



# FCC RADIO TEST REPORT

**FCC ID** : NKR-DHURAZ68  
**Equipment** : DHUR-AZ68 11a/b/g/n/ac 2x2 module  
**Brand Name** : WNC  
**Model Name** : DHUR-AZ68  
**Applicant** : Wistron NeWeb Corporation  
20 Park Avenue II, Hsinchu Science Park, Hsinchu  
308, Taiwan  
**Manufacturer** : Wistron NeWeb Corporation  
20 Park Avenue II, Hsinchu Science Park, Hsinchu  
308, Taiwan  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Oct. 20, 2017, and testing was started from Apr. 02, 2018 and completed on Apr. 23, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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



Approved by: Sam Chen

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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## History of this test report

[illegible]



## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                                  | Result (PASS/FAIL) | Remark |
|---------------|-----------------|---------------------------------------------|--------------------|--------|
| 1.1.2         | 15.203          | Antenna Requirement                         | PASS               | -      |
| 3.1           | 15.207          | AC Power-line Conducted Emissions           | PASS               | -      |
| 3.2           | 15.247(a)       | DTS Bandwidth                               | PASS               | -      |
| 3.3           | 15.247(b)       | Maximum Conducted Output Power              | PASS               | -      |
| 3.4           | 15.247(e)       | Power Spectral Density                      | PASS               | -      |
| 3.5           | 15.247(d)       | Emissions in Non-restricted Frequency Bands | PASS               | -      |
| 3.6           | 15.247(d)       | Emissions in Restricted Frequency Bands     | PASS               | -      |

**Reviewed by: Sam Chen****Report Producer: Vicky Huang**



# 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]        |

| Band          | Mode         | BWch (MHz) | Nant |
|---------------|--------------|------------|------|
| 2.4-2.4835GHz | 802.11b      | 20         | 2TX  |
| 2.4-2.4835GHz | 802.11g      | 20         | 2TX  |
| 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.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

**1.1.2 Antenna Information**

| Set | Ant. | Port | Brand | Model Name   | Antenna Type    | Connector | Gain (dBi)     |              |           |
|-----|------|------|-------|--------------|-----------------|-----------|----------------|--------------|-----------|
|     |      |      |       |              |                 |           | WLAN<br>2.4GHz | WLAN<br>5GHz | Bluetooth |
| 1   | 1    | 1    | WNC   | -            | Printed Antenna | N/A       | 5.31           | 5.92         | -         |
|     | 2    | 2    | WNC   | -            | Printed Antenna | N/A       | 5.26           | 5.91         | -         |
| 2   | 3    | 1    | WNC   | 81.EK615.G69 | PIFA Antenna    | I-PEX     | 3.71           | 5.21         | -         |
|     | 4    | 2    | WNC   | 81.EK615.G68 | PIFA Antenna    | I-PEX     | 2.44           | 6.64         | -         |
| 3   | 5    | 1    | WNC   | 81.EK615.G66 | PIFA Antenna    | I-PEX     | 2.02           | 5.20         | -         |
|     | 6    | 2    | WNC   | 81.EK615.G65 | PIFA Antenna    | I-PEX     | 0.64           | 5.06         | -         |
| 4   | 7    | 1    | WNC   | 81.EK615.G72 | PIFA Antenna    | I-PEX     | 1.08           | 3.67         | -         |
|     | 8    | 2    | WNC   | 81.EK615.G71 | PIFA Antenna    | I-PEX     | 0.68           | 2.47         | -         |
| 5   | 9    | 1    | WNC   | 81.EK615.G56 | PIFA Antenna    | I-PEX     | 1.97           | 3.83         | -         |
|     | 10   | 2    | WNC   | 81.EK615.G57 | PIFA Antenna    | I-PEX     | 1.73           | 3.88         | -         |
| 6   | 11   | 1    | WNC   | 81.EK615.G58 | PIFA Antenna    | I-PEX     | -              | -            | 5.85      |
| 7   | 12   | 1    | WNC   | 81.EK615.G59 | PIFA Antenna    | I-PEX     | -              | -            | 4.03      |
| 8   | 13   | 1    | WNC   | 81.EK615.G51 | PIFA Antenna    | I-PEX     | -              | -            | 1.29      |
| 9   | 14   | 1    | WNC   | 81.EK615.G64 | PIFA Antenna    | I-PEX     | -              | -            | -0.5      |
| 10  | 15   | 1    | WNC   | 81.EK615.G67 | PIFA Antenna    | I-PEX     | -              | -            | 1.84      |
| 11  | 16   | 1    | WNC   | 81.EK615.G70 | PIFA Antenna    | I-PEX     | -              | -            | 0.73      |

Note: The EUT has eleven set antennas, and they have total of sixteen antennas.

**For 2.4GHz / 5GHz WLAN function (2TX/2RX):**

Antenna set 1~5 support 2.4GHz / 5GHz WLAN function.

Antenna set 2~5 are the same type antennas, only the higher gain antenna "Set 2" was tested and recorded in the report.

Port 1 and Port 2 could transmit/receive simultaneously.

**For Bluetooth function (1TX/1RX):**

Antenna set 6~11 support Bluetooth function.

Antenna set 6~11 are the same type antennas, only the higher gain antenna "Set 6" was tested and recorded in the report.

Only Port 1 can be used as transmitting/receiving.

**1.1.3 Mode Test Duty Cycle**

| 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) |

**1.1.4 EUT Operational Condition**

|                              |                                     |                     |                                     |                     |
|------------------------------|-------------------------------------|---------------------|-------------------------------------|---------------------|
| <b>EUT Power Type</b>        | From host system                    |                     |                                     |                     |
| <b>Beamforming Function</b>  | <input type="checkbox"/>            | With beamforming    | <input checked="" type="checkbox"/> | Without beamforming |
| <b>Function</b>              | <input checked="" type="checkbox"/> | Point-to-multipoint | <input type="checkbox"/>            | Point-to-point      |
| <b>Test Software Version</b> | QATool_Dbg                          |                     |                                     |                     |

**1.1.5 Table for Class II Change**

This product is an extension of original one reported under Sporton project number: FR7D1249AA

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

| Modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Performance Checking            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Adding 10 set antennas for PIFA antenna.<br>(Set 2-Model Name: Port 1:81.EK615.G69/Port 2:81.EK615.G68,<br>Set 3-Model Name: Port 1:81.EK615.G66/Port 2:81.EK615.G65,<br>Set 4-Model Name: Port 1:81.EK615.G72/Port 2:81.EK615.G71,<br>Set 5-Model Name: Port 1:81.EK615.G56/Port 2:81.EK615.G57,<br>Set 6-Model Name: 81.EK615.G58,<br>Set 7-Model Name: 81.EK615.G59,<br>Set 8-Model Name: 81.EK615.G51,<br>Set 9-Model Name: 81.EK615.G64,<br>Set 10-Model Name: 81.EK615.G67,<br>Set 11-Model Name: 81.EK615.G70) | It was performed for all tests. |



## 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
- ♦ FCC KDB 558074 D01 v04
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01

## 1.3 Testing Location Information

| Testing Location                    |        |                                                                                  |                      |                      |
|-------------------------------------|--------|----------------------------------------------------------------------------------|----------------------|----------------------|
| <input type="checkbox"/>            | HWA YA | ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.   | TEL : 886-3-327-3456 | FAX : 886-3-318-0055 |
| <input checked="" type="checkbox"/> | JHUBEI | ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. | TEL : 886-3-656-9065 | FAX : 886-3-656-9085 |

| Test Condition | Test Site No. | Test Engineer           | Test Environment | Test Date                   |
|----------------|---------------|-------------------------|------------------|-----------------------------|
| RF Conducted   | TH01-CB       | Serway Li               | 25°C / 55%       | Apr. 19, 2018~Apr. 23, 2018 |
| Radiated       | 03CH01-CB     | Eddie Weng & Justin Lin | 22°C / 54%       | Apr. 02, 2018~Apr. 23, 2018 |
| AC Conduction  | CO01-CB       | Howard Liu              | 22°C / 58%       | Apr. 11, 2018               |

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D with Industry Canada.

## 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)  | 3.2 dB                | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 3.6 dB                | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.7 dB                | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB                | Confidence levels of 95% |
| Conducted Emission                   | 1.7 dB                | Confidence levels of 95% |
| Output Power Measurement             | 1.33 dB               | Confidence levels of 95% |
| Power Density Measurement            | 1.27 dB               | Confidence levels of 95% |
| Bandwidth Measurement                | $9.74 \times 10^{-8}$ | Confidence levels of 95% |





## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

| Mode                         | Power Setting |
|------------------------------|---------------|
| 802.11b_Nss1,(1Mbps)_2TX     | -             |
| 2412MHz                      | 21            |
| 2437MHz                      | 21            |
| 2457MHz                      |               |
| 2462MHz                      | 24            |
| 802.11g_Nss1,(6Mbps)_2TX     | -             |
| 2412MHz                      | 20            |
| 2437MHz                      | 29            |
| 2457MHz                      | 29            |
| 2462MHz                      | 22            |
| 802.11n HT20_Nss1,(MCS0)_2TX | -             |
| 2412MHz                      | 21            |
| 2437MHz                      | 29            |
| 2457MHz                      | 29            |
| 2462MHz                      | 21            |
| 802.11n HT40_Nss1,(MCS0)_2TX | -             |
| 2422MHz                      | 20            |
| 2427MHz                      | 22            |
| 2432MHz                      | 24            |
| 2437MHz                      | 24            |
| 2442MHz                      | 21            |
| 2447MHz                      | 1F            |
| 2452MHz                      | 1F            |

## 2.2 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                                                                             | EUT with Set 2 antennas (2.4GHz WLAN function)           |
| 2                                                                             | EUT with Set 2 antennas (5GHz WLAN function)             |
| 3                                                                             | EUT with Set 6 antennas (Bluetooth function)             |
| For operating mode 1 is the worst case and it was record in this test report. |                                                          |

| 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                                                                                                                                                                                                                                                 |
| The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test. The worst case was found at Y axis, so the measurement will follow this same test configuration. |                                                                                                                                                                                                                                                     |
| 1                                                                                                                                                                                                                         | EUT Y axis with Set 2 antennas (2.4GHz WLAN function)                                                                                                                                                                                               |
| 2                                                                                                                                                                                                                         | EUT Y axis with Set 2 antennas (5GHz WLAN function)                                                                                                                                                                                                 |
| 3                                                                                                                                                                                                                         | EUT Y axis with Set 6 antennas (Bluetooth function)                                                                                                                                                                                                 |
| For operating mode 1 is the worst case and it was record in this test report.                                                                                                                                             |                                                                                                                                                                                                                                                     |
| <b>Operating Mode &gt; 1GHz</b>                                                                                                                                                                                           | CTX                                                                                                                                                                                                                                                 |
| The EUT was performed at X axis, Y axis and Z axis position. The worst case was found at Y axis, so the measurement will follow this same test configuration.                                                             |                                                                                                                                                                                                                                                     |
| 1                                                                                                                                                                                                                         | EUT Y axis with Set 2 antennas (2.4GHz WLAN function)                                                                                                                                                                                               |



| The Worst Case Mode for Following Conformance Tests                                   |                                                                         |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                     | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| <b>Operating Mode</b>                                                                 |                                                                         |
| 1                                                                                     | EUT with Set 1 and Set 6 antennas (2.4GHz WLAN + Bluetooth function)    |
| 2                                                                                     | EUT with Set 1 and Set 6 antennas (5GHz WLAN + Bluetooth function)      |
| 3                                                                                     | EUT with Set 2 and Set 6 antennas (2.4GHz WLAN + Bluetooth function)    |
| 4                                                                                     | EUT with Set 2 and Set 6 antennas (5GHz WLAN + Bluetooth function)      |
| Refer to Sporton Test Report No.: FA7D1249-01 for Co-location RF Exposure Evaluation. |                                                                         |



## 2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

## 2.4 Accessories

N/A

## 2.5 Support Equipment

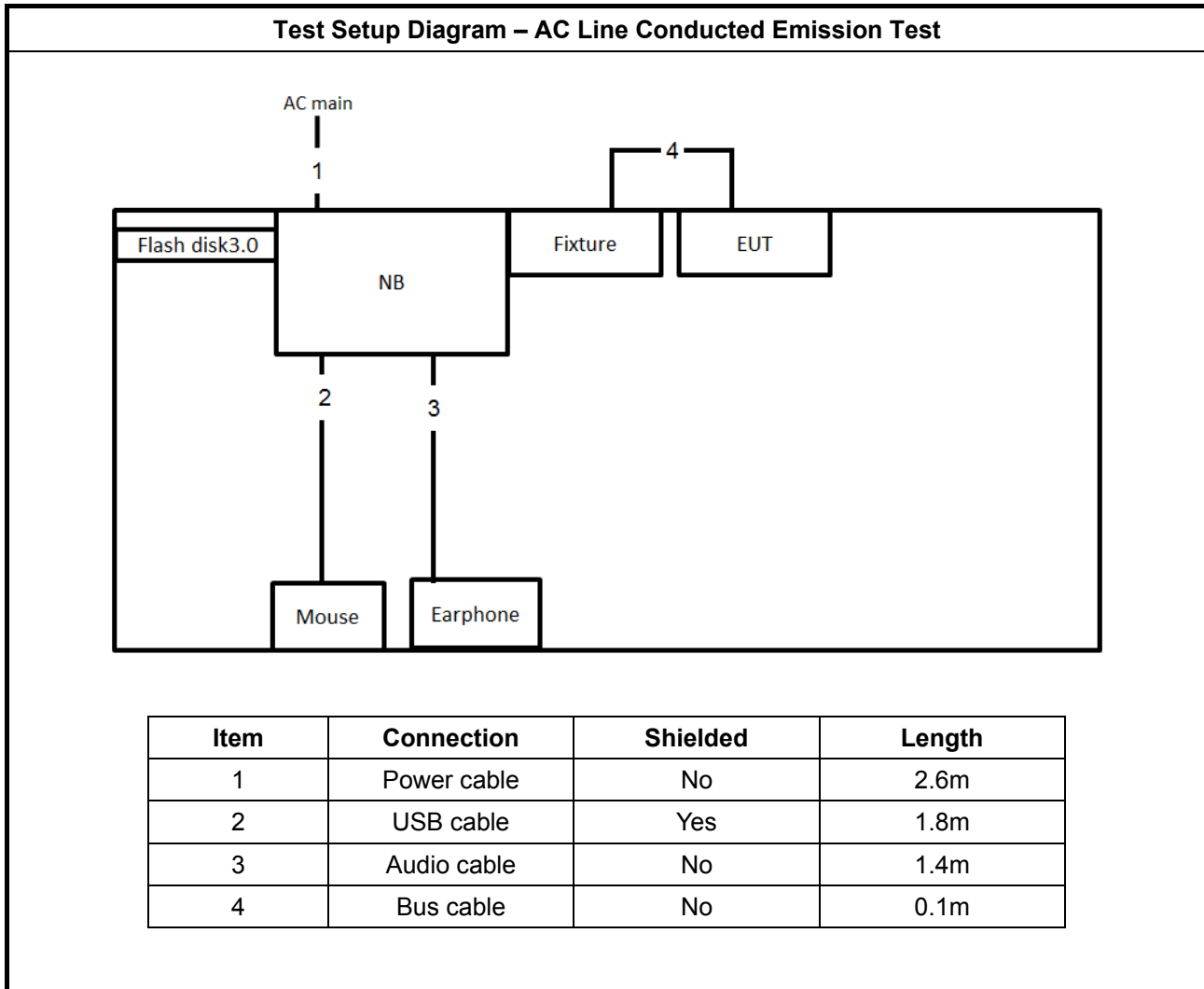
For Test Site No: CO01-CB

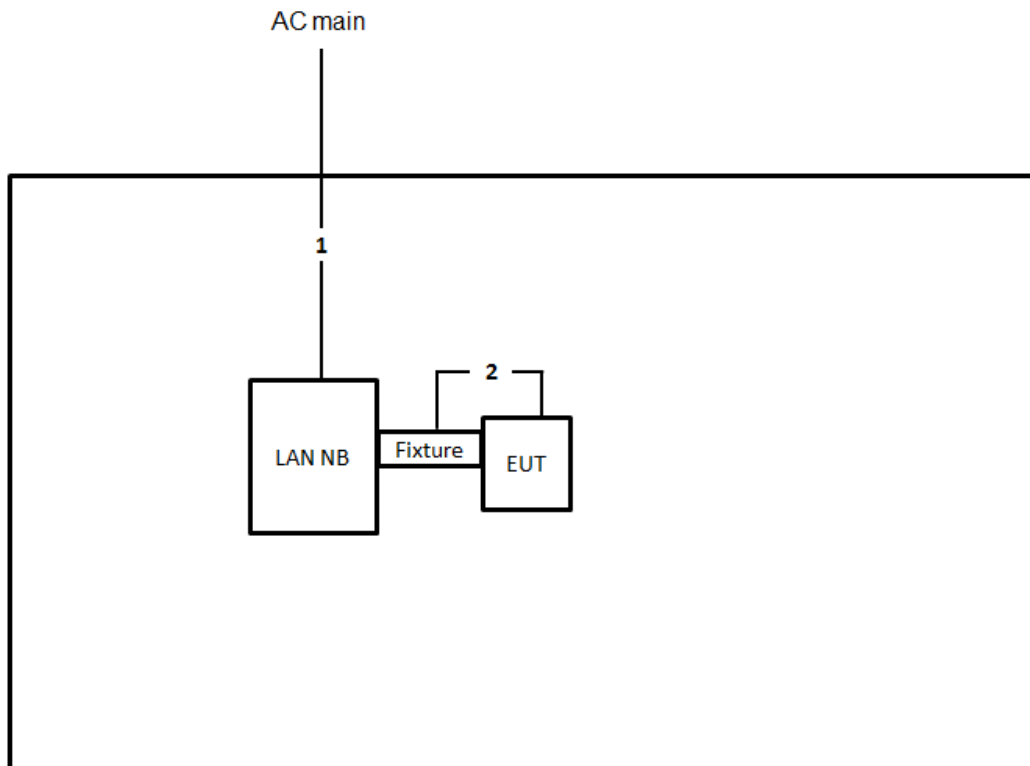
| Support Equipment |               |            |              |        |
|-------------------|---------------|------------|--------------|--------|
| No.               | Equipment     | Brand Name | Model Name   | FCC ID |
| 1                 | NB            | DELL       | E6430        | DoC    |
| 2                 | Earphone      | e-Power    | S90W         | DoC    |
| 3                 | Mouse         | Logitech   | M-U0026      | DoC    |
| 4                 | Fixture       | WNC        | 48DHUR09.SGB | DoC    |
| 5                 | Flash disk3.0 | Transcend  | JetFlash-760 | DoC    |

For Test Site No: 03CH01-CB and TH01-CB

| Support Equipment |           |            |              |        |
|-------------------|-----------|------------|--------------|--------|
| No.               | Equipment | Brand Name | Model Name   | FCC ID |
| 1                 | NB        | DELL       | E4300        | DoC    |
| 2                 | Fixture   | WNC        | 48DHUR09.SGB | DoC    |

## 2.6 Test Setup Diagram



**Test Setup Diagram - Radiated Test**


| Item | Connection  | Shielded | Length |
|------|-------------|----------|--------|
| 1    | Power cable | No       | 1.5m   |
| 2    | Bus cable   | No       | 0.1m   |



### 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.

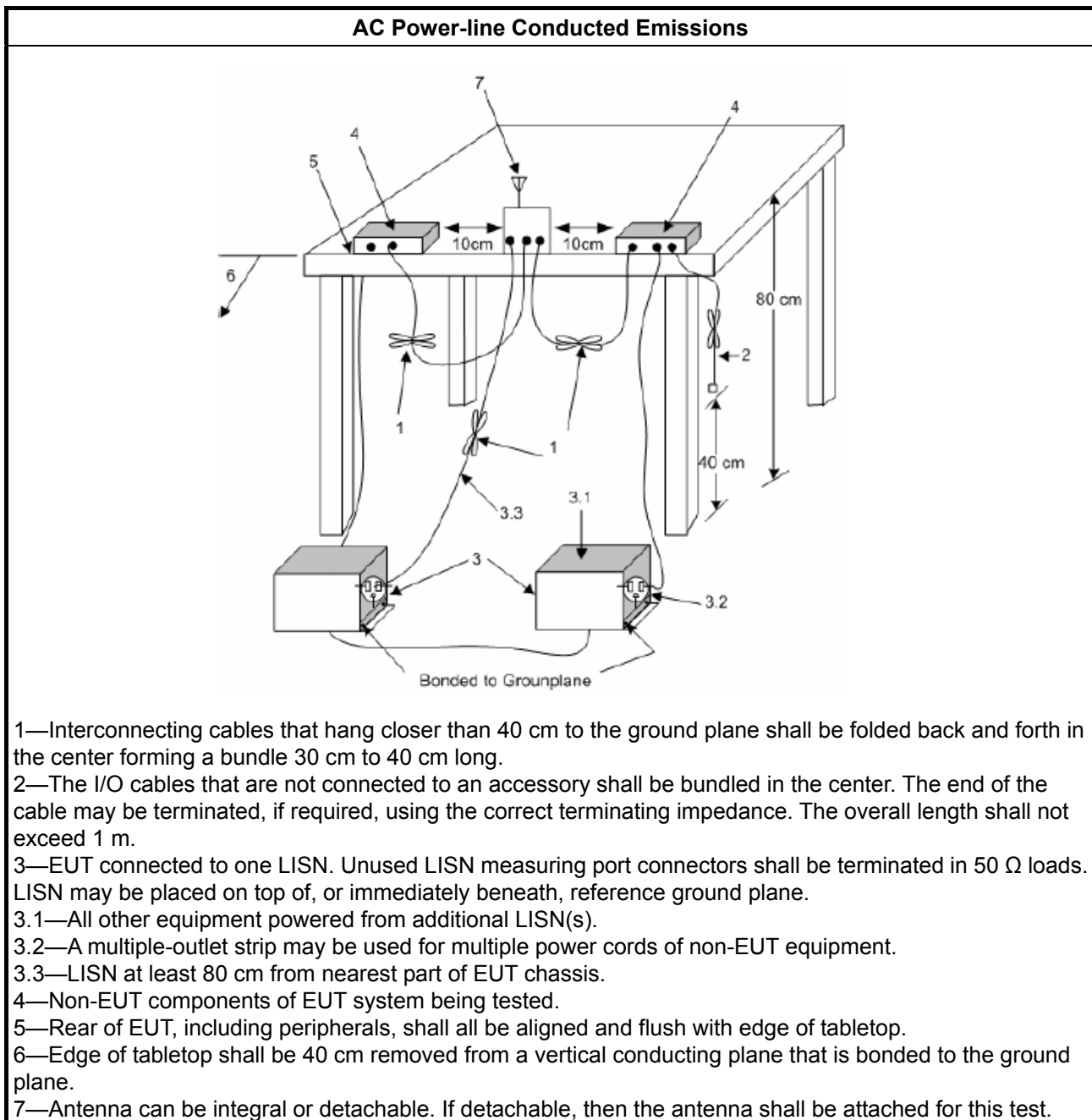
##### 3.1.2 Measuring Instruments

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. |

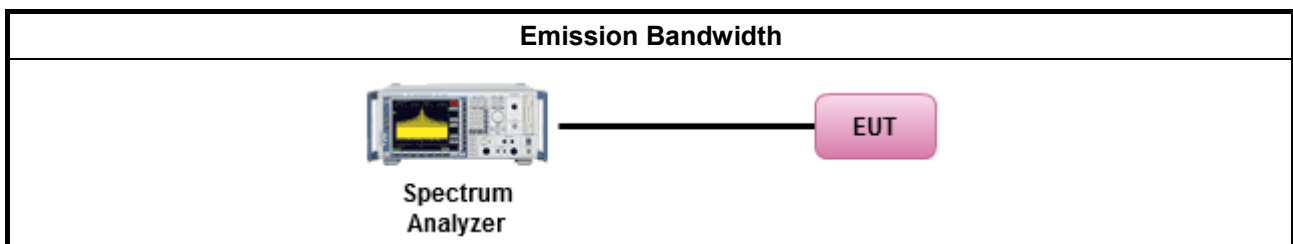
### 3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement. |
| <input type="checkbox"/>            | Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement. |
| <input type="checkbox"/>            | Refer as ANSI C63.10, clause 6.9.1 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                                                                                                                              |                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                   | ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)                                           |
|                                                                                                                                                                   | ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm     |
|                                                                                                                                                                   | ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm        |
|                                                                                                                                                                   | ▪ Smart antenna system (SAS):                                                                        |
|                                                                                                                                                                   | - 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 |
| $P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. |                                                                                                      |

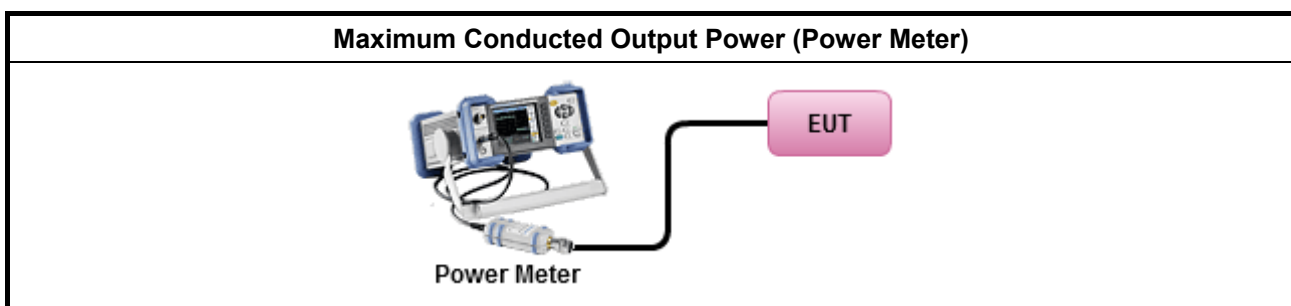
#### 3.3.2 Measuring Instruments

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 FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 9.1.3 (peak power meter for VBW ≥ DTS BW)                      |
| <ul style="list-style-type: none"> <li>Maximum Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                                       |                                                                                                |
| [duty cycle ≥ 98% or external video / power trigger]                                                                                                                                                                                                                                                                                                                   |                                                                                                |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)                 |
| duty cycle < 98% and average over on/off periods with duty factor                                                                                                                                                                                                                                                                                                      |                                                                                                |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)                 |
| Measurement using a power meter (PM)                                                                                                                                                                                                                                                                                                                                   |                                                                                                |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                    | Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM (using an RF average power meter).          |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 9.2.3.2 Method AVGPM-G (using an gate 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 FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul> |                                                                                                |
| <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:<br/> <math>P_{total} = P_1 + P_2 + \dots + P_n</math><br/> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>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 |

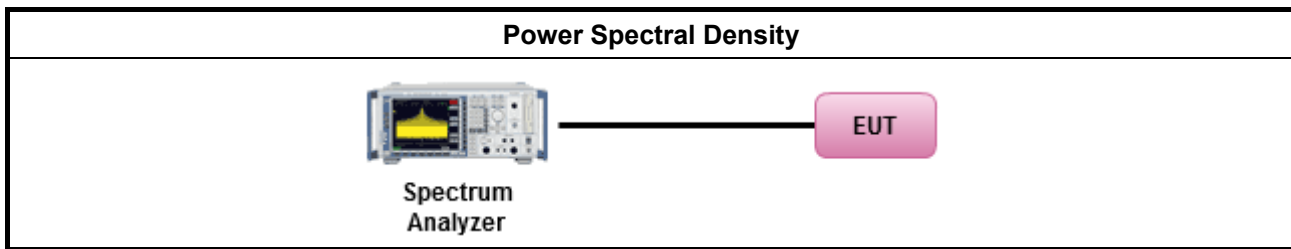
#### 3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).<br>[duty cycle $\geq 98\%$ or external video / power trigger]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 10.3 Method AVGPS-1 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 10.4 Method AVGPS-2 (slow sweep speed)<br>duty cycle $< 98\%$ and average over on/off periods with duty factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 10.5 Method AVGPS-1 Alt (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 10.6 Method AVGPS-2 Alt. (slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ▪ For conducted measurement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ▪ If The EUT supports multiple transmit chains using options given below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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. |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,                                                                                                                                                                                                         |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Option 3: Measure and add $10 \log(N)$ dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with $10 \log(N)$ . Or each transmit chains shall be add $10 \log(N)$ to compared with the limit.                                                                                                                                                                                                                                                                                                        |

### 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> |            |

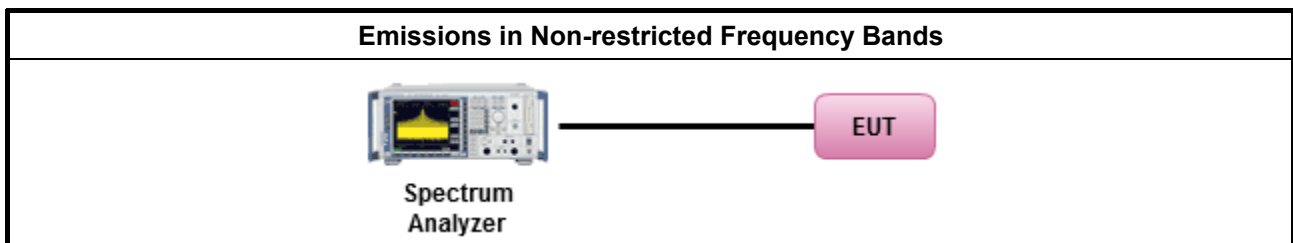
#### 3.5.2 Measuring Instruments

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 FCC 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.

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

#### 3.6.2 Measuring Instruments

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

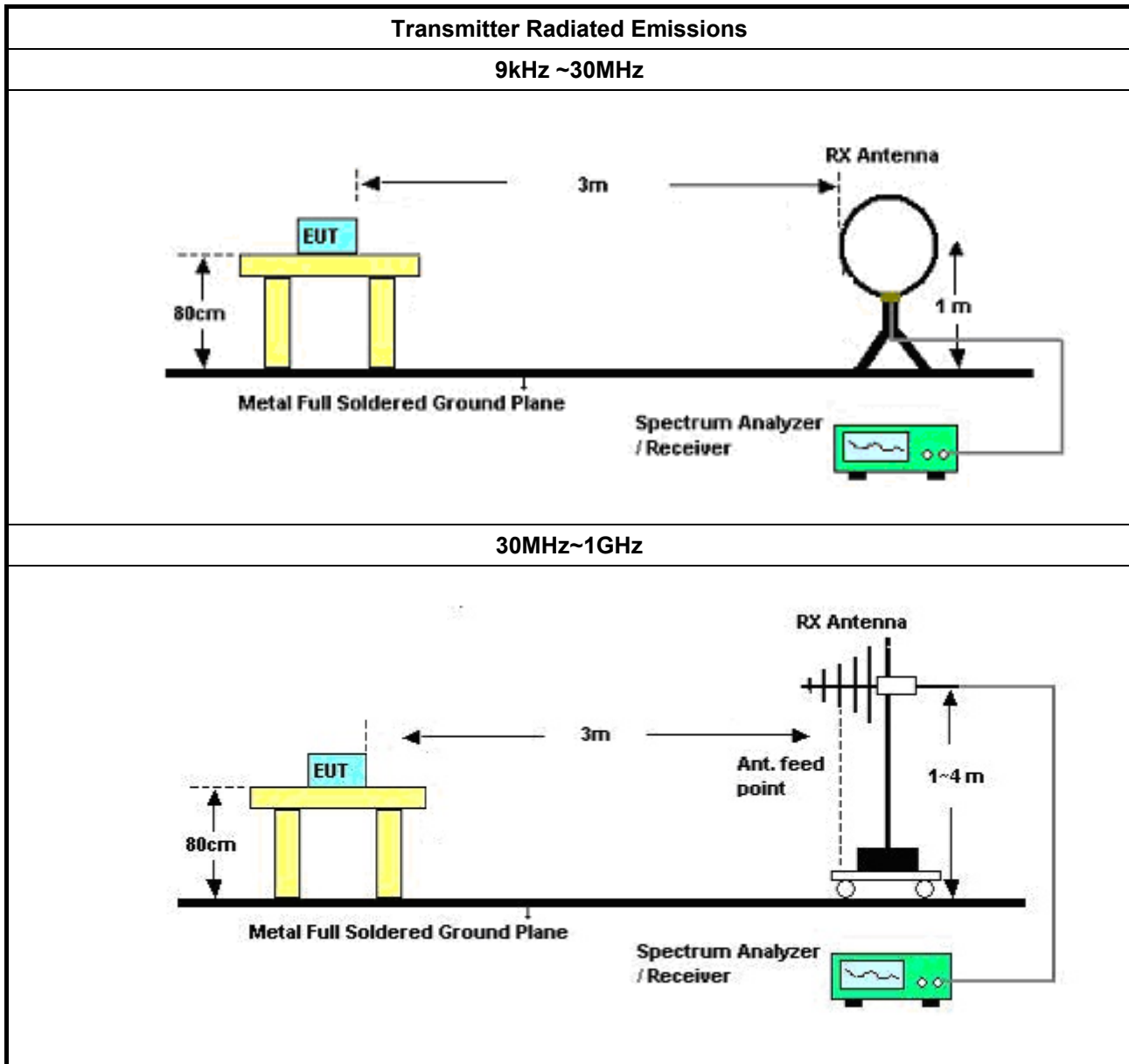


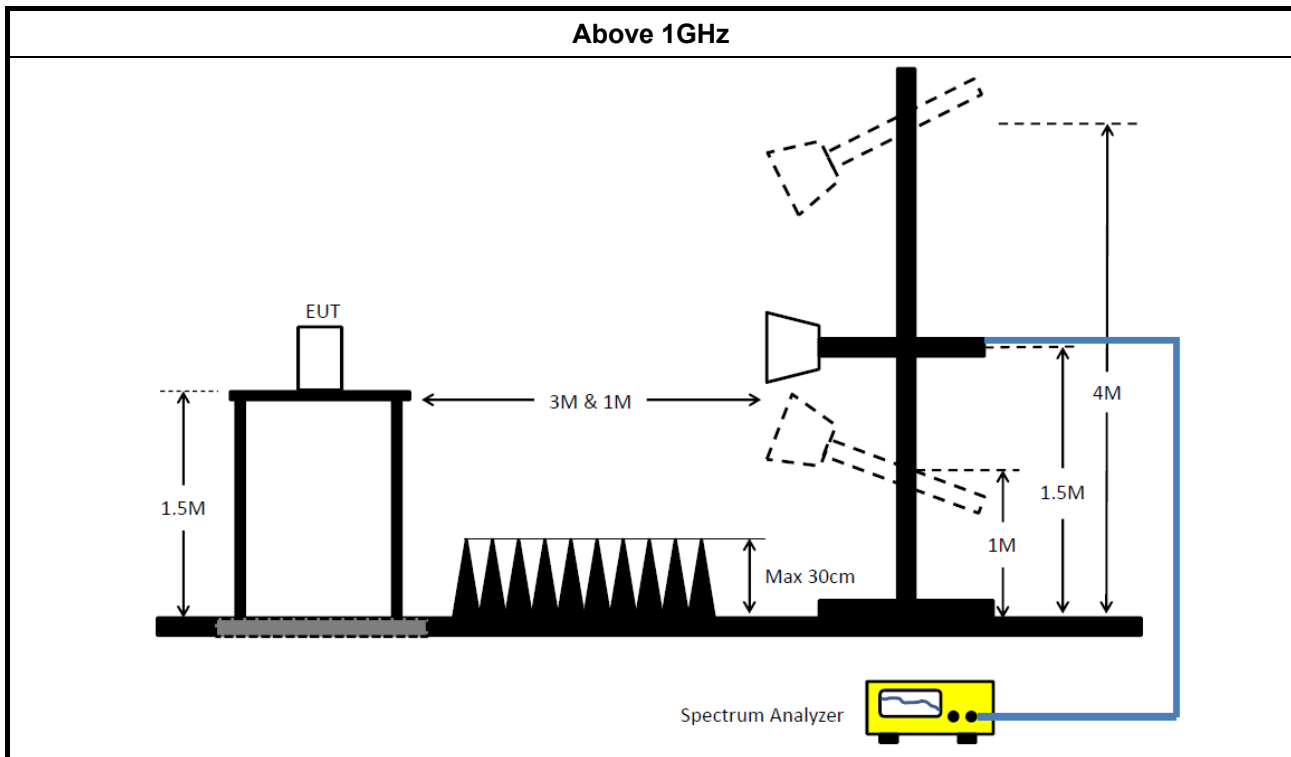
### 3.6.3 Test Procedures

| 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 6.9.2.2 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 FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.</li> </ul>                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                              | <input type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$ )                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                              | <input type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$ ).                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                              | <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$ , where T is pulse time.                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                              | <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Refer as FCC 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 FCC 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 FCC KDB 558074, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.</li> </ul>                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>Refer as FCC 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 FCC 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 <math>10 \log(N)</math> dB</li> </ul>                                                                         |
|                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>For FCC 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 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

### 3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F



## 4 Test Equipment and Calibration Data

| Instrument                        | Manufacturer  | Model No.         | Serial No.       | Characteristics | Calibration Date | Calibration Due Date | Remark                |
|-----------------------------------|---------------|-------------------|------------------|-----------------|------------------|----------------------|-----------------------|
| EMI Receiver                      | Agilent       | N9038A            | My52260123       | 9kHz ~ 8.45GHz  | Jan. 31, 2018    | Jan. 30, 2019        | Conduction (CO01-CB)  |
| LISN                              | F.C.C.        | FCC-LISN-50-16-2  | 04083            | 150kHz ~ 100MHz | Dec. 20, 2017    | Dec. 19, 2018        | Conduction (CO01-CB)  |
| LISN                              | Schwarzbeck   | NSLK 8127         | 8127647          | 9kHz ~ 30MHz    | Dec. 29, 2017    | Dec. 28, 2018        | Conduction (CO01-CB)  |
| Impulsbegrenzer Pulse Limiter     | Rohde&Schwarz | ESH3-Z2           | 100430           | 9kHz ~ 30MHz    | Feb. 06, 2018    | Feb. 05, 2019        | Conduction (CO01-CB)  |
| COND Cable                        | Woken         | Cable             | 01               | 150kHz ~ 30MHz  | May 23, 2017     | May 22, 2018         | Conduction (CO01-CB)  |
| Software                          | Audix         | E3                | 6.120210n        | -               | N.C.R.           | N.C.R.               | Conduction (CO01-CB)  |
| BILOG ANTENNA with 6dB Attenuator | TESEQ & EMCI  | CBL6112D & N-6-06 | 37880 & AT-N0609 | 20MHz ~ 2GHz    | Aug. 30, 2017    | Aug. 29, 2018        | Radiation (03CH01-CB) |
| Loop Antenna                      | Teseq         | HLA 6120          | 24155            | 9kHz - 30 MHz   | Mar. 16, 2018    | Mar. 15, 2019        | Radiation (03CH01-CB) |
| Horn Antenna                      | EMCO          | 3115              | 00075790         | 750MHz ~ 18GHz  | Nov. 20, 2017    | Nov. 19, 2018        | Radiation (03CH01-CB) |
| Horn Antenna                      | Schwarzbeck   | BBHA 9170         | BBHA9170252      | 15GHz ~ 40GHz   | Jul. 05, 2017    | Jul. 04, 2018        | Radiation (03CH01-CB) |
| Pre-Amplifier                     | EMCI          | EMC330N           | 980332           | 20MHz ~ 3GHz    | May 02, 2017     | May 01, 2018         | Radiation (03CH01-CB) |
| Pre-Amplifier                     | Agilent       | 8449B             | 3008A02310       | 1GHz ~ 26.5GHz  | Jan. 09, 2018    | Jan. 08, 2019        | Radiation (03CH01-CB) |
| Pre-Amplifier                     | MITEQ         | TTA1840-35-HG     | 1864479          | 18GHz ~ 40GHz   | Jul. 10, 2017    | Jul. 09, 2018        | Radiation (03CH01-CB) |
| Spectrum Analyzer                 | R&S           | FSP40             | 100056           | 9kHz ~ 40GHz    | Nov. 23, 2017    | Nov. 22, 2018        | Radiation (03CH01-CB) |
| EMI Test                          | R&S           | ESCS              | 100355           | 9kHz ~ 2.75GHz  | May 06, 2017     | May 05, 2018         | Radiation (03CH01-CB) |
| RF Cable-low                      | Woken         | Low Cable-16+17   | N/A              | 30 MHz ~ 1 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Radiation (03CH01-CB) |
| RF Cable-high                     | Woken         | High Cable-16     | N/A              | 1 GHz ~ 18 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Radiation (03CH01-CB) |
| RF Cable-high                     | Woken         | High Cable-16+17  | N/A              | 1 GHz ~ 18 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Radiation (03CH01-CB) |



| Instrument        | Manufacturer | Model No.        | Serial No.    | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-------------------|--------------|------------------|---------------|------------------|------------------|----------------------|-----------------------|
| RF Cable-high     | Woken        | High Cable-40G#1 | N/A           | 18GHz ~ 40 GHz   | Oct. 11, 2017    | Oct. 10, 2018        | Radiation (03CH01-CB) |
| RF Cable-high     | Woken        | High Cable-40G#2 | N/A           | 18GHz ~ 40 GHz   | Oct. 11, 2017    | Oct. 10, 2018        | Radiation (03CH01-CB) |
| Spectrum analyzer | R&S          | FSV40            | 100979        | 9kHz~40GHz       | Dec. 21, 2017    | Dec. 20, 2018        | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-06 | 1 GHz – 26.5 GHz | Oct. 11, 2017    | Oct. 10, 2018        | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-07 | 1 GHz –26.5 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-08 | 1 GHz –26.5 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-09 | 1 GHz –26.5 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Conducted (TH01-CB)   |
| RF Cable-high     | Woken        | RG402            | High Cable-10 | 1 GHz –26.5 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Conducted (TH01-CB)   |
| Power Sensor      | Agilent      | U2021XA          | MY53410001    | 50MHz~18GHz      | Nov. 20, 2017    | Nov. 19, 2018        | Conducted (TH01-CB)   |

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



# AC Power-line Conducted Emissions Result

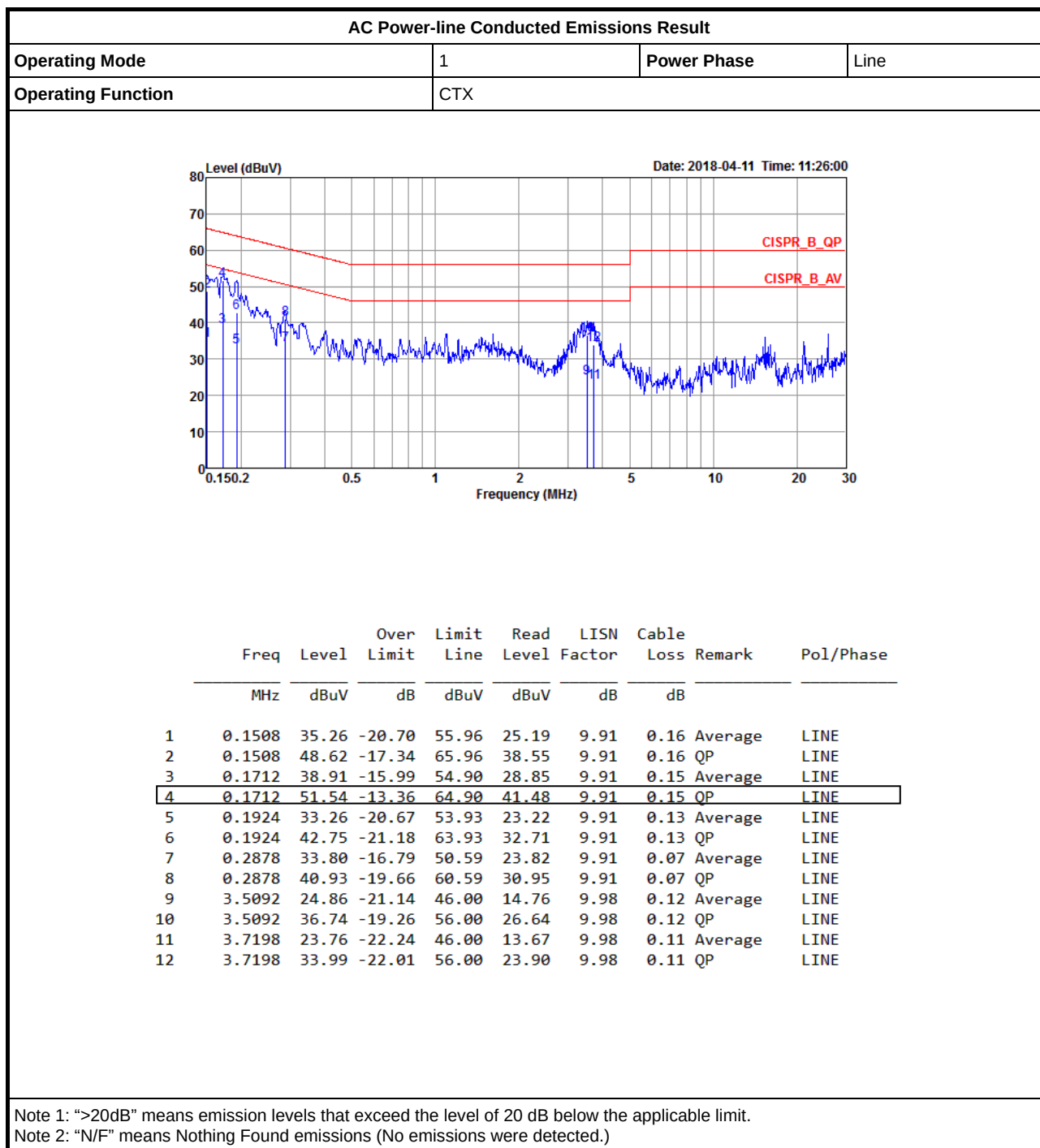
Appendix A

| AC Power-line Conducted Emissions Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |       |            |             |            |             |            |         |           |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|------------|-------------|------------|-------------|------------|---------|-----------|--|------|-------|------------|------------|------------|-------------|------------|--------|-----------|--|-----|------|----|------|------|----|----|--|--|---|--------|-------|--------|-------|-------|------|------|---------|---------|---|--------|-------|--------|-------|-------|------|------|----|---------|---|--------|-------|--------|-------|-------|------|------|---------|---------|---|--------|-------|--------|-------|-------|------|------|----|---------|---|--------|-------|--------|-------|-------|------|------|---------|---------|---|--------|-------|--------|-------|-------|------|------|----|---------|---|--------|-------|--------|-------|-------|------|------|---------|---------|---|--------|-------|--------|-------|-------|------|------|----|---------|---|--------|-------|--------|-------|-------|------|------|---------|---------|----|--------|-------|--------|-------|-------|------|------|----|---------|----|--------|-------|--------|-------|-------|------|------|---------|---------|----|--------|-------|--------|-------|-------|------|------|----|---------|
| Operating Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1      |       |            | Power Phase |            |             | Neutral    |         |           |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| Operating Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CTX    |       |            |             |            |             |            |         |           |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| <div><div><div>Level (dBuV)</div><div><div>80</div><div>70</div><div>60</div><div>50</div><div>40</div><div>30</div><div>20</div><div>10</div><div>0</div></div></div><div><div>Date: 2018-04-11 Time: 11:28:04</div><div><div>CISPR_B_QP</div><div>CISPR_B_AV</div></div></div><div></div></div> <div><table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>Read Level</th><th>LISN Factor</th><th>Cable Loss</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th></th><th>MHz</th><th>dBuV</th><th>dB</th><th>dBuV</th><th>dBuV</th><th>dB</th><th>dB</th><th></th><th></th></tr></thead><tbody><tr><td>1</td><td>0.1516</td><td>36.59</td><td>-19.32</td><td>55.91</td><td>26.51</td><td>9.92</td><td>0.16</td><td>Average</td><td>NEUTRAL</td></tr><tr><td>2</td><td>0.1516</td><td>49.08</td><td>-16.83</td><td>65.91</td><td>39.00</td><td>9.92</td><td>0.16</td><td>QP</td><td>NEUTRAL</td></tr><tr><td>3</td><td>0.1712</td><td>37.27</td><td>-17.63</td><td>54.90</td><td>27.20</td><td>9.92</td><td>0.15</td><td>Average</td><td>NEUTRAL</td></tr><tr><td>4</td><td>0.1712</td><td>46.24</td><td>-18.66</td><td>64.90</td><td>36.17</td><td>9.92</td><td>0.15</td><td>QP</td><td>NEUTRAL</td></tr><tr><td>5</td><td>0.2924</td><td>34.33</td><td>-16.13</td><td>50.46</td><td>24.35</td><td>9.92</td><td>0.06</td><td>Average</td><td>NEUTRAL</td></tr><tr><td>6</td><td>0.2924</td><td>40.89</td><td>-19.57</td><td>60.46</td><td>30.91</td><td>9.92</td><td>0.06</td><td>QP</td><td>NEUTRAL</td></tr><tr><td>7</td><td>0.4019</td><td>29.98</td><td>-17.83</td><td>47.81</td><td>20.05</td><td>9.92</td><td>0.01</td><td>Average</td><td>NEUTRAL</td></tr><tr><td>8</td><td>0.4019</td><td>36.73</td><td>-21.08</td><td>57.81</td><td>26.80</td><td>9.92</td><td>0.01</td><td>QP</td><td>NEUTRAL</td></tr><tr><td>9</td><td>3.2813</td><td>23.35</td><td>-22.65</td><td>46.00</td><td>13.25</td><td>9.97</td><td>0.13</td><td>Average</td><td>NEUTRAL</td></tr><tr><td>10</td><td>3.2813</td><td>32.07</td><td>-23.93</td><td>56.00</td><td>21.97</td><td>9.97</td><td>0.13</td><td>QP</td><td>NEUTRAL</td></tr><tr><td>11</td><td>3.7183</td><td>22.98</td><td>-23.02</td><td>46.00</td><td>12.89</td><td>9.98</td><td>0.11</td><td>Average</td><td>NEUTRAL</td></tr><tr><td>12</td><td>3.7183</td><td>32.42</td><td>-23.58</td><td>56.00</td><td>22.33</td><td>9.98</td><td>0.11</td><td>QP</td><td>NEUTRAL</td></tr></tbody></table><div><div>Note 1: "&gt;20dB" means emission levels that exceed the level of 20 dB below the applicable limit.</div><div>Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)</div></div></div> |        |       |            |             |            |             |            |         |           |  | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark | Pol/Phase |  | MHz | dBuV | dB | dBuV | dBuV | dB | dB |  |  | 1 | 0.1516 | 36.59 | -19.32 | 55.91 | 26.51 | 9.92 | 0.16 | Average | NEUTRAL | 2 | 0.1516 | 49.08 | -16.83 | 65.91 | 39.00 | 9.92 | 0.16 | QP | NEUTRAL | 3 | 0.1712 | 37.27 | -17.63 | 54.90 | 27.20 | 9.92 | 0.15 | Average | NEUTRAL | 4 | 0.1712 | 46.24 | -18.66 | 64.90 | 36.17 | 9.92 | 0.15 | QP | NEUTRAL | 5 | 0.2924 | 34.33 | -16.13 | 50.46 | 24.35 | 9.92 | 0.06 | Average | NEUTRAL | 6 | 0.2924 | 40.89 | -19.57 | 60.46 | 30.91 | 9.92 | 0.06 | QP | NEUTRAL | 7 | 0.4019 | 29.98 | -17.83 | 47.81 | 20.05 | 9.92 | 0.01 | Average | NEUTRAL | 8 | 0.4019 | 36.73 | -21.08 | 57.81 | 26.80 | 9.92 | 0.01 | QP | NEUTRAL | 9 | 3.2813 | 23.35 | -22.65 | 46.00 | 13.25 | 9.97 | 0.13 | Average | NEUTRAL | 10 | 3.2813 | 32.07 | -23.93 | 56.00 | 21.97 | 9.97 | 0.13 | QP | NEUTRAL | 11 | 3.7183 | 22.98 | -23.02 | 46.00 | 12.89 | 9.98 | 0.11 | Average | NEUTRAL | 12 | 3.7183 | 32.42 | -23.58 | 56.00 | 22.33 | 9.98 | 0.11 | QP | NEUTRAL |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Freq   | Level | Over Limit | Limit Line  | Read Level | LISN Factor | Cable Loss | Remark  | Pol/Phase |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MHz    | dBuV  | dB         | dBuV        | dBuV       | dB          | dB         |         |           |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.1516 | 36.59 | -19.32     | 55.91       | 26.51      | 9.92        | 0.16       | Average | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.1516 | 49.08 | -16.83     | 65.91       | 39.00      | 9.92        | 0.16       | QP      | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.1712 | 37.27 | -17.63     | 54.90       | 27.20      | 9.92        | 0.15       | Average | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.1712 | 46.24 | -18.66     | 64.90       | 36.17      | 9.92        | 0.15       | QP      | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.2924 | 34.33 | -16.13     | 50.46       | 24.35      | 9.92        | 0.06       | Average | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.2924 | 40.89 | -19.57     | 60.46       | 30.91      | 9.92        | 0.06       | QP      | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.4019 | 29.98 | -17.83     | 47.81       | 20.05      | 9.92        | 0.01       | Average | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.4019 | 36.73 | -21.08     | 57.81       | 26.80      | 9.92        | 0.01       | QP      | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.2813 | 23.35 | -22.65     | 46.00       | 13.25      | 9.97        | 0.13       | Average | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.2813 | 32.07 | -23.93     | 56.00       | 21.97      | 9.97        | 0.13       | QP      | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.7183 | 22.98 | -23.02     | 46.00       | 12.89      | 9.98        | 0.11       | Average | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.7183 | 32.42 | -23.58     | 56.00       | 22.33      | 9.98        | 0.11       | QP      | NEUTRAL   |  |      |       |            |            |            |             |            |        |           |  |     |      |    |      |      |    |    |  |  |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |   |        |       |        |       |       |      |      |    |         |   |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |    |        |       |        |       |       |      |      |         |         |    |        |       |        |       |       |      |      |    |         |



# AC Power-line Conducted Emissions Result

Appendix A



**Summary**

| Mode                         | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz                | -                | -               | -        | -                | -               |
| 802.11b_Nss1,(1Mbps)_2TX     | 9.025M           | 14.843M         | 14M8G1D  | 8.55M            | 13.668M         |
| 802.11g_Nss1,(6Mbps)_2TX     | 16.325M          | 16.667M         | 16M7D1D  | 16.3M            | 16.392M         |
| 802.11n HT20_Nss1,(MCS0)_2TX | 17.575M          | 17.716M         | 17M7D1D  | 16.9M            | 17.566M         |
| 802.11n HT40_Nss1,(MCS0)_2TX | 36.3M            | 36.182M         | 36M2D1D  | 35M              | 35.932M         |

**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)_2TX     | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                      | Pass   | 500k          | 9.025M              | 14.068M            | 9M                  | 13.693M            |
| 2437MHz                      | Pass   | 500k          | 9M                  | 14.093M            | 8.55M               | 13.668M            |
| 2462MHz                      | Pass   | 500k          | 8.55M               | 14.843M            | 9.025M              | 14.118M            |
| 802.11g_Nss1,(6Mbps)_2TX     | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                      | Pass   | 500k          | 16.325M             | 16.442M            | 16.3M               | 16.392M            |
| 2437MHz                      | Pass   | 500k          | 16.325M             | 16.542M            | 16.3M               | 16.667M            |
| 2462MHz                      | Pass   | 500k          | 16.3M               | 16.492M            | 16.325M             | 16.442M            |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2412MHz                      | Pass   | 500k          | 17.525M             | 17.591M            | 17.55M              | 17.566M            |
| 2437MHz                      | Pass   | 500k          | 17.575M             | 17.666M            | 17.525M             | 17.716M            |
| 2462MHz                      | Pass   | 500k          | 17.575M             | 17.591M            | 16.9M               | 17.566M            |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 2422MHz                      | Pass   | 500k          | 35M                 | 36.132M            | 35.05M              | 36.082M            |
| 2437MHz                      | Pass   | 500k          | 35.1M               | 36.182M            | 35.1M               | 36.082M            |
| 2452MHz                      | Pass   | 500k          | 36.3M               | 36.082M            | 36.05M              | 35.932M            |

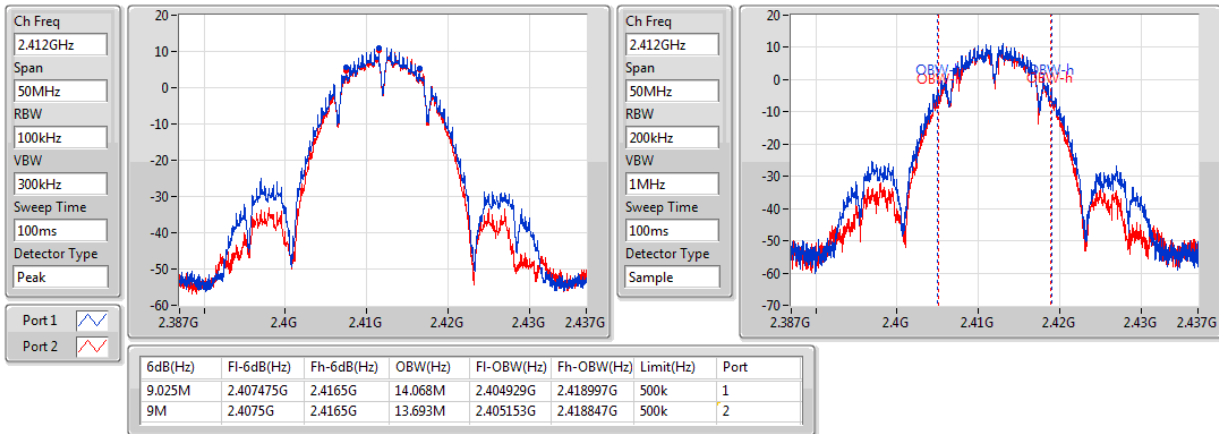
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2412MHz

02/02/2018

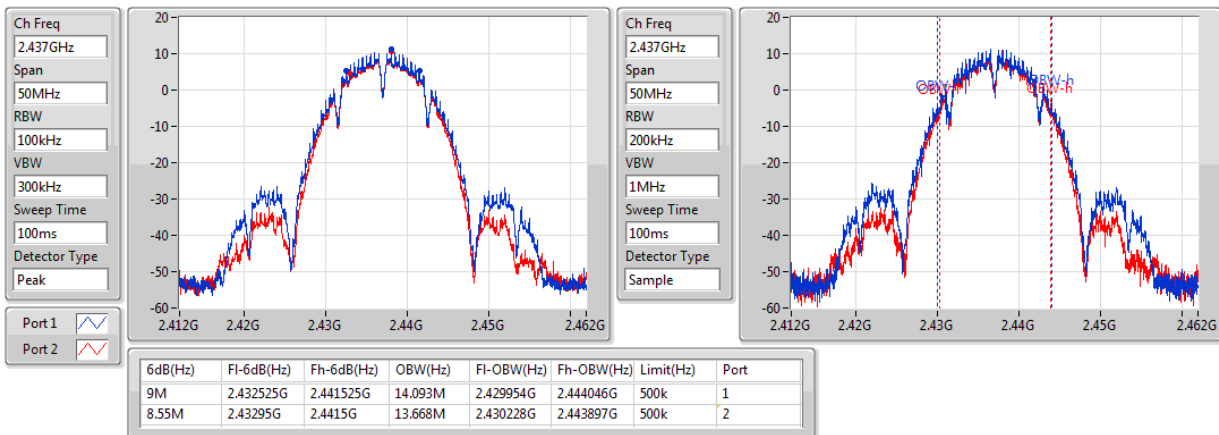


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz

01/02/2018

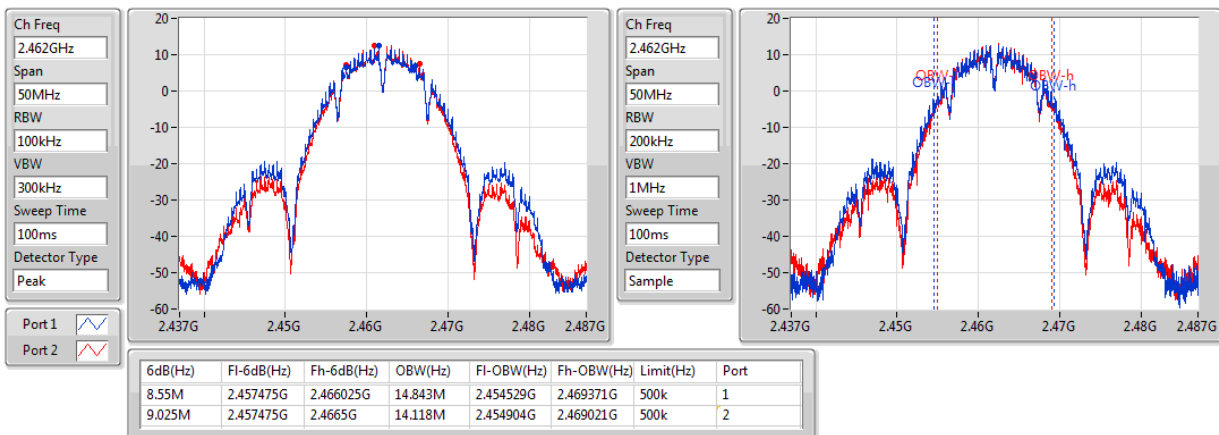


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2462MHz

02/02/2018



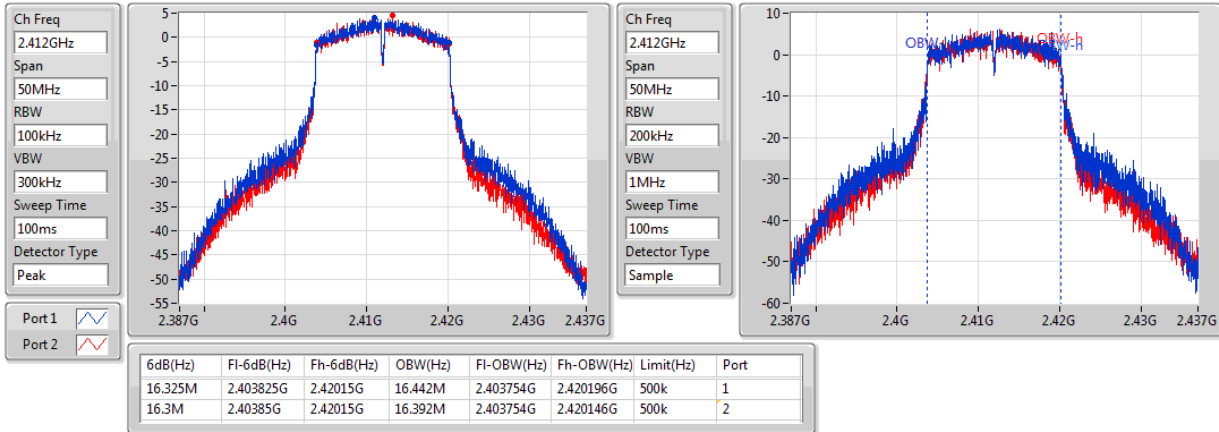


## 802.11g\_Nss1,(6Mbps)\_2TX

EBW

2412MHz

02/02/2018

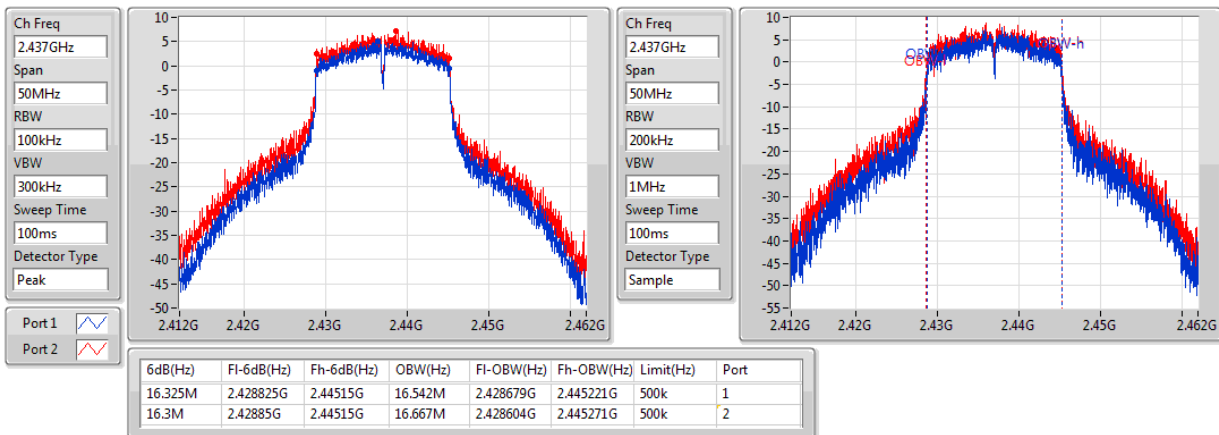


## 802.11g\_Nss1,(6Mbps)\_2TX

EBW

2437MHz

02/02/2018

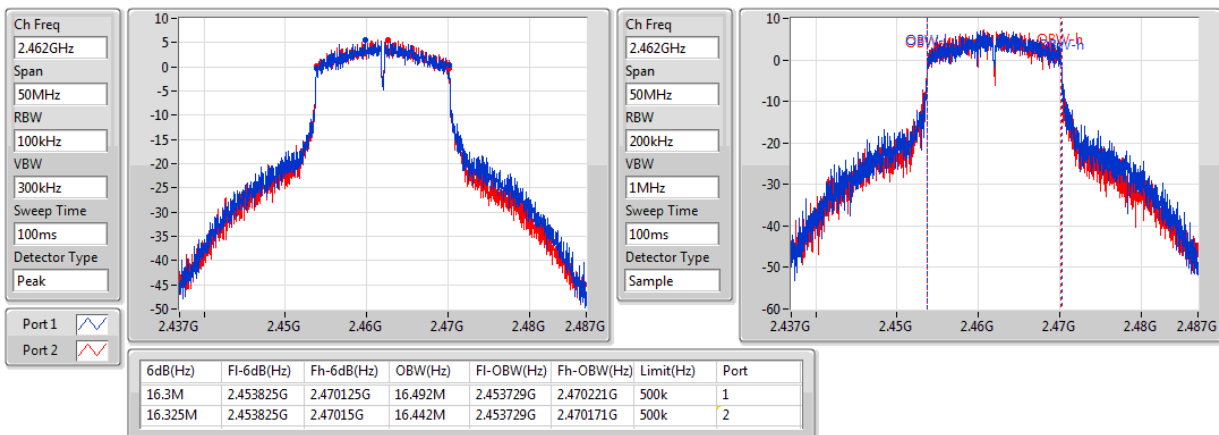


## 802.11g\_Nss1,(6Mbps)\_2TX

EBW

2462MHz

02/02/2018

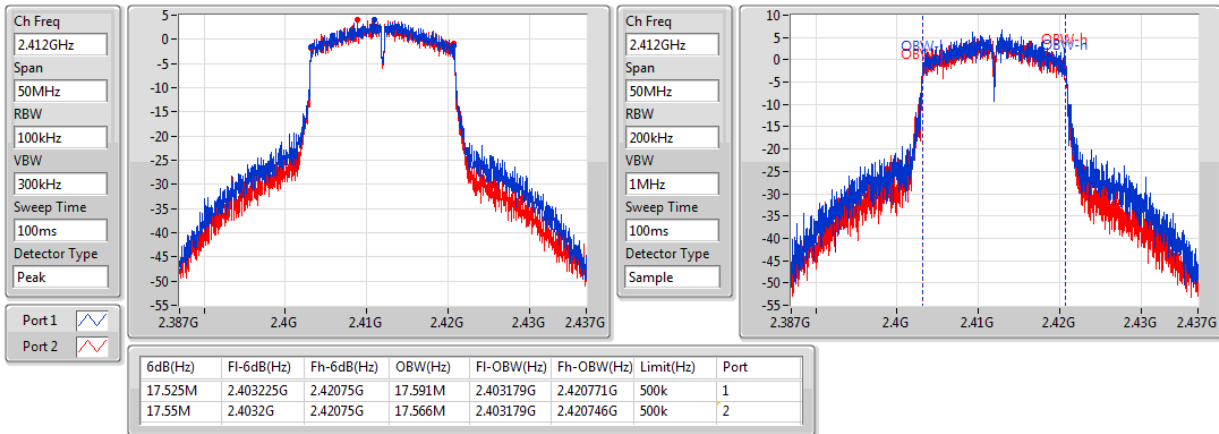


## 802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

02/02/2018

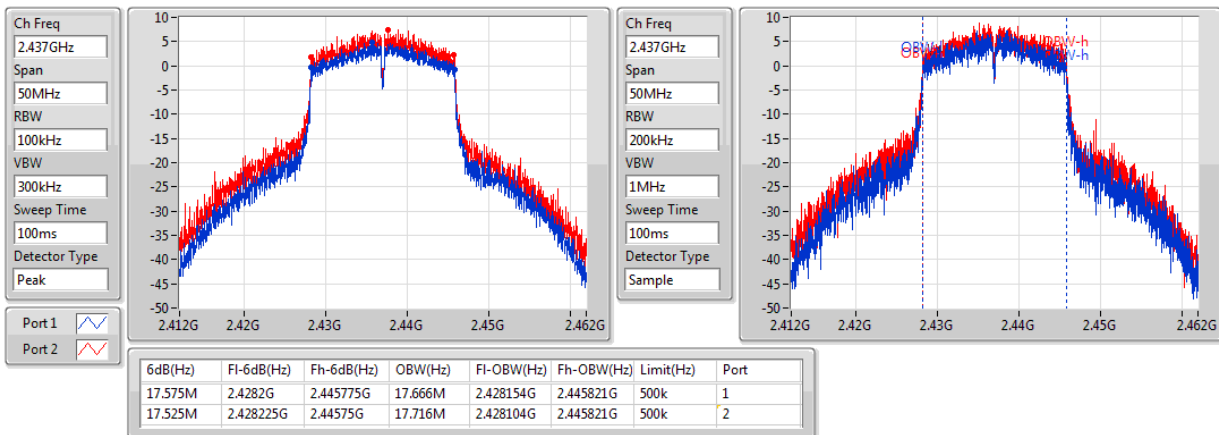


## 802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

02/02/2018

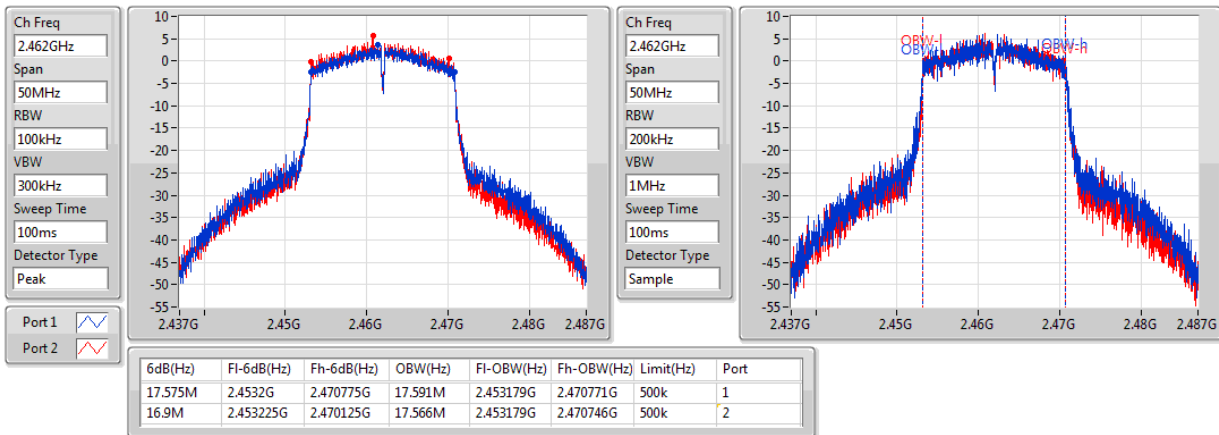


## 802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

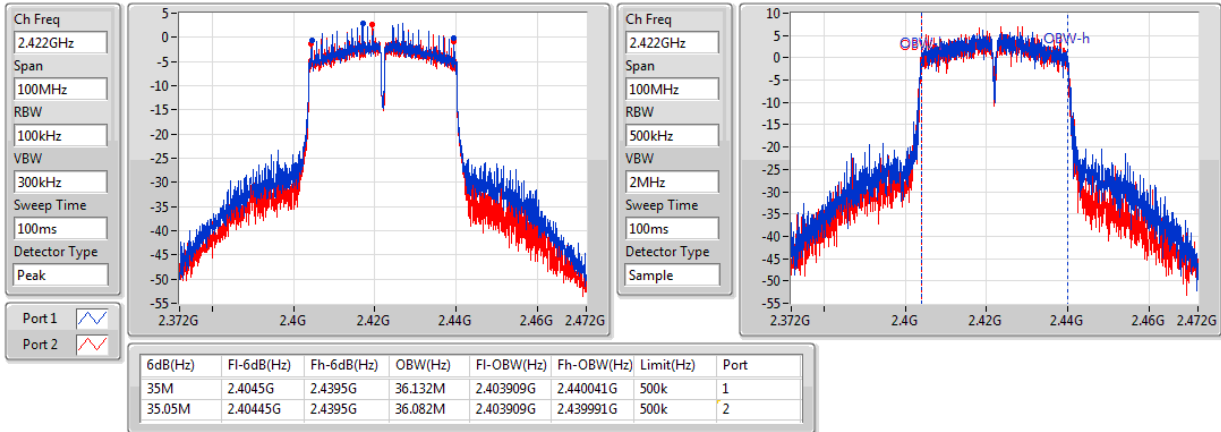
2462MHz

02/02/2018

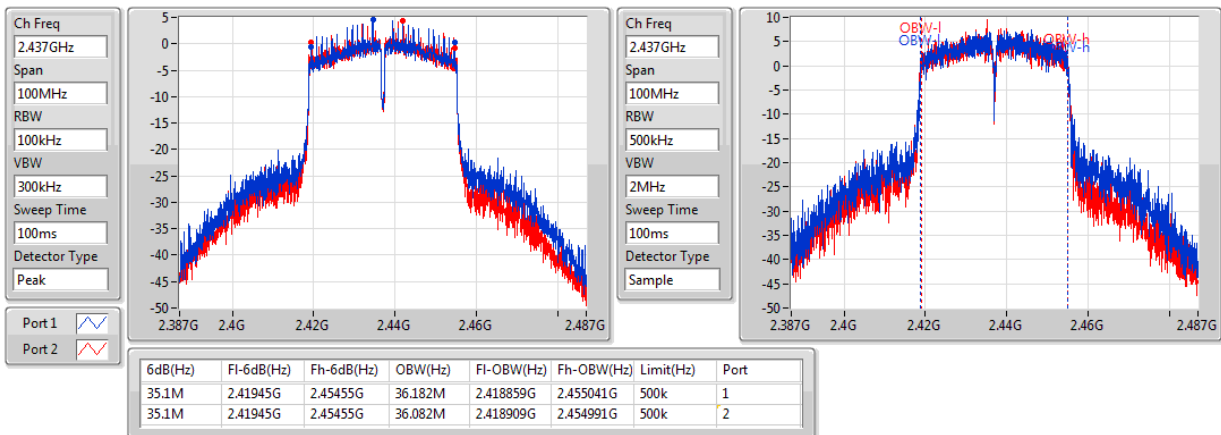


**802.11n HT40\_Nss1,(MCS0)\_2TX**
**EBW**
**2422MHz**

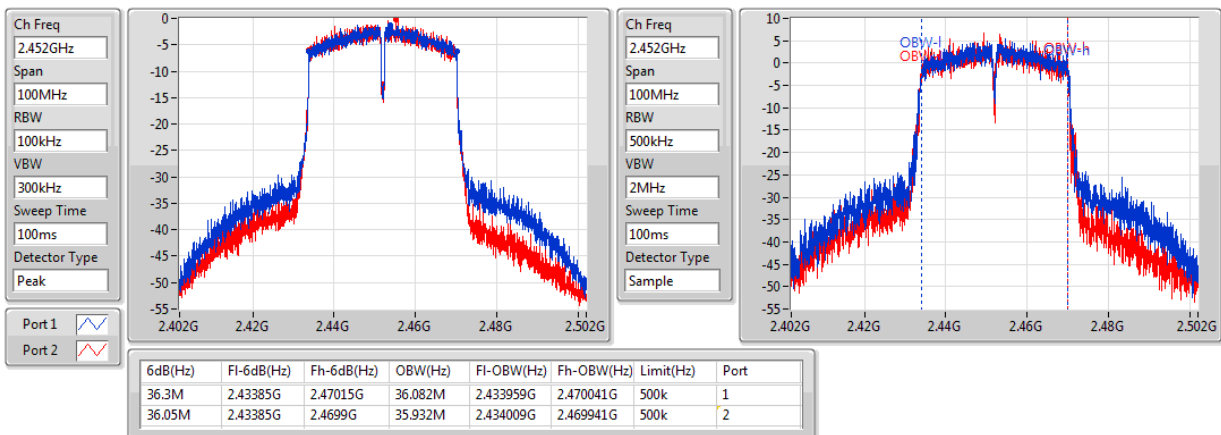
02/02/2018


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

02/02/2018


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

02/02/2018





## AV Power Result

## Appendix C

### Summary

| Mode                         | Total Power<br>(dBm) | Total Power<br>(W) |
|------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                | -                    | -                  |
| 802.11b_Nss1,(1Mbps)_2TX     | 25.32                | 0.34041            |
| 802.11g_Nss1,(6Mbps)_2TX     | 23.42                | 0.21979            |
| 802.11n HT20_Nss1,(MCS0)_2TX | 23.43                | 0.22029            |
| 802.11n HT40_Nss1,(MCS0)_2TX | 22.28                | 0.16904            |

### 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)_2TX     | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                      | Pass   | 3.71        | 21.65           | 21.21           | 24.45                | 30.00                |
| 2437MHz                      | Pass   | 3.71        | 21.59           | 21.93           | 24.77                | 30.00                |
| 2462MHz                      | Pass   | 3.71        | 22.15           | 22.46           | 25.32                | 30.00                |
| 802.11g_Nss1,(6Mbps)_2TX     | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                      | Pass   | 3.71        | 19.33           | 19.43           | 22.39                | 30.00                |
| 2437MHz                      | Pass   | 3.71        | 19.51           | 21.15           | 23.42                | 30.00                |
| 2457MHz                      | Pass   | 3.71        | 19.53           | 21.05           | 23.37                | 30.00                |
| 2462MHz                      | Pass   | 3.71        | 19.89           | 20.41           | 23.17                | 30.00                |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2412MHz                      | Pass   | 3.71        | 18.76           | 18.85           | 21.82                | 30.00                |
| 2437MHz                      | Pass   | 3.71        | 19.50           | 21.18           | 23.43                | 30.00                |
| 2457MHz                      | Pass   | 3.71        | 19.44           | 20.94           | 23.26                | 30.00                |
| 2462MHz                      | Pass   | 3.71        | 17.64           | 18.41           | 21.05                | 30.00                |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    |
| 2422MHz                      | Pass   | 3.71        | 17.36           | 17.78           | 20.59                | 30.00                |
| 2427MHz                      | Pass   | 3.71        | 18.47           | 18.65           | 21.57                | 30.00                |
| 2432MHz                      | Pass   | 3.71        | 19.14           | 19.40           | 22.28                | 30.00                |
| 2437MHz                      | Pass   | 3.71        | 18.31           | 19.46           | 21.93                | 30.00                |
| 2442MHz                      | Pass   | 3.71        | 16.65           | 16.91           | 19.79                | 30.00                |
| 2447MHz                      | Pass   | 3.71        | 16.58           | 16.93           | 19.77                | 30.00                |
| 2452MHz                      | Pass   | 3.71        | 16.64           | 17.04           | 19.85                | 30.00                |

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



## PSD Result

## Appendix D

### Summary

| Mode                         | PD<br>(dBm/RBW) |
|------------------------------|-----------------|
| 2.4-2.4835GHz                | -               |
| 802.11b_Nss1,(1Mbps)_2TX     | 1.09            |
| 802.11g_Nss1,(6Mbps)_2TX     | -1.97           |
| 802.11n HT20_Nss1,(MCS0)_2TX | -1.38           |
| 802.11n HT40_Nss1,(MCS0)_2TX | -8.01           |

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)_2TX     | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                      | Pass   | 6.11        | -0.49               | -0.42               | 0.37            | 7.89                  |
| 2437MHz                      | Pass   | 6.11        | -0.80               | -1.22               | 0.41            | 7.89                  |
| 2462MHz                      | Pass   | 6.11        | -0.11               | -0.43               | 1.09            | 7.89                  |
| 802.11g_Nss1,(6Mbps)_2TX     | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                      | Pass   | 6.11        | -6.44               | -6.33               | -4.78           | 7.89                  |
| 2437MHz                      | Pass   | 6.11        | -4.85               | -2.73               | -1.97           | 7.89                  |
| 2462MHz                      | Pass   | 6.11        | -6.23               | -6.48               | -4.10           | 7.89                  |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2412MHz                      | Pass   | 6.11        | -5.95               | -7.38               | -4.71           | 7.89                  |
| 2437MHz                      | Pass   | 6.11        | -2.04               | -2.35               | -1.38           | 7.89                  |
| 2462MHz                      | Pass   | 6.11        | -5.43               | -3.95               | -3.17           | 7.89                  |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 2422MHz                      | Pass   | 6.11        | -10.91              | -10.46              | -9.47           | 7.89                  |
| 2437MHz                      | Pass   | 6.11        | -9.06               | -9.02               | -8.01           | 7.89                  |
| 2452MHz                      | Pass   | 6.11        | -12.24              | -12.39              | -10.75          | 7.89                  |

DG = Directional Gain; RBW=3kHz;

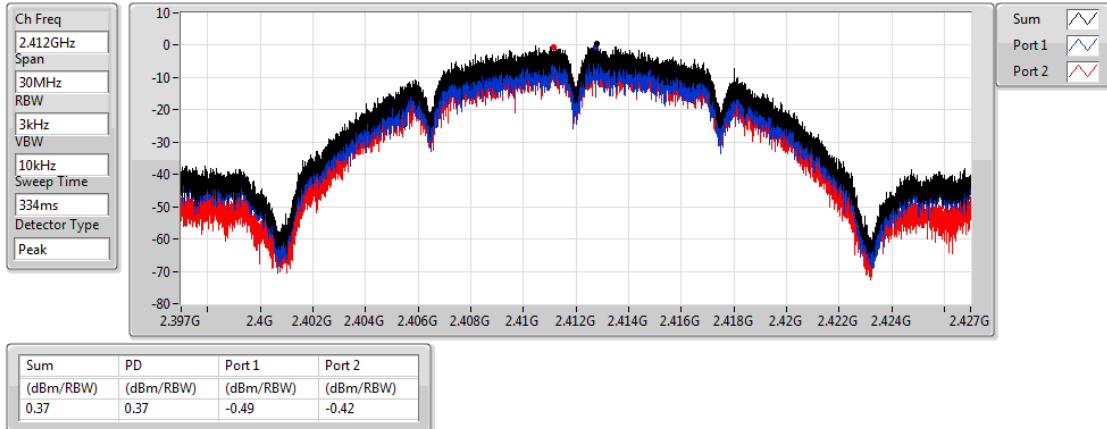
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2412MHz

05/02/2018

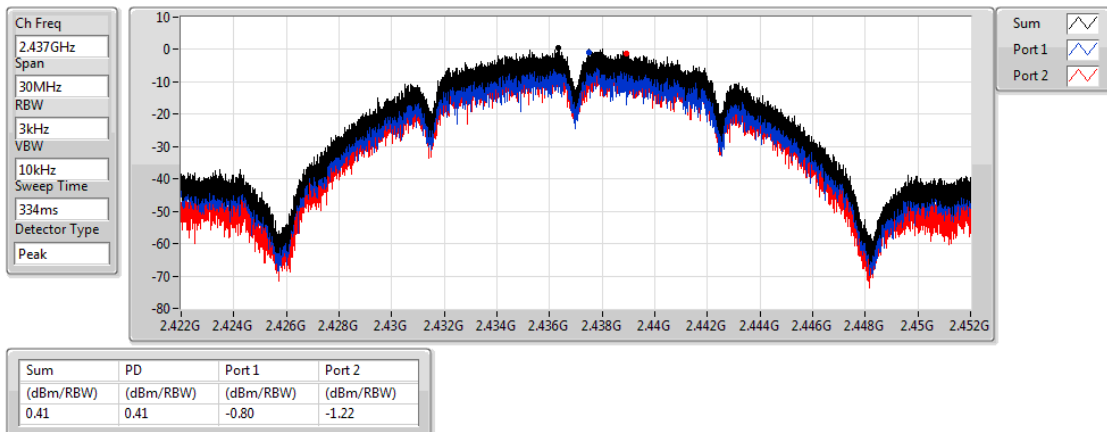


### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2437MHz

05/02/2018

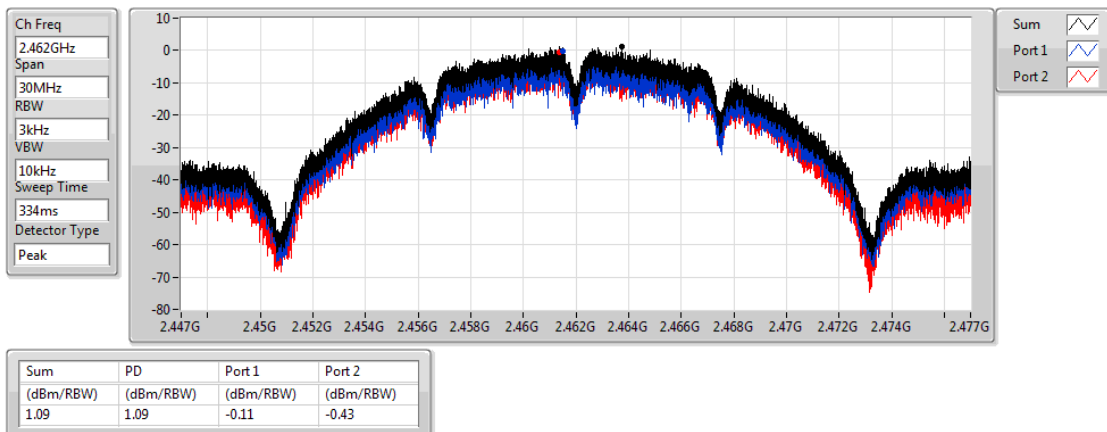


### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2462MHz

05/02/2018



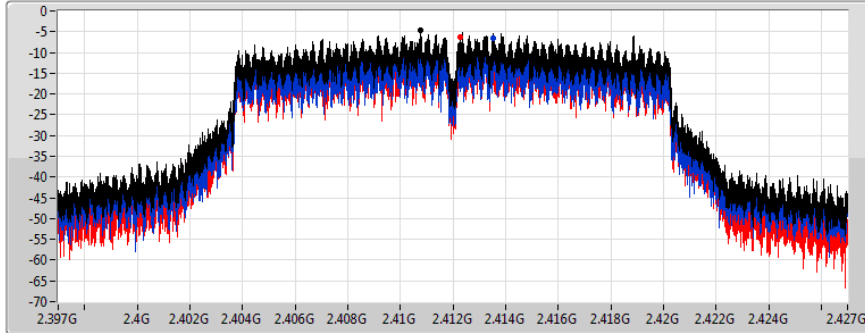
### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

05/02/2018

Ch Freq  
2.412GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum ☒  
Port 1 ☒  
Port 2 ☒

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.78     | -4.78     | -6.44     | -6.33     |

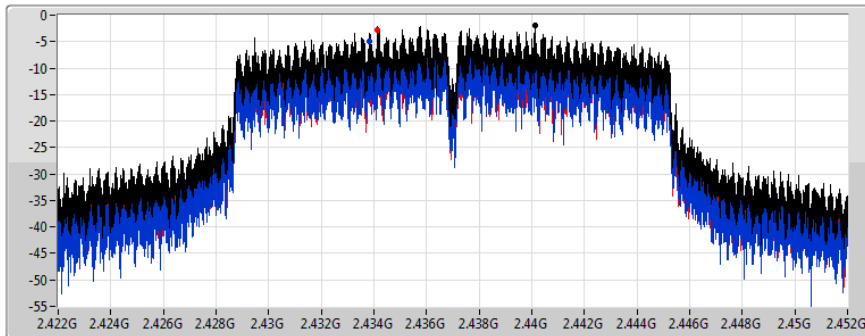
### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

05/02/2018

Ch Freq  
2.437GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum ☒  
Port 1 ☒  
Port 2 ☒

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.97     | -1.97     | -4.85     | -2.73     |

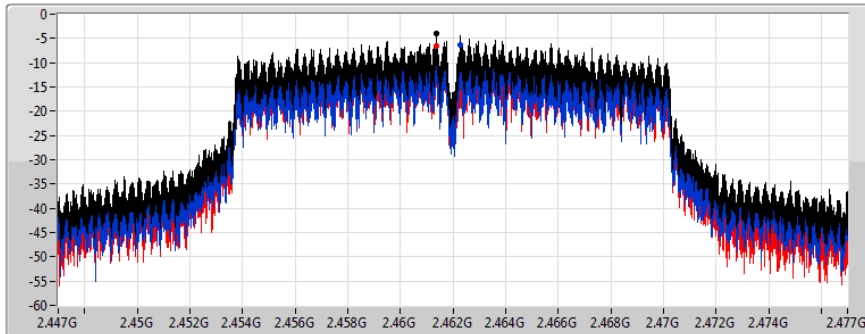
### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

02/02/2018

Ch Freq  
2.462GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum ☒  
Port 1 ☒  
Port 2 ☒

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.10     | -4.10     | -6.23     | -6.48     |

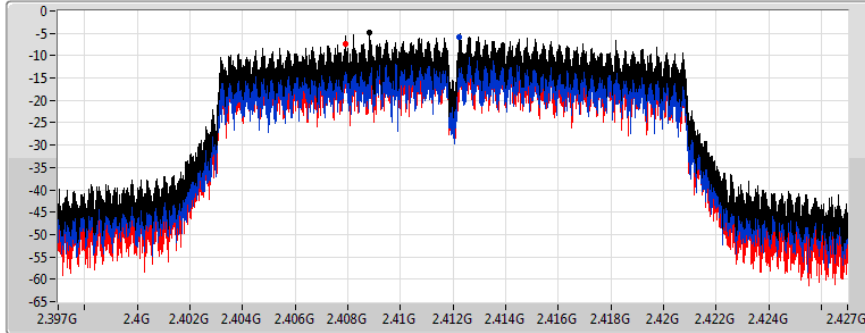
### 802.11n HT20\_Nss1,(MCS0)\_2TX

### PSD

2412MHz

05/02/2018

Ch Freq  
2.412GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum ☐  
Port 1 ☐  
Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.71     | -4.71     | -5.95     | -7.38     |

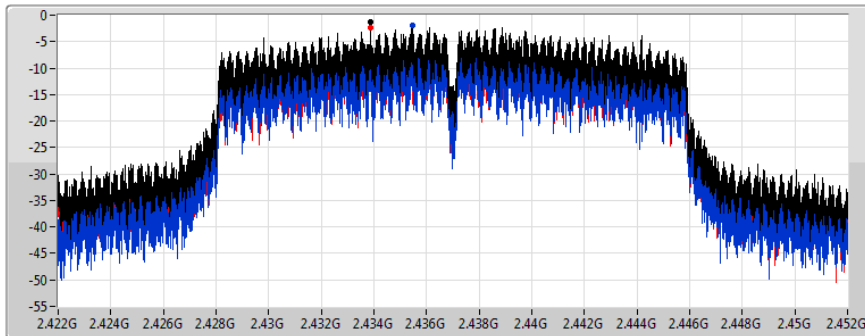
### 802.11n HT20\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

05/02/2018

Ch Freq  
2.437GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum ☐  
Port 1 ☐  
Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.38     | -1.38     | -2.04     | -2.35     |

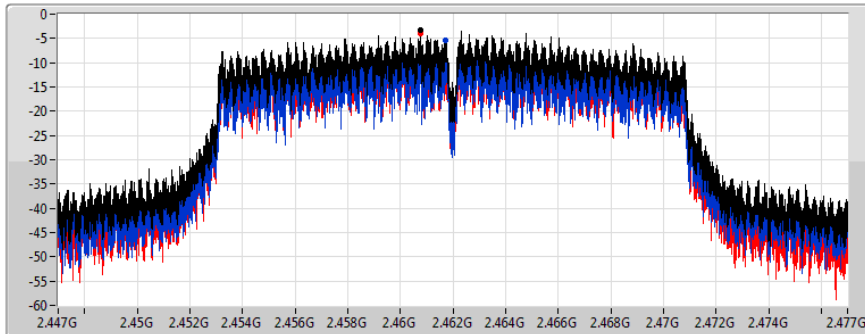
### 802.11n HT20\_Nss1,(MCS0)\_2TX

### PSD

2462MHz

05/02/2018

Ch Freq  
2.462GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum ☐  
Port 1 ☐  
Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.17     | -3.17     | -5.43     | -3.95     |

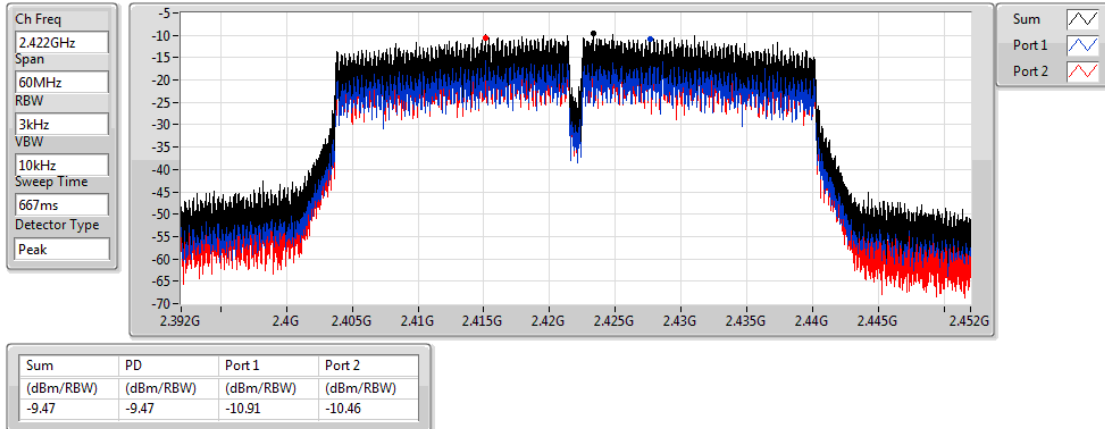


### 802.11n HT40\_Nss1,(MCS0)\_2TX

### PSD

2422MHz

05/02/2018

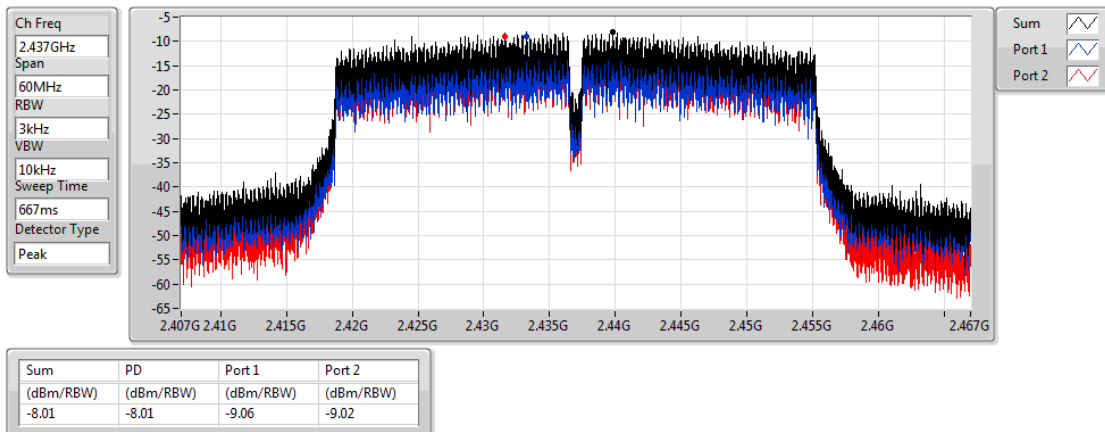


### 802.11n HT40\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

05/02/2018

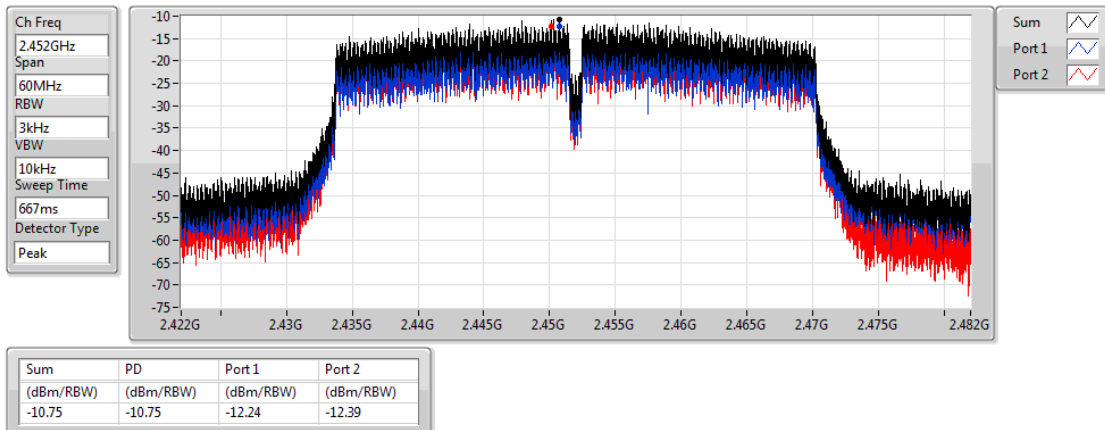


### 802.11n HT40\_Nss1,(MCS0)\_2TX

### PSD

2452MHz

02/02/2018





## CSE Non-restricted Band Result

Appendix E

### 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 |
|------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 2.4-2.4835GHz                | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 802.11b_Nss1,(1Mbps)_2TX     | Pass   | 2.460454G   | 11.10        | -18.90         | 2.30874G     | -61.46         | 2.39904G     | -26.96         | 2.49958G     | -58.47         | 7.235136G    | -37.66         | 1    |
| 802.11g_Nss1,(6Mbps)_2TX     | Pass   | 2.438243G   | 7.13         | -22.87         | 2.30408G     | -60.99         | 2.39984G     | -23.11         | 2.48758G     | -58.11         | 7.232327G    | -41.86         | 1    |
| 802.11n HT20_Nss1,(MCS0)_2TX | Pass   | 2.434569G   | 7.09         | -22.91         | 2.30408G     | -61.05         | 2.39832G     | -23.39         | 2.48678G     | -58.74         | 7.237946G    | -44.72         | 1    |
| 802.11n HT40_Nss1,(MCS0)_2TX | Pass   | 2.440748G   | 4.23         | -25.77         | 2.307405G    | -60.88         | 2.39952G     | -25.95         | 2.4859G      | -39.00         | 17.410854G   | -52.52         | 1    |

### Result

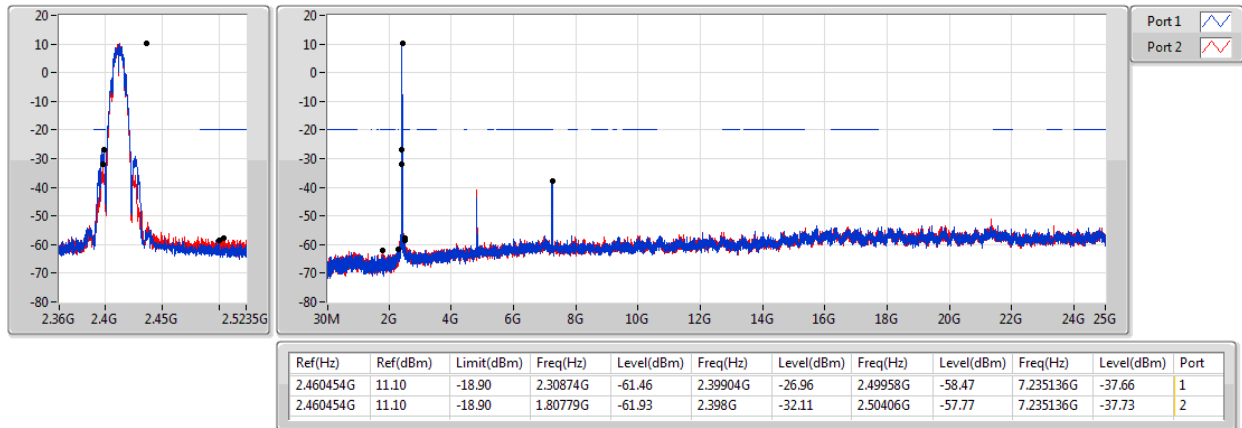
| Mode                         | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11b_Nss1,(1Mbps)_2TX     | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                      | Pass   | 2.460454G   | 11.10        | -18.90         | 2.30874G     | -61.46         | 2.39904G     | -26.96         | 2.49958G     | -58.47         | 7.235136G    | -37.66         | 1    |
| 2412MHz                      | Pass   | 2.460454G   | 11.10        | -18.90         | 1.80779G     | -61.93         | 2.398G       | -32.11         | 2.50406G     | -57.77         | 7.235136G    | -37.73         | 2    |
| 2437MHz                      | Pass   | 2.460454G   | 11.10        | -18.90         | 2.307575G    | -62.25         | 2.39288G     | -58.36         | 2.49046G     | -57.45         | 24.519565G   | -53.43         | 1    |
| 2437MHz                      | Pass   | 2.460454G   | 11.10        | -18.90         | 871.13M      | -61.71         | 2.39496G     | -57.71         | 2.48494G     | -57.08         | 23.513741G   | -53.50         | 2    |
| 2462MHz                      | Pass   | 2.460454G   | 11.10        | -18.90         | 701.04M      | -61.97         | 2.39936G     | -60.61         | 2.48798G     | -49.49         | 16.759553G   | -53.90         | 1    |
| 2462MHz                      | Pass   | 2.460454G   | 11.10        | -18.90         | 2.058265G    | -61.51         | 2.39944G     | -58.53         | 2.48742G     | -46.58         | 23.530599G   | -53.54         | 2    |
| 802.11g_Nss1,(6Mbps)_2TX     | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                      | Pass   | 2.438243G   | 7.13         | -22.87         | 2.30408G     | -60.99         | 2.39984G     | -23.11         | 2.48758G     | -58.11         | 7.232327G    | -41.86         | 1    |
| 2412MHz                      | Pass   | 2.438243G   | 7.13         | -22.87         | 2.302915G    | -61.97         | 2.39864G     | -24.54         | 2.4875G      | -58.97         | 7.235136G    | -43.53         | 2    |
| 2437MHz                      | Pass   | 2.438243G   | 7.13         | -22.87         | 2.307575G    | -61.79         | 2.39896G     | -53.79         | 2.50838G     | -58.42         | 21.757765G   | -53.49         | 1    |
| 2437MHz                      | Pass   | 2.438243G   | 7.13         | -22.87         | 2.309905G    | -62.06         | 2.3936G      | -46.75         | 2.48382G     | -50.97         | 15.335105G   | -53.63         | 2    |
| 2462MHz                      | Pass   | 2.438243G   | 7.13         | -22.87         | 787.25M      | -62.78         | 2.39144G     | -59.76         | 2.48382G     | -36.01         | 16.669647G   | -53.57         | 1    |
| 2462MHz                      | Pass   | 2.438243G   | 7.13         | -22.87         | 525.125M     | -62.58         | 2.39008G     | -58.01         | 2.48382G     | -36.31         | 17.062986G   | -53.34         | 2    |
| 802.11n HT20_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                      | Pass   | 2.434569G   | 7.09         | -22.91         | 2.30408G     | -61.05         | 2.39832G     | -23.39         | 2.48678G     | -58.74         | 7.237946G    | -44.72         | 1    |
| 2412MHz                      | Pass   | 2.434569G   | 7.09         | -22.91         | 2.30408G     | -61.34         | 2.39992G     | -25.60         | 2.48902G     | -58.59         | 7.232327G    | -44.20         | 2    |
| 2437MHz                      | Pass   | 2.434569G   | 7.09         | -22.91         | 2.309905G    | -62.01         | 2.39792G     | -54.48         | 2.48678G     | -58.11         | 16.369024G   | -53.32         | 1    |
| 2437MHz                      | Pass   | 2.434569G   | 7.09         | -22.91         | 2.309905G    | -61.50         | 2.39952G     | -45.83         | 2.4863G      | -49.42         | 21.592001G   | -53.45         | 2    |
| 2462MHz                      | Pass   | 2.434569G   | 7.09         | -22.91         | 831.52M      | -62.00         | 2.3936G      | -58.99         | 2.48358G     | -38.41         | 21.566715G   | -53.74         | 1    |
| 2462MHz                      | Pass   | 2.434569G   | 7.09         | -22.91         | 734.825M     | -61.80         | 2.39736G     | -58.09         | 2.48414G     | -38.90         | 21.409379G   | -53.64         | 2    |
| 802.11n HT40_Nss1,(MCS0)_2TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                      | Pass   | 2.440748G   | 4.23         | -25.77         | 2.302825G    | -61.18         | 2.39968G     | -25.99         | 2.48462G     | -53.07         | 7.249924G    | -50.69         | 1    |
| 2422MHz                      | Pass   | 2.440748G   | 4.23         | -25.77         | 2.30397G     | -59.51         | 2.39296G     | -26.74         | 2.48926G     | -52.34         | 7.249924G    | -48.66         | 2    |
| 2437MHz                      | Pass   | 2.440748G   | 4.23         | -25.77         | 2.307405G    | -60.88         | 2.39952G     | -25.95         | 2.4859G      | -39.00         | 17.410854G   | -52.52         | 1    |
| 2437MHz                      | Pass   | 2.440748G   | 4.23         | -25.77         | 2.302825G    | -61.33         | 2.39936G     | -29.43         | 2.49326G     | -42.90         | 16.339511G   | -52.19         | 2    |
| 2452MHz                      | Pass   | 2.440748G   | 4.23         | -25.77         | 1.77727G     | -61.72         | 2.39792G     | -50.28         | 2.48574G     | -34.19         | 16.754586G   | -53.01         | 1    |
| 2452MHz                      | Pass   | 2.440748G   | 4.23         | -25.77         | 2.30626G     | -62.37         | 2.39744G     | -52.90         | 2.48398G     | -41.18         | 16.740563G   | -53.43         | 2    |

### 802.11b\_Nss1,(1Mbps)\_2TX

CSE NdB

2412MHz

02/02/2018

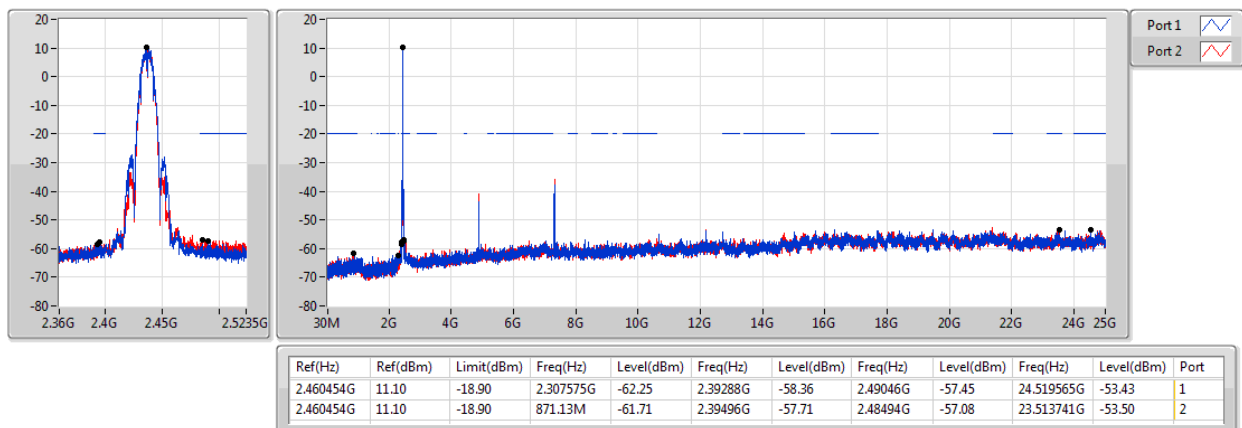


### 802.11b\_Nss1,(1Mbps)\_2TX

CSE NdB

2437MHz

01/02/2018

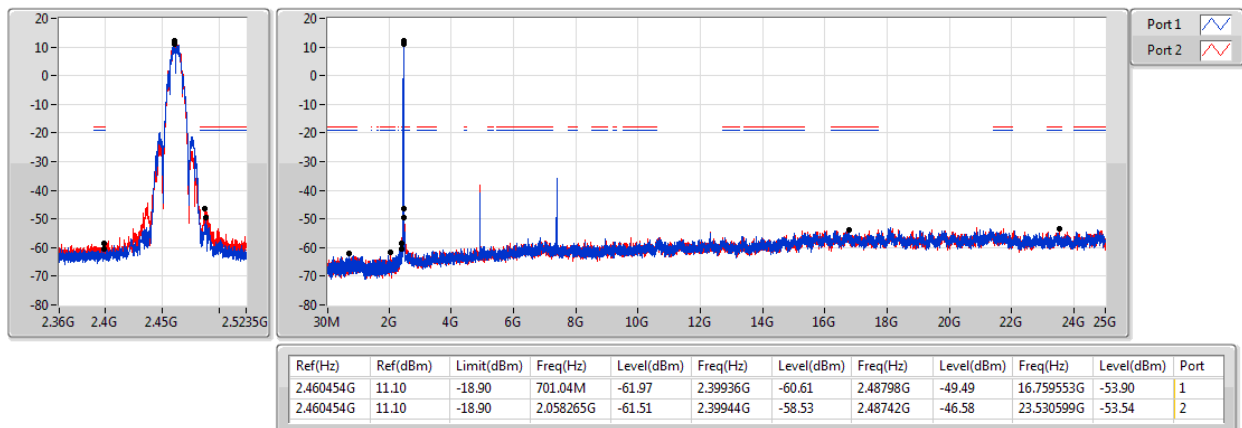


### 802.11b\_Nss1,(1Mbps)\_2TX

CSE NdB

2462MHz

02/02/2018

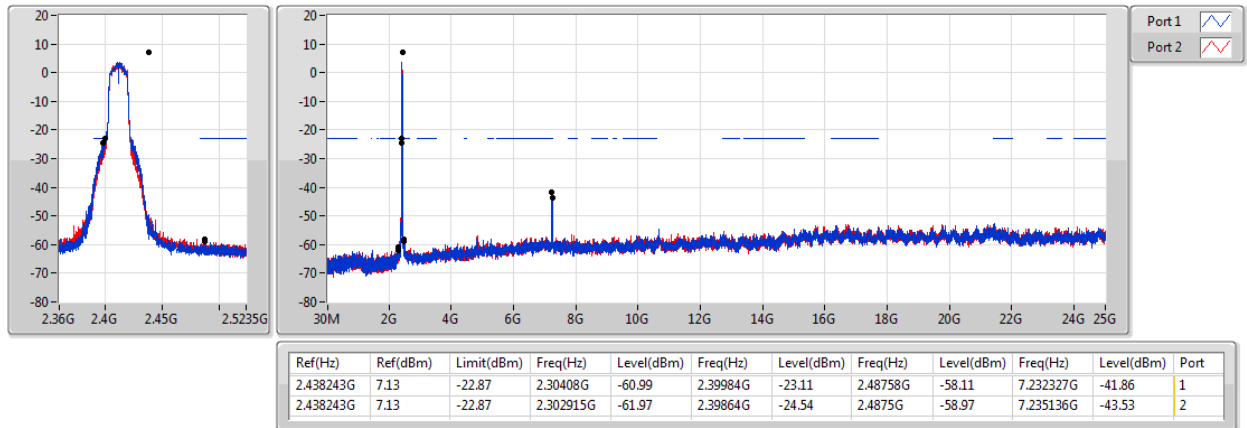


### 802.11g\_Nss1,(6Mbps)\_2TX

CSE NdB

2412MHz

02/02/2018

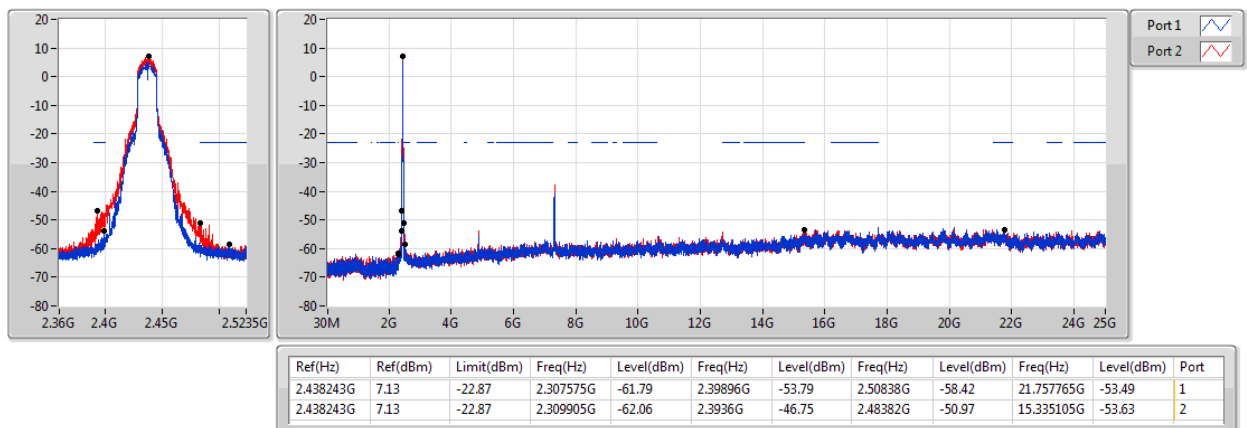


### 802.11g\_Nss1,(6Mbps)\_2TX

CSE NdB

2437MHz

02/02/2018

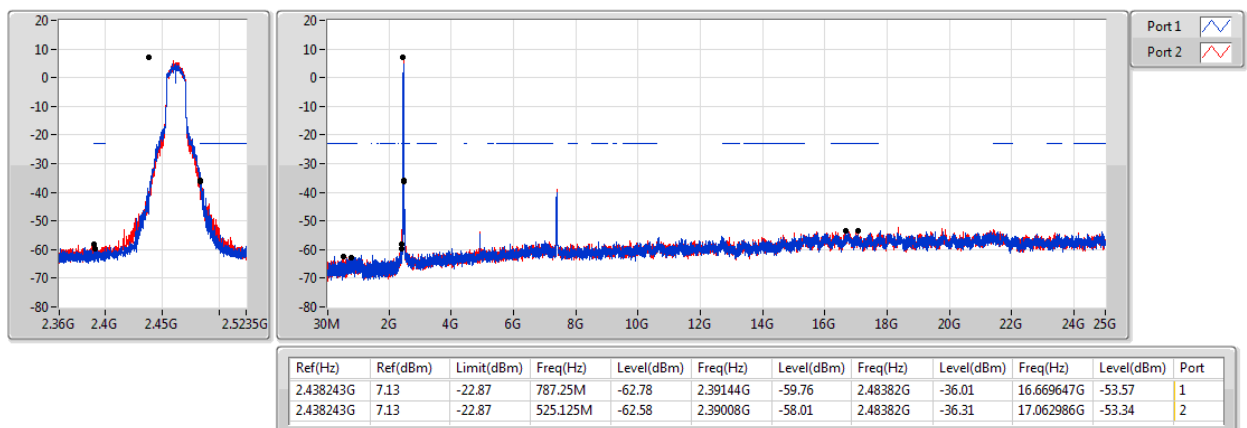


### 802.11g\_Nss1,(6Mbps)\_2TX

CSE NdB

2462MHz

02/02/2018

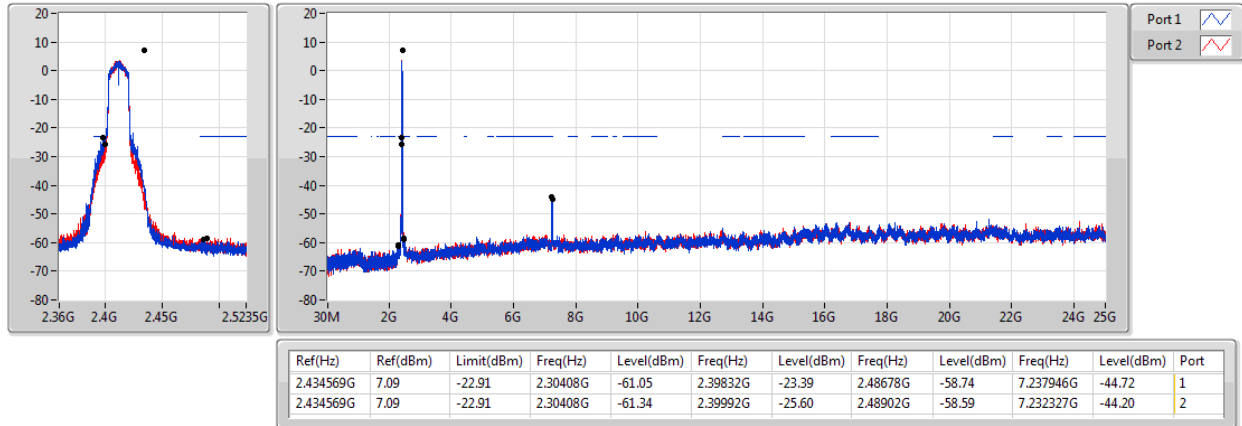


### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

2412MHz

02/02/2018

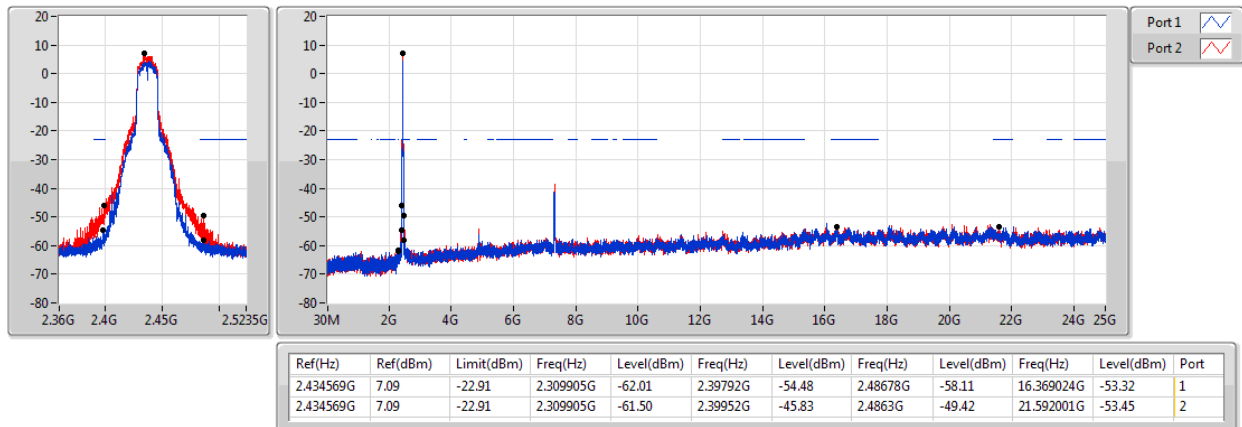


### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

2437MHz

02/02/2018

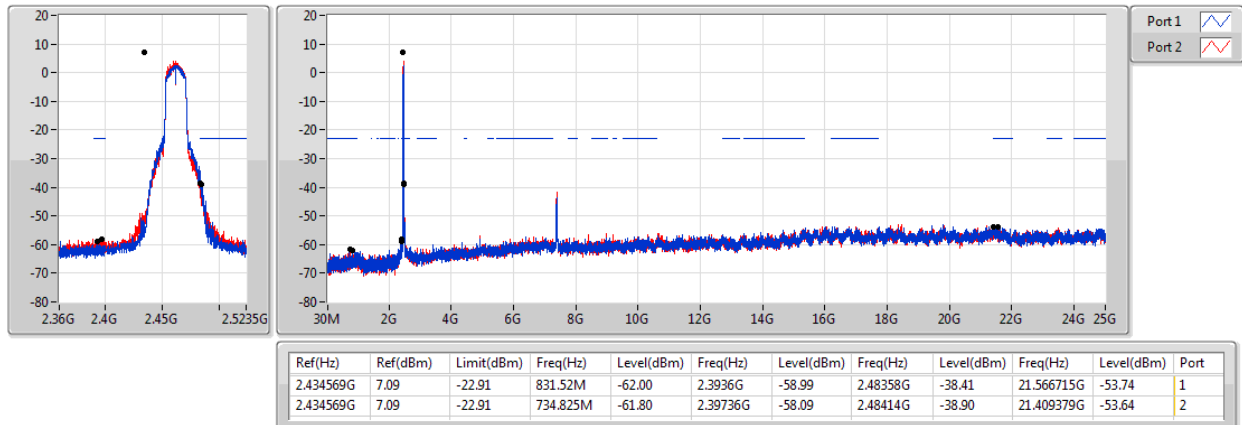


### 802.11n HT20\_Nss1,(MCS0)\_2TX

CSE NdB

2462MHz

02/02/2018

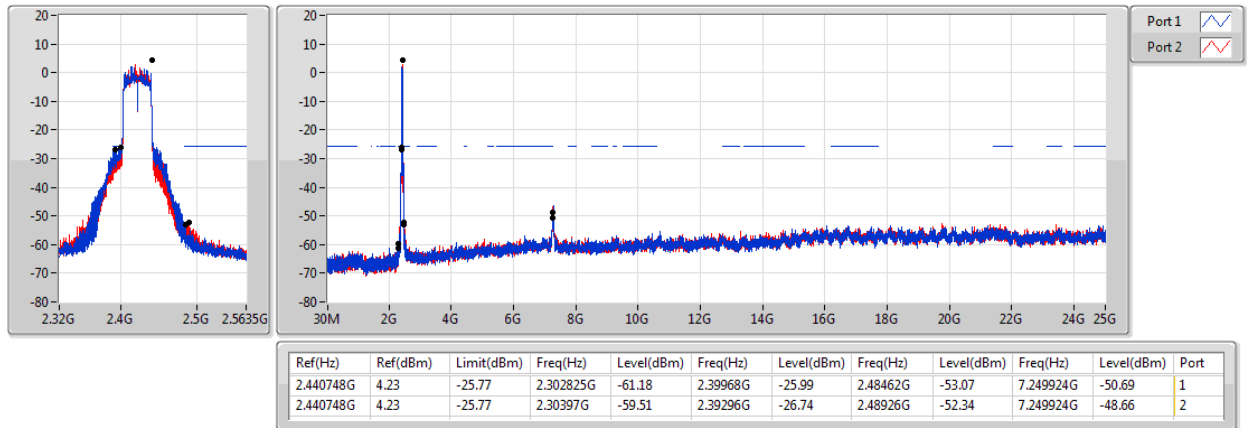


### 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

2422MHz

02/02/2018

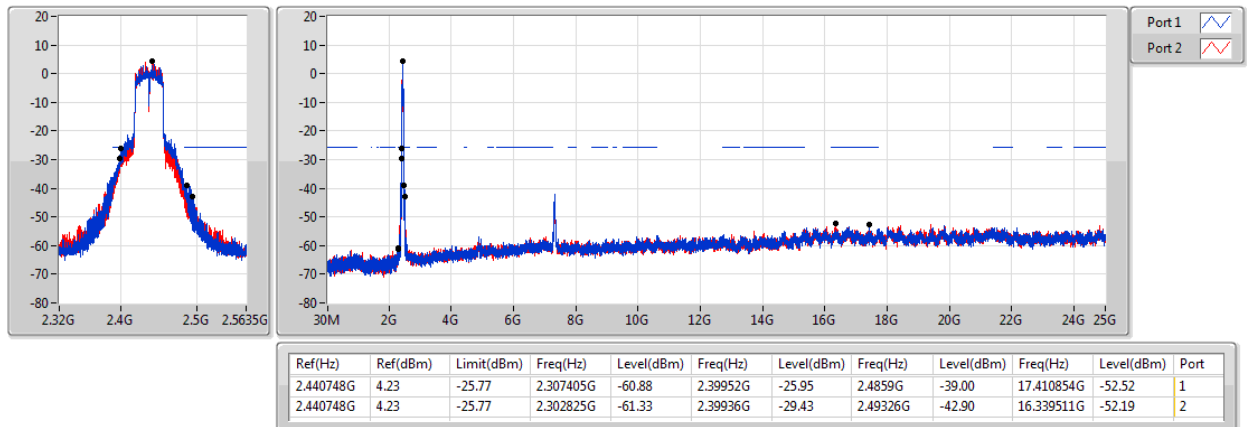


### 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

2437MHz

02/02/2018

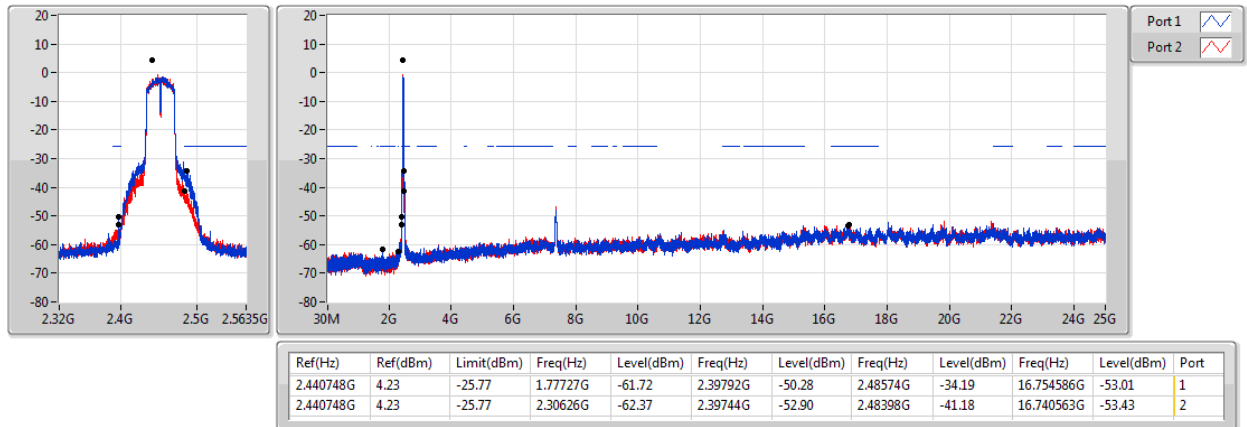


### 802.11n HT40\_Nss1,(MCS0)\_2TX

CSE NdB

2452MHz

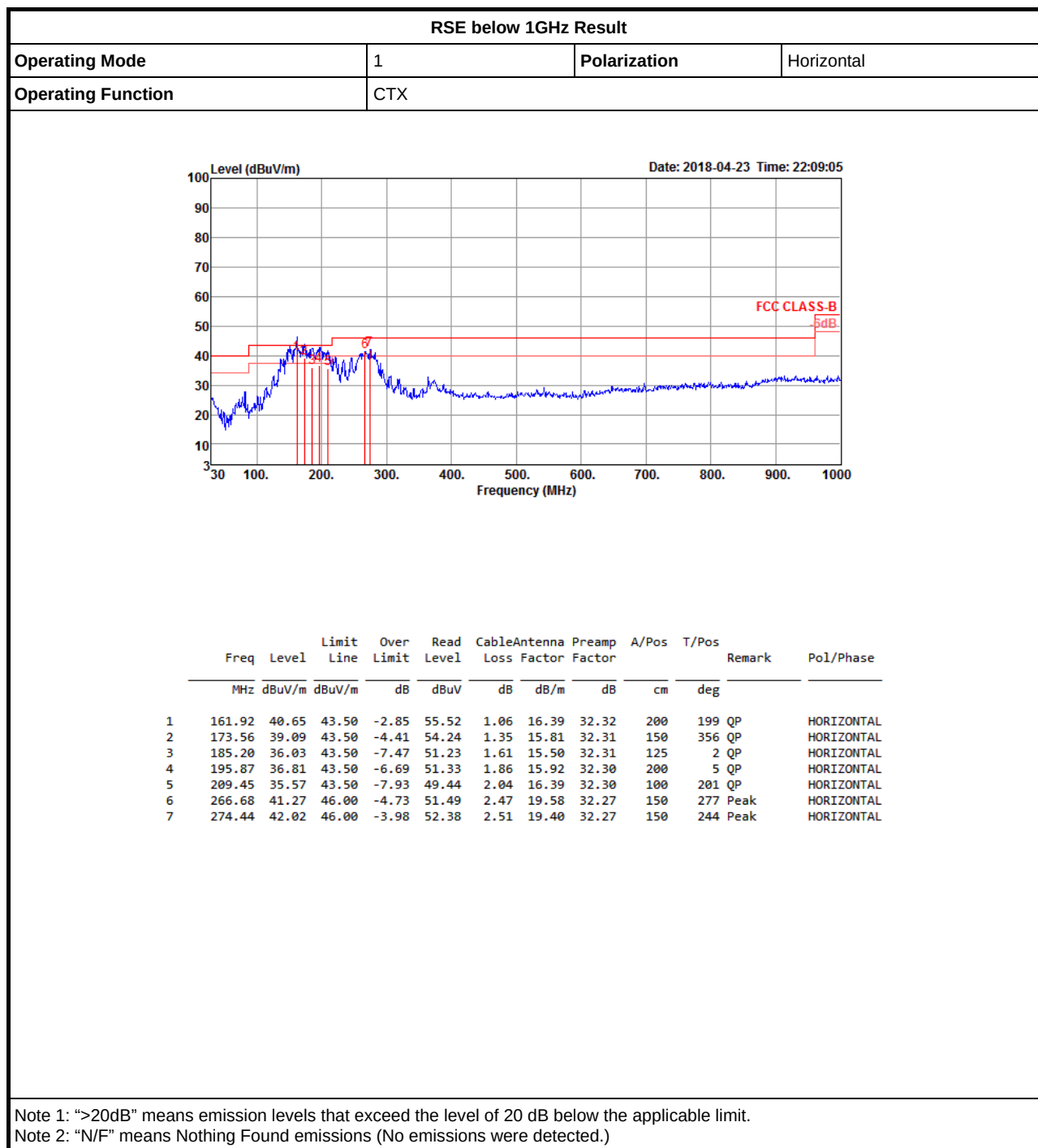
02/02/2018





## RSE below 1GHz Result

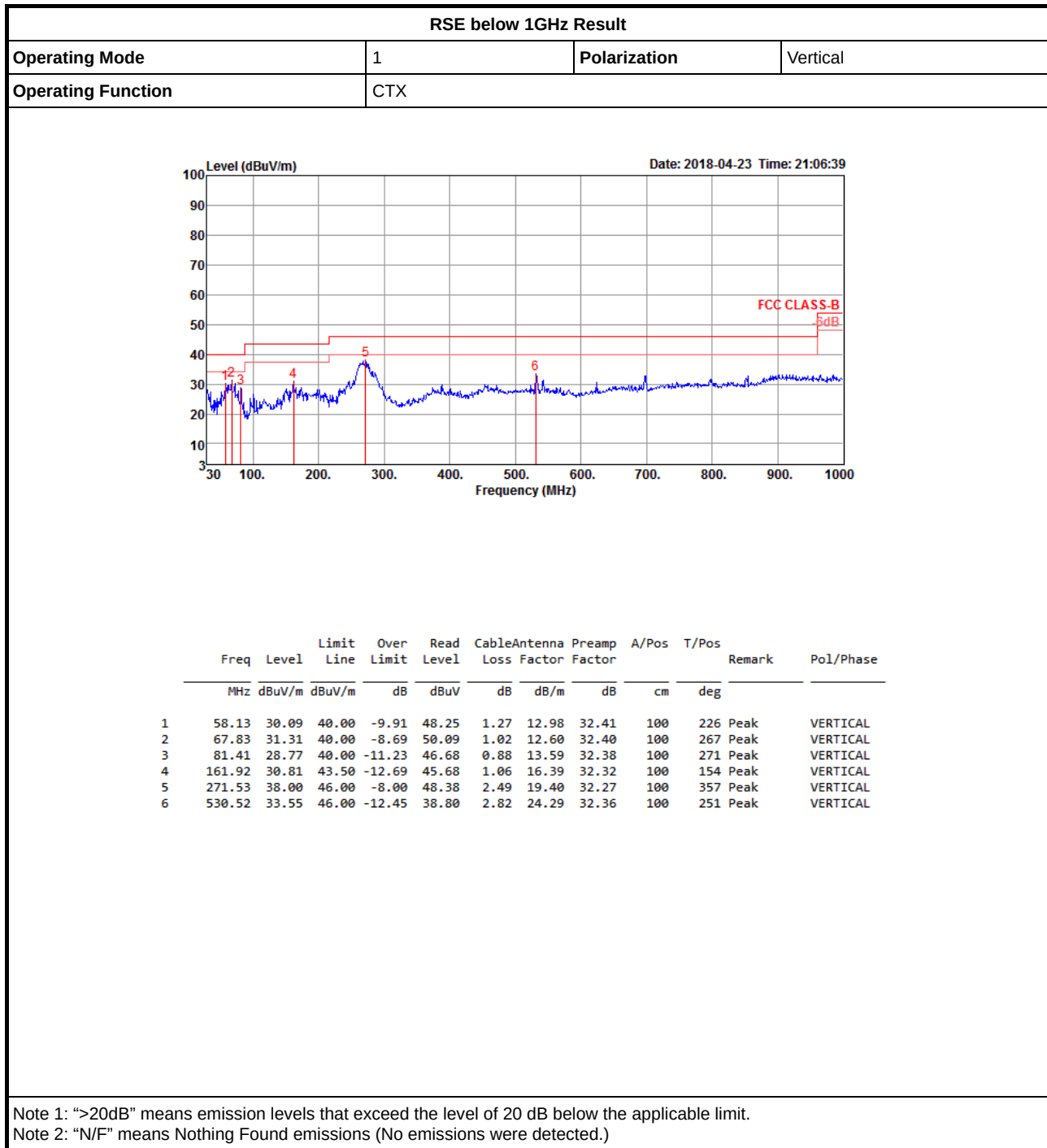
Appendix F.1





## RSE below 1GHz Result

Appendix F.1







## RSE TX above 1GHz Result

## Appendix F.2

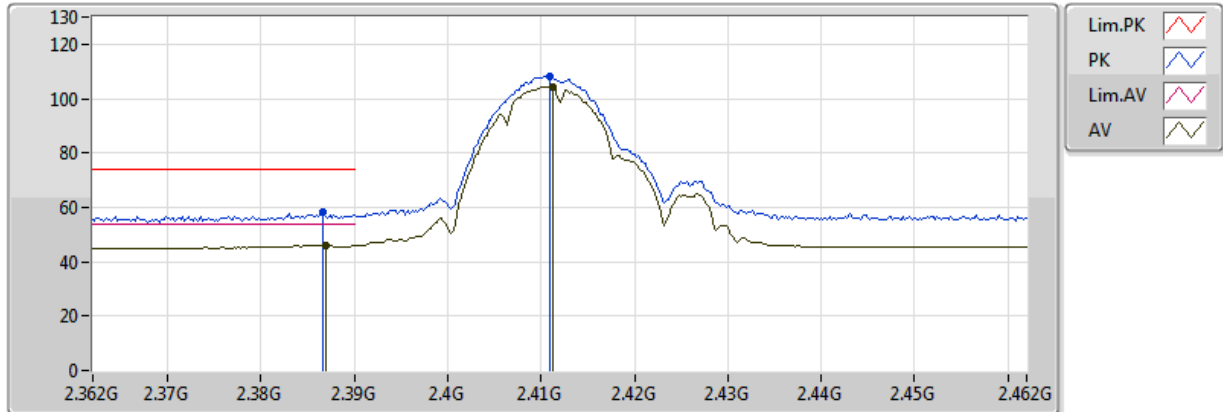
### Summary

| 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 |
|--------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 2.4-2.4835GHz            | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 802.11b_Nss1,(1Mbps)_2TX | Pass   | AV   | 2.4878G      | 53.98             | 54.00             | -0.02          | 33.19          | 3           | Horizontal | 202            | 2.53          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2412MHz\_TX

02/04/2018



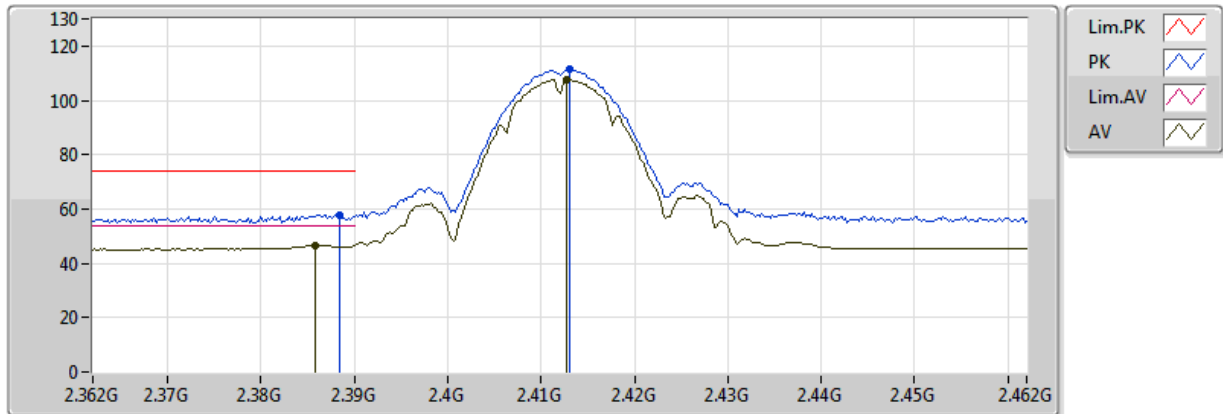
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3866G      | 58.37             | 74.00             | -15.63         | 33.16          | 3           | Vertical  | 126            | 2.25          | -        |
| AV   | 2.387G       | 46.18             | 54.00             | -7.82          | 33.16          | 3           | Vertical  | 126            | 2.25          | -        |
| PK   | 2.411G       | 108.21            | Inf               | -Inf           | 33.17          | 3           | Vertical  | 126            | 2.25          | -        |
| AV   | 2.4112G      | 104.41            | Inf               | -Inf           | 33.17          | 3           | Vertical  | 126            | 2.25          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2412MHz\_TX

02/04/2018



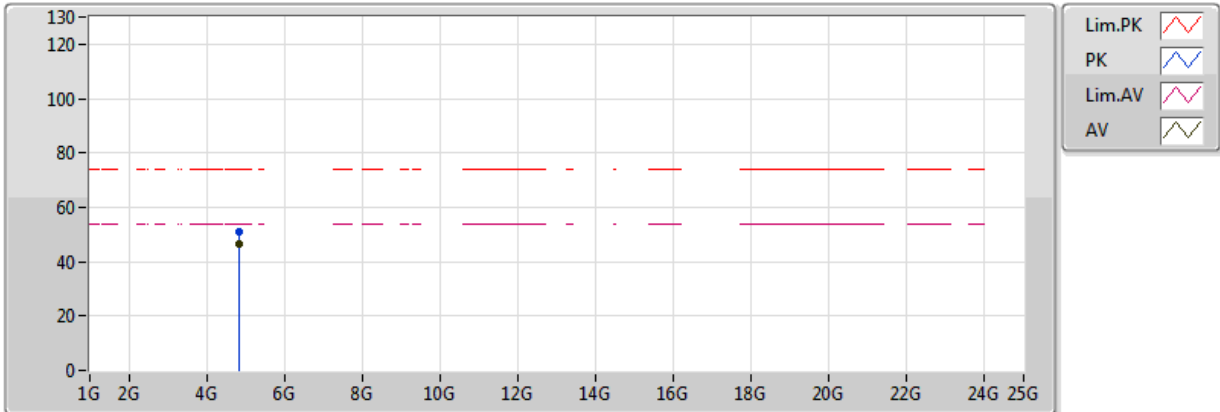
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3884G      | 57.96             | 74.00             | -16.04         | 33.17          | 3           | Horizontal | 209            | 2.38          | -        |
| AV   | 2.3858G      | 46.69             | 54.00             | -7.31          | 33.16          | 3           | Horizontal | 209            | 2.38          | -        |
| PK   | 2.413G       | 111.57            | Inf               | -Inf           | 33.17          | 3           | Horizontal | 209            | 2.38          | -        |
| AV   | 2.4128G      | 107.57            | Inf               | -Inf           | 33.17          | 3           | Horizontal | 209            | 2.38          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2412MHz\_TX

02/04/2018



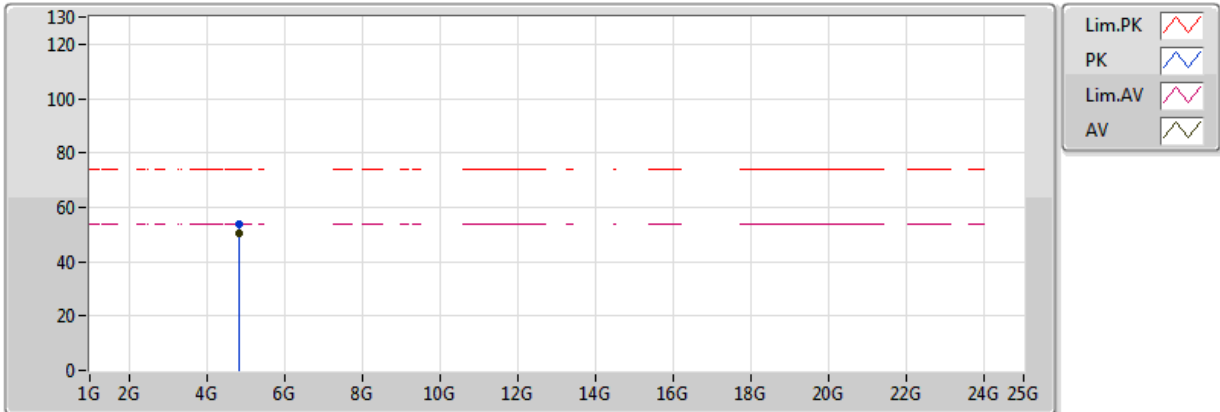
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.824G       | 51.15             | 74.00             | -22.85         | 5.97           | 3           | Vertical  | 101            | 2.04          | -        |
| AV   | 4.82396G     | 46.37             | 54.00             | -7.63          | 5.97           | 3           | Vertical  | 101            | 2.04          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2412MHz\_TX

02/04/2018



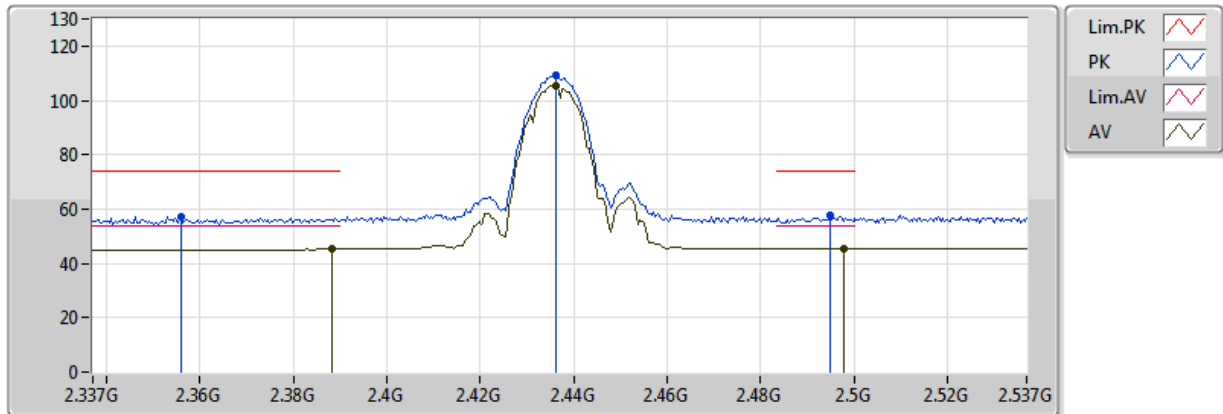
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.82392G     | 53.78             | 74.00             | -20.22         | 5.97           | 3           | Horizontal | 352            | 1.10          | -        |
| AV   | 4.824G       | 50.22             | 54.00             | -3.78          | 5.97           | 3           | Horizontal | 352            | 1.10          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2437MHz\_TX

02/04/2018



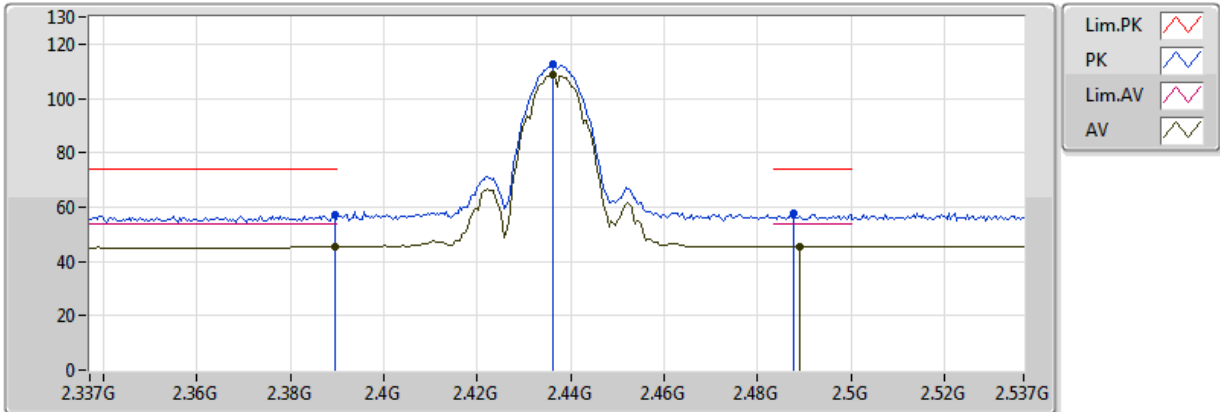
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3558G      | 57.30             | 74.00             | -16.70         | 33.15          | 3           | Vertical  | 125            | 2.78          | -        |
| AV   | 2.3882G      | 45.21             | 54.00             | -8.79          | 33.17          | 3           | Vertical  | 125            | 2.78          | -        |
| PK   | 2.4362G      | 109.36            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 125            | 2.78          | -        |
| AV   | 2.4362G      | 105.50            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 125            | 2.78          | -        |
| PK   | 2.495G       | 57.45             | 74.00             | -16.55         | 33.19          | 3           | Vertical  | 125            | 2.78          | -        |
| AV   | 2.4978G      | 45.40             | 54.00             | -8.60          | 33.19          | 3           | Vertical  | 125            | 2.78          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2437MHz\_TX

02/04/2018



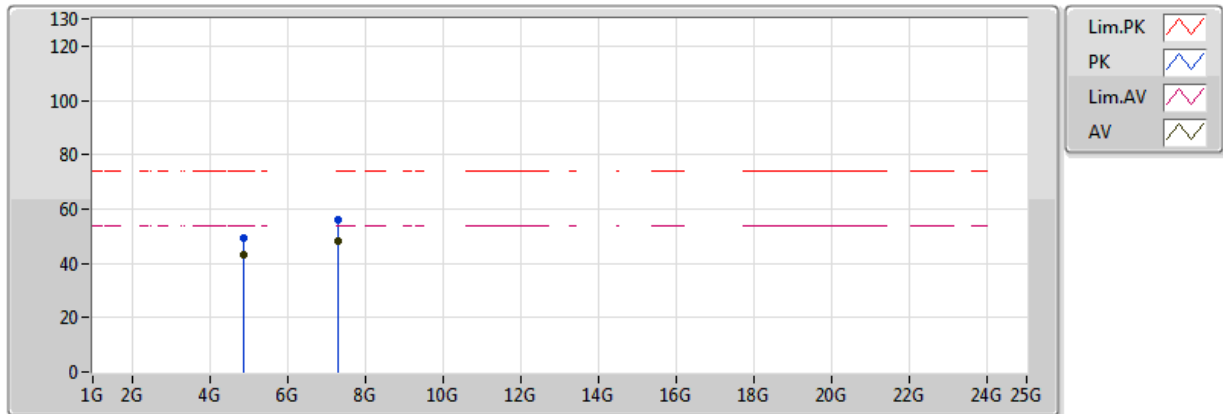
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3894G      | 57.06             | 74.00             | -16.94         | 33.17          | 3           | Horizontal | 41             | 2.30          | -        |
| AV   | 2.3894G      | 45.35             | 54.00             | -8.65          | 33.17          | 3           | Horizontal | 41             | 2.30          | -        |
| PK   | 2.4362G      | 112.37            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 41             | 2.30          | -        |
| AV   | 2.4362G      | 108.68            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 41             | 2.30          | -        |
| PK   | 2.4878G      | 57.81             | 74.00             | -16.19         | 33.19          | 3           | Horizontal | 41             | 2.30          | -        |
| AV   | 2.489G       | 45.52             | 54.00             | -8.48          | 33.19          | 3           | Horizontal | 41             | 2.30          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2437MHz\_TX

02/04/2018



20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

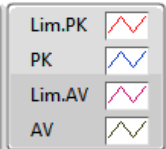
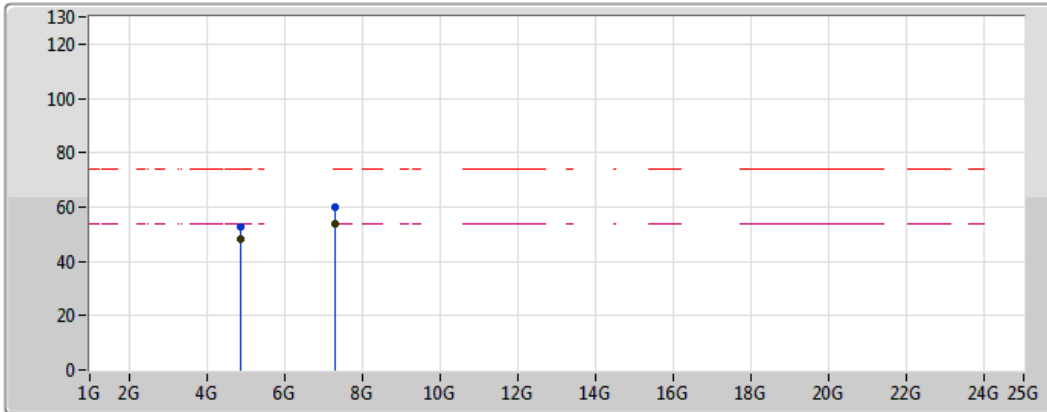
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.87396G     | 49.26             | 74.00             | -24.74         | 6.08           | 3           | Vertical  | 110            | 2.34          | -        |
| AV   | 4.874G       | 43.01             | 54.00             | -10.99         | 6.08           | 3           | Vertical  | 110            | 2.34          | -        |
| PK   | 7.31284G     | 55.97             | 74.00             | -18.03         | 10.97          | 3           | Vertical  | 320            | 1.50          | -        |
| AV   | 7.31172G     | 47.92             | 54.00             | -6.08          | 10.97          | 3           | Vertical  | 320            | 1.50          | -        |



## 802.11b\_Nss1,(1Mbps)\_2TX

## 2437MHz\_TX

02/04/2018



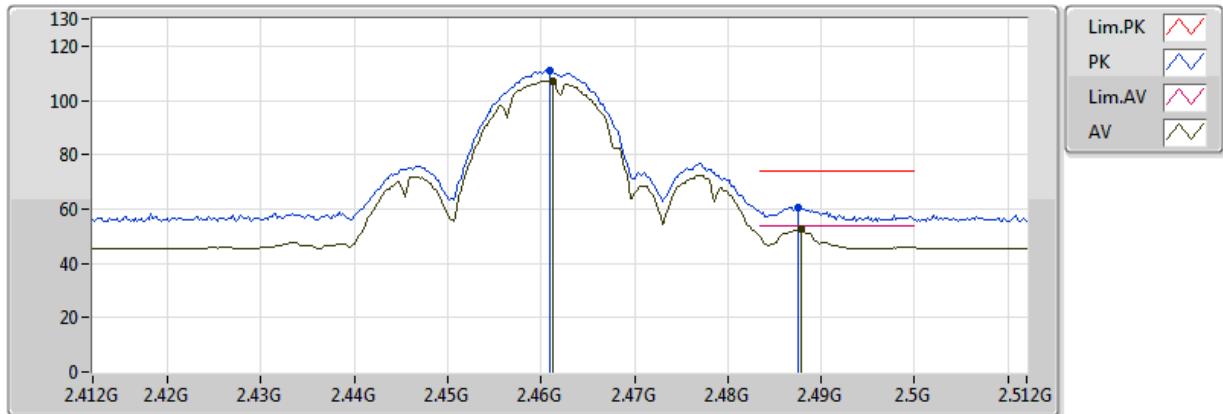
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.874G       | 52.41             | 74.00             | -21.59         | 6.08           | 3           | Horizontal | 357            | 1.50          | -        |
| AV   | 4.87396G     | 48.05             | 54.00             | -5.95          | 6.08           | 3           | Horizontal | 357            | 1.50          | -        |
| PK   | 7.31192G     | 59.95             | 74.00             | -14.05         | 10.97          | 3           | Horizontal | 293            | 2.39          | -        |
| AV   | 7.3102G      | 53.56             | 54.00             | -0.44          | 10.97          | 3           | Horizontal | 293            | 2.39          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2462MHz\_TX

02/04/2018



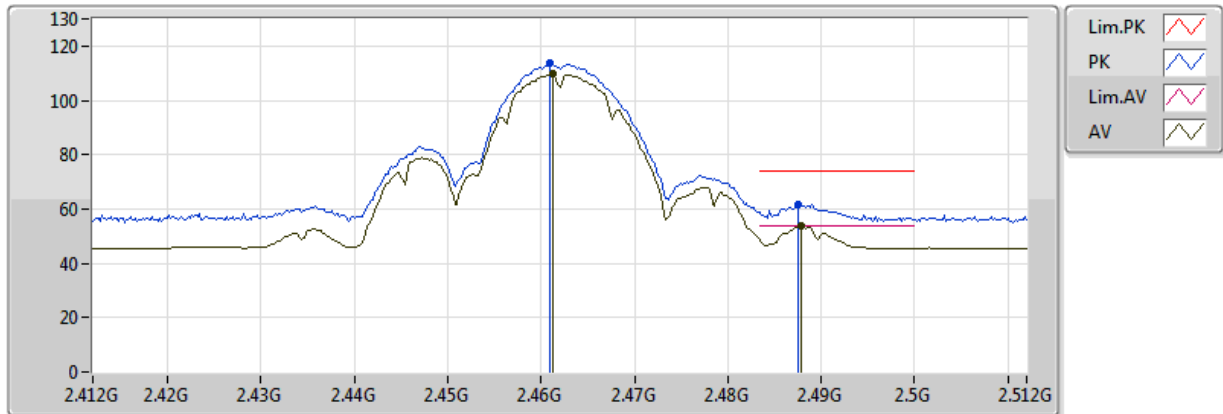
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.461G       | 111.00            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 126            | 2.71          | -        |
| AV   | 2.4612G      | 107.21            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 126            | 2.71          | -        |
| PK   | 2.4876G      | 60.78             | 74.00             | -13.22         | 33.19          | 3           | Vertical  | 126            | 2.71          | -        |
| AV   | 2.4878G      | 52.69             | 54.00             | -1.31          | 33.19          | 3           | Vertical  | 126            | 2.71          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2462MHz\_TX

02/04/2018



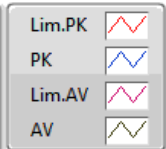
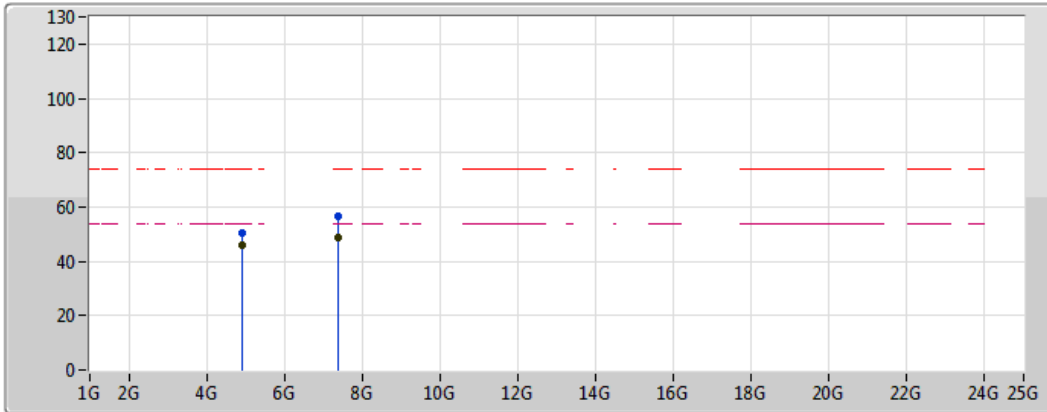
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.461G       | 113.48            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 202            | 2.53          | -        |
| AV   | 2.4612G      | 109.71            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 202            | 2.53          | -        |
| PK   | 2.4876G      | 61.83             | 74.00             | -12.17         | 33.19          | 3           | Horizontal | 202            | 2.53          | -        |
| AV   | 2.4878G      | 53.98             | 54.00             | -0.02          | 33.19          | 3           | Horizontal | 202            | 2.53          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2462MHz\_TX

02/04/2018



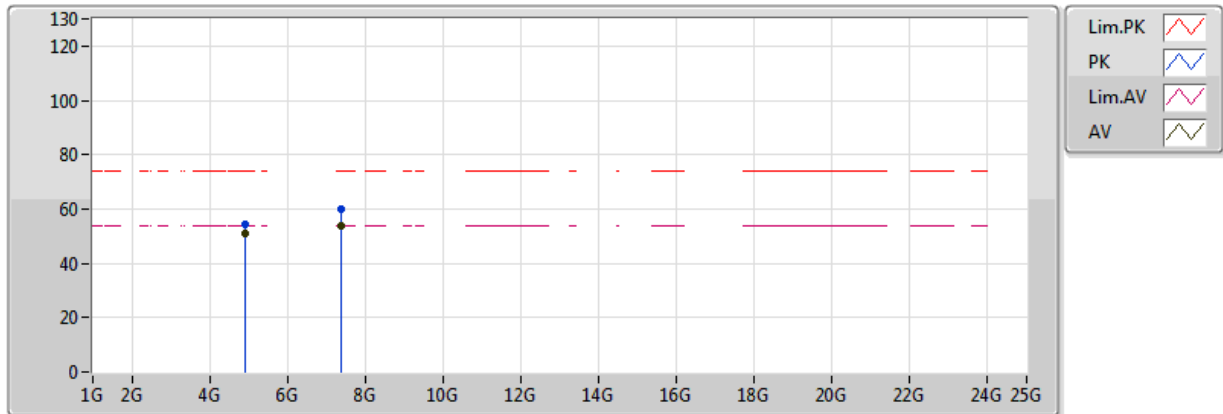
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.92396G     | 50.69             | 74.00             | -23.31         | 6.19           | 3           | Vertical  | 197            | 1.12          | -        |
| AV   | 4.92396G     | 46.10             | 54.00             | -7.90          | 6.19           | 3           | Vertical  | 197            | 1.12          | -        |
| PK   | 7.38676G     | 56.54             | 74.00             | -17.46         | 10.99          | 3           | Vertical  | 207            | 2.97          | -        |
| AV   | 7.38668G     | 48.71             | 54.00             | -5.29          | 10.99          | 3           | Vertical  | 207            | 2.97          | -        |

## 802.11b\_Nss1,(1Mbps)\_2TX

## 2462MHz\_TX

02/04/2018



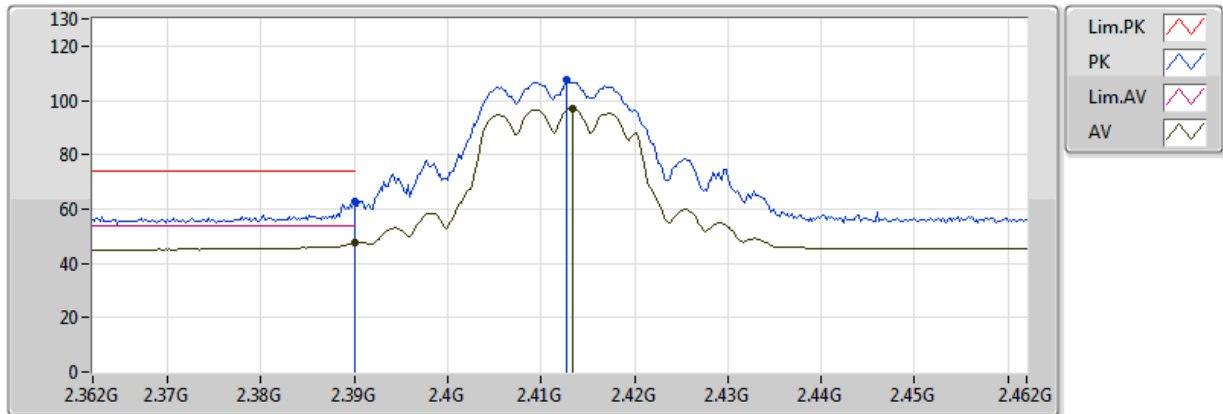
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.924G       | 54.32             | 74.00             | -19.68         | 6.19           | 3           | Horizontal | 359            | 2.79          | -        |
| AV   | 4.92396G     | 50.77             | 54.00             | -3.23          | 6.19           | 3           | Horizontal | 359            | 2.79          | -        |
| PK   | 7.38508G     | 59.91             | 74.00             | -14.09         | 10.99          | 3           | Horizontal | 287            | 2.44          | -        |
| AV   | 7.38524G     | 53.97             | 54.00             | -0.03          | 10.99          | 3           | Horizontal | 287            | 2.44          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2412MHz\_TX

03/04/2018



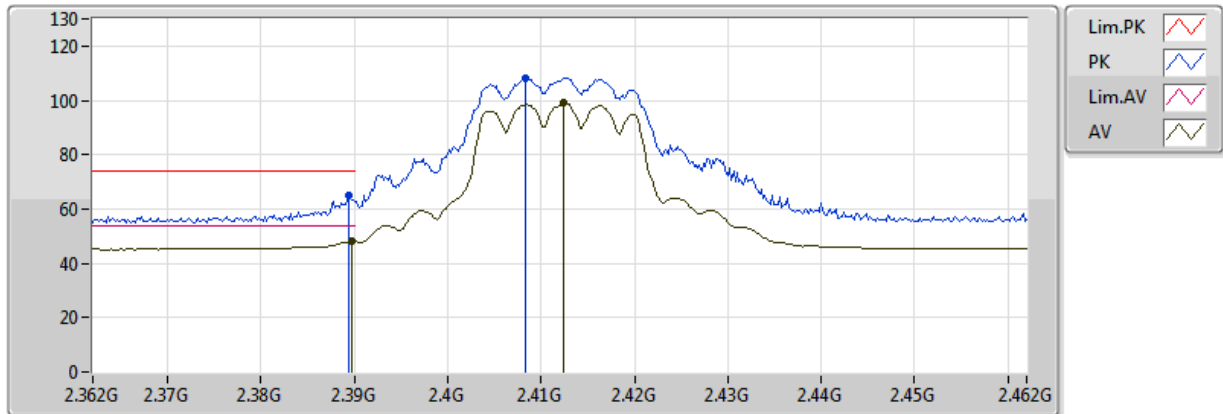
20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.389998G    | 62.52             | 74.00             | -11.48         | 33.17          | 3           | Vertical  | 126            | 2.58          | -        |
| AV   | 2.389998G    | 47.61             | 54.00             | -6.39          | 33.17          | 3           | Vertical  | 126            | 2.58          | -        |
| PK   | 2.4128G      | 107.69            | Inf               | -Inf           | 33.17          | 3           | Vertical  | 126            | 2.58          | -        |
| AV   | 2.4134G      | 96.97             | Inf               | -Inf           | 33.17          | 3           | Vertical  | 126            | 2.58          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2412MHz\_TX

03/04/2018



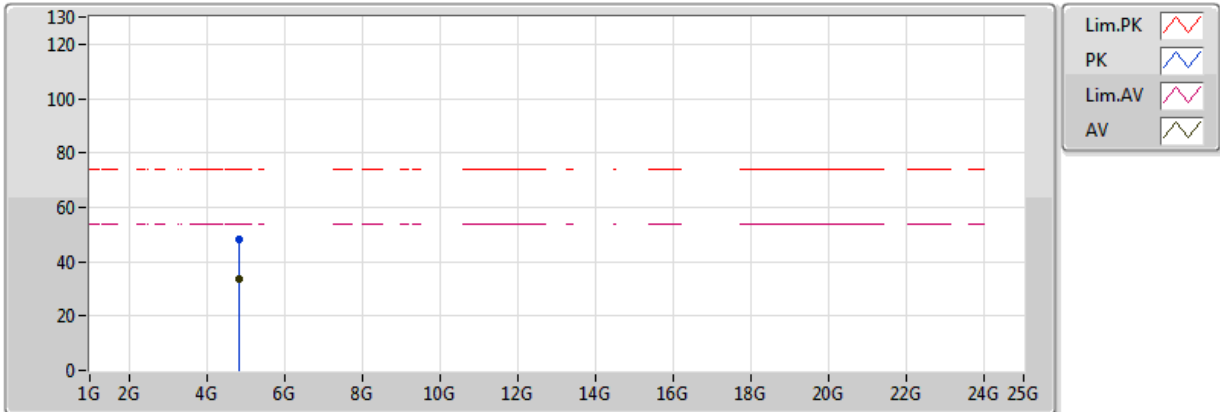
20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3894G      | 64.90             | 74.00             | -9.10          | 33.17          | 3           | Horizontal | 209            | 2.41          | -        |
| AV   | 2.3898G      | 48.06             | 54.00             | -5.94          | 33.17          | 3           | Horizontal | 209            | 2.41          | -        |
| PK   | 2.4084G      | 108.29            | Inf               | -Inf           | 33.17          | 3           | Horizontal | 209            | 2.41          | -        |
| AV   | 2.4124G      | 99.03             | Inf               | -Inf           | 33.17          | 3           | Horizontal | 209            | 2.41          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2412MHz\_TX

03/04/2018



20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

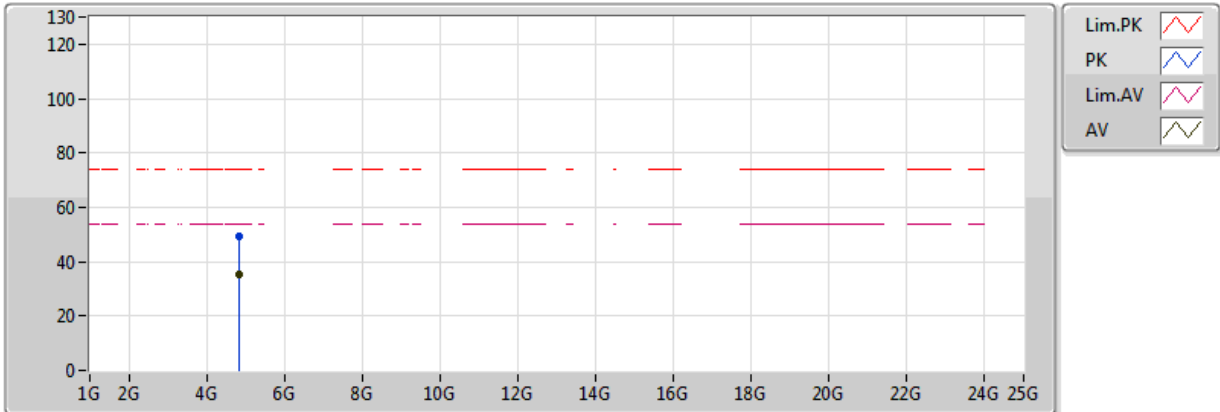
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.82412G     | 48.33             | 74.00             | -25.67         | 5.97           | 3           | Vertical  | 113            | 2.97          | -        |
| AV   | 4.82372G     | 33.67             | 54.00             | -20.33         | 5.97           | 3           | Vertical  | 113            | 2.97          | -        |



## 802.11g\_Nss1,(6Mbps)\_2TX

## 2412MHz\_TX

03/04/2018



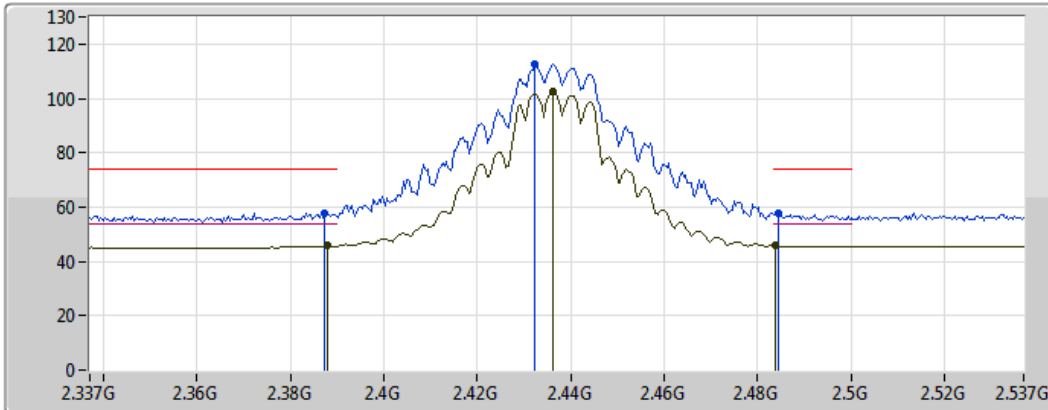
20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.82676G     | 49.33             | 74.00             | -24.67         | 5.98           | 3           | Horizontal | 357            | 1.48          | -        |
| AV   | 4.82324G     | 35.13             | 54.00             | -18.87         | 5.97           | 3           | Horizontal | 357            | 1.48          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2437MHz\_TX

03/04/2018



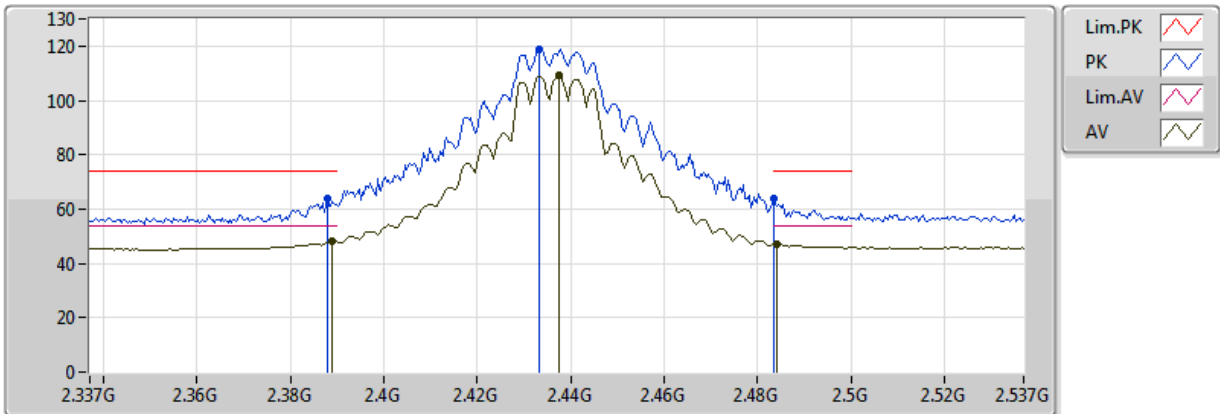
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3874G      | 57.94             | 74.00             | -16.06         | 33.16          | 3           | Vertical  | 123            | 2.27          | -        |
| AV   | 2.3878G      | 45.82             | 54.00             | -8.18          | 33.16          | 3           | Vertical  | 123            | 2.27          | -        |
| PK   | 2.4322G      | 112.73            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 123            | 2.27          | -        |
| AV   | 2.4362G      | 102.69            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 123            | 2.27          | -        |
| PK   | 2.4846G      | 57.99             | 74.00             | -16.01         | 33.18          | 3           | Vertical  | 123            | 2.27          | -        |
| AV   | 2.4838G      | 45.71             | 54.00             | -8.29          | 33.18          | 3           | Vertical  | 123            | 2.27          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2437MHz\_TX

03/04/2018



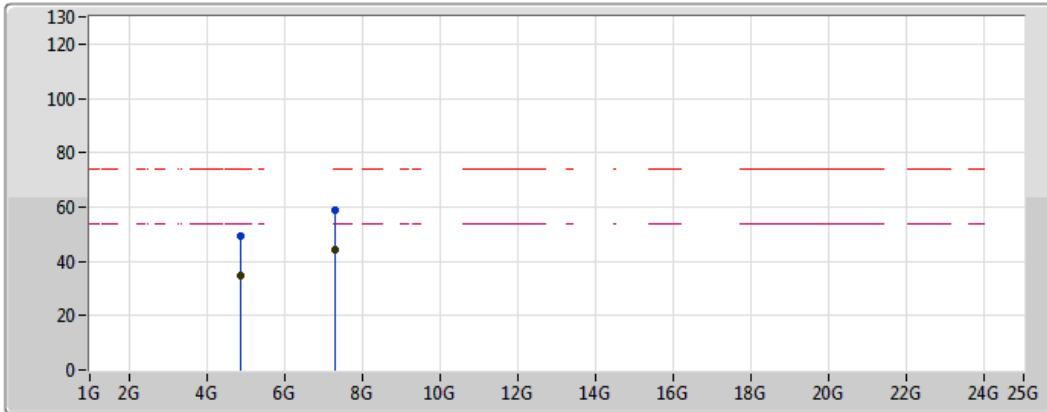
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3878G      | 63.89             | 74.00             | -10.11         | 33.16          | 3           | Horizontal | 288            | 2.37          | -        |
| AV   | 2.389G       | 48.24             | 54.00             | -5.76          | 33.17          | 3           | Horizontal | 288            | 2.37          | -        |
| PK   | 2.4334G      | 118.71            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 288            | 2.37          | -        |
| AV   | 2.4374G      | 109.13            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 288            | 2.37          | -        |
| PK   | 2.483502G    | 64.00             | 74.00             | -10.00         | 33.18          | 3           | Horizontal | 288            | 2.37          | -        |
| AV   | 2.4842G      | 47.16             | 54.00             | -6.84          | 33.18          | 3           | Horizontal | 288            | 2.37          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2437MHz\_TX

03/04/2018



Lim.PK   
 PK   
 Lim.AV   
 AV 

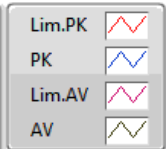
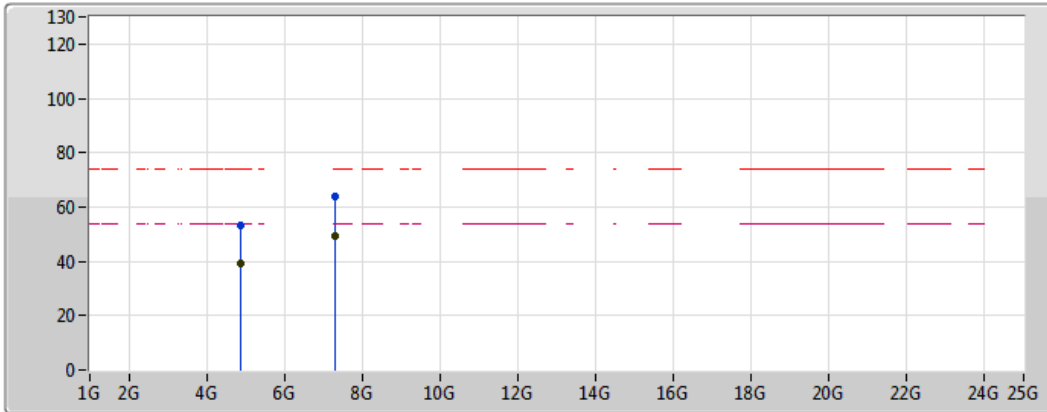
20180402  
 EUT Y\_2TX  
 Setting 29  
 04-L-2  
 FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.87364G     | 49.25             | 74.00             | -24.75         | 6.08           | 3           | Vertical  | 42             | 2.69          | -        |
| AV   | 4.8736G      | 34.94             | 54.00             | -19.06         | 6.08           | 3           | Vertical  | 42             | 2.69          | -        |
| PK   | 7.31012G     | 58.92             | 74.00             | -15.08         | 10.97          | 3           | Vertical  | 320            | 1.50          | -        |
| AV   | 7.31004G     | 44.37             | 54.00             | -9.63          | 10.97          | 3           | Vertical  | 320            | 1.50          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2437MHz\_TX

03/04/2018



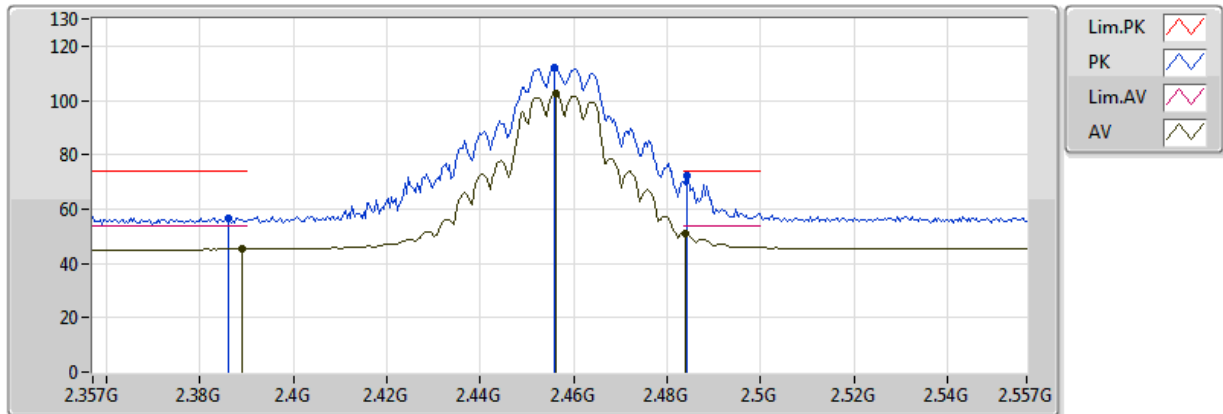
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.87616G     | 53.49             | 74.00             | -20.51         | 6.09           | 3           | Horizontal | 357            | 2.99          | -        |
| AV   | 4.87196G     | 38.96             | 54.00             | -15.04         | 6.08           | 3           | Horizontal | 357            | 2.99          | -        |
| PK   | 7.3104G      | 63.69             | 74.00             | -10.31         | 10.97          | 3           | Horizontal | 293            | 1.64          | -        |
| AV   | 7.31G        | 49.05             | 54.00             | -4.95          | 10.97          | 3           | Horizontal | 293            | 1.64          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2457MHz\_TX

03/04/2018



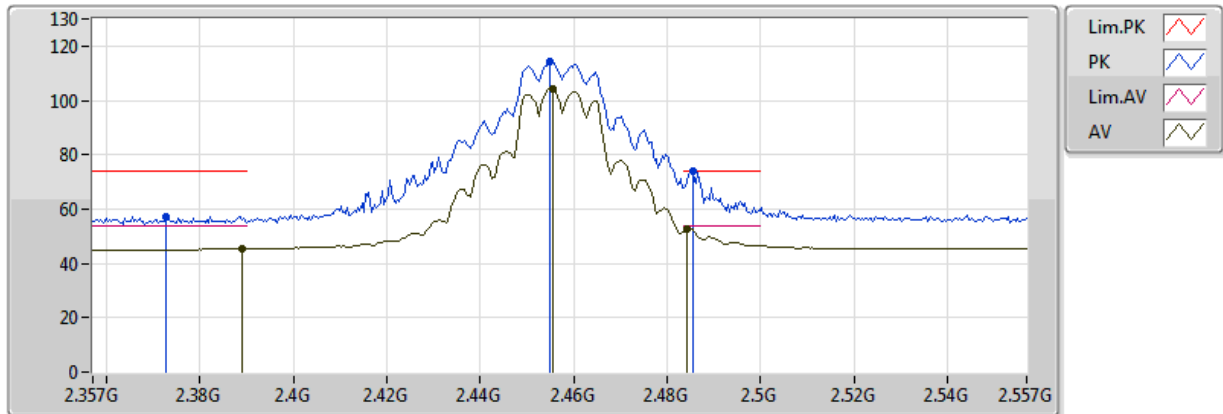
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3862G      | 56.87             | 74.00             | -17.13         | 33.16          | 3           | Vertical  | 125            | 2.71          | -        |
| AV   | 2.389G       | 45.25             | 54.00             | -8.75          | 33.17          | 3           | Vertical  | 125            | 2.71          | -        |
| PK   | 2.4558G      | 112.21            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 125            | 2.71          | -        |
| AV   | 2.4562G      | 102.59            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 125            | 2.71          | -        |
| PK   | 2.4842G      | 72.55             | 74.00             | -1.45          | 33.18          | 3           | Vertical  | 125            | 2.71          | -        |
| AV   | 2.4838G      | 51.21             | 54.00             | -2.79          | 33.18          | 3           | Vertical  | 125            | 2.71          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2457MHz\_TX

03/04/2018



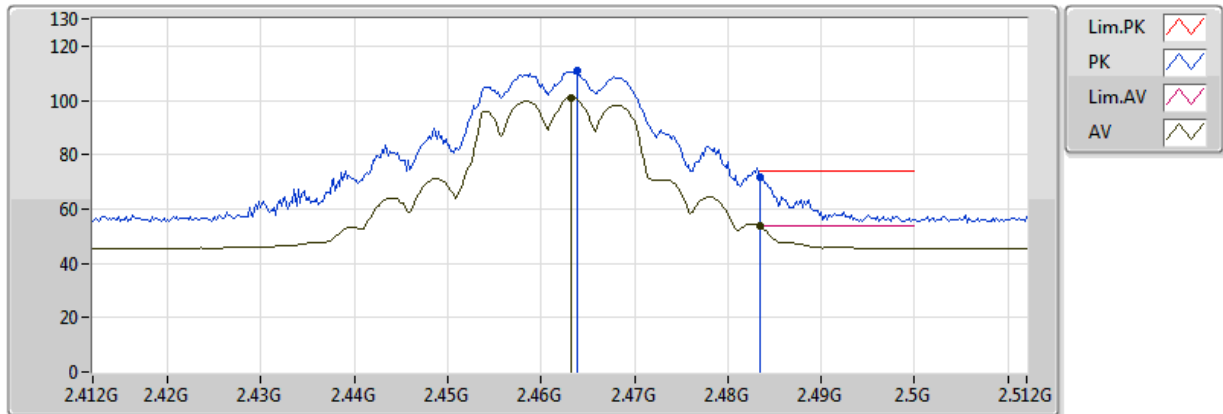
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3726G      | 57.08             | 74.00             | -16.92         | 33.15          | 3           | Horizontal | 40             | 2.22          | -        |
| AV   | 2.389G       | 45.34             | 54.00             | -8.66          | 33.16          | 3           | Horizontal | 40             | 2.22          | -        |
| PK   | 2.455G       | 114.32            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 40             | 2.22          | -        |
| AV   | 2.4554G      | 104.18            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 40             | 2.22          | -        |
| PK   | 2.4854G      | 73.92             | 74.00             | -0.08          | 33.19          | 3           | Horizontal | 40             | 2.22          | -        |
| AV   | 2.4842G      | 52.71             | 54.00             | -1.29          | 33.19          | 3           | Horizontal | 40             | 2.22          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2462MHz\_TX

03/04/2018



20180402  
EUT Y\_2TX  
Setting 22  
04-L-2  
FSP(100142)

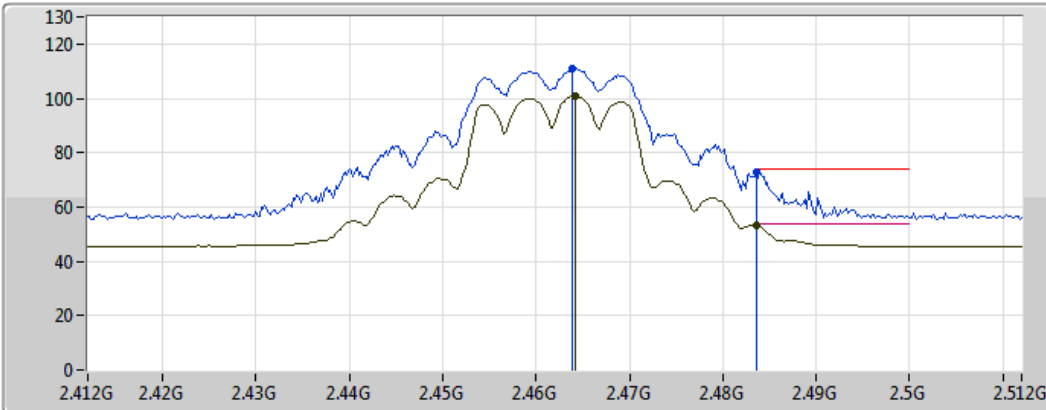
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.4638G      | 110.70            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 124            | 2.73          | -        |
| AV   | 2.4632G      | 100.77            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 124            | 2.73          | -        |
| PK   | 2.483502G    | 71.65             | 74.00             | -2.35          | 33.18          | 3           | Vertical  | 124            | 2.73          | -        |
| AV   | 2.483502G    | 53.65             | 54.00             | -0.35          | 33.18          | 3           | Vertical  | 124            | 2.73          | -        |



## 802.11g\_Nss1,(6Mbps)\_2TX

## 2462MHz\_TX

03/04/2018



Lim.PK  
PK  
Lim.AV  
AV

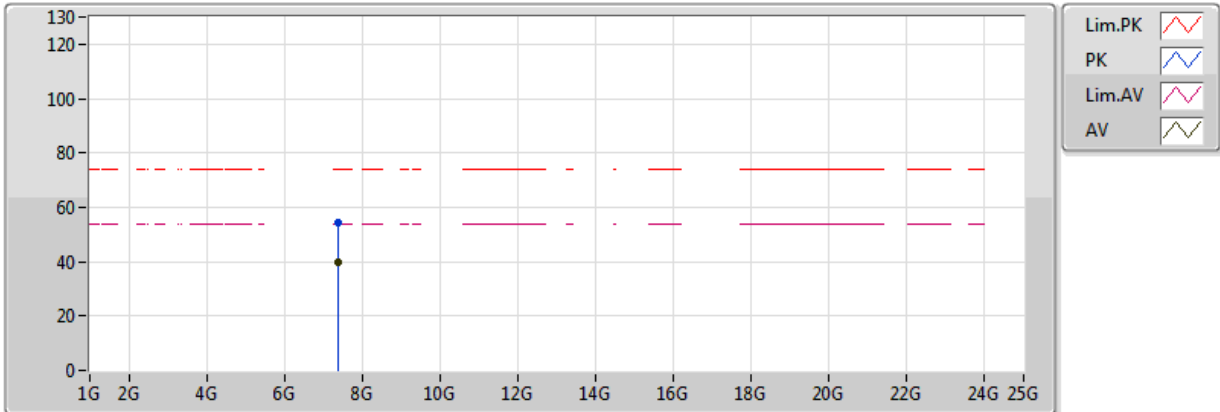
20180402  
EUT Y\_2TX  
Setting 22  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.4638G      | 110.90            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 117            | 2.25          | -        |
| AV   | 2.4642G      | 100.78            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 117            | 2.25          | -        |
| PK   | 2.4836G      | 72.77             | 74.00             | -1.23          | 33.18          | 3           | Horizontal | 117            | 2.25          | -        |
| AV   | 2.4836G      | 53.41             | 54.00             | -0.59          | 33.18          | 3           | Horizontal | 117            | 2.25          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2462MHz\_TX

03/04/2018



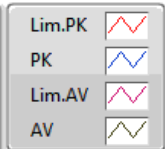
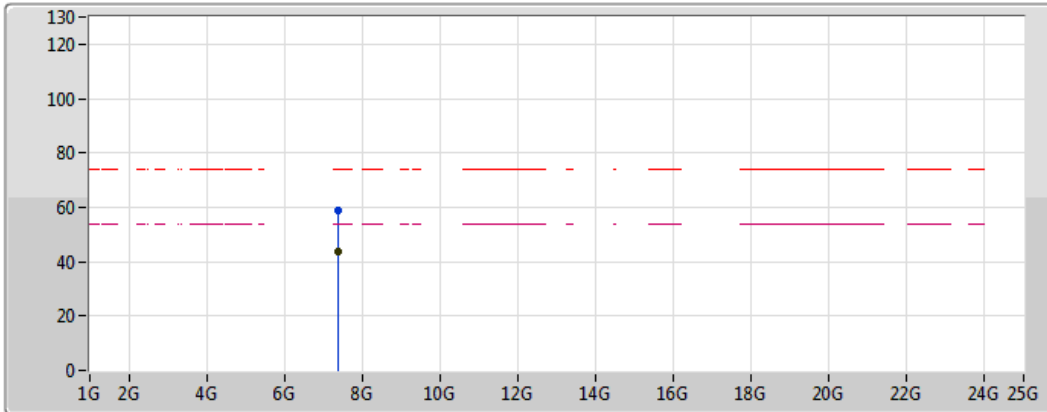
20180402  
EUT Y\_2TX  
Setting 22  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 7.38192G     | 54.34             | 74.00             | -19.66         | 10.99          | 3           | Vertical  | 317            | 1.31          | -        |
| AV   | 7.3824G      | 39.90             | 54.00             | -14.10         | 10.99          | 3           | Vertical  | 317            | 1.31          | -        |

## 802.11g\_Nss1,(6Mbps)\_2TX

## 2462MHz\_TX

03/04/2018



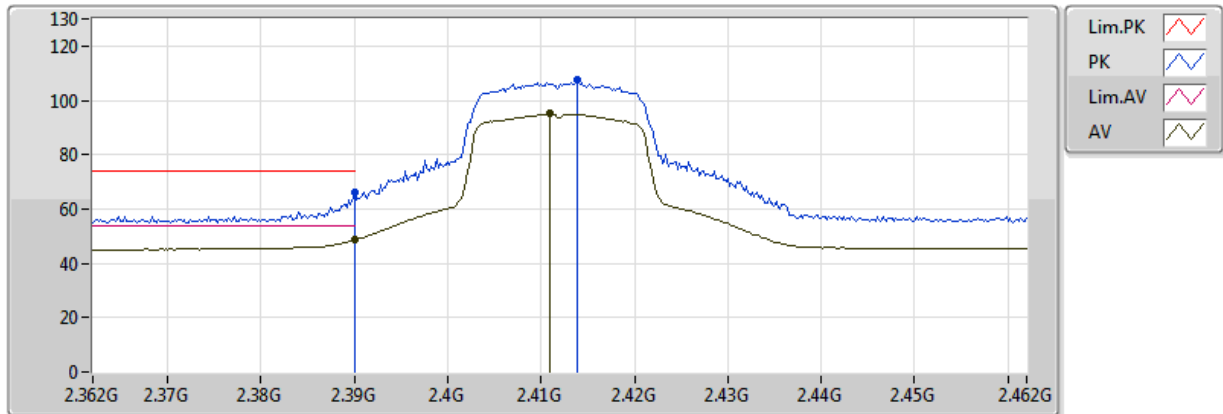
20180402  
EUT Y\_2TX  
Setting 22  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 7.38312G     | 59.00             | 74.00             | -15.00         | 10.99          | 3           | Horizontal | 296            | 1.71          | -        |
| AV   | 7.383G       | 43.54             | 54.00             | -10.46         | 10.99          | 3           | Horizontal | 296            | 1.71          | -        |

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

## 2412MHz\_TX

03/04/2018



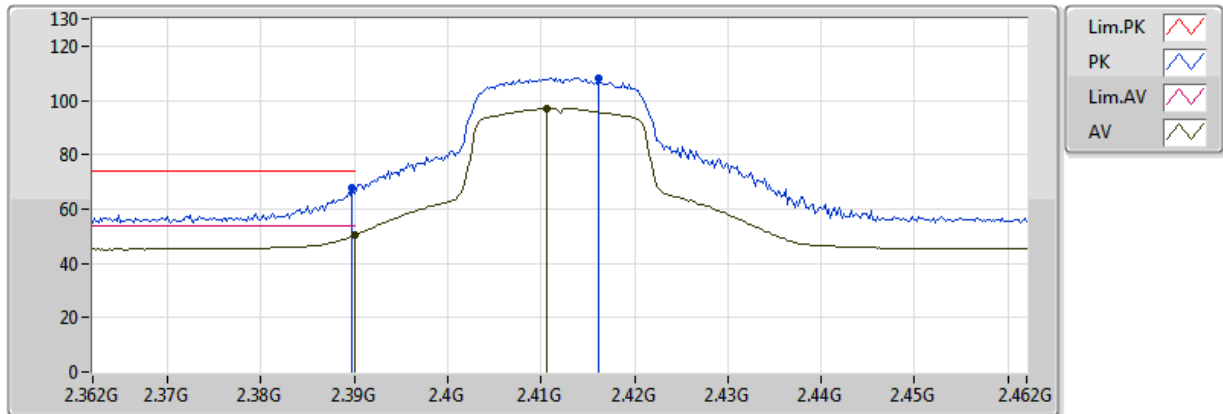
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.389998G    | 65.97             | 74.00             | -8.03          | 33.17          | 3           | Vertical  | 127            | 2.58          | -        |
| AV   | 2.389998G    | 48.53             | 54.00             | -5.47          | 33.17          | 3           | Vertical  | 127            | 2.58          | -        |
| PK   | 2.4138G      | 107.51            | Inf               | -Inf           | 33.17          | 3           | Vertical  | 127            | 2.58          | -        |
| AV   | 2.411G       | 95.02             | Inf               | -Inf           | 33.17          | 3           | Vertical  | 127            | 2.58          | -        |

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

## 2412MHz\_TX

03/04/2018



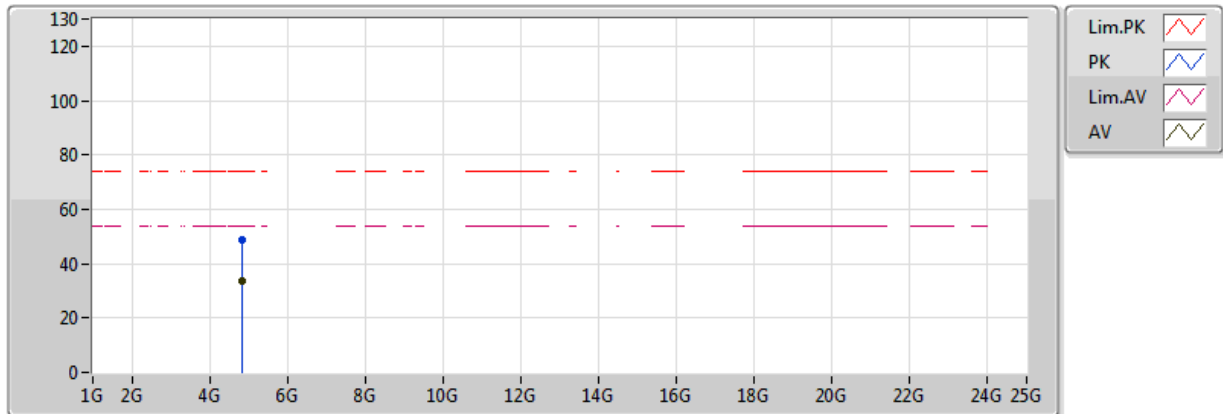
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3898G      | 67.73             | 74.00             | -6.27          | 33.17          | 3           | Horizontal | 208            | 2.41          | -        |
| AV   | 2.389998G    | 50.19             | 54.00             | -3.81          | 33.17          | 3           | Horizontal | 208            | 2.41          | -        |
| PK   | 2.4162G      | 108.41            | Inf               | -Inf           | 33.17          | 3           | Horizontal | 208            | 2.41          | -        |
| AV   | 2.4106G      | 97.13             | Inf               | -Inf           | 33.17          | 3           | Horizontal | 208            | 2.41          | -        |

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

## 2412MHz\_TX

03/04/2018



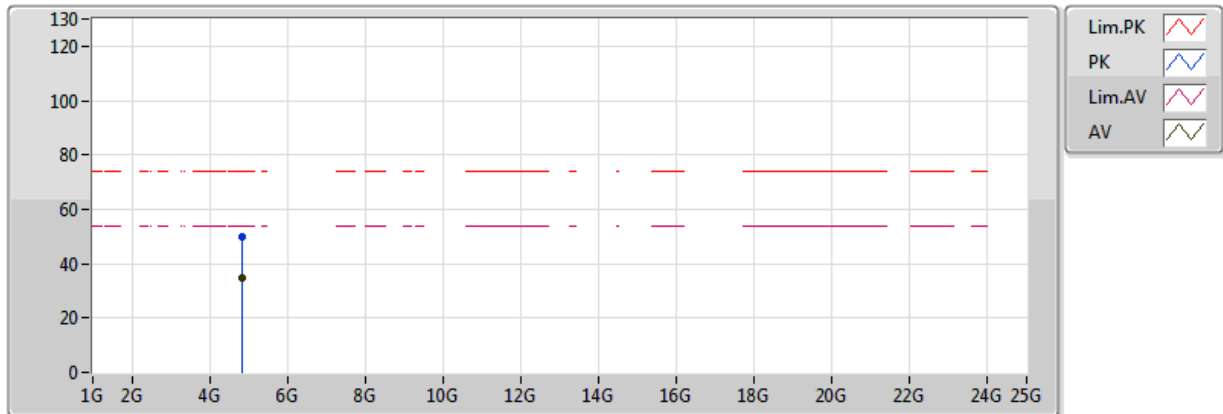
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.82464G     | 48.72             | 74.00             | -25.28         | 5.97           | 3           | Vertical  | 106            | 2.05          | -        |
| AV   | 4.82388G     | 33.63             | 54.00             | -20.37         | 5.97           | 3           | Vertical  | 106            | 2.05          | -        |

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

## 2412MHz\_TX

03/04/2018



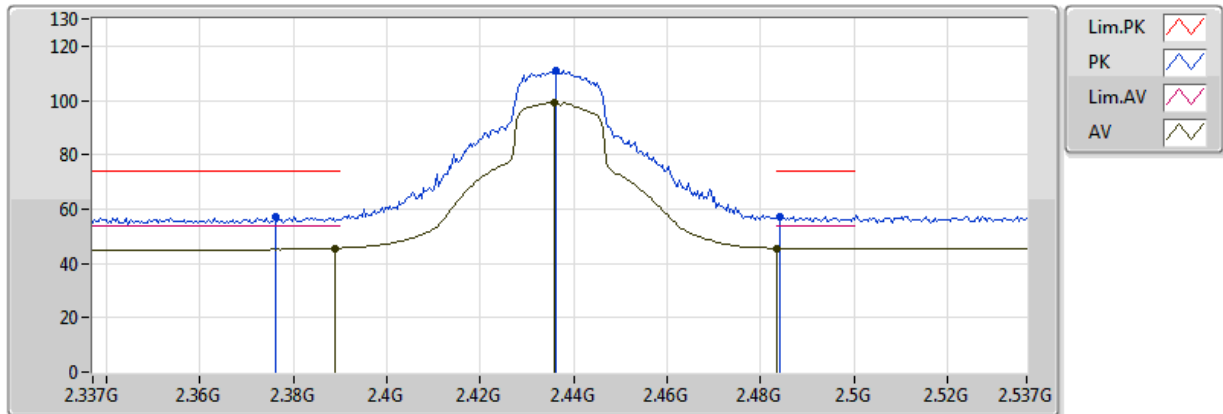
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.82236G     | 49.65             | 74.00             | -24.35         | 5.97           | 3           | Horizontal | 355            | 1.50          | -        |
| AV   | 4.82412G     | 34.81             | 54.00             | -19.19         | 5.97           | 3           | Horizontal | 355            | 1.50          | -        |

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

## 2437MHz\_TX

03/04/2018



20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

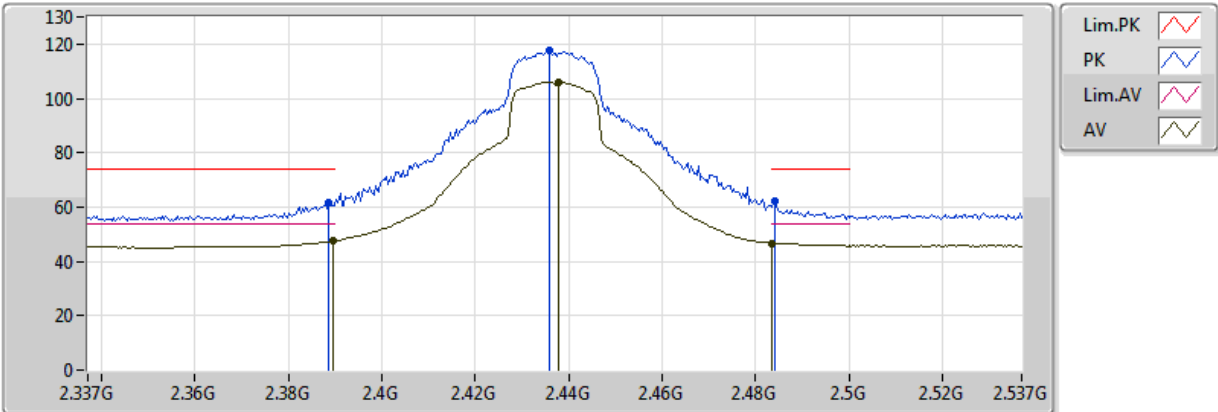
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3762G      | 57.14             | 74.00             | -16.86         | 33.16          | 3           | Vertical  | 126            | 2.27          | -        |
| AV   | 2.389G       | 45.61             | 54.00             | -8.39          | 33.17          | 3           | Vertical  | 126            | 2.27          | -        |
| PK   | 2.4362G      | 110.92            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 126            | 2.27          | -        |
| AV   | 2.4358G      | 99.44             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 126            | 2.27          | -        |
| PK   | 2.4842G      | 57.36             | 74.00             | -16.64         | 33.18          | 3           | Vertical  | 126            | 2.27          | -        |
| AV   | 2.483502G    | 45.54             | 54.00             | -8.46          | 33.18          | 3           | Vertical  | 126            | 2.27          | -        |



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

## 2437MHz\_TX

03/04/2018



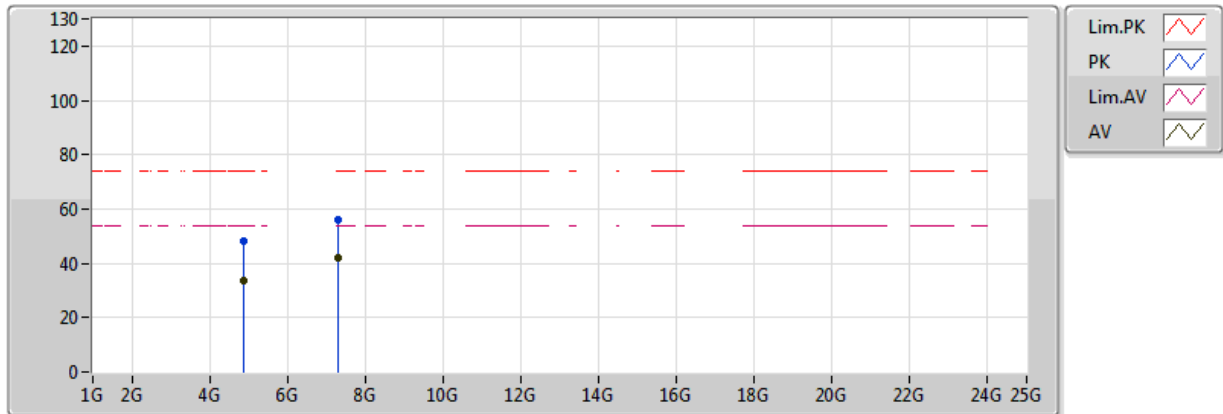
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3886G      | 61.36             | 74.00             | -12.64         | 33.17          | 3           | Horizontal | 287            | 2.35          | -        |
| AV   | 2.3894G      | 47.49             | 54.00             | -6.51          | 33.17          | 3           | Horizontal | 287            | 2.35          | -        |
| PK   | 2.4358G      | 117.74            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 287            | 2.35          | -        |
| AV   | 2.4378G      | 106.13            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 287            | 2.35          | -        |
| PK   | 2.4842G      | 61.92             | 74.00             | -12.08         | 33.18          | 3           | Horizontal | 287            | 2.35          | -        |
| AV   | 2.483502G    | 46.76             | 54.00             | -7.24          | 33.18          | 3           | Horizontal | 287            | 2.35          | -        |

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

## 2437MHz\_TX

03/04/2018



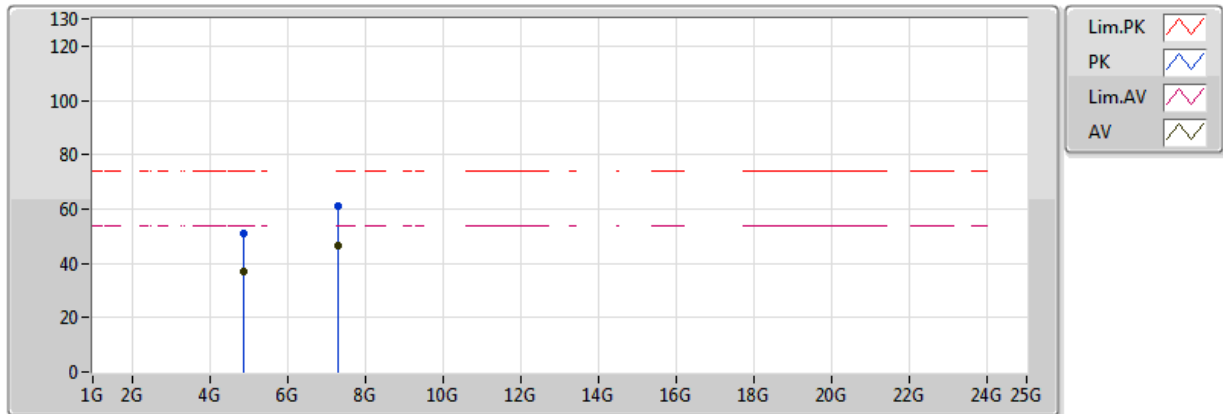
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.87324G     | 47.98             | 74.00             | -26.02         | 6.08           | 3           | Vertical  | 33             | 1.01          | -        |
| AV   | 4.87376G     | 33.71             | 54.00             | -20.29         | 6.08           | 3           | Vertical  | 33             | 1.01          | -        |
| PK   | 7.31176G     | 55.85             | 74.00             | -18.15         | 10.97          | 3           | Vertical  | 320            | 1.50          | -        |
| AV   | 7.31064G     | 41.91             | 54.00             | -12.09         | 10.97          | 3           | Vertical  | 320            | 1.50          | -        |

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

## 2437MHz\_TX

03/04/2018



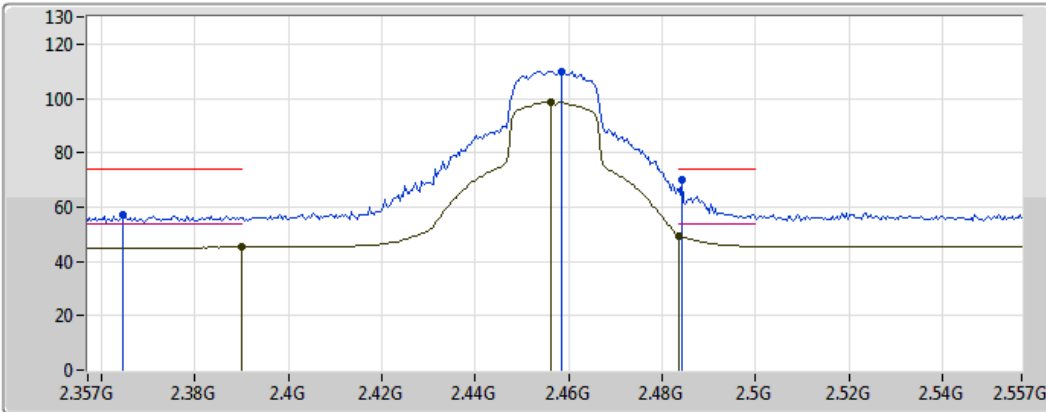
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.8762G      | 50.91             | 74.00             | -23.09         | 6.09           | 3           | Horizontal | 356            | 1.47          | -        |
| AV   | 4.87408G     | 37.07             | 54.00             | -16.93         | 6.08           | 3           | Horizontal | 356            | 1.47          | -        |
| PK   | 7.31232G     | 60.95             | 74.00             | -13.05         | 10.97          | 3           | Horizontal | 294            | 1.64          | -        |
| AV   | 7.3102G      | 46.62             | 54.00             | -7.38          | 10.97          | 3           | Horizontal | 294            | 1.64          | -        |

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

## 2457MHz\_TX

03/04/2018



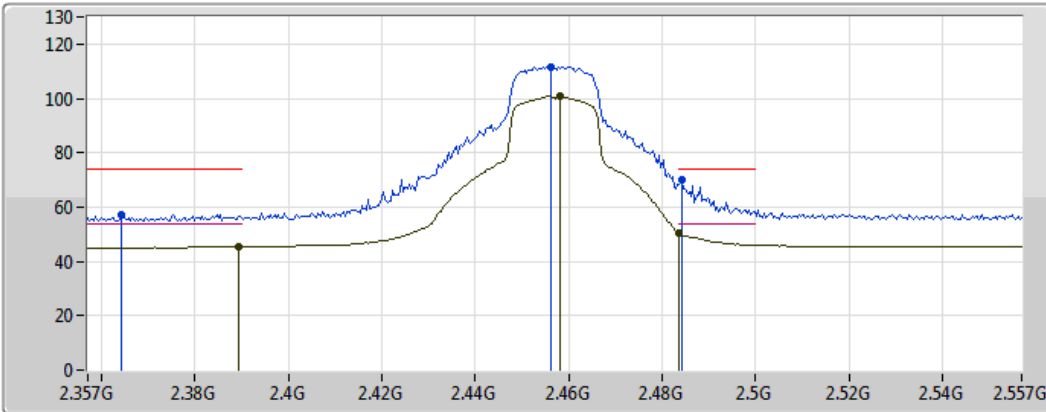
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3646G      | 56.89             | 74.00             | -17.11         | 33.15          | 3           | Vertical  | 127            | 2.76          | -        |
| AV   | 2.3898G      | 45.23             | 54.00             | -8.77          | 33.17          | 3           | Vertical  | 127            | 2.76          | -        |
| PK   | 2.4586G      | 109.99            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 127            | 2.76          | -        |
| AV   | 2.4562G      | 98.88             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 127            | 2.76          | -        |
| PK   | 2.4842G      | 69.88             | 74.00             | -4.12          | 33.18          | 3           | Vertical  | 127            | 2.76          | -        |
| AV   | 2.483502G    | 49.54             | 54.00             | -4.46          | 33.18          | 3           | Vertical  | 127            | 2.76          | -        |

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

## 2457MHz\_TX

03/04/2018



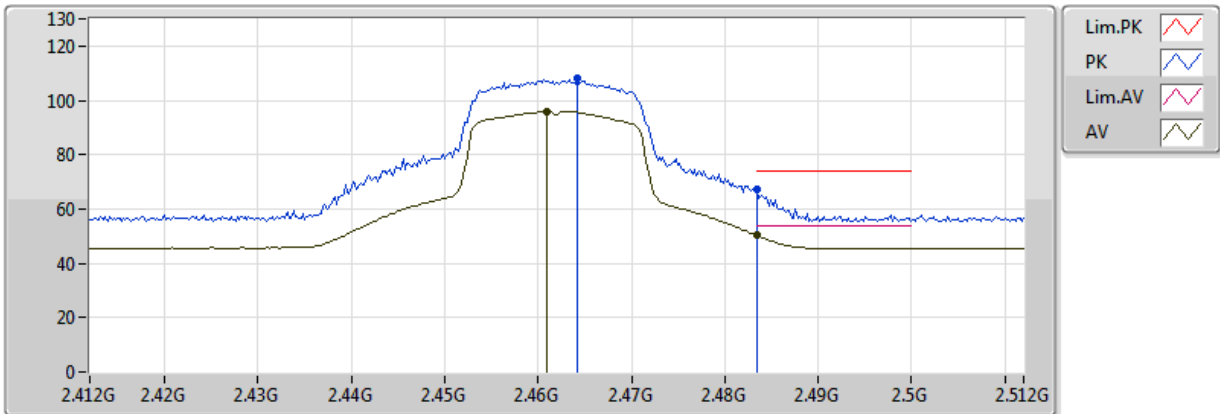
20180402  
EUT Y\_2TX  
Setting 29  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3642G      | 57.05             | 74.00             | -16.95         | 33.14          | 3           | Horizontal | 34             | 2.11          | -        |
| AV   | 2.3894G      | 45.38             | 54.00             | -8.62          | 33.17          | 3           | Horizontal | 34             | 2.11          | -        |
| PK   | 2.4562G      | 111.76            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 34             | 2.11          | -        |
| AV   | 2.4582G      | 100.76            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 34             | 2.11          | -        |
| PK   | 2.4842G      | 70.20             | 74.00             | -3.80          | 33.18          | 3           | Horizontal | 34             | 2.11          | -        |
| AV   | 2.483502G    | 50.34             | 54.00             | -3.66          | 33.18          | 3           | Horizontal | 34             | 2.11          | -        |

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

## 2462MHz\_TX

03/04/2018



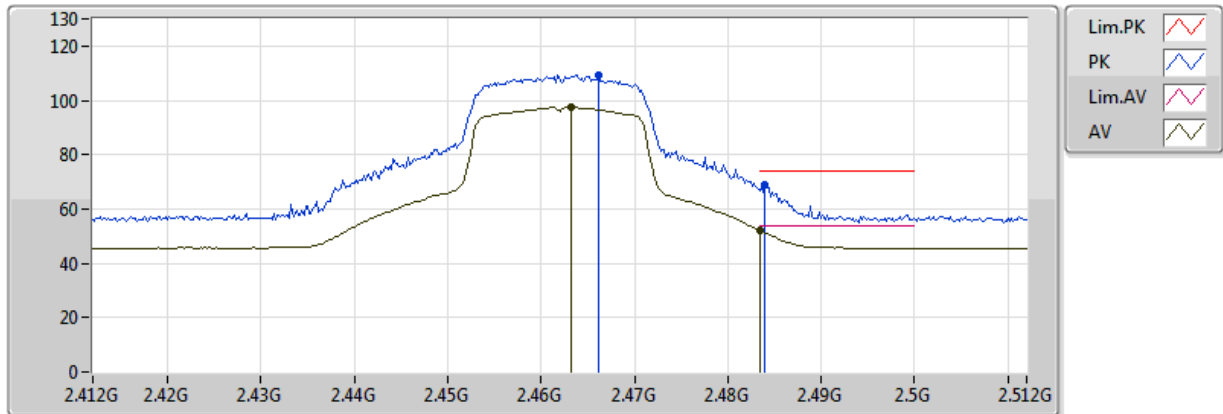
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.4642G      | 108.10            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 127            | 2.60          | -        |
| AV   | 2.461G       | 96.07             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 127            | 2.60          | -        |
| PK   | 2.483502G    | 66.97             | 74.00             | -7.03          | 33.18          | 3           | Vertical  | 127            | 2.60          | -        |
| AV   | 2.483502G    | 50.23             | 54.00             | -3.77          | 33.18          | 3           | Vertical  | 127            | 2.60          | -        |

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

## 2462MHz\_TX

03/04/2018



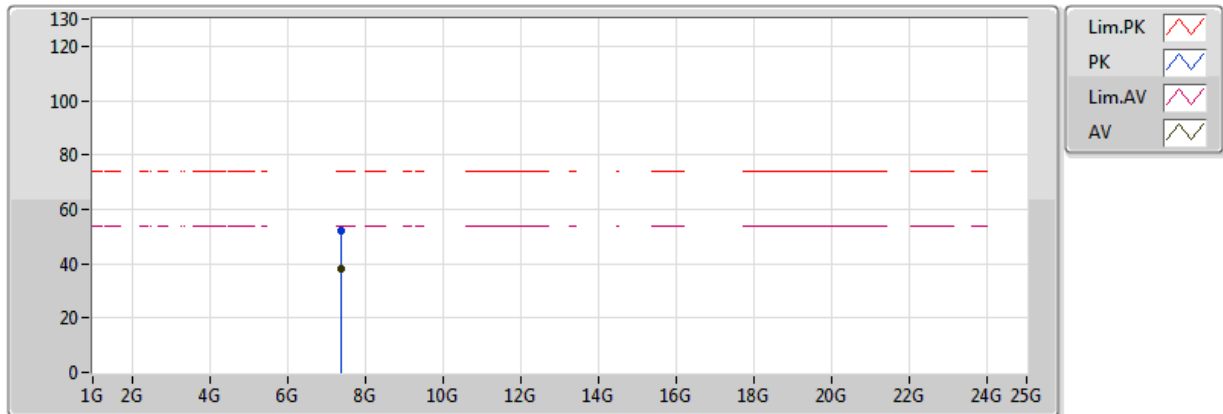
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          |
| PK   | 2.4662G   | 109.30   | Inf      | -Inf   | 33.18  | 3    | Horizontal | 117     | 2.28   | -        |
| AV   | 2.4632G   | 97.55    | Inf      | -Inf   | 33.18  | 3    | Horizontal | 117     | 2.28   | -        |
| PK   | 2.484G    | 68.92    | 74.00    | -5.08  | 33.18  | 3    | Horizontal | 117     | 2.28   | -        |
| AV   | 2.483502G | 52.12    | 54.00    | -1.88  | 33.18  | 3    | Horizontal | 117     | 2.28   | -        |

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

## 2462MHz\_TX

03/04/2018



20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

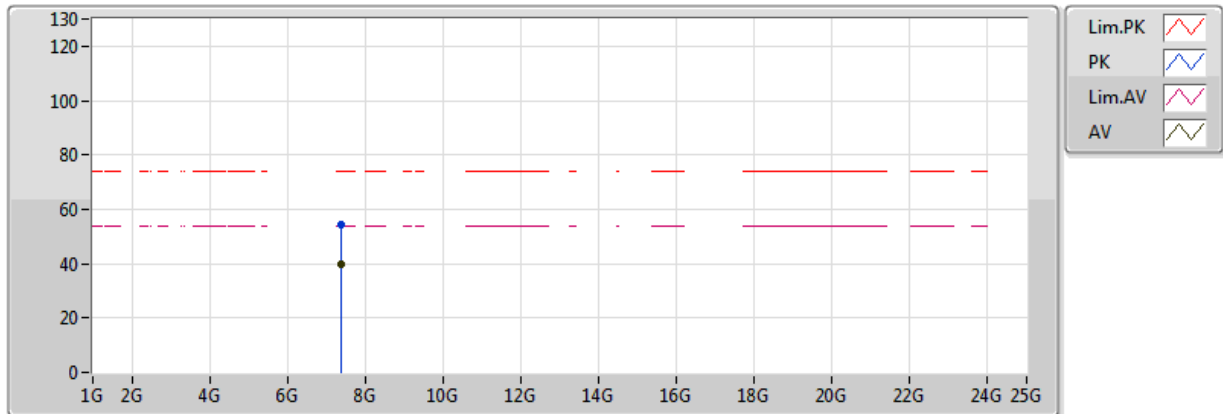
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 7.38308G     | 52.10             | 74.00             | -21.90         | 10.99          | 3           | Vertical  | 359            | 1.49          | -        |
| AV   | 7.3838G      | 38.27             | 54.00             | -15.73         | 10.99          | 3           | Vertical  | 359            | 1.49          | -        |



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

## 2462MHz\_TX

03/04/2018



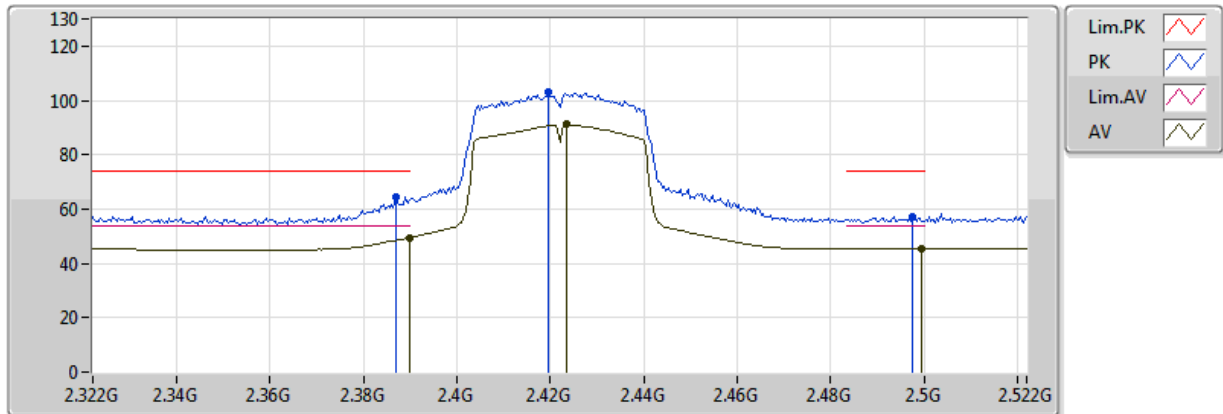
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 7.37856G     | 54.43             | 74.00             | -19.57         | 10.99          | 3           | Horizontal | 285            | 2.43          | -        |
| AV   | 7.382G       | 40.03             | 54.00             | -13.97         | 10.99          | 3           | Horizontal | 285            | 2.43          | -        |

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

## 2422MHz\_TX

02/04/2018



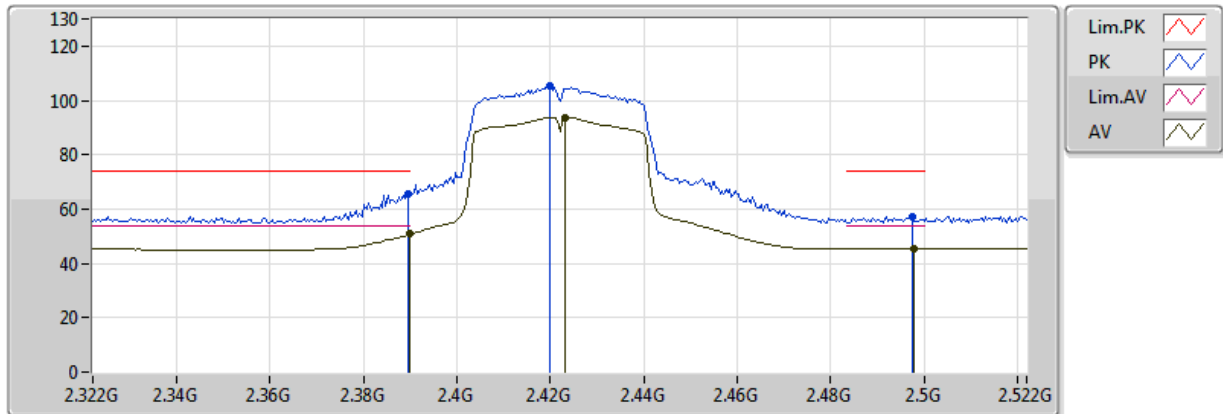
20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3868G      | 64.67             | 74.00             | -9.33          | 33.16          | 3           | Vertical  | 119            | 2.30          | -        |
| AV   | 2.389998G    | 49.35             | 54.00             | -4.65          | 33.17          | 3           | Vertical  | 119            | 2.30          | -        |
| PK   | 2.4196G      | 103.25            | Inf               | -Inf           | 33.17          | 3           | Vertical  | 119            | 2.30          | -        |
| AV   | 2.4236G      | 91.12             | Inf               | -Inf           | 33.17          | 3           | Vertical  | 119            | 2.30          | -        |
| PK   | 2.4976G      | 57.38             | 74.00             | -16.62         | 33.19          | 3           | Vertical  | 119            | 2.30          | -        |
| AV   | 2.4996G      | 45.34             | 54.00             | -8.66          | 33.19          | 3           | Vertical  | 119            | 2.30          | -        |

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

## 2422MHz\_TX

02/04/2018



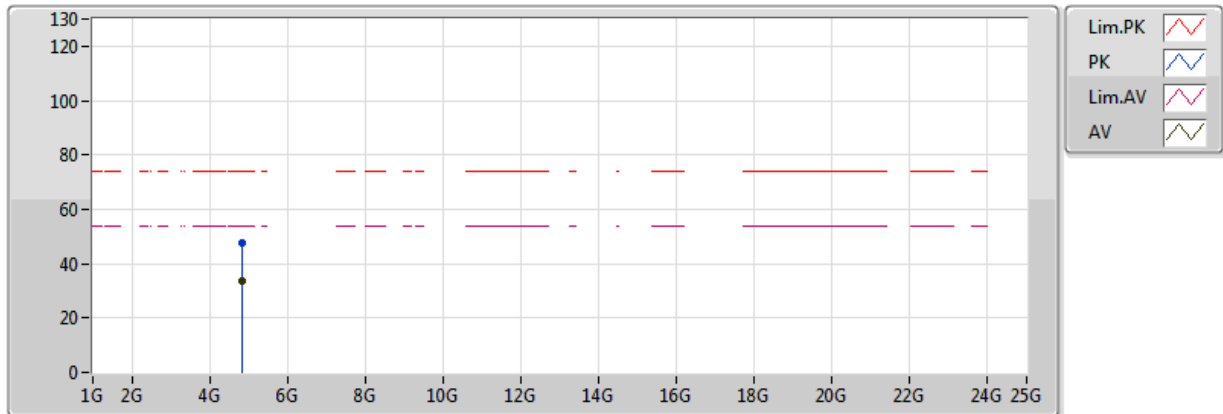
20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3896G      | 65.82             | 74.00             | -8.18          | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| AV   | 2.389998G    | 50.74             | 54.00             | -3.26          | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| PK   | 2.42G        | 105.22            | Inf               | -Inf           | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| AV   | 2.4232G      | 93.82             | Inf               | -Inf           | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| PK   | 2.4976G      | 57.08             | 74.00             | -16.92         | 33.19          | 3           | Horizontal | 211            | 2.34          | -        |
| AV   | 2.498G       | 45.33             | 54.00             | -8.67          | 33.19          | 3           | Horizontal | 211            | 2.34          | -        |

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

## 2422MHz\_TX

03/04/2018



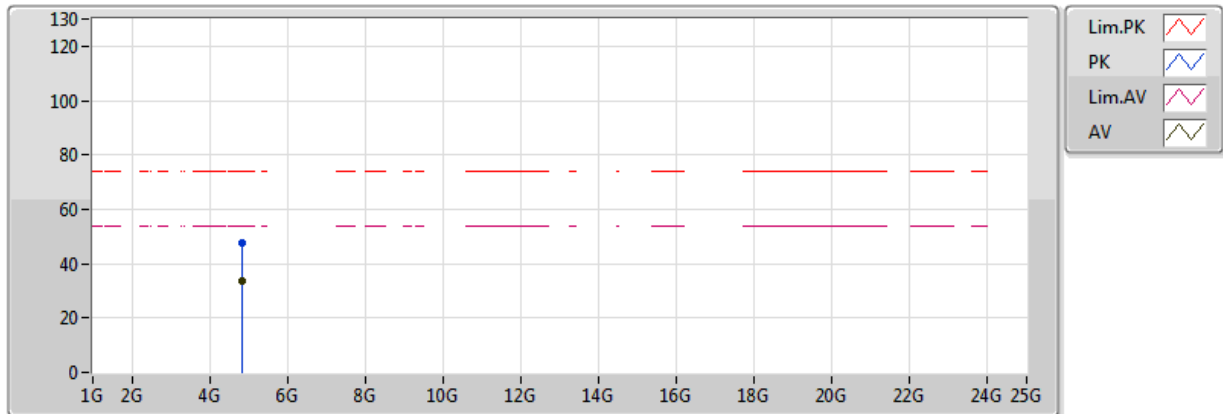
20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.85244G     | 47.76             | 74.00             | -26.24         | 6.04           | 3           | Vertical  | 242            | 1.46          | -        |
| AV   | 4.83492G     | 33.70             | 54.00             | -20.30         | 6.00           | 3           | Vertical  | 242            | 1.46          | -        |

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

## 2422MHz\_TX

03/04/2018



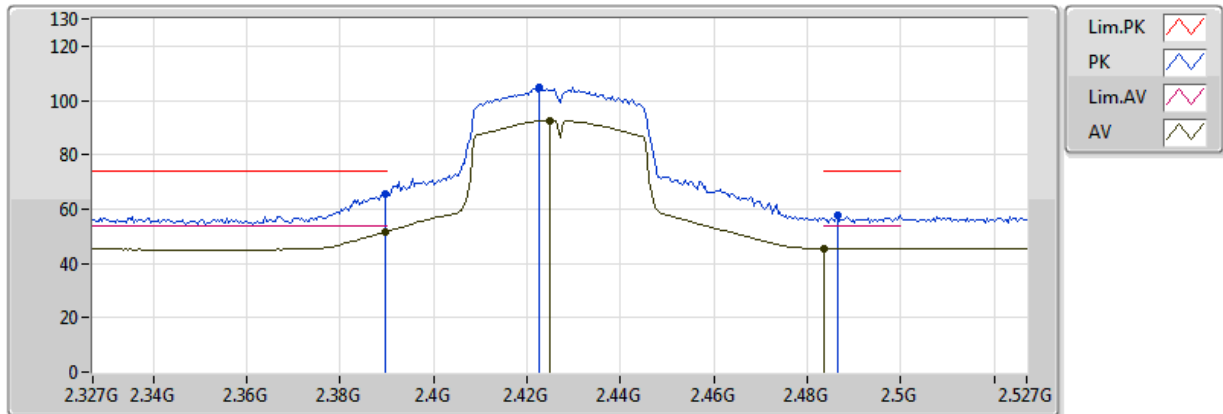
20180402  
EUT Y\_2TX  
Setting 20  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.8352G      | 47.86             | 74.00             | -26.14         | 6.00           | 3           | Horizontal | 235            | 2.15          | -        |
| AV   | 4.83496G     | 33.67             | 54.00             | -20.33         | 6.00           | 3           | Horizontal | 235            | 2.15          | -        |

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

## 2427MHz\_TX

02/04/2018



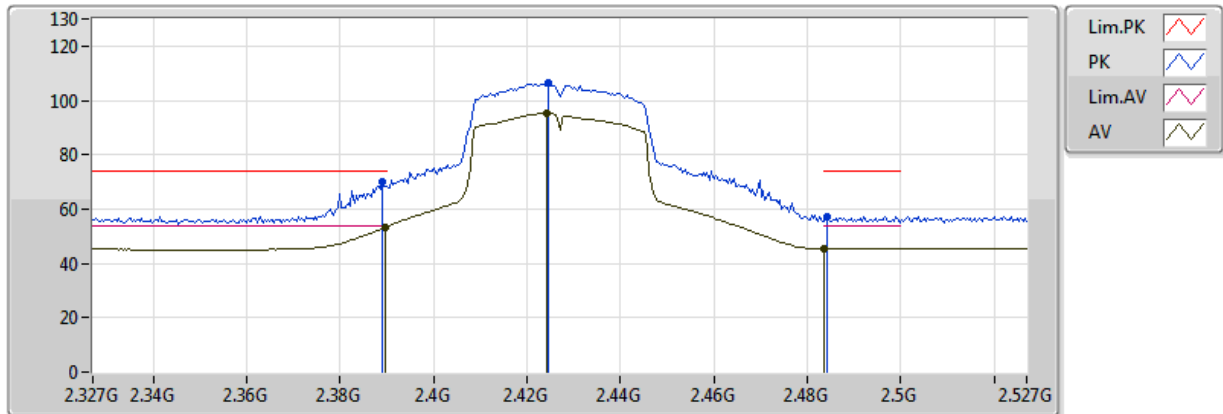
20180402  
EUT Y\_2TX  
Setting 22  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3898G      | 65.58             | 74.00             | -8.42          | 33.17          | 3           | Vertical  | 123            | 2.15          | -        |
| AV   | 2.3898G      | 51.68             | 54.00             | -2.32          | 33.17          | 3           | Vertical  | 123            | 2.15          | -        |
| PK   | 2.4226G      | 104.70            | Inf               | -Inf           | 33.17          | 3           | Vertical  | 123            | 2.15          | -        |
| AV   | 2.425G       | 92.67             | Inf               | -Inf           | 33.17          | 3           | Vertical  | 123            | 2.15          | -        |
| PK   | 2.4866G      | 57.76             | 74.00             | -16.24         | 33.19          | 3           | Vertical  | 123            | 2.15          | -        |
| AV   | 2.483502G    | 45.47             | 54.00             | -8.53          | 33.18          | 3           | Vertical  | 123            | 2.15          | -        |

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

## 2427MHz\_TX

02/04/2018



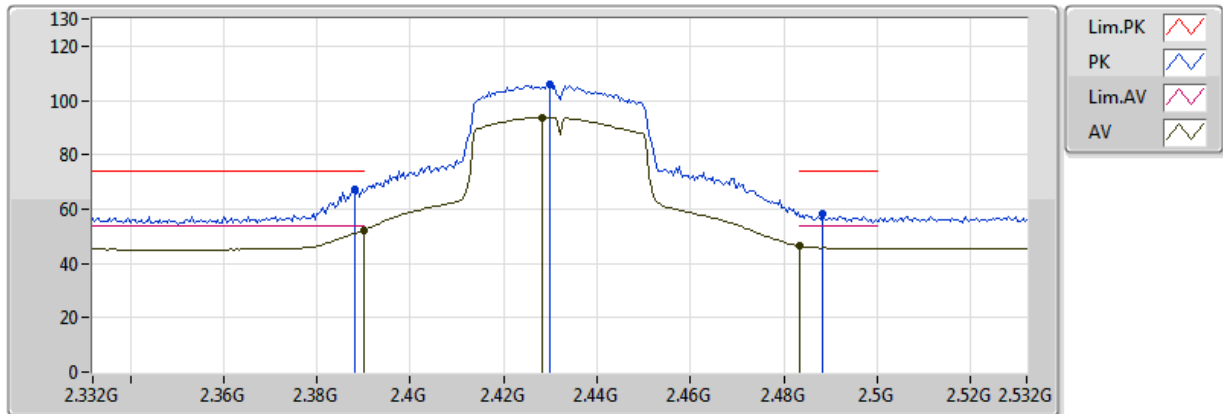
20180402  
EUT Y\_2TX  
Setting 22  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.389G       | 69.82             | 74.00             | -4.18          | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| AV   | 2.3898G      | 53.40             | 54.00             | -0.60          | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| PK   | 2.4246G      | 106.43            | Inf               | -Inf           | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| AV   | 2.4242G      | 95.12             | Inf               | -Inf           | 33.17          | 3           | Horizontal | 211            | 2.34          | -        |
| PK   | 2.4842G      | 57.40             | 74.00             | -16.60         | 33.18          | 3           | Horizontal | 211            | 2.34          | -        |
| AV   | 2.483502G    | 45.46             | 54.00             | -8.54          | 33.18          | 3           | Horizontal | 211            | 2.34          | -        |

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

## 2432MHz\_TX

02/04/2018



20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

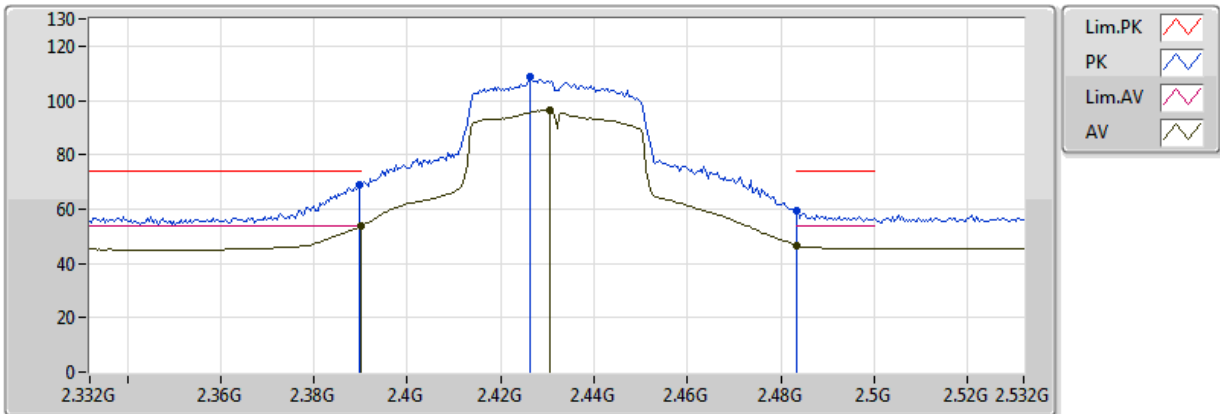
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.388G       | 67.45             | 74.00             | -6.55          | 33.16          | 3           | Vertical  | 127            | 2.29          | -        |
| AV   | 2.389998G    | 52.21             | 54.00             | -1.79          | 33.17          | 3           | Vertical  | 127            | 2.29          | -        |
| PK   | 2.43G        | 105.66            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 127            | 2.29          | -        |
| AV   | 2.4284G      | 93.81             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 127            | 2.29          | -        |
| PK   | 2.4884G      | 58.09             | 74.00             | -15.91         | 33.19          | 3           | Vertical  | 127            | 2.29          | -        |
| AV   | 2.483502G    | 46.33             | 54.00             | -7.67          | 33.18          | 3           | Vertical  | 127            | 2.29          | -        |



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

## 2432MHz\_TX

02/04/2018



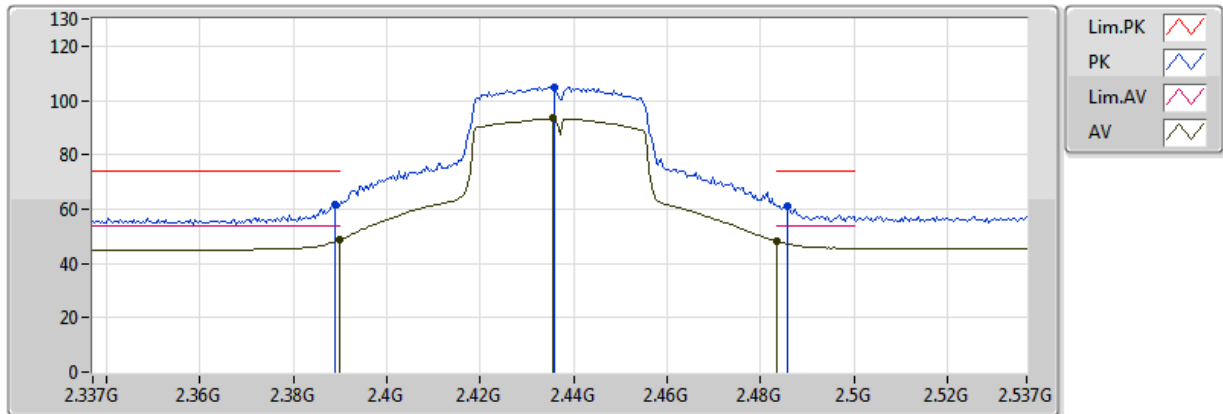
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3896G      | 68.94             | 74.00             | -5.06          | 33.17          | 3           | Horizontal | 202            | 2.60          | -        |
| AV   | 2.389998G    | 53.55             | 54.00             | -0.45          | 33.17          | 3           | Horizontal | 202            | 2.60          | -        |
| PK   | 2.4264G      | 108.54            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 202            | 2.60          | -        |
| AV   | 2.4304G      | 96.15             | Inf               | -Inf           | 33.18          | 3           | Horizontal | 202            | 2.60          | -        |
| PK   | 2.483502G    | 59.33             | 74.00             | -14.67         | 33.18          | 3           | Horizontal | 202            | 2.60          | -        |
| AV   | 2.483502G    | 46.59             | 54.00             | -7.41          | 33.18          | 3           | Horizontal | 202            | 2.60          | -        |

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

## 2437MHz\_TX

02/04/2018



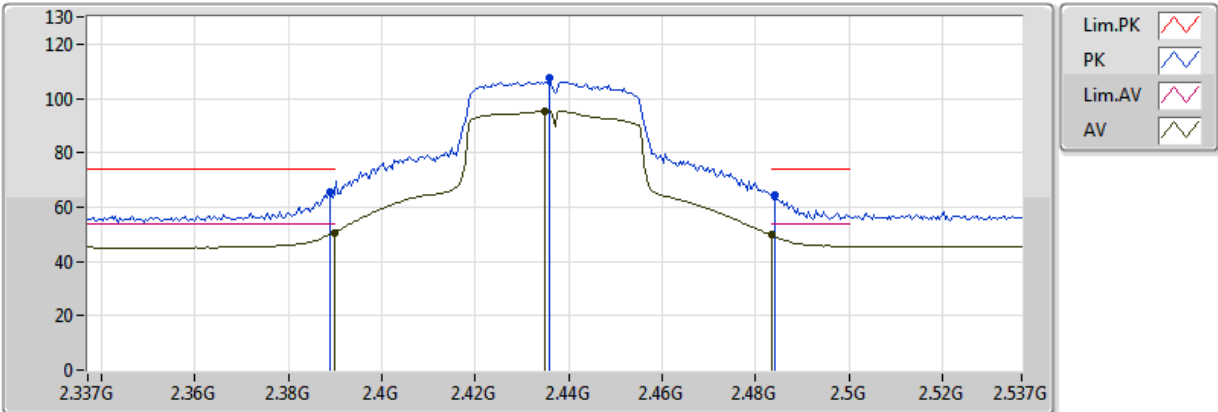
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.389G       | 61.54             | 74.00             | -12.46         | 33.17          | 3           | Vertical  | 263            | 2.87          | -        |
| AV   | 2.3898G      | 48.58             | 54.00             | -5.42          | 33.17          | 3           | Vertical  | 263            | 2.87          | -        |
| PK   | 2.4358G      | 104.92            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 263            | 2.87          | -        |
| AV   | 2.4354G      | 93.31             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 263            | 2.87          | -        |
| PK   | 2.4858G      | 61.17             | 74.00             | -12.83         | 33.19          | 3           | Vertical  | 263            | 2.87          | -        |
| AV   | 2.483502G    | 48.21             | 54.00             | -5.79          | 33.18          | 3           | Vertical  | 263            | 2.87          | -        |

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

## 2437MHz\_TX

02/04/2018



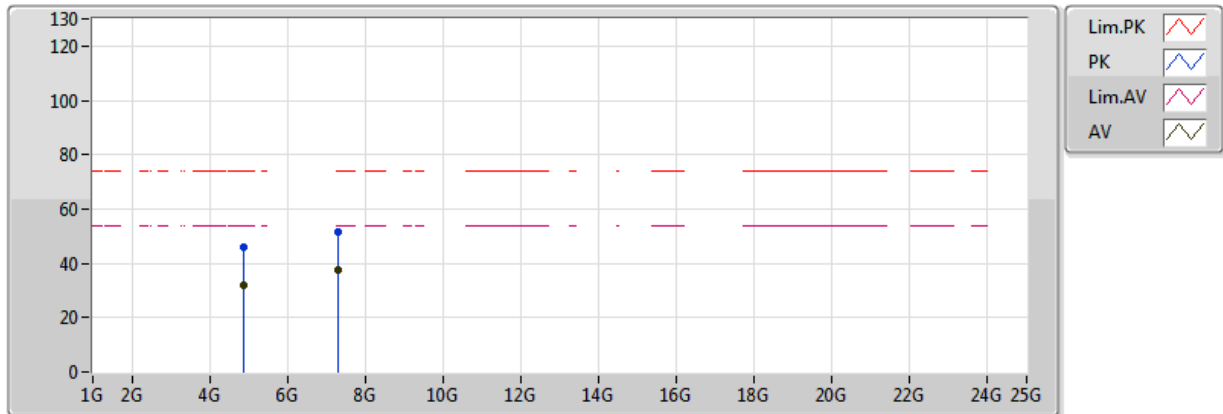
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.389G       | 65.34             | 74.00             | -8.66          | 33.17          | 3           | Horizontal | 206            | 2.29          | -        |
| AV   | 2.3898G      | 50.64             | 54.00             | -3.36          | 33.17          | 3           | Horizontal | 206            | 2.29          | -        |
| PK   | 2.4358G      | 107.71            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 206            | 2.29          | -        |
| AV   | 2.435G       | 95.51             | Inf               | -Inf           | 33.18          | 3           | Horizontal | 206            | 2.29          | -        |
| PK   | 2.4842G      | 64.25             | 74.00             | -9.75          | 33.18          | 3           | Horizontal | 206            | 2.29          | -        |
| AV   | 2.483502G    | 49.62             | 54.00             | -4.38          | 33.18          | 3           | Horizontal | 206            | 2.29          | -        |

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

## 2437MHz\_TX

03/04/2018



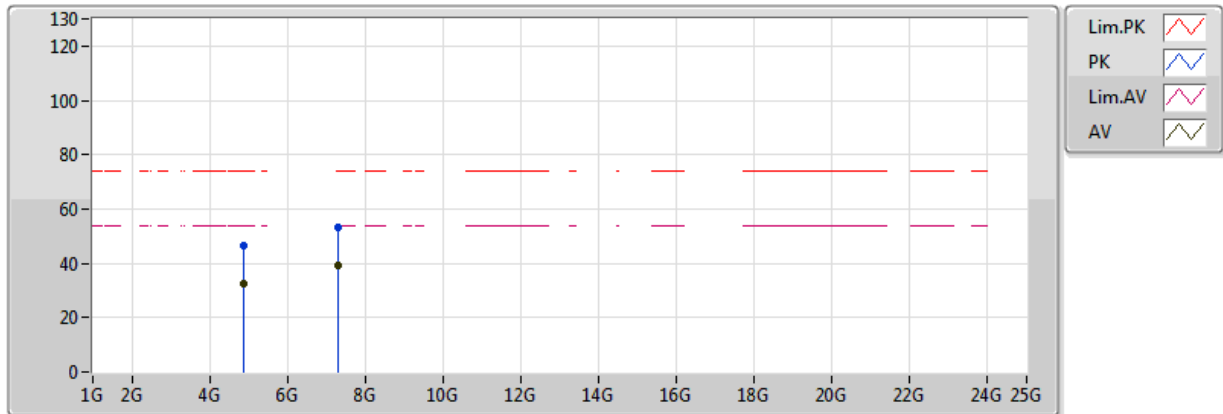
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 4.88312G     | 46.14             | 74.00             | -27.86         | 6.10           | 3           | Vertical  | 198            | 1.28          | -        |
| AV   | 4.86412G     | 32.20             | 54.00             | -21.80         | 6.06           | 3           | Vertical  | 198            | 1.28          | -        |
| PK   | 7.3022G      | 51.77             | 74.00             | -22.23         | 10.97          | 3           | Vertical  | 130            | 2.49          | -        |
| AV   | 7.30756G     | 37.69             | 54.00             | -16.31         | 10.97          | 3           | Vertical  | 130            | 2.49          | -        |

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

## 2437MHz\_TX

03/04/2018



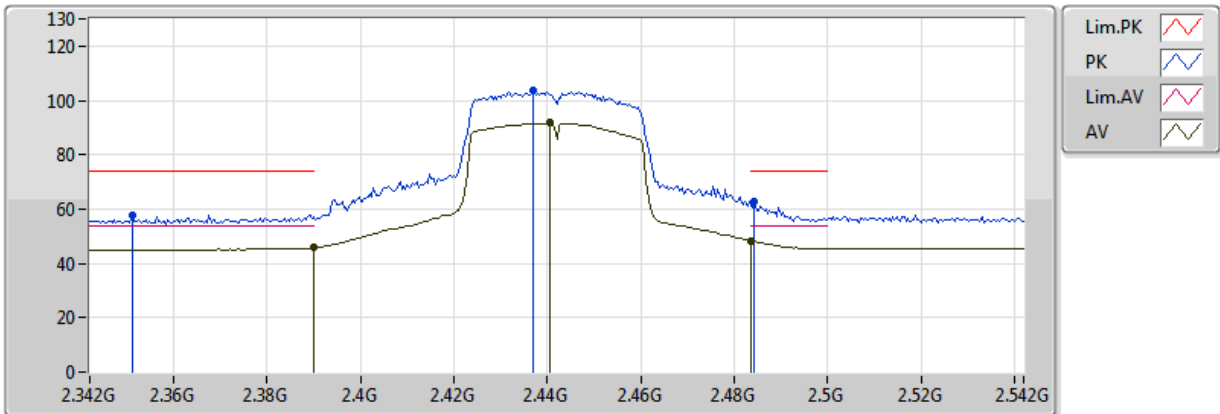
20180402  
EUT Y\_2TX  
Setting 24  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 4.87588G     | 46.71             | 74.00             | -27.29         | 6.09           | 3           | Horizontal | 122            | 2.01          | -        |
| AV   | 4.86428G     | 32.36             | 54.00             | -21.64         | 6.06           | 3           | Horizontal | 122            | 2.01          | -        |
| PK   | 7.30768G     | 53.43             | 74.00             | -20.57         | 10.97          | 3           | Horizontal | 287            | 2.46          | -        |
| AV   | 7.3052G      | 39.48             | 54.00             | -14.52         | 10.97          | 3           | Horizontal | 287            | 2.46          | -        |

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

## 2442MHz\_TX

02/04/2018



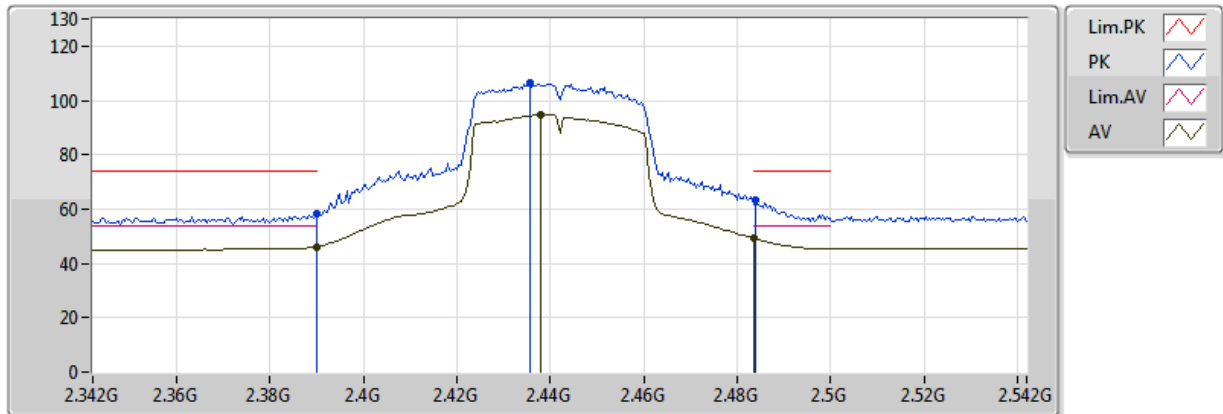
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3512G      | 57.78             | 74.00             | -16.22         | 33.14          | 3           | Vertical  | 292            | 1.95          | -        |
| AV   | 2.389998G    | 45.81             | 54.00             | -8.19          | 33.17          | 3           | Vertical  | 292            | 1.95          | -        |
| PK   | 2.4368G      | 103.49            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 292            | 1.95          | -        |
| AV   | 2.4404G      | 91.62             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 292            | 1.95          | -        |
| PK   | 2.4844G      | 63.00             | 74.00             | -11.00         | 33.18          | 3           | Vertical  | 292            | 1.95          | -        |
| AV   | 2.483502G    | 48.28             | 54.00             | -5.72          | 33.18          | 3           | Vertical  | 292            | 1.95          | -        |

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

## 2442MHz\_TX

02/04/2018



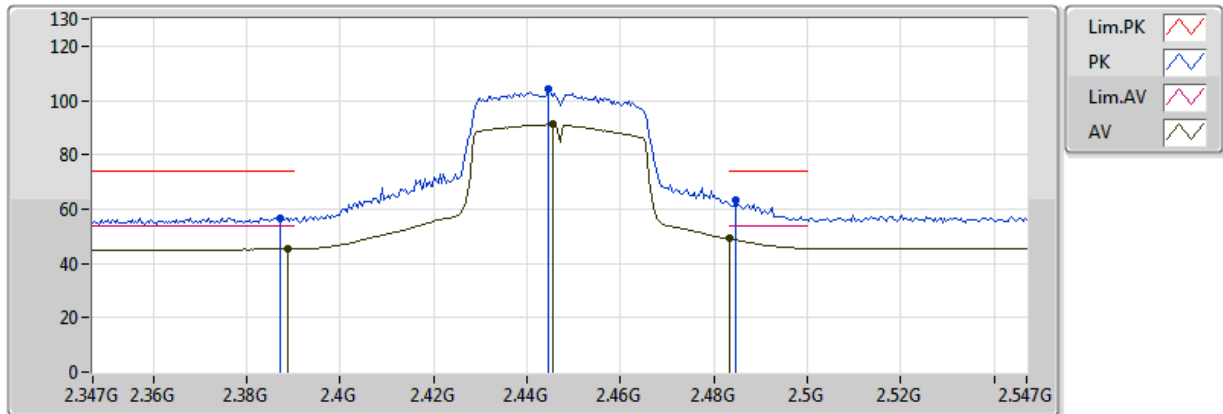
20180402  
EUT Y\_2TX  
Setting 21  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.389998G    | 58.21             | 74.00             | -15.79         | 33.17          | 3           | Horizontal | 40             | 2.30          | -        |
| AV   | 2.389998G    | 46.15             | 54.00             | -7.85          | 33.17          | 3           | Horizontal | 40             | 2.30          | -        |
| PK   | 2.4356G      | 106.60            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 40             | 2.30          | -        |
| AV   | 2.438G       | 94.66             | Inf               | -Inf           | 33.18          | 3           | Horizontal | 40             | 2.30          | -        |
| PK   | 2.484G       | 63.09             | 74.00             | -10.91         | 33.18          | 3           | Horizontal | 40             | 2.30          | -        |
| AV   | 2.483502G    | 49.06             | 54.00             | -4.94          | 33.18          | 3           | Horizontal | 40             | 2.30          | -        |

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

## 2447MHz\_TX

02/04/2018



20180402  
EUT Y\_2TX  
Setting 1F  
04-L-2  
FSP(100142)

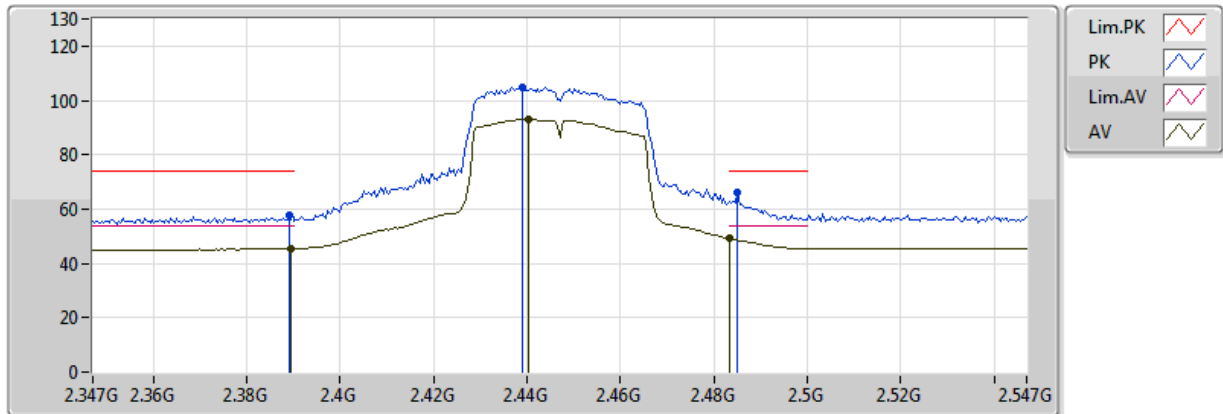
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.387G       | 56.82             | 74.00             | -17.18         | 33.16          | 3           | Vertical  | 268            | 2.99          | -        |
| AV   | 2.3886G      | 45.41             | 54.00             | -8.59          | 33.17          | 3           | Vertical  | 268            | 2.99          | -        |
| PK   | 2.4446G      | 104.01            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 268            | 2.99          | -        |
| AV   | 2.4454G      | 91.13             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 268            | 2.99          | -        |
| PK   | 2.4846G      | 63.09             | 74.00             | -10.91         | 33.18          | 3           | Vertical  | 268            | 2.99          | -        |
| AV   | 2.483502G    | 49.06             | 54.00             | -4.94          | 33.18          | 3           | Vertical  | 268            | 2.99          | -        |



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

## 2447MHz\_TX

02/04/2018



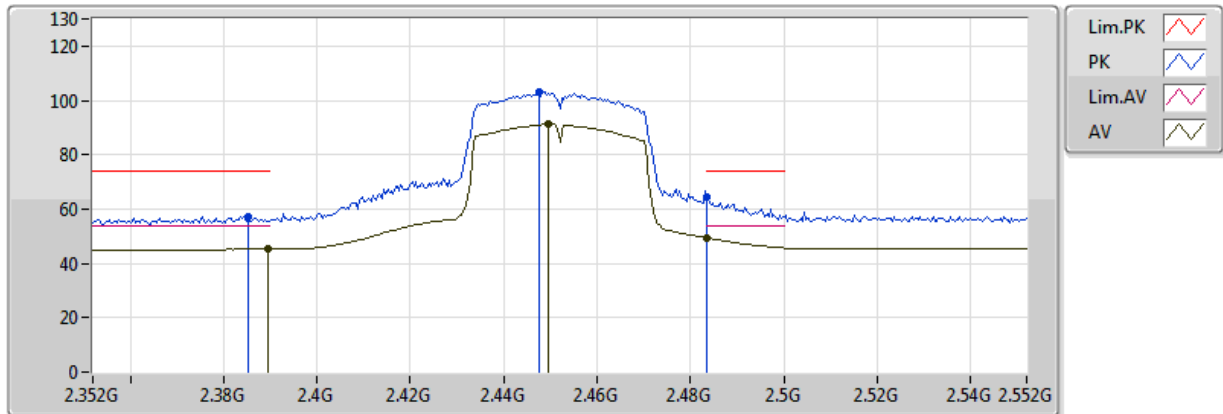
20180402  
EUT Y\_2TX  
Setting 1F  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.389G       | 57.45             | 74.00             | -16.55         | 33.17          | 3           | Horizontal | 42             | 2.31          | -        |
| AV   | 2.3894G      | 45.52             | 54.00             | -8.48          | 33.17          | 3           | Horizontal | 42             | 2.31          | -        |
| PK   | 2.439G       | 105.01            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 42             | 2.31          | -        |
| AV   | 2.4402G      | 92.94             | Inf               | -Inf           | 33.18          | 3           | Horizontal | 42             | 2.31          | -        |
| PK   | 2.485G       | 65.97             | 74.00             | -8.03          | 33.18          | 3           | Horizontal | 42             | 2.31          | -        |
| AV   | 2.483502G    | 49.07             | 54.00             | -4.93          | 33.18          | 3           | Horizontal | 42             | 2.31          | -        |

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

## 2452MHz\_TX

02/04/2018



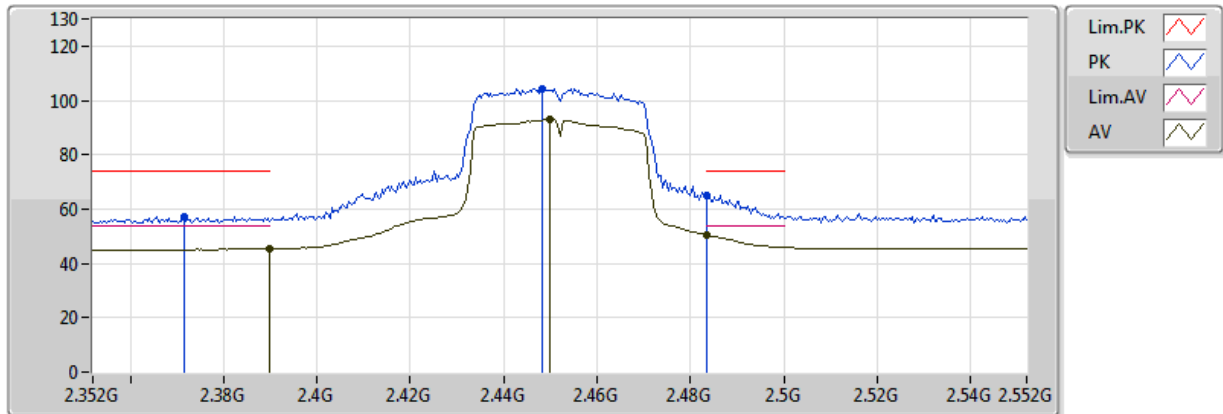
20180402  
EUT Y\_2TX  
Setting 1F  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 2.3852G      | 57.19             | 74.00             | -16.81         | 33.16          | 3           | Vertical  | 121            | 2.56          | -        |
| AV   | 2.3896G      | 45.35             | 54.00             | -8.65          | 33.17          | 3           | Vertical  | 121            | 2.56          | -        |
| PK   | 2.4476G      | 103.32            | Inf               | -Inf           | 33.18          | 3           | Vertical  | 121            | 2.56          | -        |
| AV   | 2.4496G      | 91.18             | Inf               | -Inf           | 33.18          | 3           | Vertical  | 121            | 2.56          | -        |
| PK   | 2.483502G    | 64.42             | 74.00             | -9.58          | 33.18          | 3           | Vertical  | 121            | 2.56          | -        |
| AV   | 2.483502G    | 49.42             | 54.00             | -4.58          | 33.18          | 3           | Vertical  | 121            | 2.56          | -        |

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

## 2452MHz\_TX

02/04/2018



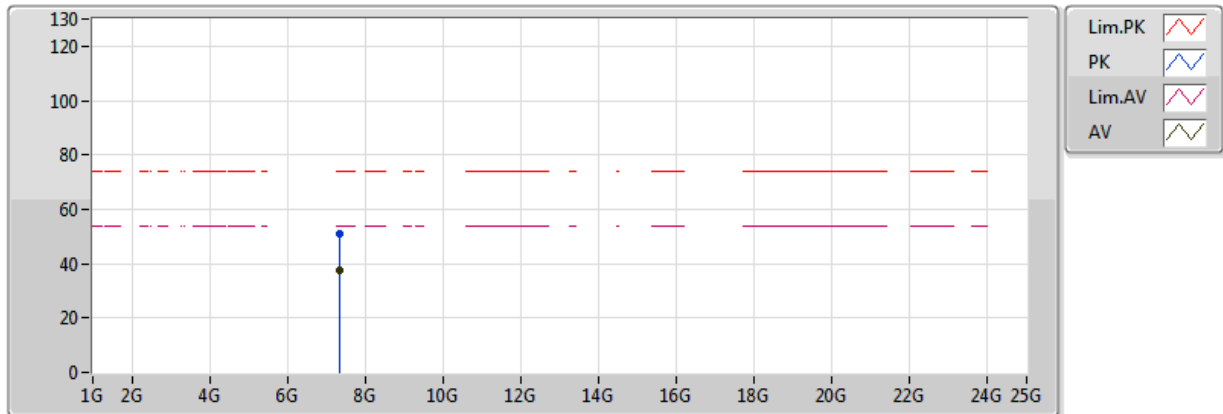
20180402  
EUT Y\_2TX  
Setting 1F  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 2.3716G      | 57.41             | 74.00             | -16.59         | 33.15          | 3           | Horizontal | 33             | 1.98          | -        |
| AV   | 2.389998G    | 45.44             | 54.00             | -8.56          | 33.17          | 3           | Horizontal | 33             | 1.98          | -        |
| PK   | 2.4484G      | 104.46            | Inf               | -Inf           | 33.18          | 3           | Horizontal | 33             | 1.98          | -        |
| AV   | 2.45G        | 92.97             | Inf               | -Inf           | 33.18          | 3           | Horizontal | 33             | 1.98          | -        |
| PK   | 2.483502G    | 65.23             | 74.00             | -8.77          | 33.18          | 3           | Horizontal | 33             | 1.98          | -        |
| AV   | 2.483502G    | 50.27             | 54.00             | -3.73          | 33.18          | 3           | Horizontal | 33             | 1.98          | -        |

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

## 2452MHz\_TX

03/04/2018



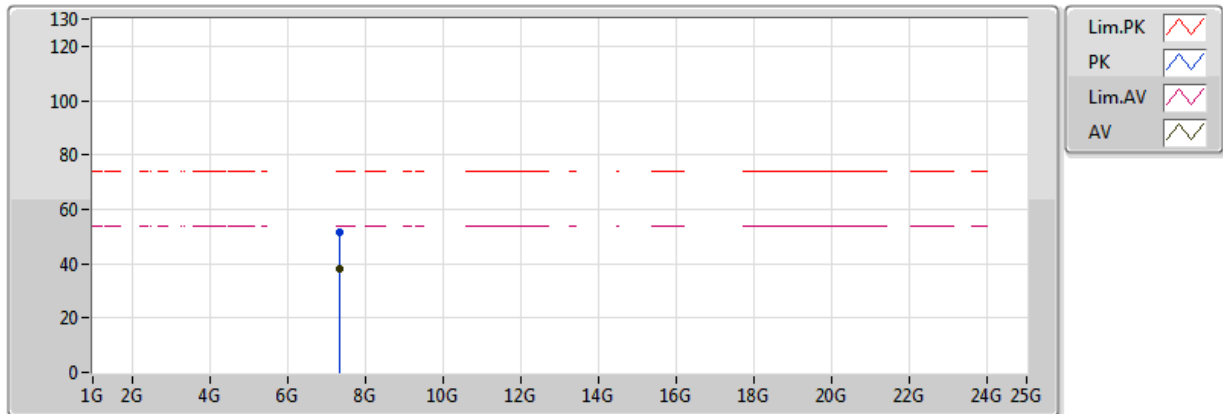
20180402  
EUT Y\_2TX  
Setting 1F  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 7.361G       | 51.06             | 74.00             | -22.94         | 10.98          | 3           | Vertical  | 216            | 1.34          | -        |
| AV   | 7.35412G     | 37.49             | 54.00             | -16.51         | 10.98          | 3           | Vertical  | 216            | 1.34          | -        |

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

## 2452MHz\_TX

03/04/2018



20180402  
EUT Y\_2TX  
Setting 1F  
04-L-2  
FSP(100142)

| 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 |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 7.35004G     | 51.76             | 74.00             | -22.24         | 10.98          | 3           | Horizontal | 161            | 1.45          | -        |
| AV   | 7.35356G     | 37.96             | 54.00             | -16.04         | 10.98          | 3           | Horizontal | 161            | 1.45          | -        |