

# FCC Test Report

**Equipment** : Video Doorbell Elite  
**Brand Name** : RING  
**Model No.** : Video Doorbell Elite  
**FCC ID** : 2AEUPBHAIJB001  
**Standard** : 47 CFR FCC Part 15.407  
**Operating Band** : 5150 MHz – 5250 MHz  
5725 MHz – 5850 MHz  
**Applicant** : Bot Home Automation, Inc.  
1523 26th St, Santa Monica, CA 90404, USA  
**Manufacturer** : Chicony Electronics (Dong Guan) Co., Ltd.  
San Zhong Guan Li Qu, Qingxi Town, Dongguan City  
Guangdong 523651 China  
**Function** : ☒ Outdoor; ☐ Indoor; ☐ Fixed P2P  
☐ Client  
**TPC Function** : w/o TPC

The product sample received on Apr. 11, 2017 and completely tested on Apr. 20, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Phoenix Chen  
SPORTON INTERNATIONAL INC.



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## Summary of Test Result

| Conformance Test Specifications |                  |                                   |          |
|---------------------------------|------------------|-----------------------------------|----------|
| Report Clause                   | Ref. Std. Clause | Description                       | Result   |
| 1.1.2                           | 15.203           | Antenna Requirement               | Complied |
| 3.1                             | 15.207           | AC Power-line Conducted Emissions | Complied |
| 3.2                             | 15.407(a)        | Emission Bandwidth                | Complied |
| 3.3                             | 15.407(a)        | Maximum Conducted Output Power    | Complied |
| 3.4                             | 15.407(a)        | Peak Power Spectral Density       | Complied |
| 3.5                             | 15.407(b)        | Unwanted Emissions                | Complied |
| 3.6                             | 15.407(g)        | Frequency Stability               | Complied |



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FCC ID: 2AEUPBHAJB001

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|------------------|---------------------|----------------|
| 5150-5250             | a, n (HT20)      | 5180-5240           | 36-48 [4]      |
| 5725-5850             |                  | 5745-5825           | 149-165 [5]    |
| 5150-5250             | n (HT40)         | 5190-5230           | 38-46 [2]      |
| 5725-5850             |                  | 5755-5795           | 151-159 [2]    |

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

Note:

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

### 1.1.2 Antenna Information

| Ant. | Port | Antenna Type | Connector | Gain (dBi) |
|------|------|--------------|-----------|------------|
| 1    | 1    | PIFA Antenna | I-PEX     | 1.57       |

### 1.1.3 EUT Information

| Operational Condition               |                                                                               |                                                          |     |
|-------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------|-----|
| <b>EUT Power Type</b>               | From POE                                                                      |                                                          |     |
| <b>Beamforming Function</b>         | <input type="checkbox"/> With beamforming                                     | <input checked="" type="checkbox"/> Without beamforming  |     |
| <b>Weather Band</b>                 | <input type="checkbox"/> With 5600~5650MHz                                    | <input checked="" 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) ≥ 1/T |
|--------------|-------|---------|----------|---------------|
| 802.11a      | 0.955 | 0.2     | 2.066m   | 1k            |
| 802.11n HT20 | 0.954 | 0.205   | 1.922m   | 1k            |
| 802.11n HT40 | 0.904 | 0.438   | 945.313u | 3k            |

## 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 v01r03

## 1.3 Testing Location Information

| Testing Location                                             |        |                                                                                  |                      |
|--------------------------------------------------------------|--------|----------------------------------------------------------------------------------|----------------------|
| <input checked="" type="checkbox"/>                          | HWA YA | ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.  |                      |
|                                                              |        | TEL : 886-3-327-3456                                                             | FAX : 886-3-327-0973 |
| Test site Designation No. 553509 with FCC.                   |        |                                                                                  |                      |
| Test site registered number IC 4086B-1 with Industry Canada. |        |                                                                                  |                      |
| <input type="checkbox"/>                                     | JHUBEI | ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. |                      |
|                                                              |        | TEL : 886-3-656-9065                                                             | FAX : 886-3-656-9085 |
| Test site Designation No. TW0006 with FCC.                   |        |                                                                                  |                      |
| Test site registered number IC 4086D with Industry Canada.   |        |                                                                                  |                      |

| Test Condition | Test Site No. | Test Engineer | Test Environment | Test Date   |
|----------------|---------------|---------------|------------------|-------------|
| RF Conducted   | TH01-HY       | Ryan          | 24.5°C / 67%     | 12/Apr/2017 |
| Radiated       | 03CH02-HY     | Ryan          | 23.5°C / 65%     | 20/Apr/2017 |
| AC Conduction  | CO01-HY       | Teddy         | 24°C / 55%       | 14/Apr/2017 |

## 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)  | 3.6 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 2.1 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 2.6 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 2.9 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.3 dB      | Confidence levels of 95% |

## 2 Test Configuration of EUT

### 2.1 Test Condition

| RF Conducted    | Abbreviation | Remark |
|-----------------|--------------|--------|
| TnomVnom        | Tnom         | 20°C   |
| -               | Vnom         | 120V   |
| Freq. Stability | Abbreviation | Remark |
| 0°C             | -            | -      |
| 10°C            | -            | -      |
| 20°C            | -            | -      |
| 30°C            | -            | -      |
| 40°C            | -            | -      |
| 138V            | -            | -      |
| 120V            | -            | -      |
| 102V            | -            | -      |

### 2.2 Test Channel Mode

| Test Software | Dos |
|---------------|-----|
|---------------|-----|

| Mode                         | Power Setting |
|------------------------------|---------------|
| 802.11a_(6Mbps)_1TX          | -             |
| 5180MHz                      | 20            |
| 5200MHz                      | 20            |
| 5240MHz                      | 20            |
| 5745MHz                      | 20            |
| 5785MHz                      | 20            |
| 5825MHz                      | 20            |
| 802.11n HT20_Nss1,(MCS0)_1TX | -             |
| 5180MHz                      | 20            |
| 5200MHz                      | 20            |
| 5240MHz                      | 20            |
| 5745MHz                      | 20            |
| 5785MHz                      | 20            |
| 5825MHz                      | 20            |
| 802.11n HT40_Nss1,(MCS0)_1TX | -             |
| 5190MHz                      | 15.5          |
| 5230MHz                      | 20            |
| 5755MHz                      | 20            |
| 5795MHz                      | 20            |

## 2.3 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |                                                          |
|-----------------------------------------------------|----------------------------------------------------------|
| <b>Tests Item</b>                                   | AC power-line conducted emissions                        |
| <b>Condition</b>                                    | AC power-line conducted measurement for line and neutral |
| <b>Operating Mode</b>                               | Normal Link                                              |
| 1                                                   | PoE mode                                                 |

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

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



## 2.4 Support Equipment

| Support Equipment – RF Conducted |                 |            |                           |        |
|----------------------------------|-----------------|------------|---------------------------|--------|
| No.                              | Equipment       | Brand Name | Model Name                | FCC ID |
| 1                                | Notebook        | DELL       | E5410                     | DoC    |
| 2                                | Adapter for NB  | DELL       | HA65NM130                 | DoC    |
| 3                                | PoE             | -          | PSE3101DCG                | -      |
| 4                                | Adapter for PoE | DVE        | DSA-18CB-12 FCA<br>120150 | -      |

Note: Support equipment No.3 was provided by customer.

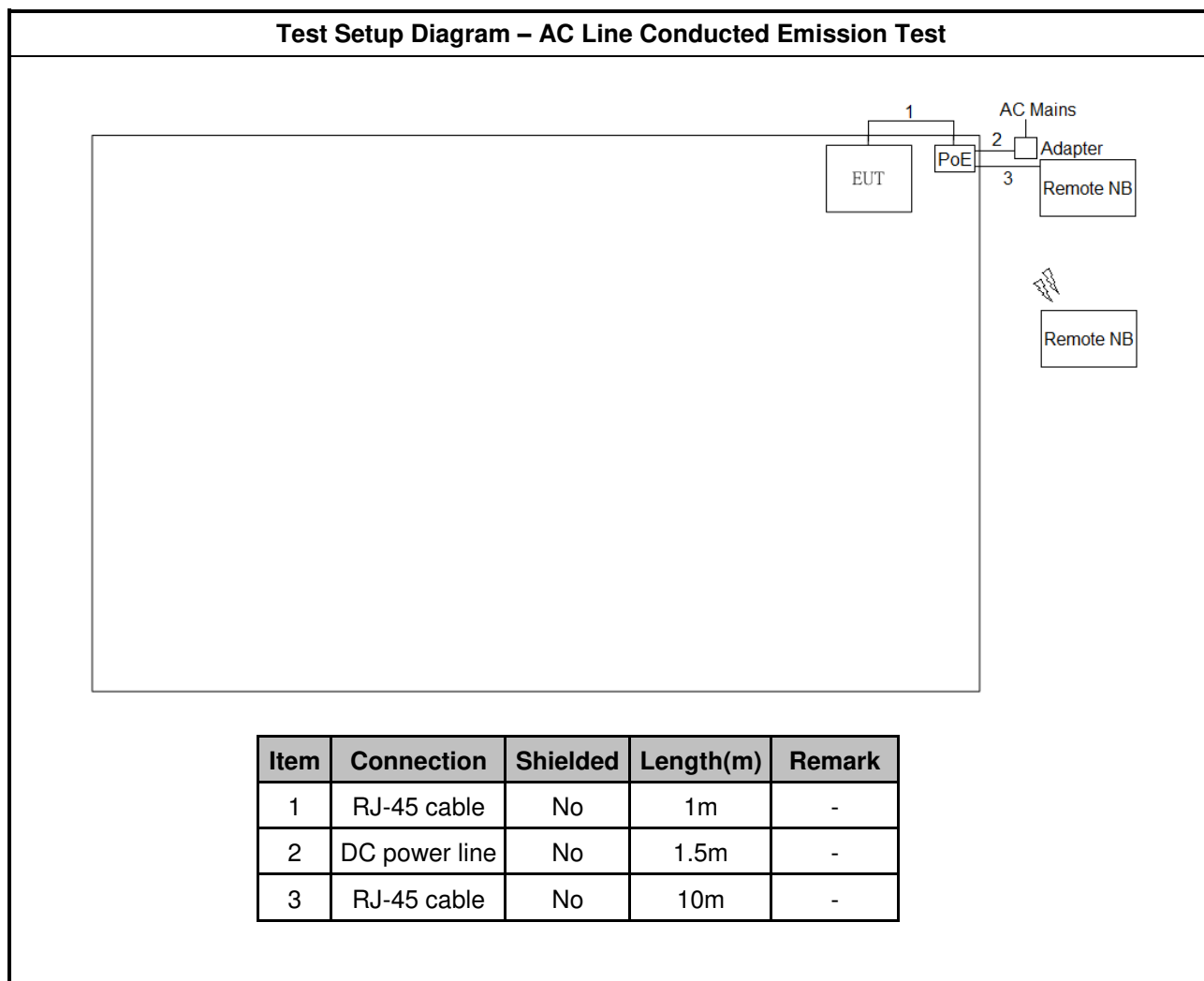
| Support Equipment – Radiated Emission |                 |            |                           |        |
|---------------------------------------|-----------------|------------|---------------------------|--------|
| No.                                   | Equipment       | Brand Name | Model Name                | FCC ID |
| 1                                     | Notebook        | DELL       | E5410                     | DOC    |
| 2                                     | PoE             | -          | PSE3101DCG                | -      |
| 3                                     | Adapter for PoE | DVE        | DSA-18CB-12 FCA<br>120150 | -      |

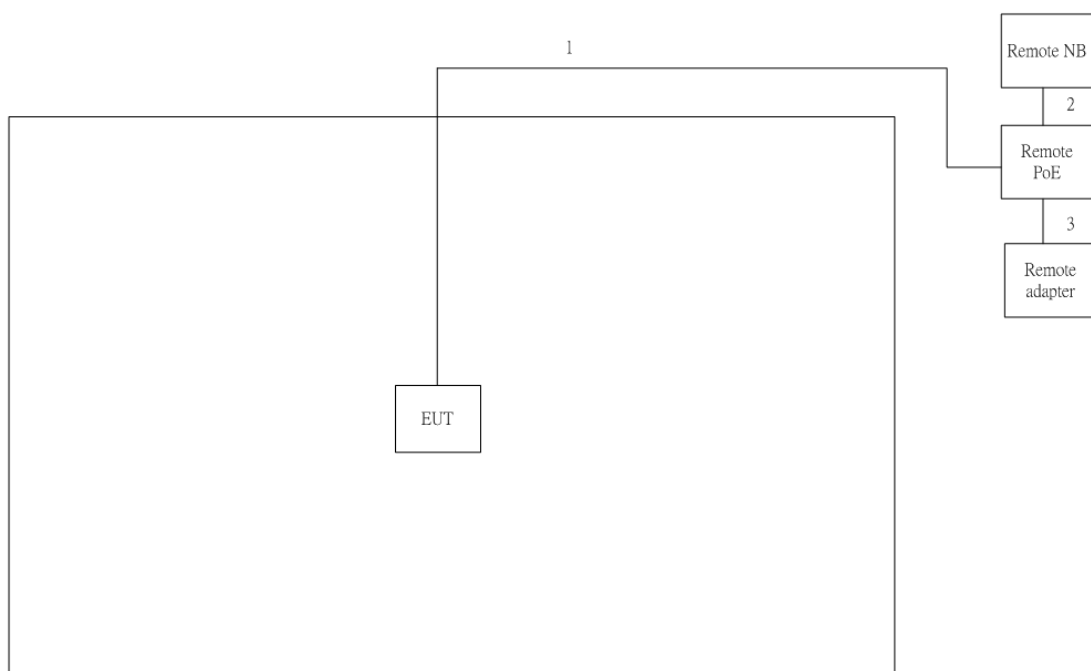
Note: Support equipment No.2 was provided by customer.

| Support Equipment – AC Conduction |                 |            |                           |        |
|-----------------------------------|-----------------|------------|---------------------------|--------|
| No.                               | Equipment       | Brand Name | Model Name                | FCC ID |
| 1                                 | PoE             | -          | PSE3101DCG                | -      |
| 2                                 | Adapter for PoE | DVE        | DSA-18CB-12 FCA<br>120150 | -      |
| 3                                 | Notebook        | DELL       | Latitude E5540            | DoC    |
| 4                                 | Notebook        | DELL       | Latitude E5540            | DoC    |

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

## 2.5 Test Setup Diagram



**Test Setup Diagram – Radiated Test < 1GHz**


| Item | Connection    | Shielded | Length(m) | Remark |
|------|---------------|----------|-----------|--------|
| 1    | RJ-45 cable   | No       | 10m       | -      |
| 2    | RJ-45 cable   | No       | 1.0m      | -      |
| 3    | DC power line | No       | 1.5m      | -      |

### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

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

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

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

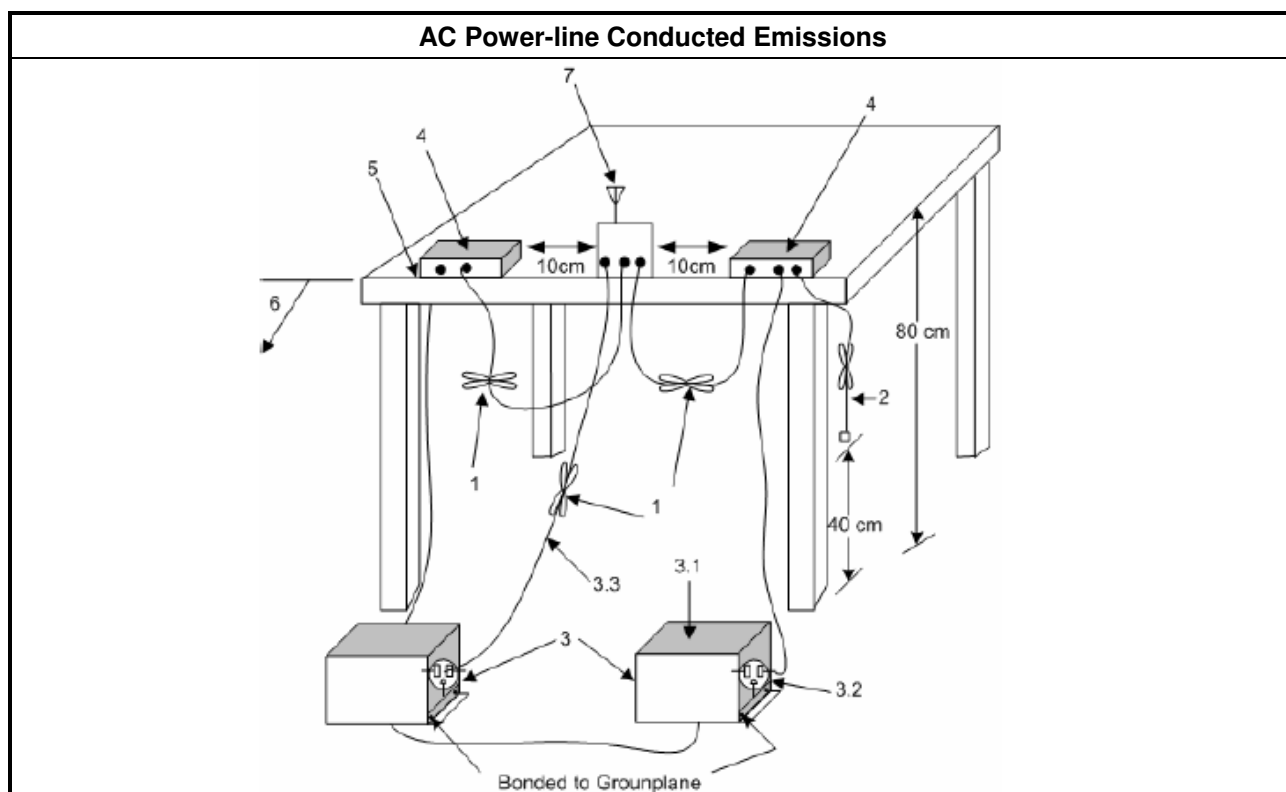
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

##### 3.1.4 Test Setup



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

Refer as Appendix A

## 3.2 Emission Bandwidth

### 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit            |                                                                                                                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                 |                                                                                                                                                                             |
| <input checked="" type="checkbox"/> | For the 5.15-5.25 GHz band, N/A                                                                                                                                             |
| <input type="checkbox"/>            | For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.  |
| <input type="checkbox"/>            | For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.                                                                                                         |

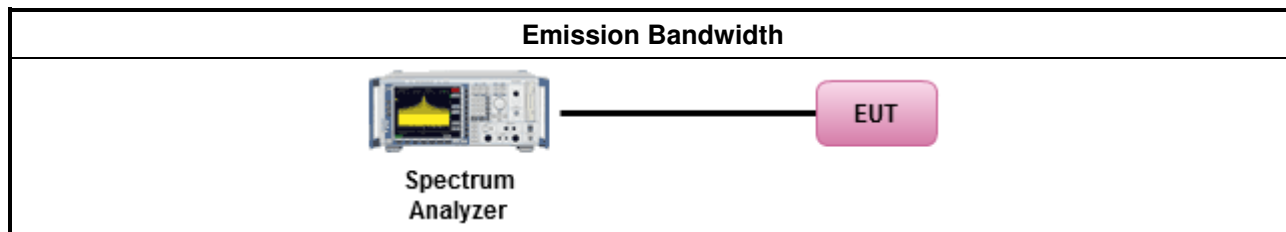
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

| Test Method                                                                                                                    |                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>For the emission bandwidth shall be measured using one of the options below:</li> </ul> |                                                                         |
| <input checked="" type="checkbox"/>                                                                                            | Refer as KDB 789033, clause C for EBW and clause D for OBW measurement. |
| <input type="checkbox"/>                                                                                                       | Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.      |
| <input checked="" type="checkbox"/>                                                                                            | Refer as IC RSS-Gen, clause 6.6 for bandwidth testing.                  |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                              | <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> </ul> |
|                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <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> </ul>                                                                                    |
|                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <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> </ul>                                                                         |
|                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li> </ul>                                                                |
| <input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .  |                                                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ . |                                                                                                                                                                                                                                                                                                                                |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                              | <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> </ul>                                                           |
|                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <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>                                                                                                                                                  |

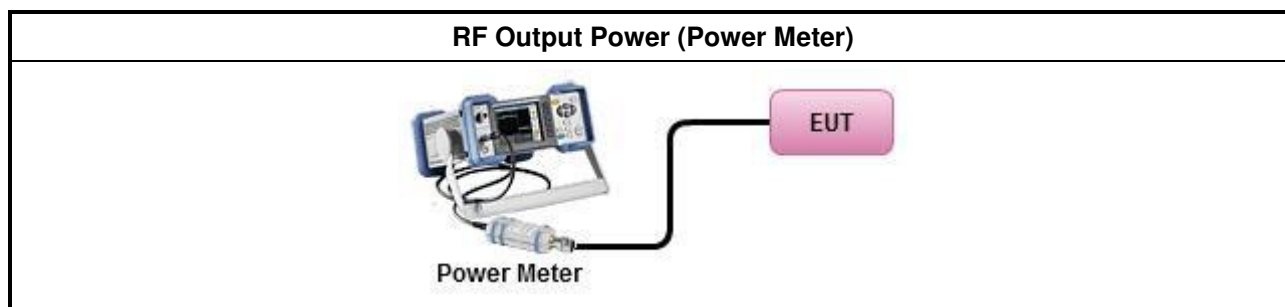
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

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

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.3.6 Test Result of max. E.I.R.P. at any elevation angle above 30 degrees.

Refer as Appendix C

### 3.4 Peak Power Spectral Density

#### 3.4.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit                                                                                                                                      |                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                    |                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                                                                        |                                                                                                                                                                                                                                             |
|                                                                                                                                                                        | <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> </ul>            |
|                                                                                                                                                                        | <ul style="list-style-type: none"> <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> </ul>             |
|                                                                                                                                                                        | <ul style="list-style-type: none"> <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> </ul>   |
|                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Mobile or Portable Client: the peak power spectral density (PPSD) <math>\leq 11</math> dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 11 - (G_{TX} - 6)</math>.</li> </ul>            |
| <input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .  |                                                                                                                                                                                                                                             |
| <input type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ . |                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:                                                                                                       |                                                                                                                                                                                                                                             |
|                                                                                                                                                                        | <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> </ul> |
|                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>                                                                                     |

#### 3.4.2 Measuring Instruments

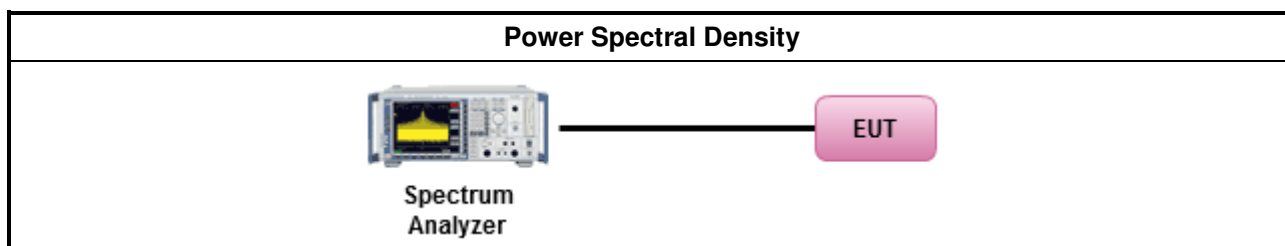
Refer a test equipment and calibration data table in this test report.



### 3.4.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ul style="list-style-type: none"> <li>Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:</li> </ul>                                                                                                                                                                                                                                                                                       |  |
| <input type="checkbox"/> Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Duty cycle ≥ 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Duty cycle < 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <input checked="" type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| <input type="checkbox"/> 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. |  |
| <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>                                                                                                                                                                                                                                                                                                                   |  |

### 3.4.4 Test Setup



### 3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

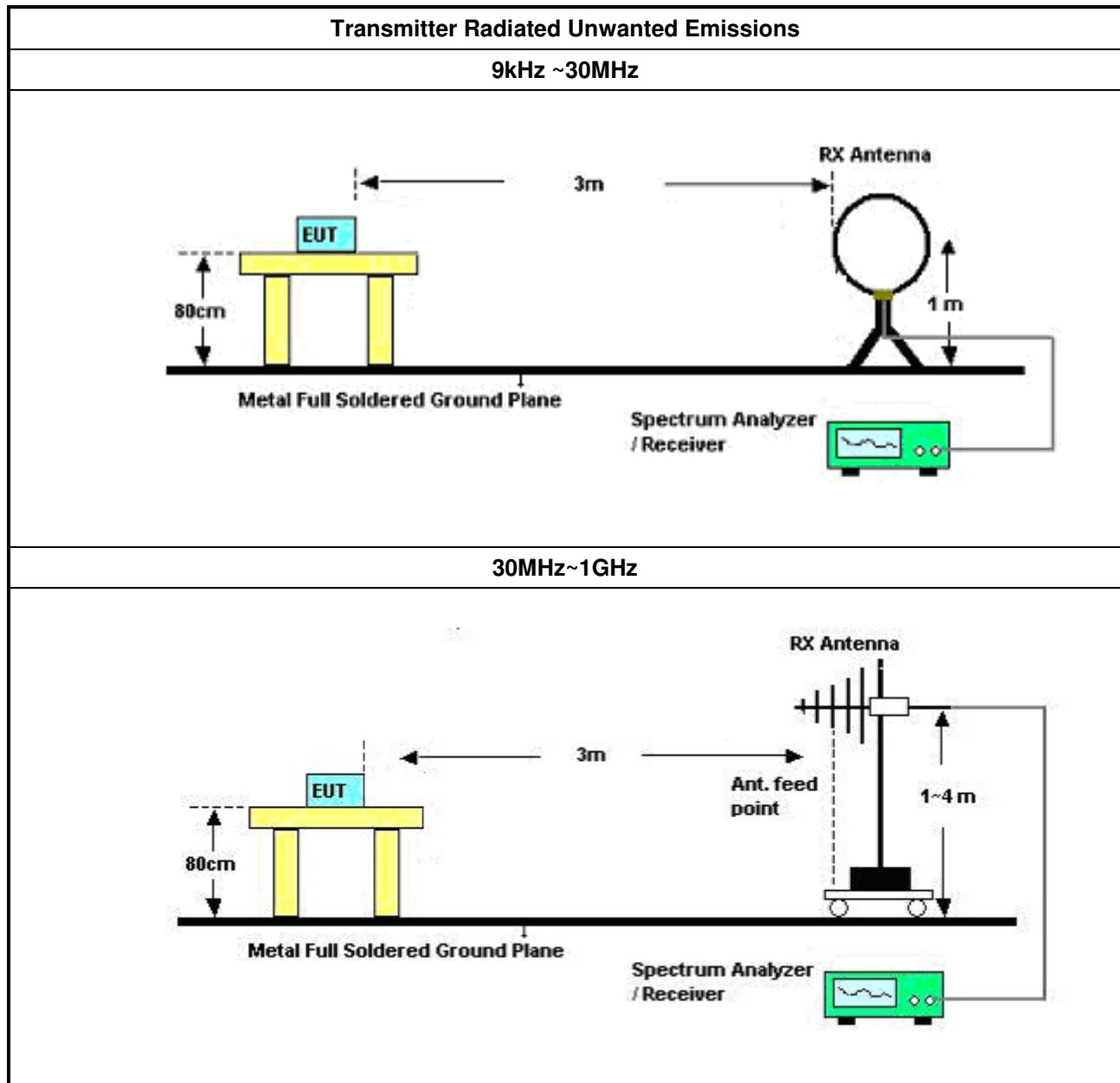
### 3.5.2 Measuring Instruments

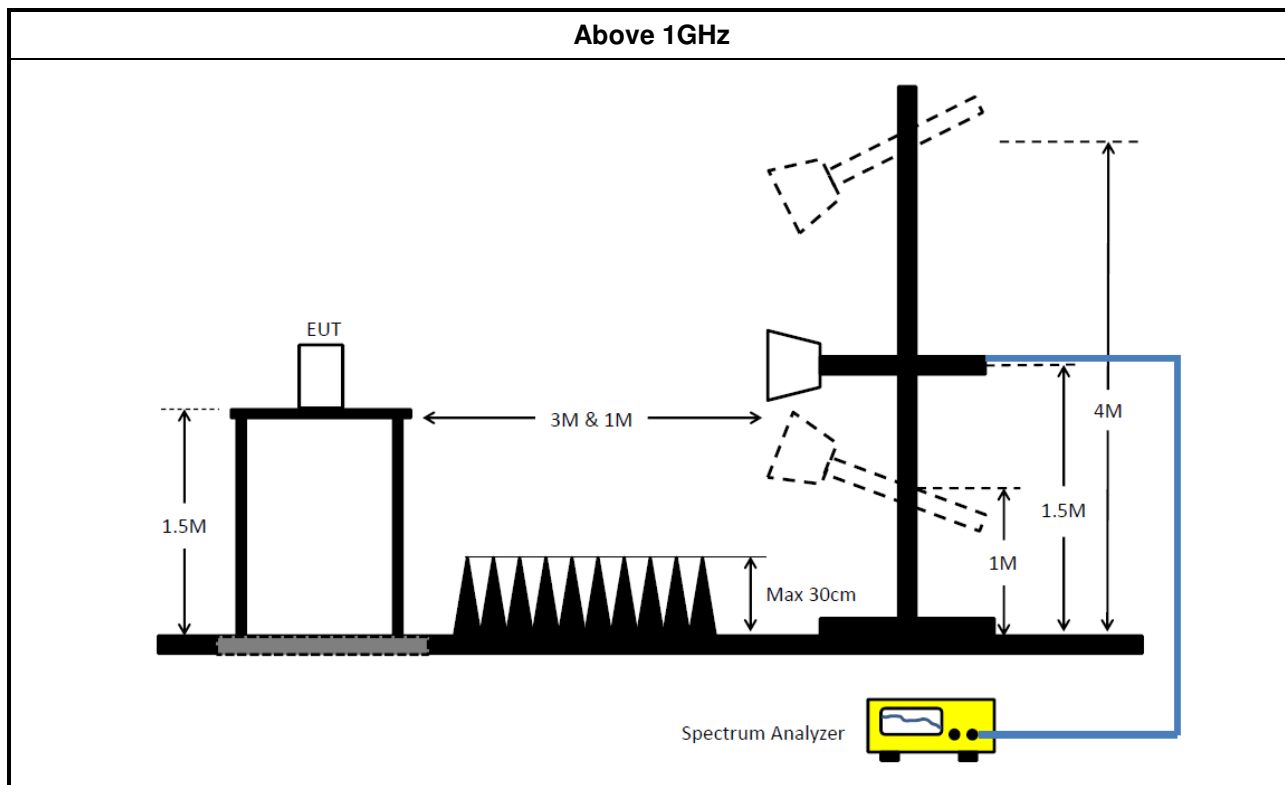
Refer a test equipment and calibration data table in this test report.

### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup





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

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

### 3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

### 3.6 Frequency Stability

#### 3.6.1 Frequency Stability Limit

| Frequency Stability Limit                                                                                                                                                                 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>UNII Devices</b>                                                                                                                                                                       |  |
| <ul style="list-style-type: none"> <li>In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.</li> </ul> |  |
| <b>LE-LAN Devices</b>                                                                                                                                                                     |  |
| <ul style="list-style-type: none"> <li>N/A</li> </ul>                                                                                                                                     |  |
| <b>IEEE Std. 802.11</b>                                                                                                                                                                   |  |
| <ul style="list-style-type: none"> <li>The transmitter center frequency tolerance shall be <math>\pm 20</math> ppm maximum for the 5 GHz band.</li> </ul>                                 |  |

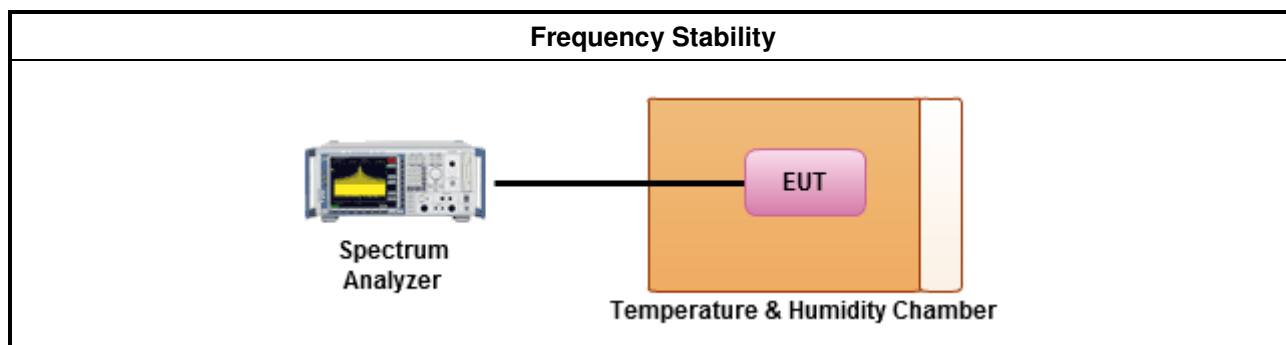
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

| Test Method                                                                                                      |                                                                                                           |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.8 for frequency stability tests</li> </ul> |                                                                                                           |
|                                                                                                                  | <ul style="list-style-type: none"> <li>Frequency stability with respect to ambient temperature</li> </ul> |
|                                                                                                                  | <ul style="list-style-type: none"> <li>Frequency stability when varying supply voltage</li> </ul>         |

#### 3.6.4 Test Setup



#### 3.6.5 Test Result of Frequency Stability

Refer as Appendix F

## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

| Instrument   | Manufacturer | Model No. | Serial No.     | Spec.           | Calibration Date | Calibration Due Date |
|--------------|--------------|-----------|----------------|-----------------|------------------|----------------------|
| EMC Receiver | R&S          | ESR3      | 102052         | 9 kHz ~ 3.6 GHz | 18/Apr/2016      | 17/Apr/2017          |
| LISN         | R&S          | ENV216    | 101295         | 9 kHz ~ 30 MHz  | 15/Nov/2016      | 14/Nov/2017          |
| RF Cable-CON | HUBER+SUHNER | RG213/U   | 07611832010001 | 9 kHz ~ 30 MHz  | 06/Mar/2017      | 05/Mar/2018          |

**NCR : Non-Calibration Require**

### Instrument for Radiated Test

| Instrument        | Manufacturer   | Model No.            | Serial No.      | Spec.             | Calibration Date | Calibration Due Date |
|-------------------|----------------|----------------------|-----------------|-------------------|------------------|----------------------|
| Spectrum Analyzer | R&S            | FSP40                | 100593          | 9 kHz ~ 40 GHz    | 26/Oct/2016      | 25/Oct/2017          |
| 3m Semi Anechoic  | SIDT FRANKONIA | SAC-3M               | 03CH02-HY       | 30 MHz-1 GHz      | 03/Jun/2016      | 02/Jun/2017          |
| 3m Semi Anechoic  | SIDT FRANKONIA | SAC-3M               | 03CH02-HY       | 1 GHz ~ 18 GHz    | 12/Dec/2016      | 11/Dec/2017          |
| Amplifier         | Agilent        | 8447D                | 2944A11149      | 100 kHz ~ 1.3 GHz | 01/Jul/2016      | 30/Jun/2017          |
| Amplifier         | Agilent        | 8449B                | 3008A02373      | 1 GHz ~ 26.5 GHz  | 02/Sep/2016      | 01/Sep/2017          |
| Horn Antenna      | SCHWARZBEC K   | BBHA9120D            | BBHA9120D 01543 | 1 GHz ~ 18 GHz    | 22/Apr/2016      | 21/Apr/2017          |
| Horn Antenna      | SCHWARZBEC K   | BBHA9170             | BBHA9170154     | 15 GHz ~ 40 GHz   | 06/Feb/2017      | 05/Feb/2018          |
| Bilog Antenna     | SCHAFFNER      | CBL6112B             | 2723            | 30 MHz ~ 1 GHz    | 01/Oct/2016      | 30/Sep/2017          |
| Amplifier         | MITEQ          | JS44-18004000-3 3-8P | 1840917         | 18 GHz ~ 40 GHz   | 01/Jun/2015      | 31/May/2017          |
| Loop Antenna      | TESEQ          | HLA 6120             | 31244           | 9 kHz ~ 30 MHz    | 02/Mar/2017      | 01/Mar/2018          |
| RF Cable-high     | SUHNER         | SUCOFLEX104          | MY34918/4       | 1 GHz ~ 40 GHz    | 26/Jan/2017      | 25/Jan/2018          |
| RF Cable-R03m     | Jye Bao        | RG142                | CB017           | 9 kHz ~ 1 GHz     | 26/Jan/2017      | 25/Jan/2018          |

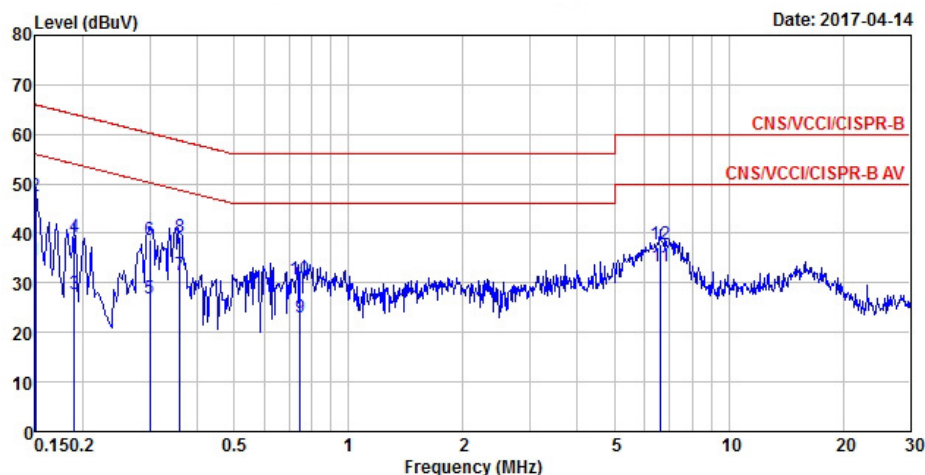
**Instrument for Conducted Test**

| Instrument                 | Manufacturer | Model No.        | Serial No.  | Spec.             | Calibration Date | Calibration Due Date |
|----------------------------|--------------|------------------|-------------|-------------------|------------------|----------------------|
| Spectrum Analyzer          | R&S          | FSV 40           | 101013      | 9 kHz ~ 40 GHz    | 30/Dec/2016      | 29/Dec/2017          |
| Power Sensor               | Anritsu      | MA2411B          | 0917017     | 300 MHz ~ 40 GHz  | 10/Feb/2017      | 09/Feb/2018          |
| Power Meter                | Anritsu      | ML2495A          | 0949003     | 300 MHz ~ 40 GHz  | 10/Feb/2017      | 09/Feb/2018          |
| Signal Generator           | R&S          | SMR40            | 100116      | 10 MHz ~ 40 GHz   | 21/Jul/2016      | 20/Jul/2017          |
| Temp. and Humidity Chamber | Giant Force  | GTH-225-20-SP-SD | MAA1112-007 | -20 ~ 100°C       | 25/Apr/2016      | 24/Apr/2017          |
| AC Power Source            | G.W          | APS-9102         | EL920581    | AC 0V ~ 300V      | 04/Jun/2016      | 03/Jun/2017          |
| RF Cable-0.2m              | HUBER+SUHNER | SUCOFLEX_104     | MY10710/4   | 30 MHz ~ 26.5 GHz | 02/Oct/2016      | 01/Oct/2017          |
| RF Cable-0.2m              | HUBER+SUHNER | SUCOFLEX_104     | MY10709/4   | 30 MHz ~ 26.5 GHz | 02/Oct/2016      | 01/Oct/2017          |
| RF Cable-0.5m              | HUBER+SUHNER | SUCOFLEX_104     | MY10713/4   | 30 MHz ~ 26.5 GHz | 02/Oct/2016      | 01/Oct/2017          |
| RF Cable-1.5m              | HUBER+SUHNER | SUCOFLEX_104     | MY12582/4   | 30 MHz ~ 26.5 GHz | 02/Oct/2016      | 01/Oct/2017          |



## AC Power-line Conducted Emissions Result

|                    |          |             |         |
|--------------------|----------|-------------|---------|
| Operating Mode     | 1        | Power Phase | Neutral |
| Operating Function | PoE Mode |             |         |

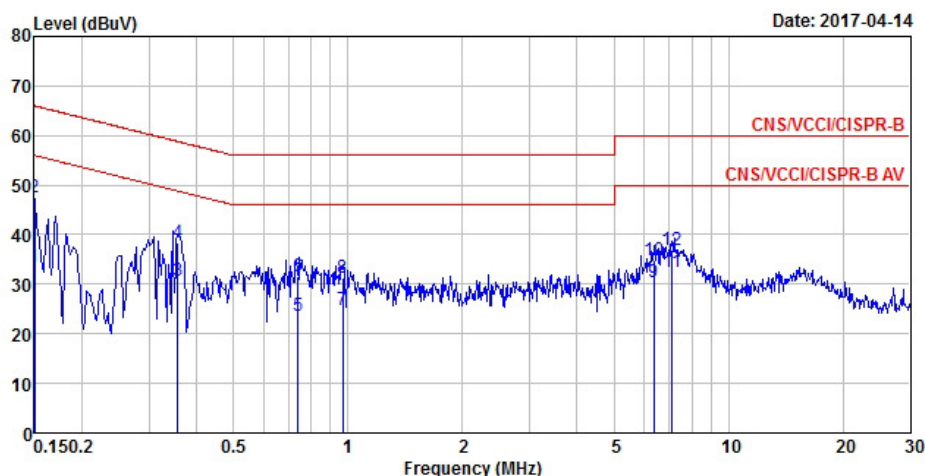


|        | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark  |
|--------|------|-------|------------|------------|------------|-------------|------------|---------|
|        | MHz  | dBuV  | dB         | dBuV       | dBuV       | dB          | dB         |         |
| 1      | 0.15 | 34.53 | -21.47     | 56.00      | 24.83      | 9.68        | 0.02       | Average |
| 2      | 0.15 | 47.65 | -18.35     | 66.00      | 37.95      | 9.68        | 0.02       | QP      |
| 3      | 0.19 | 27.71 | -26.31     | 54.02      | 18.02      | 9.67        | 0.02       | Average |
| 4      | 0.19 | 39.28 | -24.74     | 64.02      | 29.59      | 9.67        | 0.02       | QP      |
| 5      | 0.30 | 26.75 | -23.49     | 50.24      | 17.11      | 9.62        | 0.02       | Average |
| 6      | 0.30 | 38.74 | -21.50     | 60.24      | 29.10      | 9.62        | 0.02       | QP      |
| 7      | 0.36 | 31.44 | -17.30     | 48.74      | 21.83      | 9.59        | 0.02       | Average |
| 8      | 0.36 | 39.32 | -19.42     | 58.74      | 29.71      | 9.59        | 0.02       | QP      |
| 9      | 0.75 | 22.98 | -23.02     | 46.00      | 13.32      | 9.64        | 0.02       | Average |
| 10     | 0.75 | 30.67 | -25.33     | 56.00      | 21.01      | 9.64        | 0.02       | QP      |
| 11 MAX | 6.61 | 33.32 | -16.68     | 50.00      | 23.53      | 9.67        | 0.12       | Average |
| 12     | 6.61 | 37.83 | -22.17     | 60.00      | 28.04      | 9.67        | 0.12       | QP      |

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

## AC Power-line Conducted Emissions Result

|                    |          |             |      |
|--------------------|----------|-------------|------|
| Operating Mode     | 1        | Power Phase | Line |
| Operating Function | PoE Mode |             |      |



|        | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark  |
|--------|------|-------|------------|------------|------------|-------------|------------|---------|
|        | MHz  | dBuV  | dB         | dBuV       | dBuV       | dB          | dB         |         |
| 1      | 0.15 | 33.49 | -22.51     | 56.00      | 23.83      | 9.64        | 0.02       | Average |
| 2      | 0.15 | 47.54 | -18.46     | 66.00      | 37.88      | 9.64        | 0.02       | QP      |
| 3      | 0.36 | 30.69 | -18.09     | 48.78      | 21.03      | 9.64        | 0.02       | Average |
| 4      | 0.36 | 38.41 | -20.37     | 58.78      | 28.75      | 9.64        | 0.02       | QP      |
| 5      | 0.74 | 23.67 | -22.33     | 46.00      | 14.02      | 9.63        | 0.02       | Average |
| 6      | 0.74 | 31.50 | -24.50     | 56.00      | 21.85      | 9.63        | 0.02       | QP      |
| 7      | 0.97 | 24.79 | -21.21     | 46.00      | 15.14      | 9.63        | 0.02       | Average |
| 8      | 0.97 | 31.37 | -24.63     | 56.00      | 21.72      | 9.63        | 0.02       | QP      |
| 9      | 6.36 | 30.54 | -19.46     | 50.00      | 20.69      | 9.73        | 0.12       | Average |
| 10     | 6.36 | 34.98 | -25.02     | 60.00      | 25.13      | 9.73        | 0.12       | QP      |
| 11 MAX | 7.10 | 32.53 | -17.47     | 50.00      | 22.65      | 9.75        | 0.13       | Average |
| 12     | 7.10 | 36.89 | -23.11     | 60.00      | 27.01      | 9.75        | 0.13       | QP      |

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

**Summary**

| Mode                         | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11a_(6Mbps)_1TX          | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                 | 37.75M           | 16.917M         | 16M9D1D  | 36.275M          | 16.767M         |
| 5.725-5.85GHz                | 15.025M          | 17.641M         | 17M6D1D  | 14.675M          | 16.617M         |
| 802.11n HT20_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                 | 42.15M           | 17.841M         | 17M8D1D  | 38.75M           | 17.766M         |
| 5.725-5.85GHz                | 17.5M            | 18.166M         | 18M2D1D  | 15M              | 17.691M         |
| 802.11n HT40_Nss1,(MCS0)_1TX | -                | -               | -        | -                | -               |
| 5.15-5.25GHz                 | 76.9M            | 36.532M         | 36M5D1D  | 69.55M           | 36.132M         |
| 5.725-5.85GHz                | 31.35M           | 36.332M         | 36M3D1D  | 31.3M            | 36.182M         |

**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;

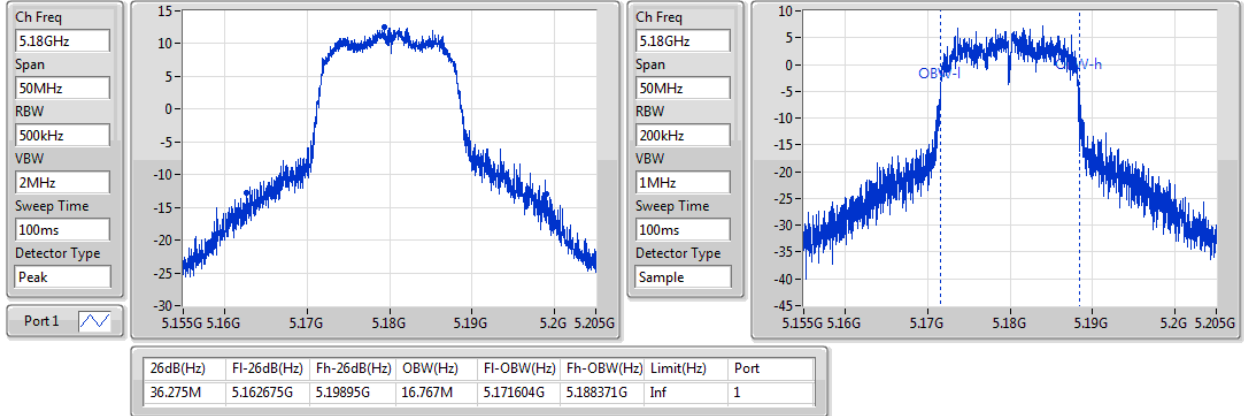
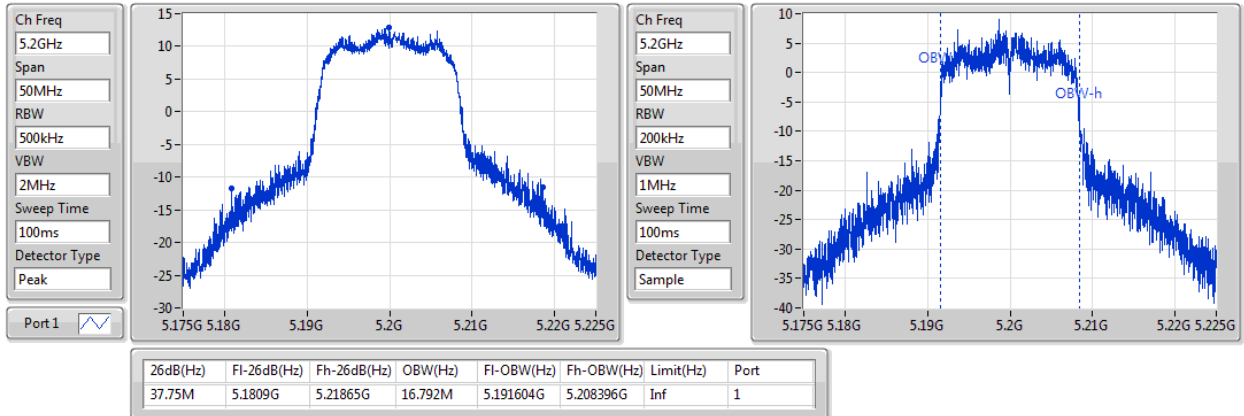
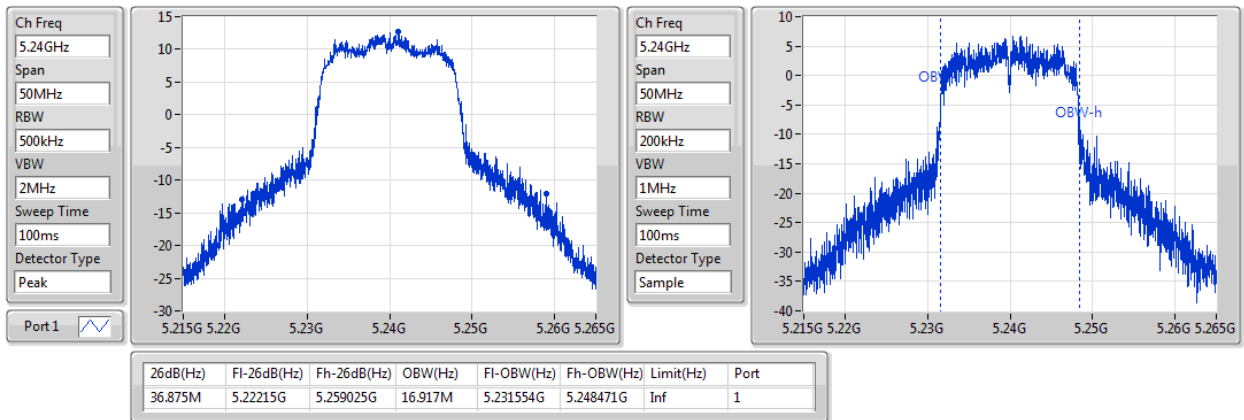
**Min-OBW** = Minimum 99% occupied bandwidth;

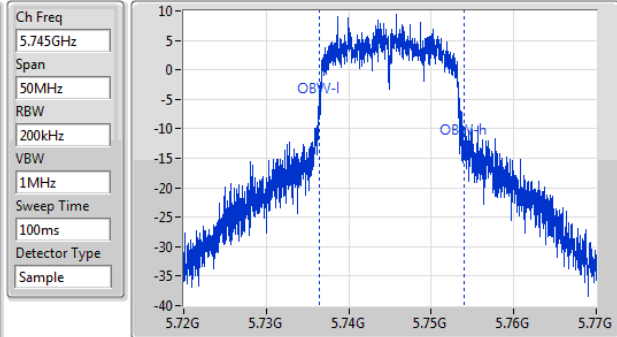
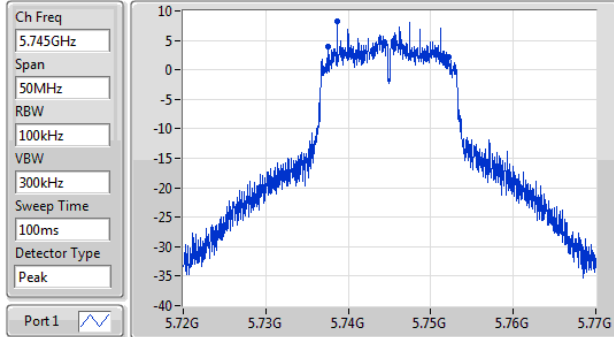
**Result**

| Mode                         | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|------------------------------|--------|---------------|---------------------|--------------------|
| 802.11a_(6Mbps)_1TX          | -      | -             | -                   | -                  |
| 5180MHz                      | Pass   | Inf           | 36.275M             | 16.767M            |
| 5200MHz                      | Pass   | Inf           | 37.75M              | 16.792M            |
| 5240MHz                      | Pass   | Inf           | 36.875M             | 16.917M            |
| 5745MHz                      | Pass   | 500k          | 14.675M             | 17.641M            |
| 5785MHz                      | Pass   | 500k          | 15.025M             | 17.041M            |
| 5825MHz                      | Pass   | 500k          | 15.025M             | 16.617M            |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5180MHz                      | Pass   | Inf           | 39.5M               | 17.766M            |
| 5200MHz                      | Pass   | Inf           | 38.75M              | 17.841M            |
| 5240MHz                      | Pass   | Inf           | 42.15M              | 17.816M            |
| 5745MHz                      | Pass   | 500k          | 15M                 | 18.166M            |
| 5785MHz                      | Pass   | 500k          | 17.5M               | 17.966M            |
| 5825MHz                      | Pass   | 500k          | 15.075M             | 17.691M            |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -             | -                   | -                  |
| 5190MHz                      | Pass   | Inf           | 69.55M              | 36.132M            |
| 5230MHz                      | Pass   | Inf           | 76.9M               | 36.532M            |
| 5755MHz                      | Pass   | 500k          | 31.3M               | 36.332M            |
| 5795MHz                      | Pass   | 500k          | 31.35M              | 36.182M            |

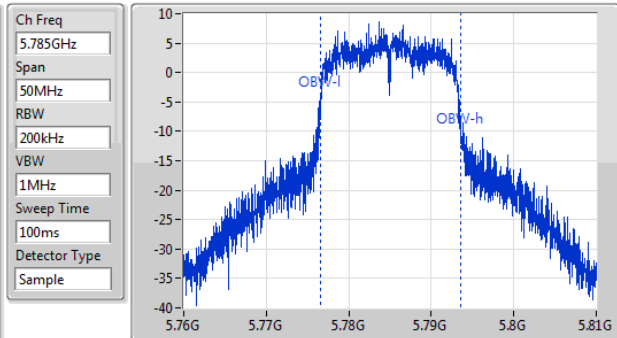
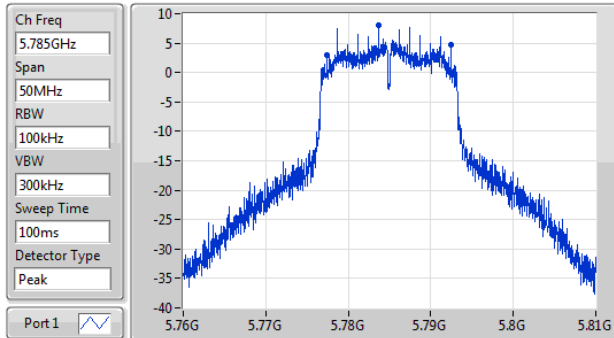
**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

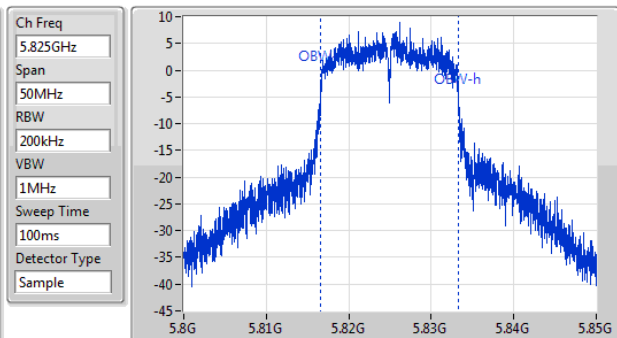
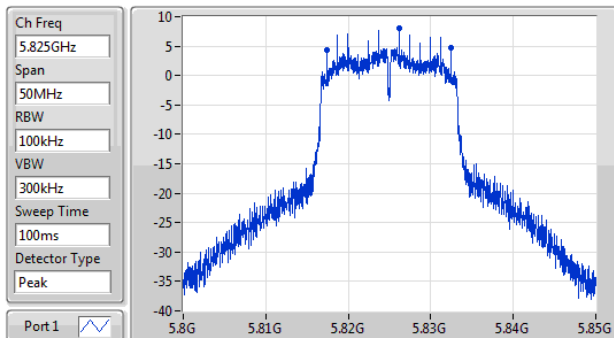
**802.11a\_(6Mbps)\_1TX**
**EBW**
**5180MHz**

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

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


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


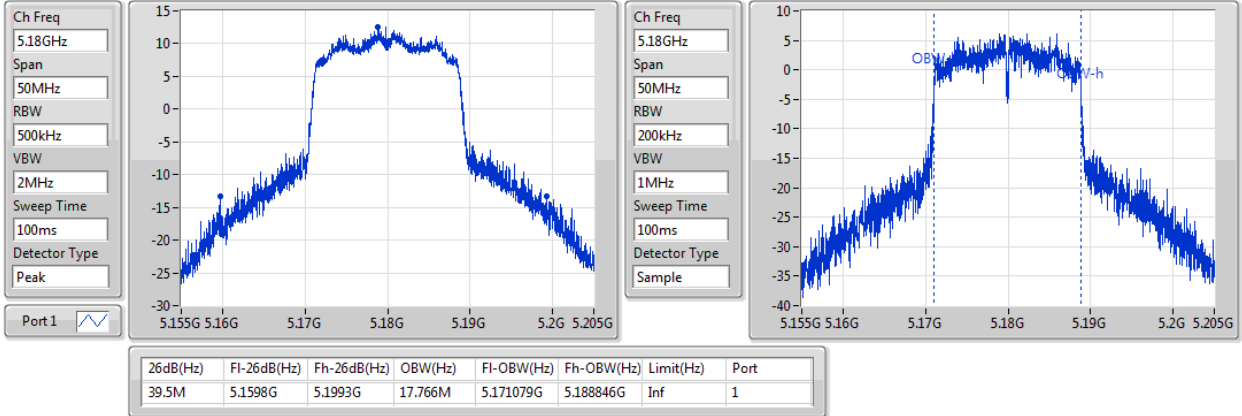
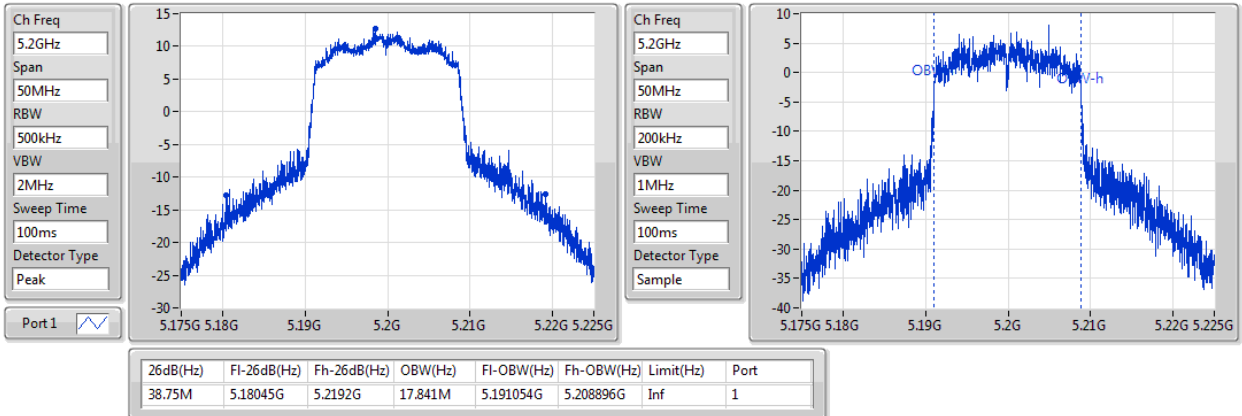
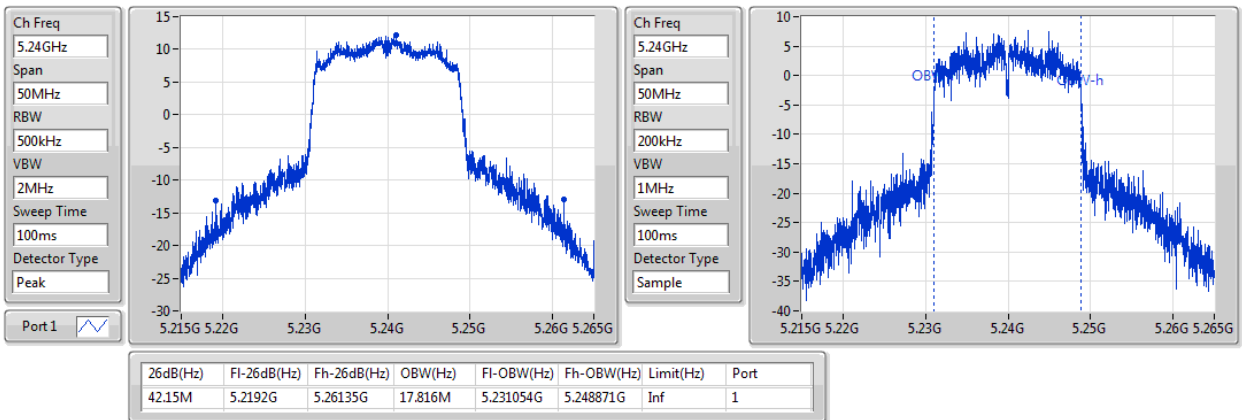
| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 14.675M | 5.7375G    | 5.752175G  | 17.641M | 5.736379G  | 5.75402G   | 500k      | 1    |

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


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 15.025M | 5.7774G    | 5.792425G  | 17.041M | 5.776529G  | 5.793571G  | 500k      | 1    |

**802.11a\_(6Mbps)\_1TX**
**EBW**
**5825MHz**


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 15.025M | 5.817425G  | 5.83245G   | 16.617M | 5.816629G  | 5.833246G  | 500k      | 1    |

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

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

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


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

Ch Freq  
5.745GHz

Span  
50MHz

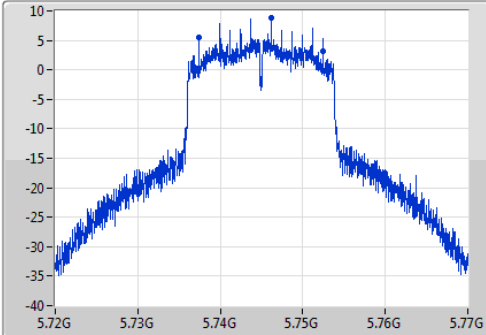
RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak

Port1 



Ch Freq  
5.745GHz

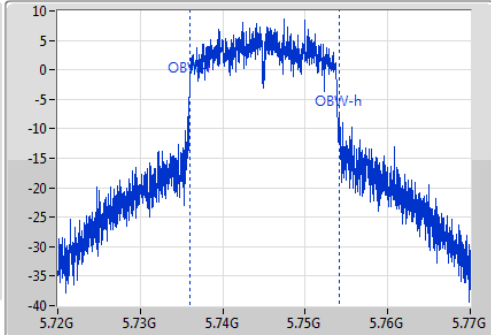
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 15M     | 5.73745G   | 5.75245G   | 18.166M | 5.73598G   | 5.754145G  | 500k      | 1    |

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

Ch Freq  
5.785GHz

Span  
50MHz

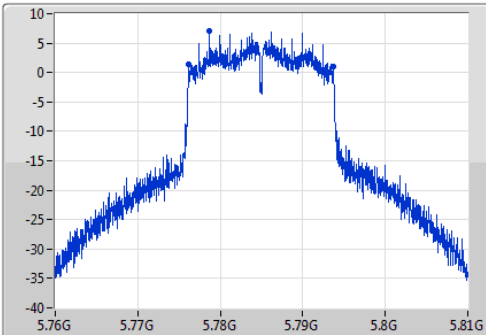
RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak

Port1 



Ch Freq  
5.785GHz

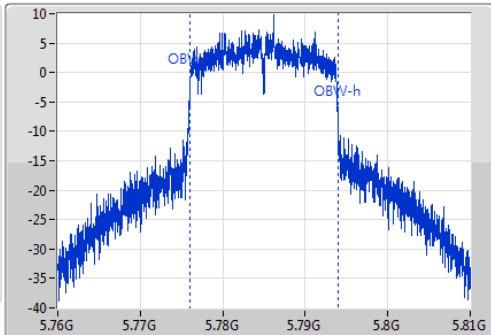
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 17.5M   | 5.776175G  | 5.793675G  | 17.966M | 5.77598G   | 5.793946G  | 500k      | 1    |

**802.11n HT20\_Nss1,(MCS0)\_1TX**
**EBW**
**5825MHz**

Ch Freq  
5.825GHz

Span  
50MHz

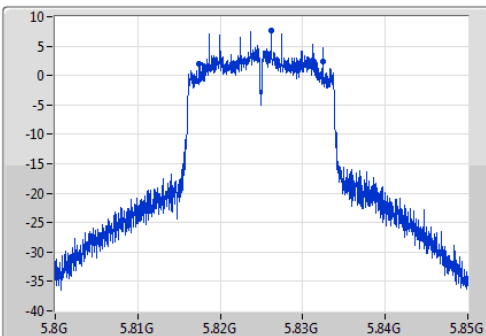
RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak

Port1 



Ch Freq  
5.825GHz

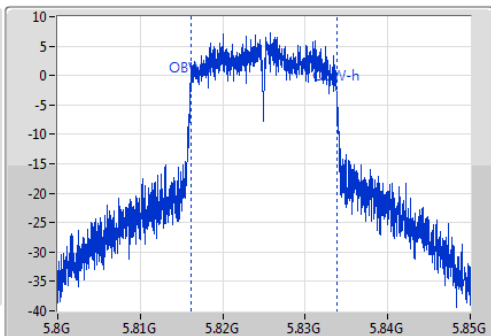
Span  
50MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample

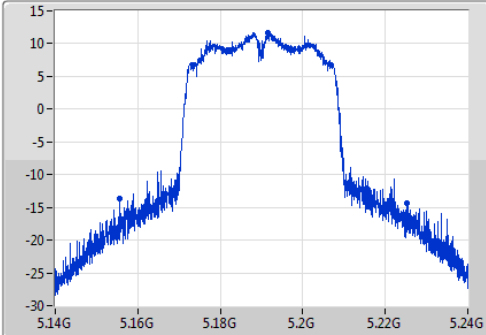


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 15.075M | 5.817375G  | 5.83245G   | 17.691M | 5.816104G  | 5.833796G  | 500k      | 1    |

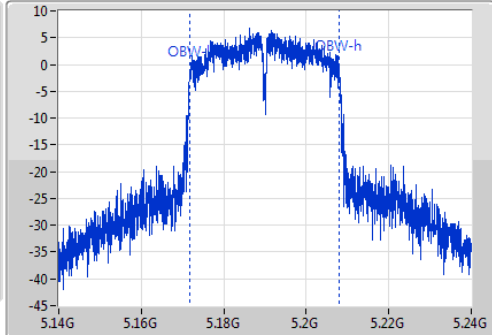


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**EBW**
**5190MHz**

Ch Freq  
5.19GHz  
Span  
100MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port1



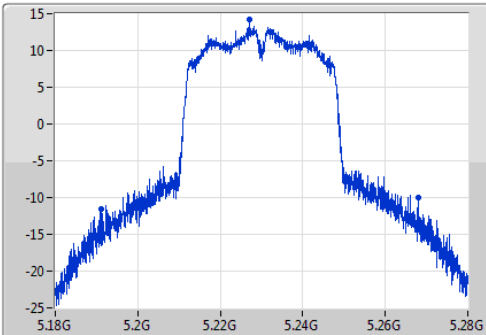
Ch Freq  
5.19GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



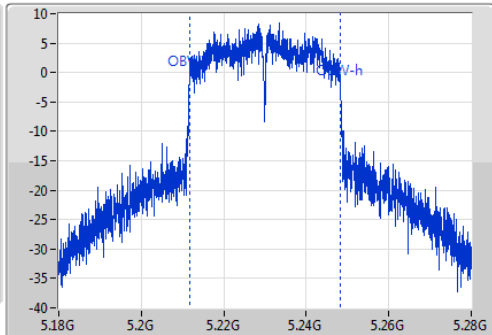
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 69.55M   | 5.15555G    | 5.2251G     | 36.132M | 5.171859G  | 5.207991G  | Inf       | 1    |

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

Ch Freq  
5.23GHz  
Span  
100MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port1



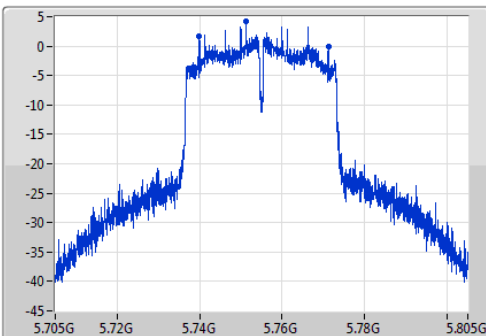
Ch Freq  
5.23GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



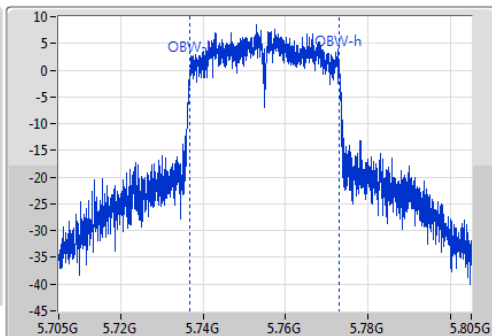
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 76.9M    | 5.19105G    | 5.26795G    | 36.532M | 5.211709G  | 5.248241G  | Inf       | 1    |

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

Ch Freq  
5.755GHz  
Span  
100MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port1



Ch Freq  
5.755GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample

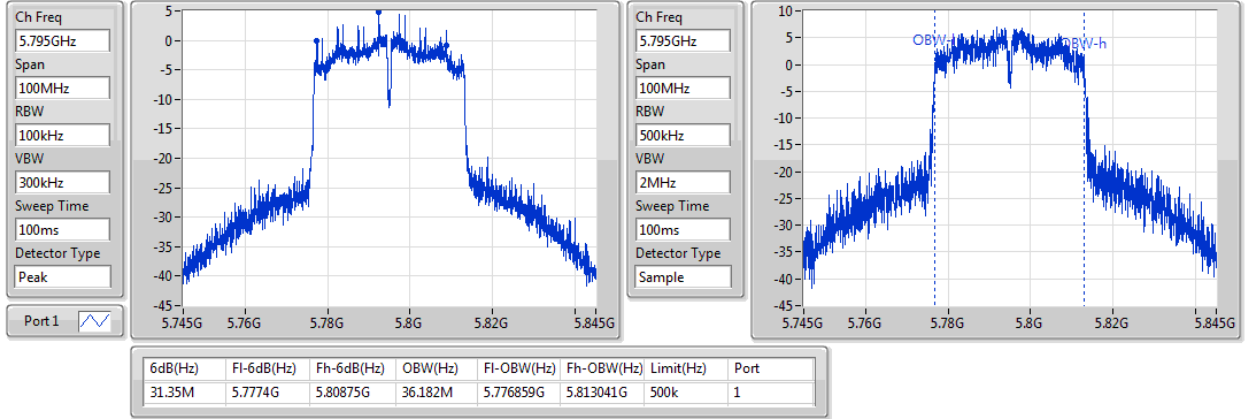


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 31.3M   | 5.73995G   | 5.77125G   | 36.332M | 5.736759G  | 5.773091G  | 500k      | 1    |

802.11n HT40\_Nss1,(MCS0)\_1TX

EBW

5795MHz



**Summary**

| Mode                         | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|------------------------------|----------------------|--------------------|---------------|-------------|
| 802.11a_(6Mbps)_1TX          | -                    | -                  | -             | -           |
| 5.15-5.25GHz                 | 17.88                | 0.06138            | 19.45         | 0.08810     |
| 5.725-5.85GHz                | 18.83                | 0.07638            | 20.40         | 0.10965     |
| 802.11n HT20_Nss1,(MCS0)_1TX | -                    | -                  | -             | -           |
| 5.15-5.25GHz                 | 17.76                | 0.05970            | 19.33         | 0.08570     |
| 5.725-5.85GHz                | 18.63                | 0.07295            | 20.20         | 0.10471     |
| 802.11n HT40_Nss1,(MCS0)_1TX | -                    | -                  | -             | -           |
| 5.15-5.25GHz                 | 17.61                | 0.05768            | 19.18         | 0.08279     |
| 5.725-5.85GHz                | 17.60                | 0.05754            | 19.17         | 0.08260     |

### 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_(6Mbps)_1TX          | -      | -           | -               | -                    | -                    | -             | -                   |
| 5180MHz                      | Pass   | 1.57        | 17.82           | 17.82                | 30.00                | 19.39         | 36.00               |
| 5200MHz                      | Pass   | 1.57        | 17.88           | 17.88                | 30.00                | 19.45         | 36.00               |
| 5240MHz                      | Pass   | 1.57        | 17.58           | 17.58                | 30.00                | 19.15         | 36.00               |
| 5745MHz                      | Pass   | 1.57        | 18.83           | 18.83                | 30.00                | 20.40         | 36.00               |
| 5785MHz                      | Pass   | 1.57        | 18.19           | 18.19                | 30.00                | 19.76         | 36.00               |
| 5825MHz                      | Pass   | 1.57        | 17.81           | 17.81                | 30.00                | 19.38         | 36.00               |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5180MHz                      | Pass   | 1.57        | 17.60           | 17.60                | 30.00                | 19.17         | 36.00               |
| 5200MHz                      | Pass   | 1.57        | 17.76           | 17.76                | 30.00                | 19.33         | 36.00               |
| 5240MHz                      | Pass   | 1.57        | 17.65           | 17.65                | 30.00                | 19.22         | 36.00               |
| 5745MHz                      | Pass   | 1.57        | 18.63           | 18.63                | 30.00                | 20.20         | 36.00               |
| 5785MHz                      | Pass   | 1.57        | 18.40           | 18.40                | 30.00                | 19.97         | 36.00               |
| 5825MHz                      | Pass   | 1.57        | 17.88           | 17.88                | 30.00                | 19.45         | 36.00               |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -               | -                    | -                    | -             | -                   |
| 5190MHz                      | Pass   | 1.57        | 16.30           | 16.30                | 30.00                | 17.87         | 36.00               |
| 5230MHz                      | Pass   | 1.57        | 17.61           | 17.61                | 30.00                | 19.18         | 36.00               |
| 5755MHz                      | Pass   | 1.57        | 17.60           | 17.60                | 30.00                | 19.17         | 36.00               |
| 5795MHz                      | Pass   | 1.57        | 16.99           | 16.99                | 30.00                | 18.56         | 36.00               |

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



## MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result

## Appendix C

| Mode | Frequency | Modulation | Channel | Data Rate | Conducted<br>Pass<br>Setting | Ant. 0<br>(dBm) | Total<br>(dBm) | Elevation<br>angle<br>above<br>30°Max<br>Gain(dBi) | Elevation<br>angle<br>above<br>30°Max<br>EIRP<br>(dBm) | EIRP<br>Power<br>Limit<br>dBm | Test<br>Result |
|------|-----------|------------|---------|-----------|------------------------------|-----------------|----------------|----------------------------------------------------|--------------------------------------------------------|-------------------------------|----------------|
|      | 5180MHz   | OFDM       | Ch36    | 6M        | 20                           | 17.82           | 17.82          | 1.570                                              | 19.39                                                  | 21.00                         | Complies       |
|      | 5200MHz   | OFDM       | Ch40    | 6M        | 20                           | 17.88           | 17.88          | 1.570                                              | 19.45                                                  | 21.00                         | Complies       |
|      | 5240MHz   | OFDM       | Ch48    | 6M        | 20                           | 17.58           | 17.58          | 1.570                                              | 19.15                                                  | 21.00                         | Complies       |
|      | 5180MHz   | HT20       | Ch36    | MCS0      | 20                           | 17.60           | 17.60          | 1.570                                              | 19.17                                                  | 21.00                         | Complies       |
|      | 5200MHz   | HT20       | Ch40    | MCS0      | 20                           | 17.76           | 17.76          | 1.570                                              | 19.33                                                  | 21.00                         | Complies       |
|      | 5240MHz   | HT20       | Ch48    | MCS0      | 20                           | 17.65           | 17.65          | 1.570                                              | 19.22                                                  | 21.00                         | Complies       |
|      | 5190MHz   | HT40       | Ch38    | MCS0      | 20                           | 16.30           | 16.30          | 1.570                                              | 17.87                                                  | 21.00                         | Complies       |
|      | 5230MHz   | HT40       | Ch46    | MCS0      | 20                           | 17.61           | 17.61          | 1.570                                              | 19.18                                                  | 21.00                         | Complies       |

**Summary**

| Mode                         | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|------------------------------|-----------------|----------------------|
| 802.11a_(6Mbps)_1TX          | -               | -                    |
| 5.15-5.25GHz                 | 6.33            | 7.90                 |
| 5.725-5.85GHz                | 5.85            | 7.42                 |
| 802.11n HT20_Nss1,(MCS0)_1TX | -               | -                    |
| 5.15-5.25GHz                 | 6.04            | 7.61                 |
| 5.725-5.85GHz                | 5.47            | 7.04                 |
| 802.11n HT40_Nss1,(MCS0)_1TX | -               | -                    |
| 5.15-5.25GHz                 | 3.41            | 4.98                 |
| 5.725-5.85GHz                | 1.88            | 3.45                 |

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_(6Mbps)_1TX          | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5180MHz                      | Pass   | 1.57        | 6.21                | 6.21            | 17.00                 | 7.78                 | Inf                        |
| 5200MHz                      | Pass   | 1.57        | 6.33                | 6.33            | 17.00                 | 7.90                 | Inf                        |
| 5240MHz                      | Pass   | 1.57        | 6.19                | 6.19            | 17.00                 | 7.76                 | Inf                        |
| 5745MHz                      | Pass   | 1.57        | 5.85                | 5.85            | 30.00                 | 7.42                 | Inf                        |
| 5785MHz                      | Pass   | 1.57        | 5.52                | 5.52            | 30.00                 | 7.09                 | Inf                        |
| 5825MHz                      | Pass   | 1.57        | 5.02                | 5.02            | 30.00                 | 6.59                 | Inf                        |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5180MHz                      | Pass   | 1.57        | 5.87                | 5.87            | 17.00                 | 7.44                 | Inf                        |
| 5200MHz                      | Pass   | 1.57        | 6.04                | 6.04            | 17.00                 | 7.61                 | Inf                        |
| 5240MHz                      | Pass   | 1.57        | 5.94                | 5.94            | 17.00                 | 7.51                 | Inf                        |
| 5745MHz                      | Pass   | 1.57        | 5.47                | 5.47            | 30.00                 | 7.04                 | Inf                        |
| 5785MHz                      | Pass   | 1.57        | 5.30                | 5.30            | 30.00                 | 6.87                 | Inf                        |
| 5825MHz                      | Pass   | 1.57        | 4.88                | 4.88            | 30.00                 | 6.45                 | Inf                        |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -           | -                   | -               | -                     | -                    | -                          |
| 5190MHz                      | Pass   | 1.57        | 2.13                | 2.13            | 17.00                 | 3.70                 | Inf                        |
| 5230MHz                      | Pass   | 1.57        | 3.41                | 3.41            | 17.00                 | 4.98                 | Inf                        |
| 5755MHz                      | Pass   | 1.57        | 1.88                | 1.88            | 30.00                 | 3.45                 | Inf                        |
| 5795MHz                      | Pass   | 1.57        | 1.33                | 1.33            | 30.00                 | 2.90                 | Inf                        |

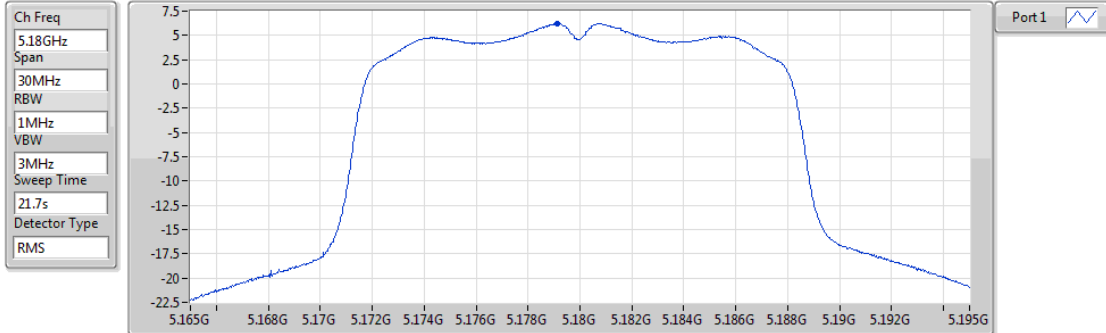
**DG** = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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

### 802.11a\_(6Mbps)\_1TX

PSD

5180MHz

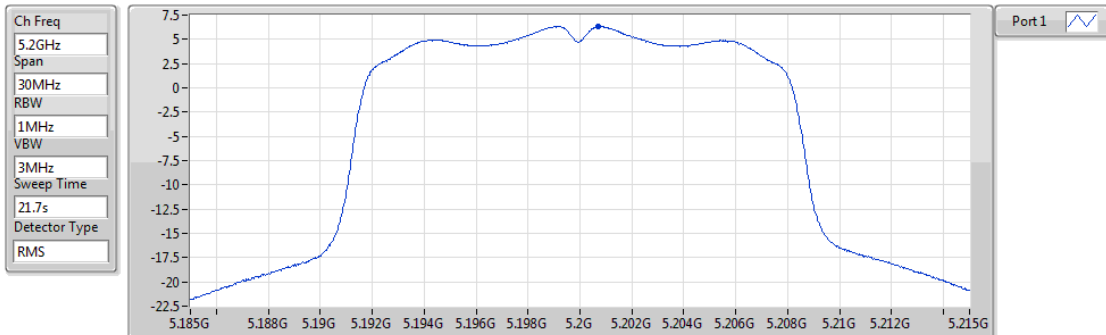


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.21      | 6.21      | 6.21      |

### 802.11a\_(6Mbps)\_1TX

PSD

5200MHz

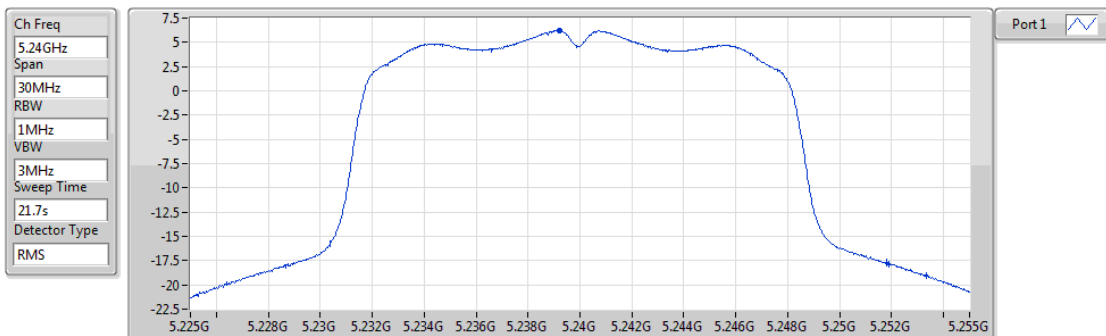


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.33      | 6.33      | 6.33      |

### 802.11a\_(6Mbps)\_1TX

PSD

5240MHz



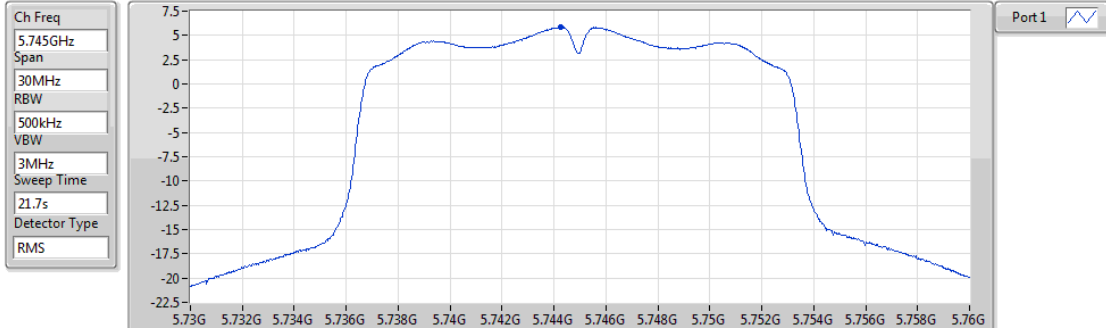
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.19      | 6.19      | 6.19      |



### 802.11a\_(6Mbps)\_1TX

PSD

5745MHz

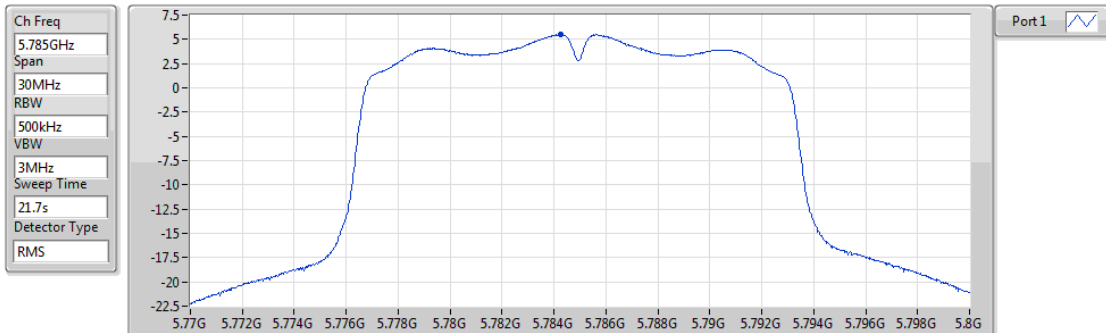


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.85      | 5.85      | 5.85      |

### 802.11a\_(6Mbps)\_1TX

PSD

5785MHz

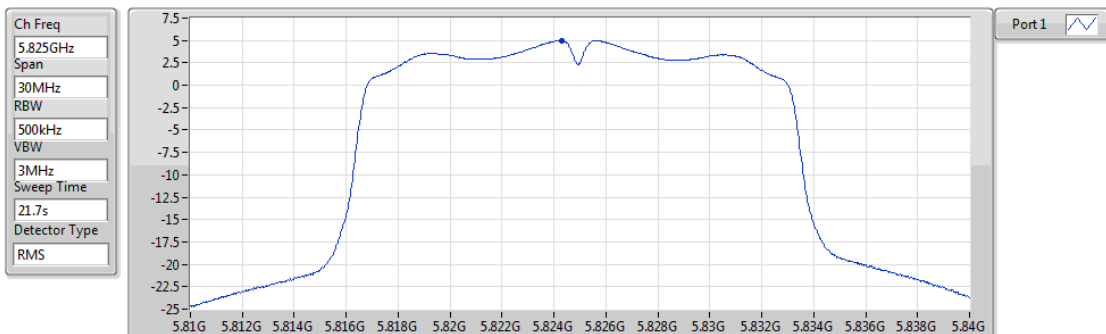


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.52      | 5.52      | 5.52      |

### 802.11a\_(6Mbps)\_1TX

PSD

5825MHz

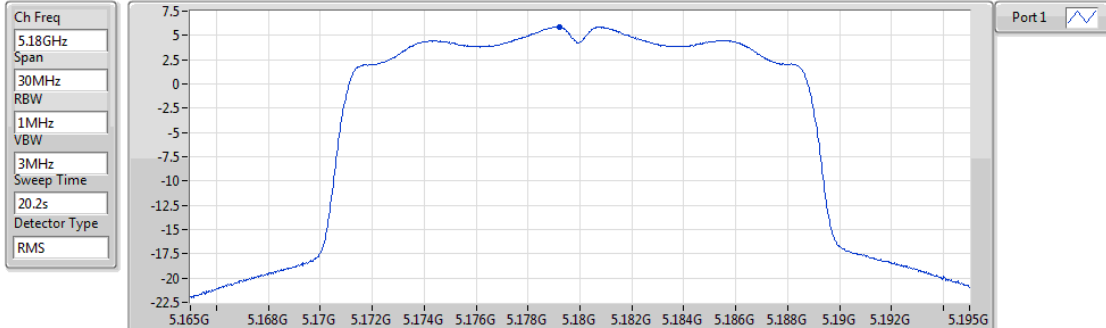


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.02      | 5.02      | 5.02      |

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

PSD

5180MHz

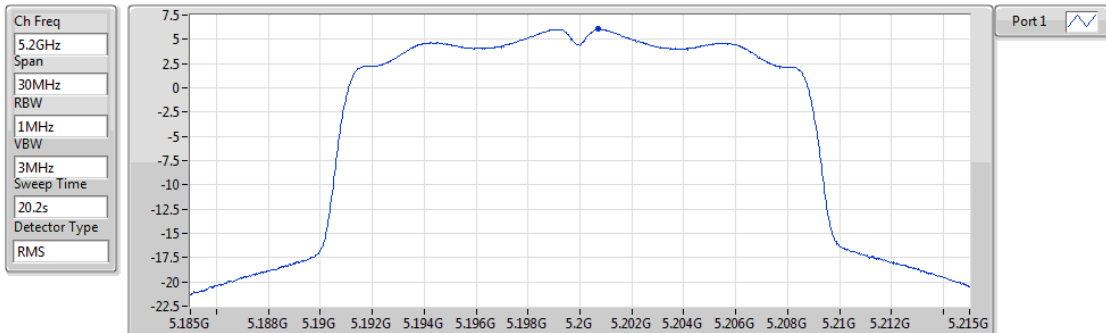


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.87      | 5.87      | 5.87      |

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

PSD

5200MHz

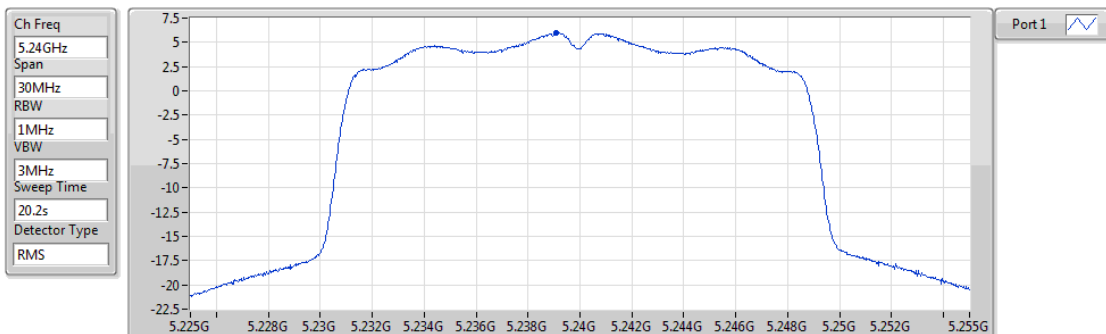


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.04      | 6.04      | 6.04      |

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

PSD

5240MHz

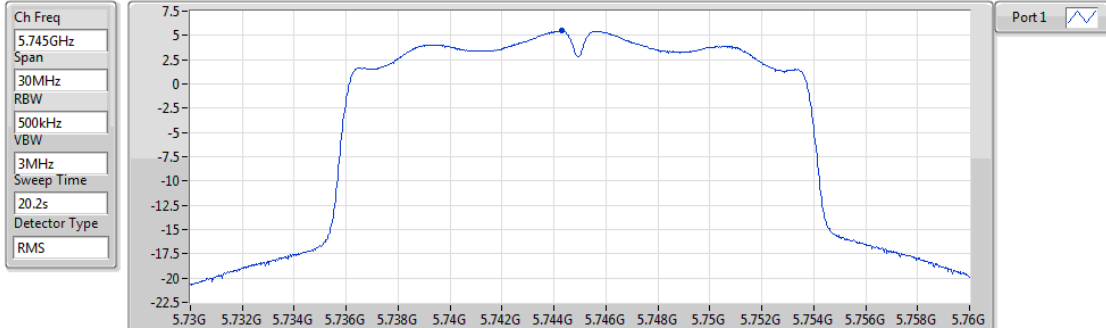


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.94      | 5.94      | 5.94      |

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

PSD

5745MHz

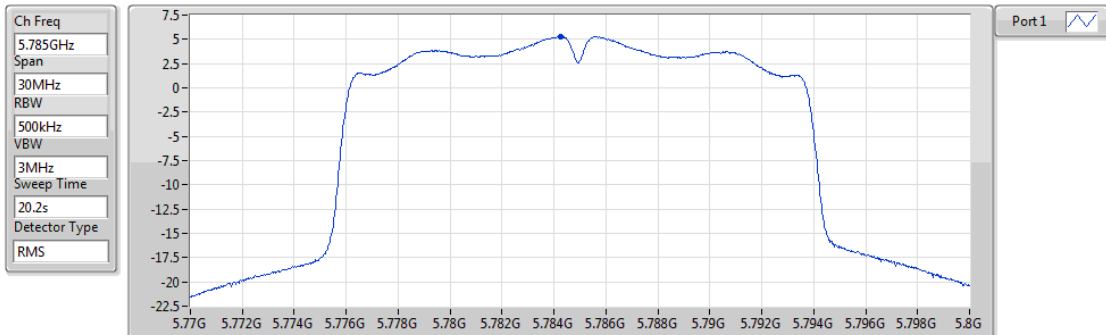


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.47      | 5.47      | 5.47      |

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

PSD

5785MHz

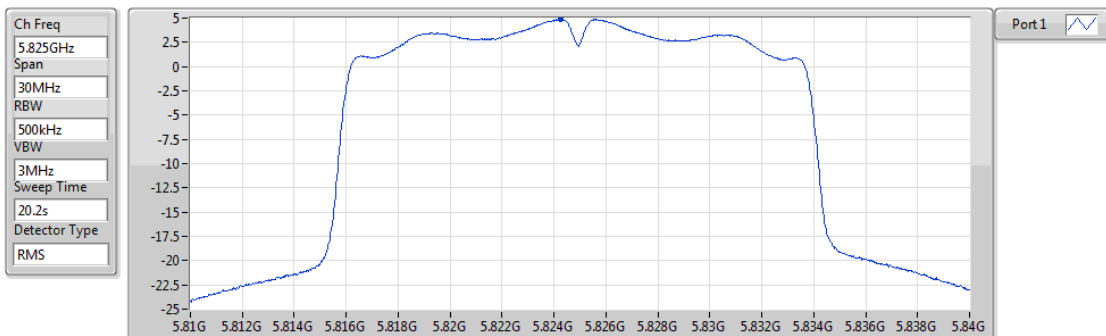


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.30      | 5.30      | 5.30      |

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

PSD

5825MHz

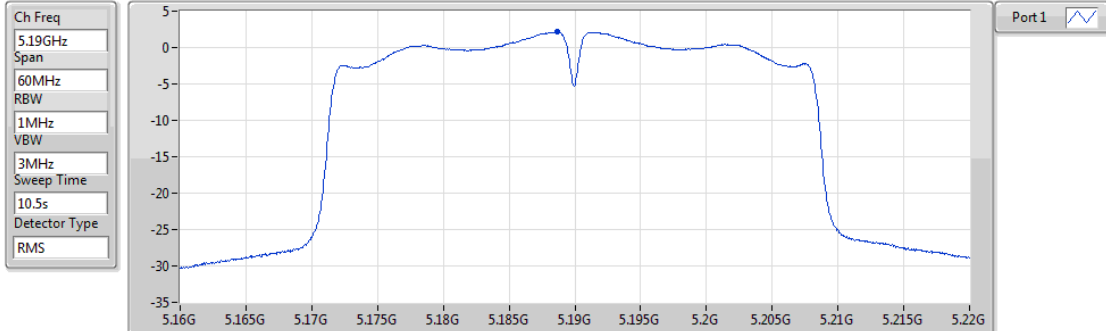


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.88      | 4.88      | 4.88      |

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

PSD

5190MHz

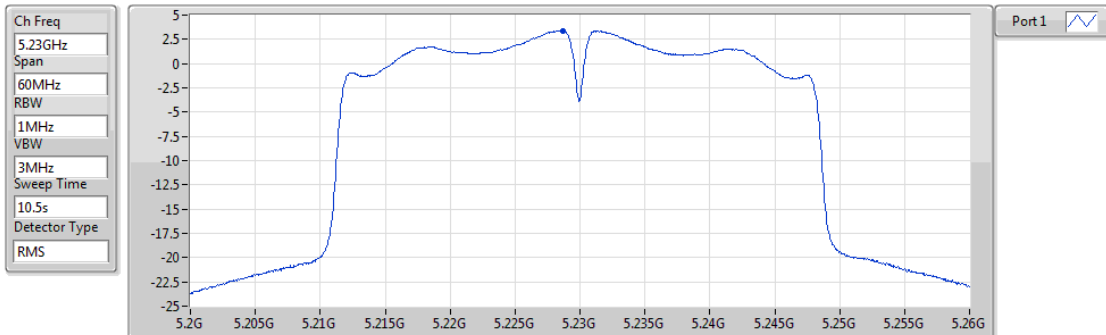


| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.13     | 2.13     | 2.13     |

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

PSD

5230MHz

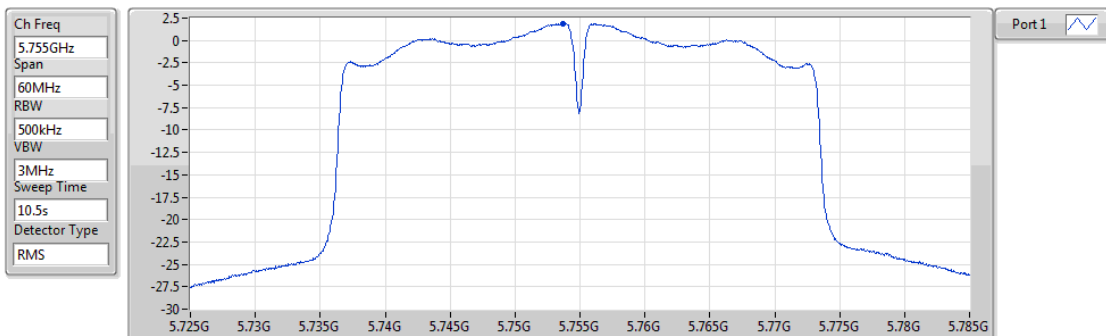


| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.41     | 3.41     | 3.41     |

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

PSD

5755MHz

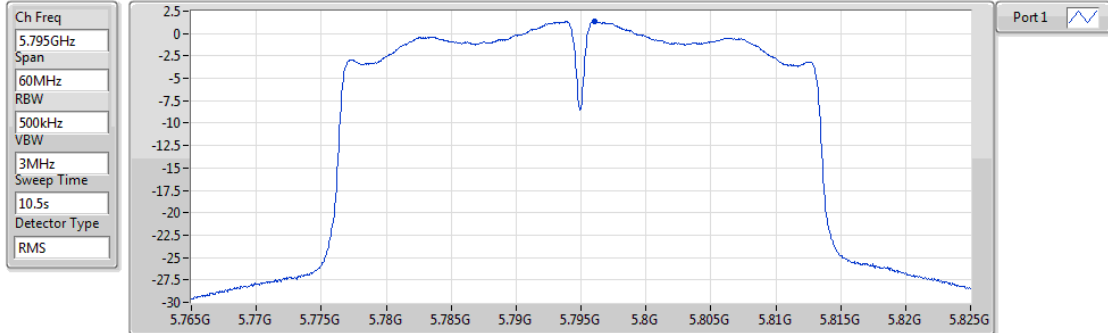


| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 1.88     | 1.88     | 1.88     |

802.11n HT40\_Nss1,(MCS0)\_1TX

PSD

5795MHz



| Sum      | PD       | Port 1   |
|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 1.33     | 1.33     | 1.33     |

**Summary**

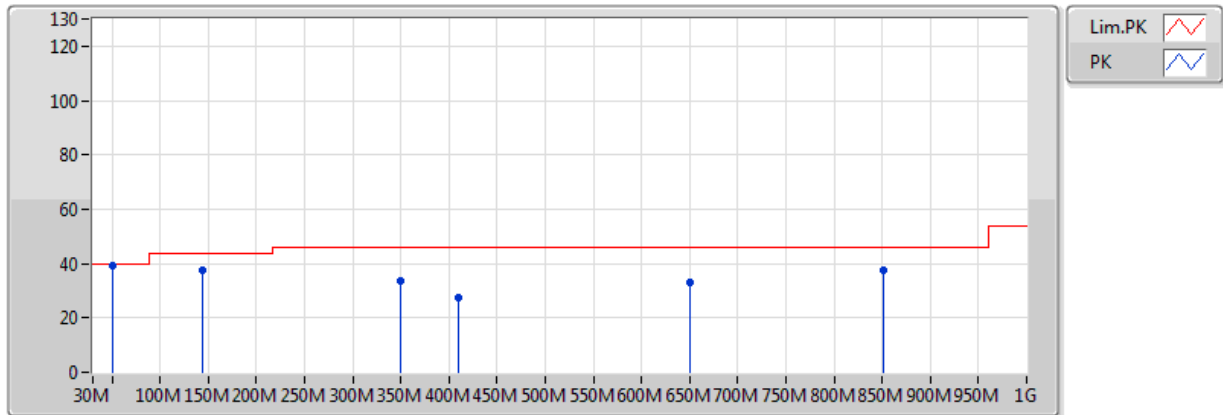
| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5.725-5.85GHz                | Pass   | QP   | 51.34M       | 39.49             | 40.00             | -0.51          | -8.69          | 3           | V             | 0              | 1.00          | -        |

**Result**

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5795MHz                      | Pass   | PK   | 62.98M       | 36.78             | 40.00             | -3.22          | -8.64          | 3           | H             | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 90.14M       | 37.11             | 43.50             | -6.39          | -8.54          | 3           | H             | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 144.46M      | 37.66             | 43.50             | -5.84          | -8.33          | 3           | H             | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 144.46M      | 37.66             | 43.50             | -5.84          | -8.33          | 3           | H             | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 650.8M       | 32.78             | 46.00             | -13.22         | -6.42          | 3           | H             | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 850.62M      | 36.62             | 46.00             | -9.38          | -5.66          | 3           | H             | 360            | 1.00          | -        |
| 5795MHz                      | Pass   | QP   | 51.34M       | 39.49             | 40.00             | -0.51          | -8.69          | 3           | V             | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 144.46M      | 37.66             | 43.50             | -5.84          | -8.33          | 3           | V             | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 350.1M       | 33.44             | 46.00             | -12.56         | -7.56          | 3           | V             | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 410.24M      | 27.47             | 46.00             | -18.53         | -7.33          | 3           | V             | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 650.8M       | 33.22             | 46.00             | -12.78         | -6.42          | 3           | V             | 0              | 1.00          | -        |
| 5795MHz                      | Pass   | PK   | 850.62M      | 37.59             | 46.00             | -8.41          | -5.66          | 3           | V             | 0              | 1.00          | -        |

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

## 5795MHz\_POE



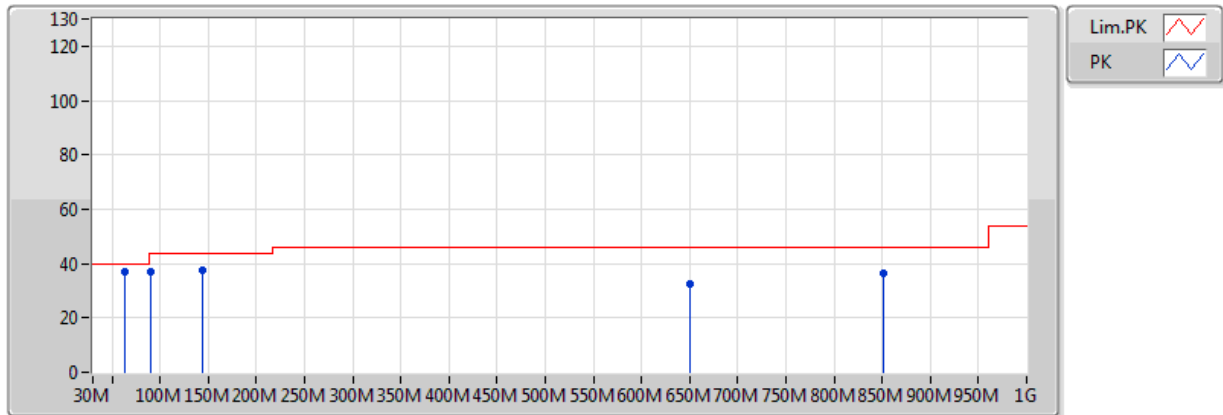
EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| QP   | 51.34M   | 39.49         | 40.00         | -0.51      | -8.69      | 3       | V         | 0          | 1.00      | -        |
| PK   | 144.46M  | 37.66         | 43.50         | -5.84      | -8.33      | 3       | V         | 0          | 1.00      | -        |
| PK   | 350.1M   | 33.44         | 46.00         | -12.56     | -7.56      | 3       | V         | 0          | 1.00      | -        |
| PK   | 410.24M  | 27.47         | 46.00         | -18.53     | -7.33      | 3       | V         | 0          | 1.00      | -        |
| PK   | 650.8M   | 33.22         | 46.00         | -12.78     | -6.42      | 3       | V         | 0          | 1.00      | -        |
| PK   | 850.62M  | 37.59         | 46.00         | -8.41      | -5.66      | 3       | V         | 0          | 1.00      | -        |



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

## 5795MHz\_POE



EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| PK   | 62.98M   | 36.78         | 40.00         | -3.22      | -8.64      | 3       | H         | 360        | 1.00      | -        |
| PK   | 90.14M   | 37.11         | 43.50         | -6.39      | -8.54      | 3       | H         | 360        | 1.00      | -        |
| PK   | 144.46M  | 37.66         | 43.50         | -5.84      | -8.33      | 3       | H         | 360        | 1.00      | -        |
| PK   | 144.46M  | 37.66         | 43.50         | -5.84      | -8.33      | 3       | H         | 360        | 1.00      | -        |
| PK   | 650.8M   | 32.78         | 46.00         | -13.22     | -6.42      | 3       | H         | 360        | 1.00      | -        |
| PK   | 850.62M  | 36.62         | 46.00         | -9.38      | -5.66      | 3       | H         | 360        | 1.00      | -        |

**Summary**

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5.15-5.25GHz                 | Pass   | AV   | 5.149995G    | 53.04             | 54.00             | -0.96          | 5.44           | 3           | H             | 59             | 3.36          | -        |
| 802.11a_(6Mbps)_1TX          | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5.725-5.85GHz                | Pass   | PK   | 5.6098G      | 60.34             | 68.20             | -7.86          | 6.24           | 3           | H             | 43             | 1.50          | -        |

**Result**

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 802.11a_(6Mbps)_1TX          | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5180MHz                      | Pass   | AV   | 5.1498G      | 51.73             | 54.00             | -2.27          | 5.44           | 3           | H             | 68             | 3.19          | -        |
| 5180MHz                      | Pass   | AV   | 5.179G       | 93.96             | Inf               | -Inf           | 5.50           | 3           | H             | 68             | 3.19          | -        |
| 5180MHz                      | Pass   | PK   | 5.1478G      | 65.75             | 74.00             | -8.25          | 5.44           | 3           | H             | 68             | 3.19          | -        |
| 5180MHz                      | Pass   | PK   | 5.1796G      | 104.48            | Inf               | -Inf           | 5.51           | 3           | H             | 68             | 3.19          | -        |
| 5180MHz                      | Pass   | AV   | 5.1482G      | 46.02             | 54.00             | -7.98          | 5.44           | 3           | V             | 269            | 3.63          | -        |
| 5180MHz                      | Pass   | AV   | 5.1808G      | 84.67             | Inf               | -Inf           | 5.51           | 3           | V             | 269            | 3.63          | -        |
| 5180MHz                      | Pass   | PK   | 5.1322G      | 58.70             | 74.00             | -15.30         | 5.40           | 3           | V             | 269            | 3.63          | -        |
| 5180MHz                      | Pass   | PK   | 5.181G       | 95.98             | Inf               | -Inf           | 5.51           | 3           | V             | 269            | 3.63          | -        |
| 5180MHz                      | Pass   | AV   | 10.36G       | 41.03             | 54.00             | -12.97         | 10.25          | 3           | H             | 322            | 1.78          | -        |
| 5180MHz                      | Pass   | PK   | 10.36G       | 54.24             | 74.00             | -19.76         | 10.25          | 3           | H             | 322            | 1.78          | -        |
| 5180MHz                      | Pass   | AV   | 10.36G       | 39.96             | 54.00             | -14.04         | 10.25          | 3           | V             | 22             | 3.28          | -        |
| 5180MHz                      | Pass   | PK   | 10.36G       | 54.17             | 74.00             | -19.83         | 10.25          | 3           | V             | 22             | 3.28          | -        |
| 5200MHz                      | Pass   | AV   | 5.1484G      | 48.19             | 54.00             | -5.81          | 5.44           | 3           | H             | 63             | 2.10          | -        |
| 5200MHz                      | Pass   | AV   | 5.1988G      | 94.07             | Inf               | -Inf           | 5.55           | 3           | H             | 63             | 2.10          | -        |
| 5200MHz                      | Pass   | AV   | 10.4G        | 41.39             | 54.00             | -12.61         | 10.32          | 3           | H             | 1              | 1.69          | -        |
| 5200MHz                      | Pass   | PK   | 5.1496G      | 63.02             | 74.00             | -10.98         | 5.44           | 3           | H             | 63             | 2.10          | -        |
| 5200MHz                      | Pass   | PK   | 5.198G       | 104.10            | Inf               | -Inf           | 5.55           | 3           | H             | 63             | 2.10          | -        |
| 5200MHz                      | Pass   | PK   | 10.4G        | 54.89             | 74.00             | -19.11         | 10.32          | 3           | H             | 1              | 1.69          | -        |
| 5200MHz                      | Pass   | AV   | 5.149995G    | 45.17             | 54.00             | -8.83          | 5.44           | 3           | V             | 290            | 3.59          | -        |
| 5200MHz                      | Pass   | AV   | 5.2004G      | 94.91             | Inf               | -Inf           | 5.55           | 3           | V             | 290            | 3.59          | -        |
| 5200MHz                      | Pass   | AV   | 10.4G        | 40.82             | 54.00             | -13.18         | 10.32          | 3           | V             | 25             | 3.24          | -        |
| 5200MHz                      | Pass   | PK   | 5.1192G      | 58.08             | 74.00             | -15.92         | 5.37           | 3           | V             | 290            | 3.59          | -        |
| 5200MHz                      | Pass   | PK   | 5.2008G      | 105.73            | Inf               | -Inf           | 5.55           | 3           | V             | 290            | 3.59          | -        |
| 5200MHz                      | Pass   | PK   | 10.4G        | 54.08             | 74.00             | -19.92         | 10.32          | 3           | V             | 25             | 3.24          | -        |
| 5240MHz                      | Pass   | AV   | 5.1482G      | 45.25             | 54.00             | -8.75          | 5.44           | 3           | H             | 63             | 2.07          | -        |
| 5240MHz                      | Pass   | AV   | 5.2406G      | 94.40             | Inf               | -Inf           | 5.59           | 3           | H             | 63             | 2.07          | -        |
| 5240MHz                      | Pass   | AV   | 5.3858G      | 45.34             | 54.00             | -8.66          | 5.84           | 3           | H             | 63             | 2.07          | -        |
| 5240MHz                      | Pass   | AV   | 10.48G       | 40.95             | 54.00             | -13.05         | 10.46          | 3           | H             | 4              | 1.70          | -        |
| 5240MHz                      | Pass   | PK   | 5.1248G      | 58.53             | 74.00             | -15.47         | 5.38           | 3           | H             | 63             | 2.07          | -        |
| 5240MHz                      | Pass   | PK   | 5.24G        | 104.73            | Inf               | -Inf           | 5.59           | 3           | H             | 63             | 2.07          | -        |
| 5240MHz                      | Pass   | PK   | 5.3852G      | 58.85             | 74.00             | -15.15         | 5.84           | 3           | H             | 63             | 2.07          | -        |
| 5240MHz                      | Pass   | PK   | 10.48G       | 54.78             | 74.00             | -19.22         | 10.46          | 3           | H             | 4              | 1.70          | -        |
| 5240MHz                      | Pass   | AV   | 5.1164G      | 45.25             | 54.00             | -8.75          | 5.37           | 3           | V             | 261            | 3.53          | -        |
| 5240MHz                      | Pass   | AV   | 5.2406G      | 95.91             | Inf               | -Inf           | 5.59           | 3           | V             | 261            | 3.53          | -        |
| 5240MHz                      | Pass   | AV   | 5.3798G      | 45.38             | 54.00             | -8.62          | 5.83           | 3           | V             | 261            | 3.53          | -        |
| 5240MHz                      | Pass   | AV   | 10.48G       | 40.34             | 54.00             | -13.66         | 10.46          | 3           | V             | 24             | 3.10          | -        |
| 5240MHz                      | Pass   | PK   | 5.1446G      | 58.89             | 74.00             | -15.11         | 5.43           | 3           | V             | 261            | 3.53          | -        |
| 5240MHz                      | Pass   | PK   | 5.24G        | 106.43            | Inf               | -Inf           | 5.59           | 3           | V             | 261            | 3.53          | -        |
| 5240MHz                      | Pass   | PK   | 5.3792G      | 58.66             | 74.00             | -15.34         | 5.82           | 3           | V             | 261            | 3.53          | -        |
| 5240MHz                      | Pass   | PK   | 10.48G       | 54.76             | 74.00             | -19.24         | 10.46          | 3           | V             | 24             | 3.10          | -        |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5180MHz                      | Pass   | AV   | 5.149995G    | 50.35             | 54.00             | -3.65          | 5.44           | 3           | H             | 55             | 3.20          | -        |
| 5180MHz                      | Pass   | AV   | 5.1808G      | 92.99             | Inf               | -Inf           | 5.51           | 3           | H             | 55             | 3.20          | -        |
| 5180MHz                      | Pass   | AV   | 10.36G       | 40.21             | 54.00             | -13.79         | 10.25          | 3           | H             | 360            | 1.50          | -        |
| 5180MHz                      | Pass   | PK   | 5.1476G      | 65.05             | 74.00             | -8.95          | 5.43           | 3           | H             | 55             | 3.20          | -        |
| 5180MHz                      | Pass   | PK   | 5.1814G      | 103.03            | Inf               | -Inf           | 5.51           | 3           | H             | 55             | 3.20          | -        |
| 5180MHz                      | Pass   | PK   | 10.36G       | 54.64             | 74.00             | -19.36         | 10.25          | 3           | H             | 360            | 1.50          | -        |

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 5180MHz                      | Pass   | AV   | 5.149995G    | 51.54             | 54.00             | -2.46          | 5.44           | 3           | V             | 255            | 1.92          | -        |
| 5180MHz                      | Pass   | AV   | 5.1806G      | 92.89             | Inf               | -Inf           | 5.51           | 3           | V             | 255            | 1.92          | -        |
| 5180MHz                      | Pass   | AV   | 10.36G       | 39.10             | 54.00             | -14.90         | 10.25          | 3           | V             | 0              | 1.50          | -        |
| 5180MHz                      | Pass   | PK   | 5.149995G    | 66.42             | 74.00             | -7.58          | 5.44           | 3           | V             | 255            | 1.92          | -        |
| 5180MHz                      | Pass   | PK   | 5.1792G      | 103.12            | Inf               | -Inf           | 5.50           | 3           | V             | 255            | 1.92          | -        |
| 5180MHz                      | Pass   | PK   | 10.36G       | 52.84             | 74.00             | -21.16         | 10.25          | 3           | V             | 0              | 1.50          | -        |
| 5200MHz                      | Pass   | AV   | 5.1476G      | 46.04             | 54.00             | -7.96          | 5.43           | 3           | H             | 69             | 3.15          | -        |
| 5200MHz                      | Pass   | AV   | 5.1988G      | 92.96             | Inf               | -Inf           | 5.55           | 3           | H             | 69             | 3.15          | -        |
| 5200MHz                      | Pass   | AV   | 10.4G        | 41.29             | 54.00             | -12.71         | 10.32          | 3           | H             | 360            | 1.50          | -        |
| 5200MHz                      | Pass   | PK   | 5.1472G      | 58.85             | 74.00             | -15.15         | 5.43           | 3           | H             | 69             | 3.15          | -        |
| 5200MHz                      | Pass   | PK   | 5.2004G      | 103.29            | Inf               | -Inf           | 5.55           | 3           | H             | 69             | 3.15          | -        |
| 5200MHz                      | Pass   | PK   | 10.4G        | 54.18             | 74.00             | -19.82         | 10.32          | 3           | H             | 360            | 1.50          | -        |
| 5200MHz                      | Pass   | AV   | 5.1496G      | 46.84             | 54.00             | -7.16          | 5.44           | 3           | V             | 272            | 3.61          | -        |
| 5200MHz                      | Pass   | AV   | 5.1992G      | 94.67             | Inf               | -Inf           | 5.55           | 3           | V             | 272            | 3.61          | -        |
| 5200MHz                      | Pass   | AV   | 10.4G        | 39.67             | 54.00             | -14.33         | 10.32          | 3           | V             | 0              | 1.50          | -        |
| 5200MHz                      | Pass   | PK   | 5.149995G    | 59.83             | 74.00             | -14.17         | 5.44           | 3           | V             | 272            | 3.61          | -        |
| 5200MHz                      | Pass   | PK   | 5.1992G      | 104.97            | Inf               | -Inf           | 5.55           | 3           | V             | 272            | 3.61          | -        |
| 5200MHz                      | Pass   | PK   | 10.4G        | 53.21             | 74.00             | -20.79         | 10.32          | 3           | V             | 0              | 1.50          | -        |
| 5240MHz                      | Pass   | AV   | 5.1476G      | 45.06             | 54.00             | -8.94          | 5.43           | 3           | H             | 59             | 2.15          | -        |
| 5240MHz                      | Pass   | AV   | 5.2406G      | 93.68             | Inf               | -Inf           | 5.59           | 3           | H             | 59             | 2.15          | -        |
| 5240MHz                      | Pass   | AV   | 5.3792G      | 45.27             | 54.00             | -8.73          | 5.82           | 3           | H             | 59             | 2.15          | -        |
| 5240MHz                      | Pass   | AV   | 10.48G       | 40.47             | 54.00             | -13.53         | 10.46          | 3           | H             | 360            | 1.50          | -        |
| 5240MHz                      | Pass   | PK   | 5.1212G      | 58.15             | 74.00             | -15.85         | 5.38           | 3           | H             | 59             | 2.15          | -        |
| 5240MHz                      | Pass   | PK   | 5.24G        | 103.82            | Inf               | -Inf           | 5.59           | 3           | H             | 59             | 2.15          | -        |
| 5240MHz                      | Pass   | PK   | 5.369G       | 58.11             | 74.00             | -15.89         | 5.80           | 3           | H             | 59             | 2.15          | -        |
| 5240MHz                      | Pass   | PK   | 10.48G       | 53.93             | 74.00             | -20.07         | 10.46          | 3           | H             | 360            | 1.50          | -        |
| 5240MHz                      | Pass   | AV   | 5.12G        | 45.10             | 54.00             | -8.90          | 5.37           | 3           | V             | 276            | 3.54          | -        |
| 5240MHz                      | Pass   | AV   | 5.2406G      | 95.22             | Inf               | -Inf           | 5.59           | 3           | V             | 276            | 3.54          | -        |
| 5240MHz                      | Pass   | AV   | 5.39G        | 45.29             | 54.00             | -8.71          | 5.85           | 3           | V             | 276            | 3.54          | -        |
| 5240MHz                      | Pass   | AV   | 10.48G       | 39.05             | 54.00             | -14.95         | 10.46          | 3           | V             | 0              | 1.50          | -        |
| 5240MHz                      | Pass   | PK   | 5.1182G      | 58.19             | 74.00             | -15.81         | 5.37           | 3           | V             | 276            | 3.54          | -        |
| 5240MHz                      | Pass   | PK   | 5.2388G      | 105.38            | Inf               | -Inf           | 5.59           | 3           | V             | 276            | 3.54          | -        |
| 5240MHz                      | Pass   | PK   | 5.369G       | 57.83             | 74.00             | -16.17         | 5.80           | 3           | V             | 276            | 3.54          | -        |
| 5240MHz                      | Pass   | PK   | 10.48G       | 52.35             | 74.00             | -21.65         | 10.46          | 3           | V             | 0              | 1.50          | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5190MHz                      | Pass   | AV   | 5.149995G    | 53.04             | 54.00             | -0.96          | 5.44           | 3           | H             | 59             | 3.36          | -        |
| 5190MHz                      | Pass   | AV   | 5.188G       | 88.37             | Inf               | -Inf           | 5.52           | 3           | H             | 59             | 3.36          | -        |
| 5190MHz                      | Pass   | AV   | 10.38G       | 39.22             | 54.00             | -14.78         | 10.28          | 3           | H             | 360            | 1.50          | -        |
| 5190MHz                      | Pass   | PK   | 5.149995G    | 71.67             | 74.00             | -2.33          | 5.44           | 3           | H             | 59             | 3.36          | -        |
| 5190MHz                      | Pass   | PK   | 5.188G       | 100.51            | Inf               | -Inf           | 5.52           | 3           | H             | 59             | 3.36          | -        |
| 5190MHz                      | Pass   | PK   | 10.38G       | 53.98             | 74.00             | -20.02         | 10.28          | 3           | H             | 360            | 1.50          | -        |
| 5190MHz                      | Pass   | AV   | 5.149995G    | 46.51             | 54.00             | -7.49          | 5.44           | 3           | V             | 268            | 3.59          | -        |
| 5190MHz                      | Pass   | AV   | 5.1916G      | 88.83             | Inf               | -Inf           | 5.53           | 3           | V             | 268            | 3.59          | -        |
| 5190MHz                      | Pass   | AV   | 10.38G       | 39.02             | 54.00             | -14.98         | 10.28          | 3           | V             | 0              | 1.50          | -        |
| 5190MHz                      | Pass   | PK   | 5.149995G    | 62.70             | 74.00             | -11.30         | 5.44           | 3           | V             | 268            | 3.59          | -        |
| 5190MHz                      | Pass   | PK   | 5.1912G      | 100.60            | Inf               | -Inf           | 5.53           | 3           | V             | 268            | 3.59          | -        |
| 5190MHz                      | Pass   | PK   | 10.38G       | 53.16             | 74.00             | -20.84         | 10.28          | 3           | V             | 0              | 1.50          | -        |
| 5230MHz                      | Pass   | AV   | 5.1324G      | 45.56             | 54.00             | -8.44          | 5.40           | 3           | H             | 63             | 3.28          | -        |
| 5230MHz                      | Pass   | AV   | 5.2316G      | 89.58             | Inf               | -Inf           | 5.58           | 3           | H             | 63             | 3.28          | -        |

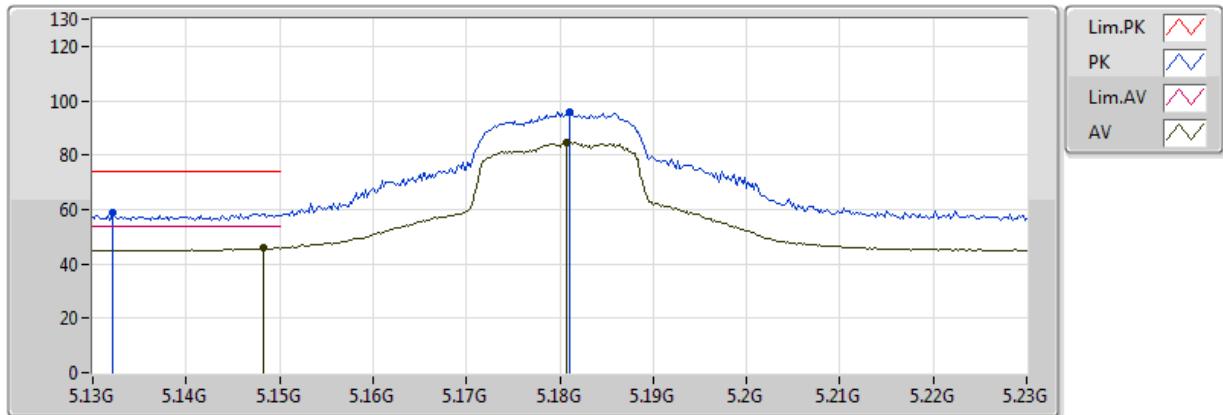
| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 5230MHz                      | Pass   | AV   | 10.46G       | 40.50             | 54.00             | -13.50         | 10.42          | 3           | H             | 0              | 1.50          | -        |
| 5230MHz                      | Pass   | PK   | 5.1384G      | 58.70             | 74.00             | -15.30         | 5.41           | 3           | H             | 63             | 3.28          | -        |
| 5230MHz                      | Pass   | PK   | 5.228G       | 100.97            | Inf               | -Inf           | 5.58           | 3           | H             | 63             | 3.28          | -        |
| 5230MHz                      | Pass   | PK   | 10.46G       | 54.16             | 74.00             | -19.84         | 10.42          | 3           | H             | 0              | 1.50          | -        |
| 5230MHz                      | Pass   | AV   | 5.1304G      | 45.24             | 54.00             | -8.76          | 5.40           | 3           | V             | 266            | 3.37          | -        |
| 5230MHz                      | Pass   | AV   | 5.2284G      | 91.56             | Inf               | -Inf           | 5.58           | 3           | V             | 266            | 3.37          | -        |
| 5230MHz                      | Pass   | AV   | 10.46G       | 38.96             | 54.00             | -15.04         | 10.42          | 3           | V             | 360            | 1.50          | -        |
| 5230MHz                      | Pass   | PK   | 5.1328G      | 59.07             | 74.00             | -14.93         | 5.40           | 3           | V             | 266            | 3.37          | -        |
| 5230MHz                      | Pass   | PK   | 5.2268G      | 103.64            | Inf               | -Inf           | 5.58           | 3           | V             | 266            | 3.37          | -        |
| 5230MHz                      | Pass   | PK   | 10.46G       | 51.77             | 74.00             | -22.23         | 10.42          | 3           | V             | 360            | 1.50          | -        |
| 802.11a_(6Mbps)_1TX          | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5745MHz                      | Pass   | AV   | 5.7438G      | 98.38             | Inf               | -Inf           | 6.40           | 3           | H             | 347            | 1.00          | -        |
| 5745MHz                      | Pass   | AV   | 11.49G       | 40.97             | 54.00             | -13.03         | 12.03          | 3           | H             | 360            | 1.50          | -        |
| 5745MHz                      | Pass   | PK   | 5.5422G      | 59.16             | 68.20             | -9.04          | 6.14           | 3           | H             | 347            | 1.00          | -        |
| 5745MHz                      | Pass   | PK   | 5.7462G      | 109.02            | Inf               | -Inf           | 6.40           | 3           | H             | 347            | 1.00          | -        |
| 5745MHz                      | Pass   | PK   | 5.9682G      | 58.74             | 68.20             | -9.46          | 6.67           | 3           | H             | 347            | 1.00          | -        |
| 5745MHz                      | Pass   | PK   | 11.49G       | 53.36             | 74.00             | -20.64         | 12.03          | 3           | H             | 360            | 1.50          | -        |
| 5745MHz                      | Pass   | AV   | 5.7438G      | 97.04             | Inf               | -Inf           | 6.40           | 3           | V             | 40             | 1.98          | -        |
| 5745MHz                      | Pass   | AV   | 11.49G       | 41.11             | 54.00             | -12.89         | 12.03          | 3           | V             | 0              | 1.50          | -        |
| 5745MHz                      | Pass   | PK   | 5.631G       | 59.18             | 68.20             | -9.02          | 6.27           | 3           | V             | 40             | 1.98          | -        |
| 5745MHz                      | Pass   | PK   | 5.7438G      | 107.16            | Inf               | -Inf           | 6.40           | 3           | V             | 40             | 1.98          | -        |
| 5745MHz                      | Pass   | PK   | 5.9334G      | 58.21             | 68.20             | -9.99          | 6.62           | 3           | V             | 40             | 1.98          | -        |
| 5745MHz                      | Pass   | PK   | 11.49G       | 53.77             | 74.00             | -20.23         | 12.03          | 3           | V             | 0              | 1.50          | -        |
| 5785MHz                      | Pass   | AV   | 5.7838G      | 96.03             | Inf               | -Inf           | 6.42           | 3           | H             | 43             | 1.50          | -        |
| 5785MHz                      | Pass   | AV   | 11.57G       | 40.54             | 54.00             | -13.46         | 12.14          | 3           | H             | 360            | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 5.6098G      | 60.34             | 68.20             | -7.86          | 6.24           | 3           | H             | 43             | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 5.7838G      | 105.96            | Inf               | -Inf           | 6.42           | 3           | H             | 43             | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 5.9482G      | 58.33             | 68.20             | -9.87          | 6.64           | 3           | H             | 43             | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 11.57G       | 53.28             | 74.00             | -20.72         | 12.14          | 3           | H             | 360            | 1.50          | -        |
| 5785MHz                      | Pass   | AV   | 5.7838G      | 95.33             | Inf               | -Inf           | 6.42           | 3           | V             | 279            | 3.05          | -        |
| 5785MHz                      | Pass   | AV   | 11.57G       | 39.60             | 54.00             | -14.40         | 12.14          | 3           | V             | 0              | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 5.5918G      | 59.79             | 68.20             | -8.41          | 6.22           | 3           | V             | 279            | 3.05          | -        |
| 5785MHz                      | Pass   | PK   | 5.7838G      | 105.16            | Inf               | -Inf           | 6.42           | 3           | V             | 279            | 3.05          | -        |
| 5785MHz                      | Pass   | PK   | 5.9866G      | 58.61             | 68.20             | -9.59          | 6.70           | 3           | V             | 279            | 3.05          | -        |
| 5785MHz                      | Pass   | PK   | 11.57G       | 53.21             | 74.00             | -20.79         | 12.14          | 3           | V             | 0              | 1.50          | -        |
| 5825MHz                      | Pass   | AV   | 5.8238G      | 98.46             | Inf               | -Inf           | 6.46           | 3           | H             | 337            | 1.00          | -        |
| 5825MHz                      | Pass   | AV   | 11.65G       | 40.54             | 54.00             | -13.46         | 12.24          | 3           | H             | 360            | 1.50          | -        |
| 5825MHz                      | Pass   | PK   | 5.5634G      | 59.52             | 68.20             | -8.68          | 6.18           | 3           | H             | 337            | 1.00          | -        |
| 5825MHz                      | Pass   | PK   | 5.8226G      | 108.51            | Inf               | -Inf           | 6.46           | 3           | H             | 337            | 1.00          | -        |
| 5825MHz                      | Pass   | PK   | 5.9366G      | 58.59             | 68.20             | -9.61          | 6.62           | 3           | H             | 337            | 1.00          | -        |
| 5825MHz                      | Pass   | PK   | 11.65G       | 53.38             | 74.00             | -20.62         | 12.24          | 3           | H             | 360            | 1.50          | -        |
| 5825MHz                      | Pass   | AV   | 5.8238G      | 95.43             | Inf               | -Inf           | 6.46           | 3           | V             | 33             | 1.84          | -        |
| 5825MHz                      | Pass   | AV   | 11.65G       | 40.59             | 54.00             | -13.41         | 12.24          | 3           | V             | 0              | 1.50          | -        |
| 5825MHz                      | Pass   | PK   | 5.5826G      | 59.80             | 68.20             | -8.40          | 6.20           | 3           | V             | 33             | 1.84          | -        |
| 5825MHz                      | Pass   | PK   | 5.8262G      | 105.62            | Inf               | -Inf           | 6.47           | 3           | V             | 33             | 1.84          | -        |
| 5825MHz                      | Pass   | PK   | 5.9414G      | 58.45             | 68.20             | -9.75          | 6.63           | 3           | V             | 33             | 1.84          | -        |
| 5825MHz                      | Pass   | PK   | 11.65G       | 54.58             | 74.00             | -19.42         | 12.24          | 3           | V             | 0              | 1.50          | -        |
| 802.11n HT20_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5745MHz                      | Pass   | AV   | 5.7462G      | 97.98             | Inf               | -Inf           | 6.40           | 3           | H             | 344            | 1.00          | -        |

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 5745MHz                      | Pass   | AV   | 11.49G       | 40.99             | 54.00             | -13.01         | 12.03          | 3           | H             | 0              | 1.50          | -        |
| 5745MHz                      | Pass   | PK   | 5.5206G      | 59.44             | 68.20             | -8.76          | 6.11           | 3           | H             | 344            | 1.00          | -        |
| 5745MHz                      | Pass   | PK   | 5.7438G      | 108.50            | Inf               | -Inf           | 6.40           | 3           | H             | 344            | 1.00          | -        |
| 5745MHz                      | Pass   | PK   | 5.985G       | 58.57             | 68.20             | -9.63          | 6.70           | 3           | H             | 344            | 1.00          | -        |
| 5745MHz                      | Pass   | PK   | 11.49G       | 53.41             | 74.00             | -20.59         | 12.03          | 3           | H             | 0              | 1.50          | -        |
| 5745MHz                      | Pass   | AV   | 5.745G       | 96.51             | Inf               | -Inf           | 6.40           | 3           | V             | 30             | 1.96          | -        |
| 5745MHz                      | Pass   | AV   | 11.49G       | 40.15             | 54.00             | -13.85         | 12.03          | 3           | V             | 360            | 1.50          | -        |
| 5745MHz                      | Pass   | PK   | 5.625G       | 59.61             | 68.20             | -8.59          | 6.27           | 3           | V             | 30             | 1.96          | -        |
| 5745MHz                      | Pass   | PK   | 5.7462G      | 106.57            | Inf               | -Inf           | 6.40           | 3           | V             | 30             | 1.96          | -        |
| 5745MHz                      | Pass   | PK   | 5.9406G      | 58.54             | 68.20             | -9.66          | 6.63           | 3           | V             | 30             | 1.96          | -        |
| 5745MHz                      | Pass   | PK   | 11.49G       | 54.82             | 74.00             | -19.18         | 12.03          | 3           | V             | 360            | 1.50          | -        |
| 5785MHz                      | Pass   | AV   | 5.7838G      | 95.97             | Inf               | -Inf           | 6.42           | 3           | H             | 50             | 1.51          | -        |
| 5785MHz                      | Pass   | AV   | 11.57G       | 40.42             | 54.00             | -13.58         | 12.14          | 3           | H             | 360            | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 5.593G       | 58.80             | 68.20             | -9.40          | 6.22           | 3           | H             | 50             | 1.51          | -        |
| 5785MHz                      | Pass   | PK   | 5.785G       | 105.65            | Inf               | -Inf           | 6.42           | 3           | H             | 50             | 1.51          | -        |
| 5785MHz                      | Pass   | PK   | 5.9578G      | 58.19             | 68.20             | -10.01         | 6.66           | 3           | H             | 50             | 1.51          | -        |
| 5785MHz                      | Pass   | PK   | 11.57G       | 53.17             | 74.00             | -20.83         | 12.14          | 3           | H             | 360            | 1.50          | -        |
| 5785MHz                      | Pass   | AV   | 5.785G       | 95.65             | Inf               | -Inf           | 6.42           | 3           | V             | 260            | 1.84          | -        |
| 5785MHz                      | Pass   | AV   | 11.57G       | 40.53             | 54.00             | -13.47         | 12.14          | 3           | V             | 0              | 1.50          | -        |
| 5785MHz                      | Pass   | PK   | 5.569G       | 59.50             | 68.20             | -8.70          | 6.18           | 3           | V             | 260            | 1.84          | -        |
| 5785MHz                      | Pass   | PK   | 5.7838G      | 106.60            | Inf               | -Inf           | 6.42           | 3           | V             | 260            | 1.84          | -        |
| 5785MHz                      | Pass   | PK   | 5.9878G      | 59.96             | 68.20             | -8.24          | 6.70           | 3           | V             | 260            | 1.84          | -        |
| 5785MHz                      | Pass   | PK   | 11.57G       | 54.03             | 74.00             | -19.97         | 12.14          | 3           | V             | 0              | 1.50          | -        |
| 5825MHz                      | Pass   | AV   | 5.8238G      | 98.03             | Inf               | -Inf           | 6.46           | 3           | H             | 337            | 1.01          | -        |
| 5825MHz                      | Pass   | AV   | 11.65G       | 40.37             | 54.00             | -13.63         | 12.24          | 3           | H             | 360            | 1.50          | -        |
| 5825MHz                      | Pass   | PK   | 5.5706G      | 59.38             | 68.20             | -8.82          | 6.19           | 3           | H             | 337            | 1.01          | -        |
| 5825MHz                      | Pass   | PK   | 5.8226G      | 109.18            | Inf               | -Inf           | 6.46           | 3           | H             | 337            | 1.01          | -        |
| 5825MHz                      | Pass   | PK   | 5.927G       | 59.46             | 68.20             | -8.74          | 6.61           | 3           | H             | 337            | 1.01          | -        |
| 5825MHz                      | Pass   | PK   | 11.65G       | 53.66             | 74.00             | -20.34         | 12.24          | 3           | H             | 360            | 1.50          | -        |
| 5825MHz                      | Pass   | AV   | 5.8238G      | 94.98             | Inf               | -Inf           | 6.46           | 3           | V             | 282            | 1.70          | -        |
| 5825MHz                      | Pass   | AV   | 11.65G       | 39.57             | 54.00             | -14.43         | 12.24          | 3           | V             | 0              | 1.50          | -        |
| 5825MHz                      | Pass   | PK   | 5.5898G      | 59.32             | 68.20             | -8.88          | 6.21           | 3           | V             | 282            | 1.70          | -        |
| 5825MHz                      | Pass   | PK   | 5.8262G      | 104.71            | Inf               | -Inf           | 6.47           | 3           | V             | 282            | 1.70          | -        |
| 5825MHz                      | Pass   | PK   | 5.9702G      | 58.49             | 68.20             | -9.71          | 6.68           | 3           | V             | 282            | 1.70          | -        |
| 5825MHz                      | Pass   | PK   | 11.65G       | 53.45             | 74.00             | -20.55         | 12.24          | 3           | V             | 0              | 1.50          | -        |
| 802.11n HT40_Nss1,(MCS0)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 5755MHz                      | Pass   | AV   | 5.7562G      | 92.77             | Inf               | -Inf           | 6.40           | 3           | H             | 344            | 1.07          | -        |
| 5755MHz                      | Pass   | AV   | 11.51G       | 39.46             | 54.00             | -14.54         | 12.06          | 3           | H             | 360            | 1.50          | -        |
| 5755MHz                      | Pass   | PK   | 5.647G       | 59.56             | 68.20             | -8.64          | 6.30           | 3           | H             | 344            | 1.07          | -        |
| 5755MHz                      | Pass   | PK   | 5.7574G      | 104.73            | Inf               | -Inf           | 6.40           | 3           | H             | 344            | 1.07          | -        |
| 5755MHz                      | Pass   | PK   | 5.977G       | 58.80             | 68.20             | -9.40          | 6.69           | 3           | H             | 344            | 1.07          | -        |
| 5755MHz                      | Pass   | PK   | 11.51G       | 53.82             | 74.00             | -20.18         | 12.06          | 3           | H             | 360            | 1.50          | -        |
| 5755MHz                      | Pass   | AV   | 5.7526G      | 91.49             | Inf               | -Inf           | 6.40           | 3           | V             | 26             | 1.62          | -        |
| 5755MHz                      | Pass   | AV   | 11.51G       | 39.70             | 54.00             | -14.30         | 12.06          | 3           | V             | 0              | 1.50          | -        |
| 5755MHz                      | Pass   | PK   | 5.629G       | 59.51             | 68.20             | -8.69          | 6.27           | 3           | V             | 26             | 1.62          | -        |
| 5755MHz                      | Pass   | PK   | 5.7526G      | 102.92            | Inf               | -Inf           | 6.40           | 3           | V             | 26             | 1.62          | -        |
| 5755MHz                      | Pass   | PK   | 5.9302G      | 58.47             | 68.20             | -9.73          | 6.62           | 3           | V             | 26             | 1.62          | -        |
| 5755MHz                      | Pass   | PK   | 11.51G       | 53.56             | 74.00             | -20.44         | 12.06          | 3           | V             | 0              | 1.50          | -        |
| 5795MHz                      | Pass   | AV   | 5.7974G      | 93.25             | Inf               | -Inf           | 6.43           | 3           | H             | 344            | 1.03          | -        |

| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 5795MHz | Pass   | AV   | 11.59G       | 40.15             | 54.00             | -13.85         | 12.16          | 3           | H             | 332            | 1.97          | -        |
| 5795MHz | Pass   | PK   | 5.5358G      | 58.89             | 68.20             | -9.31          | 6.13           | 3           | H             | 344            | 1.03          | -        |
| 5795MHz | Pass   | PK   | 5.7962G      | 104.73            | Inf               | -Inf           | 6.43           | 3           | H             | 344            | 1.03          | -        |
| 5795MHz | Pass   | PK   | 5.9606G      | 59.67             | 68.20             | -8.53          | 6.66           | 3           | H             | 344            | 1.03          | -        |
| 5795MHz | Pass   | PK   | 11.59G       | 54.24             | 74.00             | -19.76         | 12.16          | 3           | H             | 332            | 1.97          | -        |
| 5795MHz | Pass   | AV   | 5.7974G      | 90.92             | Inf               | -Inf           | 6.43           | 3           | V             | 281            | 1.89          | -        |
| 5795MHz | Pass   | AV   | 11.59G       | 39.78             | 54.00             | -14.22         | 12.16          | 3           | V             | 337            | 1.53          | -        |
| 5795MHz | Pass   | PK   | 5.6126G      | 59.05             | 68.20             | -9.15          | 6.25           | 3           | V             | 281            | 1.89          | -        |
| 5795MHz | Pass   | PK   | 5.7962G      | 103.02            | Inf               | -Inf           | 6.43           | 3           | V             | 281            | 1.89          | -        |
| 5795MHz | Pass   | PK   | 5.987G       | 58.55             | 68.20             | -9.65          | 6.70           | 3           | V             | 281            | 1.89          | -        |
| 5795MHz | Pass   | PK   | 11.59G       | 54.18             | 74.00             | -19.82         | 12.16          | 3           | V             | 337            | 1.53          | -        |

## 802.11a\_(6Mbps)\_1TX

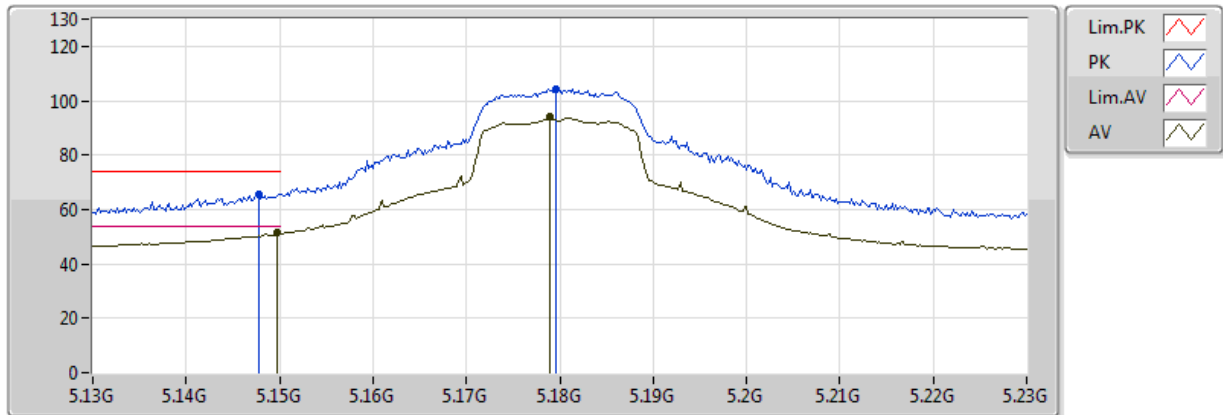
## 5180MHz\_TX



EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1808G  | 84.67         | Inf           | -Inf       | 5.51       | 3       | V         | 269        | 3.63      | -        |
| AV   | 5.1482G  | 46.02         | 54.00         | -7.98      | 5.44       | 3       | V         | 269        | 3.63      | -        |
| PK   | 5.181G   | 95.98         | Inf           | -Inf       | 5.51       | 3       | V         | 269        | 3.63      | -        |
| PK   | 5.1322G  | 58.70         | 74.00         | -15.30     | 5.40       | 3       | V         | 269        | 3.63      | -        |



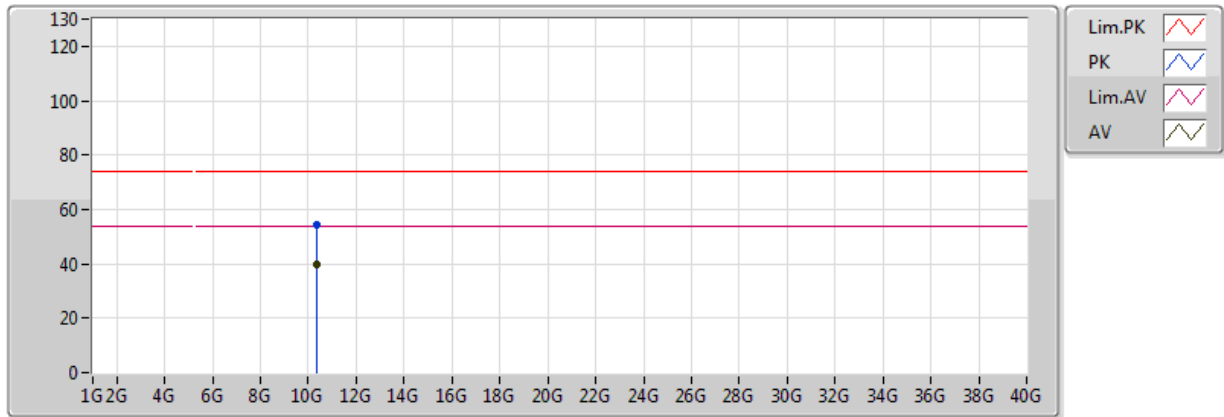
**802.11a\_(6Mbps)\_1TX**
**5180MHz\_TX**


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1498G  | 51.73         | 54.00         | -2.27      | 5.44       | 3       | H         | 68         | 3.19      | -        |
| AV   | 5.179G   | 93.96         | Inf           | -Inf       | 5.50       | 3       | H         | 68         | 3.19      | -        |
| PK   | 5.1478G  | 65.75         | 74.00         | -8.25      | 5.44       | 3       | H         | 68         | 3.19      | -        |
| PK   | 5.1796G  | 104.48        | Inf           | -Inf       | 5.51       | 3       | H         | 68         | 3.19      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5180MHz\_TX

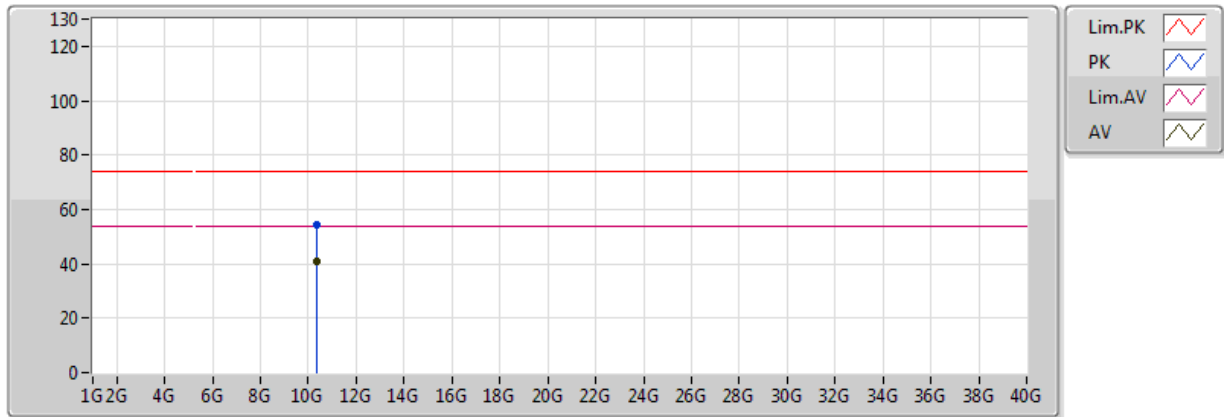


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.36G   | 39.96         | 54.00         | -14.04     | 10.25      | 3       | V         | 22         | 3.28      | -        |
| PK   | 10.36G   | 54.17         | 74.00         | -19.83     | 10.25      | 3       | V         | 22         | 3.28      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5180MHz\_TX

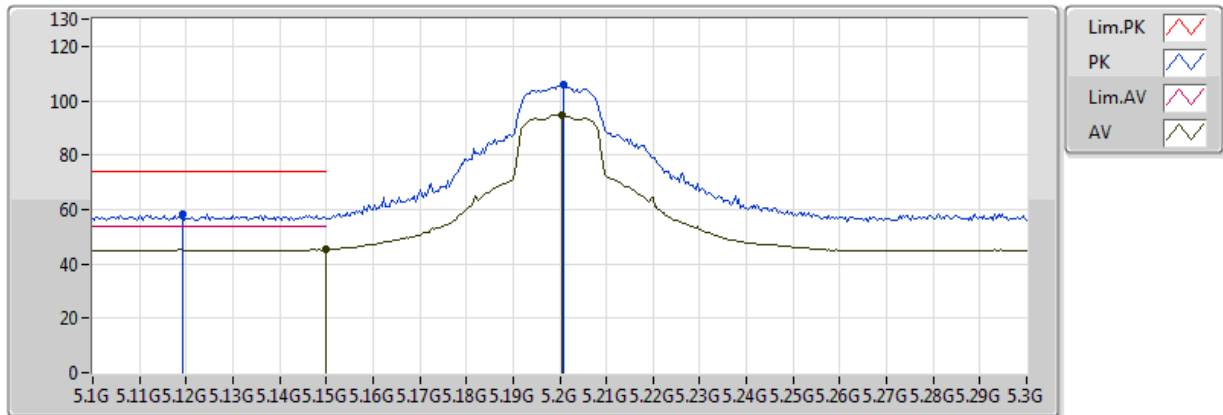


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.36G   | 41.03         | 54.00         | -12.97     | 10.25      | 3       | H         | 322        | 1.78      | -        |
| PK   | 10.36G   | 54.24         | 74.00         | -19.76     | 10.25      | 3       | H         | 322        | 1.78      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5200MHz\_TX

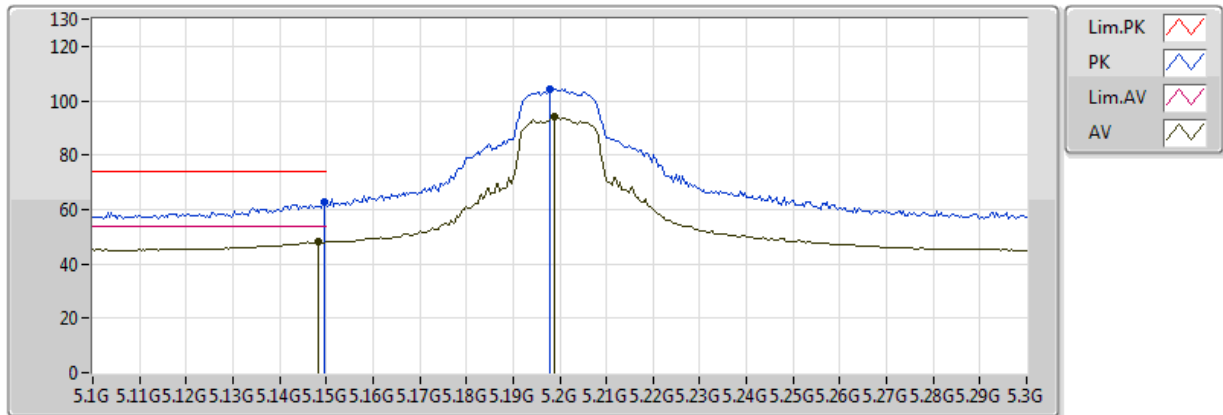


EUT=Y

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.149995G | 45.17         | 54.00         | -8.83      | 5.44       | 3       | V         | 290        | 3.59      | -        |
| AV   | 5.2004G   | 94.91         | Inf           | -Inf       | 5.55       | 3       | V         | 290        | 3.59      | -        |
| PK   | 5.1192G   | 58.08         | 74.00         | -15.92     | 5.37       | 3       | V         | 290        | 3.59      | -        |
| PK   | 5.2008G   | 105.73        | Inf           | -Inf       | 5.55       | 3       | V         | 290        | 3.59      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5200MHz\_TX

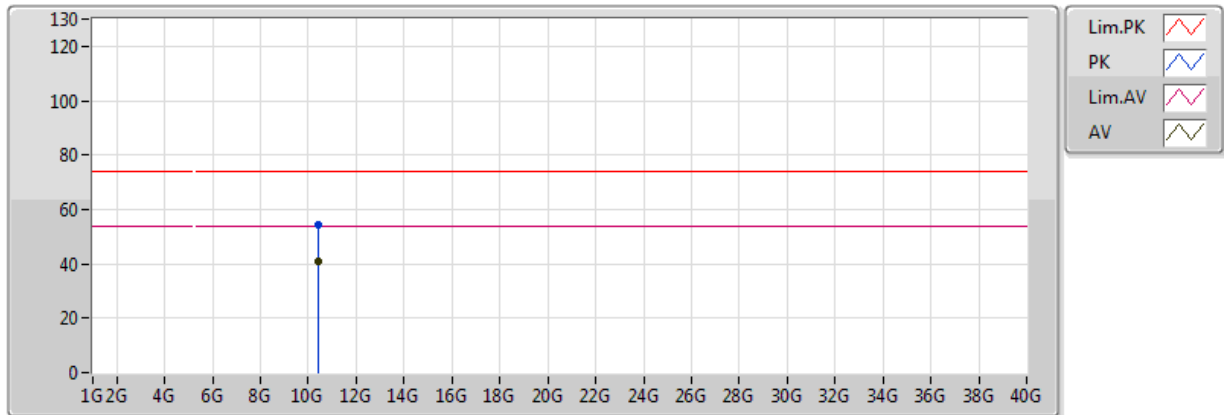


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1484G  | 48.19         | 54.00         | -5.81      | 5.44       | 3       | H         | 63         | 2.10      | -        |
| AV   | 5.1988G  | 94.07         | Inf           | -Inf       | 5.55       | 3       | H         | 63         | 2.10      | -        |
| PK   | 5.1496G  | 63.02         | 74.00         | -10.98     | 5.44       | 3       | H         | 63         | 2.10      | -        |
| PK   | 5.198G   | 104.10        | Inf           | -Inf       | 5.55       | 3       | H         | 63         | 2.10      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5200MHz\_TX

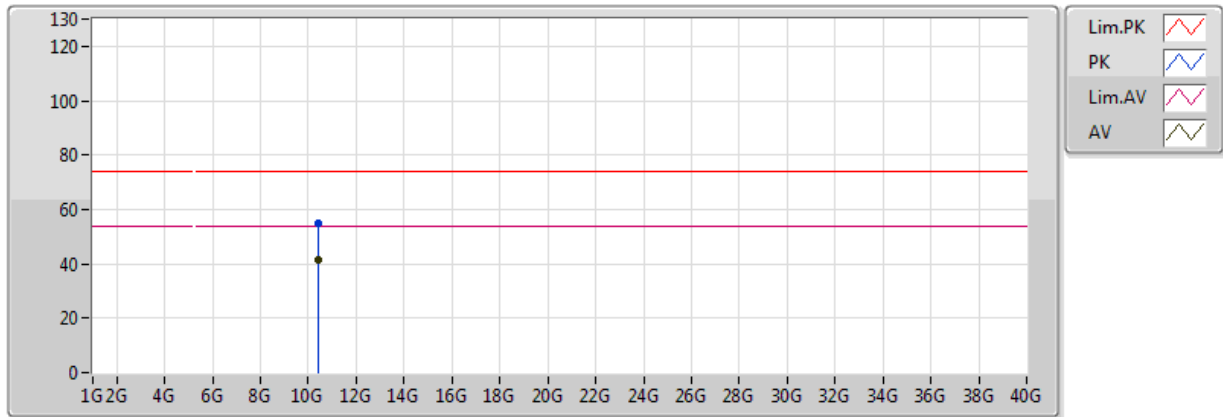


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.4G    | 40.82         | 54.00         | -13.18     | 10.32      | 3       | V         | 25         | 3.24      | -        |
| PK   | 10.4G    | 54.08         | 74.00         | -19.92     | 10.32      | 3       | V         | 25         | 3.24      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5200MHz\_TX

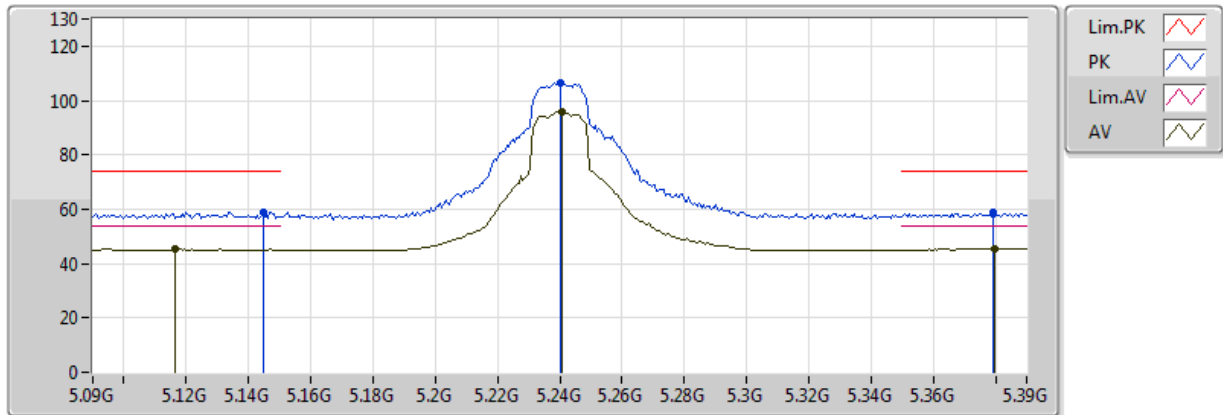


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.4G    | 41.39         | 54.00         | -12.61     | 10.32      | 3       | H         | 1          | 1.69      | -        |
| PK   | 10.4G    | 54.89         | 74.00         | -19.11     | 10.32      | 3       | H         | 1          | 1.69      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5240MHz\_TX



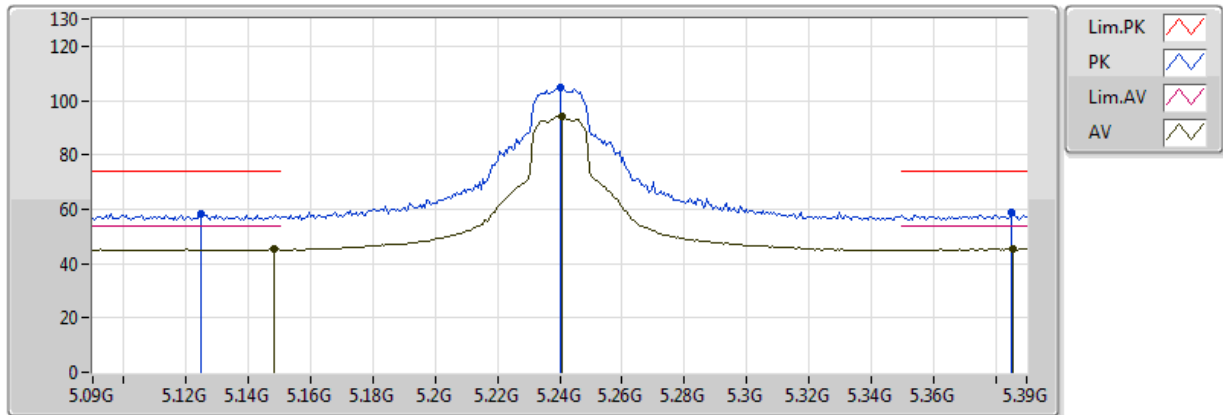
EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1164G  | 45.25         | 54.00         | -8.75      | 5.37       | 3       | V         | 261        | 3.53      | -        |
| AV   | 5.2406G  | 95.91         | Inf           | -Inf       | 5.59       | 3       | V         | 261        | 3.53      | -        |
| AV   | 5.3798G  | 45.38         | 54.00         | -8.62      | 5.83       | 3       | V         | 261        | 3.53      | -        |
| PK   | 5.1446G  | 58.89         | 74.00         | -15.11     | 5.43       | 3       | V         | 261        | 3.53      | -        |
| PK   | 5.24G    | 106.43        | Inf           | -Inf       | 5.59       | 3       | V         | 261        | 3.53      | -        |
| PK   | 5.3792G  | 58.66         | 74.00         | -15.34     | 5.82       | 3       | V         | 261        | 3.53      | -        |



## 802.11a\_(6Mbps)\_1TX

## 5240MHz\_TX

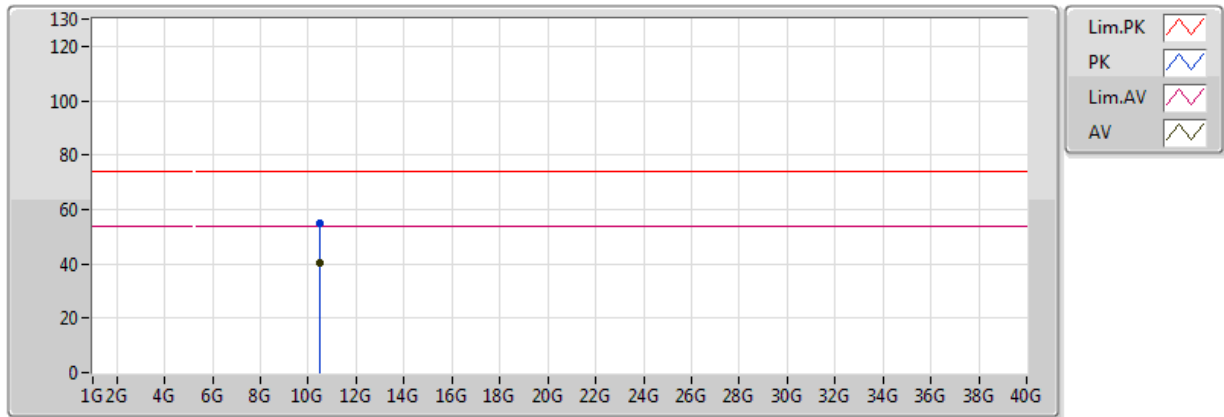


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1482G  | 45.25         | 54.00         | -8.75      | 5.44       | 3       | H         | 63         | 2.07      | -        |
| AV   | 5.2406G  | 94.40         | Inf           | -Inf       | 5.59       | 3       | H         | 63         | 2.07      | -        |
| AV   | 5.3858G  | 45.34         | 54.00         | -8.66      | 5.84       | 3       | H         | 63         | 2.07      | -        |
| PK   | 5.1248G  | 58.53         | 74.00         | -15.47     | 5.38       | 3       | H         | 63         | 2.07      | -        |
| PK   | 5.24G    | 104.73        | Inf           | -Inf       | 5.59       | 3       | H         | 63         | 2.07      | -        |
| PK   | 5.3852G  | 58.85         | 74.00         | -15.15     | 5.84       | 3       | H         | 63         | 2.07      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5240MHz\_TX

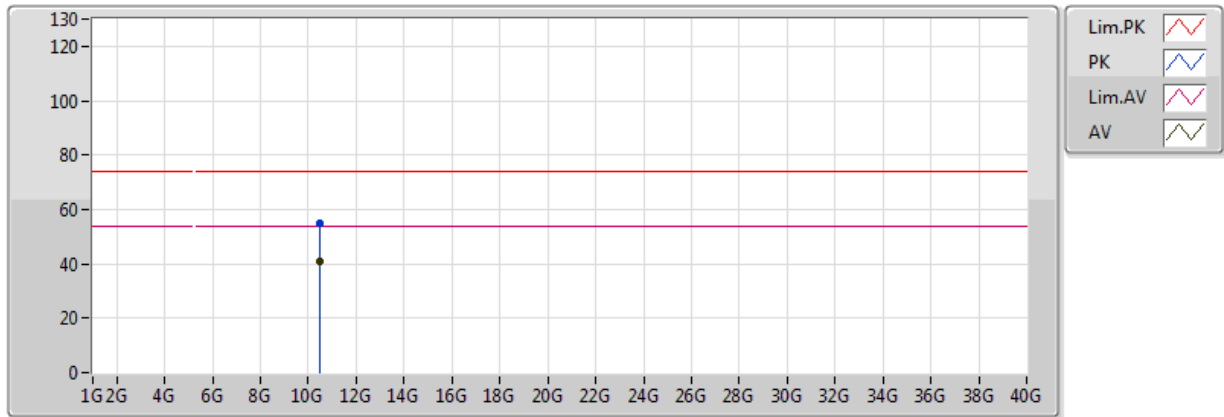


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.48G   | 40.34         | 54.00         | -13.66     | 10.46      | 3       | V         | 24         | 3.10      | -        |
| PK   | 10.48G   | 54.76         | 74.00         | -19.24     | 10.46      | 3       | V         | 24         | 3.10      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5240MHz\_TX

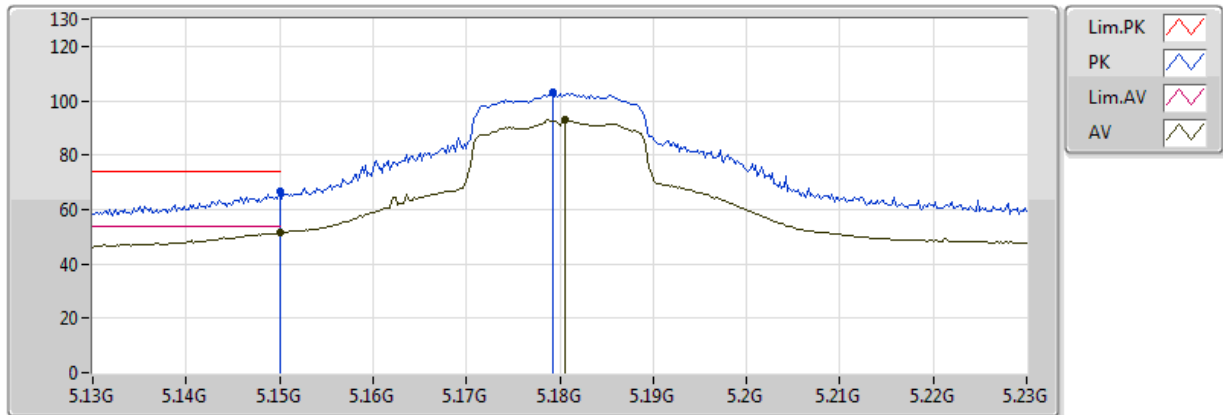


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.48G   | 40.95         | 54.00         | -13.05     | 10.46      | 3       | H         | 4          | 1.70      | -        |
| PK   | 10.48G   | 54.78         | 74.00         | -19.22     | 10.46      | 3       | H         | 4          | 1.70      | -        |

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

## 5180MHz\_TX

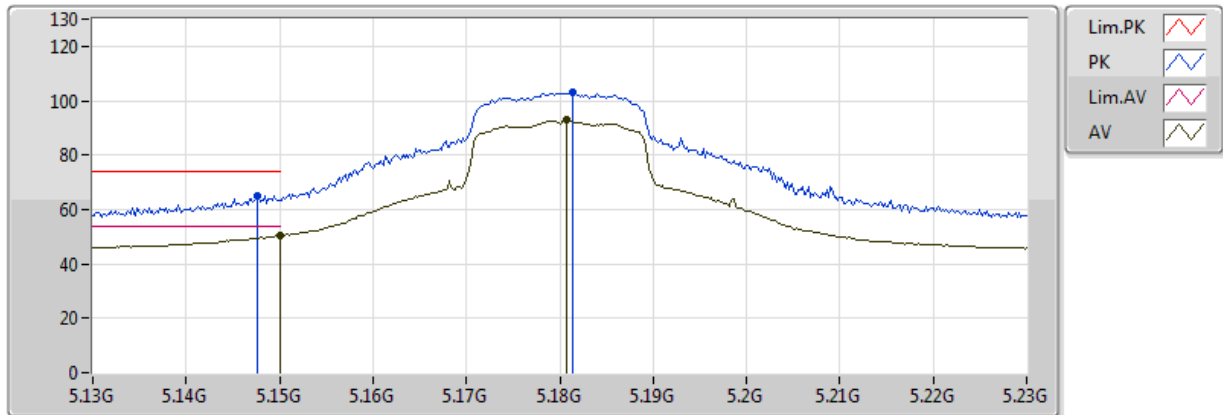


EUT=Y

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.149995G | 51.54         | 54.00         | -2.46      | 5.44       | 3       | V         | 255        | 1.92      | -        |
| AV   | 5.1806G   | 92.89         | Inf           | -Inf       | 5.51       | 3       | V         | 255        | 1.92      | -        |
| PK   | 5.149995G | 66.42         | 74.00         | -7.58      | 5.44       | 3       | V         | 255        | 1.92      | -        |
| PK   | 5.1792G   | 103.12        | Inf           | -Inf       | 5.50       | 3       | V         | 255        | 1.92      | -        |

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

## 5180MHz\_TX

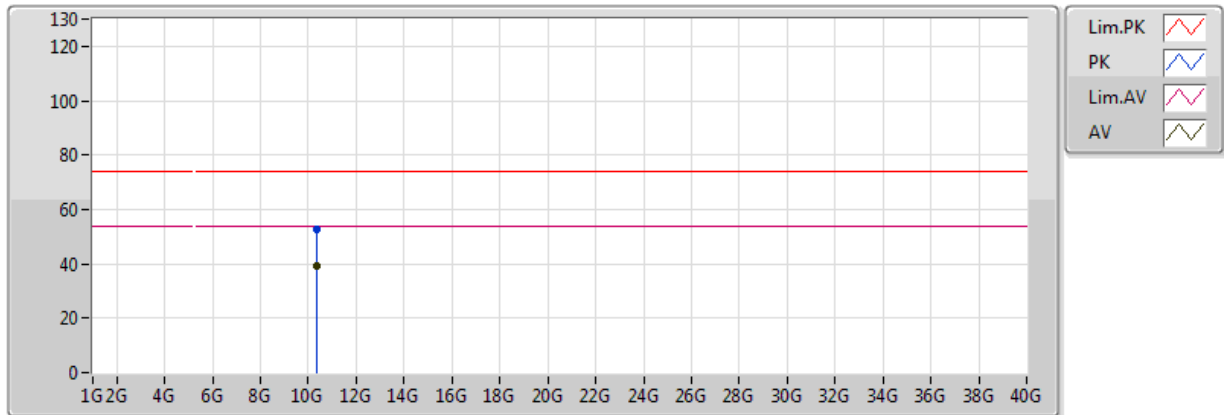


EUT=Y

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.149995G | 50.35         | 54.00         | -3.65      | 5.44       | 3       | H         | 55         | 3.20      | -        |
| AV   | 5.1808G   | 92.99         | Inf           | -Inf       | 5.51       | 3       | H         | 55         | 3.20      | -        |
| PK   | 5.1476G   | 65.05         | 74.00         | -8.95      | 5.43       | 3       | H         | 55         | 3.20      | -        |
| PK   | 5.1814G   | 103.03        | Inf           | -Inf       | 5.51       | 3       | H         | 55         | 3.20      | -        |

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

## 5180MHz\_TX

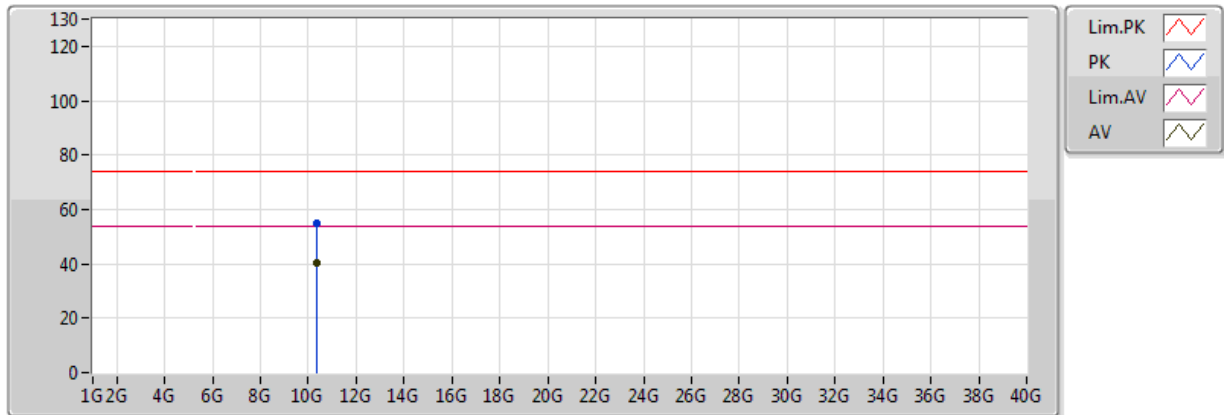


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.36G   | 39.10         | 54.00         | -14.90     | 10.25      | 3       | V         | 0          | 1.50      | -        |
| PK   | 10.36G   | 52.84         | 74.00         | -21.16     | 10.25      | 3       | V         | 0          | 1.50      | -        |

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

## 5180MHz\_TX

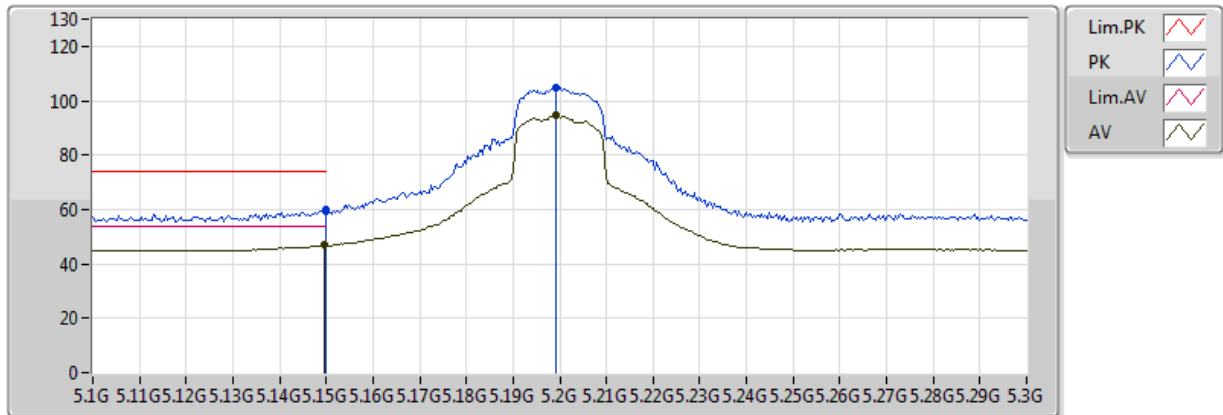


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.36G   | 40.21         | 54.00         | -13.79     | 10.25      | 3       | H         | 360        | 1.50      | -        |
| PK   | 10.36G   | 54.64         | 74.00         | -19.36     | 10.25      | 3       | H         | 360        | 1.50      | -        |

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

## 5200MHz\_TX



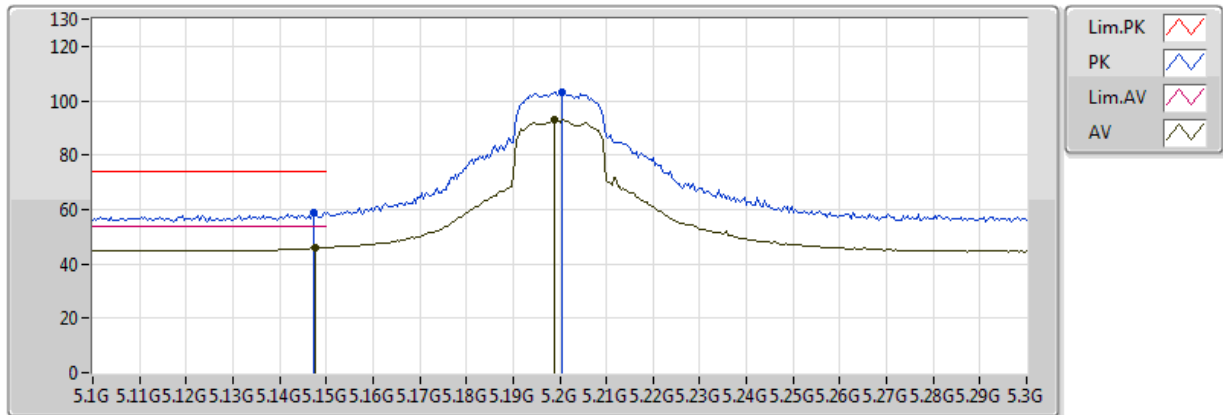
EUT=Y

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1496G   | 46.84         | 54.00         | -7.16      | 5.44       | 3       | V         | 272        | 3.61      | -        |
| AV   | 5.1992G   | 94.67         | Inf           | -Inf       | 5.55       | 3       | V         | 272        | 3.61      | -        |
| PK   | 5.149995G | 59.83         | 74.00         | -14.17     | 5.44       | 3       | V         | 272        | 3.61      | -        |
| PK   | 5.1992G   | 104.97        | Inf           | -Inf       | 5.55       | 3       | V         | 272        | 3.61      | -        |



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

## 5200MHz\_TX

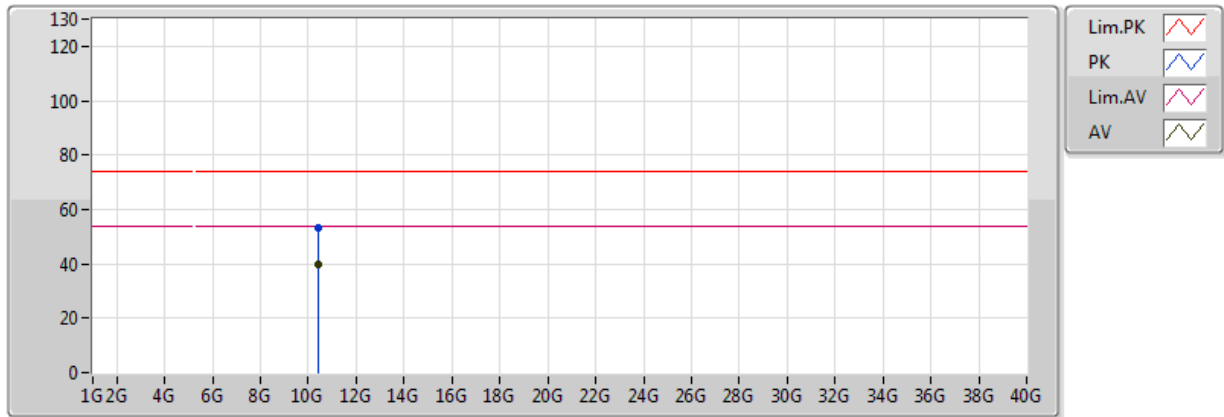


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1476G  | 46.04         | 54.00         | -7.96      | 5.43       | 3       | H         | 69         | 3.15      | -        |
| AV   | 5.1988G  | 92.96         | Inf           | -Inf       | 5.55       | 3       | H         | 69         | 3.15      | -        |
| PK   | 5.1472G  | 58.85         | 74.00         | -15.15     | 5.43       | 3       | H         | 69         | 3.15      | -        |
| PK   | 5.2004G  | 103.29        | Inf           | -Inf       | 5.55       | 3       | H         | 69         | 3.15      | -        |

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

## 5200MHz\_TX

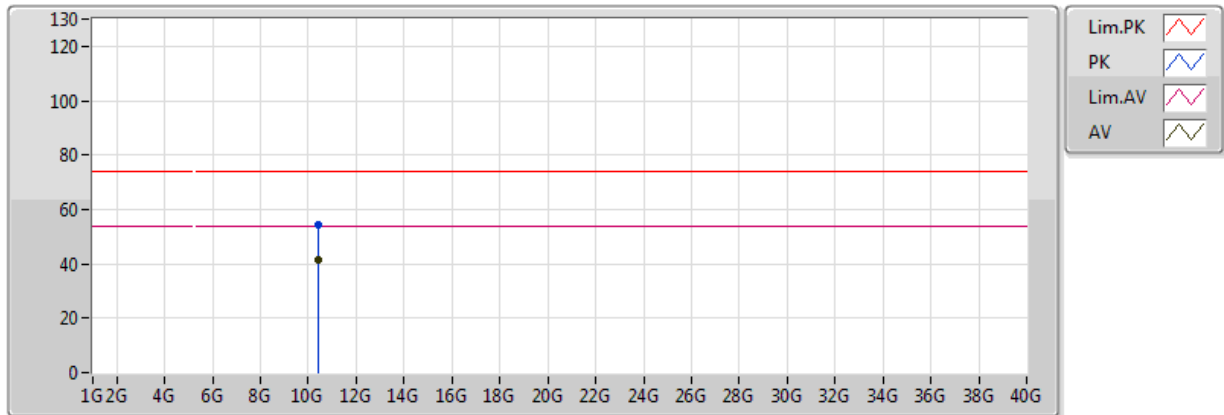


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.4G    | 39.67         | 54.00         | -14.33     | 10.32      | 3       | V         | 0          | 1.50      | -        |
| PK   | 10.4G    | 53.21         | 74.00         | -20.79     | 10.32      | 3       | V         | 0          | 1.50      | -        |

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

## 5200MHz\_TX

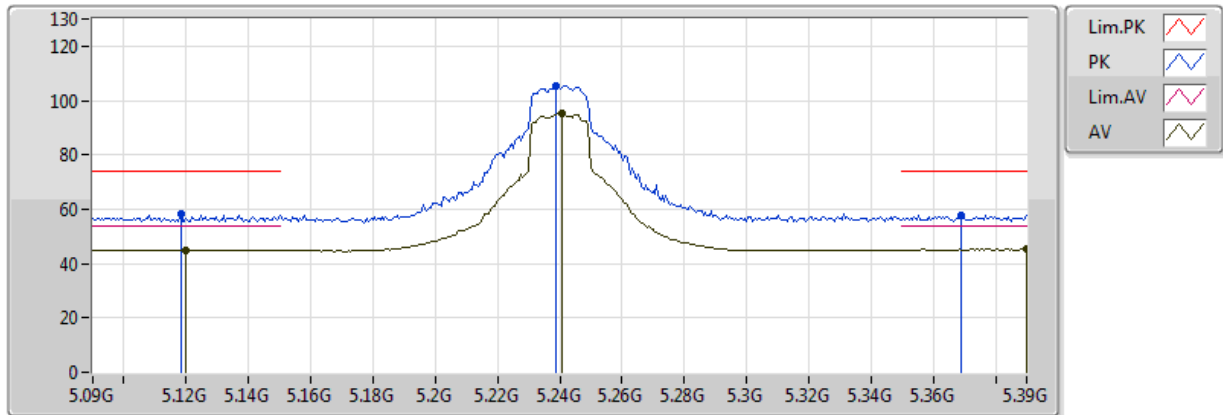


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.4G    | 41.29         | 54.00         | -12.71     | 10.32      | 3       | H         | 360        | 1.50      | -        |
| PK   | 10.4G    | 54.18         | 74.00         | -19.82     | 10.32      | 3       | H         | 360        | 1.50      | -        |

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

## 5240MHz\_TX

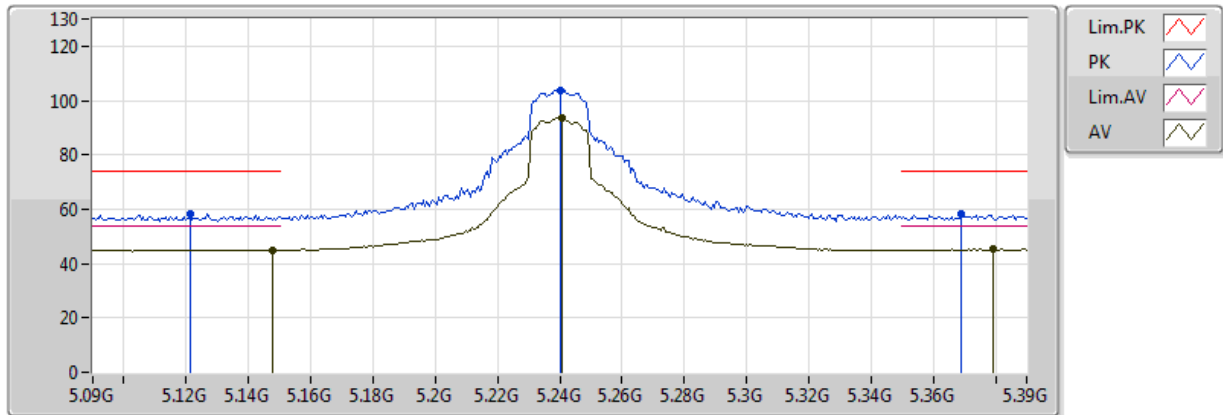


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.12G    | 45.10         | 54.00         | -8.90      | 5.37       | 3       | V         | 276        | 3.54      | -        |
| AV   | 5.2406G  | 95.22         | Inf           | -Inf       | 5.59       | 3       | V         | 276        | 3.54      | -        |
| AV   | 5.39G    | 45.29         | 54.00         | -8.71      | 5.85       | 3       | V         | 276        | 3.54      | -        |
| PK   | 5.1182G  | 58.19         | 74.00         | -15.81     | 5.37       | 3       | V         | 276        | 3.54      | -        |
| PK   | 5.2388G  | 105.38        | Inf           | -Inf       | 5.59       | 3       | V         | 276        | 3.54      | -        |
| PK   | 5.369G   | 57.83         | 74.00         | -16.17     | 5.80       | 3       | V         | 276        | 3.54      | -        |

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

## 5240MHz\_TX

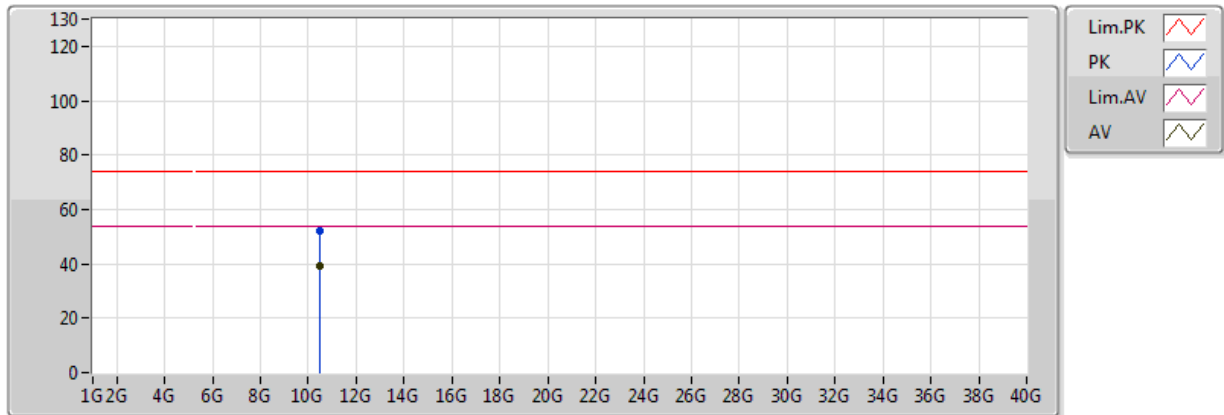


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1476G  | 45.06         | 54.00         | -8.94      | 5.43       | 3       | H         | 59         | 2.15      | -        |
| AV   | 5.2406G  | 93.68         | Inf           | -Inf       | 5.59       | 3       | H         | 59         | 2.15      | -        |
| AV   | 5.3792G  | 45.27         | 54.00         | -8.73      | 5.82       | 3       | H         | 59         | 2.15      | -        |
| PK   | 5.1212G  | 58.15         | 74.00         | -15.85     | 5.38       | 3       | H         | 59         | 2.15      | -        |
| PK   | 5.24G    | 103.82        | Inf           | -Inf       | 5.59       | 3       | H         | 59         | 2.15      | -        |
| PK   | 5.369G   | 58.11         | 74.00         | -15.89     | 5.80       | 3       | H         | 59         | 2.15      | -        |

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

## 5240MHz\_TX

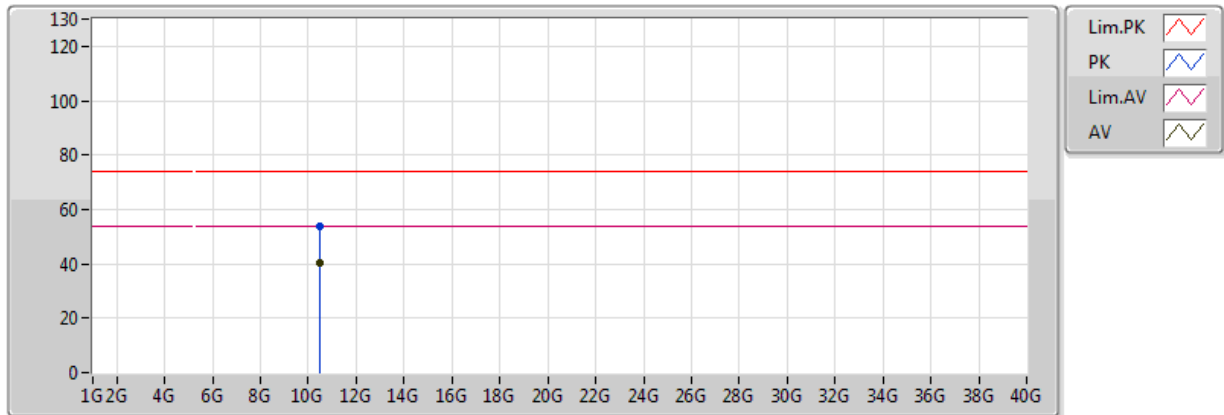


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.48G   | 39.05         | 54.00         | -14.95     | 10.46      | 3       | V         | 0          | 1.50      | -        |
| PK   | 10.48G   | 52.35         | 74.00         | -21.65     | 10.46      | 3       | V         | 0          | 1.50      | -        |

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

## 5240MHz\_TX

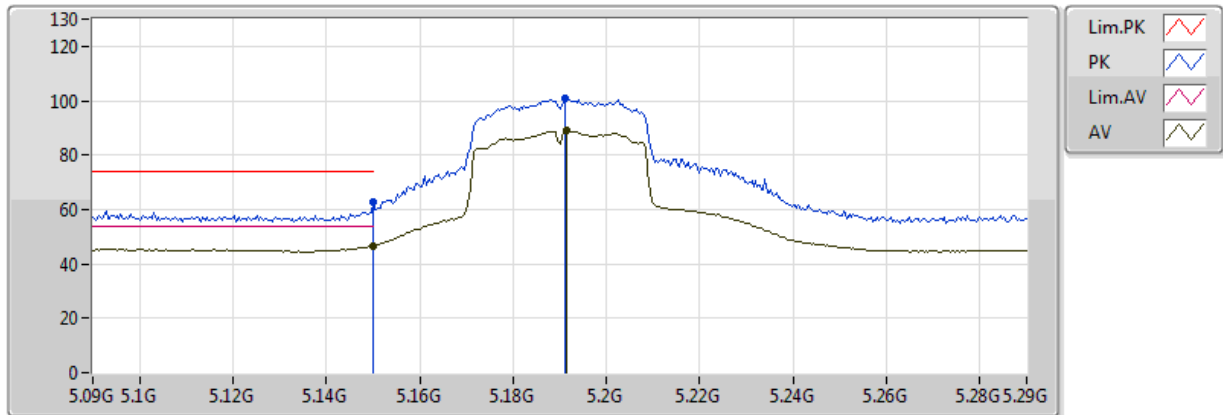


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.48G   | 40.47         | 54.00         | -13.53     | 10.46      | 3       | H         | 360        | 1.50      | -        |
| PK   | 10.48G   | 53.93         | 74.00         | -20.07     | 10.46      | 3       | H         | 360        | 1.50      | -        |

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

## 5190MHz\_TX



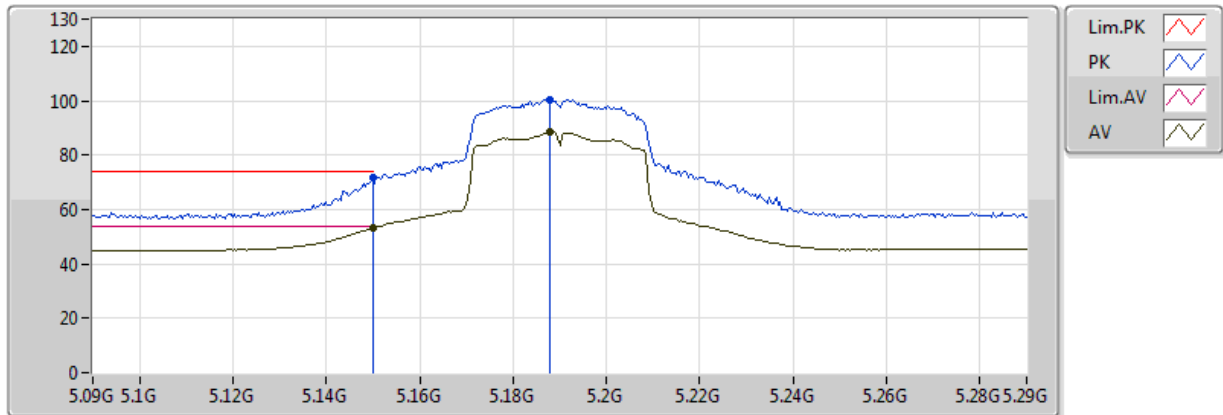
EUT=Y

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.149995G | 46.51         | 54.00         | -7.49      | 5.44       | 3       | V         | 268        | 3.59      | -        |
| AV   | 5.1916G   | 88.83         | Inf           | -Inf       | 5.53       | 3       | V         | 268        | 3.59      | -        |
| PK   | 5.149995G | 62.70         | 74.00         | -11.30     | 5.44       | 3       | V         | 268        | 3.59      | -        |
| PK   | 5.1912G   | 100.60        | Inf           | -Inf       | 5.53       | 3       | V         | 268        | 3.59      | -        |



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

## 5190MHz\_TX

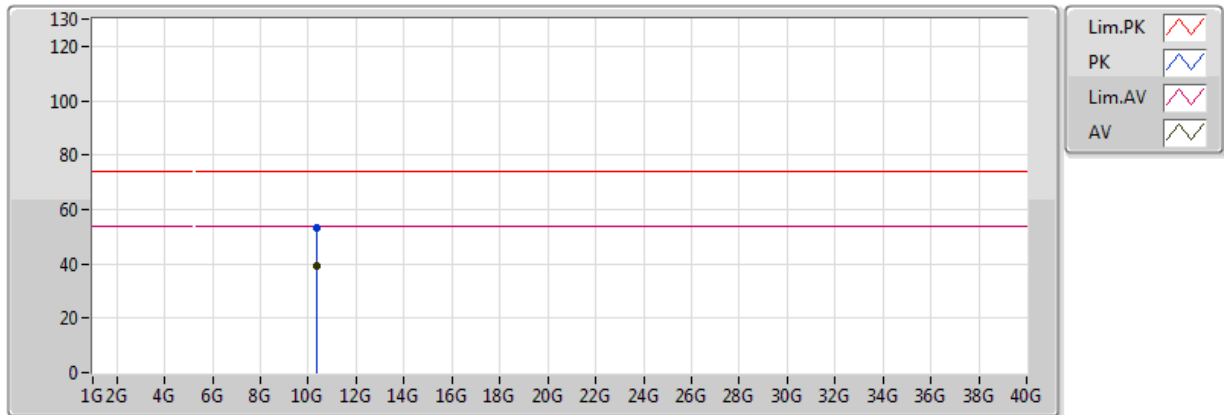


EUT=Y

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.149995G | 53.04         | 54.00         | -0.96      | 5.44       | 3       | H         | 59         | 3.36      | -        |
| AV   | 5.188G    | 88.37         | Inf           | -Inf       | 5.52       | 3       | H         | 59         | 3.36      | -        |
| PK   | 5.149995G | 71.67         | 74.00         | -2.33      | 5.44       | 3       | H         | 59         | 3.36      | -        |
| PK   | 5.188G    | 100.51        | Inf           | -Inf       | 5.52       | 3       | H         | 59         | 3.36      | -        |

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

## 5190MHz\_TX

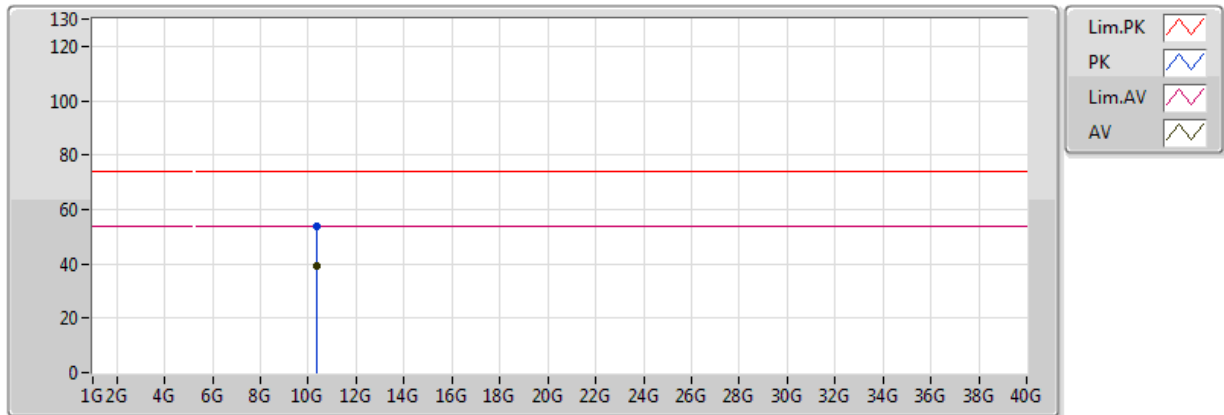


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.38G   | 39.02         | 54.00         | -14.98     | 10.28      | 3       | V         | 0          | 1.50      | -        |
| PK   | 10.38G   | 53.16         | 74.00         | -20.84     | 10.28      | 3       | V         | 0          | 1.50      | -        |

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

## 5190MHz\_TX

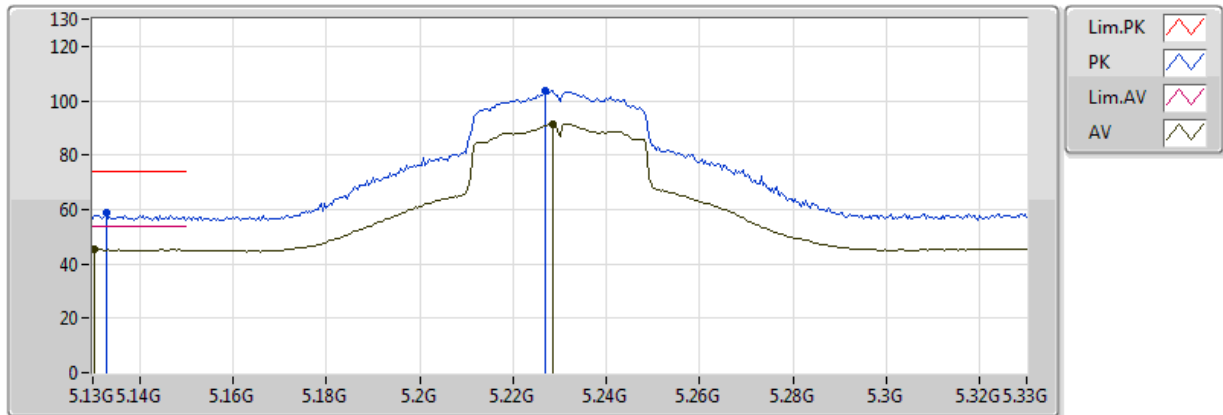


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.38G   | 39.22         | 54.00         | -14.78     | 10.28      | 3       | H         | 360        | 1.50      | -        |
| PK   | 10.38G   | 53.98         | 74.00         | -20.02     | 10.28      | 3       | H         | 360        | 1.50      | -        |

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

## 5230MHz\_TX

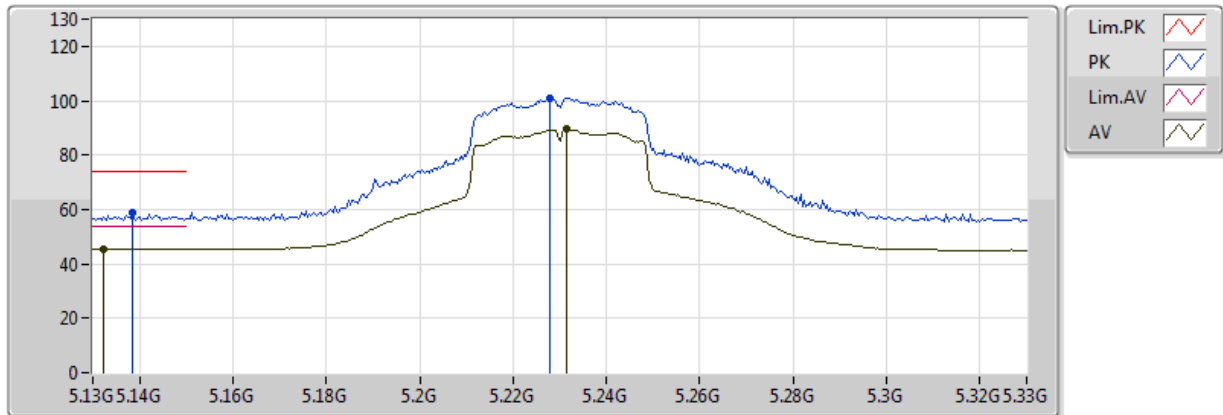


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1304G  | 45.24         | 54.00         | -8.76      | 5.40       | 3       | V         | 266        | 3.37      | -        |
| AV   | 5.2284G  | 91.56         | Inf           | -Inf       | 5.58       | 3       | V         | 266        | 3.37      | -        |
| PK   | 5.1328G  | 59.07         | 74.00         | -14.93     | 5.40       | 3       | V         | 266        | 3.37      | -        |
| PK   | 5.2268G  | 103.64        | Inf           | -Inf       | 5.58       | 3       | V         | 266        | 3.37      | -        |

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

## 5230MHz\_TX

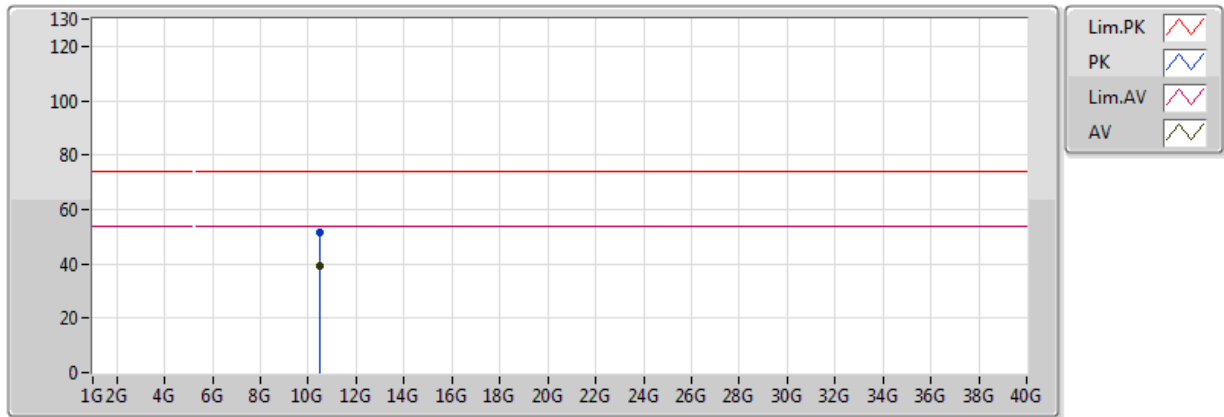


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.1324G  | 45.56         | 54.00         | -8.44      | 5.40       | 3       | H         | 63         | 3.28      | -        |
| AV   | 5.2316G  | 89.58         | Inf           | -Inf       | 5.58       | 3       | H         | 63         | 3.28      | -        |
| PK   | 5.228G   | 100.97        | Inf           | -Inf       | 5.58       | 3       | H         | 63         | 3.28      | -        |
| PK   | 5.1384G  | 58.70         | 74.00         | -15.30     | 5.41       | 3       | H         | 63         | 3.28      | -        |

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

## 5230MHz\_TX

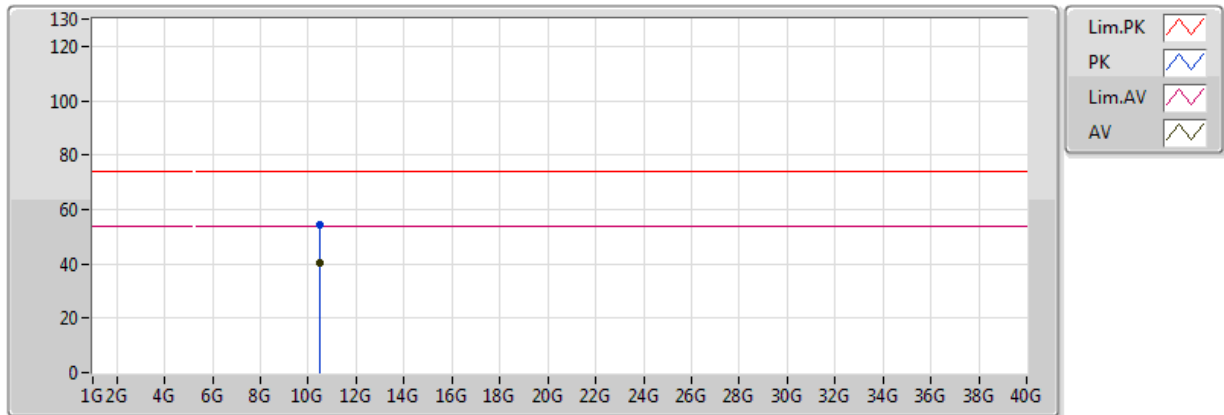


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.46G   | 38.96         | 54.00         | -15.04     | 10.42      | 3       | V         | 360        | 1.50      | -        |
| PK   | 10.46G   | 51.77         | 74.00         | -22.23     | 10.42      | 3       | V         | 360        | 1.50      | -        |

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

## 5230MHz\_TX

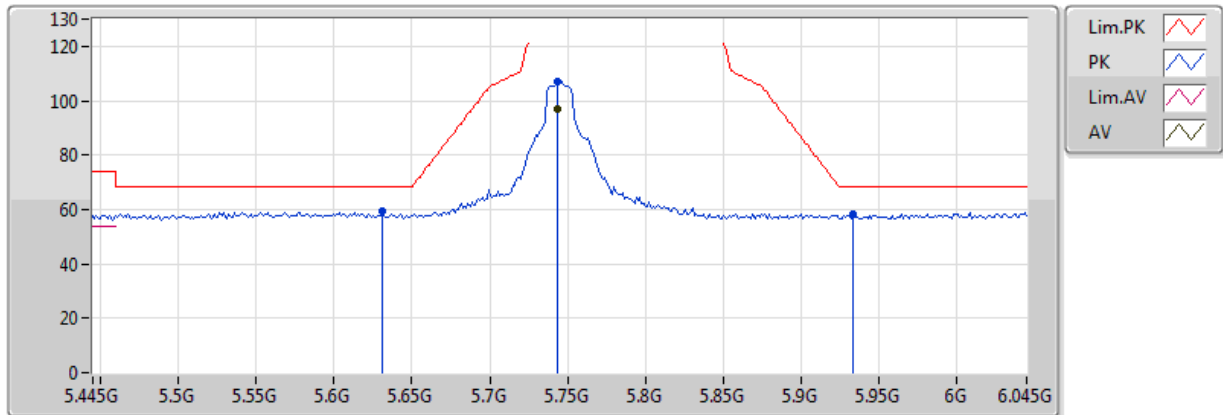


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 10.46G   | 40.50         | 54.00         | -13.50     | 10.42      | 3       | H         | 0          | 1.50      | -        |
| PK   | 10.46G   | 54.16         | 74.00         | -19.84     | 10.42      | 3       | H         | 0          | 1.50      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5745MHz\_TX



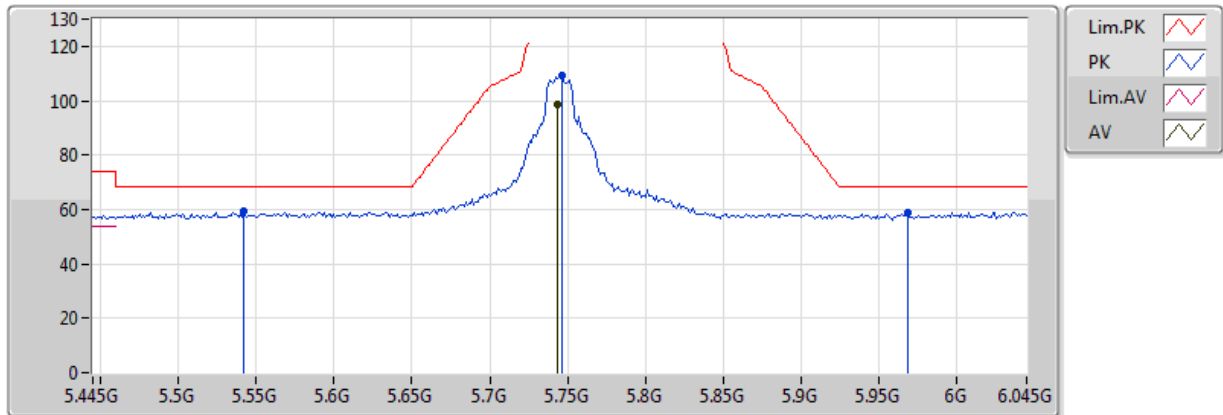
EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7438G  | 97.04         | Inf           | -Inf       | 6.40       | 3       | V         | 40         | 1.98      | -        |
| PK   | 5.631G   | 59.18         | 68.20         | -9.02      | 6.27       | 3       | V         | 40         | 1.98      | -        |
| PK   | 5.7438G  | 107.16        | Inf           | -Inf       | 6.40       | 3       | V         | 40         | 1.98      | -        |
| PK   | 5.9334G  | 58.21         | 68.20         | -9.99      | 6.62       | 3       | V         | 40         | 1.98      | -        |



## 802.11a\_(6Mbps)\_1TX

## 5745MHz\_TX

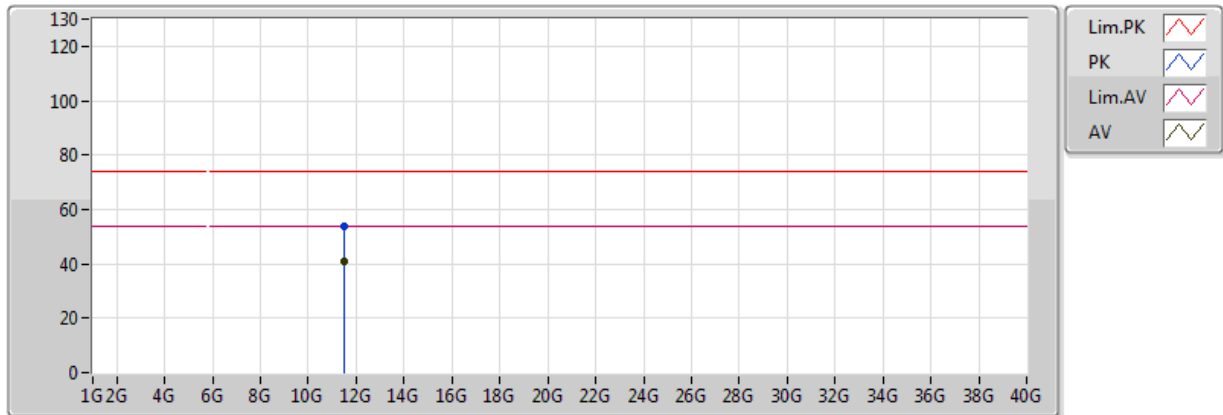


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7438G  | 98.38         | Inf           | -Inf       | 6.40       | 3       | H         | 347        | 1.00      | -        |
| PK   | 5.5422G  | 59.16         | 68.20         | -9.04      | 6.14       | 3       | H         | 347        | 1.00      | -        |
| PK   | 5.7462G  | 109.02        | Inf           | -Inf       | 6.40       | 3       | H         | 347        | 1.00      | -        |
| PK   | 5.9682G  | 58.74         | 68.20         | -9.46      | 6.67       | 3       | H         | 347        | 1.00      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5745MHz\_TX

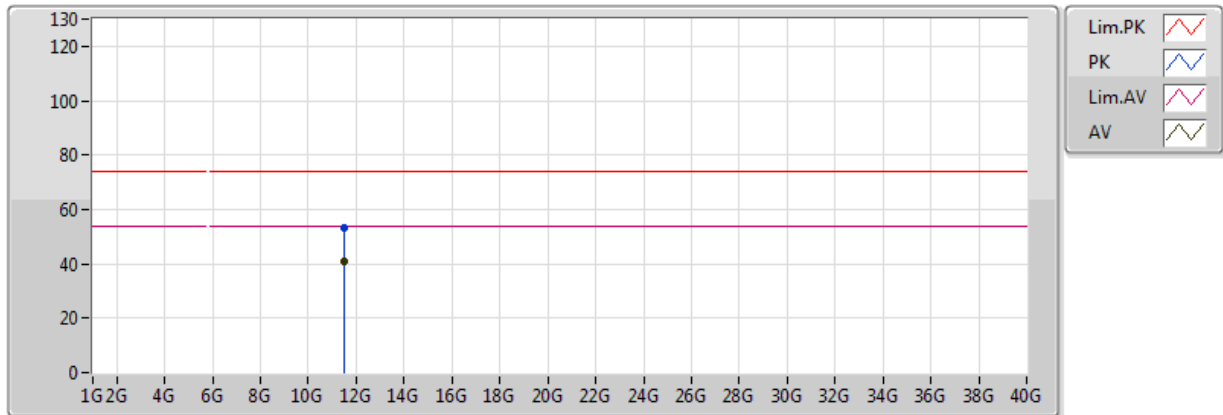


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.49G   | 41.11         | 54.00         | -12.89     | 12.03      | 3       | V         | 0          | 1.50      | -        |
| PK   | 11.49G   | 53.77         | 74.00         | -20.23     | 12.03      | 3       | V         | 0          | 1.50      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5745MHz\_TX

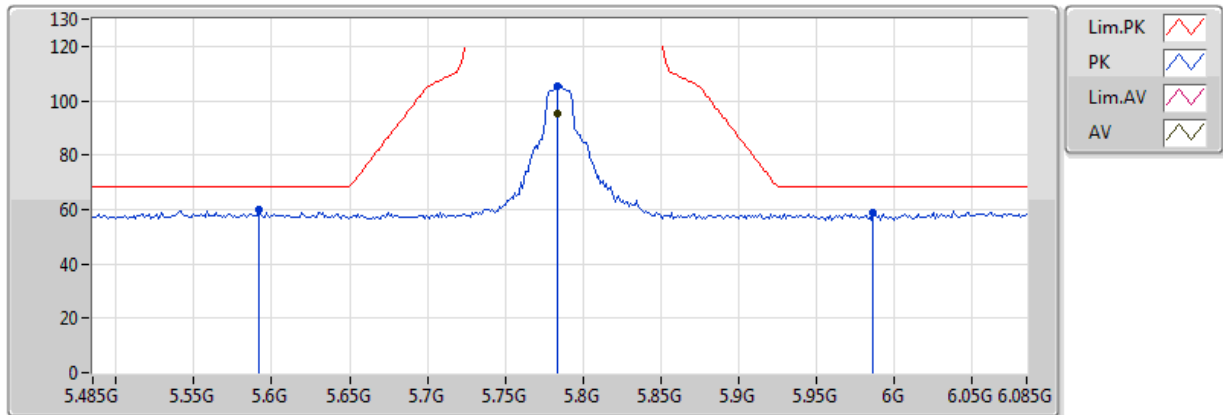


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.49G   | 40.97         | 54.00         | -13.03     | 12.03      | 3       | H         | 360        | 1.50      | -        |
| PK   | 11.49G   | 53.36         | 74.00         | -20.64     | 12.03      | 3       | H         | 360        | 1.50      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5785MHz\_TX

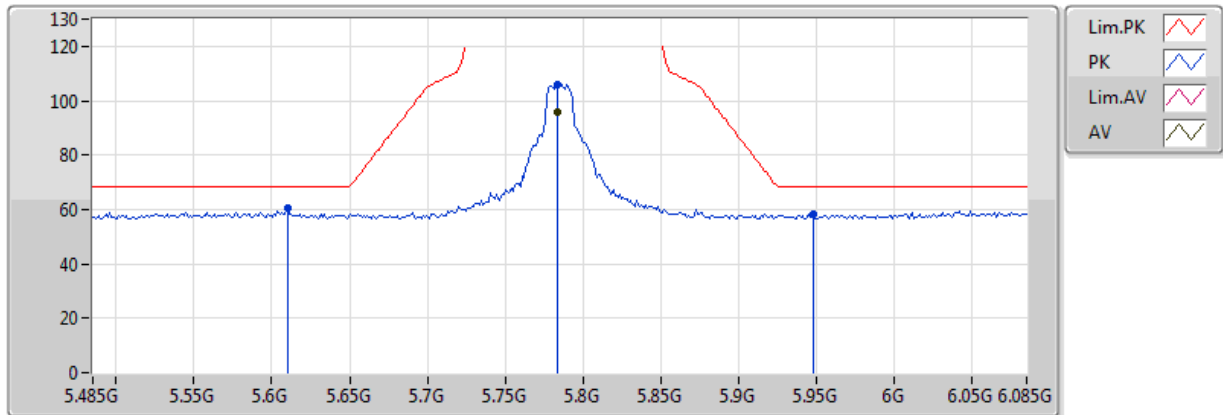


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7838G  | 95.33         | Inf           | -Inf       | 6.42       | 3       | V         | 279        | 3.05      | -        |
| PK   | 5.5918G  | 59.79         | 68.20         | -8.41      | 6.22       | 3       | V         | 279        | 3.05      | -        |
| PK   | 5.7838G  | 105.16        | Inf           | -Inf       | 6.42       | 3       | V         | 279        | 3.05      | -        |
| PK   | 5.9866G  | 58.61         | 68.20         | -9.59      | 6.70       | 3       | V         | 279        | 3.05      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5785MHz\_TX

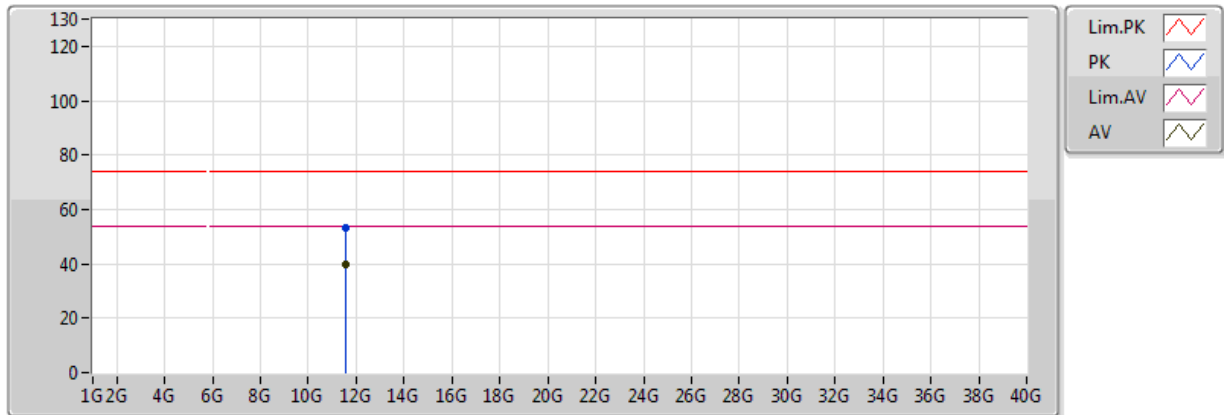


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7838G  | 96.03         | Inf           | -Inf       | 6.42       | 3       | H         | 43         | 1.50      | -        |
| PK   | 5.6098G  | 60.34         | 68.20         | -7.86      | 6.24       | 3       | H         | 43         | 1.50      | -        |
| PK   | 5.7838G  | 105.96        | Inf           | -Inf       | 6.42       | 3       | H         | 43         | 1.50      | -        |
| PK   | 5.9482G  | 58.33         | 68.20         | -9.87      | 6.64       | 3       | H         | 43         | 1.50      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5785MHz\_TX

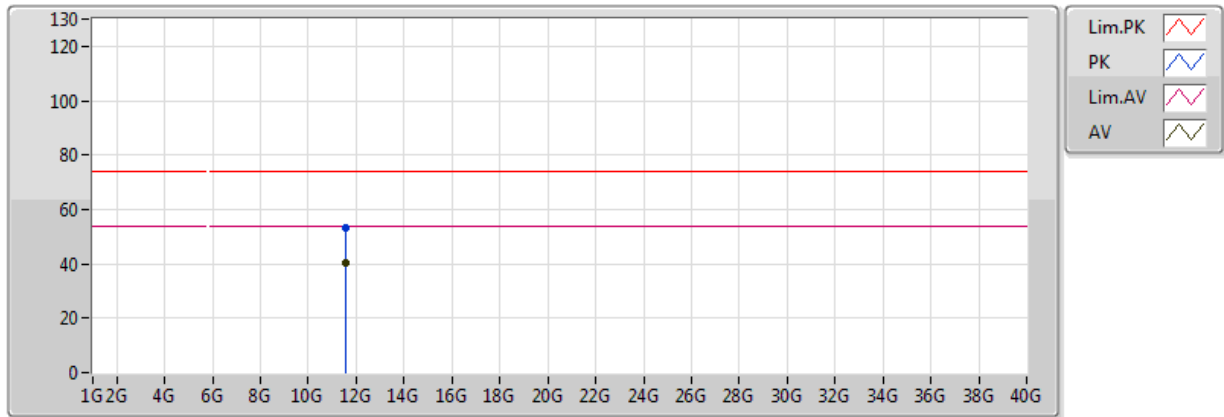


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.57G   | 39.60         | 54.00         | -14.40     | 12.14      | 3       | V         | 0          | 1.50      | -        |
| PK   | 11.57G   | 53.21         | 74.00         | -20.79     | 12.14      | 3       | V         | 0          | 1.50      | -        |

### 802.11a\_(6Mbps)\_1TX

### 5785MHz\_TX

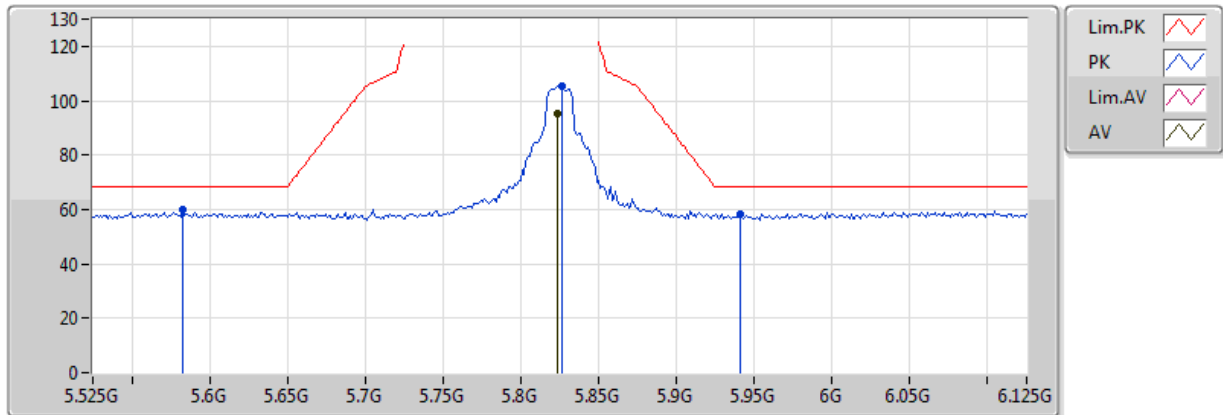


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.57G   | 40.54         | 54.00         | -13.46     | 12.14      | 3       | H         | 360        | 1.50      | -        |
| PK   | 11.57G   | 53.28         | 74.00         | -20.72     | 12.14      | 3       | H         | 360        | 1.50      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5825MHz\_TX



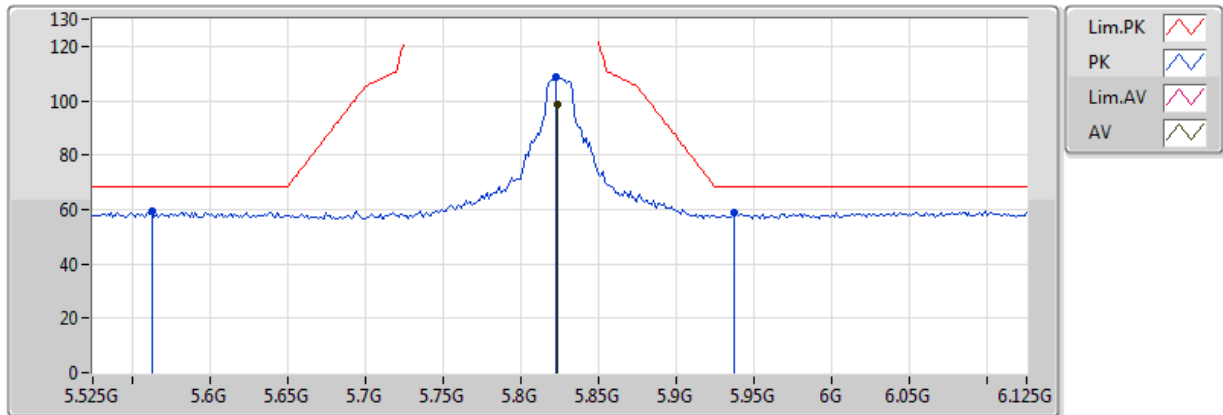
EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.8238G  | 95.43         | Inf           | -Inf       | 6.46       | 3       | V         | 33         | 1.84      | -        |
| PK   | 5.5826G  | 59.80         | 68.20         | -8.40      | 6.20       | 3       | V         | 33         | 1.84      | -        |
| PK   | 5.8262G  | 105.62        | Inf           | -Inf       | 6.47       | 3       | V         | 33         | 1.84      | -        |
| PK   | 5.9414G  | 58.45         | 68.20         | -9.75      | 6.63       | 3       | V         | 33         | 1.84      | -        |



## 802.11a\_(6Mbps)\_1TX

## 5825MHz\_TX

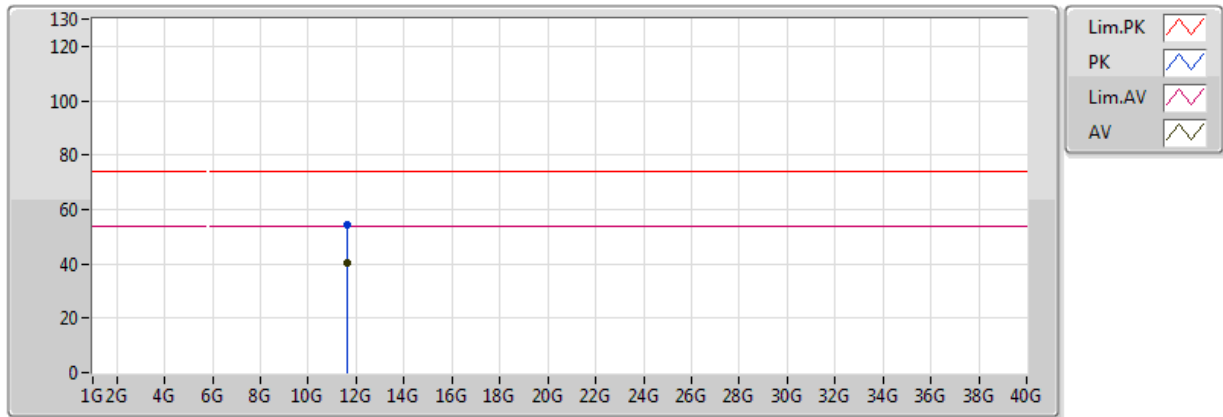


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.8238G  | 98.46         | Inf           | -Inf       | 6.46       | 3       | H         | 337        | 1.00      | -        |
| PK   | 5.5634G  | 59.52         | 68.20         | -8.68      | 6.18       | 3       | H         | 337        | 1.00      | -        |
| PK   | 5.8226G  | 108.51        | Inf           | -Inf       | 6.46       | 3       | H         | 337        | 1.00      | -        |
| PK   | 5.9366G  | 58.59         | 68.20         | -9.61      | 6.62       | 3       | H         | 337        | 1.00      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5825MHz\_TX

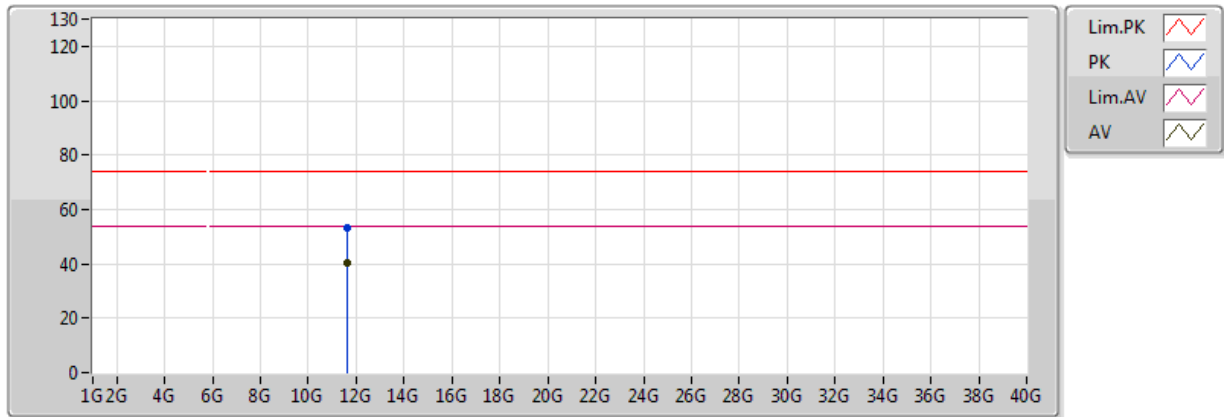


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.65G   | 40.59         | 54.00         | -13.41     | 12.24      | 3       | V         | 0          | 1.50      | -        |
| PK   | 11.65G   | 54.58         | 74.00         | -19.42     | 12.24      | 3       | V         | 0          | 1.50      | -        |

## 802.11a\_(6Mbps)\_1TX

## 5825MHz\_TX

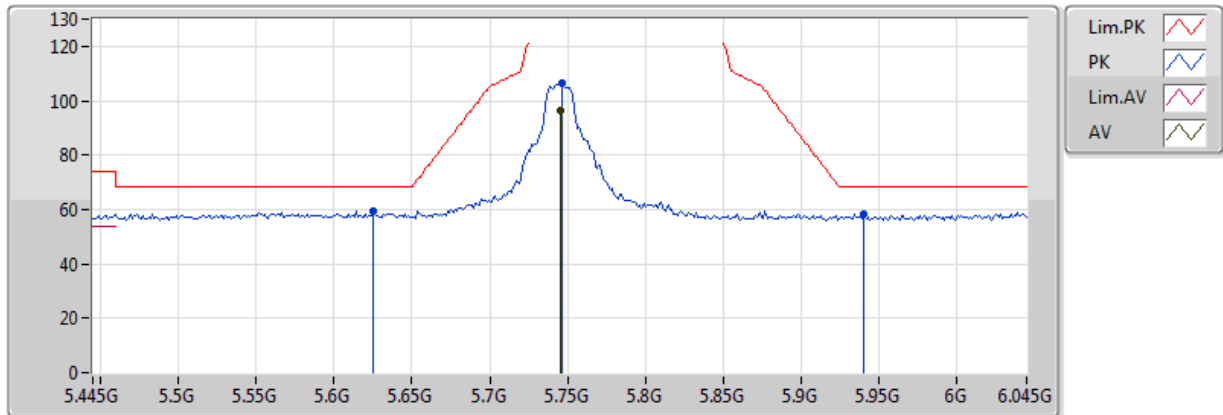


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.65G   | 40.54         | 54.00         | -13.46     | 12.24      | 3       | H         | 360        | 1.50      | -        |
| PK   | 11.65G   | 53.38         | 74.00         | -20.62     | 12.24      | 3       | H         | 360        | 1.50      | -        |

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

## 5745MHz\_TX

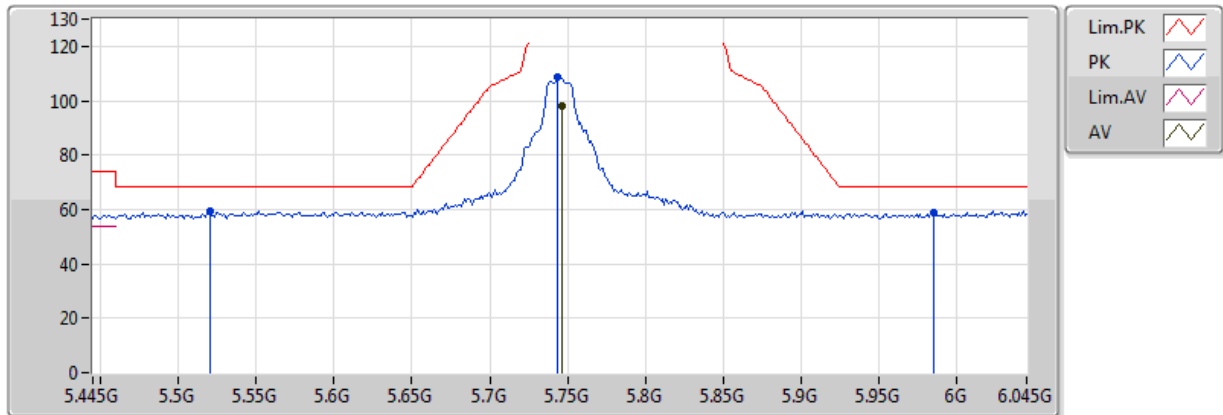


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.745G   | 96.51         | Inf           | -Inf       | 6.40       | 3       | V         | 30         | 1.96      | -        |
| PK   | 5.625G   | 59.61         | 68.20         | -8.59      | 6.27       | 3       | V         | 30         | 1.96      | -        |
| PK   | 5.7462G  | 106.57        | Inf           | -Inf       | 6.40       | 3       | V         | 30         | 1.96      | -        |
| PK   | 5.9406G  | 58.54         | 68.20         | -9.66      | 6.63       | 3       | V         | 30         | 1.96      | -        |

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

## 5745MHz\_TX

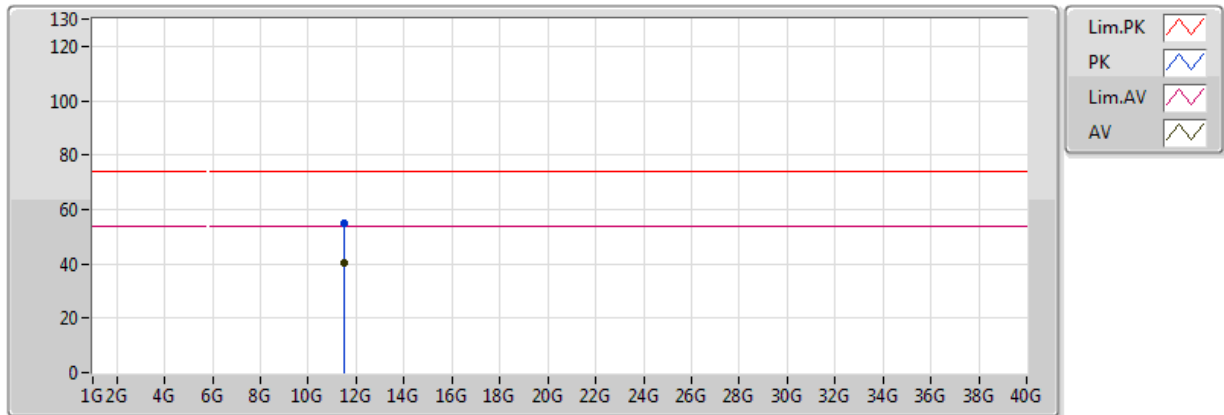


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7462G  | 97.98         | Inf           | -Inf       | 6.40       | 3       | H         | 344        | 1.00      | -        |
| PK   | 5.5206G  | 59.44         | 68.20         | -8.76      | 6.11       | 3       | H         | 344        | 1.00      | -        |
| PK   | 5.7438G  | 108.50        | Inf           | -Inf       | 6.40       | 3       | H         | 344        | 1.00      | -        |
| PK   | 5.985G   | 58.57         | 68.20         | -9.63      | 6.70       | 3       | H         | 344        | 1.00      | -        |

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

## 5745MHz\_TX

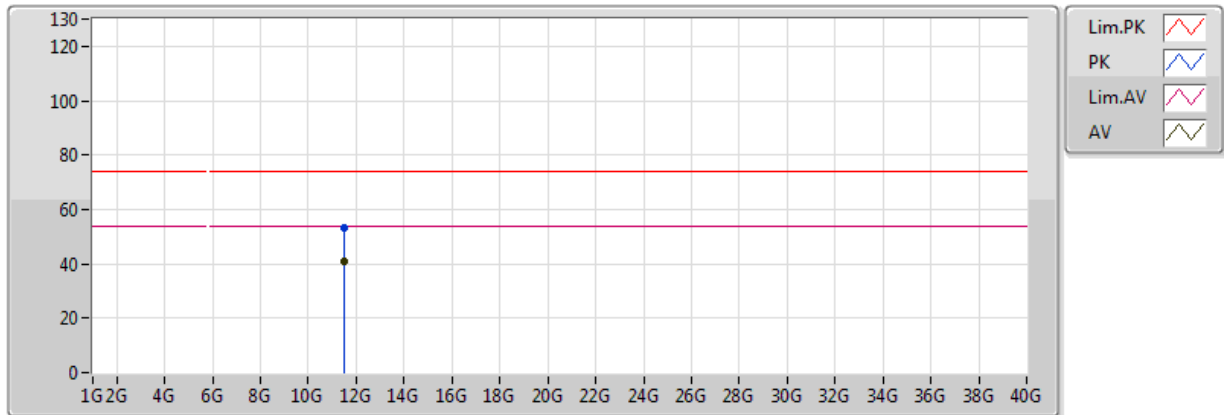


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.49G   | 40.15         | 54.00         | -13.85     | 12.03      | 3       | V         | 360        | 1.50      | -        |
| PK   | 11.49G   | 54.82         | 74.00         | -19.18     | 12.03      | 3       | V         | 360        | 1.50      | -        |

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

### 5745MHz\_TX

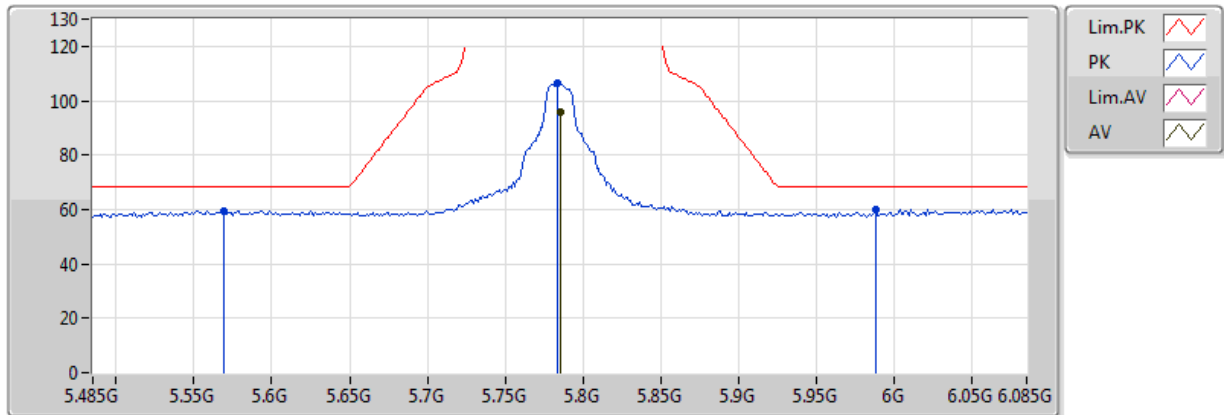


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.49G   | 40.99         | 54.00         | -13.01     | 12.03      | 3       | H         | 0          | 1.50      | -        |
| PK   | 11.49G   | 53.41         | 74.00         | -20.59     | 12.03      | 3       | H         | 0          | 1.50      | -        |

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

## 5785MHz\_TX



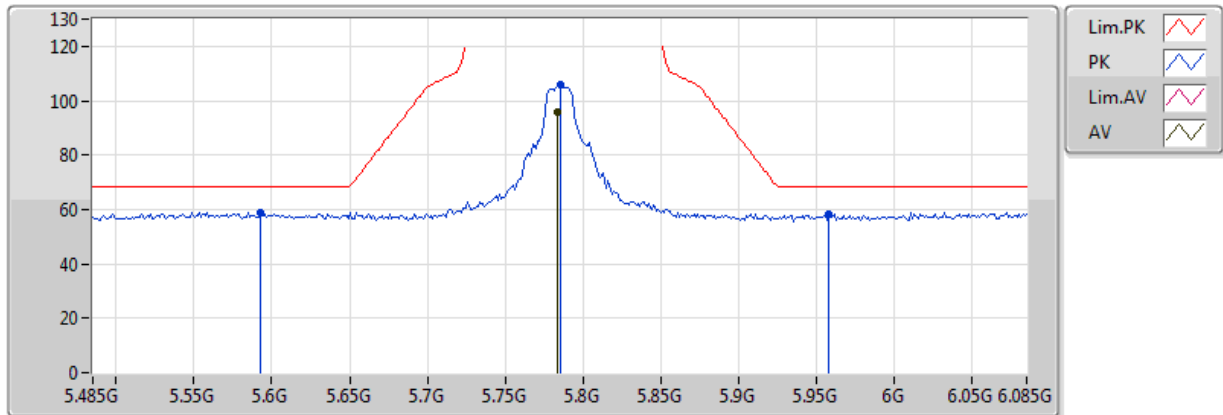
EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.785G   | 95.65         | Inf           | -Inf       | 6.42       | 3       | V         | 260        | 1.84      | -        |
| PK   | 5.569G   | 59.50         | 68.20         | -8.70      | 6.18       | 3       | V         | 260        | 1.84      | -        |
| PK   | 5.7838G  | 106.60        | Inf           | -Inf       | 6.42       | 3       | V         | 260        | 1.84      | -        |
| PK   | 5.9878G  | 59.96         | 68.20         | -8.24      | 6.70       | 3       | V         | 260        | 1.84      | -        |



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

## 5785MHz\_TX

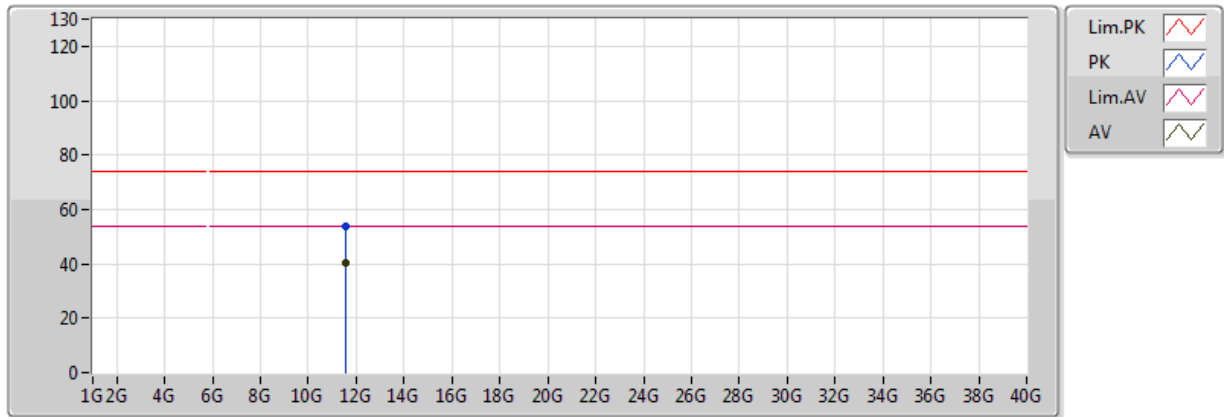


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7838G  | 95.97         | Inf           | -Inf       | 6.42       | 3       | H         | 50         | 1.51      | -        |
| PK   | 5.593G   | 58.80         | 68.20         | -9.40      | 6.22       | 3       | H         | 50         | 1.51      | -        |
| PK   | 5.785G   | 105.65        | Inf           | -Inf       | 6.42       | 3       | H         | 50         | 1.51      | -        |
| PK   | 5.9578G  | 58.19         | 68.20         | -10.01     | 6.66       | 3       | H         | 50         | 1.51      | -        |

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

## 5785MHz\_TX

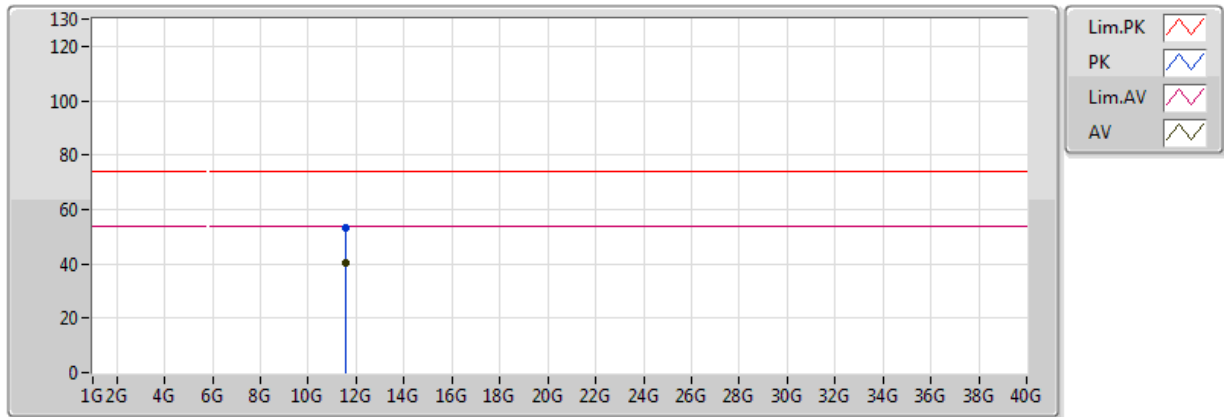


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.57G   | 40.53         | 54.00         | -13.47     | 12.14      | 3       | V         | 0          | 1.50      | -        |
| PK   | 11.57G   | 54.03         | 74.00         | -19.97     | 12.14      | 3       | V         | 0          | 1.50      | -        |

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

## 5785MHz\_TX

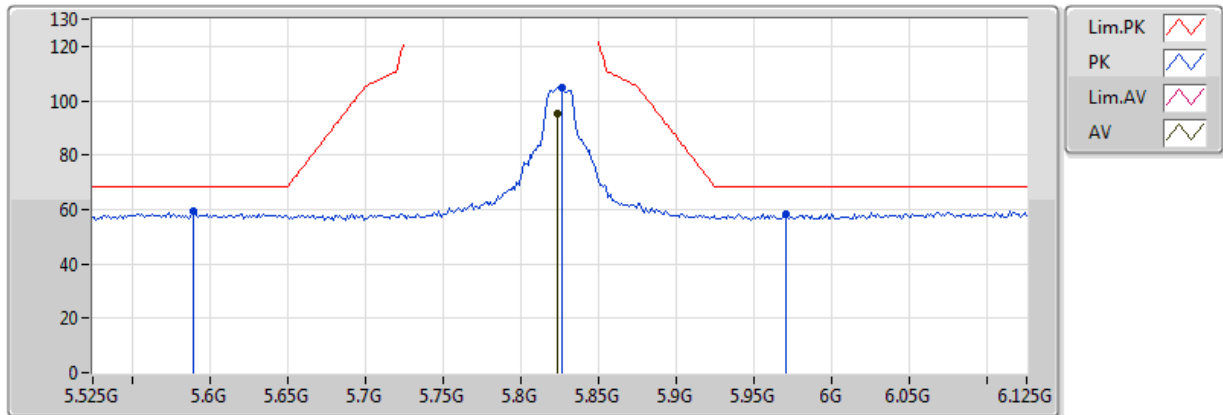


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.57G   | 40.42         | 54.00         | -13.58     | 12.14      | 3       | H         | 360        | 1.50      | -        |
| PK   | 11.57G   | 53.17         | 74.00         | -20.83     | 12.14      | 3       | H         | 360        | 1.50      | -        |

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

## 5825MHz\_TX

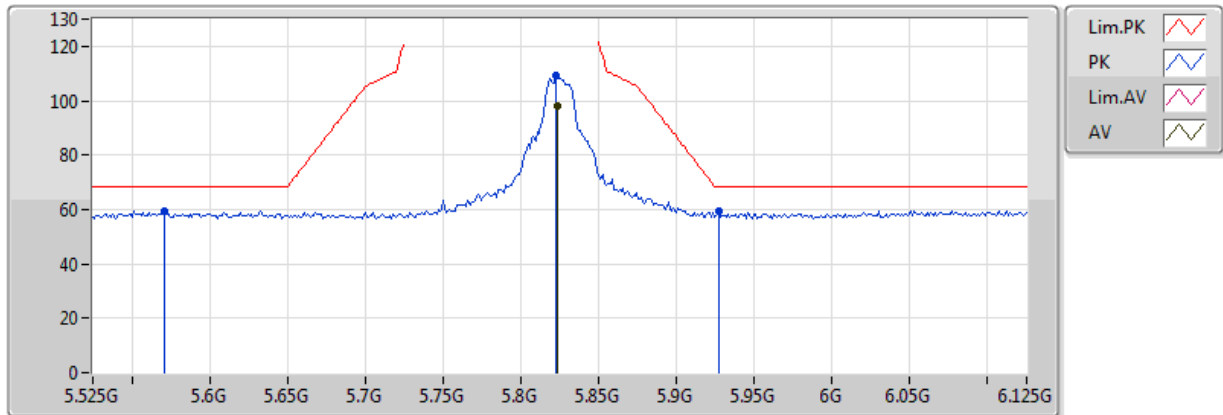


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.8238G  | 94.98         | Inf           | -Inf       | 6.46       | 3       | V         | 282        | 1.70      | -        |
| PK   | 5.5898G  | 59.32         | 68.20         | -8.88      | 6.21       | 3       | V         | 282        | 1.70      | -        |
| PK   | 5.8262G  | 104.71        | Inf           | -Inf       | 6.47       | 3       | V         | 282        | 1.70      | -        |
| PK   | 5.9702G  | 58.49         | 68.20         | -9.71      | 6.68       | 3       | V         | 282        | 1.70      | -        |

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

## 5825MHz\_TX

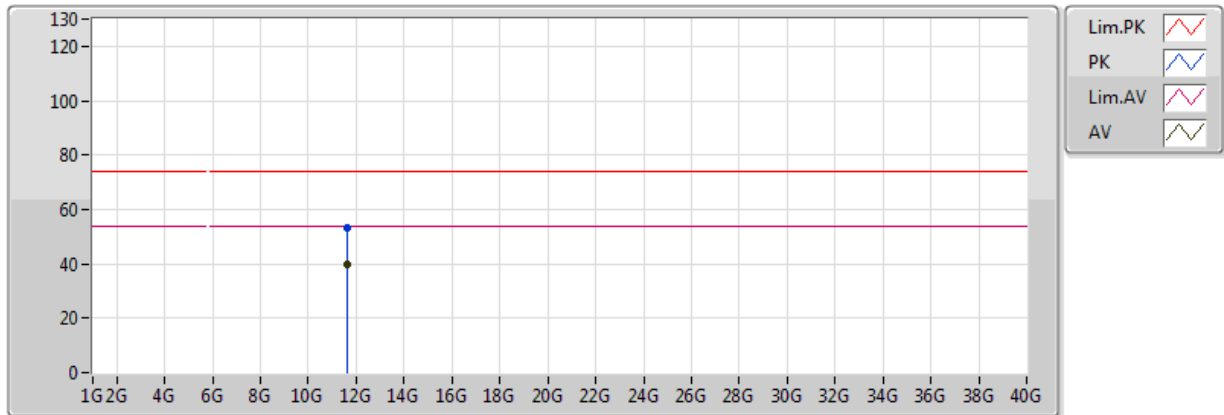


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.8238G  | 98.03         | Inf           | -Inf       | 6.46       | 3       | H         | 337        | 1.01      | -        |
| PK   | 5.5706G  | 59.38         | 68.20         | -8.82      | 6.19       | 3       | H         | 337        | 1.01      | -        |
| PK   | 5.8226G  | 109.18        | Inf           | -Inf       | 6.46       | 3       | H         | 337        | 1.01      | -        |
| PK   | 5.927G   | 59.46         | 68.20         | -8.74      | 6.61       | 3       | H         | 337        | 1.01      | -        |

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

## 5825MHz\_TX

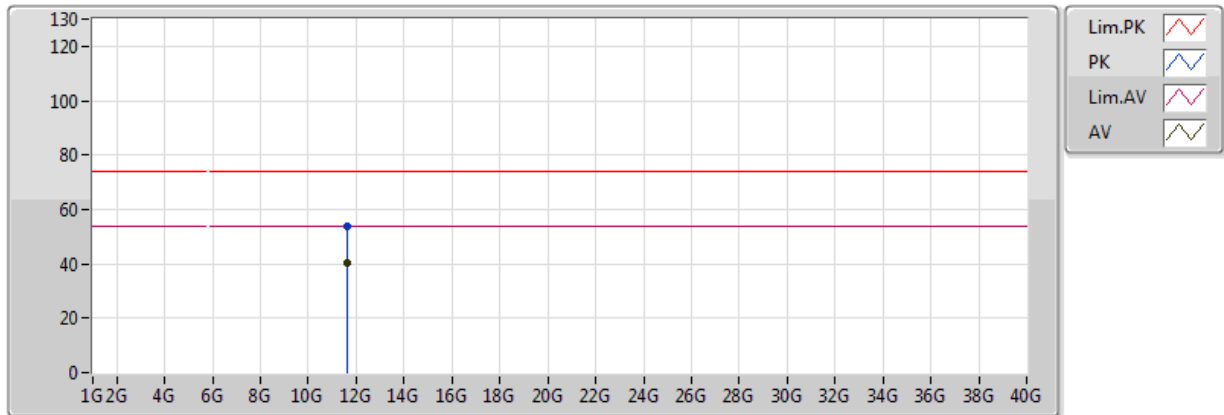


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.65G   | 39.57         | 54.00         | -14.43     | 12.24      | 3       | V         | 0          | 1.50      | -        |
| PK   | 11.65G   | 53.45         | 74.00         | -20.55     | 12.24      | 3       | V         | 0          | 1.50      | -        |

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

### 5825MHz\_TX

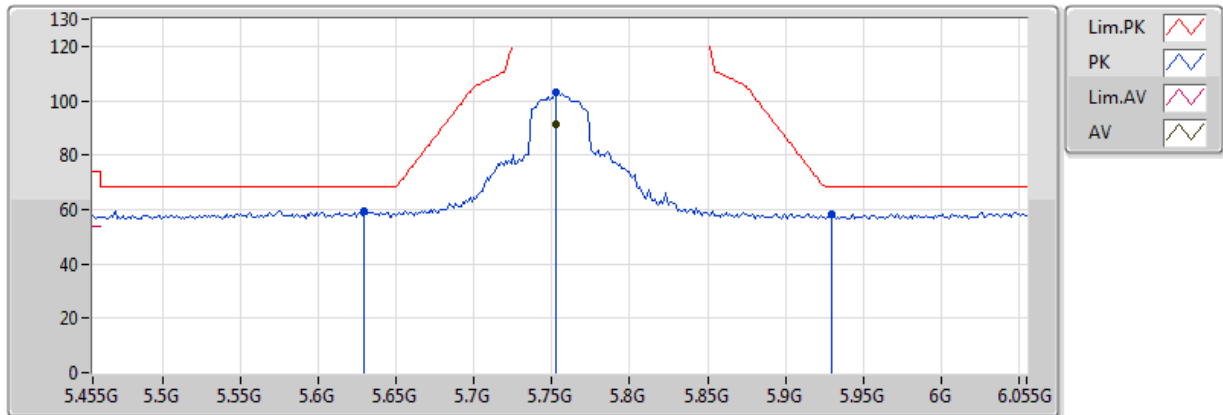


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.65G   | 40.37         | 54.00         | -13.63     | 12.24      | 3       | H         | 360        | 1.50      | -        |
| PK   | 11.65G   | 53.66         | 74.00         | -20.34     | 12.24      | 3       | H         | 360        | 1.50      | -        |

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

## 5755MHz\_TX



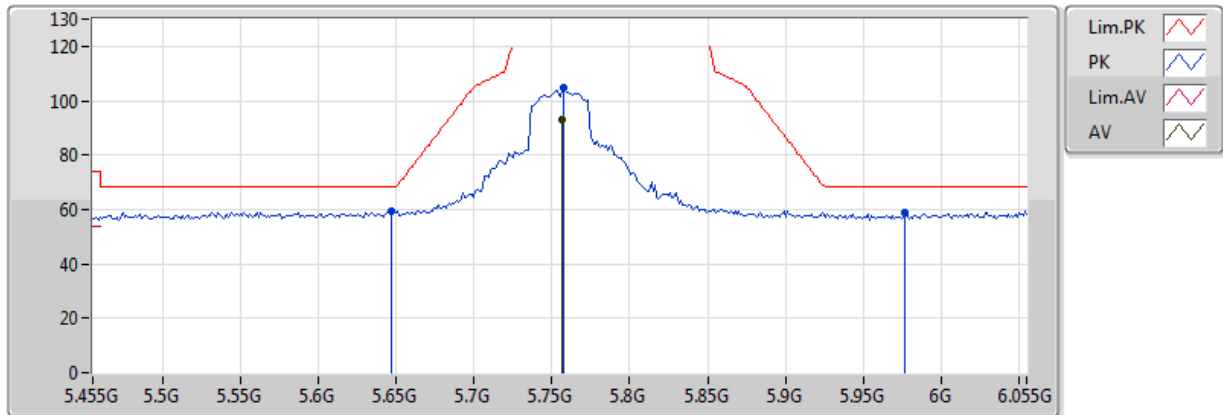
EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7526G  | 91.49         | Inf           | -Inf       | 6.40       | 3       | V         | 26         | 1.62      | -        |
| PK   | 5.629G   | 59.51         | 68.20         | -8.69      | 6.27       | 3       | V         | 26         | 1.62      | -        |
| PK   | 5.7526G  | 102.92        | Inf           | -Inf       | 6.40       | 3       | V         | 26         | 1.62      | -        |
| PK   | 5.9302G  | 58.47         | 68.20         | -9.73      | 6.62       | 3       | V         | 26         | 1.62      | -        |



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

## 5755MHz\_TX

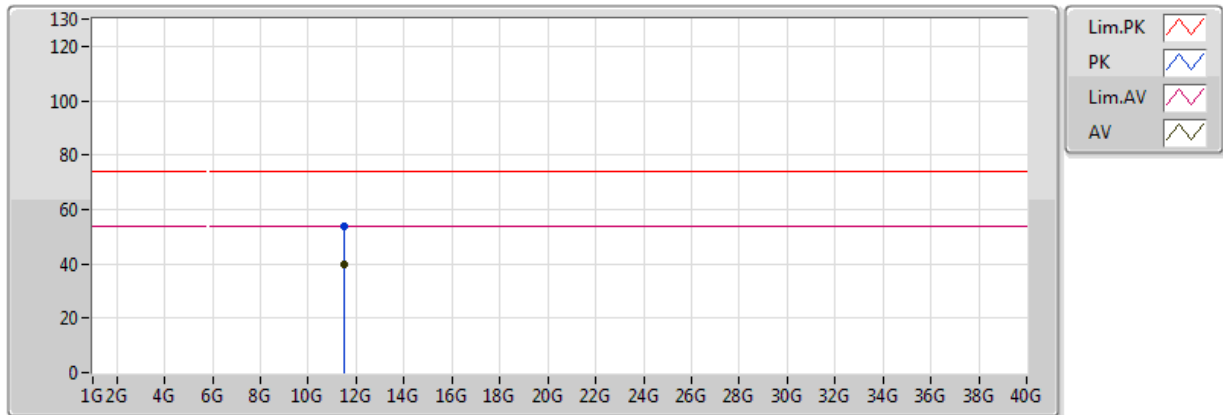


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7562G  | 92.77         | Inf           | -Inf       | 6.40       | 3       | H         | 344        | 1.07      | -        |
| PK   | 5.647G   | 59.56         | 68.20         | -8.64      | 6.30       | 3       | H         | 344        | 1.07      | -        |
| PK   | 5.7574G  | 104.73        | Inf           | -Inf       | 6.40       | 3       | H         | 344        | 1.07      | -        |
| PK   | 5.977G   | 58.80         | 68.20         | -9.40      | 6.69       | 3       | H         | 344        | 1.07      | -        |

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

### 5755MHz\_TX

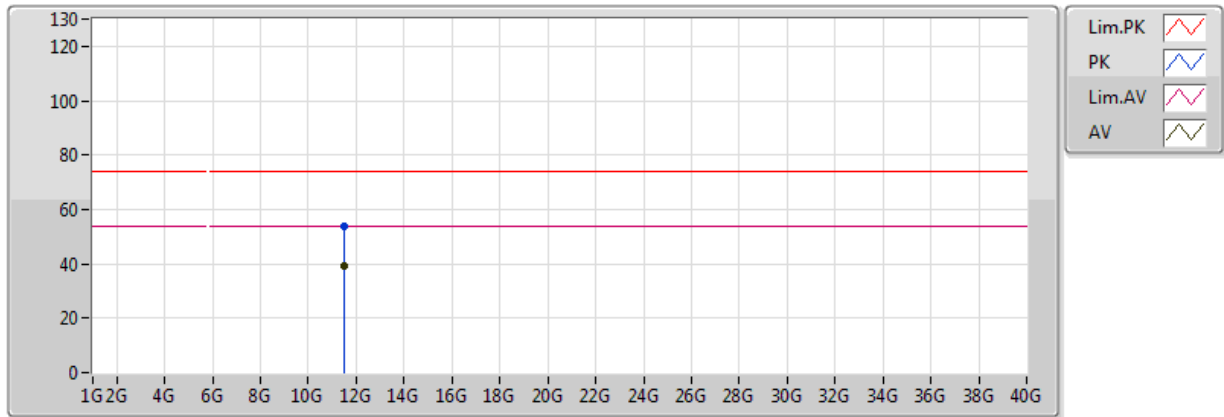


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.51G   | 39.70         | 54.00         | -14.30     | 12.06      | 3       | V         | 0          | 1.50      | -        |
| PK   | 11.51G   | 53.56         | 74.00         | -20.44     | 12.06      | 3       | V         | 0          | 1.50      | -        |

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

## 5755MHz\_TX

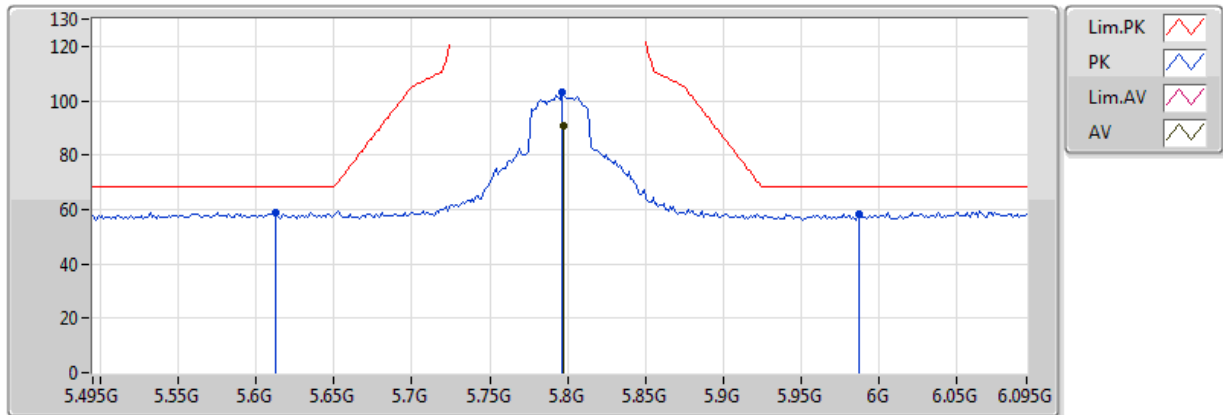


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.51G   | 39.46         | 54.00         | -14.54     | 12.06      | 3       | H         | 360        | 1.50      | -        |
| PK   | 11.51G   | 53.82         | 74.00         | -20.18     | 12.06      | 3       | H         | 360        | 1.50      | -        |

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

## 5795MHz\_TX

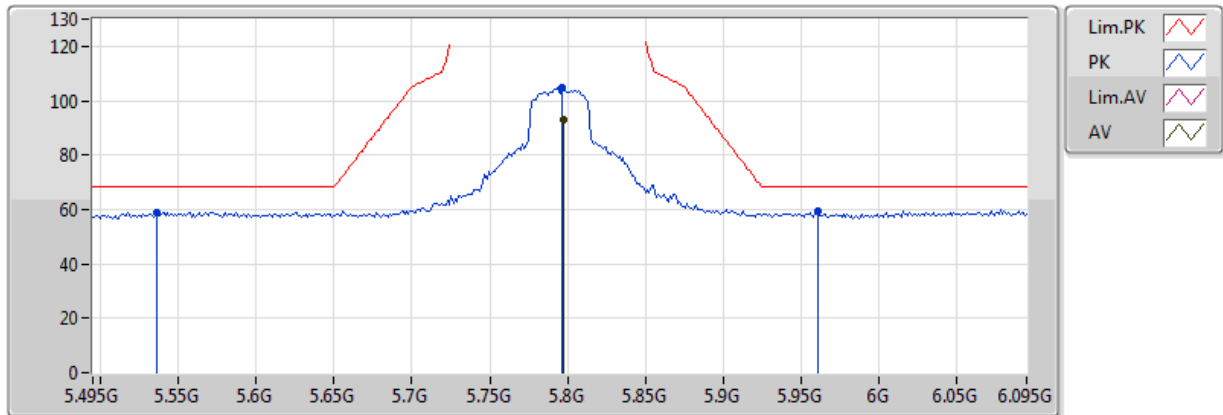


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7974G  | 90.92         | Inf           | -Inf       | 6.43       | 3       | V         | 281        | 1.89      | -        |
| PK   | 5.6126G  | 59.05         | 68.20         | -9.15      | 6.25       | 3       | V         | 281        | 1.89      | -        |
| PK   | 5.7962G  | 103.02        | Inf           | -Inf       | 6.43       | 3       | V         | 281        | 1.89      | -        |
| PK   | 5.987G   | 58.55         | 68.20         | -9.65      | 6.70       | 3       | V         | 281        | 1.89      | -        |

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

## 5795MHz\_TX

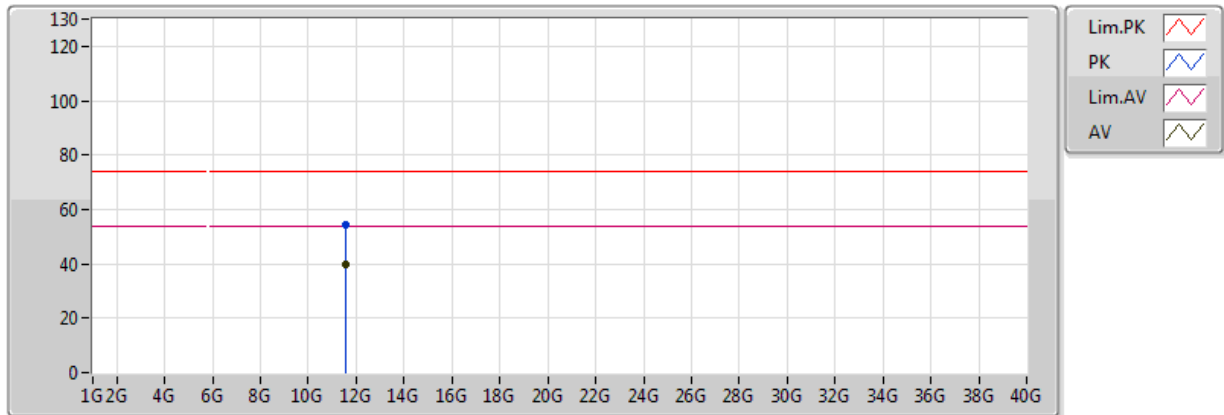


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 5.7974G  | 93.25         | Inf           | -Inf       | 6.43       | 3       | H         | 344        | 1.03      | -        |
| PK   | 5.5358G  | 58.89         | 68.20         | -9.31      | 6.13       | 3       | H         | 344        | 1.03      | -        |
| PK   | 5.7962G  | 104.73        | Inf           | -Inf       | 6.43       | 3       | H         | 344        | 1.03      | -        |
| PK   | 5.9606G  | 59.67         | 68.20         | -8.53      | 6.66       | 3       | H         | 344        | 1.03      | -        |

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

## 5795MHz\_TX

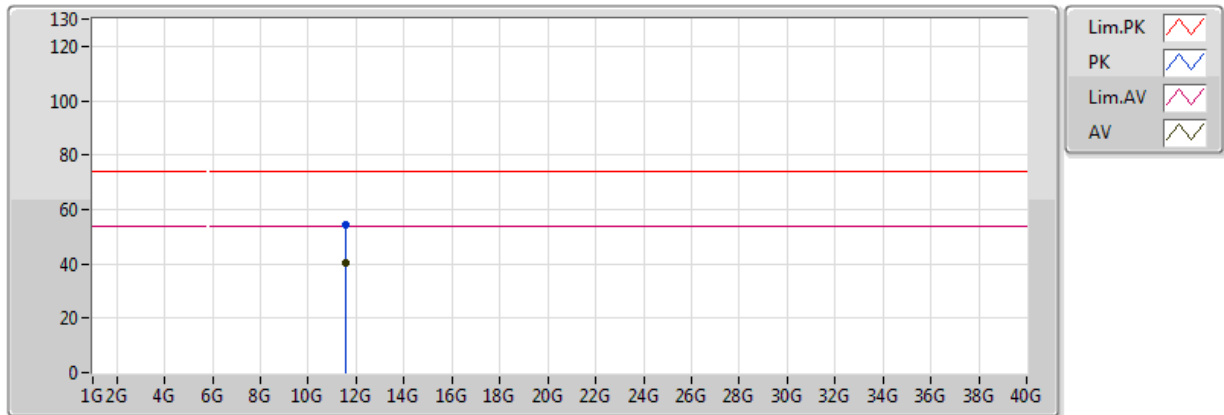


EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.59G   | 39.78         | 54.00         | -14.22     | 12.16      | 3       | V         | 337        | 1.53      | -        |
| PK   | 11.59G   | 54.18         | 74.00         | -19.82     | 12.16      | 3       | V         | 337        | 1.53      | -        |

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

## 5795MHz\_TX



EUT=Y

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 11.59G   | 40.15         | 54.00         | -13.85     | 12.16      | 3       | H         | 332        | 1.97      | -        |
| PK   | 11.59G   | 54.24         | 74.00         | -19.76     | 12.16      | 3       | H         | 332        | 1.97      | -        |



## Frequency Stability Result

Appendix F

### Summary

| Mode                | Result | Ch<br>(Hz) | Center<br>(Hz) | ppm    | Limit<br>(ppm) | Port | Remark |
|---------------------|--------|------------|----------------|--------|----------------|------|--------|
| 802.11a_(6Mbps)_1TX | -      | -          | -              | -      | -              | -    | -      |
| 5.15-5.25GHz        | Pass   | 5.2G       | 5.199906G      | 18.027 | 20             | 1    | 2 min  |



### Result

| Mode                | Result | Ch<br>(Hz) | Center<br>(Hz) | ppm    | Limit<br>(ppm) | Port | Remark |
|---------------------|--------|------------|----------------|--------|----------------|------|--------|
| 802.11a_(6Mbps)_1TX | -      | -          | -              | -      | -              | -    | -      |
| 5200MHz_0°C         | Pass   | 5.2G       | 5.199934G      | 12.619 | 20             | 1    | 0 min  |
| 5200MHz_0°C         | Pass   | 5.2G       | 5.199972G      | 5.408  | 20             | 1    | 2 min  |
| 5200MHz_0°C         | Pass   | 5.2G       | 5.199951G      | 9.374  | 20             | 1    | 5 min  |
| 5200MHz_0°C         | Pass   | 5.2G       | 5.199944G      | 10.816 | 20             | 1    | 10 min |
| 5200MHz_10°C        | Pass   | 5.2G       | 5.199942G      | 11.176 | 20             | 1    | 0 min  |
| 5200MHz_10°C        | Pass   | 5.2G       | 5.199906G      | 18.027 | 20             | 1    | 2 min  |
| 5200MHz_10°C        | Pass   | 5.2G       | 5.19994G       | 11.537 | 20             | 1    | 5 min  |
| 5200MHz_10°C        | Pass   | 5.2G       | 5.199938G      | 11.898 | 20             | 1    | 10 min |
| 5200MHz_20°C        | Pass   | 5.2G       | 5.199936G      | 12.258 | 20             | 1    | 0 min  |
| 5200MHz_20°C        | Pass   | 5.2G       | 5.199934G      | 12.619 | 20             | 1    | 2 min  |
| 5200MHz_20°C        | Pass   | 5.2G       | 5.199942G      | 11.176 | 20             | 1    | 5 min  |
| 5200MHz_20°C        | Pass   | 5.2G       | 5.199938G      | 11.898 | 20             | 1    | 10 min |
| 5200MHz_30°C        | Pass   | 5.2G       | 5.199934G      | 12.619 | 20             | 1    | 0 min  |
| 5200MHz_30°C        | Pass   | 5.2G       | 5.199933G      | 12.979 | 20             | 1    | 2 min  |
| 5200MHz_30°C        | Pass   | 5.2G       | 5.199933G      | 12.979 | 20             | 1    | 5 min  |
| 5200MHz_30°C        | Pass   | 5.2G       | 5.199931G      | 13.34  | 20             | 1    | 10 min |
| 5200MHz_40°C        | Pass   | 5.2G       | 5.199942G      | 11.176 | 20             | 1    | 0 min  |
| 5200MHz_40°C        | Pass   | 5.2G       | 5.199934G      | 12.619 | 20             | 1    | 2 min  |
| 5200MHz_40°C        | Pass   | 5.2G       | 5.199923G      | 14.782 | 20             | 1    | 5 min  |
| 5200MHz_40°C        | Pass   | 5.2G       | 5.19994G       | 11.537 | 20             | 1    | 10 min |
| 5200MHz_138V        | Pass   | 5.2G       | 5.199931G      | 13.34  | 20             | 1    | 0 min  |
| 5200MHz_138V        | Pass   | 5.2G       | 5.199936G      | 12.258 | 20             | 1    | 2 min  |
| 5200MHz_138V        | Pass   | 5.2G       | 5.199927G      | 14.061 | 20             | 1    | 5 min  |
| 5200MHz_138V        | Pass   | 5.2G       | 5.199938G      | 11.898 | 20             | 1    | 10 min |
| 5200MHz_120V        | Pass   | 5.2G       | 5.19994G       | 11.537 | 20             | 1    | 0 min  |
| 5200MHz_120V        | Pass   | 5.2G       | 5.199936G      | 12.258 | 20             | 1    | 2 min  |
| 5200MHz_120V        | Pass   | 5.2G       | 5.199942G      | 11.176 | 20             | 1    | 5 min  |
| 5200MHz_120V        | Pass   | 5.2G       | 5.199944G      | 10.816 | 20             | 1    | 10 min |
| 5200MHz_102V        | Pass   | 5.2G       | 5.199921G      | 15.142 | 20             | 1    | 0 min  |
| 5200MHz_102V        | Pass   | 5.2G       | 5.199933G      | 12.979 | 20             | 1    | 2 min  |
| 5200MHz_102V        | Pass   | 5.2G       | 5.199938G      | 11.898 | 20             | 1    | 5 min  |
| 5200MHz_102V        | Pass   | 5.2G       | 5.199929G      | 13.7   | 20             | 1    | 10 min |