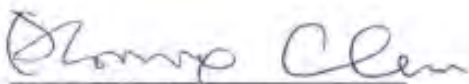


# FCC Test Report

**Equipment** : 802.11a/b/g/n/ac,2T2R Wireless LAN USB2.0 Module  
**Brand Name** : LITE-ON  
**Model No.** : WN4515L  
**FCC ID** : PPQ-WN4515L  
**Standard** : 47 CFR FCC Part 15.247  
**Operating Band** : 2400 MHz – 2483.5 MHz  
**Function** : ☐ Point-to-multipoint; ☒ Point-to-point  
**Applicant** : Lite-On Technology Corp.  
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City  
23585, Taiwan, R.O.C  
**Manufacturer** : LITE-ON TECHNOLOGY (Changzhou) CO., LTD  
A9 Building, No.88 Yanghu Road, Wujin Hi-Tech  
Industrial Development Zone, Changzhou City, Jiangsu  
Province 213100 China

The product sample received on May 29, 2017 and completely tested on Aug. 04, 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                                 | Limit                             | Result   |
| 1.1.2                           | 15.203           | Antenna Requirement                         | FCC 15.203                        | Complied |
| 3.1                             | 15.207           | AC Power-line Conducted Emissions           | FCC 15.207                        | Complied |
| 3.2                             | 15.247(a)        | DTS Bandwidth                               | ≥500kHz                           | Complied |
| 3.3                             | 15.247(b)        | Maximum Conducted Output Power              | Power [dBm]:30                    | Complied |
| 3.4                             | 15.247(e)        | Power Spectral Density                      | PSD [dBm/3kHz]:8                  | Complied |
| 3.5                             | 15.247(d)        | Emissions in Non-restricted Frequency Bands | Non-Restricted Bands:<br>> 30 dBc | Complied |
| 3.6                             | 15.247(d)        | Emissions in Restricted Frequency Bands     | Restricted Bands:<br>FCC 15.209   | Complied |

## Revision History

[illegible]

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|------------------|---------------------|----------------|
| 2400-2483.5           | b, g, n (HT20)   | 2412-2462           | 1-11 [11]      |
| 2400-2483.5           | n (HT40)         | 2422-2452           | 3-9 [7]        |

#### <Big board>

| Band          | Mode         | BWch (MHz) | Nant        |
|---------------|--------------|------------|-------------|
| 2.4-2.4835GHz | 802.11b      | 20         | 1TX(Port 1) |
| 2.4-2.4835GHz | 802.11g      | 20         | 1TX(Port 1) |
| 2.4-2.4835GHz | 802.11n HT20 | 20         | 2TX         |
| 2.4-2.4835GHz | 802.11n HT40 | 40         | 2TX         |

#### <Small board>

| Band          | Mode         | BWch (MHz) | Nant        |
|---------------|--------------|------------|-------------|
| 2.4-2.4835GHz | 802.11b      | 20         | 1TX(Port 2) |
| 2.4-2.4835GHz | 802.11g      | 20         | 1TX(Port 2) |
| 2.4-2.4835GHz | 802.11n HT20 | 20         | 2TX         |
| 2.4-2.4835GHz | 802.11n HT40 | 40         | 2TX         |

#### Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**
**<Big board>**

| Ant. | Port | Brand | P/N                    | Antenna Type | Connector      | Gain (dBi) | Cable Length(mm) |
|------|------|-------|------------------------|--------------|----------------|------------|------------------|
| 1    | 1    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 2.60       | 300              |
| 2    | 1    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.89       | 400              |
| 3    | 1    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.75       | 450              |
| 4    | 1    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.71       | 500              |
| 5    | 1    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.72       | 550              |
| 6    | 1    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.62       | 600              |
| 7    | 2    | PSA   | RFMTA1006<br>00NNLB001 | PIFA Antenna | fixed on board | 0.52       | -                |

Note: 1: 802.11b/g only includes 1TX and Port1 for emission.

Note: 2: 802.11n used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)

**<Small board>**

| Ant. | Port | Brand | P/N                    | Antenna Type | Connector      | Gain (dBi) | Cable Length(mm) |
|------|------|-------|------------------------|--------------|----------------|------------|------------------|
| 1    | 2    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 2.60       | 300              |
| 2    | 2    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.89       | 400              |
| 3    | 2    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.75       | 450              |
| 4    | 2    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.71       | 500              |
| 5    | 2    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.72       | 550              |
| 6    | 2    | PSA   | RFMTA4010<br>29IMLB701 | PIFA Antenna | I-PEX          | 1.62       | 600              |
| 7    | 1    | PSA   | RFMTA1006<br>00NNLB001 | PIFA Antenna | fixed on board | 0.52       | -                |

Note: 1: 802.11b/g only includes 1TX and Port 2 for emission.

Note: 2: 802.11n used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)

**1.1.3 EUT Information**

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

**1.1.4 Mode Test Duty Cycle**
**<Big board>**

| Mode         | DC | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|--------------|----|---------|----------------------|----------------------|
| 802.11b      | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11g      | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11n HT20 | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11n HT40 | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

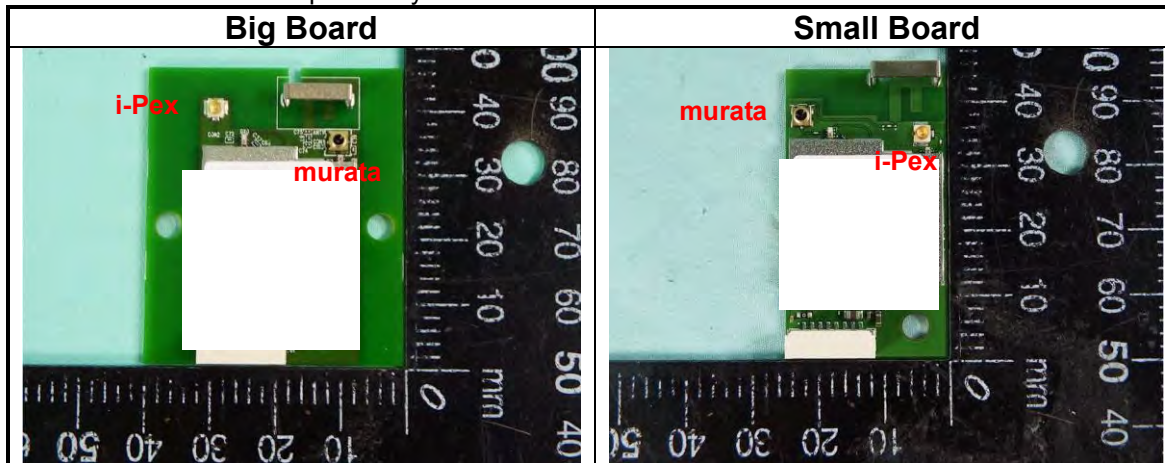
**<Small board>**

| Mode         | DC    | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|--------------|-------|---------|----------------------|----------------------|
| 802.11b      | 1     | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11g      | 0.999 | 0.004   | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11n HT20 | 0.993 | 0.031   | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11n HT40 | 0.999 | 0.004   | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

### 1.1.5 Table for Explanation of module boards

There are two module boards for EUT. The difference between these two boards as below:

1. i-Pex connector is replaced by murata connector.
2. murata connector is replaced by i-Pex connector.



## 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 558074 D01 v04
- ♦ KDB 662911 D01 v02r01

### 1.3 Testing Location Information

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

| Test Condition                | Test Site No. | Test Engineer | Test Environment | Test Date   |
|-------------------------------|---------------|---------------|------------------|-------------|
| RF Conducted<br><Big board>   | TH07-HY       | Gary          | 22.5°C / 61%     | 08/Jun/2017 |
| RF Conducted<br><Small board> | TH07-HY       | Candy         | 22.5°C / 63%     | 04/Aug/2017 |
| Radiated<br><Big board>       | 03CH02-HY     | Daniel        | 21.6C / 58%      | 16/Jun/2017 |
| Radiated<br><Small board>     | 03CH02-HY     | Andy          | 23.5C / 58%      | 27/Jul/2017 |
| AC Conduction                 | CO04-HY       | Bear          | 20.7°C / 62%     | 13/Jun/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   |

### 2.2 Test Channel Mode

| Test Software Version | REALTEK 11ac 8812AU 0.0062.14.20160929 |
|-----------------------|----------------------------------------|
|-----------------------|----------------------------------------|

<Big board>

| Mode                         | Power Setting |
|------------------------------|---------------|
| 802.11b_(1Mbps)_1TX          | -             |
| 2412MHz                      | 42            |
| 2437MHz                      | 42            |
| 2462MHz                      | 42            |
| 802.11g_(6Mbps)_1TX          | -             |
| 2412MHz                      | 49            |
| 2437MHz                      | 56            |
| 2462MHz                      | 47            |
| 802.11n HT20_Nss1,(MCS0)_2TX | -             |
| 2412MHz                      | 48,50         |
| 2437MHz                      | 48,50         |
| 2462MHz                      | 48,50         |
| 802.11n HT40_Nss1,(MCS0)_2TX | -             |
| 2422MHz                      | 48,49         |
| 2437MHz                      | 50,51         |
| 2452MHz                      | 46,47         |

**<Small board>**

| <b>Mode</b>                  | <b>Power Setting</b> |
|------------------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_1TX     | -                    |
| 2412MHz                      | 49                   |
| 2437MHz                      | 53                   |
| 2462MHz                      | 44                   |
| 802.11g_Nss1,(6Mbps)_1TX     | -                    |
| 2412MHz                      | 50                   |
| 2437MHz                      | 60                   |
| 2462MHz                      | 48                   |
| 802.11n HT20_Nss1,(MCS0)_2TX | -                    |
| 2412MHz                      | 48,49                |
| 2437MHz                      | 48,50                |
| 2462MHz                      | 45,47                |
| 802.11n HT40_Nss1,(MCS0)_2TX | -                    |
| 2422MHz                      | 48,49                |
| 2437MHz                      | 50,51                |
| 2452MHz                      | 45,46                |

## 2.3 The Worst Case Measurement Configuration

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

| The Worst Case Mode for Following Conformance Tests |                                                                                                                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | DTS Bandwidth<br>Maximum Conducted Output Power<br>Power Spectral Density<br>Emissions in Non-restricted Frequency Bands |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains                                                                                 |

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |                                                                                     |                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Emissions in Restricted Frequency Bands                                                                                                                                                                                                             |                                                                                     |                                                                                       |
| <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                                                   | USB 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                                | AC Adapter for NB | DELL       | HA65NM130  | DoC    |
| 3                                | Fixture           | -          | -          | -      |

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

| Support Equipment – Radiated Emission |                   |            |            |        |
|---------------------------------------|-------------------|------------|------------|--------|
| No.                                   | Equipment         | Brand Name | Model Name | FCC ID |
| 1                                     | Notebook          | DELL       | E5530      | DoC    |
| 2                                     | AC Adapter for NB | DELL       | L90PM111   | DoC    |
| 3                                     | Fixture           | -          | -          | -      |

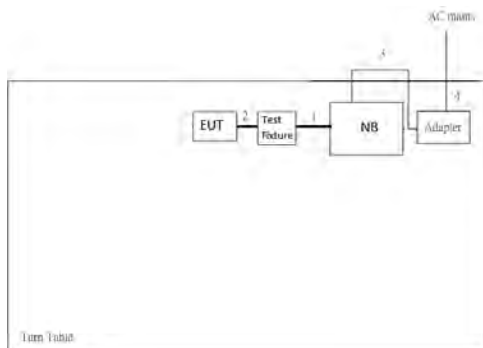
Note.Support equipment No.3 was provided by customer.

| Support Equipment – AC Conduction |                   |            |            |        |
|-----------------------------------|-------------------|------------|------------|--------|
| No.                               | Equipment         | Brand Name | Model Name | FCC ID |
| 1                                 | Notebook          | DELL       | E5530      | DoC    |
| 2                                 | AC Adapter for NB | DELL       | L90PM111   | DoC    |
| 3                                 | Fixture           | -          | -          | -      |

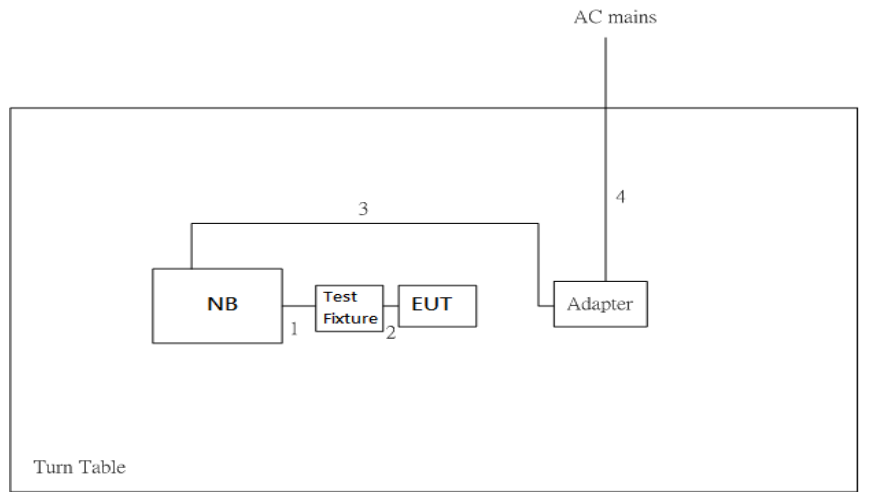
Note.Support equipment No.3 was provided by customer.

## 2.5 Test Setup Diagram

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



| Item | Connection         | Shielded | Length(m) | Remark |
|------|--------------------|----------|-----------|--------|
| 1    | USB Cable          | No       | 0.1m      | -      |
| 2    | Test Fixture cable | No       | 0.1m      | -      |
| 3    | AC power line      | No       | 1.8m      | -      |
| 4    | AC power cable     | No       | 1.8m      | -      |

**Test Setup Diagram - Radiated Test**


| Item | Connection         | Shielded | Length(m) | Remark |
|------|--------------------|----------|-----------|--------|
| 1    | USB Cable          | No       | 0.1m      | -      |
| 2    | Test Fixture cable | No       | 0.1m      | -      |
| 3    | AC power line      | No       | 1.8m      | -      |
| 4    | AC power cable     | No       | 1.8m      | -      |

### 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.

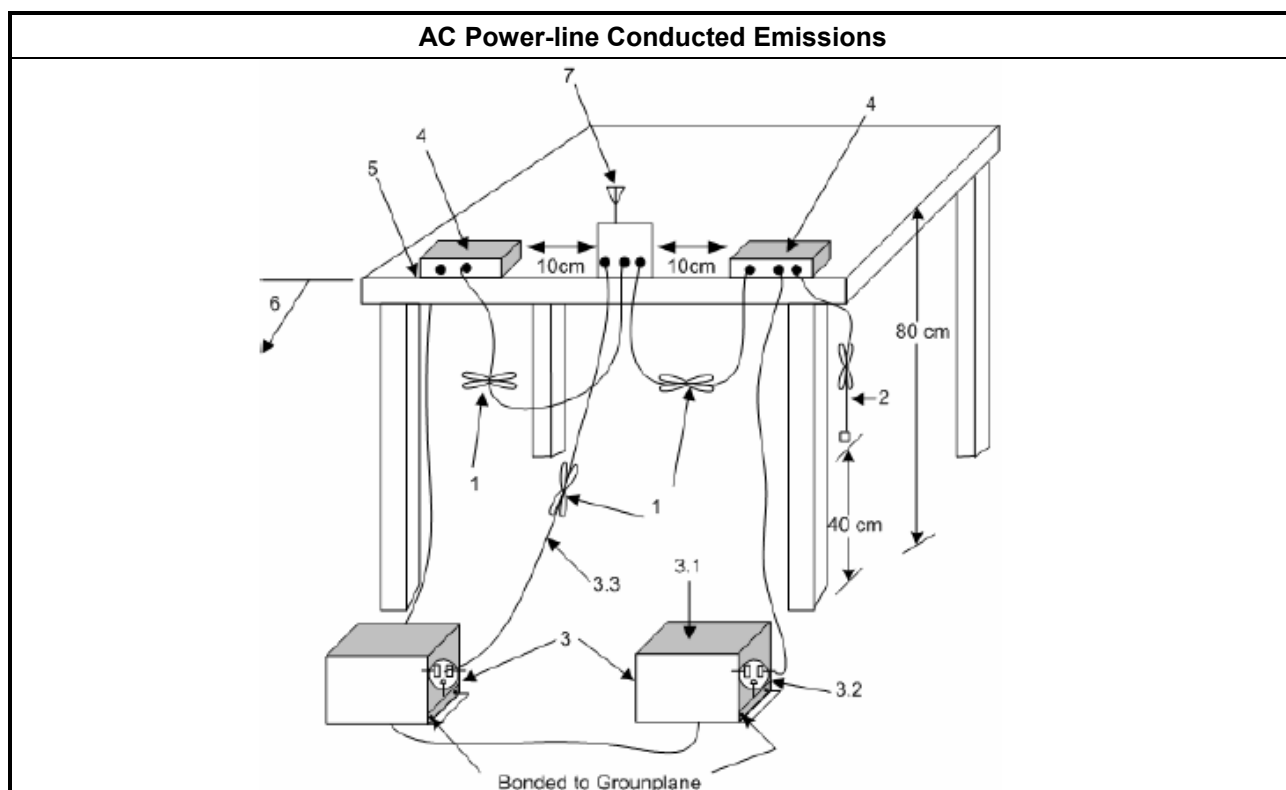
### 3.1.2 Measuring Instruments

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 DTS Bandwidth

### 3.2.1 6dB Bandwidth Limit

| 6dB Bandwidth Limit                                 |                                |
|-----------------------------------------------------|--------------------------------|
| <b>Systems using digital modulation techniques:</b> |                                |
| ▪                                                   | 6 dB bandwidth $\geq$ 500 kHz. |

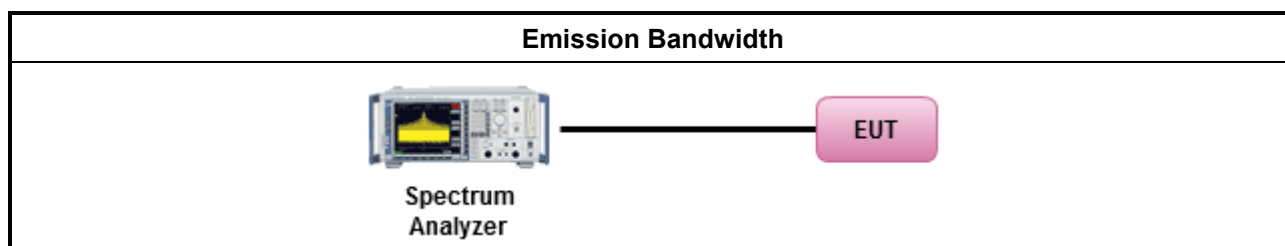
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

| Test Method                         |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| ▪                                   | For the emission bandwidth shall be measured using one of the options below: |
| <input checked="" type="checkbox"/> | Refer as KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.     |
| <input type="checkbox"/>            | Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.     |
| <input type="checkbox"/>            | Refer as ANSI C63.10, clause 6.9.3 for occupied 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                                                                                                                              |                                                                                                                                                                           |                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>                                          |                                                                      |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul> |                                                                      |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>    |                                                                      |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Smart antenna system (SAS):</li> </ul>                                                                                             |                                                                      |
|                                                                                                                                                                   | - Single beam:                                                                                                                                                            | If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm        |
|                                                                                                                                                                   | - Overlap beam:                                                                                                                                                           | If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm        |
|                                                                                                                                                                   | - Aggregate power on all beams:                                                                                                                                           | If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm |
| e.i.r.p. Power Limit:                                                                                                                                             |                                                                                                                                                                           |                                                                      |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>2400-2483.5 MHz Band</li> </ul>                                                                                                    |                                                                      |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): <math>P_{eirp} \leq 36</math> dBm (4 W)</li> </ul>                                              |                                                                      |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-point systems (P2P): <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])</math> dBm</li> </ul>                         |                                                                      |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Smart antenna system (SAS)</li> </ul>                                                                                              |                                                                      |
|                                                                                                                                                                   | - Single beam:                                                                                                                                                            | $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm                 |
|                                                                                                                                                                   | - Overlap beam:                                                                                                                                                           | $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm                 |
|                                                                                                                                                                   | - Aggregate power on all beams:                                                                                                                                           | $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm           |
| $P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. |                                                                                                                                                                           |                                                                      |

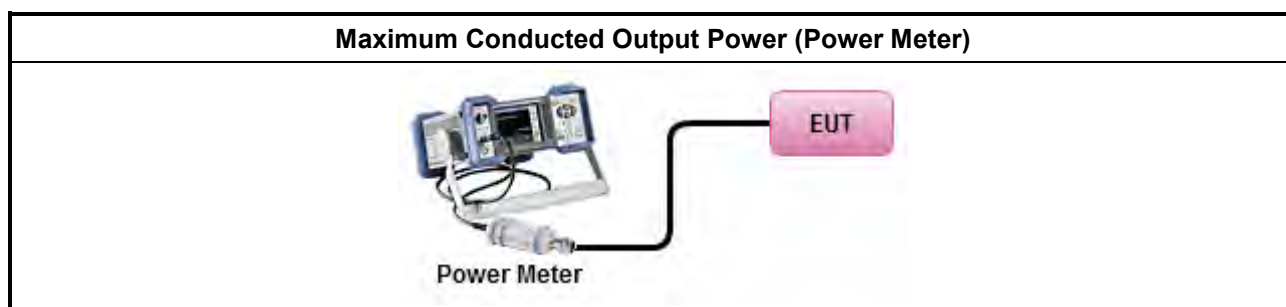
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Maximum Peak Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                              |                                                                                     |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).                      |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)           |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)      |
| <ul style="list-style-type: none"> <li>Maximum Average Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                           |                                                                                     |
| Duty cycle ≥ 98%                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).      |
| Duty cycle < 98%                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)          |
| RF power meter and average over on/off periods with duty factor or gated trigger                                                                                                                                                                                                                                                                                   |                                                                                     |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                | Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (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 display="block">P_{total} = P_1 + P_2 + \dots + P_n</math> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math display="block">EIRP_{total} = P_{total} + DG</math> </li> </ul>                              |                                                                                     |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

| Power Spectral Density Limit |                                                |
|------------------------------|------------------------------------------------|
| ▪                            | Power Spectral Density (PSD) $\leq$ 8 dBm/3kHz |

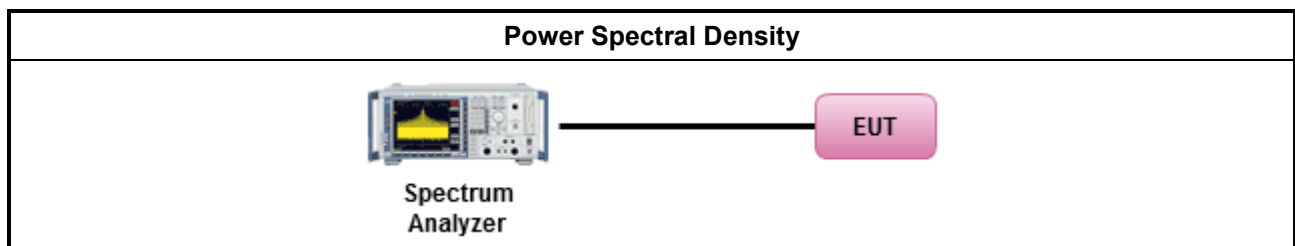
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪                                   | Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).                                                                                                         |
| <input checked="" type="checkbox"/> | Refer as KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ▪                                   | For conducted measurement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ▪                                   | If The EUT supports multiple transmit chains using options given below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input checked="" 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. |

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

### 3.5 Emissions in Non-restricted Frequency Bands

#### 3.5.1 Emissions in Non-restricted Frequency Bands Limit

| Un-restricted Band Emissions Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| RF output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Limit (dB) |
| Peak output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20         |
| Average output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30         |
| <p>Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.</p> <p>Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.</p> |            |

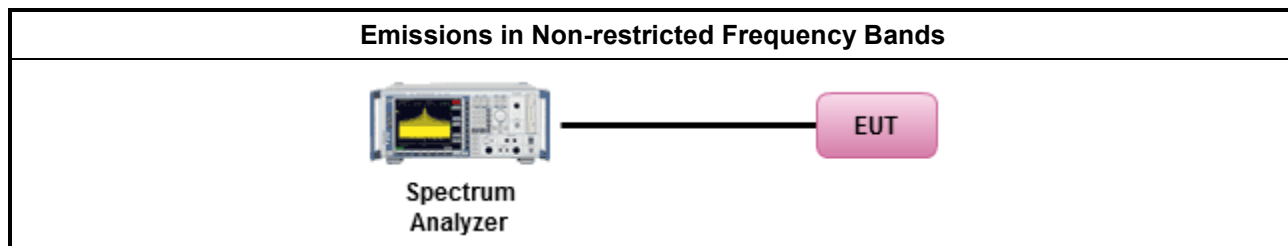
#### 3.5.2 Measuring Instruments

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>Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.</li> </ul> |

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

## 3.6 Emissions in Restricted Frequency Bands

### 3.6.1 Emissions in Restricted Frequency Bands Limit

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

Note 1: 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.

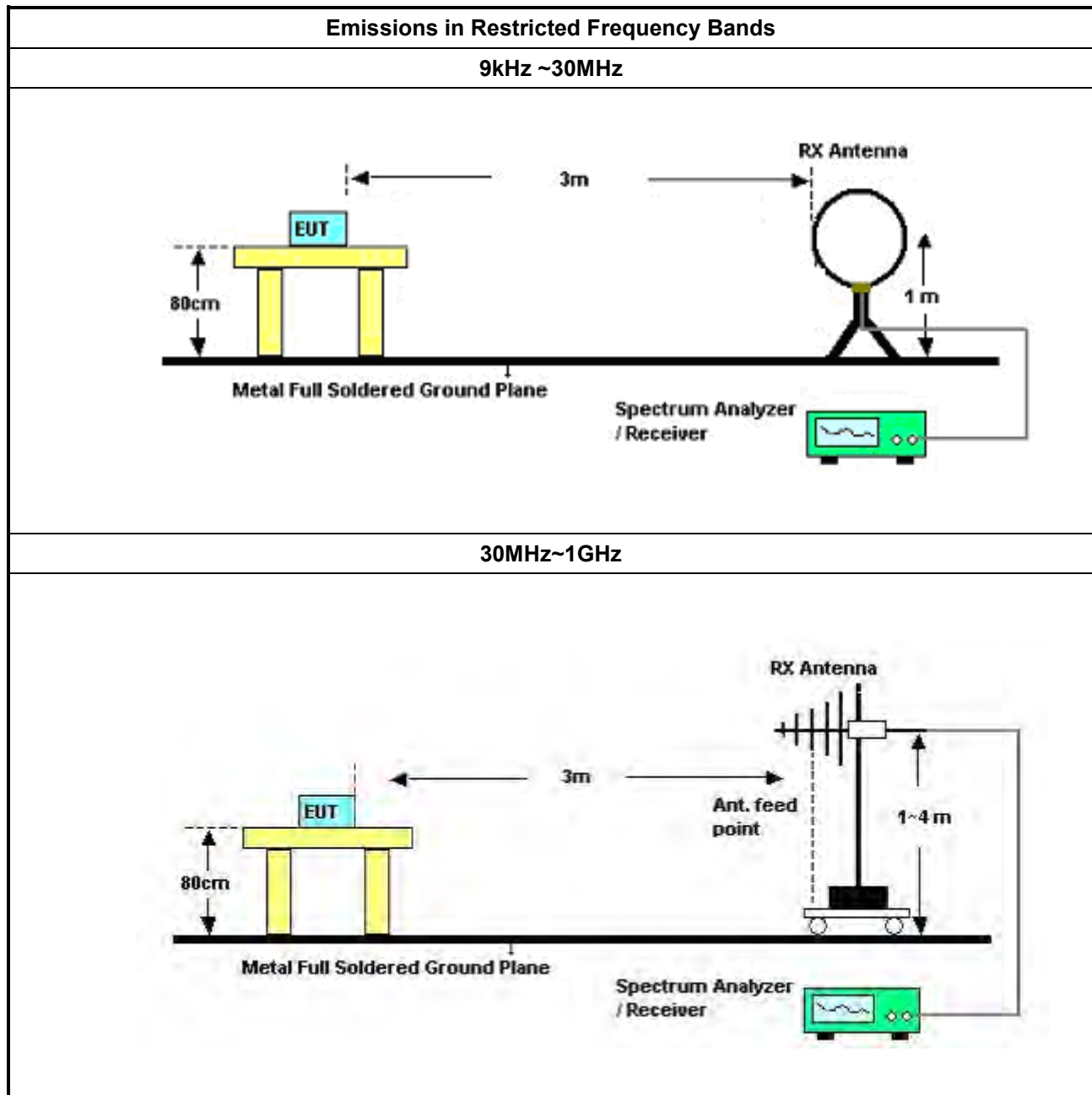
### 3.6.2 Measuring Instruments

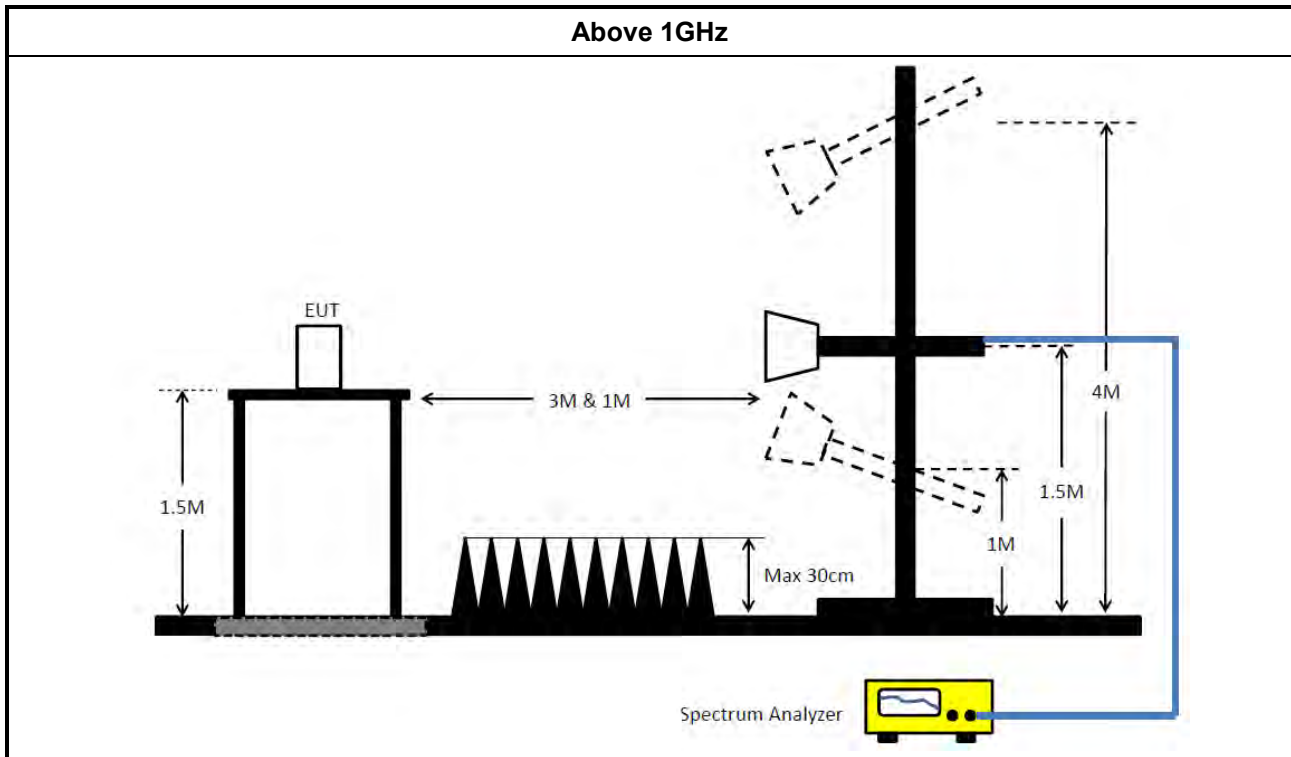
Refer a test equipment and calibration data table in this test report.

### 3.6.3 Test Procedures

| Test Method                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>The average emission levels shall be measured in [duty cycle <math>\geq 98</math> or duty factor].</li> </ul>                                                                        |                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</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 558074, clause 12 for unwanted emissions into restricted bands.</li> </ul>                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW $\geq 1/T$ .                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Refer as KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.</li> </ul>                                                                                                                            |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.</li> </ul>                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).</li> </ul>                                                                                                                                                                                          |
| <ul style="list-style-type: none"> <li>For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2.</li> </ul>                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>For conducted unwanted emissions into restricted bands (absolute emission limits).<br/>Devices with multiple transmit chains using options given below:<br/>(1) Measure and sum the spectra across the outputs or<br/>(2) Measure and add 10 log(N) dB</li> </ul>                                                                                   |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.</li> </ul> |

### 3.6.4 Test Setup





### 3.6.5 Test Result of Emissions in Restricted Frequency Bands

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         | 9KHz ~ 3.6GHz       | 29/Apr/2017      | 28/Apr/2018          |
| LISN                                  | R&S          | ENV216     | 101295         | 9kHz ~ 30MHz        | 15/Nov/2016      | 14/Nov/2017          |
| RF Cable-CON                          | HUBER+SUHNER | RG213/U    | 07611832020001 | 9kHz ~ 30MHz        | 24/Oct/2016      | 23/Oct/2017          |
| AC POWER                              | APC          | AFC-11005G | F310050055     | 47Hz~63Hz<br>5~300V | NCR              | NCR                  |
| Impuls<br>Begrenzer Puls<br>e Limiter | R&S          | ESH3-Z2    | 100921         | 10 kHz ~ 30 MHz     | 21/Oct/2015      | 20/Oct/2016          |

NCR : Non-Calibration Require

### Instrument for Radiated Test

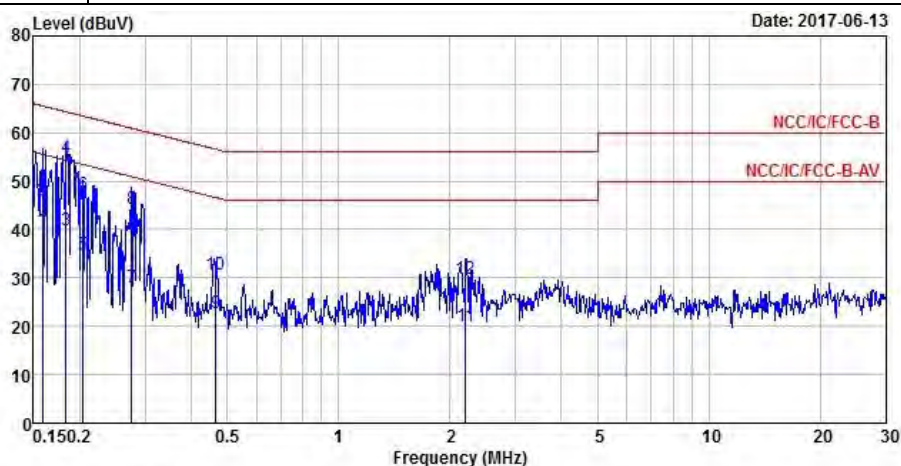
| Instrument        | Manufacturer   | Model No.   | Serial No.     | Spec.          | Calibration Date | Calibration Due Date |
|-------------------|----------------|-------------|----------------|----------------|------------------|----------------------|
| Spectrum Analyzer | R&S            | FSP40       | 100593         | 9kHz - 40GHz   | 26/Oct/2016      | 25/Oct/2017          |
| 3m Semi Anechoic  | SIDT FRANKONIA | SAC-3M      | 03CH02-HY      | 30MHz-1GHz     | 21/Oct/2016      | 20/Oct/2017          |
| 3m Semi Anechoic  | SIDT FRANKONIA | SAC-3M      | 03CH02-HY      | 1GHz ~ 18GHz   | 12/Dec/2016      | 11/Dec/2017          |
| Amplifier         | Agilent        | 8447D       | 2944A11149     | 100kHz-1.3GHz  | 01/Jul/2016      | 30/Jun/2017          |
| Amplifier         | Agilent        | 8447D       | 2944A11149     | 100KHz-1.3GHz  | 29/Jun/2017      | 28/Jun/2018          |
| Amplifier         | Agilent        | 8449B       | 3008A02373     | 1GHz-26.5GHz   | 02/Sep/2016      | 01/Sep/2017          |
| Horn Antenna      | SCHWARZBECK    | BBHA9120D   | BBHA9120D01531 | 1GHz-18GHz     | 25/Apr/2017      | 24/Apr/2018          |
| Horn Antenna      | SCHWARZBECK    | BBHA9170    | BBHA9170154    | 15GHz-40GHz    | 06/Feb/2017      | 05/Feb/2018          |
| Bilog Antenna     | SCHAFFNER      | CBL6112B    | 2723           | 30MHz-1GHz     | 01/Oct/2016      | 30/Sep/2017          |
| Loop Antenna      | TESEQ          | HLA 6120    | 31244          | 9kHz-30MHz     | 02/Mar/2017      | 01/Mar/2018          |
| RF Cable-high     | SUHNER         | SUCOFLEX104 | MY34918/4      | 1GHz ~ 40GHz   | 26/Jan/2017      | 25/Jan/2018          |
| RF Cable-R03m     | Jye Bao        | RG142       | CB017          | 9kHz ~ 1GHz    | 26/Jan/2017      | 25/Jan/2018          |
| Receiver          | R&S            | ESU-26      | 100422/026     | 20Hz ~ 26.5GHz | 21/Sep/2016      | 20/Sep/2017          |

**Instrument for Conducted Test**

| Instrument        | Manufacturer | Model No.    | Serial No. | Spec.           | Calibration Date | Calibration Due Date |
|-------------------|--------------|--------------|------------|-----------------|------------------|----------------------|
| Spectrum Analyzer | R&S          | FSP 40       | 100305     | 9kHz~40GHz      | 30/Dec/2016      | 29/Dec/2017          |
| Power Sensor      | Anritsu      | MA2411B      | 1339407    | 300MHz ~ 40GHz  | 27/Oct/2016      | 26/Oct/2017          |
| Power Meter       | Anritsu      | ML2495A      | 1517010    | 300MHz ~ 40GHz  | 27/Oct/2016      | 26/Oct/2017          |
| Signal Generator  | R&S          | SMR40        | 100116     | 10MHz ~ 40GHz   | 21/Jul/2016      | 20/Jul/2017          |
| Signal Generator  | R&S          | SMR40        | 100116     | 10MHz ~ 40GHz   | 20/Jul/2017      | 19/Jul/2018          |
| RF Cable-0.2m     | HUBER+SUHNER | SUCOFLEX_104 | MY10710/4  | 30MHz ~ 26.5GHz | 02/Oct/2016      | 01/Oct/2017          |
| RF Cable-0.2m     | HUBER+SUHNER | SUCOFLEX_104 | MY10709/4  | 30MHz ~ 26.5GHz | 02/Oct/2016      | 01/Oct/2017          |
| RF Cable-0.5m     | HUBER+SUHNER | SUCOFLEX_104 | MY10713/4  | 30MHz ~ 26.5GHz | 02/Oct/2016      | 01/Oct/2017          |

## AC Power-line Conducted Emissions Result

|                    |          |             |         |
|--------------------|----------|-------------|---------|
| Operating Mode     | 1        | Power Phase | Neutral |
| Operating Function | USB mode |             |         |



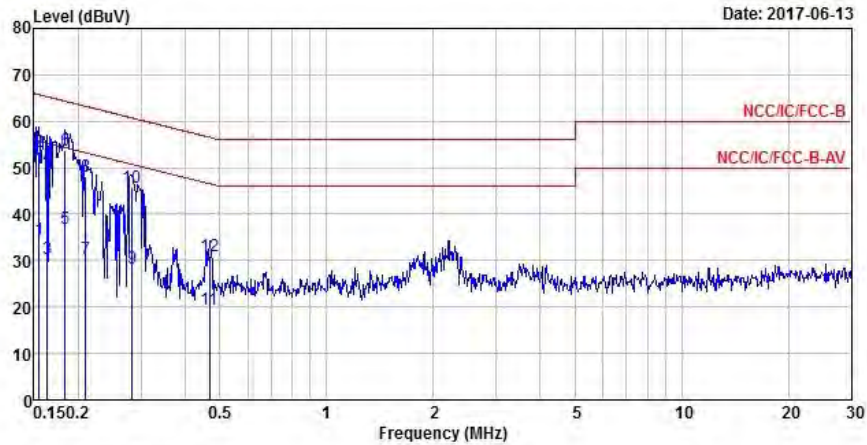
|       | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark  |
|-------|------|-------|------------|------------|------------|-------------|------------|---------|
|       | MHz  | dBuV  | dB         | dBuV       | dBuV       | dB          | dB         |         |
| 1     | 0.16 | 39.84 | -15.72     | 55.56      | 30.00      | 9.61        | 0.23       | Average |
| 2     | 0.16 | 46.19 | -19.37     | 65.56      | 36.35      | 9.61        | 0.23       | QP      |
| 3     | 0.18 | 39.81 | -14.52     | 54.33      | 29.88      | 9.65        | 0.28       | Average |
| 4 MAX | 0.18 | 54.79 | -9.54      | 64.33      | 44.86      | 9.65        | 0.28       | QP      |
| 5     | 0.20 | 34.83 | -18.62     | 53.45      | 24.87      | 9.67        | 0.29       | Average |
| 6     | 0.20 | 47.34 | -16.11     | 63.45      | 37.38      | 9.67        | 0.29       | QP      |
| 7     | 0.28 | 28.01 | -22.93     | 50.94      | 18.15      | 9.65        | 0.21       | Average |
| 8     | 0.28 | 44.40 | -16.54     | 60.94      | 34.54      | 9.65        | 0.21       | QP      |
| 9     | 0.47 | 22.66 | -23.93     | 46.59      | 12.94      | 9.62        | 0.10       | Average |
| 10    | 0.47 | 30.84 | -25.75     | 56.59      | 21.12      | 9.62        | 0.10       | QP      |
| 11    | 2.20 | 19.97 | -26.03     | 46.00      | 10.04      | 9.66        | 0.27       | Average |
| 12    | 2.20 | 29.86 | -26.14     | 56.00      | 19.93      | 9.66        | 0.27       | 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 | USB mode |             |      |



|       | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark  |
|-------|------|-------|------------|------------|------------|-------------|------------|---------|
|       | MHz  | dBuV  | dB         | dBuV       | dBuV       | dB          | dB         |         |
| 1     | 0.15 | 34.52 | -21.22     | 55.74      | 24.63      | 9.66        | 0.23       | Average |
| 2     | 0.15 | 53.36 | -12.38     | 65.74      | 43.47      | 9.66        | 0.23       | QP      |
| 3     | 0.16 | 30.55 | -24.75     | 55.30      | 20.65      | 9.66        | 0.24       | Average |
| 4     | 0.16 | 50.26 | -15.04     | 65.30      | 40.36      | 9.66        | 0.24       | QP      |
| 5     | 0.18 | 36.85 | -17.48     | 54.33      | 26.92      | 9.65        | 0.28       | Average |
| 6 MAX | 0.18 | 53.59 | -10.74     | 64.33      | 43.66      | 9.65        | 0.28       | QP      |
| 7     | 0.21 | 30.28 | -22.95     | 53.23      | 20.34      | 9.65        | 0.29       | Average |
| 8     | 0.21 | 48.24 | -14.99     | 63.23      | 38.30      | 9.65        | 0.29       | QP      |
| 9     | 0.28 | 28.28 | -22.44     | 50.72      | 18.42      | 9.66        | 0.20       | Average |
| 10    | 0.28 | 45.80 | -14.92     | 60.72      | 35.94      | 9.66        | 0.20       | QP      |
| 11    | 0.47 | 19.52 | -27.02     | 46.54      | 9.75       | 9.67        | 0.10       | Average |
| 12    | 0.47 | 31.07 | -25.47     | 56.54      | 21.30      | 9.67        | 0.10       | 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) |
|------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11b_(1Mbps)_1TX          | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 10.075M          | 14.893M         | 14M9G1D  | 10.075M          | 14.868M         |
| 802.11g_(6Mbps)_1TX          | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 16.55M           | 16.617M         | 16M6D1D  | 16.525M          | 16.517M         |
| 802.11n HT20_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 17.675M          | 17.666M         | 17M7D1D  | 17.6M            | 17.616M         |
| 802.11n HT40_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 36.4M            | 36.232M         | 36M2D1D  | 36.35M           | 36.132M         |

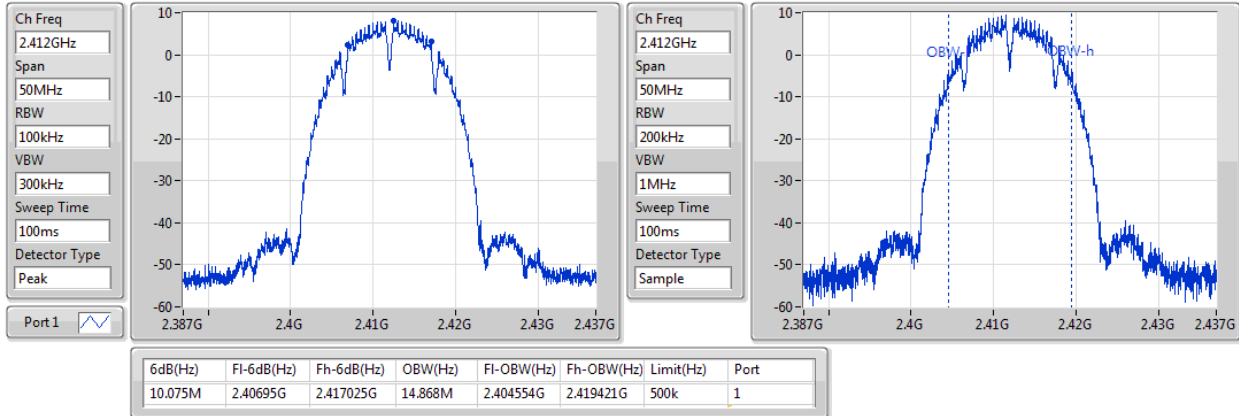
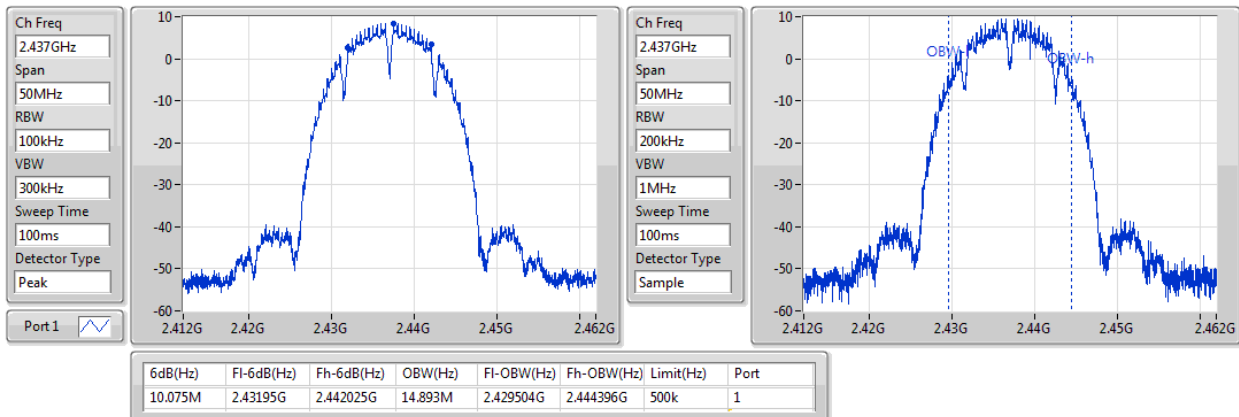
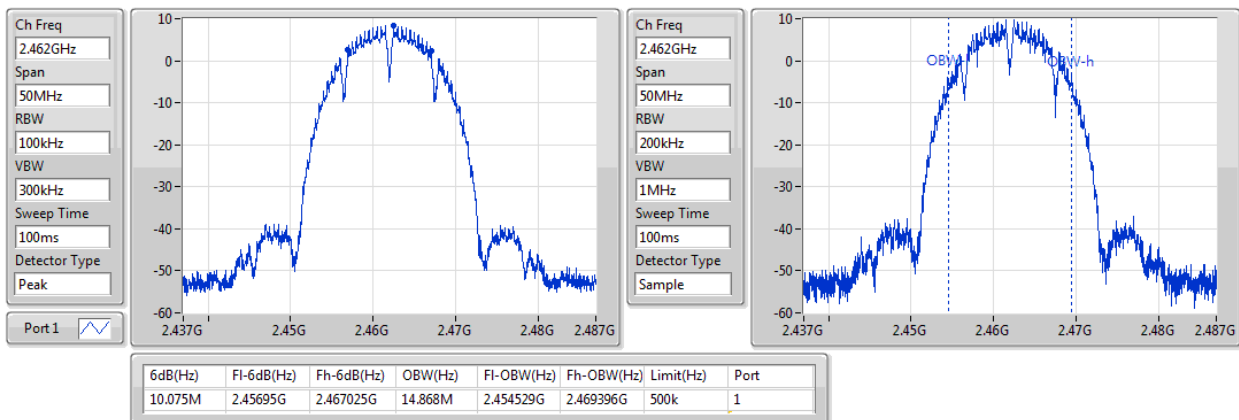
**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

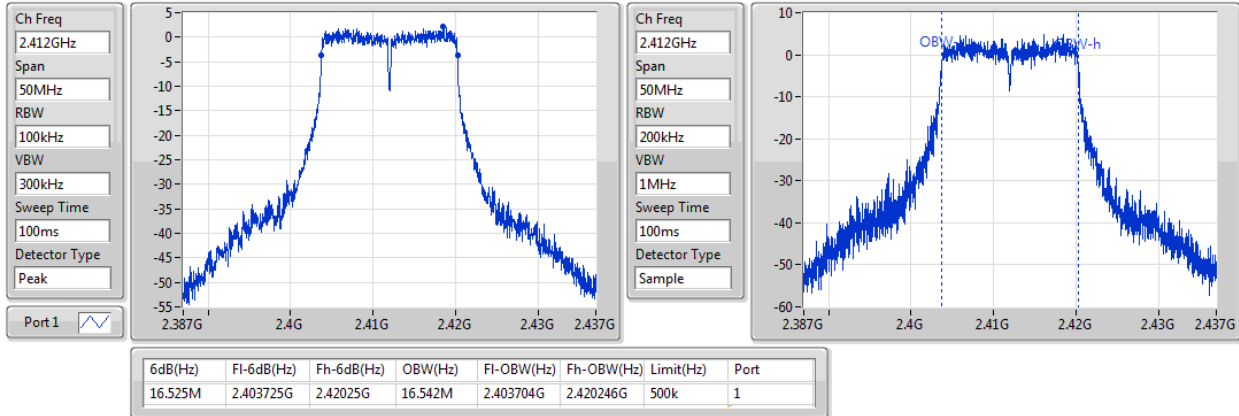
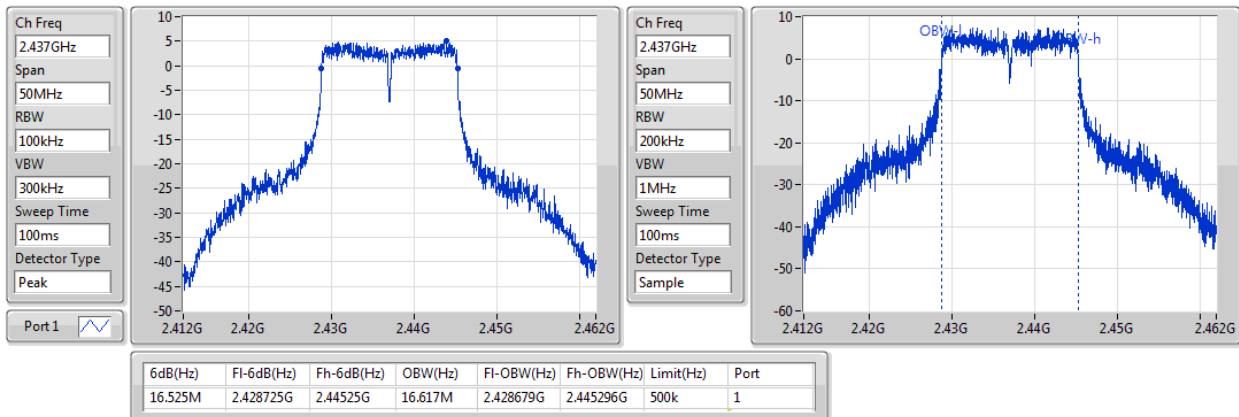
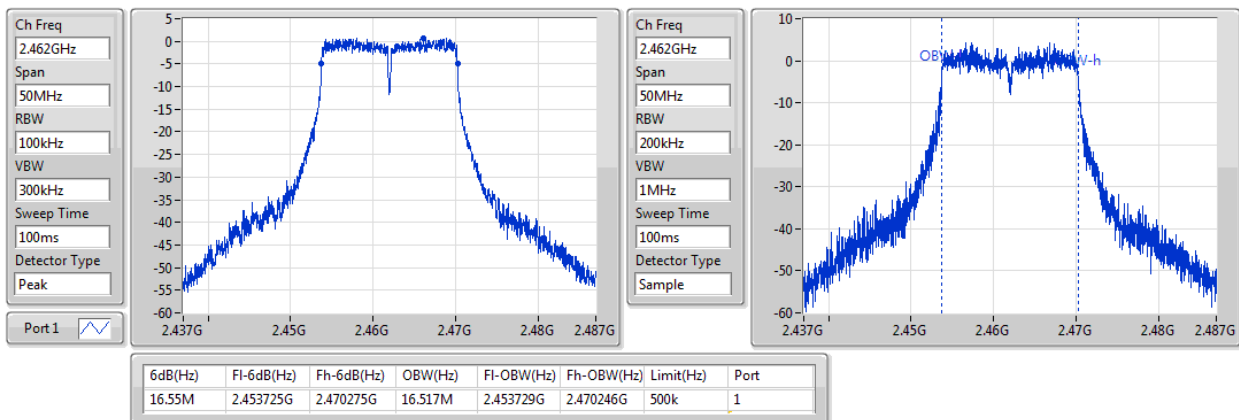
**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                         | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_(1Mbps)_1TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom             | Pass   | 500k          | 10.075M             | 14.868M            |                     |                    |
| 2437MHz_TnomVnom             | Pass   | 500k          | 10.075M             | 14.893M            |                     |                    |
| 2462MHz_TnomVnom             | Pass   | 500k          | 10.075M             | 14.868M            |                     |                    |
| 802.11g_(6Mbps)_1TX          | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom             | Pass   | 500k          | 16.525M             | 16.542M            |                     |                    |
| 2437MHz_TnomVnom             | Pass   | 500k          | 16.525M             | 16.617M            |                     |                    |
| 2462MHz_TnomVnom             | Pass   | 500k          | 16.55M              | 16.517M            |                     |                    |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom             | Pass   | 500k          | 17.65M              | 17.666M            | 17.675M             | 17.666M            |
| 2437MHz_TnomVnom             | Pass   | 500k          | 17.65M              | 17.666M            | 17.625M             | 17.616M            |
| 2462MHz_TnomVnom             | Pass   | 500k          | 17.65M              | 17.641M            | 17.6M               | 17.641M            |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom             | Pass   | 500k          | 36.35M              | 36.182M            | 36.35M              | 36.132M            |
| 2437MHz_TnomVnom             | Pass   | 500k          | 36.4M               | 36.232M            | 36.4M               | 36.232M            |
| 2452MHz_TnomVnom             | Pass   | 500k          | 36.4M               | 36.182M            | 36.4M               | 36.232M            |

**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

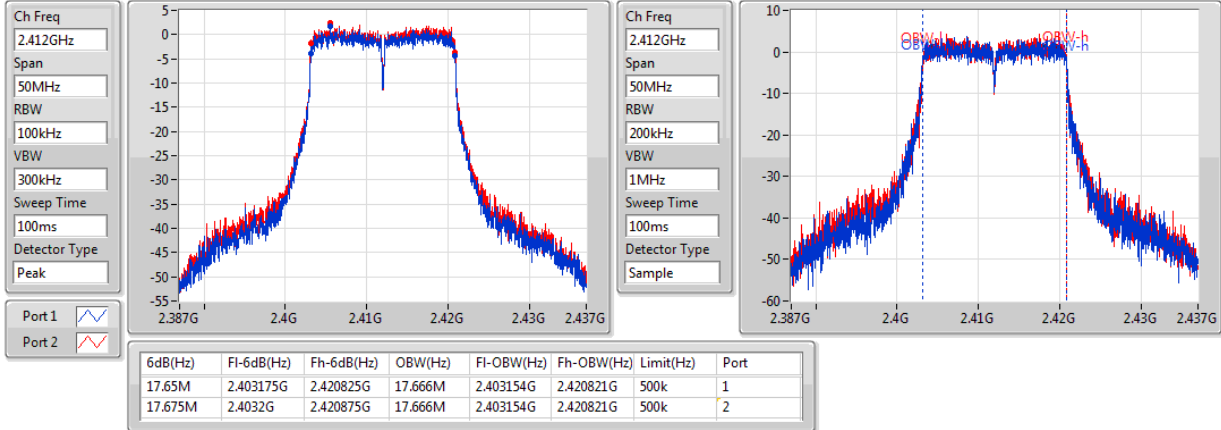
**802.11b\_(1Mbps)\_1TX**
**EBW**
**2412MHz**

**802.11b\_(1Mbps)\_1TX**
**EBW**
**2437MHz**

**802.11b\_(1Mbps)\_1TX**
**EBW**
**2462MHz**


**802.11g\_(6Mbps)\_1TX**
**EBW**
**2412MHz**

**802.11g\_(6Mbps)\_1TX**
**EBW**
**2437MHz**

**802.11g\_(6Mbps)\_1TX**
**EBW**
**2462MHz**


### 802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

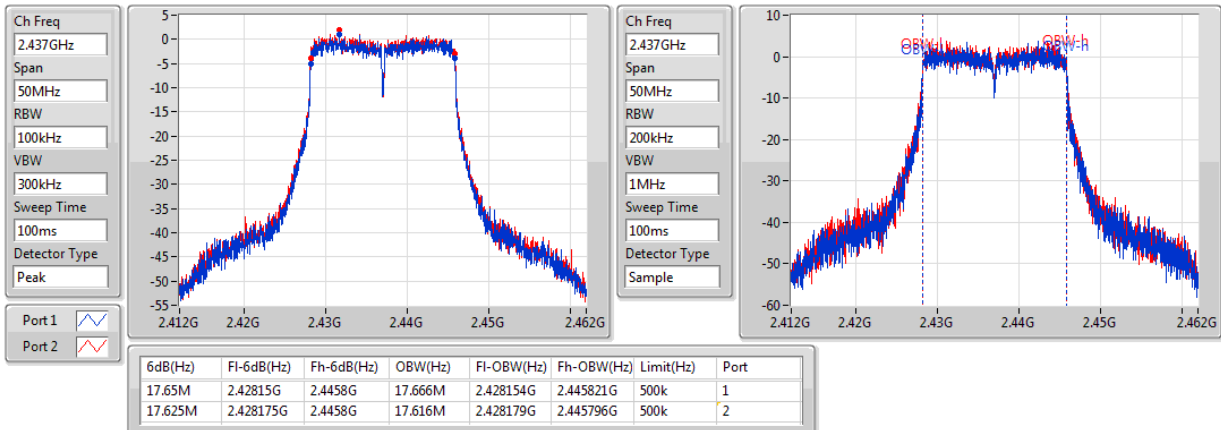
2412MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

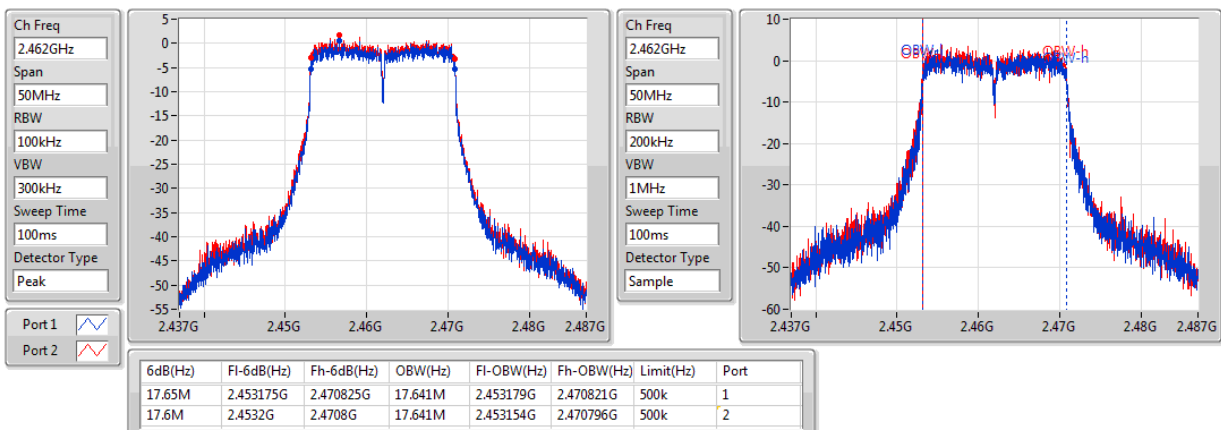
2437MHz

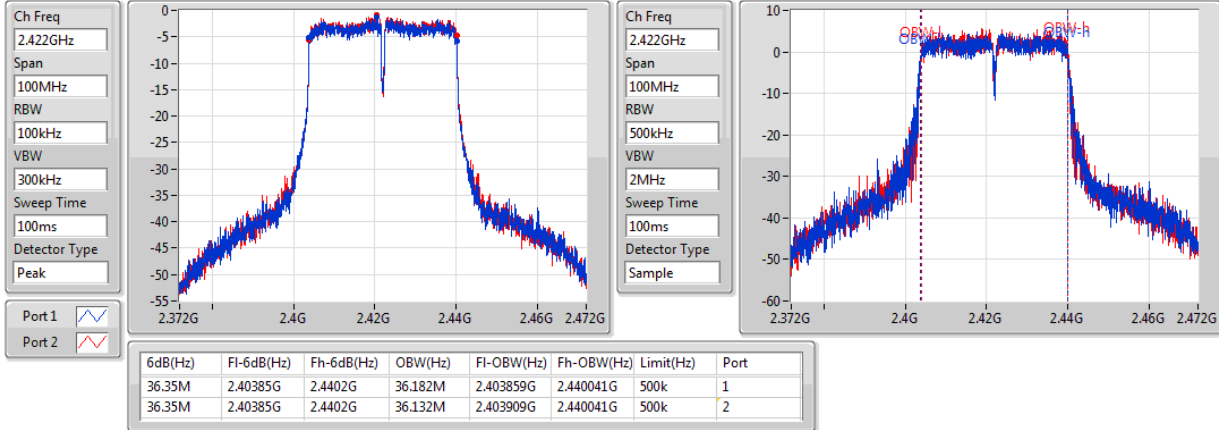
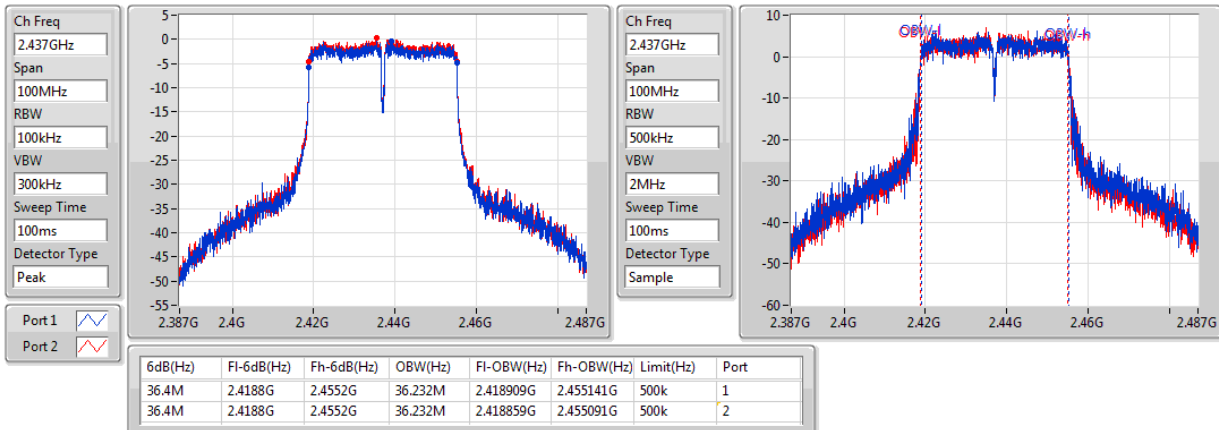
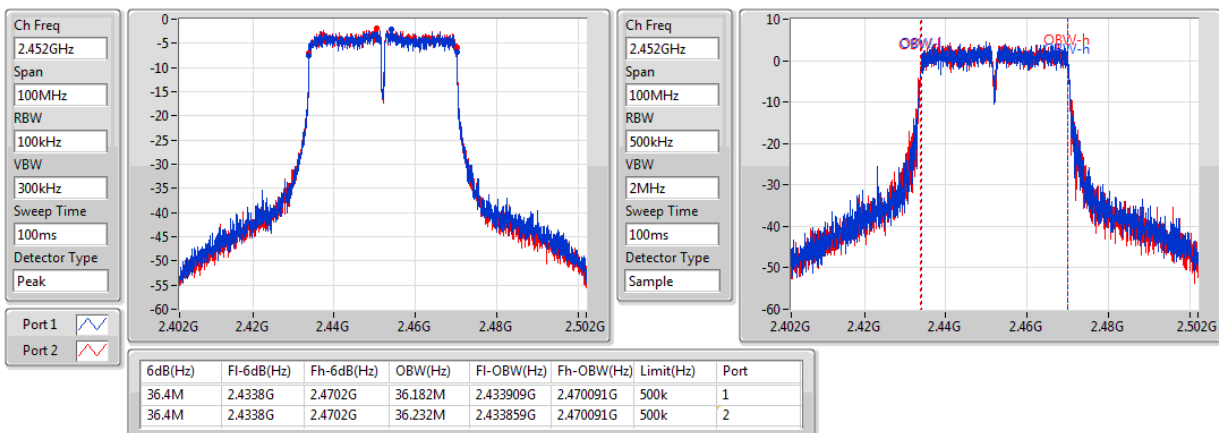


### 802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

2462MHz



**802.11n HT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**

**802.11n HT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2437MHz**

**802.11n HT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2452MHz**


**Summary**

| Mode                         | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 802.11b_Nss1,(1Mbps)_1TX     | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 10.075M          | 16.417M         | 16M4G1D  | 10.075M          | 15.017M         |
| 802.11g_Nss1,(6Mbps)_1TX     | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 16.55M           | 18.991M         | 19M0D1D  | 16.45M           | 16.542M         |
| 802.11n HT20_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 17.725M          | 17.716M         | 17M7D1D  | 17.625M          | 17.641M         |
| 802.11n HT40_Nss1,(MCS0)_2TX | -                | -               | -        | -                | -               |
| 2.4-2.4835GHz                | 36.5M            | 36.232M         | 36M2D1D  | 36.4M            | 36.132M         |

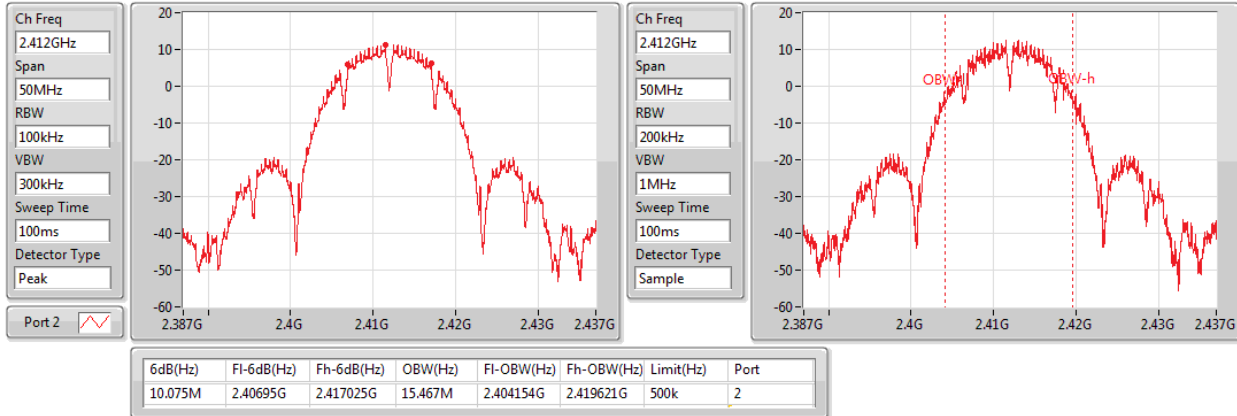
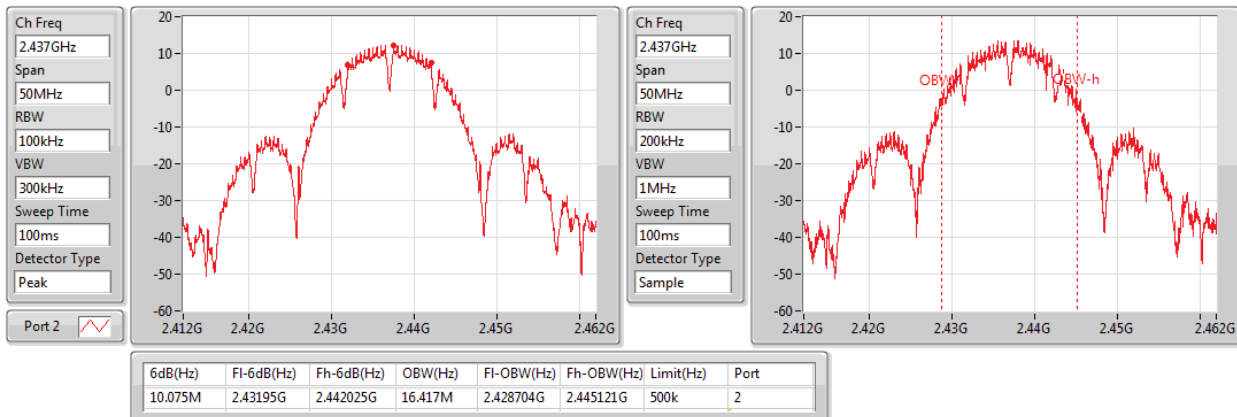
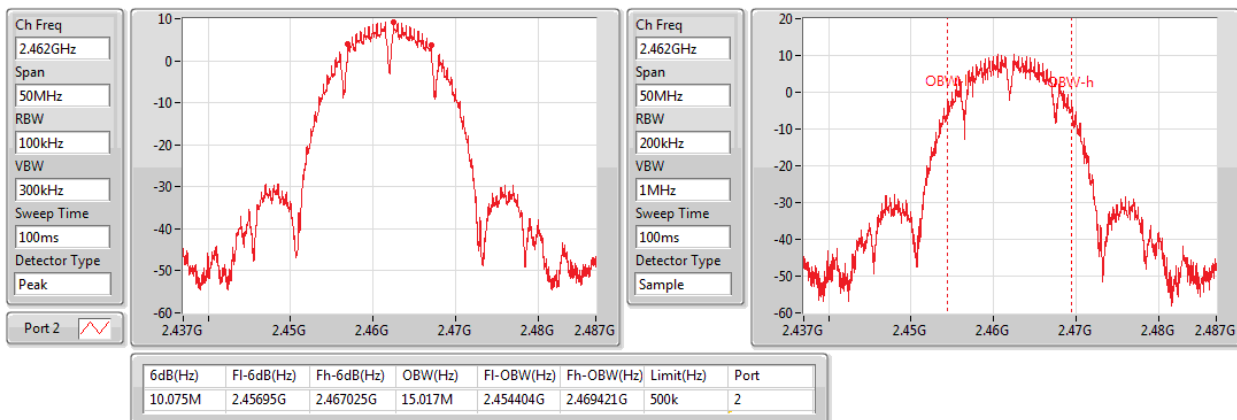
**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

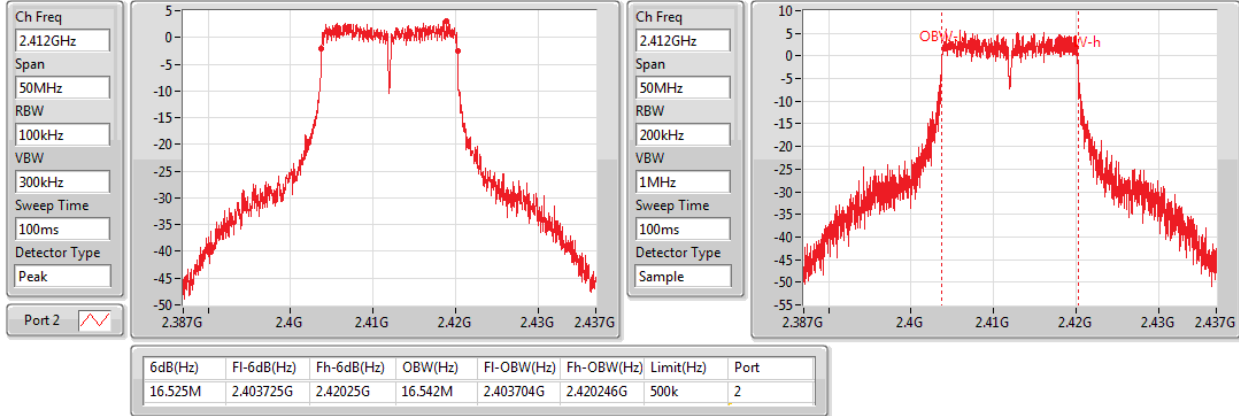
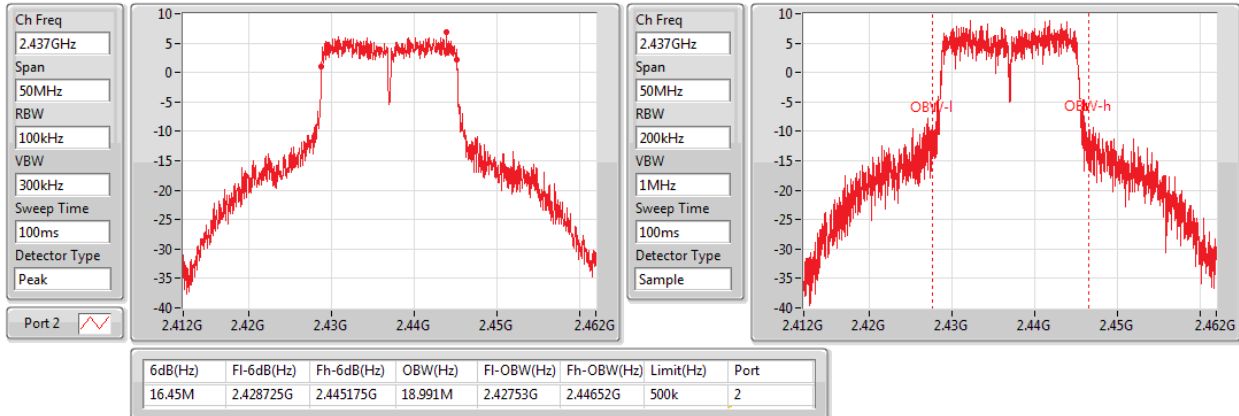
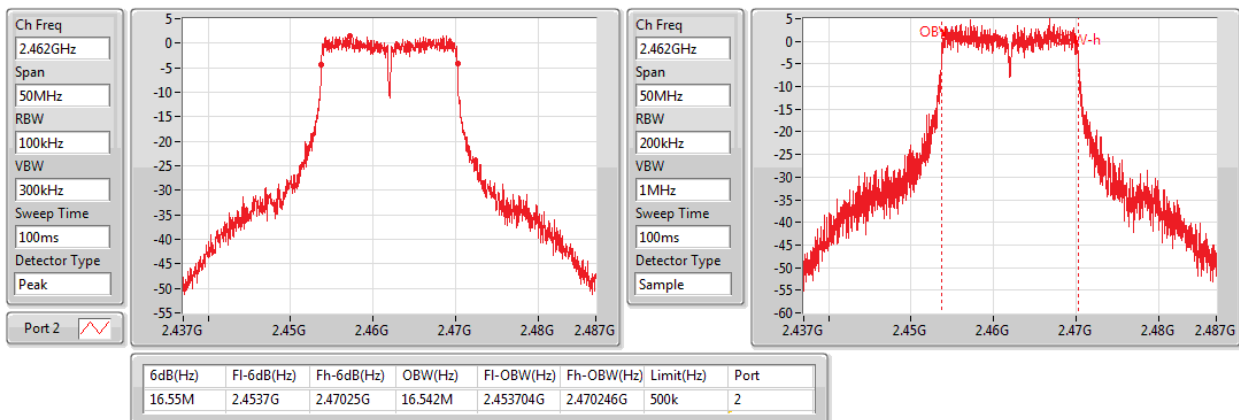
**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

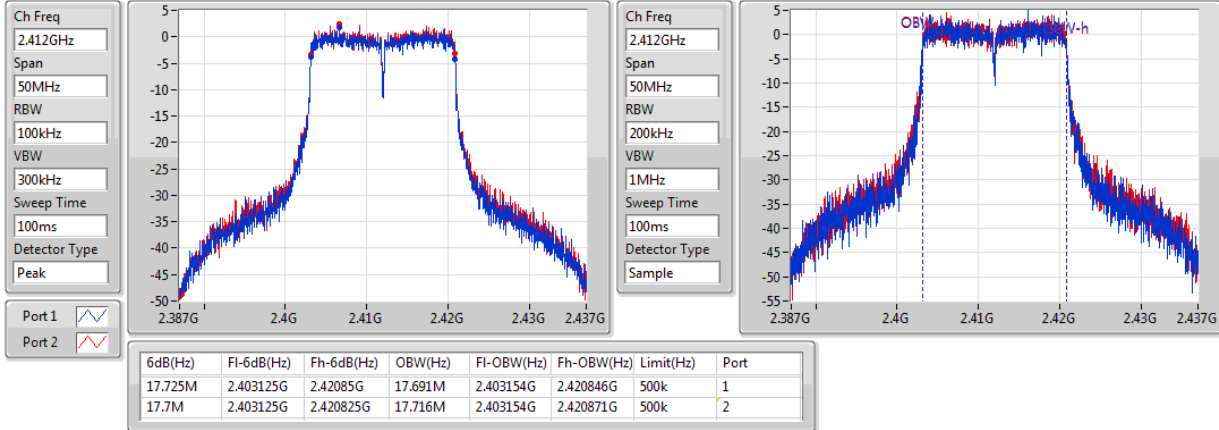
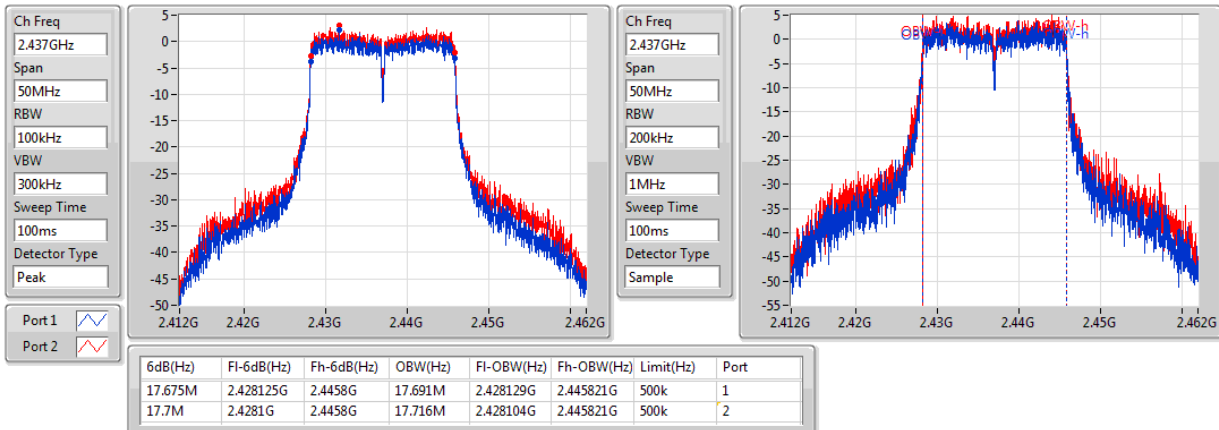
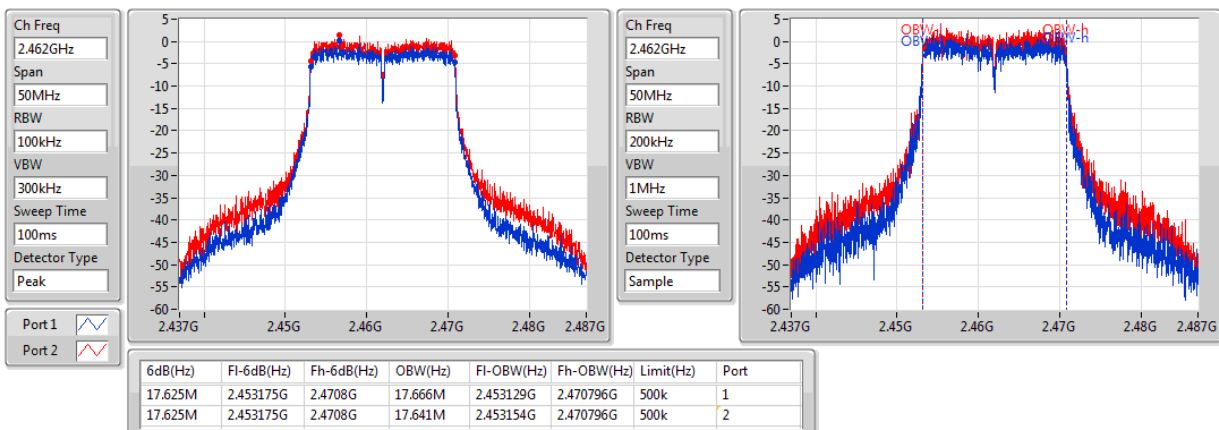
**Result**

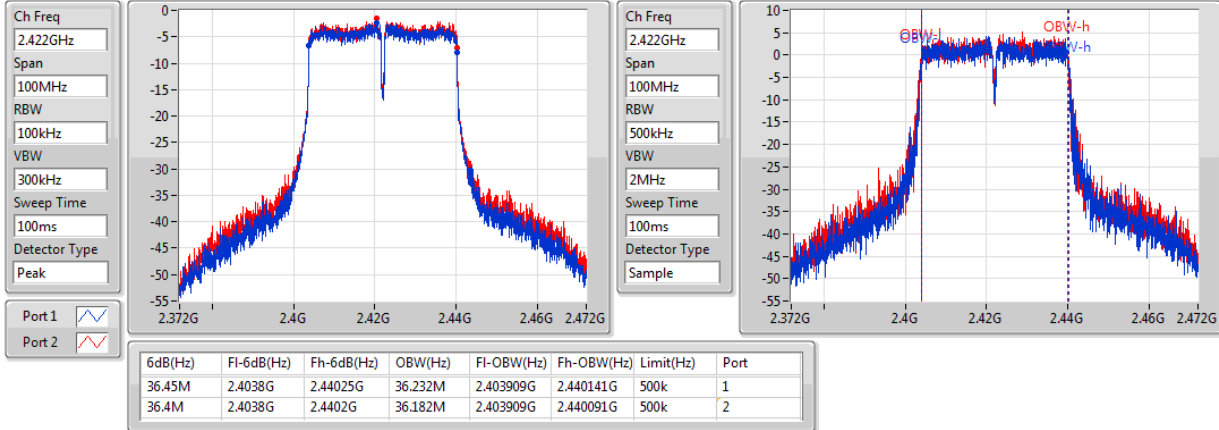
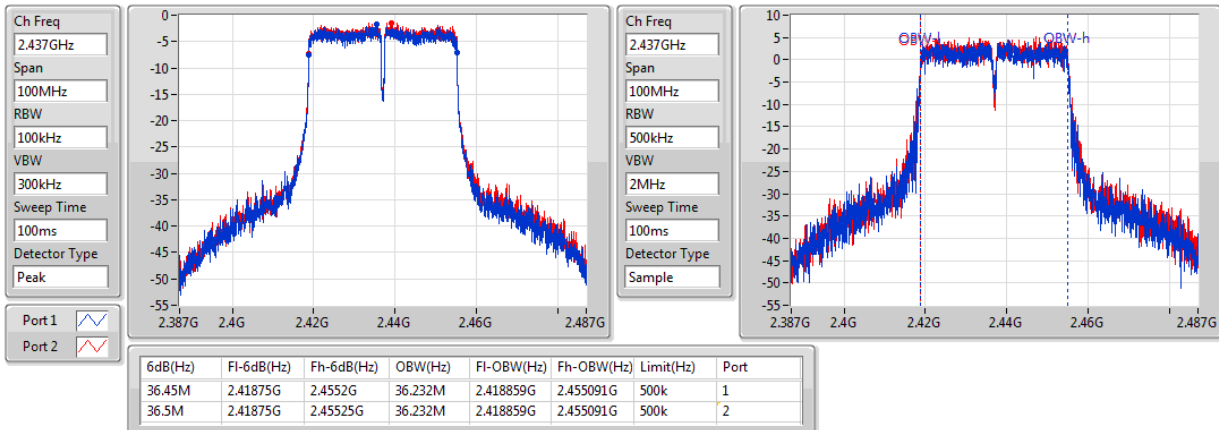
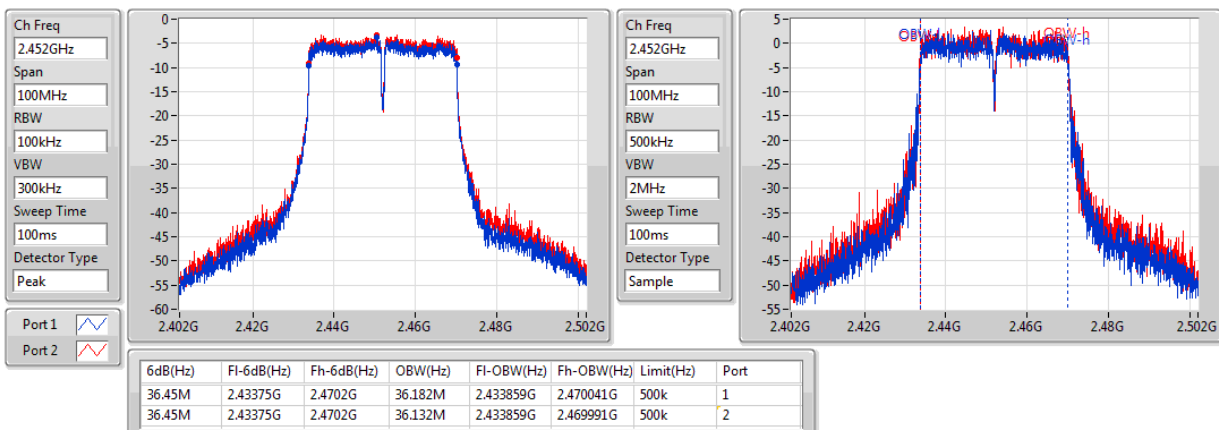
| Mode                         | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_1TX     | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom             | Pass   | 500k          |                     |                    | 10.075M             | 15.467M            |
| 2437MHz_TnomVnom             | Pass   | 500k          |                     |                    | 10.075M             | 16.417M            |
| 2462MHz_TnomVnom             | Pass   | 500k          |                     |                    | 10.075M             | 15.017M            |
| 802.11g_Nss1,(6Mbps)_1TX     | -      | -             |                     |                    | -                   | -                  |
| 2412MHz_TnomVnom             | Pass   | 500k          |                     |                    | 16.525M             | 16.542M            |
| 2437MHz_TnomVnom             | Pass   | 500k          |                     |                    | 16.45M              | 18.991M            |
| 2462MHz_TnomVnom             | Pass   | 500k          |                     |                    | 16.55M              | 16.542M            |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz_TnomVnom             | Pass   | 500k          | 17.725M             | 17.691M            | 17.7M               | 17.716M            |
| 2437MHz_TnomVnom             | Pass   | 500k          | 17.675M             | 17.691M            | 17.7M               | 17.716M            |
| 2462MHz_TnomVnom             | Pass   | 500k          | 17.625M             | 17.666M            | 17.625M             | 17.641M            |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz_TnomVnom             | Pass   | 500k          | 36.45M              | 36.232M            | 36.4M               | 36.182M            |
| 2437MHz_TnomVnom             | Pass   | 500k          | 36.45M              | 36.232M            | 36.5M               | 36.232M            |
| 2452MHz_TnomVnom             | Pass   | 500k          | 36.45M              | 36.182M            | 36.45M              | 36.132M            |

**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2412MHz**

**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2437MHz**

**802.11b\_Nss1,(1Mbps)\_1TX**
**EBW**
**2462MHz**


**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2412MHz**

**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2437MHz**

**802.11g\_Nss1,(6Mbps)\_1TX**
**EBW**
**2462MHz**


**802.11n HT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2412MHz**

**802.11n HT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2437MHz**

**802.11n HT20\_Nss1,(MCS0)\_2TX**
**EBW**
**2462MHz**


**802.11n HT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**

**802.11n HT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2437MHz**

**802.11n HT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2452MHz**


**Summary**

| Mode                         | Total Power<br>(dBm) | Total Power<br>(W) |
|------------------------------|----------------------|--------------------|
| 802.11b_(1Mbps)_1TX          | -                    | -                  |
| 2.4-2.4835GHz                | 20.16                | 0.10375            |
| 802.11g_(6Mbps)_1TX          | -                    | -                  |
| 2.4-2.4835GHz                | 20.34                | 0.10814            |
| 802.11n HT20_Nss1,(MCS0)_2TX | -                    | -                  |
| 2.4-2.4835GHz                | 20.30                | 0.10715            |
| 802.11n HT40_Nss1,(MCS0)_2TX | -                    | -                  |
| 2.4-2.4835GHz                | 20.17                | 0.10399            |

**Result**

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_(1Mbps)_1TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom             | Pass   | 2.60        | 19.91           |                 | 19.91                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        | 20.16           |                 | 20.16                | 30.00                |
| 2462MHz_TnomVnom             | Pass   | 2.60        | 20.10           |                 | 20.10                | 30.00                |
| 802.11g_(6Mbps)_1TX          | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom             | Pass   | 2.60        | 17.59           |                 | 17.59                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        | 20.34           |                 | 20.34                | 30.00                |
| 2462MHz_TnomVnom             | Pass   | 2.60        | 16.61           |                 | 16.61                | 30.00                |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom             | Pass   | 2.60        | 16.68           | 17.33           | 20.03                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        | 16.88           | 17.66           | 20.30                | 30.00                |
| 2462MHz_TnomVnom             | Pass   | 2.60        | 16.84           | 17.41           | 20.14                | 30.00                |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom             | Pass   | 2.60        | 16.17           | 16.24           | 19.22                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        | 17.08           | 17.25           | 20.17                | 30.00                |
| 2452MHz_TnomVnom             | Pass   | 2.60        | 15.21           | 15.41           | 18.32                | 30.00                |

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

**Summary**

| Mode                         | Total Power<br>(dBm) | Total Power<br>(W) |
|------------------------------|----------------------|--------------------|
| 802.11b_Nss1,(1Mbps)_1TX     | -                    | -                  |
| 2.4-2.4835GHz                | 23.12                | 0.20512            |
| 802.11g_Nss1,(6Mbps)_1TX     | -                    | -                  |
| 2.4-2.4835GHz                | 20.96                | 0.12474            |
| 802.11n HT20_Nss1,(MCS0)_2TX | -                    | -                  |
| 2.4-2.4835GHz                | 19.90                | 0.09772            |
| 802.11n HT40_Nss1,(MCS0)_2TX | -                    | -                  |
| 2.4-2.4835GHz                | 19.59                | 0.09099            |

**Result**

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|
| 802.11b_Nss1,(1Mbps)_1TX     | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom             | Pass   | 2.60        |                 | 21.98           | 21.98                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        |                 | 23.12           | 23.12                | 30.00                |
| 2462MHz_TnomVnom             | Pass   | 2.60        |                 | 19.83           | 19.83                | 30.00                |
| 802.11g_Nss1,(6Mbps)_1TX     | -      | -           |                 | -               | -                    | -                    |
| 2412MHz_TnomVnom             | Pass   | 2.60        |                 | 17.55           | 17.55                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        |                 | 20.96           | 20.96                | 30.00                |
| 2462MHz_TnomVnom             | Pass   | 2.60        |                 | 16.25           | 16.25                | 30.00                |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz_TnomVnom             | Pass   | 2.60        | 16.24           | 16.57           | 19.42                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        | 16.18           | 17.50           | 19.90                | 30.00                |
| 2462MHz_TnomVnom             | Pass   | 2.60        | 14.42           | 16.10           | 18.35                | 30.00                |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz_TnomVnom             | Pass   | 2.60        | 15.29           | 16.35           | 18.86                | 30.00                |
| 2437MHz_TnomVnom             | Pass   | 2.60        | 16.33           | 16.81           | 19.59                | 30.00                |
| 2452MHz_TnomVnom             | Pass   | 2.60        | 13.68           | 15.03           | 17.42                | 30.00                |

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

**Summary**

| Mode                         | PD<br>(dBm/RBW) |
|------------------------------|-----------------|
| 802.11b_(1Mbps)_1TX          | -               |
| 2.4-2.4835GHz                | -10.18          |
| 802.11g_(6Mbps)_1TX          | -               |
| 2.4-2.4835GHz                | -8.32           |
| 802.11n HT20_Nss1,(MCS0)_2TX | -               |
| 2.4-2.4835GHz                | -7.50           |
| 802.11n HT40_Nss1,(MCS0)_2TX | -               |
| 2.4-2.4835GHz                | -11.23          |

RBW=3kHz.

**Result**

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_(1Mbps)_1TX          | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom             | Pass   | 2.60        | -10.38              |                     | -10.38          | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 2.60        | -10.18              |                     | -10.18          | 8.00                  |
| 2462MHz_TnomVnom             | Pass   | 2.60        | -10.23              |                     | -10.23          | 8.00                  |
| 802.11g_(6Mbps)_1TX          | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom             | Pass   | 2.60        | -11.04              |                     | -11.04          | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 2.60        | -8.32               |                     | -8.32           | 8.00                  |
| 2462MHz_TnomVnom             | Pass   | 2.60        | -12.25              |                     | -12.25          | 8.00                  |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom             | Pass   | 4.63        | -11.62              | -10.60              | -8.47           | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 4.63        | -11.08              | -10.00              | -7.50           | 8.00                  |
| 2462MHz_TnomVnom             | Pass   | 4.63        | -11.67              | -10.68              | -8.14           | 8.00                  |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom             | Pass   | 4.63        | -12.18              | -13.37              | -11.55          | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 4.63        | -12.45              | -12.34              | -11.23          | 8.00                  |
| 2452MHz_TnomVnom             | Pass   | 4.63        | -15.64              | -13.52              | -11.61          | 8.00                  |

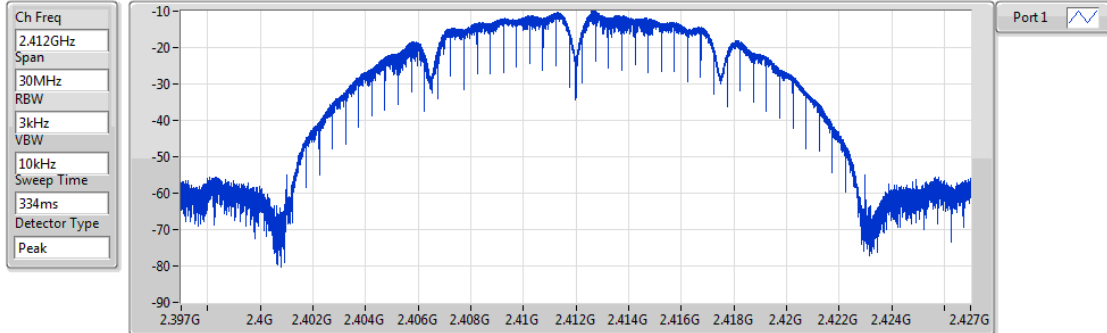
**DG** = Directional Gain; RBW=3kHz;

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

### 802.11b\_(1Mbps)\_1TX

PSD

2412MHz

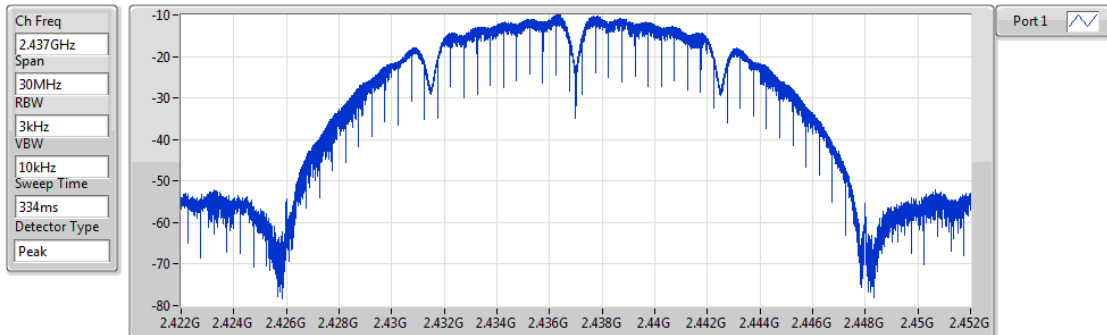


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -10.38    | -10.38    | -10.38    |

### 802.11b\_(1Mbps)\_1TX

PSD

2437MHz

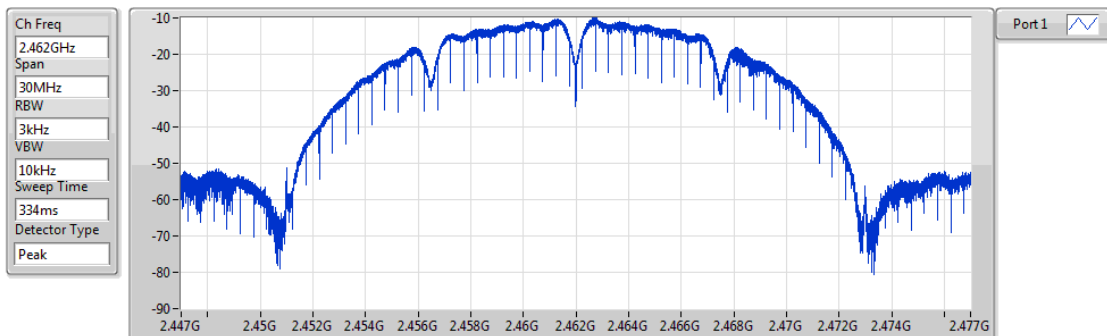


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -10.18    | -10.18    | -10.18    |

### 802.11b\_(1Mbps)\_1TX

PSD

2462MHz

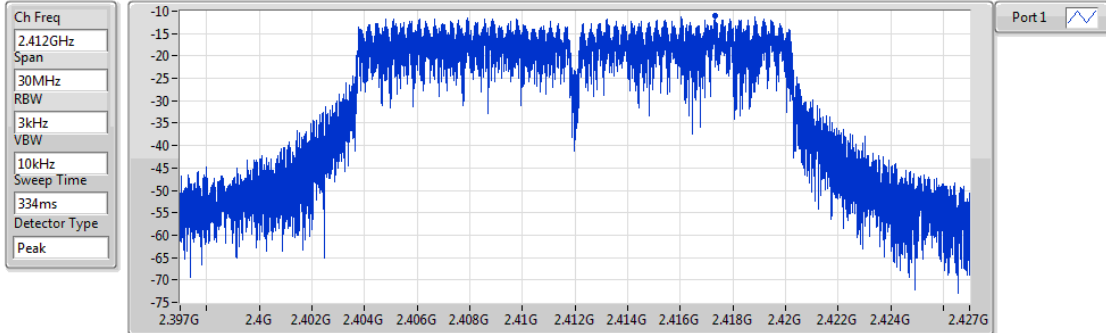


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -10.23    | -10.23    | -10.23    |

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

PSD

2412MHz

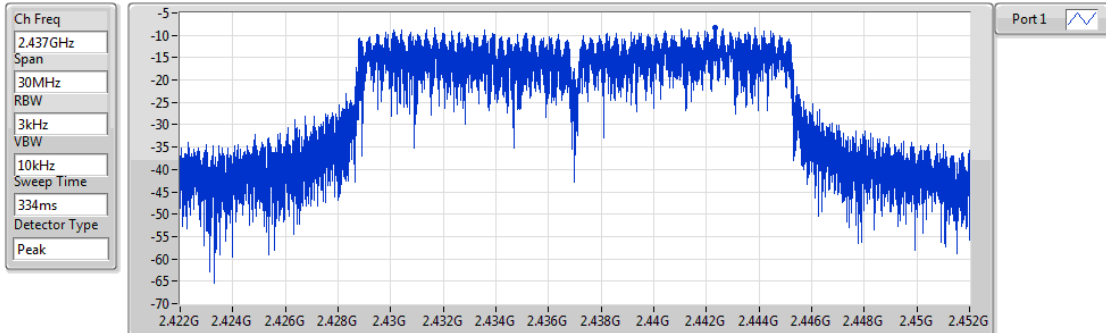


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -11.04    | -11.04    | -11.04    |

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

PSD

2437MHz

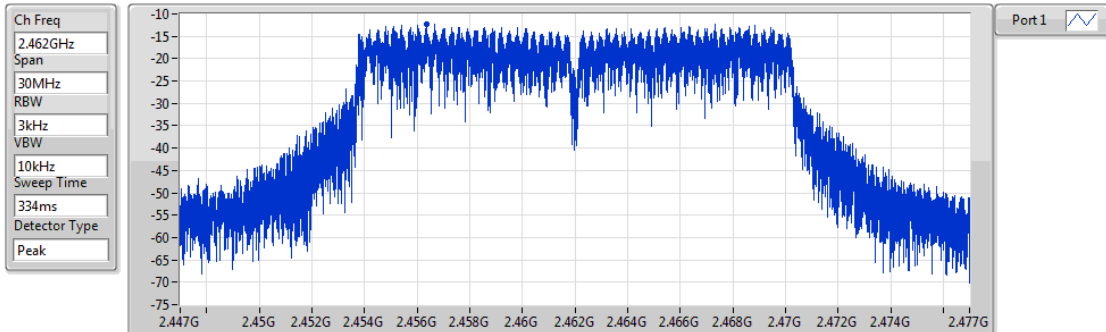


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.32     | -8.32     | -8.32     |

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

PSD

2462MHz

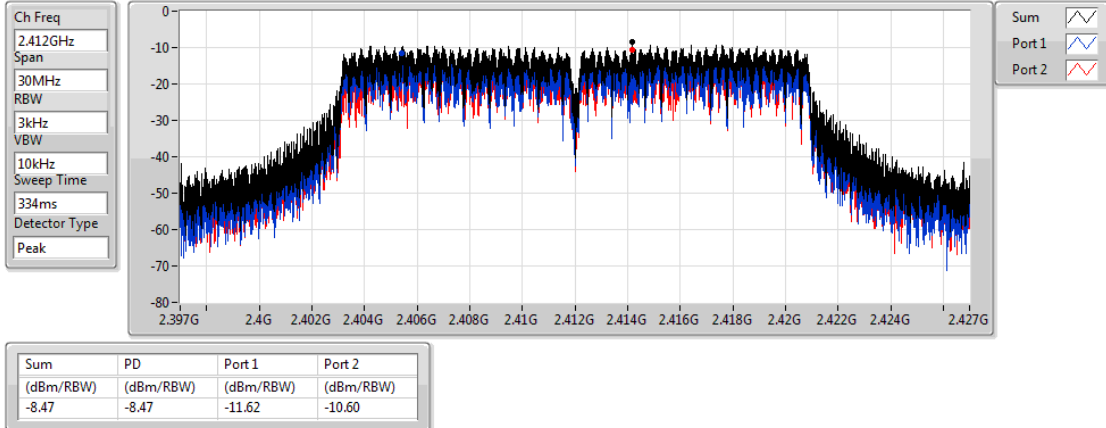


| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -12.25    | -12.25    | -12.25    |

### 802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

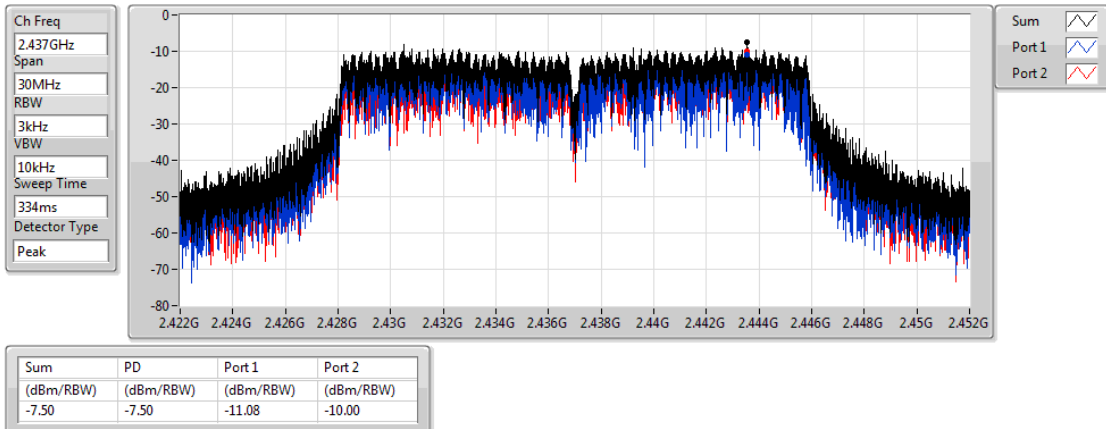
2412MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

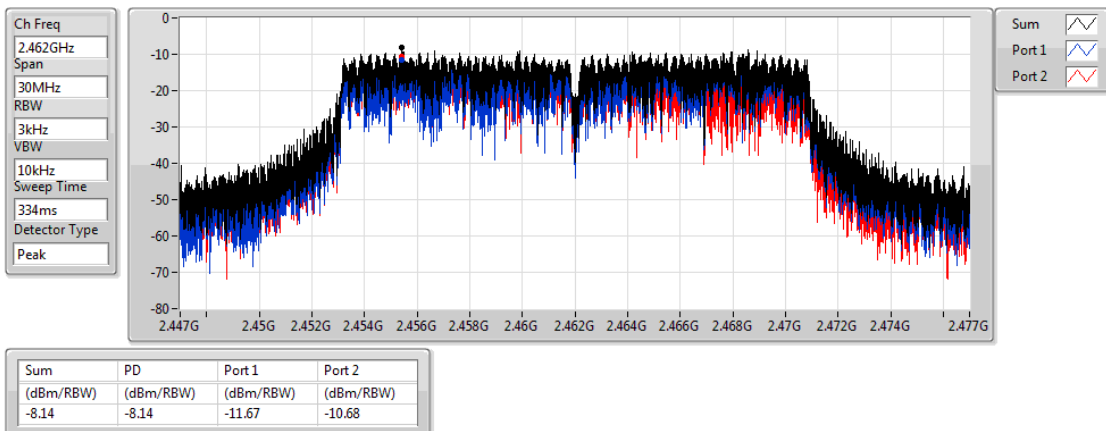
2437MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

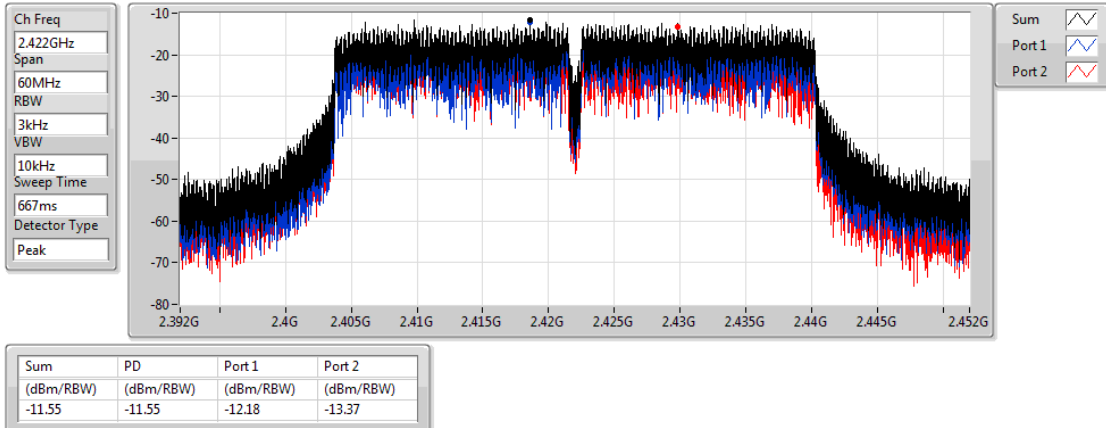
2462MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

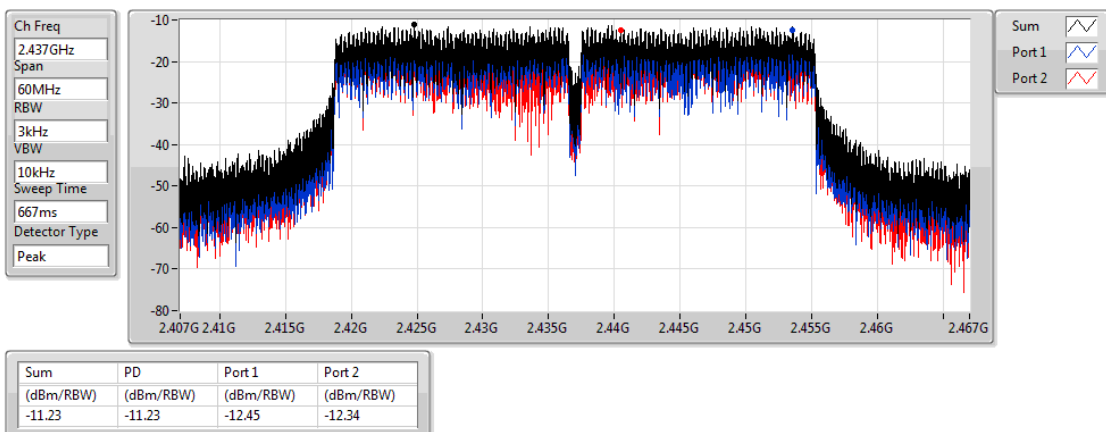
2422MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

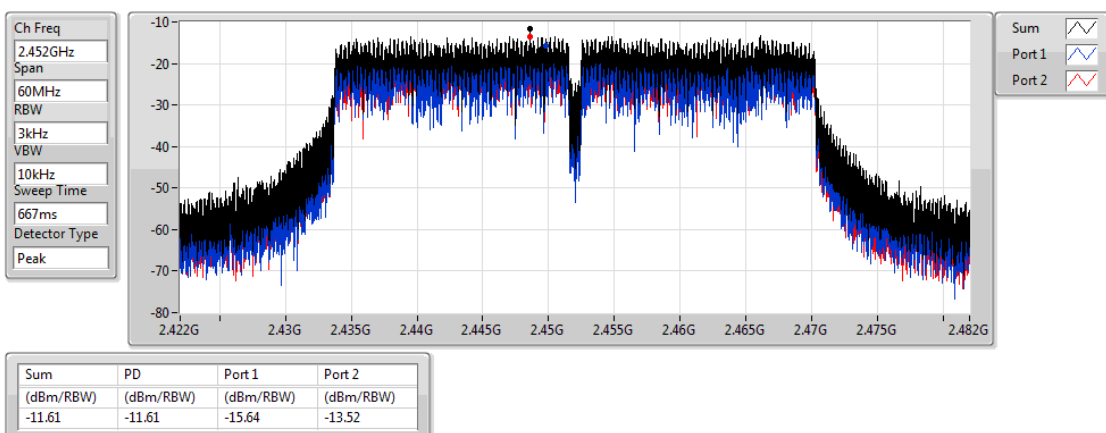
2437MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

2452MHz



**Summary**

| Mode                         | PD<br>(dBm/RBW) |
|------------------------------|-----------------|
| 802.11b_Nss1,(1Mbps)_1TX     | -               |
| 2.4-2.4835GHz                | -7.92           |
| 802.11g_Nss1,(6Mbps)_1TX     | -               |
| 2.4-2.4835GHz                | -8.25           |
| 802.11n HT20_Nss1,(MCS0)_2TX | -               |
| 2.4-2.4835GHz                | -7.85           |
| 802.11n HT40_Nss1,(MCS0)_2TX | -               |
| 2.4-2.4835GHz                | -10.56          |

RBW=3kHz.

**Result**

| Mode                         | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11b_Nss1,(1Mbps)_1TX     | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom             | Pass   | 2.60        |                     | -8.96               | -8.96           | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 2.60        |                     | -7.92               | -7.92           | 8.00                  |
| 2462MHz_TnomVnom             | Pass   | 2.60        |                     | -11.12              | -11.12          | 8.00                  |
| 802.11g_Nss1,(6Mbps)_1TX     | -      | -           |                     | -                   | -               | -                     |
| 2412MHz_TnomVnom             | Pass   | 2.60        |                     | -11.63              | -11.63          | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 2.60        |                     | -8.25               | -8.25           | 8.00                  |
| 2462MHz_TnomVnom             | Pass   | 2.60        |                     | -12.71              | -12.71          | 8.00                  |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz_TnomVnom             | Pass   | 4.63        | -11.70              | -12.43              | -9.88           | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 4.63        | -11.28              | -10.29              | -7.85           | 8.00                  |
| 2462MHz_TnomVnom             | Pass   | 4.63        | -14.36              | -11.91              | -10.10          | 8.00                  |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz_TnomVnom             | Pass   | 4.63        | -15.53              | -12.57              | -12.28          | 8.00                  |
| 2437MHz_TnomVnom             | Pass   | 4.63        | -14.25              | -12.98              | -10.56          | 8.00                  |
| 2452MHz_TnomVnom             | Pass   | 4.63        | -16.46              | -16.55              | -13.74          | 8.00                  |

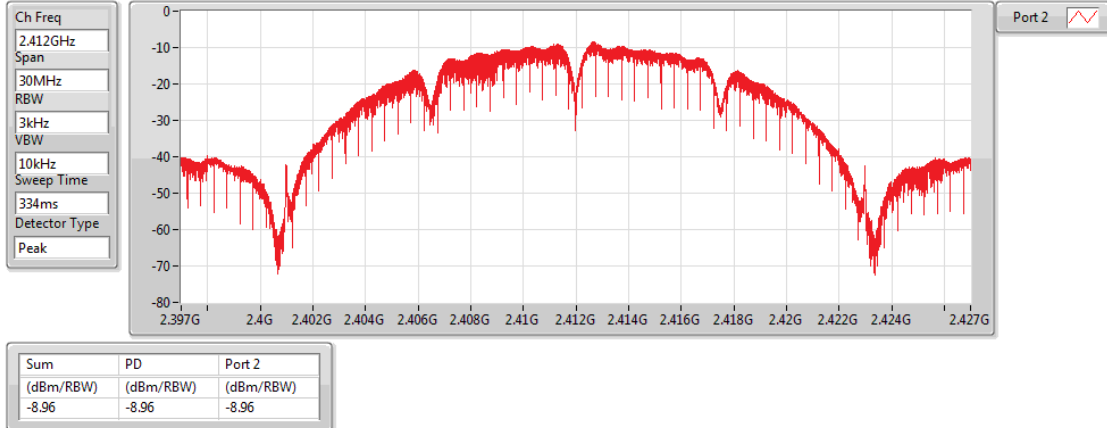
**DG** = Directional Gain; RBW=3kHz;

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

### 802.11b\_Nss1,(1Mbps)\_1TX

PSD

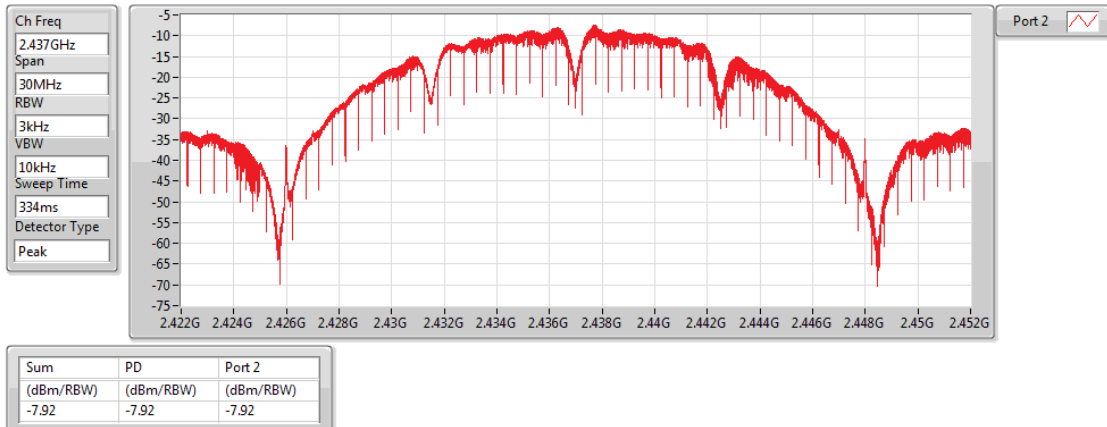
2412MHz



### 802.11b\_Nss1,(1Mbps)\_1TX

PSD

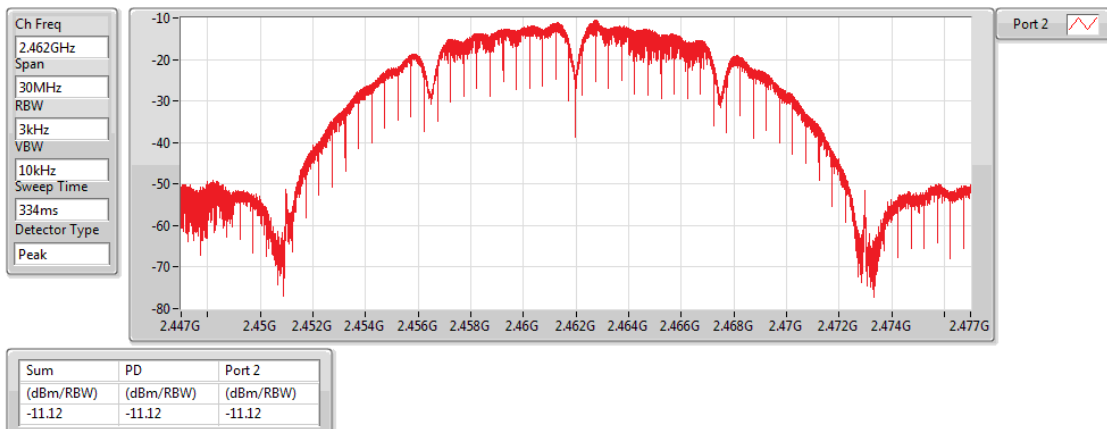
2437MHz



### 802.11b\_Nss1,(1Mbps)\_1TX

PSD

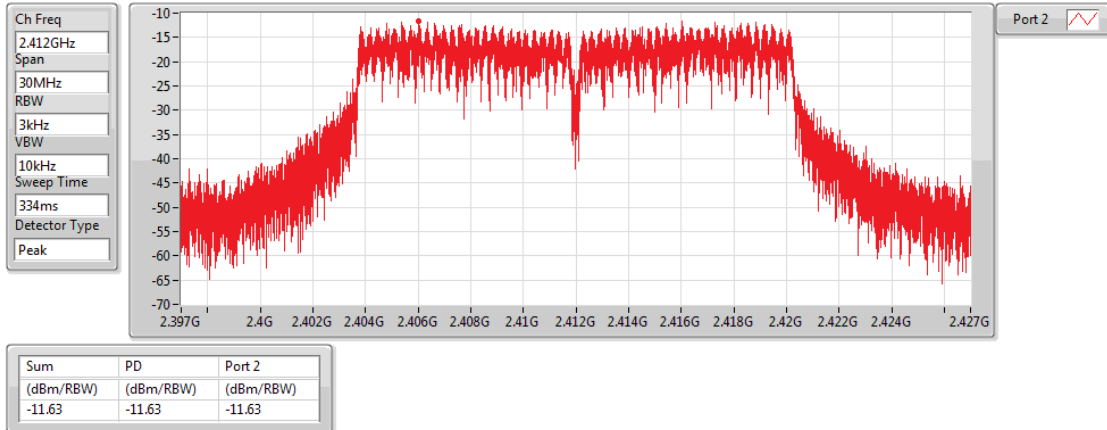
2462MHz



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

PSD

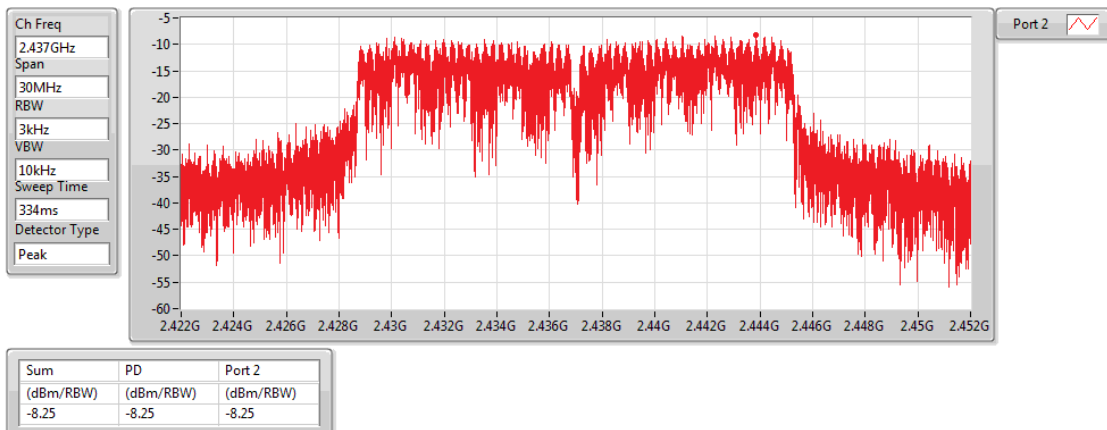
2412MHz



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

PSD

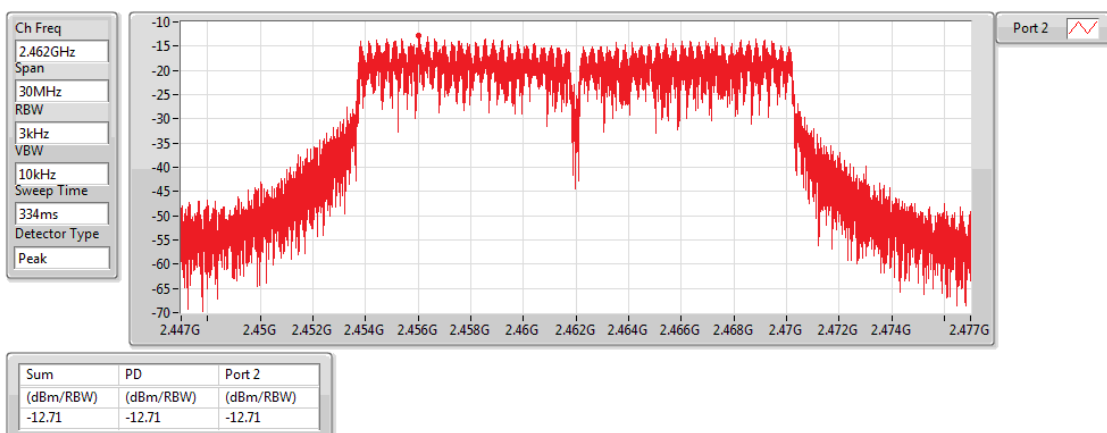
2437MHz



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

PSD

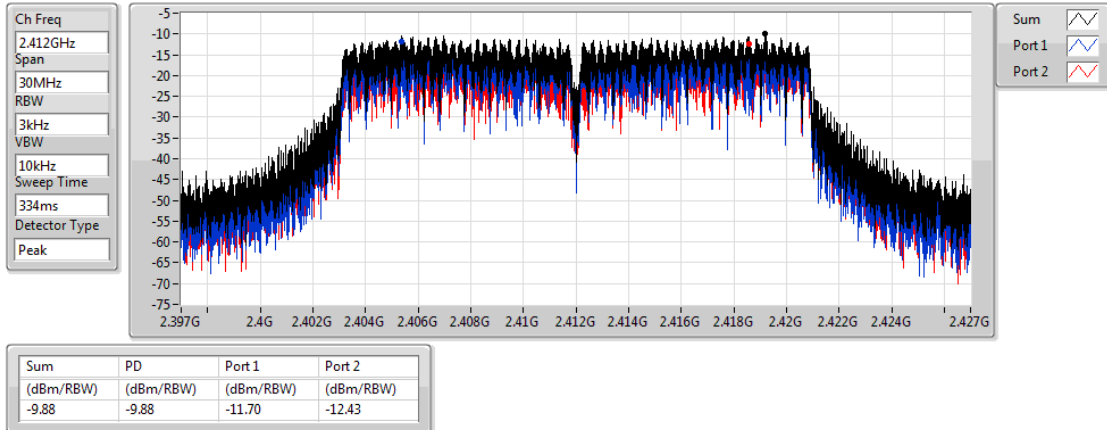
2462MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

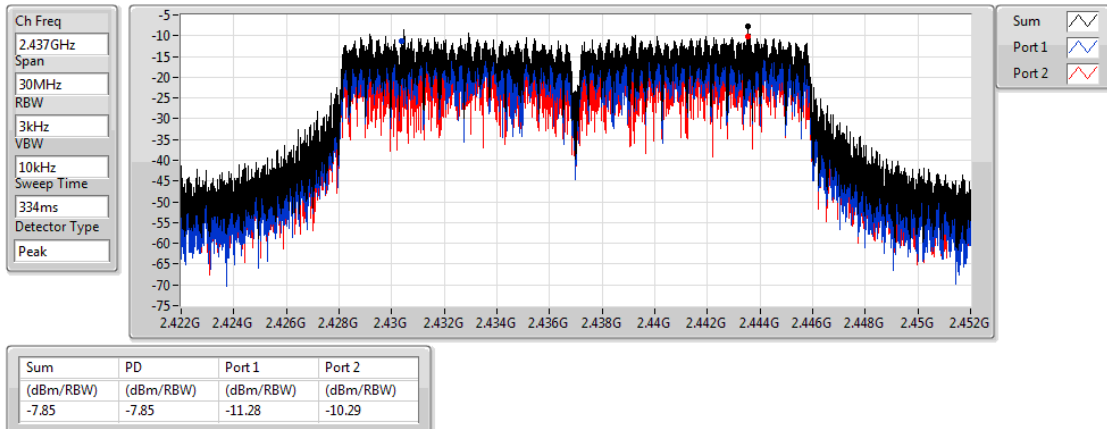
2412MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

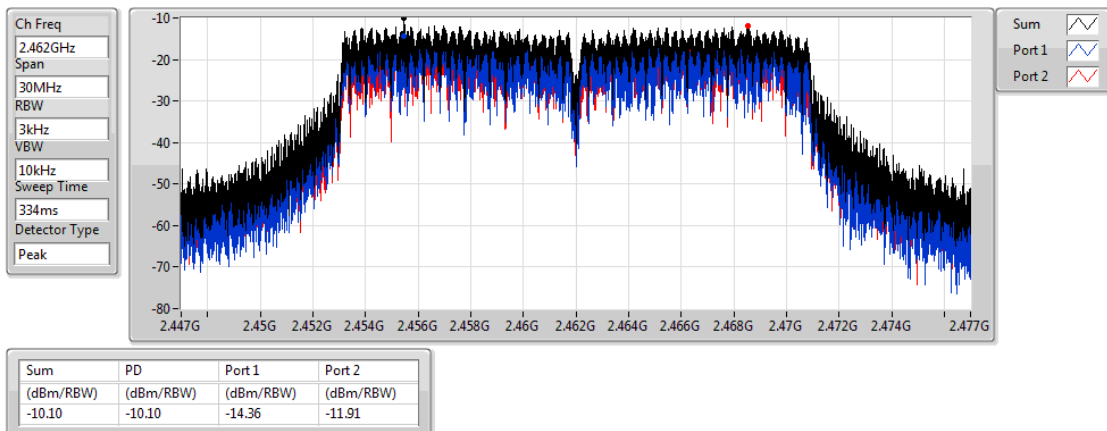
2437MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

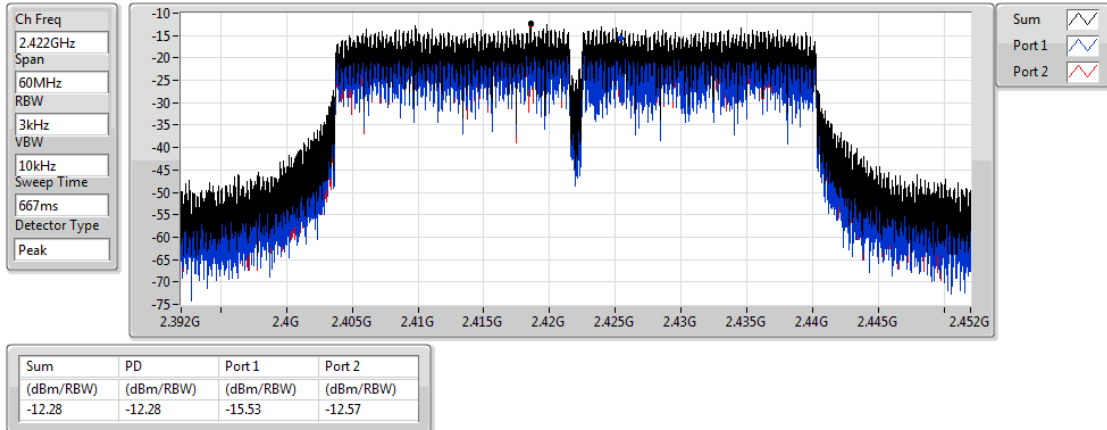
2462MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

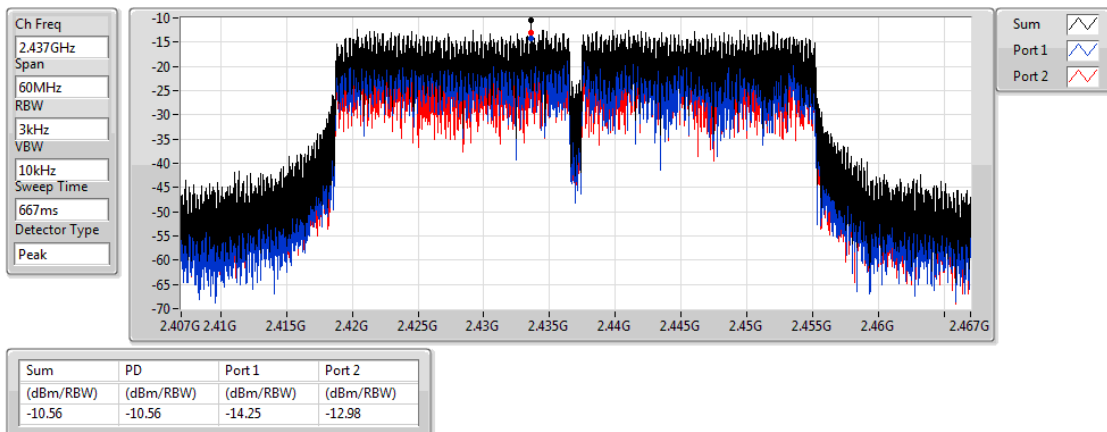
2422MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

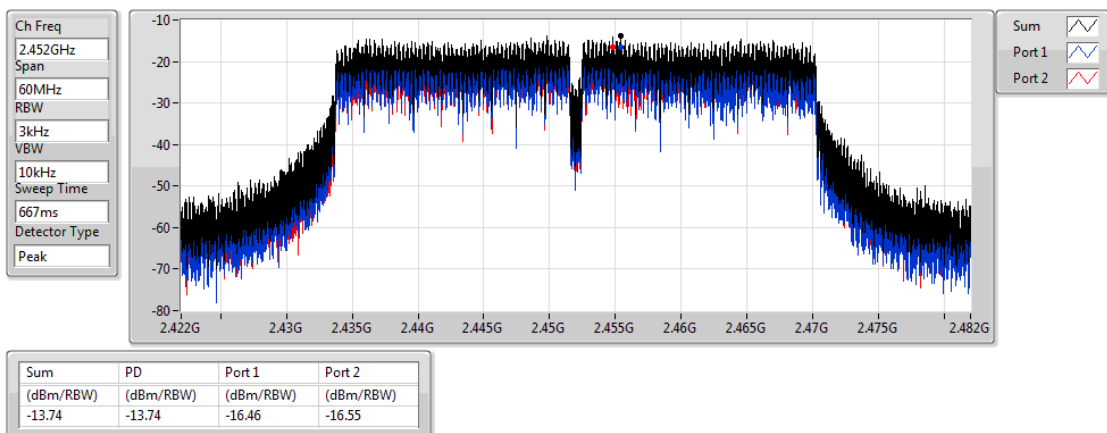
2437MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

2452MHz



### Summary

| Mode                         | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2.4-2.4835GHz                | Pass   | 2.431563G   | 3.53         | -26.47         | 147.665M     | -39.68         | 2.39952G     | -27.79         | 2.48718G     | -53.05         | 15.079435G   | -53.50         | 2    |

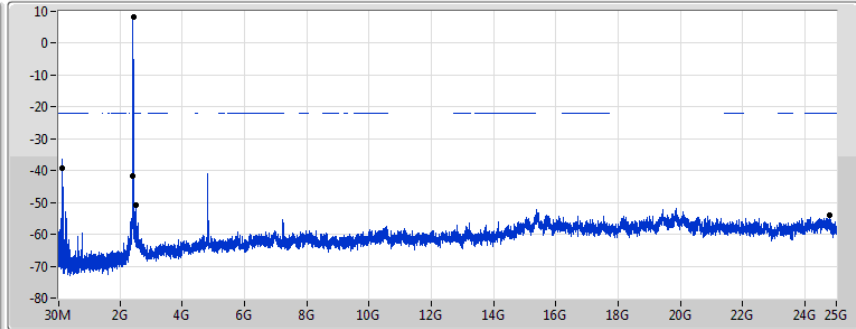
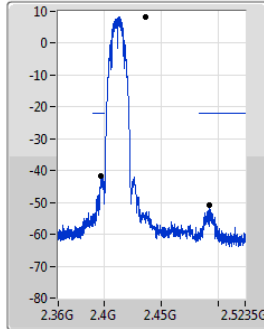
### Result

| Mode                         | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_(1Mbps)_1TX          | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz_TnomVnom             | Pass   | 2.436072G   | 8.14         | -21.86         | 147.665M     | -39.34         | 2.39704G     | -41.84         | 2.49198G     | -50.87         | 24.772425G   | -53.91         | 1    |
| 2437MHz_TnomVnom             | Pass   | 2.436072G   | 8.14         | -21.86         | 147.665M     | -39.45         | 2.39416G     | -56.88         | 2.51702G     | -51.54         | 15.332295G   | -53.84         | 1    |
| 2462MHz_TnomVnom             | Pass   | 2.436072G   | 8.14         | -21.86         | 147.665M     | -39.49         | 2.39792G     | -58.24         | 2.48774G     | -52.36         | 15.343534G   | -52.32         | 1    |
| 802.11g_(6Mbps)_1TX          | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz_TnomVnom             | Pass   | 2.443921G   | 4.90         | -25.10         | 147.665M     | -39.17         | 2.3996G      | -29.29         | 2.49198G     | -51.14         | 15.346343G   | -53.19         | 1    |
| 2437MHz_TnomVnom             | Pass   | 2.443921G   | 4.90         | -25.10         | 147.665M     | -39.31         | 2.39992G     | -49.66         | 2.51702G     | -51.85         | 15.068197G   | -53.20         | 1    |
| 2462MHz_TnomVnom             | Pass   | 2.443921G   | 4.90         | -25.10         | 147.665M     | -39.28         | 2.39016G     | -58.04         | 2.48382G     | -46.99         | 15.124388G   | -53.42         | 1    |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz_TnomVnom             | Pass   | 2.431563G   | 3.53         | -26.47         | 147.665M     | -39.52         | 2.39992G     | -27.99         | 2.49198G     | -49.95         | 16.919698G   | -53.73         | 1    |
| 2412MHz_TnomVnom             | Pass   | 2.431563G   | 3.53         | -26.47         | 147.665M     | -39.68         | 2.39952G     | -27.79         | 2.48718G     | -53.05         | 15.079435G   | -53.50         | 2    |
| 2437MHz_TnomVnom             | Pass   | 2.431563G   | 3.53         | -26.47         | 147.665M     | -39.65         | 2.39864G     | -57.44         | 2.51702G     | -49.54         | 15.321057G   | -53.26         | 1    |
| 2437MHz_TnomVnom             | Pass   | 2.431563G   | 3.53         | -26.47         | 147.665M     | -39.66         | 2.39416G     | -56.50         | 2.51014G     | -52.59         | 15.160912G   | -53.53         | 2    |
| 2462MHz_TnomVnom             | Pass   | 2.431563G   | 3.53         | -26.47         | 147.665M     | -39.54         | 2.39032G     | -57.50         | 2.48382G     | -36.34         | 2.540357G    | -51.29         | 1    |
| 2462MHz_TnomVnom             | Pass   | 2.431563G   | 3.53         | -26.47         | 147.665M     | -39.78         | 2.39056G     | -57.02         | 2.48446G     | -36.48         | 2.548786G    | -53.38         | 2    |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz_TnomVnom             | Pass   | 2.420374G   | -0.30        | -30.30         | 146.79M      | -39.64         | 2.39808G     | -31.75         | 2.56014G     | -54.78         | 15.327064G   | -51.95         | 1    |
| 2422MHz_TnomVnom             | Pass   | 2.420374G   | -0.30        | -30.30         | 146.79M      | -39.84         | 2.39984G     | -32.91         | 2.48446G     | -55.06         | 15.346696G   | -53.11         | 2    |
| 2437MHz_TnomVnom             | Pass   | 2.420374G   | -0.30        | -30.30         | 146.79M      | -39.68         | 2.3984G      | -35.68         | 2.48414G     | -40.45         | 15.12794G    | -54.36         | 1    |
| 2437MHz_TnomVnom             | Pass   | 2.420374G   | -0.30        | -30.30         | 146.79M      | -39.85         | 2.39968G     | -37.05         | 2.48414G     | -42.04         | 15.335478G   | -52.89         | 2    |
| 2452MHz_TnomVnom             | Pass   | 2.420374G   | -0.30        | -30.30         | 146.79M      | -39.50         | 2.39584G     | -57.16         | 2.48478G     | -40.29         | 24.652234G   | -53.85         | 1    |
| 2452MHz_TnomVnom             | Pass   | 2.420374G   | -0.30        | -30.30         | 146.79M      | -39.66         | 2.39984G     | -57.68         | 2.48782G     | -42.01         | 15.343891G   | -52.73         | 2    |

## 802.11b\_(1Mbps)\_1TX

CSE NdB

2412MHz



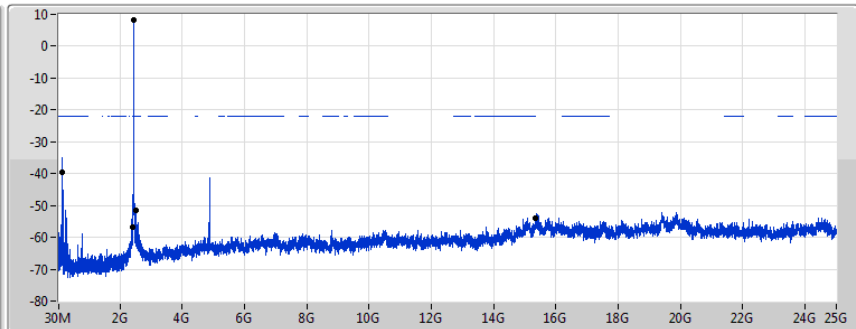
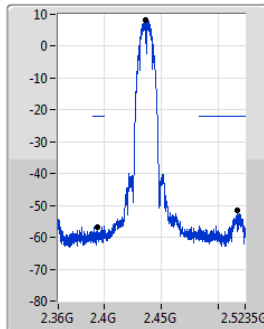
Port 1

| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.436072G | 8.14     | -21.86     | 147.665M | -39.34     | 2.39704G | -41.84     | 2.49198G | -50.87     | 24.772425G | -53.91     | 1    |

## 802.11b\_(1Mbps)\_1TX

CSE NdB

2437MHz



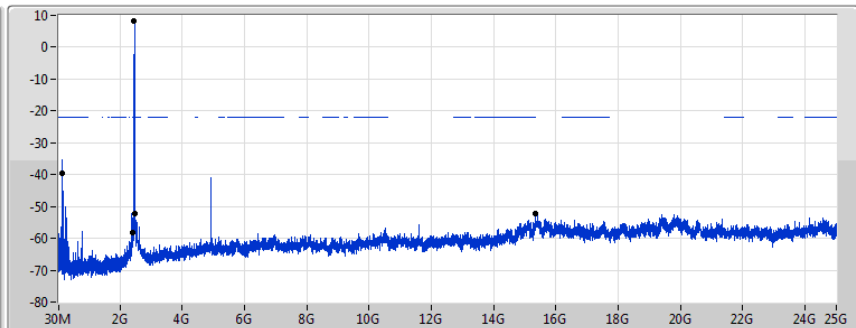
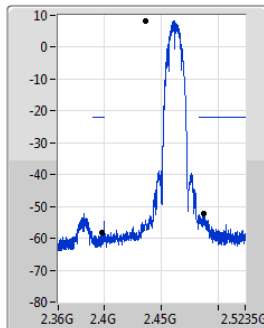
Port 1

| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.436072G | 8.14     | -21.86     | 147.665M | -39.45     | 2.39416G | -56.88     | 2.51702G | -51.54     | 15.332295G | -53.84     | 1    |

## 802.11b\_(1Mbps)\_1TX

CSE NdB

2462MHz



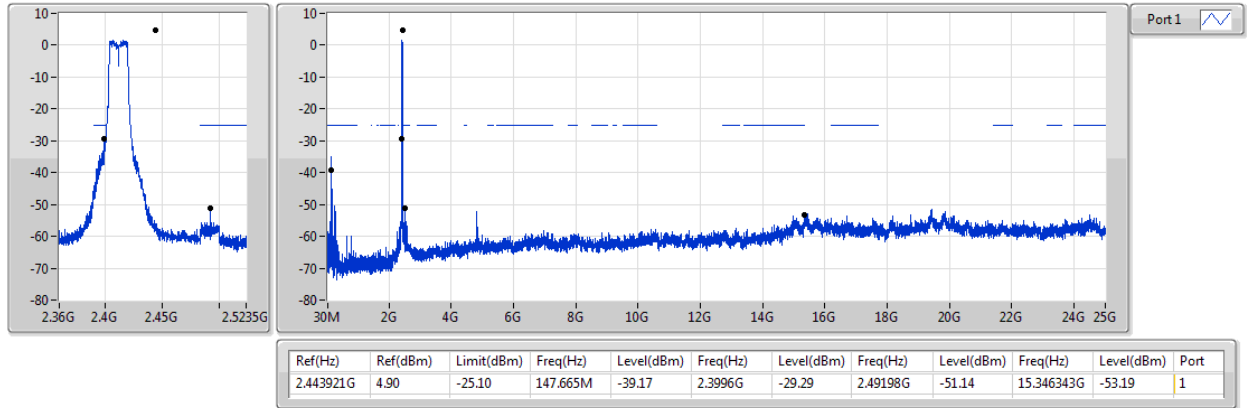
Port 1

| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.436072G | 8.14     | -21.86     | 147.665M | -39.49     | 2.39792G | -58.24     | 2.48774G | -52.36     | 15.343534G | -52.32     | 1    |

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

CSE NdB

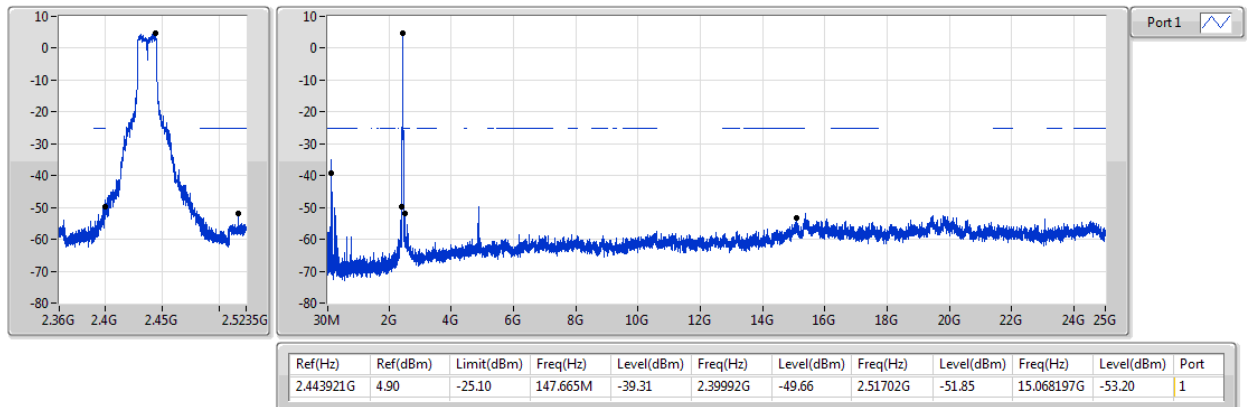
2412MHz



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

CSE NdB

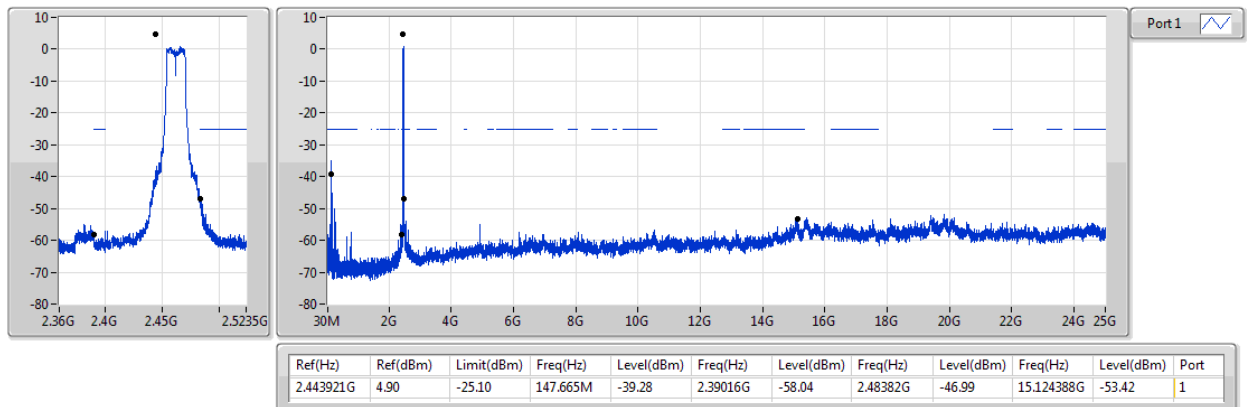
2437MHz



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

CSE NdB

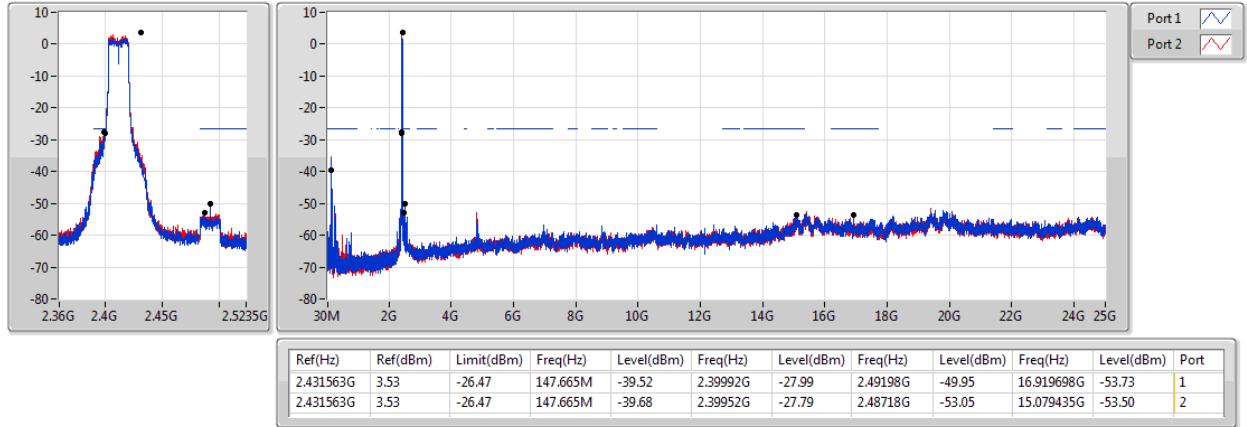
2462MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

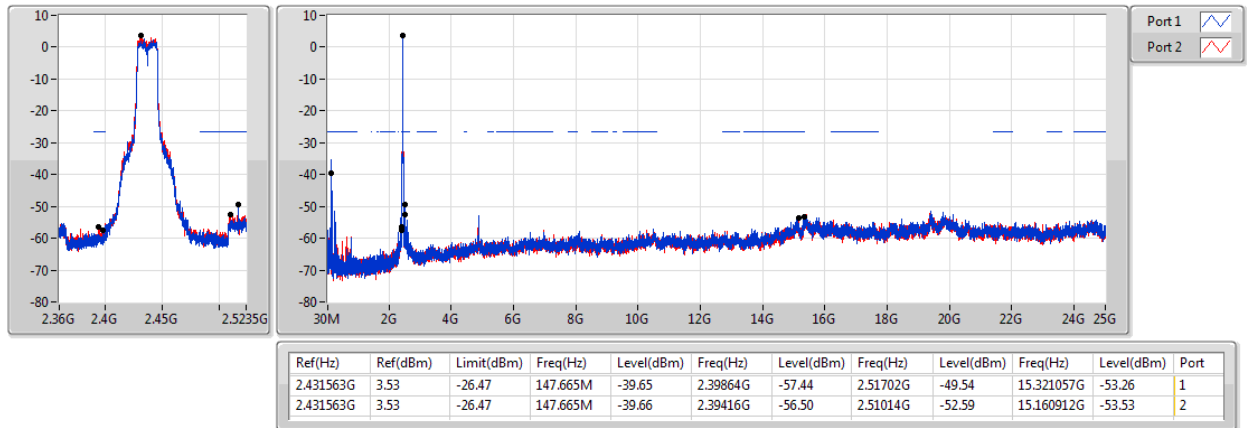
2412MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

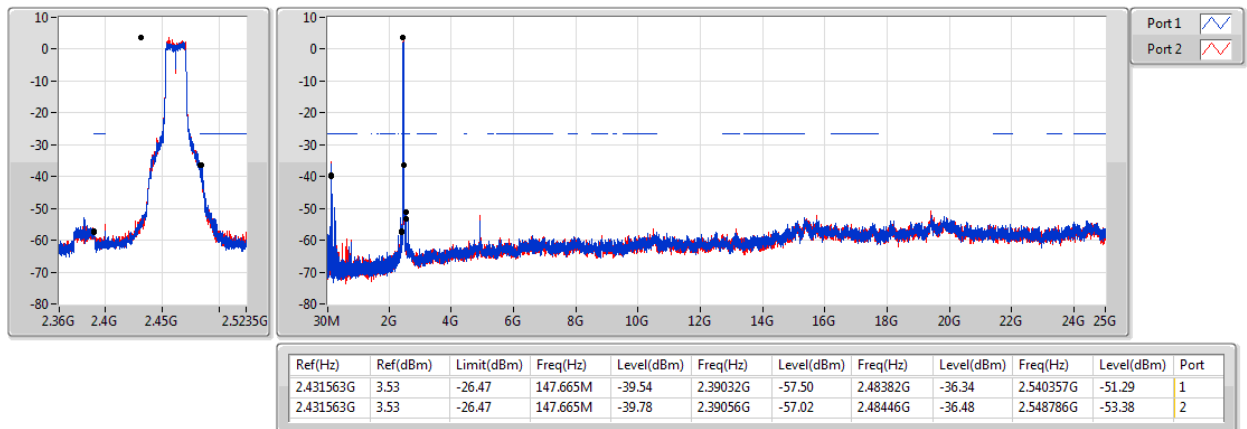
2437MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

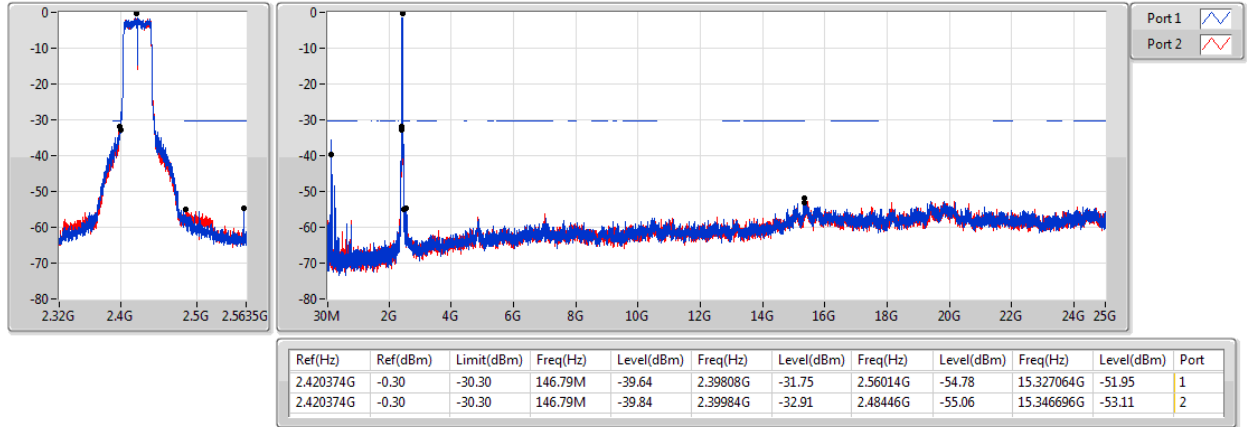
2462MHz



## 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

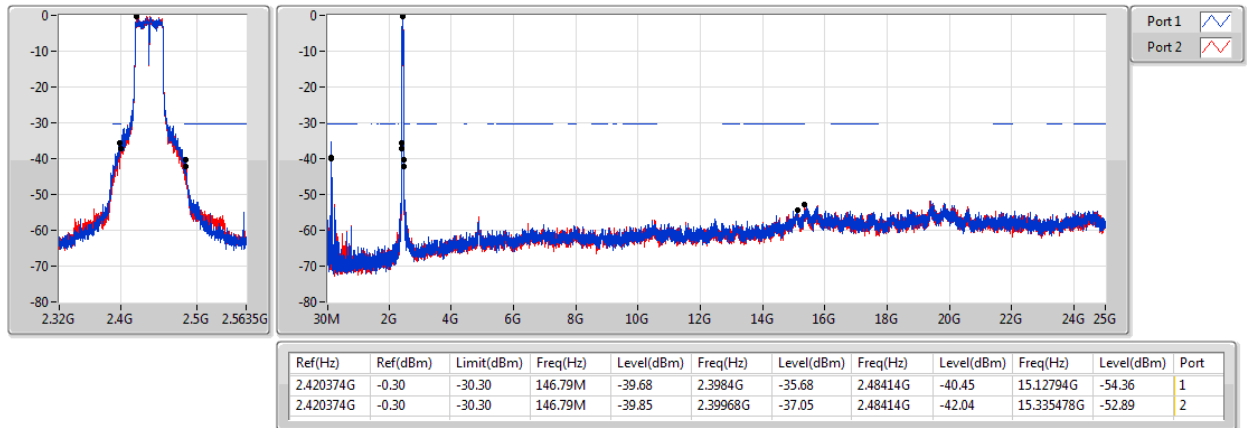
2422MHz



## 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

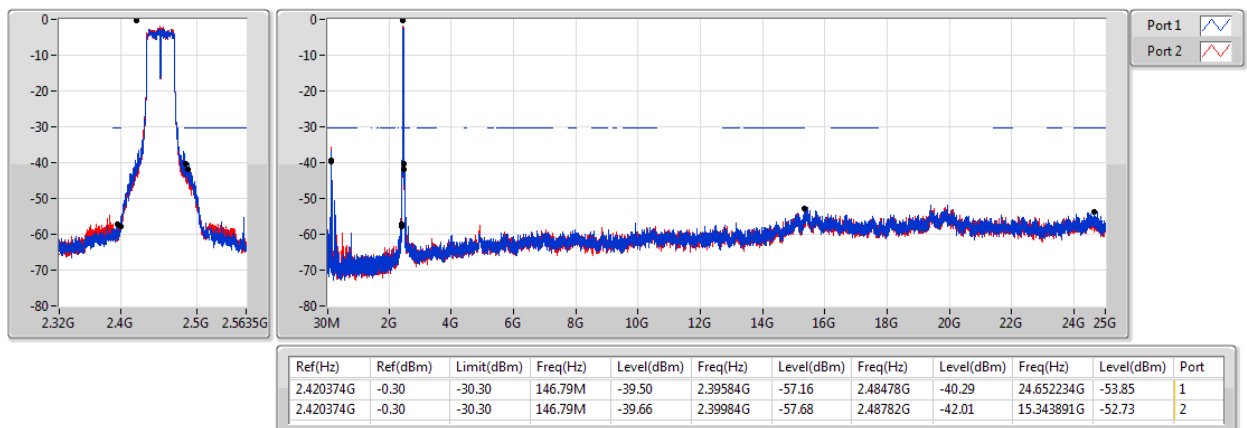
2437MHz



## 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

2452MHz



**Summary**

| Mode                         | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2.4-2.4835GHz                | Pass   | 2.440748G   | -0.72        | -30.72         | 146.79M      | -43.98         | 2.39968G     | -30.78         | 2.48526G     | -55.12         | 15.12794G    | -53.71         | 2    |

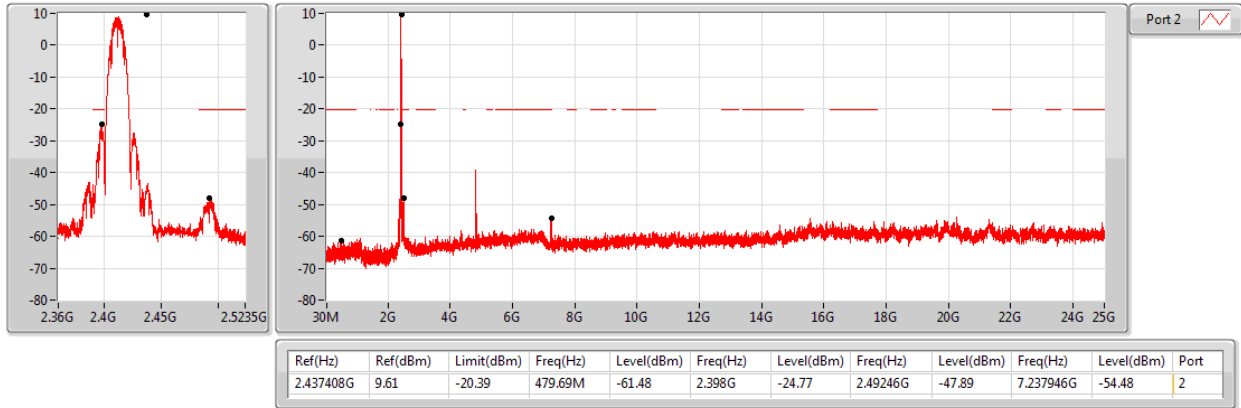
**Result**

| Mode                         | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_Nss1,(1Mbps)_1TX     | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                      | Pass   | 2.437408G   | 9.61         | -20.39         | 479.69M      | -61.48         | 2.398G       | -24.77         | 2.49246G     | -47.89         | 7.237946G    | -54.48         | 2    |
| 2437MHz                      | Pass   | 2.437408G   | 9.61         | -20.39         | 955.01M      | -60.87         | 2.39904G     | -43.81         | 2.51502G     | -49.62         | 16.301595G   | -55.45         | 2    |
| 2462MHz                      | Pass   | 2.437408G   | 9.61         | -20.39         | 479.69M      | -60.22         | 2.39752G     | -57.33         | 2.48742G     | -49.73         | 2.540357G    | -51.71         | 2    |
| 802.11g_Nss1,(6Mbps)_1TX     | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                      | Pass   | 2.44175G    | 3.93         | -26.07         | 479.69M      | -58.28         | 2.3996G      | -26.79         | 2.49294G     | -53.21         | 16.647171G   | -55.60         | 2    |
| 2437MHz                      | Pass   | 2.44175G    | 3.93         | -26.07         | 479.69M      | -60.14         | 2.39984G     | -43.79         | 2.48574G     | -46.46         | 16.562884G   | -53.95         | 2    |
| 2462MHz                      | Pass   | 2.44175G    | 3.93         | -26.07         | 872.295M     | -60.13         | 2.39584G     | -57.89         | 2.48358G     | -46.51         | 16.214498G   | -55.77         | 2    |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                      | Pass   | 2.434068G   | 2.23         | -27.77         | 147.665M     | -44.21         | 2.39992G     | -28.64         | 2.49198G     | -54.23         | 15.054149G   | -54.81         | 1    |
| 2412MHz                      | Pass   | 2.434068G   | 2.23         | -27.77         | 147.665M     | -45.13         | 2.3996G      | -28.19         | 2.49198G     | -56.71         | 15.093483G   | -52.15         | 2    |
| 2437MHz                      | Pass   | 2.434068G   | 2.23         | -27.77         | 147.665M     | -44.07         | 2.39992G     | -55.79         | 2.51702G     | -55.51         | 15.10753G    | -54.01         | 1    |
| 2437MHz                      | Pass   | 2.434068G   | 2.23         | -27.77         | 147.665M     | -43.85         | 2.39984G     | -55.44         | 2.48982G     | -56.40         | 24.440897G   | -52.91         | 2    |
| 2462MHz                      | Pass   | 2.434068G   | 2.23         | -27.77         | 147.665M     | -44.21         | 2.39024G     | -58.30         | 2.48382G     | -42.11         | 15.065387G   | -53.64         | 1    |
| 2462MHz                      | Pass   | 2.434068G   | 2.23         | -27.77         | 147.665M     | -45.13         | 2.39536G     | -59.08         | 2.48382G     | -39.70         | 24.460564G   | -54.05         | 2    |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                      | Pass   | 2.440748G   | -0.72        | -30.72         | 146.79M      | -43.89         | 2.39984G     | -31.35         | 2.48446G     | -55.07         | 15.083067G   | -53.77         | 1    |
| 2422MHz                      | Pass   | 2.440748G   | -0.72        | -30.72         | 146.79M      | -43.98         | 2.39968G     | -30.78         | 2.48526G     | -55.12         | 15.12794G    | -53.71         | 2    |
| 2437MHz                      | Pass   | 2.440748G   | -0.72        | -30.72         | 146.79M      | -43.89         | 2.39984G     | -36.52         | 2.48382G     | -42.72         | 24.506397G   | -54.83         | 1    |
| 2437MHz                      | Pass   | 2.440748G   | -0.72        | -30.72         | 146.79M      | -44.17         | 2.39712G     | -35.40         | 2.48382G     | -38.56         | 15.139158G   | -53.88         | 2    |
| 2452MHz                      | Pass   | 2.440748G   | -0.72        | -30.72         | 146.79M      | -43.90         | 2.39808G     | -57.27         | 2.4843G      | -42.59         | 15.071849G   | -53.65         | 1    |
| 2452MHz                      | Pass   | 2.440748G   | -0.72        | -30.72         | 146.79M      | -44.74         | 2.39648G     | -57.53         | 2.48446G     | -40.70         | 15.088676G   | -53.53         | 2    |

### 802.11b\_Nss1,(1Mbps)\_1TX

CSE NdB

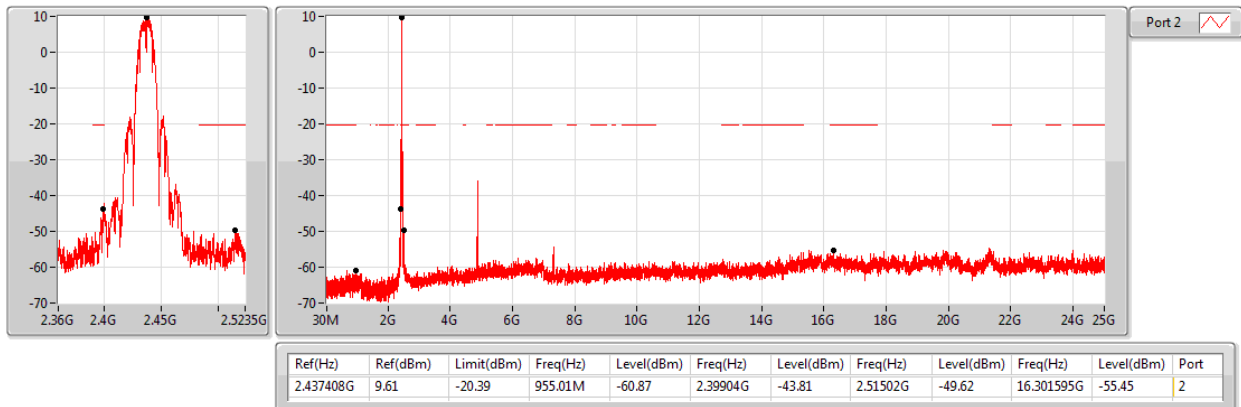
2412MHz



### 802.11b\_Nss1,(1Mbps)\_1TX

CSE NdB

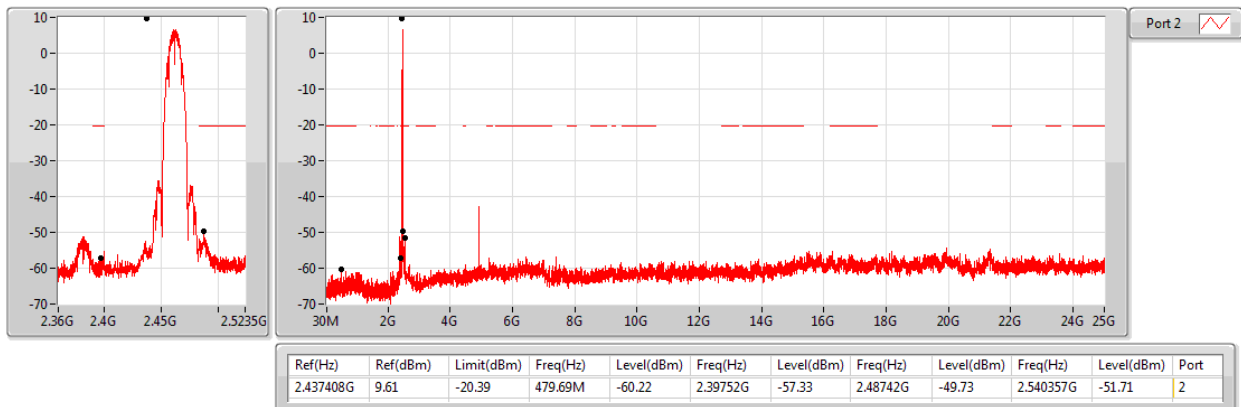
2437MHz



### 802.11b\_Nss1,(1Mbps)\_1TX

CSE NdB

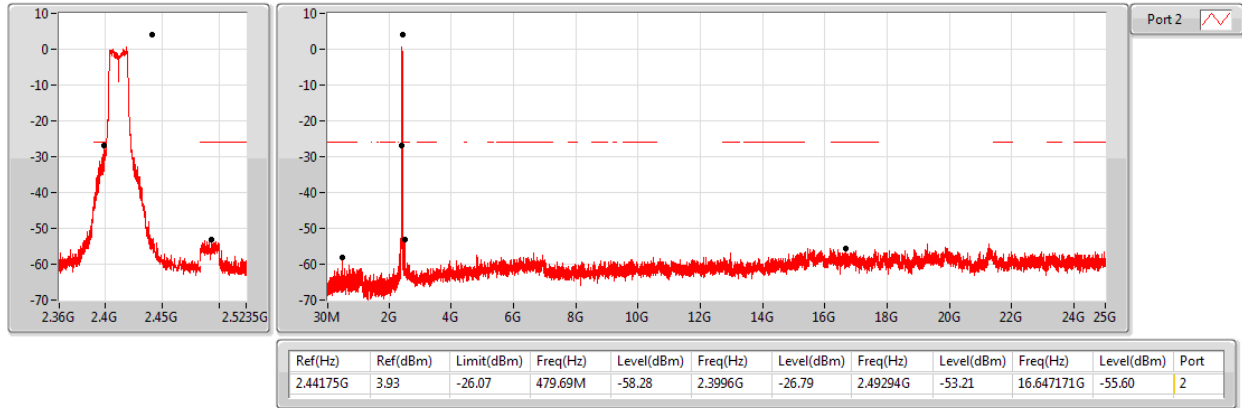
2462MHz



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

CSE NdB

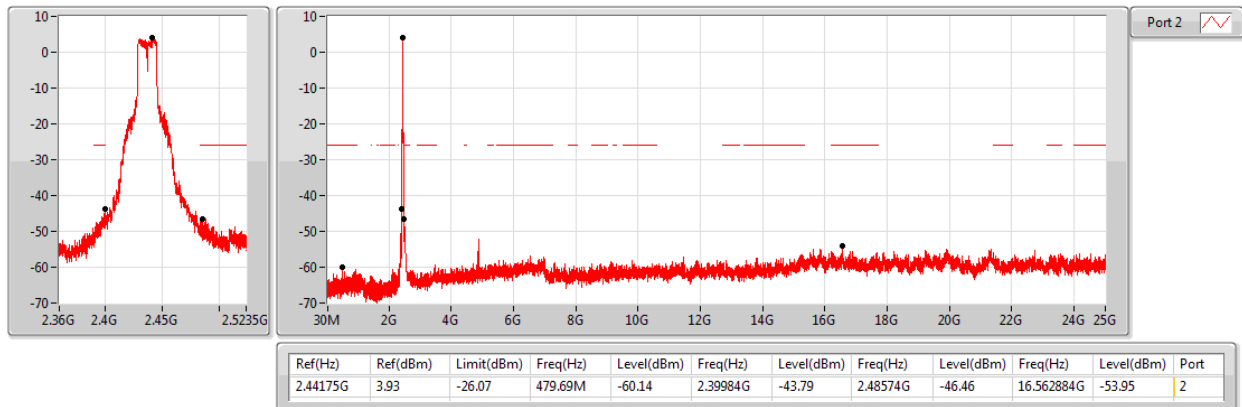
2412MHz



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

CSE NdB

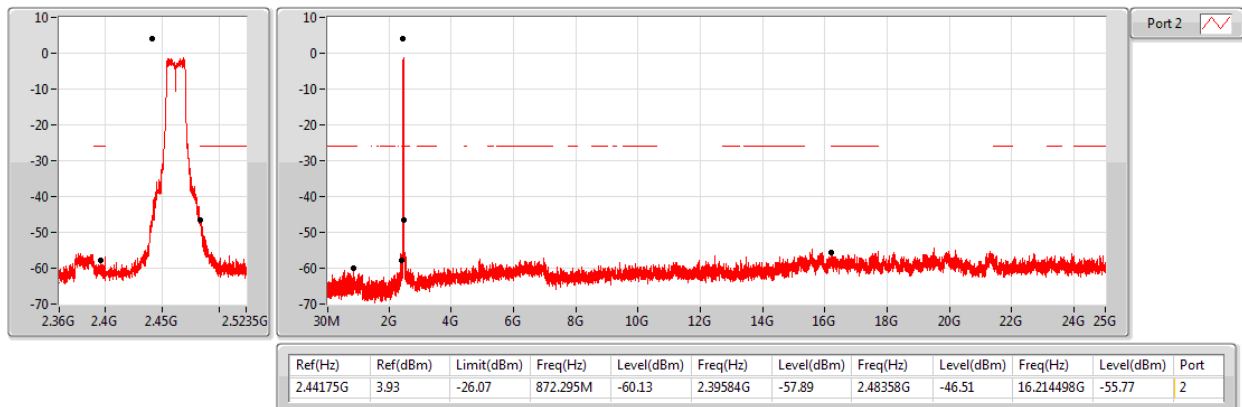
2437MHz



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

CSE NdB

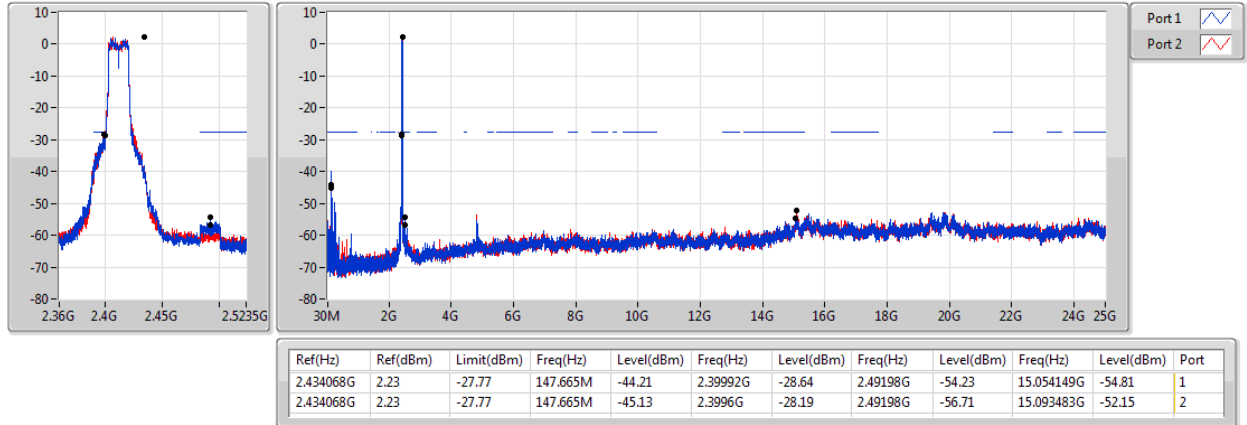
2462MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

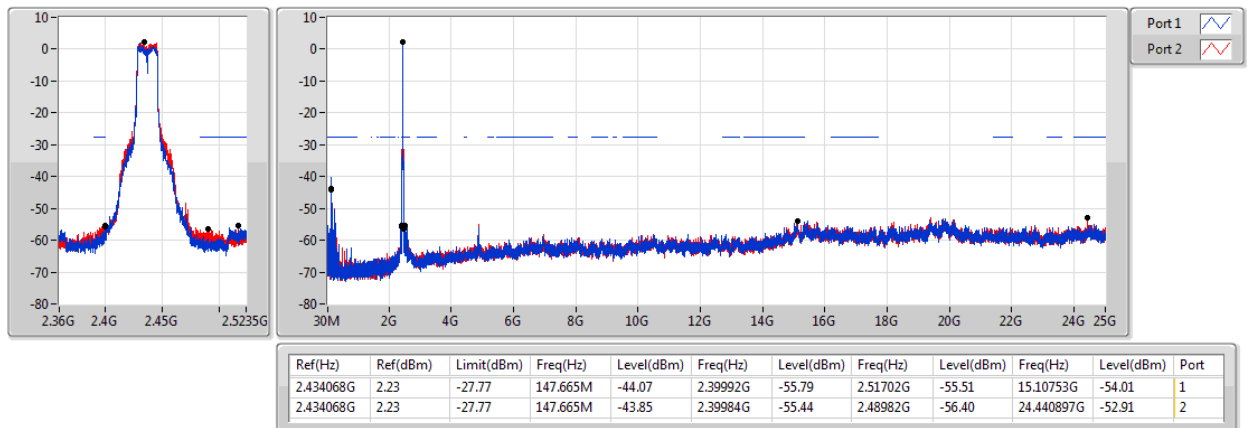
2412MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

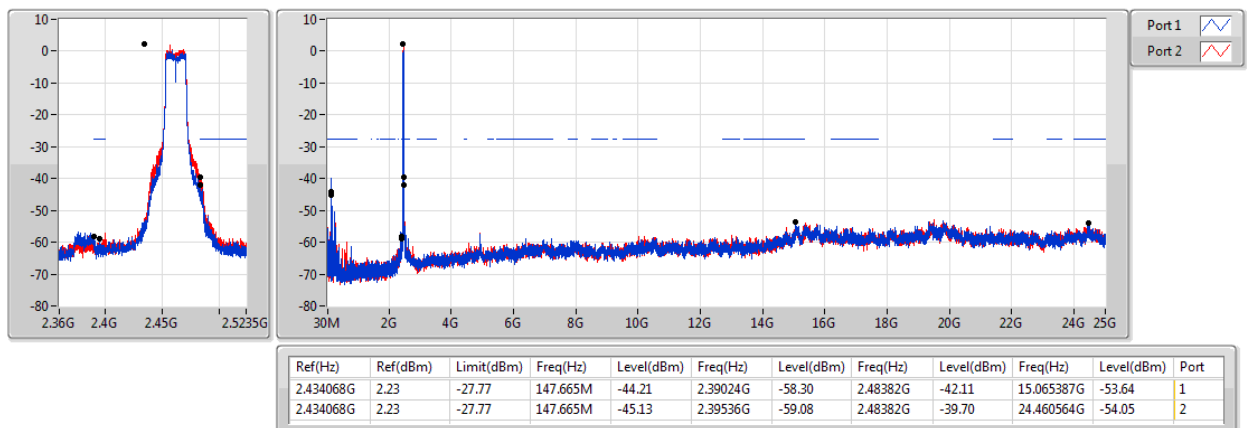
2437MHz



### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

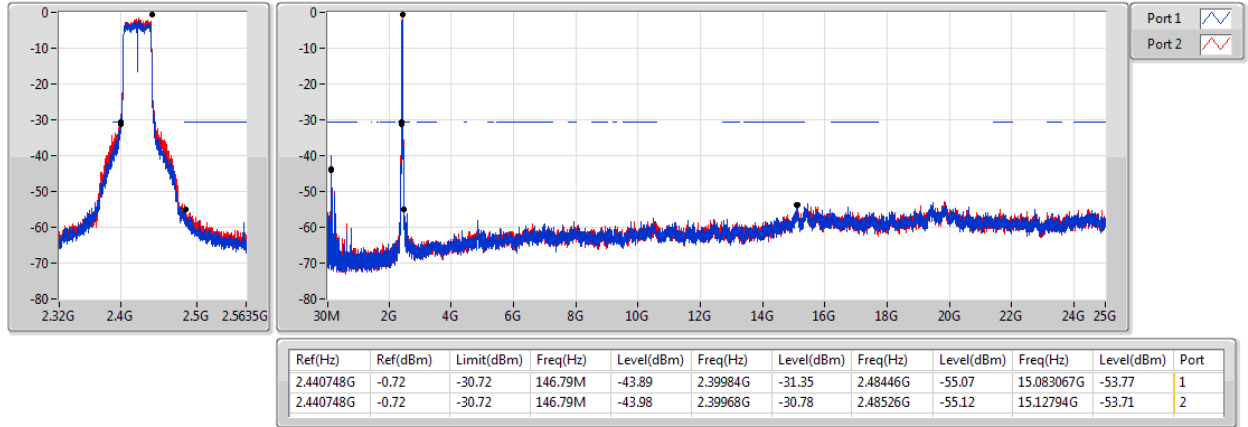
2462MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

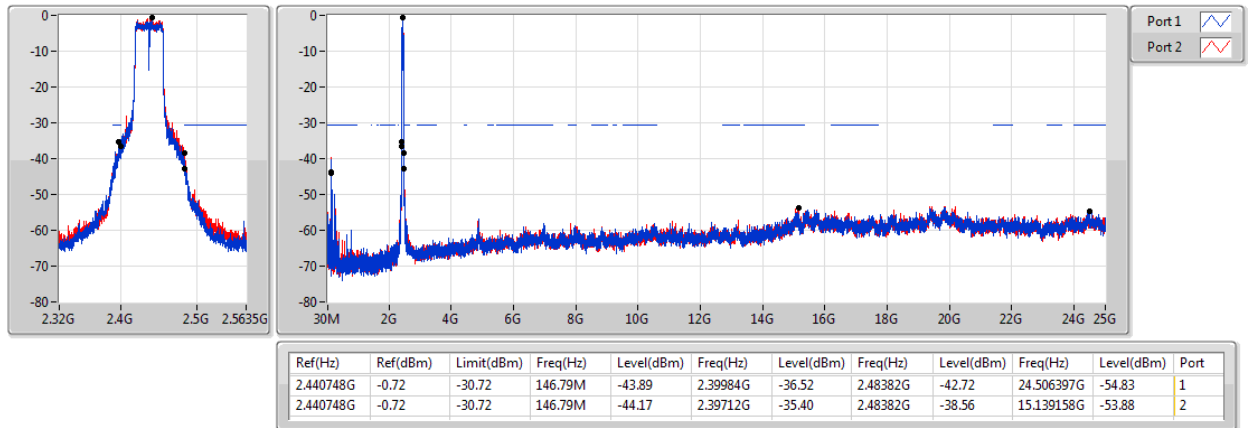
2422MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

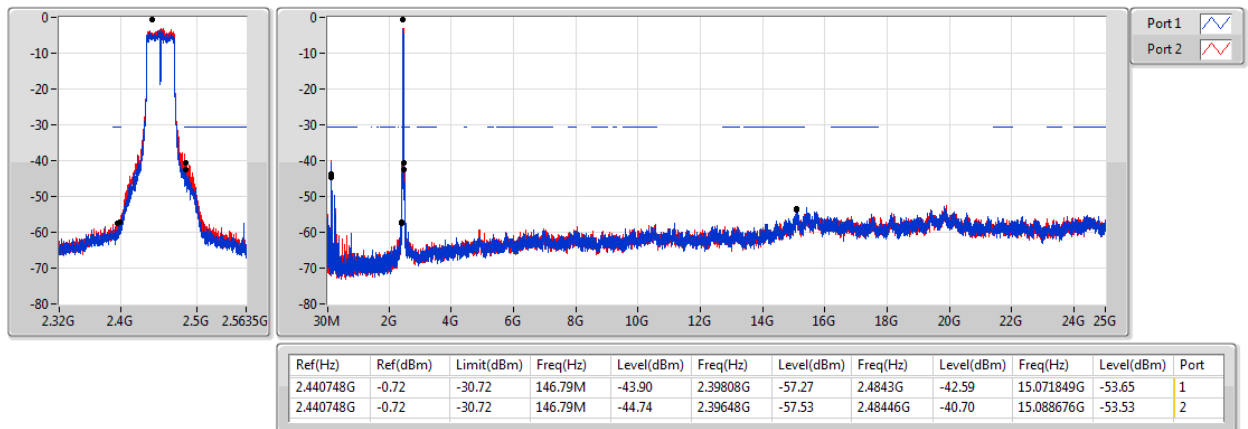
2437MHz



### 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

2452MHz



**Summary**

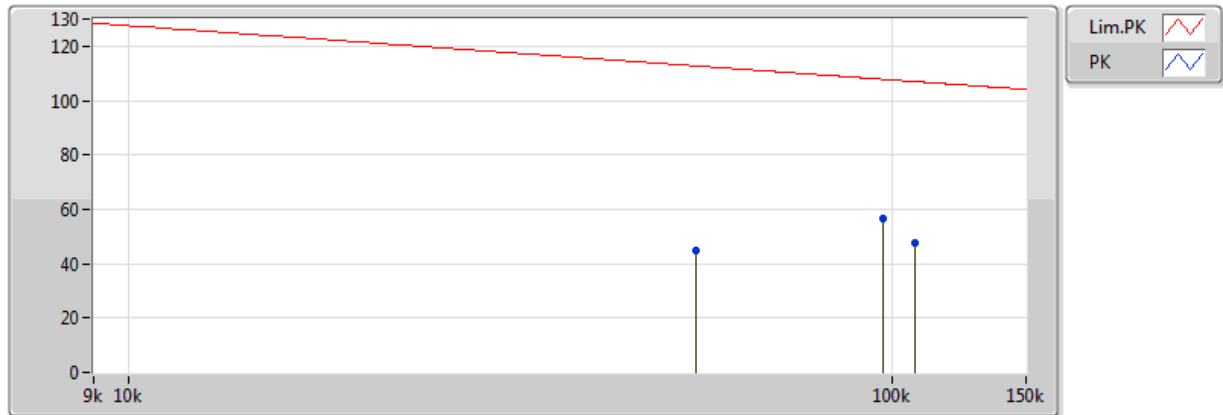
| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Pol.<br>(H/V) | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 2.4-2.4835GHz                | Pass   | PK   | 703.18M      | 38.47             | 46.00             | -7.53          | -0.29          | 3           | V             | 360            | 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)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 2437MHz                      | Pass   | PK   | 55.53k       | 45.07             | 112.70            | -67.63         | 21.12          | 3           | H             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 97.266k      | 56.59             | 107.84            | -51.25         | 20.80          | 3           | H             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 107.418k     | 47.40             | 106.98            | -59.58         | 20.77          | 3           | H             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 1.1052M      | 47.84             | 66.76             | -18.92         | 21.03          | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 2.2992M      | 41.14             | 69.50             | -28.36         | 20.88          | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 16.0899M     | 30.19             | 69.50             | -39.31         | 22.80          | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 30M          | 27.09             | 40.00             | -12.91         | -4.25          | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 144.46M      | 30.78             | 43.50             | -12.72         | -10.06         | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 245.34M      | 31.87             | 46.00             | -14.13         | -7.97          | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 334.58M      | 33.89             | 46.00             | -12.11         | -5.92          | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 491.72M      | 36.32             | 46.00             | -9.68          | -2.60          | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 720.64M      | 32.82             | 46.00             | -13.18         | 0.11           | 3           | H             | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 30M          | 25.14             | 40.00             | -14.86         | -4.25          | 3           | V             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 123.12M      | 32.45             | 43.50             | -11.05         | -8.96          | 3           | V             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 175.5M       | 30.02             | 43.50             | -13.48         | -10.99         | 3           | V             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 355.92M      | 32.23             | 46.00             | -13.77         | -5.22          | 3           | V             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 600.36M      | 35.06             | 46.00             | -10.94         | -1.20          | 3           | V             | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 703.18M      | 38.47             | 46.00             | -7.53          | -0.29          | 3           | V             | 360            | 1.00          | -        |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_Tx

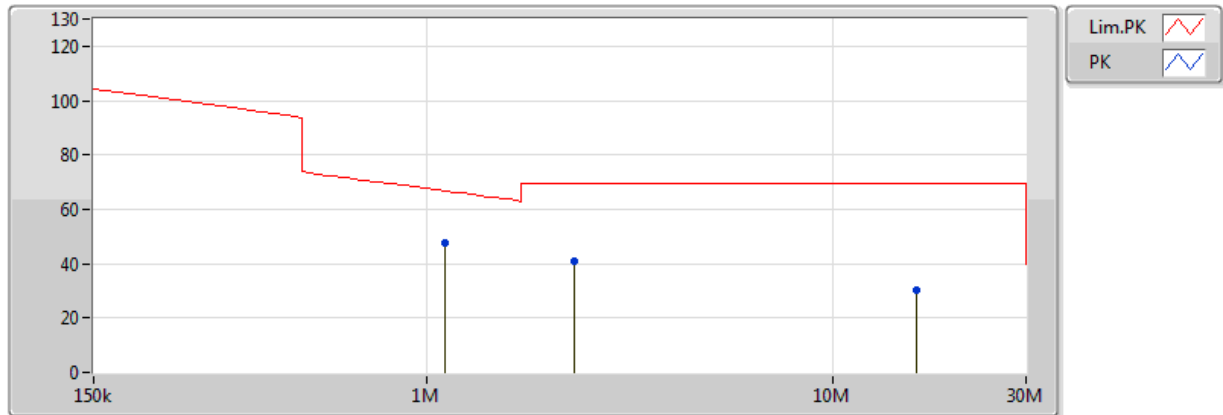


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| PK   | 55.53k   | 45.07         | 112.70        | -67.63     | 21.12      | 3       | H         | 360        | 1.00      | -        |
| PK   | 97.266k  | 56.59         | 107.84        | -51.25     | 20.80      | 3       | H         | 360        | 1.00      | -        |
| PK   | 107.418k | 47.40         | 106.98        | -59.58     | 20.77      | 3       | H         | 360        | 1.00      | -        |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_Tx

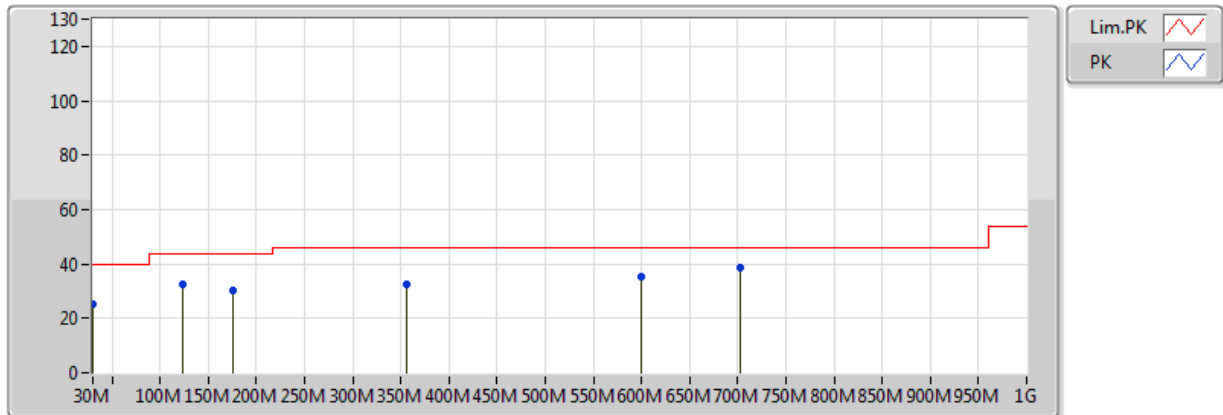


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| PK   | 1.1052M  | 47.84         | 66.76         | -18.92     | 21.03      | 3       | H         | 0          | 1.00      | -        |
| PK   | 2.2992M  | 41.14         | 69.50         | -28.36     | 20.88      | 3       | H         | 0          | 1.00      | -        |
| PK   | 16.0899M | 30.19         | 69.50         | -39.31     | 22.80      | 3       | H         | 0          | 1.00      | -        |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_Tx

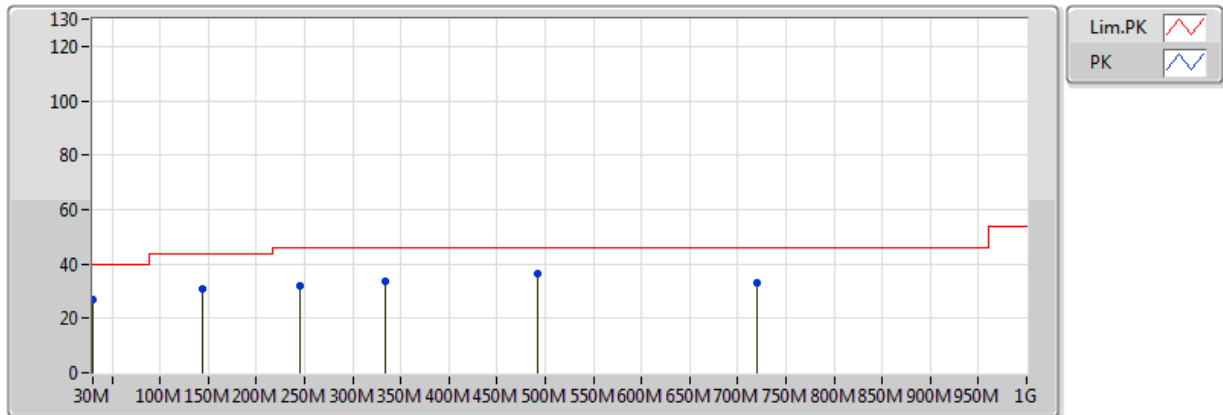


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| PK   | 30M      | 25.14         | 40.00         | -14.86     | -4.25      | 3       | V         | 360        | 1.00      | -        |
| PK   | 123.12M  | 32.45         | 43.50         | -11.05     | -8.96      | 3       | V         | 360        | 1.00      | -        |
| PK   | 175.5M   | 30.02         | 43.50         | -13.48     | -10.99     | 3       | V         | 360        | 1.00      | -        |
| PK   | 355.92M  | 32.23         | 46.00         | -13.77     | -5.22      | 3       | V         | 360        | 1.00      | -        |
| PK   | 600.36M  | 35.06         | 46.00         | -10.94     | -1.20      | 3       | V         | 360        | 1.00      | -        |
| PK   | 703.18M  | 38.47         | 46.00         | -7.53      | -0.29      | 3       | V         | 360        | 1.00      | -        |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_Tx



EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| PK   | 30M      | 27.09         | 40.00         | -12.91     | -4.25      | 3       | H         | 0          | 1.00      | -        |
| PK   | 144.46M  | 30.78         | 43.50         | -12.72     | -10.06     | 3       | H         | 0          | 1.00      | -        |
| PK   | 245.34M  | 31.87         | 46.00         | -14.13     | -7.97      | 3       | H         | 0          | 1.00      | -        |
| PK   | 334.58M  | 33.89         | 46.00         | -12.11     | -5.92      | 3       | H         | 0          | 1.00      | -        |
| PK   | 491.72M  | 36.32         | 46.00         | -9.68      | -2.60      | 3       | H         | 0          | 1.00      | -        |
| PK   | 720.64M  | 32.82         | 46.00         | -13.18     | 0.11       | 3       | H         | 0          | 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 HT20_Nss1,(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 2.4-2.4835GHz                | Pass   | AV   | 2.483502G    | 53.72             | 54.00             | -0.28          | 31.07          | 3           | H             | 310            | 1.18          | -        |



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 |
|---------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 802.11b_(1Mbps)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 2412MHz             | Pass   | AV   | 2.386G       | 46.83             | 54.00             | -7.17          | 30.74          | 3           | H             | 223            | 1.11          | -        |
| 2412MHz             | Pass   | AV   | 2.4112G      | 104.84            | Inf               | -Inf           | 30.83          | 3           | H             | 223            | 1.11          | -        |
| 2412MHz             | Pass   | PK   | 2.3866G      | 56.55             | 74.00             | -17.45         | 30.75          | 3           | H             | 223            | 1.11          | -        |
| 2412MHz             | Pass   | PK   | 2.413G       | 108.92            | Inf               | -Inf           | 30.83          | 3           | H             | 223            | 1.11          | -        |
| 2412MHz             | Pass   | AV   | 2.3864G      | 46.28             | 54.00             | -7.72          | 30.75          | 3           | V             | 154            | 2.39          | -        |
| 2412MHz             | Pass   | AV   | 2.4112G      | 102.85            | Inf               | -Inf           | 30.83          | 3           | V             | 154            | 2.39          | -        |
| 2412MHz             | Pass   | PK   | 2.3864G      | 56.21             | 74.00             | -17.79         | 30.75          | 3           | V             | 154            | 2.39          | -        |
| 2412MHz             | Pass   | PK   | 2.413G       | 106.79            | Inf               | -Inf           | 30.83          | 3           | V             | 154            | 2.39          | -        |
| 2412MHz             | Pass   | AV   | 4.824G       | 46.24             | 54.00             | -7.76          | 2.03           | 3           | H             | 29             | 2.44          | -        |
| 2412MHz             | Pass   | PK   | 4.824G       | 48.71             | 74.00             | -25.29         | 2.03           | 3           | H             | 29             | 2.44          | -        |
| 2412MHz             | Pass   | AV   | 4.824G       | 43.58             | 54.00             | -10.42         | 2.03           | 3           | V             | 252            | 2.10          | -        |
| 2412MHz             | Pass   | PK   | 4.824G       | 46.84             | 74.00             | -27.16         | 2.03           | 3           | V             | 252            | 2.10          | -        |
| 2437MHz             | Pass   | AV   | 2.3578G      | 43.35             | 54.00             | -10.65         | 30.65          | 3           | H             | 30             | 1.44          | -        |
| 2437MHz             | Pass   | AV   | 2.4362G      | 104.66            | Inf               | -Inf           | 30.91          | 3           | H             | 30             | 1.44          | -        |
| 2437MHz             | Pass   | AV   | 2.4986G      | 43.81             | 54.00             | -10.19         | 31.13          | 3           | H             | 30             | 1.44          | -        |
| 2437MHz             | Pass   | AV   | 4.874G       | 38.71             | 54.00             | -15.29         | 2.17           | 3           | H             | 27             | 2.64          | -        |
| 2437MHz             | Pass   | PK   | 2.3734G      | 54.40             | 74.00             | -19.60         | 30.70          | 3           | H             | 30             | 1.44          | -        |
| 2437MHz             | Pass   | PK   | 2.4378G      | 108.47            | Inf               | -Inf           | 30.92          | 3           | H             | 30             | 1.44          | -        |
| 2437MHz             | Pass   | PK   | 2.4982G      | 55.15             | 74.00             | -18.85         | 31.12          | 3           | H             | 30             | 1.44          | -        |
| 2437MHz             | Pass   | PK   | 4.874G       | 46.07             | 74.00             | -27.93         | 2.17           | 3           | H             | 27             | 2.64          | -        |
| 2437MHz             | Pass   | AV   | 2.3586G      | 42.99             | 54.00             | -11.01         | 30.65          | 3           | V             | 321            | 3.66          | -        |
| 2437MHz             | Pass   | AV   | 2.4386G      | 103.24            | Inf               | -Inf           | 30.92          | 3           | V             | 321            | 3.66          | -        |
| 2437MHz             | Pass   | AV   | 2.4994G      | 43.69             | 54.00             | -10.31         | 31.13          | 3           | V             | 321            | 3.66          | -        |
| 2437MHz             | Pass   | AV   | 4.874G       | 33.09             | 54.00             | -20.91         | 2.17           | 3           | V             | 270            | 1.50          | -        |
| 2437MHz             | Pass   | PK   | 2.3454G      | 54.13             | 74.00             | -19.87         | 30.61          | 3           | V             | 321            | 3.66          | -        |
| 2437MHz             | Pass   | PK   | 2.4378G      | 107.28            | Inf               | -Inf           | 30.92          | 3           | V             | 321            | 3.66          | -        |
| 2437MHz             | Pass   | PK   | 2.4882G      | 54.86             | 74.00             | -19.14         | 31.09          | 3           | V             | 321            | 3.66          | -        |
| 2437MHz             | Pass   | PK   | 4.874G       | 44.66             | 74.00             | -29.34         | 2.17           | 3           | V             | 270            | 1.50          | -        |
| 2462MHz             | Pass   | AV   | 2.4612G      | 104.78            | Inf               | -Inf           | 31.00          | 3           | H             | 223            | 1.50          | -        |
| 2462MHz             | Pass   | AV   | 2.483502G    | 48.43             | 54.00             | -5.57          | 31.07          | 3           | H             | 223            | 1.50          | -        |
| 2462MHz             | Pass   | AV   | 4.924G       | 34.79             | 54.00             | -19.21         | 2.31           | 3           | H             | 24             | 1.68          | -        |
| 2462MHz             | Pass   | PK   | 2.463G       | 108.77            | Inf               | -Inf           | 31.00          | 3           | H             | 223            | 1.50          | -        |
| 2462MHz             | Pass   | PK   | 2.4886G      | 57.61             | 74.00             | -16.39         | 31.09          | 3           | H             | 223            | 1.50          | -        |
| 2462MHz             | Pass   | PK   | 4.924G       | 45.63             | 74.00             | -28.37         | 2.31           | 3           | H             | 24             | 1.68          | -        |
| 2462MHz             | Pass   | AV   | 2.4638G      | 104.68            | Inf               | -Inf           | 31.01          | 3           | V             | 322            | 3.23          | -        |
| 2462MHz             | Pass   | AV   | 2.483502G    | 48.86             | 54.00             | -5.14          | 31.07          | 3           | V             | 322            | 3.23          | -        |
| 2462MHz             | Pass   | AV   | 4.924G       | 31.77             | 54.00             | -22.23         | 2.31           | 3           | V             | 125            | 3.56          | -        |
| 2462MHz             | Pass   | PK   | 2.463G       | 108.69            | Inf               | -Inf           | 31.00          | 3           | V             | 322            | 3.23          | -        |
| 2462MHz             | Pass   | PK   | 2.4836G      | 58.25             | 74.00             | -15.75         | 31.07          | 3           | V             | 322            | 3.23          | -        |
| 2462MHz             | Pass   | PK   | 4.924G       | 44.39             | 74.00             | -29.61         | 2.31           | 3           | V             | 125            | 3.56          | -        |
| 802.11g_(6Mbps)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 2412MHz             | Pass   | AV   | 2.39G        | 52.56             | 54.00             | -1.44          | 30.76          | 3           | H             | 226            | 2.13          | -        |
| 2412MHz             | Pass   | AV   | 2.4182G      | 97.66             | Inf               | -Inf           | 30.85          | 3           | H             | 226            | 2.13          | -        |
| 2412MHz             | Pass   | PK   | 2.39G        | 71.48             | 74.00             | -2.52          | 30.76          | 3           | H             | 226            | 2.13          | -        |
| 2412MHz             | Pass   | PK   | 2.4056G      | 107.03            | Inf               | -Inf           | 30.81          | 3           | H             | 226            | 2.13          | -        |
| 2412MHz             | Pass   | AV   | 2.39G        | 51.99             | 54.00             | -2.01          | 30.76          | 3           | V             | 150            | 2.40          | -        |
| 2412MHz             | Pass   | AV   | 2.4182G      | 95.77             | Inf               | -Inf           | 30.85          | 3           | V             | 150            | 2.40          | -        |
| 2412MHz             | Pass   | PK   | 2.39G        | 69.69             | 74.00             | -4.31          | 30.76          | 3           | V             | 150            | 2.40          | -        |



## RSE TX above 1GHz Result\_Big board

## Appendix F.2

| 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 |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 2412MHz                      | Pass   | PK   | 2.4176G      | 104.93            | Inf               | -Inf           | 30.85          | 3           | V             | 150            | 2.40          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 30.64             | 54.00             | -23.36         | 2.03           | 3           | H             | 303            | 1.50          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 43.77             | 54.00             | -10.23         | 2.03           | 3           | H             | 360            | 1.50          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 29.69             | 54.00             | -24.31         | 2.03           | 3           | V             | 1              | 1.50          | -        |
| 2412MHz                      | Pass   | PK   | 4.824G       | 43.67             | 74.00             | -30.33         | 2.03           | 3           | V             | 0              | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.389G       | 45.42             | 54.00             | -8.58          | 30.75          | 3           | H             | 32             | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.4318G      | 100.07            | Inf               | -Inf           | 30.90          | 3           | H             | 32             | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.4838G      | 47.89             | 54.00             | -6.11          | 31.07          | 3           | H             | 32             | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 2.3874G      | 60.03             | 74.00             | -13.97         | 30.75          | 3           | H             | 32             | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 2.4306G      | 110.08            | Inf               | -Inf           | 30.89          | 3           | H             | 32             | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 2.485G       | 64.70             | 74.00             | -9.30          | 31.08          | 3           | H             | 32             | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.389998G    | 45.02             | 54.00             | -8.98          | 30.76          | 3           | V             | 153            | 2.65          | -        |
| 2437MHz                      | Pass   | AV   | 2.4434G      | 98.63             | Inf               | -Inf           | 30.94          | 3           | V             | 153            | 2.65          | -        |
| 2437MHz                      | Pass   | AV   | 2.483502G    | 46.79             | 54.00             | -7.21          | 31.07          | 3           | V             | 153            | 2.65          | -        |
| 2437MHz                      | Pass   | PK   | 2.385G       | 58.58             | 74.00             | -15.42         | 30.74          | 3           | V             | 153            | 2.65          | -        |
| 2437MHz                      | Pass   | PK   | 2.4426G      | 107.91            | Inf               | -Inf           | 30.93          | 3           | V             | 153            | 2.65          | -        |
| 2437MHz                      | Pass   | PK   | 2.4854G      | 61.93             | 74.00             | -12.07         | 31.08          | 3           | V             | 153            | 2.65          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 35.38             | 54.00             | -18.62         | 2.17           | 3           | H             | 43             | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 48.17             | 74.00             | -25.83         | 2.17           | 3           | H             | 0              | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 31.67             | 54.00             | -22.33         | 2.17           | 3           | V             | 346            | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 44.80             | 74.00             | -29.20         | 2.17           | 3           | V             | 360            | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 2.4682G      | 97.41             | Inf               | -Inf           | 31.02          | 3           | H             | 225            | 2.13          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 52.85             | 54.00             | -1.15          | 31.07          | 3           | H             | 225            | 2.13          | -        |
| 2462MHz                      | Pass   | PK   | 2.4674G      | 106.63            | Inf               | -Inf           | 31.02          | 3           | H             | 225            | 2.13          | -        |
| 2462MHz                      | Pass   | PK   | 2.4838G      | 68.78             | 74.00             | -5.22          | 31.07          | 3           | H             | 225            | 2.13          | -        |
| 2462MHz                      | Pass   | AV   | 2.4682G      | 97.77             | Inf               | -Inf           | 31.02          | 3           | V             | 323            | 3.24          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 52.87             | 54.00             | -1.13          | 31.07          | 3           | V             | 323            | 3.24          | -        |
| 2462MHz                      | Pass   | PK   | 2.4676G      | 107.04            | Inf               | -Inf           | 31.02          | 3           | V             | 323            | 3.24          | -        |
| 2462MHz                      | Pass   | PK   | 2.483502G    | 68.94             | 74.00             | -5.06          | 31.07          | 3           | V             | 323            | 3.24          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 29.84             | 54.00             | -24.16         | 2.31           | 3           | H             | 0              | 1.50          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 41.45             | 74.00             | -32.55         | 2.31           | 3           | H             | 0              | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 32.31             | 54.00             | -21.69         | 2.31           | 3           | V             | 21             | 1.14          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 44.23             | 74.00             | -29.77         | 2.31           | 3           | V             | 21             | 1.14          | -        |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 2412MHz                      | Pass   | AV   | 2.39G        | 52.05             | 54.00             | -1.95          | 30.76          | 3           | H             | 229            | 1.17          | -        |
| 2412MHz                      | Pass   | AV   | 2.404G       | 88.27             | Inf               | -Inf           | 30.80          | 3           | H             | 229            | 1.17          | -        |
| 2412MHz                      | Pass   | PK   | 2.39G        | 70.81             | 74.00             | -3.19          | 30.76          | 3           | H             | 229            | 1.17          | -        |
| 2412MHz                      | Pass   | PK   | 2.405G       | 97.91             | Inf               | -Inf           | 30.81          | 3           | H             | 229            | 1.17          | -        |
| 2412MHz                      | Pass   | AV   | 2.39G        | 53.05             | 54.00             | -0.95          | 30.76          | 3           | V             | 294            | 3.67          | -        |
| 2412MHz                      | Pass   | AV   | 2.4064G      | 96.36             | Inf               | -Inf           | 30.81          | 3           | V             | 294            | 3.67          | -        |
| 2412MHz                      | Pass   | PK   | 2.39G        | 72.95             | 74.00             | -1.05          | 30.76          | 3           | V             | 294            | 3.67          | -        |
| 2412MHz                      | Pass   | PK   | 2.409G       | 106.11            | Inf               | -Inf           | 30.82          | 3           | V             | 294            | 3.67          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 30.44             | 54.00             | -23.56         | 2.03           | 3           | H             | 360            | 1.50          | -        |
| 2412MHz                      | Pass   | PK   | 4.824G       | 44.01             | 74.00             | -29.99         | 2.03           | 3           | H             | 360            | 1.50          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 30.28             | 54.00             | -23.72         | 2.03           | 3           | V             | 0              | 1.50          | -        |
| 2412MHz                      | Pass   | PK   | 4.824G       | 43.91             | 74.00             | -30.09         | 2.03           | 3           | V             | 0              | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.387G       | 42.83             | 54.00             | -11.17         | 30.75          | 3           | H             | 29             | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.4314G      | 99.27             | Inf               | -Inf           | 30.90          | 3           | H             | 29             | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.4886G      | 43.59             | 54.00             | -10.41         | 31.09          | 3           | H             | 29             | 1.50          | -        |



## RSE TX above 1GHz Result\_Big board

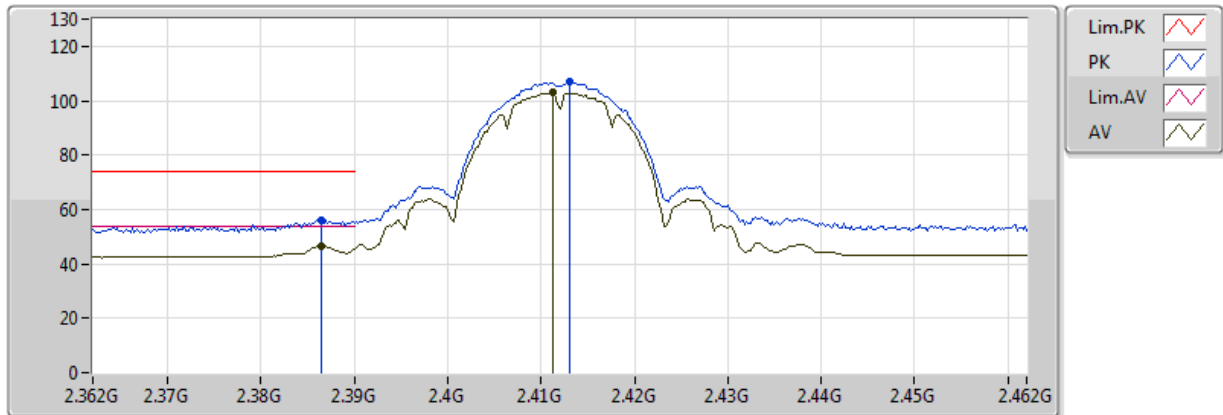
## Appendix F.2

| 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 |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 2437MHz                      | Pass   | PK   | 2.3754G      | 54.30             | 74.00             | -19.70         | 30.71          | 3           | H             | 29             | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 2.4338G      | 108.97            | Inf               | -Inf           | 30.90          | 3           | H             | 29             | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 2.4994G      | 55.22             | 74.00             | -18.78         | 31.13          | 3           | H             | 29             | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.389998G    | 42.74             | 54.00             | -11.26         | 30.76          | 3           | V             | 38             | 1.09          | -        |
| 2437MHz                      | Pass   | AV   | 2.4422G      | 95.47             | Inf               | -Inf           | 30.93          | 3           | V             | 38             | 1.09          | -        |
| 2437MHz                      | Pass   | AV   | 2.489G       | 43.44             | 54.00             | -10.56         | 31.09          | 3           | V             | 38             | 1.09          | -        |
| 2437MHz                      | Pass   | PK   | 2.3554G      | 54.31             | 74.00             | -19.69         | 30.64          | 3           | V             | 38             | 1.09          | -        |
| 2437MHz                      | Pass   | PK   | 2.4434G      | 104.99            | Inf               | -Inf           | 30.94          | 3           | V             | 38             | 1.09          | -        |
| 2437MHz                      | Pass   | PK   | 2.4942G      | 55.76             | 74.00             | -18.24         | 31.11          | 3           | V             | 38             | 1.09          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 29.77             | 54.00             | -24.23         | 2.17           | 3           | H             | 0              | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 42.73             | 74.00             | -31.27         | 2.17           | 3           | H             | 0              | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 29.91             | 54.00             | -24.09         | 2.17           | 3           | V             | 360            | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 43.71             | 74.00             | -30.29         | 2.17           | 3           | V             | 360            | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 2.4674G      | 99.51             | Inf               | -Inf           | 31.02          | 3           | H             | 310            | 1.18          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 53.72             | 54.00             | -0.28          | 31.07          | 3           | H             | 310            | 1.18          | -        |
| 2462MHz                      | Pass   | PK   | 2.4566G      | 109.08            | Inf               | -Inf           | 30.98          | 3           | H             | 310            | 1.18          | -        |
| 2462MHz                      | Pass   | PK   | 2.483502G    | 72.05             | 74.00             | -1.95          | 31.07          | 3           | H             | 310            | 1.18          | -        |
| 2462MHz                      | Pass   | AV   | 2.4674G      | 96.74             | Inf               | -Inf           | 31.02          | 3           | V             | 220            | 3.38          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 51.01             | 54.00             | -2.99          | 31.07          | 3           | V             | 220            | 3.38          | -        |
| 2462MHz                      | Pass   | PK   | 2.4684G      | 106.32            | Inf               | -Inf           | 31.02          | 3           | V             | 220            | 3.38          | -        |
| 2462MHz                      | Pass   | PK   | 2.484G       | 68.61             | 74.00             | -5.39          | 31.08          | 3           | V             | 220            | 3.38          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 30.62             | 54.00             | -23.38         | 2.31           | 3           | H             | 360            | 1.50          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 44.65             | 74.00             | -29.35         | 2.31           | 3           | H             | 360            | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 30.30             | 54.00             | -23.70         | 2.31           | 3           | V             | 0              | 1.50          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 43.65             | 74.00             | -30.35         | 2.31           | 3           | V             | 0              | 1.50          | -        |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -             | -              | -             | -        |
| 2422MHz                      | Pass   | AV   | 2.39G        | 52.60             | 54.00             | -1.40          | 30.76          | 3           | H             | 229            | 1.34          | -        |
| 2422MHz                      | Pass   | AV   | 2.4064G      | 90.50             | Inf               | -Inf           | 30.81          | 3           | H             | 229            | 1.34          | -        |
| 2422MHz                      | Pass   | AV   | 2.498G       | 43.96             | 54.00             | -10.04         | 31.12          | 3           | H             | 229            | 1.34          | -        |
| 2422MHz                      | Pass   | PK   | 2.3888G      | 67.41             | 74.00             | -6.59          | 30.75          | 3           | H             | 229            | 1.34          | -        |
| 2422MHz                      | Pass   | PK   | 2.4068G      | 99.98             | Inf               | -Inf           | 30.81          | 3           | H             | 229            | 1.34          | -        |
| 2422MHz                      | Pass   | PK   | 2.4972G      | 55.24             | 74.00             | -18.76         | 31.12          | 3           | H             | 229            | 1.34          | -        |
| 2422MHz                      | Pass   | AV   | 2.3896G      | 49.13             | 54.00             | -4.87          | 30.76          | 3           | V             | 38             | 1.14          | -        |
| 2422MHz                      | Pass   | AV   | 2.4372G      | 90.97             | Inf               | -Inf           | 30.92          | 3           | V             | 38             | 1.14          | -        |
| 2422MHz                      | Pass   | AV   | 2.4996G      | 43.82             | 54.00             | -10.18         | 31.13          | 3           | V             | 38             | 1.14          | -        |
| 2422MHz                      | Pass   | PK   | 2.3888G      | 63.98             | 74.00             | -10.02         | 30.75          | 3           | V             | 38             | 1.14          | -        |
| 2422MHz                      | Pass   | PK   | 2.436G       | 100.70            | Inf               | -Inf           | 30.91          | 3           | V             | 38             | 1.14          | -        |
| 2422MHz                      | Pass   | PK   | 2.498G       | 55.30             | 74.00             | -18.70         | 31.12          | 3           | V             | 38             | 1.14          | -        |
| 2422MHz                      | Pass   | AV   | 4.844G       | 29.76             | 54.00             | -24.24         | 2.09           | 3           | H             | 360            | 1.50          | -        |
| 2422MHz                      | Pass   | AV   | 4.844G       | 30.09             | 54.00             | -23.91         | 2.09           | 3           | H             | 0              | 1.50          | -        |
| 2422MHz                      | Pass   | PK   | 4.844G       | 43.55             | 74.00             | -30.45         | 2.09           | 3           | H             | 360            | 1.50          | -        |
| 2422MHz                      | Pass   | PK   | 4.844G       | 43.59             | 74.00             | -30.41         | 2.09           | 3           | H             | 0              | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.389998G    | 49.56             | 54.00             | -4.44          | 30.76          | 3           | H             | 228            | 1.26          | -        |
| 2437MHz                      | Pass   | AV   | 2.4386G      | 95.89             | Inf               | -Inf           | 30.92          | 3           | H             | 228            | 1.26          | -        |
| 2437MHz                      | Pass   | AV   | 2.4838G      | 52.39             | 54.00             | -1.61          | 31.07          | 3           | H             | 228            | 1.26          | -        |
| 2437MHz                      | Pass   | PK   | 2.3894G      | 65.30             | 74.00             | -8.70          | 30.76          | 3           | H             | 228            | 1.26          | -        |
| 2437MHz                      | Pass   | PK   | 2.4474G      | 105.73            | Inf               | -Inf           | 30.95          | 3           | H             | 228            | 1.26          | -        |
| 2437MHz                      | Pass   | PK   | 2.4838G      | 68.32             | 74.00             | -5.68          | 31.07          | 3           | H             | 228            | 1.26          | -        |
| 2437MHz                      | Pass   | AV   | 2.389998G    | 46.92             | 54.00             | -7.08          | 30.76          | 3           | V             | 309            | 3.63          | -        |

| 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 |
|---------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|---------------|----------------|---------------|----------|
| 2437MHz | Pass   | AV   | 2.4386G      | 92.57             | Inf               | -Inf           | 30.92          | 3           | V             | 309            | 3.63          | -        |
| 2437MHz | Pass   | AV   | 2.483502G    | 47.55             | 54.00             | -6.45          | 31.07          | 3           | V             | 309            | 3.63          | -        |
| 2437MHz | Pass   | PK   | 2.3882G      | 60.98             | 74.00             | -13.02         | 30.75          | 3           | V             | 309            | 3.63          | -        |
| 2437MHz | Pass   | PK   | 2.435G       | 102.20            | Inf               | -Inf           | 30.91          | 3           | V             | 309            | 3.63          | -        |
| 2437MHz | Pass   | PK   | 2.483502G    | 61.53             | 74.00             | -12.47         | 31.07          | 3           | V             | 309            | 3.63          | -        |
| 2437MHz | Pass   | AV   | 4.874G       | 29.90             | 54.00             | -24.10         | 2.17           | 3           | H             | 360            | 1.50          | -        |
| 2437MHz | Pass   | PK   | 4.874G       | 43.33             | 74.00             | -30.67         | 2.17           | 3           | H             | 360            | 1.50          | -        |
| 2437MHz | Pass   | AV   | 4.874G       | 30.14             | 54.00             | -23.86         | 2.17           | 3           | V             | 0              | 1.50          | -        |
| 2437MHz | Pass   | PK   | 4.874G       | 44.62             | 74.00             | -29.38         | 2.17           | 3           | V             | 0              | 1.50          | -        |
| 2452MHz | Pass   | AV   | 2.3868G      | 43.34             | 54.00             | -10.66         | 30.75          | 3           | H             | 302            | 2.33          | -        |
| 2452MHz | Pass   | AV   | 2.4536G      | 95.69             | Inf               | -Inf           | 30.97          | 3           | H             | 302            | 2.33          | -        |
| 2452MHz | Pass   | AV   | 2.4836G      | 52.88             | 54.00             | -1.12          | 31.07          | 3           | H             | 302            | 2.33          | -        |
| 2452MHz | Pass   | AV   | 4.904G       | 30.34             | 54.00             | -23.66         | 2.25           | 3           | H             | 0              | 1.50          | -        |
| 2452MHz | Pass   | PK   | 2.3836G      | 54.67             | 74.00             | -19.33         | 30.74          | 3           | H             | 302            | 2.33          | -        |
| 2452MHz | Pass   | PK   | 2.4624G      | 105.23            | Inf               | -Inf           | 31.00          | 3           | H             | 302            | 2.33          | -        |
| 2452MHz | Pass   | PK   | 2.488G       | 66.88             | 74.00             | -7.12          | 31.09          | 3           | H             | 302            | 2.33          | -        |
| 2452MHz | Pass   | PK   | 4.904G       | 43.16             | 74.00             | -30.84         | 2.25           | 3           | H             | 0              | 1.50          | -        |
| 2452MHz | Pass   | AV   | 2.3888G      | 42.87             | 54.00             | -11.13         | 30.75          | 3           | V             | 223            | 3.36          | -        |
| 2452MHz | Pass   | AV   | 2.4536G      | 91.73             | Inf               | -Inf           | 30.97          | 3           | V             | 223            | 3.36          | -        |
| 2452MHz | Pass   | AV   | 2.4836G      | 49.98             | 54.00             | -4.02          | 31.07          | 3           | V             | 223            | 3.36          | -        |
| 2452MHz | Pass   | AV   | 4.904G       | 30.37             | 54.00             | -23.63         | 2.25           | 3           | V             | 360            | 1.50          | -        |
| 2452MHz | Pass   | PK   | 2.3544G      | 54.25             | 74.00             | -19.75         | 30.64          | 3           | V             | 223            | 3.36          | -        |
| 2452MHz | Pass   | PK   | 2.4624G      | 101.74            | Inf               | -Inf           | 31.00          | 3           | V             | 223            | 3.36          | -        |
| 2452MHz | Pass   | PK   | 2.4836G      | 64.00             | 74.00             | -10.00         | 31.07          | 3           | V             | 223            | 3.36          | -        |
| 2452MHz | Pass   | PK   | 4.904G       | 43.60             | 74.00             | -30.40         | 2.25           | 3           | V             | 360            | 1.50          | -        |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

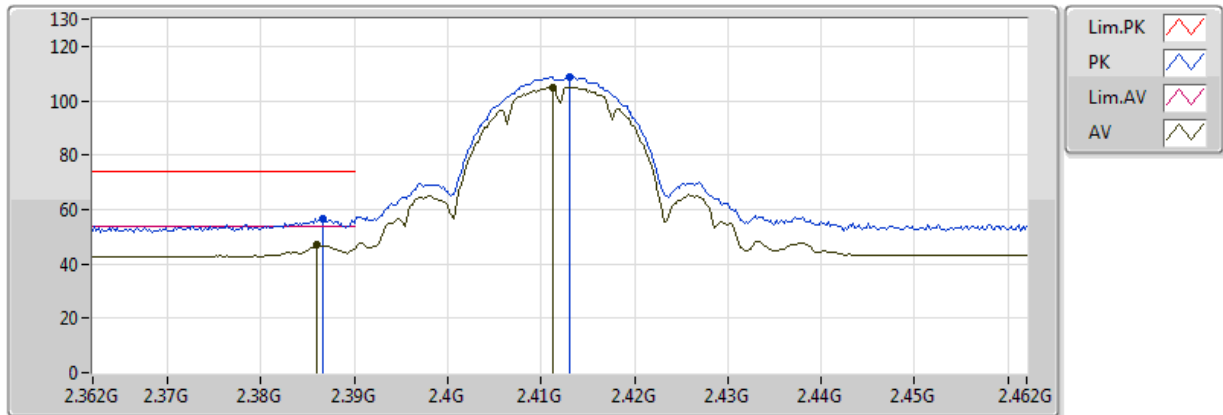


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.3864G  | 46.28         | 54.00         | -7.72      | 30.75      | 3       | V         | 154        | 2.39      | -        |
| AV   | 2.4112G  | 102.85        | Inf           | -Inf       | 30.83      | 3       | V         | 154        | 2.39      | -        |
| PK   | 2.3864G  | 56.21         | 74.00         | -17.79     | 30.75      | 3       | V         | 154        | 2.39      | -        |
| PK   | 2.413G   | 106.79        | Inf           | -Inf       | 30.83      | 3       | V         | 154        | 2.39      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

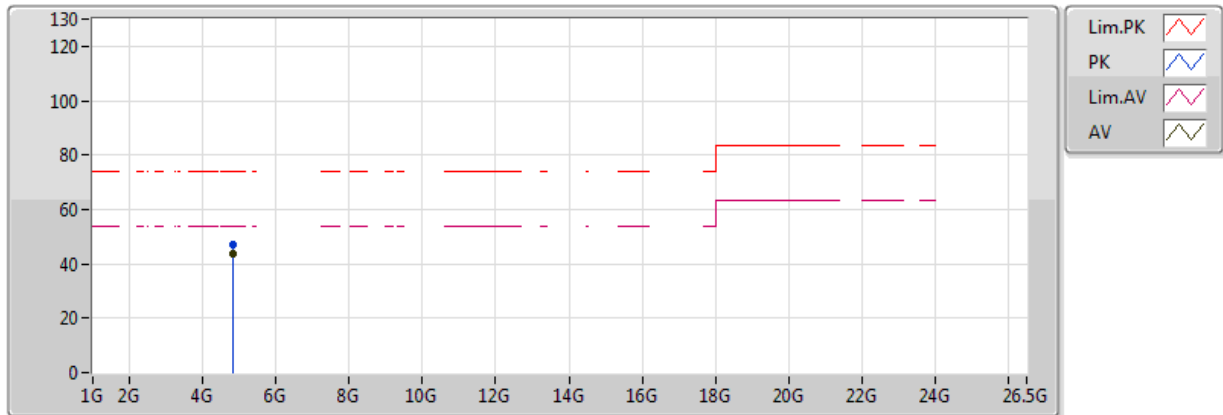


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.386G   | 46.83         | 54.00         | -7.17      | 30.74      | 3       | H         | 223        | 1.11      | -        |
| AV   | 2.4112G  | 104.84        | Inf           | -Inf       | 30.83      | 3       | H         | 223        | 1.11      | -        |
| PK   | 2.3866G  | 56.55         | 74.00         | -17.45     | 30.75      | 3       | H         | 223        | 1.11      | -        |
| PK   | 2.413G   | 108.92        | Inf           | -Inf       | 30.83      | 3       | H         | 223        | 1.11      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

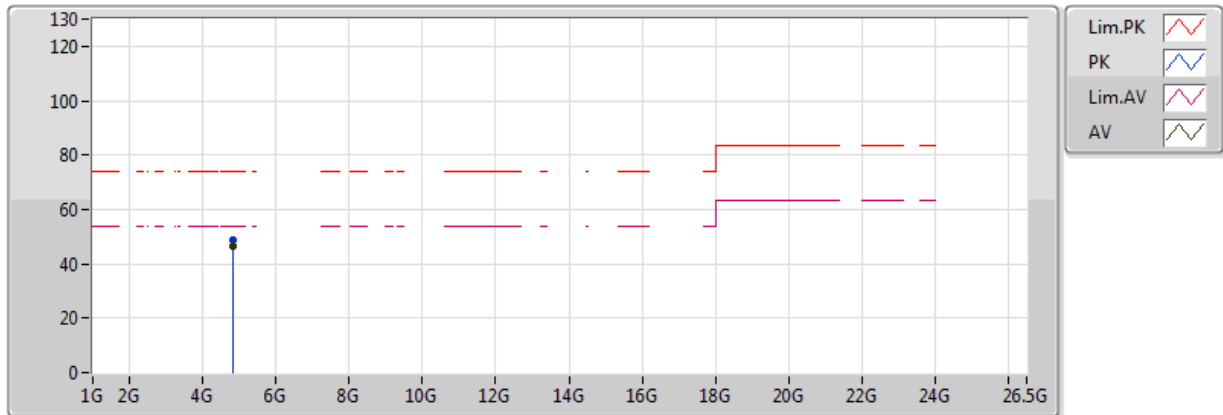


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.824G   | 43.58         | 54.00         | -10.42     | 2.03       | 3       | V         | 252        | 2.10      | -        |
| PK   | 4.824G   | 46.84         | 74.00         | -27.16     | 2.03       | 3       | V         | 252        | 2.10      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

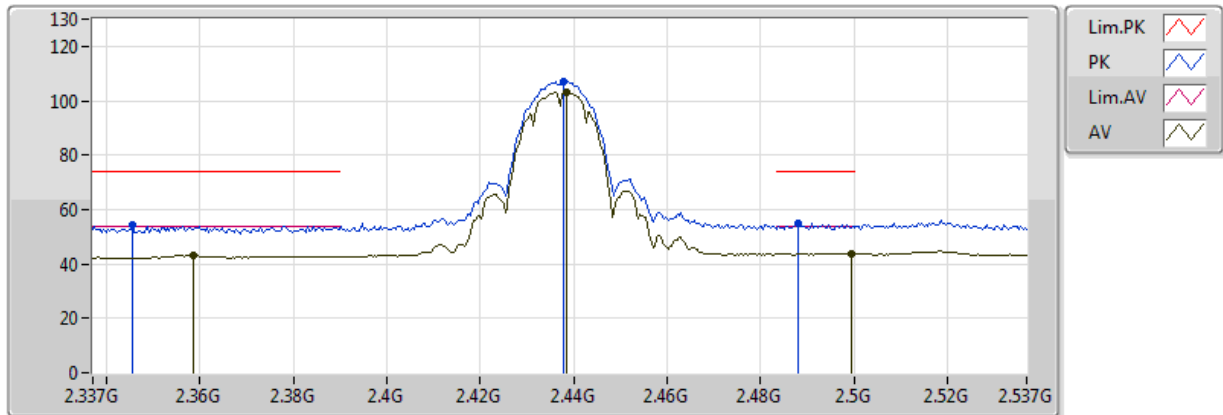


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.824G   | 46.24         | 54.00         | -7.76      | 2.03       | 3       | H         | 29         | 2.44      | -        |
| PK   | 4.824G   | 48.71         | 74.00         | -25.29     | 2.03       | 3       | H         | 29         | 2.44      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

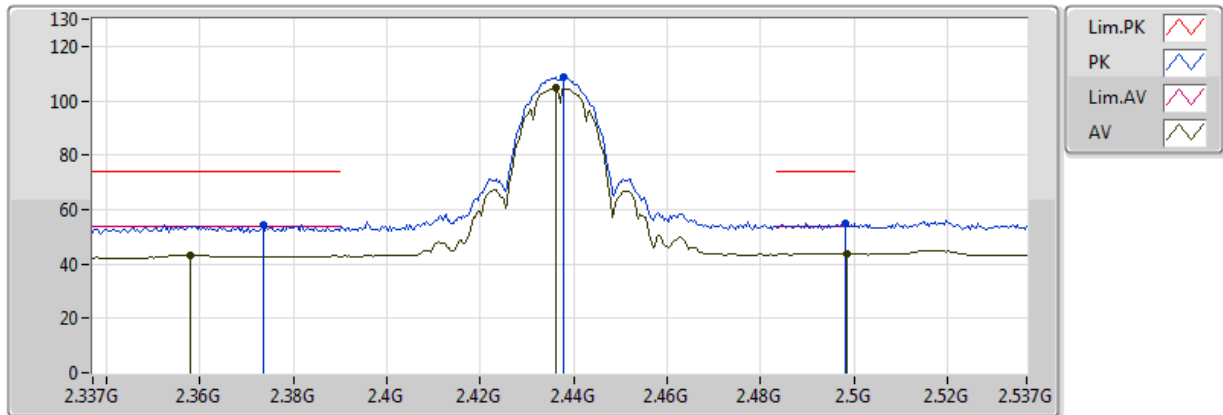


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.3586G  | 42.99         | 54.00         | -11.01     | 30.65      | 3       | V         | 321        | 3.66      | -        |
| AV   | 2.4386G  | 103.24        | Inf           | -Inf       | 30.92      | 3       | V         | 321        | 3.66      | -        |
| AV   | 2.4994G  | 43.69         | 54.00         | -10.31     | 31.13      | 3       | V         | 321        | 3.66      | -        |
| PK   | 2.3454G  | 54.13         | 74.00         | -19.87     | 30.61      | 3       | V         | 321        | 3.66      | -        |
| PK   | 2.4378G  | 107.28        | Inf           | -Inf       | 30.92      | 3       | V         | 321        | 3.66      | -        |
| PK   | 2.4882G  | 54.86         | 74.00         | -19.14     | 31.09      | 3       | V         | 321        | 3.66      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

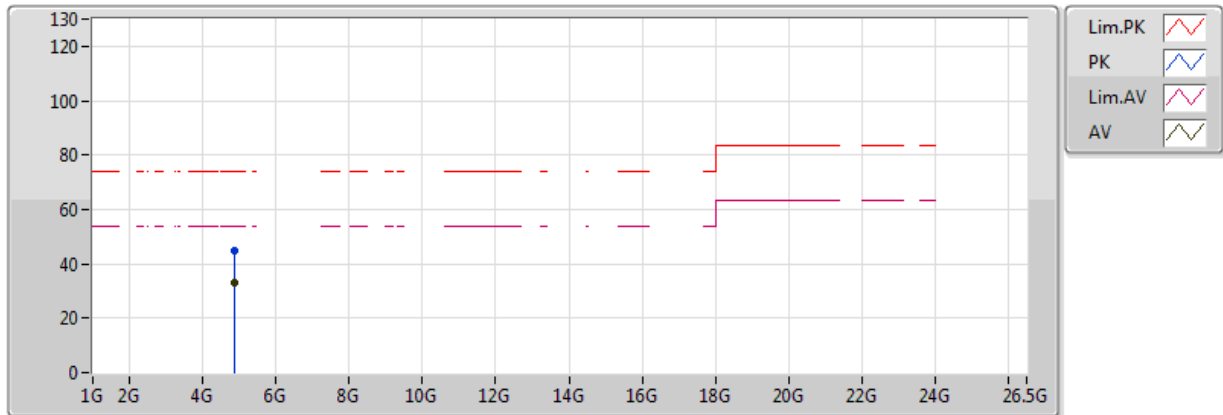


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.3578G  | 43.35         | 54.00         | -10.65     | 30.65      | 3       | H         | 30         | 1.44      | -        |
| AV   | 2.4362G  | 104.66        | Inf           | -Inf       | 30.91      | 3       | H         | 30         | 1.44      | -        |
| AV   | 2.4986G  | 43.81         | 54.00         | -10.19     | 31.13      | 3       | H         | 30         | 1.44      | -        |
| PK   | 2.3734G  | 54.40         | 74.00         | -19.60     | 30.70      | 3       | H         | 30         | 1.44      | -        |
| PK   | 2.4378G  | 108.47        | Inf           | -Inf       | 30.92      | 3       | H         | 30         | 1.44      | -        |
| PK   | 2.4982G  | 55.15         | 74.00         | -18.85     | 31.12      | 3       | H         | 30         | 1.44      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

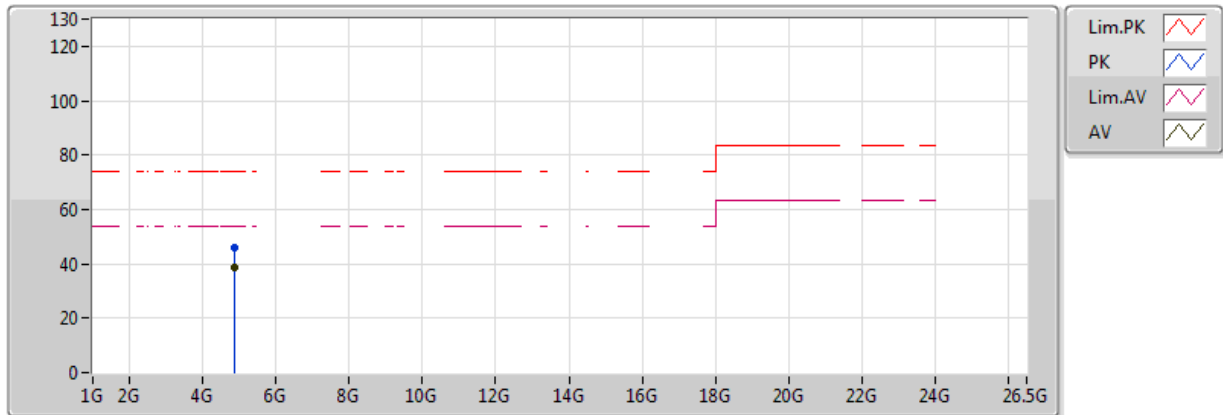


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.874G   | 33.09         | 54.00         | -20.91     | 2.17       | 3       | V         | 270        | 1.50      | -        |
| PK   | 4.874G   | 44.66         | 74.00         | -29.34     | 2.17       | 3       | V         | 270        | 1.50      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

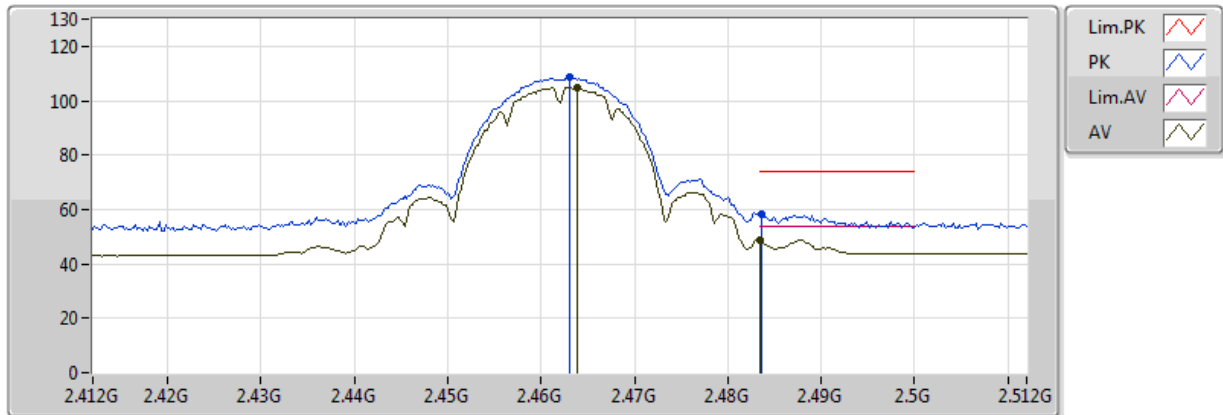


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.874G   | 38.71         | 54.00         | -15.29     | 2.17       | 3       | H         | 27         | 2.64      | -        |
| PK   | 4.874G   | 46.07         | 74.00         | -27.93     | 2.17       | 3       | H         | 27         | 2.64      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

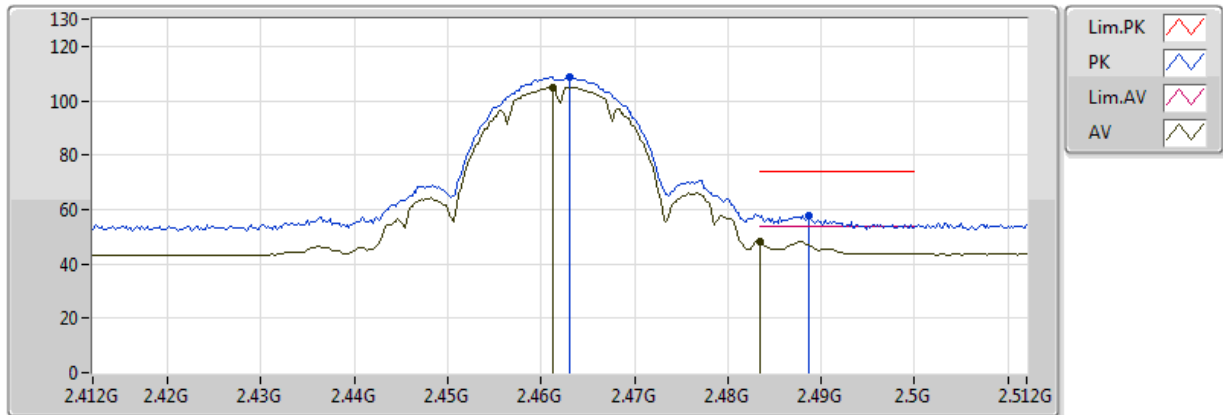


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4638G   | 104.68        | Inf           | -Inf       | 31.01      | 3       | V         | 322        | 3.23      | -        |
| AV   | 2.483502G | 48.86         | 54.00         | -5.14      | 31.07      | 3       | V         | 322        | 3.23      | -        |
| PK   | 2.463G    | 108.69        | Inf           | -Inf       | 31.00      | 3       | V         | 322        | 3.23      | -        |
| PK   | 2.4836G   | 58.25         | 74.00         | -15.75     | 31.07      | 3       | V         | 322        | 3.23      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

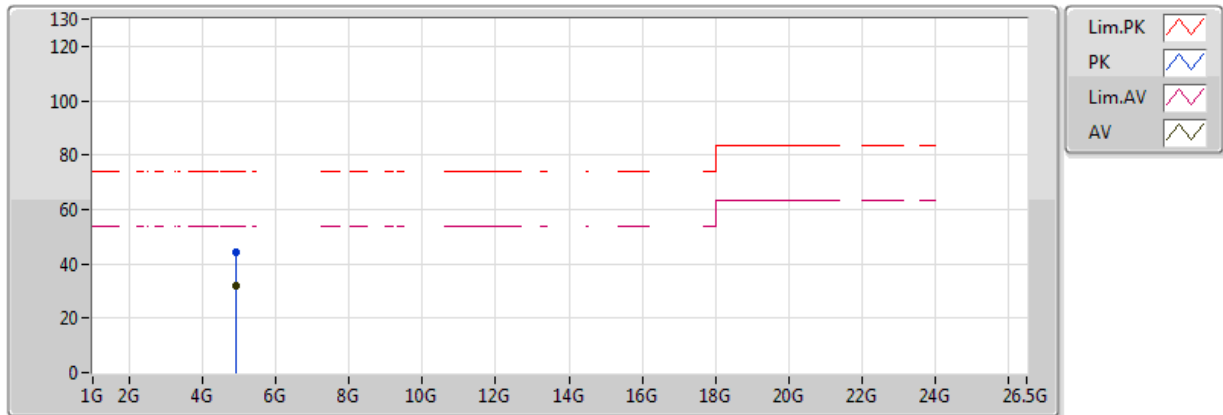


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4612G   | 104.78        | Inf           | -Inf       | 31.00      | 3       | H         | 223        | 1.50      | -        |
| AV   | 2.483502G | 48.43         | 54.00         | -5.57      | 31.07      | 3       | H         | 223        | 1.50      | -        |
| PK   | 2.463G    | 108.77        | Inf           | -Inf       | 31.00      | 3       | H         | 223        | 1.50      | -        |
| PK   | 2.4886G   | 57.61         | 74.00         | -16.39     | 31.09      | 3       | H         | 223        | 1.50      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

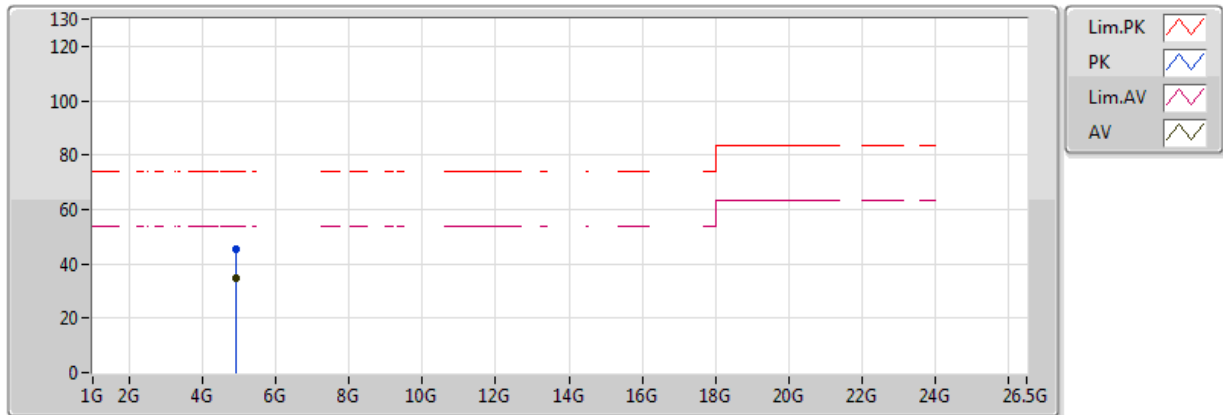


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.924G   | 31.77         | 54.00         | -22.23     | 2.31       | 3       | V         | 125        | 3.56      | -        |
| PK   | 4.924G   | 44.39         | 74.00         | -29.61     | 2.31       | 3       | V         | 125        | 3.56      | -        |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

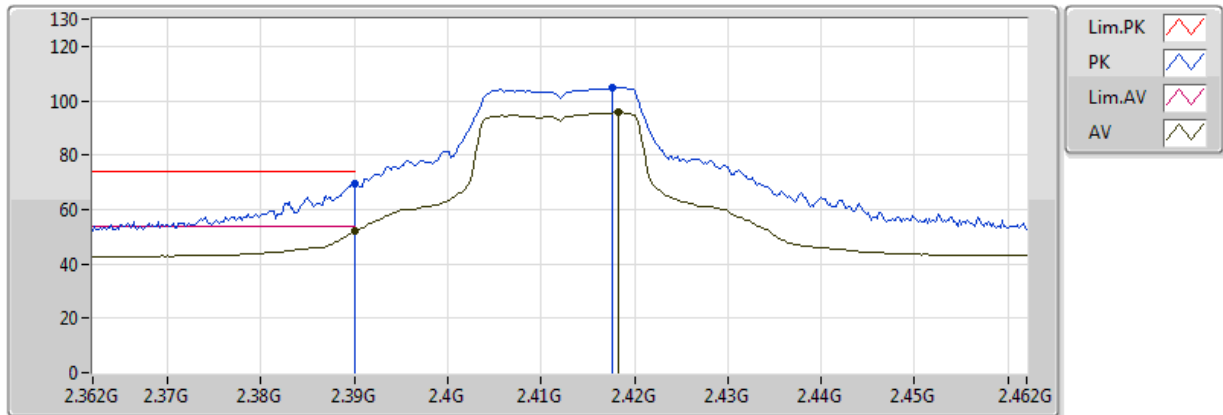


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.924G   | 34.79         | 54.00         | -19.21     | 2.31       | 3       | H         | 24         | 1.68      | -        |
| PK   | 4.924G   | 45.63         | 74.00         | -28.37     | 2.31       | 3       | H         | 24         | 1.68      | -        |

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

### 2412MHz\_TX

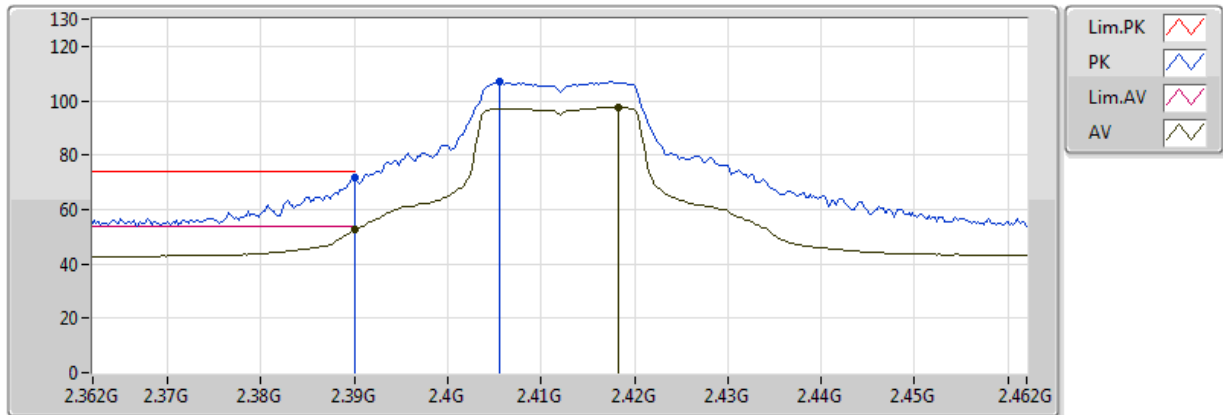


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.39G    | 51.99         | 54.00         | -2.01      | 30.76      | 3       | V         | 150        | 2.40      | -        |
| AV   | 2.4182G  | 95.77         | Inf           | -Inf       | 30.85      | 3       | V         | 150        | 2.40      | -        |
| PK   | 2.39G    | 69.69         | 74.00         | -4.31      | 30.76      | 3       | V         | 150        | 2.40      | -        |
| PK   | 2.4176G  | 104.93        | Inf           | -Inf       | 30.85      | 3       | V         | 150        | 2.40      | -        |

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

### 2412MHz\_TX

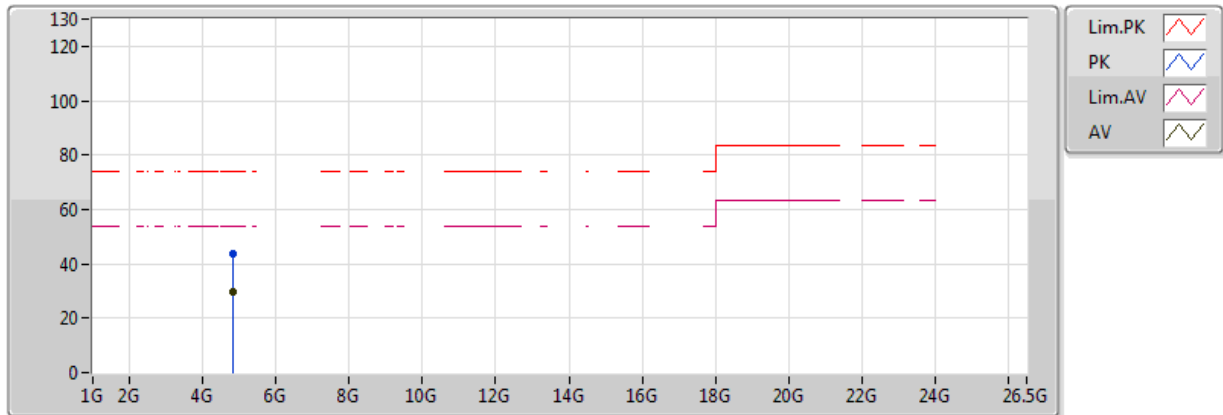


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.39G    | 52.56         | 54.00         | -1.44      | 30.76      | 3       | H         | 226        | 2.13      | -        |
| AV   | 2.4182G  | 97.66         | Inf           | -Inf       | 30.85      | 3       | H         | 226        | 2.13      | -        |
| PK   | 2.39G    | 71.48         | 74.00         | -2.52      | 30.76      | 3       | H         | 226        | 2.13      | -        |
| PK   | 2.4056G  | 107.03        | Inf           | -Inf       | 30.81      | 3       | H         | 226        | 2.13      | -        |

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

### 2412MHz\_TX

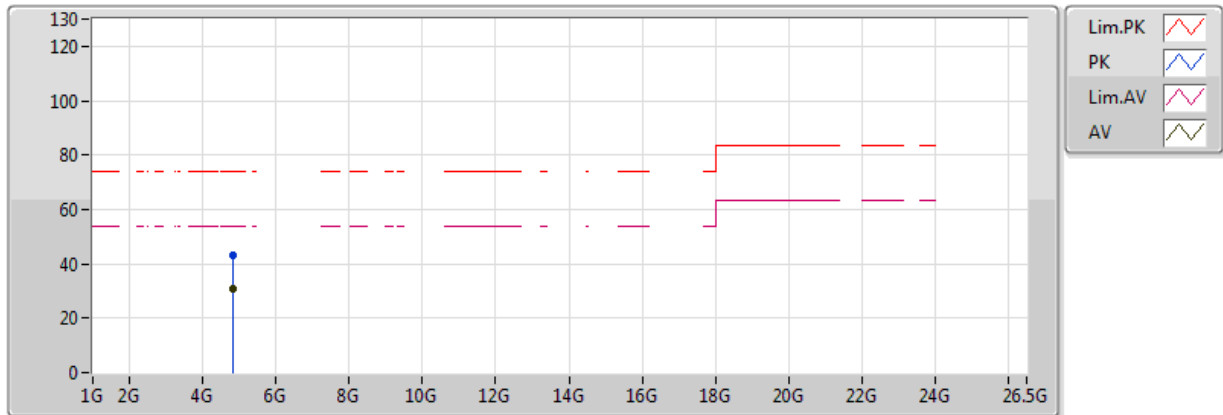


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.824G   | 29.69         | 54.00         | -24.31     | 2.03       | 3       | V         | 0          | 1.50      | -        |
| PK   | 4.824G   | 43.67         | 74.00         | -30.33     | 2.03       | 3       | V         | 0          | 1.50      | -        |

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

### 2412MHz\_TX

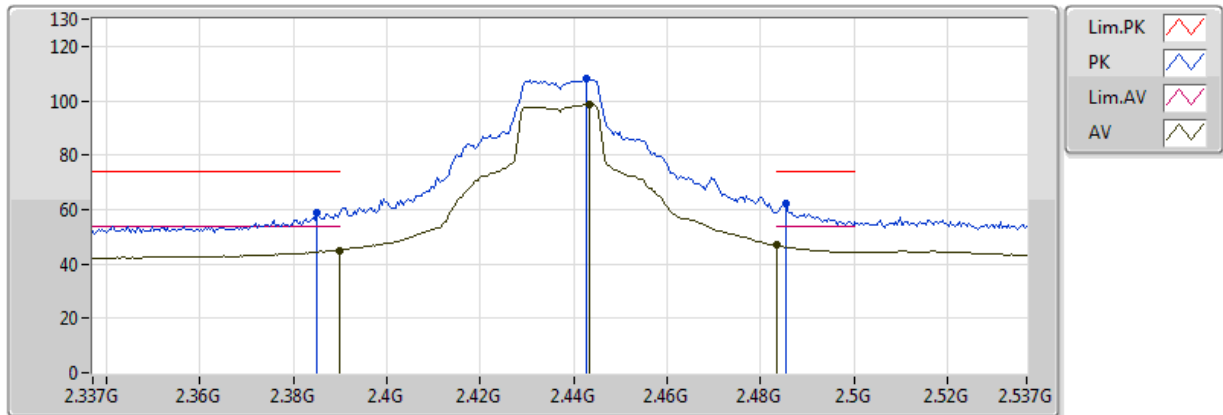


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.824G   | 30.64         | 54.00         | -23.36     | 2.03       | 3       | H         | 303        | 1.50      | -        |
| PK   | 4.824G   | 43.03         | 74.00         | -30.97     | 2.03       | 3       | H         | 303        | 1.50      | -        |

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

### 2437MHz\_TX

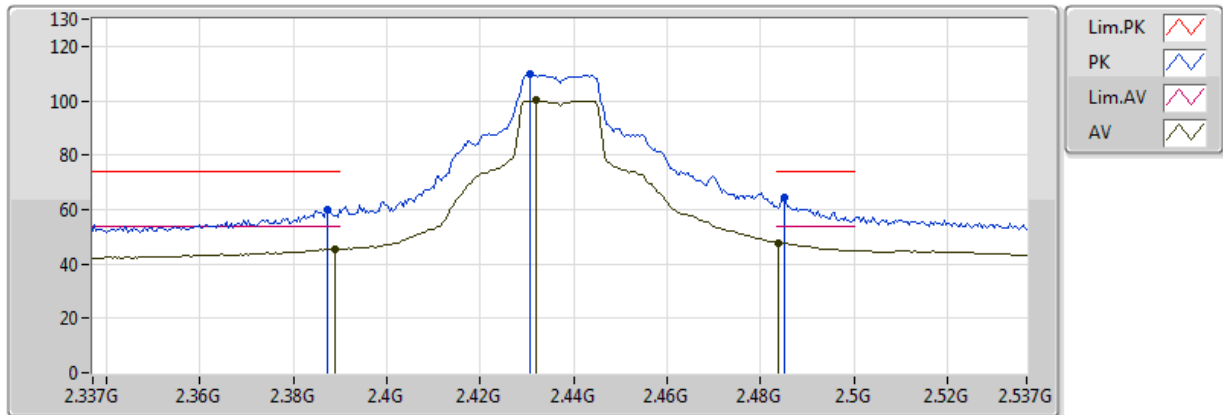


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.389998G | 45.02         | 54.00         | -8.98      | 30.76      | 3       | V         | 153        | 2.65      | -        |
| AV   | 2.4434G   | 98.63         | Inf           | -Inf       | 30.94      | 3       | V         | 153        | 2.65      | -        |
| AV   | 2.483502G | 46.79         | 54.00         | -7.21      | 31.07      | 3       | V         | 153        | 2.65      | -        |
| PK   | 2.385G    | 58.58         | 74.00         | -15.42     | 30.74      | 3       | V         | 153        | 2.65      | -        |
| PK   | 2.4426G   | 107.91        | Inf           | -Inf       | 30.93      | 3       | V         | 153        | 2.65      | -        |
| PK   | 2.4854G   | 61.93         | 74.00         | -12.07     | 31.08      | 3       | V         | 153        | 2.65      | -        |

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

### 2437MHz\_TX

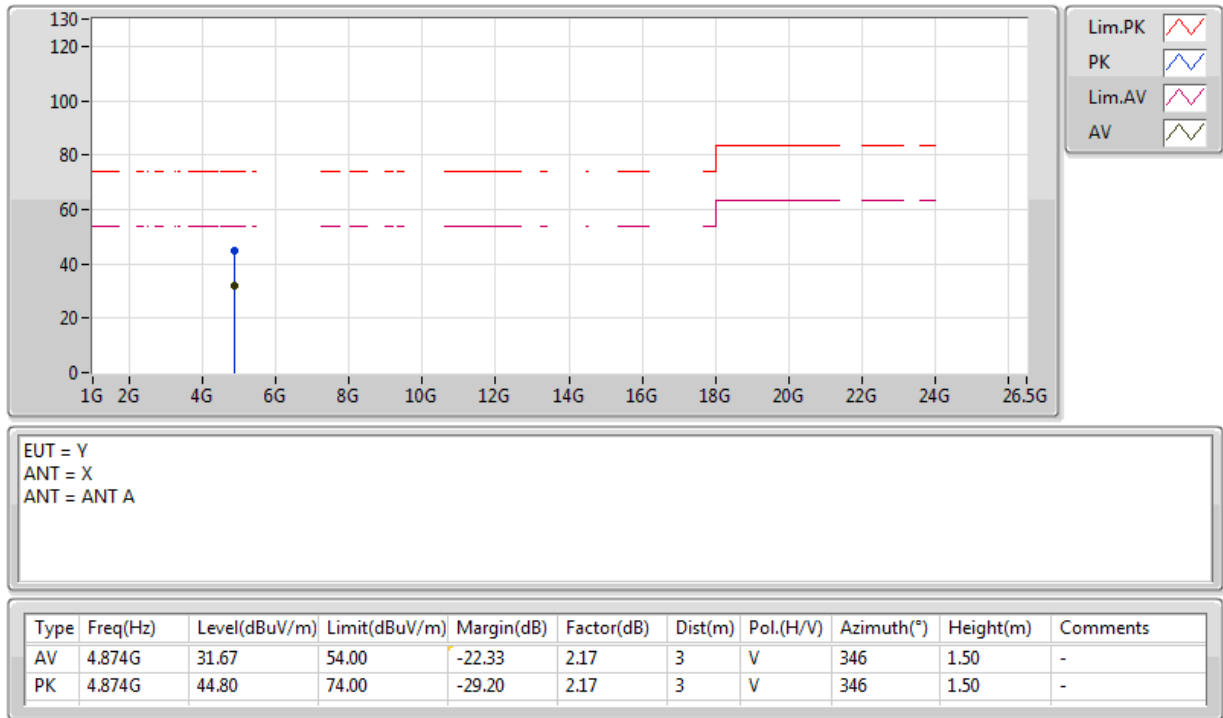


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.389G   | 45.42         | 54.00         | -8.58      | 30.75      | 3       | H         | 32         | 1.50      | -        |
| AV   | 2.4318G  | 100.07        | Inf           | -Inf       | 30.90      | 3       | H         | 32         | 1.50      | -        |
| AV   | 2.4838G  | 47.89         | 54.00         | -6.11      | 31.07      | 3       | H         | 32         | 1.50      | -        |
| PK   | 2.3874G  | 60.03         | 74.00         | -13.97     | 30.75      | 3       | H         | 32         | 1.50      | -        |
| PK   | 2.4306G  | 110.08        | Inf           | -Inf       | 30.89      | 3       | H         | 32         | 1.50      | -        |
| PK   | 2.485G   | 64.70         | 74.00         | -9.30      | 31.08      | 3       | H         | 32         | 1.50      | -        |

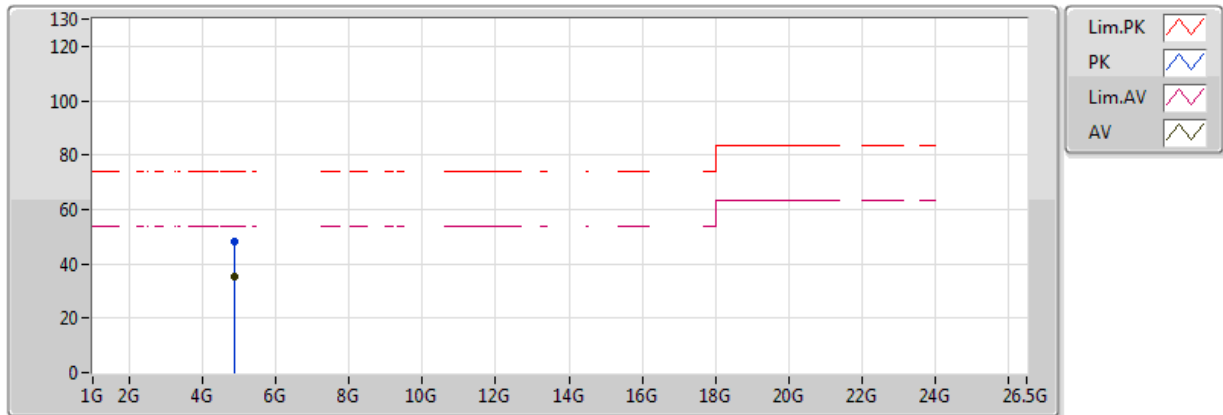
## 802.11g\_(6Mbps)\_1TX

### 2437MHz\_TX



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

### 2437MHz\_TX

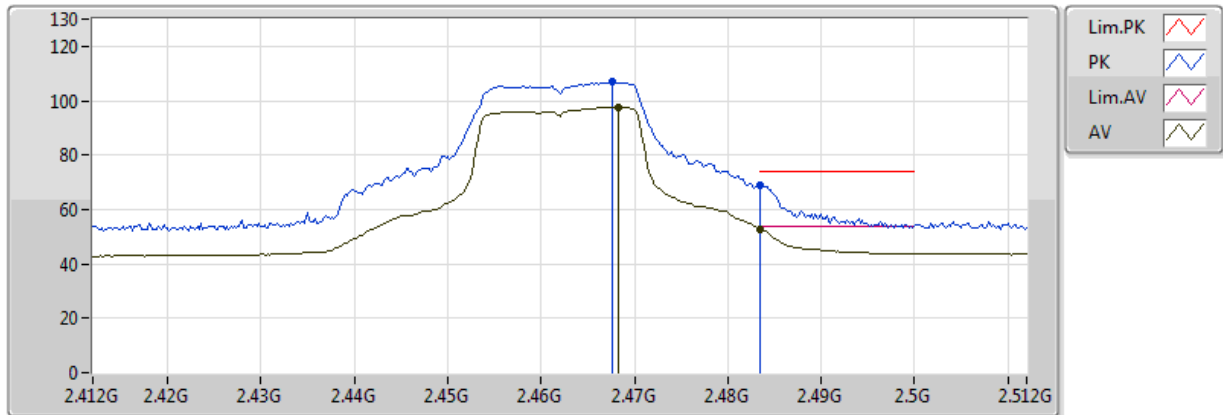


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.874G   | 35.38         | 54.00         | -18.62     | 2.17       | 3       | H         | 43         | 1.50      | -        |
| PK   | 4.874G   | 48.17         | 74.00         | -25.83     | 2.17       | 3       | H         | 43         | 1.50      | -        |

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

### 2462MHz\_TX

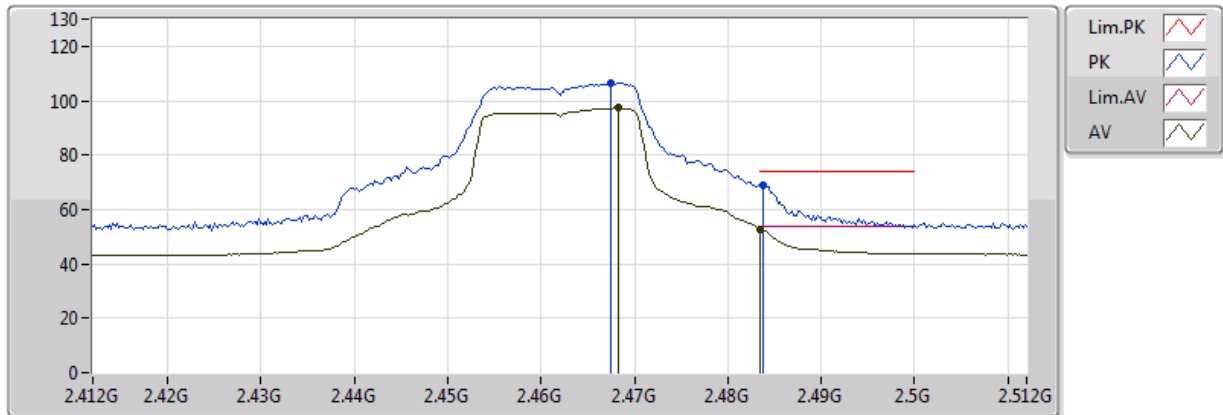


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4682G   | 97.77         | Inf           | -Inf       | 31.02      | 3       | V         | 323        | 3.24      | -        |
| AV   | 2.483502G | 52.87         | 54.00         | -1.13      | 31.07      | 3       | V         | 323        | 3.24      | -        |
| PK   | 2.4676G   | 107.04        | Inf           | -Inf       | 31.02      | 3       | V         | 323        | 3.24      | -        |
| PK   | 2.483502G | 68.94         | 74.00         | -5.06      | 31.07      | 3       | V         | 323        | 3.24      | -        |

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

### 2462MHz\_TX

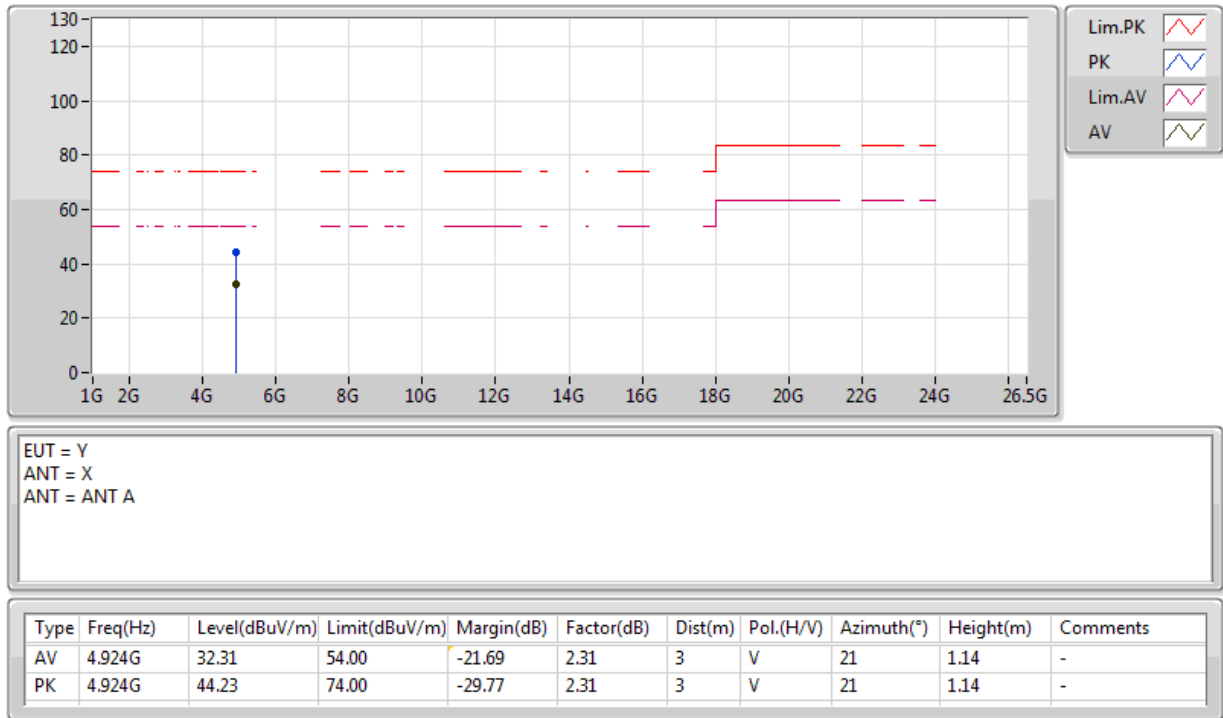


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4682G   | 97.41         | Inf           | -Inf       | 31.02      | 3       | H         | 225        | 2.13      | -        |
| AV   | 2.483502G | 52.85         | 54.00         | -1.15      | 31.07      | 3       | H         | 225        | 2.13      | -        |
| PK   | 2.4674G   | 106.63        | Inf           | -Inf       | 31.02      | 3       | H         | 225        | 2.13      | -        |
| PK   | 2.4838G   | 68.78         | 74.00         | -5.22      | 31.07      | 3       | H         | 225        | 2.13      | -        |

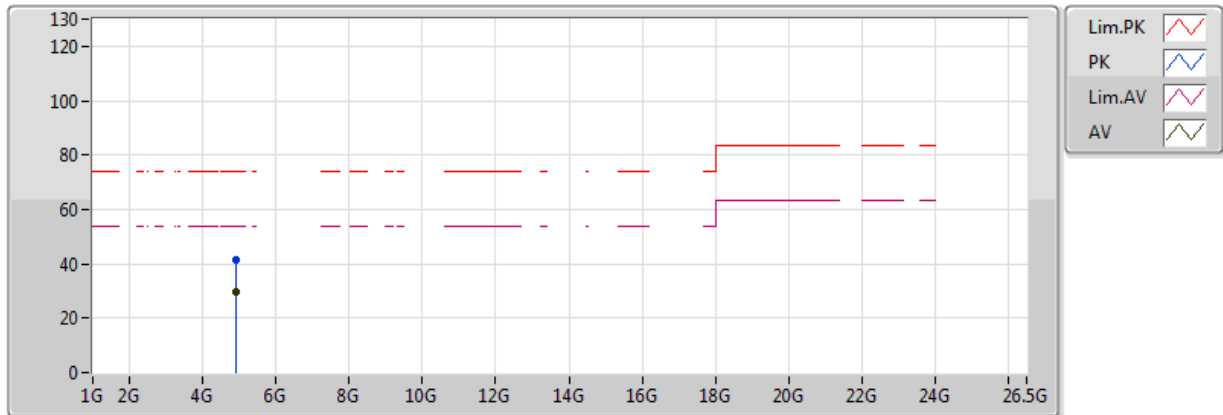
## 802.11g\_(6Mbps)\_1TX

### 2462MHz\_TX



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

### 2462MHz\_TX

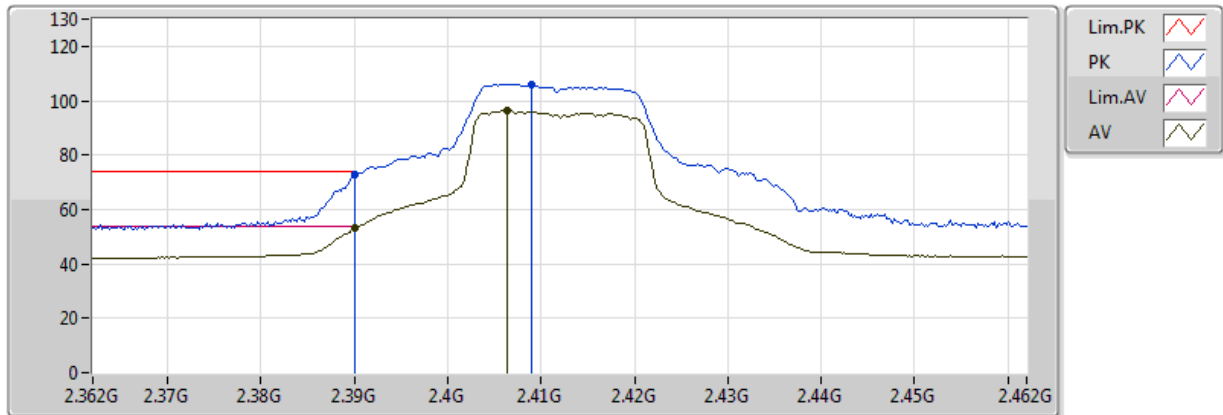


EUT = Y  
ANT = X  
ANT = ANT A

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.924G   | 29.84         | 54.00         | -24.16     | 2.31       | 3       | H         | 0          | 1.50      | -        |
| PK   | 4.924G   | 41.45         | 74.00         | -32.55     | 2.31       | 3       | H         | 0          | 1.50      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2412MHz\_TX

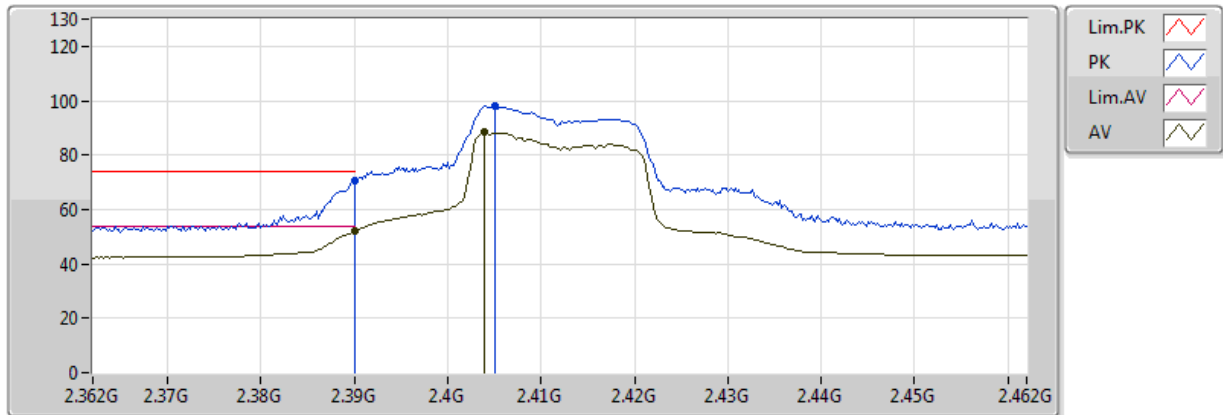


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4064G  | 96.36         | Inf           | -Inf       | 30.81      | 3       | V         | 294        | 3.67      | -        |
| AV   | 2.39G    | 53.05         | 54.00         | -0.95      | 30.76      | 3       | V         | 294        | 3.67      | -        |
| PK   | 2.409G   | 106.11        | Inf           | -Inf       | 30.82      | 3       | V         | 294        | 3.67      | -        |
| PK   | 2.39G    | 72.95         | 74.00         | -1.05      | 30.76      | 3       | V         | 294        | 3.67      | -        |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

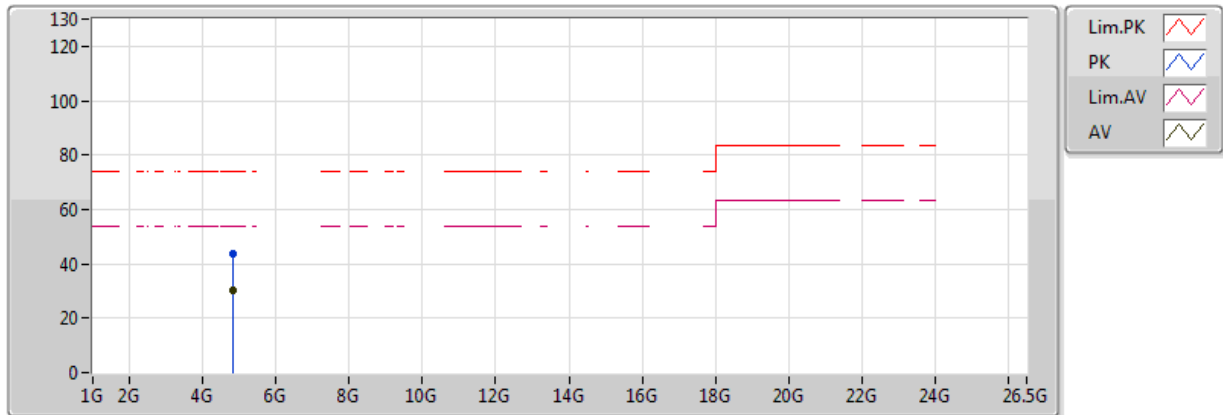


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.404G   | 88.27         | Inf           | -Inf       | 30.80      | 3       | H         | 229        | 1.17      | -        |
| AV   | 2.39G    | 52.05         | 54.00         | -1.95      | 30.76      | 3       | H         | 229        | 1.17      | -        |
| PK   | 2.405G   | 97.91         | Inf           | -Inf       | 30.81      | 3       | H         | 229        | 1.17      | -        |
| PK   | 2.39G    | 70.81         | 74.00         | -3.19      | 30.76      | 3       | H         | 229        | 1.17      | -        |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

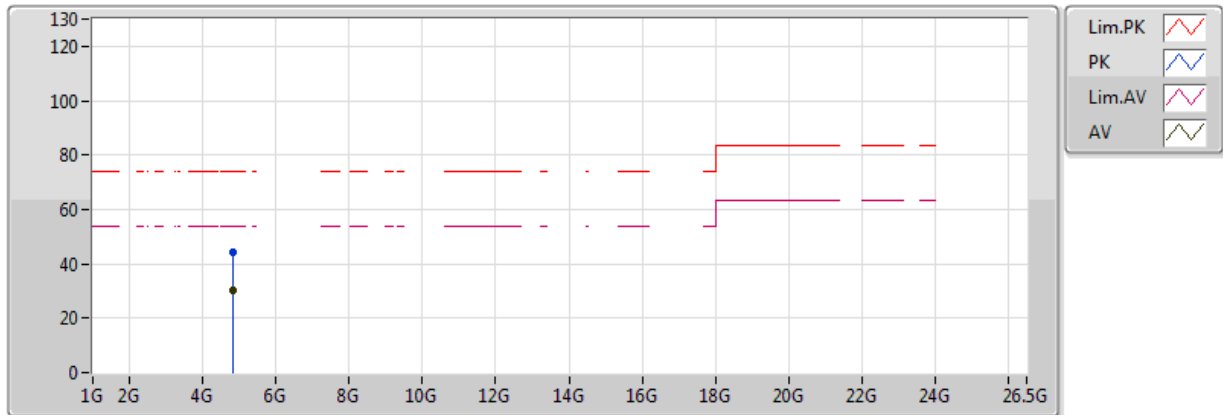


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.824G   | 30.28         | 54.00         | -23.72     | 2.03       | 3       | V         | 0          | 1.50      | -        |
| PK   | 4.824G   | 43.91         | 74.00         | -30.09     | 2.03       | 3       | V         | 0          | 1.50      | -        |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

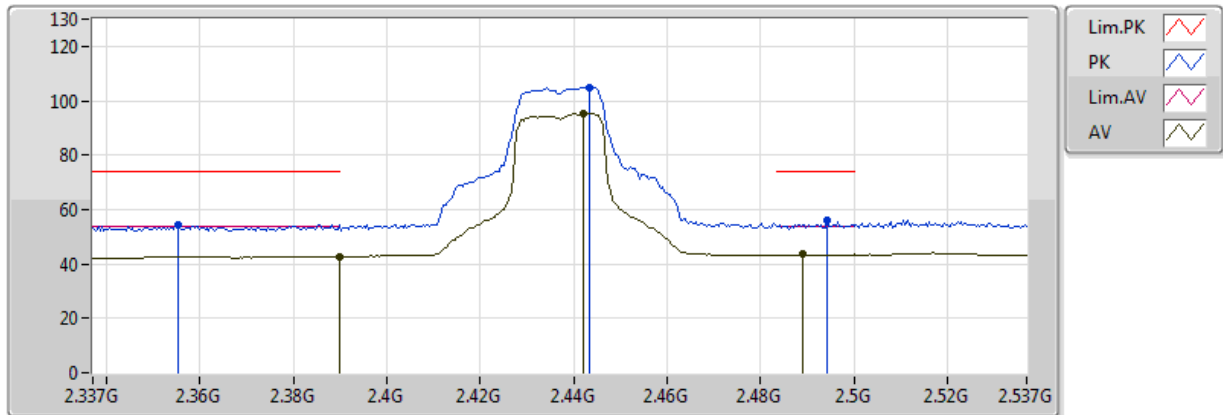


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.824G   | 30.44         | 54.00         | -23.56     | 2.03       | 3       | H         | 360        | 1.50      | -        |
| PK   | 4.824G   | 44.01         | 74.00         | -29.99     | 2.03       | 3       | H         | 360        | 1.50      | -        |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

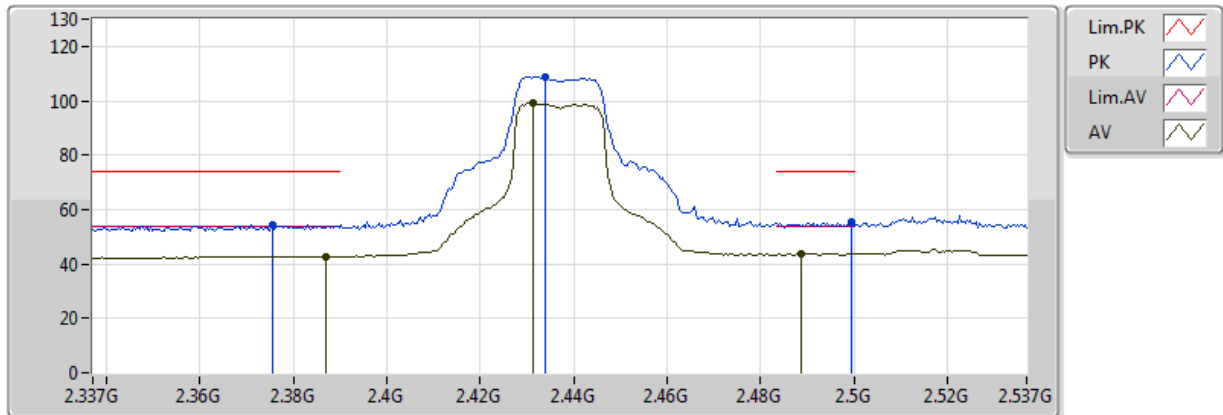


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4422G   | 95.47         | Inf           | -Inf       | 30.93      | 3       | V         | 38         | 1.09      | -        |
| AV   | 2.389998G | 42.74         | 54.00         | -11.26     | 30.76      | 3       | V         | 38         | 1.09      | -        |
| AV   | 2.489G    | 43.44         | 54.00         | -10.56     | 31.09      | 3       | V         | 38         | 1.09      | -        |
| PK   | 2.4434G   | 104.99        | Inf           | -Inf       | 30.94      | 3       | V         | 38         | 1.09      | -        |
| PK   | 2.3554G   | 54.31         | 74.00         | -19.69     | 30.64      | 3       | V         | 38         | 1.09      | -        |
| PK   | 2.4942G   | 55.76         | 74.00         | -18.24     | 31.11      | 3       | V         | 38         | 1.09      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

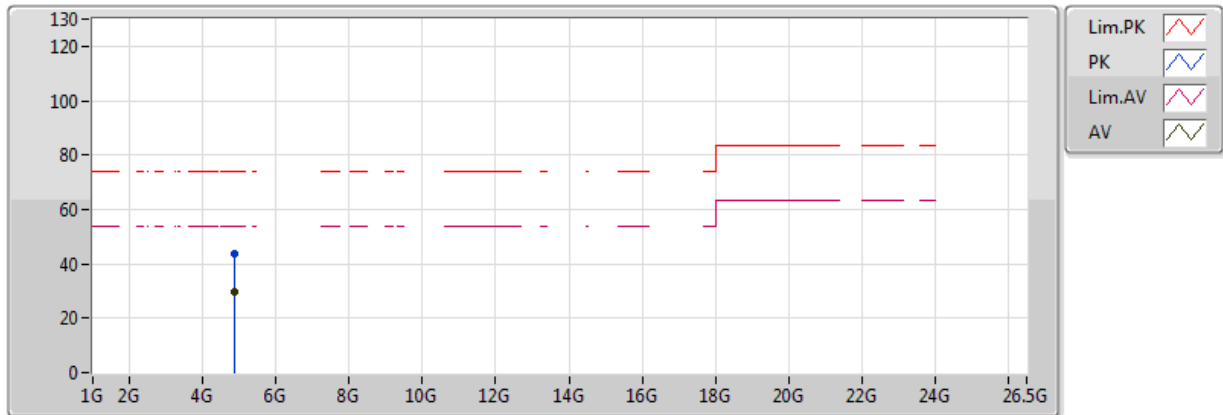


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4314G  | 99.27         | Inf           | -Inf       | 30.90      | 3       | H         | 29         | 1.50      | -        |
| AV   | 2.387G   | 42.83         | 54.00         | -11.17     | 30.75      | 3       | H         | 29         | 1.50      | -        |
| AV   | 2.4886G  | 43.59         | 54.00         | -10.41     | 31.09      | 3       | H         | 29         | 1.50      | -        |
| PK   | 2.4338G  | 108.97        | Inf           | -Inf       | 30.90      | 3       | H         | 29         | 1.50      | -        |
| PK   | 2.3754G  | 54.30         | 74.00         | -19.70     | 30.71      | 3       | H         | 29         | 1.50      | -        |
| PK   | 2.4994G  | 55.22         | 74.00         | -18.78     | 31.13      | 3       | H         | 29         | 1.50      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

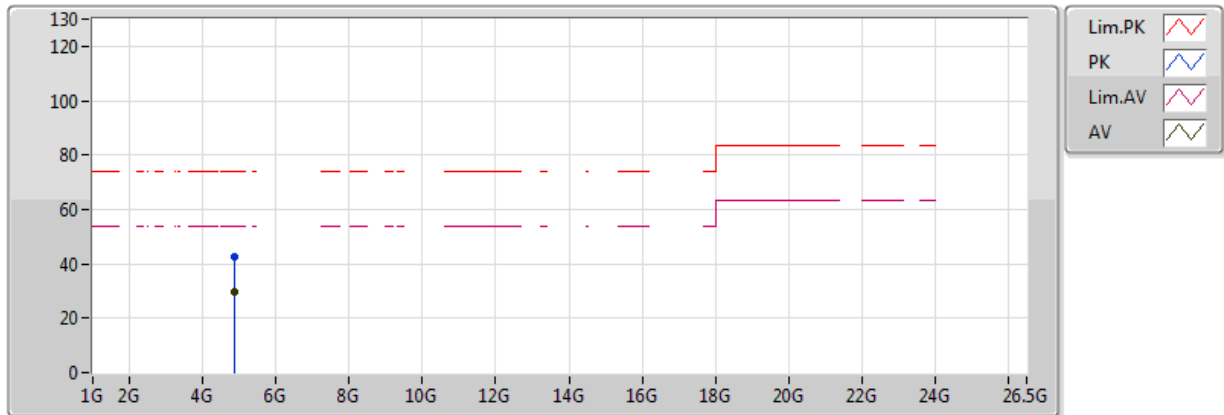


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.874G   | 29.91         | 54.00         | -24.09     | 2.17       | 3       | V         | 360        | 1.50      | -        |
| PK   | 4.874G   | 43.71         | 74.00         | -30.29     | 2.17       | 3       | V         | 360        | 1.50      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

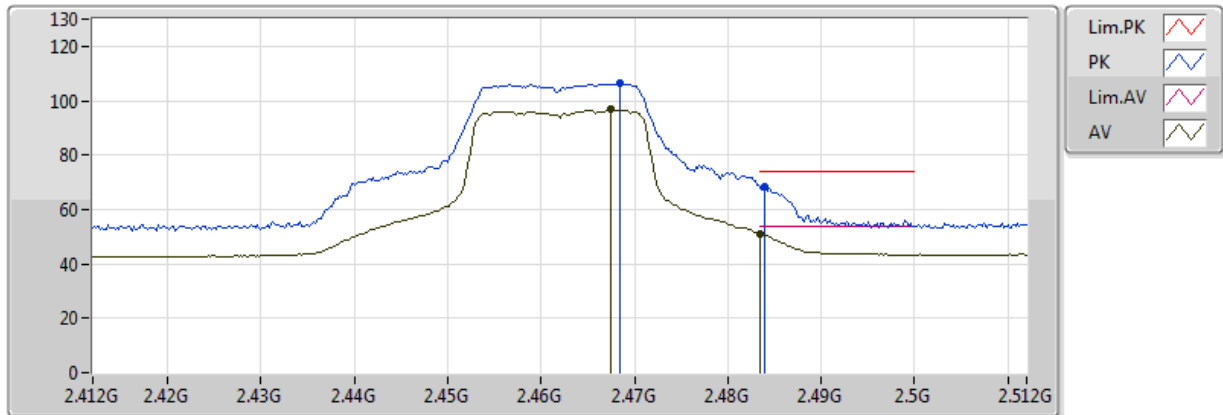


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.874G   | 29.77         | 54.00         | -24.23     | 2.17       | 3       | H         | 0          | 1.50      | -        |
| PK   | 4.874G   | 42.73         | 74.00         | -31.27     | 2.17       | 3       | H         | 0          | 1.50      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2462MHz\_TX

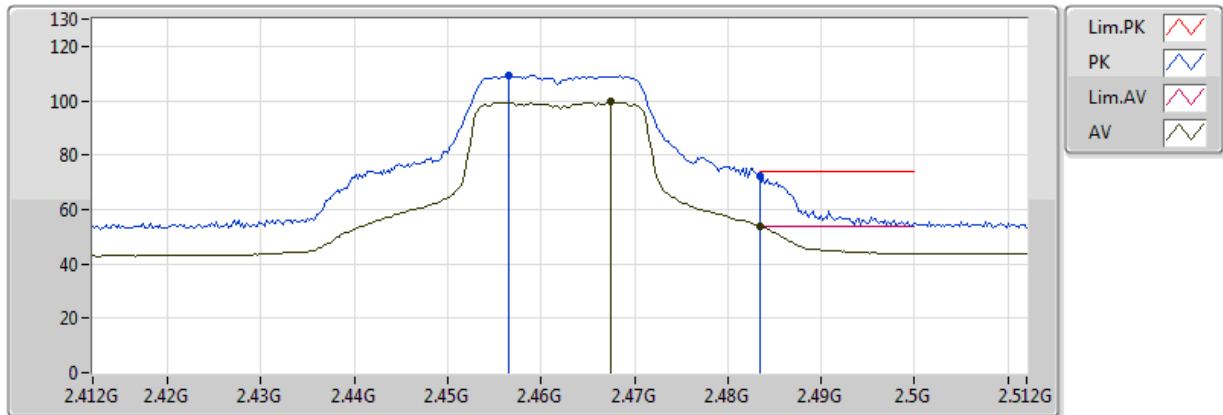


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4674G   | 96.74         | Inf           | -Inf       | 31.02      | 3       | V         | 220        | 3.38      | -        |
| AV   | 2.483502G | 51.01         | 54.00         | -2.99      | 31.07      | 3       | V         | 220        | 3.38      | -        |
| PK   | 2.4684G   | 106.32        | Inf           | -Inf       | 31.02      | 3       | V         | 220        | 3.38      | -        |
| PK   | 2.484G    | 68.61         | 74.00         | -5.39      | 31.08      | 3       | V         | 220        | 3.38      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2462MHz\_TX

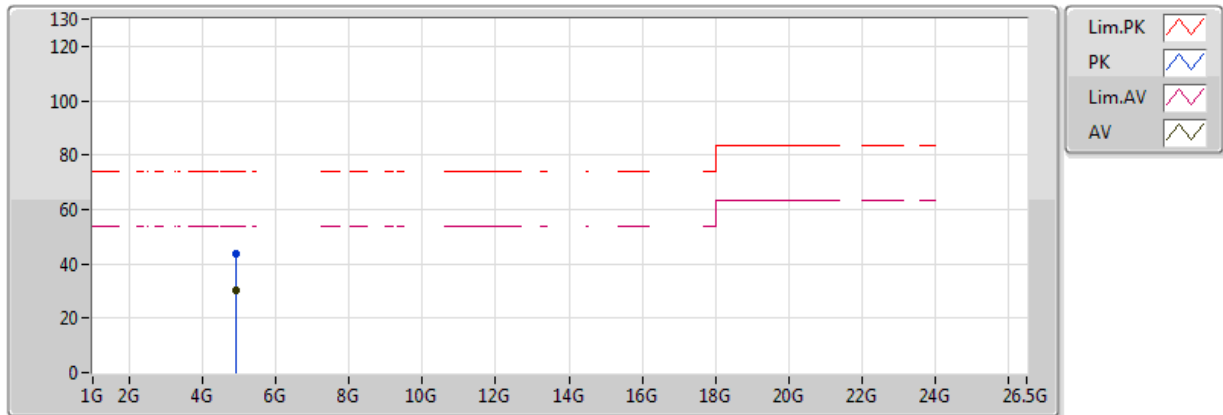


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4674G   | 99.51         | Inf           | -Inf       | 31.02      | 3       | H         | 310        | 1.18      | -        |
| AV   | 2.483502G | 53.72         | 54.00         | -0.28      | 31.07      | 3       | H         | 310        | 1.18      | -        |
| PK   | 2.4566G   | 109.08        | Inf           | -Inf       | 30.98      | 3       | H         | 310        | 1.18      | -        |
| PK   | 2.483502G | 72.05         | 74.00         | -1.95      | 31.07      | 3       | H         | 310        | 1.18      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2462MHz\_TX

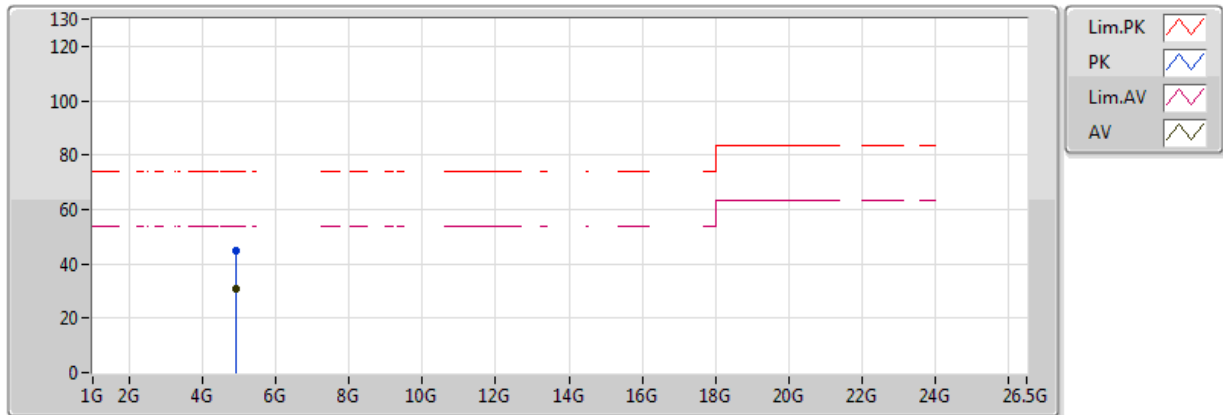


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.924G   | 30.30         | 54.00         | -23.70     | 2.31       | 3       | V         | 0          | 1.50      | -        |
| PK   | 4.924G   | 43.65         | 74.00         | -30.35     | 2.31       | 3       | V         | 0          | 1.50      | -        |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2462MHz\_TX

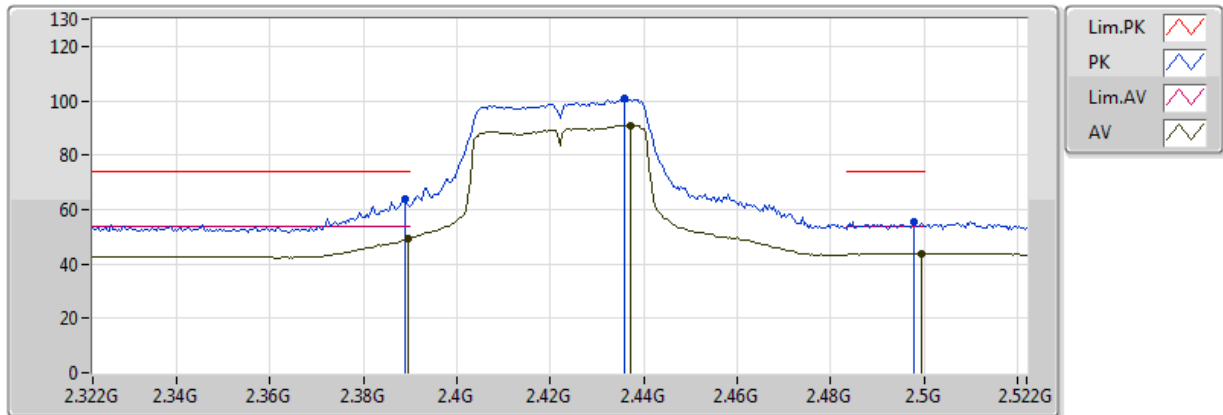


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.924G   | 30.62         | 54.00         | -23.38     | 2.31       | 3       | H         | 360        | 1.50      | -        |
| PK   | 4.924G   | 44.65         | 74.00         | -29.35     | 2.31       | 3       | H         | 360        | 1.50      | -        |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

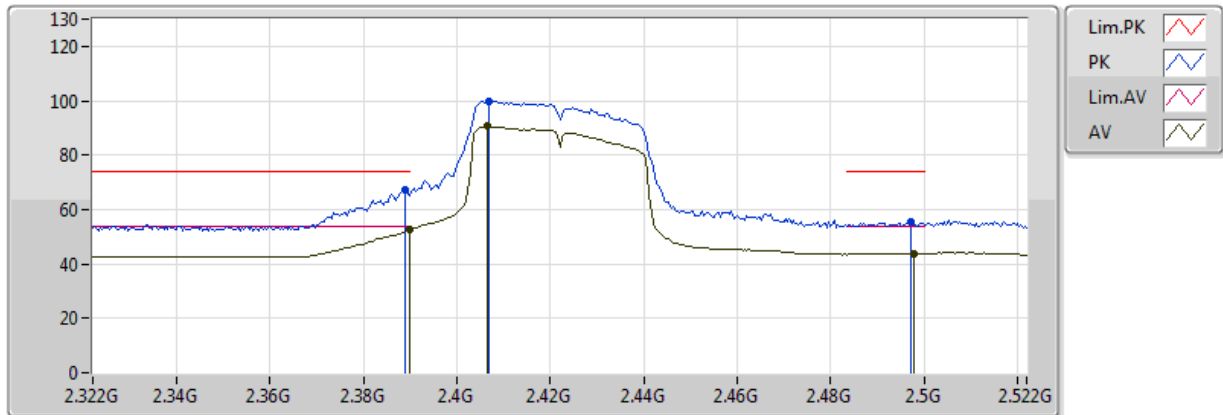


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4372G  | 90.97         | Inf           | -Inf       | 30.92      | 3       | V         | 38         | 1.14      | -        |
| AV   | 2.3896G  | 49.13         | 54.00         | -4.87      | 30.76      | 3       | V         | 38         | 1.14      | -        |
| AV   | 2.4996G  | 43.82         | 54.00         | -10.18     | 31.13      | 3       | V         | 38         | 1.14      | -        |
| PK   | 2.436G   | 100.70        | Inf           | -Inf       | 30.91      | 3       | V         | 38         | 1.14      | -        |
| PK   | 2.3888G  | 63.98         | 74.00         | -10.02     | 30.75      | 3       | V         | 38         | 1.14      | -        |
| PK   | 2.498G   | 55.30         | 74.00         | -18.70     | 31.12      | 3       | V         | 38         | 1.14      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2422MHz\_TX

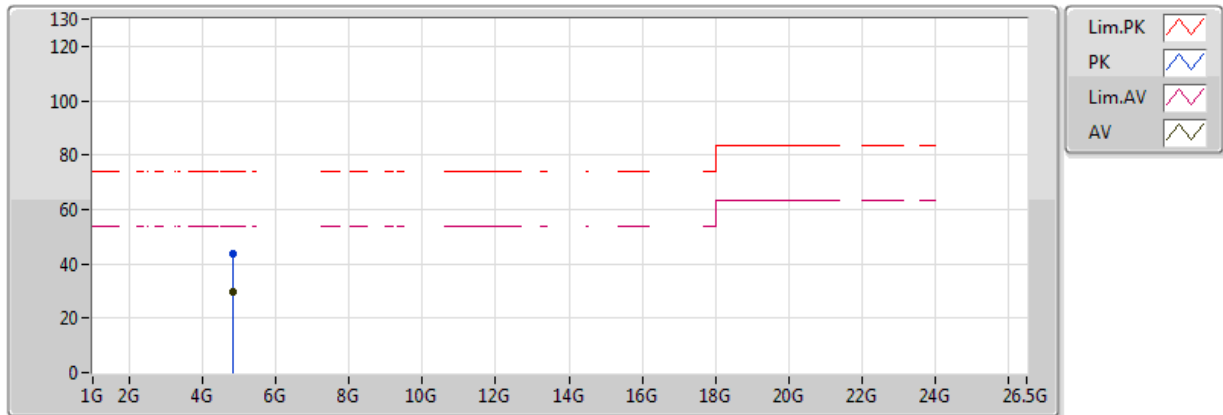


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4064G  | 90.50         | Inf           | -Inf       | 30.81      | 3       | H         | 229        | 1.34      | -        |
| AV   | 2.39G    | 52.60         | 54.00         | -1.40      | 30.76      | 3       | H         | 229        | 1.34      | -        |
| AV   | 2.498G   | 43.96         | 54.00         | -10.04     | 31.12      | 3       | H         | 229        | 1.34      | -        |
| PK   | 2.4068G  | 99.98         | Inf           | -Inf       | 30.81      | 3       | H         | 229        | 1.34      | -        |
| PK   | 2.3888G  | 67.41         | 74.00         | -6.59      | 30.75      | 3       | H         | 229        | 1.34      | -        |
| PK   | 2.4972G  | 55.24         | 74.00         | -18.76     | 31.12      | 3       | H         | 229        | 1.34      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2422MHz\_TX

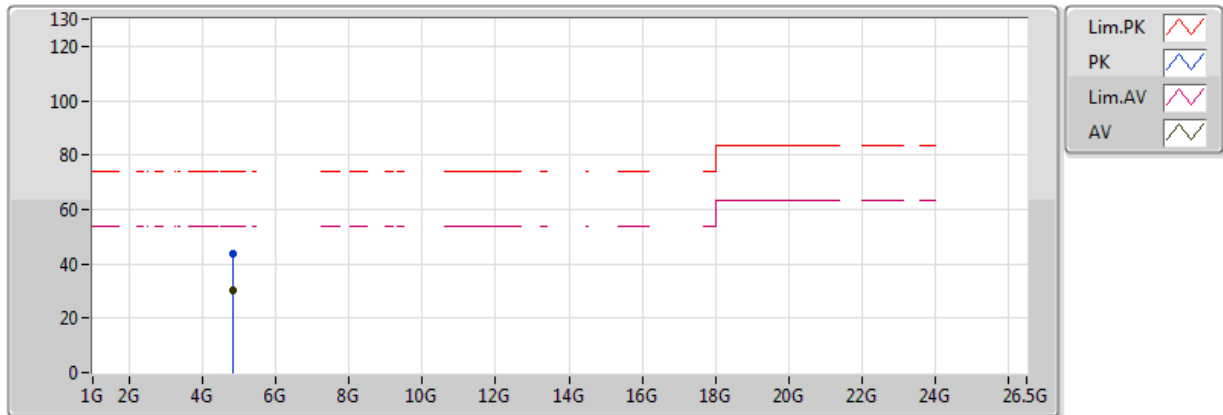


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.844G   | 29.76         | 54.00         | -24.24     | 2.09       | 3       | H         | 360        | 1.50      | -        |
| PK   | 4.844G   | 43.55         | 74.00         | -30.45     | 2.09       | 3       | H         | 360        | 1.50      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2422MHz\_TX

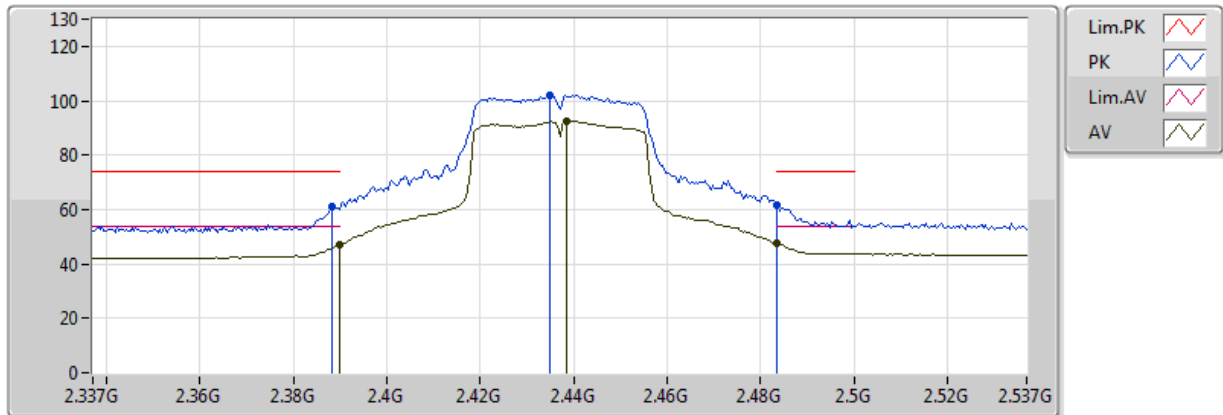


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.844G   | 30.09         | 54.00         | -23.91     | 2.09       | 3       | H         | 0          | 1.50      | -        |
| PK   | 4.844G   | 43.59         | 74.00         | -30.41     | 2.09       | 3       | H         | 0          | 1.50      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

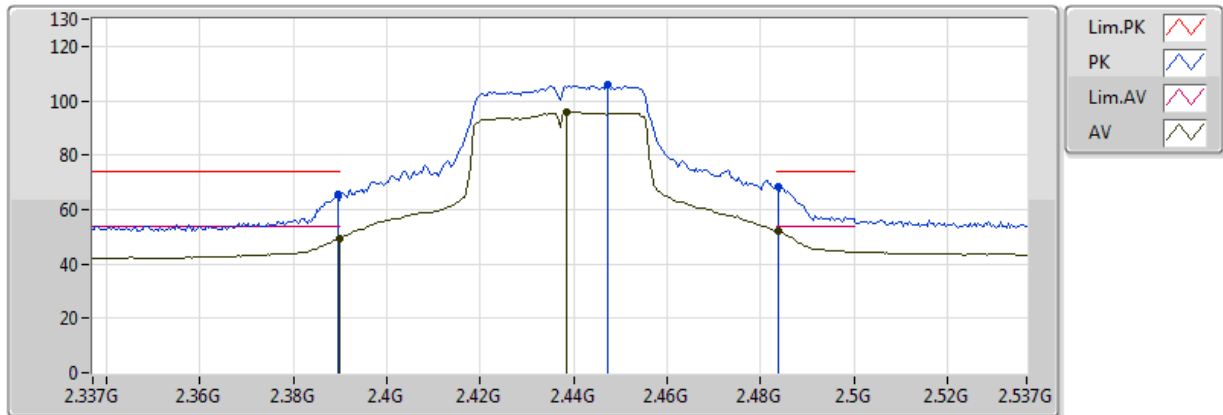


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.389998G | 46.92         | 54.00         | -7.08      | 30.76      | 3       | V         | 309        | 3.63      | -        |
| AV   | 2.4386G   | 92.57         | Inf           | -Inf       | 30.92      | 3       | V         | 309        | 3.63      | -        |
| AV   | 2.483502G | 47.55         | 54.00         | -6.45      | 31.07      | 3       | V         | 309        | 3.63      | -        |
| PK   | 2.3882G   | 60.98         | 74.00         | -13.02     | 30.75      | 3       | V         | 309        | 3.63      | -        |
| PK   | 2.435G    | 102.20        | Inf           | -Inf       | 30.91      | 3       | V         | 309        | 3.63      | -        |
| PK   | 2.483502G | 61.53         | 74.00         | -12.47     | 31.07      | 3       | V         | 309        | 3.63      | -        |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

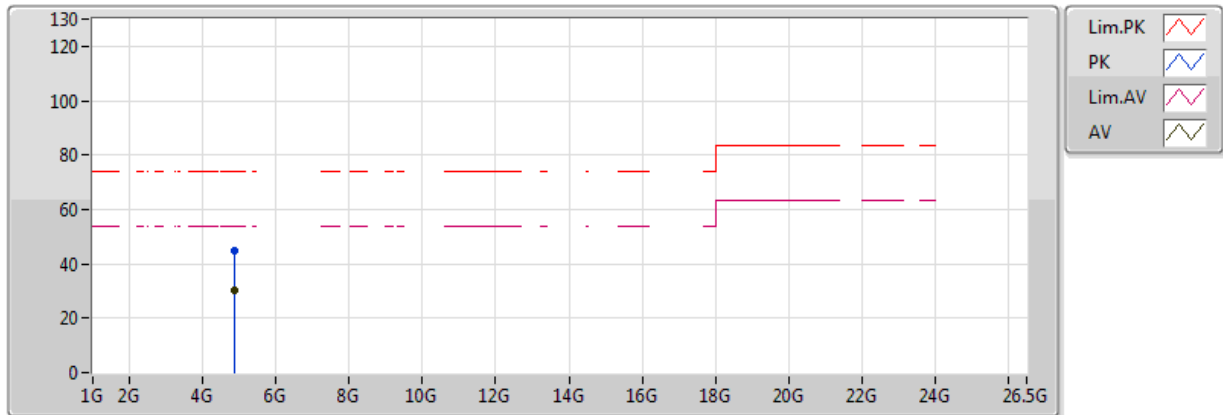


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz)  | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|-----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.389998G | 49.56         | 54.00         | -4.44      | 30.76      | 3       | H         | 228        | 1.26      | -        |
| AV   | 2.4386G   | 95.89         | Inf           | -Inf       | 30.92      | 3       | H         | 228        | 1.26      | -        |
| AV   | 2.4838G   | 52.39         | 54.00         | -1.61      | 31.07      | 3       | H         | 228        | 1.26      | -        |
| PK   | 2.3894G   | 65.30         | 74.00         | -8.70      | 30.76      | 3       | H         | 228        | 1.26      | -        |
| PK   | 2.4474G   | 105.73        | Inf           | -Inf       | 30.95      | 3       | H         | 228        | 1.26      | -        |
| PK   | 2.4838G   | 68.32         | 74.00         | -5.68      | 31.07      | 3       | H         | 228        | 1.26      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

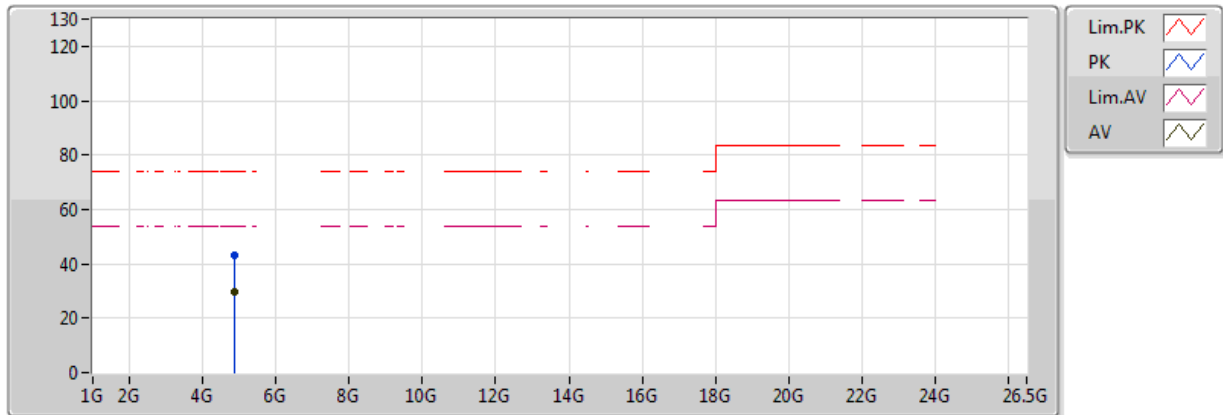


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.874G   | 30.14         | 54.00         | -23.86     | 2.17       | 3       | V         | 0          | 1.50      | -        |
| PK   | 4.874G   | 44.62         | 74.00         | -29.38     | 2.17       | 3       | V         | 0          | 1.50      | -        |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

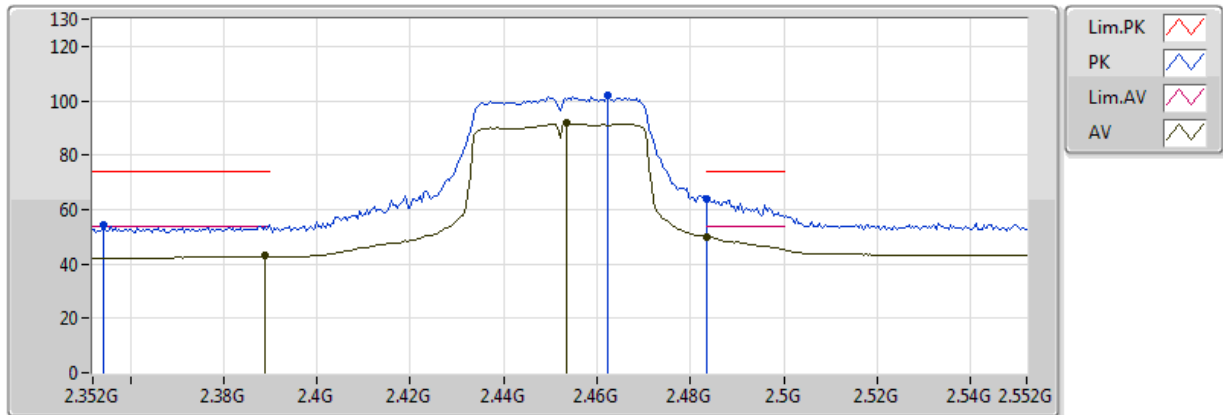


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.874G   | 29.90         | 54.00         | -24.10     | 2.17       | 3       | H         | 360        | 1.50      | -        |
| PK   | 4.874G   | 43.33         | 74.00         | -30.67     | 2.17       | 3       | H         | 360        | 1.50      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2452MHz\_TX

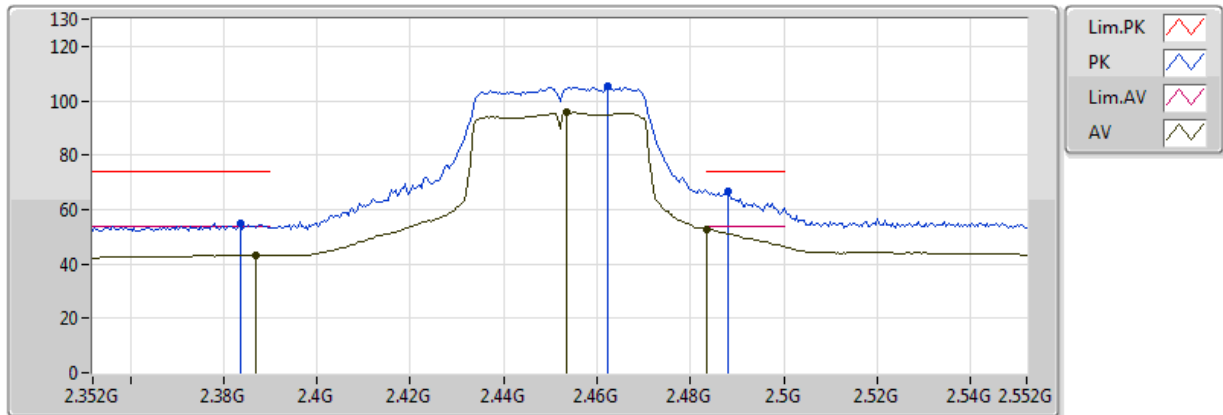


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4536G  | 91.73         | Inf           | -Inf       | 30.97      | 3       | V         | 223        | 3.36      | -        |
| AV   | 2.3888G  | 42.87         | 54.00         | -11.13     | 30.75      | 3       | V         | 223        | 3.36      | -        |
| AV   | 2.4836G  | 49.98         | 54.00         | -4.02      | 31.07      | 3       | V         | 223        | 3.36      | -        |
| PK   | 2.4624G  | 101.74        | Inf           | -Inf       | 31.00      | 3       | V         | 223        | 3.36      | -        |
| PK   | 2.3544G  | 54.25         | 74.00         | -19.75     | 30.64      | 3       | V         | 223        | 3.36      | -        |
| PK   | 2.4836G  | 64.00         | 74.00         | -10.00     | 31.07      | 3       | V         | 223        | 3.36      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2452MHz\_TX

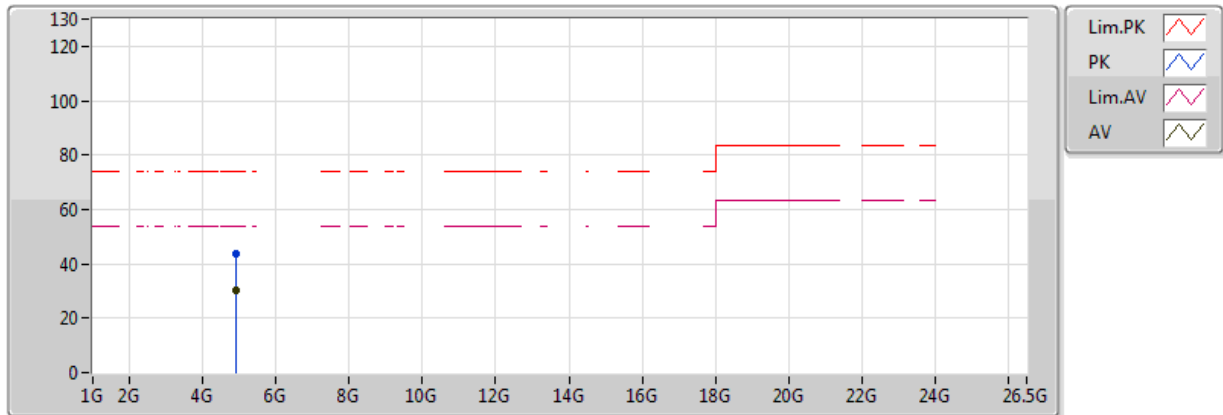


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 2.4536G  | 95.69         | Inf           | -Inf       | 30.97      | 3       | H         | 302        | 2.33      | -        |
| AV   | 2.3868G  | 43.34         | 54.00         | -10.66     | 30.75      | 3       | H         | 302        | 2.33      | -        |
| AV   | 2.4836G  | 52.88         | 54.00         | -1.12      | 31.07      | 3       | H         | 302        | 2.33      | -        |
| PK   | 2.4624G  | 105.23        | Inf           | -Inf       | 31.00      | 3       | H         | 302        | 2.33      | -        |
| PK   | 2.3836G  | 54.67         | 74.00         | -19.33     | 30.74      | 3       | H         | 302        | 2.33      | -        |
| PK   | 2.488G   | 66.88         | 74.00         | -7.12      | 31.09      | 3       | H         | 302        | 2.33      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2452MHz\_TX

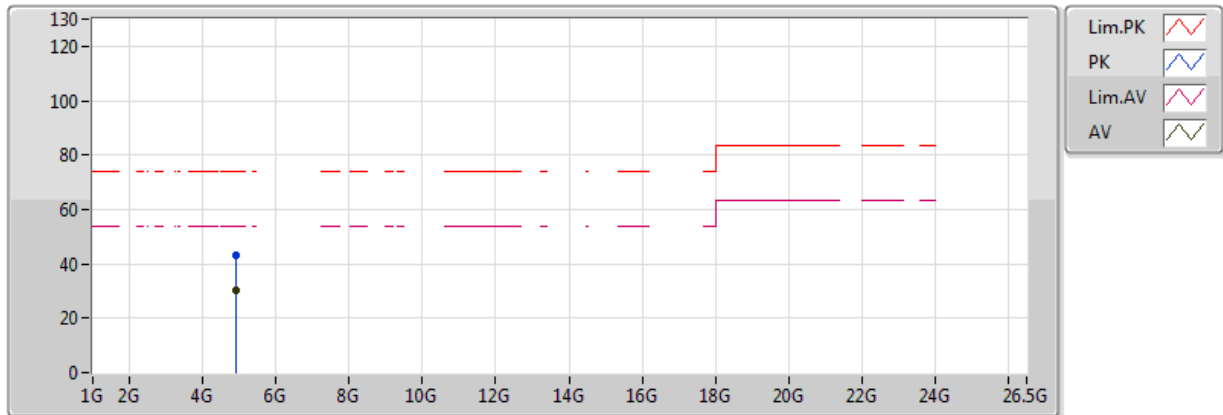


EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.904G   | 30.37         | 54.00         | -23.63     | 2.25       | 3       | V         | 360        | 1.50      | -        |
| PK   | 4.904G   | 43.60         | 74.00         | -30.40     | 2.25       | 3       | V         | 360        | 1.50      | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2452MHz\_TX



EUT = Y  
ANT = X  
ANT = ANT A+ANT B

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|------|----------|---------------|---------------|------------|------------|---------|-----------|------------|-----------|----------|
| AV   | 4.904G   | 30.34         | 54.00         | -23.66     | 2.25       | 3       | H         | 0          | 1.50      | -        |
| PK   | 4.904G   | 43.16         | 74.00         | -30.84     | 2.25       | 3       | H         | 0          | 1.50      | -        |

**Summary**

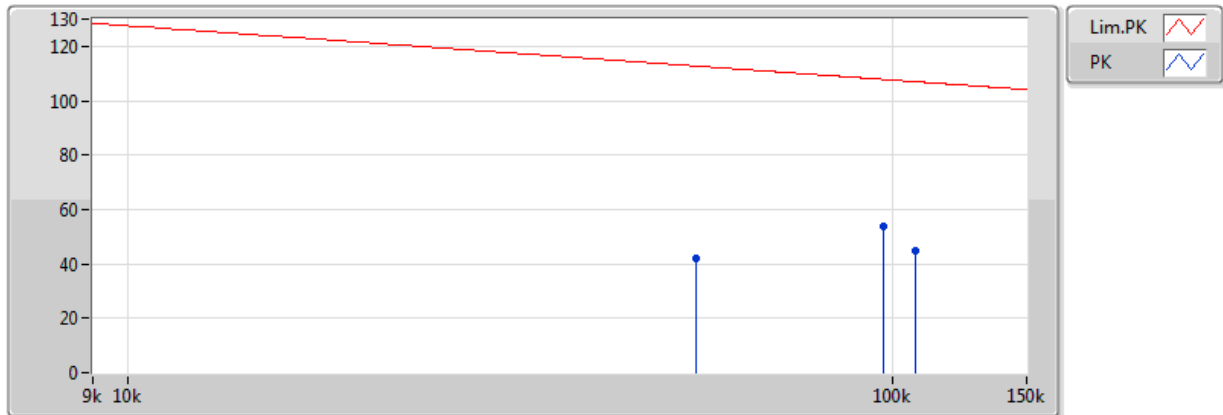
| Mode                         | Result | Type   | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|--------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -      | -            | -                 | -                 | -              | -              | -           | -         | -              | -             | -        |
| 2.4-2.4835GHz                | Fail   | -62.00 | 18.34        | 3                 | Horizontal        | 360            | 1.00           | -           | 26.63     | 21.10          | -2.76         | -        |

**Result**

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 2437MHz                      | Pass   | PK   | 55.53k       | 41.75             | 112.70            | -70.95         | 17.80          | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 97.266k      | 54.07             | 107.84            | -53.76         | 18.28          | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 107.418k     | 44.97             | 106.98            | -62.00         | 18.34          | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 1.1052M      | 46.24             | 66.76             | -20.51         | 19.43          | 3           | Horizontal | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 2.2992M      | 39.72             | 69.50             | -29.78         | 19.46          | 3           | Horizontal | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 16.0899M     | 29.11             | 69.50             | -40.39         | 21.72          | 3           | Horizontal | 0              | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 32M          | 25.44             | 40.00             | -14.56         | -5.96          | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 144.46M      | 30.77             | 43.50             | -12.73         | -10.07         | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 245.34M      | 31.76             | 46.00             | -14.24         | -8.18          | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 334.58M      | 33.80             | 46.00             | -12.20         | -6.01          | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 491.72M      | 36.26             | 46.00             | -9.74          | -2.66          | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 720.64M      | 32.79             | 46.00             | -13.21         | 0.08           | 3           | Horizontal | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 32M          | 23.43             | 40.00             | -16.57         | -5.96          | 3           | Vertical   | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 123.12M      | 32.51             | 43.50             | -10.99         | -8.90          | 3           | Vertical   | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 175.5M       | 29.99             | 43.50             | -13.51         | -11.02         | 3           | Vertical   | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 355.92M      | 32.10             | 46.00             | -13.90         | -5.35          | 3           | Vertical   | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 600.36M      | 35.03             | 46.00             | -10.97         | -1.23          | 3           | Vertical   | 360            | 1.00          | -        |
| 2437MHz                      | Pass   | PK   | 703.18M      | 38.48             | 46.00             | -7.52          | -0.28          | 3           | Vertical   | 360            | 1.00          | -        |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

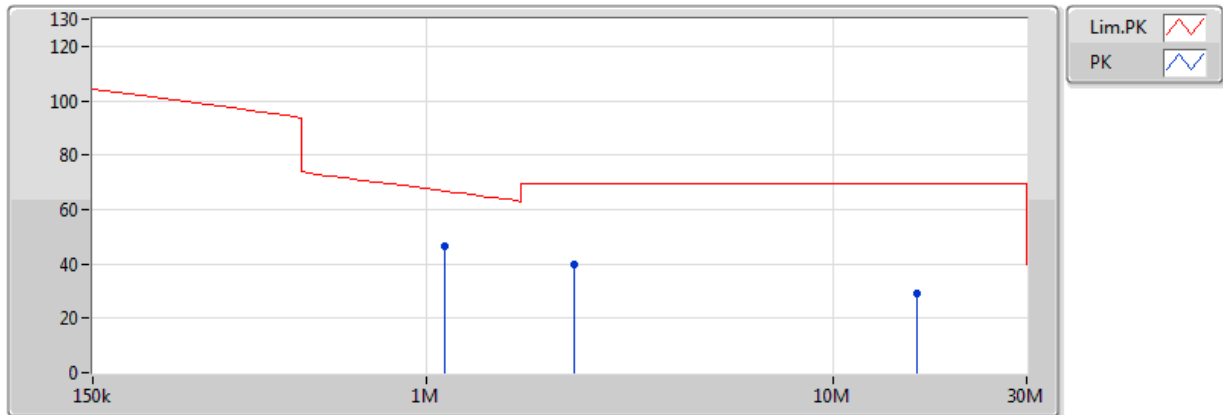


EUT = Y, ANT = X

| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL    | PA   |
|------|----------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|-------|------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB)  | (dB) |
| PK   | 55.53k   | 41.75    | 112.70   | -70.95 | 17.80  | 3    | Horizontal | 360     | 1.00   | -        | 23.95  | 20.96 | -3.16 | -    |
| PK   | 97.266k  | 54.07    | 107.84   | -53.76 | 18.28  | 3    | Horizontal | 360     | 1.00   | -        | 35.79  | 21.10 | -2.82 | -    |
| PK   | 107.418k | 44.97    | 106.98   | -62.00 | 18.34  | 3    | Horizontal | 360     | 1.00   | -        | 26.63  | 21.10 | -2.76 | -    |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

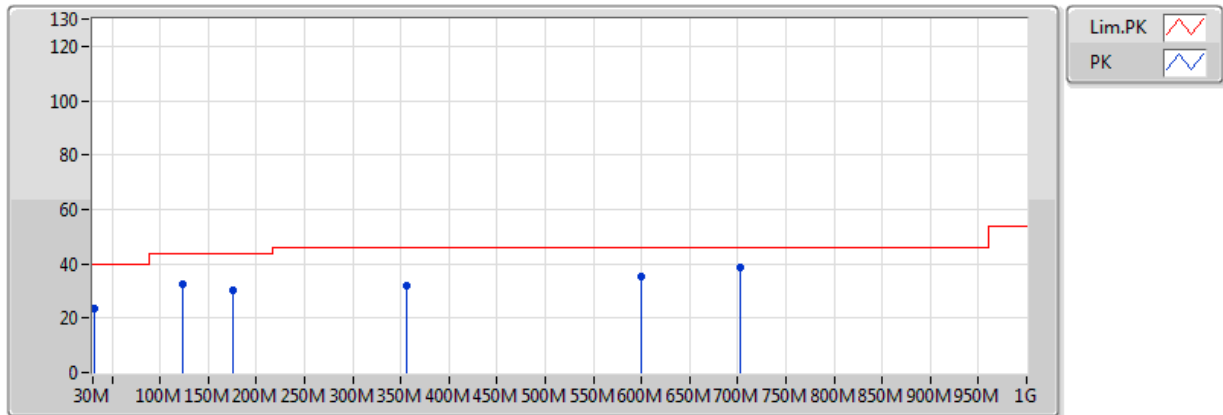


EUT = Y, ANT = X

| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL    | PA   |
|------|----------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|-------|------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB)  | (dB) |
| PK   | 1.1052M  | 46.24    | 66.76    | -20.51 | 19.43  | 3    | Horizontal | 0       | 1.00   | -        | 26.81  | 20.77 | -1.33 | -    |
| PK   | 2.2992M  | 39.72    | 69.50    | -29.78 | 19.46  | 3    | Horizontal | 0       | 1.00   | -        | 20.26  | 20.35 | -0.89 | -    |
| PK   | 16.0899M | 29.11    | 69.50    | -40.39 | 21.72  | 3    | Horizontal | 0       | 1.00   | -        | 7.39   | 21.42 | 0.30  | -    |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

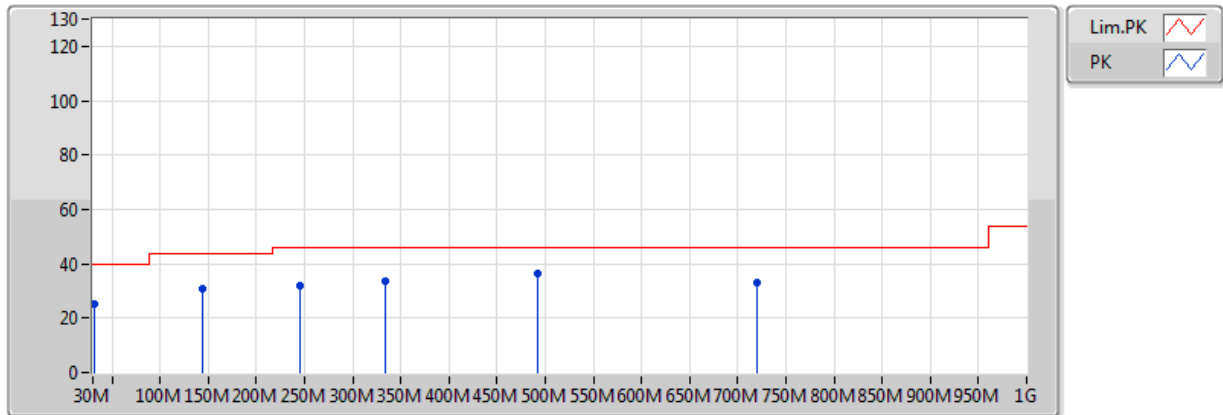


EUT = Y, ANT = X

| Type | Freq    | Level    | Limit    | Margin | Factor | Conditio | Comments | Raw    | CL   |  |  |  |  |  |  |
|------|---------|----------|----------|--------|--------|----------|----------|--------|------|--|--|--|--|--|--|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   |          |          | (dBuV) | (dB) |  |  |  |  |  |  |
| PK   | 32M     | 23.43    | 40.00    | -16.57 | -5.96  | Vertical | -        | 29.39  | 0.71 |  |  |  |  |  |  |
| PK   | 123.12M | 32.51    | 43.50    | -10.99 | -8.90  | Vertical | -        | 41.41  | 1.64 |  |  |  |  |  |  |
| PK   | 175.5M  | 29.99    | 43.50    | -13.51 | -11.02 | Vertical | -        | 41.01  | 1.94 |  |  |  |  |  |  |
| PK   | 355.92M | 32.10    | 46.00    | -13.90 | -5.35  | Vertical | -        | 37.45  | 2.65 |  |  |  |  |  |  |
| PK   | 600.36M | 35.03    | 46.00    | -10.97 | -1.23  | Vertical | -        | 36.26  | 3.66 |  |  |  |  |  |  |
| PK   | 703.18M | 38.48    | 46.00    | -7.52  | -0.28  | Vertical | -        | 38.76  | 4.10 |  |  |  |  |  |  |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX



EUT = Y, ANT = X

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Conditio | Comments | Raw<br>(dBuV) | CL<br>(dB) |  |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|----------|----------|---------------|------------|--|--|--|--|--|--|
| PK   | 32M          | 25.44             | 40.00             | -14.56         | -5.96          | Horizon  | -        | 31.40         | 0.71       |  |  |  |  |  |  |
| PK   | 144.46M      | 30.77             | 43.50             | -12.73         | -10.07         | Horizon  | -        | 40.84         | 1.75       |  |  |  |  |  |  |
| PK   | 245.34M      | 31.76             | 46.00             | -14.24         | -8.18          | Horizon  | -        | 39.94         | 2.20       |  |  |  |  |  |  |
| PK   | 334.58M      | 33.80             | 46.00             | -12.20         | -6.01          | Horizon  | -        | 39.81         | 2.58       |  |  |  |  |  |  |
| PK   | 491.72M      | 36.26             | 46.00             | -9.74          | -2.66          | Horizon  | -        | 38.92         | 3.37       |  |  |  |  |  |  |
| PK   | 720.64M      | 32.79             | 46.00             | -13.21         | 0.08           | Horizon  | -        | 32.71         | 4.13       |  |  |  |  |  |  |

**Summary**

| Mode                | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11g_(6Mbps)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 2.4-2.4835GHz       | Pass   | AV   | 2.483502G    | 53.81             | 54.00             | -0.19          | 31.27          | 3           | Horizontal | 303            | 1.23          | -        |

**Result**

| Mode                | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11b_(1Mbps)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 2412MHz             | Pass   | AV   | 2.3858G      | 52.04             | 54.00             | -1.96          | 30.92          | 3           | Horizontal | 299            | 1.50          | -        |
| 2412MHz             | Pass   | AV   | 2.4128G      | 109.22            | Inf               | -Inf           | 31.02          | 3           | Horizontal | 299            | 1.50          | -        |
| 2412MHz             | Pass   | AV   | 4.824G       | 34.03             | 54.00             | -19.97         | 2.16           | 3           | Horizontal | 227            | 1.70          | -        |
| 2412MHz             | Pass   | PK   | 2.3898G      | 61.05             | 74.00             | -12.95         | 30.93          | 3           | Horizontal | 299            | 1.50          | -        |
| 2412MHz             | Pass   | PK   | 2.412G       | 111.59            | Inf               | -Inf           | 31.01          | 3           | Horizontal | 299            | 1.50          | -        |
| 2412MHz             | Pass   | PK   | 4.824G       | 46.13             | 74.00             | -27.87         | 2.16           | 3           | Horizontal | 227            | 1.70          | -        |
| 2412MHz             | Pass   | AV   | 2.3754G      | 47.60             | 54.00             | -6.40          | 30.88          | 3           | Vertical   | 355            | 1.47          | -        |
| 2412MHz             | Pass   | AV   | 2.4112G      | 104.04            | Inf               | -Inf           | 31.01          | 3           | Vertical   | 355            | 1.47          | -        |
| 2412MHz             | Pass   | AV   | 4.824G       | 32.37             | 54.00             | -21.63         | 2.16           | 3           | Vertical   | 223            | 1.50          | -        |
| 2412MHz             | Pass   | PK   | 2.3742G      | 60.39             | 74.00             | -13.61         | 30.88          | 3           | Vertical   | 355            | 1.47          | -        |
| 2412MHz             | Pass   | PK   | 2.412G       | 106.73            | Inf               | -Inf           | 31.01          | 3           | Vertical   | 355            | 1.47          | -        |
| 2412MHz             | Pass   | PK   | 4.824G       | 44.91             | 74.00             | -29.09         | 2.16           | 3           | Vertical   | 223            | 1.50          | -        |
| 2437MHz             | Pass   | AV   | 2.3894G      | 51.21             | 54.00             | -2.79          | 30.93          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz             | Pass   | AV   | 2.4362G      | 111.46            | Inf               | -Inf           | 31.10          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz             | Pass   | AV   | 2.4846G      | 53.59             | 54.00             | -0.41          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz             | Pass   | AV   | 4.874G       | 35.14             | 54.00             | -18.86         | 2.32           | 3           | Horizontal | 195            | 1.50          | -        |
| 2437MHz             | Pass   | PK   | 2.3878G      | 61.37             | 74.00             | -12.63         | 30.93          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz             | Pass   | PK   | 2.4378G      | 114.00            | Inf               | -Inf           | 31.11          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz             | Pass   | PK   | 2.4846G      | 65.77             | 74.00             | -8.23          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz             | Pass   | PK   | 4.874G       | 46.32             | 74.00             | -27.68         | 2.32           | 3           | Horizontal | 195            | 1.50          | -        |
| 2437MHz             | Pass   | AV   | 2.3882G      | 47.79             | 54.00             | -6.21          | 30.93          | 3           | Vertical   | 301            | 2.48          | -        |
| 2437MHz             | Pass   | AV   | 2.4378G      | 107.47            | Inf               | -Inf           | 31.11          | 3           | Vertical   | 301            | 2.48          | -        |
| 2437MHz             | Pass   | AV   | 2.4846G      | 53.42             | 54.00             | -0.58          | 31.27          | 3           | Vertical   | 301            | 2.48          | -        |
| 2437MHz             | Pass   | AV   | 4.874G       | 35.08             | 54.00             | -18.92         | 2.32           | 3           | Vertical   | 206            | 1.21          | -        |
| 2437MHz             | Pass   | PK   | 2.3886G      | 60.54             | 74.00             | -13.46         | 30.93          | 3           | Vertical   | 301            | 2.48          | -        |
| 2437MHz             | Pass   | PK   | 2.4378G      | 110.09            | Inf               | -Inf           | 31.11          | 3           | Vertical   | 301            | 2.48          | -        |
| 2437MHz             | Pass   | PK   | 2.4846G      | 63.89             | 74.00             | -10.11         | 31.27          | 3           | Vertical   | 301            | 2.48          | -        |
| 2437MHz             | Pass   | PK   | 4.874G       | 46.22             | 74.00             | -27.78         | 2.32           | 3           | Vertical   | 206            | 1.21          | -        |
| 2462MHz             | Pass   | AV   | 2.4628G      | 106.73            | Inf               | -Inf           | 31.20          | 3           | Horizontal | 303            | 1.21          | -        |
| 2462MHz             | Pass   | AV   | 2.4878G      | 52.62             | 54.00             | -1.38          | 31.29          | 3           | Horizontal | 303            | 1.21          | -        |
| 2462MHz             | Pass   | AV   | 4.924G       | 31.39             | 54.00             | -22.61         | 2.48           | 3           | Horizontal | 360            | 1.50          | -        |
| 2462MHz             | Pass   | PK   | 2.462G       | 109.30            | Inf               | -Inf           | 31.19          | 3           | Horizontal | 303            | 1.21          | -        |
| 2462MHz             | Pass   | PK   | 2.4872G      | 62.90             | 74.00             | -11.10         | 31.28          | 3           | Horizontal | 303            | 1.21          | -        |
| 2462MHz             | Pass   | PK   | 4.924G       | 45.77             | 74.00             | -28.23         | 2.48           | 3           | Horizontal | 360            | 1.50          | -        |
| 2462MHz             | Pass   | AV   | 2.4612G      | 104.38            | Inf               | -Inf           | 31.19          | 3           | Vertical   | 301            | 2.17          | -        |
| 2462MHz             | Pass   | AV   | 2.483502G    | 50.17             | 54.00             | -3.83          | 31.27          | 3           | Vertical   | 301            | 2.17          | -        |
| 2462MHz             | Pass   | AV   | 4.924G       | 31.15             | 54.00             | -22.85         | 2.48           | 3           | Vertical   | 0              | 1.50          | -        |
| 2462MHz             | Pass   | PK   | 2.462G       | 107.11            | Inf               | -Inf           | 31.19          | 3           | Vertical   | 301            | 2.17          | -        |
| 2462MHz             | Pass   | PK   | 2.4872G      | 63.04             | 74.00             | -10.96         | 31.28          | 3           | Vertical   | 301            | 2.17          | -        |
| 2462MHz             | Pass   | PK   | 4.924G       | 45.67             | 74.00             | -28.33         | 2.48           | 3           | Vertical   | 0              | 1.50          | -        |
| 802.11g_(6Mbps)_1TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 2412MHz             | Pass   | AV   | 2.39G        | 53.72             | 54.00             | -0.28          | 30.93          | 3           | Horizontal | 302            | 1.36          | -        |
| 2412MHz             | Pass   | AV   | 2.4182G      | 100.86            | Inf               | -Inf           | 31.04          | 3           | Horizontal | 302            | 1.36          | -        |
| 2412MHz             | Pass   | AV   | 4.824G       | 30.78             | 54.00             | -23.22         | 2.16           | 3           | Horizontal | 0              | 1.50          | -        |
| 2412MHz             | Pass   | PK   | 2.39G        | 71.63             | 74.00             | -2.37          | 30.93          | 3           | Horizontal | 302            | 1.36          | -        |
| 2412MHz             | Pass   | PK   | 2.4184G      | 109.93            | Inf               | -Inf           | 31.04          | 3           | Horizontal | 302            | 1.36          | -        |
| 2412MHz             | Pass   | PK   | 4.824G       | 45.14             | 74.00             | -28.86         | 2.16           | 3           | Horizontal | 0              | 1.50          | -        |

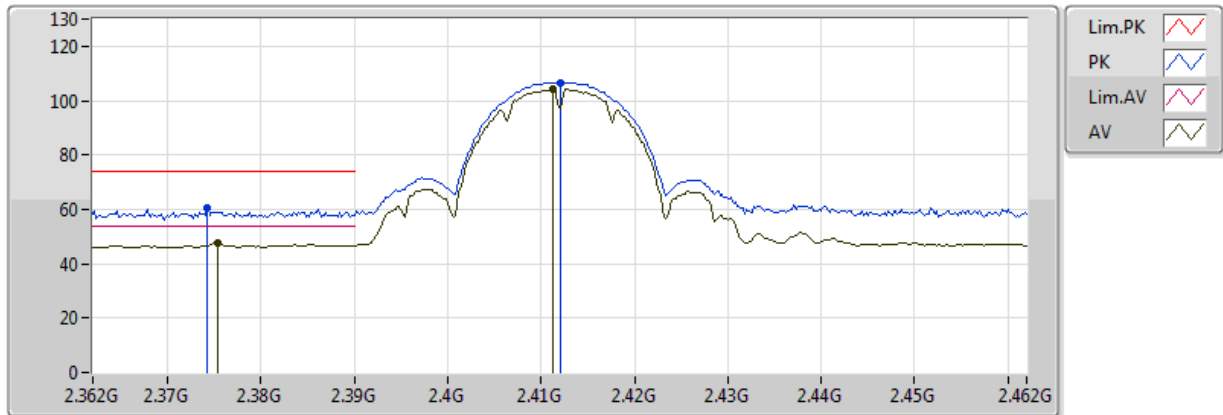
| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 2412MHz                      | Pass   | AV   | 2.39G        | 50.25             | 54.00             | -3.75          | 30.93          | 3           | Vertical   | 301            | 2.26          | -        |
| 2412MHz                      | Pass   | AV   | 2.4182G      | 97.27             | Inf               | -Inf           | 31.04          | 3           | Vertical   | 301            | 2.26          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 30.54             | 54.00             | -23.46         | 2.16           | 3           | Vertical   | 360            | 1.50          | -        |
| 2412MHz                      | Pass   | PK   | 2.39G        | 67.08             | 74.00             | -6.92          | 30.93          | 3           | Vertical   | 301            | 2.26          | -        |
| 2412MHz                      | Pass   | PK   | 2.4178G      | 106.45            | Inf               | -Inf           | 31.03          | 3           | Vertical   | 301            | 2.26          | -        |
| 2412MHz                      | Pass   | PK   | 4.824G       | 45.05             | 74.00             | -28.95         | 2.16           | 3           | Vertical   | 360            | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.389998G    | 49.35             | 54.00             | -4.65          | 30.93          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz                      | Pass   | AV   | 2.443G       | 103.99            | Inf               | -Inf           | 31.12          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz                      | Pass   | AV   | 2.483502G    | 53.76             | 54.00             | -0.24          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 30.88             | 54.00             | -23.12         | 2.32           | 3           | Horizontal | 360            | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 2.3894G      | 65.40             | 74.00             | -8.60          | 30.93          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz                      | Pass   | PK   | 2.4306G      | 113.82            | Inf               | -Inf           | 31.08          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz                      | Pass   | PK   | 2.4846G      | 72.20             | 74.00             | -1.80          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 46.08             | 74.00             | -27.92         | 2.32           | 3           | Horizontal | 360            | 1.50          | -        |
| 2437MHz                      | Pass   | AV   | 2.389998G    | 47.19             | 54.00             | -6.81          | 30.93          | 3           | Vertical   | 301            | 2.46          | -        |
| 2437MHz                      | Pass   | AV   | 2.4318G      | 100.53            | Inf               | -Inf           | 31.08          | 3           | Vertical   | 301            | 2.46          | -        |
| 2437MHz                      | Pass   | AV   | 2.483502G    | 52.76             | 54.00             | -1.24          | 31.27          | 3           | Vertical   | 301            | 2.46          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 30.68             | 54.00             | -23.32         | 2.32           | 3           | Vertical   | 0              | 1.50          | -        |
| 2437MHz                      | Pass   | PK   | 2.3894G      | 62.40             | 74.00             | -11.60         | 30.93          | 3           | Vertical   | 301            | 2.46          | -        |
| 2437MHz                      | Pass   | PK   | 2.4306G      | 110.57            | Inf               | -Inf           | 31.08          | 3           | Vertical   | 301            | 2.46          | -        |
| 2437MHz                      | Pass   | PK   | 2.4846G      | 70.17             | 74.00             | -3.83          | 31.27          | 3           | Vertical   | 301            | 2.46          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 45.73             | 74.00             | -28.27         | 2.32           | 3           | Vertical   | 0              | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 2.4682G      | 98.50             | Inf               | -Inf           | 31.22          | 3           | Horizontal | 303            | 1.23          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 53.81             | 54.00             | -0.19          | 31.27          | 3           | Horizontal | 303            | 1.23          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 30.89             | 54.00             | -23.11         | 2.48           | 3           | Horizontal | 0              | 1.50          | -        |
| 2462MHz                      | Pass   | PK   | 2.4556G      | 107.84            | Inf               | -Inf           | 31.17          | 3           | Horizontal | 303            | 1.23          | -        |
| 2462MHz                      | Pass   | PK   | 2.4836G      | 71.13             | 74.00             | -2.87          | 31.27          | 3           | Horizontal | 303            | 1.23          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 45.48             | 74.00             | -28.52         | 2.48           | 3           | Horizontal | 0              | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 2.456G       | 96.12             | Inf               | -Inf           | 31.17          | 3           | Vertical   | 301            | 2.16          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 52.23             | 54.00             | -1.77          | 31.27          | 3           | Vertical   | 301            | 2.16          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 30.70             | 54.00             | -23.30         | 2.48           | 3           | Vertical   | 360            | 1.50          | -        |
| 2462MHz                      | Pass   | PK   | 2.4556G      | 106.05            | Inf               | -Inf           | 31.17          | 3           | Vertical   | 301            | 2.16          | -        |
| 2462MHz                      | Pass   | PK   | 2.483502G    | 68.69             | 74.00             | -5.31          | 31.27          | 3           | Vertical   | 301            | 2.16          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 44.89             | 74.00             | -29.11         | 2.48           | 3           | Vertical   | 360            | 1.50          | -        |
| 802.11n HT20_Nss1_(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 2412MHz                      | Pass   | AV   | 2.39G        | 52.86             | 54.00             | -1.14          | 31.45          | 3           | Horizontal | 23             | 1.09          | -        |
| 2412MHz                      | Pass   | AV   | 2.4066G      | 97.87             | Inf               | -Inf           | 31.50          | 3           | Horizontal | 23             | 1.09          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 31.29             | 54.00             | -22.71         | 2.16           | 3           | Horizontal | 221            | 2.02          | -        |
| 2412MHz                      | Pass   | PK   | 2.39G        | 73.26             | 74.00             | -0.74          | 31.45          | 3           | Horizontal | 23             | 1.09          | -        |
| 2412MHz                      | Pass   | PK   | 2.409G       | 107.68            | Inf               | -Inf           | 31.51          | 3           | Horizontal | 23             | 1.09          | -        |
| 2412MHz                      | Pass   | PK   | 4.824G       | 44.33             | 74.00             | -29.67         | 2.16           | 3           | Horizontal | 221            | 2.02          | -        |
| 2412MHz                      | Pass   | AV   | 2.39G        | 50.49             | 54.00             | -3.51          | 31.45          | 3           | Vertical   | 30             | 2.71          | -        |
| 2412MHz                      | Pass   | AV   | 2.4064G      | 95.55             | Inf               | -Inf           | 31.50          | 3           | Vertical   | 30             | 2.71          | -        |
| 2412MHz                      | Pass   | AV   | 4.824G       | 31.28             | 54.00             | -22.72         | 2.16           | 3           | Vertical   | 220            | 1.60          | -        |
| 2412MHz                      | Pass   | PK   | 2.39G        | 70.32             | 74.00             | -3.68          | 31.45          | 3           | Vertical   | 30             | 2.71          | -        |
| 2412MHz                      | Pass   | PK   | 2.4062G      | 105.40            | Inf               | -Inf           | 31.50          | 3           | Vertical   | 30             | 2.71          | -        |
| 2412MHz                      | Pass   | PK   | 4.824G       | 44.12             | 74.00             | -29.88         | 2.16           | 3           | Vertical   | 220            | 1.60          | -        |
| 2437MHz                      | Pass   | AV   | 2.3498G      | 45.40             | 54.00             | -8.60          | 30.79          | 3           | Horizontal | 22             | 1.55          | -        |
| 2437MHz                      | Pass   | AV   | 2.4314G      | 98.87             | Inf               | -Inf           | 31.08          | 3           | Horizontal | 22             | 1.55          | -        |

| Mode                         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 2437MHz                      | Pass   | AV   | 2.4978G      | 46.07             | 54.00             | -7.93          | 31.32          | 3           | Horizontal | 22             | 1.55          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 31.81             | 54.00             | -22.19         | 2.32           | 3           | Horizontal | 107            | 1.77          | -        |
| 2437MHz                      | Pass   | PK   | 2.3538G      | 58.84             | 74.00             | -15.16         | 30.81          | 3           | Horizontal | 22             | 1.55          | -        |
| 2437MHz                      | Pass   | PK   | 2.4342G      | 108.43            | Inf               | -Inf           | 31.09          | 3           | Horizontal | 22             | 1.55          | -        |
| 2437MHz                      | Pass   | PK   | 2.4966G      | 58.77             | 74.00             | -15.23         | 31.32          | 3           | Horizontal | 22             | 1.55          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 44.11             | 74.00             | -29.89         | 2.32           | 3           | Horizontal | 107            | 1.77          | -        |
| 2437MHz                      | Pass   | AV   | 2.3518G      | 45.58             | 54.00             | -8.42          | 31.31          | 3           | Vertical   | 290            | 1.04          | -        |
| 2437MHz                      | Pass   | AV   | 2.4426G      | 95.13             | Inf               | -Inf           | 31.63          | 3           | Vertical   | 290            | 1.04          | -        |
| 2437MHz                      | Pass   | AV   | 2.4958G      | 46.52             | 54.00             | -7.48          | 31.82          | 3           | Vertical   | 290            | 1.04          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 31.82             | 54.00             | -22.18         | 2.32           | 3           | Vertical   | 84             | 1.12          | -        |
| 2437MHz                      | Pass   | PK   | 2.3598G      | 58.53             | 74.00             | -15.47         | 31.34          | 3           | Vertical   | 290            | 1.04          | -        |
| 2437MHz                      | Pass   | PK   | 2.4338G      | 104.40            | Inf               | -Inf           | 31.60          | 3           | Vertical   | 290            | 1.04          | -        |
| 2437MHz                      | Pass   | PK   | 2.4878G      | 59.28             | 74.00             | -14.72         | 31.80          | 3           | Vertical   | 290            | 1.04          | -        |
| 2437MHz                      | Pass   | PK   | 4.874G       | 44.27             | 74.00             | -29.73         | 2.32           | 3           | Vertical   | 84             | 1.12          | -        |
| 2462MHz                      | Pass   | AV   | 2.4564G      | 95.99             | Inf               | -Inf           | 31.68          | 3           | Horizontal | 21             | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 53.67             | 54.00             | -0.33          | 31.78          | 3           | Horizontal | 21             | 1.50          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 31.86             | 54.00             | -22.14         | 2.48           | 3           | Horizontal | 358            | 1.95          | -        |
| 2462MHz                      | Pass   | PK   | 2.4562G      | 105.64            | Inf               | -Inf           | 31.68          | 3           | Horizontal | 21             | 1.50          | -        |
| 2462MHz                      | Pass   | PK   | 2.484G       | 72.70             | 74.00             | -1.30          | 31.78          | 3           | Horizontal | 21             | 1.50          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 44.38             | 74.00             | -29.62         | 2.48           | 3           | Horizontal | 358            | 1.95          | -        |
| 2462MHz                      | Pass   | AV   | 2.4674G      | 91.57             | Inf               | -Inf           | 31.72          | 3           | Vertical   | 289            | 2.05          | -        |
| 2462MHz                      | Pass   | AV   | 2.483502G    | 50.39             | 54.00             | -3.61          | 31.78          | 3           | Vertical   | 289            | 2.05          | -        |
| 2462MHz                      | Pass   | AV   | 4.924G       | 31.90             | 54.00             | -22.10         | 2.48           | 3           | Vertical   | 199            | 1.63          | -        |
| 2462MHz                      | Pass   | PK   | 2.4684G      | 100.80            | Inf               | -Inf           | 31.73          | 3           | Vertical   | 289            | 2.05          | -        |
| 2462MHz                      | Pass   | PK   | 2.4842G      | 67.16             | 74.00             | -6.84          | 31.78          | 3           | Vertical   | 289            | 2.05          | -        |
| 2462MHz                      | Pass   | PK   | 4.924G       | 44.64             | 74.00             | -29.36         | 2.48           | 3           | Vertical   | 199            | 1.63          | -        |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 2422MHz                      | Pass   | AV   | 2.39G        | 53.30             | 54.00             | -0.70          | 31.45          | 3           | Horizontal | 21             | 1.33          | -        |
| 2422MHz                      | Pass   | AV   | 2.4204G      | 93.68             | Inf               | -Inf           | 31.55          | 3           | Horizontal | 21             | 1.33          | -        |
| 2422MHz                      | Pass   | AV   | 2.4852G      | 46.82             | 54.00             | -7.18          | 31.79          | 3           | Horizontal | 21             | 1.33          | -        |
| 2422MHz                      | Pass   | AV   | 4.844G       | 31.74             | 54.00             | -22.26         | 2.23           | 3           | Horizontal | 124            | 2.34          | -        |
| 2422MHz                      | Pass   | PK   | 2.3892G      | 67.47             | 74.00             | -6.53          | 31.44          | 3           | Horizontal | 21             | 1.33          | -        |
| 2422MHz                      | Pass   | PK   | 2.42G        | 103.38            | Inf               | -Inf           | 31.55          | 3           | Horizontal | 21             | 1.33          | -        |
| 2422MHz                      | Pass   | PK   | 2.496G       | 59.46             | 74.00             | -14.54         | 31.83          | 3           | Horizontal | 21             | 1.33          | -        |
| 2422MHz                      | Pass   | PK   | 4.844G       | 44.53             | 74.00             | -29.47         | 2.23           | 3           | Horizontal | 124            | 2.34          | -        |
| 2422MHz                      | Pass   | AV   | 2.39G        | 49.27             | 54.00             | -4.73          | 30.93          | 3           | Vertical   | 279            | 1.02          | -        |
| 2422MHz                      | Pass   | AV   | 2.4236G      | 92.39             | Inf               | -Inf           | 31.05          | 3           | Vertical   | 279            | 1.02          | -        |
| 2422MHz                      | Pass   | AV   | 2.4836G      | 46.60             | 54.00             | -7.40          | 31.27          | 3           | Vertical   | 279            | 1.02          | -        |
| 2422MHz                      | Pass   | AV   | 4.844G       | 31.60             | 54.00             | -22.40         | 2.23           | 3           | Vertical   | 85             | 2.30          | -        |
| 2422MHz                      | Pass   | PK   | 2.3884G      | 61.96             | 74.00             | -12.04         | 30.93          | 3           | Vertical   | 279            | 1.02          | -        |
| 2422MHz                      | Pass   | PK   | 2.4248G      | 101.42            | Inf               | -Inf           | 31.06          | 3           | Vertical   | 279            | 1.02          | -        |
| 2422MHz                      | Pass   | PK   | 2.4836G      | 59.43             | 74.00             | -14.57         | 31.27          | 3           | Vertical   | 279            | 1.02          | -        |
| 2422MHz                      | Pass   | PK   | 4.844G       | 44.46             | 74.00             | -29.54         | 2.23           | 3           | Vertical   | 85             | 2.30          | -        |
| 2437MHz                      | Pass   | AV   | 2.389998G    | 50.71             | 54.00             | -3.29          | 30.93          | 3           | Horizontal | 356            | 2.19          | -        |
| 2437MHz                      | Pass   | AV   | 2.433812G    | 97.29             | Inf               | -Inf           | 31.09          | 3           | Horizontal | 356            | 2.19          | -        |
| 2437MHz                      | Pass   | AV   | 2.483667G    | 53.44             | 54.00             | -0.56          | 31.27          | 3           | Horizontal | 356            | 2.19          | -        |
| 2437MHz                      | Pass   | AV   | 4.874G       | 32.04             | 54.00             | -21.96         | 2.32           | 3           | Horizontal | 315            | 2.30          | -        |
| 2437MHz                      | Pass   | PK   | 2.389174G    | 60.22             | 74.00             | -13.78         | 30.93          | 3           | Horizontal | 356            | 2.19          | -        |
| 2437MHz                      | Pass   | PK   | 2.421928G    | 106.29            | Inf               | -Inf           | 31.05          | 3           | Horizontal | 356            | 2.19          | -        |

| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 2437MHz | Pass   | PK   | 2.483502G    | 65.68             | 74.00             | -8.32          | 31.27          | 3           | Horizontal | 356            | 2.19          | -        |
| 2437MHz | Pass   | PK   | 4.874G       | 44.25             | 74.00             | -29.75         | 2.32           | 3           | Horizontal | 315            | 2.30          | -        |
| 2437MHz | Pass   | AV   | 2.389998G    | 47.38             | 54.00             | -6.62          | 30.93          | 3           | Vertical   | 53             | 1.43          | -        |
| 2437MHz | Pass   | AV   | 2.438449G    | 93.97             | Inf               | -Inf           | 31.11          | 3           | Vertical   | 53             | 1.43          | -        |
| 2437MHz | Pass   | AV   | 2.483502G    | 49.62             | 54.00             | -4.38          | 31.27          | 3           | Vertical   | 53             | 1.43          | -        |
| 2437MHz | Pass   | AV   | 4.874G       | 32.04             | 54.00             | -21.96         | 2.32           | 3           | Vertical   | 60             | 1.03          | -        |
| 2437MHz | Pass   | PK   | 2.389464G    | 59.04             | 74.00             | -14.96         | 30.93          | 3           | Vertical   | 53             | 1.43          | -        |
| 2437MHz | Pass   | PK   | 2.439029G    | 103.19            | Inf               | -Inf           | 31.11          | 3           | Vertical   | 53             | 1.43          | -        |
| 2437MHz | Pass   | PK   | 2.483667G    | 62.64             | 74.00             | -11.36         | 31.27          | 3           | Vertical   | 53             | 1.43          | -        |
| 2437MHz | Pass   | PK   | 4.874G       | 44.41             | 74.00             | -29.59         | 2.32           | 3           | Vertical   | 60             | 1.03          | -        |
| 2452MHz | Pass   | AV   | 2.367072G    | 46.31             | 54.00             | -7.69          | 31.36          | 3           | Horizontal | 289            | 1.27          | -        |
| 2452MHz | Pass   | AV   | 2.438377G    | 93.64             | Inf               | -Inf           | 31.62          | 3           | Horizontal | 289            | 1.27          | -        |
| 2452MHz | Pass   | AV   | 2.483594G    | 53.76             | 54.00             | -0.24          | 31.78          | 3           | Horizontal | 289            | 1.27          | -        |
| 2452MHz | Pass   | AV   | 4.904G       | 32.06             | 54.00             | -21.94         | 2.41           | 3           | Horizontal | 336            | 1.43          | -        |
| 2452MHz | Pass   | PK   | 2.368522G    | 57.94             | 74.00             | -16.06         | 31.37          | 3           | Horizontal | 289            | 1.27          | -        |
| 2452MHz | Pass   | PK   | 2.441275G    | 103.15            | Inf               | -Inf           | 31.63          | 3           | Horizontal | 289            | 1.27          | -        |
| 2452MHz | Pass   | PK   | 2.484754G    | 65.85             | 74.00             | -8.15          | 31.79          | 3           | Horizontal | 289            | 1.27          | -        |
| 2452MHz | Pass   | PK   | 4.904G       | 44.62             | 74.00             | -29.38         | 2.41           | 3           | Horizontal | 336            | 1.43          | -        |
| 2452MHz | Pass   | AV   | 2.353449G    | 45.92             | 54.00             | -8.08          | 30.81          | 3           | Vertical   | 280            | 1.11          | -        |
| 2452MHz | Pass   | AV   | 2.438377G    | 91.13             | Inf               | -Inf           | 31.11          | 3           | Vertical   | 280            | 1.11          | -        |
| 2452MHz | Pass   | AV   | 2.483594G    | 51.86             | 54.00             | -2.14          | 31.27          | 3           | Vertical   | 280            | 1.11          | -        |
| 2452MHz | Pass   | AV   | 4.904G       | 31.74             | 54.00             | -22.26         | 2.41           | 3           | Vertical   | 149            | 1.49          | -        |
| 2452MHz | Pass   | PK   | 2.384464G    | 58.48             | 74.00             | -15.52         | 30.92          | 3           | Vertical   | 280            | 1.11          | -        |
| 2452MHz | Pass   | PK   | 2.438377G    | 100.85            | Inf               | -Inf           | 31.11          | 3           | Vertical   | 280            | 1.11          | -        |
| 2452MHz | Pass   | PK   | 2.483594G    | 63.36             | 74.00             | -10.64         | 31.27          | 3           | Vertical   | 280            | 1.11          | -        |
| 2452MHz | Pass   | PK   | 4.904G       | 44.19             | 74.00             | -29.81         | 2.41           | 3           | Vertical   | 149            | 1.49          | -        |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

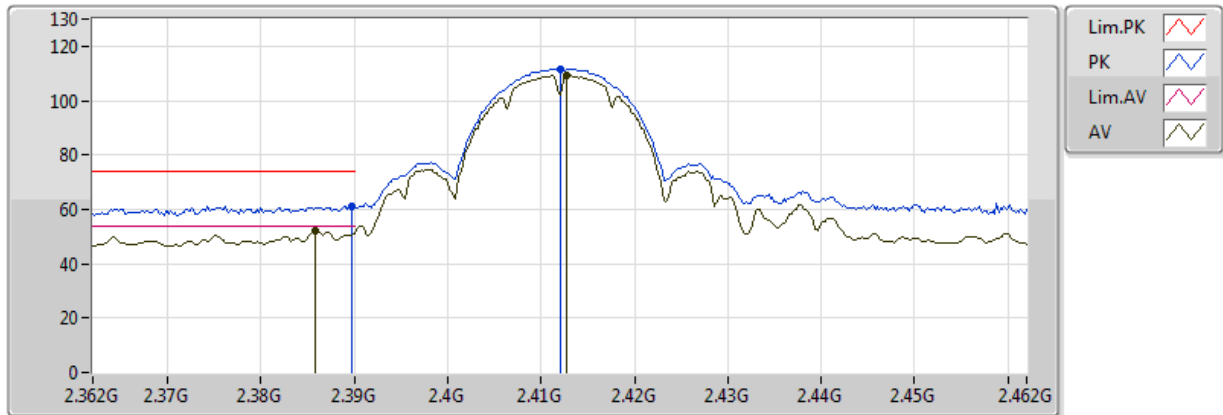


EUT = Y, ANT = X  
ANT = B

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.3754G | 47.60    | 54.00    | -6.40  | 30.88  | 3    | Vertical  | 355     | 1.47   | -        | 16.72  | 27.28 | 3.61 | -    |
| AV   | 2.4112G | 104.04   | Inf      | -Inf   | 31.01  | 3    | Vertical  | 355     | 1.47   | -        | 73.03  | 27.37 | 3.64 | -    |
| PK   | 2.3742G | 60.39    | 74.00    | -13.61 | 30.88  | 3    | Vertical  | 355     | 1.47   | -        | 29.51  | 27.27 | 3.61 | -    |
| PK   | 2.412G  | 106.73   | Inf      | -Inf   | 31.01  | 3    | Vertical  | 355     | 1.47   | -        | 75.72  | 27.37 | 3.64 | -    |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

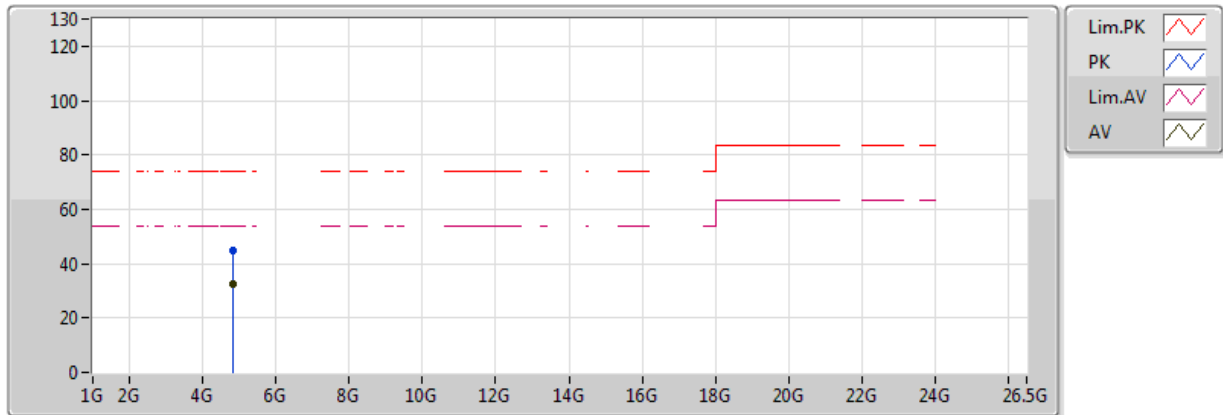


EUT = Y, ANT = X  
ANT = B

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.3858G | 52.04    | 54.00    | -1.96  | 30.92  | 3    | Horizontal | 299     | 1.50   | -        | 21.12  | 27.30 | 3.62 | -    |
| AV   | 2.4128G | 109.22   | Inf      | -Inf   | 31.02  | 3    | Horizontal | 299     | 1.50   | -        | 78.20  | 27.37 | 3.64 | -    |
| PK   | 2.3898G | 61.05    | 74.00    | -12.95 | 30.93  | 3    | Horizontal | 299     | 1.50   | -        | 30.12  | 27.31 | 3.62 | -    |
| PK   | 2.412G  | 111.59   | Inf      | -Inf   | 31.01  | 3    | Horizontal | 299     | 1.50   | -        | 80.58  | 27.37 | 3.64 | -    |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

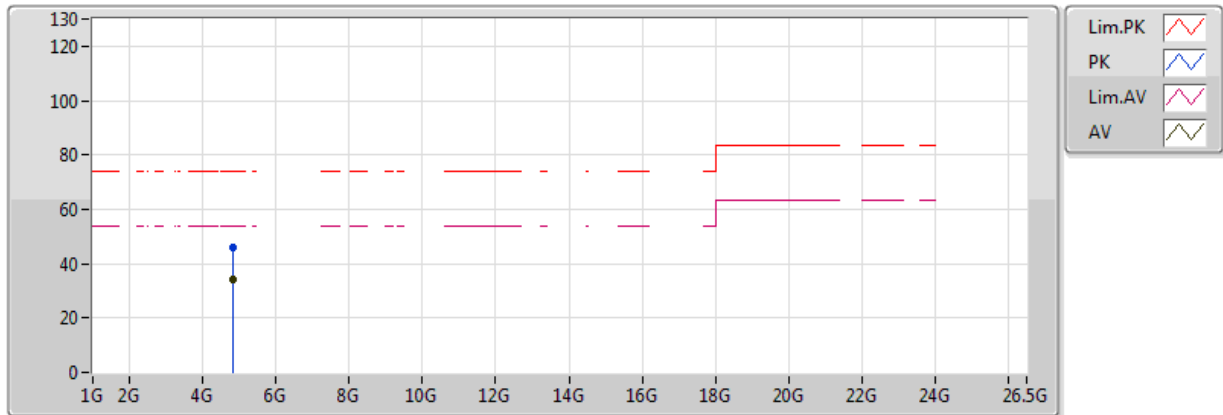


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.824G | 32.37    | 54.00    | -21.63 | 2.16   | 3    | Vertical  | 223     | 1.50   | -        | 30.21  | 31.28 | 5.41 | 34.53 |
| PK   | 4.824G | 44.91    | 74.00    | -29.09 | 2.16   | 3    | Vertical  | 223     | 1.50   | -        | 42.75  | 31.28 | 5.41 | 34.53 |

## 802.11b\_(1Mbps)\_1TX

### 2412MHz\_TX

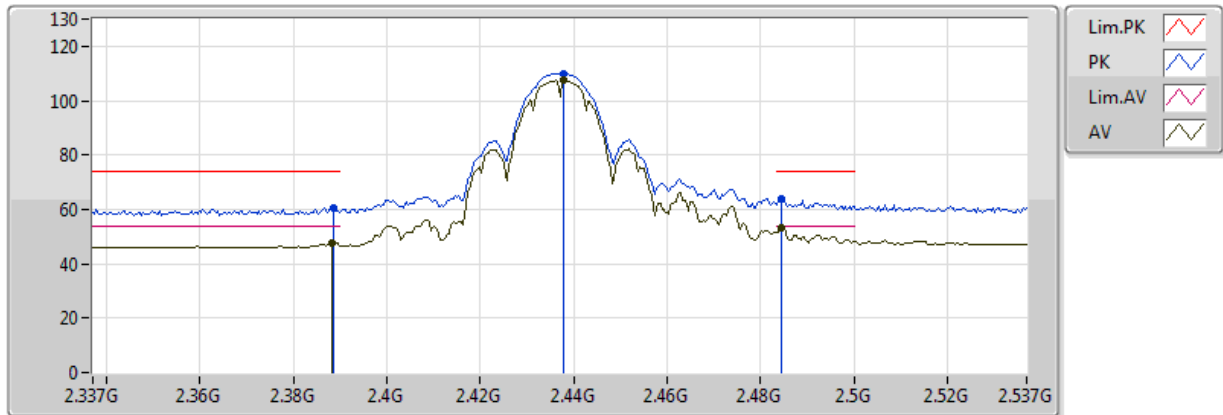


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.824G | 34.03    | 54.00    | -19.97 | 2.16   | 3    | Horizontal | 227     | 1.70   | -        | 31.87  | 31.28 | 5.41 | 34.53 |
| PK   | 4.824G | 46.13    | 74.00    | -27.87 | 2.16   | 3    | Horizontal | 227     | 1.70   | -        | 43.97  | 31.28 | 5.41 | 34.53 |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

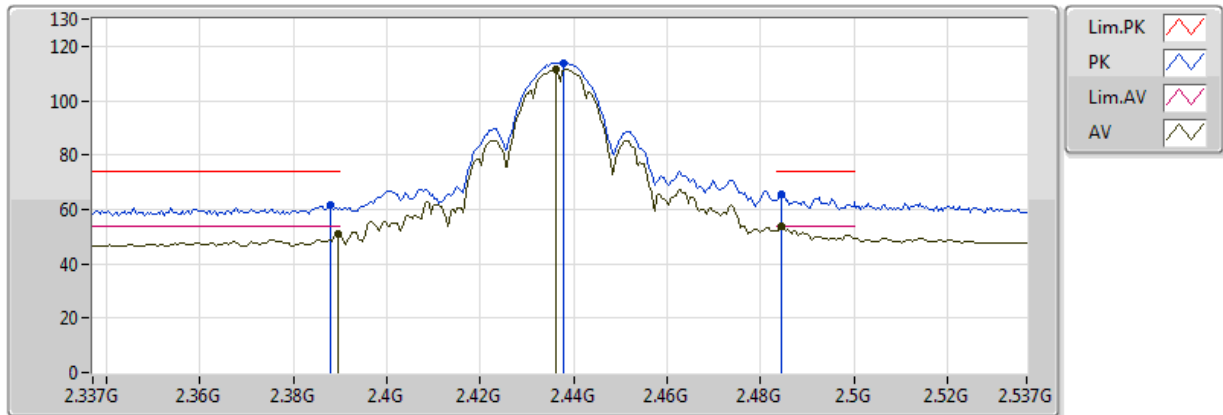


EUT = Y, ANT = X  
ANT = B

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 2.3882G      | 47.79             | 54.00             | -6.21          | 30.93          | 3           | Vertical  | 301            | 2.48          | -        | 16.86         | 27.31      | 3.62       | -          |
| AV   | 2.4378G      | 107.47            | Inf               | -Inf           | 31.11          | 3           | Vertical  | 301            | 2.48          | -        | 76.36         | 27.44      | 3.67       | -          |
| AV   | 2.4846G      | 53.42             | 54.00             | -0.58          | 31.27          | 3           | Vertical  | 301            | 2.48          | -        | 22.15         | 27.56      | 3.71       | -          |
| PK   | 2.3886G      | 60.54             | 74.00             | -13.46         | 30.93          | 3           | Vertical  | 301            | 2.48          | -        | 29.61         | 27.31      | 3.62       | -          |
| PK   | 2.4378G      | 110.09            | Inf               | -Inf           | 31.11          | 3           | Vertical  | 301            | 2.48          | -        | 78.98         | 27.44      | 3.67       | -          |
| PK   | 2.4846G      | 63.89             | 74.00             | -10.11         | 31.27          | 3           | Vertical  | 301            | 2.48          | -        | 32.62         | 27.56      | 3.71       | -          |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

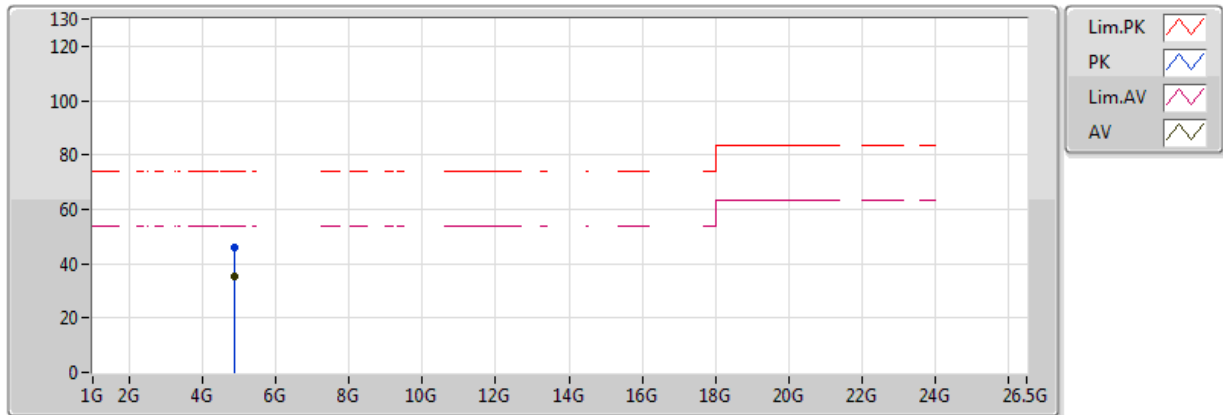


EUT = Y, ANT = X  
ANT = B

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 2.3894G      | 51.21             | 54.00             | -2.79          | 30.93          | 3           | Horizontal | 301            | 1.29          | -        | 20.28         | 27.31      | 3.62       | -          |
| AV   | 2.4362G      | 111.46            | Inf               | -Inf           | 31.10          | 3           | Horizontal | 301            | 1.29          | -        | 80.36         | 27.43      | 3.67       | -          |
| AV   | 2.4846G      | 53.59             | 54.00             | -0.41          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        | 22.32         | 27.56      | 3.71       | -          |
| PK   | 2.3878G      | 61.37             | 74.00             | -12.63         | 30.93          | 3           | Horizontal | 301            | 1.29          | -        | 30.44         | 27.31      | 3.62       | -          |
| PK   | 2.4378G      | 114.00            | Inf               | -Inf           | 31.11          | 3           | Horizontal | 301            | 1.29          | -        | 82.89         | 27.44      | 3.67       | -          |
| PK   | 2.4846G      | 65.77             | 74.00             | -8.23          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        | 34.49         | 27.56      | 3.71       | -          |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

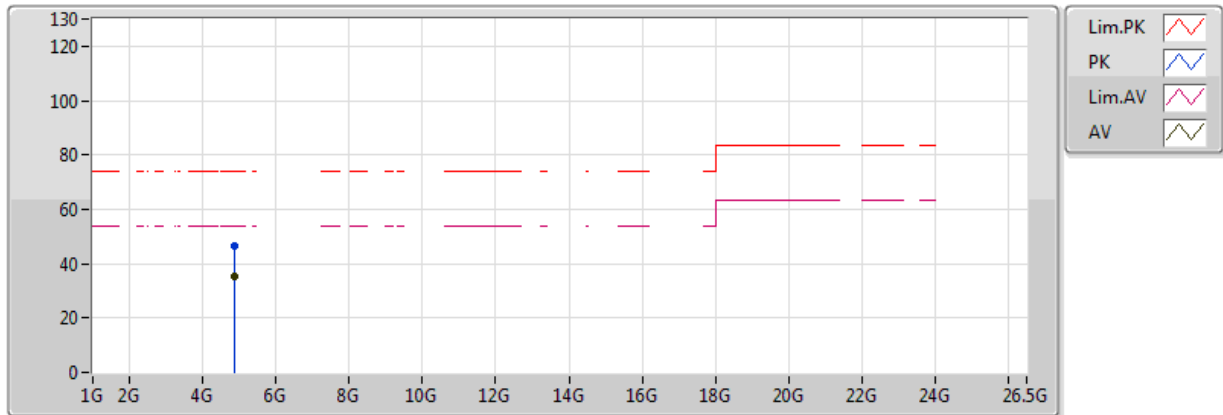


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 35.08    | 54.00    | -18.92 | 2.32   | 3    | Vertical  | 206     | 1.21   | -        | 32.76  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 46.22    | 74.00    | -27.78 | 2.32   | 3    | Vertical  | 206     | 1.21   | -        | 43.90  | 31.37 | 5.46 | 34.52 |

## 802.11b\_(1Mbps)\_1TX

### 2437MHz\_TX

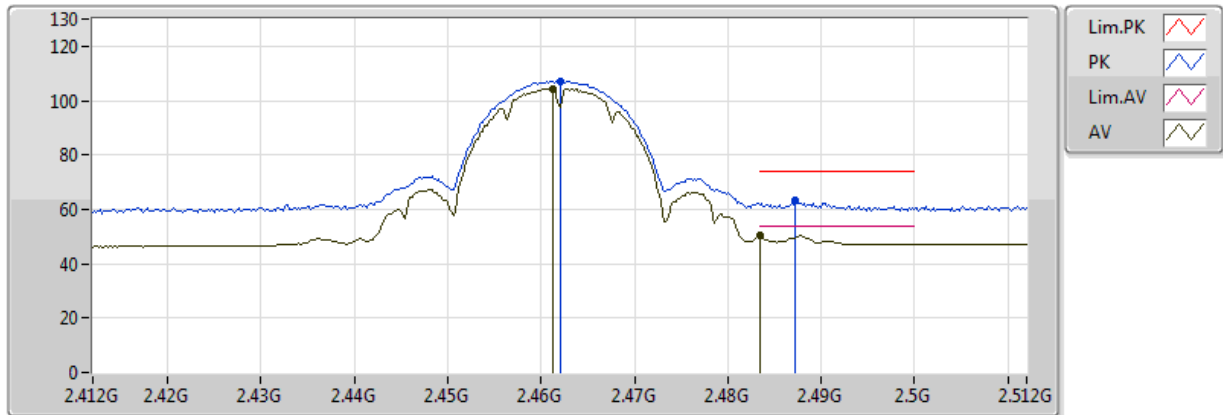


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 35.14    | 54.00    | -18.86 | 2.32   | 3    | Horizontal | 195     | 1.50   | -        | 32.82  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 46.32    | 74.00    | -27.68 | 2.32   | 3    | Horizontal | 195     | 1.50   | -        | 44.00  | 31.37 | 5.46 | 34.52 |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

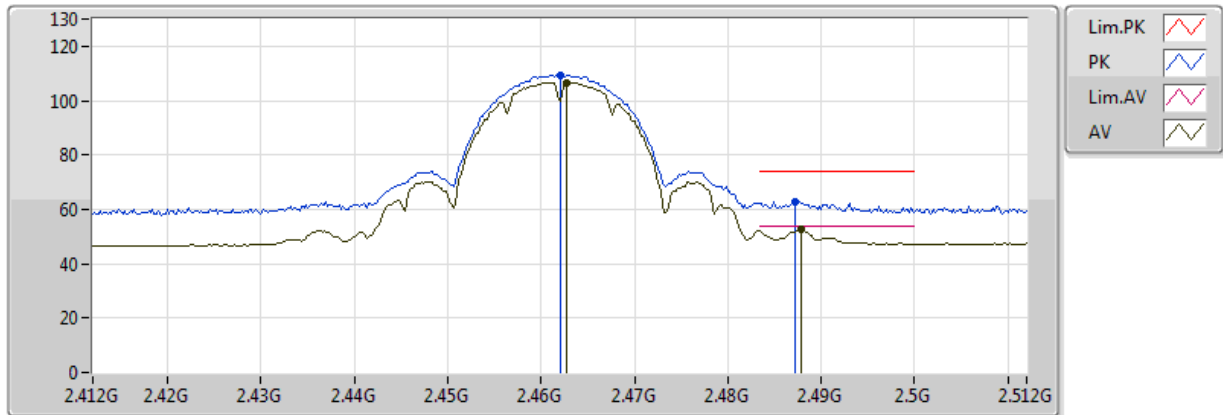


EUT = Y, ANT = X  
ANT = B

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.4612G   | 104.38   | Inf      | -Inf   | 31.19  | 3    | Vertical  | 301     | 2.17   | -        | 73.19  | 27.50 | 3.69 | -    |
| AV   | 2.483502G | 50.17    | 54.00    | -3.83  | 31.27  | 3    | Vertical  | 301     | 2.17   | -        | 18.90  | 27.56 | 3.71 | -    |
| PK   | 2.462G    | 107.11   | Inf      | -Inf   | 31.19  | 3    | Vertical  | 301     | 2.17   | -        | 75.91  | 27.50 | 3.69 | -    |
| PK   | 2.4872G   | 63.04    | 74.00    | -10.96 | 31.28  | 3    | Vertical  | 301     | 2.17   | -        | 31.76  | 27.57 | 3.72 | -    |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

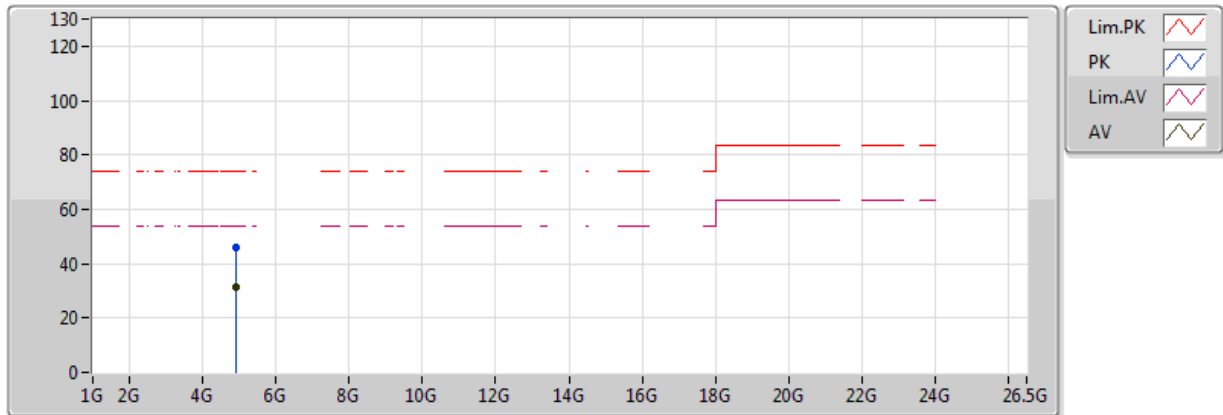


EUT = Y, ANT = X  
ANT = B

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.4628G | 106.73   | Inf      | -Inf   | 31.20  | 3    | Horizontal | 303     | 1.21   | -        | 75.53  | 27.50 | 3.69 | -    |
| AV   | 2.4878G | 52.62    | 54.00    | -1.38  | 31.29  | 3    | Horizontal | 303     | 1.21   | -        | 21.34  | 27.57 | 3.72 | -    |
| PK   | 2.462G  | 109.30   | Inf      | -Inf   | 31.19  | 3    | Horizontal | 303     | 1.21   | -        | 78.11  | 27.50 | 3.69 | -    |
| PK   | 2.4872G | 62.90    | 74.00    | -11.10 | 31.28  | 3    | Horizontal | 303     | 1.21   | -        | 31.61  | 27.57 | 3.72 | -    |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

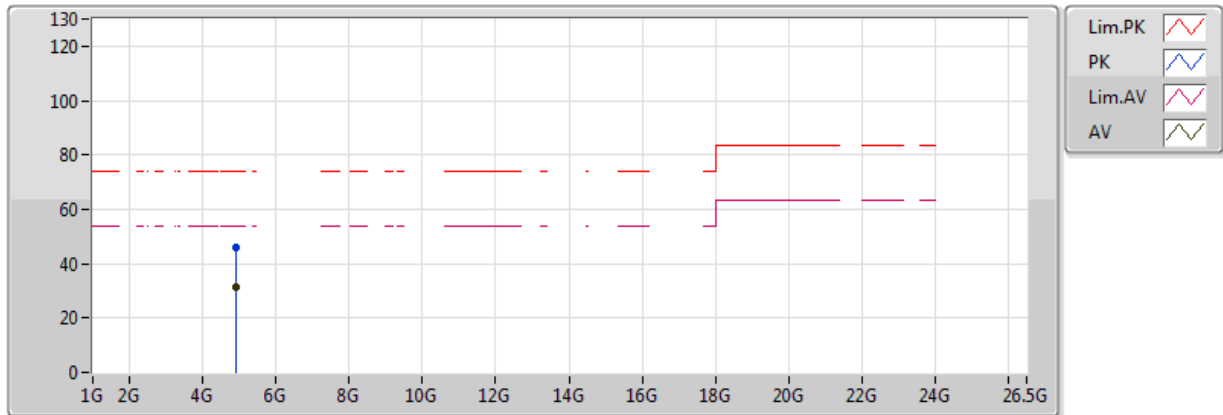


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.924G | 31.15    | 54.00    | -22.85 | 2.48   | 3    | Vertical  | 0       | 1.50   | -        | 28.67  | 31.46 | 5.52 | 34.50 |
| PK   | 4.924G | 45.67    | 74.00    | -28.33 | 2.48   | 3    | Vertical  | 0       | 1.50   | -        | 43.19  | 31.46 | 5.52 | 34.50 |

## 802.11b\_(1Mbps)\_1TX

### 2462MHz\_TX

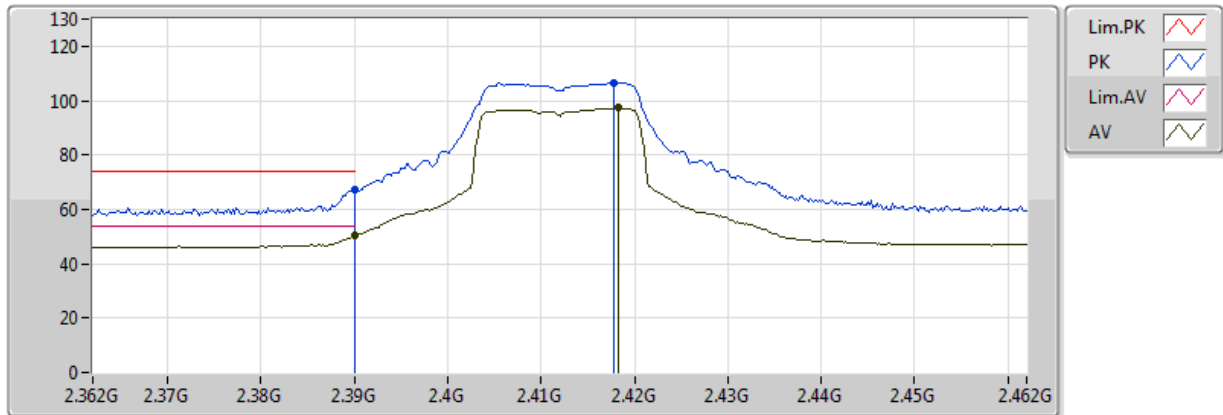


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.924G | 31.39    | 54.00    | -22.61 | 2.48   | 3    | Horizontal | 360     | 1.50   | -        | 28.91  | 31.46 | 5.52 | 34.50 |
| PK   | 4.924G | 45.77    | 74.00    | -28.23 | 2.48   | 3    | Horizontal | 360     | 1.50   | -        | 43.29  | 31.46 | 5.52 | 34.50 |

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

### 2412MHz\_TX

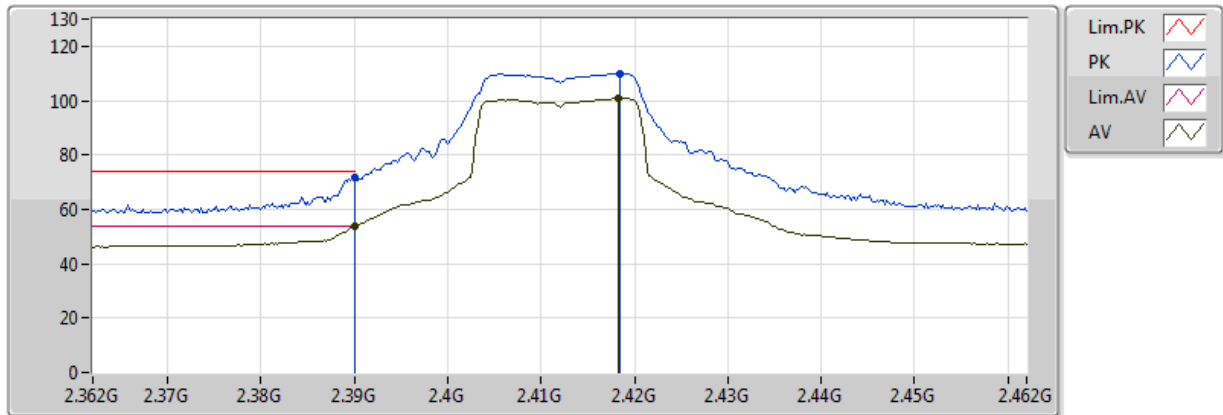


EUT = Y, ANT = X  
ANT = B

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 50.25    | 54.00    | -3.75  | 30.93  | 3    | Vertical  | 301     | 2.26   | -        | 19.32  | 27.31 | 3.62 | -    |
| AV   | 2.4182G | 97.27    | Inf      | -Inf   | 31.04  | 3    | Vertical  | 301     | 2.26   | -        | 66.24  | 27.39 | 3.65 | -    |
| PK   | 2.39G   | 67.08    | 74.00    | -6.92  | 30.93  | 3    | Vertical  | 301     | 2.26   | -        | 36.15  | 27.31 | 3.62 | -    |
| PK   | 2.4178G | 106.45   | Inf      | -Inf   | 31.03  | 3    | Vertical  | 301     | 2.26   | -        | 75.42  | 27.39 | 3.65 | -    |

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

### 2412MHz\_TX

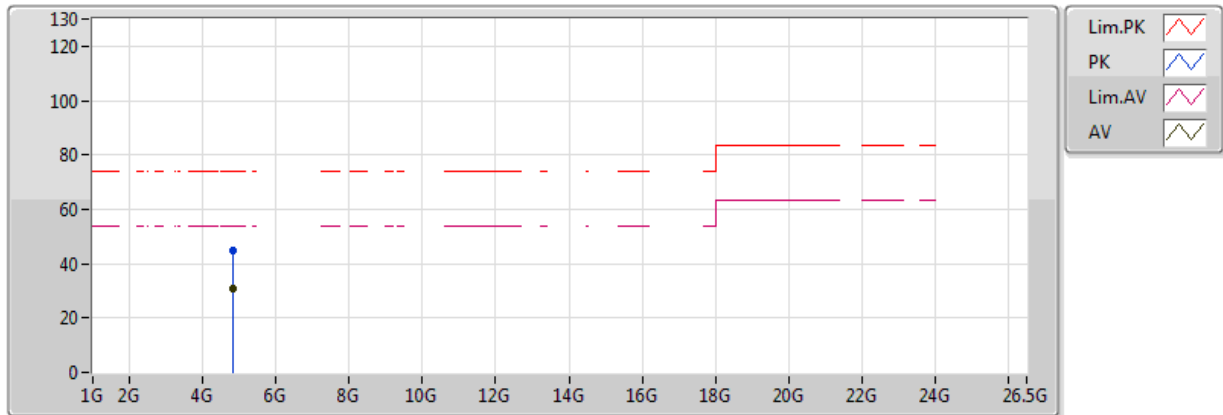


EUT = Y, ANT = X  
ANT = B

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 53.72    | 54.00    | -0.28  | 30.93  | 3    | Horizontal | 302     | 1.36   | -        | 22.78  | 27.31 | 3.62 | -    |
| AV   | 2.4182G | 100.86   | Inf      | -Inf   | 31.04  | 3    | Horizontal | 302     | 1.36   | -        | 69.82  | 27.39 | 3.65 | -    |
| PK   | 2.39G   | 71.63    | 74.00    | -2.37  | 30.93  | 3    | Horizontal | 302     | 1.36   | -        | 40.70  | 27.31 | 3.62 | -    |
| PK   | 2.4184G | 109.93   | Inf      | -Inf   | 31.04  | 3    | Horizontal | 302     | 1.36   | -        | 78.90  | 27.39 | 3.65 | -    |

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

### 2412MHz\_TX

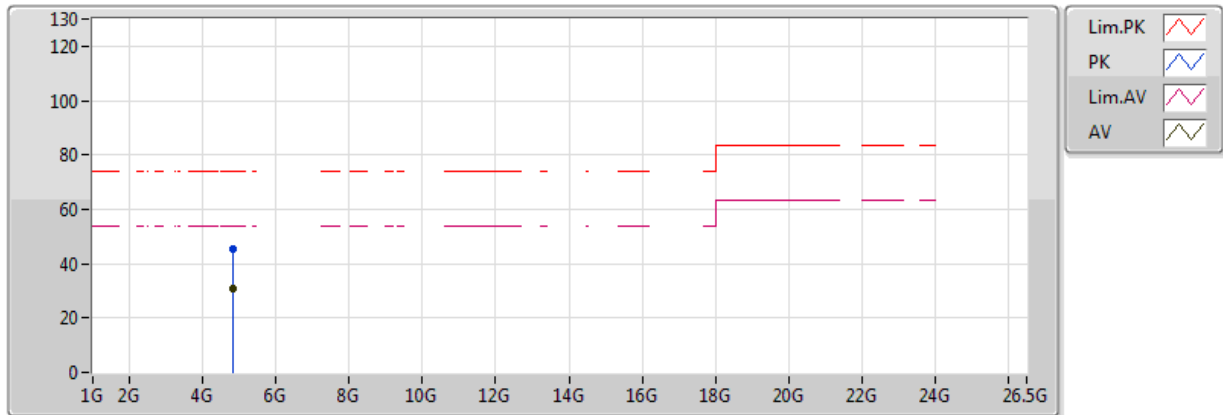


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.824G | 30.54    | 54.00    | -23.46 | 2.16   | 3    | Vertical  | 360     | 1.50   | -        | 28.38  | 31.28 | 5.41 | 34.53 |
| PK   | 4.824G | 45.05    | 74.00    | -28.95 | 2.16   | 3    | Vertical  | 360     | 1.50   | -        | 42.89  | 31.28 | 5.41 | 34.53 |

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

### 2412MHz\_TX

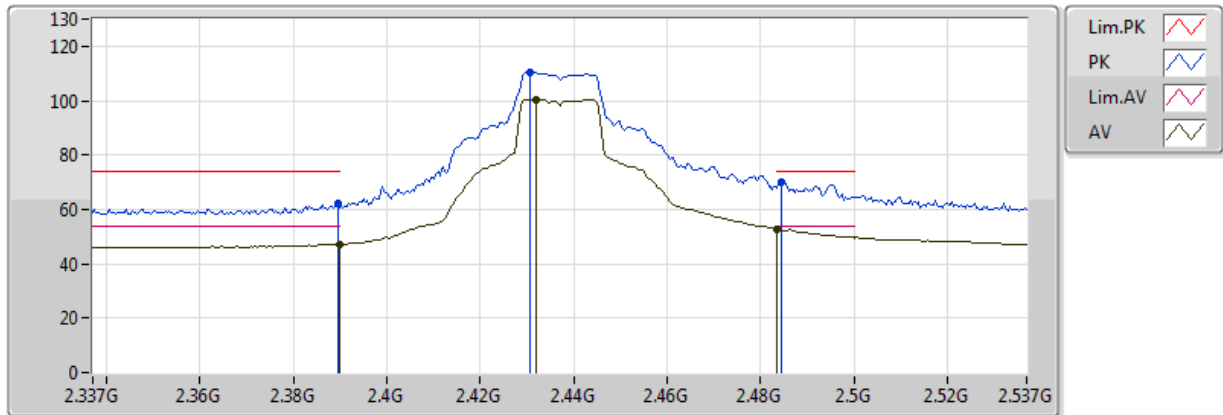


EUT = Y, ANT = X  
ANT = B

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 4.824G       | 30.78             | 54.00             | -23.22         | 2.16           | 3           | Horizontal | 0              | 1.50          | -        | 28.62         | 31.28      | 5.41       | 34.53      |
| PK   | 4.824G       | 45.14             | 74.00             | -28.86         | 2.16           | 3           | Horizontal | 0              | 1.50          | -        | 42.98         | 31.28      | 5.41       | 34.53      |

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

### 2437MHz\_TX

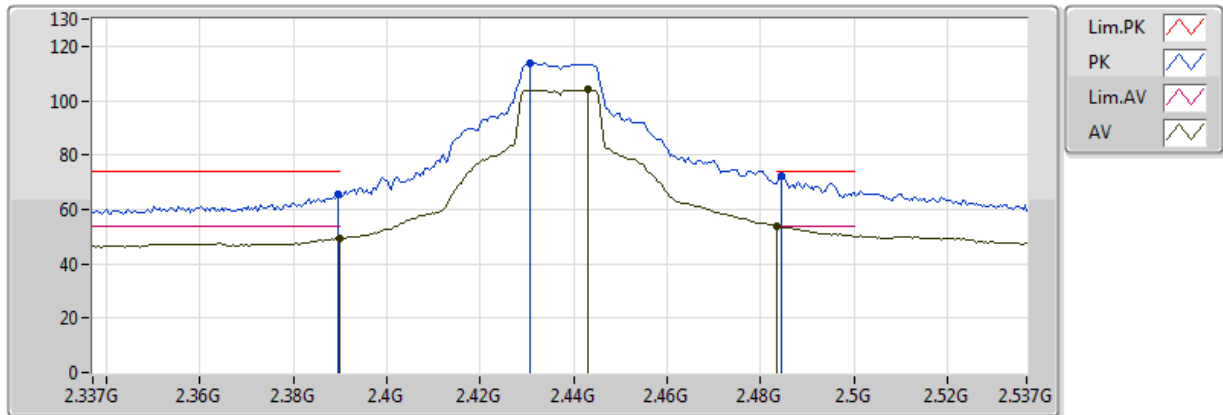


EUT = Y, ANT = X  
ANT = B

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 2.389998G    | 47.19             | 54.00             | -6.81          | 30.93          | 3           | Vertical  | 301            | 2.46          | -        | 16.25         | 27.31      | 3.62       | -          |
| AV   | 2.4318G      | 100.53            | Inf               | -Inf           | 31.08          | 3           | Vertical  | 301            | 2.46          | -        | 69.44         | 27.42      | 3.66       | -          |
| AV   | 2.483502G    | 52.76             | 54.00             | -1.24          | 31.27          | 3           | Vertical  | 301            | 2.46          | -        | 21.49         | 27.56      | 3.71       | -          |
| PK   | 2.3894G      | 62.40             | 74.00             | -11.60         | 30.93          | 3           | Vertical  | 301            | 2.46          | -        | 31.47         | 27.31      | 3.62       | -          |
| PK   | 2.4306G      | 110.57            | Inf               | -Inf           | 31.08          | 3           | Vertical  | 301            | 2.46          | -        | 79.49         | 27.42      | 3.66       | -          |
| PK   | 2.4846G      | 70.17             | 74.00             | -3.83          | 31.27          | 3           | Vertical  | 301            | 2.46          | -        | 38.90         | 27.56      | 3.71       | -          |

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

### 2437MHz\_TX

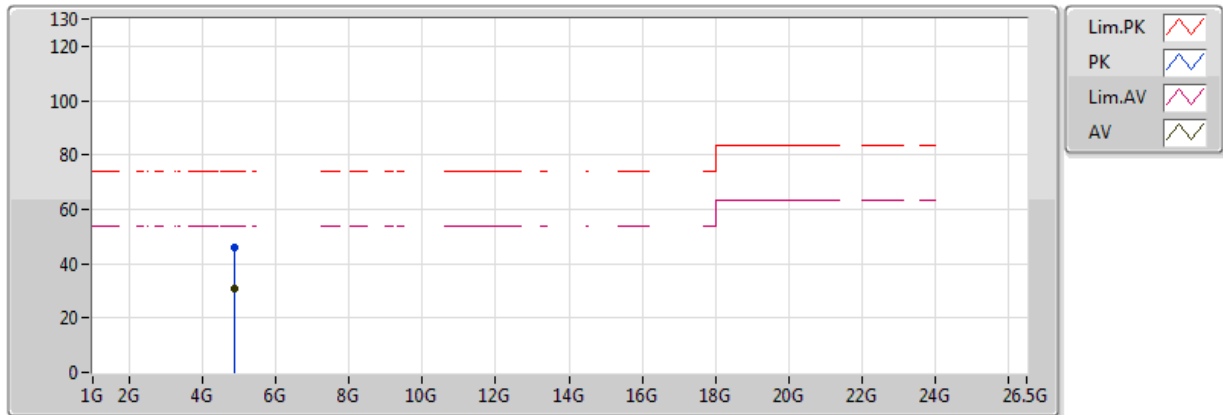


EUT = Y, ANT = X  
ANT = B

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 2.389998G    | 49.35             | 54.00             | -4.65          | 30.93          | 3           | Horizontal | 301            | 1.29          | -        | 18.41         | 27.31      | 3.62       | -          |
| AV   | 2.443G       | 103.99            | Inf               | -Inf           | 31.12          | 3           | Horizontal | 301            | 1.29          | -        | 72.87         | 27.45      | 3.67       | -          |
| AV   | 2.483502G    | 53.76             | 54.00             | -0.24          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        | 22.49         | 27.56      | 3.71       | -          |
| PK   | 2.3894G      | 65.40             | 74.00             | -8.60          | 30.93          | 3           | Horizontal | 301            | 1.29          | -        | 34.47         | 27.31      | 3.62       | -          |
| PK   | 2.4306G      | 113.82            | Inf               | -Inf           | 31.08          | 3           | Horizontal | 301            | 1.29          | -        | 82.74         | 27.42      | 3.66       | -          |
| PK   | 2.4846G      | 72.20             | 74.00             | -1.80          | 31.27          | 3           | Horizontal | 301            | 1.29          | -        | 40.93         | 27.56      | 3.71       | -          |

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

### 2437MHz\_TX

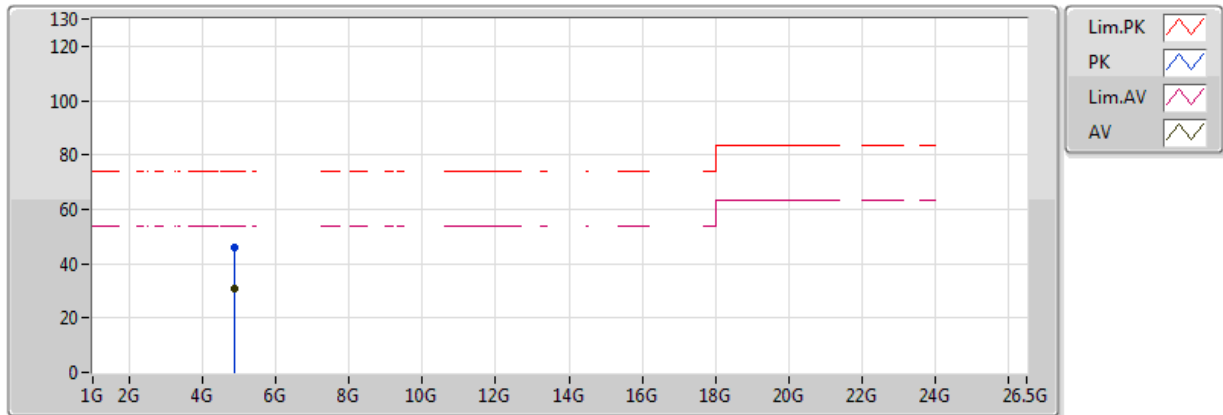


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 30.68    | 54.00    | -23.32 | 2.32   | 3    | Vertical  | 0       | 1.50   | -        | 28.36  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 45.73    | 74.00    | -28.27 | 2.32   | 3    | Vertical  | 0       | 1.50   | -        | 43.41  | 31.37 | 5.46 | 34.52 |

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

### 2437MHz\_TX

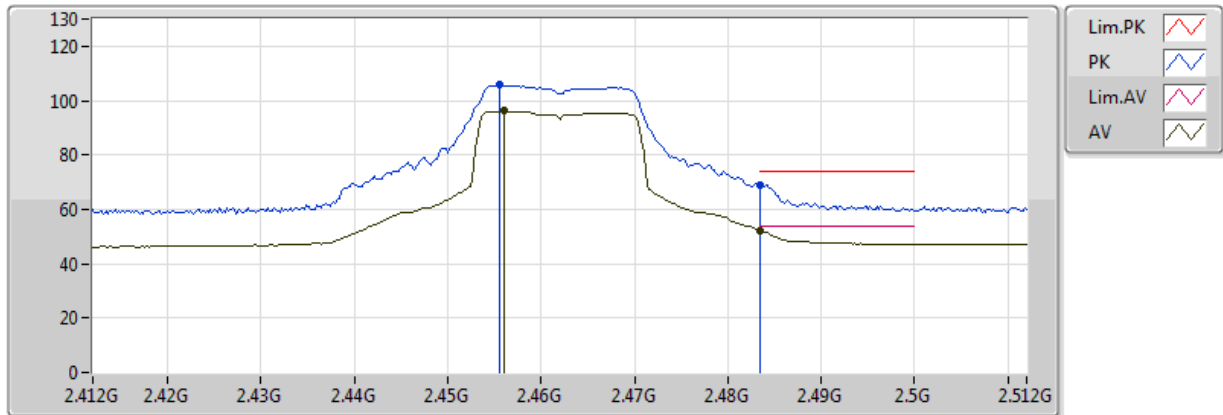


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 30.88    | 54.00    | -23.12 | 2.32   | 3    | Horizontal | 360     | 1.50   | -        | 28.56  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 46.08    | 74.00    | -27.92 | 2.32   | 3    | Horizontal | 360     | 1.50   | -        | 43.76  | 31.37 | 5.46 | 34.52 |

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

### 2462MHz\_TX

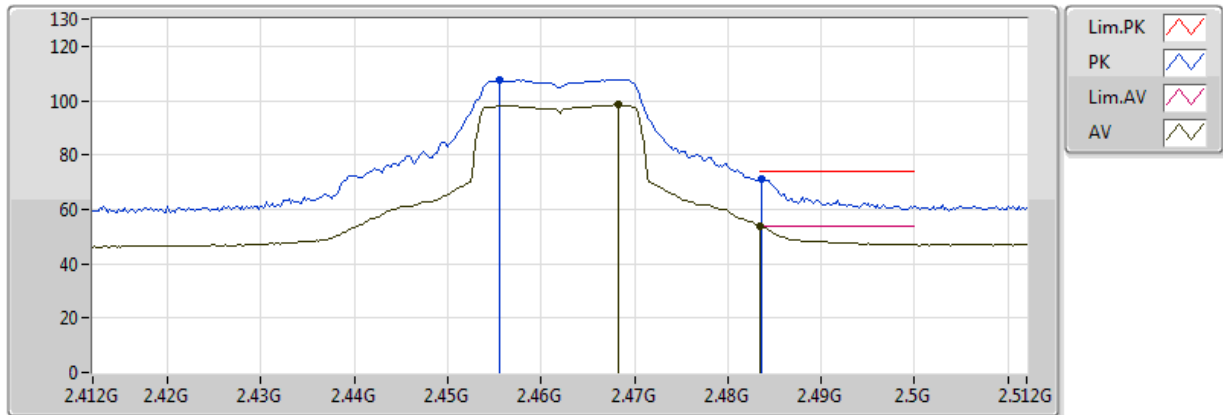


EUT = Y, ANT = X  
ANT = B

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.456G    | 96.12    | Inf      | -Inf   | 31.17  | 3    | Vertical  | 301     | 2.16   | -        | 64.95  | 27.49 | 3.69 | -    |
| AV   | 2.483502G | 52.23    | 54.00    | -1.77  | 31.27  | 3    | Vertical  | 301     | 2.16   | -        | 20.96  | 27.56 | 3.71 | -    |
| PK   | 2.4556G   | 106.05   | Inf      | -Inf   | 31.17  | 3    | Vertical  | 301     | 2.16   | -        | 74.88  | 27.48 | 3.69 | -    |
| PK   | 2.483502G | 68.69    | 74.00    | -5.31  | 31.27  | 3    | Vertical  | 301     | 2.16   | -        | 37.42  | 27.56 | 3.71 | -    |

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

### 2462MHz\_TX

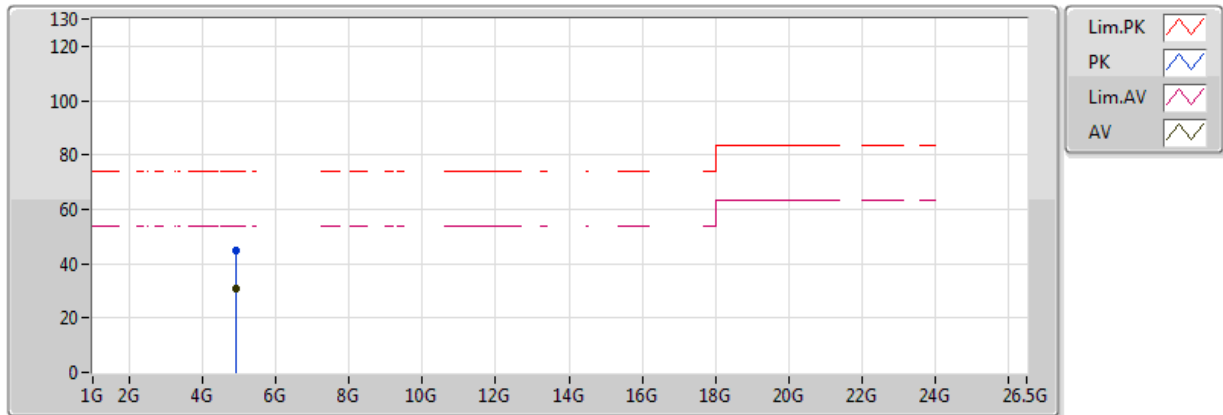


EUT = Y, ANT = X  
ANT = B

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.4682G   | 98.50    | Inf      | -Inf   | 31.22  | 3    | Horizontal | 303     | 1.23   | -        | 67.28  | 27.52 | 3.70 | -    |
| AV   | 2.483502G | 53.81    | 54.00    | -0.19  | 31.27  | 3    | Horizontal | 303     | 1.23   | -        | 22.54  | 27.56 | 3.71 | -    |
| PK   | 2.4556G   | 107.84   | Inf      | -Inf   | 31.17  | 3    | Horizontal | 303     | 1.23   | -        | 76.67  | 27.48 | 3.69 | -    |
| PK   | 2.4836G   | 71.13    | 74.00    | -2.87  | 31.27  | 3    | Horizontal | 303     | 1.23   | -        | 39.86  | 27.56 | 3.71 | -    |

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

### 2462MHz\_TX

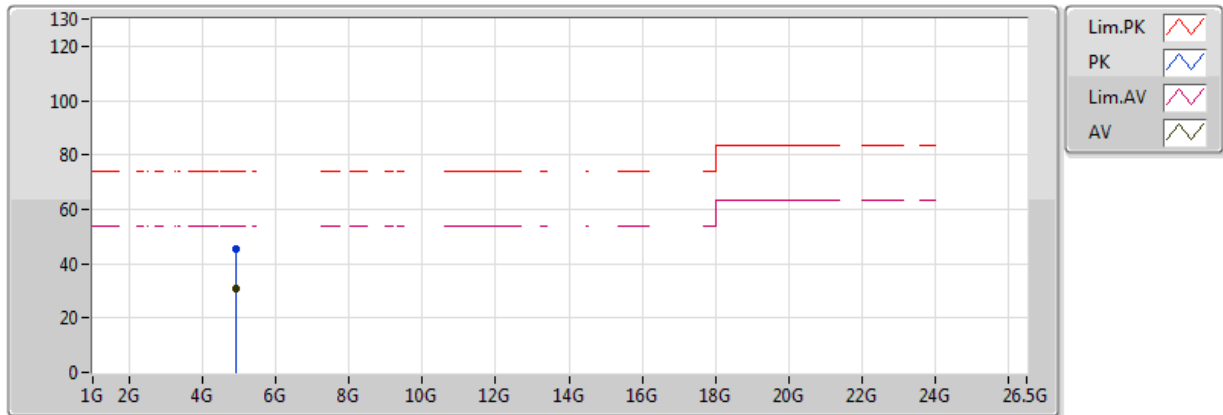


EUT = Y, ANT = X  
ANT = B

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 4.924G       | 30.70             | 54.00             | -23.30         | 2.48           | 3           | Vertical  | 360            | 1.50          | -        | 28.22         | 31.46      | 5.52       | 34.50      |
| PK   | 4.924G       | 44.89             | 74.00             | -29.11         | 2.48           | 3           | Vertical  | 360            | 1.50          | -        | 42.41         | 31.46      | 5.52       | 34.50      |

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

### 2462MHz\_TX

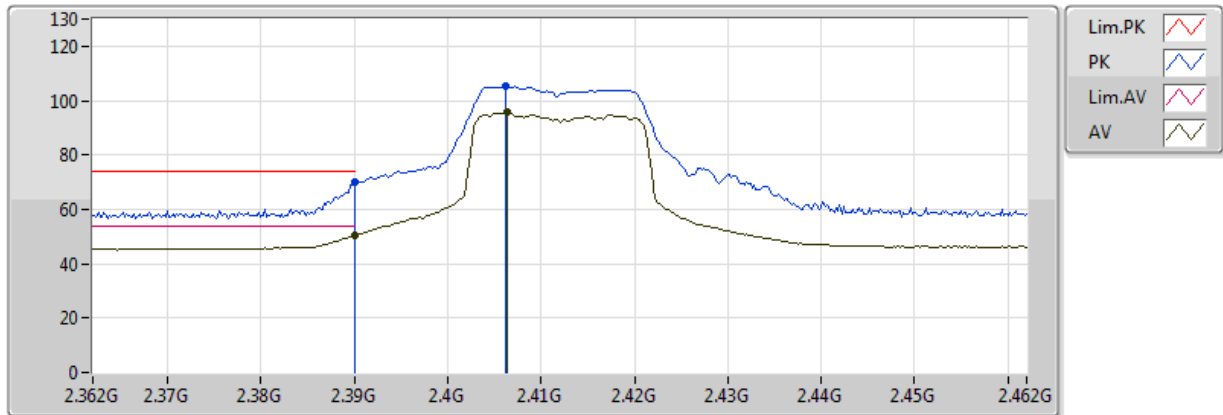


EUT = Y, ANT = X  
ANT = B

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.924G | 30.89    | 54.00    | -23.11 | 2.48   | 3    | Horizontal | 0       | 1.50   | -        | 28.41  | 31.46 | 5.52 | 34.50 |
| PK   | 4.924G | 45.48    | 74.00    | -28.52 | 2.48   | 3    | Horizontal | 0       | 1.50   | -        | 43.00  | 31.46 | 5.52 | 34.50 |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

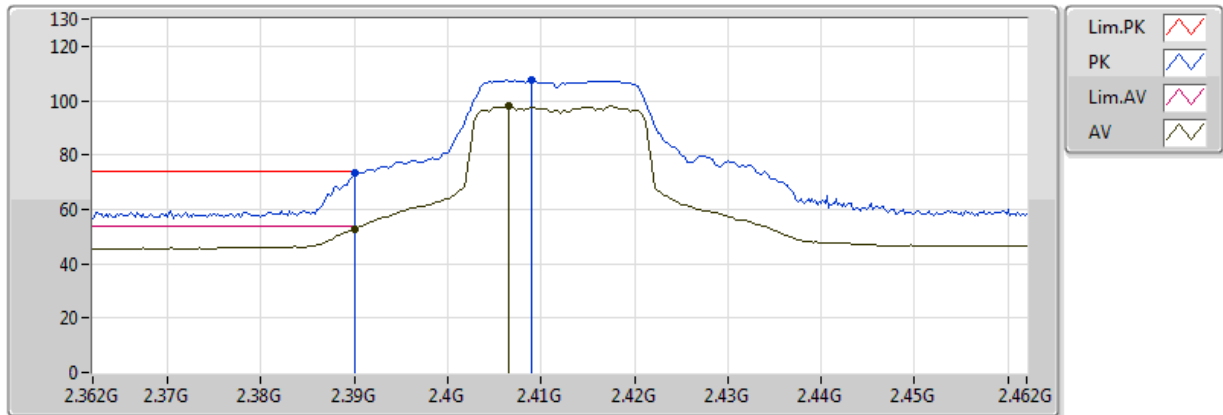


EUT = Y, ANT = X

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 50.49    | 54.00    | -3.51  | 31.45  | 3    | Vertical  | 30      | 2.71   | -        | 19.04  | 27.21 | 4.23 | -    |
| AV   | 2.4064G | 95.55    | Inf      | -Inf   | 31.50  | 3    | Vertical  | 30      | 2.71   | -        | 64.05  | 27.26 | 4.25 | -    |
| PK   | 2.39G   | 70.32    | 74.00    | -3.68  | 31.45  | 3    | Vertical  | 30      | 2.71   | -        | 38.88  | 27.21 | 4.23 | -    |
| PK   | 2.4062G | 105.40   | Inf      | -Inf   | 31.50  | 3    | Vertical  | 30      | 2.71   | -        | 73.89  | 27.26 | 4.25 | -    |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

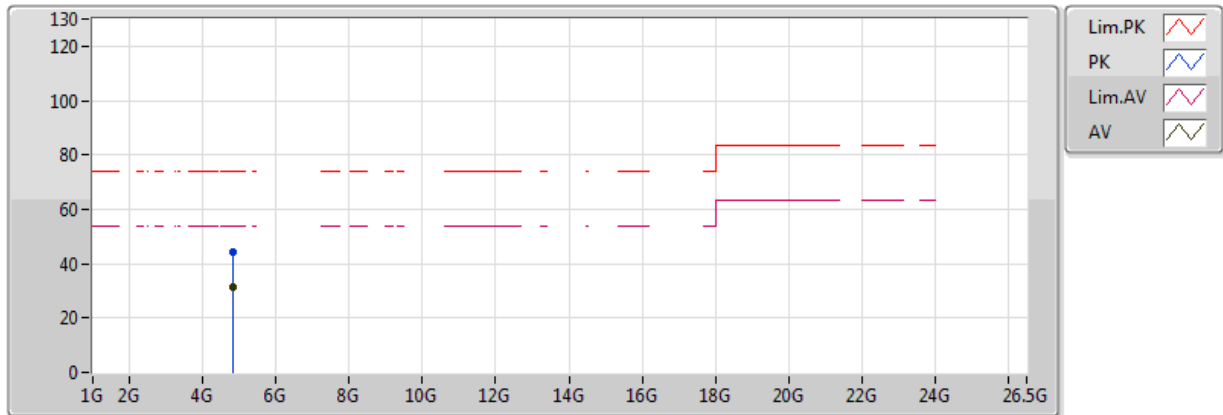


EUT = Y, ANT = X

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 52.86    | 54.00    | -1.14  | 31.45  | 3    | Horizontal | 23      | 1.09   | -        | 21.42  | 27.21 | 4.23 | -    |
| AV   | 2.4066G | 97.87    | Inf      | -Inf   | 31.50  | 3    | Horizontal | 23      | 1.09   | -        | 66.37  | 27.26 | 4.25 | -    |
| PK   | 2.39G   | 73.26    | 74.00    | -0.74  | 31.45  | 3    | Horizontal | 23      | 1.09   | -        | 41.82  | 27.21 | 4.23 | -    |
| PK   | 2.409G  | 107.68   | Inf      | -Inf   | 31.51  | 3    | Horizontal | 23      | 1.09   | -        | 76.17  | 27.26 | 4.25 | -    |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2412MHz\_TX

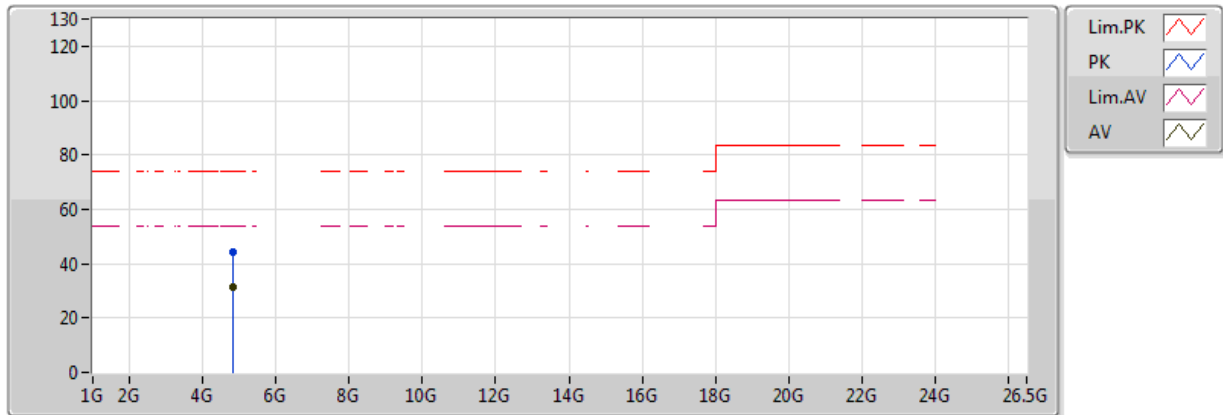


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.824G | 31.28    | 54.00    | -22.72 | 2.16   | 3    | Vertical  | 220     | 1.60   | -        | 29.12  | 31.28 | 5.41 | 34.53 |
| PK   | 4.824G | 44.12    | 74.00    | -29.88 | 2.16   | 3    | Vertical  | 220     | 1.60   | -        | 41.96  | 31.28 | 5.41 | 34.53 |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

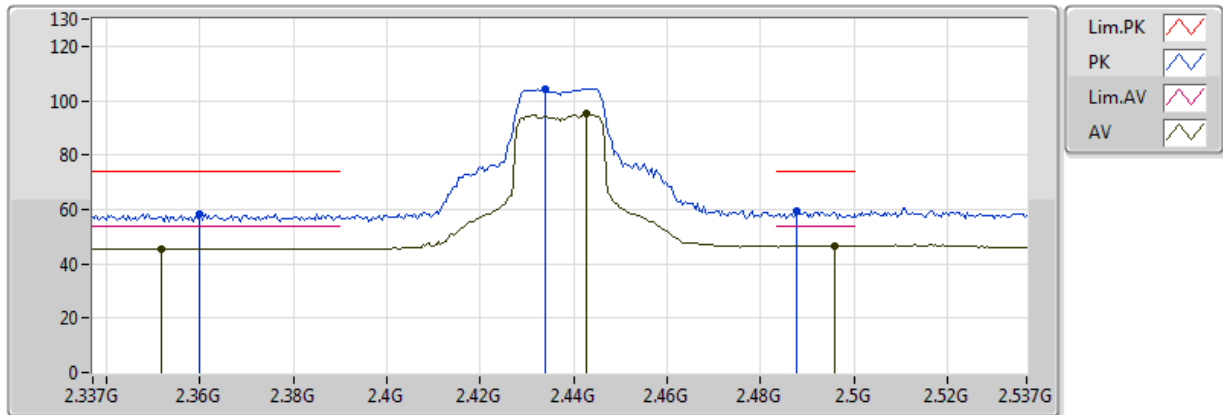


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.824G | 31.29    | 54.00    | -22.71 | 2.16   | 3    | Horizontal | 221     | 2.02   | -        | 29.13  | 31.28 | 5.41 | 34.53 |
| PK   | 4.824G | 44.33    | 74.00    | -29.67 | 2.16   | 3    | Horizontal | 221     | 2.02   | -        | 42.17  | 31.28 | 5.41 | 34.53 |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

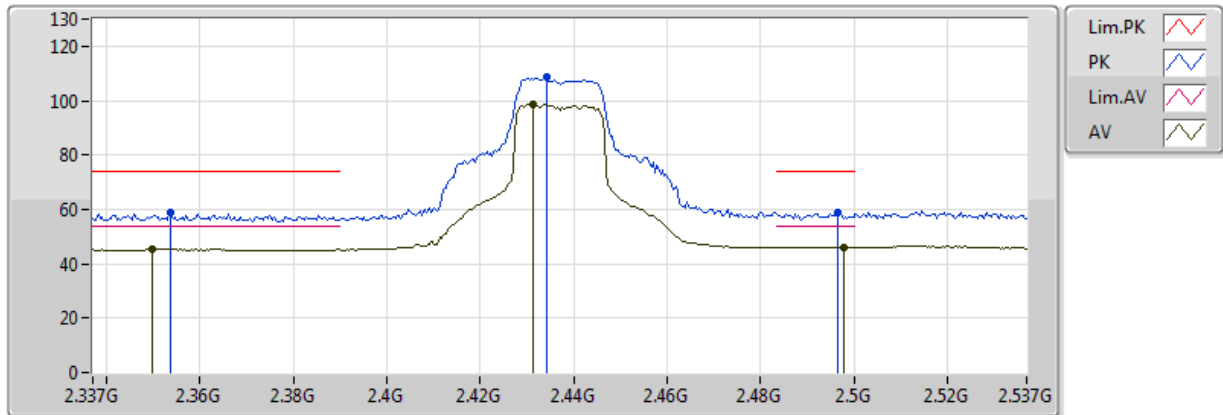


EUT = Y, ANT = X

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.3518G | 45.58    | 54.00    | -8.42  | 31.31  | 3    | Vertical  | 290     | 1.04   | -        | 14.27  | 27.11 | 4.20 | -    |
| AV   | 2.4426G | 95.13    | Inf      | -Inf   | 31.63  | 3    | Vertical  | 290     | 1.04   | -        | 63.50  | 27.35 | 4.28 | -    |
| AV   | 2.4958G | 46.52    | 54.00    | -7.48  | 31.82  | 3    | Vertical  | 290     | 1.04   | -        | 14.69  | 27.49 | 4.34 | -    |
| PK   | 2.3598G | 58.53    | 74.00    | -15.47 | 31.34  | 3    | Vertical  | 290     | 1.04   | -        | 27.19  | 27.14 | 4.20 | -    |
| PK   | 2.4338G | 104.40   | Inf      | -Inf   | 31.60  | 3    | Vertical  | 290     | 1.04   | -        | 72.80  | 27.33 | 4.27 | -    |
| PK   | 2.4878G | 59.28    | 74.00    | -14.72 | 31.80  | 3    | Vertical  | 290     | 1.04   | -        | 27.48  | 27.47 | 4.33 | -    |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

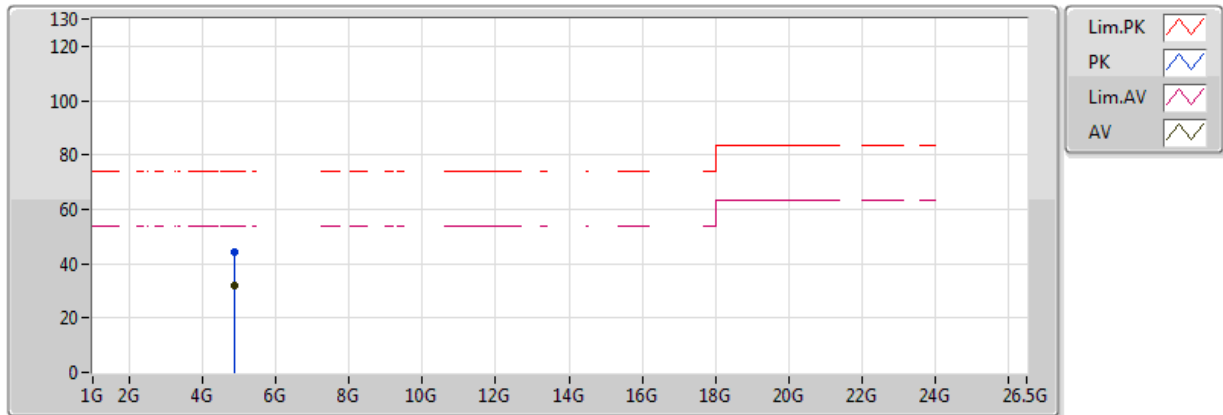


EUT = Y, ANT = X

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.3498G | 45.40    | 54.00    | -8.60  | 30.79  | 3    | Horizontal | 22      | 1.55   | -        | 14.61  | 27.21 | 3.58 | -    |
| AV   | 2.4314G | 98.87    | Inf      | -Inf   | 31.08  | 3    | Horizontal | 22      | 1.55   | -        | 67.79  | 27.42 | 3.66 | -    |
| AV   | 2.4978G | 46.07    | 54.00    | -7.93  | 31.32  | 3    | Horizontal | 22      | 1.55   | -        | 14.75  | 27.59 | 3.73 | -    |
| PK   | 2.3538G | 58.84    | 74.00    | -15.16 | 30.81  | 3    | Horizontal | 22      | 1.55   | -        | 28.03  | 27.22 | 3.59 | -    |
| PK   | 2.4342G | 108.43   | Inf      | -Inf   | 31.09  | 3    | Horizontal | 22      | 1.55   | -        | 77.34  | 27.43 | 3.66 | -    |
| PK   | 2.4966G | 58.77    | 74.00    | -15.23 | 31.32  | 3    | Horizontal | 22      | 1.55   | -        | 27.45  | 27.59 | 3.73 | -    |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

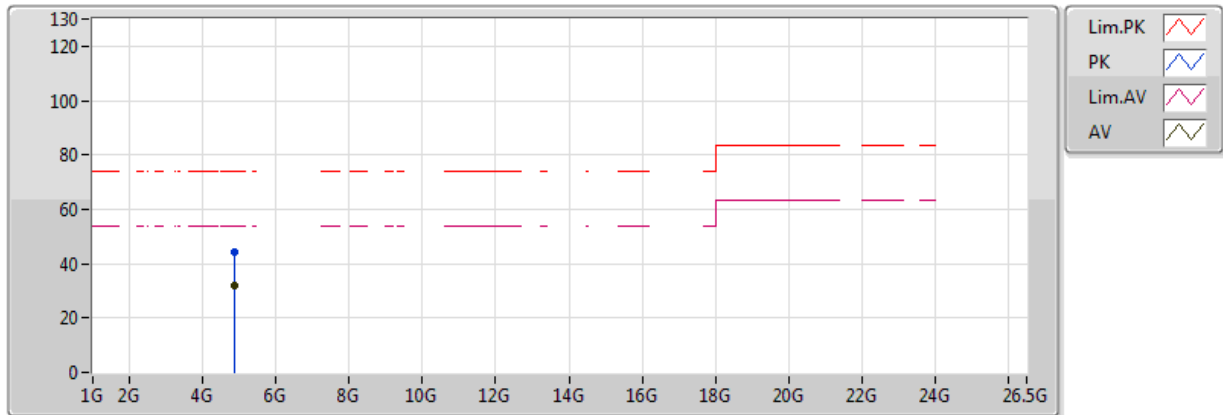


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 31.82    | 54.00    | -22.18 | 2.32   | 3    | Vertical  | 84      | 1.12   | -        | 29.50  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 44.27    | 74.00    | -29.73 | 2.32   | 3    | Vertical  | 84      | 1.12   | -        | 41.95  | 31.37 | 5.46 | 34.52 |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

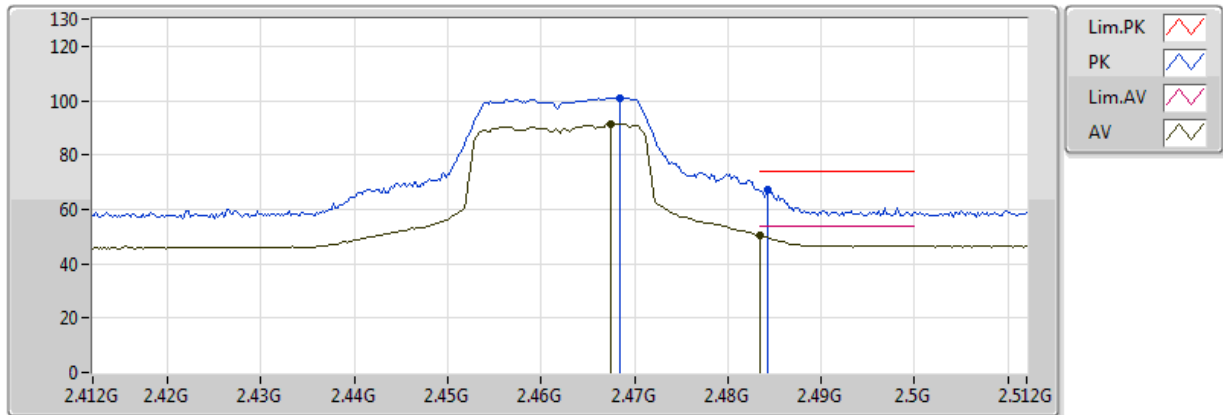


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 31.81    | 54.00    | -22.19 | 2.32   | 3    | Horizontal | 107     | 1.77   | -        | 29.49  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 44.11    | 74.00    | -29.89 | 2.32   | 3    | Horizontal | 107     | 1.77   | -        | 41.79  | 31.37 | 5.46 | 34.52 |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

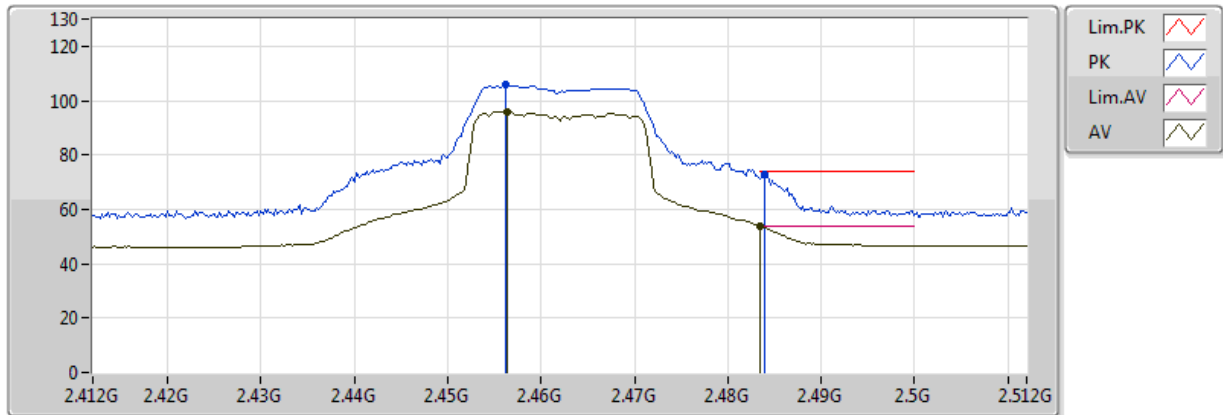


EUT = Y, ANT = X

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.4674G   | 91.57    | Inf      | -Inf   | 31.72  | 3    | Vertical  | 289     | 2.05   | -        | 59.84  | 27.42 | 4.31 | -    |
| AV   | 2.483502G | 50.39    | 54.00    | -3.61  | 31.78  | 3    | Vertical  | 289     | 2.05   | -        | 18.61  | 27.46 | 4.32 | -    |
| PK   | 2.4684G   | 100.80   | Inf      | -Inf   | 31.73  | 3    | Vertical  | 289     | 2.05   | -        | 69.08  | 27.42 | 4.31 | -    |
| PK   | 2.4842G   | 67.16    | 74.00    | -6.84  | 31.78  | 3    | Vertical  | 289     | 2.05   | -        | 35.38  | 27.46 | 4.32 | -    |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

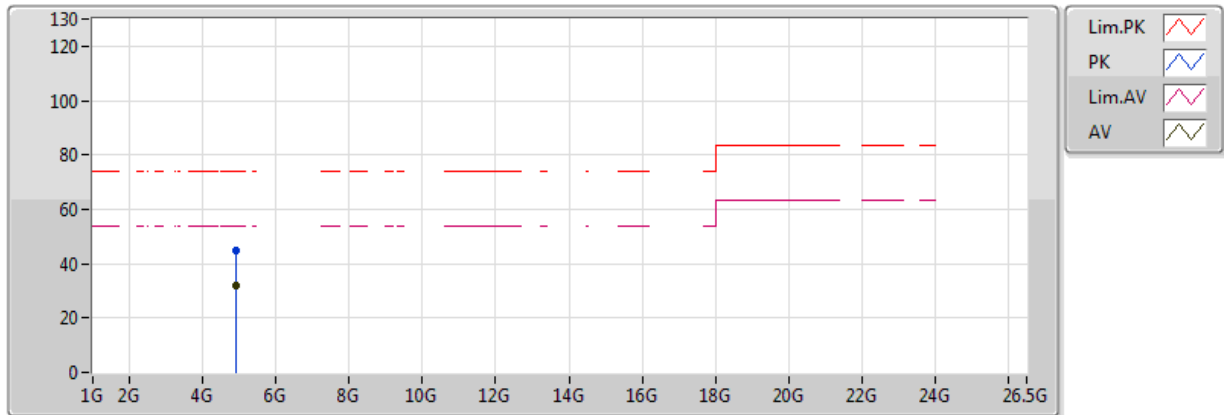


EUT = Y, ANT = X

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.4564G   | 95.99    | Inf      | -Inf   | 31.68  | 3    | Horizontal | 21      | 1.50   | -        | 64.31  | 27.39 | 4.30 | -    |
| AV   | 2.483502G | 53.67    | 54.00    | -0.33  | 31.78  | 3    | Horizontal | 21      | 1.50   | -        | 21.89  | 27.46 | 4.32 | -    |
| PK   | 2.4562G   | 105.64   | Inf      | -Inf   | 31.68  | 3    | Horizontal | 21      | 1.50   | -        | 73.96  | 27.39 | 4.30 | -    |
| PK   | 2.484G    | 72.70    | 74.00    | -1.30  | 31.78  | 3    | Horizontal | 21      | 1.50   | -        | 40.92  | 27.46 | 4.32 | -    |

# 802.11n HT20\_Nss1,(MCS0)\_2TX

## 2462MHz\_TX

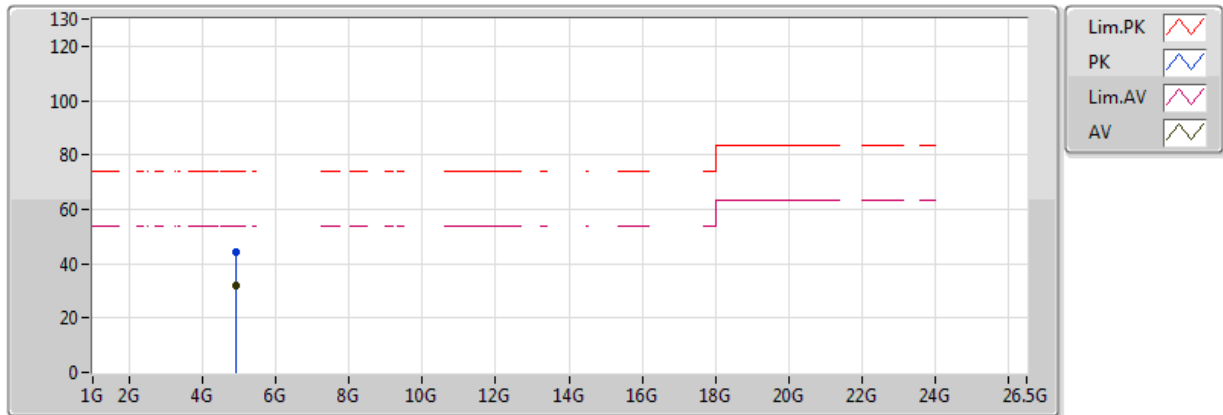


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.924G | 31.90    | 54.00    | -22.10 | 2.48   | 3    | Vertical  | 199     | 1.63   | -        | 29.42  | 31.46 | 5.52 | 34.50 |
| PK   | 4.924G | 44.64    | 74.00    | -29.36 | 2.48   | 3    | Vertical  | 199     | 1.63   | -        | 42.16  | 31.46 | 5.52 | 34.50 |

## 802.11n HT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

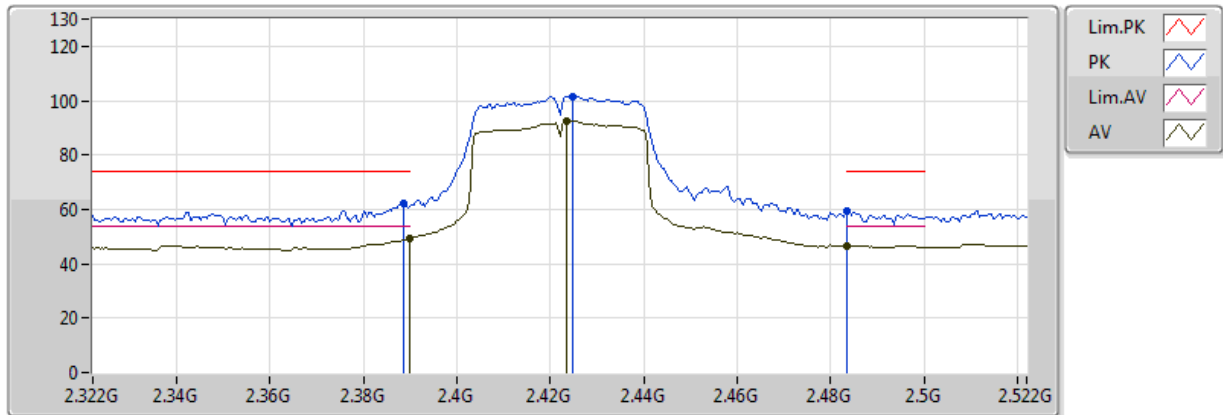


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.924G | 31.86    | 54.00    | -22.14 | 2.48   | 3    | Horizontal | 358     | 1.95   | -        | 29.38  | 31.46 | 5.52 | 34.50 |
| PK   | 4.924G | 44.38    | 74.00    | -29.62 | 2.48   | 3    | Horizontal | 358     | 1.95   | -        | 41.90  | 31.46 | 5.52 | 34.50 |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

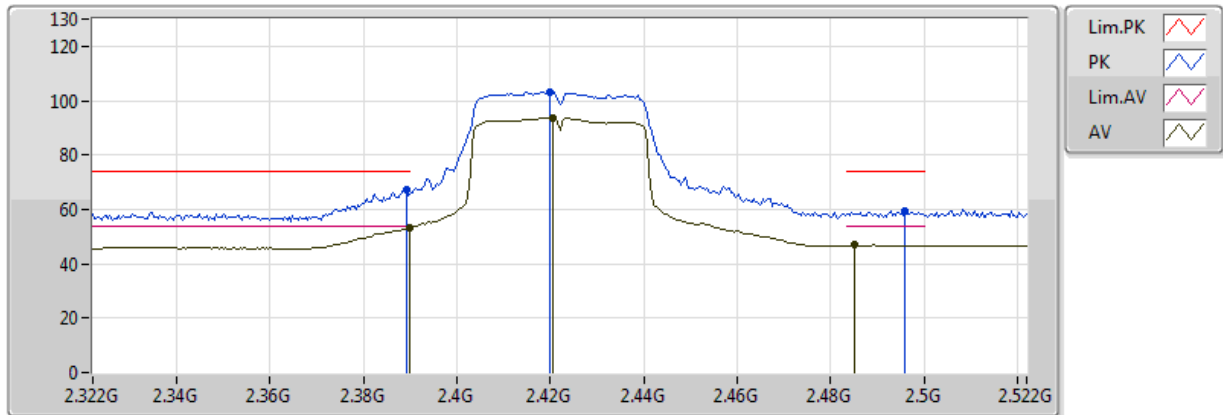


EUT = Y, ANT = X

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 49.27    | 54.00    | -4.73  | 30.93  | 3    | Vertical  | 279     | 1.02   | -        | 18.34  | 27.31 | 3.62 | -    |
| AV   | 2.4236G | 92.39    | Inf      | -Inf   | 31.05  | 3    | Vertical  | 279     | 1.02   | -        | 61.33  | 27.40 | 3.65 | -    |
| AV   | 2.4836G | 46.60    | 54.00    | -7.40  | 31.27  | 3    | Vertical  | 279     | 1.02   | -        | 15.33  | 27.56 | 3.71 | -    |
| PK   | 2.3884G | 61.96    | 74.00    | -12.04 | 30.93  | 3    | Vertical  | 279     | 1.02   | -        | 31.03  | 27.31 | 3.62 | -    |
| PK   | 2.4248G | 101.42   | Inf      | -Inf   | 31.06  | 3    | Vertical  | 279     | 1.02   | -        | 70.37  | 27.40 | 3.65 | -    |
| PK   | 2.4836G | 59.43    | 74.00    | -14.57 | 31.27  | 3    | Vertical  | 279     | 1.02   | -        | 28.15  | 27.56 | 3.71 | -    |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

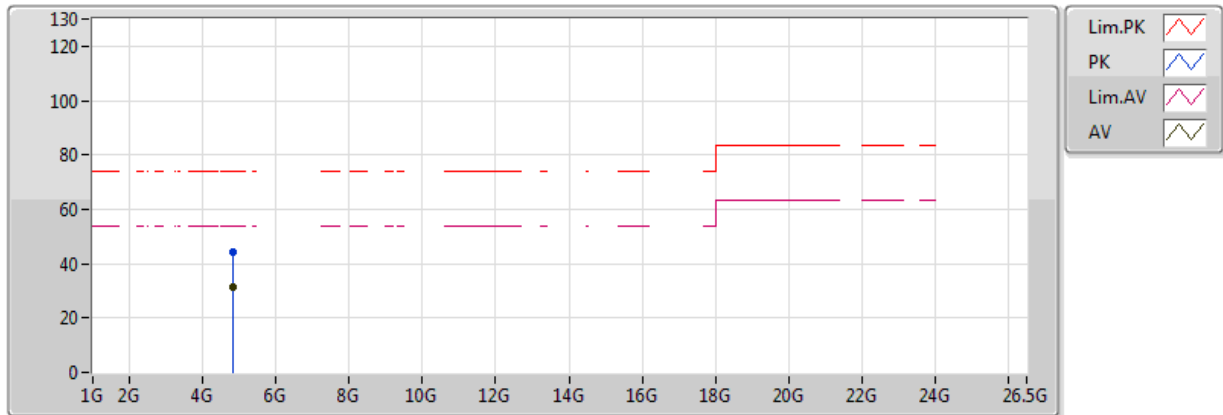


EUT = Y, ANT = X

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 53.30    | 54.00    | -0.70  | 31.45  | 3    | Horizontal | 21      | 1.33   | -        | 21.86  | 27.21 | 4.23 | -    |
| AV   | 2.4204G | 93.68    | Inf      | -Inf   | 31.55  | 3    | Horizontal | 21      | 1.33   | -        | 62.13  | 27.29 | 4.26 | -    |
| AV   | 2.4852G | 46.82    | 54.00    | -7.18  | 31.79  | 3    | Horizontal | 21      | 1.33   | -        | 15.04  | 27.46 | 4.33 | -    |
| PK   | 2.3892G | 67.47    | 74.00    | -6.53  | 31.44  | 3    | Horizontal | 21      | 1.33   | -        | 36.03  | 27.21 | 4.23 | -    |
| PK   | 2.42G   | 103.38   | Inf      | -Inf   | 31.55  | 3    | Horizontal | 21      | 1.33   | -        | 71.82  | 27.29 | 4.26 | -    |
| PK   | 2.496G  | 59.46    | 74.00    | -14.54 | 31.83  | 3    | Horizontal | 21      | 1.33   | -        | 27.63  | 27.49 | 4.34 | -    |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

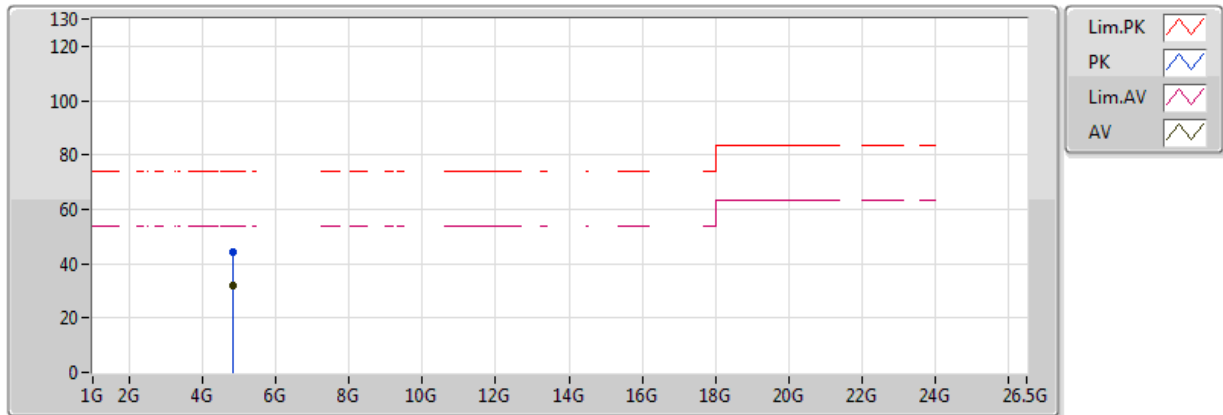


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.844G | 31.60    | 54.00    | -22.40 | 2.23   | 3    | Vertical  | 85      | 2.30   | -        | 29.37  | 31.32 | 5.43 | 34.52 |
| PK   | 4.844G | 44.46    | 74.00    | -29.54 | 2.23   | 3    | Vertical  | 85      | 2.30   | -        | 42.23  | 31.32 | 5.43 | 34.52 |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2422MHz\_TX

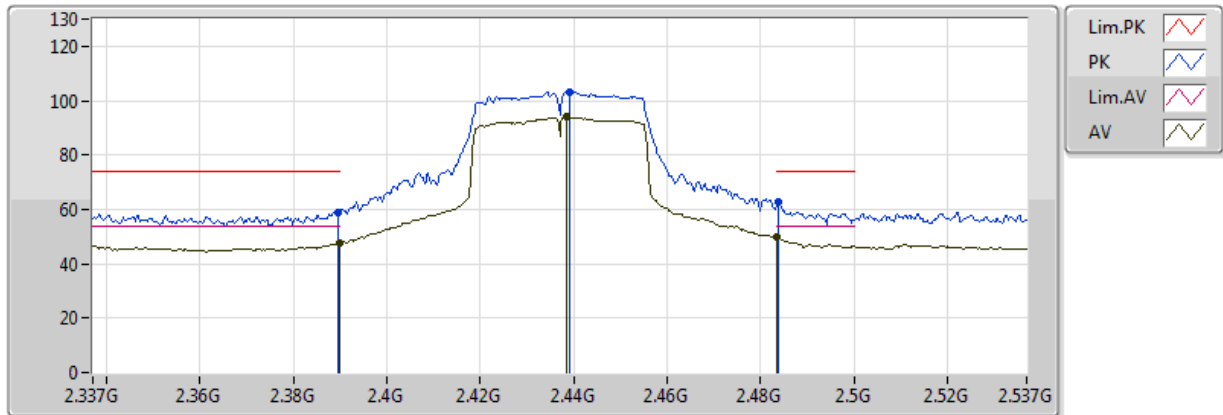


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.844G | 31.74    | 54.00    | -22.26 | 2.23   | 3    | Horizontal | 124     | 2.34   | -        | 29.51  | 31.32 | 5.43 | 34.52 |
| PK   | 4.844G | 44.53    | 74.00    | -29.47 | 2.23   | 3    | Horizontal | 124     | 2.34   | -        | 42.30  | 31.32 | 5.43 | 34.52 |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

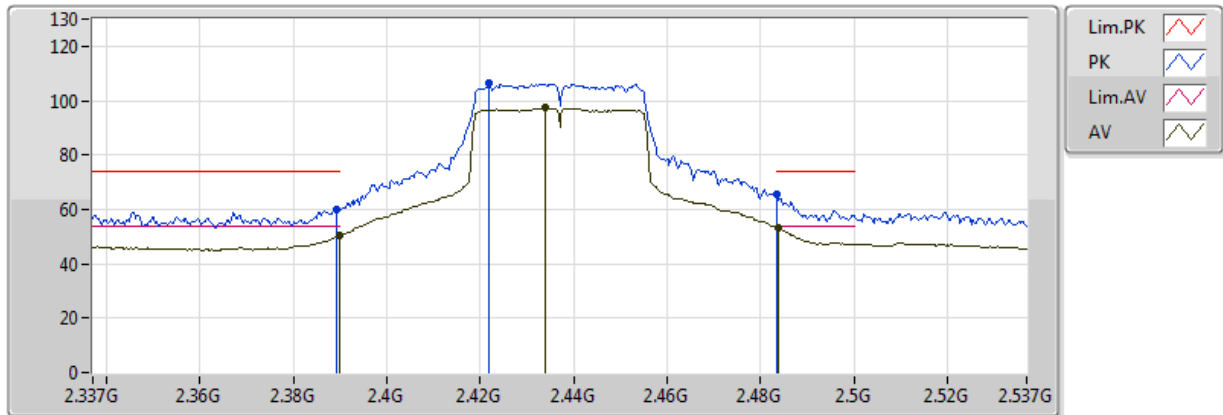


EUT = Y, ANT = X

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 2.389998G    | 47.38             | 54.00             | -6.62          | 30.93          | 3           | Vertical  | 53             | 1.43          | -        | 16.45         | 27.31      | 3.62       | -          |
| AV   | 2.438449G    | 93.97             | Inf               | -Inf           | 31.11          | 3           | Vertical  | 53             | 1.43          | -        | 62.86         | 27.44      | 3.67       | -          |
| AV   | 2.483502G    | 49.62             | 54.00             | -4.38          | 31.27          | 3           | Vertical  | 53             | 1.43          | -        | 18.35         | 27.56      | 3.71       | -          |
| PK   | 2.389464G    | 59.04             | 74.00             | -14.96         | 30.93          | 3           | Vertical  | 53             | 1.43          | -        | 28.10         | 27.31      | 3.62       | -          |
| PK   | 2.439029G    | 103.19            | Inf               | -Inf           | 31.11          | 3           | Vertical  | 53             | 1.43          | -        | 72.08         | 27.44      | 3.67       | -          |
| PK   | 2.483667G    | 62.64             | 74.00             | -11.36         | 31.27          | 3           | Vertical  | 53             | 1.43          | -        | 31.37         | 27.56      | 3.71       | -          |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

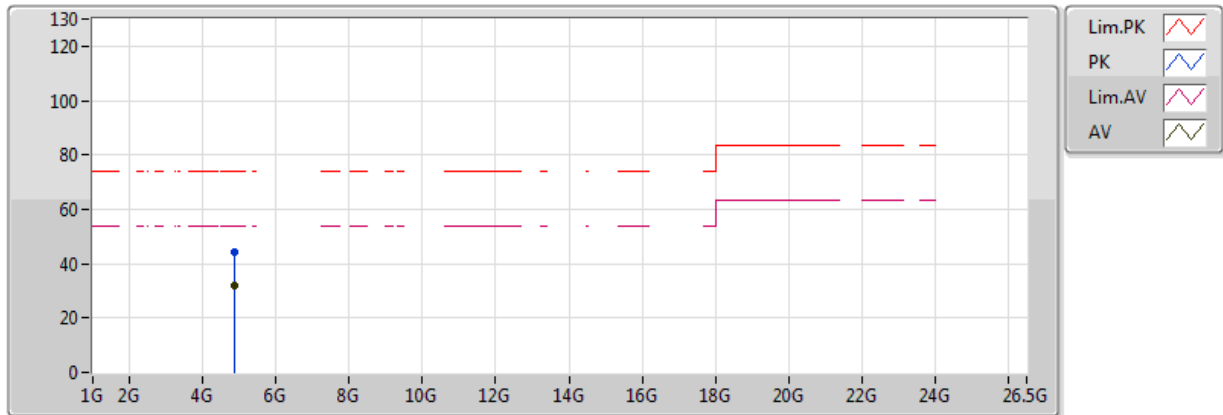


EUT = Y, ANT = X

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.389998G | 50.71    | 54.00    | -3.29  | 30.93  | 3    | Horizontal | 356     | 2.19   | -        | 19.78  | 27.31 | 3.62 | -    |
| AV   | 2.433812G | 97.29    | Inf      | -Inf   | 31.09  | 3    | Horizontal | 356     | 2.19   | -        | 66.20  | 27.43 | 3.66 | -    |
| AV   | 2.483667G | 53.44    | 54.00    | -0.56  | 31.27  | 3    | Horizontal | 356     | 2.19   | -        | 22.17  | 27.56 | 3.71 | -    |
| PK   | 2.389174G | 60.22    | 74.00    | -13.78 | 30.93  | 3    | Horizontal | 356     | 2.19   | -        | 29.29  | 27.31 | 3.62 | -    |
| PK   | 2.421928G | 106.29   | Inf      | -Inf   | 31.05  | 3    | Horizontal | 356     | 2.19   | -        | 75.24  | 27.40 | 3.65 | -    |
| PK   | 2.483502G | 65.68    | 74.00    | -8.32  | 31.27  | 3    | Horizontal | 356     | 2.19   | -        | 34.41  | 27.56 | 3.71 | -    |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

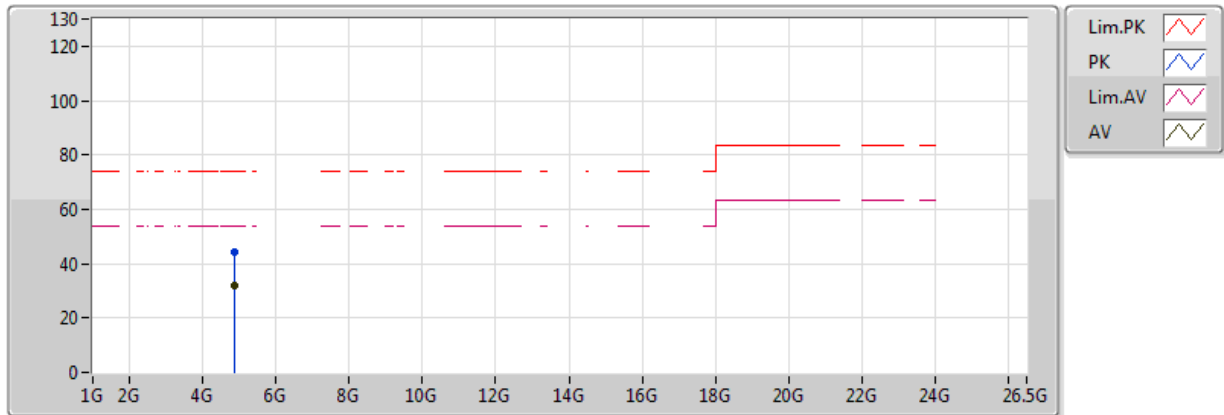


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 32.04    | 54.00    | -21.96 | 2.32   | 3    | Vertical  | 60      | 1.03   | -        | 29.72  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 44.41    | 74.00    | -29.59 | 2.32   | 3    | Vertical  | 60      | 1.03   | -        | 42.09  | 31.37 | 5.46 | 34.52 |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2437MHz\_TX

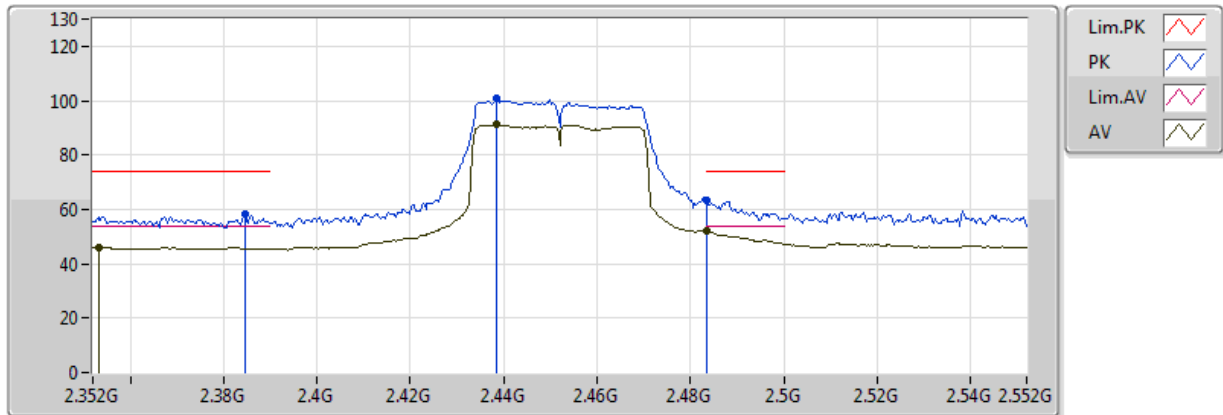


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.874G | 32.04    | 54.00    | -21.96 | 2.32   | 3    | Horizontal | 315     | 2.30   | -        | 29.72  | 31.37 | 5.46 | 34.52 |
| PK   | 4.874G | 44.25    | 74.00    | -29.75 | 2.32   | 3    | Horizontal | 315     | 2.30   | -        | 41.93  | 31.37 | 5.46 | 34.52 |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX

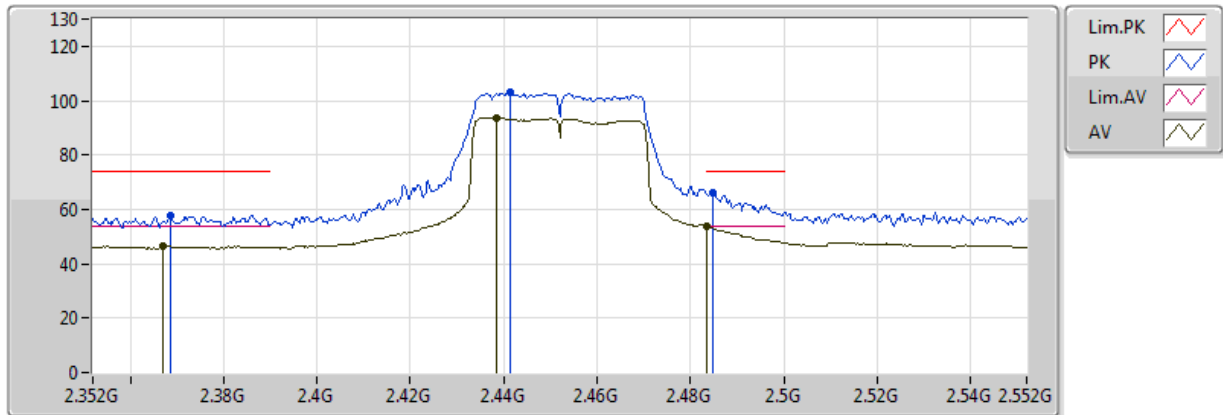


EUT = Y, ANT = X

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|---------------|------------|------------|------------|
| AV   | 2.353449G    | 45.92             | 54.00             | -8.08          | 30.81          | 3           | Vertical  | 280            | 1.11          | -        | 15.12         | 27.22      | 3.59       | -          |
| AV   | 2.438377G    | 91.13             | Inf               | -Inf           | 31.11          | 3           | Vertical  | 280            | 1.11          | -        | 60.02         | 27.44      | 3.67       | -          |
| AV   | 2.483594G    | 51.86             | 54.00             | -2.14          | 31.27          | 3           | Vertical  | 280            | 1.11          | -        | 20.59         | 27.56      | 3.71       | -          |
| PK   | 2.384464G    | 58.48             | 74.00             | -15.52         | 30.92          | 3           | Vertical  | 280            | 1.11          | -        | 27.56         | 27.30      | 3.62       | -          |
| PK   | 2.438377G    | 100.85            | Inf               | -Inf           | 31.11          | 3           | Vertical  | 280            | 1.11          | -        | 69.74         | 27.44      | 3.67       | -          |
| PK   | 2.483594G    | 63.36             | 74.00             | -10.64         | 31.27          | 3           | Vertical  | 280            | 1.11          | -        | 32.08         | 27.56      | 3.71       | -          |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX

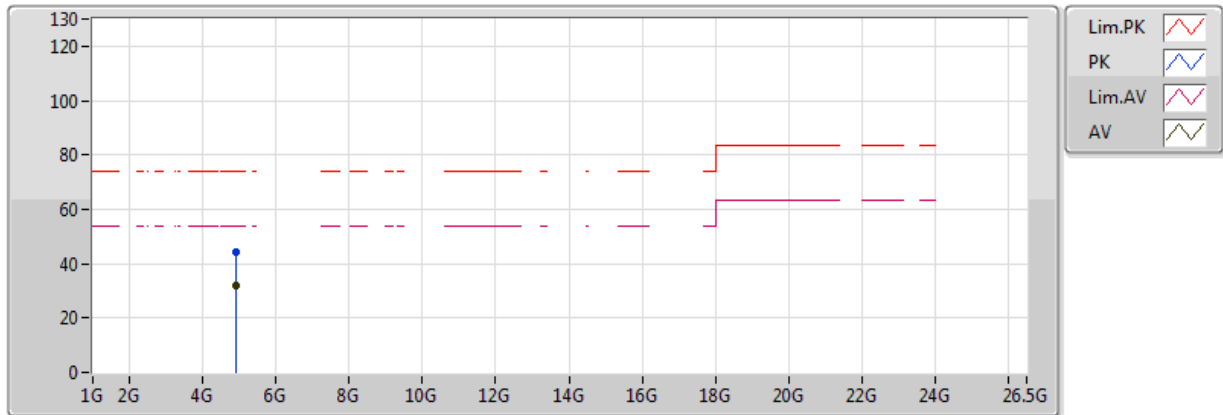


EUT = Y, ANT = X

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA   |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.367072G | 46.31    | 54.00    | -7.69  | 31.36  | 3    | Horizontal | 289     | 1.27   | -        | 14.94  | 27.15 | 4.21 | -    |
| AV   | 2.438377G | 93.64    | Inf      | -Inf   | 31.62  | 3    | Horizontal | 289     | 1.27   | -        | 62.03  | 27.34 | 4.28 | -    |
| AV   | 2.483594G | 53.76    | 54.00    | -0.24  | 31.78  | 3    | Horizontal | 289     | 1.27   | -        | 21.98  | 27.46 | 4.32 | -    |
| PK   | 2.368522G | 57.94    | 74.00    | -16.06 | 31.37  | 3    | Horizontal | 289     | 1.27   | -        | 26.57  | 27.16 | 4.21 | -    |
| PK   | 2.441275G | 103.15   | Inf      | -Inf   | 31.63  | 3    | Horizontal | 289     | 1.27   | -        | 71.52  | 27.35 | 4.28 | -    |
| PK   | 2.484754G | 65.85    | 74.00    | -8.15  | 31.79  | 3    | Horizontal | 289     | 1.27   | -        | 34.06  | 27.46 | 4.32 | -    |

# 802.11n HT40\_Nss1,(MCS0)\_2TX

## 2452MHz\_TX

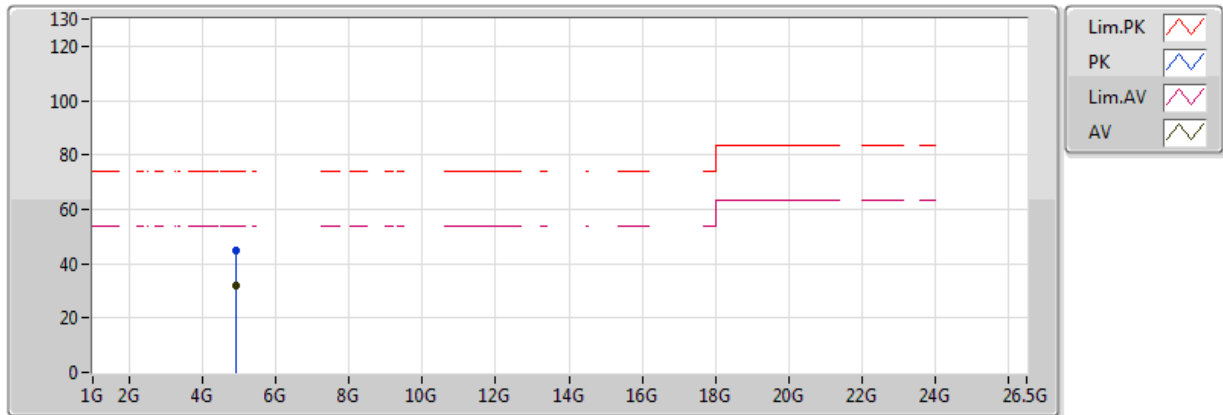


EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|-----------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.904G | 31.74    | 54.00    | -22.26 | 2.41   | 3    | Vertical  | 149     | 1.49   | -        | 29.33  | 31.43 | 5.49 | 34.51 |
| PK   | 4.904G | 44.19    | 74.00    | -29.81 | 2.41   | 3    | Vertical  | 149     | 1.49   | -        | 41.78  | 31.43 | 5.49 | 34.51 |

## 802.11n HT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX



EUT = Y, ANT = X

| Type | Freq   | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments | Raw    | AF    | CL   | PA    |
|------|--------|----------|----------|--------|--------|------|------------|---------|--------|----------|--------|-------|------|-------|
|      | (Hz)   | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.904G | 32.06    | 54.00    | -21.94 | 2.41   | 3    | Horizontal | 336     | 1.43   | -        | 29.65  | 31.43 | 5.49 | 34.51 |
| PK   | 4.904G | 44.62    | 74.00    | -29.38 | 2.41   | 3    | Horizontal | 336     | 1.43   | -        | 42.21  | 31.43 | 5.49 | 34.51 |