

# FCC Test Report

**FCC ID** : 2AEUPBHASC051  
**Equipment** : Stick Up Cam Wired  
**Brand Name** : RING  
**Model Name** : Stick Up Cam Wired  
**Applicant** : Ring LLC  
1523 26th St, Santa Monica, CA 90404, USA  
**Manufacturer** : Chicony Electronics Co.,Ltd.  
No.69, Sec. 2, Guangfu Rd., Sanchong Dist.  
New Taipei City 241 Taiwan  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Jun. 01, 2018, and testing was started from Oct. 27, 2019 and completed on Nov. 06, 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 variant 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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TEL : 886-3-3273456  
FAX : 886-3-3270973  
Report Template No.: HE1-D1 Ver.2.4  
FCC ID: 2AEUPBHASC051

## Summary of Test Result

| Report Clause | Ref. Std. Clause | Test Items                        | Result (PASS/FAIL) | Remark |
|---------------|------------------|-----------------------------------|--------------------|--------|
| 1.1.2         | 15.203           | Antenna Requirement               | PASS               | -      |
| -             | 15.207           | AC Power-line Conducted Emissions | Not Required       | -      |
| 3.1           | 15.407(a)        | Emission Bandwidth                | PASS               | -      |
| 3.2           | 15.407(a)        | Maximum Conducted Output Power    | PASS               | -      |
| 3.3           | 15.407(a)        | Peak Power Spectral Density       | PASS               | -      |
| 3.4           | 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: Sam Tsai**

**Report Producer: Debby Hung**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|------------------|---------------------|----------------|
| 5250-5350             | a, n (HT20)      | 5260-5320           | 52-64 [4]      |
| 5470-5725             |                  | 5500-5700           | 100-140 [11]   |
| 5250-5350             | n (HT40)         | 5270-5310           | 54-62 [2]      |
| 5470-5725             |                  | 5510-5670           | 102-134 [5]    |

| Band          | Mode         | BWch (MHz) | Nant |
|---------------|--------------|------------|------|
| 5.25-5.35GHz  | 802.11a      | 20         | 1TX  |
| 5.47-5.725GHz | 802.11a      | 20         | 1TX  |
| 5.25-5.35GHz  | 802.11n HT20 | 20         | 1TX  |
| 5.47-5.725GHz | 802.11n HT20 | 20         | 1TX  |
| 5.25-5.35GHz  | 802.11n HT40 | 40         | 1TX  |
| 5.47-5.725GHz | 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. | Port | Brand | Model Name         | Antenna Type | Connector      |
|------|------|-------|--------------------|--------------|----------------|
| 1    | 1    | -     | Orion Wifi Antenna | PIFA Antenna | Fixed on board |

| 2.4G            |            | 5G              |            | BT              |            |
|-----------------|------------|-----------------|------------|-----------------|------------|
| Frequency (MHz) | Gain (dBi) | Frequency (MHz) | Gain (dBi) | Frequency (MHz) | Gain (dBi) |
| 2412            | 0.94       | 5180            | 2.68       | 2402            | 0.94       |
| 2417            | 0.94       | 5200            | 2.68       | 2440            | 0.69       |
| 2422            | 0.94       | 5240            | 2.77       | 2480            | 0.10       |
| 2427            | 0.69       | 5190            | 2.68       | -               | -          |
| 2432            | 0.69       | 5230            | 2.77       | -               | -          |
| 2437            | 0.69       | 5250            | 2.85       | -               | -          |
| 2442            | 0.69       | 5350            | 2.96       | -               | -          |
| 2447            | 0.69       | 5470            | 3.08       | -               | -          |
| 2452            | 0.69       | 5600            | 3.26       | -               | -          |
| 2457            | 0.69       | 5725            | 2.96       | -               | -          |
| 2462            | 0.69       | 5745            | 3.12       | -               | -          |
| -               | -          | 5785            | 2.65       | -               | -          |
| -               | -          | 5825            | 1.67       | -               | -          |
| -               | -          | 5755            | 3.12       | -               | -          |
| -               | -          | 5795            | 2.65       | -               | -          |

**For 2.4 GHz function:**

For IEEE 802.11b/g/n mode (1TX/1RX)

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

**For 5 GHz function:**

For IEEE 802.11a/n mode (1TX/1RX)

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

**For Bluetooth function:**

For Bluetooth mode (1TX/1RX)

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

**1.1.3 EUT Information**

| Operational Condition               |                                                                               |                                                          |  |
|-------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------|--|
| <b>EUT Power Type</b>               | From Battery / Transformer                                                    |                                                          |  |
| <b>EUT Function</b>                 | <input 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  |  |
| <b>TPC Function</b>                 | <input type="checkbox"/> With TPC Function                                    | <input checked="" type="checkbox"/> Without TPC Function |  |
| <b>Weather Band</b>                 | <input checked="" type="checkbox"/> With 5600~5650MHz                         | <input type="checkbox"/> Without 5600~5650MHz            |  |
| 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      | 0.937 | 0.28    | 1.432m   | 1k                 |
| 802.11n HT20 | 0.935 | 0.29    | 1.34m    | 1k                 |
| 802.11n HT40 | 0.909 | 0.41    | 946.844u | 3k                 |

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

### 1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR852814-02AN

Below is the table for the change of the product with respect to the original one.

| Modifications                  | Performance Checking |
|--------------------------------|----------------------|
| UNII-2A and UNII-2C were added | All                  |

## 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
- ◆ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

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

| Test Condition | Test Site No. | Test Engineer | Test Environment         | Test Date               |
|----------------|---------------|---------------|--------------------------|-------------------------|
| RF Conducted   | TH01-HY       | Barry Hsiao   | 25.1~25.4°C / 57~67%     | 28/Oct/2019~06/Nov/2019 |
| Radiated       | 03CH02-HY     | Lego Lin      | 22.2~25.6°C / 52.8~55.4% | 27/Oct/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 |
|----------------|---------------------|--------|
| TnomVnom       | Tnom                | 20°C   |
| -              | Vnom                | 120V   |

### 2.2 Test Channel Mode

|               |     |
|---------------|-----|
| Test Software | DOS |
|---------------|-----|

| Mode                         | PowerSetting |
|------------------------------|--------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -            |
| 5260MHz                      | 88           |
| 5300MHz                      | 88           |
| 5320MHz                      | 64           |
| 5500MHz                      | 76           |
| 5580MHz                      | 75           |
| 5700MHz                      | 61           |
| 802.11n HT20_Nss1,(MCS0)_1TX | -            |
| 5260MHz                      | 88           |
| 5300MHz                      | 88           |
| 5320MHz                      | 61           |
| 5500MHz                      | 74           |
| 5580MHz                      | 74           |
| 5700MHz                      | 63           |
| 802.11n HT40_Nss1,(MCS0)_1TX | -            |
| 5270MHz                      | 88           |
| 5310MHz                      | 52           |
| 5510MHz                      | 60           |
| 5550MHz                      | 88           |
| 5670MHz                      | 88           |

## 2.3 The Worst Case Measurement Configuration

| 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. |
| 1                                                   | USB mode                                                                                                                                                                                                                                            |
| <b>Operating Mode &gt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |
| <b>Orthogonal Planes of EUT</b>                     | <b>X Plane</b>                                                                                                                                                                                                                                      |
|                                                     |                                                                                                                                                                 |

## 2.4 Accessories and Support Equipment

| Accessories Information |                      |                                                                        |                   |                         |
|-------------------------|----------------------|------------------------------------------------------------------------|-------------------|-------------------------|
| Indoor Adapter          | <b>Brand Name</b>    | DEE VAN ENTERPRISE                                                     | <b>Model Name</b> | DSA-15CAB-05 050250     |
|                         | <b>Power Rating</b>  | I/P: 100-240V ~ 0.5A MAX 50-60Hz; O/P: 5V $\overline{\text{---}}$ 2.5A |                   |                         |
| USB Cable               | <b>Brand Name</b>    | -                                                                      | <b>Model Name</b> | -                       |
|                         | <b>Power Rating</b>  | 2.45 meter, non-shielded cable, w/o ferrite core                       |                   |                         |
| Outdoor Adapter         | <b>Brand Name</b>    | ring                                                                   | <b>Model Name</b> | DSA-15PFL-05 FUS 050250 |
|                         | <b>Power Rating</b>  | I/P: 100-240V ~ 0.5A MAX 50-60Hz; O/P: 5V $\overline{\text{---}}$ 2.5A |                   |                         |
|                         | <b>DC Power Cord</b> | 2.45 meter, non-shielded cable, w/o ferrite core                       |                   |                         |
|                         | <b>AC Power Cord</b> | 4.53 meter, non-shielded cable, w/o ferrite core                       |                   |                         |

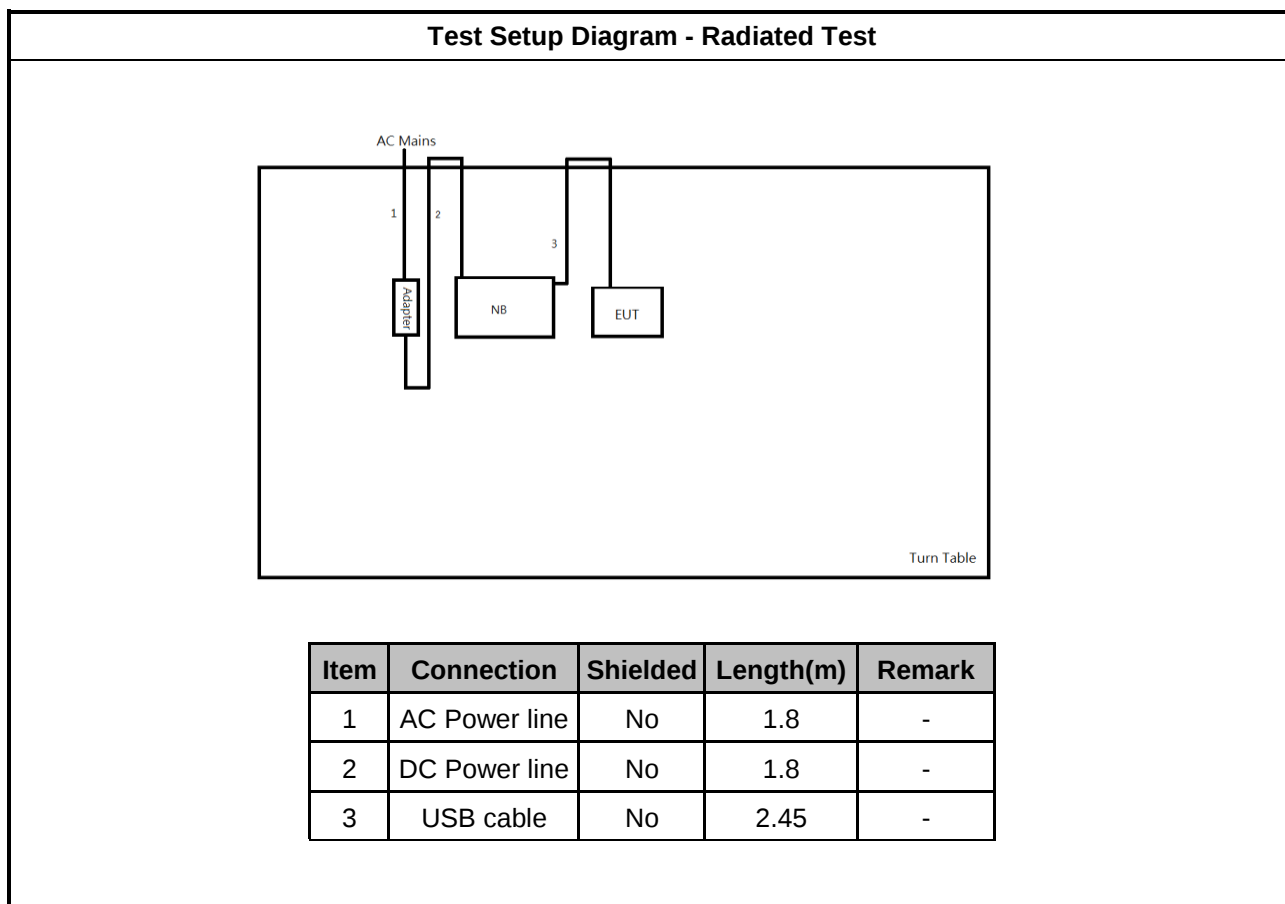
Reminder: Regarding to more detail and other information, please refer to user manual.

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

| Support Equipment - Radiated Emission |                |            |            |        |
|---------------------------------------|----------------|------------|------------|--------|
| No.                                   | Equipment      | Brand Name | Model Name | FCC ID |
| 1                                     | Adapter for NB | DELL       | LA90PM111  | DoC    |
| 2                                     | Notebook       | DELL       | E4300      | DoC    |

Note: Support equipment No.1 was provided by customer.

## 2.5 Test Setup Diagram



### 3 Transmitter Test Result

#### 3.1 Emission Bandwidth

##### 3.1.1 Emission Bandwidth Limit

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

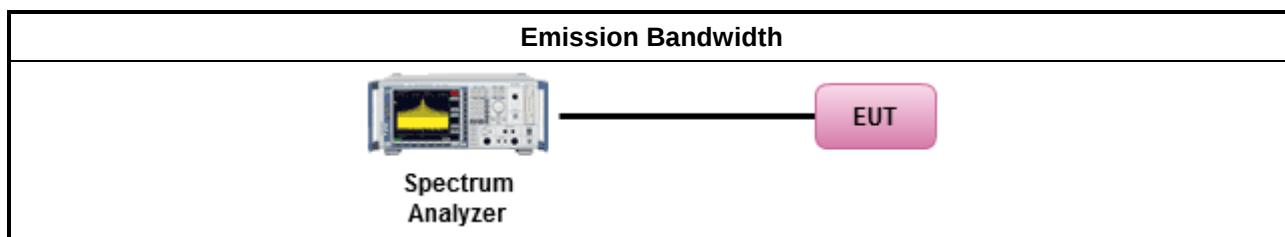
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 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.                  |

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

## 3.2 Maximum Conducted Output Power

### 3.2.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input 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 checked="" 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 checked="" 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 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. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

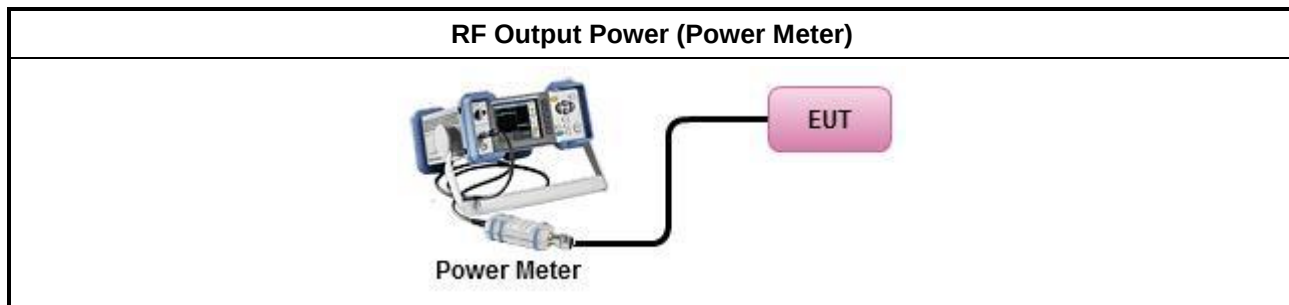
### 3.2.2 Measuring Instruments

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>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>                      |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

### 3.3 Peak Power Spectral Density

#### 3.3.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <input 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 checked="" 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 checked="" 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 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <p><b>PPSD</b> = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz</p> <p><b>G<sub>TX</sub></b> = the maximum transmitting antenna directional gain in dBi.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

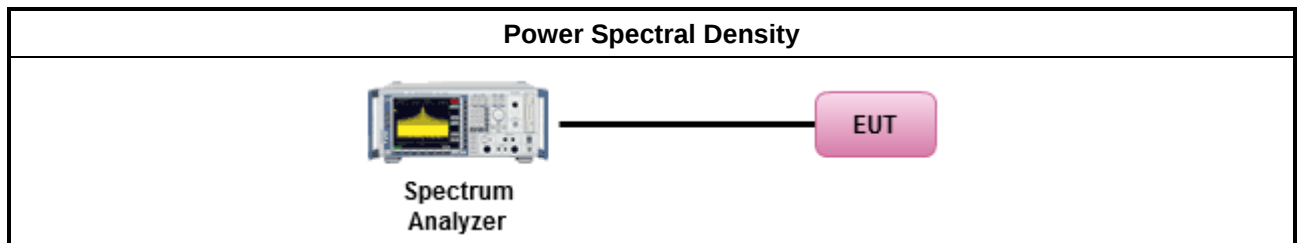
### 3.3.2 Measuring Instruments

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>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 display="block">PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math display="block">EIRP_{total} = PPSD_{total} + DG</math> </li> </ul>                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                    |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

### 3.4 Unwanted Emissions

#### 3.4.1 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). |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

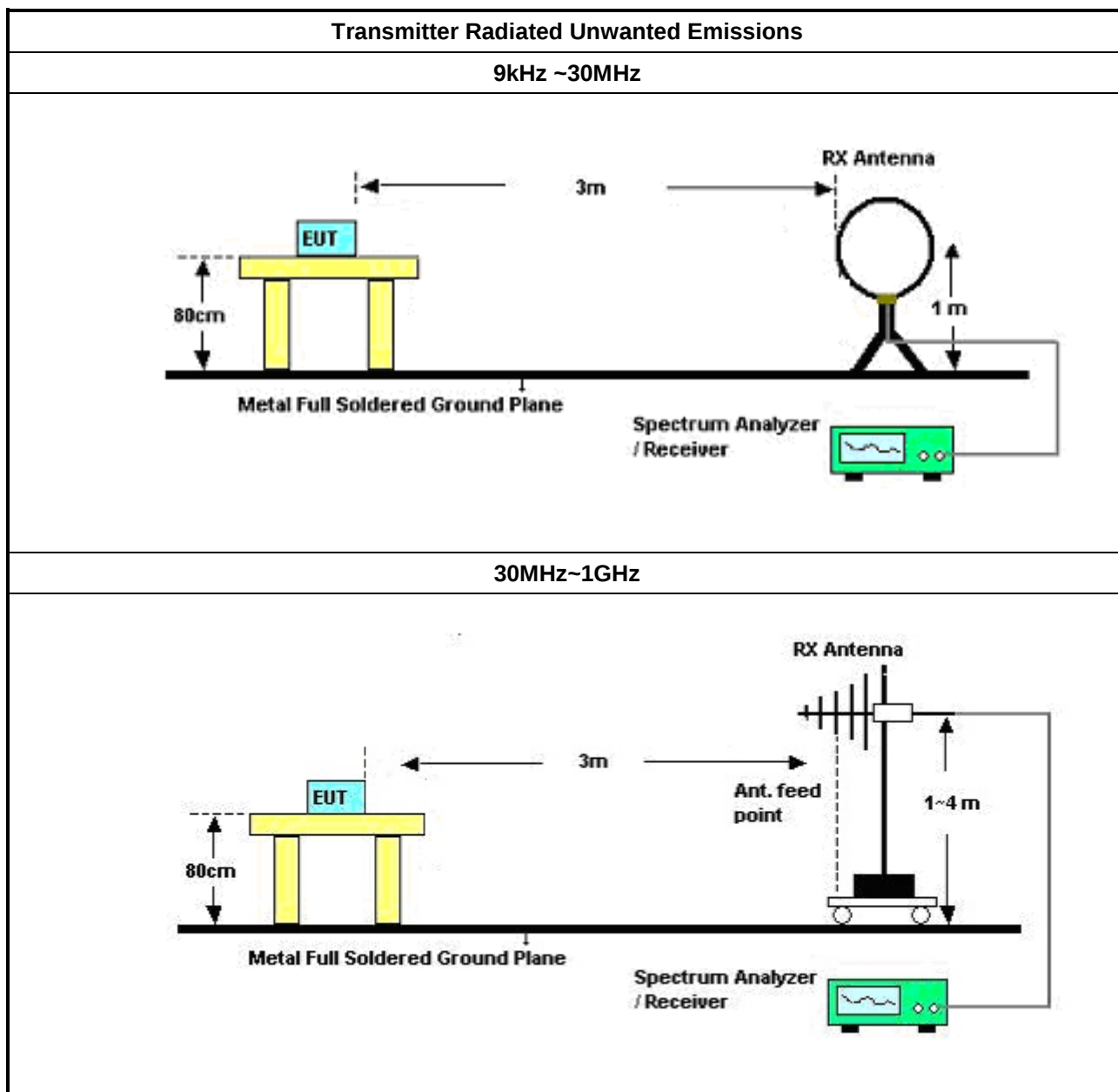
### 3.4.2 Measuring Instruments

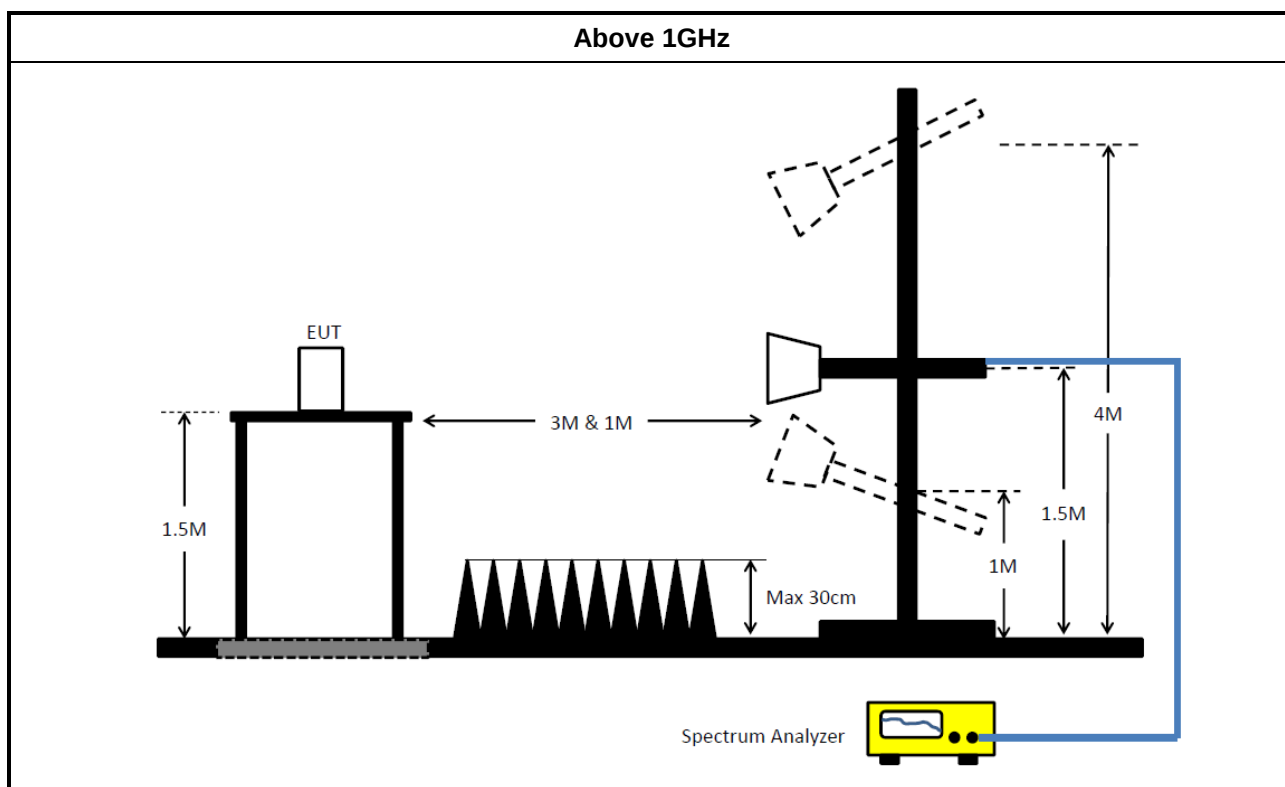
Refer a test equipment and calibration data table in this test report.

### 3.4.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                    |

### 3.4.4 Test Setup





### 3.4.5 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.

### 3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

### 3.5 Test Equipment and Calibration Data

#### 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          |
| Temp. and Humidity Chamber | Giant Force  | GTH-225-20-SP-SD | MAA1112-007   | -20 ~ 100℃     | 21/May/2019      | 20/May/2020          |
| SMB100A Signal Generator   | R&S          | SMB100A03        | 181147        | 100kHz~40GHz   | 12/Nov/2018      | 10/Nov/2020          |
| Power Sensor               | Anritsu      | MA2411B          | 0917017       | 300MHz ~ 40GHz | 19/Feb/2019      | 18/Feb/2020          |
| Power Meter                | Anritsu      | ML2495A          | 0949003       | 300MHz ~ 40GHz | 19/Feb/2019      | 18/Feb/2020          |
| Cable 0.2m                 | HUBER        | MY10710/4        | RF Cable - 01 | 30MHz~18G      | 11/Jan/2019      | 10/Jan/2020          |
| Cable 0.2m                 | HUBER        | MY10711/4        | RF Cable - 02 | 30MHz~18G      | 11/Jan/2019      | 10/Jan/2020          |
| Cable 0.5m                 | HUBER        | MY10714/4        | RF Cable - 05 | 30MHz~18G      | 11/Jan/2019      | 10/Jan/2020          |

#### Instrument for Radiated Test

| Instrument                       | Manufacturer | Model No.     | Serial No.           | Spec.          | Calibration Date | Calibration Due Date |
|----------------------------------|--------------|---------------|----------------------|----------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | TDK          | SAC-3M        | 03CH09-HY            | 30MHz ~ 1GHz   | 22/Apr/2019      | 21/Apr/2020          |
| 3m Semi Anechoic Chamber         | TDK          | SAC-3M        | 03CH09-HY            | 1GHz ~ 18GHz   | 13/Jun/2019      | 12/Jun/2020          |
| Microwave Preamplifier           | Agilent      | 8449B         | 3008A02096           | 1GHz ~ 26.5GHz | 04/Sep/2019      | 03/Sep/2020          |
| EXA Signal Analyzer              | KEYSIGHT     | N9010A        | MY54200885           | 10Hz ~ 44GHz   | 07/Aug/2019      | 06/Aug/2020          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK  | BBHA 9120 D   | BBHA9120 D 1534      | 1GHz~18GHz     | 22/May/2019      | 21/May/2020          |
| Broadband Horn Antenna           | SCHWARZBECK  | BBHA 9170     | BBHA 9170221         | 18GHz~40GHz    | 22/Mar/2019      | 21/Mar/2020          |
| Preamplifier                     | MITEQ        | TTA1840-35-HG | 1864481              | 18GHz ~ 40GHz  | 05/Aug/2019      | 04/Aug/2020          |
| LF-CABLE-2019 0218               | Jye Bao      | RG142         | CB028                | 9kHz ~ 1GHz    | 18/Feb/2019      | 17/Feb/2020          |
| RF Cable-high                    | HUBER+SUHNER | SUCOFLEX104   | SN 556626/4 + 556627 | 1GHz ~ 40GHz   | 13/Mar/2019      | 12/Mar/2020          |

**Summary**

| Mode                         | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.25-5.35GHz                 | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX     | 39.75M           | 17.961M         | 18M0D1D  | 38.19M           | 16.882M         |
| 802.11n HT20_Nss1,(MCS0)_1TX | 41.76M           | 19.01M          | 19M0D1D  | 38.31M           | 17.691M         |
| 802.11n HT40_Nss1,(MCS0)_1TX | 81.54M           | 36.642M         | 36M6D1D  | 63.3M            | 36.042M         |
| 5.47-5.725GHz                | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX     | 40.2M            | 19.16M          | 19M2D1D  | 22.95M           | 16.372M         |
| 802.11n HT20_Nss1,(MCS0)_1TX | 42.48M           | 18.651M         | 18M7D1D  | 24M              | 17.541M         |
| 802.11n HT40_Nss1,(MCS0)_1TX | 84.6M            | 37.481M         | 37M5D1D  | 55.74M           | 36.102M         |

**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**

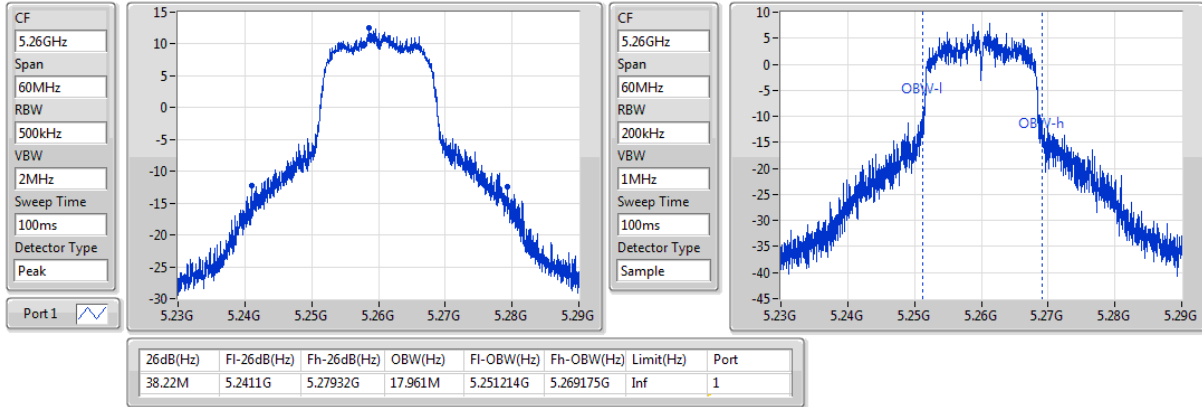
| Mode                         | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|------------------------------|--------|---------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_1TX     | -      | -             | -                   | -                  |
| 5260MHz                      | Pass   | Inf           | 38.22M              | 17.961M            |
| 5300MHz                      | Pass   | Inf           | 39.75M              | 17.691M            |
| 5320MHz                      | Pass   | Inf           | 38.19M              | 16.882M            |
| 5500MHz                      | Pass   | Inf           | 40.2M               | 19.16M             |
| 5580MHz                      | Pass   | Inf           | 40.14M              | 19.1M              |
| 5700MHz                      | Pass   | Inf           | 22.95M              | 16.372M            |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5260MHz                      | Pass   | Inf           | 41.76M              | 18.381M            |
| 5300MHz                      | Pass   | Inf           | 41.76M              | 19.01M             |
| 5320MHz                      | Pass   | Inf           | 38.31M              | 17.691M            |
| 5500MHz                      | Pass   | Inf           | 41.73M              | 18.261M            |
| 5580MHz                      | Pass   | Inf           | 42.48M              | 18.651M            |
| 5700MHz                      | Pass   | Inf           | 24M                 | 17.541M            |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5270MHz                      | Pass   | Inf           | 81.54M              | 36.642M            |
| 5310MHz                      | Pass   | Inf           | 63.3M               | 36.042M            |
| 5510MHz                      | Pass   | Inf           | 55.74M              | 36.102M            |
| 5550MHz                      | Pass   | Inf           | 78.9M               | 36.762M            |
| 5670MHz                      | Pass   | Inf           | 84.6M               | 37.481M            |

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

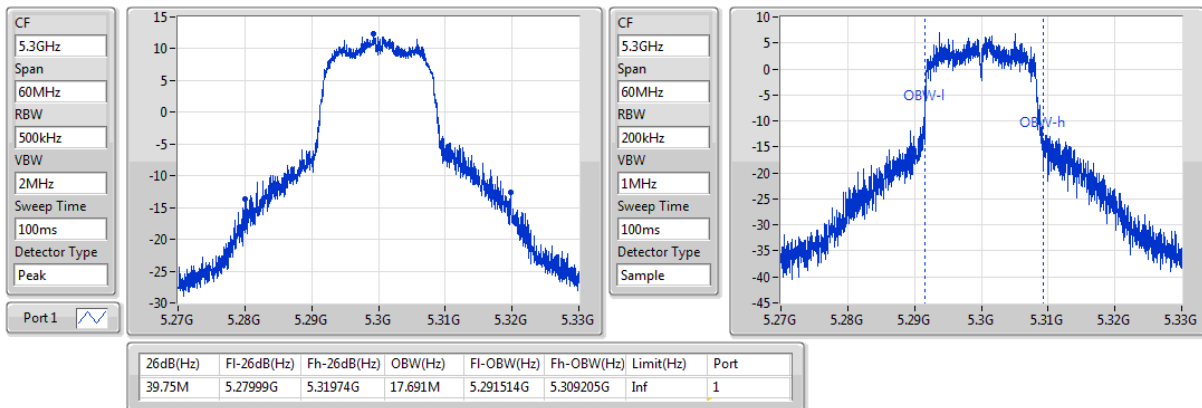
**Port X-OBW** = Port X 99% occupied bandwidth;

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5260MHz**

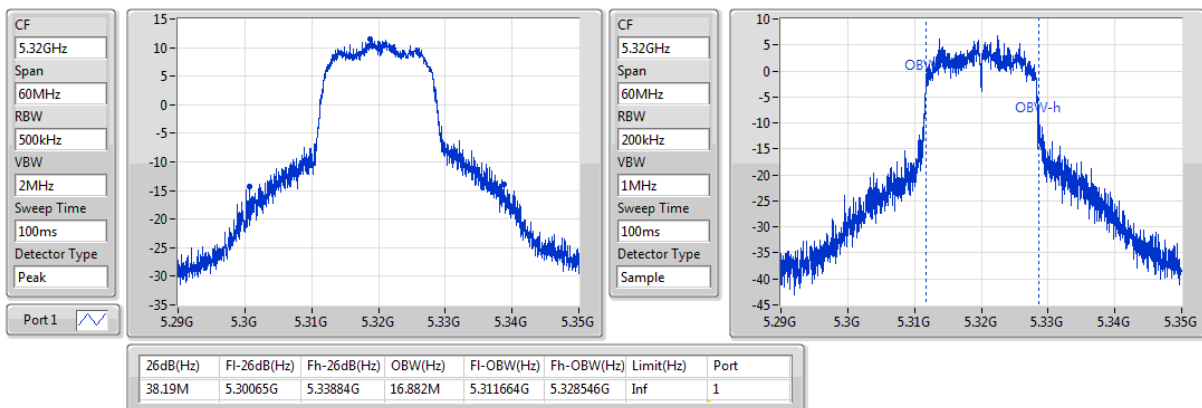
28/10/2019


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5300MHz**

28/10/2019

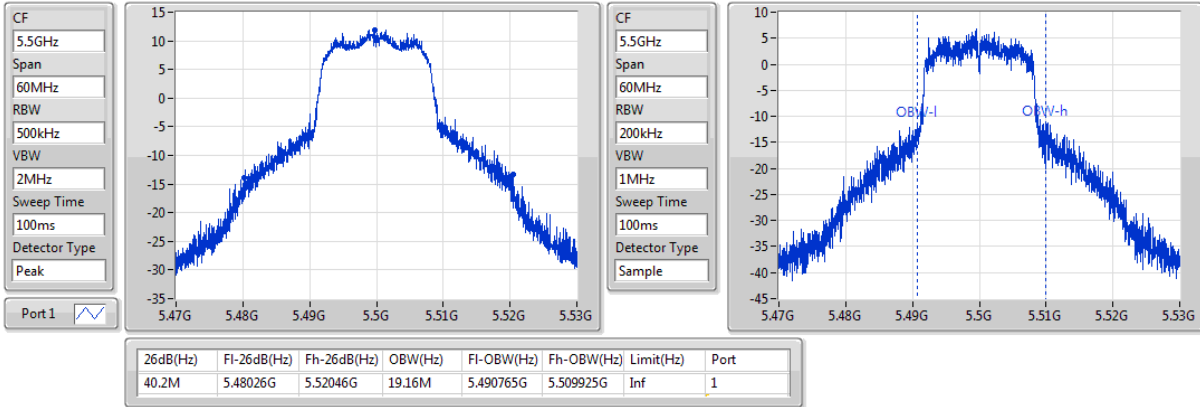

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5320MHz**

28/10/2019

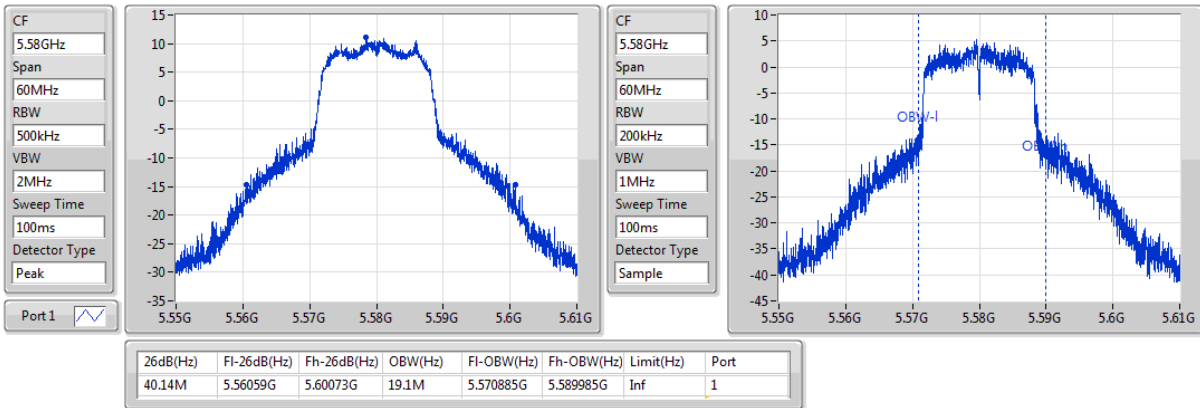


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5500MHz**

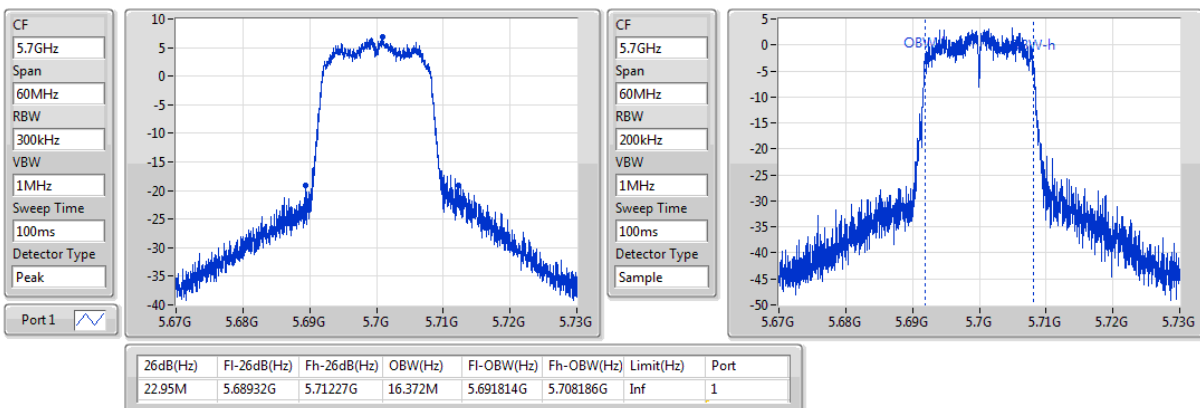
28/10/2019


**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5580MHz**

28/10/2019

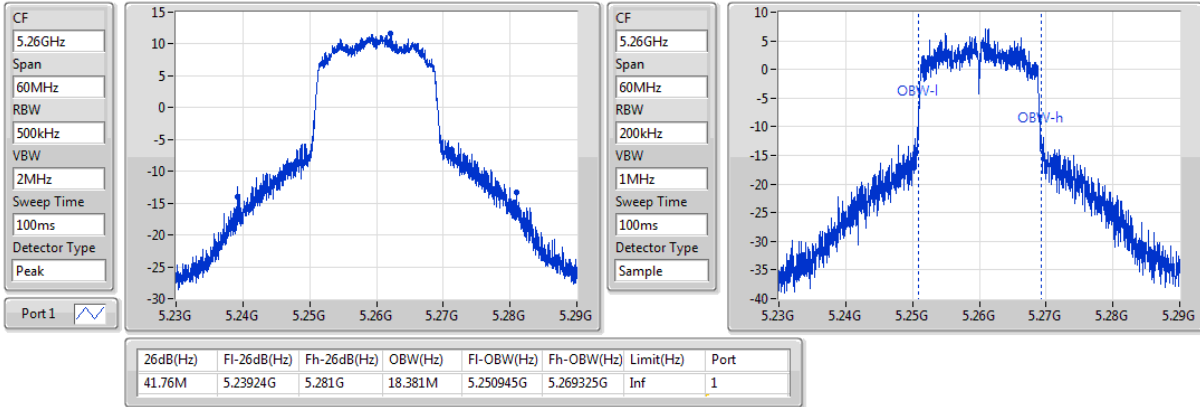

**802.11a\_Nss1,(6Mbps)\_1TX**
**EBW**
**5700MHz**

30/10/2019

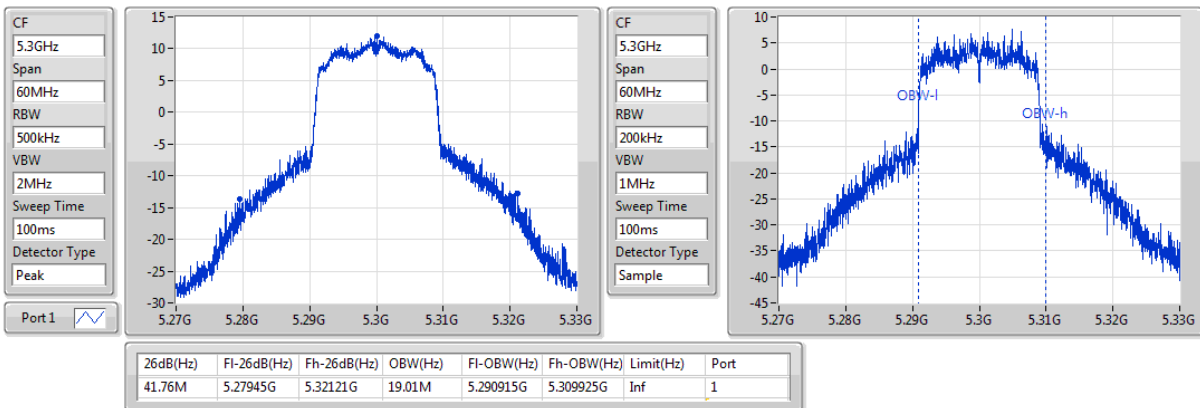


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5260MHz**

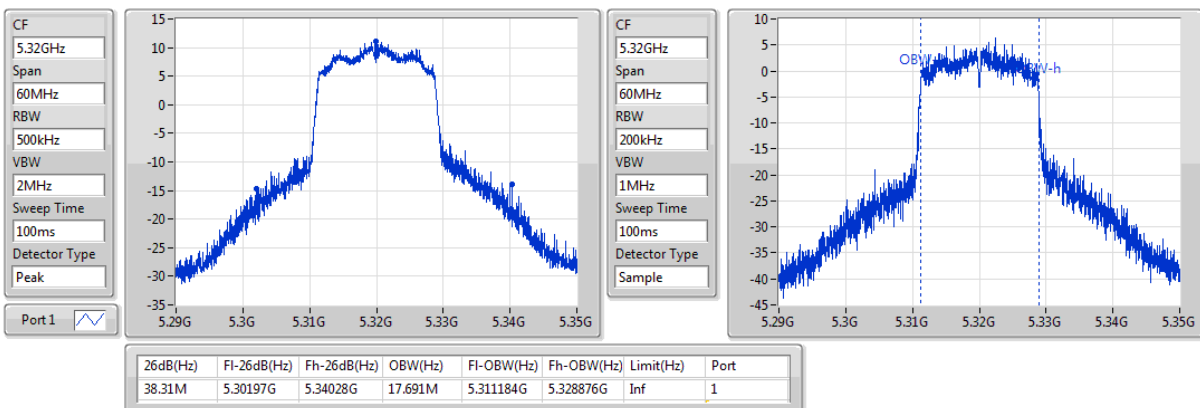
28/10/2019


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5300MHz**

28/10/2019

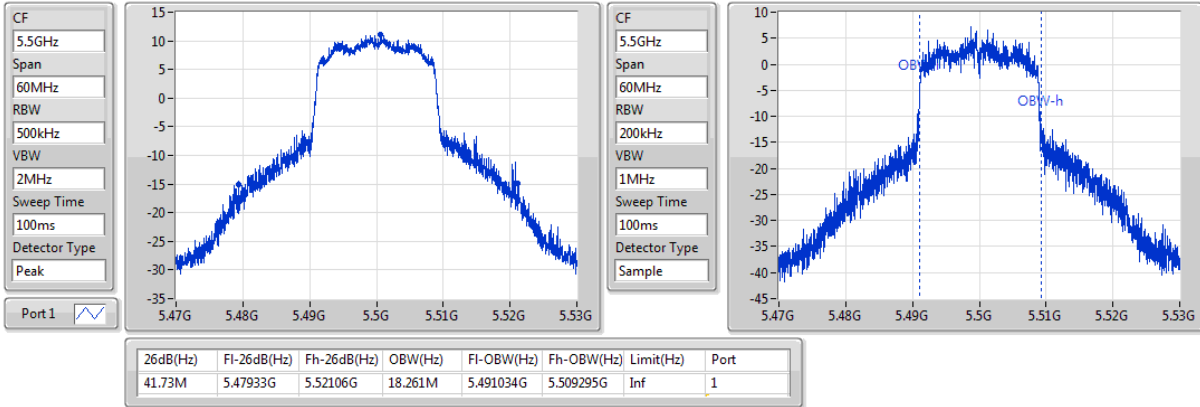

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5320MHz**

28/10/2019

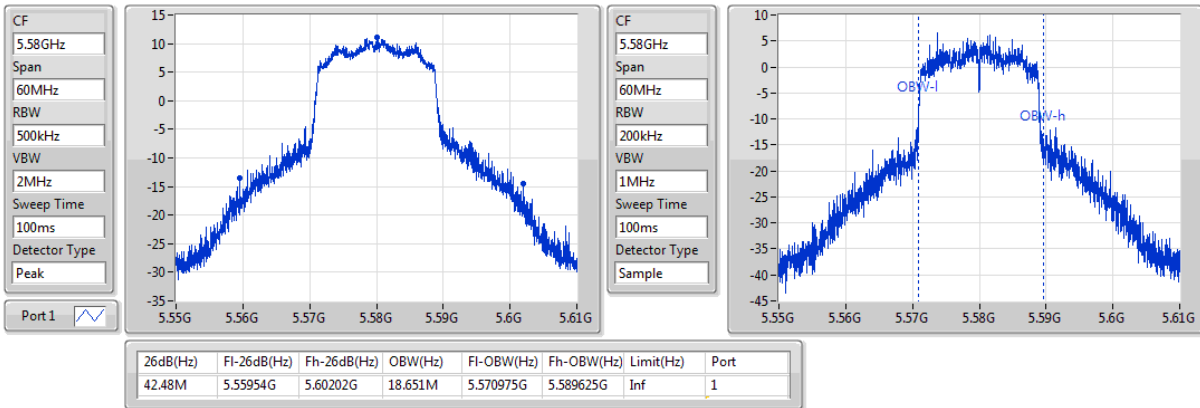


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5500MHz**

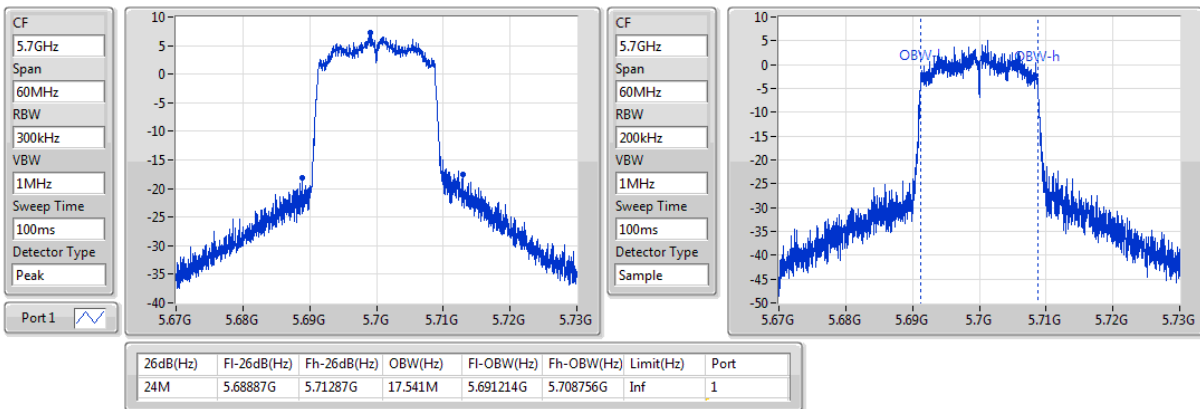
28/10/2019


**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5580MHz**

06/11/2019

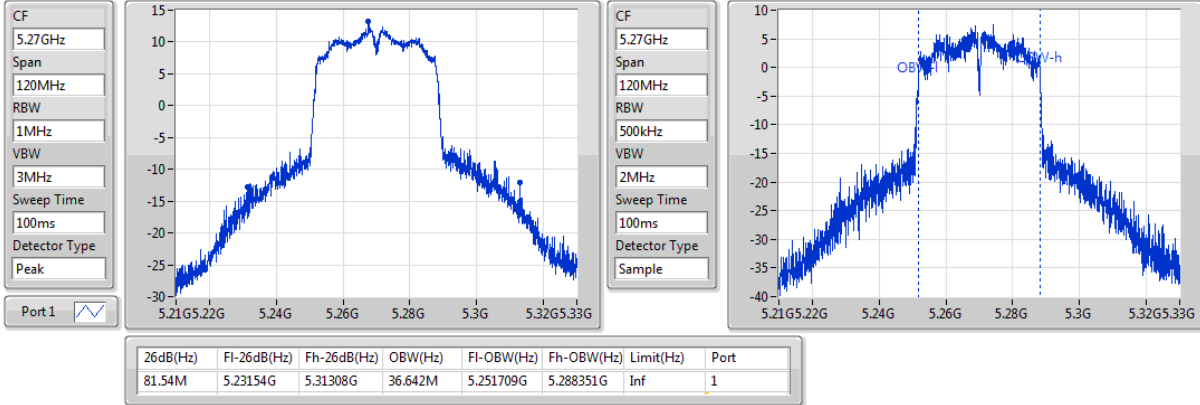

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5700MHz**

30/10/2019

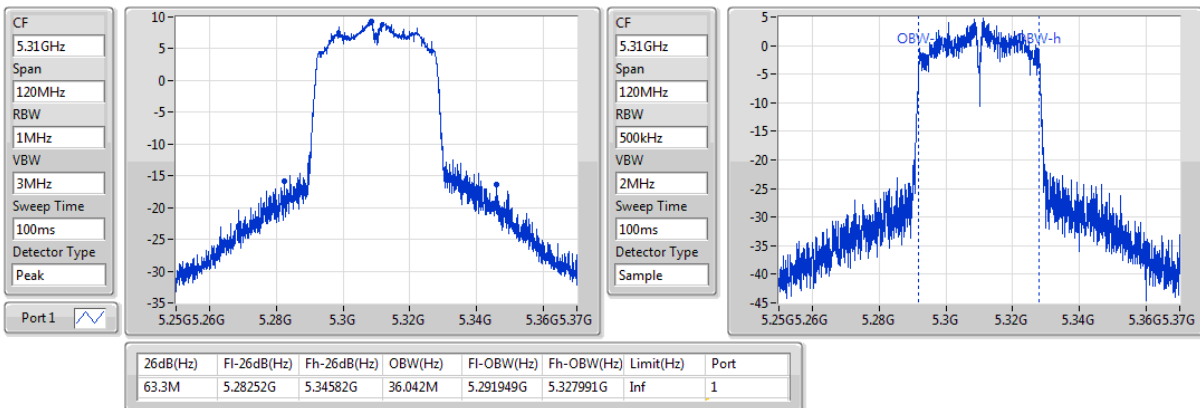


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5270MHz**

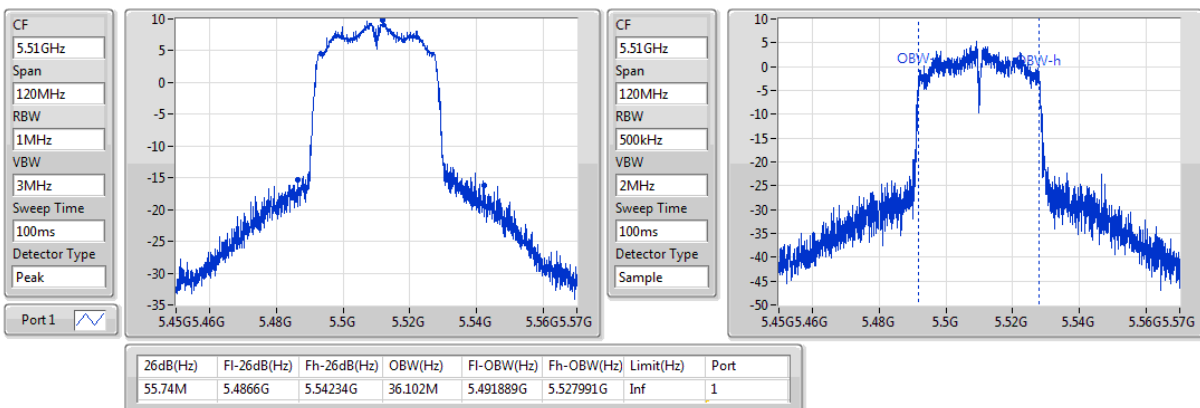
28/10/2019


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5310MHz**

06/11/2019

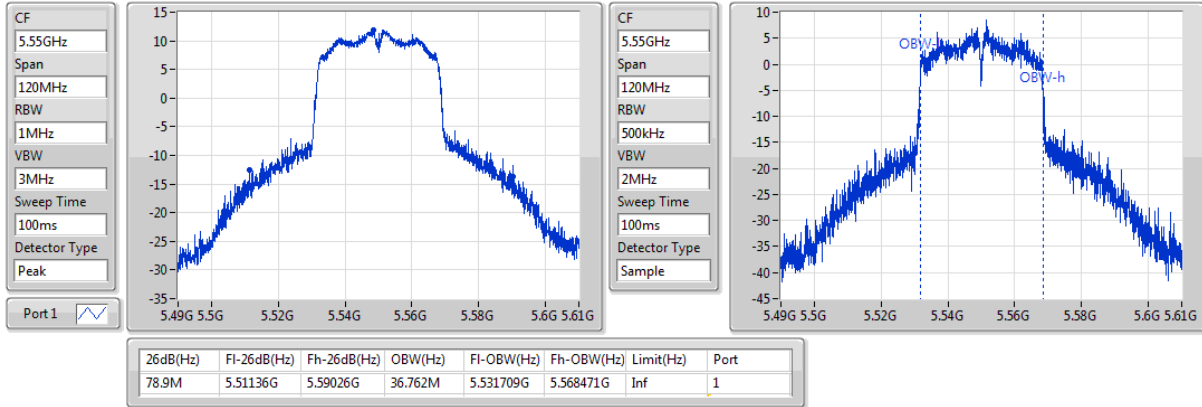

**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5510MHz**

28/10/2019

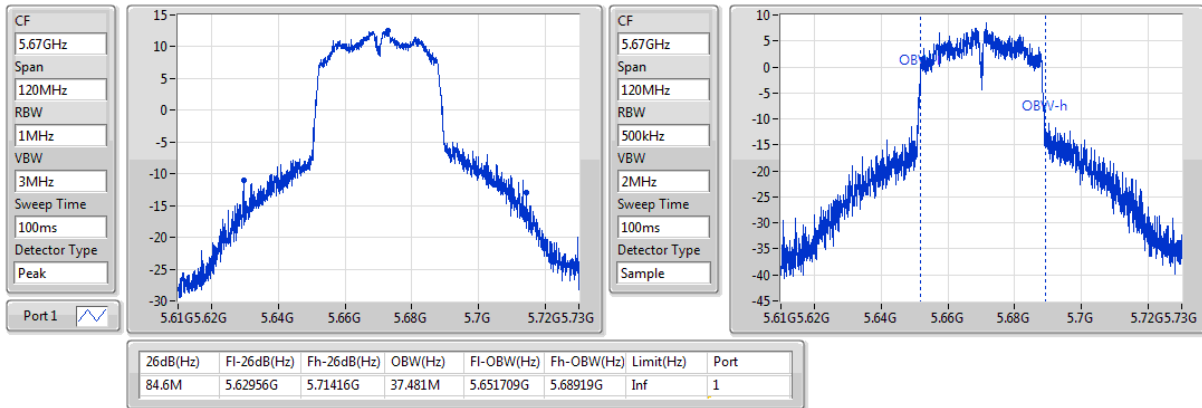


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5550MHz**

30/10/2019


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5670MHz**

30/10/2019



**Summary**

| Mode                         | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|------------------------------|----------------------|--------------------|---------------|-------------|
| 5.25-5.35GHz                 | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_1TX     | 17.51                | 0.05636            | 20.47         | 0.11143     |
| 802.11n HT20_Nss1,(MCS0)_1TX | 17.43                | 0.05534            | 20.39         | 0.10940     |
| 802.11n HT40_Nss1,(MCS0)_1TX | 16.98                | 0.04989            | 19.83         | 0.09616     |
| 5.47-5.725GHz                | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_1TX     | 17.31                | 0.05383            | 20.39         | 0.10940     |
| 802.11n HT20_Nss1,(MCS0)_1TX | 17.29                | 0.05358            | 20.55         | 0.11350     |
| 802.11n HT40_Nss1,(MCS0)_1TX | 16.99                | 0.05000            | 19.95         | 0.09886     |

**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     | -      | -           | -               | -                    | -                    | -             | -                   |
| 5260MHz                      | Pass   | 2.85        | 17.45           | 17.45                | 23.98                | 20.30         | 26.99               |
| 5300MHz                      | Pass   | 2.96        | 17.51           | 17.51                | 23.98                | 20.47         | 26.99               |
| 5320MHz                      | Pass   | 2.96        | 16.97           | 16.97                | 23.98                | 19.93         | 26.99               |
| 5500MHz                      | Pass   | 3.08        | 17.31           | 17.31                | 23.98                | 20.39         | 26.99               |
| 5580MHz                      | Pass   | 3.26        | 16.25           | 16.25                | 23.98                | 19.51         | 26.99               |
| 5700MHz                      | Pass   | 2.96        | 14.40           | 14.40                | 23.98                | 17.36         | 26.99               |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5260MHz                      | Pass   | 2.85        | 17.38           | 17.38                | 23.98                | 20.23         | 26.99               |
| 5300MHz                      | Pass   | 2.96        | 17.43           | 17.43                | 23.98                | 20.39         | 26.99               |
| 5320MHz                      | Pass   | 2.96        | 16.36           | 16.36                | 23.98                | 19.32         | 26.99               |
| 5500MHz                      | Pass   | 3.08        | 16.81           | 16.81                | 23.98                | 19.89         | 26.99               |
| 5580MHz                      | Pass   | 3.26        | 17.29           | 17.29                | 23.98                | 20.55         | 26.99               |
| 5700MHz                      | Pass   | 2.96        | 14.56           | 14.56                | 23.98                | 17.52         | 26.99               |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5270MHz                      | Pass   | 2.85        | 16.98           | 16.98                | 23.98                | 19.83         | 26.99               |
| 5310MHz                      | Pass   | 2.96        | 15.06           | 15.06                | 23.98                | 18.02         | 26.99               |
| 5510MHz                      | Pass   | 3.08        | 14.73           | 14.73                | 23.98                | 17.81         | 26.99               |
| 5550MHz                      | Pass   | 3.26        | 16.52           | 16.52                | 23.98                | 19.78         | 26.99               |
| 5670MHz                      | Pass   | 2.96        | 16.99           | 16.99                | 23.98                | 19.95         | 26.99               |

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

**Summary**

| Mode                         | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|------------------------------|-----------------|----------------------|
| 5.25-5.35GHz                 | -               | -                    |
| 802.11a_Nss1,(6Mbps)_1TX     | 5.64            | 8.60                 |
| 802.11n HT20_Nss1,(MCS0)_1TX | 5.35            | 8.29                 |
| 802.11n HT40_Nss1,(MCS0)_1TX | 2.26            | 5.11                 |
| 5.47-5.725GHz                | -               | -                    |
| 802.11a_Nss1,(6Mbps)_1TX     | 5.37            | 8.45                 |
| 802.11n HT20_Nss1,(MCS0)_1TX | 4.70            | 7.78                 |
| 802.11n HT40_Nss1,(MCS0)_1TX | 2.70            | 5.66                 |

**RBW** = 500kHz 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     | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5260MHz                      | Pass   | 2.85        | 5.56                | 5.56            | 11.00                 | 8.41                 | 17.00                      |
| 5300MHz                      | Pass   | 2.96        | 5.64                | 5.64            | 11.00                 | 8.60                 | 17.00                      |
| 5320MHz                      | Pass   | 2.96        | 5.07                | 5.07            | 11.00                 | 8.03                 | 17.00                      |
| 5500MHz                      | Pass   | 3.08        | 5.37                | 5.37            | 11.00                 | 8.45                 | 17.00                      |
| 5580MHz                      | Pass   | 3.26        | 4.34                | 4.34            | 11.00                 | 7.60                 | 17.00                      |
| 5700MHz                      | Pass   | 2.96        | 2.71                | 2.71            | 11.00                 | 5.67                 | 17.00                      |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5260MHz                      | Pass   | 2.85        | 5.35                | 5.35            | 11.00                 | 8.20                 | 17.00                      |
| 5300MHz                      | Pass   | 2.96        | 5.33                | 5.33            | 11.00                 | 8.29                 | 17.00                      |
| 5320MHz                      | Pass   | 2.96        | 4.32                | 4.32            | 11.00                 | 7.28                 | 17.00                      |
| 5500MHz                      | Pass   | 3.08        | 4.70                | 4.70            | 11.00                 | 7.78                 | 17.00                      |
| 5580MHz                      | Pass   | 3.26        | 3.89                | 3.89            | 11.00                 | 7.15                 | 17.00                      |
| 5700MHz                      | Pass   | 2.96        | 2.81                | 2.81            | 11.00                 | 5.77                 | 17.00                      |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5270MHz                      | Pass   | 2.85        | 2.26                | 2.26            | 11.00                 | 5.11                 | 17.00                      |
| 5310MHz                      | Pass   | 2.96        | -0.44               | -0.44           | 11.00                 | 2.52                 | 17.00                      |
| 5510MHz                      | Pass   | 3.08        | -0.34               | -0.34           | 11.00                 | 2.74                 | 17.00                      |
| 5550MHz                      | Pass   | 3.26        | 2.09                | 2.09            | 11.00                 | 5.35                 | 17.00                      |
| 5670MHz                      | Pass   | 2.96        | 2.70                | 2.70            | 11.00                 | 5.66                 | 17.00                      |

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

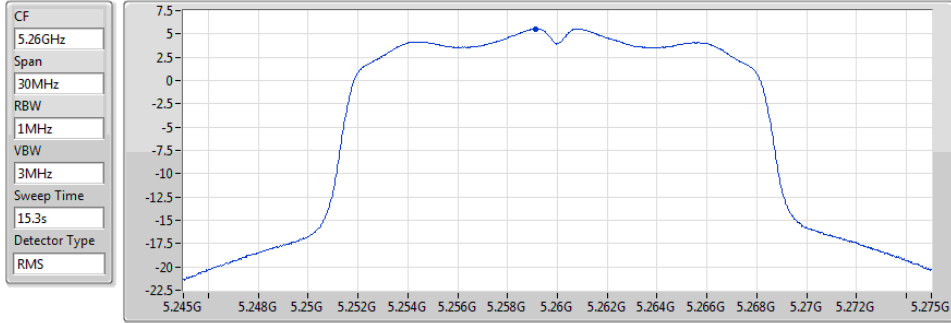
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

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

### PSD

5260MHz

28/10/2019



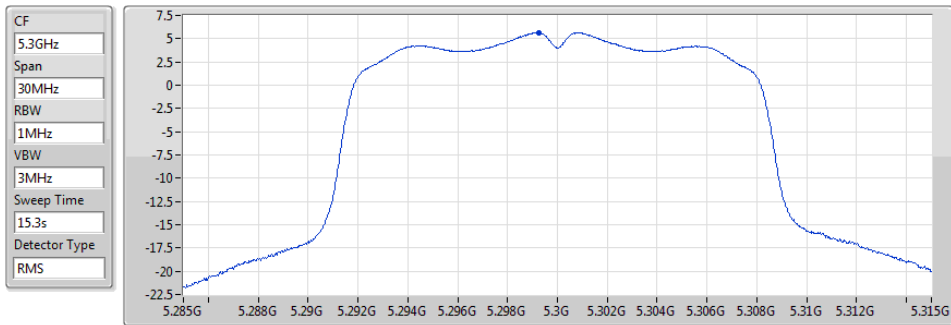
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 5.56     | 5.56     | 5.56     |

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

### PSD

5300MHz

28/10/2019



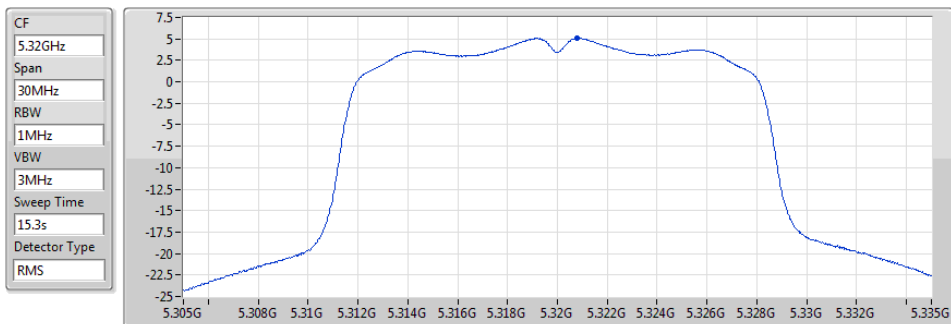
| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 5.64     | 5.64     | 5.64     |

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

### PSD

5320MHz

28/10/2019



| Sum      | PD       | Port1    |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 5.07     | 5.07     | 5.07     |

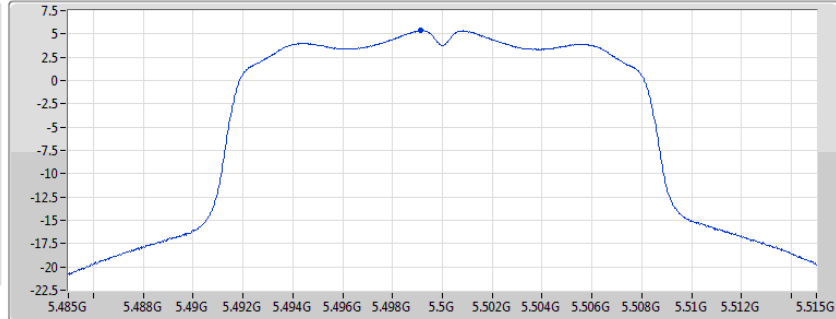
### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5500MHz

28/10/2019

CF  
5.5GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
15.3s  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 5.37     | 5.37     | 5.37     |

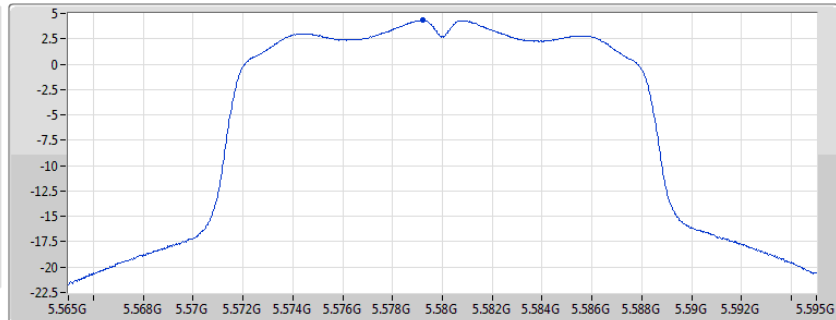
### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5580MHz

28/10/2019

CF  
5.58GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
15.3s  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.34     | 4.34     | 4.34     |

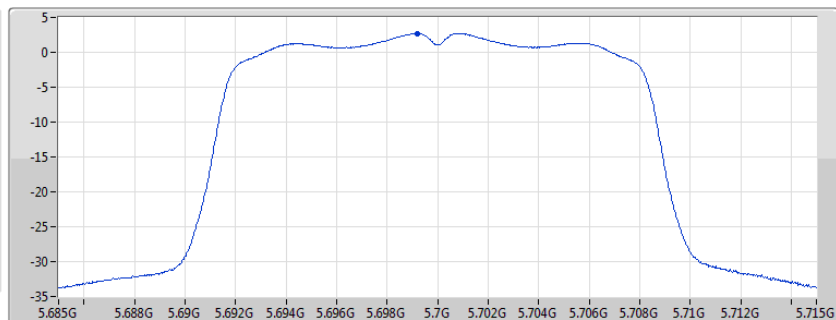
### 802.11a\_Nss1,(6Mbps)\_1TX

### PSD

5700MHz

30/10/2019

CF  
5.7GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
15.3s  
Detector Type  
RMS



Port 1

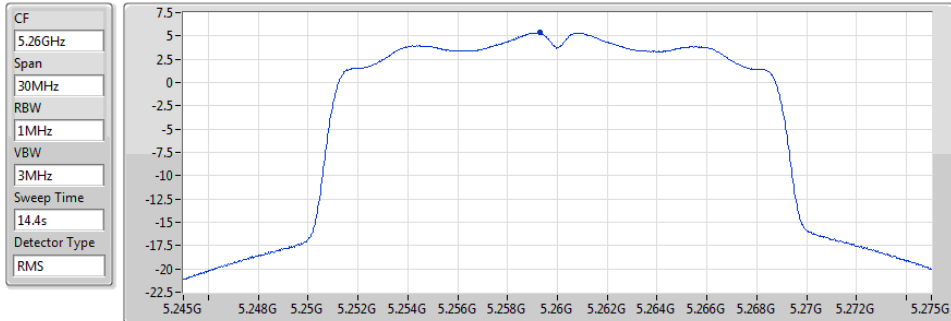
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.71     | 2.71     | 2.71     |

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

### PSD

5260MHz

28/10/2019



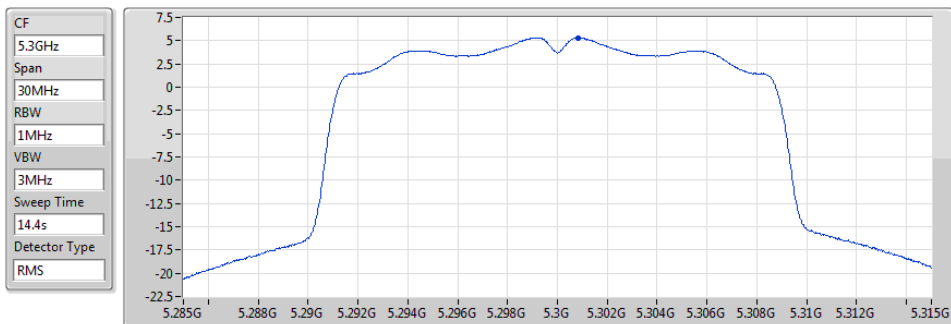
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.35      | 5.35      | 5.35      |

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

### PSD

5300MHz

28/10/2019



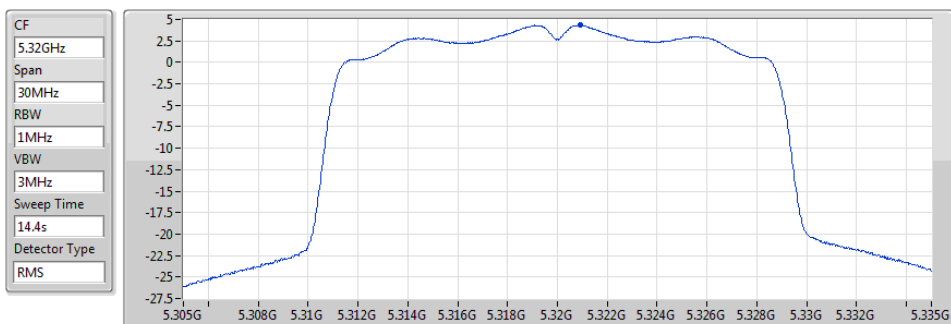
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.33      | 5.33      | 5.33      |

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

### PSD

5320MHz

28/10/2019



| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.32      | 4.32      | 4.32      |

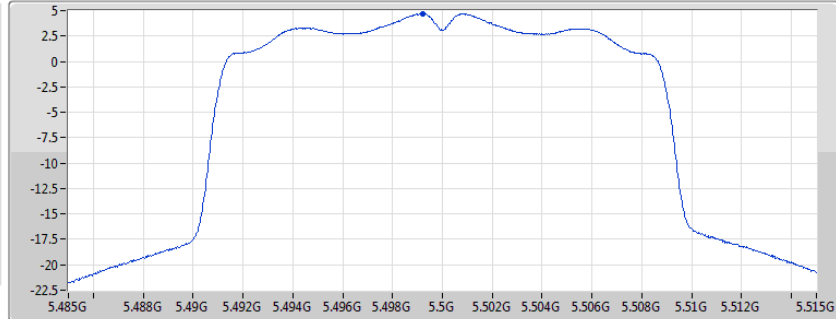
### 802.11n HT20\_Nss1,(MCS0)\_1TX

### PSD

5500MHz

28/10/2019

CF  
5.5GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
14.4s  
Detector Type  
RMS



Port 1

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

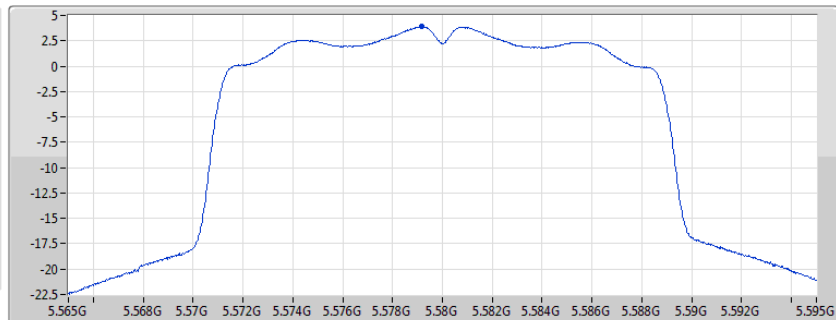
### 802.11n HT20\_Nss1,(MCS0)\_1TX

### PSD

5580MHz

28/10/2019

CF  
5.58GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
14.4s  
Detector Type  
RMS



Port 1

| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.89     | 3.89     | 3.89     |

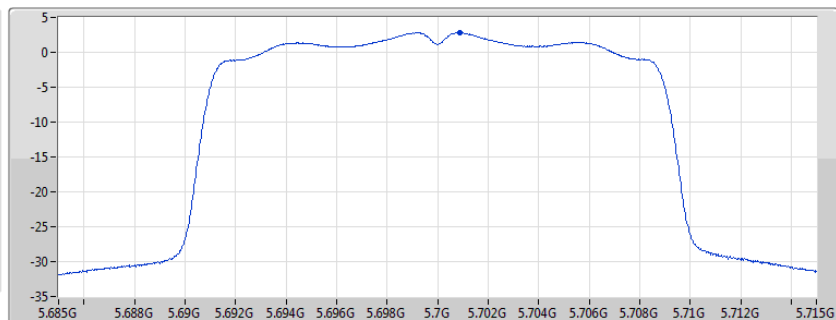
### 802.11n HT20\_Nss1,(MCS0)\_1TX

### PSD

5700MHz

30/10/2019

CF  
5.7GHz  
Span  
30MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
14.4s  
Detector Type  
RMS



Port 1

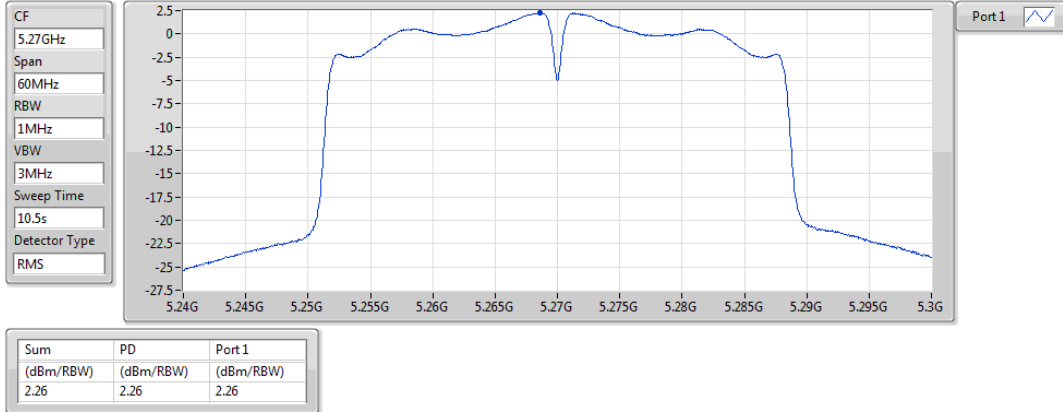
| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.81     | 2.81     | 2.81     |

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

### PSD

5270MHz

28/10/2019

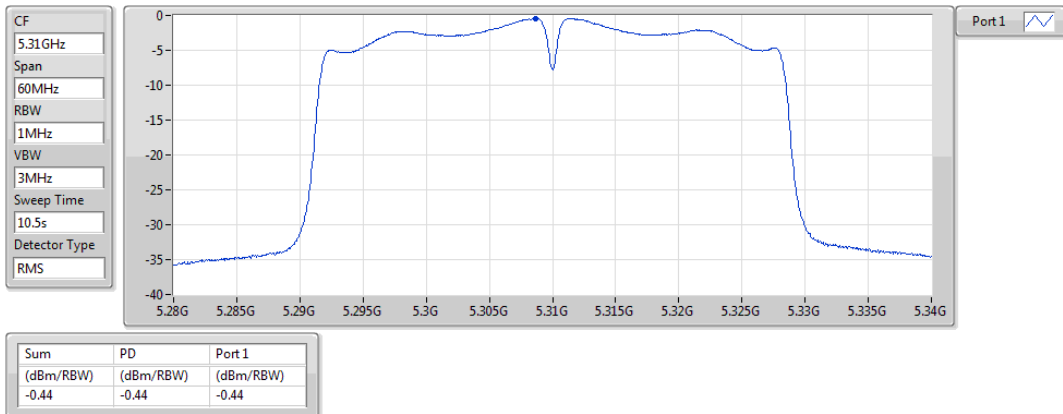


### 802.11n HT40\_Nss1,(MCS0)\_1TX

### PSD

5310MHz

06/11/2019

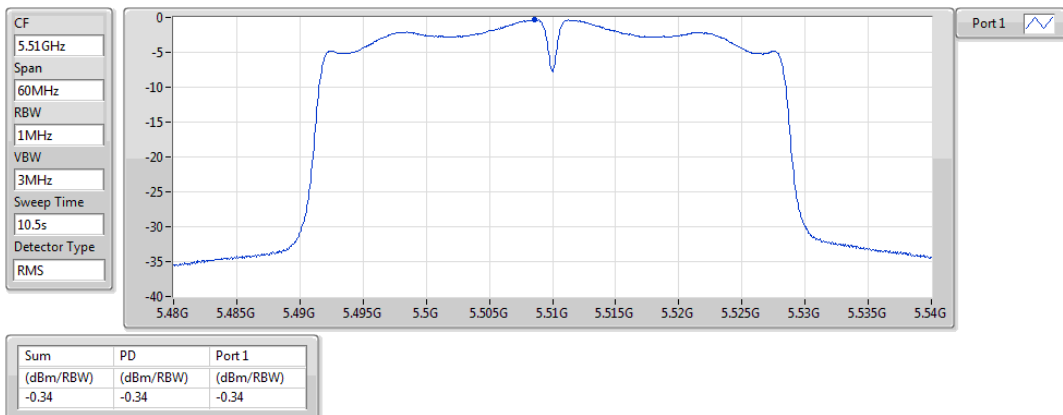


### 802.11n HT40\_Nss1,(MCS0)\_1TX

### PSD

5510MHz

28/10/2019

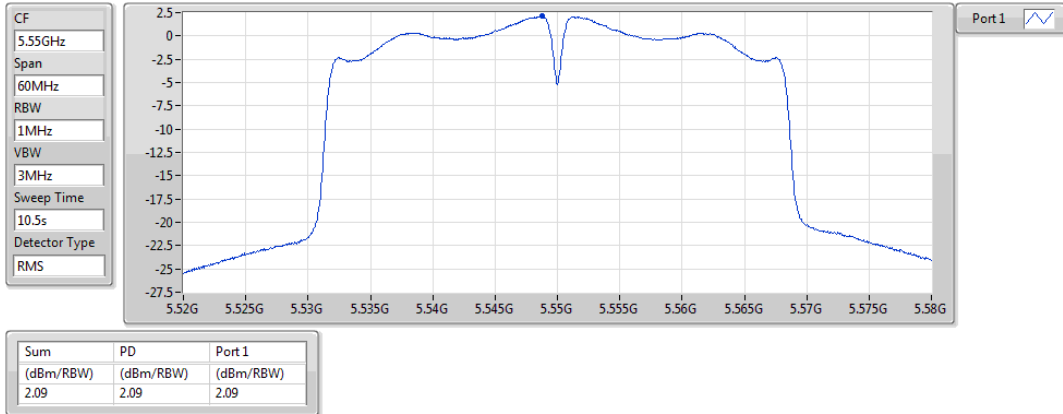


### 802.11n HT40\_Nss1,(MCS0)\_1TX

### PSD

5550MHz

30/10/2019

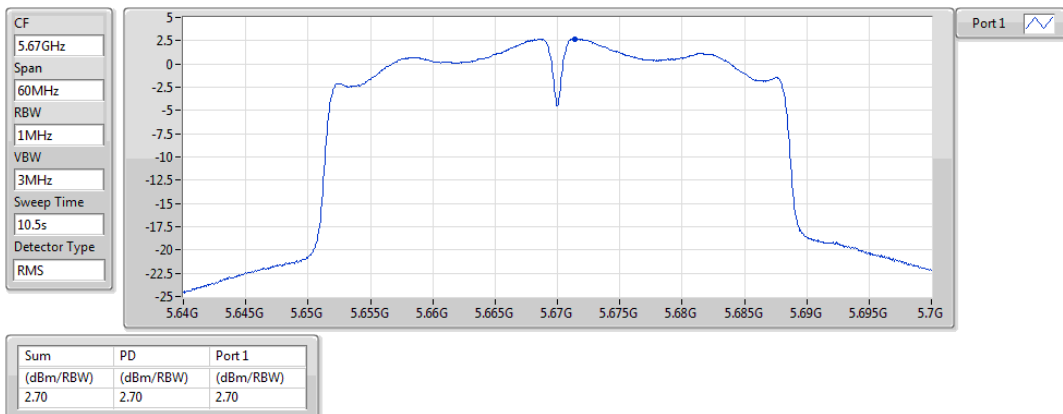


### 802.11n HT40\_Nss1,(MCS0)\_1TX

### PSD

5670MHz

30/10/2019



**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 |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5.25-5.35GHz                 | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_1TX     | Pass   | AV   | 5.35G        | 53.91             | 54.00             | -0.09          | 3           | Horizontal | 142            | 2.71          | -        |
| 802.11n HT20_Nss1,(MCS0)_1TX | Pass   | AV   | 5.35G        | 53.55             | 54.00             | -0.45          | 3           | Horizontal | 136            | 1.00          | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | Pass   | AV   | 5.35G        | 53.70             | 54.00             | -0.30          | 3           | Horizontal | 126            | 1.00          | -        |
| 5.47-5.725GHz                | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_1TX     | Pass   | PK   | 5.7256G      | 68.00             | 68.20             | -0.20          | 3           | Horizontal | 97             | 1.00          | -        |
| 802.11n HT20_Nss1,(MCS0)_1TX | Pass   | PK   | 5.7256G      | 67.85             | 68.20             | -0.35          | 3           | Horizontal | 142            | 1.00          | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | Pass   | PK   | 5.4684G      | 67.90             | 68.20             | -0.30          | 3           | Horizontal | 149            | 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 |
|--------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11a_Nss1,(6Mbps)_1TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5260MHz                  | Pass   | AV   | 5.1136G      | 48.45             | 54.00             | -5.55          | 3           | Vertical   | 10             | 1.00          | -        |
| 5260MHz                  | Pass   | AV   | 5.2606G      | 94.99             | Inf               | -Inf           | 3           | Vertical   | 10             | 1.00          | -        |
| 5260MHz                  | Pass   | AV   | 5.389G       | 47.32             | 54.00             | -6.68          | 3           | Vertical   | 10             | 1.00          | -        |
| 5260MHz                  | Pass   | PK   | 5.1184G      | 61.18             | 74.00             | -12.82         | 3           | Vertical   | 10             | 1.00          | -        |
| 5260MHz                  | Pass   | PK   | 5.2612G      | 104.10            | Inf               | -Inf           | 3           | Vertical   | 10             | 1.00          | -        |
| 5260MHz                  | Pass   | PK   | 5.359G       | 59.05             | 74.00             | -14.95         | 3           | Vertical   | 10             | 1.00          | -        |
| 5260MHz                  | Pass   | AV   | 5.1208G      | 48.95             | 54.00             | -5.05          | 3           | Horizontal | 133            | 1.00          | -        |
| 5260MHz                  | Pass   | AV   | 5.2606G      | 97.64             | Inf               | -Inf           | 3           | Horizontal | 133            | 1.00          | -        |
| 5260MHz                  | Pass   | AV   | 5.4094G      | 47.06             | 54.00             | -6.94          | 3           | Horizontal | 133            | 1.00          | -        |
| 5260MHz                  | Pass   | PK   | 5.134G       | 60.57             | 74.00             | -13.43         | 3           | Horizontal | 133            | 1.00          | -        |
| 5260MHz                  | Pass   | PK   | 5.2588G      | 106.93            | Inf               | -Inf           | 3           | Horizontal | 133            | 1.00          | -        |
| 5260MHz                  | Pass   | PK   | 5.3686G      | 59.44             | 74.00             | -14.56         | 3           | Horizontal | 133            | 1.00          | -        |
| 5260MHz                  | Pass   | PK   | 10.5179G     | 60.13             | 68.20             | -8.07          | 3           | Vertical   | 23             | 1.51          | -        |
| 5260MHz                  | Pass   | PK   | 10.5209G     | 60.80             | 68.20             | -7.40          | 3           | Horizontal | 202            | 1.22          | -        |
| 5300MHz                  | Pass   | AV   | 5.2992G      | 93.72             | Inf               | -Inf           | 3           | Vertical   | 37             | 1.01          | -        |
| 5300MHz                  | Pass   | AV   | 5.3508G      | 49.09             | 54.00             | -4.91          | 3           | Vertical   | 37             | 1.01          | -        |
| 5300MHz                  | Pass   | PK   | 5.3012G      | 102.75            | Inf               | -Inf           | 3           | Vertical   | 37             | 1.01          | -        |
| 5300MHz                  | Pass   | PK   | 5.3528G      | 63.07             | 74.00             | -10.93         | 3           | Vertical   | 37             | 1.01          | -        |
| 5300MHz                  | Pass   | AV   | 5.3008G      | 97.37             | Inf               | -Inf           | 3           | Horizontal | 133            | 1.00          | -        |
| 5300MHz                  | Pass   | AV   | 5.35G        | 50.35             | 54.00             | -3.65          | 3           | Horizontal | 133            | 1.00          | -        |
| 5300MHz                  | Pass   | PK   | 5.2984G      | 106.51            | Inf               | -Inf           | 3           | Horizontal | 133            | 1.00          | -        |
| 5300MHz                  | Pass   | PK   | 5.3636G      | 63.81             | 74.00             | -10.19         | 3           | Horizontal | 133            | 1.00          | -        |
| 5300MHz                  | Pass   | PK   | 10.59796G    | 59.84             | 68.20             | -8.36          | 3           | Vertical   | 197            | 2.16          | -        |
| 5300MHz                  | Pass   | PK   | 10.597G      | 60.45             | 68.20             | -7.75          | 3           | Horizontal | 46             | 1.00          | -        |
| 5320MHz                  | Pass   | AV   | 5.3206G      | 94.10             | Inf               | -Inf           | 3           | Vertical   | 81             | 1.02          | -        |
| 5320MHz                  | Pass   | AV   | 5.35G        | 52.80             | 54.00             | -1.20          | 3           | Vertical   | 81             | 1.02          | -        |
| 5320MHz                  | Pass   | PK   | 5.3208G      | 103.20            | Inf               | -Inf           | 3           | Vertical   | 81             | 1.02          | -        |
| 5320MHz                  | Pass   | PK   | 5.35G        | 68.73             | 74.00             | -5.27          | 3           | Vertical   | 81             | 1.02          | -        |
| 5320MHz                  | Pass   | AV   | 5.3188G      | 95.56             | Inf               | -Inf           | 3           | Horizontal | 142            | 2.71          | -        |
| 5320MHz                  | Pass   | AV   | 5.35G        | 53.91             | 54.00             | -0.09          | 3           | Horizontal | 142            | 2.71          | -        |
| 5320MHz                  | Pass   | PK   | 5.3188G      | 105.29            | Inf               | -Inf           | 3           | Horizontal | 142            | 2.71          | -        |
| 5320MHz                  | Pass   | PK   | 5.3506G      | 68.56             | 74.00             | -5.44          | 3           | Horizontal | 142            | 2.71          | -        |
| 5320MHz                  | Pass   | AV   | 10.64606G    | 47.11             | 54.00             | -6.89          | 3           | Vertical   | 0              | 1.40          | -        |
| 5320MHz                  | Pass   | PK   | 10.64528G    | 59.68             | 74.00             | -14.32         | 3           | Vertical   | 0              | 1.40          | -        |
| 5320MHz                  | Pass   | AV   | 10.62902G    | 47.03             | 54.00             | -6.97          | 3           | Horizontal | 192            | 1.50          | -        |
| 5320MHz                  | Pass   | PK   | 10.65056G    | 60.26             | 74.00             | -13.74         | 3           | Horizontal | 192            | 1.50          | -        |
| 5500MHz                  | Pass   | AV   | 5.4594G      | 50.35             | 54.00             | -3.65          | 3           | Vertical   | 82             | 1.00          | -        |
| 5500MHz                  | Pass   | AV   | 5.4992G      | 96.16             | Inf               | -Inf           | 3           | Vertical   | 82             | 1.00          | -        |
| 5500MHz                  | Pass   | PK   | 5.4692G      | 66.48             | 68.20             | -1.72          | 3           | Vertical   | 82             | 1.00          | -        |
| 5500MHz                  | Pass   | PK   | 5.5012G      | 105.99            | Inf               | -Inf           | 3           | Vertical   | 82             | 1.00          | -        |
| 5500MHz                  | Pass   | AV   | 5.4598G      | 50.70             | 54.00             | -3.30          | 3           | Horizontal | 141            | 1.00          | -        |
| 5500MHz                  | Pass   | AV   | 5.5006G      | 95.55             | Inf               | -Inf           | 3           | Horizontal | 141            | 1.00          | -        |
| 5500MHz                  | Pass   | PK   | 5.4682G      | 66.62             | 68.20             | -1.58          | 3           | Horizontal | 141            | 1.00          | -        |
| 5500MHz                  | Pass   | PK   | 5.4988G      | 104.97            | Inf               | -Inf           | 3           | Horizontal | 141            | 1.00          | -        |
| 5500MHz                  | Pass   | AV   | 10.99922G    | 48.37             | 54.00             | -5.63          | 3           | Vertical   | 0              | 2.40          | -        |
| 5500MHz                  | Pass   | PK   | 11.00786G    | 61.30             | 74.00             | -12.70         | 3           | Vertical   | 0              | 2.40          | -        |
| 5500MHz                  | Pass   | AV   | 11.00894G    | 48.18             | 54.00             | -5.82          | 3           | Horizontal | 14             | 1.40          | -        |

Remark :

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$$\text{Level (dBuV/m)} = \text{Raw(Read Level)} + \text{AF(Antenna Factor)} + \text{CL(Cable Loss)} - \text{PA( Preamp Factor)}$$

852814-05

| 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 |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5500MHz                      | Pass   | PK   | 11.00966G    | 61.45             | 74.00             | -12.55         | 3           | Horizontal | 14             | 1.40          | -        |
| 5580MHz                      | Pass   | AV   | 5.4396G      | 47.25             | 54.00             | -6.75          | 3           | Vertical   | 42             | 1.01          | -        |
| 5580MHz                      | Pass   | AV   | 5.5806G      | 96.25             | Inf               | -Inf           | 3           | Vertical   | 42             | 1.01          | -        |
| 5580MHz                      | Pass   | PK   | 5.4678G      | 59.34             | 68.20             | -8.86          | 3           | Vertical   | 42             | 1.01          | -        |
| 5580MHz                      | Pass   | PK   | 5.5788G      | 105.22            | Inf               | -Inf           | 3           | Vertical   | 42             | 1.01          | -        |
| 5580MHz                      | Pass   | PK   | 5.7264G      | 60.11             | 68.20             | -8.09          | 3           | Vertical   | 42             | 1.01          | -        |
| 5580MHz                      | Pass   | AV   | 5.46G        | 47.41             | 54.00             | -6.59          | 3           | Horizontal | 146            | 1.01          | -        |
| 5580MHz                      | Pass   | AV   | 5.5806G      | 97.36             | Inf               | -Inf           | 3           | Horizontal | 146            | 1.01          | -        |
| 5580MHz                      | Pass   | PK   | 5.4642G      | 59.54             | 68.20             | -8.66          | 3           | Horizontal | 146            | 1.01          | -        |
| 5580MHz                      | Pass   | PK   | 5.5806G      | 106.33            | Inf               | -Inf           | 3           | Horizontal | 146            | 1.01          | -        |
| 5580MHz                      | Pass   | PK   | 5.727G       | 59.42             | 68.20             | -8.78          | 3           | Horizontal | 146            | 1.01          | -        |
| 5580MHz                      | Pass   | AV   | 11.15682G    | 48.37             | 54.00             | -5.63          | 3           | Vertical   | 23             | 1.89          | -        |
| 5580MHz                      | Pass   | PK   | 11.16768G    | 61.05             | 74.00             | -12.95         | 3           | Vertical   | 23             | 1.89          | -        |
| 5580MHz                      | Pass   | AV   | 11.16066G    | 48.51             | 54.00             | -5.49          | 3           | Horizontal | 48             | 2.16          | -        |
| 5580MHz                      | Pass   | PK   | 11.17056G    | 61.33             | 74.00             | -12.67         | 3           | Horizontal | 48             | 2.16          | -        |
| 5700MHz                      | Pass   | AV   | 5.7008G      | 92.13             | Inf               | -Inf           | 3           | Vertical   | 28             | 1.00          | -        |
| 5700MHz                      | Pass   | PK   | 5.7012G      | 101.22            | Inf               | -Inf           | 3           | Vertical   | 28             | 1.00          | -        |
| 5700MHz                      | Pass   | PK   | 5.7252G      | 65.67             | 68.20             | -2.53          | 3           | Vertical   | 28             | 1.00          | -        |
| 5700MHz                      | Pass   | AV   | 5.7004G      | 94.54             | Inf               | -Inf           | 3           | Horizontal | 97             | 1.00          | -        |
| 5700MHz                      | Pass   | PK   | 5.7008G      | 103.53            | Inf               | -Inf           | 3           | Horizontal | 97             | 1.00          | -        |
| 5700MHz                      | Pass   | PK   | 5.7256G      | 68.00             | 68.20             | -0.20          | 3           | Horizontal | 97             | 1.00          | -        |
| 5700MHz                      | Pass   | AV   | 11.40564G    | 47.35             | 54.00             | -6.65          | 3           | Vertical   | 360            | 2.28          | -        |
| 5700MHz                      | Pass   | PK   | 11.3937G     | 60.19             | 74.00             | -13.81         | 3           | Vertical   | 360            | 2.28          | -        |
| 5700MHz                      | Pass   | AV   | 11.40474G    | 47.24             | 54.00             | -6.76          | 3           | Horizontal | 161            | 1.80          | -        |
| 5700MHz                      | Pass   | PK   | 11.41422G    | 60.22             | 74.00             | -13.78         | 3           | Horizontal | 161            | 1.80          | -        |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5260MHz                      | Pass   | AV   | 5.1118G      | 48.41             | 54.00             | -5.59          | 3           | Vertical   | 12             | 1.00          | -        |
| 5260MHz                      | Pass   | AV   | 5.2606G      | 93.86             | Inf               | -Inf           | 3           | Vertical   | 12             | 1.00          | -        |
| 5260MHz                      | Pass   | AV   | 5.407G       | 47.31             | 54.00             | -6.69          | 3           | Vertical   | 12             | 1.00          | -        |
| 5260MHz                      | Pass   | PK   | 5.122G       | 60.63             | 74.00             | -13.37         | 3           | Vertical   | 12             | 1.00          | -        |
| 5260MHz                      | Pass   | PK   | 5.2612G      | 102.46            | Inf               | -Inf           | 3           | Vertical   | 12             | 1.00          | -        |
| 5260MHz                      | Pass   | PK   | 5.4076G      | 59.15             | 74.00             | -14.85         | 3           | Vertical   | 12             | 1.00          | -        |
| 5260MHz                      | Pass   | AV   | 5.1214G      | 48.46             | 54.00             | -5.54          | 3           | Horizontal | 136            | 1.00          | -        |
| 5260MHz                      | Pass   | AV   | 5.2612G      | 96.78             | Inf               | -Inf           | 3           | Horizontal | 136            | 1.00          | -        |
| 5260MHz                      | Pass   | AV   | 5.41G        | 47.15             | 54.00             | -6.85          | 3           | Horizontal | 136            | 1.00          | -        |
| 5260MHz                      | Pass   | PK   | 5.1154G      | 61.51             | 74.00             | -12.49         | 3           | Horizontal | 136            | 1.00          | -        |
| 5260MHz                      | Pass   | PK   | 5.2606G      | 105.66            | Inf               | -Inf           | 3           | Horizontal | 136            | 1.00          | -        |
| 5260MHz                      | Pass   | PK   | 5.3794G      | 59.99             | 74.00             | -14.01         | 3           | Horizontal | 136            | 1.00          | -        |
| 5260MHz                      | Pass   | PK   | 10.51352G    | 60.64             | 68.20             | -7.56          | 3           | Vertical   | 350            | 1.01          | -        |
| 5260MHz                      | Pass   | PK   | 10.52606G    | 61.06             | 68.20             | -7.14          | 3           | Horizontal | 349            | 2.48          | -        |
| 5300MHz                      | Pass   | AV   | 5.3012G      | 93.27             | Inf               | -Inf           | 3           | Vertical   | 12             | 1.02          | -        |
| 5300MHz                      | Pass   | AV   | 5.352G       | 48.90             | 54.00             | -5.10          | 3           | Vertical   | 12             | 1.02          | -        |
| 5300MHz                      | Pass   | PK   | 5.3012G      | 102.92            | Inf               | -Inf           | 3           | Vertical   | 12             | 1.02          | -        |
| 5300MHz                      | Pass   | PK   | 5.358G       | 60.88             | 74.00             | -13.12         | 3           | Vertical   | 12             | 1.02          | -        |
| 5300MHz                      | Pass   | AV   | 5.3004G      | 96.84             | Inf               | -Inf           | 3           | Horizontal | 144            | 1.00          | -        |
| 5300MHz                      | Pass   | AV   | 5.35G        | 50.83             | 54.00             | -3.17          | 3           | Horizontal | 144            | 1.00          | -        |
| 5300MHz                      | Pass   | PK   | 5.2988G      | 106.28            | Inf               | -Inf           | 3           | Horizontal | 144            | 1.00          | -        |
| 5300MHz                      | Pass   | PK   | 5.35G        | 63.54             | 74.00             | -10.46         | 3           | Horizontal | 144            | 1.00          | -        |
| 5300MHz                      | Pass   | AV   | 10.60186G    | 47.94             | 54.00             | -6.06          | 3           | Vertical   | 349            | 1.17          | -        |

Remark :

Page No. : D3 of D74

$$\text{Level (dBuV/m)} = \text{Raw(Read Level)} + \text{AF(Antenna Factor)} + \text{CL(Cable Loss)} - \text{PA( Preamp Factor)}$$

852814-05

| 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 |
|---------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5300MHz | Pass   | PK   | 10.60852G    | 60.35             | 74.00             | -13.65         | 3           | Vertical   | 349            | 1.17          | -        |
| 5300MHz | Pass   | AV   | 10.60318G    | 47.38             | 54.00             | -6.62          | 3           | Horizontal | 351            | 1.03          | -        |
| 5300MHz | Pass   | PK   | 10.61302G    | 58.26             | 74.00             | -15.74         | 3           | Horizontal | 351            | 1.03          | -        |
| 5320MHz | Pass   | AV   | 5.3206G      | 93.08             | Inf               | -Inf           | 3           | Vertical   | 80             | 1.00          | -        |
| 5320MHz | Pass   | AV   | 5.3504G      | 52.38             | 54.00             | -1.62          | 3           | Vertical   | 80             | 1.00          | -        |
| 5320MHz | Pass   | PK   | 5.3184G      | 101.97            | Inf               | -Inf           | 3           | Vertical   | 80             | 1.00          | -        |
| 5320MHz | Pass   | PK   | 5.3508G      | 66.33             | 74.00             | -7.67          | 3           | Vertical   | 80             | 1.00          | -        |
| 5320MHz | Pass   | AV   | 5.321G       | 95.74             | Inf               | -Inf           | 3           | Horizontal | 136            | 1.00          | -        |
| 5320MHz | Pass   | AV   | 5.35G        | 53.55             | 54.00             | -0.45          | 3           | Horizontal | 136            | 1.00          | -        |
| 5320MHz | Pass   | PK   | 5.3184G      | 104.96            | Inf               | -Inf           | 3           | Horizontal | 136            | 1.00          | -        |
| 5320MHz | Pass   | PK   | 5.3518G      | 68.90             | 74.00             | -5.10          | 3           | Horizontal | 136            | 1.00          | -        |
| 5320MHz | Pass   | AV   | 10.63688G    | 47.32             | 54.00             | -6.68          | 3           | Vertical   | 350            | 1.14          | -        |
| 5320MHz | Pass   | PK   | 10.64102G    | 60.39             | 74.00             | -13.61         | 3           | Vertical   | 350            | 1.14          | -        |
| 5320MHz | Pass   | AV   | 10.63796G    | 47.17             | 54.00             | -6.83          | 3           | Horizontal | 344            | 1.00          | -        |
| 5320MHz | Pass   | PK   | 10.63742G    | 59.44             | 74.00             | -14.56         | 3           | Horizontal | 344            | 1.00          | -        |
| 5500MHz | Pass   | AV   | 5.46G        | 51.76             | 54.00             | -2.24          | 3           | Vertical   | 73             | 1.00          | -        |
| 5500MHz | Pass   | AV   | 5.499G       | 96.28             | Inf               | -Inf           | 3           | Vertical   | 73             | 1.00          | -        |
| 5500MHz | Pass   | PK   | 5.468G       | 67.55             | 68.20             | -0.65          | 3           | Vertical   | 73             | 1.00          | -        |
| 5500MHz | Pass   | PK   | 5.4986G      | 105.78            | Inf               | -Inf           | 3           | Vertical   | 73             | 1.00          | -        |
| 5500MHz | Pass   | AV   | 5.4596G      | 52.15             | 54.00             | -1.85          | 3           | Horizontal | 146            | 1.00          | -        |
| 5500MHz | Pass   | AV   | 5.5004G      | 96.01             | Inf               | -Inf           | 3           | Horizontal | 146            | 1.00          | -        |
| 5500MHz | Pass   | PK   | 5.4674G      | 67.43             | 68.20             | -0.77          | 3           | Horizontal | 146            | 1.00          | -        |
| 5500MHz | Pass   | PK   | 5.4986G      | 105.09            | Inf               | -Inf           | 3           | Horizontal | 146            | 1.00          | -        |
| 5500MHz | Pass   | AV   | 11.01296G    | 48.12             | 54.00             | -5.88          | 3           | Vertical   | 54             | 2.07          | -        |
| 5500MHz | Pass   | PK   | 10.98506G    | 60.89             | 74.00             | -13.11         | 3           | Vertical   | 54             | 2.07          | -        |
| 5500MHz | Pass   | AV   | 11.00576G    | 48.43             | 54.00             | -5.57          | 3           | Horizontal | 91             | 2.40          | -        |
| 5500MHz | Pass   | PK   | 10.99658G    | 60.88             | 74.00             | -13.12         | 3           | Horizontal | 91             | 2.40          | -        |
| 5580MHz | Pass   | AV   | 5.457G       | 47.39             | 54.00             | -6.61          | 3           | Vertical   | 45             | 1.00          | -        |
| 5580MHz | Pass   | AV   | 5.5812G      | 96.18             | Inf               | -Inf           | 3           | Vertical   | 45             | 1.00          | -        |
| 5580MHz | Pass   | PK   | 5.466G       | 59.09             | 68.20             | -9.11          | 3           | Vertical   | 45             | 1.00          | -        |
| 5580MHz | Pass   | PK   | 5.5806G      | 105.64            | Inf               | -Inf           | 3           | Vertical   | 45             | 1.00          | -        |
| 5580MHz | Pass   | PK   | 5.727G       | 59.80             | 68.20             | -8.40          | 3           | Vertical   | 45             | 1.00          | -        |
| 5580MHz | Pass   | AV   | 5.4504G      | 47.36             | 54.00             | -6.64          | 3           | Horizontal | 25             | 2.62          | -        |
| 5580MHz | Pass   | AV   | 5.5806G      | 91.95             | Inf               | -Inf           | 3           | Horizontal | 25             | 2.62          | -        |
| 5580MHz | Pass   | PK   | 5.4636G      | 59.34             | 68.20             | -8.86          | 3           | Horizontal | 25             | 2.62          | -        |
| 5580MHz | Pass   | PK   | 5.5812G      | 100.95            | Inf               | -Inf           | 3           | Horizontal | 25             | 2.62          | -        |
| 5580MHz | Pass   | PK   | 5.7288G      | 59.64             | 68.20             | -8.56          | 3           | Horizontal | 25             | 2.62          | -        |
| 5580MHz | Pass   | AV   | 11.15358G    | 48.01             | 54.00             | -5.99          | 3           | Vertical   | 359            | 1.45          | -        |
| 5580MHz | Pass   | PK   | 11.15664G    | 60.51             | 74.00             | -13.49         | 3           | Vertical   | 359            | 1.45          | -        |
| 5580MHz | Pass   | AV   | 11.15982G    | 48.55             | 54.00             | -5.45          | 3           | Horizontal | 45             | 1.96          | -        |
| 5580MHz | Pass   | PK   | 11.16384G    | 61.37             | 74.00             | -12.63         | 3           | Horizontal | 45             | 1.96          | -        |
| 5700MHz | Pass   | AV   | 5.6992G      | 92.38             | Inf               | -Inf           | 3           | Vertical   | 37             | 1.00          | -        |
| 5700MHz | Pass   | PK   | 5.6976G      | 102.37            | Inf               | -Inf           | 3           | Vertical   | 37             | 1.00          | -        |
| 5700MHz | Pass   | PK   | 5.7256G      | 66.98             | 68.20             | -1.22          | 3           | Vertical   | 37             | 1.00          | -        |
| 5700MHz | Pass   | AV   | 5.7008G      | 93.79             | Inf               | -Inf           | 3           | Horizontal | 142            | 1.00          | -        |
| 5700MHz | Pass   | PK   | 5.7012G      | 102.31            | Inf               | -Inf           | 3           | Horizontal | 142            | 1.00          | -        |
| 5700MHz | Pass   | PK   | 5.7256G      | 67.85             | 68.20             | -0.35          | 3           | Horizontal | 142            | 1.00          | -        |
| 5700MHz | Pass   | AV   | 11.3946G     | 47.24             | 54.00             | -6.76          | 3           | Vertical   | 307            | 1.00          | -        |
| 5700MHz | Pass   | PK   | 11.38926G    | 59.62             | 74.00             | -14.38         | 3           | Vertical   | 307            | 1.00          | -        |

Remark :

Page No. : D4 of D74

$$\text{Level (dBuV/m)} = \text{Raw(Read Level)} + \text{AF(Antenna Factor)} + \text{CL(Cable Loss)} - \text{PA(Preamp Factor)}$$

852814-05

| 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 |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5700MHz                      | Pass   | AV   | 11.40552G    | 47.14             | 54.00             | -6.86          | 3           | Horizontal | 272            | 1.55          | -        |
| 5700MHz                      | Pass   | PK   | 11.3907G     | 60.11             | 74.00             | -13.89         | 3           | Horizontal | 272            | 1.55          | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5270MHz                      | Pass   | AV   | 5.2688G      | 93.26             | Inf               | -Inf           | 3           | Vertical   | 7              | 2.55          | -        |
| 5270MHz                      | Pass   | AV   | 5.3504G      | 49.33             | 54.00             | -4.67          | 3           | Vertical   | 7              | 2.55          | -        |
| 5270MHz                      | Pass   | PK   | 5.2668G      | 101.24            | Inf               | -Inf           | 3           | Vertical   | 7              | 2.55          | -        |
| 5270MHz                      | Pass   | PK   | 5.3512G      | 60.18             | 74.00             | -13.82         | 3           | Vertical   | 7              | 2.55          | -        |
| 5270MHz                      | Pass   | AV   | 5.2716G      | 93.49             | Inf               | -Inf           | 3           | Horizontal | 131            | 3.00          | -        |
| 5270MHz                      | Pass   | AV   | 5.3512G      | 49.25             | 54.00             | -4.75          | 3           | Horizontal | 131            | 3.00          | -        |
| 5270MHz                      | Pass   | PK   | 5.272G       | 102.08            | Inf               | -Inf           | 3           | Horizontal | 131            | 3.00          | -        |
| 5270MHz                      | Pass   | PK   | 5.3528G      | 61.23             | 74.00             | -12.77         | 3           | Horizontal | 131            | 3.00          | -        |
| 5270MHz                      | Pass   | PK   | 10.52662G    | 61.27             | 68.20             | -6.93          | 3           | Vertical   | 97             | 3.00          | -        |
| 5270MHz                      | Pass   | PK   | 10.52584G    | 62.55             | 68.20             | -5.65          | 3           | Horizontal | 291            | 1.50          | -        |
| 5310MHz                      | Pass   | AV   | 5.3088G      | 87.08             | Inf               | -Inf           | 3           | Vertical   | 20             | 1.00          | -        |
| 5310MHz                      | Pass   | AV   | 5.35G        | 50.98             | 54.00             | -3.02          | 3           | Vertical   | 20             | 1.00          | -        |
| 5310MHz                      | Pass   | PK   | 5.308G       | 95.48             | Inf               | -Inf           | 3           | Vertical   | 20             | 1.00          | -        |
| 5310MHz                      | Pass   | PK   | 5.3508G      | 66.54             | 74.00             | -7.46          | 3           | Vertical   | 20             | 1.00          | -        |
| 5310MHz                      | Pass   | AV   | 5.3088G      | 91.37             | Inf               | -Inf           | 3           | Horizontal | 126            | 1.00          | -        |
| 5310MHz                      | Pass   | AV   | 5.35G        | 53.70             | 54.00             | -0.30          | 3           | Horizontal | 126            | 1.00          | -        |
| 5310MHz                      | Pass   | PK   | 5.3088G      | 100.58            | Inf               | -Inf           | 3           | Horizontal | 126            | 1.00          | -        |
| 5310MHz                      | Pass   | PK   | 5.3536G      | 69.21             | 74.00             | -4.79          | 3           | Horizontal | 126            | 1.00          | -        |
| 5310MHz                      | Pass   | AV   | 10.62648G    | 47.64             | 54.00             | -6.36          | 3           | Vertical   | 0              | 1.77          | -        |
| 5310MHz                      | Pass   | PK   | 10.62522G    | 59.93             | 74.00             | -14.07         | 3           | Vertical   | 0              | 1.77          | -        |
| 5310MHz                      | Pass   | AV   | 10.61094G    | 47.59             | 54.00             | -6.41          | 3           | Horizontal | 185            | 1.50          | -        |
| 5310MHz                      | Pass   | PK   | 10.62252G    | 59.08             | 74.00             | -14.92         | 3           | Horizontal | 185            | 1.50          | -        |
| 5510MHz                      | Pass   | AV   | 5.4592G      | 50.46             | 54.00             | -3.54          | 3           | Vertical   | 45             | 1.00          | -        |
| 5510MHz                      | Pass   | AV   | 5.5112G      | 90.22             | Inf               | -Inf           | 3           | Vertical   | 45             | 1.00          | -        |
| 5510MHz                      | Pass   | PK   | 5.4696G      | 66.35             | 68.20             | -1.85          | 3           | Vertical   | 45             | 1.00          | -        |
| 5510MHz                      | Pass   | PK   | 5.512G       | 98.68             | Inf               | -Inf           | 3           | Vertical   | 45             | 1.00          | -        |
| 5510MHz                      | Pass   | AV   | 5.4592G      | 50.92             | 54.00             | -3.08          | 3           | Horizontal | 149            | 1.00          | -        |
| 5510MHz                      | Pass   | AV   | 5.5088G      | 91.54             | Inf               | -Inf           | 3           | Horizontal | 149            | 1.00          | -        |
| 5510MHz                      | Pass   | PK   | 5.4684G      | 67.90             | 68.20             | -0.30          | 3           | Horizontal | 149            | 1.00          | -        |
| 5510MHz                      | Pass   | PK   | 5.5132G      | 99.94             | Inf               | -Inf           | 3           | Horizontal | 149            | 1.00          | -        |
| 5510MHz                      | Pass   | AV   | 11.03206G    | 48.75             | 54.00             | -5.25          | 3           | Vertical   | 359            | 1.23          | -        |
| 5510MHz                      | Pass   | PK   | 11.0284G     | 60.81             | 74.00             | -13.19         | 3           | Vertical   | 359            | 1.23          | -        |
| 5510MHz                      | Pass   | AV   | 11.02888G    | 48.87             | 54.00             | -5.13          | 3           | Horizontal | 3              | 2.48          | -        |
| 5510MHz                      | Pass   | PK   | 11.01526G    | 60.89             | 74.00             | -13.11         | 3           | Horizontal | 3              | 2.48          | -        |
| 5550MHz                      | Pass   | AV   | 5.45G        | 48.96             | 54.00             | -5.04          | 3           | Vertical   | 44             | 1.00          | -        |
| 5550MHz                      | Pass   | AV   | 5.5512G      | 93.63             | Inf               | -Inf           | 3           | Vertical   | 44             | 1.00          | -        |
| 5550MHz                      | Pass   | PK   | 5.4608G      | 61.08             | 68.20             | -7.12          | 3           | Vertical   | 44             | 1.00          | -        |
| 5550MHz                      | Pass   | PK   | 5.548G       | 102.51            | Inf               | -Inf           | 3           | Vertical   | 44             | 1.00          | -        |
| 5550MHz                      | Pass   | AV   | 5.46G        | 49.35             | 54.00             | -4.65          | 3           | Horizontal | 150            | 1.04          | -        |
| 5550MHz                      | Pass   | AV   | 5.5488G      | 94.59             | Inf               | -Inf           | 3           | Horizontal | 150            | 1.04          | -        |
| 5550MHz                      | Pass   | PK   | 5.4644G      | 61.55             | 68.20             | -6.65          | 3           | Horizontal | 150            | 1.04          | -        |
| 5550MHz                      | Pass   | PK   | 5.5516G      | 103.64            | Inf               | -Inf           | 3           | Horizontal | 150            | 1.04          | -        |
| 5550MHz                      | Pass   | AV   | 11.10324G    | 48.76             | 54.00             | -5.24          | 3           | Vertical   | 239            | 1.50          | -        |
| 5550MHz                      | Pass   | PK   | 11.11368G    | 60.69             | 74.00             | -13.31         | 3           | Vertical   | 239            | 1.50          | -        |
| 5550MHz                      | Pass   | AV   | 11.11452G    | 48.74             | 54.00             | -5.26          | 3           | Horizontal | 350            | 1.36          | -        |
| 5550MHz                      | Pass   | PK   | 11.10918G    | 60.79             | 74.00             | -13.21         | 3           | Horizontal | 350            | 1.36          | -        |

Remark :

Page No. : D5 of D74

$$\text{Level (dBuV/m)} = \text{Raw(Read Level)} + \text{AF(Antenna Factor)} + \text{CL(Cable Loss)} - \text{PA( Preamp Factor)}$$

852814-05

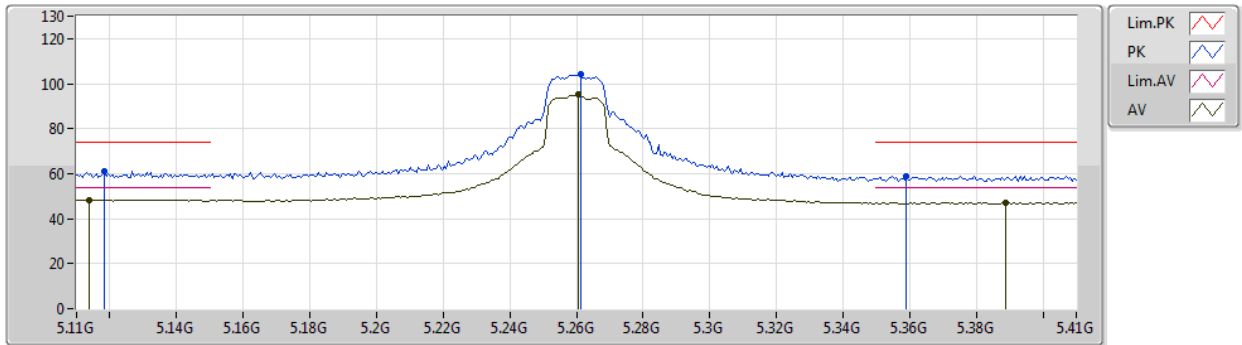


| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5670MHz | Pass   | AV   | 5.6688G      | 92.88             | Inf               | -Inf           | 3           | Vertical   | 33             | 1.01          | -        |
| 5670MHz | Pass   | PK   | 5.6718G      | 101.94            | Inf               | -Inf           | 3           | Vertical   | 33             | 1.01          | -        |
| 5670MHz | Pass   | PK   | 5.7312G      | 67.40             | 68.20             | -0.80          | 3           | Vertical   | 33             | 1.01          | -        |
| 5670MHz | Pass   | AV   | 5.6688G      | 94.41             | Inf               | -Inf           | 3           | Horizontal | 149            | 1.01          | -        |
| 5670MHz | Pass   | PK   | 5.6688G      | 102.21            | Inf               | -Inf           | 3           | Horizontal | 149            | 1.01          | -        |
| 5670MHz | Pass   | PK   | 5.7258G      | 67.52             | 68.20             | -0.68          | 3           | Horizontal | 149            | 1.01          | -        |
| 5670MHz | Pass   | AV   | 11.34196G    | 48.41             | 54.00             | -5.59          | 3           | Vertical   | 20             | 1.50          | -        |
| 5670MHz | Pass   | PK   | 11.34209G    | 59.82             | 74.00             | -14.18         | 3           | Vertical   | 20             | 1.50          | -        |
| 5670MHz | Pass   | AV   | 11.34162G    | 48.06             | 54.00             | -5.94          | 3           | Horizontal | 272            | 1.58          | -        |
| 5670MHz | Pass   | PK   | 11.34171G    | 60.32             | 74.00             | -13.68         | 3           | Horizontal | 272            | 1.58          | -        |

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

27/10/2019

## 5260MHz\_TX

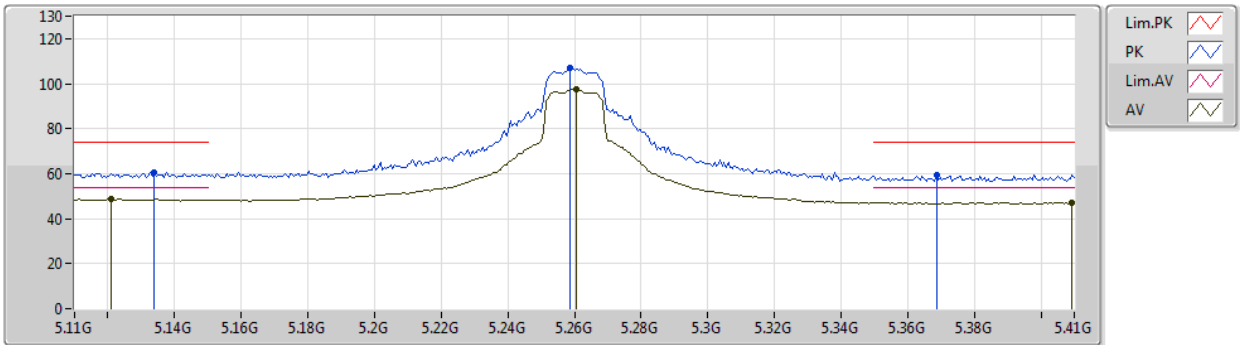


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.1136G      | 48.45             | 54.00             | -5.55          | 7.98           | 3           | Vertical  | 10             | 1.00          | -       | 40.47         | 31.95      | 10.08      | 34.05      |
| AV   | 5.2606G      | 94.99             | Inf               | -Inf           | 7.41           | 3           | Vertical  | 10             | 1.00          | -       | 87.58         | 31.36      | 10.11      | 34.06      |
| AV   | 5.389G       | 47.32             | 54.00             | -6.68          | 7.59           | 3           | Vertical  | 10             | 1.00          | -       | 39.73         | 31.47      | 10.18      | 34.06      |
| PK   | 5.1184G      | 61.18             | 74.00             | -12.82         | 7.96           | 3           | Vertical  | 10             | 1.00          | -       | 53.22         | 31.93      | 10.08      | 34.05      |
| PK   | 5.2612G      | 104.10            | Inf               | -Inf           | 7.41           | 3           | Vertical  | 10             | 1.00          | -       | 96.69         | 31.36      | 10.11      | 34.06      |
| PK   | 5.359G       | 59.05             | 74.00             | -14.95         | 7.48           | 3           | Vertical  | 10             | 1.00          | -       | 51.57         | 31.38      | 10.16      | 34.06      |

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

27/10/2019

### 5260MHz\_TX

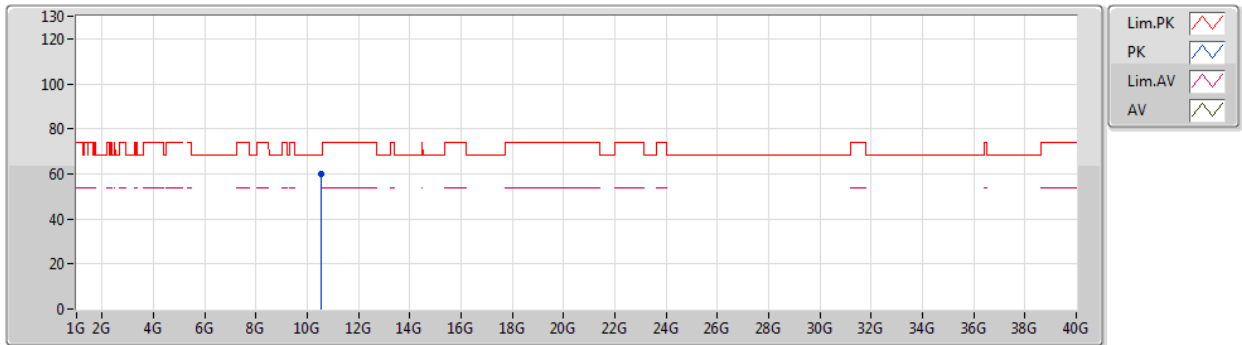


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.1208G      | 48.95             | 54.00             | -5.05          | 7.95           | 3           | Horizontal | 133            | 1.00          | -       | 41.00         | 31.92      | 10.08      | 34.05      |
| AV   | 5.2606G      | 97.64             | Inf               | -Inf           | 7.41           | 3           | Horizontal | 133            | 1.00          | -       | 90.23         | 31.36      | 10.11      | 34.06      |
| AV   | 5.4094G      | 47.06             | 54.00             | -6.94          | 7.66           | 3           | Horizontal | 133            | 1.00          | -       | 39.40         | 31.53      | 10.19      | 34.06      |
| PK   | 5.134G       | 60.57             | 74.00             | -13.43         | 7.89           | 3           | Horizontal | 133            | 1.00          | -       | 52.68         | 31.86      | 10.08      | 34.05      |
| PK   | 5.2588G      | 106.93            | Inf               | -Inf           | 7.41           | 3           | Horizontal | 133            | 1.00          | -       | 99.52         | 31.36      | 10.11      | 34.06      |
| PK   | 5.3686G      | 59.44             | 74.00             | -14.56         | 7.52           | 3           | Horizontal | 133            | 1.00          | -       | 51.92         | 31.41      | 10.17      | 34.06      |

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

27/10/2019

### 5260MHz\_TX

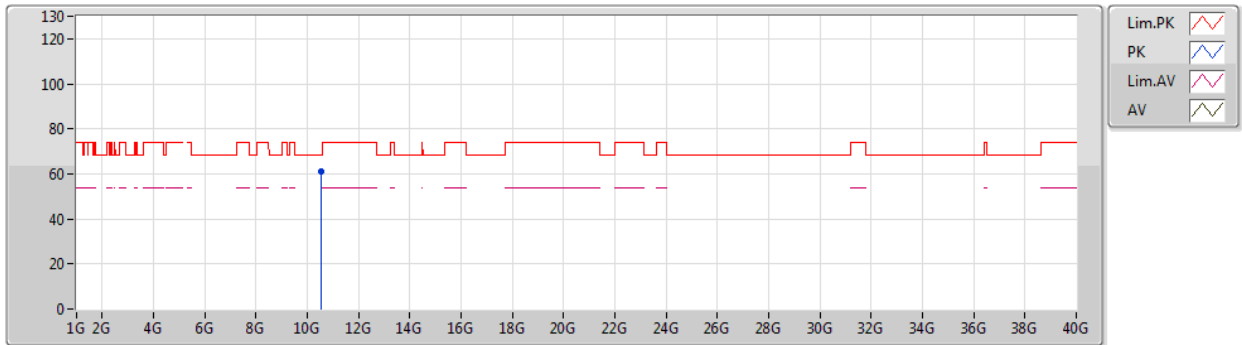


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.5179G     | 60.13             | 68.20             | -8.07          | 18.18          | 3           | Vertical  | 23             | 1.51          | -       | 41.95         | 39.57      | 13.06      | 34.45      |

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

27/10/2019

### 5260MHz\_TX

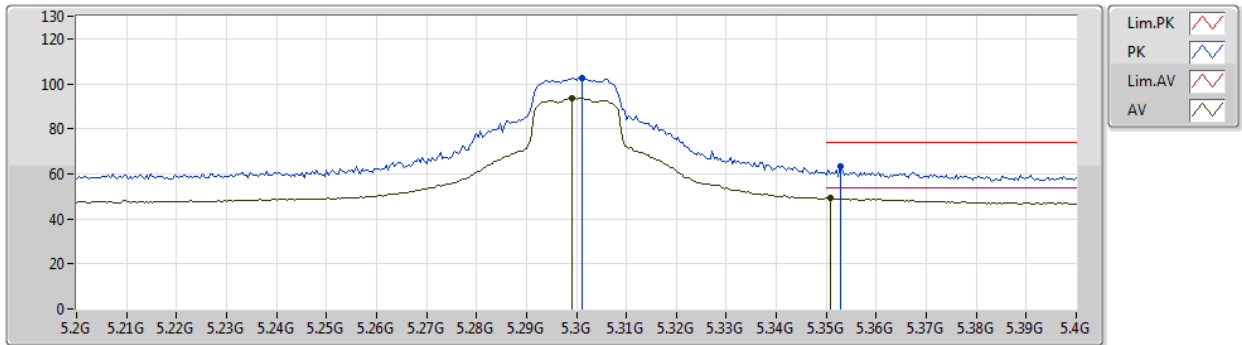


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.5209G     | 60.80             | 68.20             | -7.40          | 18.19          | 3           | Horizontal | 202            | 1.22          | -       | 42.61         | 39.58      | 13.06      | 34.45      |

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

27/10/2019

### 5300MHz\_TX

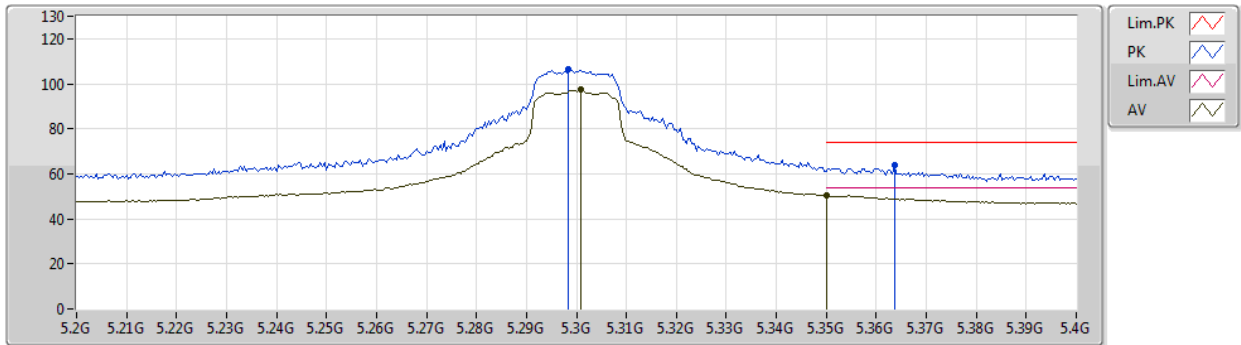


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.2992G      | 93.72             | Inf               | -Inf           | 7.27           | 3           | Vertical  | 37             | 1.01          | -       | 86.45         | 31.20      | 10.13      | 34.06      |
| AV   | 5.3508G      | 49.09             | 54.00             | -4.91          | 7.45           | 3           | Vertical  | 37             | 1.01          | -       | 41.64         | 31.35      | 10.16      | 34.06      |
| PK   | 5.3012G      | 102.75            | Inf               | -Inf           | 7.27           | 3           | Vertical  | 37             | 1.01          | -       | 95.48         | 31.20      | 10.13      | 34.06      |
| PK   | 5.3528G      | 63.07             | 74.00             | -10.93         | 7.46           | 3           | Vertical  | 37             | 1.01          | -       | 55.61         | 31.36      | 10.16      | 34.06      |

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

27/10/2019

### 5300MHz\_TX

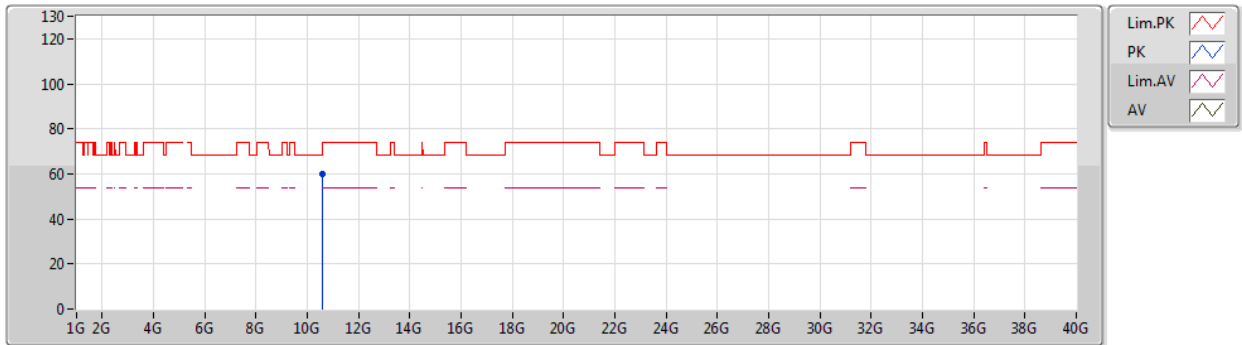


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3008G      | 97.37             | Inf               | -Inf           | 7.27           | 3           | Horizontal | 133            | 1.00          | -       | 90.10         | 31.20      | 10.13      | 34.06      |
| AV   | 5.35G        | 50.35             | 54.00             | -3.65          | 7.45           | 3           | Horizontal | 133            | 1.00          | -       | 42.90         | 31.35      | 10.16      | 34.06      |
| PK   | 5.2984G      | 106.51            | Inf               | -Inf           | 7.28           | 3           | Horizontal | 133            | 1.00          | -       | 99.23         | 31.21      | 10.13      | 34.06      |
| PK   | 5.3636G      | 63.81             | 74.00             | -10.19         | 7.50           | 3           | Horizontal | 133            | 1.00          | -       | 56.31         | 31.39      | 10.17      | 34.06      |

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

27/10/2019

### 5300MHz\_TX

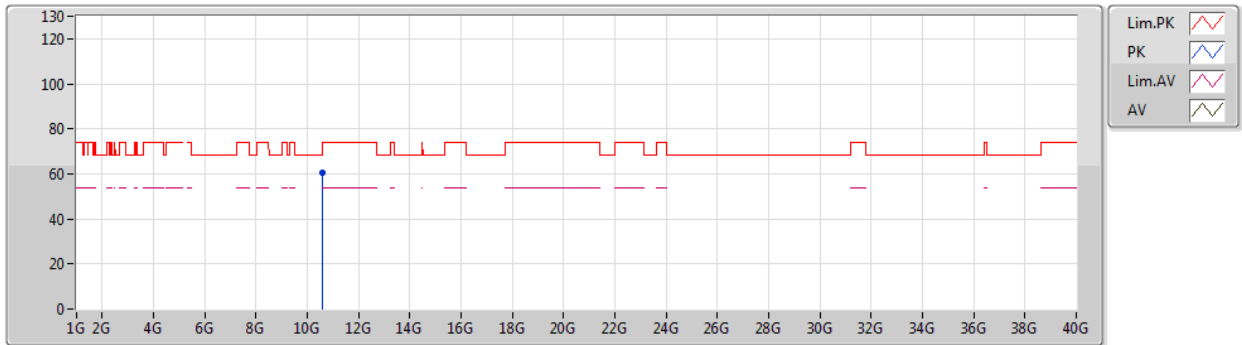


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.59796G    | 59.84             | 68.20             | -8.36          | 18.38          | 3           | Vertical  | 197            | 2.16          | -       | 41.46         | 39.68      | 13.10      | 34.40      |

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

27/10/2019

### 5300MHz\_TX

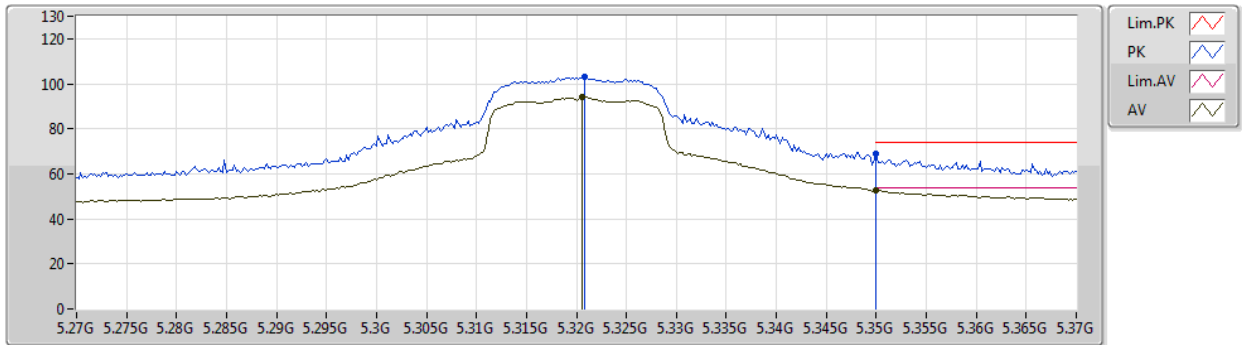


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.597G      | 60.45             | 68.20             | -7.75          | 18.38          | 3           | Horizontal | 46             | 1.00          | -       | 42.07         | 39.68      | 13.10      | 34.40      |

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

27/10/2019

### 5320MHz\_TX

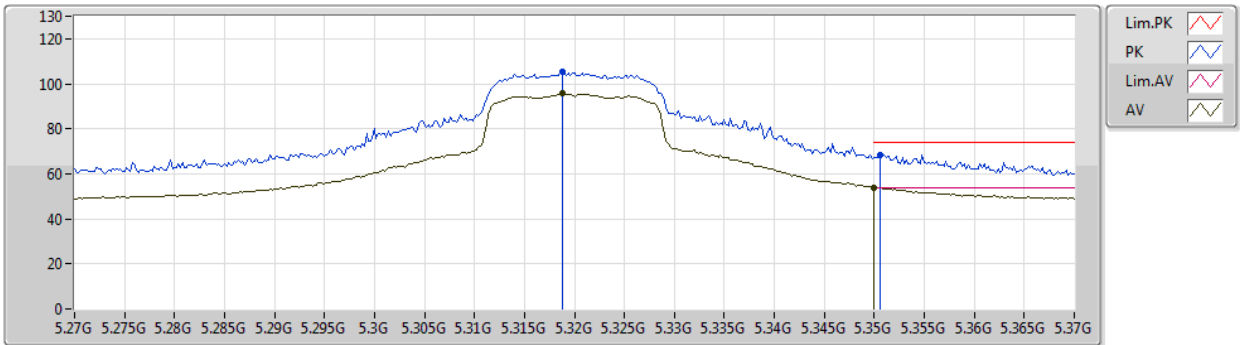


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3206G      | 94.10             | Inf               | -Inf           | 7.34           | 3           | Vertical  | 81             | 1.02          | -       | 86.76         | 31.26      | 10.14      | 34.06      |
| AV   | 5.35G        | 52.80             | 54.00             | -1.20          | 7.45           | 3           | Vertical  | 81             | 1.02          | -       | 45.35         | 31.35      | 10.16      | 34.06      |
| PK   | 5.3208G      | 103.20            | Inf               | -Inf           | 7.34           | 3           | Vertical  | 81             | 1.02          | -       | 95.86         | 31.26      | 10.14      | 34.06      |
| PK   | 5.35G        | 68.73             | 74.00             | -5.27          | 7.45           | 3           | Vertical  | 81             | 1.02          | -       | 61.28         | 31.35      | 10.16      | 34.06      |

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

27/10/2019

### 5320MHz\_TX

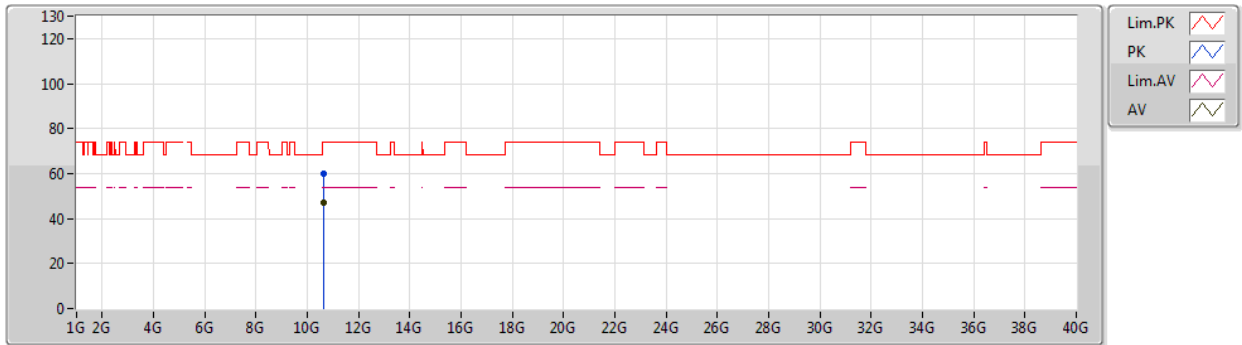


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3188G      | 95.56             | Inf               | -Inf           | 7.34           | 3           | Horizontal | 142            | 2.71          | -       | 88.22         | 31.26      | 10.14      | 34.06      |
| AV   | 5.35G        | 53.91             | 54.00             | -0.09          | 7.45           | 3           | Horizontal | 142            | 2.71          | -       | 46.46         | 31.35      | 10.16      | 34.06      |
| PK   | 5.3188G      | 105.29            | Inf               | -Inf           | 7.34           | 3           | Horizontal | 142            | 2.71          | -       | 97.95         | 31.26      | 10.14      | 34.06      |
| PK   | 5.3506G      | 68.56             | 74.00             | -5.44          | 7.45           | 3           | Horizontal | 142            | 2.71          | -       | 61.11         | 31.35      | 10.16      | 34.06      |

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

27/10/2019

### 5320MHz\_TX

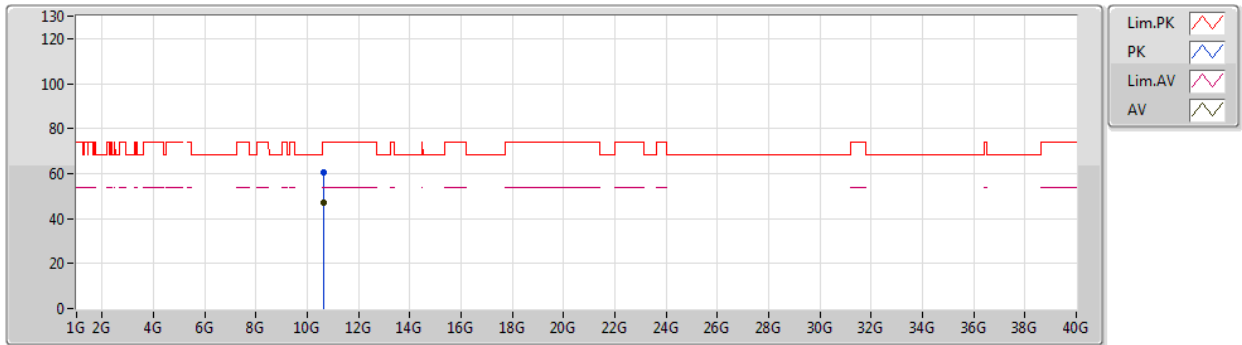


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.64606G    | 47.11             | 54.00             | -6.89          | 18.50          | 3           | Vertical  | 0              | 1.40          | -       | 28.61         | 39.74      | 13.13      | 34.37      |
| PK   | 10.64528G    | 59.68             | 74.00             | -14.32         | 18.50          | 3           | Vertical  | 0              | 1.40          | -       | 41.18         | 39.74      | 13.13      | 34.37      |

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

27/10/2019

### 5320MHz\_TX

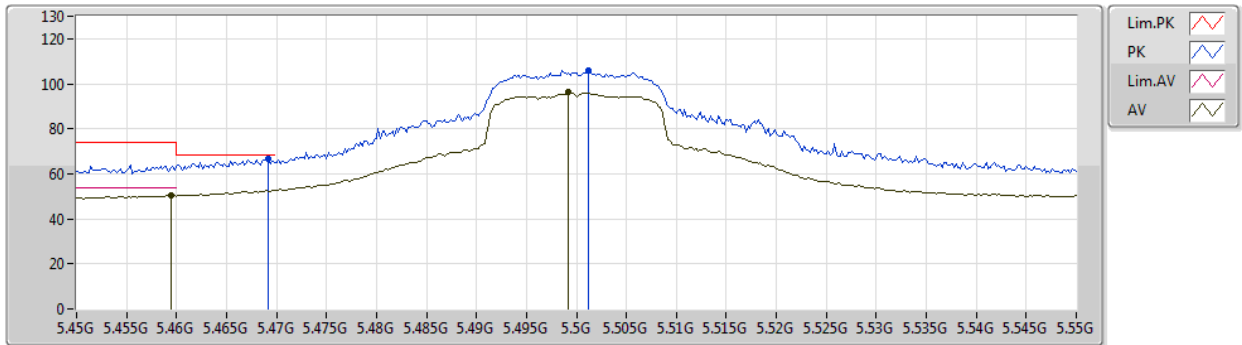


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.62902G    | 47.03             | 54.00             | -6.97          | 18.46          | 3           | Horizontal | 192            | 1.50          | -       | 28.57         | 39.72      | 13.12      | 34.38      |
| PK   | 10.65056G    | 60.26             | 74.00             | -13.74         | 18.51          | 3           | Horizontal | 192            | 1.50          | -       | 41.75         | 39.75      | 13.13      | 34.37      |

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

27/10/2019

### 5500MHz\_TX

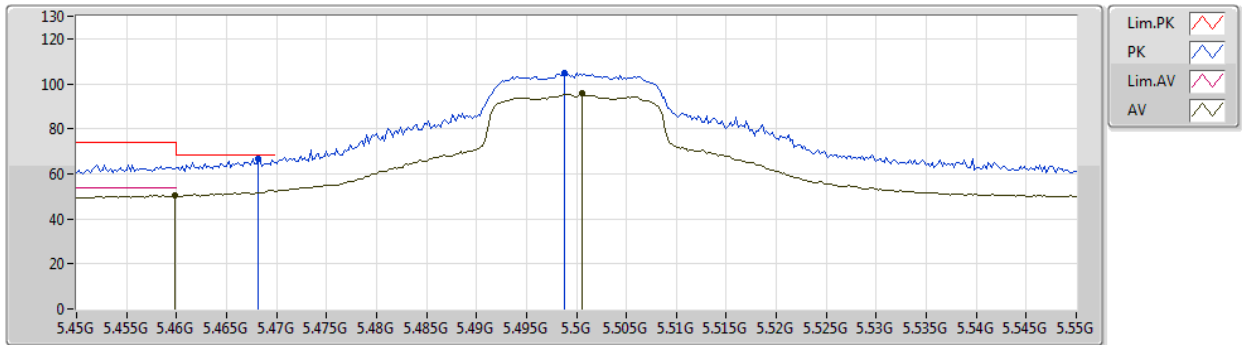


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.4594G      | 50.35             | 54.00             | -3.65          | 7.81           | 3           | Vertical  | 82             | 1.00          | -       | 42.54         | 31.68      | 10.20      | 34.07      |
| AV   | 5.4992G      | 96.16             | Inf               | -Inf           | 7.94           | 3           | Vertical  | 82             | 1.00          | -       | 88.22         | 31.80      | 10.21      | 34.07      |
| PK   | 5.4692G      | 66.48             | 68.20             | -1.72          | 7.85           | 3           | Vertical  | 82             | 1.00          | -       | 58.63         | 31.71      | 10.21      | 34.07      |
| PK   | 5.5012G      | 105.99            | Inf               | -Inf           | 7.95           | 3           | Vertical  | 82             | 1.00          | -       | 98.04         | 31.80      | 10.22      | 34.07      |

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

27/10/2019

## 5500MHz\_TX

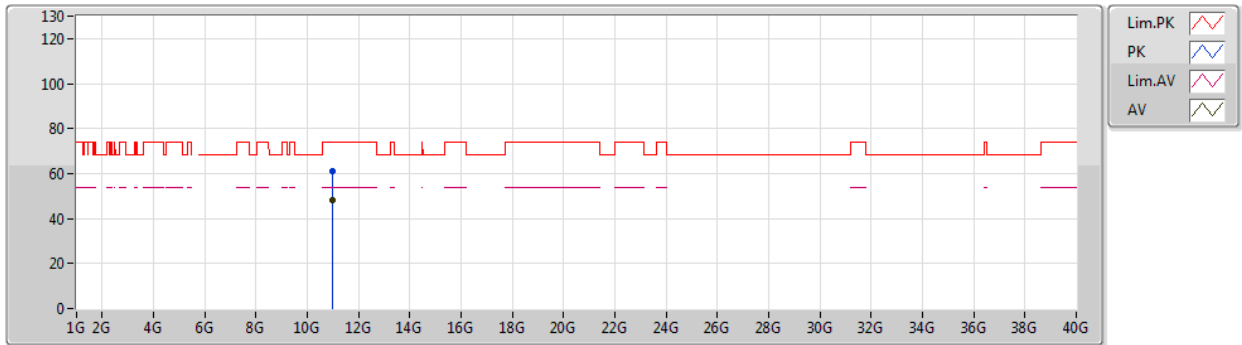


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.4598G      | 50.70             | 54.00             | -3.30          | 7.81           | 3           | Horizontal | 141            | 1.00          | -       | 42.89         | 31.68      | 10.20      | 34.07      |
| AV   | 5.5006G      | 95.55             | Inf               | -Inf           | 7.95           | 3           | Horizontal | 141            | 1.00          | -       | 87.60         | 31.80      | 10.22      | 34.07      |
| PK   | 5.4682G      | 66.62             | 68.20             | -1.58          | 7.84           | 3           | Horizontal | 141            | 1.00          | -       | 58.78         | 31.70      | 10.21      | 34.07      |
| PK   | 5.4988G      | 104.97            | Inf               | -Inf           | 7.94           | 3           | Horizontal | 141            | 1.00          | -       | 97.03         | 31.80      | 10.21      | 34.07      |

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

27/10/2019

### 5500MHz\_TX

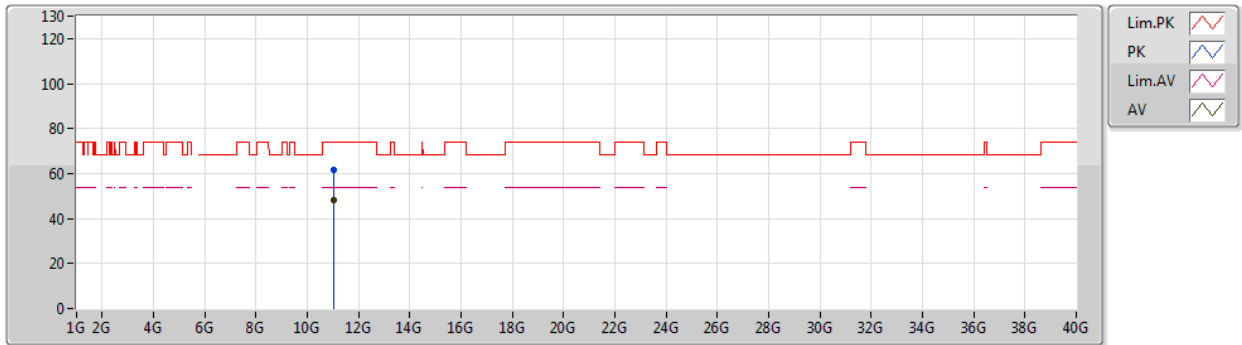


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.99922G    | 48.37             | 54.00             | -5.63          | 19.37          | 3           | Vertical  | 0              | 2.40          | -       | 29.00         | 40.20      | 13.33      | 34.16      |
| PK   | 11.00786G    | 61.30             | 74.00             | -12.70         | 19.37          | 3           | Vertical  | 0              | 2.40          | -       | 41.93         | 40.19      | 13.34      | 34.16      |

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

27/10/2019

### 5500MHz\_TX

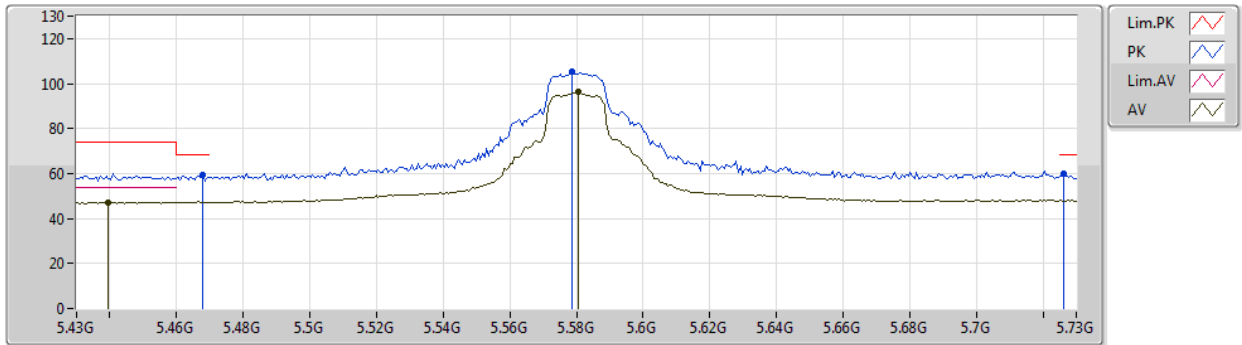


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.00894G    | 48.18             | 54.00             | -5.82          | 19.37          | 3           | Horizontal | 14             | 1.40          | -       | 28.81         | 40.19      | 13.34      | 34.16      |
| PK   | 11.00966G    | 61.45             | 74.00             | -12.55         | 19.37          | 3           | Horizontal | 14             | 1.40          | -       | 42.08         | 40.19      | 13.34      | 34.16      |

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

27/10/2019

### 5580MHz\_TX

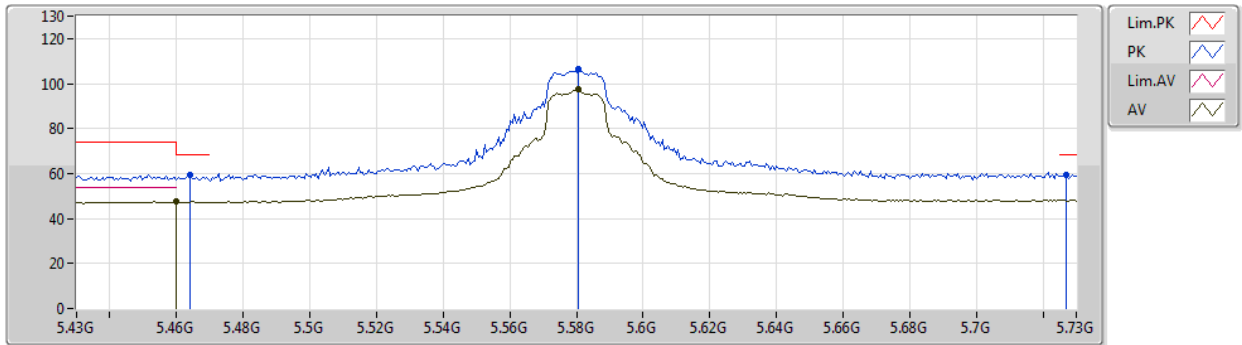


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.4396G      | 47.25             | 54.00             | -6.75          | 7.76           | 3           | Vertical  | 42             | 1.01          | -       | 39.49         | 31.62      | 10.20      | 34.06      |
| AV   | 5.5806G      | 96.25             | Inf               | -Inf           | 7.81           | 3           | Vertical  | 42             | 1.01          | -       | 88.44         | 31.64      | 10.24      | 34.07      |
| PK   | 5.4678G      | 59.34             | 68.20             | -8.86          | 7.84           | 3           | Vertical  | 42             | 1.01          | -       | 51.50         | 31.70      | 10.21      | 34.07      |
| PK   | 5.5788G      | 105.22            | Inf               | -Inf           | 7.81           | 3           | Vertical  | 42             | 1.01          | -       | 97.41         | 31.64      | 10.24      | 34.07      |
| PK   | 5.7264G      | 60.11             | 68.20             | -8.09          | 8.21           | 3           | Vertical  | 42             | 1.01          | -       | 51.90         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

### 5580MHz\_TX

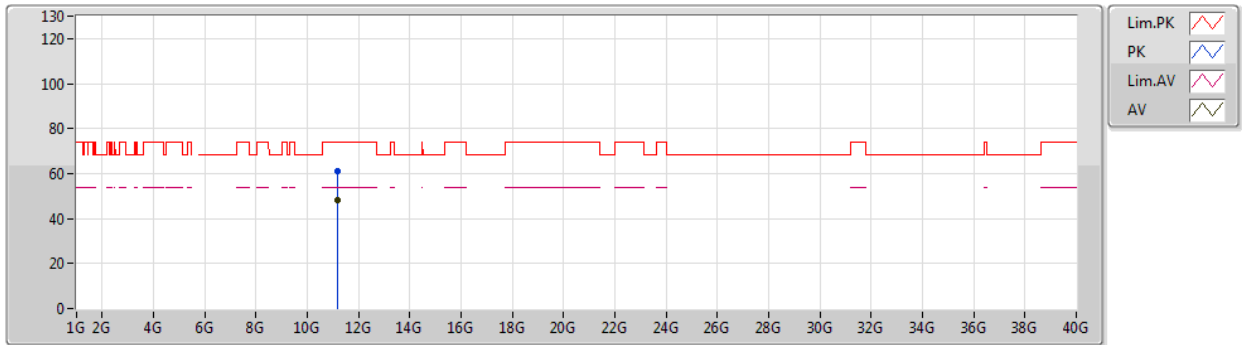


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.46G        | 47.41             | 54.00             | -6.59          | 7.81           | 3           | Horizontal | 146            | 1.01          | -       | 39.60         | 31.68      | 10.20      | 34.07      |
| AV   | 5.5806G      | 97.36             | Inf               | -Inf           | 7.81           | 3           | Horizontal | 146            | 1.01          | -       | 89.55         | 31.64      | 10.24      | 34.07      |
| PK   | 5.4642G      | 59.54             | 68.20             | -8.66          | 7.82           | 3           | Horizontal | 146            | 1.01          | -       | 51.72         | 31.69      | 10.20      | 34.07      |
| PK   | 5.5806G      | 106.33            | Inf               | -Inf           | 7.81           | 3           | Horizontal | 146            | 1.01          | -       | 98.52         | 31.64      | 10.24      | 34.07      |
| PK   | 5.727G       | 59.42             | 68.20             | -8.78          | 8.21           | 3           | Horizontal | 146            | 1.01          | -       | 51.21         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

### 5580MHz\_TX

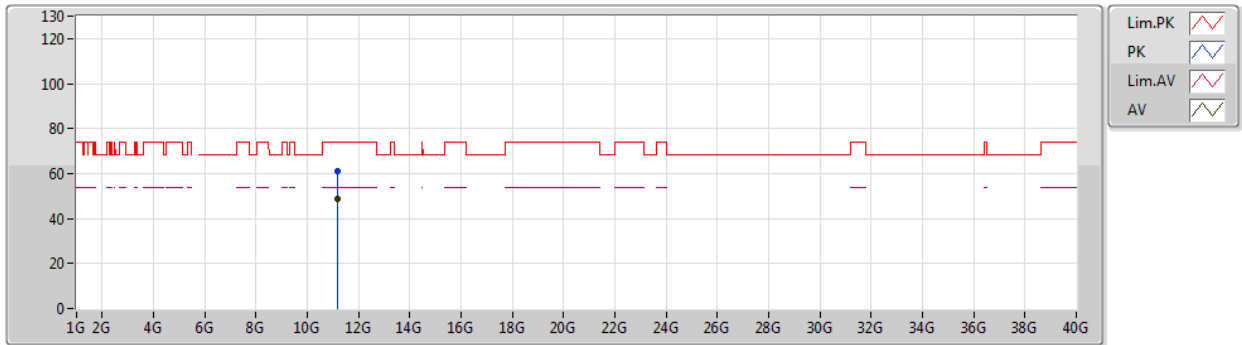


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.15682G    | 48.37             | 54.00             | -5.63          | 19.26          | 3           | Vertical  | 23             | 1.89          | -       | 29.11         | 40.00      | 13.43      | 34.17      |
| PK   | 11.16768G    | 61.05             | 74.00             | -12.95         | 19.24          | 3           | Vertical  | 23             | 1.89          | -       | 41.81         | 39.98      | 13.43      | 34.17      |

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

27/10/2019

### 5580MHz\_TX

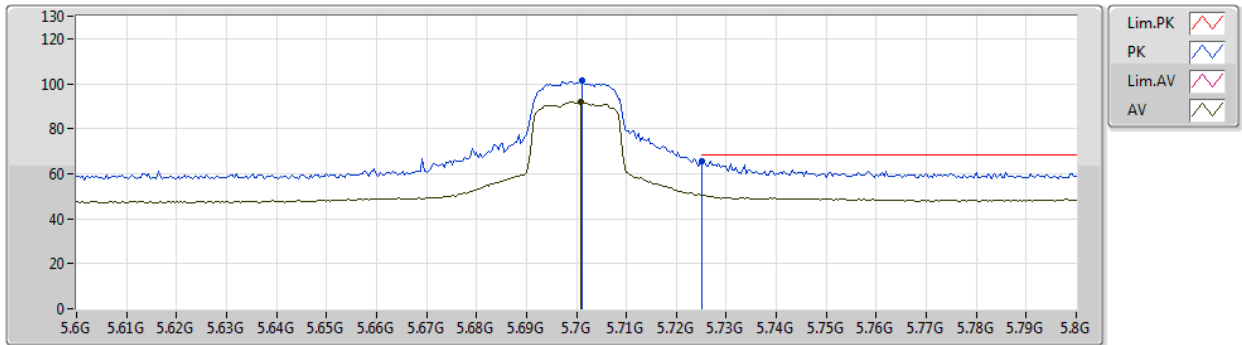


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.16066G    | 48.51             | 54.00             | -5.49          | 19.25          | 3           | Horizontal | 48             | 2.16          | -       | 29.26         | 39.99      | 13.43      | 34.17      |
| PK   | 11.17056G    | 61.33             | 74.00             | -12.67         | 19.24          | 3           | Horizontal | 48             | 2.16          | -       | 42.09         | 39.98      | 13.43      | 34.17      |

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

27/10/2019

### 5700MHz\_TX

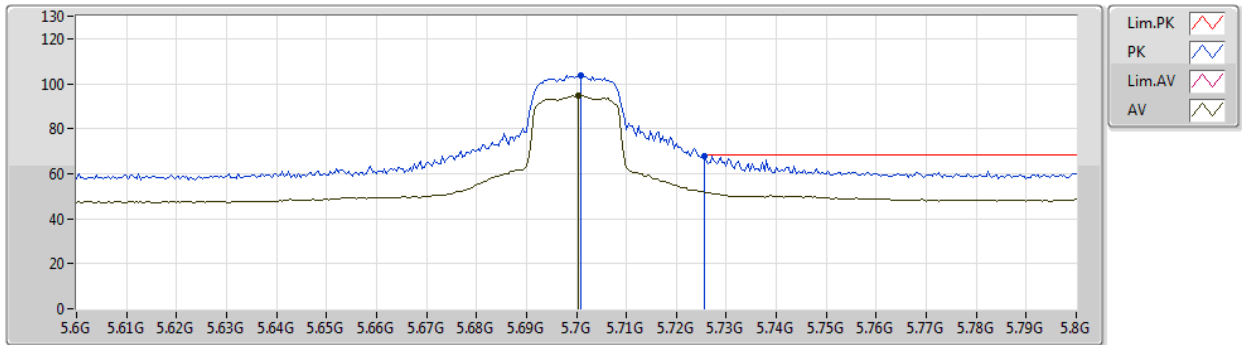


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.7008G      | 92.13             | Inf               | -Inf           | 8.10           | 3           | Vertical  | 28             | 1.00          | -       | 84.03         | 31.80      | 10.37      | 34.07      |
| PK   | 5.7012G      | 101.22            | Inf               | -Inf           | 8.10           | 3           | Vertical  | 28             | 1.00          | -       | 93.12         | 31.80      | 10.37      | 34.07      |
| PK   | 5.7252G      | 65.67             | 68.20             | -2.53          | 8.21           | 3           | Vertical  | 28             | 1.00          | -       | 57.46         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

## 5700MHz\_TX

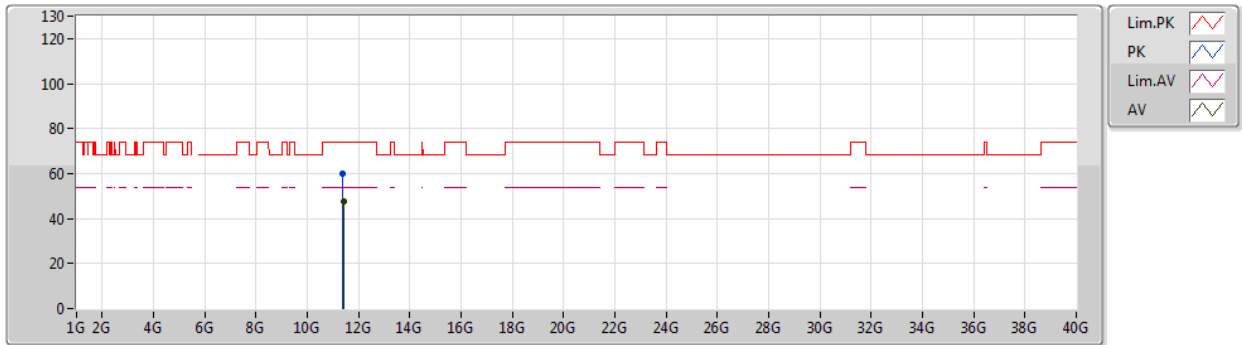


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.7004G      | 94.54             | Inf               | -Inf           | 8.10           | 3           | Horizontal | 97             | 1.00          | -       | 86.44         | 31.80      | 10.37      | 34.07      |
| PK   | 5.7008G      | 103.53            | Inf               | -Inf           | 8.10           | 3           | Horizontal | 97             | 1.00          | -       | 95.43         | 31.80      | 10.37      | 34.07      |
| PK   | 5.7256G      | 68.00             | 68.20             | -0.20          | 8.21           | 3           | Horizontal | 97             | 1.00          | -       | 59.79         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

### 5700MHz\_TX

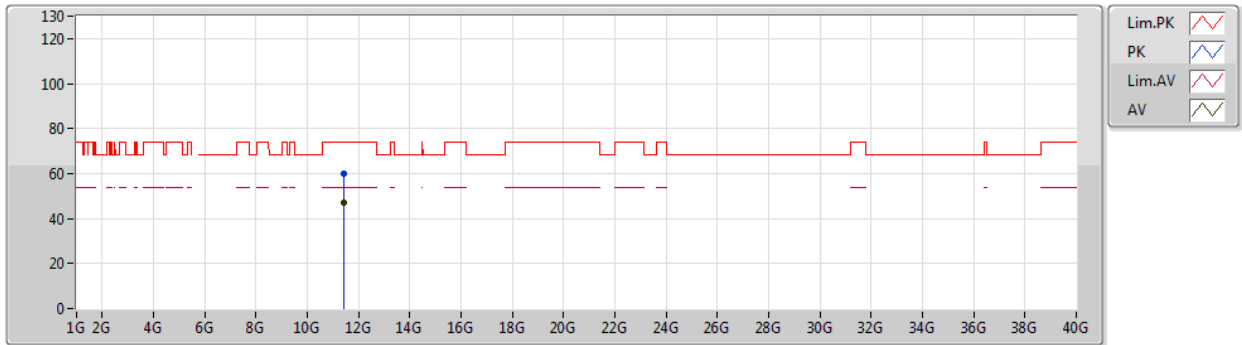


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.40564G    | 47.35             | 54.00             | -6.65          | 19.06          | 3           | Vertical  | 360            | 2.28          | -       | 28.29         | 39.67      | 13.57      | 34.18      |
| PK   | 11.3937G     | 60.19             | 74.00             | -13.81         | 19.07          | 3           | Vertical  | 360            | 2.28          | -       | 41.12         | 39.69      | 13.56      | 34.18      |

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

27/10/2019

### 5700MHz\_TX

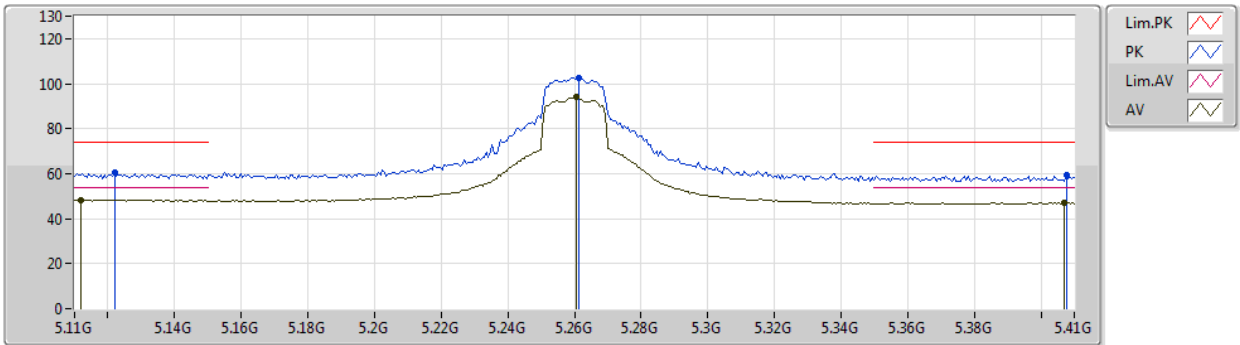


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.40474G    | 47.24             | 54.00             | -6.76          | 19.06          | 3           | Horizontal | 161            | 1.80          | -       | 28.18         | 39.67      | 13.57      | 34.18      |
| PK   | 11.41422G    | 60.22             | 74.00             | -13.78         | 19.05          | 3           | Horizontal | 161            | 1.80          | -       | 41.17         | 39.66      | 13.57      | 34.18      |

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

27/10/2019

## 5260MHz\_TX

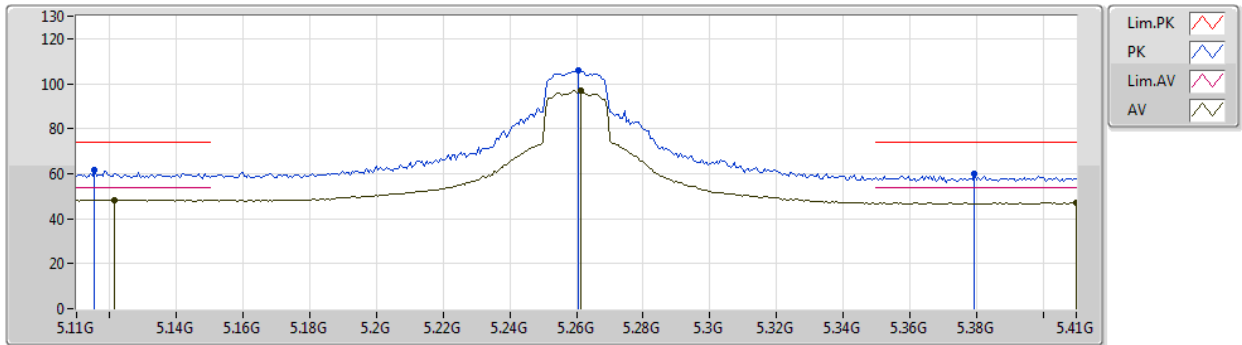


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.1118G      | 48.41             | 54.00             | -5.59          | 7.98           | 3           | Vertical  | 12             | 1.00          | -       | 40.43         | 31.95      | 10.08      | 34.05      |
| AV   | 5.2606G      | 93.86             | Inf               | -Inf           | 7.41           | 3           | Vertical  | 12             | 1.00          | -       | 86.45         | 31.36      | 10.11      | 34.06      |
| AV   | 5.407G       | 47.31             | 54.00             | -6.69          | 7.65           | 3           | Vertical  | 12             | 1.00          | -       | 39.66         | 31.52      | 10.19      | 34.06      |
| PK   | 5.122G       | 60.63             | 74.00             | -13.37         | 7.94           | 3           | Vertical  | 12             | 1.00          | -       | 52.69         | 31.91      | 10.08      | 34.05      |
| PK   | 5.2612G      | 102.46            | Inf               | -Inf           | 7.41           | 3           | Vertical  | 12             | 1.00          | -       | 95.05         | 31.36      | 10.11      | 34.06      |
| PK   | 5.4076G      | 59.15             | 74.00             | -14.85         | 7.65           | 3           | Vertical  | 12             | 1.00          | -       | 51.50         | 31.52      | 10.19      | 34.06      |

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

27/10/2019

## 5260MHz\_TX

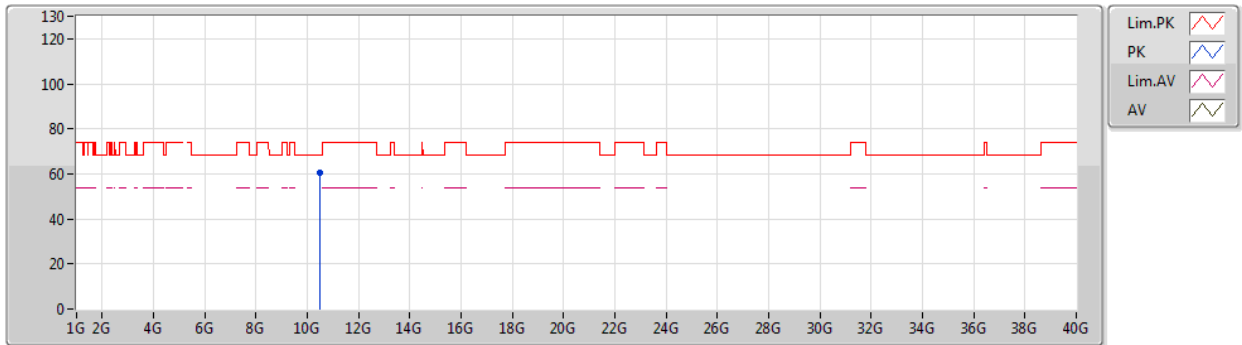


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.1214G      | 48.46             | 54.00             | -5.54          | 7.94           | 3           | Horizontal | 136            | 1.00          | -       | 40.52         | 31.91      | 10.08      | 34.05      |
| AV   | 5.2612G      | 96.78             | Inf               | -Inf           | 7.41           | 3           | Horizontal | 136            | 1.00          | -       | 89.37         | 31.36      | 10.11      | 34.06      |
| AV   | 5.41G        | 47.15             | 54.00             | -6.85          | 7.66           | 3           | Horizontal | 136            | 1.00          | -       | 39.49         | 31.53      | 10.19      | 34.06      |
| PK   | 5.1154G      | 61.51             | 74.00             | -12.49         | 7.97           | 3           | Horizontal | 136            | 1.00          | -       | 53.54         | 31.94      | 10.08      | 34.05      |
| PK   | 5.2606G      | 105.66            | Inf               | -Inf           | 7.41           | 3           | Horizontal | 136            | 1.00          | -       | 98.25         | 31.36      | 10.11      | 34.06      |
| PK   | 5.3794G      | 59.99             | 74.00             | -14.01         | 7.56           | 3           | Horizontal | 136            | 1.00          | -       | 52.43         | 31.44      | 10.18      | 34.06      |

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

27/10/2019

### 5260MHz\_TX

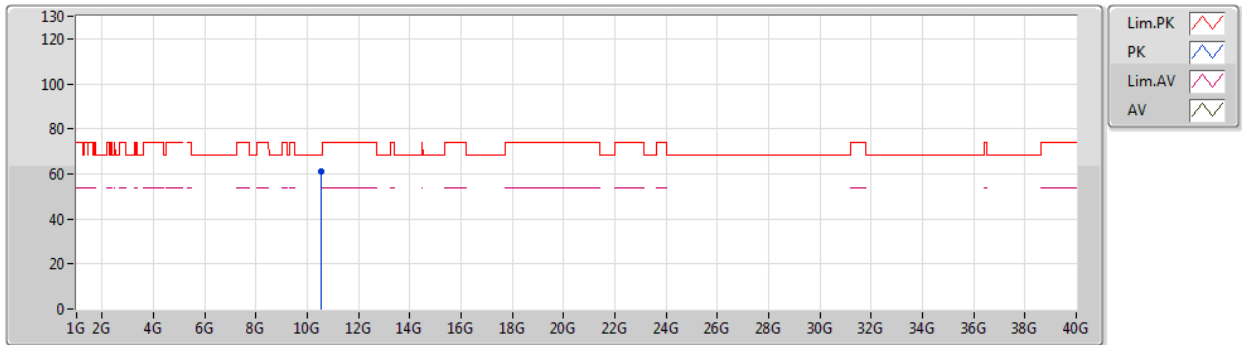


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.51352G    | 60.64             | 68.20             | -7.56          | 18.17          | 3           | Vertical  | 350            | 1.01          | -       | 42.47         | 39.57      | 13.05      | 34.45      |

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

27/10/2019

## 5260MHz\_TX

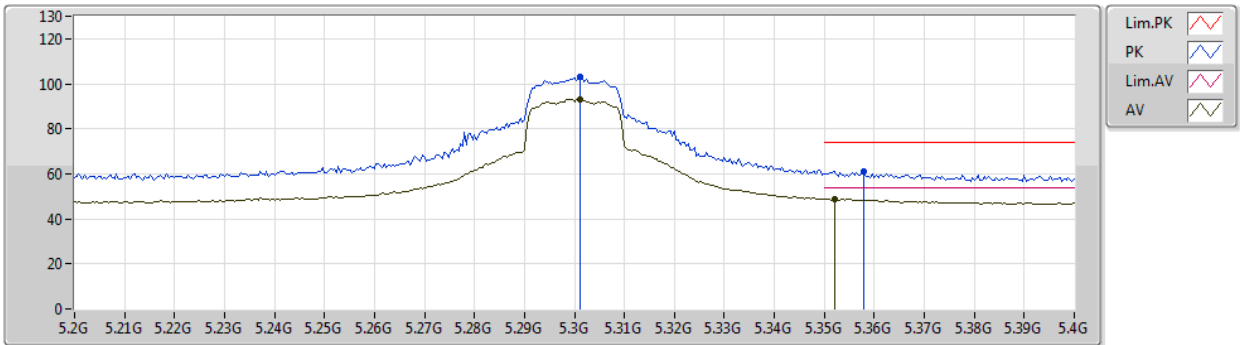


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.52606G    | 61.06             | 68.20             | -7.14          | 18.20          | 3           | Horizontal | 349            | 2.48          | -       | 42.86         | 39.58      | 13.06      | 34.44      |

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

27/10/2019

### 5300MHz\_TX

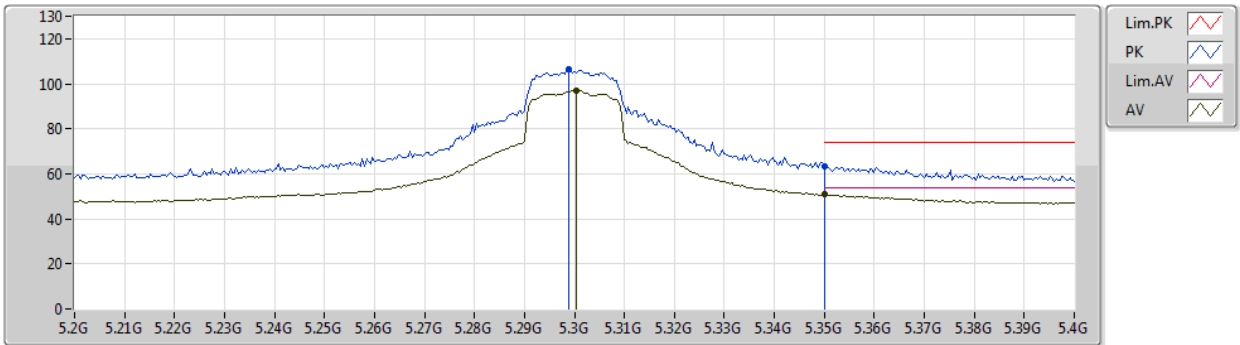


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3012G      | 93.27             | Inf               | -Inf           | 7.27           | 3           | Vertical  | 12             | 1.02          | -       | 86.00         | 31.20      | 10.13      | 34.06      |
| AV   | 5.352G       | 48.90             | 54.00             | -5.10          | 7.46           | 3           | Vertical  | 12             | 1.02          | -       | 41.44         | 31.36      | 10.16      | 34.06      |
| PK   | 5.3012G      | 102.92            | Inf               | -Inf           | 7.27           | 3           | Vertical  | 12             | 1.02          | -       | 95.65         | 31.20      | 10.13      | 34.06      |
| PK   | 5.358G       | 60.88             | 74.00             | -13.12         | 7.47           | 3           | Vertical  | 12             | 1.02          | -       | 53.41         | 31.37      | 10.16      | 34.06      |

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

27/10/2019

### 5300MHz\_TX

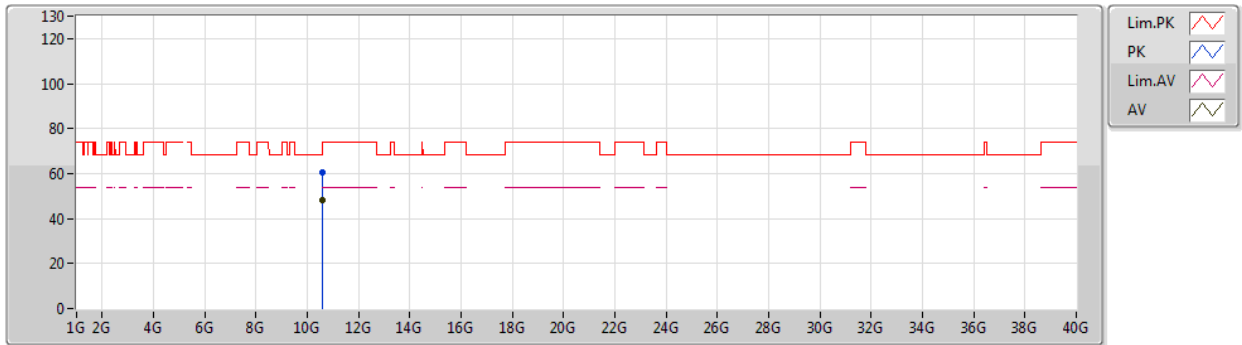


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3004G      | 96.84             | Inf               | -Inf           | 7.27           | 3           | Horizontal | 144            | 1.00          | -       | 89.57         | 31.20      | 10.13      | 34.06      |
| AV   | 5.35G        | 50.83             | 54.00             | -3.17          | 7.45           | 3           | Horizontal | 144            | 1.00          | -       | 43.38         | 31.35      | 10.16      | 34.06      |
| PK   | 5.2988G      | 106.28            | Inf               | -Inf           | 7.27           | 3           | Horizontal | 144            | 1.00          | -       | 99.01         | 31.20      | 10.13      | 34.06      |
| PK   | 5.35G        | 63.54             | 74.00             | -10.46         | 7.45           | 3           | Horizontal | 144            | 1.00          | -       | 56.09         | 31.35      | 10.16      | 34.06      |

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

27/10/2019

### 5300MHz\_TX

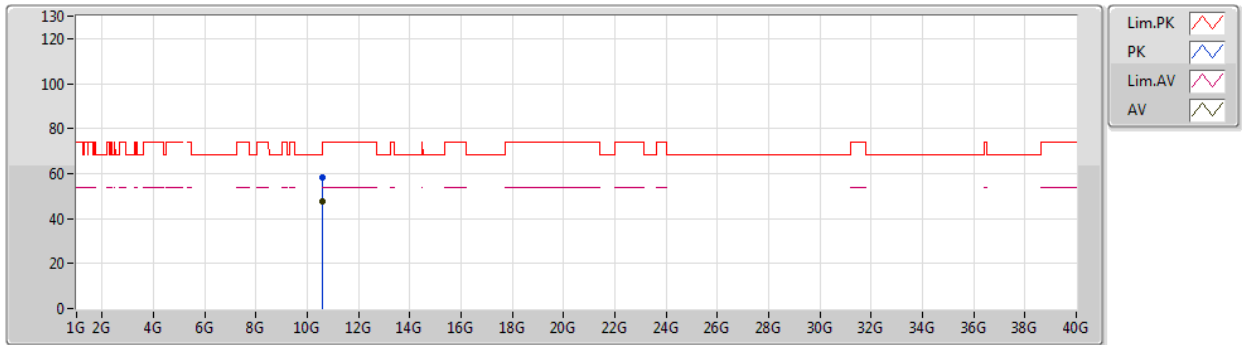


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.60186G    | 47.94             | 54.00             | -6.06          | 18.38          | 3           | Vertical  | 349            | 1.17          | -       | 29.56         | 39.68      | 13.10      | 34.40      |
| PK   | 10.60852G    | 60.35             | 74.00             | -13.65         | 18.41          | 3           | Vertical  | 349            | 1.17          | -       | 41.94         | 39.69      | 13.11      | 34.39      |

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

27/10/2019

### 5300MHz\_TX

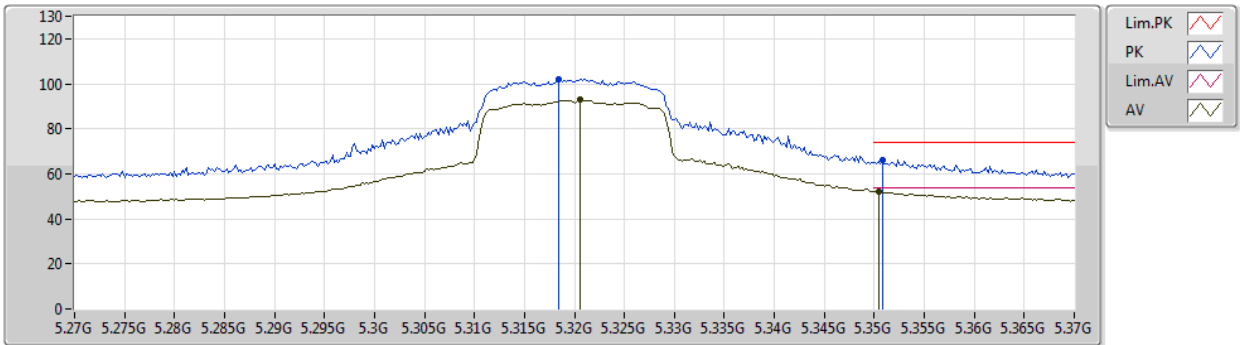


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.60318G    | 47.38             | 54.00             | -6.62          | 18.39          | 3           | Horizontal | 351            | 1.03          | -       | 28.99         | 39.68      | 13.11      | 34.40      |
| PK   | 10.61302G    | 58.26             | 74.00             | -15.74         | 18.42          | 3           | Horizontal | 351            | 1.03          | -       | 39.84         | 39.70      | 13.11      | 34.39      |

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

27/10/2019

### 5320MHz\_TX

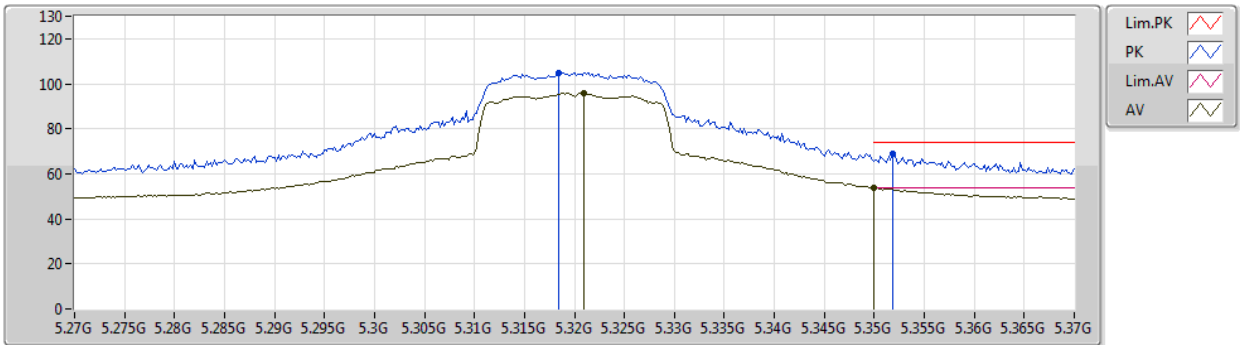


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3206G      | 93.08             | Inf               | -Inf           | 7.34           | 3           | Vertical  | 80             | 1.00          | -       | 85.74         | 31.26      | 10.14      | 34.06      |
| AV   | 5.3504G      | 52.38             | 54.00             | -1.62          | 7.45           | 3           | Vertical  | 80             | 1.00          | -       | 44.93         | 31.35      | 10.16      | 34.06      |
| PK   | 5.3184G      | 101.97            | Inf               | -Inf           | 7.34           | 3           | Vertical  | 80             | 1.00          | -       | 94.63         | 31.26      | 10.14      | 34.06      |
| PK   | 5.3508G      | 66.33             | 74.00             | -7.67          | 7.45           | 3           | Vertical  | 80             | 1.00          | -       | 58.88         | 31.35      | 10.16      | 34.06      |

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

27/10/2019

### 5320MHz\_TX

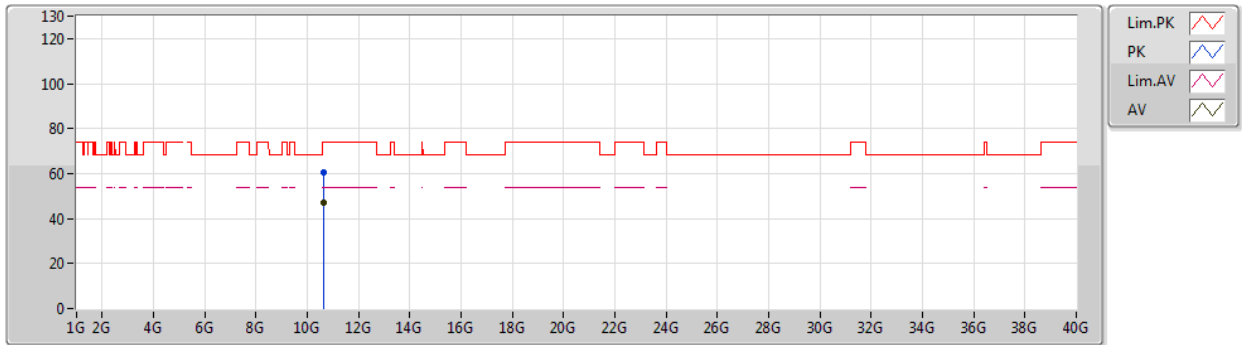


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.321G       | 95.74             | Inf               | -Inf           | 7.34           | 3           | Horizontal | 136            | 1.00          | -       | 88.40         | 31.26      | 10.14      | 34.06      |
| AV   | 5.35G        | 53.55             | 54.00             | -0.45          | 7.45           | 3           | Horizontal | 136            | 1.00          | -       | 46.10         | 31.35      | 10.16      | 34.06      |
| PK   | 5.3184G      | 104.96            | Inf               | -Inf           | 7.34           | 3           | Horizontal | 136            | 1.00          | -       | 97.62         | 31.26      | 10.14      | 34.06      |
| PK   | 5.3518G      | 68.90             | 74.00             | -5.10          | 7.46           | 3           | Horizontal | 136            | 1.00          | -       | 61.44         | 31.36      | 10.16      | 34.06      |

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

27/10/2019

### 5320MHz\_TX

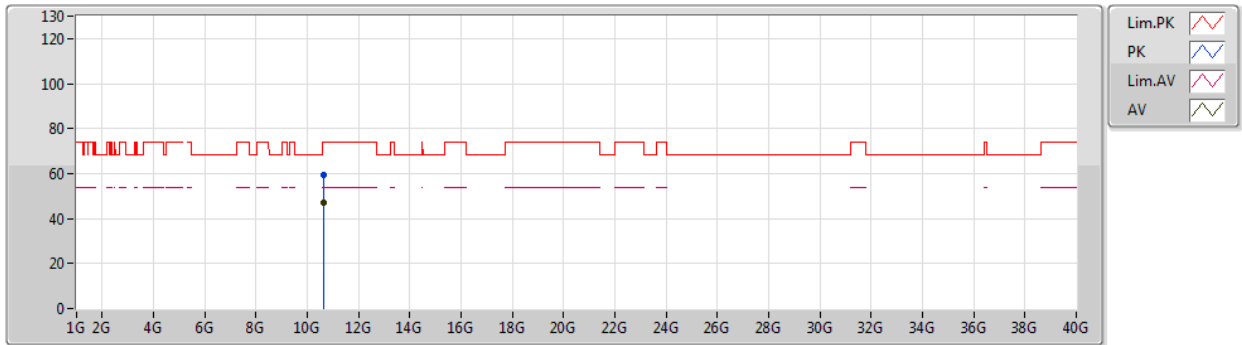


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.63688G    | 47.32             | 54.00             | -6.68          | 18.47          | 3           | Vertical  | 350            | 1.14          | -       | 28.85         | 39.73      | 13.12      | 34.38      |
| PK   | 10.64102G    | 60.39             | 74.00             | -13.61         | 18.48          | 3           | Vertical  | 350            | 1.14          | -       | 41.91         | 39.73      | 13.13      | 34.38      |

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

27/10/2019

### 5320MHz\_TX

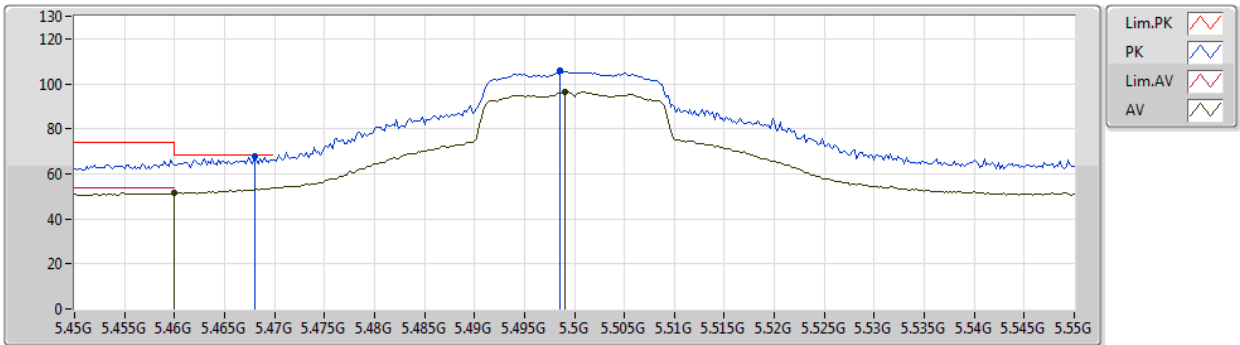


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.63796G    | 47.17             | 54.00             | -6.83          | 18.48          | 3           | Horizontal | 344            | 1.00          | -       | 28.69         | 39.73      | 13.13      | 34.38      |
| PK   | 10.63742G    | 59.44             | 74.00             | -14.56         | 18.48          | 3           | Horizontal | 344            | 1.00          | -       | 40.96         | 39.73      | 13.13      | 34.38      |

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

27/10/2019

### 5500MHz\_TX

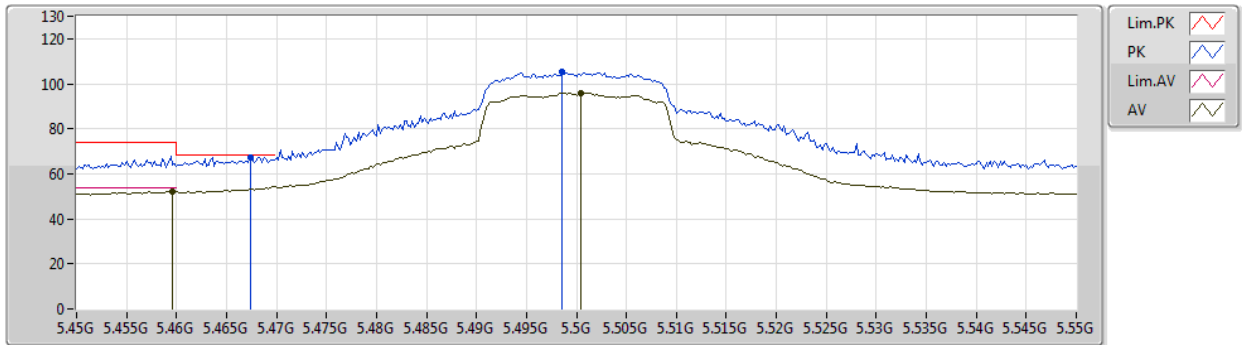


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.46G        | 51.76             | 54.00             | -2.24          | 7.81           | 3           | Vertical  | 73             | 1.00          | -       | 43.95         | 31.68      | 10.20      | 34.07      |
| AV   | 5.499G       | 96.28             | Inf               | -Inf           | 7.94           | 3           | Vertical  | 73             | 1.00          | -       | 88.34         | 31.80      | 10.21      | 34.07      |
| PK   | 5.468G       | 67.55             | 68.20             | -0.65          | 7.84           | 3           | Vertical  | 73             | 1.00          | -       | 59.71         | 31.70      | 10.21      | 34.07      |
| PK   | 5.4986G      | 105.78            | Inf               | -Inf           | 7.94           | 3           | Vertical  | 73             | 1.00          | -       | 97.84         | 31.80      | 10.21      | 34.07      |

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

27/10/2019

## 5500MHz\_TX

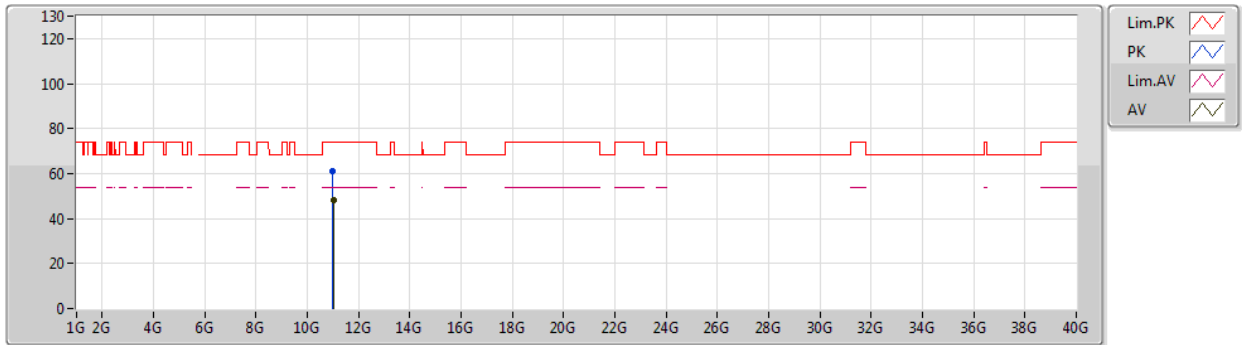


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.4596G      | 52.15             | 54.00             | -1.85          | 7.81           | 3           | Horizontal | 146            | 1.00          | -       | 44.34         | 31.68      | 10.20      | 34.07      |
| AV   | 5.5004G      | 96.01             | Inf               | -Inf           | 7.95           | 3           | Horizontal | 146            | 1.00          | -       | 88.06         | 31.80      | 10.22      | 34.07      |
| PK   | 5.4674G      | 67.43             | 68.20             | -0.77          | 7.84           | 3           | Horizontal | 146            | 1.00          | -       | 59.59         | 31.70      | 10.21      | 34.07      |
| PK   | 5.4986G      | 105.09            | Inf               | -Inf           | 7.94           | 3           | Horizontal | 146            | 1.00          | -       | 97.15         | 31.80      | 10.21      | 34.07      |

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

27/10/2019

### 5500MHz\_TX

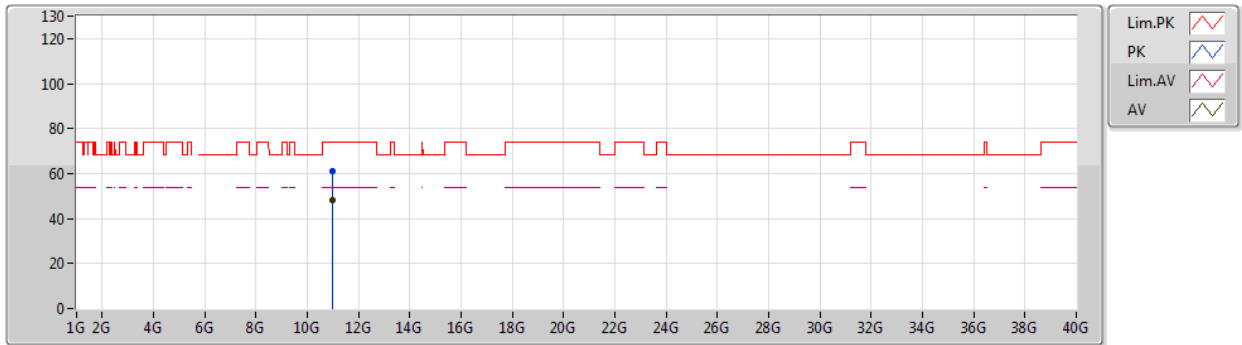


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.01296G    | 48.12             | 54.00             | -5.88          | 19.36          | 3           | Vertical  | 54             | 2.07          | -       | 28.76         | 40.18      | 13.34      | 34.16      |
| PK   | 10.98506G    | 60.89             | 74.00             | -13.11         | 19.34          | 3           | Vertical  | 54             | 2.07          | -       | 41.55         | 40.18      | 13.33      | 34.17      |

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

27/10/2019

### 5500MHz\_TX

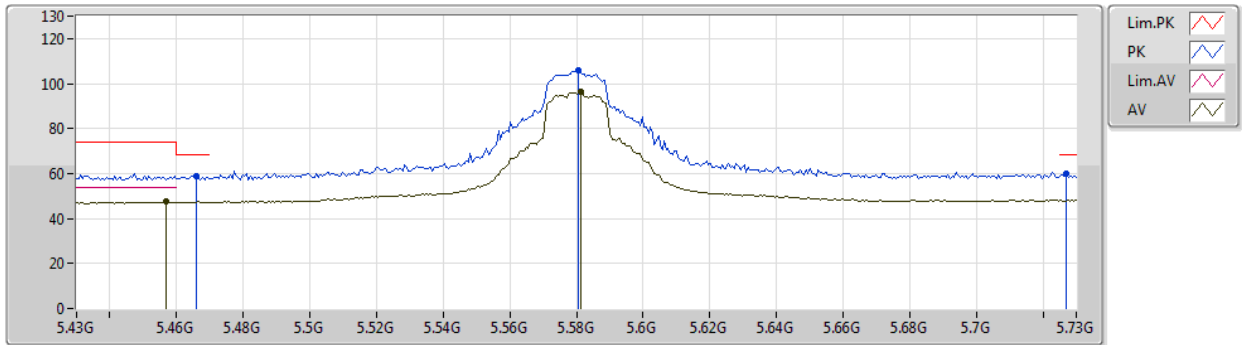


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.00576G    | 48.43             | 54.00             | -5.57          | 19.37          | 3           | Horizontal | 91             | 2.40          | -       | 29.06         | 40.19      | 13.34      | 34.16      |
| PK   | 10.99658G    | 60.88             | 74.00             | -13.12         | 19.37          | 3           | Horizontal | 91             | 2.40          | -       | 41.51         | 40.20      | 13.33      | 34.16      |

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

27/10/2019

## 5580MHz\_TX

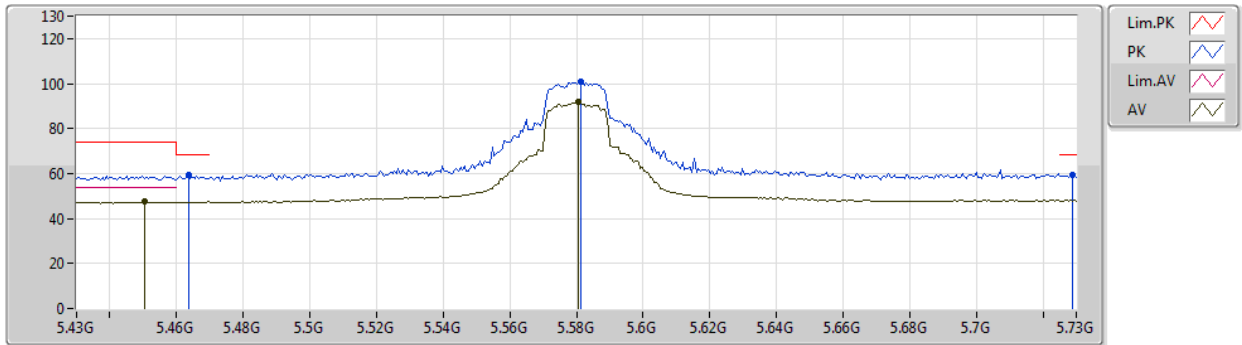


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.457G       | 47.39             | 54.00             | -6.61          | 7.80           | 3           | Vertical  | 45             | 1.00          | -       | 39.59         | 31.67      | 10.20      | 34.07      |
| AV   | 5.5812G      | 96.18             | Inf               | -Inf           | 7.81           | 3           | Vertical  | 45             | 1.00          | -       | 88.37         | 31.64      | 10.24      | 34.07      |
| PK   | 5.466G       | 59.09             | 68.20             | -9.11          | 7.84           | 3           | Vertical  | 45             | 1.00          | -       | 51.25         | 31.70      | 10.21      | 34.07      |
| PK   | 5.5806G      | 105.64            | Inf               | -Inf           | 7.81           | 3           | Vertical  | 45             | 1.00          | -       | 97.83         | 31.64      | 10.24      | 34.07      |
| PK   | 5.727G       | 59.80             | 68.20             | -8.40          | 8.21           | 3           | Vertical  | 45             | 1.00          | -       | 51.59         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

## 5580MHz\_TX

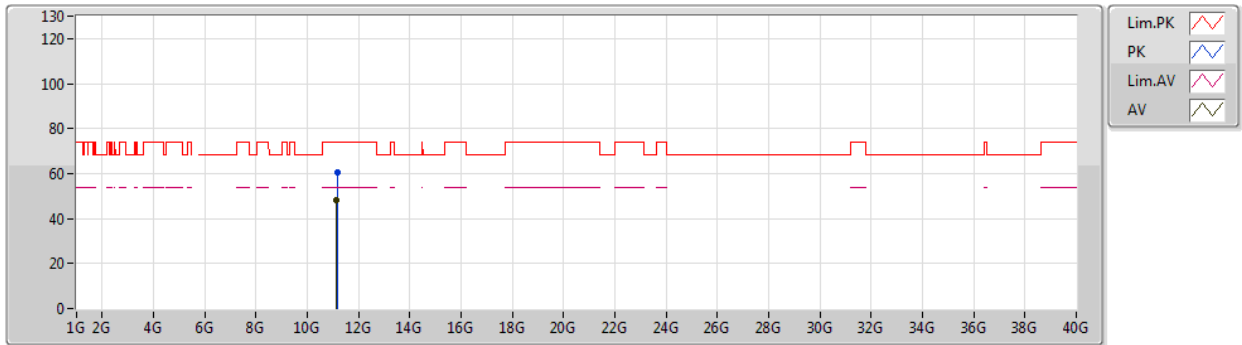


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.4504G      | 47.36             | 54.00             | -6.64          | 7.78           | 3           | Horizontal | 25             | 2.62          | -       | 39.58         | 31.65      | 10.20      | 34.07      |
| AV   | 5.5806G      | 91.95             | Inf               | -Inf           | 7.81           | 3           | Horizontal | 25             | 2.62          | -       | 84.14         | 31.64      | 10.24      | 34.07      |
| PK   | 5.4636G      | 59.34             | 68.20             | -8.86          | 7.82           | 3           | Horizontal | 25             | 2.62          | -       | 51.52         | 31.69      | 10.20      | 34.07      |
| PK   | 5.5812G      | 100.95            | Inf               | -Inf           | 7.81           | 3           | Horizontal | 25             | 2.62          | -       | 93.14         | 31.64      | 10.24      | 34.07      |
| PK   | 5.7288G      | 59.64             | 68.20             | -8.56          | 8.22           | 3           | Horizontal | 25             | 2.62          | -       | 51.42         | 31.89      | 10.40      | 34.07      |

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

27/10/2019

### 5580MHz\_TX

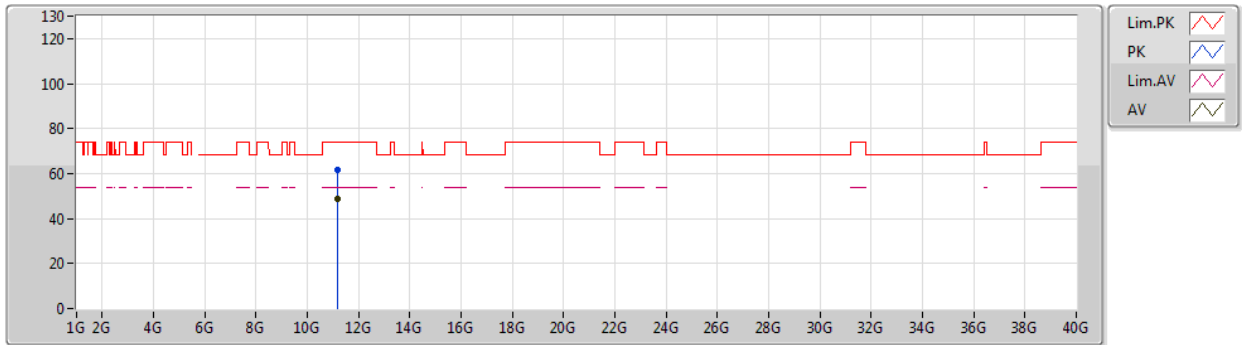


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.15358G    | 48.01             | 54.00             | -5.99          | 19.25          | 3           | Vertical  | 359            | 1.45          | -       | 28.76         | 40.00      | 13.42      | 34.17      |
| PK   | 11.15664G    | 60.51             | 74.00             | -13.49         | 19.26          | 3           | Vertical  | 359            | 1.45          | -       | 41.25         | 40.00      | 13.43      | 34.17      |

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

27/10/2019

### 5580MHz\_TX

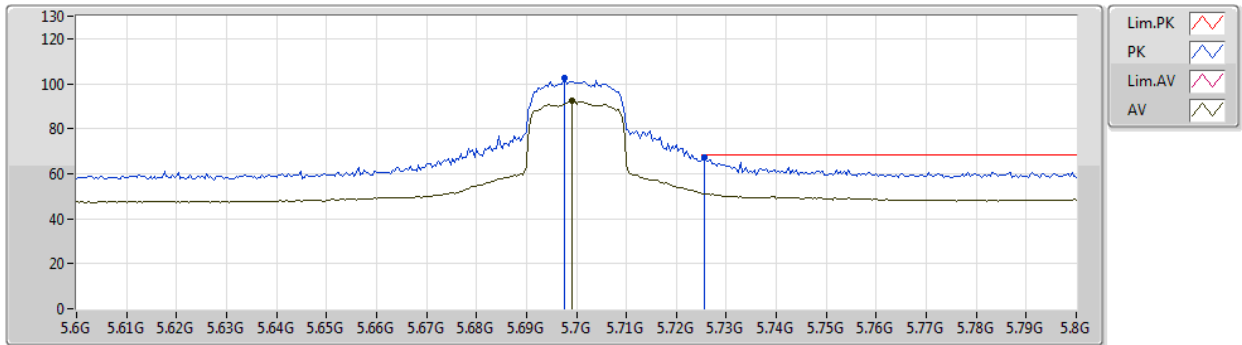


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.15982G    | 48.55             | 54.00             | -5.45          | 19.25          | 3           | Horizontal | 45             | 1.96          | -       | 29.30         | 39.99      | 13.43      | 34.17      |
| PK   | 11.16384G    | 61.37             | 74.00             | -12.63         | 19.25          | 3           | Horizontal | 45             | 1.96          | -       | 42.12         | 39.99      | 13.43      | 34.17      |

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

27/10/2019

## 5700MHz\_TX

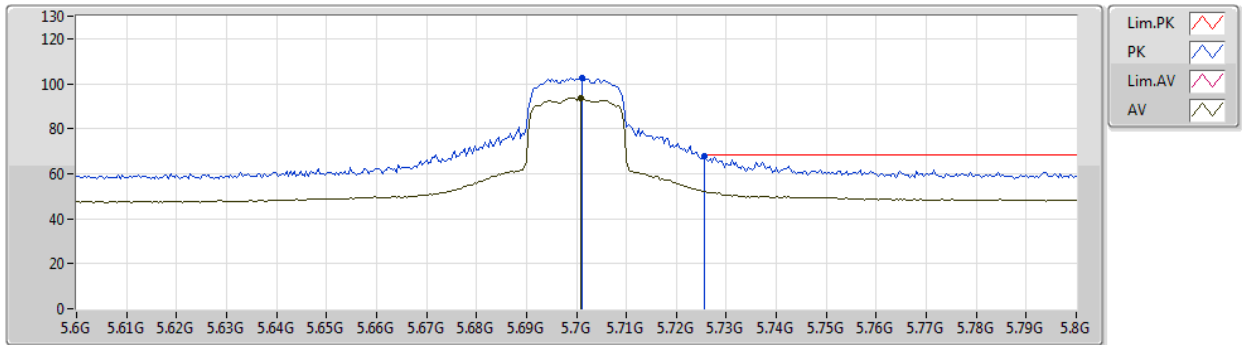


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.6992G      | 92.38             | Inf               | -Inf           | 8.09           | 3           | Vertical  | 37             | 1.00          | -       | 84.29         | 31.80      | 10.36      | 34.07      |
| PK   | 5.6976G      | 102.37            | Inf               | -Inf           | 8.09           | 3           | Vertical  | 37             | 1.00          | -       | 94.28         | 31.80      | 10.36      | 34.07      |
| PK   | 5.7256G      | 66.98             | 68.20             | -1.22          | 8.21           | 3           | Vertical  | 37             | 1.00          | -       | 58.77         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

## 5700MHz\_TX

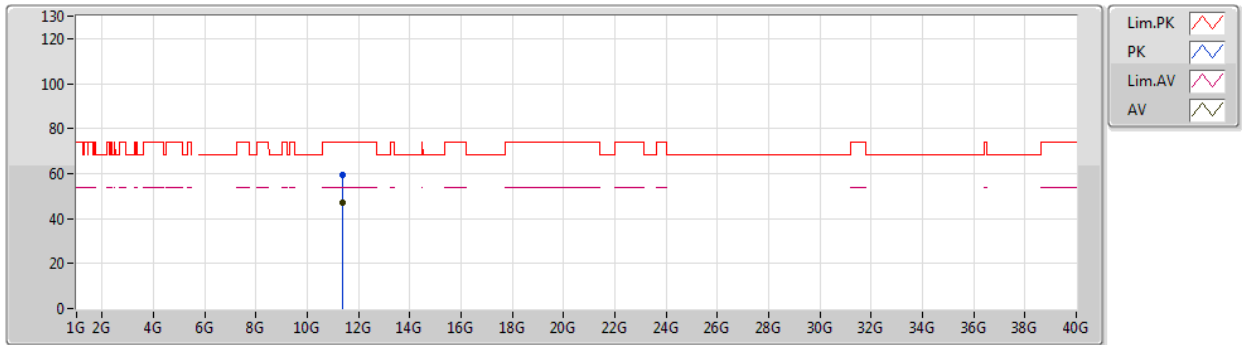


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.7008G      | 93.79             | Inf               | -Inf           | 8.10           | 3           | Horizontal | 142            | 1.00          | -       | 85.69         | 31.80      | 10.37      | 34.07      |
| PK   | 5.7012G      | 102.31            | Inf               | -Inf           | 8.10           | 3           | Horizontal | 142            | 1.00          | -       | 94.21         | 31.80      | 10.37      | 34.07      |
| PK   | 5.7256G      | 67.85             | 68.20             | -0.35          | 8.21           | 3           | Horizontal | 142            | 1.00          | -       | 59.64         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

## 5700MHz\_TX

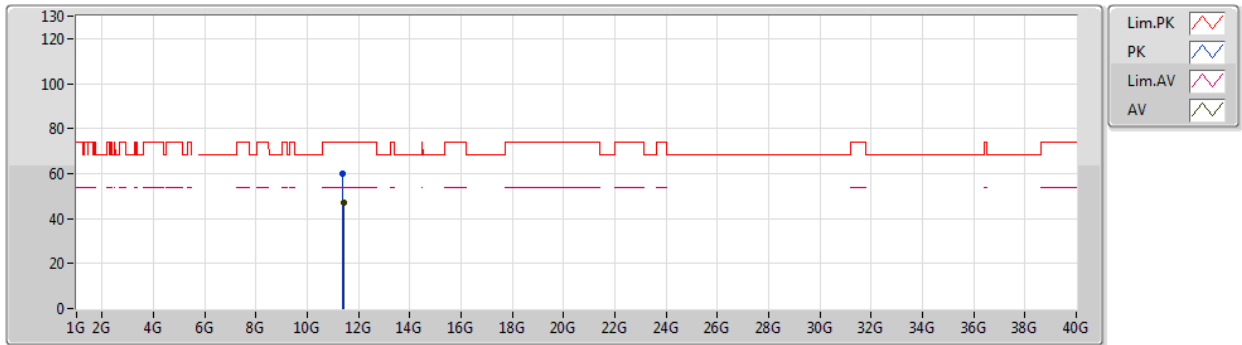


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.3946G     | 47.24             | 54.00             | -6.76          | 19.07          | 3           | Vertical  | 307            | 1.00          | -       | 28.17         | 39.69      | 13.56      | 34.18      |
| PK   | 11.38926G    | 59.62             | 74.00             | -14.38         | 19.07          | 3           | Vertical  | 307            | 1.00          | -       | 40.55         | 39.69      | 13.56      | 34.18      |

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

27/10/2019

### 5700MHz\_TX

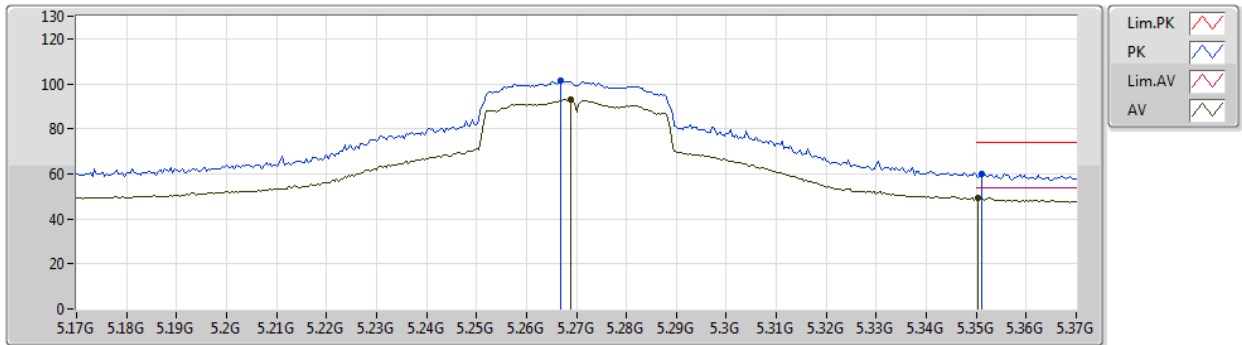


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.40552G    | 47.14             | 54.00             | -6.86          | 19.06          | 3           | Horizontal | 272            | 1.55          | -       | 28.08         | 39.67      | 13.57      | 34.18      |
| PK   | 11.3907G     | 60.11             | 74.00             | -13.89         | 19.07          | 3           | Horizontal | 272            | 1.55          | -       | 41.04         | 39.69      | 13.56      | 34.18      |

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

27/10/2019

### 5270MHz\_TX

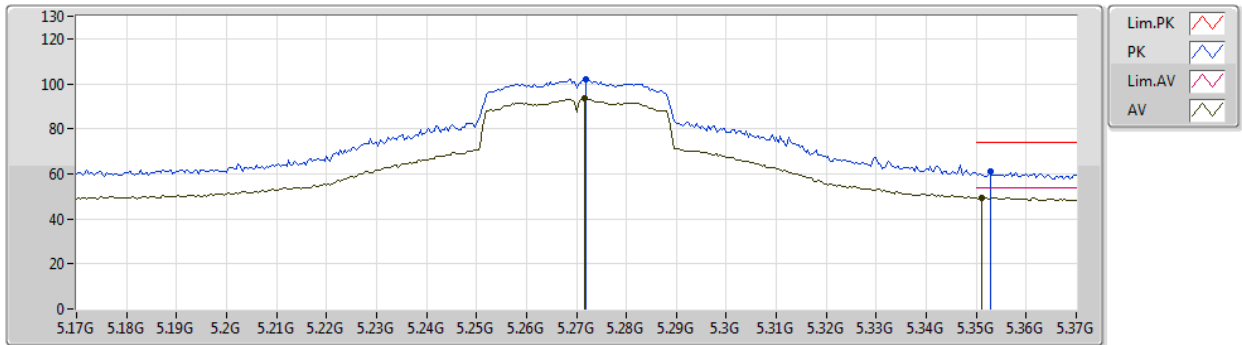


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.2688G      | 93.26             | Inf               | -Inf           | 7.38           | 3           | Vertical  | 7              | 2.55          | -       | 85.88         | 31.32      | 10.12      | 34.06      |
| AV   | 5.3504G      | 49.33             | 54.00             | -4.67          | 7.45           | 3           | Vertical  | 7              | 2.55          | -       | 41.88         | 31.35      | 10.16      | 34.06      |
| PK   | 5.2668G      | 101.24            | Inf               | -Inf           | 7.38           | 3           | Vertical  | 7              | 2.55          | -       | 93.86         | 31.33      | 10.11      | 34.06      |
| PK   | 5.3512G      | 60.18             | 74.00             | -13.82         | 7.45           | 3           | Vertical  | 7              | 2.55          | -       | 52.73         | 31.35      | 10.16      | 34.06      |

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

27/10/2019

## 5270MHz\_TX

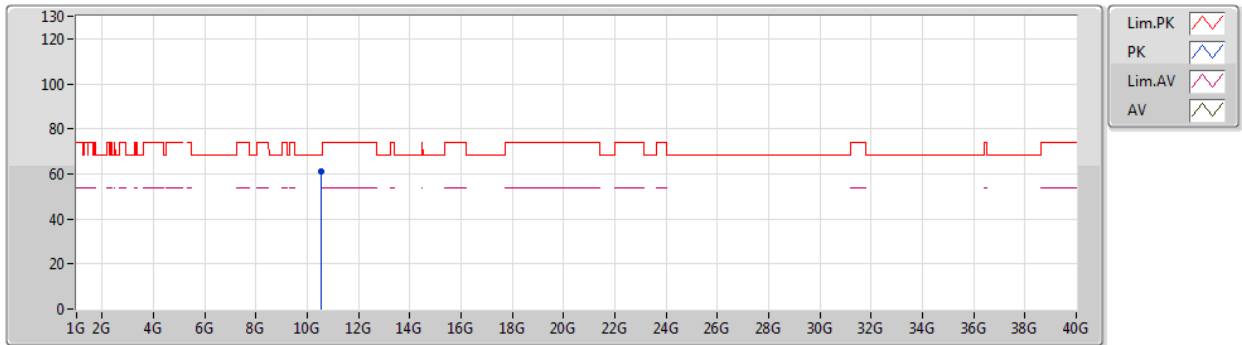


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.2716G      | 93.49             | Inf               | -Inf           | 7.37           | 3           | Horizontal | 131            | 3.00          | -       | 86.12         | 31.31      | 10.12      | 34.06      |
| AV   | 5.3512G      | 49.25             | 54.00             | -4.75          | 7.45           | 3           | Horizontal | 131            | 3.00          | -       | 41.80         | 31.35      | 10.16      | 34.06      |
| PK   | 5.272G       | 102.08            | Inf               | -Inf           | 7.37           | 3           | Horizontal | 131            | 3.00          | -       | 94.71         | 31.31      | 10.12      | 34.06      |
| PK   | 5.3528G      | 61.23             | 74.00             | -12.77         | 7.46           | 3           | Horizontal | 131            | 3.00          | -       | 53.77         | 31.36      | 10.16      | 34.06      |

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

27/10/2019

### 5270MHz\_TX

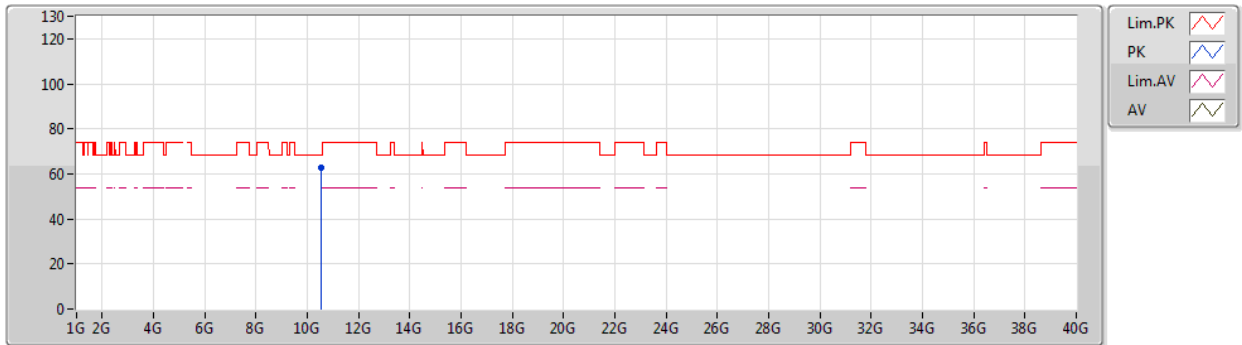


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.52662G    | 61.27             | 68.20             | -6.93          | 18.20          | 3           | Vertical  | 97             | 3.00          | -       | 43.07         | 39.58      | 13.06      | 34.44      |

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

27/10/2019

### 5270MHz\_TX

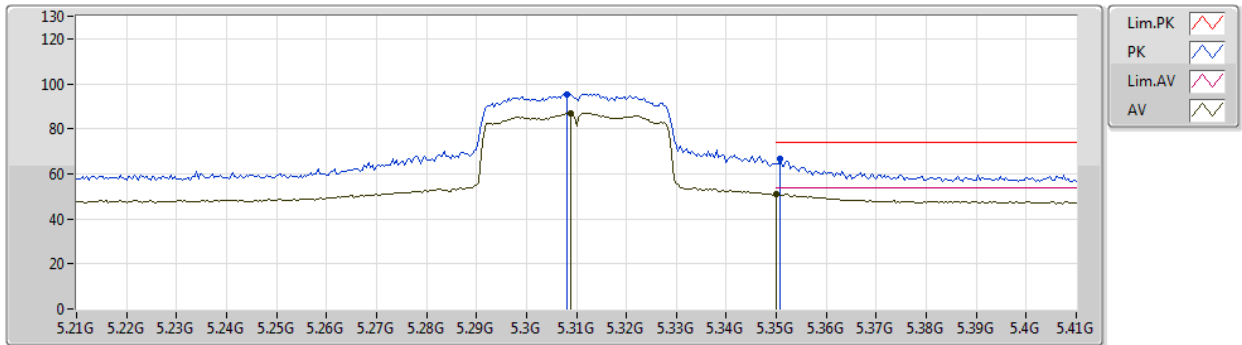


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 10.52584G    | 62.55             | 68.20             | -5.65          | 18.20          | 3           | Horizontal | 291            | 1.50          | -       | 44.35         | 39.58      | 13.06      | 34.44      |

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

06/11/2019

### 5310MHz\_TX

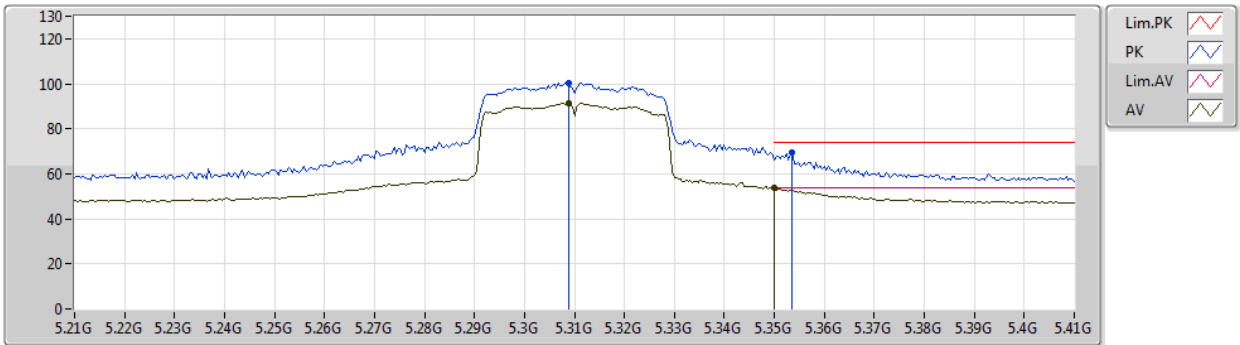


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3088G      | 87.08             | Inf               | -Inf           | 7.31           | 3           | Vertical  | 20             | 1.00          | -       | 79.77         | 31.23      | 10.14      | 34.06      |
| AV   | 5.35G        | 50.98             | 54.00             | -3.02          | 7.45           | 3           | Vertical  | 20             | 1.00          | -       | 43.53         | 31.35      | 10.16      | 34.06      |
| PK   | 5.308G       | 95.48             | Inf               | -Inf           | 7.30           | 3           | Vertical  | 20             | 1.00          | -       | 88.18         | 31.22      | 10.14      | 34.06      |
| PK   | 5.3508G      | 66.54             | 74.00             | -7.46          | 7.45           | 3           | Vertical  | 20             | 1.00          | -       | 59.09         | 31.35      | 10.16      | 34.06      |

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

06/11/2019

### 5310MHz\_TX

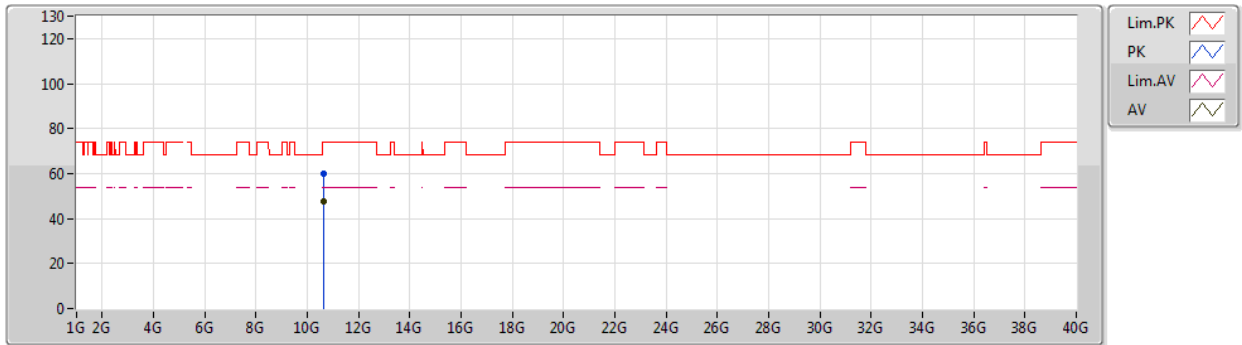


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.3088G      | 91.37             | Inf               | -Inf           | 7.31           | 3           | Horizontal | 126            | 1.00          | -       | 84.06         | 31.23      | 10.14      | 34.06      |
| AV   | 5.35G        | 53.70             | 54.00             | -0.30          | 7.45           | 3           | Horizontal | 126            | 1.00          | -       | 46.25         | 31.35      | 10.16      | 34.06      |
| PK   | 5.3088G      | 100.58            | Inf               | -Inf           | 7.31           | 3           | Horizontal | 126            | 1.00          | -       | 93.27         | 31.23      | 10.14      | 34.06      |
| PK   | 5.3536G      | 69.21             | 74.00             | -4.79          | 7.46           | 3           | Horizontal | 126            | 1.00          | -       | 61.75         | 31.36      | 10.16      | 34.06      |

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

06/11/2019

### 5310MHz\_TX

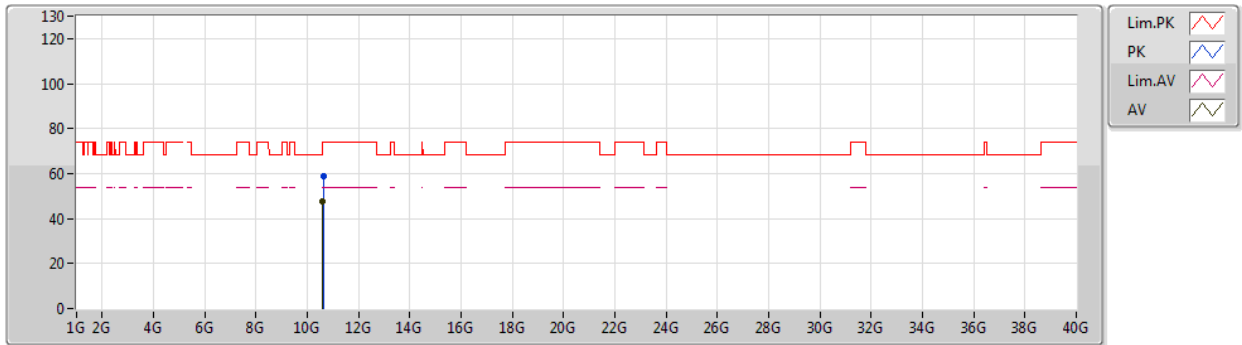


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.62648G    | 47.64             | 54.00             | -6.36          | 18.45          | 3           | Vertical  | 0              | 1.77          | -       | 29.19         | 39.71      | 13.12      | 34.38      |
| PK   | 10.62522G    | 59.93             | 74.00             | -14.07         | 18.45          | 3           | Vertical  | 0              | 1.77          | -       | 41.48         | 39.71      | 13.12      | 34.38      |

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

06/11/2019

## 5310MHz\_TX

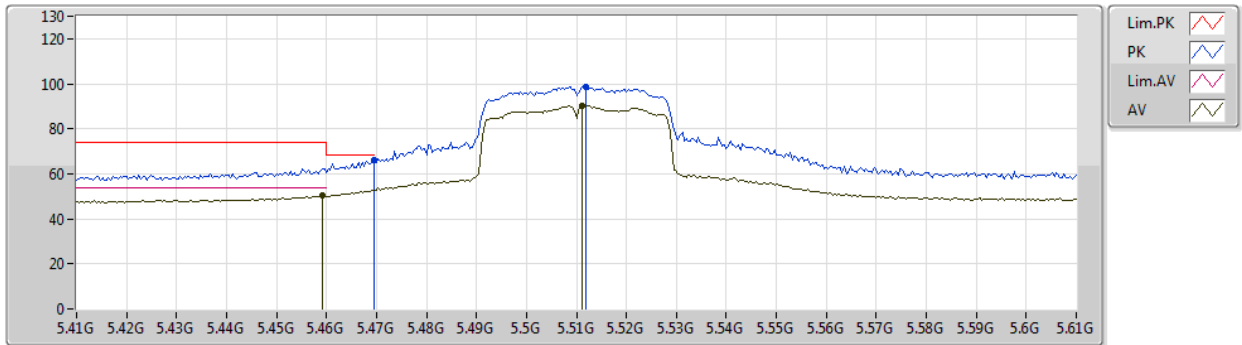


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 10.61094G    | 47.59             | 54.00             | -6.41          | 18.41          | 3           | Horizontal | 185            | 1.50          | -       | 29.18         | 39.69      | 13.11      | 34.39      |
| PK   | 10.62252G    | 59.08             | 74.00             | -14.92         | 18.44          | 3           | Horizontal | 185            | 1.50          | -       | 40.64         | 39.71      | 13.12      | 34.39      |

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

27/10/2019

### 5510MHz\_TX

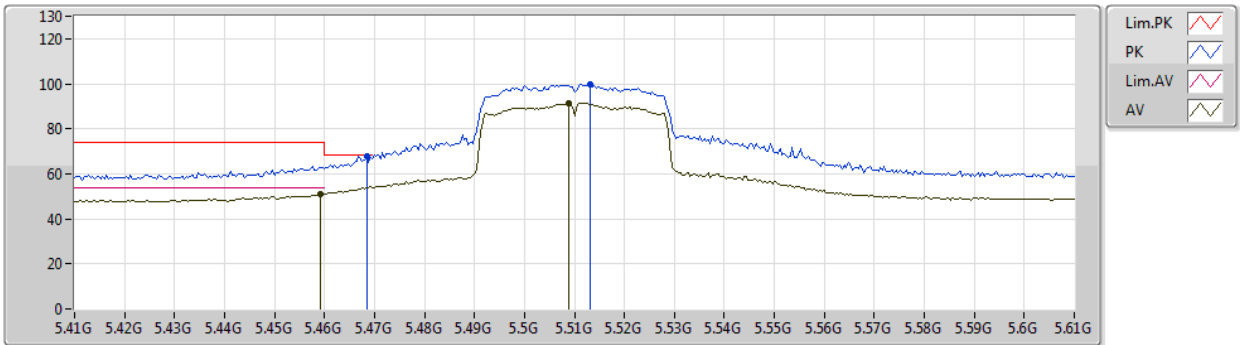


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.4592G      | 50.46             | 54.00             | -3.54          | 7.81           | 3           | Vertical  | 45             | 1.00          | -       | 42.65         | 31.68      | 10.20      | 34.07      |
| AV   | 5.5112G      | 90.22             | Inf               | -Inf           | 7.93           | 3           | Vertical  | 45             | 1.00          | -       | 82.29         | 31.78      | 10.22      | 34.07      |
| PK   | 5.4696G      | 66.35             | 68.20             | -1.85          | 7.85           | 3           | Vertical  | 45             | 1.00          | -       | 58.50         | 31.71      | 10.21      | 34.07      |
| PK   | 5.512G       | 98.68             | Inf               | -Inf           | 7.93           | 3           | Vertical  | 45             | 1.00          | -       | 90.75         | 31.78      | 10.22      | 34.07      |

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

27/10/2019

### 5510MHz\_TX

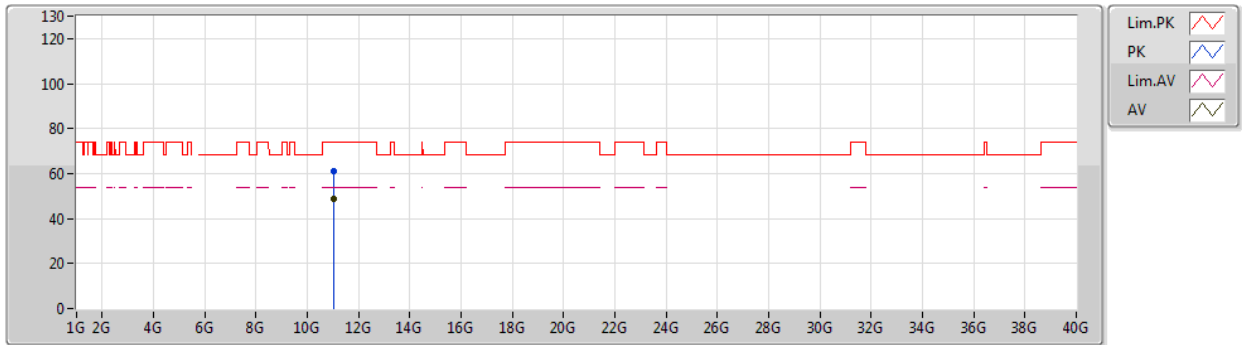


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.4592G      | 50.92             | 54.00             | -3.08          | 7.81           | 3           | Horizontal | 149            | 1.00          | -       | 43.11         | 31.68      | 10.20      | 34.07      |
| AV   | 5.5088G      | 91.54             | Inf               | -Inf           | 7.93           | 3           | Horizontal | 149            | 1.00          | -       | 83.61         | 31.78      | 10.22      | 34.07      |
| PK   | 5.4684G      | 67.90             | 68.20             | -0.30          | 7.85           | 3           | Horizontal | 149            | 1.00          | -       | 60.05         | 31.71      | 10.21      | 34.07      |
| PK   | 5.5132G      | 99.94             | Inf               | -Inf           | 7.92           | 3           | Horizontal | 149            | 1.00          | -       | 92.02         | 31.77      | 10.22      | 34.07      |

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

27/10/2019

### 5510MHz\_TX

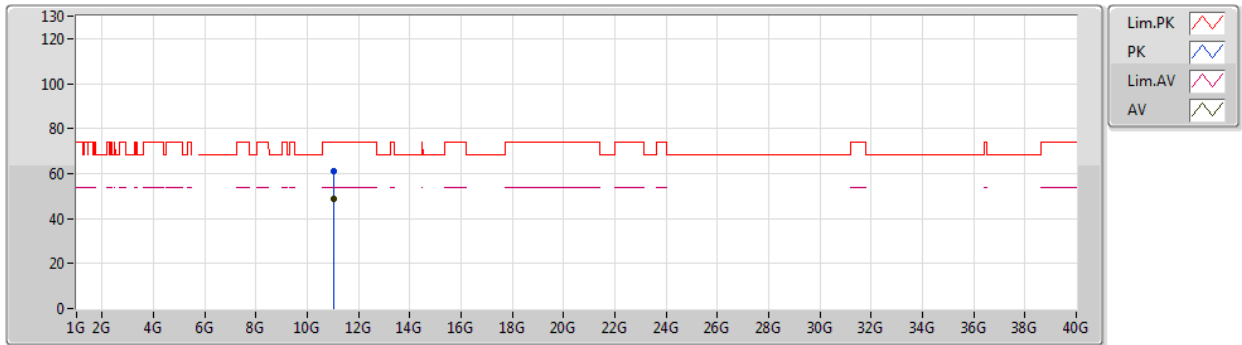


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.03206G    | 48.75             | 54.00             | -5.25          | 19.35          | 3           | Vertical  | 359            | 1.23          | -       | 29.40         | 40.16      | 13.35      | 34.16      |
| PK   | 11.0284G     | 60.81             | 74.00             | -13.19         | 19.35          | 3           | Vertical  | 359            | 1.23          | -       | 41.46         | 40.16      | 13.35      | 34.16      |

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

27/10/2019

### 5510MHz\_TX

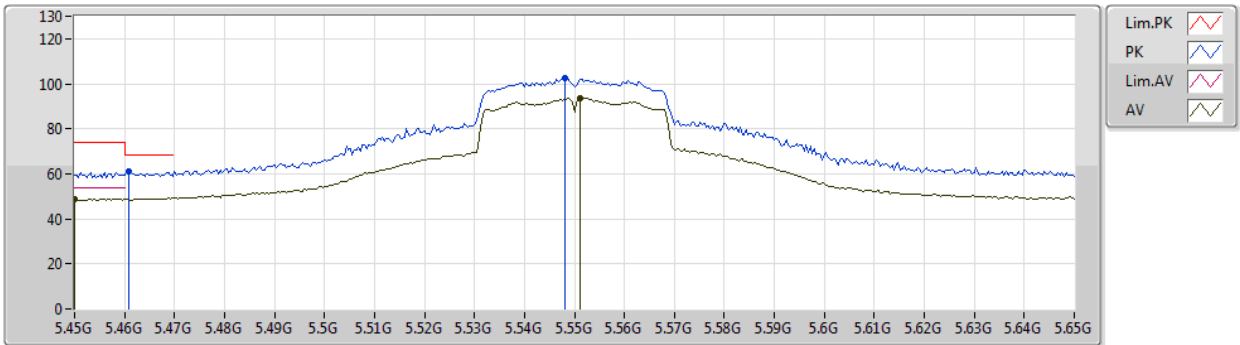


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.02888G    | 48.87             | 54.00             | -5.13          | 19.35          | 3           | Horizontal | 3              | 2.48          | -       | 29.52         | 40.16      | 13.35      | 34.16      |
| PK   | 11.01526G    | 60.89             | 74.00             | -13.11         | 19.36          | 3           | Horizontal | 3              | 2.48          | -       | 41.53         | 40.18      | 13.34      | 34.16      |

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

27/10/2019

## 5550MHz\_TX

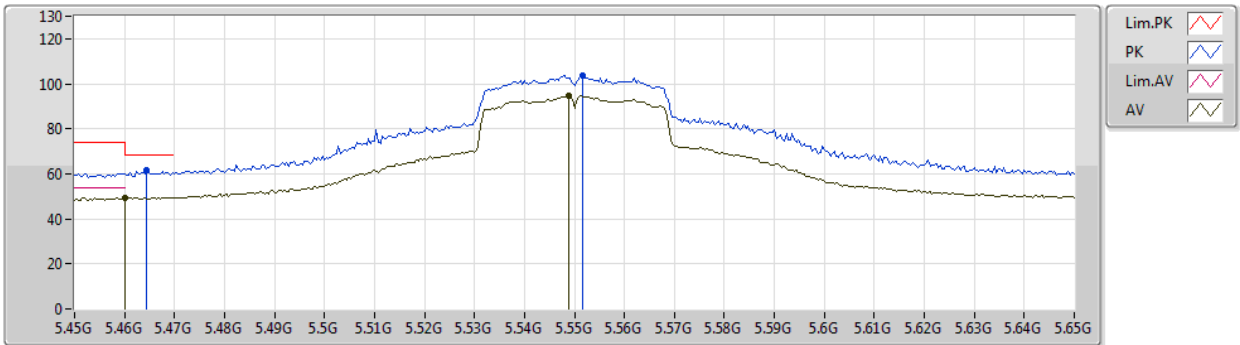


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.45G        | 48.96             | 54.00             | -5.04          | 7.79           | 3           | Vertical  | 44             | 1.00          | -       | 41.17         | 31.65      | 10.20      | 34.06      |
| AV   | 5.5512G      | 93.63             | Inf               | -Inf           | 7.86           | 3           | Vertical  | 44             | 1.00          | -       | 85.77         | 31.70      | 10.23      | 34.07      |
| PK   | 5.4608G      | 61.08             | 68.20             | -7.12          | 7.81           | 3           | Vertical  | 44             | 1.00          | -       | 53.27         | 31.68      | 10.20      | 34.07      |
| PK   | 5.548G       | 102.51            | Inf               | -Inf           | 7.86           | 3           | Vertical  | 44             | 1.00          | -       | 94.65         | 31.70      | 10.23      | 34.07      |

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

27/10/2019

## 5550MHz\_TX

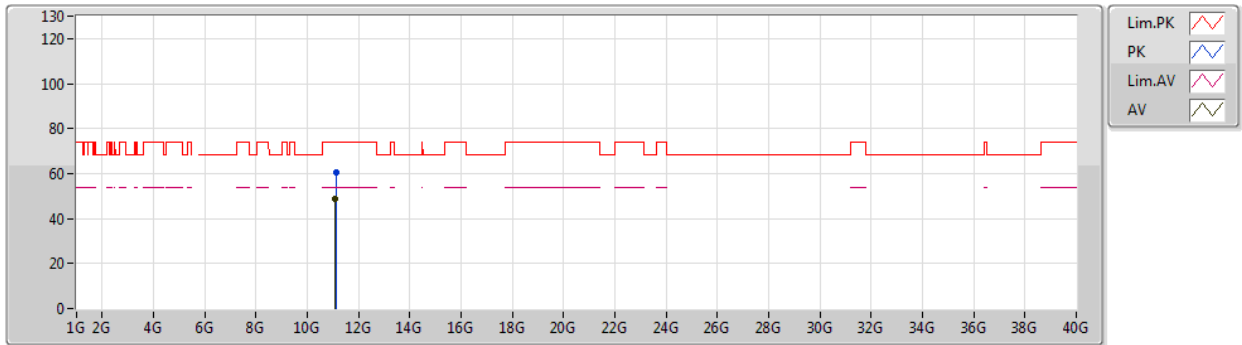


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.46G        | 49.35             | 54.00             | -4.65          | 7.81           | 3           | Horizontal | 150            | 1.04          | -       | 41.54         | 31.68      | 10.20      | 34.07      |
| AV   | 5.5488G      | 94.59             | Inf               | -Inf           | 7.86           | 3           | Horizontal | 150            | 1.04          | -       | 86.73         | 31.70      | 10.23      | 34.07      |
| PK   | 5.4644G      | 61.55             | 68.20             | -6.65          | 7.83           | 3           | Horizontal | 150            | 1.04          | -       | 53.72         | 31.69      | 10.21      | 34.07      |
| PK   | 5.5516G      | 103.64            | Inf               | -Inf           | 7.86           | 3           | Horizontal | 150            | 1.04          | -       | 95.78         | 31.70      | 10.23      | 34.07      |

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

27/10/2019

### 5550MHz\_TX

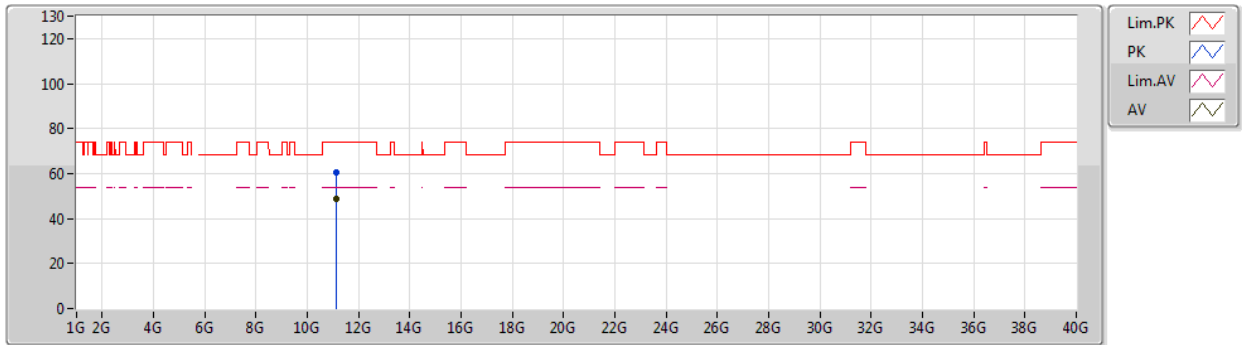


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.10324G    | 48.76             | 54.00             | -5.24          | 19.29          | 3           | Vertical  | 239            | 1.50          | -       | 29.47         | 40.07      | 13.39      | 34.17      |
| PK   | 11.11368G    | 60.69             | 74.00             | -13.31         | 19.28          | 3           | Vertical  | 239            | 1.50          | -       | 41.41         | 40.05      | 13.40      | 34.17      |

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

27/10/2019

### 5550MHz\_TX

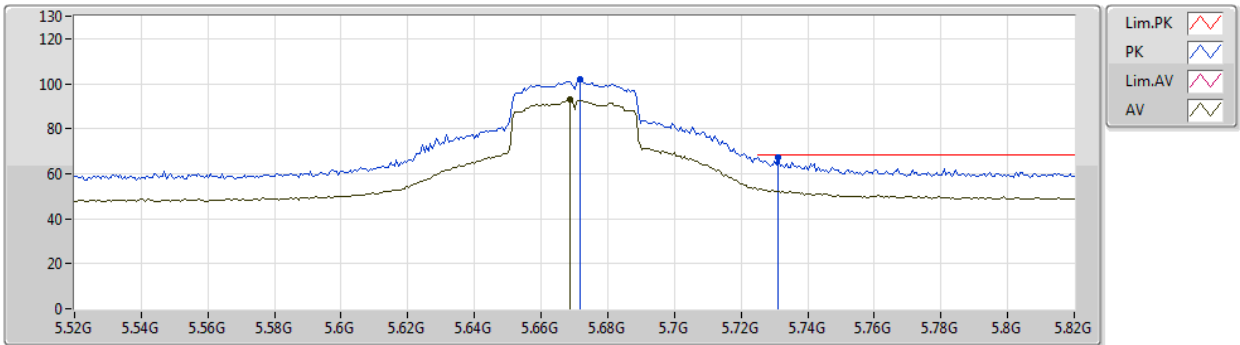


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL    | PA    |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|-------|-------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB)  | (dB)  |
| AV   | 11.11452G | 48.74    | 54.00    | -5.26  | 19.28  | 3    | Horizontal | 350     | 1.36   | -       | 29.46  | 40.05 | 13.40 | 34.17 |
| PK   | 11.10918G | 60.79    | 74.00    | -13.21 | 19.29  | 3    | Horizontal | 350     | 1.36   | -       | 41.50  | 40.06 | 13.40 | 34.17 |

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

27/10/2019

## 5670MHz\_TX

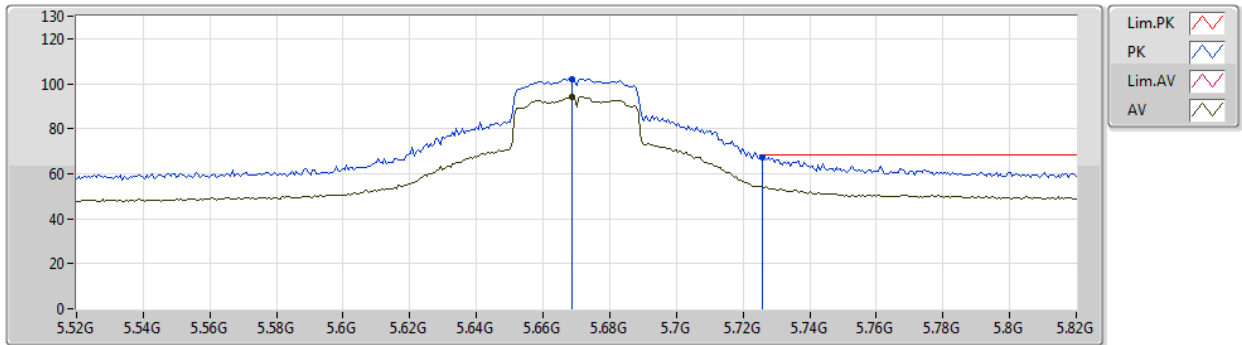


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.6688G      | 92.88             | Inf               | -Inf           | 8.00           | 3           | Vertical  | 33             | 1.01          | -       | 84.88         | 31.74      | 10.33      | 34.07      |
| PK   | 5.6718G      | 101.94            | Inf               | -Inf           | 8.00           | 3           | Vertical  | 33             | 1.01          | -       | 93.94         | 31.74      | 10.33      | 34.07      |
| PK   | 5.7312G      | 67.40             | 68.20             | -0.80          | 8.22           | 3           | Vertical  | 33             | 1.01          | -       | 59.18         | 31.89      | 10.40      | 34.07      |

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

27/10/2019

### 5670MHz\_TX

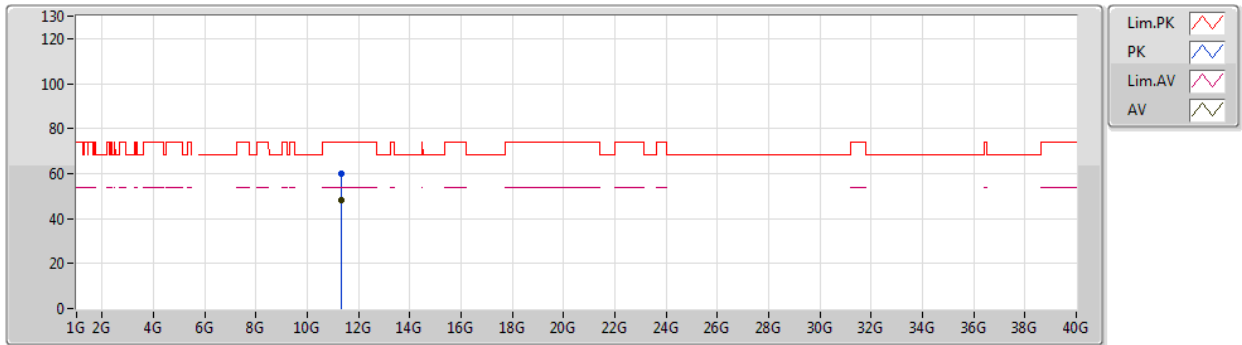


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 5.6688G      | 94.41             | Inf               | -Inf           | 8.00           | 3           | Horizontal | 149            | 1.01          | -       | 86.41         | 31.74      | 10.33      | 34.07      |
| PK   | 5.6688G      | 102.21            | Inf               | -Inf           | 8.00           | 3           | Horizontal | 149            | 1.01          | -       | 94.21         | 31.74      | 10.33      | 34.07      |
| PK   | 5.7258G      | 67.52             | 68.20             | -0.68          | 8.21           | 3           | Horizontal | 149            | 1.01          | -       | 59.31         | 31.88      | 10.40      | 34.07      |

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

27/10/2019

### 5670MHz\_TX

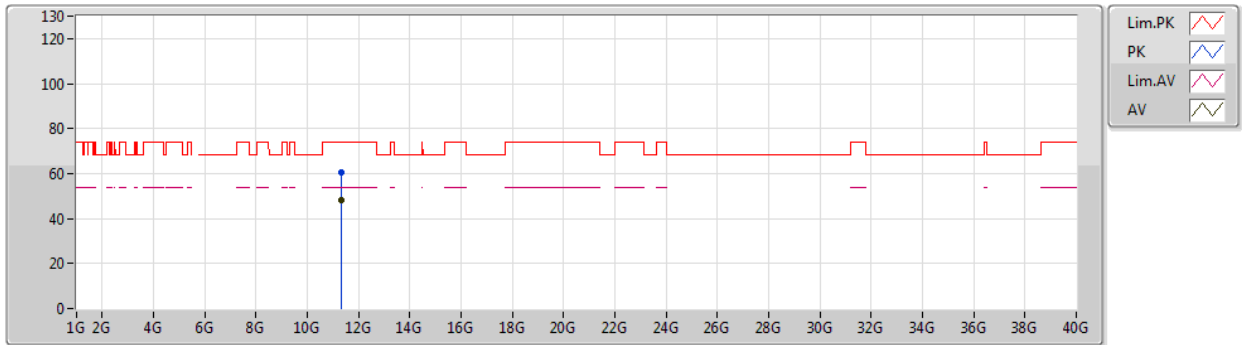


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.34196G    | 48.41             | 54.00             | -5.59          | 19.11          | 3           | Vertical  | 20             | 1.50          | -       | 29.30         | 39.76      | 13.53      | 34.18      |
| PK   | 11.34209G    | 59.82             | 74.00             | -14.18         | 19.11          | 3           | Vertical  | 20             | 1.50          | -       | 40.71         | 39.76      | 13.53      | 34.18      |

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

27/10/2019

### 5670MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 11.34162G    | 48.06             | 54.00             | -5.94          | 19.11          | 3           | Horizontal | 272            | 1.58          | -       | 28.95         | 39.76      | 13.53      | 34.18      |
| PK   | 11.34171G    | 60.32             | 74.00             | -13.68         | 19.11          | 3           | Horizontal | 272            | 1.58          | -       | 41.21         | 39.76      | 13.53      | 34.18      |