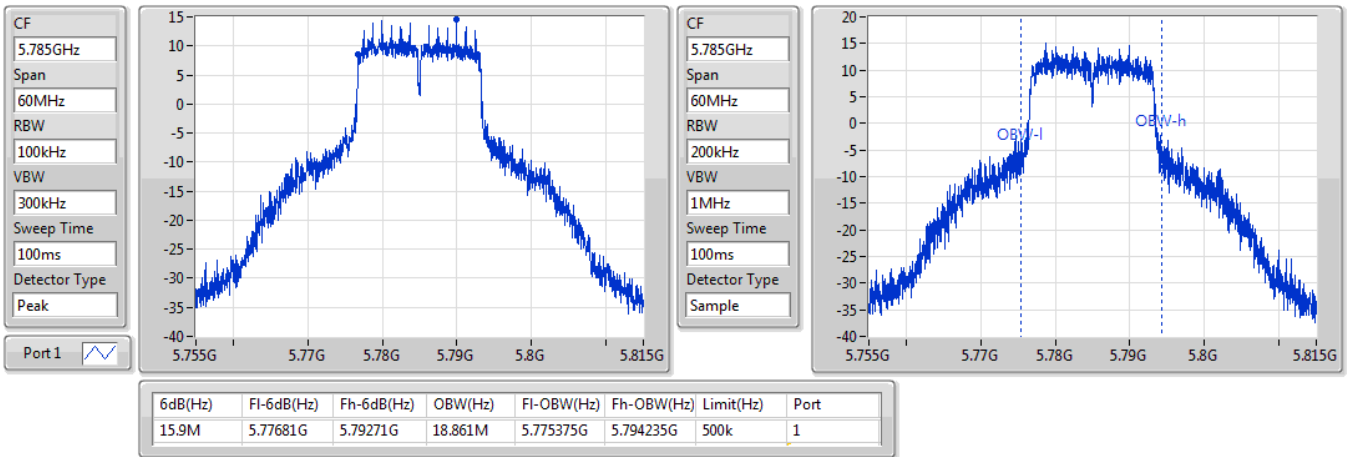

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5745MHz**

26/07/2019

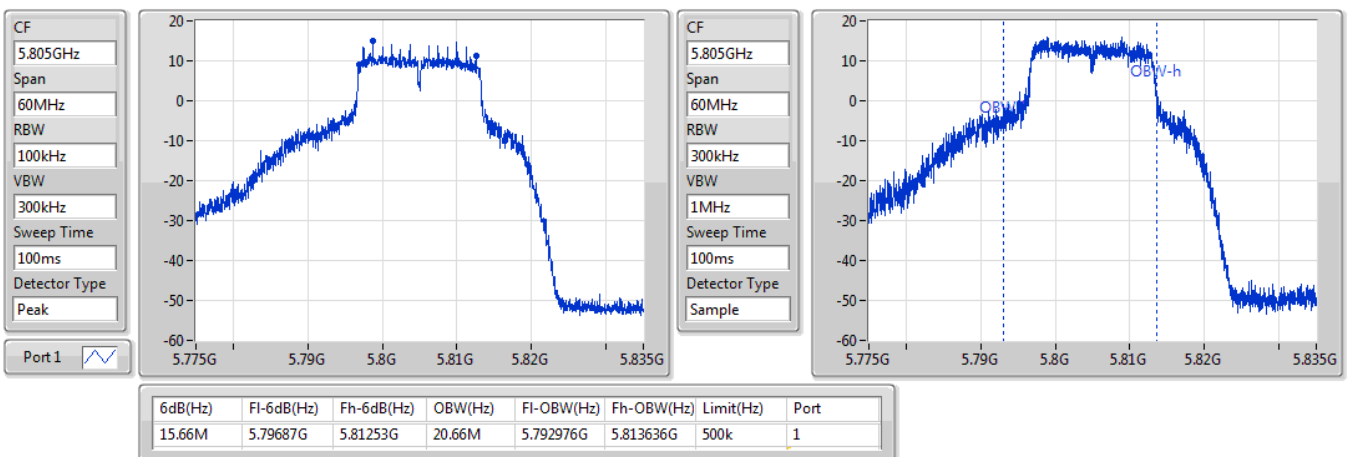


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5785MHz**

26/07/2019

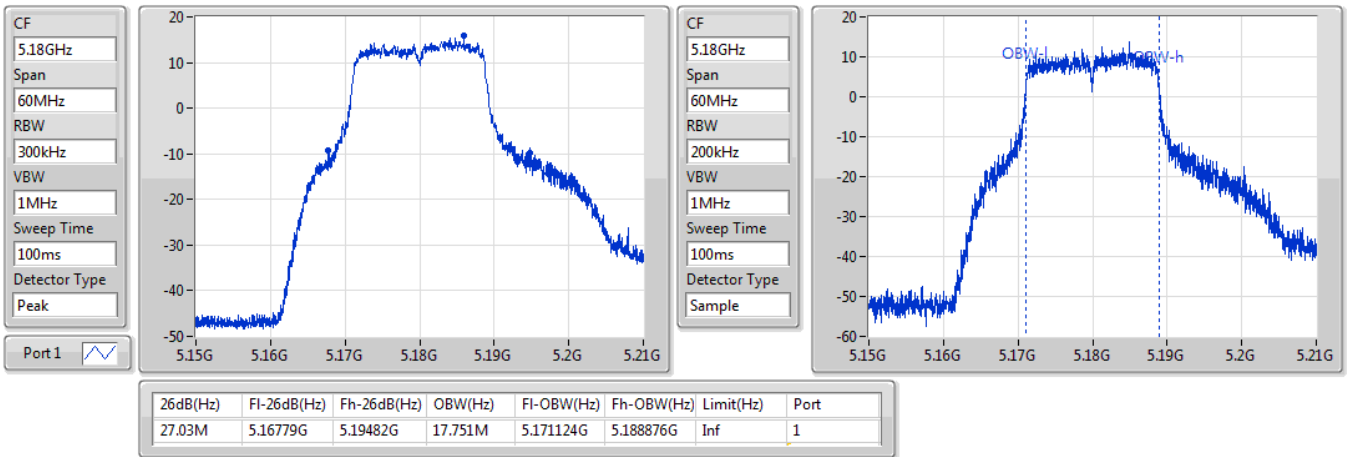

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5805MHz**

26/07/2019

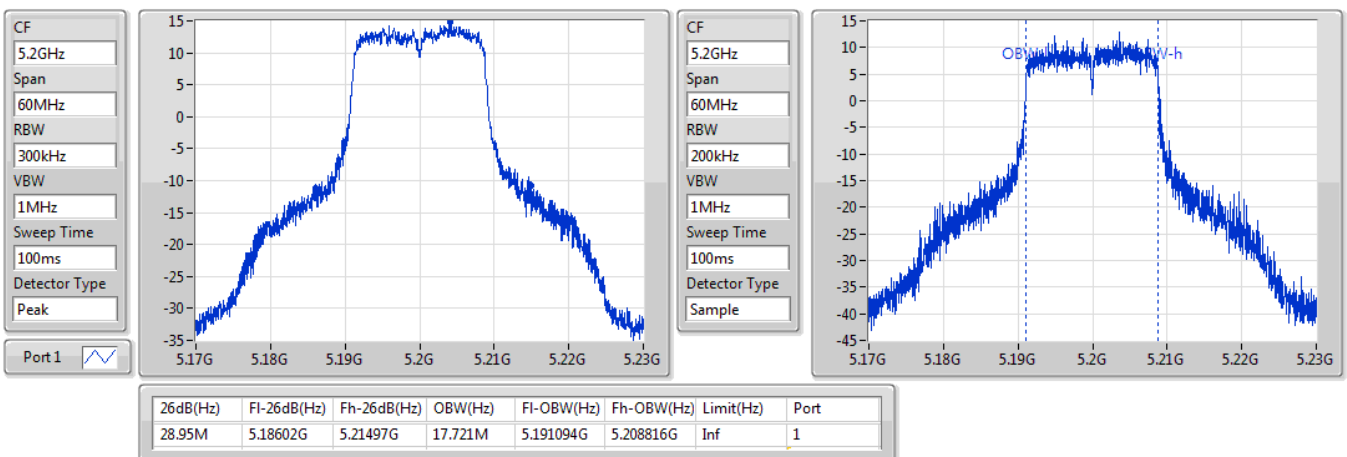


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5180MHz**

29/07/2019

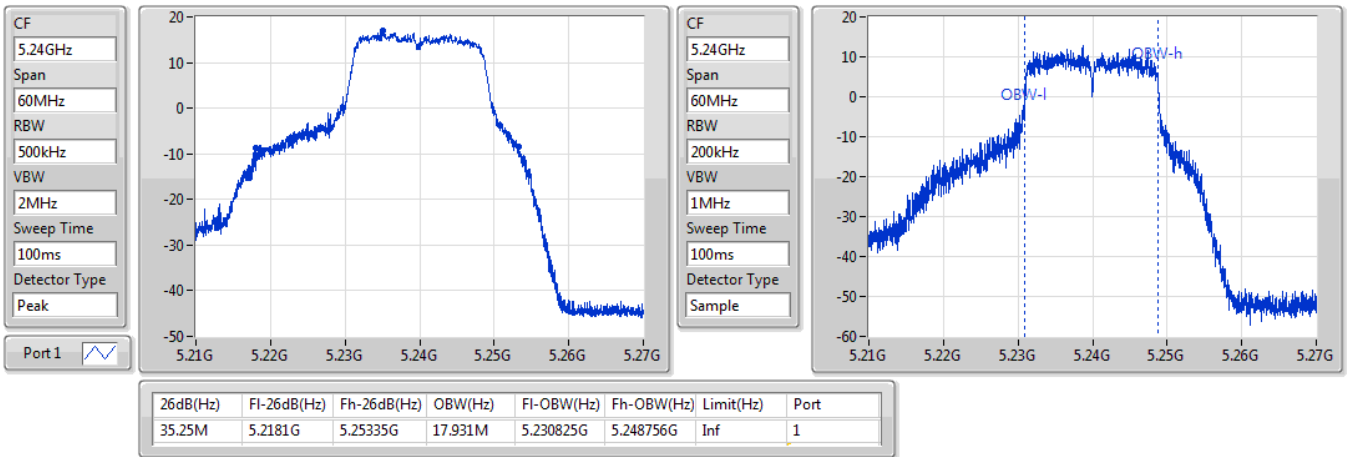

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5200MHz**

29/07/2019

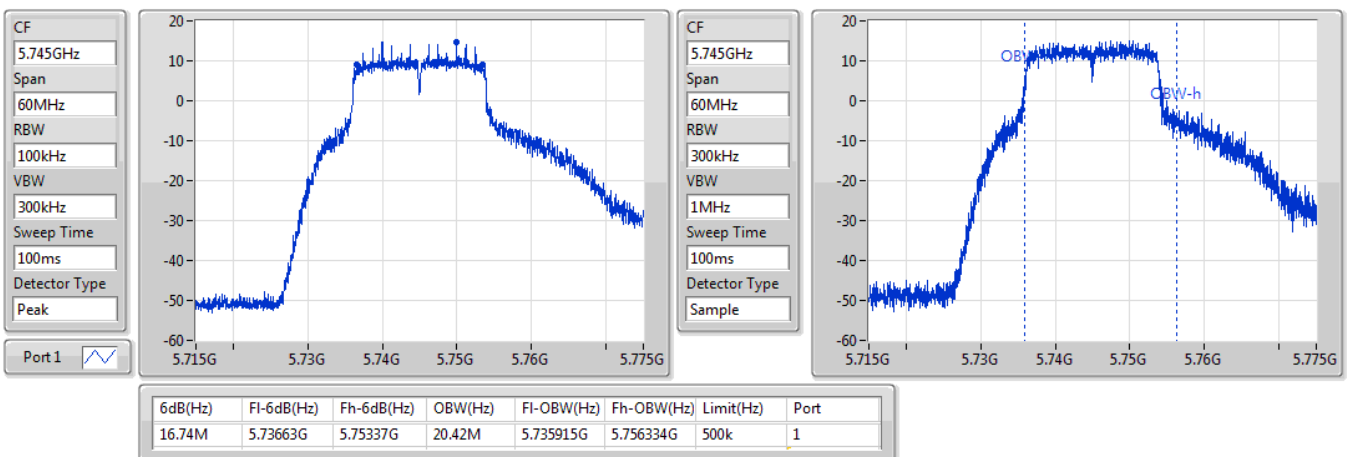


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5240MHz**

29/07/2019

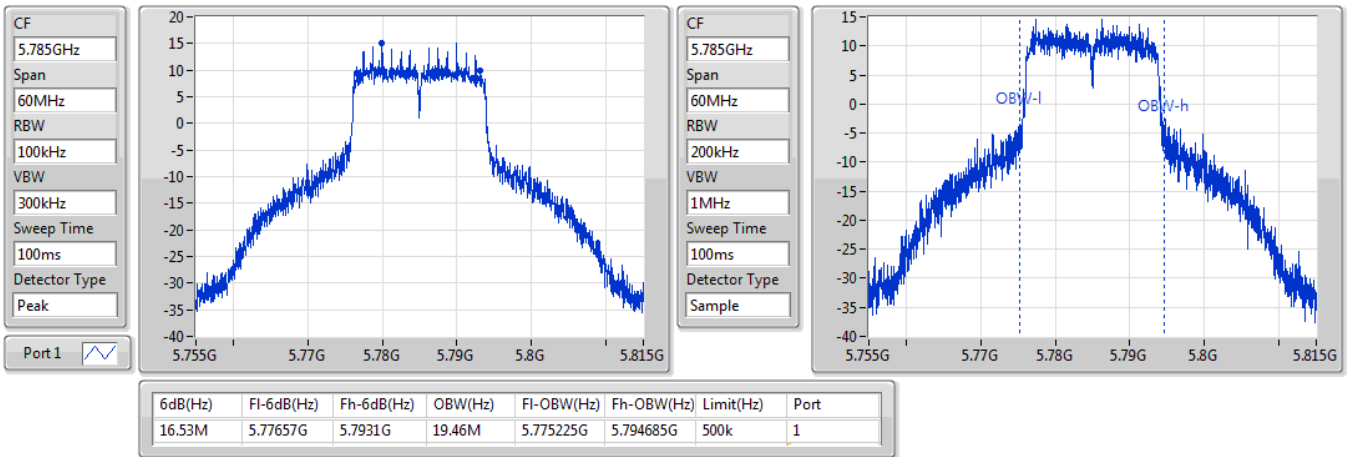

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5745MHz**

24/07/2019

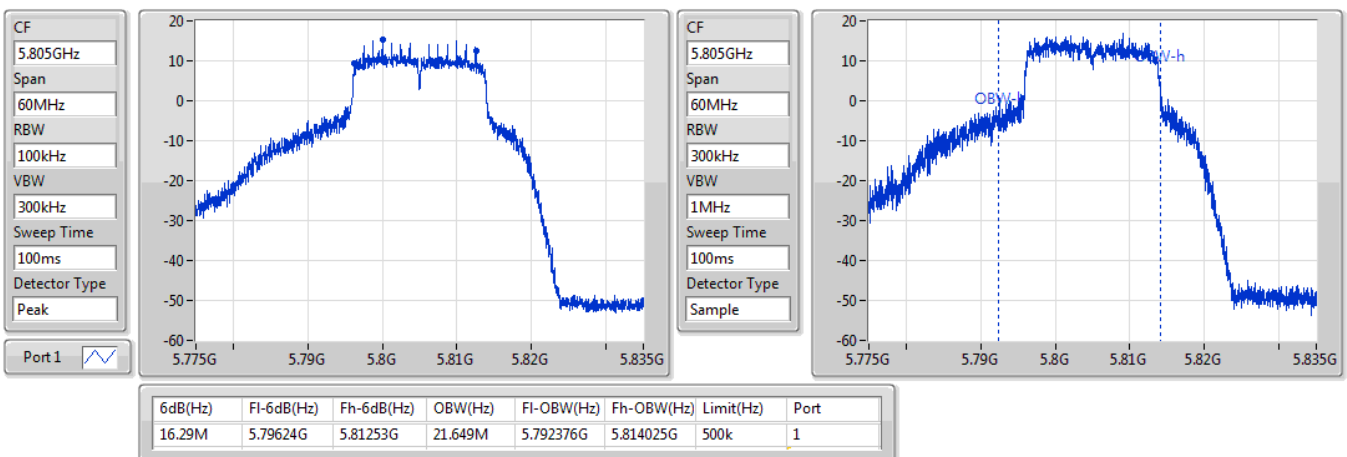


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5785MHz**

24/07/2019


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5805MHz**

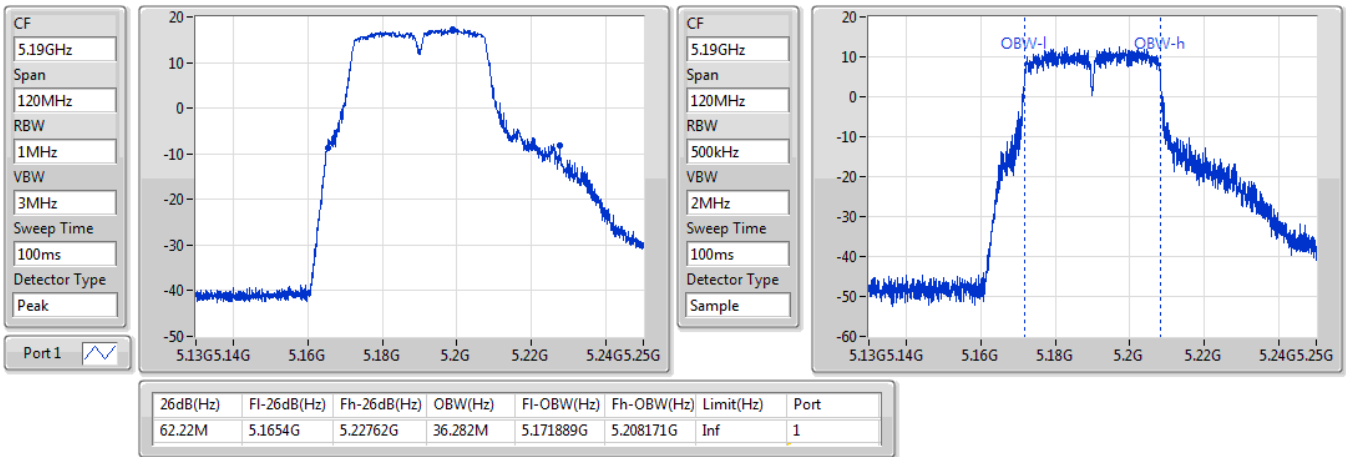
24/07/2019



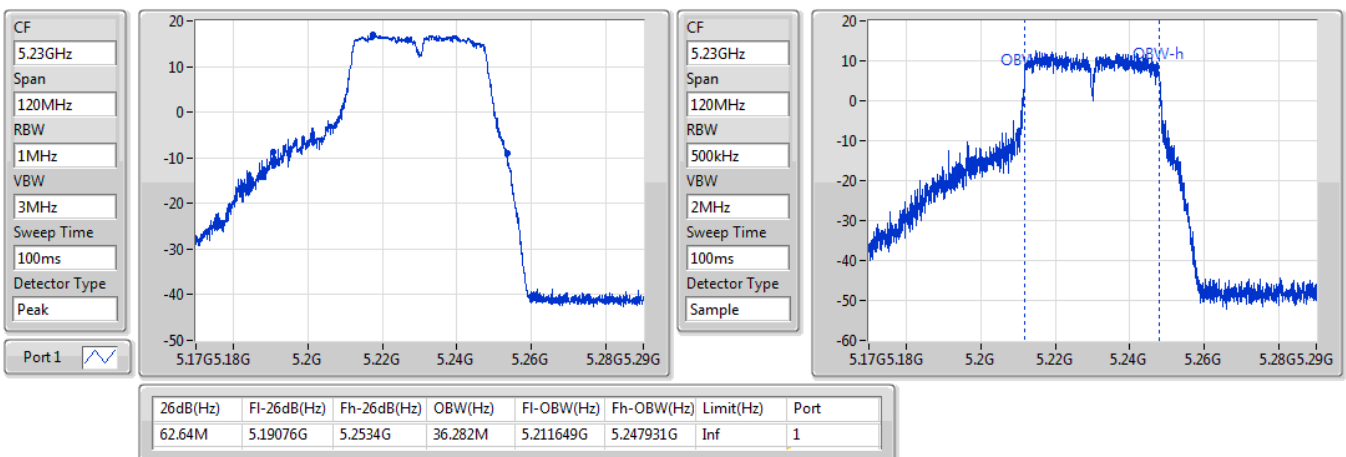


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5190MHz**

29/07/2019

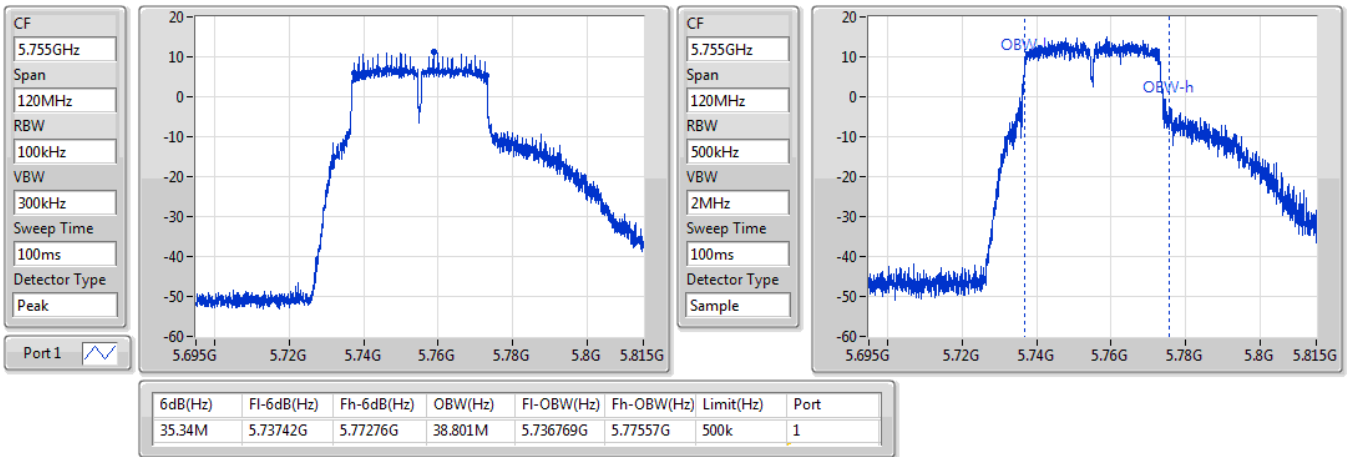

**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5230MHz**

29/07/2019

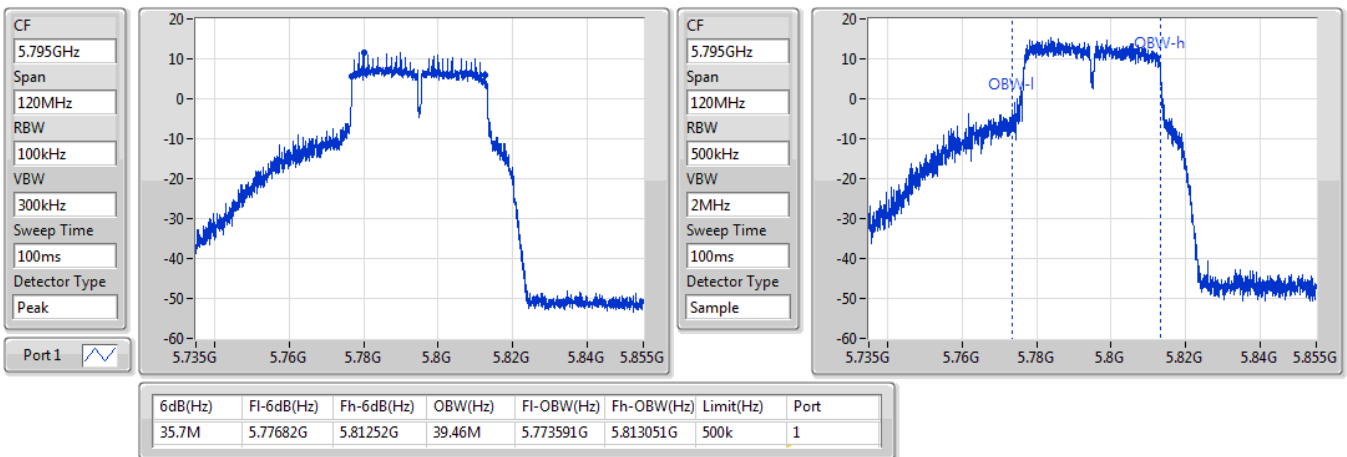


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5755MHz**

24/07/2019


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5795MHz**

24/07/2019





**Summary**

| Mode                         | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|------------------------------|----------------------|--------------------|---------------|-------------|
| 5.15-5.25GHz                 | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_1TX     | 15.90                | 0.03890            | 20.90         | 0.12303     |
| 802.11n HT20_Nss1,(MCS0)_1TX | 15.87                | 0.03864            | 20.87         | 0.12218     |
| 802.11n HT40_Nss1,(MCS0)_1TX | 15.81                | 0.03811            | 20.81         | 0.12050     |
| 5.725-5.85GHz                | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_1TX     | 25.36                | 0.34356            | 30.36         | 1.08643     |
| 802.11n HT20_Nss1,(MCS0)_1TX | 25.19                | 0.33037            | 30.19         | 1.04472     |
| 802.11n HT40_Nss1,(MCS0)_1TX | 25.00                | 0.31623            | 30.00         | 1.00000     |

### Result

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|------------------------------|--------|-------------|-----------------|----------------------|----------------------|---------------|---------------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -      | -           | -               | -                    | -                    | -             | -                   |
| 5180MHz                      | Pass   | 5.00        | 15.72           | 15.72                | 30.00                | 20.72         | 36.00               |
| 5200MHz                      | Pass   | 5.00        | 15.90           | 15.90                | 30.00                | 20.90         | 36.00               |
| 5240MHz                      | Pass   | 5.00        | 15.82           | 15.82                | 30.00                | 20.82         | 36.00               |
| 5745MHz                      | Pass   | 5.00        | 24.97           | 24.97                | 30.00                | 29.97         | 36.00               |
| 5785MHz                      | Pass   | 5.00        | 25.19           | 25.19                | 30.00                | 30.19         | 36.00               |
| 5805MHz                      | Pass   | 5.00        | 25.36           | 25.36                | 30.00                | 30.36         | 36.00               |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5180MHz                      | Pass   | 5.00        | 15.87           | 15.87                | 30.00                | 20.87         | 36.00               |
| 5200MHz                      | Pass   | 5.00        | 15.71           | 15.71                | 30.00                | 20.71         | 36.00               |
| 5240MHz                      | Pass   | 5.00        | 15.80           | 15.80                | 30.00                | 20.80         | 36.00               |
| 5745MHz                      | Pass   | 5.00        | 24.63           | 24.63                | 30.00                | 29.63         | 36.00               |
| 5785MHz                      | Pass   | 5.00        | 24.78           | 24.78                | 30.00                | 29.78         | 36.00               |
| 5805MHz                      | Pass   | 5.00        | 25.19           | 25.19                | 30.00                | 30.19         | 36.00               |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5190MHz                      | Pass   | 5.00        | 15.76           | 15.76                | 30.00                | 20.76         | 36.00               |
| 5230MHz                      | Pass   | 5.00        | 15.81           | 15.81                | 30.00                | 20.81         | 36.00               |
| 5755MHz                      | Pass   | 5.00        | 24.74           | 24.74                | 30.00                | 29.74         | 36.00               |
| 5795MHz                      | Pass   | 5.00        | 25.00           | 25.00                | 30.00                | 30.00         | 36.00               |

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



**Summary**

| Mode                         | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|------------------------------|----------------------|--------------------|---------------|-------------|
| 5.15-5.25GHz                 | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_1TX     | 23.96                | 0.24889            | 28.96         | 0.78705     |
| 802.11n HT20_Nss1,(MCS0)_1TX | 23.96                | 0.24889            | 28.96         | 0.78705     |
| 802.11n HT40_Nss1,(MCS0)_1TX | 23.97                | 0.24946            | 28.97         | 0.78886     |
| 5.725-5.85GHz                | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_1TX     | 25.36                | 0.34356            | 30.36         | 1.08643     |
| 802.11n HT20_Nss1,(MCS0)_1TX | 25.19                | 0.33037            | 30.19         | 1.04472     |
| 802.11n HT40_Nss1,(MCS0)_1TX | 25.00                | 0.31623            | 30.00         | 1.00000     |

### Result

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|------------------------------|--------|-------------|-----------------|----------------------|----------------------|---------------|---------------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -      | -           | -               | -                    | -                    | -             | -                   |
| 5180MHz                      | Pass   | 5.00        | 23.96           | 23.96                | 24.00                | 28.96         | 30.00               |
| 5200MHz                      | Pass   | 5.00        | 23.81           | 23.81                | 24.00                | 28.81         | 30.00               |
| 5240MHz                      | Pass   | 5.00        | 23.82           | 23.82                | 24.00                | 28.82         | 30.00               |
| 5745MHz                      | Pass   | 5.00        | 24.97           | 24.97                | 30.00                | 29.97         | 36.00               |
| 5785MHz                      | Pass   | 5.00        | 25.19           | 25.19                | 30.00                | 30.19         | 36.00               |
| 5805MHz                      | Pass   | 5.00        | 25.36           | 25.36                | 30.00                | 30.36         | 36.00               |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5180MHz                      | Pass   | 5.00        | 23.96           | 23.96                | 24.00                | 28.96         | 30.00               |
| 5200MHz                      | Pass   | 5.00        | 23.59           | 23.59                | 24.00                | 28.59         | 30.00               |
| 5240MHz                      | Pass   | 5.00        | 23.76           | 23.76                | 24.00                | 28.76         | 30.00               |
| 5745MHz                      | Pass   | 5.00        | 24.63           | 24.63                | 30.00                | 29.63         | 36.00               |
| 5785MHz                      | Pass   | 5.00        | 24.78           | 24.78                | 30.00                | 29.78         | 36.00               |
| 5805MHz                      | Pass   | 5.00        | 25.19           | 25.19                | 30.00                | 30.19         | 36.00               |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5190MHz                      | Pass   | 5.00        | 23.97           | 23.97                | 24.00                | 28.97         | 30.00               |
| 5230MHz                      | Pass   | 5.00        | 23.64           | 23.64                | 24.00                | 28.64         | 30.00               |
| 5755MHz                      | Pass   | 5.00        | 24.74           | 24.74                | 30.00                | 29.74         | 36.00               |
| 5795MHz                      | Pass   | 5.00        | 25.00           | 25.00                | 30.00                | 30.00         | 36.00               |

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

**Summary**

| Mode                         | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|------------------------------|-----------------|----------------------|
| 5.15-5.25GHz                 | -               | -                    |
| 802.11a_Nss1,(6Mbps)_1TX     | 2.66            | 7.66                 |
| 802.11n HT20_Nss1,(MCS0)_1TX | 2.80            | 7.80                 |
| 802.11n HT40_Nss1,(MCS0)_1TX | -0.63           | 4.37                 |
| 5.725-5.85GHz                | -               | -                    |
| 802.11a_Nss1,(6Mbps)_1TX     | 11.38           | 16.38                |
| 802.11n HT20_Nss1,(MCS0)_1TX | 11.43           | 16.43                |
| 802.11n HT40_Nss1,(MCS0)_1TX | 8.35            | 13.35                |

**RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|------------------------------|--------|-------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5180MHz                      | Pass   | 5.00        | 2.45                | 2.45            | 17.00                 | 7.45                 | 23.00                      |
| 5200MHz                      | Pass   | 5.00        | 2.66                | 2.66            | 17.00                 | 7.66                 | 23.00                      |
| 5240MHz                      | Pass   | 5.00        | 2.61                | 2.61            | 17.00                 | 7.61                 | 23.00                      |
| 5745MHz                      | Pass   | 5.00        | 10.82               | 10.82           | 30.00                 | 15.82                | 36.00                      |
| 5785MHz                      | Pass   | 5.00        | 11.02               | 11.02           | 30.00                 | 16.02                | 36.00                      |
| 5805MHz                      | Pass   | 5.00        | 11.38               | 11.38           | 30.00                 | 16.38                | 36.00                      |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5180MHz                      | Pass   | 5.00        | 2.80                | 2.80            | 17.00                 | 7.80                 | 23.00                      |
| 5200MHz                      | Pass   | 5.00        | 2.06                | 2.06            | 17.00                 | 7.06                 | 23.00                      |
| 5240MHz                      | Pass   | 5.00        | 2.47                | 2.47            | 17.00                 | 7.47                 | 23.00                      |
| 5745MHz                      | Pass   | 5.00        | 10.90               | 10.90           | 30.00                 | 15.90                | 36.00                      |
| 5785MHz                      | Pass   | 5.00        | 11.00               | 11.00           | 30.00                 | 16.00                | 36.00                      |
| 5805MHz                      | Pass   | 5.00        | 11.43               | 11.43           | 30.00                 | 16.43                | 36.00                      |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5190MHz                      | Pass   | 5.00        | -0.70               | -0.70           | 17.00                 | 4.30                 | 23.00                      |
| 5230MHz                      | Pass   | 5.00        | -0.63               | -0.63           | 17.00                 | 4.37                 | 23.00                      |
| 5755MHz                      | Pass   | 5.00        | 7.58                | 7.58            | 30.00                 | 12.58                | 36.00                      |
| 5795MHz                      | Pass   | 5.00        | 8.35                | 8.35            | 30.00                 | 13.35                | 36.00                      |

**DG** = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

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

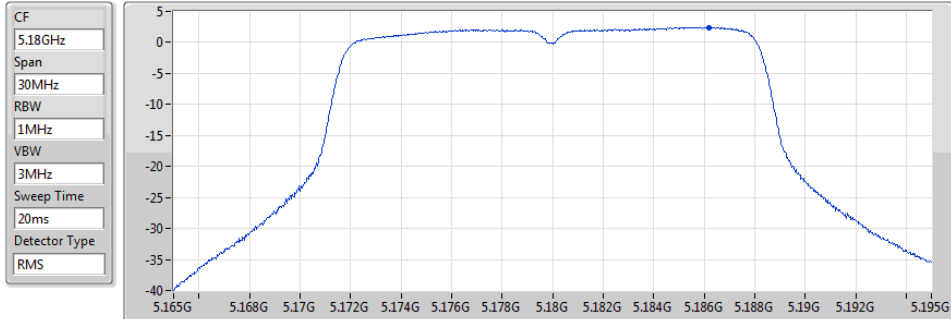


### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5180MHz

29/07/2019



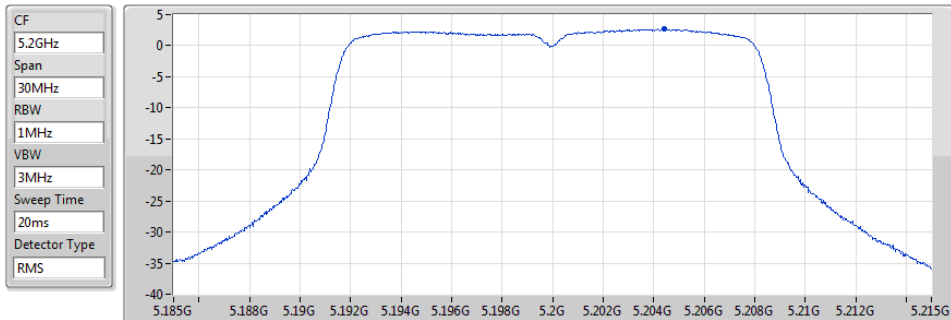
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.45     | 2.45     | 2.45     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5200MHz

29/07/2019



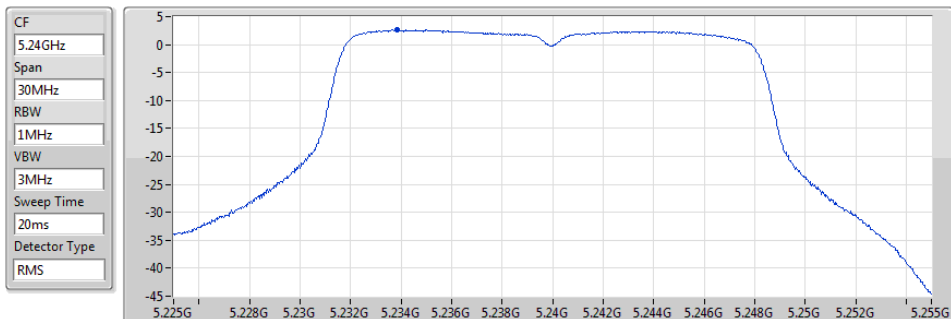
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.66     | 2.66     | 2.66     |

### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5240MHz

29/07/2019



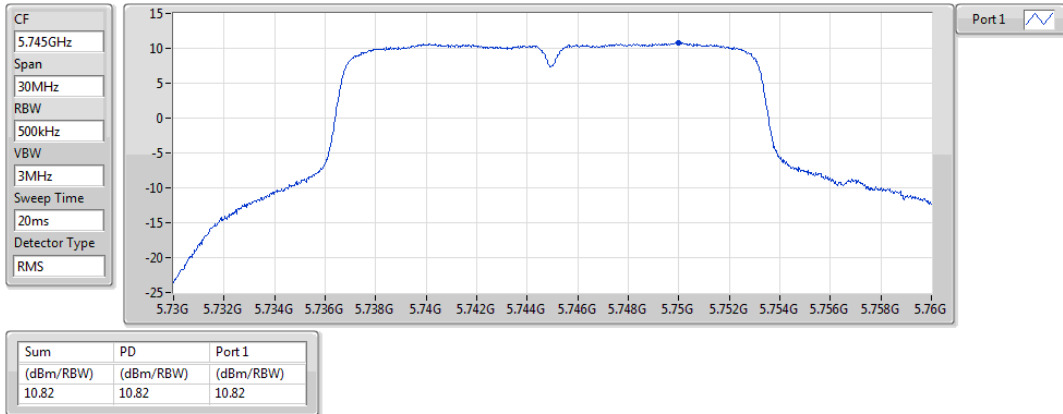
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.61     | 2.61     | 2.61     |

## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5745MHz

26/07/2019

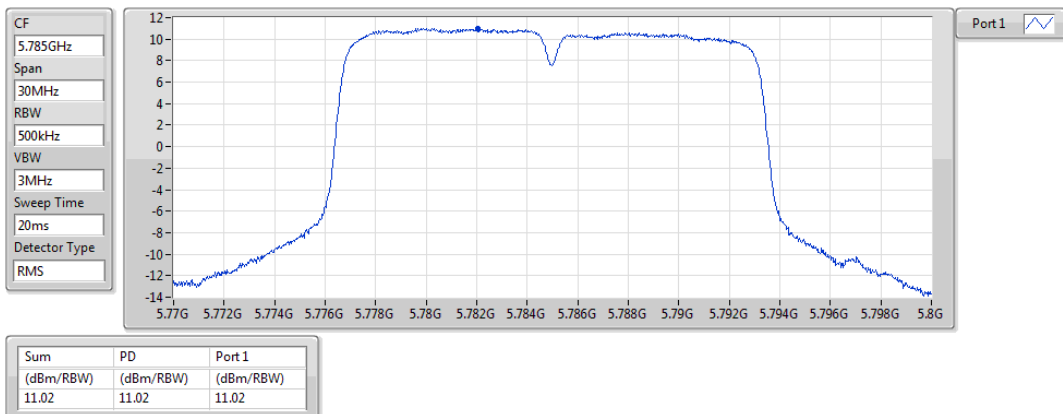


## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5785MHz

26/07/2019

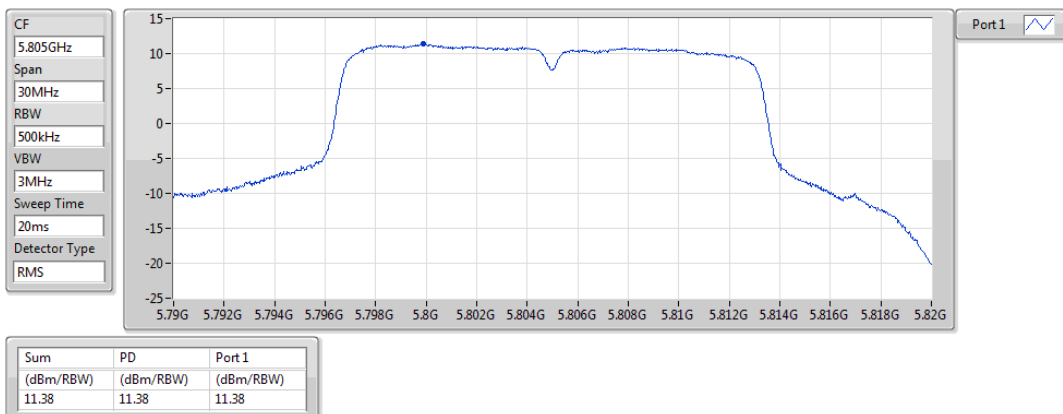


## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5805MHz

26/07/2019



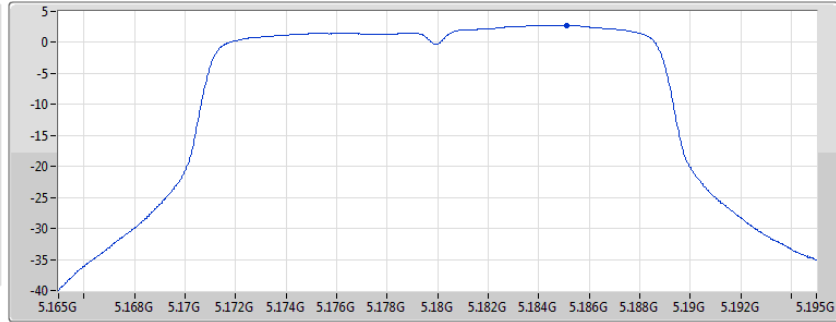
### 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5180MHz

29/07/2019

CF  
5.18GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
15.7s  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.80     | 2.80     | 2.80     |

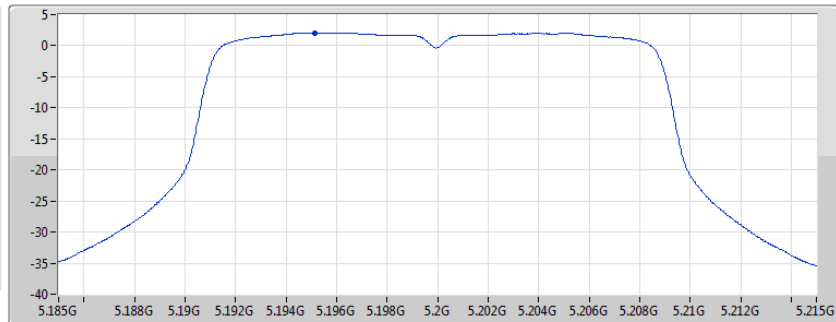
### 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5200MHz

29/07/2019

CF  
5.2GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
15.7s  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.06     | 2.06     | 2.06     |

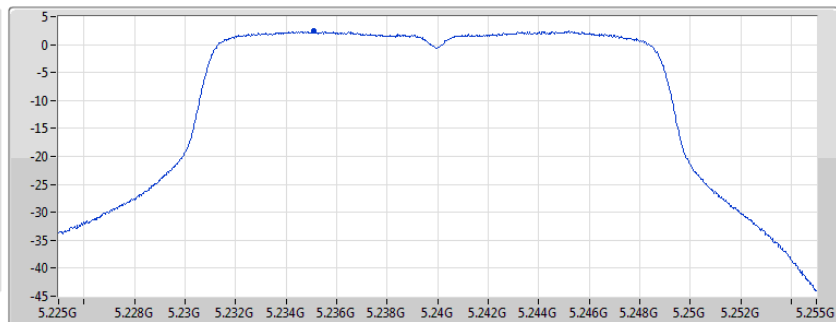
### 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5240MHz

29/07/2019

CF  
5.24GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
15.7s  
Detector Type  
RMS



Port 1

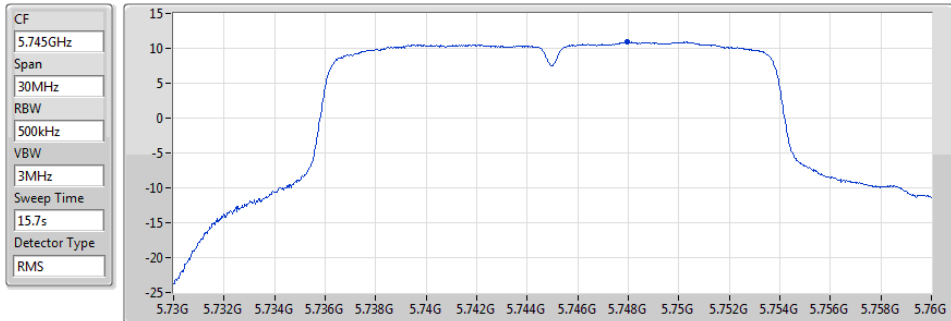
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.47     | 2.47     | 2.47     |

### 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5745MHz

24/07/2019



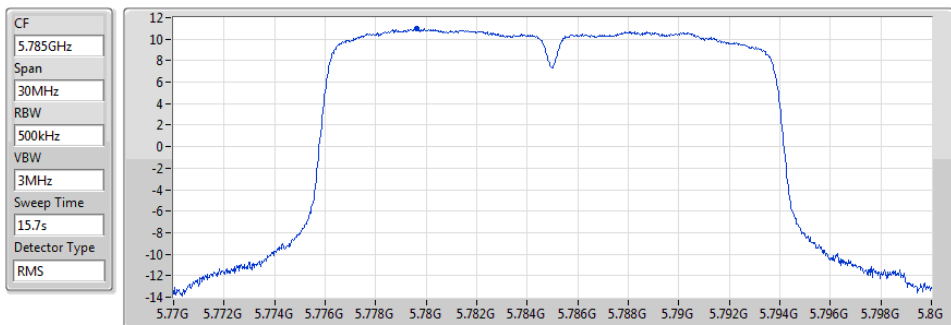
| Sum          | PD           | Port1        |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 10.90        | 10.90        | 10.90        |

### 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5785MHz

24/07/2019



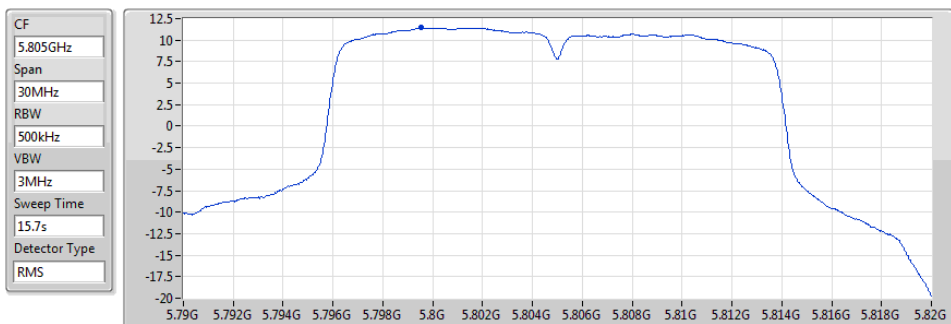
| Sum          | PD           | Port1        |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 11.00        | 11.00        | 11.00        |

### 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5805MHz

24/07/2019



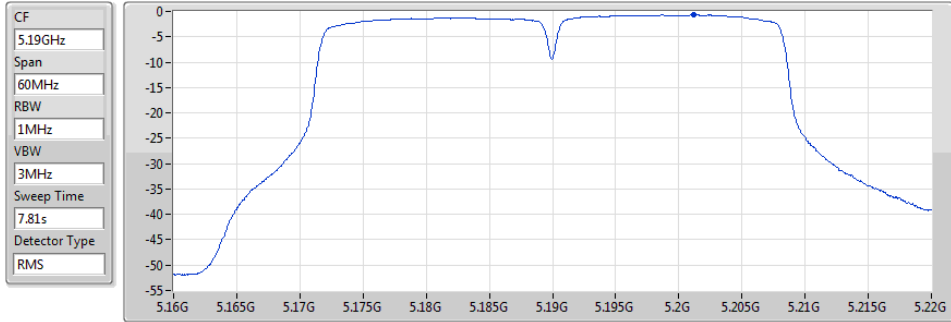
| Sum          | PD           | Port1        |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 11.43        | 11.43        | 11.43        |

### 802.11n HT40\_Nss1,(MCS0)\_1TX

PSD

5190MHz

29/07/2019



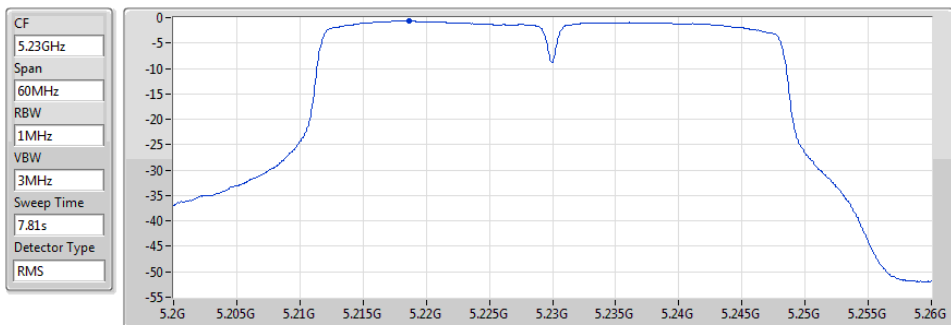
| Sum          | PD           | Port1        |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -0.70        | -0.70        | -0.70        |

### 802.11n HT40\_Nss1,(MCS0)\_1TX

PSD

5230MHz

29/07/2019



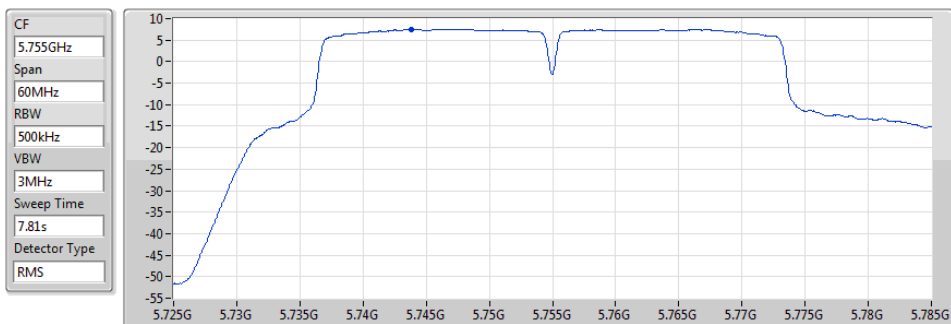
| Sum          | PD           | Port1        |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -0.63        | -0.63        | -0.63        |

### 802.11n HT40\_Nss1,(MCS0)\_1TX

PSD

5755MHz

24/07/2019



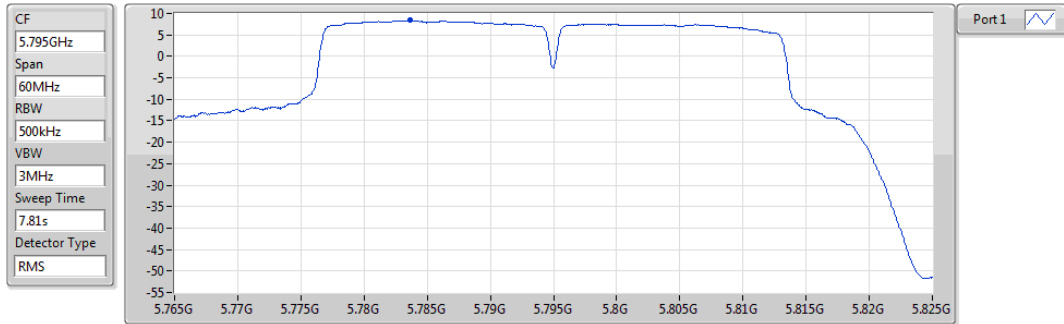
| Sum          | PD           | Port1        |
|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 7.58         | 7.58         | 7.58         |

802.11n HT40\_Nss1,(MCS0)\_1TX

PSD

5795MHz

24/07/2019



| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.35      | 8.35      | 8.35      |

**Summary**

| Mode                         | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|------------------------------|-----------------|----------------------|
| 5.15-5.25GHz                 | -               | -                    |
| 802.11a_Nss1,(6Mbps)_1TX     | 10.90           | 15.90                |
| 802.11n HT20_Nss1,(MCS0)_1TX | 10.93           | 15.93                |
| 802.11n HT40_Nss1,(MCS0)_1TX | 7.45            | 12.45                |
| 5.725-5.85GHz                | -               | -                    |
| 802.11a_Nss1,(6Mbps)_1TX     | 11.38           | 16.38                |
| 802.11n HT20_Nss1,(MCS0)_1TX | 11.43           | 16.43                |
| 802.11n HT40_Nss1,(MCS0)_1TX | 8.35            | 13.35                |

**RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

**Result**

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|------------------------------|--------|-------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5180MHz                      | Pass   | 5.00        | 10.90               | 10.90           | 11.00                 | 15.90                | 17.00                      |
| 5200MHz                      | Pass   | 5.00        | 10.28               | 10.28           | 11.00                 | 15.28                | 17.00                      |
| 5240MHz                      | Pass   | 5.00        | 10.64               | 10.64           | 11.00                 | 15.64                | 17.00                      |
| 5745MHz                      | Pass   | 5.00        | 10.82               | 10.82           | 30.00                 | 15.82                | 36.00                      |
| 5785MHz                      | Pass   | 5.00        | 11.02               | 11.02           | 30.00                 | 16.02                | 36.00                      |
| 5805MHz                      | Pass   | 5.00        | 11.38               | 11.38           | 30.00                 | 16.38                | 36.00                      |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5180MHz                      | Pass   | 5.00        | 10.93               | 10.93           | 11.00                 | 15.93                | 17.00                      |
| 5200MHz                      | Pass   | 5.00        | 10.46               | 10.46           | 11.00                 | 15.46                | 17.00                      |
| 5240MHz                      | Pass   | 5.00        | 10.34               | 10.34           | 11.00                 | 15.34                | 17.00                      |
| 5745MHz                      | Pass   | 5.00        | 10.90               | 10.90           | 30.00                 | 15.90                | 36.00                      |
| 5785MHz                      | Pass   | 5.00        | 11.00               | 11.00           | 30.00                 | 16.00                | 36.00                      |
| 5805MHz                      | Pass   | 5.00        | 11.43               | 11.43           | 30.00                 | 16.43                | 36.00                      |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5190MHz                      | Pass   | 5.00        | 7.45                | 7.45            | 11.00                 | 12.45                | 17.00                      |
| 5230MHz                      | Pass   | 5.00        | 7.20                | 7.20            | 11.00                 | 12.20                | 17.00                      |
| 5755MHz                      | Pass   | 5.00        | 7.58                | 7.58            | 30.00                 | 12.58                | 36.00                      |
| 5795MHz                      | Pass   | 5.00        | 8.35                | 8.35            | 30.00                 | 13.35                | 36.00                      |

**DG** = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

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

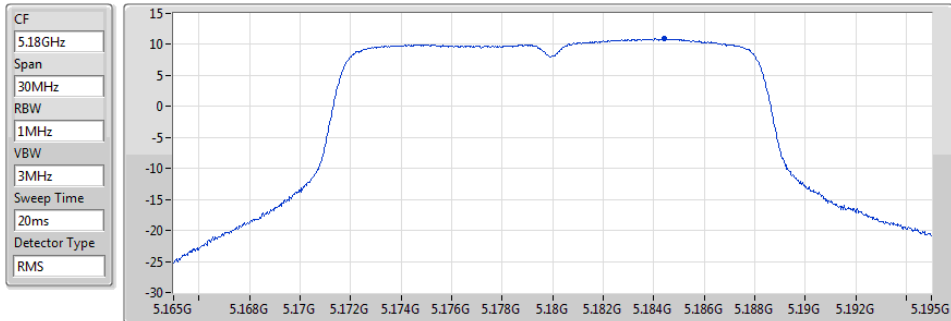


## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5180MHz

29/07/2019

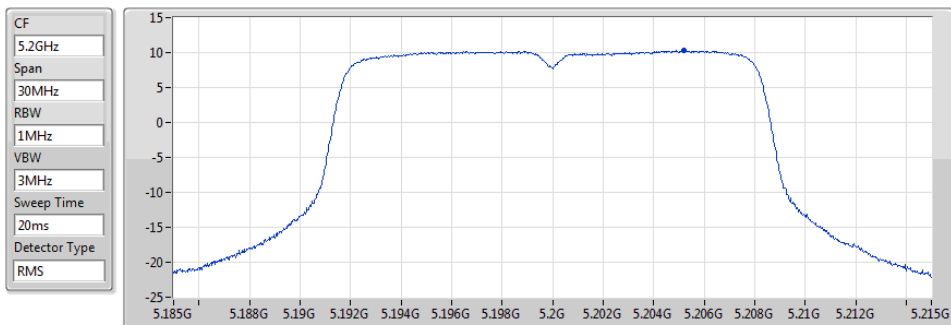


## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5200MHz

29/07/2019

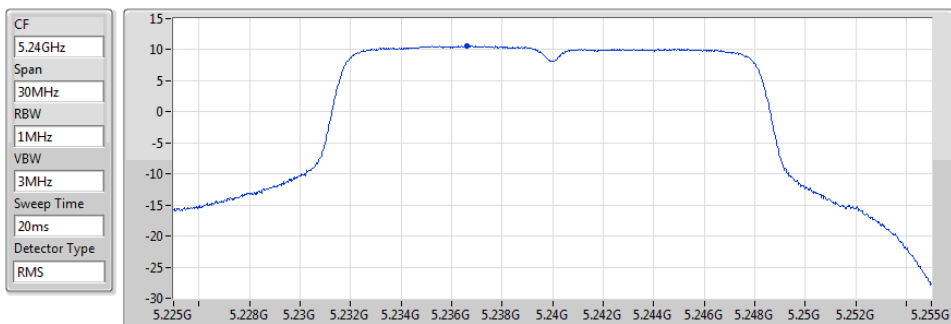


## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5240MHz

29/07/2019

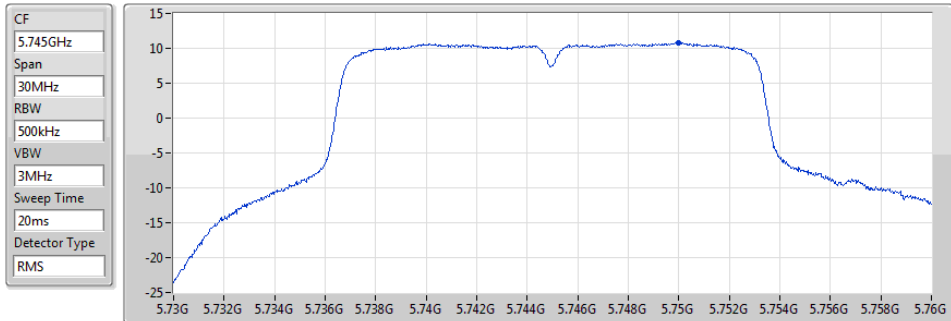


## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5745MHz

26/07/2019



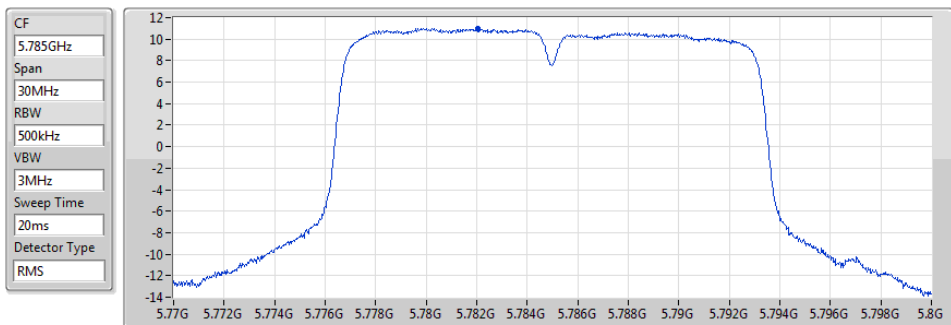
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.82     | 10.82     | 10.82     |

## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5785MHz

26/07/2019



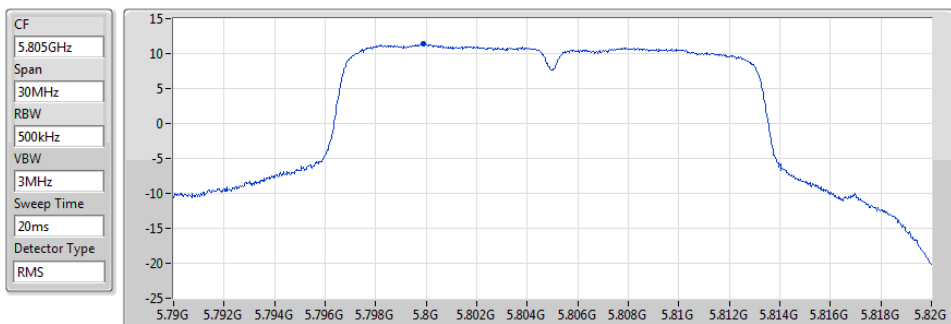
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.02     | 11.02     | 11.02     |

## 802.11a\_Nss1,(6Mbps)\_1TX

## PSD

5805MHz

26/07/2019



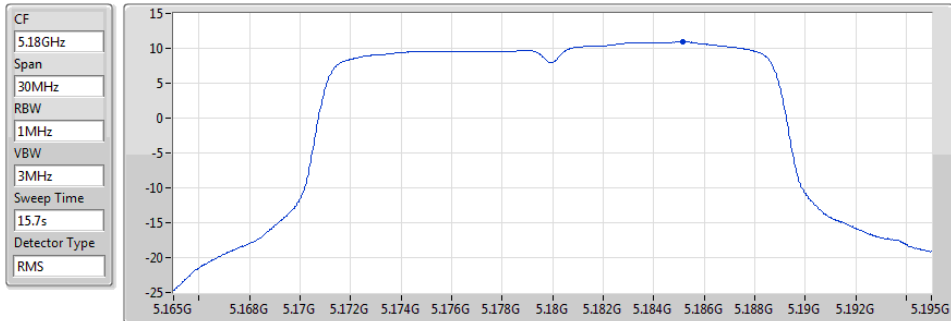
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.38     | 11.38     | 11.38     |

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### PSD

5180MHz

29/07/2019



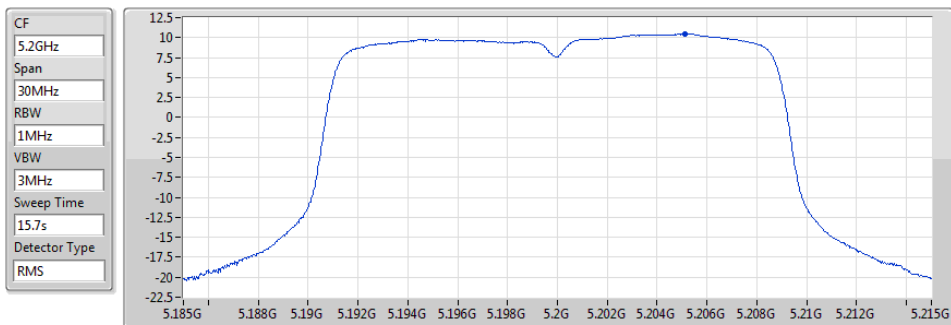
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.93    | 10.93    | 10.93    |

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### PSD

5200MHz

29/07/2019



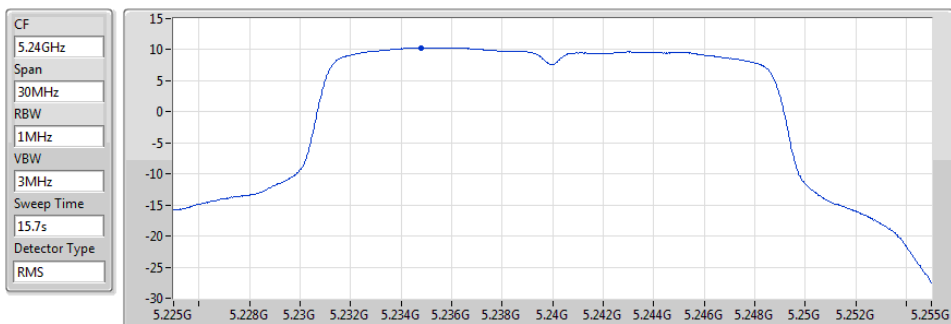
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.46    | 10.46    | 10.46    |

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### PSD

5240MHz

29/07/2019



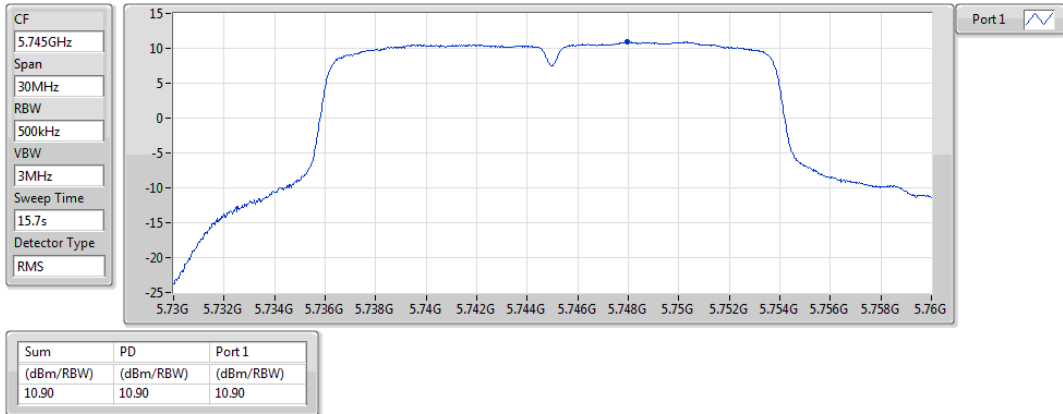
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.34    | 10.34    | 10.34    |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5745MHz

24/07/2019

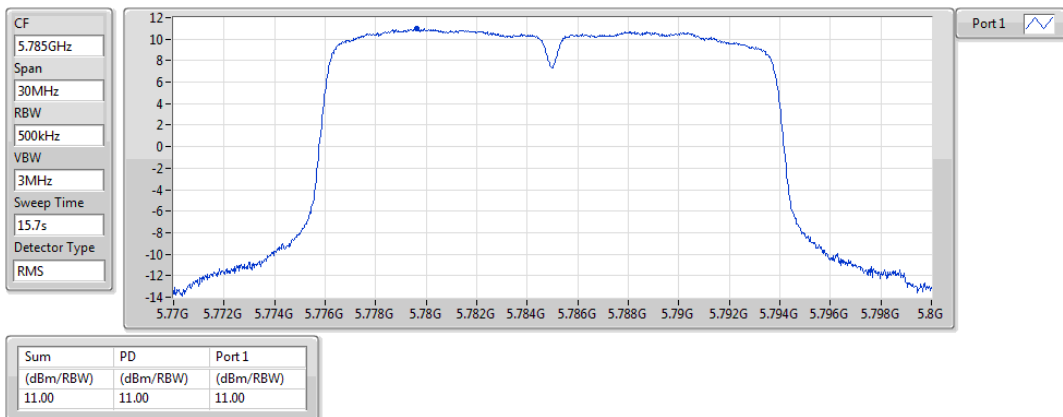


## 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5785MHz

24/07/2019

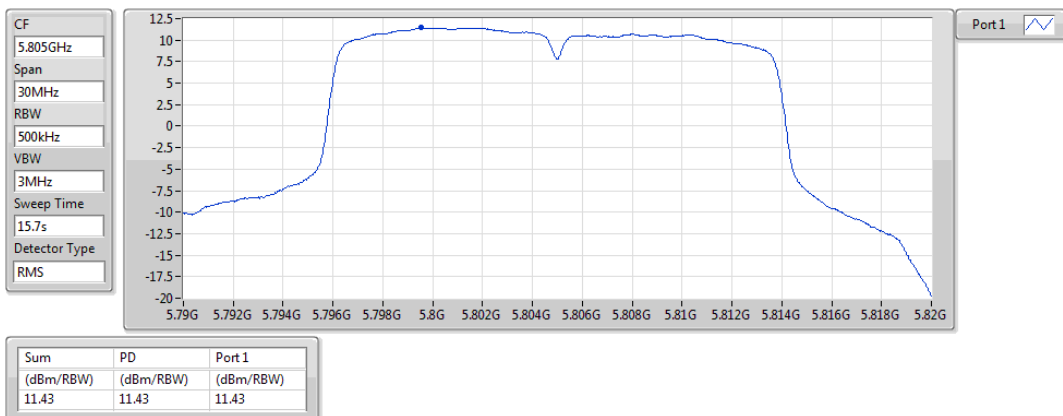


## 802.11n HT20\_Nss1,(MCS0)\_1TX

PSD

5805MHz

24/07/2019

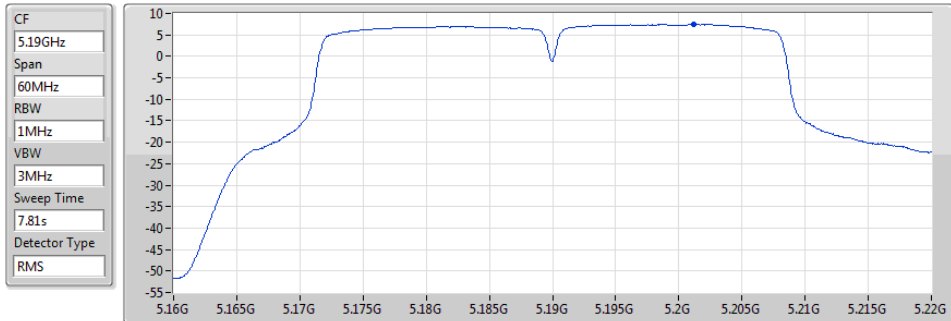


### 802.11n HT40\_Nss1,(MCS0)\_1TX

### PSD

5190MHz

29/07/2019



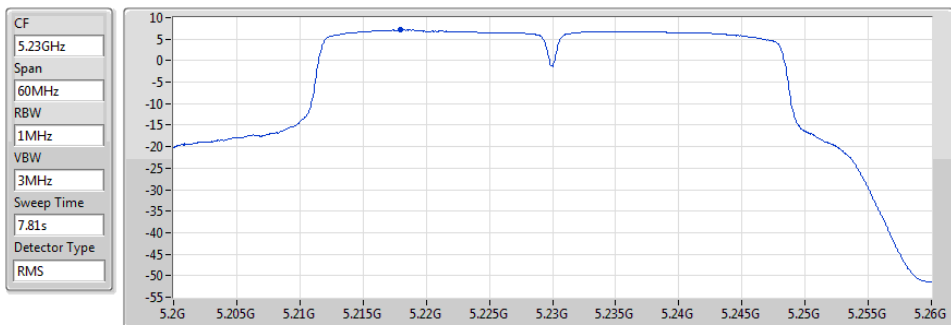
| Sum       | PD        | Port1     |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.45      | 7.45      | 7.45      |

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### PSD

5230MHz

29/07/2019



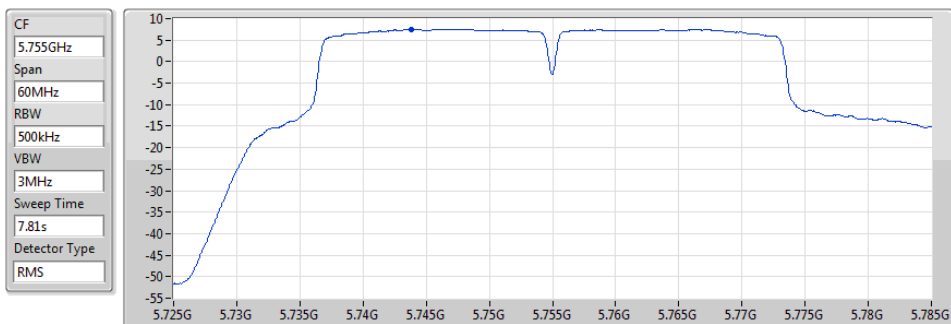
| Sum       | PD        | Port1     |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.20      | 7.20      | 7.20      |

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### PSD

5755MHz

24/07/2019



| Sum       | PD        | Port1     |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.58      | 7.58      | 7.58      |

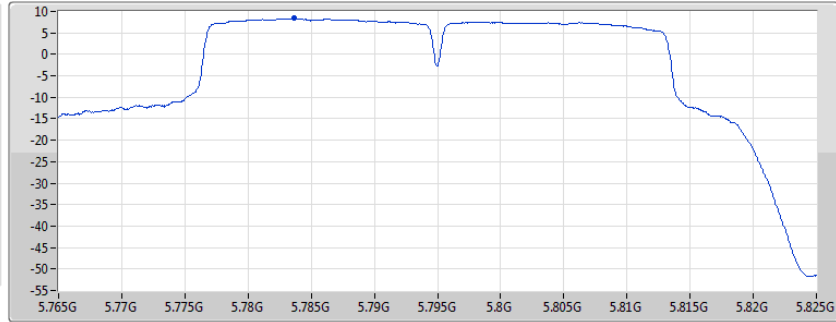
802.11n HT40\_Nss1,(MCS0)\_1TX

PSD

5795MHz

24/07/2019

CF  
5.795GHz  
Span  
60MHz  
RBW  
500kHz  
VBW  
3MHz  
Sweep Time  
7.81s  
Detector Type  
RMS



Port 1

| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.35      | 8.35      | 8.35      |



**Summary**

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|-----------|----------------|---------------|----------|
| 5.725-5.85GHz                | -      | -    | -            | -                 | -                 | -              | -           | -         | -              | -             | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | Pass   | PK   | 31.94M       | 32.94             | 40.00             | -7.06          | 3           | Vertical  | 0              | 1.00          | -        |

**Result**

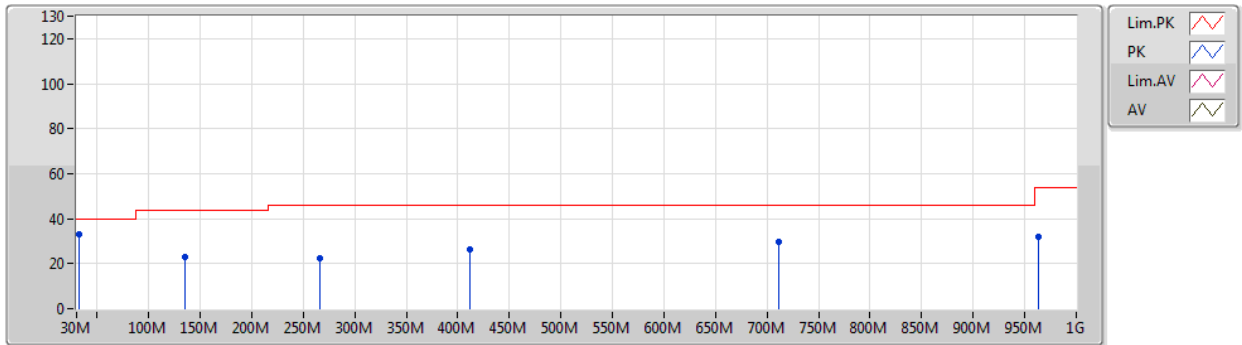
| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11n HT40_Nss1.(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5795MHz                      | Pass   | PK   | 31.94M       | 32.94             | 40.00             | -7.06          | 3           | Vertical   | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 134.76M      | 23.19             | 43.50             | -20.31         | 3           | Vertical   | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 266.68M      | 22.14             | 46.00             | -23.86         | 3           | Vertical   | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 412.18M      | 26.27             | 46.00             | -19.73         | 3           | Vertical   | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 710.94M      | 29.65             | 46.00             | -16.35         | 3           | Vertical   | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 963.14M      | 32.15             | 54.00             | -21.85         | 3           | Vertical   | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 30M          | 31.97             | 40.00             | -8.03          | 3           | Horizontal | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 123.12M      | 20.32             | 43.50             | -23.18         | 3           | Horizontal | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 288.02M      | 22.71             | 46.00             | -23.29         | 3           | Horizontal | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 569.32M      | 29.07             | 46.00             | -16.93         | 3           | Horizontal | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 887.48M      | 34.12             | 46.00             | -11.88         | 3           | Horizontal | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 998.06M      | 33.30             | 54.00             | -20.70         | 3           | Horizontal | 360            | 1.00          | -        |



## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5795MHz\_Switching Power Supply

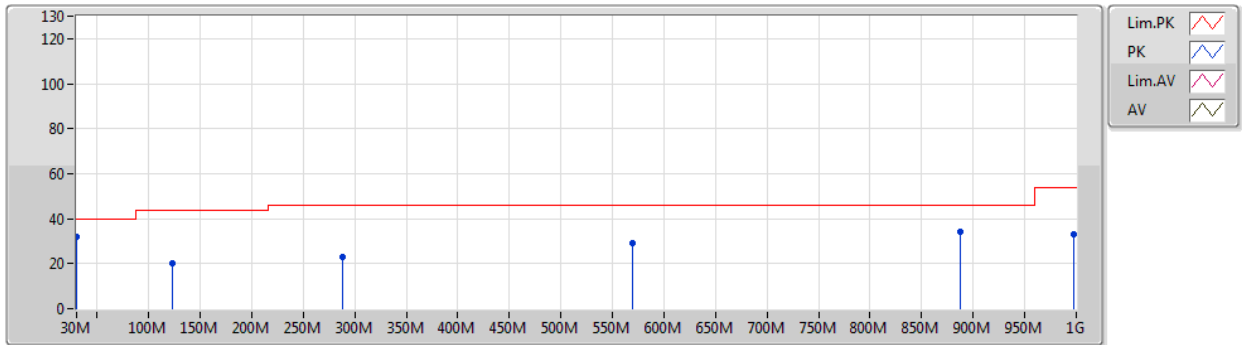


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 31.94M       | 32.94             | 40.00             | -7.06          | 38.37         | 3           | Vertical  | 0              | 1.00          | -       | 21.90      | 0.36       | 27.69      |
| PK   | 134.76M      | 23.19             | 43.50             | -20.31         | 32.57         | 3           | Vertical  | 0              | 1.00          | -       | 16.57      | 1.74       | 27.69      |
| PK   | 266.68M      | 22.14             | 46.00             | -23.86         | 28.08         | 3           | Vertical  | 0              | 1.00          | -       | 18.45      | 2.79       | 27.18      |
| PK   | 412.18M      | 26.27             | 46.00             | -19.73         | 29.56         | 3           | Vertical  | 0              | 1.00          | -       | 21.49      | 3.20       | 27.98      |
| PK   | 710.94M      | 29.65             | 46.00             | -16.35         | 29.74         | 3           | Vertical  | 0              | 1.00          | -       | 24.22      | 4.06       | 28.37      |
| PK   | 963.14M      | 32.15             | 54.00             | -21.85         | 28.56         | 3           | Vertical  | 0              | 1.00          | -       | 26.16      | 4.91       | 27.48      |

# 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

## 5795MHz\_Switching Power Supply



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 30M          | 31.97             | 40.00             | -8.03          | 36.37         | 3           | Horizontal | 360            | 1.00          | -       | 23.01      | 0.29       | 27.70      |  |
| PK   | 123.12M      | 20.32             | 43.50             | -23.18         | 29.23         | 3           | Horizontal | 360            | 1.00          | -       | 17.14      | 1.67       | 27.72      |  |
| PK   | 288.02M      | 22.71             | 46.00             | -23.29         | 28.85         | 3           | Horizontal | 360            | 1.00          | -       | 18.09      | 2.94       | 27.17      |  |
| PK   | 569.32M      | 29.07             | 46.00             | -16.93         | 30.38         | 3           | Horizontal | 360            | 1.00          | -       | 23.66      | 3.62       | 28.59      |  |
| PK   | 887.48M      | 34.12             | 46.00             | -11.88         | 32.03         | 3           | Horizontal | 360            | 1.00          | -       | 25.56      | 4.31       | 27.78      |  |
| PK   | 998.06M      | 33.30             | 54.00             | -20.70         | 29.10         | 3           | Horizontal | 360            | 1.00          | -       | 26.30      | 5.03       | 27.13      |  |



**Summary**

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5.15-5.25GHz                 | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_1TX     | Pass   | AV   | 5.357G       | 43.14             | 54.00             | -10.86         | 3           | Vertical   | 217            | 1.49          | -        |
| 802.11n HT20_Nss1,(MCS0)_1TX | Pass   | AV   | 5.381G       | 43.17             | 54.00             | -10.83         | 3           | Vertical   | 302            | 2.71          | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | Pass   | AV   | 5.1496G      | 43.61             | 54.00             | -10.39         | 3           | Vertical   | 299            | 2.86          | -        |
| 5.725-5.85GHz                | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_1TX     | Pass   | PK   | 5.637G       | 56.98             | 68.20             | -11.22         | 3           | Horizontal | 217            | 1.62          | -        |
| 802.11n HT20_Nss1,(MCS0)_1TX | Pass   | PK   | 5.9254G      | 57.02             | 68.20             | -11.18         | 3           | Horizontal | 339            | 2.66          | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | Pass   | PK   | 5.9338G      | 57.28             | 68.20             | -10.92         | 3           | Horizontal | 256            | 1.56          | -        |

**Result**

| Mode                     | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11a_Nss1,(6Mbps)_1TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5180MHz                  | Pass   | AV   | 5.15G        | 42.83             | 54.00             | -11.17         | 3           | Vertical   | 218            | 1.56          | -        |
| 5180MHz                  | Pass   | AV   | 5.1864G      | 105.89            | Inf               | -Inf           | 3           | Vertical   | 218            | 1.56          | -        |
| 5180MHz                  | Pass   | PK   | 5.1344G      | 55.49             | 74.00             | -18.51         | 3           | Vertical   | 218            | 1.56          | -        |
| 5180MHz                  | Pass   | PK   | 5.1828G      | 115.48            | Inf               | -Inf           | 3           | Vertical   | 218            | 1.56          | -        |
| 5180MHz                  | Pass   | AV   | 5.1332G      | 42.83             | 54.00             | -11.17         | 3           | Horizontal | 336            | 1.63          | -        |
| 5180MHz                  | Pass   | AV   | 5.1848G      | 94.35             | Inf               | -Inf           | 3           | Horizontal | 336            | 1.63          | -        |
| 5180MHz                  | Pass   | PK   | 5.1348G      | 55.53             | 74.00             | -18.47         | 3           | Horizontal | 336            | 1.63          | -        |
| 5180MHz                  | Pass   | PK   | 5.1828G      | 104.60            | Inf               | -Inf           | 3           | Horizontal | 336            | 1.63          | -        |
| 5180MHz                  | Pass   | PK   | 10.34872G    | 54.01             | 68.20             | -14.19         | 3           | Vertical   | 219            | 1.49          | -        |
| 5180MHz                  | Pass   | PK   | 10.36486G    | 53.36             | 68.20             | -14.84         | 3           | Horizontal | 151            | 1.24          | -        |
| 5200MHz                  | Pass   | AV   | 5.1148G      | 42.77             | 54.00             | -11.23         | 3           | Vertical   | 218            | 1.51          | -        |
| 5200MHz                  | Pass   | AV   | 5.2024G      | 105.48            | Inf               | -Inf           | 3           | Vertical   | 218            | 1.51          | -        |
| 5200MHz                  | Pass   | PK   | 5.1308G      | 55.23             | 74.00             | -18.77         | 3           | Vertical   | 218            | 1.51          | -        |
| 5200MHz                  | Pass   | PK   | 5.1948G      | 115.93            | Inf               | -Inf           | 3           | Vertical   | 218            | 1.51          | -        |
| 5200MHz                  | Pass   | AV   | 5.148G       | 42.79             | 54.00             | -11.21         | 3           | Horizontal | 336            | 1.57          | -        |
| 5200MHz                  | Pass   | AV   | 5.1948G      | 93.69             | Inf               | -Inf           | 3           | Horizontal | 336            | 1.57          | -        |
| 5200MHz                  | Pass   | PK   | 5.146G       | 55.69             | 74.00             | -18.31         | 3           | Horizontal | 336            | 1.57          | -        |
| 5200MHz                  | Pass   | PK   | 5.2032G      | 103.96            | Inf               | -Inf           | 3           | Horizontal | 336            | 1.57          | -        |
| 5200MHz                  | Pass   | PK   | 10.38716G    | 53.68             | 68.20             | -14.52         | 3           | Vertical   | 356            | 1.21          | -        |
| 5200MHz                  | Pass   | PK   | 10.38932G    | 53.63             | 68.20             | -14.57         | 3           | Horizontal | 208            | 1.47          | -        |
| 5240MHz                  | Pass   | AV   | 5.1434G      | 42.81             | 54.00             | -11.19         | 3           | Vertical   | 217            | 1.49          | -        |
| 5240MHz                  | Pass   | AV   | 5.2364G      | 104.87            | Inf               | -Inf           | 3           | Vertical   | 217            | 1.49          | -        |
| 5240MHz                  | Pass   | AV   | 5.357G       | 43.14             | 54.00             | -10.86         | 3           | Vertical   | 217            | 1.49          | -        |
| 5240MHz                  | Pass   | PK   | 5.1392G      | 55.73             | 74.00             | -18.27         | 3           | Vertical   | 217            | 1.49          | -        |
| 5240MHz                  | Pass   | PK   | 5.2346G      | 115.25            | Inf               | -Inf           | 3           | Vertical   | 217            | 1.49          | -        |
| 5240MHz                  | Pass   | PK   | 5.3816G      | 55.67             | 74.00             | -18.33         | 3           | Vertical   | 217            | 1.49          | -        |
| 5240MHz                  | Pass   | AV   | 5.15G        | 42.82             | 54.00             | -11.18         | 3           | Horizontal | 335            | 1.00          | -        |
| 5240MHz                  | Pass   | AV   | 5.237G       | 93.51             | Inf               | -Inf           | 3           | Horizontal | 335            | 1.00          | -        |
| 5240MHz                  | Pass   | AV   | 5.357G       | 43.14             | 54.00             | -10.86         | 3           | Horizontal | 335            | 1.00          | -        |
| 5240MHz                  | Pass   | PK   | 5.135G       | 55.75             | 74.00             | -18.25         | 3           | Horizontal | 335            | 1.00          | -        |
| 5240MHz                  | Pass   | PK   | 5.237G       | 103.63            | Inf               | -Inf           | 3           | Horizontal | 335            | 1.00          | -        |
| 5240MHz                  | Pass   | PK   | 5.3696G      | 55.78             | 74.00             | -18.22         | 3           | Horizontal | 335            | 1.00          | -        |
| 5240MHz                  | Pass   | PK   | 10.47802G    | 52.56             | 68.20             | -15.64         | 3           | Vertical   | 341            | 1.49          | -        |
| 5240MHz                  | Pass   | PK   | 10.49326G    | 52.93             | 68.20             | -15.27         | 3           | Horizontal | 262            | 1.38          | -        |
| 5745MHz                  | Pass   | AV   | 5.751G       | 103.91            | Inf               | -Inf           | 3           | Vertical   | 7              | 1.49          | -        |
| 5745MHz                  | Pass   | PK   | 5.6094G      | 56.11             | 68.20             | -12.09         | 3           | Vertical   | 7              | 1.49          | -        |
| 5745MHz                  | Pass   | PK   | 5.751G       | 113.97            | Inf               | -Inf           | 3           | Vertical   | 7              | 1.49          | -        |
| 5745MHz                  | Pass   | PK   | 5.9334G      | 56.08             | 68.20             | -12.12         | 3           | Vertical   | 7              | 1.49          | -        |
| 5745MHz                  | Pass   | AV   | 5.7498G      | 93.76             | Inf               | -Inf           | 3           | Horizontal | 217            | 1.49          | -        |
| 5745MHz                  | Pass   | PK   | 5.6502G      | 55.82             | 68.35             | -12.53         | 3           | Horizontal | 217            | 1.49          | -        |
| 5745MHz                  | Pass   | PK   | 5.751G       | 103.37            | Inf               | -Inf           | 3           | Horizontal | 217            | 1.49          | -        |
| 5745MHz                  | Pass   | PK   | 5.9682G      | 56.28             | 68.20             | -11.92         | 3           | Horizontal | 217            | 1.49          | -        |
| 5745MHz                  | Pass   | AV   | 11.49147G    | 39.98             | 54.00             | -14.02         | 3           | Vertical   | 335            | 1.53          | -        |
| 5745MHz                  | Pass   | PK   | 11.48957G    | 54.16             | 74.00             | -19.84         | 3           | Vertical   | 335            | 1.53          | -        |
| 5745MHz                  | Pass   | AV   | 11.48903G    | 39.96             | 54.00             | -14.04         | 3           | Horizontal | 67             | 1.06          | -        |
| 5745MHz                  | Pass   | PK   | 11.48902G    | 53.46             | 74.00             | -20.54         | 3           | Horizontal | 67             | 1.06          | -        |
| 5785MHz                  | Pass   | AV   | 5.7874G      | 104.48            | Inf               | -Inf           | 3           | Vertical   | 4              | 1.54          | -        |

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5785MHz                      | Pass   | PK   | 5.587G       | 56.05             | 68.20             | -12.15         | 3           | Vertical   | 4              | 1.54          | -        |
| 5785MHz                      | Pass   | PK   | 5.779G       | 114.62            | Inf               | -Inf           | 3           | Vertical   | 4              | 1.54          | -        |
| 5785MHz                      | Pass   | PK   | 5.9266G      | 56.38             | 68.20             | -11.82         | 3           | Vertical   | 4              | 1.54          | -        |
| 5785MHz                      | Pass   | AV   | 5.7874G      | 93.38             | Inf               | -Inf           | 3           | Horizontal | 225            | 1.37          | -        |
| 5785MHz                      | Pass   | PK   | 5.5234G      | 56.05             | 68.20             | -12.15         | 3           | Horizontal | 225            | 1.37          | -        |
| 5785MHz                      | Pass   | PK   | 5.7886G      | 103.09            | Inf               | -Inf           | 3           | Horizontal | 225            | 1.37          | -        |
| 5785MHz                      | Pass   | PK   | 5.9362G      | 56.72             | 68.20             | -11.48         | 3           | Horizontal | 225            | 1.37          | -        |
| 5785MHz                      | Pass   | AV   | 11.56806G    | 39.73             | 54.00             | -14.27         | 3           | Vertical   | 155            | 2.19          | -        |
| 5785MHz                      | Pass   | PK   | 11.56871G    | 52.87             | 74.00             | -21.13         | 3           | Vertical   | 155            | 2.19          | -        |
| 5785MHz                      | Pass   | AV   | 11.57077G    | 39.75             | 54.00             | -14.25         | 3           | Horizontal | 227            | 2.42          | -        |
| 5785MHz                      | Pass   | PK   | 11.56909G    | 53.96             | 74.00             | -20.04         | 3           | Horizontal | 227            | 2.42          | -        |
| 5805MHz                      | Pass   | AV   | 5.8002G      | 105.32            | Inf               | -Inf           | 3           | Vertical   | 5              | 1.37          | -        |
| 5805MHz                      | Pass   | PK   | 5.559G       | 56.20             | 68.20             | -12.00         | 3           | Vertical   | 5              | 1.37          | -        |
| 5805MHz                      | Pass   | PK   | 5.799G       | 115.50            | Inf               | -Inf           | 3           | Vertical   | 5              | 1.37          | -        |
| 5805MHz                      | Pass   | PK   | 5.9694G      | 56.23             | 68.20             | -11.97         | 3           | Vertical   | 5              | 1.37          | -        |
| 5805MHz                      | Pass   | AV   | 5.8086G      | 94.95             | Inf               | -Inf           | 3           | Horizontal | 217            | 1.62          | -        |
| 5805MHz                      | Pass   | PK   | 5.637G       | 56.98             | 68.20             | -11.22         | 3           | Horizontal | 217            | 1.62          | -        |
| 5805MHz                      | Pass   | PK   | 5.8002G      | 105.20            | Inf               | -Inf           | 3           | Horizontal | 217            | 1.62          | -        |
| 5805MHz                      | Pass   | PK   | 5.9514G      | 56.45             | 68.20             | -11.75         | 3           | Horizontal | 217            | 1.62          | -        |
| 5805MHz                      | Pass   | AV   | 11.60969G    | 39.39             | 54.00             | -14.61         | 3           | Vertical   | 250            | 2.15          | -        |
| 5805MHz                      | Pass   | PK   | 11.61162G    | 53.24             | 74.00             | -20.76         | 3           | Vertical   | 250            | 2.15          | -        |
| 5805MHz                      | Pass   | AV   | 11.60858G    | 39.51             | 54.00             | -14.49         | 3           | Horizontal | 133            | 1.66          | -        |
| 5805MHz                      | Pass   | PK   | 11.60894G    | 53.29             | 74.00             | -20.71         | 3           | Horizontal | 133            | 1.66          | -        |
| 802.11n HT20_Nss1.(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5180MHz                      | Pass   | AV   | 5.148G       | 42.86             | 54.00             | -11.14         | 3           | Vertical   | 18             | 1.94          | -        |
| 5180MHz                      | Pass   | AV   | 5.1856G      | 98.06             | Inf               | -Inf           | 3           | Vertical   | 18             | 1.94          | -        |
| 5180MHz                      | Pass   | PK   | 5.0988G      | 55.35             | 74.00             | -18.65         | 3           | Vertical   | 18             | 1.94          | -        |
| 5180MHz                      | Pass   | PK   | 5.184G       | 108.69            | Inf               | -Inf           | 3           | Vertical   | 18             | 1.94          | -        |
| 5180MHz                      | Pass   | AV   | 5.0956G      | 42.79             | 54.00             | -11.21         | 3           | Horizontal | 332            | 1.62          | -        |
| 5180MHz                      | Pass   | AV   | 5.1744G      | 79.24             | Inf               | -Inf           | 3           | Horizontal | 332            | 1.62          | -        |
| 5180MHz                      | Pass   | PK   | 5.1272G      | 56.23             | 74.00             | -17.77         | 3           | Horizontal | 332            | 1.62          | -        |
| 5180MHz                      | Pass   | PK   | 5.1752G      | 88.26             | Inf               | -Inf           | 3           | Horizontal | 332            | 1.62          | -        |
| 5180MHz                      | Pass   | PK   | 10.34722G    | 51.85             | 68.20             | -16.35         | 3           | Vertical   | 301            | 1.48          | -        |
| 5180MHz                      | Pass   | PK   | 10.35832G    | 52.15             | 68.20             | -16.05         | 3           | Horizontal | 0              | 1.49          | -        |
| 5200MHz                      | Pass   | AV   | 5.136G       | 42.94             | 54.00             | -11.06         | 3           | Vertical   | 302            | 1.74          | -        |
| 5200MHz                      | Pass   | AV   | 5.1968G      | 105.27            | Inf               | -Inf           | 3           | Vertical   | 302            | 1.74          | -        |
| 5200MHz                      | Pass   | PK   | 5.1368G      | 55.67             | 74.00             | -18.33         | 3           | Vertical   | 302            | 1.74          | -        |
| 5200MHz                      | Pass   | PK   | 5.198G       | 114.78            | Inf               | -Inf           | 3           | Vertical   | 302            | 1.74          | -        |
| 5200MHz                      | Pass   | AV   | 5.1448G      | 42.88             | 54.00             | -11.12         | 3           | Horizontal | 248            | 1.61          | -        |
| 5200MHz                      | Pass   | AV   | 5.1972G      | 91.18             | Inf               | -Inf           | 3           | Horizontal | 248            | 1.61          | -        |
| 5200MHz                      | Pass   | PK   | 5.12G        | 54.96             | 74.00             | -19.04         | 3           | Horizontal | 248            | 1.61          | -        |
| 5200MHz                      | Pass   | PK   | 5.1968G      | 100.58            | Inf               | -Inf           | 3           | Horizontal | 248            | 1.61          | -        |
| 5200MHz                      | Pass   | PK   | 10.39358G    | 52.94             | 68.20             | -15.26         | 3           | Vertical   | 55             | 1.50          | -        |
| 5200MHz                      | Pass   | PK   | 10.40324G    | 52.42             | 68.20             | -15.78         | 3           | Horizontal | 332            | 1.53          | -        |
| 5240MHz                      | Pass   | AV   | 5.1482G      | 42.87             | 54.00             | -11.13         | 3           | Vertical   | 302            | 2.71          | -        |
| 5240MHz                      | Pass   | AV   | 5.2454G      | 105.79            | Inf               | -Inf           | 3           | Vertical   | 302            | 2.71          | -        |
| 5240MHz                      | Pass   | AV   | 5.381G       | 43.17             | 54.00             | -10.83         | 3           | Vertical   | 302            | 2.71          | -        |
| 5240MHz                      | Pass   | PK   | 5.0972G      | 55.13             | 74.00             | -18.87         | 3           | Vertical   | 302            | 2.71          | -        |
| 5240MHz                      | Pass   | PK   | 5.2352G      | 116.37            | Inf               | -Inf           | 3           | Vertical   | 302            | 2.71          | -        |

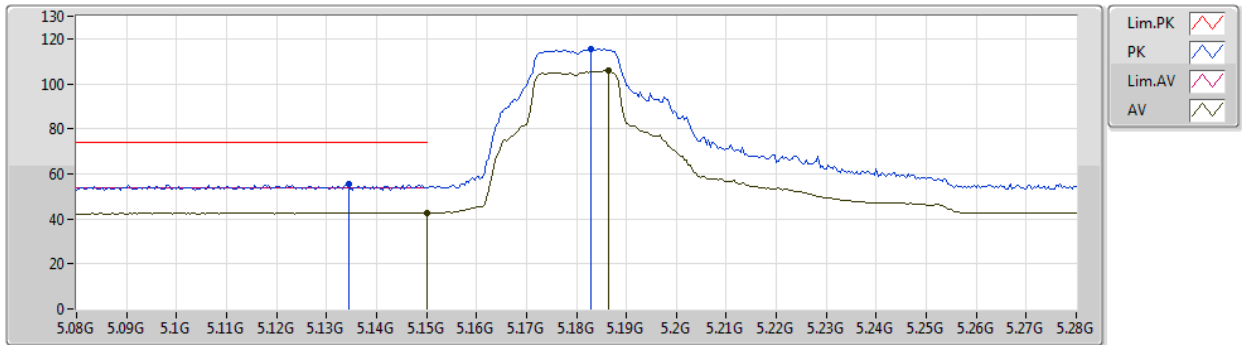
| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5240MHz                      | Pass   | PK   | 5.3876G      | 55.79             | 74.00             | -18.21         | 3           | Vertical   | 302            | 2.71          | -        |
| 5240MHz                      | Pass   | AV   | 5.1338G      | 42.76             | 54.00             | -11.24         | 3           | Horizontal | 239            | 2.86          | -        |
| 5240MHz                      | Pass   | AV   | 5.2346G      | 92.28             | Inf               | -Inf           | 3           | Horizontal | 239            | 2.86          | -        |
| 5240MHz                      | Pass   | AV   | 5.3888G      | 43.11             | 54.00             | -10.89         | 3           | Horizontal | 239            | 2.86          | -        |
| 5240MHz                      | Pass   | PK   | 5.0948G      | 55.16             | 74.00             | -18.84         | 3           | Horizontal | 239            | 2.86          | -        |
| 5240MHz                      | Pass   | PK   | 5.2352G      | 101.45            | Inf               | -Inf           | 3           | Horizontal | 239            | 2.86          | -        |
| 5240MHz                      | Pass   | PK   | 5.3828G      | 55.78             | 74.00             | -18.22         | 3           | Horizontal | 239            | 2.86          | -        |
| 5240MHz                      | Pass   | PK   | 10.4653G     | 52.75             | 68.20             | -15.45         | 3           | Vertical   | 280            | 1.50          | -        |
| 5240MHz                      | Pass   | PK   | 10.49374G    | 53.32             | 68.20             | -14.88         | 3           | Horizontal | 236            | 1.74          | -        |
| 5745MHz                      | Pass   | AV   | 5.7486G      | 104.66            | Inf               | -Inf           | 3           | Vertical   | 328            | 2.28          | -        |
| 5745MHz                      | Pass   | PK   | 5.5074G      | 55.76             | 68.20             | -12.44         | 3           | Vertical   | 328            | 2.28          | -        |
| 5745MHz                      | Pass   | PK   | 5.7474G      | 113.77            | Inf               | -Inf           | 3           | Vertical   | 328            | 2.28          | -        |
| 5745MHz                      | Pass   | PK   | 5.9682G      | 56.52             | 68.20             | -11.68         | 3           | Vertical   | 328            | 2.28          | -        |
| 5745MHz                      | Pass   | AV   | 5.751G       | 92.97             | Inf               | -Inf           | 3           | Horizontal | 344            | 2.89          | -        |
| 5745MHz                      | Pass   | PK   | 5.6286G      | 56.10             | 68.20             | -12.10         | 3           | Horizontal | 344            | 2.89          | -        |
| 5745MHz                      | Pass   | PK   | 5.7498G      | 102.27            | Inf               | -Inf           | 3           | Horizontal | 344            | 2.89          | -        |
| 5745MHz                      | Pass   | PK   | 5.949G       | 56.28             | 68.20             | -11.92         | 3           | Horizontal | 344            | 2.89          | -        |
| 5745MHz                      | Pass   | AV   | 11.50014G    | 39.88             | 54.00             | -14.12         | 3           | Vertical   | 306            | 2.63          | -        |
| 5745MHz                      | Pass   | PK   | 11.49624G    | 52.61             | 74.00             | -21.39         | 3           | Vertical   | 306            | 2.63          | -        |
| 5745MHz                      | Pass   | AV   | 11.50164G    | 39.83             | 54.00             | -14.17         | 3           | Horizontal | 203            | 1.50          | -        |
| 5745MHz                      | Pass   | PK   | 11.48616G    | 52.71             | 74.00             | -21.29         | 3           | Horizontal | 203            | 1.50          | -        |
| 5785MHz                      | Pass   | AV   | 5.7814G      | 105.73            | Inf               | -Inf           | 3           | Vertical   | 300            | 2.40          | -        |
| 5785MHz                      | Pass   | PK   | 5.5966G      | 56.15             | 68.20             | -12.05         | 3           | Vertical   | 300            | 2.40          | -        |
| 5785MHz                      | Pass   | PK   | 5.7826G      | 114.82            | Inf               | -Inf           | 3           | Vertical   | 300            | 2.40          | -        |
| 5785MHz                      | Pass   | PK   | 5.9338G      | 56.64             | 68.20             | -11.56         | 3           | Vertical   | 300            | 2.40          | -        |
| 5785MHz                      | Pass   | AV   | 5.7898G      | 92.06             | Inf               | -Inf           | 3           | Horizontal | 339            | 2.66          | -        |
| 5785MHz                      | Pass   | PK   | 5.5606G      | 55.96             | 68.20             | -12.24         | 3           | Horizontal | 339            | 2.66          | -        |
| 5785MHz                      | Pass   | PK   | 5.791G       | 101.22            | Inf               | -Inf           | 3           | Horizontal | 339            | 2.66          | -        |
| 5785MHz                      | Pass   | PK   | 5.9254G      | 57.02             | 68.20             | -11.18         | 3           | Horizontal | 339            | 2.66          | -        |
| 5785MHz                      | Pass   | AV   | 11.5823G     | 39.92             | 54.00             | -14.08         | 3           | Vertical   | 56             | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 11.57162G    | 52.80             | 74.00             | -21.20         | 3           | Vertical   | 56             | 1.50          | -        |
| 5785MHz                      | Pass   | AV   | 11.57924G    | 40.00             | 54.00             | -14.00         | 3           | Horizontal | 82             | 2.91          | -        |
| 5785MHz                      | Pass   | PK   | 11.56376G    | 52.70             | 74.00             | -21.30         | 3           | Horizontal | 82             | 2.91          | -        |
| 5805MHz                      | Pass   | AV   | 5.8026G      | 106.46            | Inf               | -Inf           | 3           | Vertical   | 300            | 2.23          | -        |
| 5805MHz                      | Pass   | PK   | 5.6226G      | 55.52             | 68.20             | -12.68         | 3           | Vertical   | 300            | 2.23          | -        |
| 5805MHz                      | Pass   | PK   | 5.8014G      | 116.02            | Inf               | -Inf           | 3           | Vertical   | 300            | 2.23          | -        |
| 5805MHz                      | Pass   | PK   | 5.985G       | 56.67             | 68.20             | -11.53         | 3           | Vertical   | 300            | 2.23          | -        |
| 5805MHz                      | Pass   | AV   | 5.8026G      | 92.32             | Inf               | -Inf           | 3           | Horizontal | 187            | 1.50          | -        |
| 5805MHz                      | Pass   | PK   | 5.5794G      | 56.07             | 68.20             | -12.13         | 3           | Horizontal | 187            | 1.50          | -        |
| 5805MHz                      | Pass   | PK   | 5.8026G      | 102.04            | Inf               | -Inf           | 3           | Horizontal | 187            | 1.50          | -        |
| 5805MHz                      | Pass   | PK   | 5.973G       | 56.44             | 68.20             | -11.76         | 3           | Horizontal | 187            | 1.50          | -        |
| 5805MHz                      | Pass   | AV   | 11.60588G    | 39.65             | 54.00             | -14.35         | 3           | Vertical   | 272            | 1.50          | -        |
| 5805MHz                      | Pass   | PK   | 11.61438G    | 53.27             | 74.00             | -20.73         | 3           | Vertical   | 272            | 1.50          | -        |
| 5805MHz                      | Pass   | AV   | 11.60606G    | 39.92             | 54.00             | -14.08         | 3           | Horizontal | 175            | 2.74          | -        |
| 5805MHz                      | Pass   | PK   | 11.6113G     | 52.75             | 74.00             | -21.25         | 3           | Horizontal | 175            | 2.74          | -        |
| 802.11n HT40_Nss1.(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5190MHz                      | Pass   | AV   | 5.1496G      | 43.61             | 54.00             | -10.39         | 3           | Vertical   | 299            | 2.86          | -        |
| 5190MHz                      | Pass   | AV   | 5.1856G      | 100.48            | Inf               | -Inf           | 3           | Vertical   | 299            | 2.86          | -        |
| 5190MHz                      | Pass   | PK   | 5.1496G      | 56.38             | 74.00             | -17.62         | 3           | Vertical   | 299            | 2.86          | -        |

| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5190MHz | Pass   | PK   | 5.2G         | 112.55            | Inf               | -Inf           | 3           | Vertical   | 299            | 2.86          | -        |
| 5190MHz | Pass   | AV   | 5.1328G      | 42.58             | 54.00             | -11.42         | 3           | Horizontal | 185            | 1.85          | -        |
| 5190MHz | Pass   | AV   | 5.2016G      | 88.89             | Inf               | -Inf           | 3           | Horizontal | 185            | 1.85          | -        |
| 5190MHz | Pass   | PK   | 5.1056G      | 55.09             | 74.00             | -18.91         | 3           | Horizontal | 185            | 1.85          | -        |
| 5190MHz | Pass   | PK   | 5.2016G      | 100.61            | Inf               | -Inf           | 3           | Horizontal | 185            | 1.85          | -        |
| 5190MHz | Pass   | PK   | 10.37896G    | 52.77             | 68.20             | -15.43         | 3           | Vertical   | 242            | 1.26          | -        |
| 5190MHz | Pass   | PK   | 10.3926G     | 52.72             | 68.20             | -15.48         | 3           | Horizontal | 50             | 2.19          | -        |
| 5230MHz | Pass   | AV   | 5.1492G      | 42.43             | 54.00             | -11.57         | 3           | Vertical   | 301            | 2.59          | -        |
| 5230MHz | Pass   | AV   | 5.2216G      | 101.59            | Inf               | -Inf           | 3           | Vertical   | 301            | 2.59          | -        |
| 5230MHz | Pass   | PK   | 5.1344G      | 55.00             | 74.00             | -19.00         | 3           | Vertical   | 301            | 2.59          | -        |
| 5230MHz | Pass   | PK   | 5.2224G      | 112.71            | Inf               | -Inf           | 3           | Vertical   | 301            | 2.59          | -        |
| 5230MHz | Pass   | AV   | 5.1396G      | 42.53             | 54.00             | -11.47         | 3           | Horizontal | 253            | 1.65          | -        |
| 5230MHz | Pass   | AV   | 5.2232G      | 91.15             | Inf               | -Inf           | 3           | Horizontal | 253            | 1.65          | -        |
| 5230MHz | Pass   | PK   | 5.1428G      | 54.95             | 74.00             | -19.05         | 3           | Horizontal | 253            | 1.65          | -        |
| 5230MHz | Pass   | PK   | 5.222G       | 101.90            | Inf               | -Inf           | 3           | Horizontal | 253            | 1.65          | -        |
| 5230MHz | Pass   | PK   | 10.45202G    | 53.41             | 68.20             | -14.79         | 3           | Vertical   | 152            | 1.80          | -        |
| 5230MHz | Pass   | PK   | 10.472G      | 52.98             | 68.20             | -15.22         | 3           | Horizontal | 85             | 1.48          | -        |
| 5755MHz | Pass   | AV   | 5.761G       | 99.22             | Inf               | -Inf           | 3           | Vertical   | 187            | 1.97          | -        |
| 5755MHz | Pass   | PK   | 5.599G       | 56.24             | 68.20             | -11.96         | 3           | Vertical   | 187            | 1.97          | -        |
| 5755MHz | Pass   | PK   | 5.7622G      | 111.10            | Inf               | -Inf           | 3           | Vertical   | 187            | 1.97          | -        |
| 5755MHz | Pass   | PK   | 5.9578G      | 56.13             | 68.20             | -12.07         | 3           | Vertical   | 187            | 1.97          | -        |
| 5755MHz | Pass   | AV   | 5.761G       | 91.60             | Inf               | -Inf           | 3           | Horizontal | 256            | 1.56          | -        |
| 5755MHz | Pass   | PK   | 5.5738G      | 55.73             | 68.20             | -12.47         | 3           | Horizontal | 256            | 1.56          | -        |
| 5755MHz | Pass   | PK   | 5.7586G      | 101.82            | Inf               | -Inf           | 3           | Horizontal | 256            | 1.56          | -        |
| 5755MHz | Pass   | PK   | 5.9338G      | 57.28             | 68.20             | -10.92         | 3           | Horizontal | 256            | 1.56          | -        |
| 5755MHz | Pass   | AV   | 11.49662G    | 39.44             | 54.00             | -14.56         | 3           | Vertical   | 57             | 1.50          | -        |
| 5755MHz | Pass   | PK   | 11.49812G    | 54.02             | 74.00             | -19.98         | 3           | Vertical   | 57             | 1.50          | -        |
| 5755MHz | Pass   | AV   | 11.51936G    | 39.40             | 54.00             | -14.60         | 3           | Horizontal | 54             | 1.37          | -        |
| 5755MHz | Pass   | PK   | 11.49632G    | 53.22             | 74.00             | -20.78         | 3           | Horizontal | 54             | 1.37          | -        |
| 5795MHz | Pass   | AV   | 5.783G       | 99.78             | Inf               | -Inf           | 3           | Vertical   | 187            | 2.01          | -        |
| 5795MHz | Pass   | PK   | 5.6078G      | 55.67             | 68.20             | -12.53         | 3           | Vertical   | 187            | 2.01          | -        |
| 5795MHz | Pass   | PK   | 5.783G       | 111.15            | Inf               | -Inf           | 3           | Vertical   | 187            | 2.01          | -        |
| 5795MHz | Pass   | PK   | 5.9426G      | 55.93             | 68.20             | -12.27         | 3           | Vertical   | 187            | 2.01          | -        |
| 5795MHz | Pass   | AV   | 5.783G       | 92.35             | Inf               | -Inf           | 3           | Horizontal | 255            | 1.54          | -        |
| 5795MHz | Pass   | PK   | 5.633G       | 55.59             | 68.20             | -12.61         | 3           | Horizontal | 255            | 1.54          | -        |
| 5795MHz | Pass   | PK   | 5.783G       | 103.32            | Inf               | -Inf           | 3           | Horizontal | 255            | 1.54          | -        |
| 5795MHz | Pass   | PK   | 5.9606G      | 57.05             | 68.20             | -11.15         | 3           | Horizontal | 255            | 1.54          | -        |
| 5795MHz | Pass   | AV   | 11.60326G    | 39.37             | 54.00             | -14.63         | 3           | Vertical   | 30             | 2.99          | -        |
| 5795MHz | Pass   | PK   | 11.58184G    | 52.44             | 74.00             | -21.56         | 3           | Vertical   | 30             | 2.99          | -        |
| 5795MHz | Pass   | AV   | 11.5948G     | 39.33             | 54.00             | -14.67         | 3           | Horizontal | 150            | 1.99          | -        |
| 5795MHz | Pass   | PK   | 11.59972G    | 53.46             | 74.00             | -20.54         | 3           | Horizontal | 150            | 1.99          | -        |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5180MHz\_TX



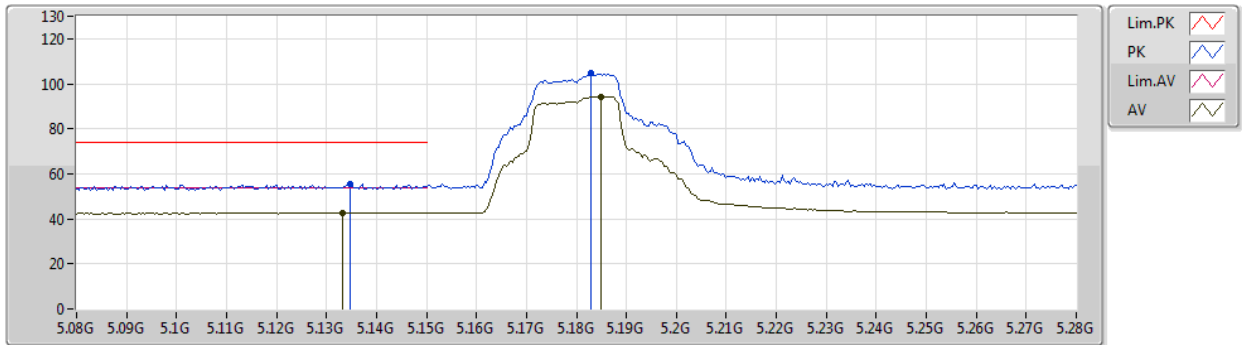
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 5.15G        | 42.83             | 54.00             | -11.17         | 38.46         | 3           | Vertical  | 218            | 1.56          | -       | 31.76      | 7.04       | 34.43      |  |
| AV   | 5.1864G      | 105.89            | Inf               | -Inf           | 101.46        | 3           | Vertical  | 218            | 1.56          | -       | 31.77      | 7.08       | 34.42      |  |
| PK   | 5.1344G      | 55.49             | 74.00             | -18.51         | 51.15         | 3           | Vertical  | 218            | 1.56          | -       | 31.75      | 7.02       | 34.43      |  |
| PK   | 5.1828G      | 115.48            | Inf               | -Inf           | 111.05        | 3           | Vertical  | 218            | 1.56          | -       | 31.77      | 7.08       | 34.42      |  |



## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5180MHz\_TX

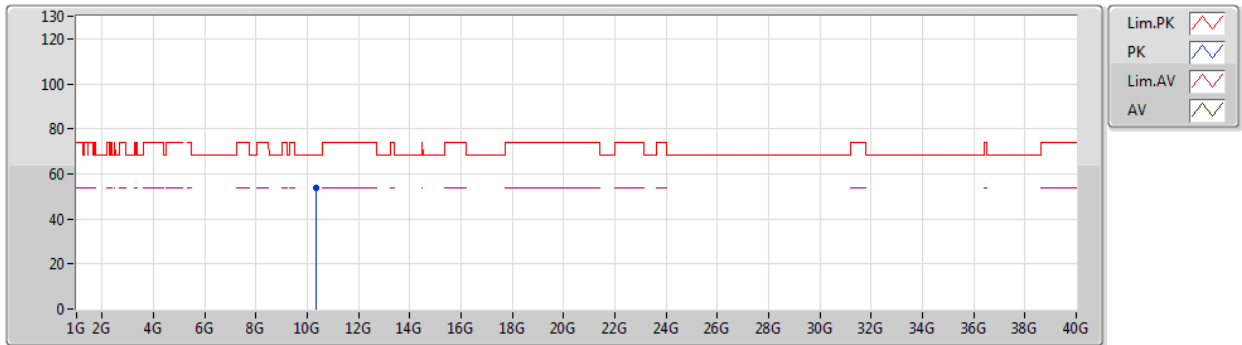


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1332G      | 42.83             | 54.00             | -11.17         | 38.49         | 3           | Horizontal | 336            | 1.63          | -       | 31.75      | 7.02       | 34.43      |
| AV   | 5.1848G      | 94.35             | Inf               | -Inf           | 89.92         | 3           | Horizontal | 336            | 1.63          | -       | 31.77      | 7.08       | 34.42      |
| PK   | 5.1348G      | 55.53             | 74.00             | -18.47         | 51.19         | 3           | Horizontal | 336            | 1.63          | -       | 31.75      | 7.02       | 34.43      |
| PK   | 5.1828G      | 104.60            | Inf               | -Inf           | 100.17        | 3           | Horizontal | 336            | 1.63          | -       | 31.77      | 7.08       | 34.42      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5180MHz\_TX

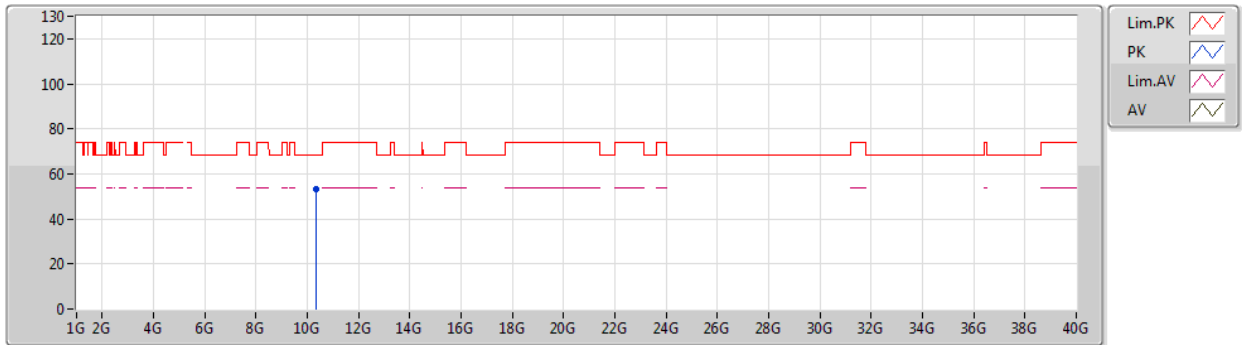


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.34872G    | 54.01             | 68.20             | -14.19         | 39.24         | 3           | Vertical  | 219            | 1.49          | -       | 39.35      | 10.33      | 34.91      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5180MHz\_TX

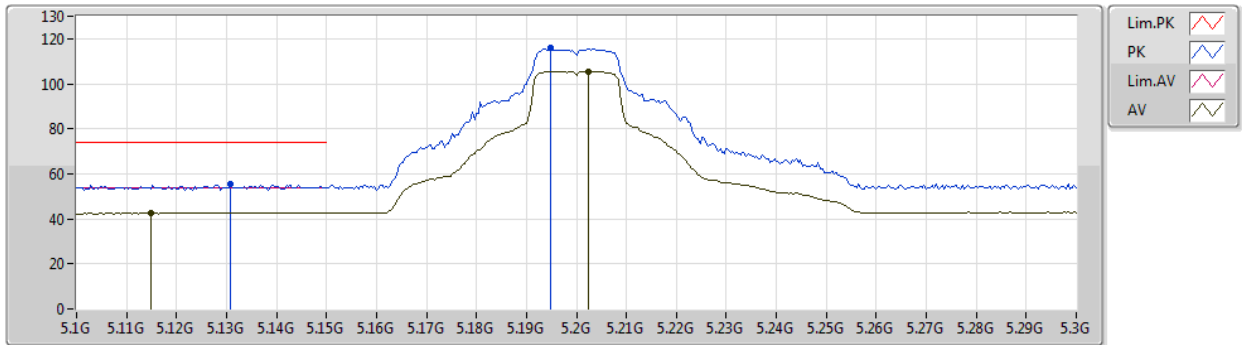


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.36486G    | 53.36             | 68.20             | -14.84         | 38.56         | 3           | Horizontal | 151            | 1.24          | -       | 39.37      | 10.33      | 34.90      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5200MHz\_TX

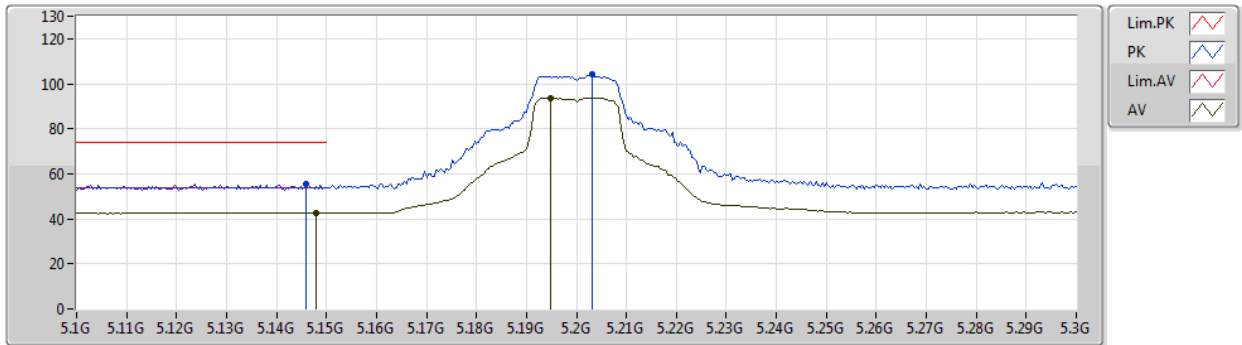


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 5.1148G      | 42.77             | 54.00             | -11.23         | 38.46         | 3           | Vertical  | 218            | 1.51          | -       | 31.75      | 6.99       | 34.43      |  |
| AV   | 5.2024G      | 105.48            | Inf               | -Inf           | 101.02        | 3           | Vertical  | 218            | 1.51          | -       | 31.78      | 7.10       | 34.42      |  |
| PK   | 5.1308G      | 55.23             | 74.00             | -18.77         | 50.90         | 3           | Vertical  | 218            | 1.51          | -       | 31.75      | 7.01       | 34.43      |  |
| PK   | 5.1948G      | 115.93            | Inf               | -Inf           | 111.48        | 3           | Vertical  | 218            | 1.51          | -       | 31.78      | 7.09       | 34.42      |  |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5200MHz\_TX

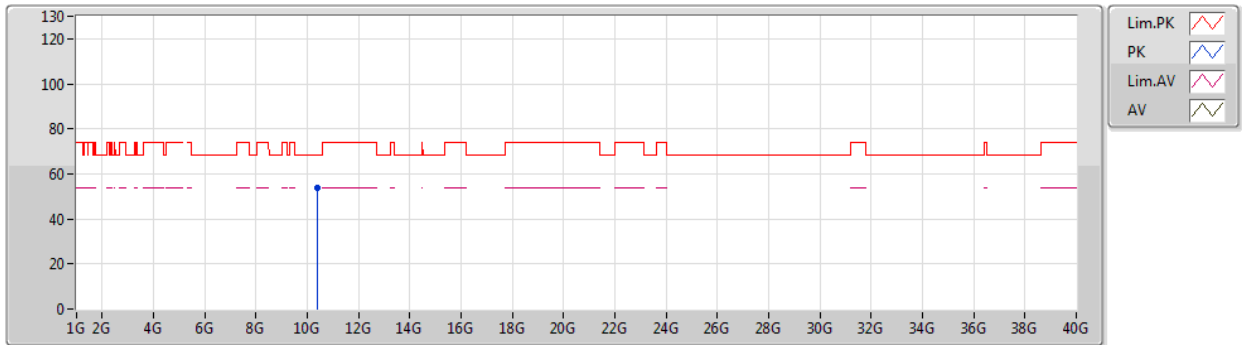


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 5.148G       | 42.79             | 54.00             | -11.21         | 38.43         | 3           | Horizontal | 336            | 1.57          | -       | 31.76      | 7.03       | 34.43      |  |
| AV   | 5.1948G      | 93.69             | Inf               | -Inf           | 89.24         | 3           | Horizontal | 336            | 1.57          | -       | 31.78      | 7.09       | 34.42      |  |
| PK   | 5.146G       | 55.69             | 74.00             | -18.31         | 51.33         | 3           | Horizontal | 336            | 1.57          | -       | 31.76      | 7.03       | 34.43      |  |
| PK   | 5.2032G      | 103.96            | Inf               | -Inf           | 99.50         | 3           | Horizontal | 336            | 1.57          | -       | 31.78      | 7.10       | 34.42      |  |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5200MHz\_TX

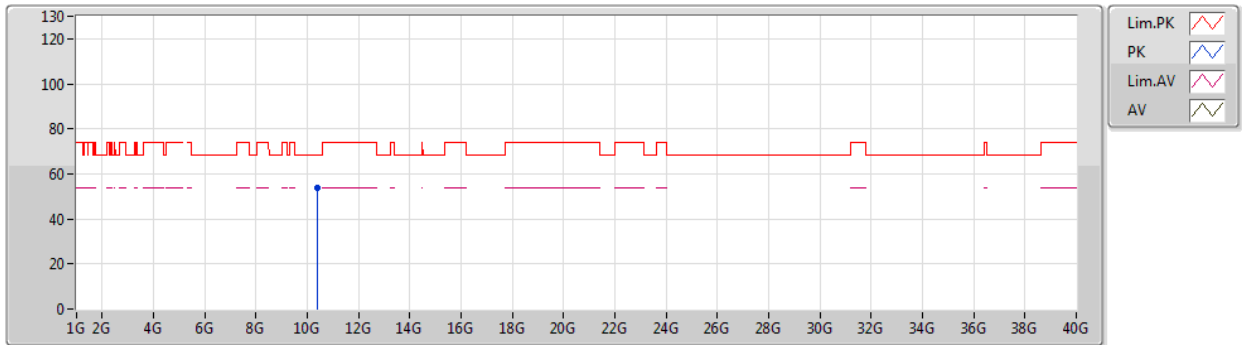


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.38716G    | 53.68             | 68.20             | -14.52         | 38.83         | 3           | Vertical  | 356            | 1.21          | -       | 39.40      | 10.33      | 34.88      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5200MHz\_TX

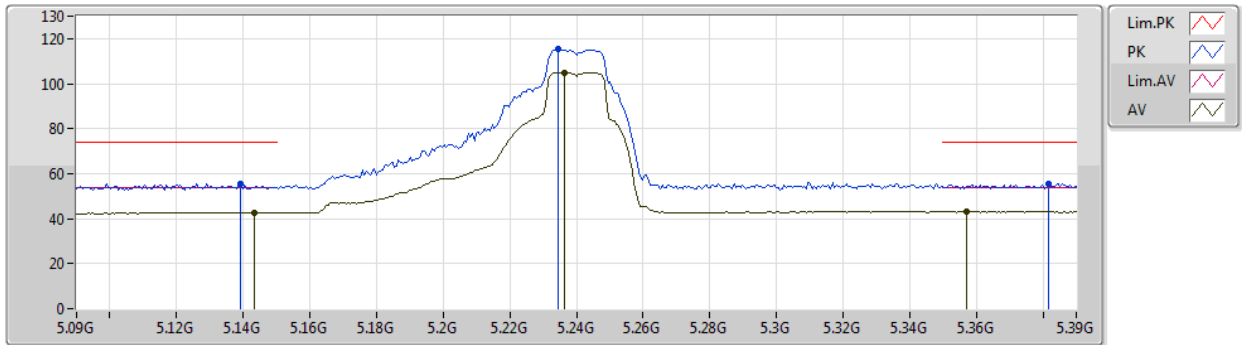


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.38932G    | 53.63             | 68.20             | -14.57         | 38.77         | 3           | Horizontal | 208            | 1.47          | -       | 39.41      | 10.33      | 34.88      |

# 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

## 5240MHz\_TX



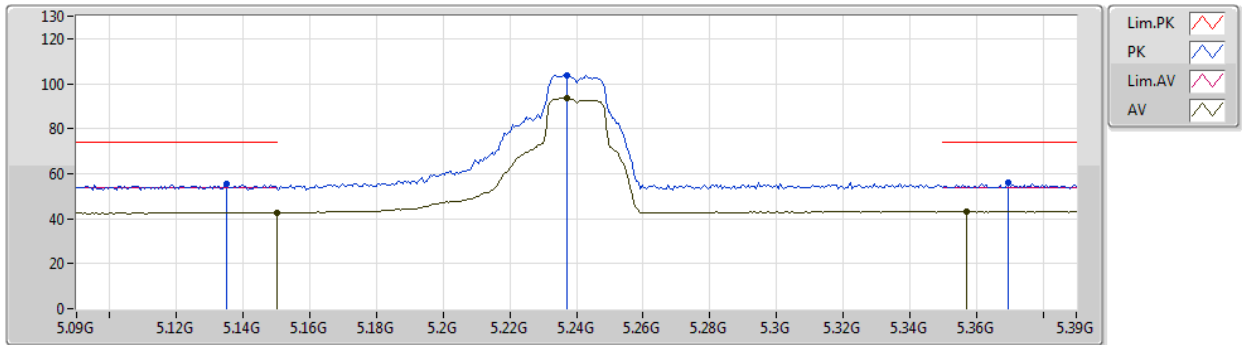
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 5.1434G      | 42.81             | 54.00             | -11.19         | 38.45         | 3           | Vertical  | 217            | 1.49          | -       | 31.76      | 7.03       | 34.43      |  |
| AV   | 5.2364G      | 104.87            | Inf               | -Inf           | 100.36        | 3           | Vertical  | 217            | 1.49          | -       | 31.79      | 7.14       | 34.42      |  |
| AV   | 5.357G       | 43.14             | 54.00             | -10.86         | 38.41         | 3           | Vertical  | 217            | 1.49          | -       | 31.84      | 7.30       | 34.41      |  |
| PK   | 5.1392G      | 55.73             | 74.00             | -18.27         | 51.38         | 3           | Vertical  | 217            | 1.49          | -       | 31.76      | 7.02       | 34.43      |  |
| PK   | 5.2346G      | 115.25            | Inf               | -Inf           | 110.74        | 3           | Vertical  | 217            | 1.49          | -       | 31.79      | 7.14       | 34.42      |  |
| PK   | 5.3816G      | 55.67             | 74.00             | -18.33         | 50.90         | 3           | Vertical  | 217            | 1.49          | -       | 31.85      | 7.33       | 34.41      |  |



## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5240MHz\_TX

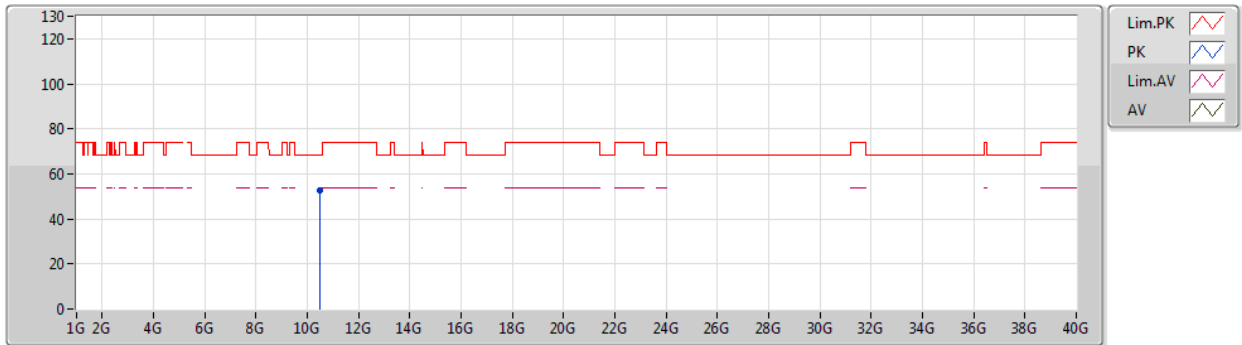


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.15G        | 42.82             | 54.00             | -11.18         | 38.45         | 3           | Horizontal | 335            | 1.00          | -       | 31.76      | 7.04       | 34.43      |
| AV   | 5.237G       | 93.51             | Inf               | -Inf           | 88.99         | 3           | Horizontal | 335            | 1.00          | -       | 31.79      | 7.15       | 34.42      |
| AV   | 5.357G       | 43.14             | 54.00             | -10.86         | 38.41         | 3           | Horizontal | 335            | 1.00          | -       | 31.84      | 7.30       | 34.41      |
| PK   | 5.135G       | 55.75             | 74.00             | -18.25         | 51.41         | 3           | Horizontal | 335            | 1.00          | -       | 31.75      | 7.02       | 34.43      |
| PK   | 5.237G       | 103.63            | Inf               | -Inf           | 99.11         | 3           | Horizontal | 335            | 1.00          | -       | 31.79      | 7.15       | 34.42      |
| PK   | 5.3696G      | 55.78             | 74.00             | -18.22         | 51.03         | 3           | Horizontal | 335            | 1.00          | -       | 31.85      | 7.31       | 34.41      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5240MHz\_TX

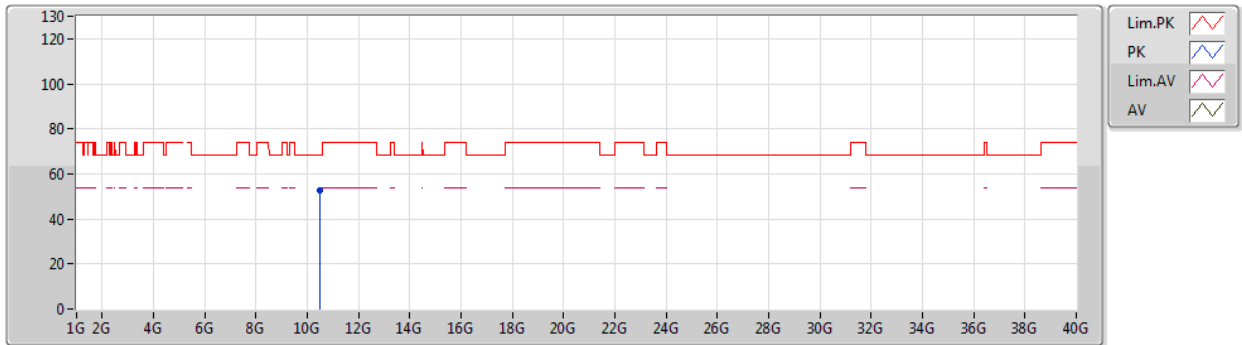


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.47802G    | 52.56             | 68.20             | -15.64         | 37.49         | 3           | Vertical  | 341            | 1.49          | -       | 39.52      | 10.35      | 34.80      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5240MHz\_TX

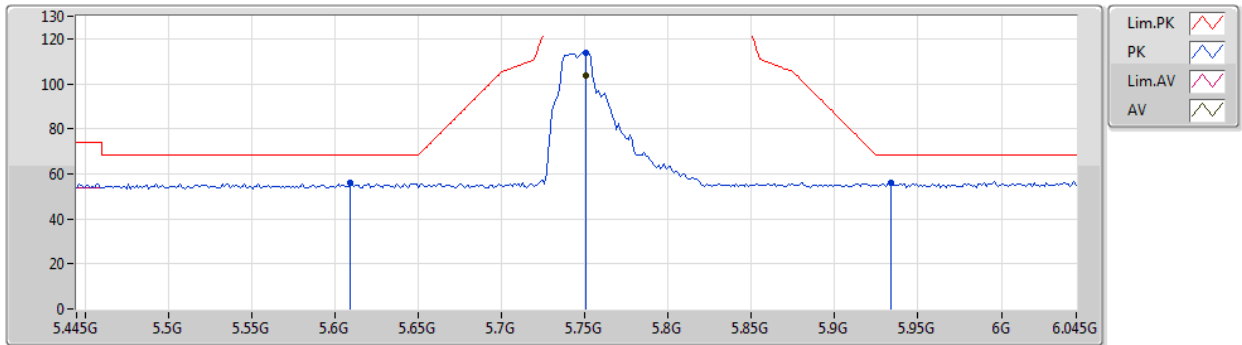


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.49326G    | 52.93             | 68.20             | -15.27         | 37.83         | 3           | Horizontal | 262            | 1.38          | -       | 39.54      | 10.35      | 34.79      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5745MHz\_TX

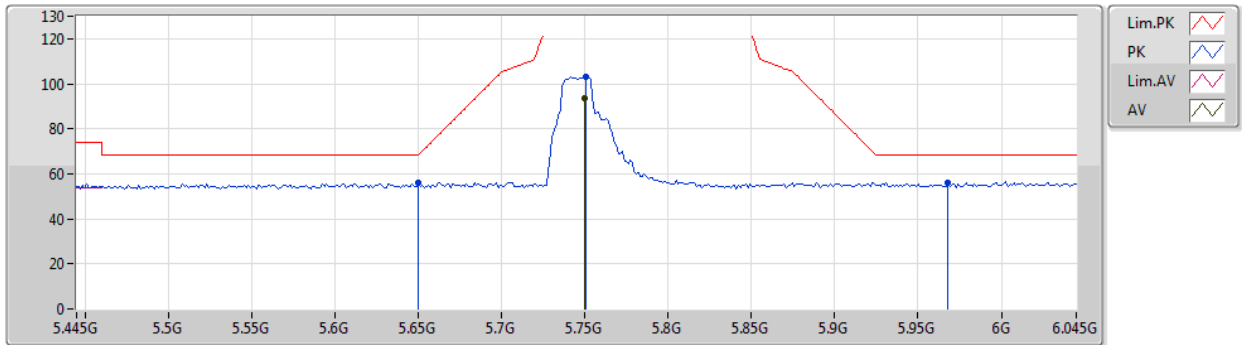


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.751G       | 103.91            | Inf               | -Inf           | 98.49         | 3           | Vertical  | 7              | 1.49          | -       | 32.25      | 7.64       | 34.47      |
| PK   | 5.6094G      | 56.11             | 68.20             | -12.09         | 50.94         | 3           | Vertical  | 7              | 1.49          | -       | 32.05      | 7.55       | 34.43      |
| PK   | 5.751G       | 113.97            | Inf               | -Inf           | 108.55        | 3           | Vertical  | 7              | 1.49          | -       | 32.25      | 7.64       | 34.47      |
| PK   | 5.9334G      | 56.08             | 68.20             | -12.12         | 50.32         | 3           | Vertical  | 7              | 1.49          | -       | 32.51      | 7.76       | 34.51      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5745MHz\_TX

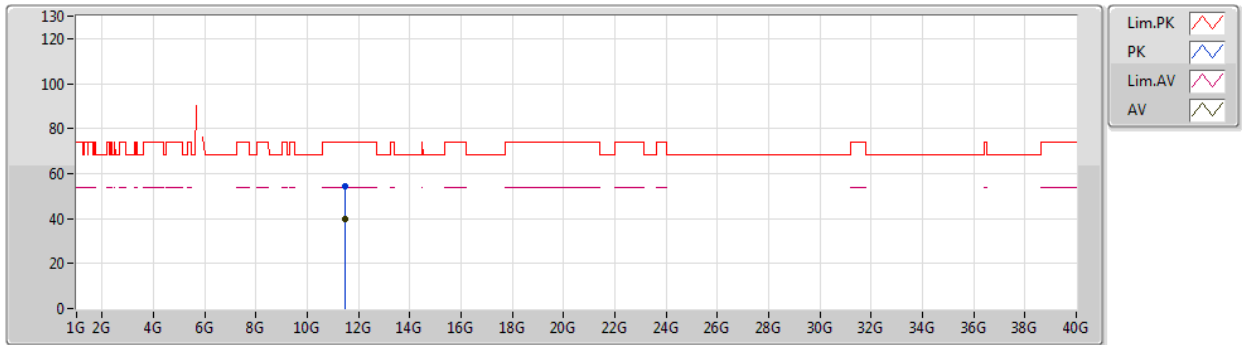


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.7498G      | 93.76             | Inf               | -Inf           | 88.33         | 3           | Horizontal | 217            | 1.49          | -       | 32.25      | 7.64       | 34.46      |
| PK   | 5.6502G      | 55.82             | 68.35             | -12.53         | 50.58         | 3           | Horizontal | 217            | 1.49          | -       | 32.11      | 7.57       | 34.44      |
| PK   | 5.751G       | 103.37            | Inf               | -Inf           | 97.95         | 3           | Horizontal | 217            | 1.49          | -       | 32.25      | 7.64       | 34.47      |
| PK   | 5.9682G      | 56.28             | 68.20             | -11.92         | 50.45         | 3           | Horizontal | 217            | 1.49          | -       | 32.56      | 7.78       | 34.51      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5745MHz\_TX

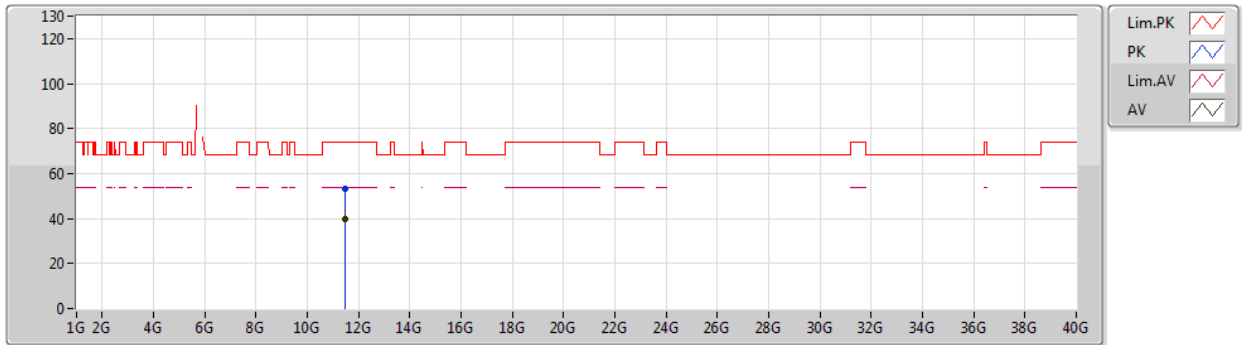


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 11.49147G    | 39.98             | 54.00             | -14.02         | 24.19         | 3           | Vertical  | 335            | 1.53          | -       | 39.61      | 10.68      | 34.50      |  |
| PK   | 11.48957G    | 54.16             | 74.00             | -19.84         | 38.37         | 3           | Vertical  | 335            | 1.53          | -       | 39.61      | 10.68      | 34.50      |  |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5745MHz\_TX

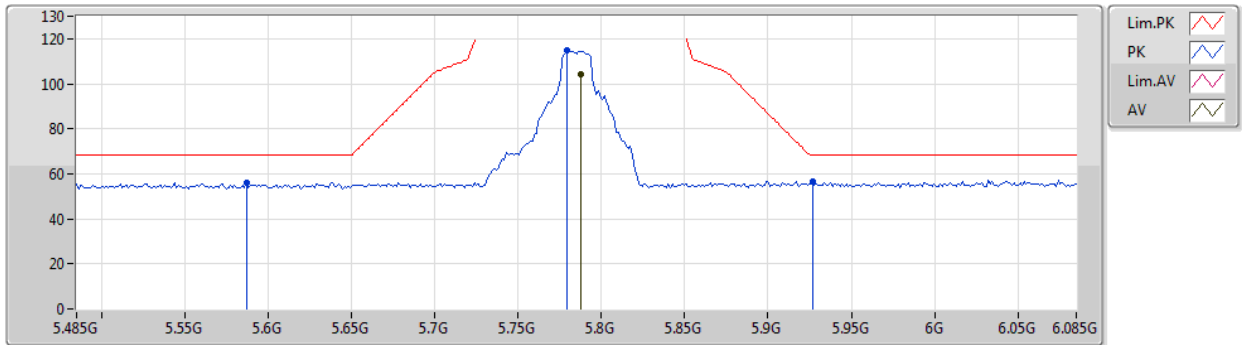


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 11.48903G    | 39.96             | 54.00             | -14.04         | 24.17         | 3           | Horizontal | 67             | 1.06          | -       | 39.61      | 10.68      | 34.50      |  |
| PK   | 11.48902G    | 53.46             | 74.00             | -20.54         | 37.67         | 3           | Horizontal | 67             | 1.06          | -       | 39.61      | 10.68      | 34.50      |  |

# 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

## 5785MHz\_TX



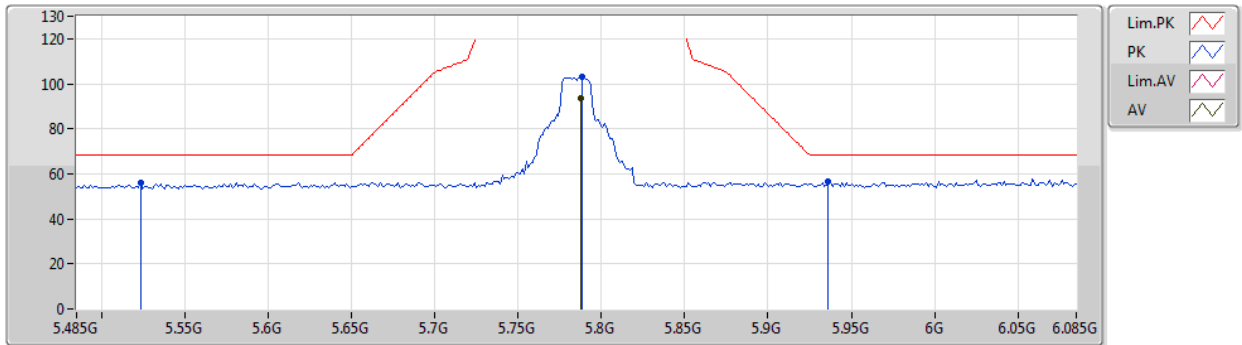
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.7874G      | 104.48            | Inf               | -Inf           | 99.00         | 3           | Vertical  | 4              | 1.54          | -       | 32.30      | 7.66       | 34.48      |
| PK   | 5.587G       | 56.05             | 68.20             | -12.15         | 50.93         | 3           | Vertical  | 4              | 1.54          | -       | 32.02      | 7.53       | 34.43      |
| PK   | 5.779G       | 114.62            | Inf               | -Inf           | 109.14        | 3           | Vertical  | 4              | 1.54          | -       | 32.29      | 7.66       | 34.47      |
| PK   | 5.9266G      | 56.38             | 68.20             | -11.82         | 50.64         | 3           | Vertical  | 4              | 1.54          | -       | 32.50      | 7.75       | 34.51      |



# 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

## 5785MHz\_TX

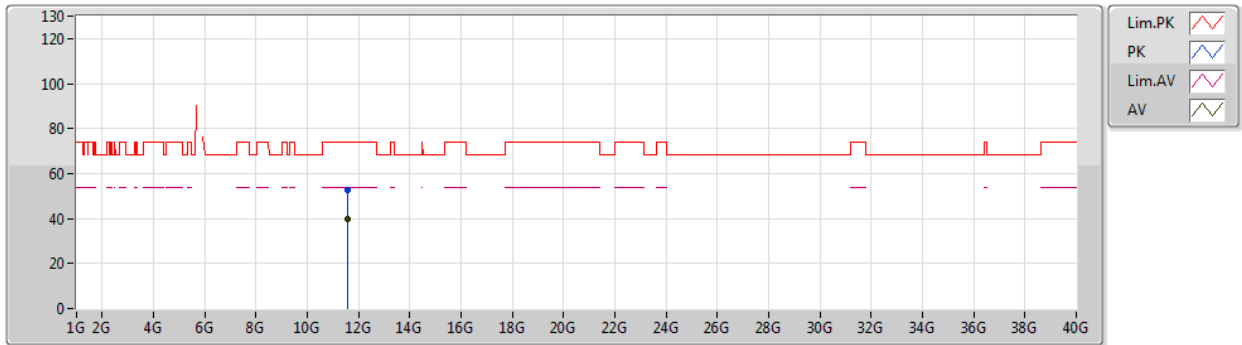


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.7874G      | 93.38             | Inf               | -Inf           | 87.90         | 3           | Horizontal | 225            | 1.37          | -       | 32.30      | 7.66       | 34.48      |
| PK   | 5.5234G      | 56.05             | 68.20             | -12.15         | 51.04         | 3           | Horizontal | 225            | 1.37          | -       | 31.93      | 7.49       | 34.41      |
| PK   | 5.7886G      | 103.09            | Inf               | -Inf           | 97.61         | 3           | Horizontal | 225            | 1.37          | -       | 32.30      | 7.66       | 34.48      |
| PK   | 5.9362G      | 56.72             | 68.20             | -11.48         | 50.96         | 3           | Horizontal | 225            | 1.37          | -       | 32.51      | 7.76       | 34.51      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5785MHz\_TX

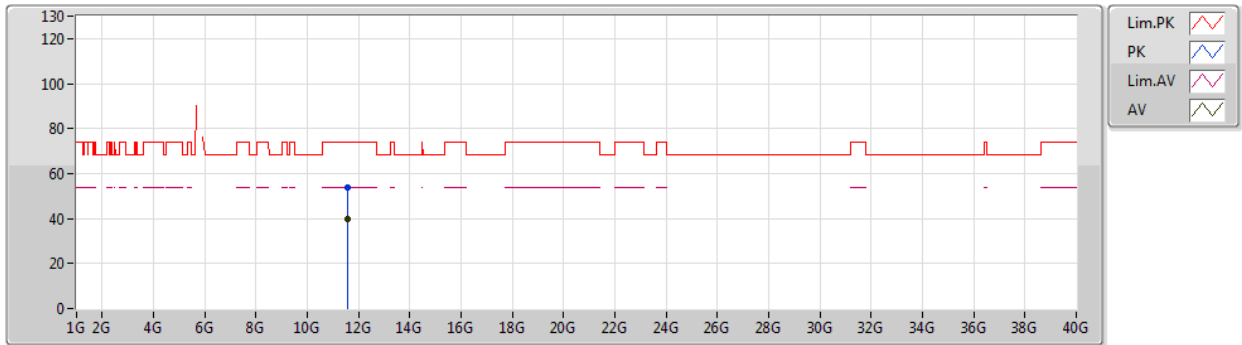


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.56806G    | 39.73             | 54.00             | -14.27         | 24.01         | 3           | Vertical  | 155            | 2.19          | -       | 39.52      | 10.72      | 34.52      |
| PK   | 11.56871G    | 52.87             | 74.00             | -21.13         | 37.15         | 3           | Vertical  | 155            | 2.19          | -       | 39.52      | 10.72      | 34.52      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5785MHz\_TX

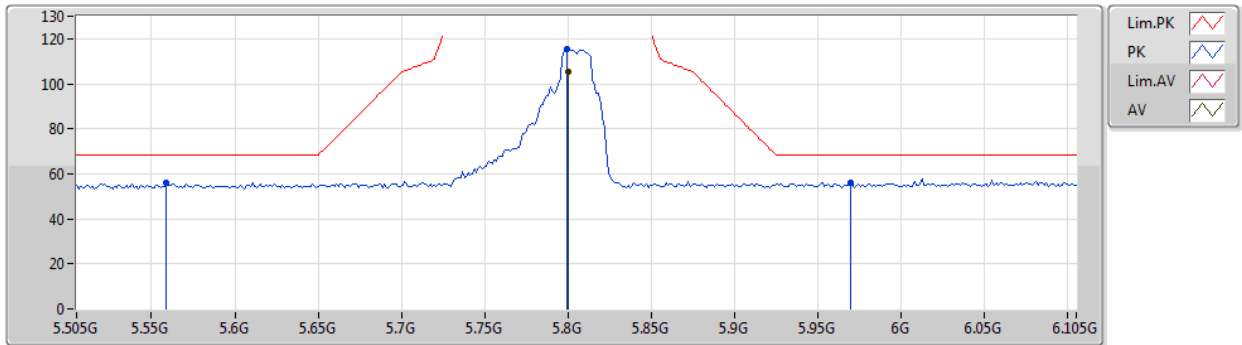


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.57077G    | 39.75             | 54.00             | -14.25         | 24.03         | 3           | Horizontal | 227            | 2.42          | -       | 39.52      | 10.72      | 34.52      |
| PK   | 11.56909G    | 53.96             | 74.00             | -20.04         | 38.24         | 3           | Horizontal | 227            | 2.42          | -       | 39.52      | 10.72      | 34.52      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5805MHz\_TX

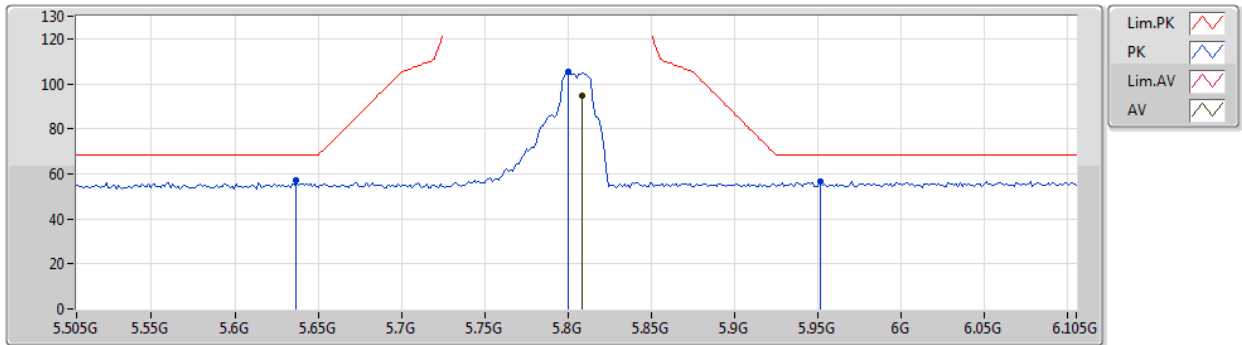


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.8002G      | 105.32            | Inf               | -Inf           | 99.81         | 3           | Vertical  | 5              | 1.37          | -       | 32.32      | 7.67       | 34.48      |
| PK   | 5.559G       | 56.20             | 68.20             | -12.00         | 51.13         | 3           | Vertical  | 5              | 1.37          | -       | 31.98      | 7.51       | 34.42      |
| PK   | 5.799G       | 115.50            | Inf               | -Inf           | 109.99        | 3           | Vertical  | 5              | 1.37          | -       | 32.32      | 7.67       | 34.48      |
| PK   | 5.9694G      | 56.23             | 68.20             | -11.97         | 50.40         | 3           | Vertical  | 5              | 1.37          | -       | 32.56      | 7.78       | 34.51      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5805MHz\_TX

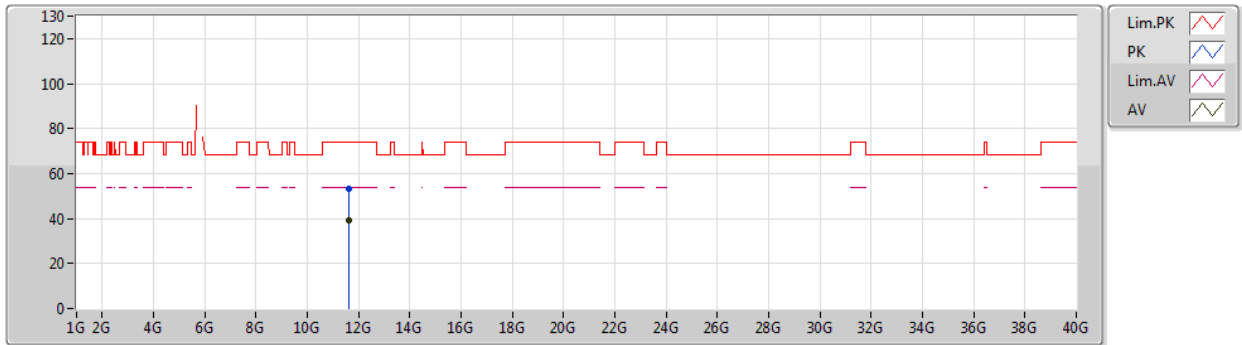


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.8086G      | 94.95             | Inf               | -Inf           | 89.43         | 3           | Horizontal | 217            | 1.62          | -       | 32.33      | 7.67       | 34.48      |
| PK   | 5.637G       | 56.98             | 68.20             | -11.22         | 51.77         | 3           | Horizontal | 217            | 1.62          | -       | 32.09      | 7.56       | 34.44      |
| PK   | 5.8002G      | 105.20            | Inf               | -Inf           | 99.69         | 3           | Horizontal | 217            | 1.62          | -       | 32.32      | 7.67       | 34.48      |
| PK   | 5.9514G      | 56.45             | 68.20             | -11.75         | 50.66         | 3           | Horizontal | 217            | 1.62          | -       | 32.53      | 7.77       | 34.51      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5805MHz\_TX

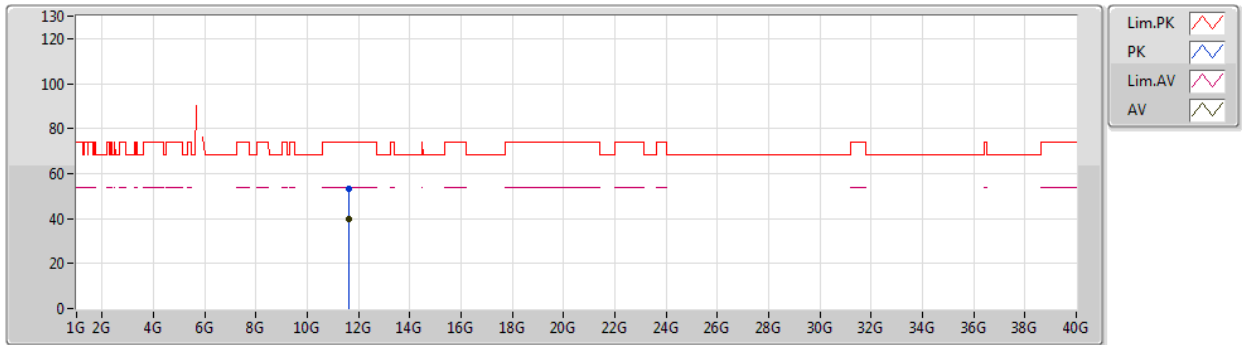


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.60969G    | 39.39             | 54.00             | -14.61         | 23.71         | 3           | Vertical  | 250            | 2.15          | -       | 39.47      | 10.74      | 34.53      |
| PK   | 11.61162G    | 53.24             | 74.00             | -20.76         | 37.57         | 3           | Vertical  | 250            | 2.15          | -       | 39.47      | 10.74      | 34.54      |

## 802.11a\_Nss1,(6Mbps)\_1TX

25/07/2019

### 5805MHz\_TX

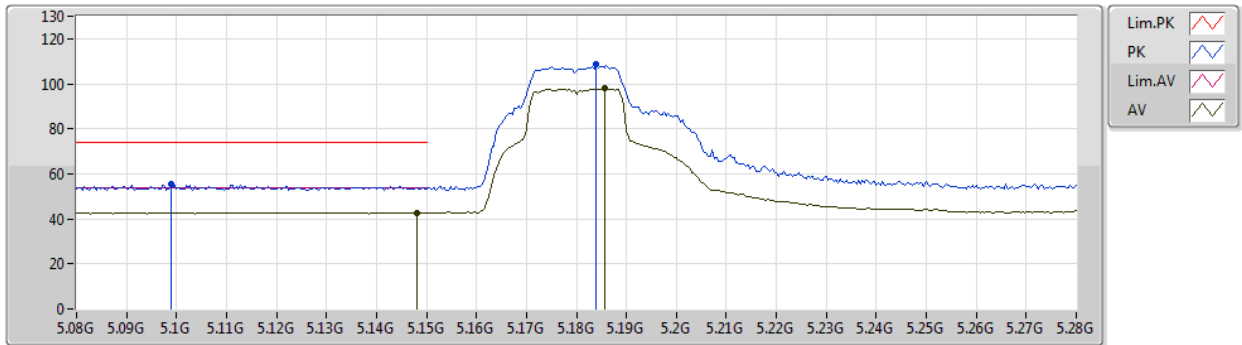


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.60858G    | 39.51             | 54.00             | -14.49         | 23.83         | 3           | Horizontal | 133            | 1.66          | -       | 39.47      | 10.74      | 34.53      |
| PK   | 11.60894G    | 53.29             | 74.00             | -20.71         | 37.61         | 3           | Horizontal | 133            | 1.66          | -       | 39.47      | 10.74      | 34.53      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5180MHz\_TX



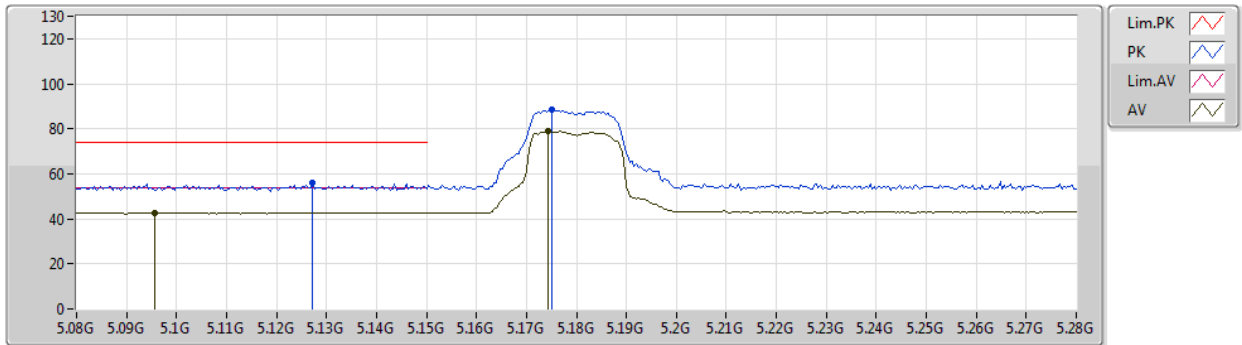
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 5.148G       | 42.86             | 54.00             | -11.14         | 38.50         | 3           | Vertical  | 18             | 1.94          | -       | 31.76      | 7.03       | 34.43      |  |
| AV   | 5.1856G      | 98.06             | Inf               | -Inf           | 93.63         | 3           | Vertical  | 18             | 1.94          | -       | 31.77      | 7.08       | 34.42      |  |
| PK   | 5.0988G      | 55.35             | 74.00             | -18.65         | 51.07         | 3           | Vertical  | 18             | 1.94          | -       | 31.74      | 6.97       | 34.43      |  |
| PK   | 5.184G       | 108.69            | Inf               | -Inf           | 104.26        | 3           | Vertical  | 18             | 1.94          | -       | 31.77      | 7.08       | 34.42      |  |



## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5180MHz\_TX

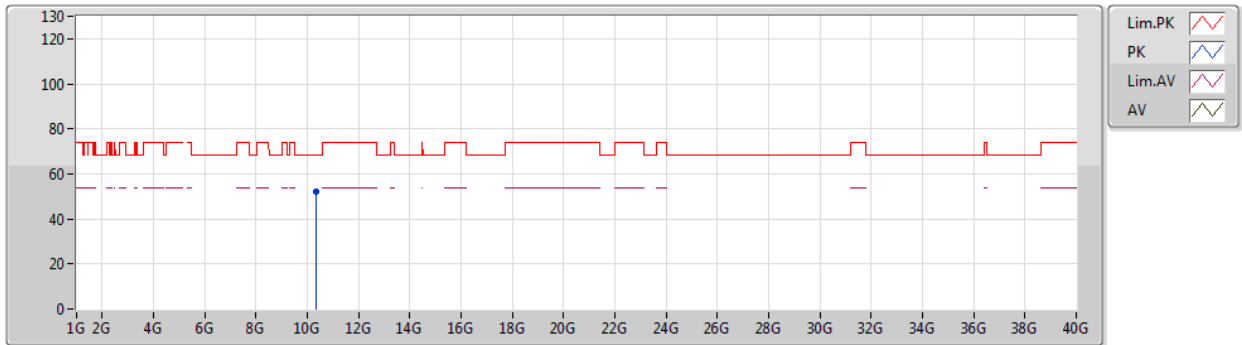


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.0956G      | 42.79             | 54.00             | -11.21         | 38.51         | 3           | Horizontal | 332            | 1.62          | -       | 31.74      | 6.97       | 34.43      |
| AV   | 5.1744G      | 79.24             | Inf               | -Inf           | 74.82         | 3           | Horizontal | 332            | 1.62          | -       | 31.77      | 7.07       | 34.42      |
| PK   | 5.1272G      | 56.23             | 74.00             | -17.77         | 51.90         | 3           | Horizontal | 332            | 1.62          | -       | 31.75      | 7.01       | 34.43      |
| PK   | 5.1752G      | 88.26             | Inf               | -Inf           | 83.84         | 3           | Horizontal | 332            | 1.62          | -       | 31.77      | 7.07       | 34.42      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5180MHz\_TX

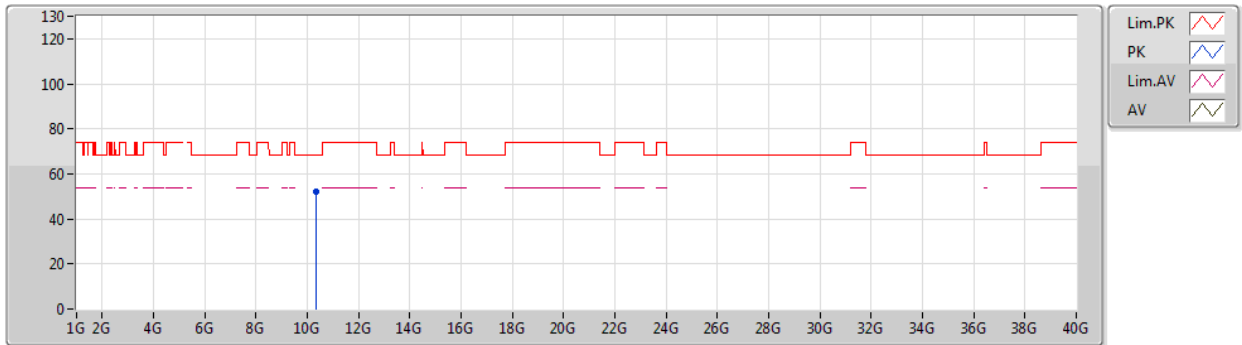


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.34722G    | 51.85             | 68.20             | -16.35         | 37.08         | 3           | Vertical  | 301            | 1.48          | -       | 39.35      | 10.33      | 34.91      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5180MHz\_TX

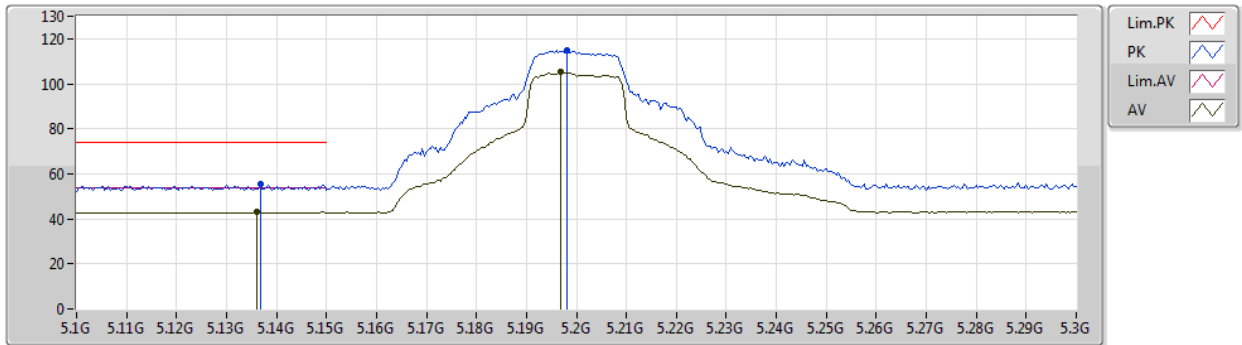


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.35832G    | 52.15             | 68.20             | -16.05         | 37.35         | 3           | Horizontal | 0              | 1.49          | -       | 39.37      | 10.33      | 34.90      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5200MHz\_TX

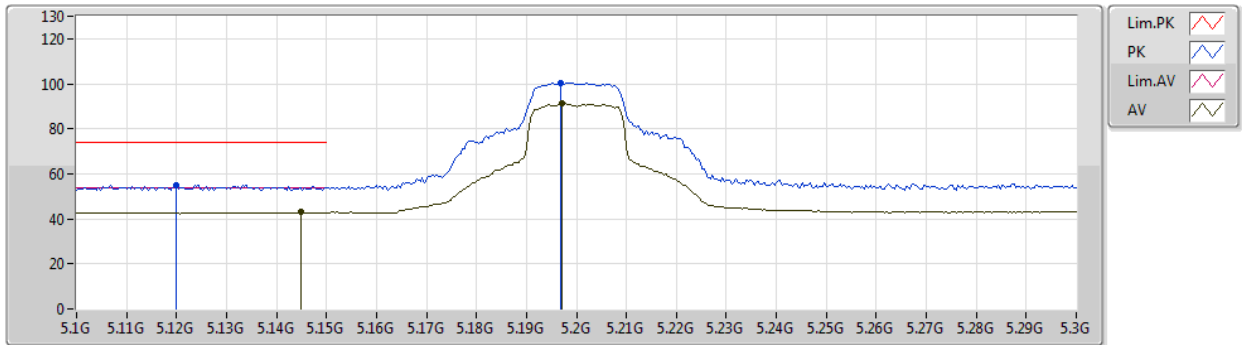


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.136G       | 42.94             | 54.00             | -11.06         | 38.60         | 3           | Vertical  | 302            | 1.74          | -       | 31.75      | 7.02       | 34.43      |
| AV   | 5.1968G      | 105.27            | Inf               | -Inf           | 100.81        | 3           | Vertical  | 302            | 1.74          | -       | 31.78      | 7.10       | 34.42      |
| PK   | 5.1368G      | 55.67             | 74.00             | -18.33         | 51.33         | 3           | Vertical  | 302            | 1.74          | -       | 31.75      | 7.02       | 34.43      |
| PK   | 5.198G       | 114.78            | Inf               | -Inf           | 110.32        | 3           | Vertical  | 302            | 1.74          | -       | 31.78      | 7.10       | 34.42      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

## 5200MHz\_TX

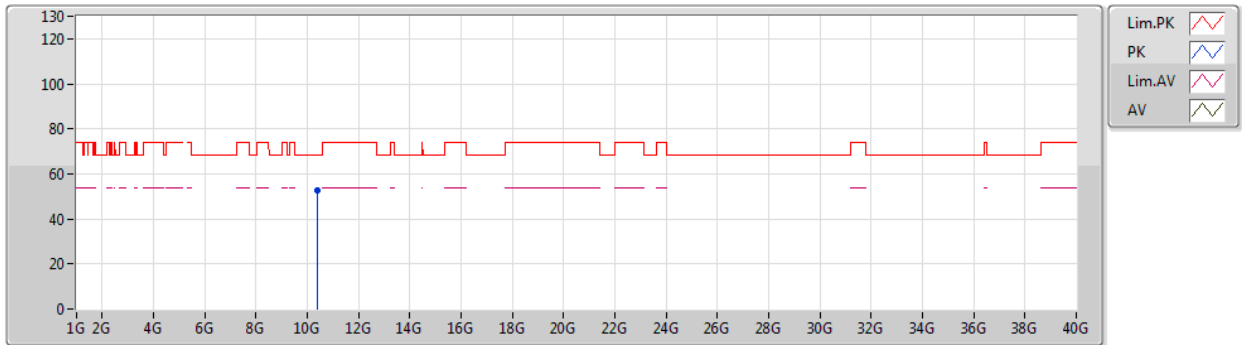


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1448G      | 42.88             | 54.00             | -11.12         | 38.52         | 3           | Horizontal | 248            | 1.61          | -       | 31.76      | 7.03       | 34.43      |
| AV   | 5.1972G      | 91.18             | Inf               | -Inf           | 86.72         | 3           | Horizontal | 248            | 1.61          | -       | 31.78      | 7.10       | 34.42      |
| PK   | 5.12G        | 54.96             | 74.00             | -19.04         | 50.64         | 3           | Horizontal | 248            | 1.61          | -       | 31.75      | 7.00       | 34.43      |
| PK   | 5.1968G      | 100.58            | Inf               | -Inf           | 96.12         | 3           | Horizontal | 248            | 1.61          | -       | 31.78      | 7.10       | 34.42      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5200MHz\_TX

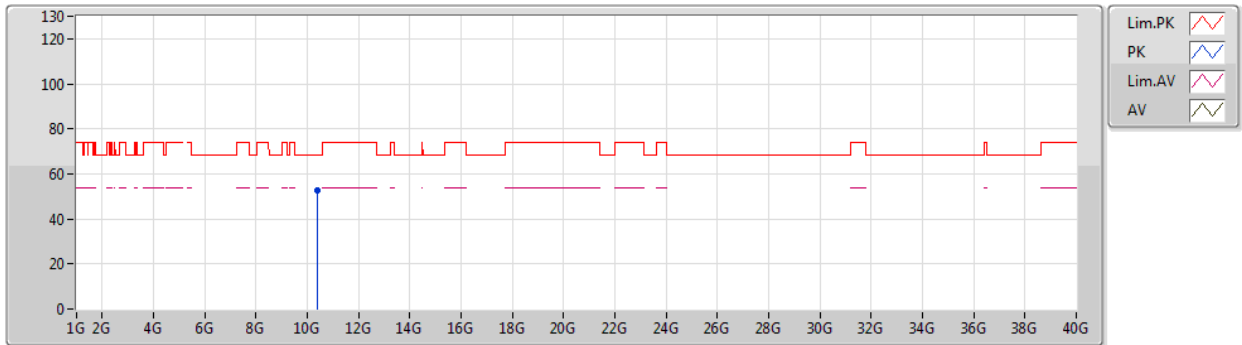


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.39358G    | 52.94             | 68.20             | -15.26         | 38.07         | 3           | Vertical  | 55             | 1.50          | -       | 39.41      | 10.33      | 34.87      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5200MHz\_TX

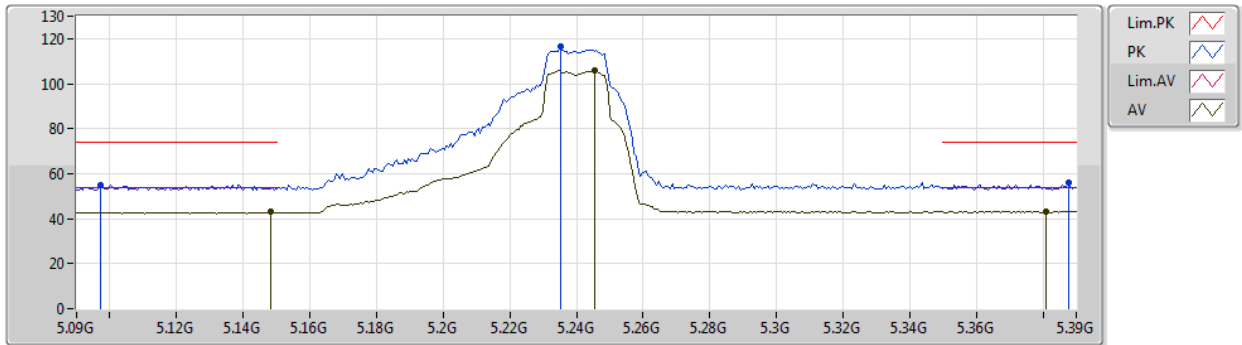


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.40324G    | 52.42             | 68.20             | -15.78         | 37.53         | 3           | Horizontal | 332            | 1.53          | -       | 39.42      | 10.34      | 34.87      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

## 5240MHz\_TX



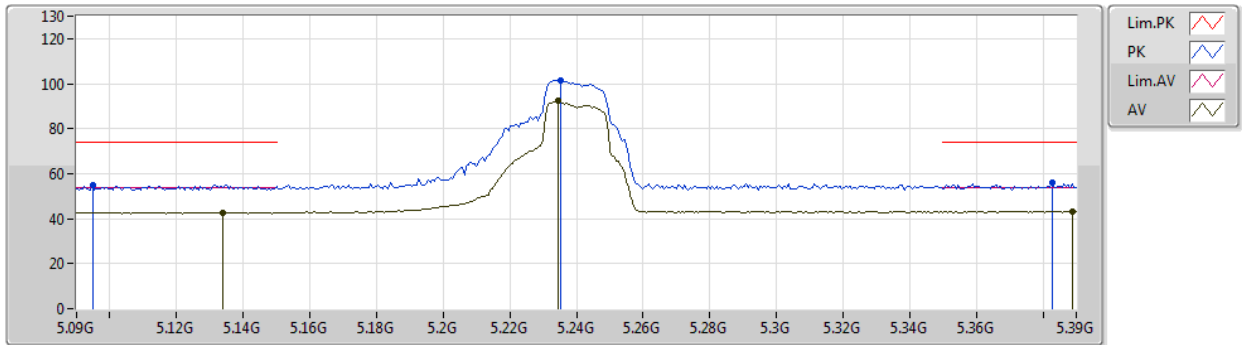
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1482G      | 42.87             | 54.00             | -11.13         | 38.51         | 3           | Vertical  | 302            | 2.71          | -       | 31.76      | 7.03       | 34.43      |
| AV   | 5.2454G      | 105.79            | Inf               | -Inf           | 101.25        | 3           | Vertical  | 302            | 2.71          | -       | 31.80      | 7.16       | 34.42      |
| AV   | 5.381G       | 43.17             | 54.00             | -10.83         | 38.40         | 3           | Vertical  | 302            | 2.71          | -       | 31.85      | 7.33       | 34.41      |
| PK   | 5.0972G      | 55.13             | 74.00             | -18.87         | 50.85         | 3           | Vertical  | 302            | 2.71          | -       | 31.74      | 6.97       | 34.43      |
| PK   | 5.2352G      | 116.37            | Inf               | -Inf           | 111.86        | 3           | Vertical  | 302            | 2.71          | -       | 31.79      | 7.14       | 34.42      |
| PK   | 5.3876G      | 55.79             | 74.00             | -18.21         | 51.01         | 3           | Vertical  | 302            | 2.71          | -       | 31.86      | 7.33       | 34.41      |



## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

## 5240MHz\_TX

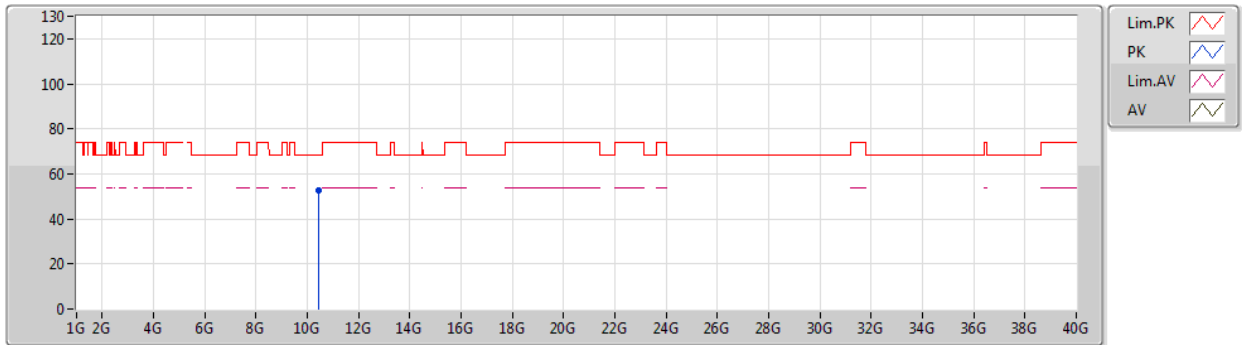


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1338G      | 42.76             | 54.00             | -11.24         | 38.42         | 3           | Horizontal | 239            | 2.86          | -       | 31.75      | 7.02       | 34.43      |
| AV   | 5.2346G      | 92.28             | Inf               | -Inf           | 87.77         | 3           | Horizontal | 239            | 2.86          | -       | 31.79      | 7.14       | 34.42      |
| AV   | 5.3888G      | 43.11             | 54.00             | -10.89         | 38.32         | 3           | Horizontal | 239            | 2.86          | -       | 31.86      | 7.34       | 34.41      |
| PK   | 5.0948G      | 55.16             | 74.00             | -18.84         | 50.88         | 3           | Horizontal | 239            | 2.86          | -       | 31.74      | 6.97       | 34.43      |
| PK   | 5.2352G      | 101.45            | Inf               | -Inf           | 96.94         | 3           | Horizontal | 239            | 2.86          | -       | 31.79      | 7.14       | 34.42      |
| PK   | 5.3828G      | 55.78             | 74.00             | -18.22         | 51.01         | 3           | Horizontal | 239            | 2.86          | -       | 31.85      | 7.33       | 34.41      |

# 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

## 5240MHz\_TX

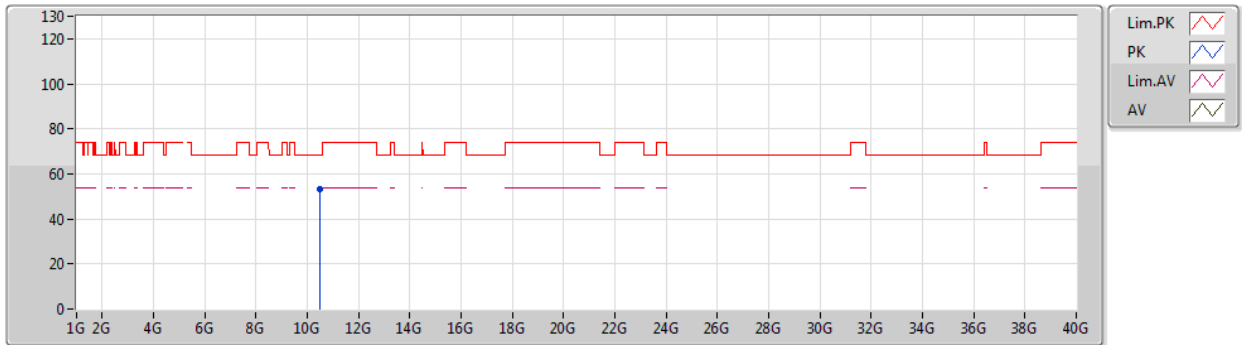


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.4653G     | 52.75             | 68.20             | -15.45         | 37.71         | 3           | Vertical  | 280            | 1.50          | -       | 39.50      | 10.35      | 34.81      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5240MHz\_TX

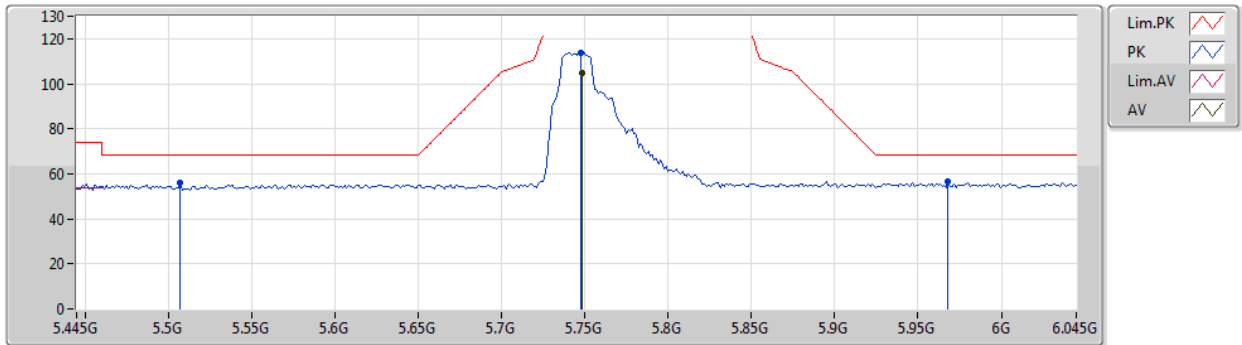


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.49374G    | 53.32             | 68.20             | -14.88         | 38.22         | 3           | Horizontal | 236            | 1.74          | -       | 39.54      | 10.35      | 34.79      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5745MHz\_TX

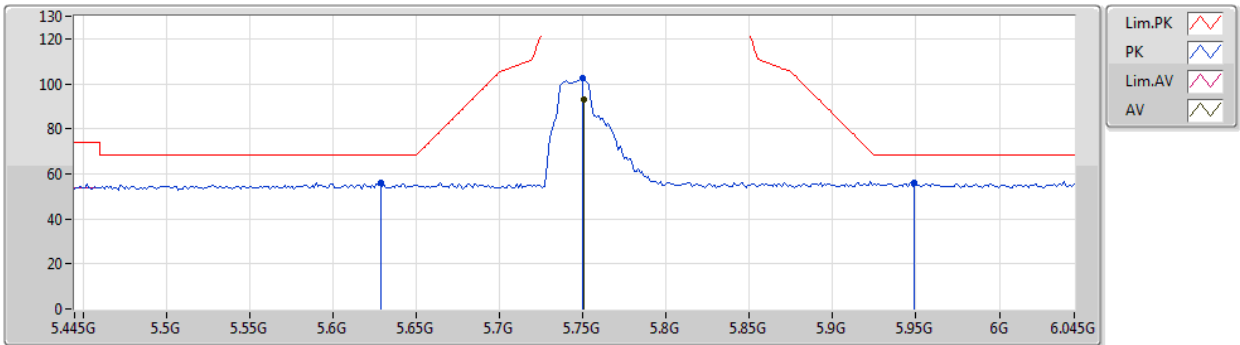


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.7486G      | 104.66            | Inf               | -Inf           | 99.23         | 3           | Vertical  | 328            | 2.28          | -       | 32.25      | 7.64       | 34.46      |
| PK   | 5.5074G      | 55.76             | 68.20             | -12.44         | 50.78         | 3           | Vertical  | 328            | 2.28          | -       | 31.91      | 7.48       | 34.41      |
| PK   | 5.7474G      | 113.77            | Inf               | -Inf           | 108.34        | 3           | Vertical  | 328            | 2.28          | -       | 32.25      | 7.64       | 34.46      |
| PK   | 5.9682G      | 56.52             | 68.20             | -11.68         | 50.69         | 3           | Vertical  | 328            | 2.28          | -       | 32.56      | 7.78       | 34.51      |

# 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

## 5745MHz\_TX

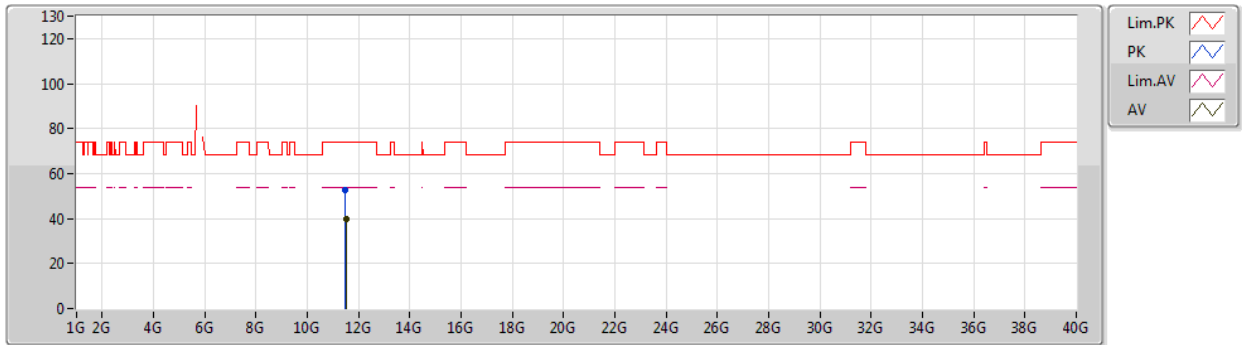


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.751G       | 92.97             | Inf               | -Inf           | 87.55         | 3           | Horizontal | 344            | 2.89          | -       | 32.25      | 7.64       | 34.47      |
| PK   | 5.6286G      | 56.10             | 68.20             | -12.10         | 50.90         | 3           | Horizontal | 344            | 2.89          | -       | 32.08      | 7.56       | 34.44      |
| PK   | 5.7498G      | 102.27            | Inf               | -Inf           | 96.84         | 3           | Horizontal | 344            | 2.89          | -       | 32.25      | 7.64       | 34.46      |
| PK   | 5.949G       | 56.28             | 68.20             | -11.92         | 50.49         | 3           | Horizontal | 344            | 2.89          | -       | 32.53      | 7.77       | 34.51      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5745MHz\_TX

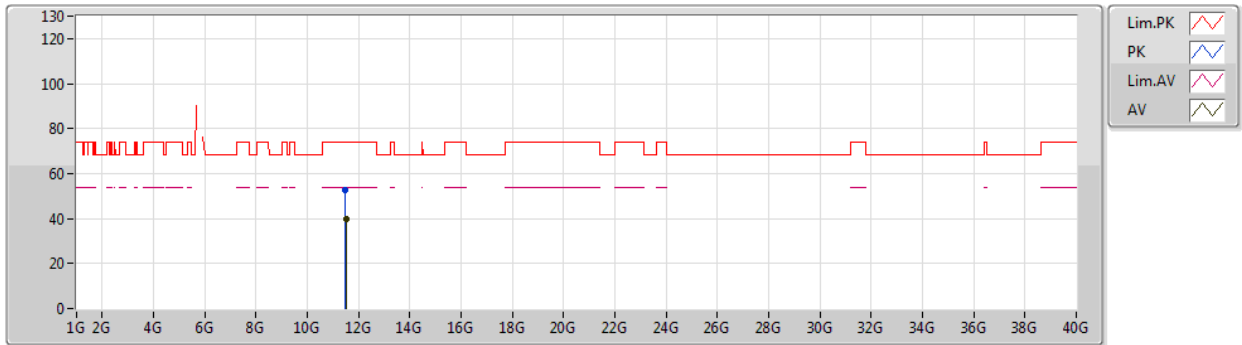


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.50014G    | 39.88             | 54.00             | -14.12         | 24.10         | 3           | Vertical  | 306            | 2.63          | -       | 39.60      | 10.69      | 34.51      |
| PK   | 11.49624G    | 52.61             | 74.00             | -21.39         | 36.83         | 3           | Vertical  | 306            | 2.63          | -       | 39.60      | 10.68      | 34.50      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5745MHz\_TX

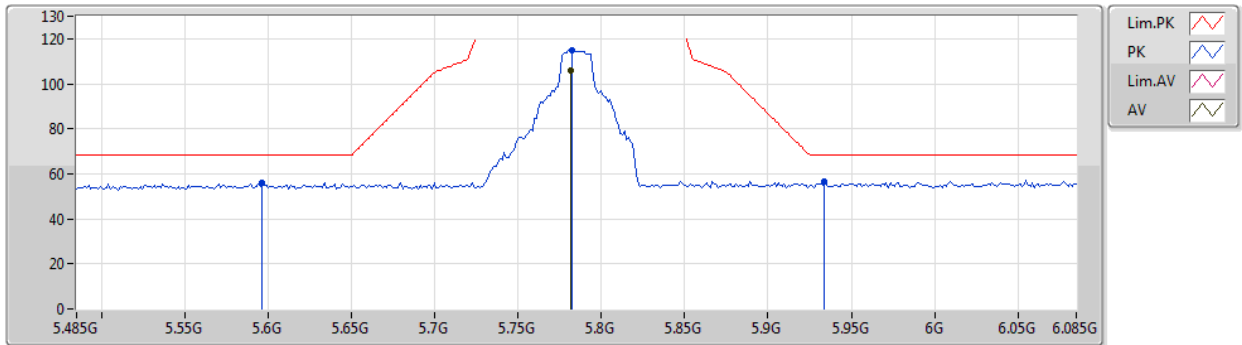


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.50164G    | 39.83             | 54.00             | -14.17         | 24.05         | 3           | Horizontal | 203            | 1.50          | -       | 39.60      | 10.69      | 34.51      |
| PK   | 11.48616G    | 52.71             | 74.00             | -21.29         | 36.91         | 3           | Horizontal | 203            | 1.50          | -       | 39.62      | 10.68      | 34.50      |

# 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

## 5785MHz\_TX



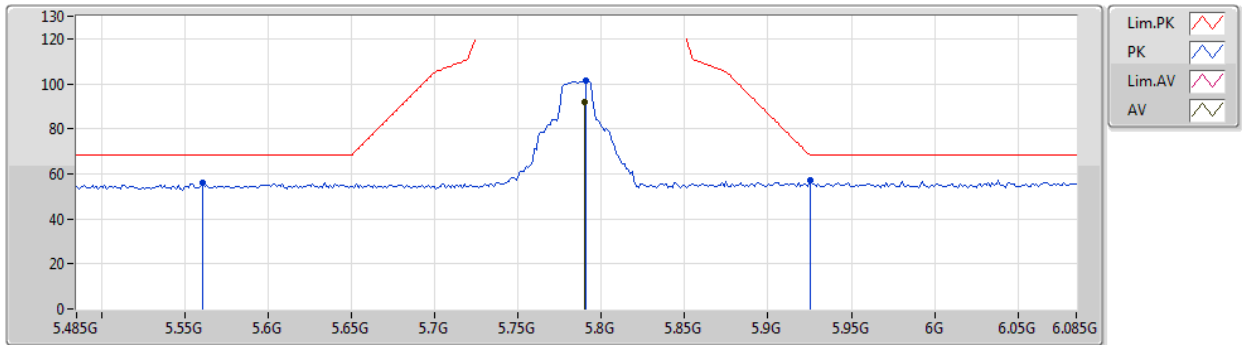
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.7814G      | 105.73            | Inf               | -Inf           | 100.25        | 3           | Vertical  | 300            | 2.40          | -       | 32.29      | 7.66       | 34.47      |
| PK   | 5.5966G      | 56.15             | 68.20             | -12.05         | 51.00         | 3           | Vertical  | 300            | 2.40          | -       | 32.04      | 7.54       | 34.43      |
| PK   | 5.7826G      | 114.82            | Inf               | -Inf           | 109.33        | 3           | Vertical  | 300            | 2.40          | -       | 32.30      | 7.66       | 34.47      |
| PK   | 5.9338G      | 56.64             | 68.20             | -11.56         | 50.88         | 3           | Vertical  | 300            | 2.40          | -       | 32.51      | 7.76       | 34.51      |



# 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

## 5785MHz\_TX

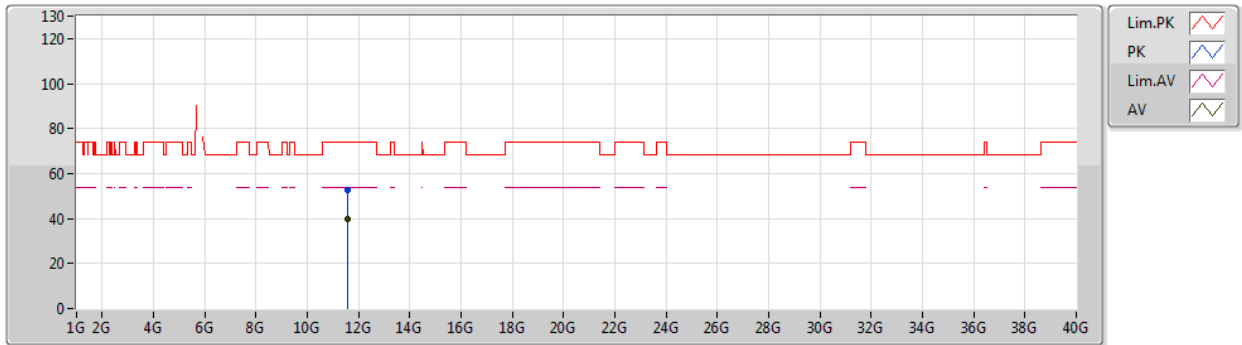


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.7898G      | 92.06             | Inf               | -Inf           | 86.57         | 3           | Horizontal | 339            | 2.66          | -       | 32.31      | 7.66       | 34.48      |
| PK   | 5.5606G      | 55.96             | 68.20             | -12.24         | 50.88         | 3           | Horizontal | 339            | 2.66          | -       | 31.98      | 7.52       | 34.42      |
| PK   | 5.791G       | 101.22            | Inf               | -Inf           | 95.73         | 3           | Horizontal | 339            | 2.66          | -       | 32.31      | 7.66       | 34.48      |
| PK   | 5.9254G      | 57.02             | 68.20             | -11.18         | 51.28         | 3           | Horizontal | 339            | 2.66          | -       | 32.50      | 7.75       | 34.51      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5785MHz\_TX

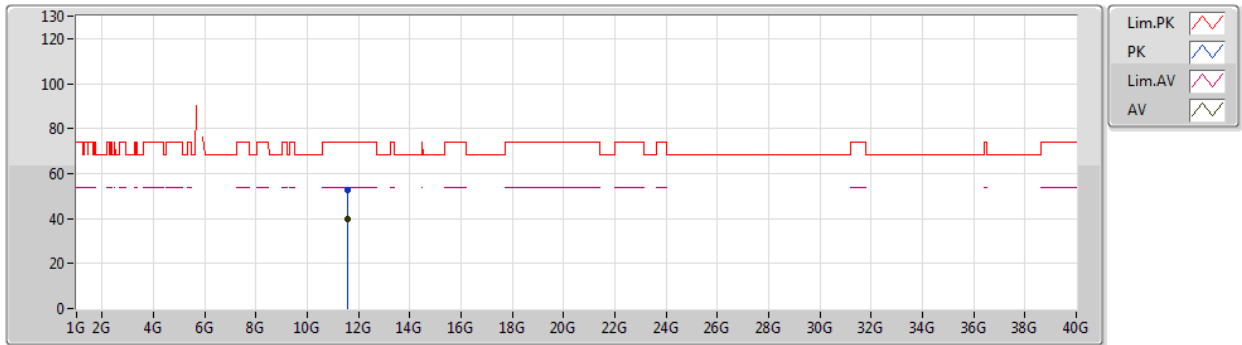


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.5823G     | 39.92             | 54.00             | -14.08         | 24.22         | 3           | Vertical  | 56             | 1.50          | -       | 39.50      | 10.73      | 34.53      |
| PK   | 11.57162G    | 52.80             | 74.00             | -21.20         | 37.09         | 3           | Vertical  | 56             | 1.50          | -       | 39.51      | 10.72      | 34.52      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5785MHz\_TX

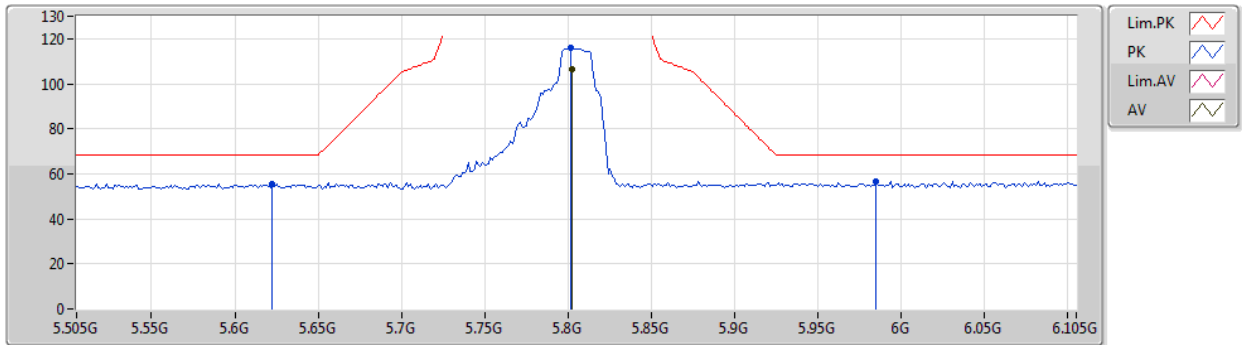


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.57924G    | 40.00             | 54.00             | -14.00         | 24.30         | 3           | Horizontal | 82             | 2.91          | -       | 39.50      | 10.73      | 34.53      |
| PK   | 11.56376G    | 52.70             | 74.00             | -21.30         | 36.98         | 3           | Horizontal | 82             | 2.91          | -       | 39.52      | 10.72      | 34.52      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5805MHz\_TX

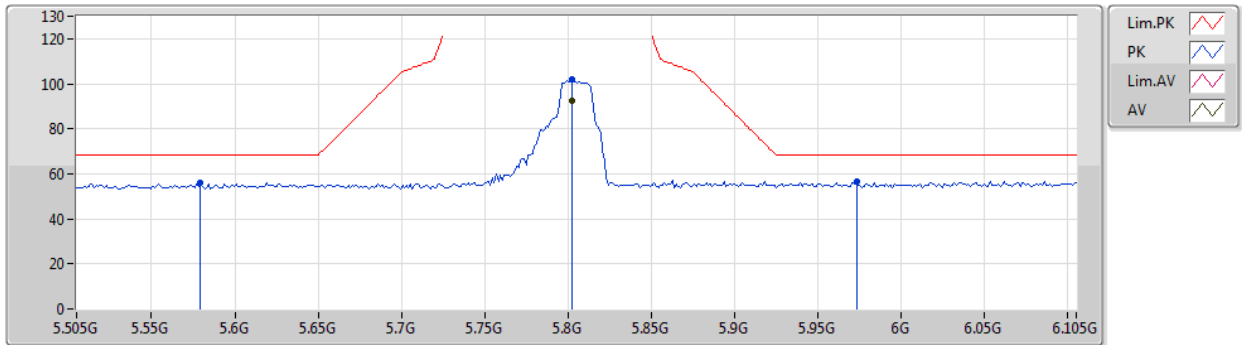


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.8026G      | 106.46            | Inf               | -Inf           | 100.95        | 3           | Vertical  | 300            | 2.23          | -       | 32.32      | 7.67       | 34.48      |
| PK   | 5.6226G      | 55.52             | 68.20             | -12.68         | 50.33         | 3           | Vertical  | 300            | 2.23          | -       | 32.07      | 7.55       | 34.43      |
| PK   | 5.8014G      | 116.02            | Inf               | -Inf           | 110.51        | 3           | Vertical  | 300            | 2.23          | -       | 32.32      | 7.67       | 34.48      |
| PK   | 5.985G       | 56.67             | 68.20             | -11.53         | 50.82         | 3           | Vertical  | 300            | 2.23          | -       | 32.58      | 7.79       | 34.52      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5805MHz\_TX

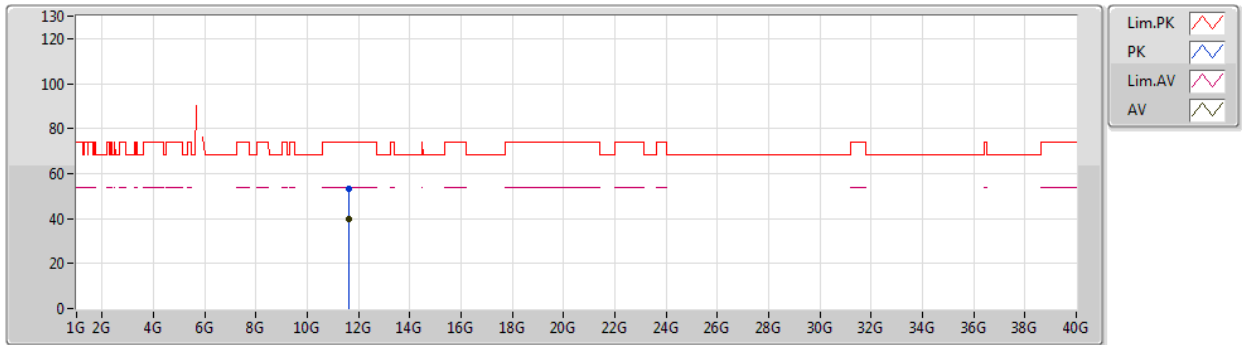


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.8026G      | 92.32             | Inf               | -Inf           | 86.81         | 3           | Horizontal | 187            | 1.50          | -       | 32.32      | 7.67       | 34.48      |
| PK   | 5.5794G      | 56.07             | 68.20             | -12.13         | 50.96         | 3           | Horizontal | 187            | 1.50          | -       | 32.01      | 7.53       | 34.43      |
| PK   | 5.8026G      | 102.04            | Inf               | -Inf           | 96.53         | 3           | Horizontal | 187            | 1.50          | -       | 32.32      | 7.67       | 34.48      |
| PK   | 5.973G       | 56.44             | 68.20             | -11.76         | 50.61         | 3           | Horizontal | 187            | 1.50          | -       | 32.56      | 7.78       | 34.51      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5805MHz\_TX

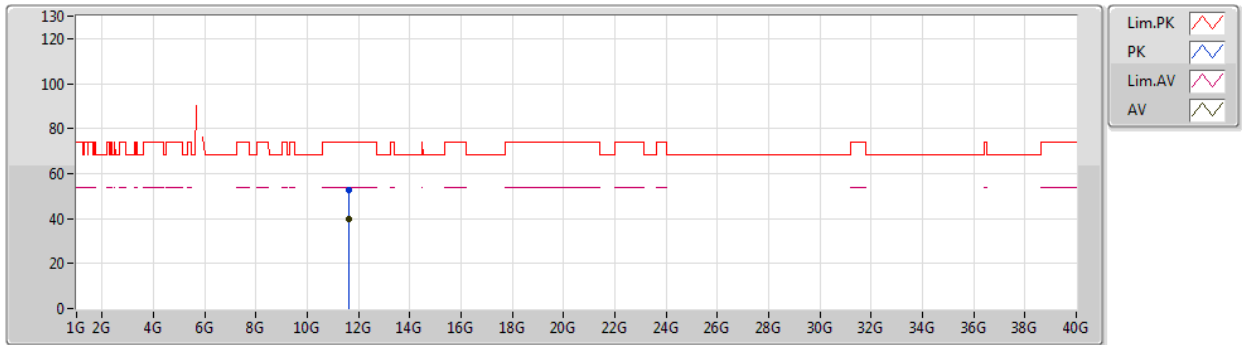


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.60588G    | 39.65             | 54.00             | -14.35         | 23.97         | 3           | Vertical  | 272            | 1.50          | -       | 39.47      | 10.74      | 34.53      |
| PK   | 11.61438G    | 53.27             | 74.00             | -20.73         | 37.61         | 3           | Vertical  | 272            | 1.50          | -       | 39.46      | 10.74      | 34.54      |

## 802.11n HT20\_Nss1,(MCS0)\_1TX

23/07/2019

### 5805MHz\_TX

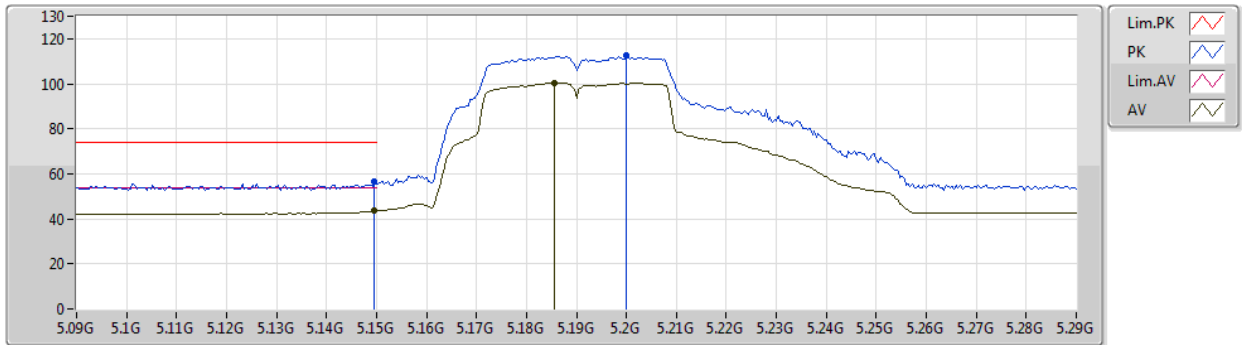


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.60606G    | 39.92             | 54.00             | -14.08         | 24.24         | 3           | Horizontal | 175            | 2.74          | -       | 39.47      | 10.74      | 34.53      |
| PK   | 11.6113G     | 52.75             | 74.00             | -21.25         | 37.08         | 3           | Horizontal | 175            | 2.74          | -       | 39.47      | 10.74      | 34.54      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

23/07/2019

### 5190MHz\_TX



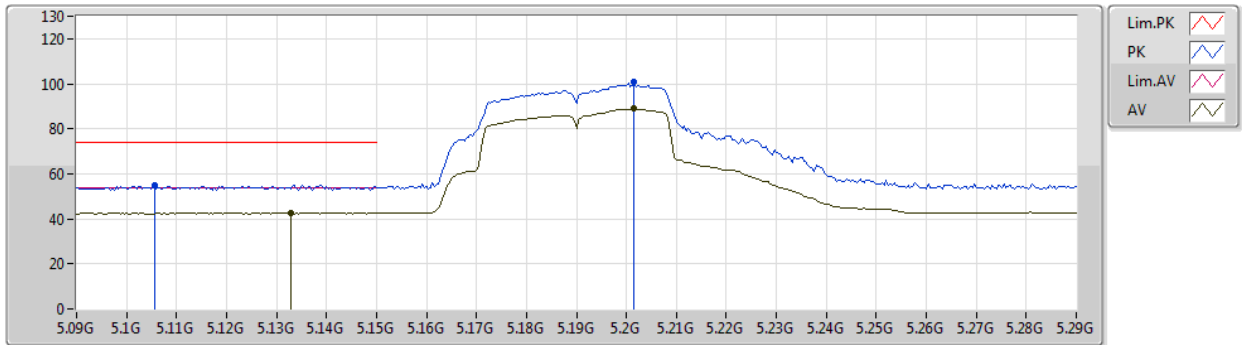
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1496G      | 43.61             | 54.00             | -10.39         | 39.24         | 3           | Vertical  | 299            | 2.86          | -       | 31.76      | 7.04       | 34.43      |
| AV   | 5.1856G      | 100.48            | Inf               | -Inf           | 96.05         | 3           | Vertical  | 299            | 2.86          | -       | 31.77      | 7.08       | 34.42      |
| PK   | 5.1496G      | 56.38             | 74.00             | -17.62         | 52.01         | 3           | Vertical  | 299            | 2.86          | -       | 31.76      | 7.04       | 34.43      |
| PK   | 5.2G         | 112.55            | Inf               | -Inf           | 108.09        | 3           | Vertical  | 299            | 2.86          | -       | 31.78      | 7.10       | 34.42      |



## 802.11n HT40\_Nss1,(MCS0)\_1TX

23/07/2019

### 5190MHz\_TX

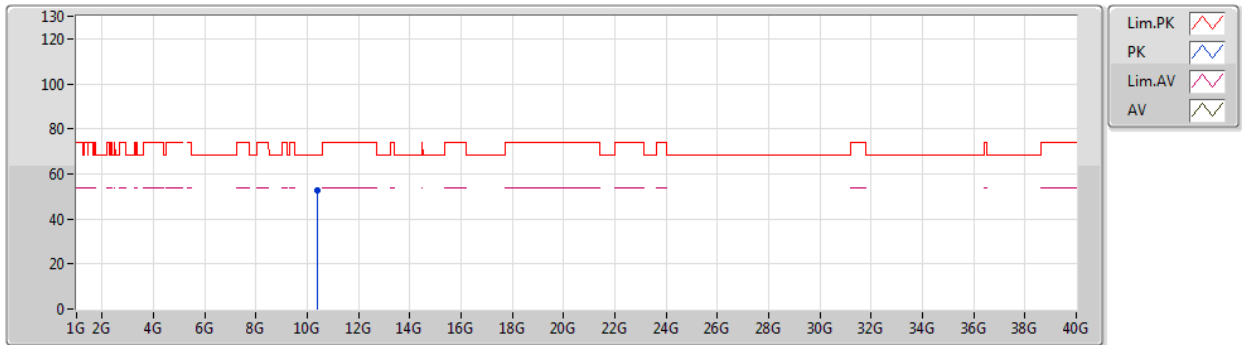


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1328G      | 42.58             | 54.00             | -11.42         | 38.25         | 3           | Horizontal | 185            | 1.85          | -       | 31.75      | 7.01       | 34.43      |
| AV   | 5.2016G      | 88.89             | Inf               | -Inf           | 84.43         | 3           | Horizontal | 185            | 1.85          | -       | 31.78      | 7.10       | 34.42      |
| PK   | 5.1056G      | 55.09             | 74.00             | -18.91         | 50.80         | 3           | Horizontal | 185            | 1.85          | -       | 31.74      | 6.98       | 34.43      |
| PK   | 5.2016G      | 100.61            | Inf               | -Inf           | 96.15         | 3           | Horizontal | 185            | 1.85          | -       | 31.78      | 7.10       | 34.42      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

23/07/2019

### 5190MHz\_TX

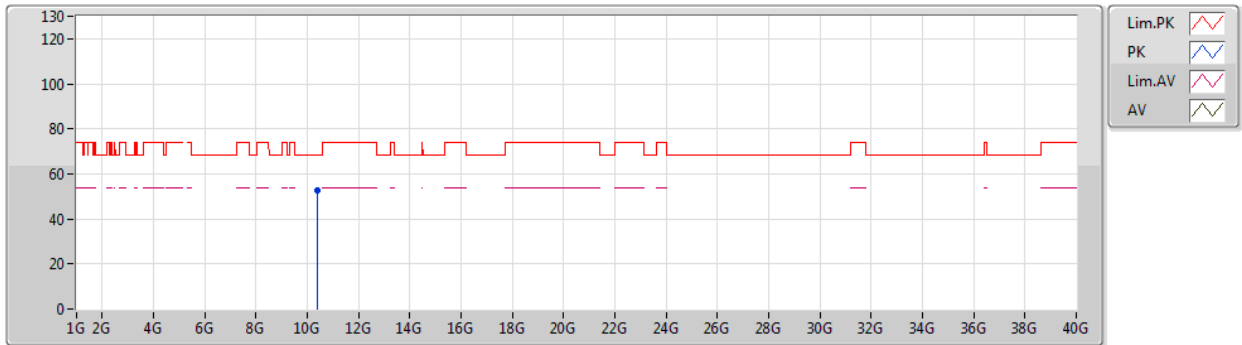


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.37896G    | 52.77             | 68.20             | -15.43         | 37.94         | 3           | Vertical  | 242            | 1.26          | -       | 39.39      | 10.33      | 34.89      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

23/07/2019

### 5190MHz\_TX

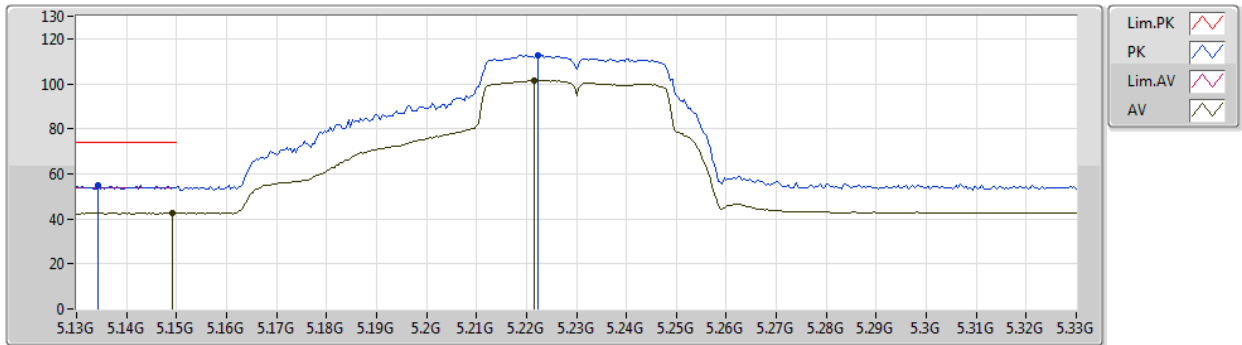


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.3926G     | 52.72             | 68.20             | -15.48         | 37.85         | 3           | Horizontal | 50             | 2.19          | -       | 39.41      | 10.33      | 34.87      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5230MHz\_TX

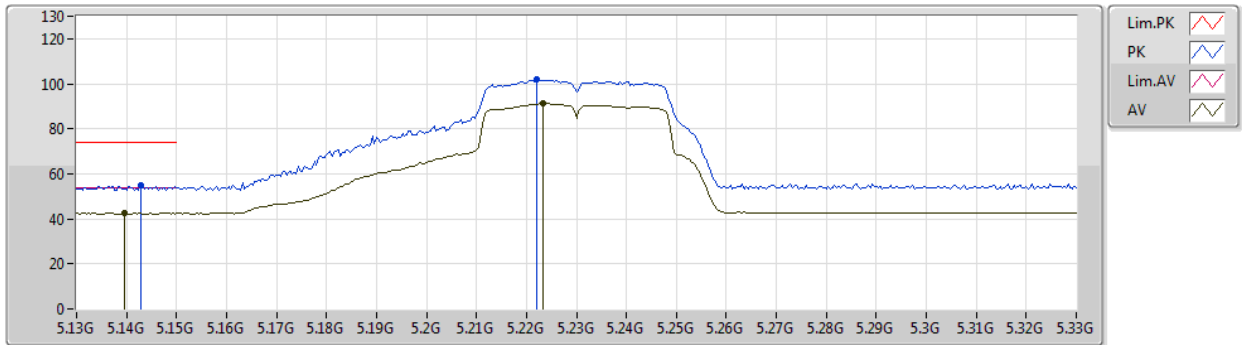


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1492G      | 42.43             | 54.00             | -11.57         | 38.06         | 3           | Vertical  | 301            | 2.59          | -       | 31.76      | 7.04       | 34.43      |
| AV   | 5.2216G      | 101.59            | Inf               | -Inf           | 97.09         | 3           | Vertical  | 301            | 2.59          | -       | 31.79      | 7.13       | 34.42      |
| PK   | 5.1344G      | 55.00             | 74.00             | -19.00         | 50.66         | 3           | Vertical  | 301            | 2.59          | -       | 31.75      | 7.02       | 34.43      |
| PK   | 5.2224G      | 112.71            | Inf               | -Inf           | 108.21        | 3           | Vertical  | 301            | 2.59          | -       | 31.79      | 7.13       | 34.42      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5230MHz\_TX

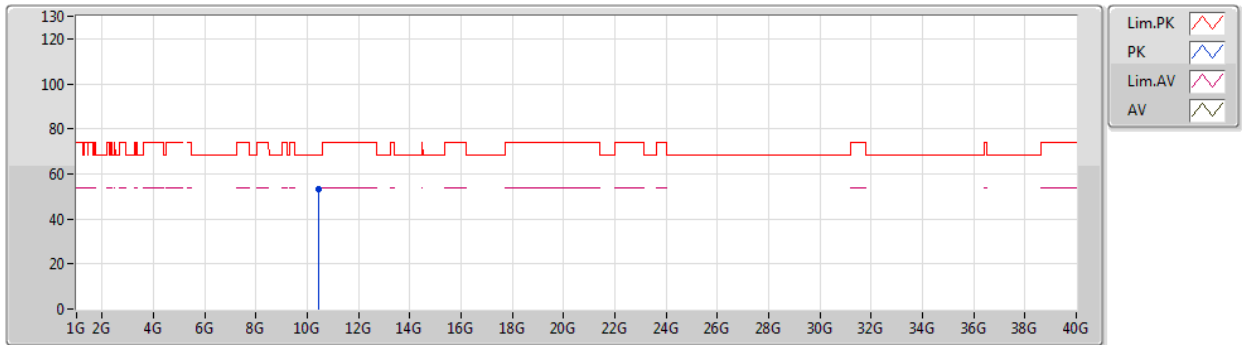


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.1396G      | 42.53             | 54.00             | -11.47         | 38.18         | 3           | Horizontal | 253            | 1.65          | -       | 31.76      | 7.02       | 34.43      |
| AV   | 5.2232G      | 91.15             | Inf               | -Inf           | 86.65         | 3           | Horizontal | 253            | 1.65          | -       | 31.79      | 7.13       | 34.42      |
| PK   | 5.1428G      | 54.95             | 74.00             | -19.05         | 50.59         | 3           | Horizontal | 253            | 1.65          | -       | 31.76      | 7.03       | 34.43      |
| PK   | 5.222G       | 101.90            | Inf               | -Inf           | 97.40         | 3           | Horizontal | 253            | 1.65          | -       | 31.79      | 7.13       | 34.42      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5230MHz\_TX

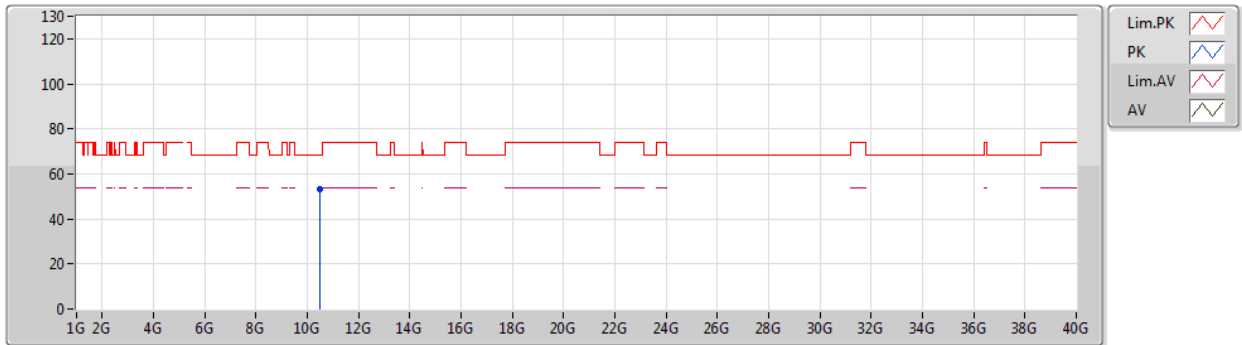


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.45202G    | 53.41             | 68.20             | -14.79         | 38.40         | 3           | Vertical  | 152            | 1.80          | -       | 39.49      | 10.34      | 34.82      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5230MHz\_TX

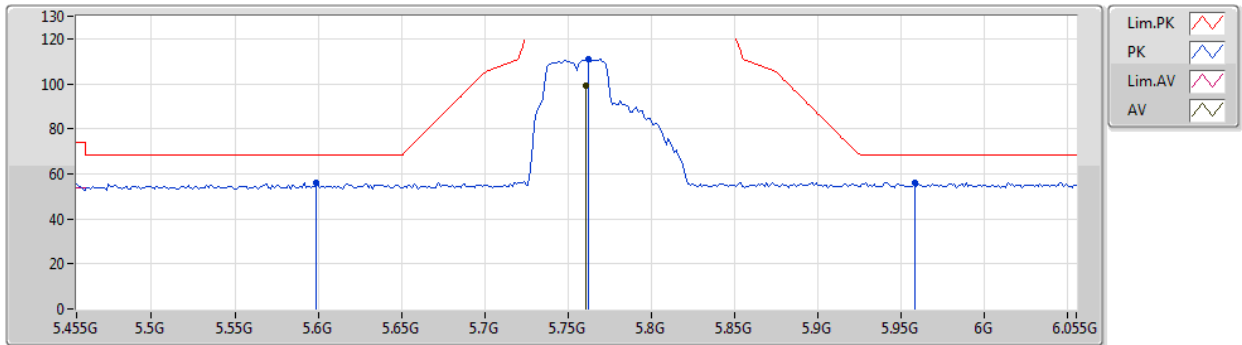


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.472G      | 52.98             | 68.20             | -15.22         | 37.93         | 3           | Horizontal | 85             | 1.48          | -       | 39.51      | 10.35      | 34.81      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5755MHz\_TX



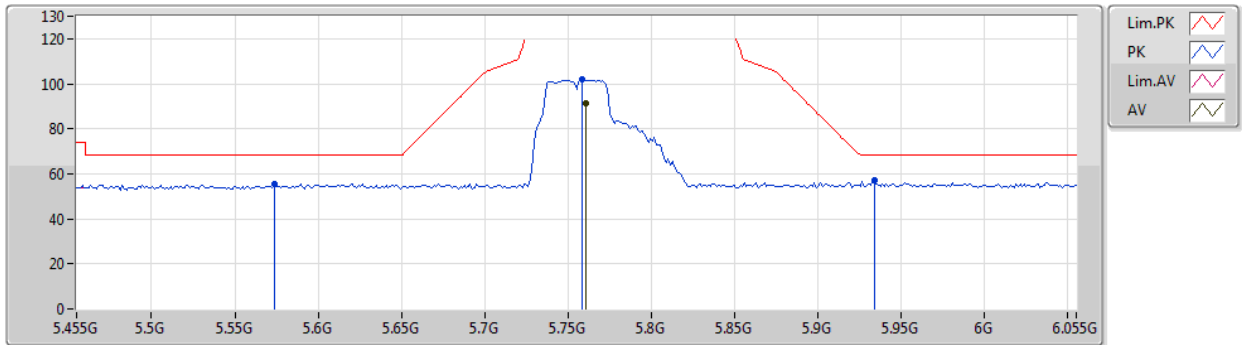
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.761G       | 99.22             | Inf               | -Inf           | 93.78         | 3           | Vertical  | 187            | 1.97          | -       | 32.27      | 7.64       | 34.47      |
| PK   | 5.599G       | 56.24             | 68.20             | -11.96         | 51.09         | 3           | Vertical  | 187            | 1.97          | -       | 32.04      | 7.54       | 34.43      |
| PK   | 5.7622G      | 111.10            | Inf               | -Inf           | 105.66        | 3           | Vertical  | 187            | 1.97          | -       | 32.27      | 7.64       | 34.47      |
| PK   | 5.9578G      | 56.13             | 68.20             | -12.07         | 50.33         | 3           | Vertical  | 187            | 1.97          | -       | 32.54      | 7.77       | 34.51      |



## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5755MHz\_TX

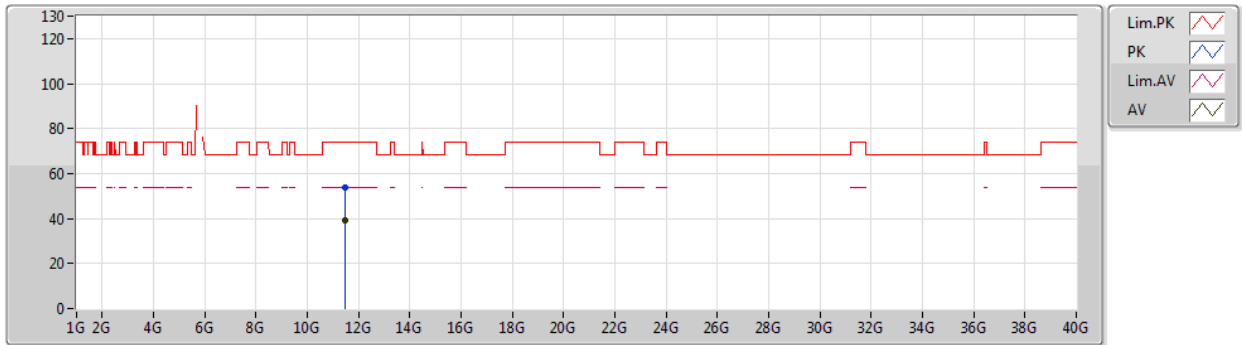


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.761G       | 91.60             | Inf               | -Inf           | 86.16         | 3           | Horizontal | 256            | 1.56          | -       | 32.27      | 7.64       | 34.47      |
| PK   | 5.5738G      | 55.73             | 68.20             | -12.47         | 50.63         | 3           | Horizontal | 256            | 1.56          | -       | 32.00      | 7.52       | 34.42      |
| PK   | 5.7586G      | 101.82            | Inf               | -Inf           | 96.39         | 3           | Horizontal | 256            | 1.56          | -       | 32.26      | 7.64       | 34.47      |
| PK   | 5.9338G      | 57.28             | 68.20             | -10.92         | 51.52         | 3           | Horizontal | 256            | 1.56          | -       | 32.51      | 7.76       | 34.51      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5755MHz\_TX

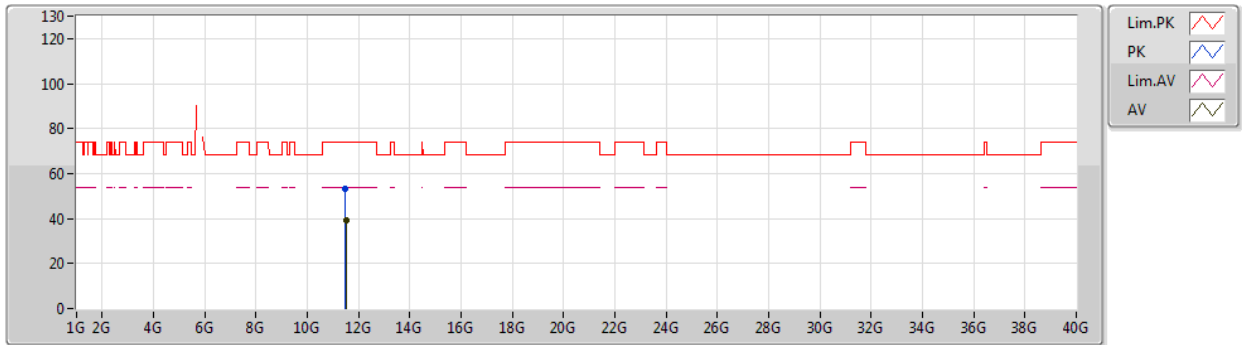


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.49662G    | 39.44             | 54.00             | -14.56         | 23.66         | 3           | Vertical  | 57             | 1.50          | -       | 39.60      | 10.68      | 34.50      |
| PK   | 11.49812G    | 54.02             | 74.00             | -19.98         | 38.23         | 3           | Vertical  | 57             | 1.50          | -       | 39.60      | 10.69      | 34.50      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5755MHz\_TX

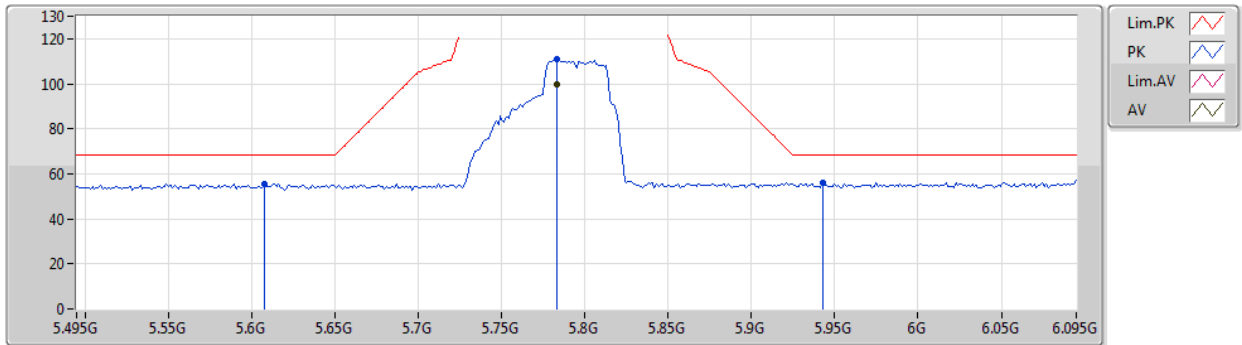


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.51936G    | 39.40             | 54.00             | -14.60         | 23.63         | 3           | Horizontal | 54             | 1.37          | -       | 39.58      | 10.70      | 34.51      |
| PK   | 11.49632G    | 53.22             | 74.00             | -20.78         | 37.44         | 3           | Horizontal | 54             | 1.37          | -       | 39.60      | 10.68      | 34.50      |

# 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

## 5795MHz\_TX

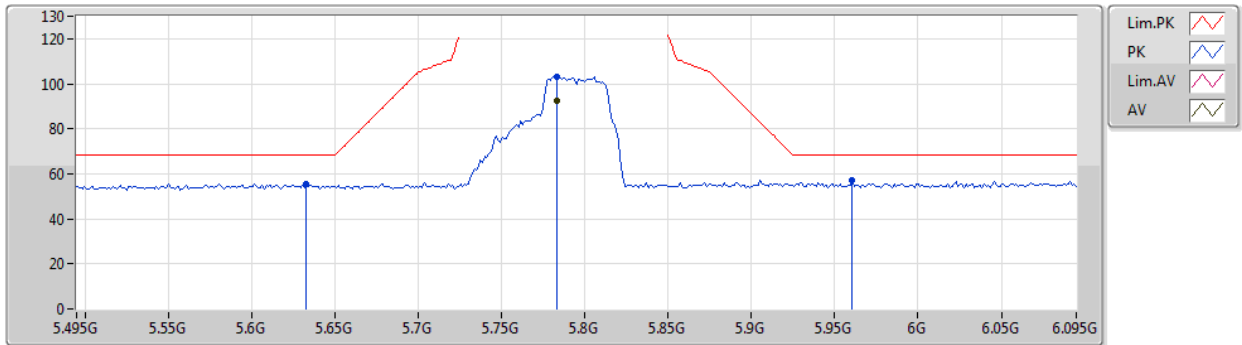


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.783G       | 99.78             | Inf               | -Inf           | 94.29         | 3           | Vertical  | 187            | 2.01          | -       | 32.30      | 7.66       | 34.47      |
| PK   | 5.6078G      | 55.67             | 68.20             | -12.53         | 50.50         | 3           | Vertical  | 187            | 2.01          | -       | 32.05      | 7.55       | 34.43      |
| PK   | 5.783G       | 111.15            | Inf               | -Inf           | 105.66        | 3           | Vertical  | 187            | 2.01          | -       | 32.30      | 7.66       | 34.47      |
| PK   | 5.9426G      | 55.93             | 68.20             | -12.27         | 50.16         | 3           | Vertical  | 187            | 2.01          | -       | 32.52      | 7.76       | 34.51      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5795MHz\_TX

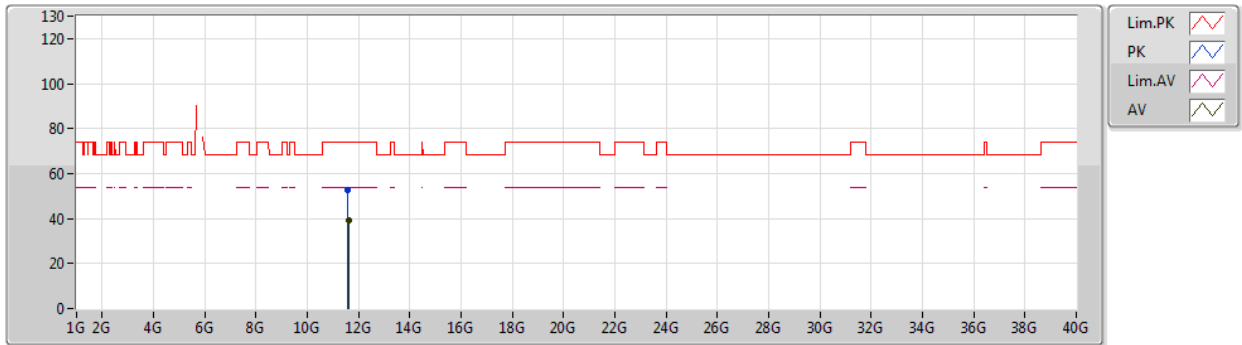


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 5.783G       | 92.35             | Inf               | -Inf           | 86.86         | 3           | Horizontal | 255            | 1.54          | -       | 32.30      | 7.66       | 34.47      |
| PK   | 5.633G       | 55.59             | 68.20             | -12.61         | 50.38         | 3           | Horizontal | 255            | 1.54          | -       | 32.09      | 7.56       | 34.44      |
| PK   | 5.783G       | 103.32            | Inf               | -Inf           | 97.83         | 3           | Horizontal | 255            | 1.54          | -       | 32.30      | 7.66       | 34.47      |
| PK   | 5.9606G      | 57.05             | 68.20             | -11.15         | 51.25         | 3           | Horizontal | 255            | 1.54          | -       | 32.54      | 7.77       | 34.51      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5795MHz\_TX

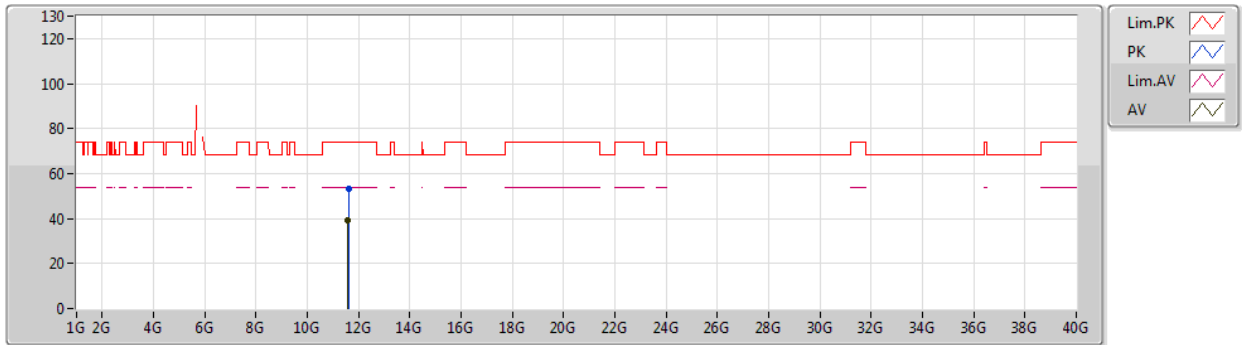


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.60326G    | 39.37             | 54.00             | -14.63         | 23.68         | 3           | Vertical  | 30             | 2.99          | -       | 39.48      | 10.74      | 34.53      |
| PK   | 11.58184G    | 52.44             | 74.00             | -21.56         | 36.74         | 3           | Vertical  | 30             | 2.99          | -       | 39.50      | 10.73      | 34.53      |

## 802.11n HT40\_Nss1,(MCS0)\_1TX

24/07/2019

### 5795MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| AV   | 11.5948G     | 39.33             | 54.00             | -14.67         | 23.64         | 3           | Horizontal | 150            | 1.99          | -       | 39.49      | 10.73      | 34.53      |
| PK   | 11.59972G    | 53.46             | 74.00             | -20.54         | 37.77         | 3           | Horizontal | 150            | 1.99          | -       | 39.48      | 10.74      | 34.53      |