

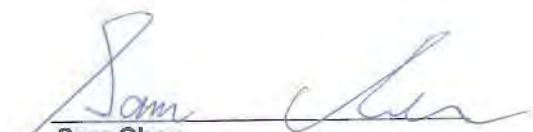


# FCC Test Report

Equipment : Wireless-AX6000 Dual Band Gigabit Router  
Brand Name : ASUS  
Model No. : RT-AX88U, RT-AX6000, RT-AX88P, RT-AX88R, RT-AX88A  
FCC ID : MSQ-RTAXHP00  
Standard : 47 CFR FCC Part 15.247  
Operating Band : 2400 MHz – 2483.5 MHz  
Function : ☒ Point-to-multipoint; ☐ Point-to-point  
Applicant : ASUSTeK COMPUTER INC.  
4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan  
Manufacturer (1) : Compal Networking (KunShan) Co., LTD.  
No. 520, Nanbang Rd., Economic & Technical  
Development Zone Kunshan, Jiangsu Province  
China  
Manufacturer (2) : ASKEY TECHNOLOGY (JIANG SU) LTD  
NO1388, Jiao Tong Road, Wujiang Economic  
Technological Development Area Jiangsu Province  
215200 China

The product sample received on Dec. 18, 2017 and completely tested on Mar. 08, 2018. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

  
Sam Chen  
SPORTON INTERNATIONAL INC.



## Table of Contents

|                                                                                |                                                   |           |
|--------------------------------------------------------------------------------|---------------------------------------------------|-----------|
| <b>1</b>                                                                       | <b>GENERAL DESCRIPTION .....</b>                  | <b>5</b>  |
| 1.1                                                                            | Information.....                                  | 5         |
| 1.2                                                                            | Testing Applied Standards .....                   | 8         |
| 1.3                                                                            | Testing Location Information .....                | 8         |
| 1.4                                                                            | Measurement Uncertainty .....                     | 8         |
| <b>2</b>                                                                       | <b>TEST CONFIGURATION OF EUT .....</b>            | <b>9</b>  |
| 2.1                                                                            | Test Channel Mode .....                           | 9         |
| 2.2                                                                            | The Worst Case Measurement Configuration.....     | 11        |
| 2.3                                                                            | EUT Operation during Test .....                   | 11        |
| 2.4                                                                            | Accessories .....                                 | 12        |
| 2.5                                                                            | Support Equipment.....                            | 12        |
| 2.6                                                                            | Test Setup Diagram .....                          | 13        |
| <b>3</b>                                                                       | <b>TRANSMITTER TEST RESULT .....</b>              | <b>14</b> |
| 3.1                                                                            | DTS Bandwidth .....                               | 14        |
| 3.2                                                                            | Maximum Conducted Output Power .....              | 15        |
| 3.3                                                                            | Power Spectral Density .....                      | 17        |
| 3.4                                                                            | Emissions in Non-restricted Frequency Bands ..... | 19        |
| 3.5                                                                            | Emissions in Restricted Frequency Bands.....      | 20        |
| <b>4</b>                                                                       | <b>TEST EQUIPMENT AND CALIBRATION DATA .....</b>  | <b>23</b> |
| <b>APPENDIX A. TEST RESULTS OF DTS BANDWIDTH</b>                               |                                                   |           |
| <b>APPENDIX B. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER</b>              |                                                   |           |
| <b>APPENDIX C. TEST RESULTS OF POWER SPECTRAL DENSITY</b>                      |                                                   |           |
| <b>APPENDIX D. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS</b> |                                                   |           |
| <b>APPENDIX E. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS</b>     |                                                   |           |
| <b>APPENDIX F. TEST PHOTOS</b>                                                 |                                                   |           |
| <b>PHOTOGRAPHS OF EUT V01</b>                                                  |                                                   |           |

## Summary of Test Result

| Conformance Test Specifications |                  |                                             |                                   |          |
|---------------------------------|------------------|---------------------------------------------|-----------------------------------|----------|
| Report Clause                   | Ref. Std. Clause | Description                                 | Limit                             | Result   |
| 1.1.2                           | 15.203           | Antenna Requirement                         | FCC 15.203                        | Complied |
| 3.1                             | 15.247(a)        | DTS Bandwidth                               | $\geq 500\text{kHz}$              | Complied |
| 3.2                             | 15.247(b)        | Maximum Conducted Output Power              | Power [dBm]:30                    | Complied |
| 3.3                             | 15.247(e)        | Power Spectral Density                      | PSD [dBm/3kHz]:8                  | Complied |
| 3.4                             | 15.247(d)        | Emissions in Non-restricted Frequency Bands | Non-Restricted Bands:<br>> 30 dBc | Complied |
| 3.5                             | 15.247(d)        | Emissions in Restricted Frequency Bands     | Restricted Bands:<br>FCC 15.209   | Complied |



SPORTON INTERNATIONAL INC.  
TEL : 886-3-3273456  
FAX : 886-3-3270973  
FCC ID: MSQ-RTAXHP00

# 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), ac (VHT20),<br>ax (HE20) | 2412-2462           | 1-11 [11]      |
| 2400-2483.5           | n (HT40), ac (VHT40),<br>ax (HE40)       | 2422-2452           | 3-9 [7]        |

| Band          | Mode              | BWch (MHz) | Nant |
|---------------|-------------------|------------|------|
| 2.4-2.4835GHz | 802.11b           | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11g           | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11n HT20      | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11n HT20-BF   | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11ac VHT20    | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11ac VHT20-BF | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11ax HE20     | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11ax HE20,BF  | 20         | 4TX  |
| 2.4-2.4835GHz | 802.11n HT40      | 40         | 4TX  |
| 2.4-2.4835GHz | 802.11n HT40-BF   | 40         | 4TX  |
| 2.4-2.4835GHz | 802.11ac VHT40    | 40         | 4TX  |
| 2.4-2.4835GHz | 802.11ac VHT40-BF | 40         | 4TX  |
| 2.4-2.4835GHz | 802.11ax HE40     | 40         | 4TX  |
| 2.4-2.4835GHz | 802.11ax HE40,BF  | 40         | 4TX  |

**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.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HE20, HE40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 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 | 2.4G Port | 5G Port | Brand  | P/N                | Antenna Type   | Connector        | Gain (dBi) |
|-----|-----------|---------|--------|--------------------|----------------|------------------|------------|
| 1   | 1         | 2       | M.gear | C660-510411-A      | Dipole Antenna | Reverse SMA Plug | Note 1     |
|     | 2         | 1       |        |                    |                |                  |            |
|     | 3         | 4       |        |                    |                |                  |            |
|     | 4         | 3       |        |                    |                |                  |            |
| 2   | -         |         | PSA    | RFDPA171300SBLB820 | Dipole Antenna | Reverse SMA Plug |            |

Note1:

| Set | 2.4G Port | 5G Port | Gain (dBi) |                      |             |             |
|-----|-----------|---------|------------|----------------------|-------------|-------------|
|     |           |         | 2.4GHz     | 5GHz Band 1 / Band 2 | 5GHz Band 3 | 5GHz Band 4 |
| 1   | 1         | 2       | 1.94       | 2.33                 | 2.35        | 1.94        |
|     | 2         | 1       |            |                      |             |             |
|     | 3         | 4       |            |                      |             |             |
|     | 4         | 3       |            |                      |             |             |
| 2   | -         |         | 1.85       | 2.24                 | 2.32        | 1.86        |

Note2: The EUT has two sets of antennas because set 1 & set 2 are the same type antennas, only the higher gain antenna "set 1" was tested..

#### <For 2.4GHz Band>

##### For IEEE 802.11b/g/n/ac/ax mode <4TX/4RX>:

Port 1, Port 2, Port 3 and Port 4 will transmit/receive the same signal simultaneously.

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antennas.

#### <For 5GHz Band>

##### For IEEE 802.11a/n/ac/ax mode <4TX/4RX>:

Port 1, Port 2, Port 3 and Port 4 will transmit/receive the same signal simultaneously.

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antennas.

### 1.1.3 Mode Test Duty Cycle

| Mode              | DC    | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|-------------------|-------|---------|----------------------|----------------------|
| 802.11ac VHT20,BF | 0.982 | 0.079   | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ac VHT40,BF | 0.983 | 0.074   | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HE20,BF  | 0.986 | 0.061   | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HE40,BF  | 0.983 | 0.074   | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

### 1.1.4 EUT Operational Condition

|                              |                                     |                                                        |                                              |
|------------------------------|-------------------------------------|--------------------------------------------------------|----------------------------------------------|
| <b>EUT Power Type</b>        | From Power Adapter                  |                                                        |                                              |
| <b>Beamforming Function</b>  | <input checked="" type="checkbox"/> | With beamforming for 802.11n/ac/ax in 2.4GHz and 5GHz. | <input type="checkbox"/> Without beamforming |
| <b>Test Software Version</b> | accessMTool_3_0_0_5                 |                                                        |                                              |

### 1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

| Model Name | Description                                                                           |
|------------|---------------------------------------------------------------------------------------|
| RT-AX88U   | All the models are identical, the different model names served as marketing strategy. |
| RT-AX6000  |                                                                                       |
| RT-AX88P   |                                                                                       |
| RT-AX88R   |                                                                                       |
| RT-AX88A   |                                                                                       |

From the above models, model: RT-AX88U was selected as representative model for the test and its data was recorded in this report.

### 1.1.6 Table for SKU information

| EUT No. | SUK No. / Brand Name | P/N      |
|---------|----------------------|----------|
| 1       | SUK 1 / SWAPnet      | NS604804 |
| 2       | SUK 2 / Mingtek      | HN4821CG |

Note: The SKU does not affect the test result of RF tests, so only SUK 1 was tested and recorded in this report.

### 1.1.7 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR780707AA

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

| Modifications                               | Description                                                                                                                                                                        |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Add beamforming function for 2.4GHz      | 1. DTS Bandwidth<br>2. Maximum Conducted Output Power<br>3. Power Spectral Density<br>4. Emissions in Non-restricted Frequency<br>5. Bands Emissions in Restricted Frequency Bands |
| 2. Add Client without radar detection mode. | Do not affect the test results in this test report.                                                                                                                                |

## 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     | 20°C / 50%       | Feb. 21, 2018 ~ Mar. 07, 2018 |
| Radiated       | 03CH01-CB     | Cola Fan      | 22°C / 54%       | Dec. 18, 2017 ~ Mar. 08, 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                   |
|-----------------------------------|-----------------------|--------------------------|
| 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 |
|-----------------------------------|---------------|
| 802.11ax HE20,BF_Nss1,(MCS0)_4TX  | -             |
| 2412MHz                           | 70            |
| 2417MHz                           | 82            |
| 2422MHz                           | 85            |
| 2437MHz                           | 86            |
| 2452MHz                           | <b>87</b>     |
| 2457MHz                           | 83            |
| 2462MHz                           | 75            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -             |
| 2412MHz                           | 78            |
| 2417MHz                           | 86            |
| 2422MHz                           | 87            |
| 2437MHz                           | 87            |
| 2452MHz                           | 88            |
| 2457MHz                           | 88            |
| 2462MHz                           | 78            |
| 802.11ax HE40,BF_Nss1,(MCS0)_4TX  | -             |
| 2422MHz                           | 64            |
| 2427MHz                           | 60            |
| 2432MHz                           | 66            |
| 2437MHz                           | 76            |
| 2452MHz                           | 76            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -             |
| 2422MHz                           | 60            |
| 2427MHz                           | 63            |
| 2432MHz                           | 71            |
| 2437MHz                           | 76            |
| 2452MHz                           | 78            |
| 802.11ax HE20,BF_Nss2,(MCS0)_4TX  | -             |
| 2412MHz                           | 77            |
| 2417MHz                           | 84            |
| 2422MHz                           | 90            |
| 2427MHz                           | 93            |
| 2437MHz                           | 94            |
| 2452MHz                           | 93            |
| 2457MHz                           | 89            |
| 2462MHz                           | 79            |

|                                   |    |
|-----------------------------------|----|
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | -  |
| 2412MHz                           | 78 |
| 2417MHz                           | 88 |
| 2422MHz                           | 92 |
| 2437MHz                           | 94 |
| 2452MHz                           | 93 |
| 2457MHz                           | 88 |
| 2462MHz                           | 83 |
| 802.11ax HE40,BF_Nss2,(MCS0)_4TX  | -  |
| 2422MHz                           | 66 |
| 2427MHz                           | 70 |
| 2432MHz                           | 70 |
| 2437MHz                           | 79 |
| 2452MHz                           | 77 |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | -  |
| 2422MHz                           | 68 |
| 2427MHz                           | 72 |
| 2432MHz                           | 76 |
| 2437MHz                           | 84 |
| 2452MHz                           | 81 |

**Note:**

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

## 2.2 The Worst Case Measurement Configuration

| 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                                                                                 |
| <b>Test Mode</b>                                    | EUT 1 + Master (AP) Mode                                                                                                 |

| 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 &gt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |
| 1                                                   | EUT 1 + Master (AP) Mode                                                                                                                                                                                                                            |

| 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 1 + Master (AP) Mode (WLAN 2.4GHz + WLAN 5GHz)                      |
| Refer to Sporton Test Report No.: FA780707-01 for Co-location RF Exposure Evaluation. |                                                                         |

Note: The EUT supports master mode (AP mode), client without radar detection mode and only be used at Z axis.

## 2.3 EUT Operation during Test

For CTX Mode:

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Telnet" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

## 2.4 Accessories

| Accessories                       |            |            |          |                                                       |
|-----------------------------------|------------|------------|----------|-------------------------------------------------------|
| Equipment Name                    | Brand Name | Model Name | type     | Rating                                                |
| Adapter 1                         | DELTA      | ADP-45BW B | -        | INPUT: 100-240V ~ 1.2A, 50-60Hz<br>OUTPUT: 19V, 2.37A |
| Adapter 2                         | PI         | AD883J20   | 010K-7LF | INPUT: 100-240V ~ 50/60Hz, 1.0A<br>OUTPUT: 19V, 2.37A |
| Adapter 3                         | PI         | AD2066320  | 010-1LF  | INPUT: 100-240V ~ 50/60Hz, 1.0A<br>OUTPUT: 19V, 2.37A |
| Adapter 4                         | DELTA      | ADP-45BW Y | -        | INPUT: 100-240V ~ 50-60Hz, 1.2A<br>OUTPUT: 19V, 2.37A |
| Other                             |            |            |          |                                                       |
| RJ-45 cable*1, Non-shielded, 1.5m |            |            |          |                                                       |

Note: The power adapter does not affect the test result of RF tests, so only adapter 1 was tested and recorded in this report.

## 2.5 Support Equipment

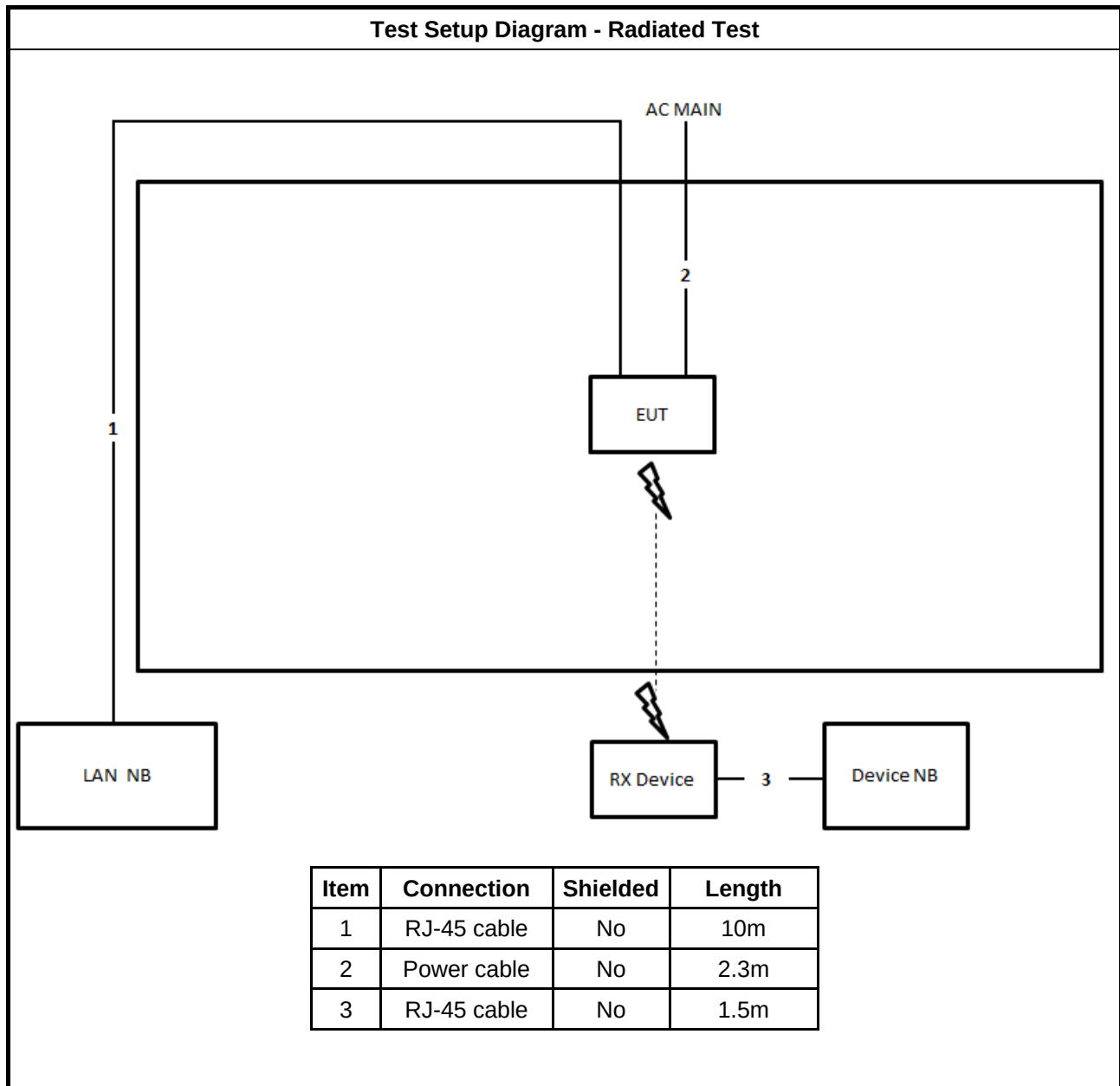
For Test Site No: 03CH01-CB (above 1GHz)

| Support Equipment |            |            |            |        |
|-------------------|------------|------------|------------|--------|
| No.               | Equipment  | Brand Name | Model Name | FCC ID |
| 1                 | Notebook*2 | DELL       | E4300      | DoC    |
| 2                 | RX Device  | AVAGO      | 43684MCH5  | N/A    |

For Test Site No: TH01-CB

| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| 1                 | Notebook  | DELL       | E4300      | DoC    |

## 2.6 Test Setup Diagram



### 3 Transmitter Test Result

#### 3.1 DTS Bandwidth

##### 3.1.1 6dB Bandwidth Limit

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

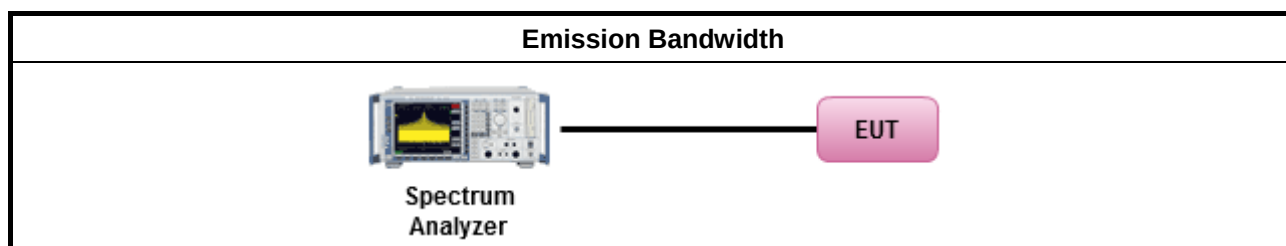
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 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.           |

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

## 3.2 Maximum Conducted Output Power

### 3.2.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                                                                                                              |                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                   | ▪ 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. |                                                                                                      |

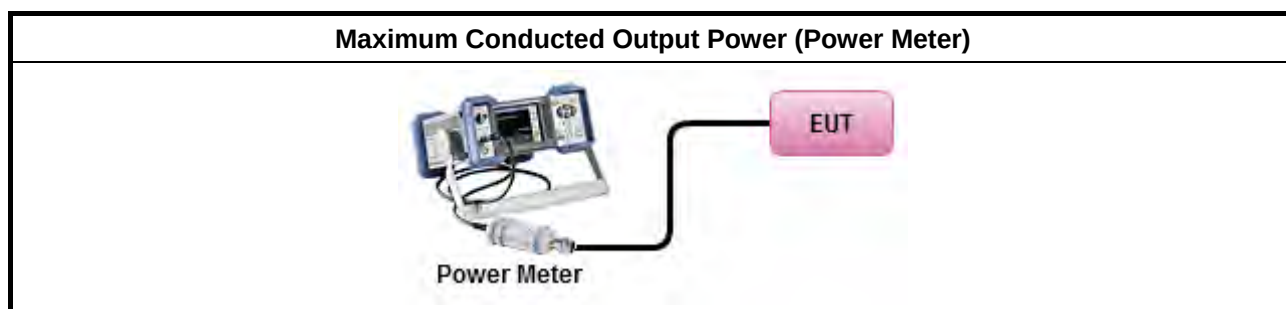
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                            |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Maximum 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 9.1.2 Option 2 (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)          |
| RF power meter and average over on/off periods with duty factor or gated trigger                                                                                                                                                                                                                                                                                       |                                                                                         |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                    | Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM-G (using an RF average power meter). |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 558074, clause 9.1.2 PKPM1 Peak power meter method.                    |
| <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 display="block">P_{total} = P_1 + P_2 + \dots + P_n</math> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math display="block">EIRP_{total} = P_{total} + DG</math> </li> </ul>                                  |                                                                                         |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

### 3.3 Power Spectral Density

#### 3.3.1 Power Spectral Density Limit

| Power Spectral Density Limit                                                                                |
|-------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Power Spectral Density (PSD) <math>\leq 8</math> dBm/3kHz</li> </ul> |

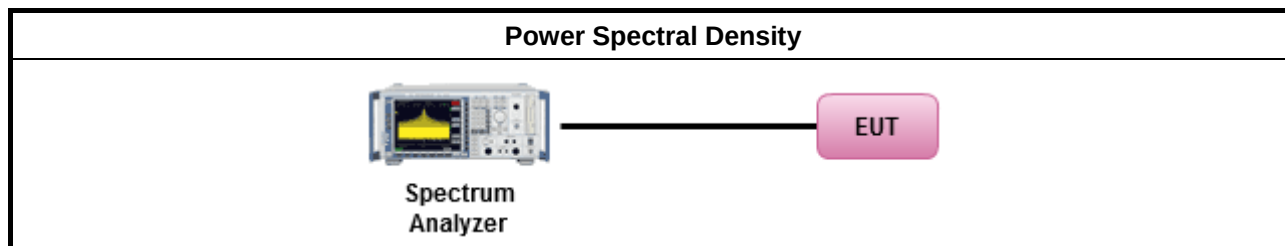
#### 3.3.2 Measuring Instruments

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

#### 3.3.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>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).</li> </ul>                                                                                                         |
| <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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input 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.                                                                                                                                                                                                                                                                                                                             |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

### 3.4 Emissions in Non-restricted Frequency Bands

#### 3.4.1 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> |            |

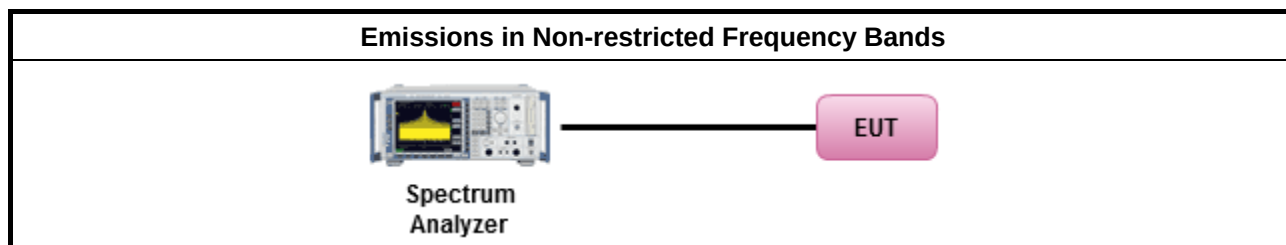
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

| Test Method                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.</li> </ul> |

#### 3.4.4 Test Setup



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

Refer as Appendix D

### 3.5 Emissions in Restricted Frequency Bands

#### 3.5.1 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.

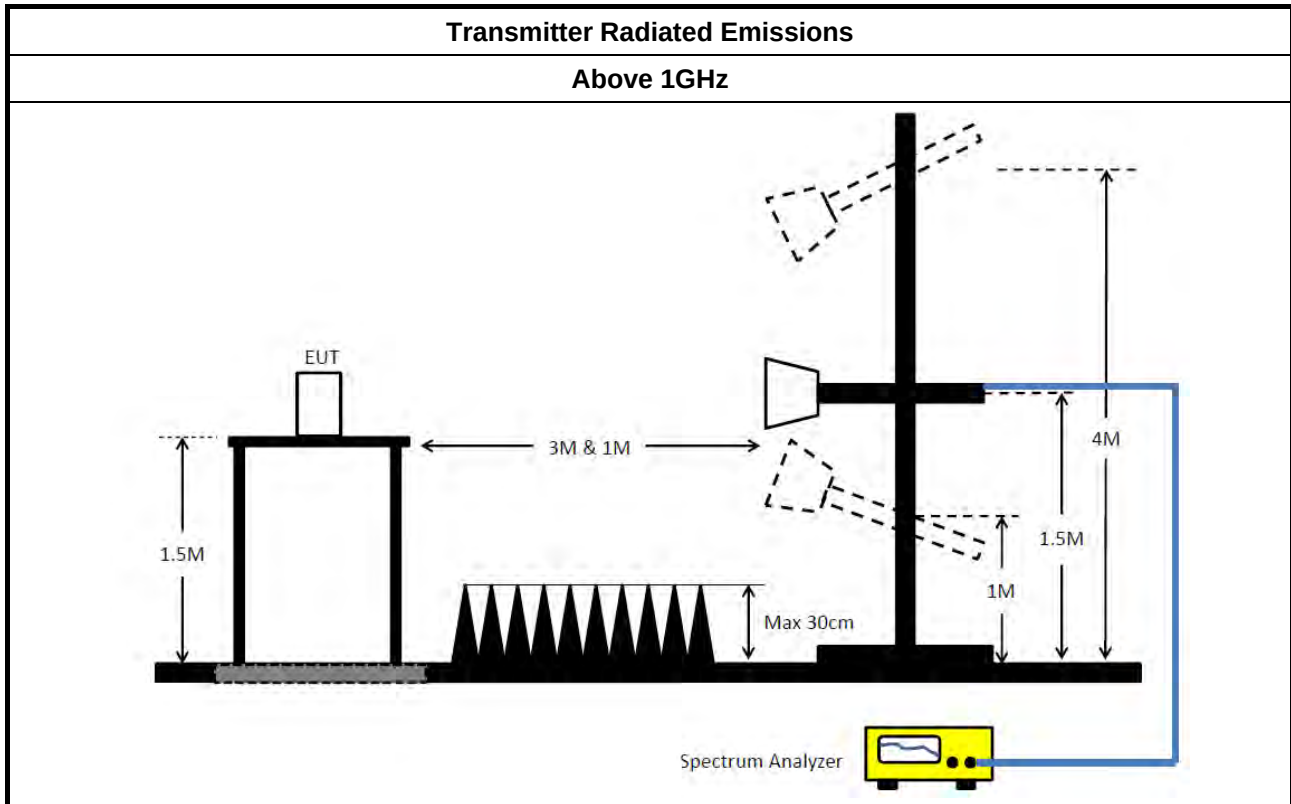
#### 3.5.2 Measuring Instruments

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>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). 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> |

### 3.5.4 Test Setup



### 3.5.5 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix E



## 4 Test Equipment and Calibration Data

| Instrument                 | Manufacturer | Model No.        | Serial No.    | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|----------------------------|--------------|------------------|---------------|------------------|------------------|----------------------|-----------------------|
| Loop Antenna               | Teseq        | HLA 6120         | 24155         | 9kHz - 30 MHz    | Mar. 16, 2016*   | Mar. 15, 2018*       | 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              | Agilent      | 8449B            | 3008A02310    | 1GHz ~ 26.5GHz   | Jan. 16, 2017    | Jan. 15, 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-H G   | 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) |
| 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) |
| 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)   |
| Temp. and Humidity Chamber | Ten Billion  | TTH-D3SP         | TBN-931011    | -30~100 degree   | Jun. 02, 2017    | Jun. 01, 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.

**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                     | -                | -               | -        | -                | -               |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 17.6M            | 17.841M         | 17M8D1D  | 17.55M           | 17.691M         |
| HE20,BF_Nss1,(MCS0)_4TX           | 19.025M          | 19.015M         | 19M0D1D  | 18.9M            | 18.916M         |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 36.35M           | 36.282M         | 36M3D1D  | 36.3M            | 36.032M         |
| HE40,BF_Nss1,(MCS0)_4TX           | 37.8M            | 37.681M         | 37M7D1D  | 36.45M           | 37.431M         |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | 17.625M          | 17.816M         | 17M8D1D  | 17.525M          | 17.691M         |
| HE20,BF_Nss2,(MCS0)_4TX           | 19.1M            | 19.015M         | 19M0D1D  | 18.85M           | 18.891M         |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | 36.4M            | 36.332M         | 36M3D1D  | 36.25M           | 36.082M         |
| HE40,BF_Nss2,(MCS0)_4TX           | 37.75M           | 37.631M         | 37M6D1D  | 36.75M           | 37.431M         |

**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<br>dB<br>(Hz) | Port<br>1-OBW<br>(Hz) | Port 2-N<br>dB<br>(Hz) | Port<br>2-OBW<br>(Hz) | Port 3-N<br>dB<br>(Hz) | Port<br>3-OBW<br>(Hz) | Port 4-N<br>dB<br>(Hz) | Port<br>4-OBW<br>(Hz) |
|-----------------------------------|--------|---------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2412MHz                           | Pass   | 500k          | 17.575M                | 17.741M               | 17.575M                | 17.741M               | 17.575M                | 17.691M               | 17.575M                | 17.741M               |
| 2437MHz                           | Pass   | 500k          | 17.6M                  | 17.766M               | 17.575M                | 17.841M               | 17.6M                  | 17.791M               | 17.6M                  | 17.766M               |
| 2462MHz                           | Pass   | 500k          | 17.6M                  | 17.791M               | 17.575M                | 17.791M               | 17.55M                 | 17.741M               | 17.6M                  | 17.766M               |
| HE20,BF_Nss1,(MCS0)_4TX           | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2412MHz                           | Pass   | 500k          | 18.9M                  | 19.015M               | 19M                    | 18.916M               | 18.925M                | 18.941M               | 18.95M                 | 18.941M               |
| 2437MHz                           | Pass   | 500k          | 18.925M                | 18.966M               | 18.975M                | 18.941M               | 19.025M                | 18.966M               | 18.975M                | 18.991M               |
| 2462MHz                           | Pass   | 500k          | 18.95M                 | 18.966M               | 18.925M                | 18.966M               | 18.95M                 | 18.941M               | 19M                    | 19.015M               |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2422MHz                           | Pass   | 500k          | 36.35M                 | 36.282M               | 36.3M                  | 36.182M               | 36.35M                 | 36.232M               | 36.35M                 | 36.282M               |
| 2437MHz                           | Pass   | 500k          | 36.3M                  | 36.132M               | 36.3M                  | 36.132M               | 36.3M                  | 36.282M               | 36.35M                 | 36.232M               |
| 2452MHz                           | Pass   | 500k          | 36.35M                 | 36.232M               | 36.3M                  | 36.132M               | 36.35M                 | 36.032M               | 36.35M                 | 36.282M               |
| HE40,BF_Nss1,(MCS0)_4TX           | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2422MHz                           | Pass   | 500k          | 37.55M                 | 37.681M               | 37.8M                  | 37.481M               | 37.3M                  | 37.481M               | 37.4M                  | 37.481M               |
| 2437MHz                           | Pass   | 500k          | 36.45M                 | 37.431M               | 37.45M                 | 37.481M               | 37.1M                  | 37.581M               | 37.5M                  | 37.481M               |
| 2452MHz                           | Pass   | 500k          | 36.75M                 | 37.581M               | 37.1M                  | 37.531M               | 36.5M                  | 37.481M               | 37.7M                  | 37.581M               |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2412MHz                           | Pass   | 500k          | 17.575M                | 17.741M               | 17.55M                 | 17.741M               | 17.575M                | 17.691M               | 17.575M                | 17.716M               |
| 2437MHz                           | Pass   | 500k          | 17.6M                  | 17.766M               | 17.55M                 | 17.716M               | 17.6M                  | 17.766M               | 17.6M                  | 17.716M               |
| 2462MHz                           | Pass   | 500k          | 17.575M                | 17.766M               | 17.575M                | 17.766M               | 17.525M                | 17.791M               | 17.625M                | 17.816M               |
| HE20,BF_Nss2,(MCS0)_4TX           | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2412MHz                           | Pass   | 500k          | 19.1M                  | 18.991M               | 18.975M                | 18.941M               | 18.925M                | 18.891M               | 18.875M                | 18.941M               |
| 2437MHz                           | Pass   | 500k          | 18.85M                 | 18.991M               | 19M                    | 18.966M               | 18.9M                  | 18.991M               | 18.975M                | 18.991M               |
| 2462MHz                           | Pass   | 500k          | 18.95M                 | 19.015M               | 19M                    | 18.966M               | 18.85M                 | 18.991M               | 19.05M                 | 19.015M               |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2422MHz                           | Pass   | 500k          | 36.35M                 | 36.282M               | 36.3M                  | 36.132M               | 36.35M                 | 36.282M               | 36.4M                  | 36.232M               |
| 2437MHz                           | Pass   | 500k          | 36.3M                  | 36.082M               | 36.35M                 | 36.232M               | 36.4M                  | 36.332M               | 36.3M                  | 36.282M               |
| 2452MHz                           | Pass   | 500k          | 36.35M                 | 36.232M               | 36.3M                  | 36.232M               | 36.35M                 | 36.082M               | 36.25M                 | 36.232M               |
| HE40,BF_Nss2,(MCS0)_4TX           | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 2422MHz                           | Pass   | 500k          | 37.6M                  | 37.631M               | 37.5M                  | 37.431M               | 36.75M                 | 37.581M               | 37.35M                 | 37.531M               |



## EBW Result

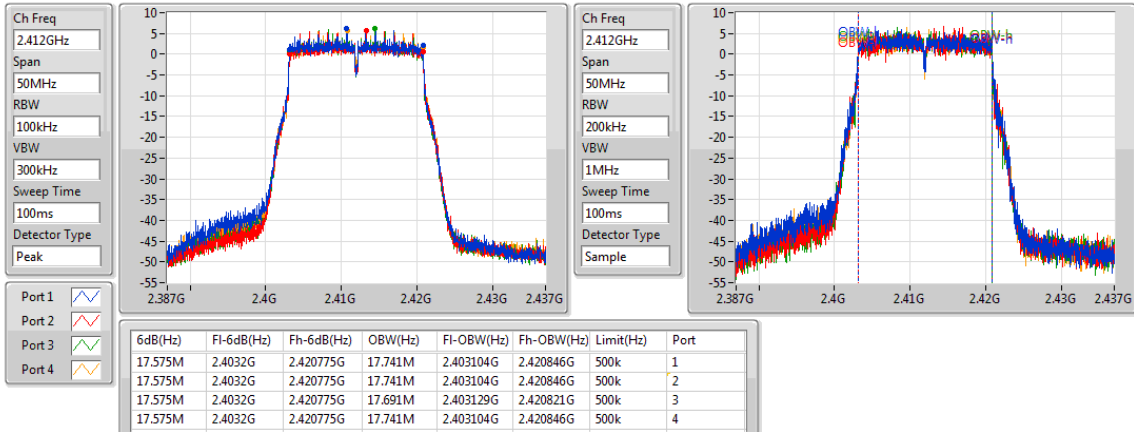
## Appendix A

| Mode    | Result | Limit<br>(Hz) | Port 1-N<br>dB<br>(Hz) | Port<br>1-OBW<br>(Hz) | Port 2-N<br>dB<br>(Hz) | Port<br>2-OBW<br>(Hz) | Port 3-N<br>dB<br>(Hz) | Port<br>3-OBW<br>(Hz) | Port 4-N<br>dB<br>(Hz) | Port<br>4-OBW<br>(Hz) |
|---------|--------|---------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|
| 2437MHz | Pass   | 500k          | 37.3M                  | 37.431M               | 37.2M                  | 37.631M               | 37.3M                  | 37.631M               | 37.6M                  | 37.531M               |
| 2452MHz | Pass   | 500k          | 37.1M                  | 37.481M               | 37.4M                  | 37.481M               | 37.75M                 | 37.431M               | 37.45M                 | 37.481M               |

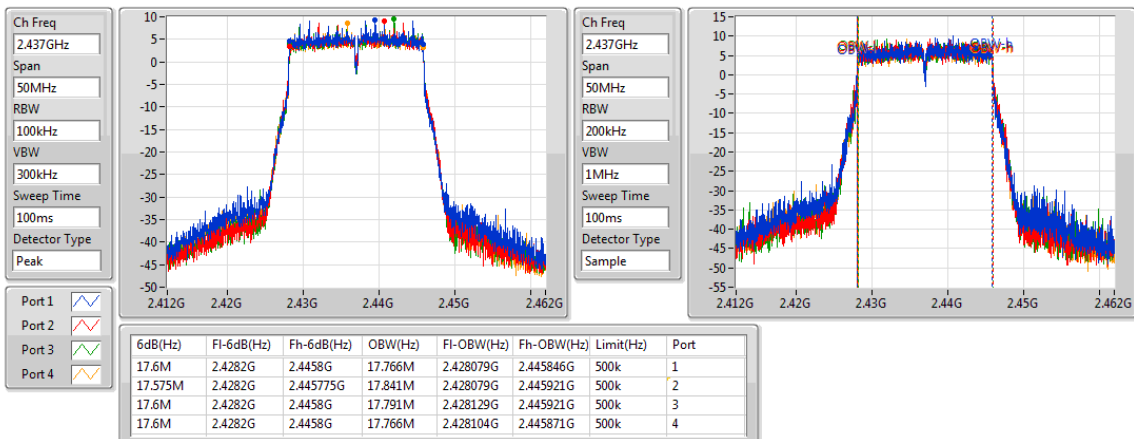
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

**802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2412MHz**

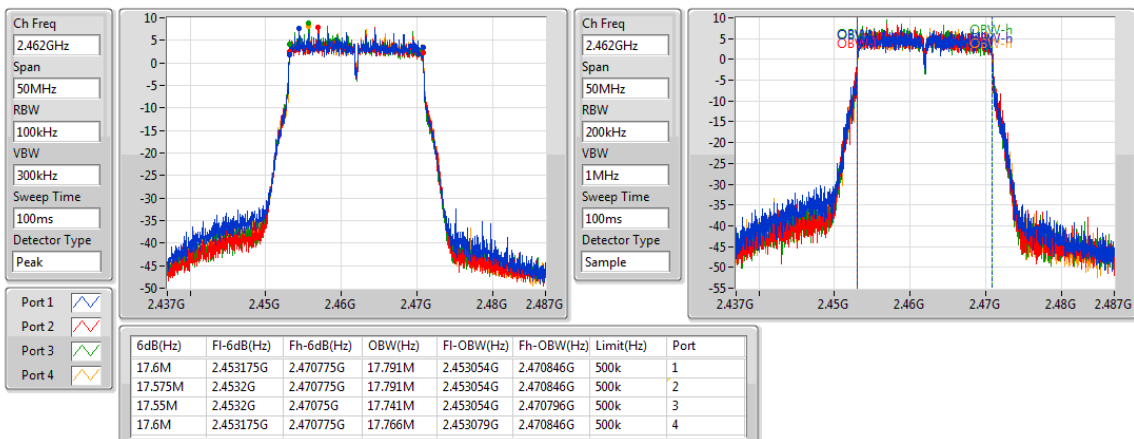
26/01/2018


**802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018

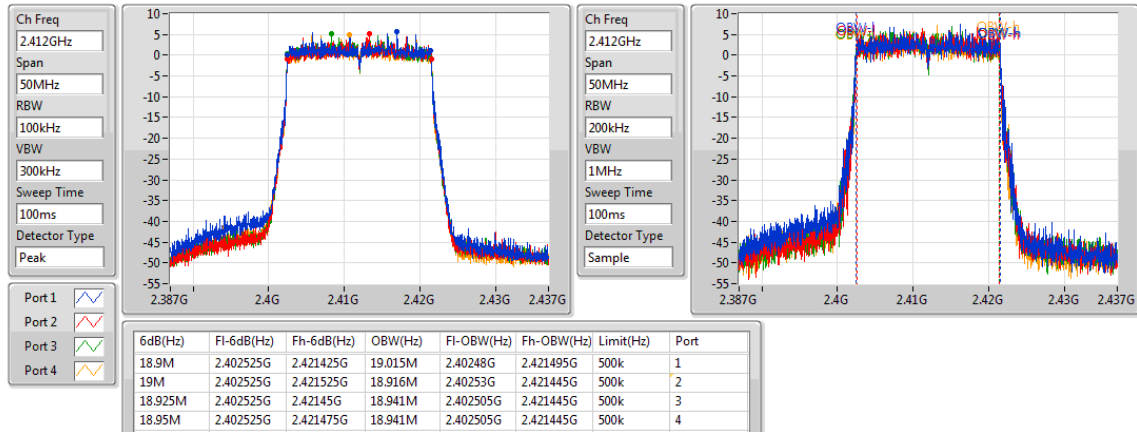

**802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2462MHz**

26/01/2018

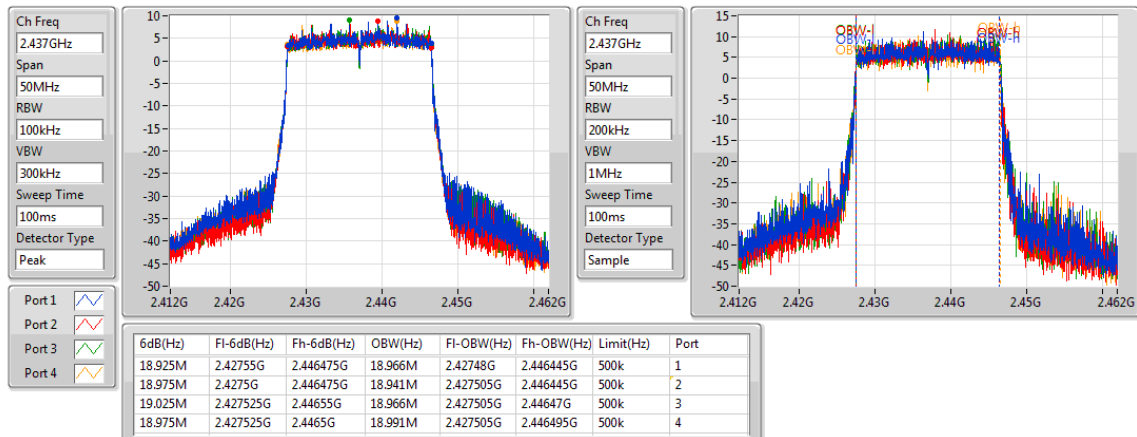


**HE20,BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2412MHz**

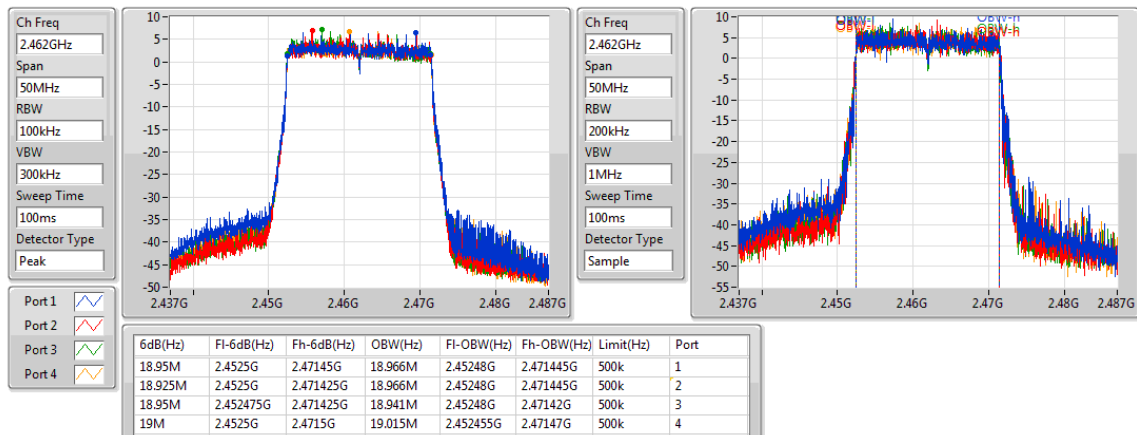
26/01/2018


**HE20,BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018

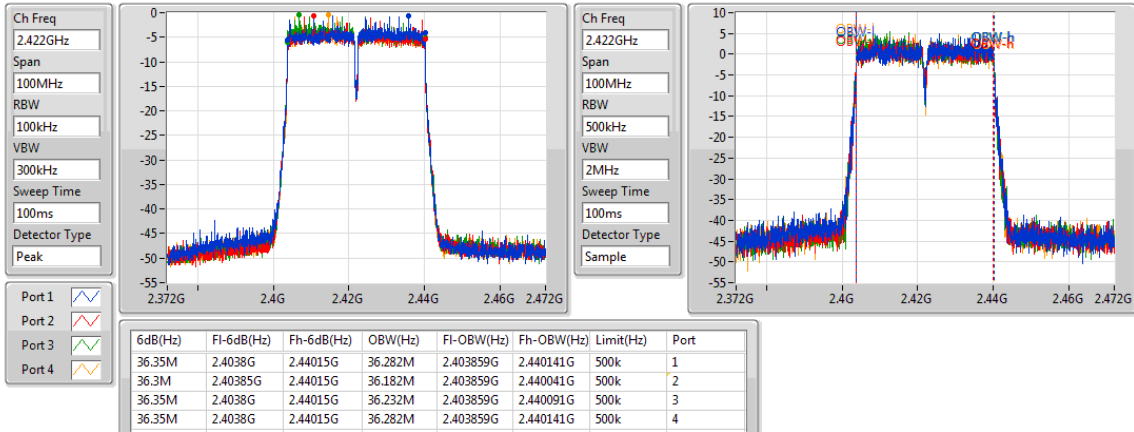

**HE20,BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2462MHz**

26/01/2018

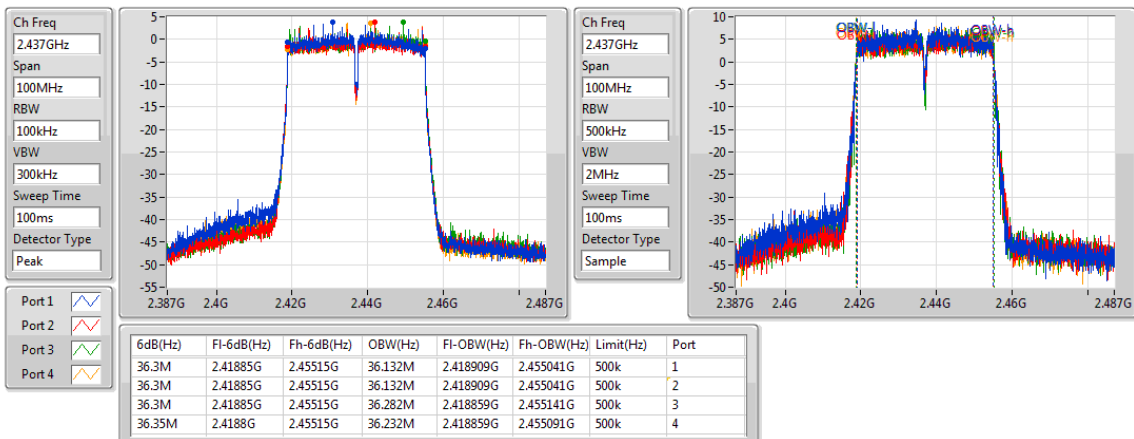


**802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2422MHz**

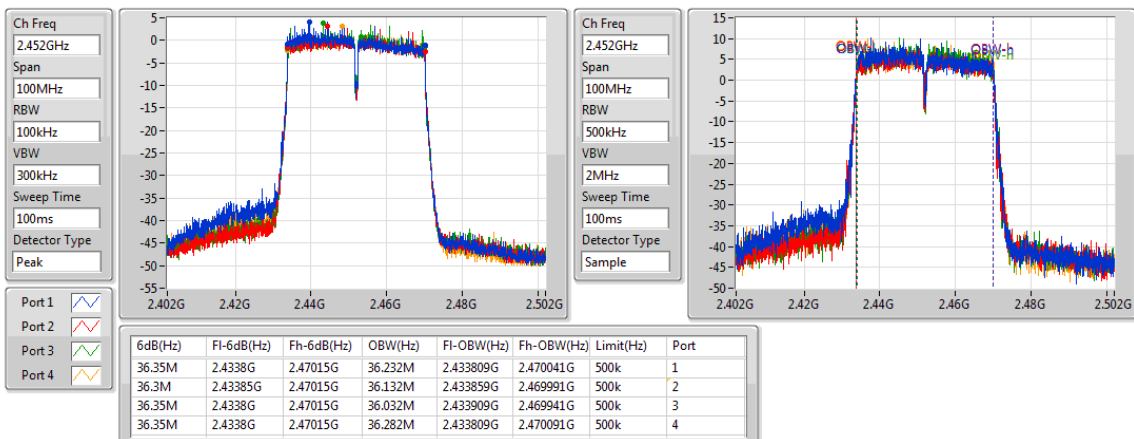
26/01/2018


**802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018

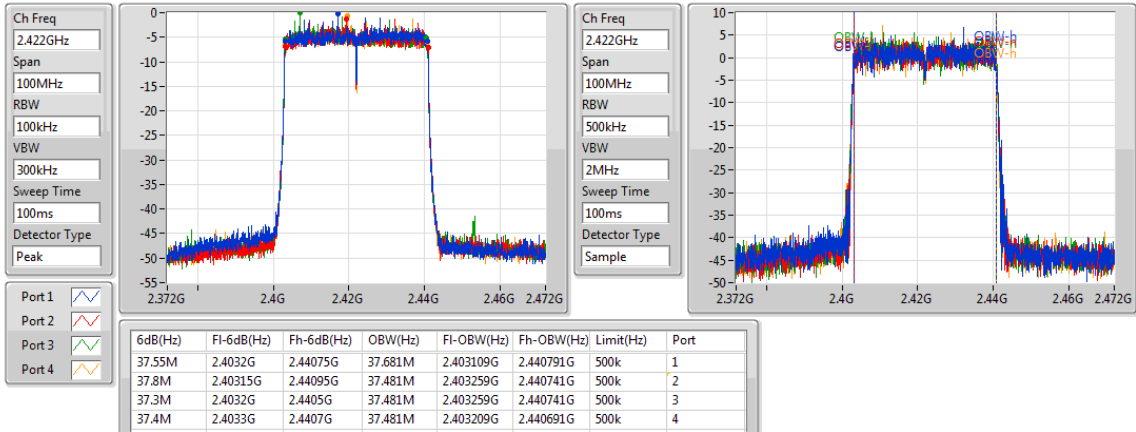

**802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2452MHz**

26/01/2018

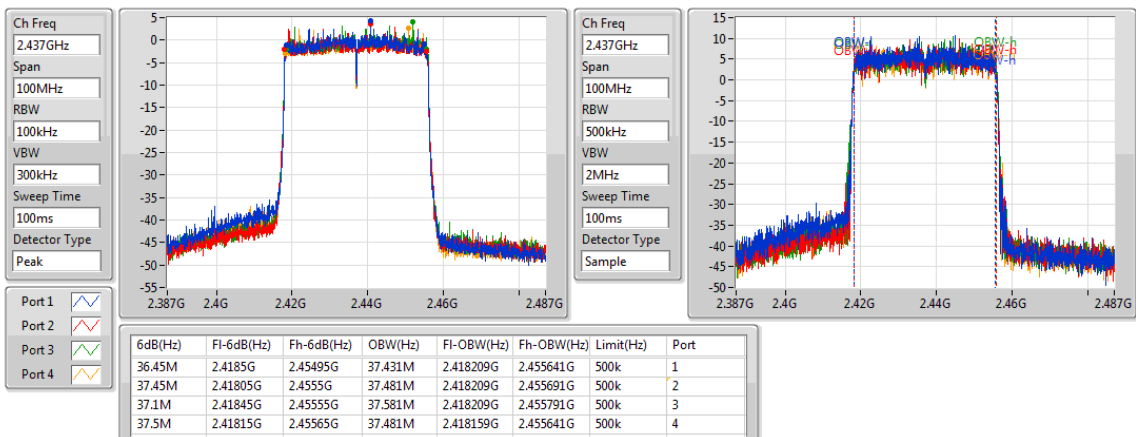


**HE40,BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2422MHz**

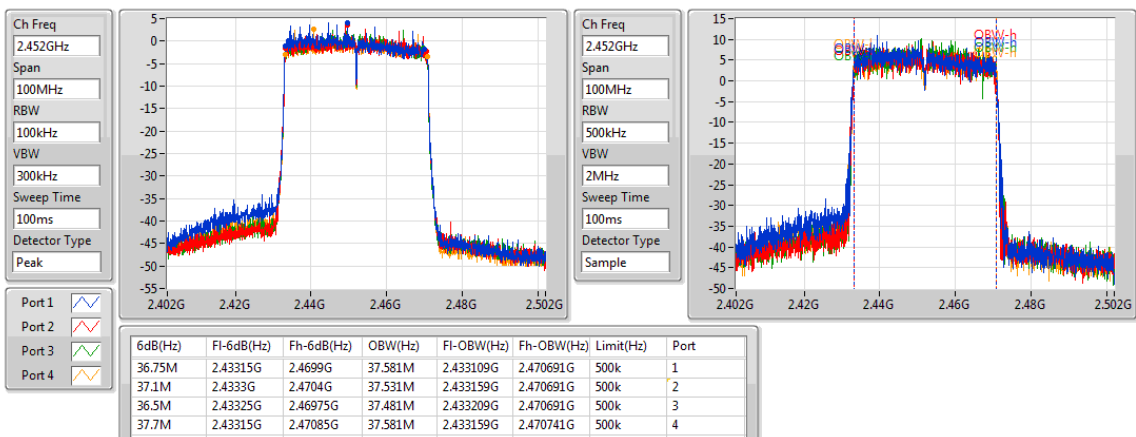
26/01/2018


**HE40,BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018

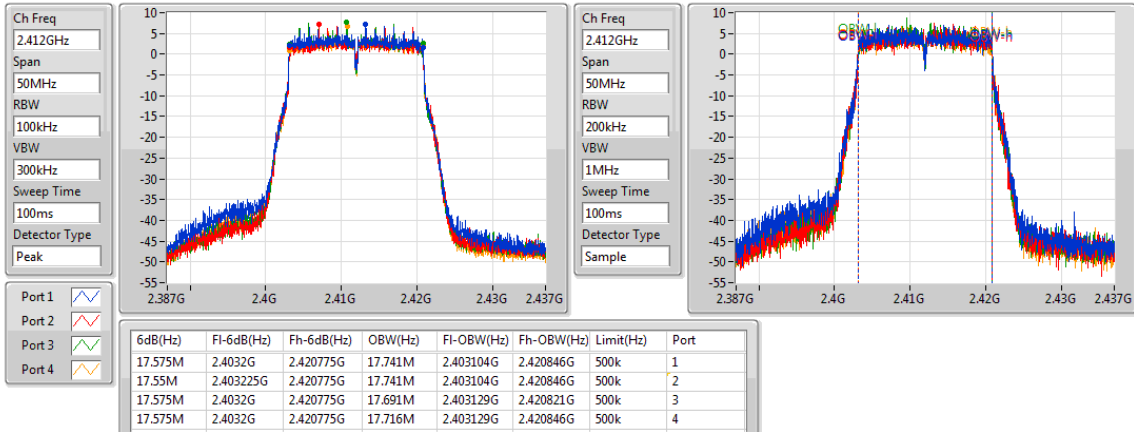

**HE40,BF\_Nss1,(MCS0)\_4TX**
**EBW**
**2452MHz**

26/01/2018

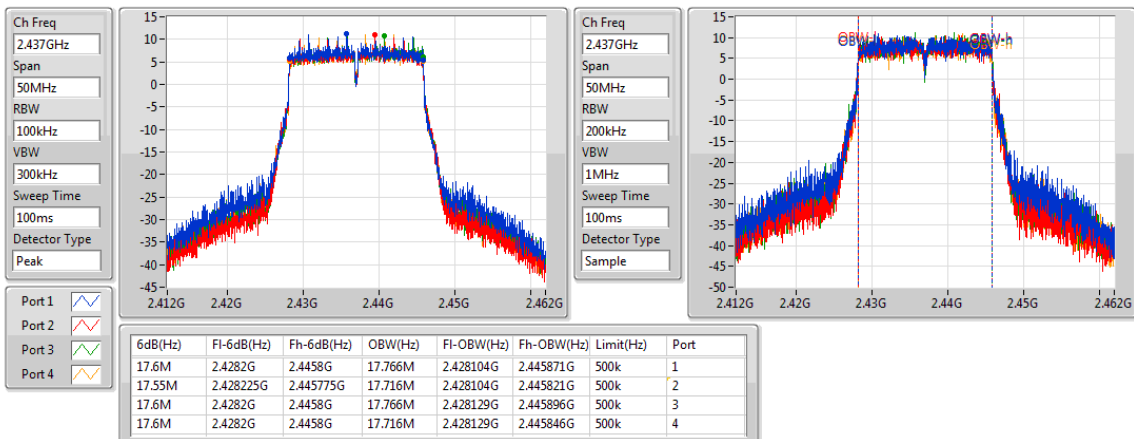


**802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2412MHz**

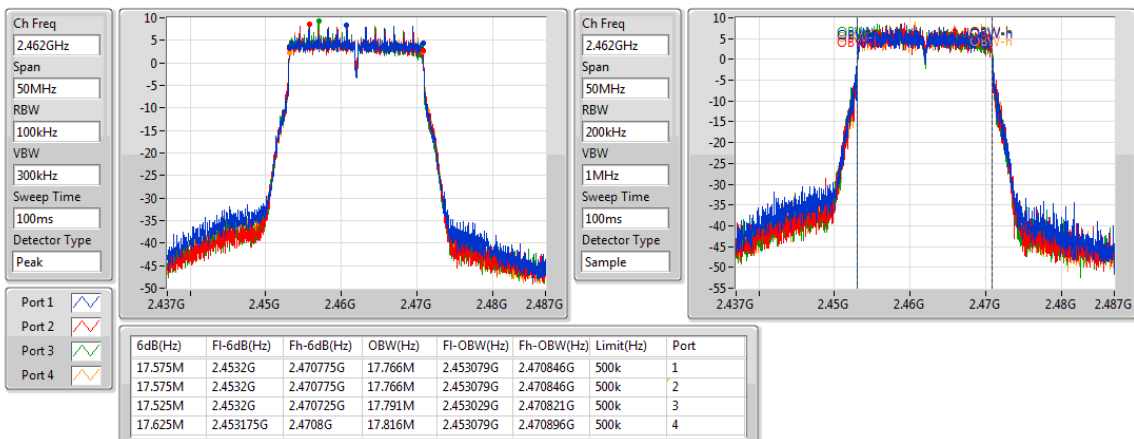
26/01/2018


**802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018

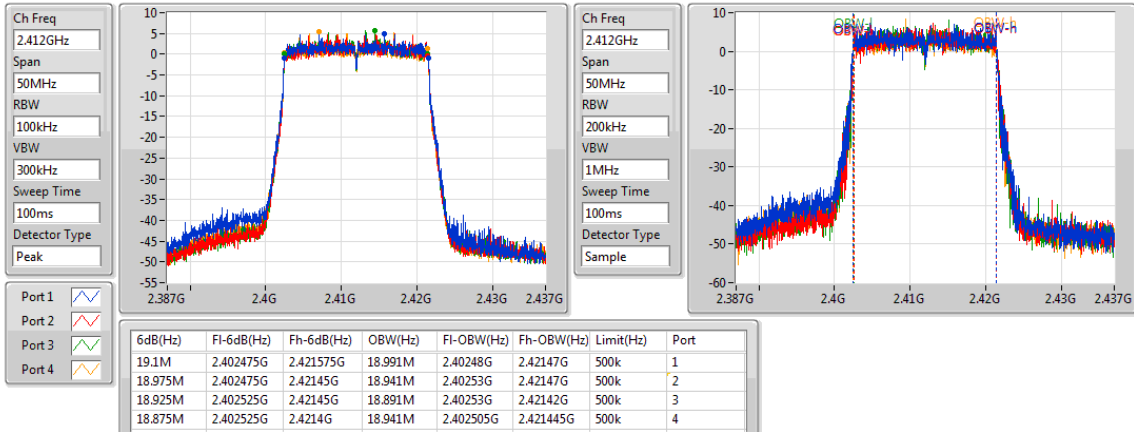

**802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2462MHz**

26/01/2018

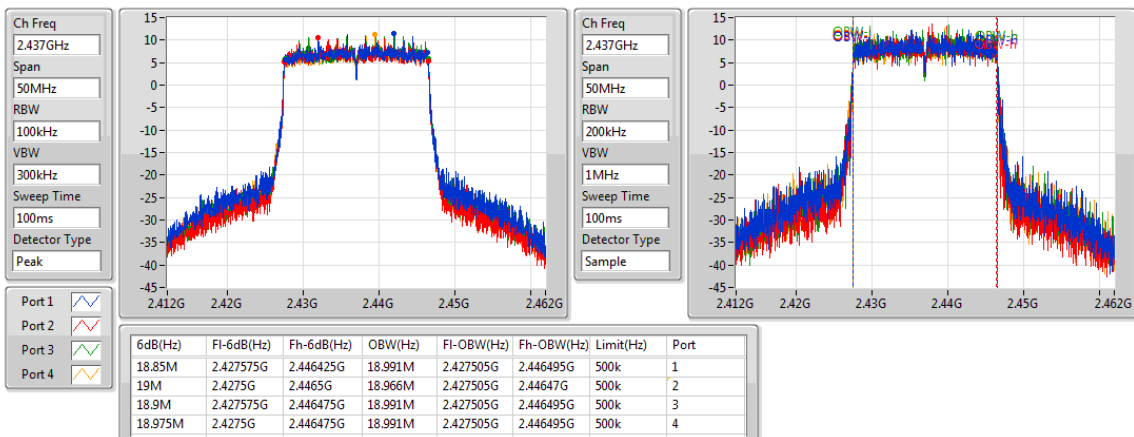


**HE20,BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2412MHz**

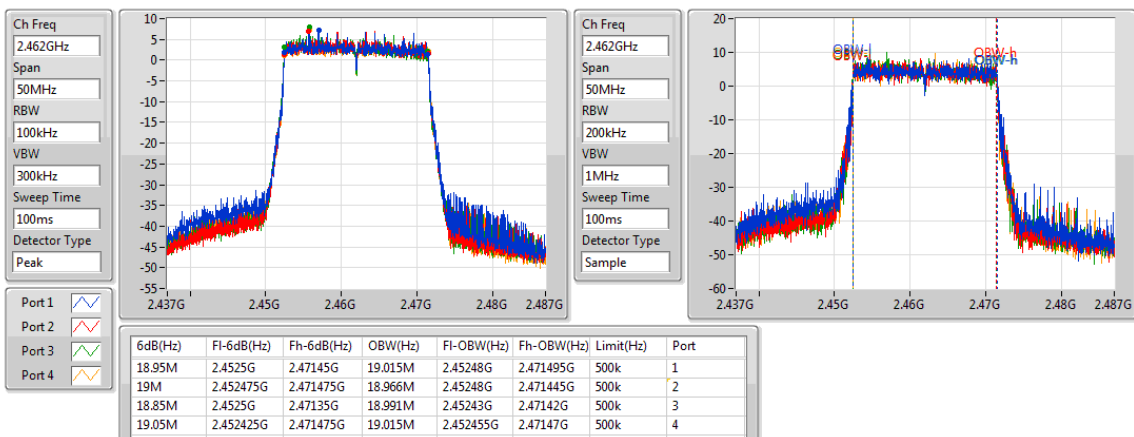
26/01/2018


**HE20,BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018

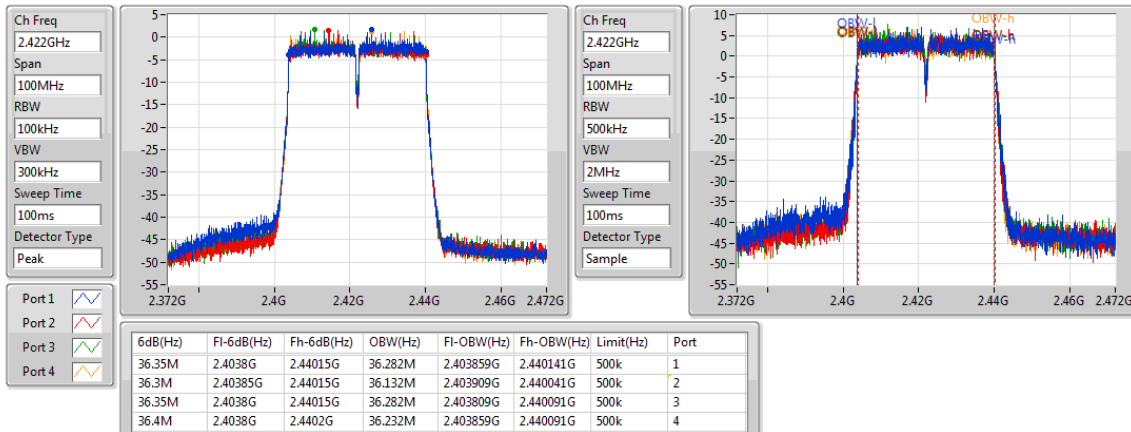

**HE20,BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2462MHz**

26/01/2018

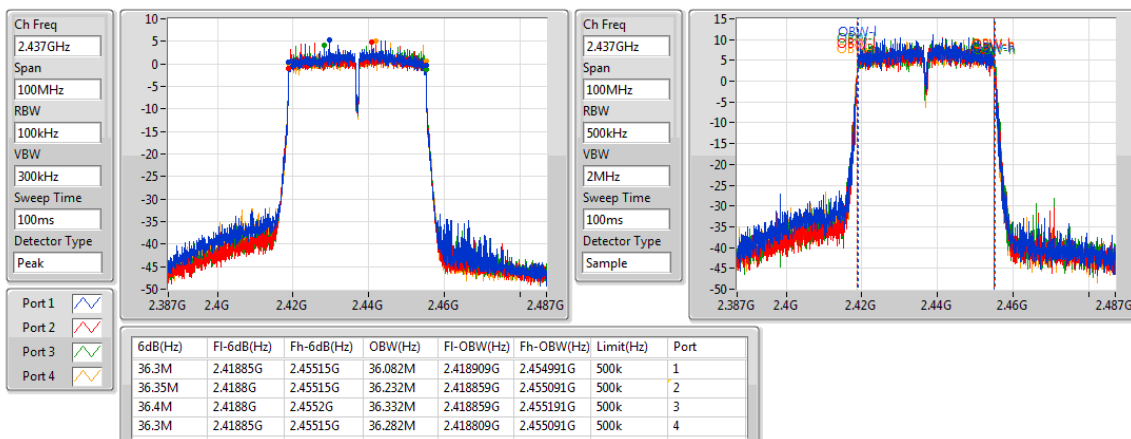


**802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2422MHz**

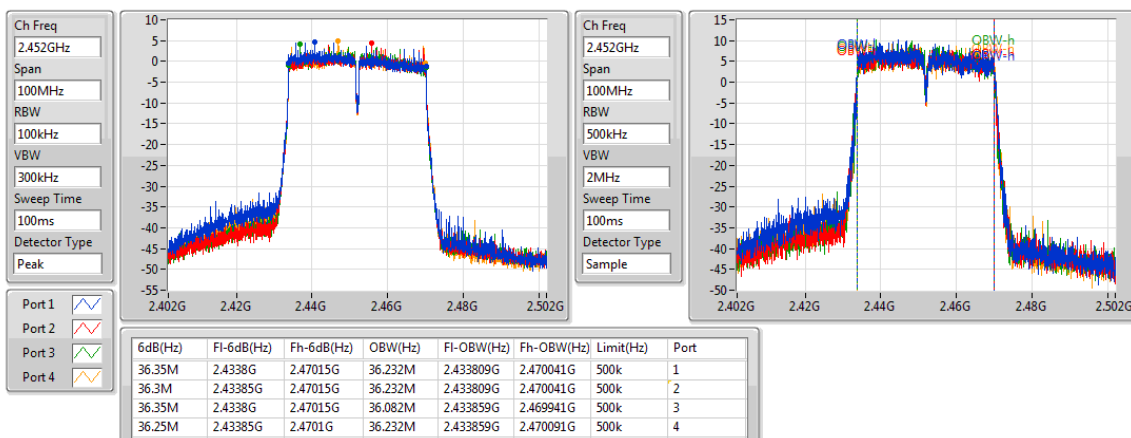
26/01/2018


**802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018

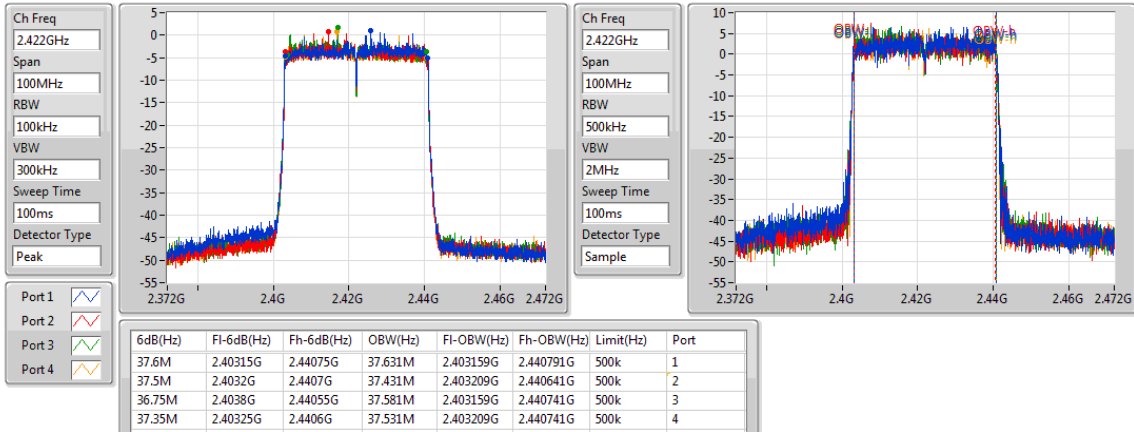

**802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2452MHz**

26/01/2018

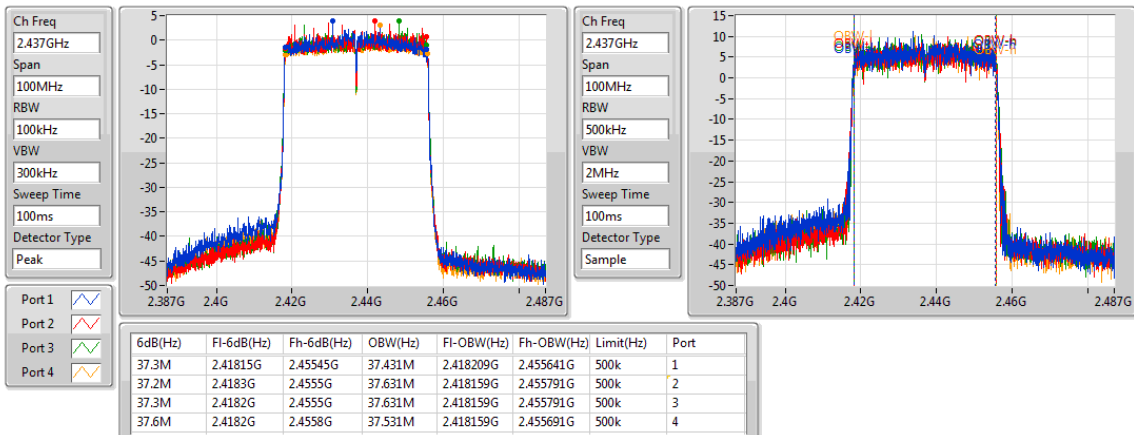


**HE40,BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2422MHz**

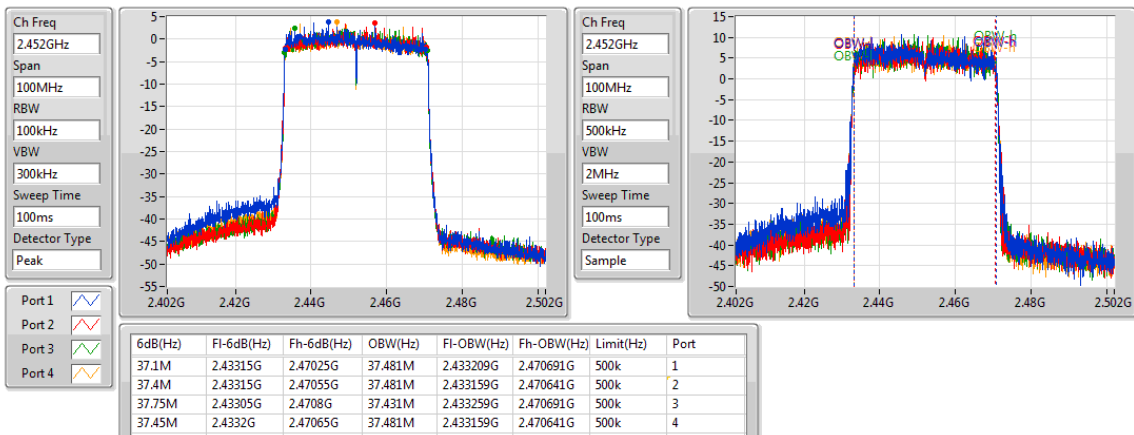
26/01/2018


**HE40,BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2437MHz**

26/01/2018


**HE40,BF\_Nss2,(MCS0)\_4TX**
**EBW**
**2452MHz**

26/01/2018



**Summary**

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 2.4-2.4835GHz                     | -                    | -                  |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 28.00                | 0.63096            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 25.47                | 0.35237            |
| HE20,BF_Nss1,(MCS0)_4TX           | 27.90                | 0.61660            |
| HE40,BF_Nss1,(MCS0)_4TX           | 25.47                | 0.35237            |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | 29.80                | 0.95499            |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | 27.33                | 0.54075            |
| HE20,BF_Nss2,(MCS0)_4TX           | 29.80                | 0.95499            |
| HE40,BF_Nss2,(MCS0)_4TX           | 26.37                | 0.43351            |

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Port 3<br>(dBm) | Port 4<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.96        | 20.32           | 19.95           | 20.28           | 19.73           | 26.10                | 28.04                |
| 2417MHz                           | Pass   | 7.96        | 21.94           | 21.63           | 21.91           | 21.55           | 27.78                | 28.04                |
| 2422MHz                           | Pass   | 7.96        | 22.16           | 21.85           | 22.12           | 21.69           | 27.98                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 22.28           | 21.93           | 21.95           | 21.74           | 28.00                | 28.04                |
| 2452MHz                           | Pass   | 7.96        | 21.95           | 21.83           | 21.98           | 21.86           | 27.93                | 28.04                |
| 2457MHz                           | Pass   | 7.96        | 21.94           | 21.66           | 21.82           | 21.74           | 27.81                | 28.04                |
| 2462MHz                           | Pass   | 7.96        | 19.47           | 19.34           | 19.68           | 19.31           | 25.47                | 28.04                |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.96        | 15.41           | 15.13           | 15.62           | 15.07           | 21.33                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 19.36           | 18.82           | 19.31           | 18.79           | 25.10                | 28.04                |
| 2452MHz                           | Pass   | 7.96        | 19.59           | 19.23           | 19.76           | 19.18           | 25.47                | 28.04                |
| 2427MHz                           | Pass   | 7.96        | 16.25           | 16.08           | 16.42           | 16.04           | 22.22                | 28.04                |
| 2432MHz                           | Pass   | 7.96        | 18.43           | 18.26           | 18.38           | 17.89           | 24.27                | 28.04                |
| HE20,BF_Nss1,(MCS0)_4TX           | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 7.96        | 18.16           | 17.83           | 18.19           | 17.81           | 24.02                | 28.04                |
| 2417MHz                           | Pass   | 7.96        | 21.66           | 20.87           | 21.32           | 21.02           | 27.25                | 28.04                |
| 2422MHz                           | Pass   | 7.96        | 21.95           | 21.63           | 21.97           | 21.56           | 27.80                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 22.06           | 21.75           | 22.07           | 21.61           | 27.90                | 28.04                |
| 2452MHz                           | Pass   | 7.96        | 21.84           | 21.63           | 22.12           | 21.59           | 27.82                | 28.04                |
| 2457MHz                           | Pass   | 7.96        | 20.79           | 20.71           | 20.84           | 20.63           | 26.76                | 28.04                |
| 2462MHz                           | Pass   | 7.96        | 19.06           | 18.69           | 18.92           | 18.82           | 24.90                | 28.04                |
| HE40,BF_Nss1,(MCS0)_4TX           | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 7.96        | 16.86           | 16.68           | 17.02           | 16.71           | 22.84                | 28.04                |
| 2437MHz                           | Pass   | 7.96        | 19.74           | 19.31           | 19.55           | 19.18           | 25.47                | 28.04                |
| 2452MHz                           | Pass   | 7.96        | 19.52           | 18.87           | 19.34           | 19.02           | 25.22                | 28.04                |
| 2427MHz                           | Pass   | 7.96        | 15.81           | 15.52           | 15.92           | 15.46           | 21.70                | 28.04                |
| 2432MHz                           | Pass   | 7.96        | 17.25           | 16.86           | 17.26           | 16.81           | 23.07                | 28.04                |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 4.95        | 19.73           | 19.39           | 19.95           | 19.45           | 25.66                | 30.00                |
| 2417MHz                           | Pass   | 4.95        | 22.64           | 22.07           | 22.46           | 22.15           | 28.36                | 30.00                |
| 2422MHz                           | Pass   | 4.95        | 23.62           | 23.23           | 23.51           | 23.04           | 29.38                | 30.00                |



## AV Power Result

## Appendix B

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Port 3<br>(dBm) | Port 4<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 2437MHz                           | Pass   | 4.95        | 24.05           | 23.54           | 23.83           | 23.67           | 29.80                | 30.00                |
| 2452MHz                           | Pass   | 4.95        | 23.49           | 22.95           | 23.21           | 23.13           | 29.22                | 30.00                |
| 2457MHz                           | Pass   | 4.95        | 22.16           | 21.79           | 22.12           | 21.85           | 28.00                | 30.00                |
| 2462MHz                           | Pass   | 4.95        | 20.62           | 20.43           | 20.79           | 20.58           | 26.63                | 30.00                |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 4.95        | 17.57           | 17.32           | 17.67           | 17.34           | 23.50                | 30.00                |
| 2437MHz                           | Pass   | 4.95        | 21.59           | 21.09           | 21.38           | 21.15           | 27.33                | 30.00                |
| 2452MHz                           | Pass   | 4.95        | 20.67           | 20.21           | 20.48           | 20.18           | 26.41                | 30.00                |
| 2427MHz                           | Pass   | 4.95        | 18.41           | 18.26           | 18.56           | 18.03           | 24.34                | 30.00                |
| 2432MHz                           | Pass   | 4.95        | 19.58           | 19.23           | 19.65           | 19.19           | 25.44                | 30.00                |
| HE20,BF_Nss2,(MCS0)_4TX           | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2412MHz                           | Pass   | 4.95        | 19.95           | 19.74           | 19.78           | 19.59           | 25.79                | 30.00                |
| 2417MHz                           | Pass   | 4.95        | 21.84           | 21.37           | 21.65           | 21.41           | 27.59                | 30.00                |
| 2422MHz                           | Pass   | 4.95        | 23.45           | 23.08           | 23.23           | 22.87           | 29.18                | 30.00                |
| 2427MHz                           | Pass   | 4.95        | 24.03           | 23.54           | 23.88           | 23.65           | 29.80                | 30.00                |
| 2437MHz                           | Pass   | 4.95        | 23.84           | 23.60           | 23.80           | 23.54           | 29.72                | 30.00                |
| 2452MHz                           | Pass   | 4.95        | 23.42           | 23.38           | 23.48           | 23.25           | 29.40                | 30.00                |
| 2457MHz                           | Pass   | 4.95        | 22.53           | 22.41           | 22.62           | 22.21           | 28.47                | 30.00                |
| 2462MHz                           | Pass   | 4.95        | 19.85           | 19.64           | 19.94           | 19.71           | 25.81                | 30.00                |
| HE40,BF_Nss2,(MCS0)_4TX           | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 2422MHz                           | Pass   | 4.95        | 17.42           | 17.14           | 17.55           | 17.12           | 23.33                | 30.00                |
| 2437MHz                           | Pass   | 4.95        | 20.52           | 20.17           | 20.64           | 20.02           | 26.37                | 30.00                |
| 2452MHz                           | Pass   | 4.95        | 19.85           | 19.24           | 19.47           | 19.35           | 25.50                | 30.00                |
| 2427MHz                           | Pass   | 4.95        | 18.43           | 18.18           | 18.45           | 18.06           | 24.30                | 30.00                |
| 2432MHz                           | Pass   | 4.95        | 18.11           | 17.89           | 18.34           | 17.81           | 24.06                | 30.00                |

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

**Summary**

| Mode                              | PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|
| 2.4-2.4835GHz                     | -               |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 1.92            |
| HE20,BF_Nss1,(MCS0)_4TX           | 1.06            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -4.22           |
| HE40,BF_Nss1,(MCS0)_4TX           | -5.71           |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | 2.02            |
| HE20,BF_Nss2,(MCS0)_4TX           | 1.72            |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | -1.96           |
| HE40,BF_Nss2,(MCS0)_4TX           | -2.80           |

RBW=3kHz.

**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                           | Pass   | 7.96        | -5.22               | -1.88               | -5.06               | -6.29               | 0.30            | 6.04                  |
| 2437MHz                           | Pass   | 7.96        | -3.45               | -3.22               | -3.65               | -3.94               | 1.92            | 6.04                  |
| 2462MHz                           | Pass   | 7.96        | -6.58               | -4.32               | -5.29               | -6.49               | -1.18           | 6.04                  |
| HE20,BF_Nss1,(MCS0)_4TX           | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                           | Pass   | 7.96        | -6.94               | -7.78               | -9.04               | -7.82               | -3.57           | 6.04                  |
| 2437MHz                           | Pass   | 7.96        | -5.67               | -3.78               | -3.65               | -4.19               | 1.06            | 6.04                  |
| 2462MHz                           | Pass   | 7.96        | -6.06               | -4.62               | -5.18               | -7.03               | -1.73           | 6.04                  |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2422MHz                           | Pass   | 7.96        | -13.39              | -13.79              | -12.31              | -13.90              | -8.88           | 6.04                  |
| 2437MHz                           | Pass   | 7.96        | -9.68               | -10.09              | -9.78               | -10.41              | -5.56           | 6.04                  |
| 2452MHz                           | Pass   | 7.96        | -9.30               | -9.46               | -8.92               | -10.36              | -4.22           | 6.04                  |
| HE40,BF_Nss1,(MCS0)_4TX           | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2422MHz                           | Pass   | 7.96        | -11.21              | -12.30              | -9.86               | -11.98              | -6.34           | 6.04                  |
| 2437MHz                           | Pass   | 7.96        | -10.57              | -11.27              | -11.03              | -11.07              | -5.86           | 6.04                  |
| 2452MHz                           | Pass   | 7.96        | -9.77               | -11.17              | -9.94               | -11.34              | -5.71           | 6.04                  |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                           | Pass   | 4.95        | -6.64               | -3.82               | -5.97               | -6.27               | -1.02           | 8.00                  |
| 2437MHz                           | Pass   | 4.95        | -2.42               | -1.79               | -2.89               | -2.84               | 2.02            | 8.00                  |
| 2462MHz                           | Pass   | 4.95        | -4.81               | -3.77               | -4.43               | -5.26               | -0.12           | 8.00                  |
| HE20,BF_Nss2,(MCS0)_4TX           | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2412MHz                           | Pass   | 4.95        | -6.32               | -2.37               | -6.56               | -6.95               | -0.27           | 8.00                  |
| 2437MHz                           | Pass   | 4.95        | -2.85               | -3.50               | -2.92               | -3.43               | 1.72            | 8.00                  |
| 2462MHz                           | Pass   | 4.95        | -4.36               | -5.13               | -5.32               | -6.53               | 0.34            | 8.00                  |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2422MHz                           | Pass   | 4.95        | -11.35              | -10.96              | -11.20              | -11.97              | -6.30           | 8.00                  |
| 2437MHz                           | Pass   | 4.95        | -6.50               | -6.16               | -6.45               | -7.77               | -1.96           | 8.00                  |
| 2452MHz                           | Pass   | 4.95        | -8.11               | -8.46               | -8.39               | -9.04               | -3.98           | 8.00                  |
| HE40,BF_Nss2,(MCS0)_4TX           | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 2422MHz                           | Pass   | 4.95        | -11.63              | -10.68              | -10.28              | -11.97              | -5.84           | 8.00                  |
| 2437MHz                           | Pass   | 4.95        | -7.70               | -8.77               | -8.33               | -7.47               | -2.80           | 8.00                  |



## PSD Result

## Appendix C

| Mode    | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|---------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 2452MHz | Pass   | 4.95        | -9.18               | -9.79               | -10.17              | -9.81               | -4.24           | 8.00                  |

DG = Directional Gain; RBW=3kHz;

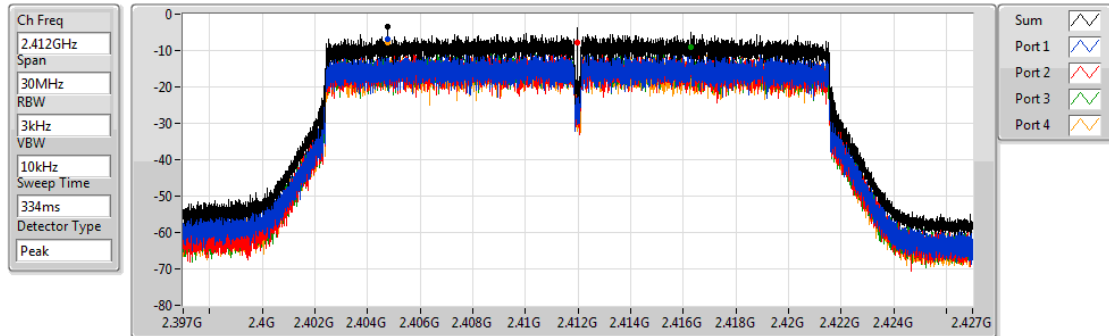
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

### HE20,BF\_Nss1,(MCS0)\_4TX

2412MHz

PSD

26/01/2018



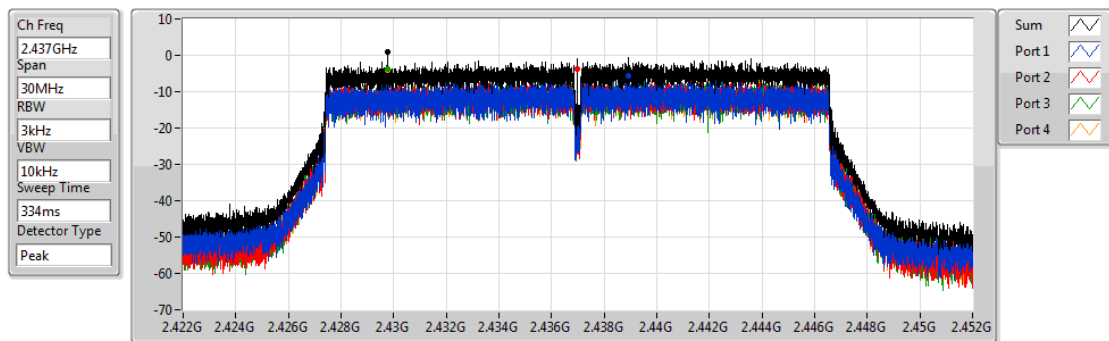
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -3.57     | -3.57     | -6.94     | -7.78     | -9.04     | -7.82     |

### HE20,BF\_Nss1,(MCS0)\_4TX

2437MHz

PSD

26/01/2018



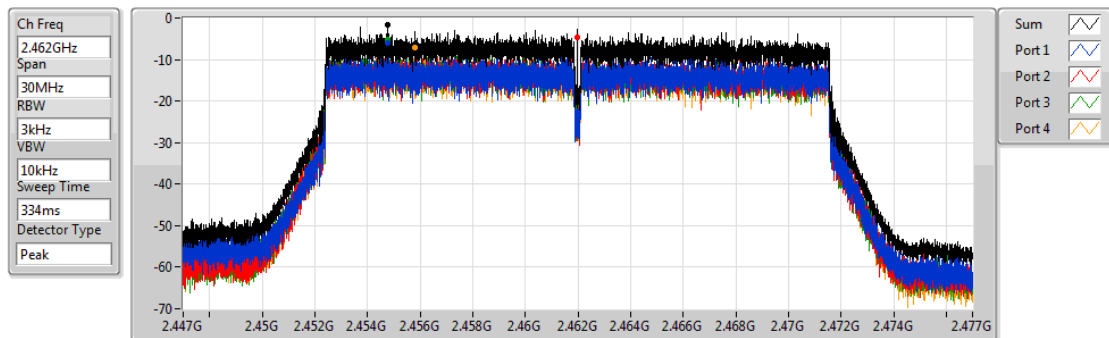
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.06      | 1.06      | -5.67     | -3.78     | -3.65     | -4.19     |

### HE20,BF\_Nss1,(MCS0)\_4TX

2462MHz

PSD

21/02/2018

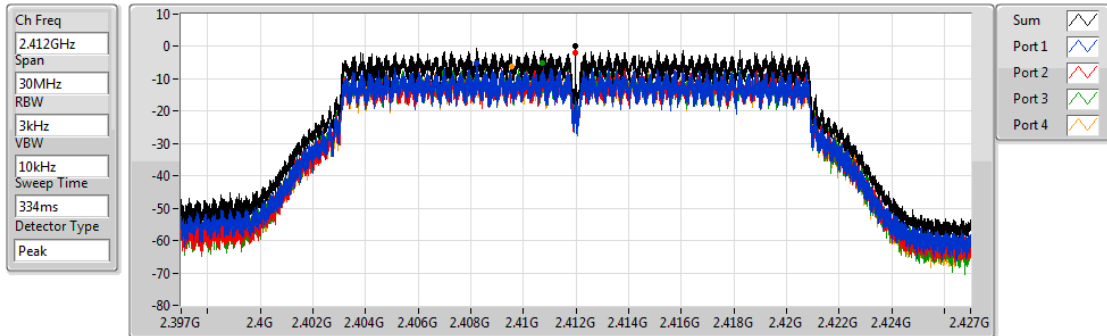


| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.73     | -1.73     | -6.06     | -4.62     | -5.18     | -7.03     |

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

2412MHz

21/02/2018

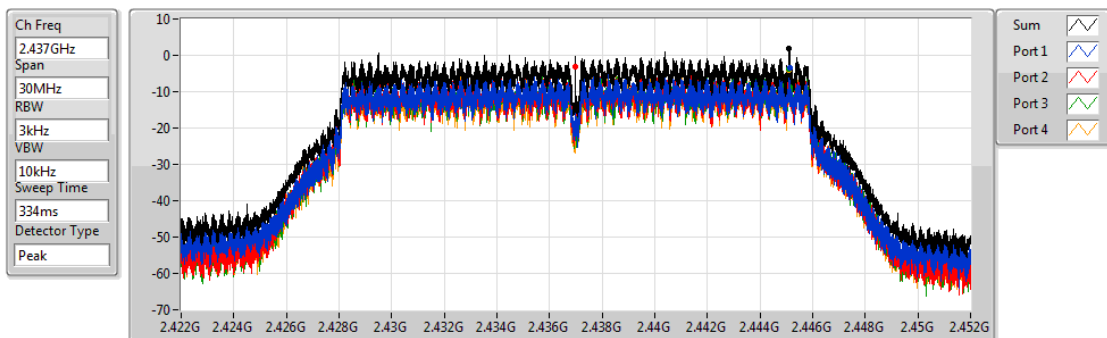


| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 0.30         | 0.30         | -5.22        | -1.88        | -5.06        | -6.29        |

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

2437MHz

26/01/2018

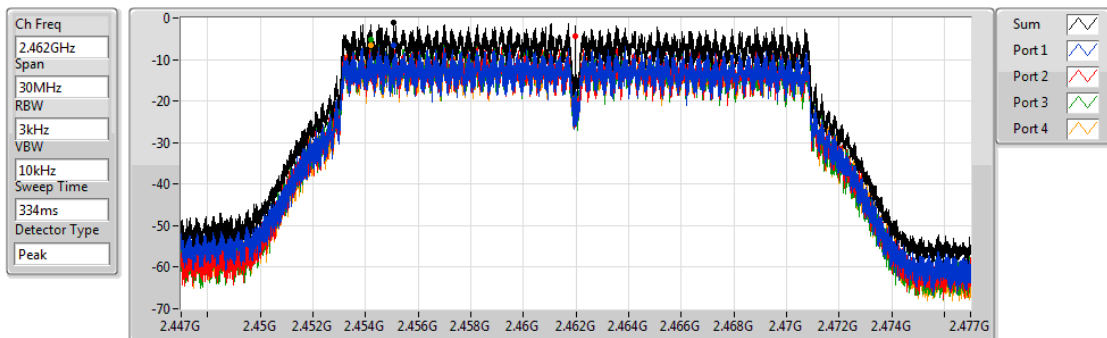


| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 1.92         | 1.92         | -3.45        | -3.22        | -3.65        | -3.94        |

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

2462MHz

21/02/2018

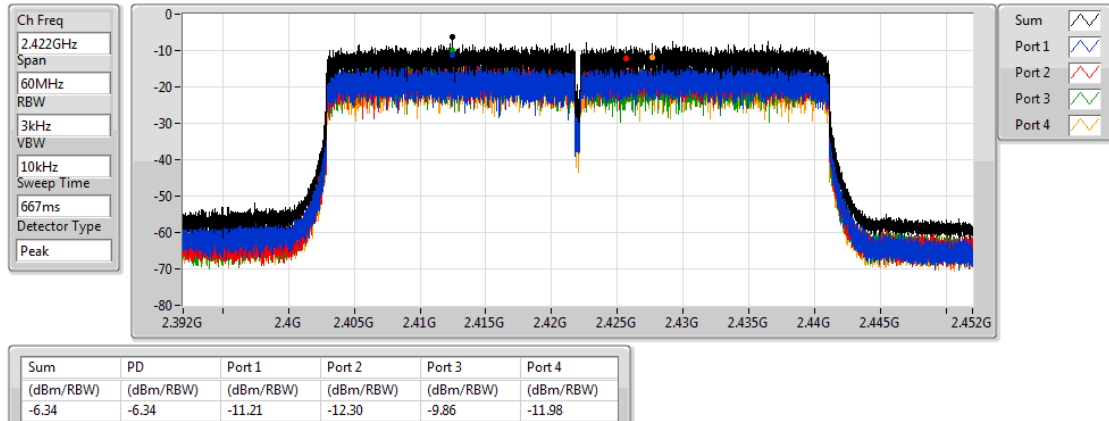


| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -1.18        | -1.18        | -6.58        | -4.32        | -5.29        | -6.49        |

### HE40,BF\_Nss1,(MCS0)\_4TX

2422MHz

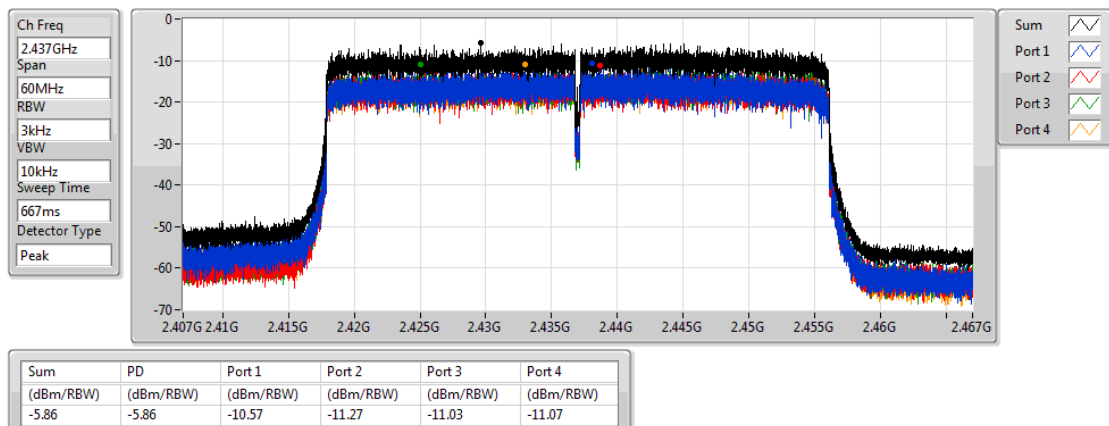
21/02/2018



### HE40,BF\_Nss1,(MCS0)\_4TX

2437MHz

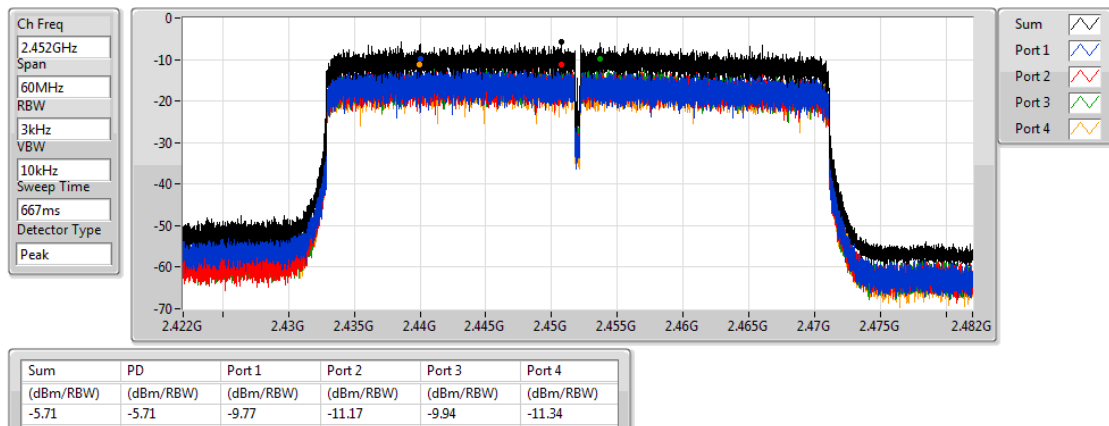
26/01/2018



### HE40,BF\_Nss1,(MCS0)\_4TX

2452MHz

26/01/2018

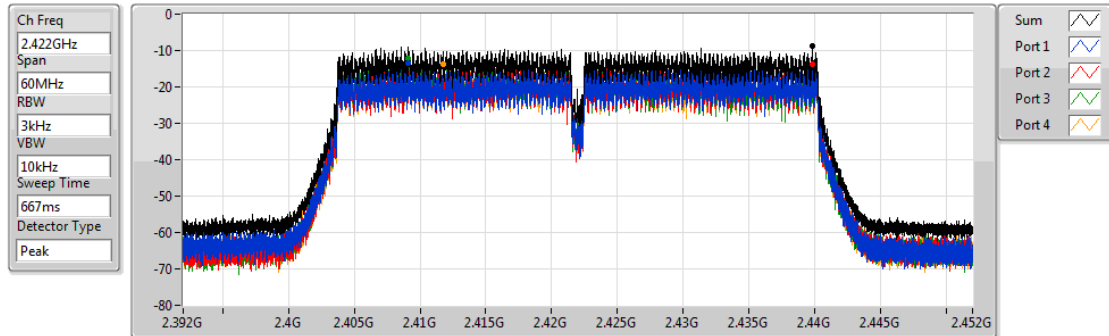


### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### PSD

2422MHz

26/01/2018



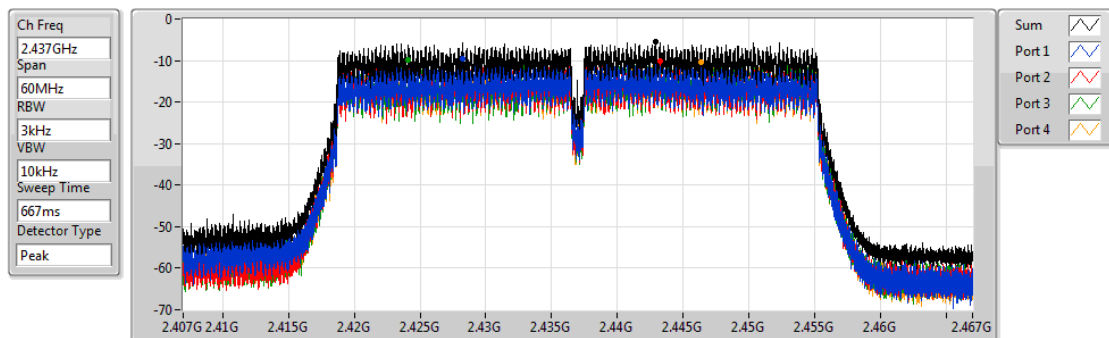
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -8.88    | -8.88    | -13.39   | -13.79   | -12.31   | -13.90   |

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### PSD

2437MHz

26/01/2018



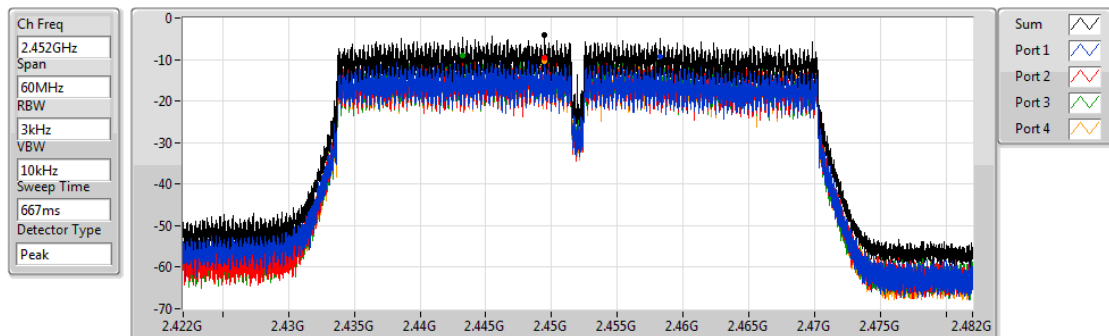
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.56    | -5.56    | -9.68    | -10.09   | -9.78    | -10.41   |

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### PSD

2452MHz

26/01/2018



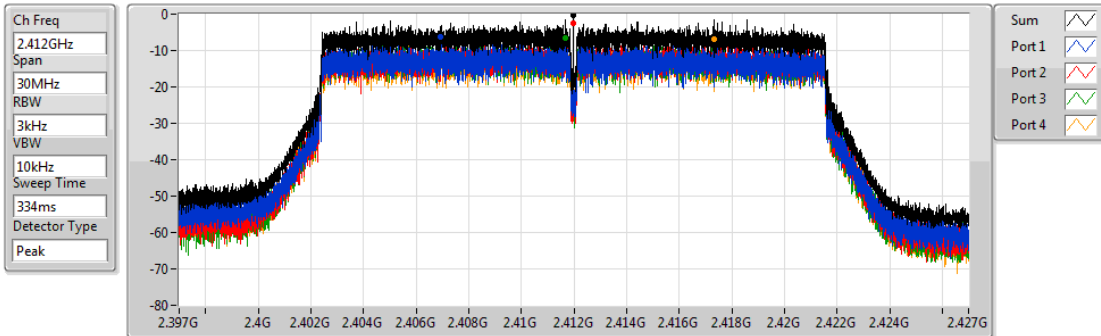
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.22    | -4.22    | -9.30    | -9.46    | -8.92    | -10.36   |

## HE20,BF\_Nss2,(MCS0)\_4TX

## PSD

2412MHz

21/02/2018



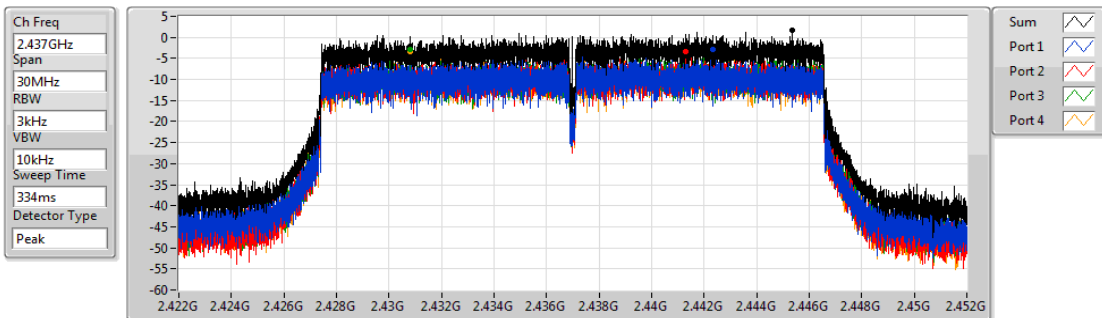
| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| -0.27        | -0.27        | -6.32        | -2.37        | -6.56        | -6.95        |

## HE20,BF\_Nss2,(MCS0)\_4TX

## PSD

2437MHz

26/01/2018



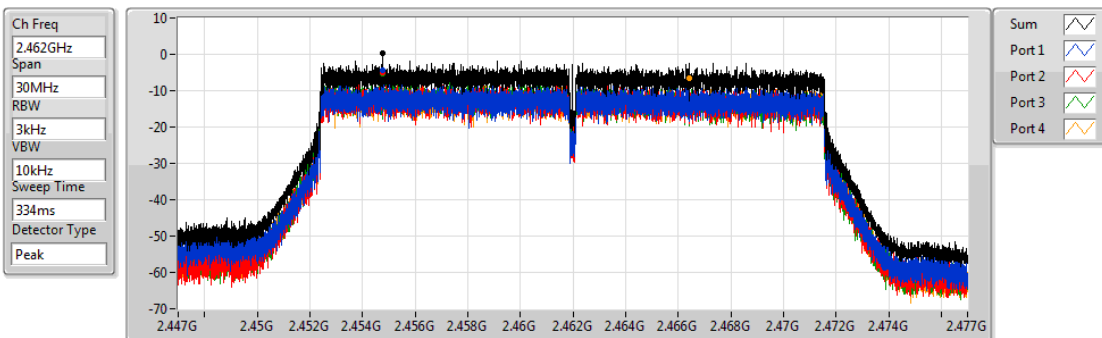
| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 1.72         | 1.72         | -2.85        | -3.50        | -2.92        | -3.43        |

## HE20,BF\_Nss2,(MCS0)\_4TX

## PSD

2462MHz

21/02/2018



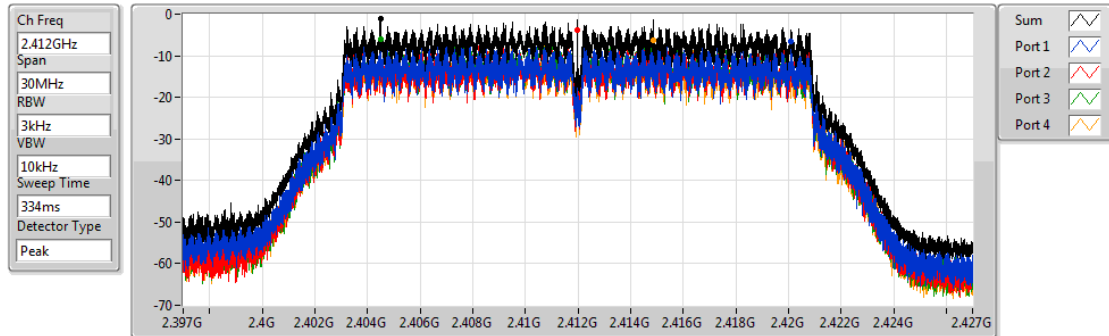
| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 0.34         | 0.34         | -4.36        | -5.13        | -5.32        | -6.53        |

### 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

### PSD

2412MHz

26/01/2018

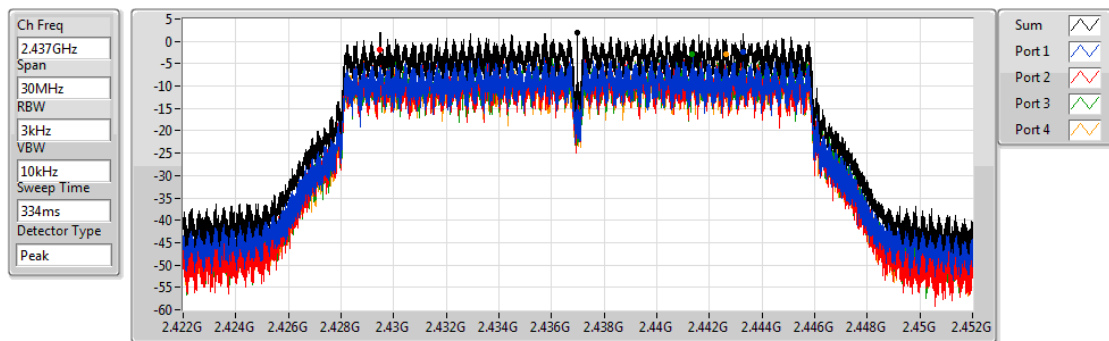


### 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

### PSD

2437MHz

26/01/2018

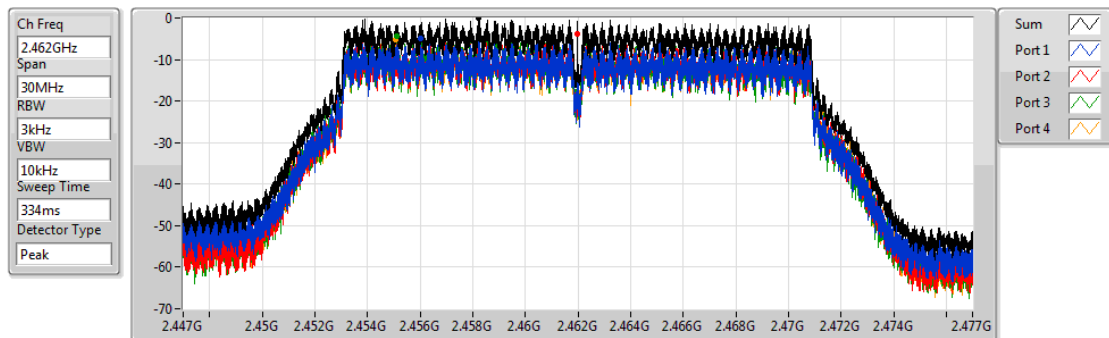


### 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

### PSD

2462MHz

21/02/2018

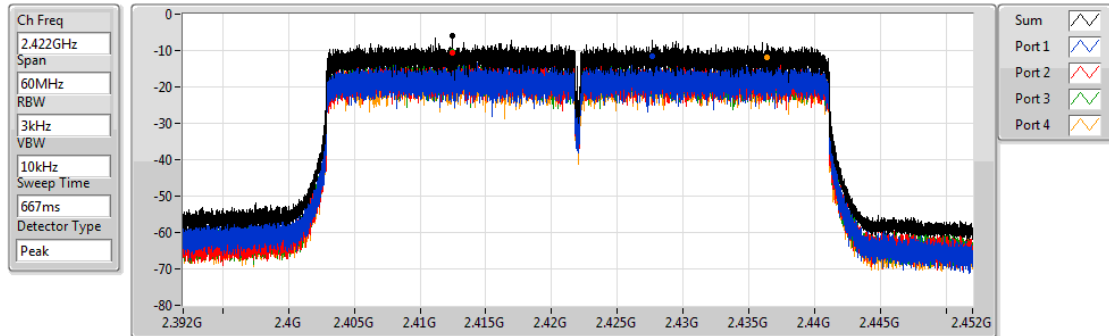


### HE40,BF\_Nss2,(MCS0)\_4TX

2422MHz

PSD

21/02/2018



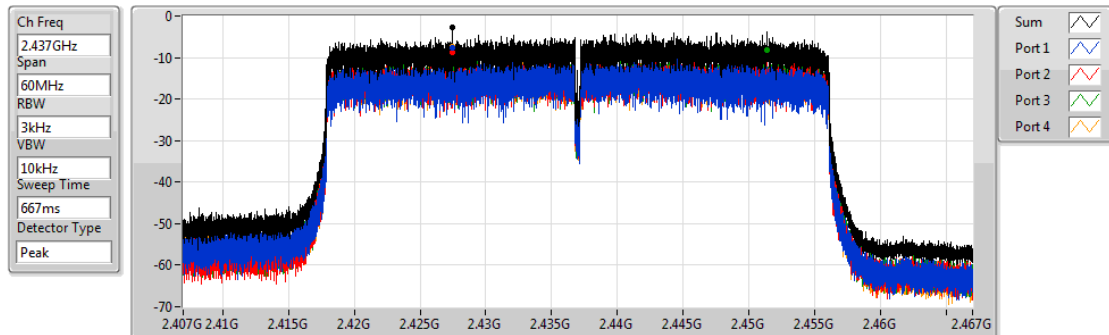
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -5.84    | -5.84    | -11.63   | -10.68   | -10.28   | -11.97   |

### HE40,BF\_Nss2,(MCS0)\_4TX

2437MHz

PSD

21/02/2018



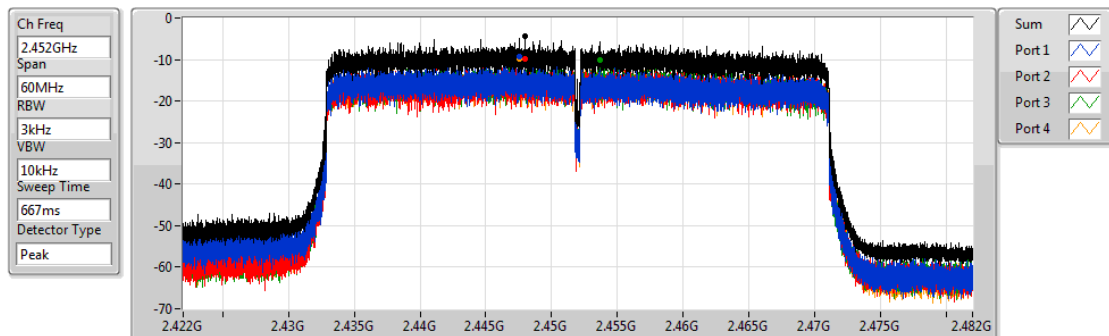
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -2.80    | -2.80    | -7.70    | -8.77    | -8.33    | -7.47    |

### HE40,BF\_Nss2,(MCS0)\_4TX

2452MHz

PSD

26/01/2018

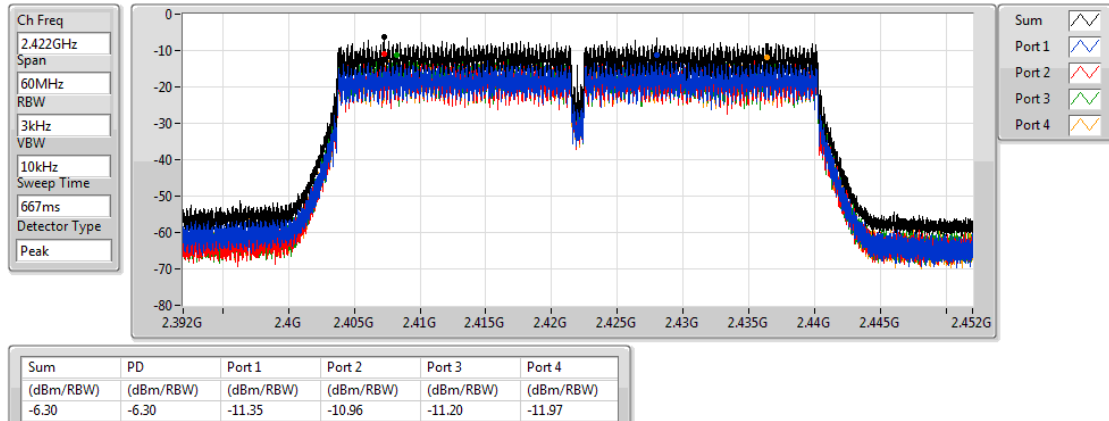


| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -4.24    | -4.24    | -9.18    | -9.79    | -10.17   | -9.81    |

### 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

2422MHz

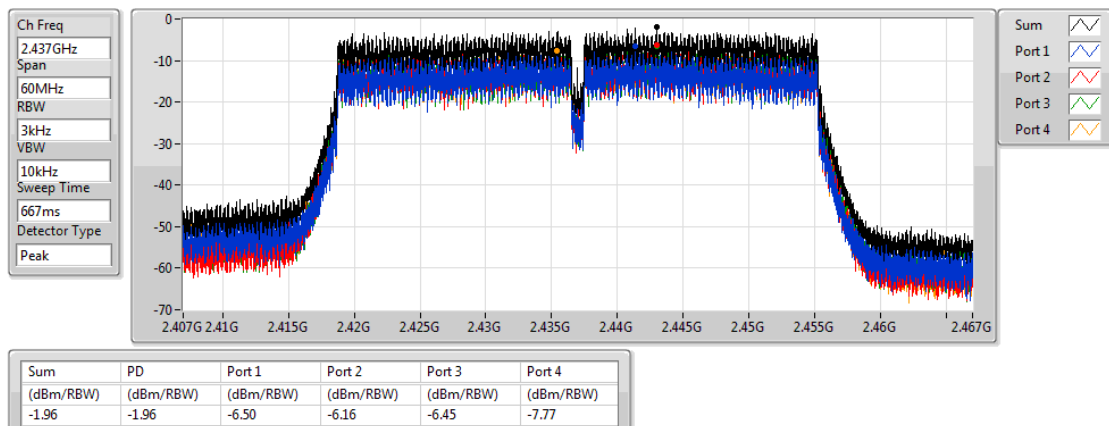
26/01/2018



### 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

2437MHz

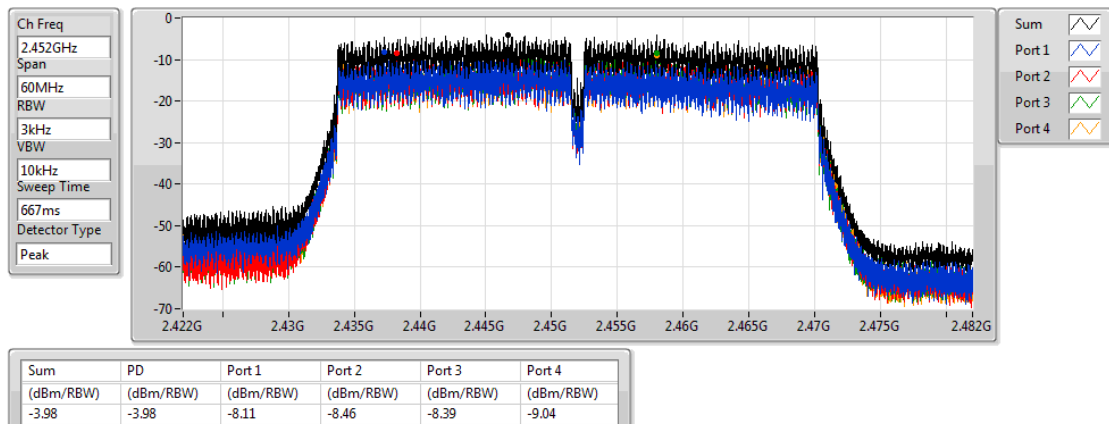
21/02/2018



### 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

2452MHz

21/02/2018





### 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                     | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | Pass   | 2.441917G   | 8.90         | -21.10         | 710.36M      | -55.72         | 2.39952G     | -36.33         | 2.48374G     | -53.68         | 24.370658G   | -52.13         | 1    |
| HE20,BF_Nss1,(MCS0)_4TX           | Pass   | 2.439412G   | 8.39         | -21.61         | 657.935M     | -57.32         | 2.39704G     | -39.29         | 2.48614G     | -55.93         | 24.409992G   | -52.48         | 1    |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | Pass   | 2.429392G   | 2.90         | -27.10         | 1.968485G    | -28.70         | 2.39616G     | -44.58         | 2.4851G      | -48.06         | 6.930204G    | -52.55         | 3    |
| HE40,BF_Nss1,(MCS0)_4TX           | Pass   | 2.451937G   | 3.00         | -27.00         | 561.28M      | -57.70         | 2.39824G     | -41.31         | 2.48414G     | -49.95         | 24.399824G   | -51.95         | 1    |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | Pass   | 2.431897G   | 10.03        | -19.97         | 922.39M      | -57.51         | 2.39952G     | -34.78         | 2.48462G     | -54.52         | 24.988762G   | -52.42         | 1    |
| HE20,BF_Nss2,(MCS0)_4TX           | Pass   | 2.441917G   | 11.09        | -18.91         | 577.55M      | -57.52         | 2.39968G     | -38.93         | 2.48454G     | -55.92         | 21.47119G    | -51.70         | 1    |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | Pass   | 2.439412G   | 5.38         | -24.62         | 881.88M      | -57.04         | 2.39952G     | -36.42         | 2.48686G     | -48.42         | 6.975077G    | -53.10         | 4    |
| HE40,BF_Nss2,(MCS0)_4TX           | Pass   | 2.441917G   | 4.13         | -25.87         | 849.82M      | -57.14         | 2.39984G     | -41.43         | 2.48654G     | -49.36         | 6.972272G    | -52.26         | 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 |
|-----------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 710.36M      | -55.72         | 2.39952G     | -36.33         | 2.48374G     | -53.68         | 24.370658G   | -52.13         | 1    |
| 2412MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 916.565M     | -57.26         | 2.3996G      | -39.50         | 2.48678G     | -54.67         | 24.339753G   | -52.43         | 2    |
| 2412MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 654.44M      | -56.62         | 2.39992G     | -39.85         | 2.48462G     | -54.72         | 24.331324G   | -53.01         | 3    |
| 2412MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 506.485M     | -56.10         | 2.39992G     | -40.21         | 2.48718G     | -52.79         | 24.143083G   | -52.84         | 4    |
| 2437MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 775.6M       | -56.86         | 2.39616G     | -49.10         | 2.48502G     | -51.80         | 6.968228G    | -52.32         | 1    |
| 2437MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 386.49M      | -56.90         | 2.39936G     | -49.30         | 2.48486G     | -51.43         | 6.993514G    | -51.93         | 2    |
| 2437MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 2.086225G    | -57.03         | 2.39896G     | -48.43         | 2.48358G     | -51.56         | 24.334134G   | -52.27         | 3    |
| 2437MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 955.01M      | -57.58         | 2.39784G     | -49.66         | 2.48542G     | -51.44         | 24.401563G   | -51.88         | 4    |
| 2462MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 534.445M     | -57.68         | 2.39808G     | -51.62         | 2.48502G     | -45.24         | 16.683695G   | -52.75         | 1    |
| 2462MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 2.30408G     | -57.57         | 2.39696G     | -52.47         | 2.48526G     | -45.92         | 15.323867G   | -53.09         | 2    |
| 2462MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 959.67M      | -57.55         | 2.3972G      | -51.91         | 2.48366G     | -44.20         | 24.320086G   | -52.73         | 3    |
| 2462MHz                           | Pass   | 2.441917G   | 8.90         | -21.10         | 620.655M     | -57.29         | 2.39888G     | -51.48         | 2.48574G     | -46.65         | 6.959799G    | -52.67         | 4    |
| HE20,BF_Nss1,(MCS0)_4TX           | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 657.935M     | -57.32         | 2.39704G     | -39.29         | 2.48614G     | -55.93         | 24.409992G   | -52.48         | 1    |
| 2412MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 802.395M     | -57.76         | 2.39992G     | -42.47         | 2.48558G     | -55.50         | 6.912037G    | -52.26         | 2    |
| 2412MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 547.26M      | -56.70         | 2.39992G     | -42.22         | 2.48958G     | -55.22         | 24.29199G    | -52.17         | 3    |
| 2412MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 676.575M     | -56.82         | 2.39992G     | -41.61         | 2.48358G     | -54.95         | 16.58817G    | -52.74         | 4    |
| 2437MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 2.300585G    | -56.59         | 2.39984G     | -48.87         | 2.48382G     | -51.41         | 24.35661G    | -53.13         | 1    |
| 2437MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 522.795M     | -56.42         | 2.3976G      | -49.77         | 2.48502G     | -51.95         | 6.428792G    | -52.61         | 2    |
| 2437MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 748.805M     | -57.24         | 2.39576G     | -48.82         | 2.4859G      | -51.11         | 6.855845G    | -52.39         | 3    |
| 2437MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 812.88M      | -56.79         | 2.39856G     | -49.93         | 2.48582G     | -52.34         | 6.990704G    | -52.05         | 4    |
| 2462MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 506.485M     | -56.43         | 2.39696G     | -51.93         | 2.48462G     | -41.31         | 24.342562G   | -52.33         | 1    |
| 2462MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 2.309905G    | -56.84         | 2.39528G     | -52.86         | 2.48374G     | -43.79         | 24.35661G    | -52.18         | 2    |
| 2462MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 536.775M     | -57.23         | 2.39928G     | -51.30         | 2.48358G     | -42.21         | 24.362229G   | -51.99         | 3    |
| 2462MHz                           | Pass   | 2.439412G   | 8.39         | -21.61         | 2.30874G     | -56.87         | 2.39728G     | -52.51         | 2.4839G      | -43.88         | 24.449326G   | -52.15         | 4    |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 876.155M     | -57.24         | 2.39952G     | -45.15         | 2.48366G     | -55.58         | 6.9891G      | -52.76         | 1    |
| 2422MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 723.87M      | -56.76         | 2.39824G     | -47.69         | 2.48494G     | -54.72         | 6.983491G    | -52.50         | 2    |
| 2422MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 897.91M      | -57.52         | 2.39984G     | -47.21         | 2.48766G     | -54.02         | 6.428187G    | -53.13         | 3    |
| 2422MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 834.935M     | -57.11         | 2.39712G     | -48.35         | 2.48446G     | -54.33         | 24.39141G    | -52.11         | 4    |
| 2437MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 2.309695G    | -56.67         | 2.3984G      | -40.90         | 2.48574G     | -50.61         | 24.321296G   | -52.20         | 1    |
| 2437MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 798.295M     | -57.28         | 2.3976G      | -45.36         | 2.48558G     | -50.02         | 24.32971G    | -51.50         | 2    |
| 2437MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 1.968485G    | -28.70         | 2.39616G     | -44.58         | 2.4851G      | -48.06         | 6.930204G    | -52.55         | 3    |
| 2437MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 2.30397G     | -56.76         | 2.3992G      | -44.86         | 2.48526G     | -50.06         | 23.37354G    | -52.39         | 4    |



## CSE Non-restricted Band Result

## Appendix D

| 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 |
|-----------------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 2452MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 529.22M      | -57.72         | 2.39952G     | -46.58         | 2.48718G     | -46.49         | 6.997513G    | -53.01         | 1    |
| 2452MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 556.7M       | -57.09         | 2.39584G     | -47.38         | 2.48686G     | -47.00         | 24.035231G   | -52.87         | 2    |
| 2452MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 30M          | -56.83         | 2.39968G     | -48.84         | 2.48382G     | -47.26         | 6.975077G    | -52.18         | 3    |
| 2452MHz                           | Pass   | 2.429392G   | 2.90         | -27.10         | 2.30168G     | -57.42         | 2.39584G     | -48.81         | 2.48414G     | -47.90         | 24.248377G   | -52.42         | 4    |
| HE40,BF_Nss1,(MCS0)_4TX           | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 720.435M     | -57.36         | 2.396G       | -45.63         | 2.48494G     | -55.35         | 24.357755G   | -52.61         | 1    |
| 2422MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 923.1M       | -57.66         | 2.39952G     | -48.78         | 2.4867G      | -54.79         | 6.803999G    | -53.06         | 2    |
| 2422MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 844.095M     | -56.89         | 2.3976G      | -48.71         | 2.48526G     | -55.18         | 24.043644G   | -52.56         | 3    |
| 2422MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 944.855M     | -56.83         | 2.39776G     | -47.91         | 2.4859G      | -54.87         | 24.39141G    | -52.13         | 4    |
| 2437MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 561.28M      | -57.70         | 2.39824G     | -41.31         | 2.48414G     | -49.95         | 24.399824G   | -51.95         | 1    |
| 2437MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 2.307405G    | -56.91         | 2.39616G     | -45.28         | 2.48574G     | -49.55         | 24.42226G    | -52.42         | 2    |
| 2437MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 30M          | -57.49         | 2.39968G     | -43.32         | 2.4851G      | -48.24         | 24.394215G   | -52.14         | 3    |
| 2437MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 500.595M     | -56.44         | 2.39728G     | -43.69         | 2.48398G     | -50.21         | 24.307273G   | -52.27         | 4    |
| 2452MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 885.315M     | -56.95         | 2.39968G     | -47.23         | 2.4867G      | -47.99         | 24.312882G   | -52.56         | 1    |
| 2452MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 920.81M      | -57.54         | 2.39536G     | -48.61         | 2.48814G     | -45.64         | 24.318491G   | -51.90         | 2    |
| 2452MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 904.78M      | -57.28         | 2.39328G     | -48.51         | 2.48382G     | -46.65         | 24.388605G   | -52.41         | 3    |
| 2452MHz                           | Pass   | 2.451937G   | 3.00         | -27.00         | 541.815M     | -56.61         | 2.39856G     | -48.70         | 2.48382G     | -48.20         | 6.273936G    | -52.75         | 4    |
| 802.11ac VHT20-BF_Nss2,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 922.39M      | -57.51         | 2.39952G     | -34.78         | 2.48462G     | -54.52         | 24.988762G   | -52.42         | 1    |
| 2412MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 2.18525G     | -56.94         | 2.39976G     | -38.45         | 2.4859G      | -52.24         | 24.030701G   | -52.49         | 2    |
| 2412MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 878.12M      | -57.50         | 2.39952G     | -37.58         | 2.48646G     | -53.61         | 6.653557G    | -52.82         | 3    |
| 2412MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 677.74M      | -57.14         | 2.3996G      | -35.85         | 2.48414G     | -52.66         | 6.987895G    | -52.50         | 4    |
| 2437MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 2.193405G    | -57.42         | 2.39736G     | -46.77         | 2.48398G     | -50.28         | 24.660043G   | -52.47         | 1    |
| 2437MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 2.167775G    | -57.45         | 2.39416G     | -48.03         | 2.48494G     | -51.28         | 24.730282G   | -52.85         | 2    |
| 2437MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 957.34M      | -56.96         | 2.3992G      | -46.44         | 2.4839G      | -49.89         | 24.35661G    | -53.00         | 3    |
| 2437MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 2.309905G    | -57.54         | 2.39624G     | -47.72         | 2.48558G     | -47.93         | 6.465316G    | -52.32         | 4    |
| 2462MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 2.307575G    | -57.46         | 2.39696G     | -50.68         | 2.48358G     | -40.04         | 6.926084G    | -52.05         | 1    |
| 2462MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 793.075M     | -56.33         | 2.3992G      | -51.39         | 2.48406G     | -42.25         | 24.438088G   | -52.37         | 2    |
| 2462MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 928.215M     | -56.80         | 2.3984G      | -51.72         | 2.4839G      | -44.35         | 24.03913G    | -53.02         | 3    |
| 2462MHz                           | Pass   | 2.431897G   | 10.03        | -19.97         | 2.307575G    | -56.56         | 2.39912G     | -51.86         | 2.4839G      | -43.69         | 6.965418G    | -52.96         | 4    |
| HE20,BF_Nss2,(MCS0)_4TX           | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2412MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 577.55M      | -57.52         | 2.39968G     | -38.93         | 2.48454G     | -55.92         | 21.47119G    | -51.70         | 1    |
| 2412MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 909.575M     | -57.30         | 2.39992G     | -41.47         | 2.48982G     | -55.22         | 24.379087G   | -52.37         | 2    |
| 2412MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 1.960405G    | -56.24         | 2.39984G     | -41.29         | 2.48414G     | -55.81         | 24.825807G   | -52.45         | 3    |
| 2412MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 911.905M     | -56.81         | 2.39704G     | -39.80         | 2.48366G     | -53.81         | 24.348182G   | -52.94         | 4    |
| 2437MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 667.255M     | -57.25         | 2.39984G     | -42.88         | 2.48382G     | -49.48         | 24.398754G   | -52.43         | 1    |
| 2437MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 895.595M     | -56.07         | 2.3996G      | -45.16         | 2.48406G     | -49.92         | 24.011034G   | -52.55         | 2    |
| 2437MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 1.972055G    | -46.02         | 2.39728G     | -45.14         | 2.48782G     | -49.66         | 21.504904G   | -52.57         | 3    |
| 2437MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 513.475M     | -56.84         | 2.3996G      | -44.52         | 2.48502G     | -50.09         | 24.331324G   | -53.06         | 4    |
| 2462MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 921.225M     | -56.54         | 2.39984G     | -50.63         | 2.48462G     | -39.96         | 24.370658G   | -52.56         | 1    |
| 2462MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 2.305245G    | -56.96         | 2.3984G      | -51.34         | 2.48646G     | -42.93         | 21.507714G   | -52.40         | 2    |
| 2462MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 2.30874G     | -57.51         | 2.39896G     | -52.44         | 2.48414G     | -42.74         | 2.52631G     | -45.81         | 3    |
| 2462MHz                           | Pass   | 2.441917G   | 11.09        | -18.91         | 541.435M     | -56.62         | 2.39912G     | -52.57         | 2.48366G     | -42.49         | 24.384706G   | -52.74         | 4    |
| 802.11ac VHT40-BF_Nss2,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                           | Pass   | 2.439412G   | 5.38         | -24.62         | 954.015M     | -56.18         | 2.39904G     | -41.30         | 2.48446G     | -54.15         | 6.902158G    | -52.45         | 1    |
| 2422MHz                           | Pass   | 2.439412G   | 5.38         | -24.62         | 886.46M      | -57.04         | 2.39984G     | -45.46         | 2.48382G     | -52.81         | 24.96915G    | -52.20         | 2    |
| 2422MHz                           | Pass   | 2.439412G   | 5.38         | -24.62         | 888.75M      | -57.19         | 2.39728G     | -44.25         | 2.48654G     | -53.11         | 24.997195G   | -52.81         | 3    |
| 2422MHz                           | Pass   | 2.439412G   | 5.38         | -24.62         | 569.295M     | -56.94         | 2.39984G     | -43.27         | 2.48782G     | -53.69         | 24.315687G   | -53.13         | 4    |
| 2437MHz                           | Pass   | 2.439412G   | 5.38         | -24.62         | 878.445M     | -56.76         | 2.3984G      | -37.37         | 2.48382G     | -47.80         | 6.980686G    | -52.04         | 1    |



## CSE Non-restricted Band Result

## Appendix D

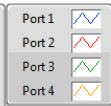
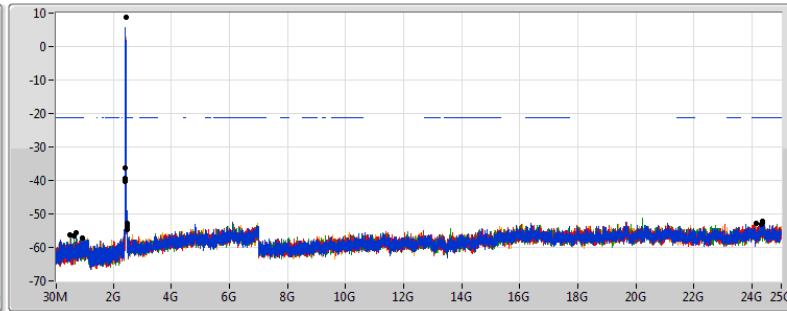
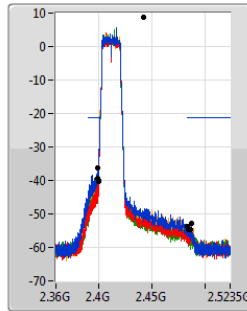
| Mode                    | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|-------------------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 2437MHz                 | Pass   | 2.439412G   | 5.38         | -24.62         | 30M          | -56.91         | 2.39888G     | -41.81         | 2.48638G     | -48.63         | 24.36056G    | -52.92         | 2    |
| 2437MHz                 | Pass   | 2.439412G   | 5.38         | -24.62         | 32.29M       | -55.95         | 2.3992G      | -41.89         | 2.48446G     | -46.85         | 21.533561G   | -52.07         | 3    |
| 2437MHz                 | Pass   | 2.439412G   | 5.38         | -24.62         | 881.88M      | -57.04         | 2.39952G     | -36.42         | 2.48686G     | -48.42         | 6.975077G    | -53.10         | 4    |
| 2452MHz                 | Pass   | 2.439412G   | 5.38         | -24.62         | 31.145M      | -57.07         | 2.39904G     | -45.87         | 2.48478G     | -42.92         | 24.321296G   | -52.43         | 1    |
| 2452MHz                 | Pass   | 2.439412G   | 5.38         | -24.62         | 952.87M      | -57.22         | 2.39472G     | -49.64         | 2.4883G      | -45.68         | 24.223136G   | -52.37         | 2    |
| 2452MHz                 | Pass   | 2.439412G   | 5.38         | -24.62         | 604.79M      | -57.08         | 2.39904G     | -48.26         | 2.4875G      | -45.40         | 24.326905G   | -52.58         | 3    |
| 2452MHz                 | Pass   | 2.439412G   | 5.38         | -24.62         | 30M          | -56.50         | 2.39696G     | -48.41         | 2.48718G     | -45.14         | 24.326905G   | -52.39         | 4    |
| HE40,BF_Nss2,(MCS0)_4TX | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2422MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 952.87M      | -57.39         | 2.392G       | -43.35         | 2.48398G     | -53.80         | 24.517615G   | -52.67         | 1    |
| 2422MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 791.425M     | -56.01         | 2.39952G     | -46.47         | 2.48414G     | -54.20         | 6.955445G    | -52.87         | 2    |
| 2422MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 823.485M     | -57.67         | 2.39664G     | -47.18         | 2.48478G     | -54.03         | 24.492374G   | -52.47         | 3    |
| 2422MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 933.405M     | -57.00         | 2.39984G     | -45.88         | 2.4843G      | -54.32         | 24.3241G     | -52.52         | 4    |
| 2437MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 849.82M      | -57.14         | 2.39984G     | -41.43         | 2.48654G     | -49.36         | 6.972272G    | -52.26         | 1    |
| 2437MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 855.545M     | -57.03         | 2.39824G     | -42.28         | 2.48766G     | -48.99         | 6.181386G    | -52.20         | 2    |
| 2437MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 912.795M     | -57.03         | 2.39824G     | -42.09         | 2.48494G     | -48.10         | 24.276423G   | -52.22         | 3    |
| 2437MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 773.105M     | -57.13         | 2.39936G     | -42.67         | 2.48382G     | -49.38         | 6.966663G    | -52.91         | 4    |
| 2452MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 507.465M     | -57.69         | 2.39808G     | -46.78         | 2.48366G     | -45.27         | 6.994709G    | -52.63         | 1    |
| 2452MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 513.19M      | -57.20         | 2.39936G     | -47.19         | 2.48638G     | -45.83         | 24.439088G   | -52.08         | 2    |
| 2452MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 864.705M     | -57.49         | 2.39824G     | -48.67         | 2.4843G      | -46.13         | 24.385801G   | -52.05         | 3    |
| 2452MHz                 | Pass   | 2.441917G   | 4.13         | -25.87         | 2.199775G    | -57.22         | 2.39856G     | -47.82         | 2.48446G     | -49.32         | 24.248377G   | -51.84         | 4    |

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

CSE NdB

2412MHz

26/01/2018



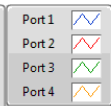
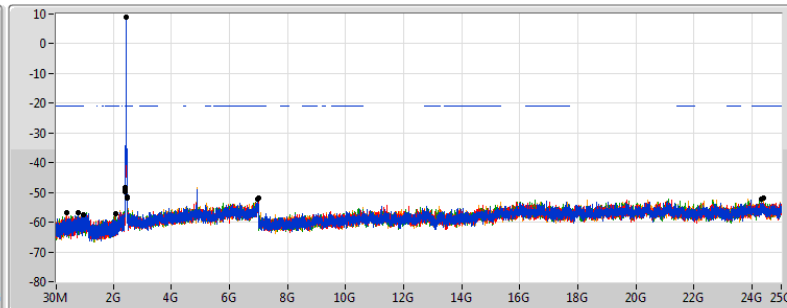
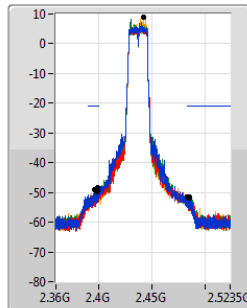
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 8.90     | -21.10     | 710.36M  | -55.72     | 2.39952G | -36.33     | 2.48374G | -53.68     | 24.370658G | -52.13     | 1    |
| 2.441917G | 8.90     | -21.10     | 916.565M | -57.26     | 2.3996G  | -39.50     | 2.48678G | -54.67     | 24.339753G | -52.43     | 2    |
| 2.441917G | 8.90     | -21.10     | 654.44M  | -56.62     | 2.39992G | -39.85     | 2.48462G | -54.72     | 24.31324G  | -53.01     | 3    |
| 2.441917G | 8.90     | -21.10     | 506.485M | -56.10     | 2.39992G | -40.21     | 2.48718G | -52.79     | 24.143083G | -52.84     | 4    |

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

CSE NdB

2437MHz

26/01/2018



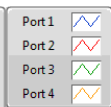
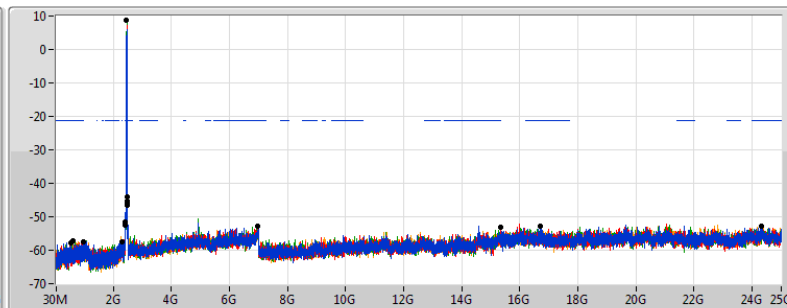
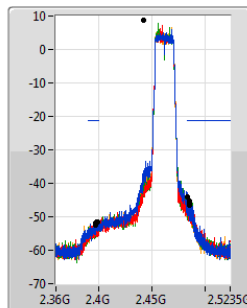
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 8.90     | -21.10     | 775.6M    | -56.86     | 2.39616G | -49.10     | 2.48502G | -51.80     | 6.968228G  | -52.32     | 1    |
| 2.441917G | 8.90     | -21.10     | 386.49M   | -56.90     | 2.39936G | -49.30     | 2.48486G | -51.43     | 6.993514G  | -51.93     | 2    |
| 2.441917G | 8.90     | -21.10     | 2.086225G | -57.03     | 2.39896G | -48.43     | 2.48358G | -51.56     | 24.334134G | -52.27     | 3    |
| 2.441917G | 8.90     | -21.10     | 955.01M   | -57.58     | 2.39784G | -49.66     | 2.48542G | -51.44     | 24.401563G | -51.88     | 4    |

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

CSE NdB

2462MHz

26/01/2018



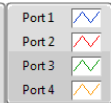
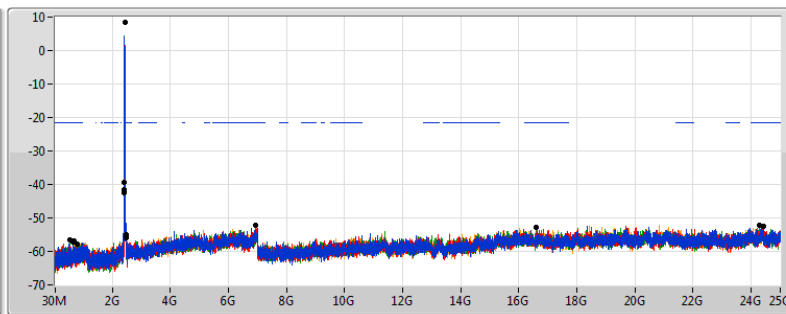
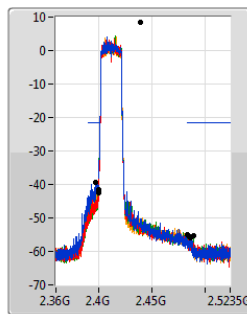
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 8.90     | -21.10     | 534.445M | -57.68     | 2.39808G | -51.62     | 2.48502G | -45.24     | 16.883695G | -52.75     | 1    |
| 2.441917G | 8.90     | -21.10     | 2.30408G | -57.57     | 2.39696G | -52.47     | 2.48526G | -45.92     | 15.323867G | -53.09     | 2    |
| 2.441917G | 8.90     | -21.10     | 959.67M  | -57.55     | 2.3972G  | -51.91     | 2.48366G | -44.20     | 24.320086G | -52.73     | 3    |
| 2.441917G | 8.90     | -21.10     | 620.655M | -57.29     | 2.39888G | -51.48     | 2.48574G | -46.65     | 6.959799G  | -52.67     | 4    |

### HE20,BF\_Nss1,(MCS0)\_4TX

CSE NdB

2412MHz

26/01/2018



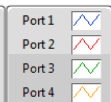
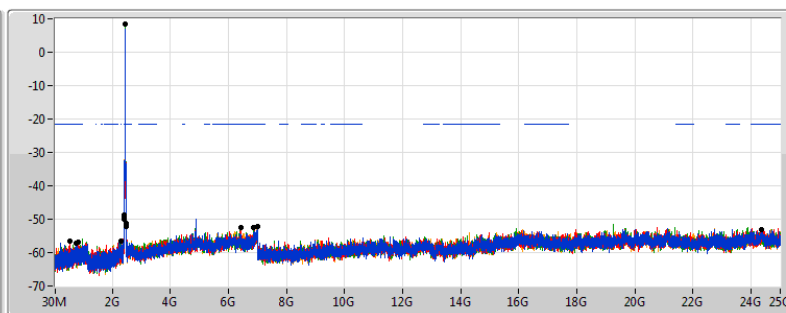
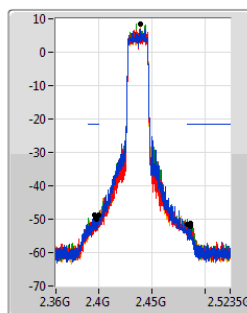
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.439412G | 8.39     | -21.61     | 657.935M | -57.32     | 2.39704G | -39.29     | 2.48614G | -55.93     | 24.409992G | -52.48     | 1    |
| 2.439412G | 8.39     | -21.61     | 802.395M | -57.76     | 2.39992G | -42.47     | 2.48558G | -55.50     | 6.912037G  | -52.26     | 2    |
| 2.439412G | 8.39     | -21.61     | 547.26M  | -56.70     | 2.39992G | -42.22     | 2.48958G | -55.22     | 24.29199G  | -52.17     | 3    |
| 2.439412G | 8.39     | -21.61     | 676.575M | -56.82     | 2.39992G | -41.61     | 2.48358G | -54.95     | 16.58817G  | -52.74     | 4    |

### HE20,BF\_Nss1,(MCS0)\_4TX

CSE NdB

2437MHz

26/01/2018



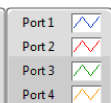
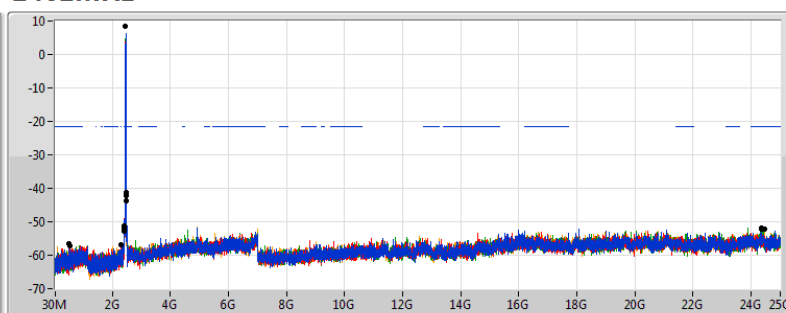
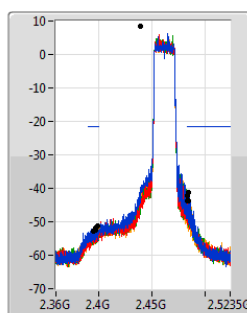
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.439412G | 8.39     | -21.61     | 2.300585G | -56.59     | 2.39984G | -48.87     | 2.48382G | -51.41     | 24.35661G | -53.13     | 1    |
| 2.439412G | 8.39     | -21.61     | 522.795M  | -56.42     | 2.3976G  | -49.77     | 2.48502G | -51.95     | 6.428792G | -52.61     | 2    |
| 2.439412G | 8.39     | -21.61     | 748.805M  | -57.24     | 2.39576G | -48.82     | 2.4859G  | -51.11     | 6.855845G | -52.39     | 3    |
| 2.439412G | 8.39     | -21.61     | 812.88M   | -56.79     | 2.39856G | -49.93     | 2.48582G | -52.34     | 6.990704G | -52.05     | 4    |

### HE20,BF\_Nss1,(MCS0)\_4TX

CSE NdB

2462MHz

26/01/2018



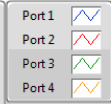
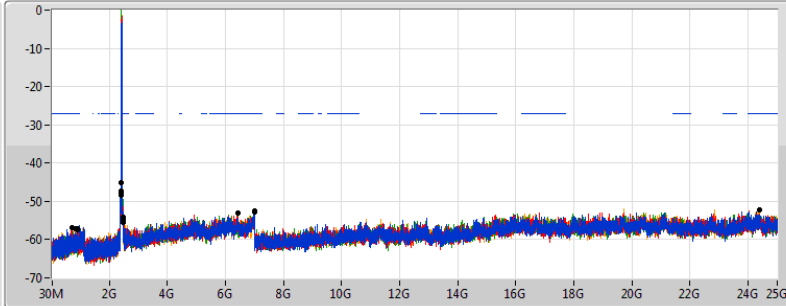
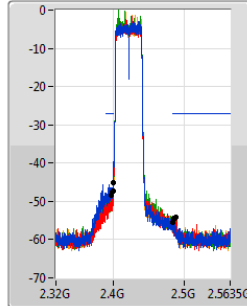
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.439412G | 8.39     | -21.61     | 506.485M  | -56.43     | 2.39696G | -51.93     | 2.48462G | -41.31     | 24.342562G | -52.33     | 1    |
| 2.439412G | 8.39     | -21.61     | 2.309905G | -56.84     | 2.39528G | -52.86     | 2.48374G | -43.79     | 24.35661G  | -52.18     | 2    |
| 2.439412G | 8.39     | -21.61     | 536.775M  | -57.23     | 2.39928G | -51.30     | 2.48358G | -42.21     | 24.36229G  | -51.99     | 3    |
| 2.439412G | 8.39     | -21.61     | 2.30874G  | -56.87     | 2.39728G | -52.51     | 2.4839G  | -43.88     | 24.449326G | -52.15     | 4    |

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

CSE NdB

2422MHz

26/01/2018



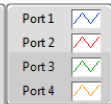
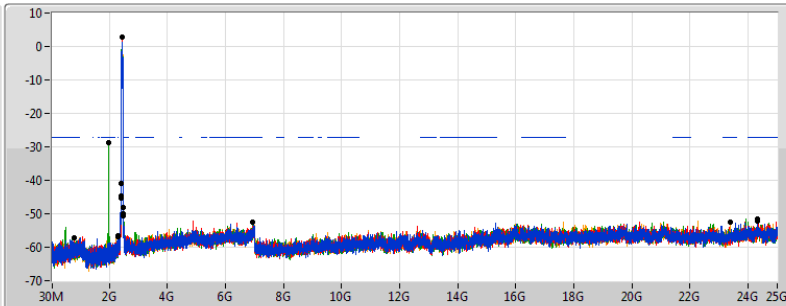
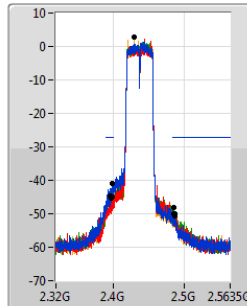
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)  | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|-----------|------------|------|
| 2.429392G | 2.90     | -27.10     | 876.155M | -57.24     | 2.39952G | -45.15     | 2.48366G | -55.58     | 6.9891G   | -52.76     | 1    |
| 2.429392G | 2.90     | -27.10     | 723.87M  | -56.76     | 2.39824G | -47.69     | 2.48494G | -54.72     | 6.983491G | -52.50     | 2    |
| 2.429392G | 2.90     | -27.10     | 897.91M  | -57.52     | 2.39984G | -47.21     | 2.48766G | -54.02     | 6.428187G | -53.13     | 3    |
| 2.429392G | 2.90     | -27.10     | 834.935M | -57.11     | 2.39712G | -48.35     | 2.48446G | -54.33     | 24.39141G | -52.11     | 4    |

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

CSE NdB

2437MHz

26/01/2018



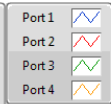
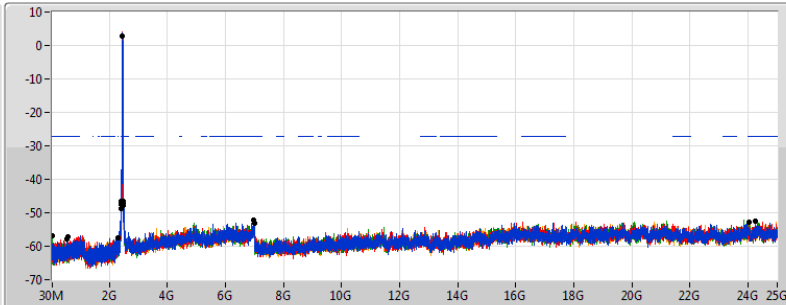
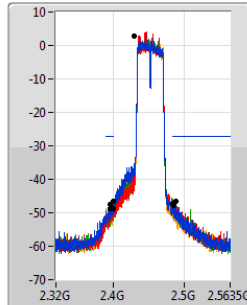
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.429392G | 2.90     | -27.10     | 2.309695G | -56.67     | 2.3984G  | -40.90     | 2.48574G | -50.61     | 24.321296G | -52.20     | 1    |
| 2.429392G | 2.90     | -27.10     | 798.295M  | -57.28     | 2.3976G  | -45.36     | 2.48558G | -50.02     | 24.32971G  | -51.50     | 2    |
| 2.429392G | 2.90     | -27.10     | 1.968485G | -28.70     | 2.39616G | -44.58     | 2.4851G  | -48.06     | 6.930204G  | -52.55     | 3    |
| 2.429392G | 2.90     | -27.10     | 2.30397G  | -56.76     | 2.3992G  | -44.86     | 2.48526G | -50.06     | 23.373354G | -52.39     | 4    |

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

CSE NdB

2452MHz

26/01/2018



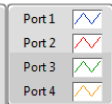
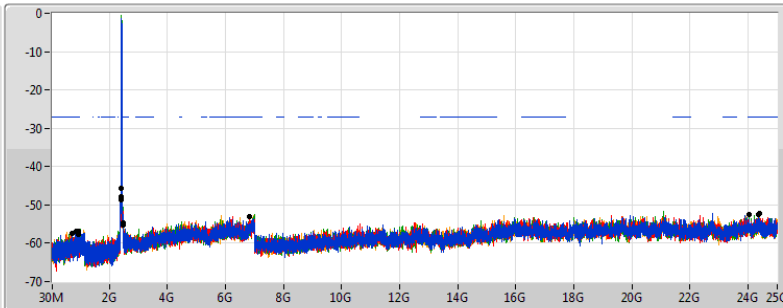
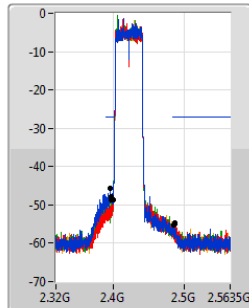
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.429392G | 2.90     | -27.10     | 529.22M  | -57.72     | 2.39952G | -46.58     | 2.48718G | -46.49     | 6.997513G  | -53.01     | 1    |
| 2.429392G | 2.90     | -27.10     | 556.7M   | -57.09     | 2.39584G | -47.38     | 2.48686G | -47.00     | 24.035231G | -52.87     | 2    |
| 2.429392G | 2.90     | -27.10     | 30M      | -56.83     | 2.39968G | -48.84     | 2.48382G | -47.26     | 6.975077G  | -52.18     | 3    |
| 2.429392G | 2.90     | -27.10     | 2.30168G | -57.42     | 2.39584G | -48.81     | 2.48414G | -47.90     | 24.248377G | -52.42     | 4    |

### HE40,BF\_Nss1,(MCS0)\_4TX

CSE NdB

2422MHz

26/01/2018



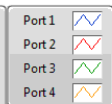
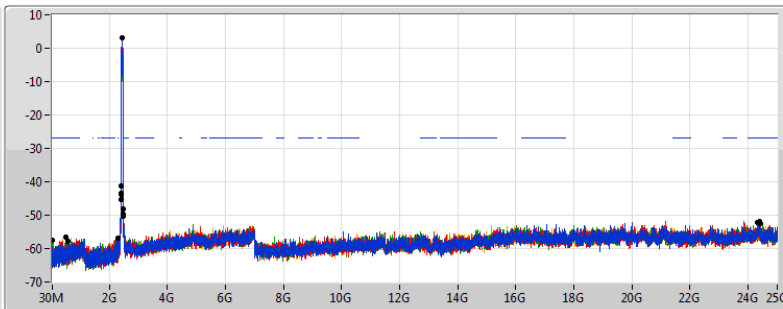
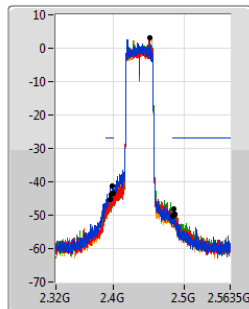
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.451937G | 3.00     | -27.00     | 720.435M | -57.36     | 2.396G   | -45.63     | 2.48494G | -55.35     | 24.357755G | -52.61     | 1    |
| 2.451937G | 3.00     | -27.00     | 923.1M   | -57.66     | 2.39552G | -48.78     | 2.4867G  | -54.79     | 6.803999G  | -53.06     | 2    |
| 2.451937G | 3.00     | -27.00     | 844.095M | -56.89     | 2.3976G  | -48.71     | 2.48526G | -55.18     | 24.043644G | -52.56     | 3    |
| 2.451937G | 3.00     | -27.00     | 944.855M | -56.83     | 2.39776G | -47.91     | 2.4859G  | -54.87     | 24.39141G  | -52.13     | 4    |

### HE40,BF\_Nss1,(MCS0)\_4TX

CSE NdB

2437MHz

26/01/2018



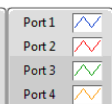
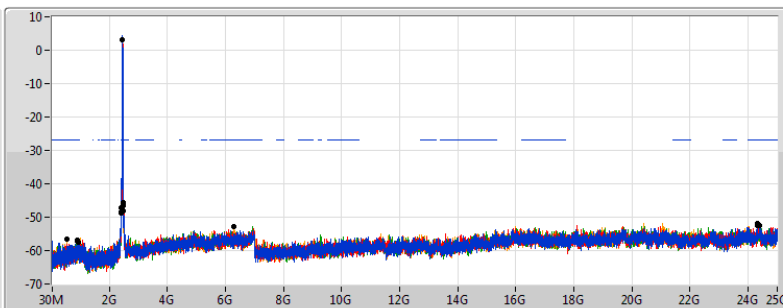
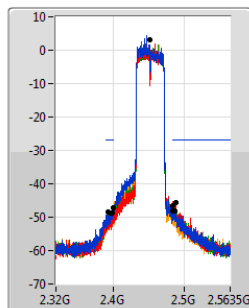
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.451937G | 3.00     | -27.00     | 561.28M   | -57.70     | 2.39824G | -41.31     | 2.48414G | -49.95     | 24.399824G | -51.95     | 1    |
| 2.451937G | 3.00     | -27.00     | 2.307405G | -56.91     | 2.39616G | -45.28     | 2.48574G | -49.55     | 24.42226G  | -52.42     | 2    |
| 2.451937G | 3.00     | -27.00     | 30M       | -57.49     | 2.39968G | -43.32     | 2.4851G  | -48.24     | 24.394215G | -52.14     | 3    |
| 2.451937G | 3.00     | -27.00     | 500.595M  | -56.44     | 2.39728G | -43.69     | 2.48398G | -50.21     | 24.307273G | -52.27     | 4    |

### HE40,BF\_Nss1,(MCS0)\_4TX

CSE NdB

2452MHz

26/01/2018



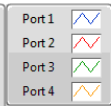
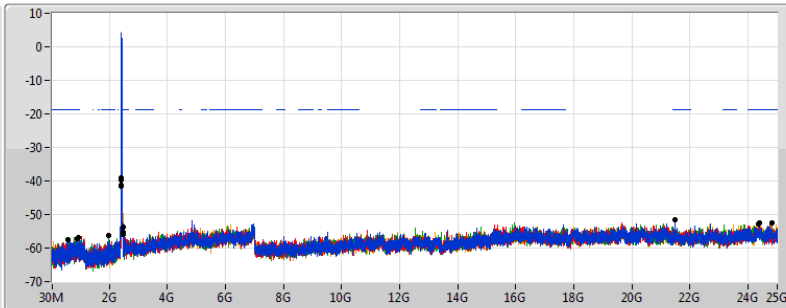
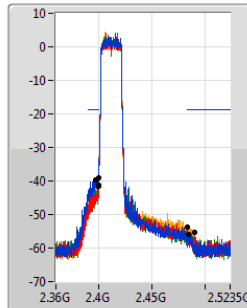
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.451937G | 3.00     | -27.00     | 885.315M | -56.95     | 2.39968G | -47.23     | 2.4867G  | -47.99     | 24.312882G | -52.56     | 1    |
| 2.451937G | 3.00     | -27.00     | 920.81M  | -57.54     | 2.39536G | -48.61     | 2.48814G | -45.64     | 24.318491G | -51.90     | 2    |
| 2.451937G | 3.00     | -27.00     | 904.78M  | -57.28     | 2.39328G | -48.51     | 2.48382G | -46.65     | 24.388605G | -52.41     | 3    |
| 2.451937G | 3.00     | -27.00     | 541.815M | -56.61     | 2.39856G | -48.70     | 2.48382G | -48.20     | 6.273936G  | -52.75     | 4    |

### HE20,BF\_Nss2,(MCS0)\_4TX

CSE NdB

2412MHz

26/01/2018



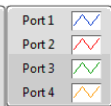
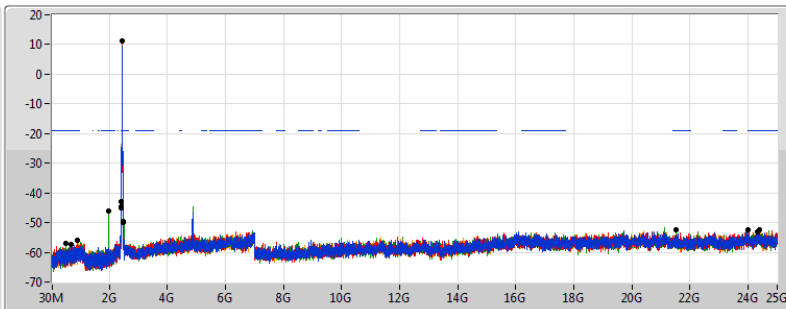
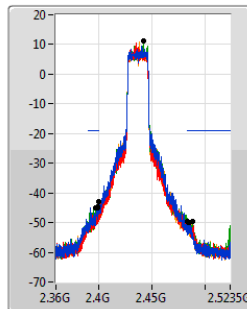
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 11.09    | -18.91     | 577.55M   | -57.52     | 2.39968G | -38.93     | 2.48454G | -55.92     | 21.47119G  | -51.70     | 1    |
| 2.441917G | 11.09    | -18.91     | 909.575M  | -57.30     | 2.39992G | -41.47     | 2.48982G | -55.22     | 24.379087G | -52.37     | 2    |
| 2.441917G | 11.09    | -18.91     | 1.960405G | -56.24     | 2.39984G | -41.29     | 2.48414G | -55.81     | 24.825807G | -52.45     | 3    |
| 2.441917G | 11.09    | -18.91     | 911.905M  | -56.81     | 2.39704G | -39.80     | 2.48366G | -53.81     | 24.348182G | -52.94     | 4    |

### HE20,BF\_Nss2,(MCS0)\_4TX

CSE NdB

2437MHz

26/01/2018



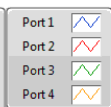
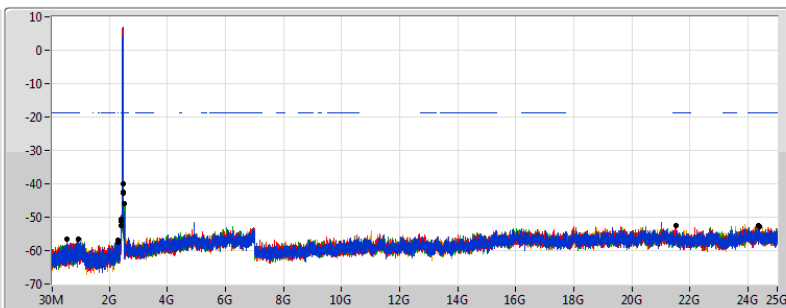
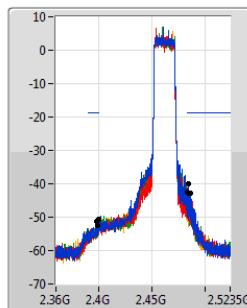
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 11.09    | -18.91     | 667.255M  | -57.25     | 2.39984G | -42.88     | 2.48382G | -49.48     | 24.398754G | -52.43     | 1    |
| 2.441917G | 11.09    | -18.91     | 895.595M  | -56.07     | 2.3996G  | -45.16     | 2.48406G | -49.92     | 24.011034G | -52.55     | 2    |
| 2.441917G | 11.09    | -18.91     | 1.972055G | -46.02     | 2.39728G | -45.14     | 2.48782G | -49.66     | 21.504904G | -52.57     | 3    |
| 2.441917G | 11.09    | -18.91     | 513.475M  | -56.84     | 2.3996G  | -44.52     | 2.48502G | -50.09     | 24.331324G | -53.06     | 4    |

### HE20,BF\_Nss2,(MCS0)\_4TX

CSE NdB

2462MHz

26/01/2018



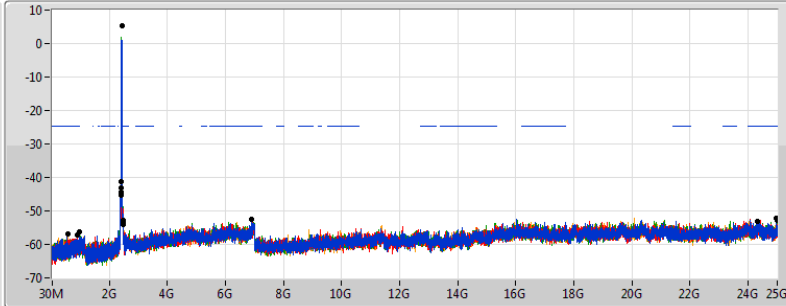
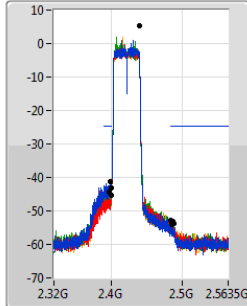
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 11.09    | -18.91     | 921.225M  | -56.54     | 2.39984G | -50.63     | 2.48462G | -39.96     | 24.370658G | -52.56     | 1    |
| 2.441917G | 11.09    | -18.91     | 2.305245G | -56.96     | 2.3984G  | -51.34     | 2.48646G | -42.93     | 21.507714G | -52.40     | 2    |
| 2.441917G | 11.09    | -18.91     | 2.30874G  | -57.51     | 2.39896G | -52.44     | 2.48414G | -42.74     | 2.52631G   | -45.81     | 3    |
| 2.441917G | 11.09    | -18.91     | 541.435M  | -56.62     | 2.39912G | -52.57     | 2.48366G | -42.49     | 24.384706G | -52.74     | 4    |

### 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

CSE NdB

2422MHz

26/01/2018



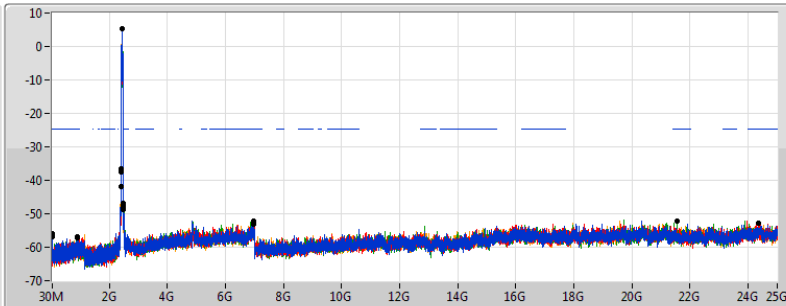
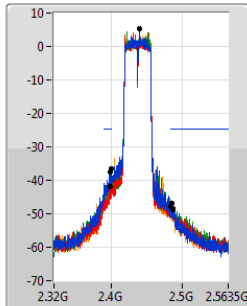
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.439412G | 5.38     | -24.62     | 954.015M | -56.18     | 2.39904G | -41.30     | 2.48446G | -54.15     | 6.902158G  | -52.45     | 1    |
| 2.439412G | 5.38     | -24.62     | 886.46M  | -57.04     | 2.39984G | -45.46     | 2.48382G | -52.81     | 24.96915G  | -52.20     | 2    |
| 2.439412G | 5.38     | -24.62     | 888.75M  | -57.19     | 2.39728G | -44.25     | 2.48654G | -53.11     | 24.997195G | -52.81     | 3    |
| 2.439412G | 5.38     | -24.62     | 569.295M | -56.94     | 2.39984G | -43.27     | 2.48782G | -53.69     | 24.315687G | -53.13     | 4    |

### 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

CSE NdB

2437MHz

26/01/2018



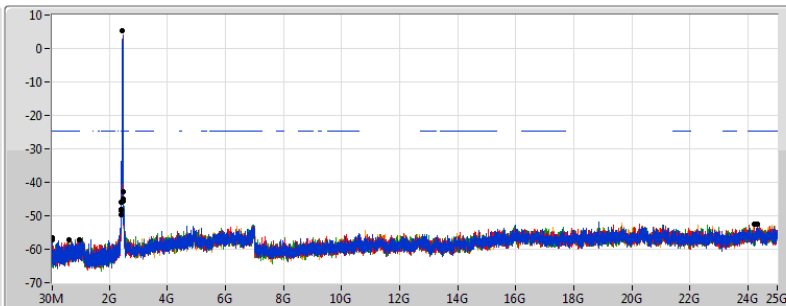
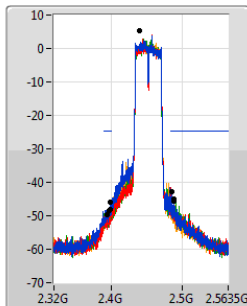
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.439412G | 5.38     | -24.62     | 878.445M | -56.76     | 2.3984G  | -37.37     | 2.48382G | -47.80     | 6.980686G  | -52.04     | 1    |
| 2.439412G | 5.38     | -24.62     | 30M      | -56.91     | 2.39888G | -41.81     | 2.48638G | -48.63     | 24.36056G  | -52.92     | 2    |
| 2.439412G | 5.38     | -24.62     | 32.29M   | -55.95     | 2.3992G  | -41.89     | 2.48446G | -46.85     | 21.533561G | -52.07     | 3    |
| 2.439412G | 5.38     | -24.62     | 881.88M  | -57.04     | 2.39952G | -36.42     | 2.48686G | -48.42     | 6.975077G  | -53.10     | 4    |

### 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

CSE NdB

2452MHz

26/01/2018



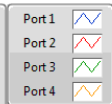
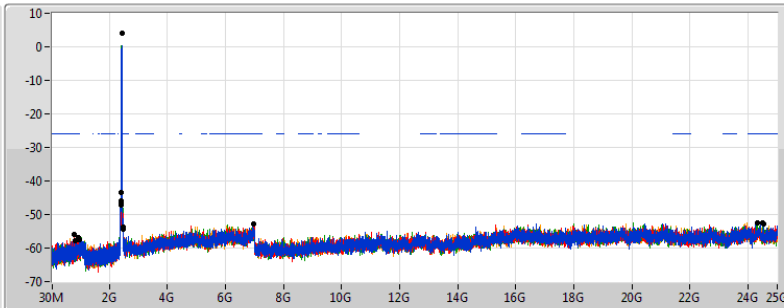
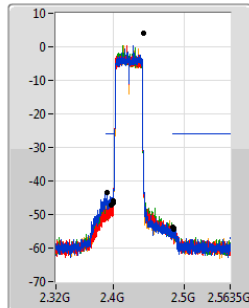
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.439412G | 5.38     | -24.62     | 31.145M  | -57.07     | 2.39904G | -45.87     | 2.48478G | -42.92     | 24.321296G | -52.43     | 1    |
| 2.439412G | 5.38     | -24.62     | 952.87M  | -57.22     | 2.39472G | -49.64     | 2.4883G  | -45.68     | 24.223136G | -52.37     | 2    |
| 2.439412G | 5.38     | -24.62     | 604.79M  | -57.08     | 2.39904G | -48.26     | 2.4875G  | -45.40     | 24.326905G | -52.58     | 3    |
| 2.439412G | 5.38     | -24.62     | 30M      | -56.50     | 2.39696G | -48.41     | 2.48718G | -45.14     | 24.326905G | -52.39     | 4    |

### HE40,BF\_Nss2,(MCS0)\_4TX

CSE NdB

2422MHz

26/01/2018



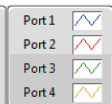
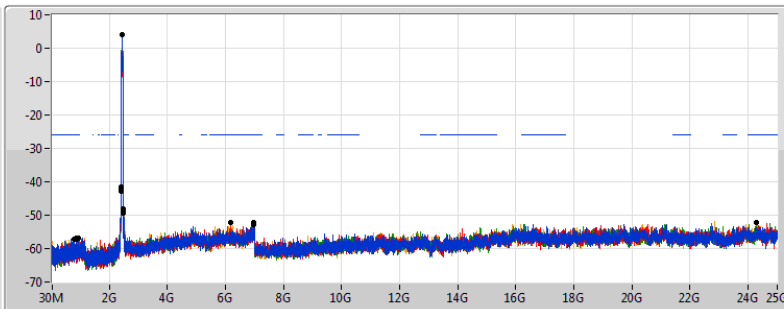
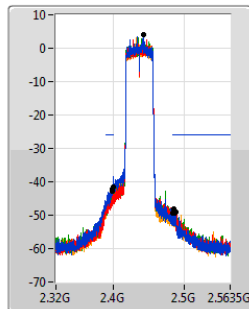
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 4.13     | -25.87     | 952.87M  | -57.39     | 2.392G   | -43.35     | 2.48398G | -53.80     | 24.517615G | -52.67     | 1    |
| 2.441917G | 4.13     | -25.87     | 791.425M | -56.01     | 2.39552G | -46.47     | 2.48414G | -54.20     | 6.955445G  | -52.87     | 2    |
| 2.441917G | 4.13     | -25.87     | 823.485M | -57.67     | 2.39664G | -47.18     | 2.48478G | -54.03     | 24.492374G | -52.47     | 3    |
| 2.441917G | 4.13     | -25.87     | 933.405M | -57.00     | 2.39984G | -45.88     | 2.4843G  | -54.32     | 24.3241G   | -52.52     | 4    |

### HE40,BF\_Nss2,(MCS0)\_4TX

CSE NdB

2437MHz

26/01/2018



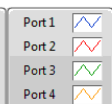
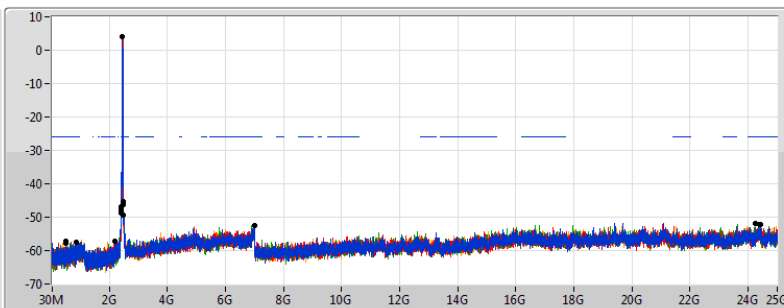
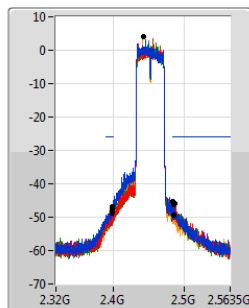
| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 4.13     | -25.87     | 849.82M  | -57.14     | 2.39984G | -41.43     | 2.48654G | -49.36     | 6.972272G  | -52.26     | 1    |
| 2.441917G | 4.13     | -25.87     | 855.545M | -57.03     | 2.39824G | -42.28     | 2.48766G | -48.99     | 6.181386G  | -52.20     | 2    |
| 2.441917G | 4.13     | -25.87     | 912.795M | -57.03     | 2.39824G | -42.09     | 2.48494G | -48.10     | 24.276423G | -52.22     | 3    |
| 2.441917G | 4.13     | -25.87     | 773.105M | -57.13     | 2.39936G | -42.67     | 2.48382G | -49.38     | 6.966663G  | -52.91     | 4    |

### HE40,BF\_Nss2,(MCS0)\_4TX

CSE NdB

2452MHz

26/01/2018



| Ref(Hz)   | Ref(dBm) | Limit(dBm) | Freq(Hz)  | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz) | Level(dBm) | Freq(Hz)   | Level(dBm) | Port |
|-----------|----------|------------|-----------|------------|----------|------------|----------|------------|------------|------------|------|
| 2.441917G | 4.13     | -25.87     | 507.465M  | -57.69     | 2.39808G | -46.78     | 2.48366G | -45.27     | 6.994709G  | -52.63     | 1    |
| 2.441917G | 4.13     | -25.87     | 513.19M   | -57.20     | 2.39936G | -47.19     | 2.48638G | -45.83     | 24.439088G | -52.08     | 2    |
| 2.441917G | 4.13     | -25.87     | 864.705M  | -57.49     | 2.39824G | -48.67     | 2.4843G  | -46.13     | 24.385801G | -52.05     | 3    |
| 2.441917G | 4.13     | -25.87     | 2.199775G | -57.22     | 2.39856G | -47.82     | 2.48446G | -49.32     | 24.248377G | -51.84     | 4    |

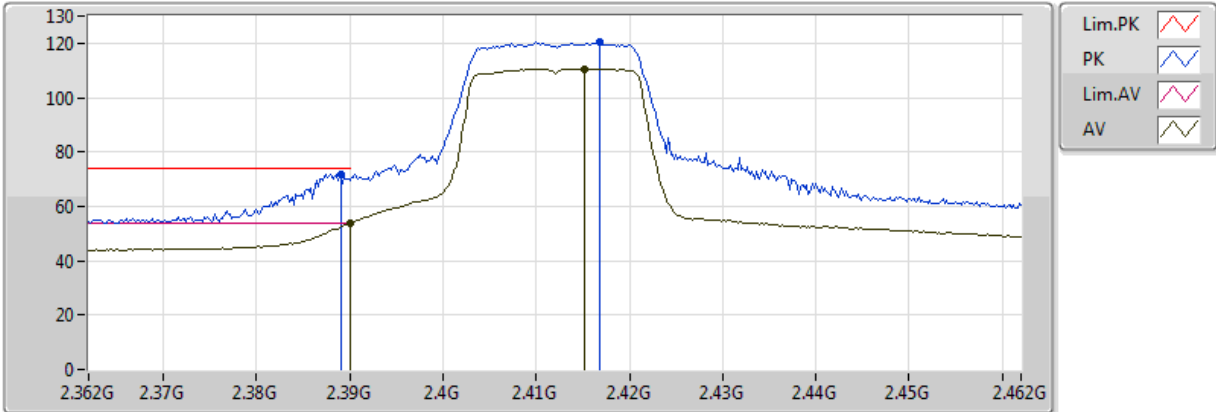
**Summary**

| 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                     | -      | -    | -            | -                 | -                 | -              | -              | -           | -         | -              | -             | -        |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | Pass   | PK   | 2.483502G    | 73.99             | 74.00             | -0.01          | 32.42          | 3           | Vertical  | 81             | 1.78          | -        |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2412MHz\_TX

12/02/2018



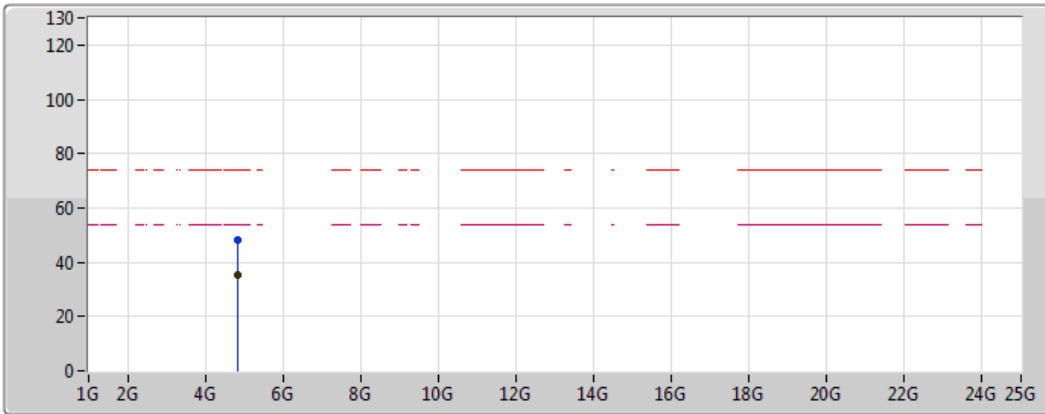
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 78  
06-L-3  
FSP(100304)

| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height |  |  |  |  |  |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|--|--|--|--|--|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |  |  |  |  |  |
| AV   | 2.39G   | 53.92    | 54.00    | -0.08  | 32.12  | 3    | Vertical  | 65      | 2.03   |  |  |  |  |  |
| AV   | 2.4152G | 110.56   | Inf      | -Inf   | 32.20  | 3    | Vertical  | 65      | 2.03   |  |  |  |  |  |
| PK   | 2.389G  | 71.88    | 74.00    | -2.12  | 32.11  | 3    | Vertical  | 65      | 2.03   |  |  |  |  |  |
| PK   | 2.4168G | 120.29   | Inf      | -Inf   | 32.20  | 3    | Vertical  | 65      | 2.03   |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2412MHz\_TX

23/02/2018



Legend:

- Lim.PK (Red line)
- PK (Blue line)
- Lim.AV (Pink line)
- AV (Green line)

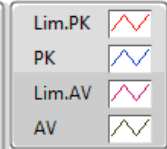
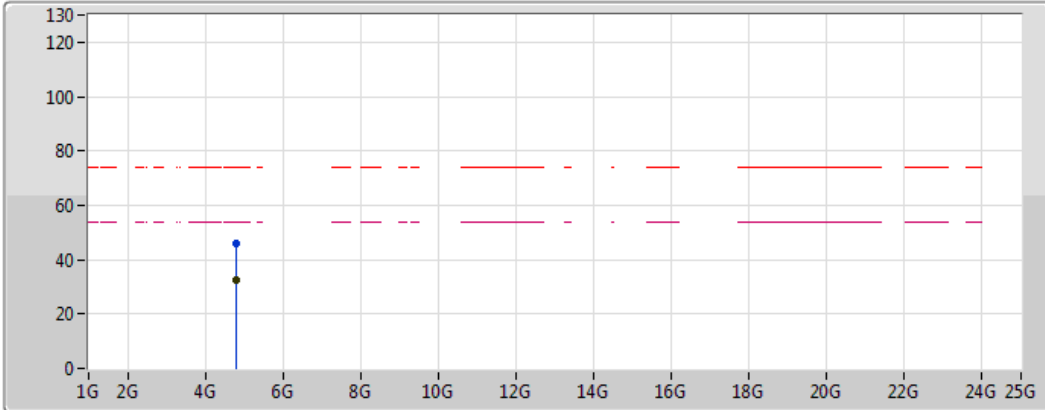
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 78  
03-R-5  
FSP

| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height |  |  |  |  |  |
|------|----------|----------|----------|--------|--------|------|-----------|---------|--------|--|--|--|--|--|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |  |  |  |  |  |
| AV   | 4.82754G | 35.33    | 54.00    | -18.67 | 4.86   | 3    | Vertical  | 177     | 1.50   |  |  |  |  |  |
| PK   | 4.82856G | 48.42    | 74.00    | -25.58 | 4.86   | 3    | Vertical  | 177     | 1.50   |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2412MHz\_TX

23/02/2018



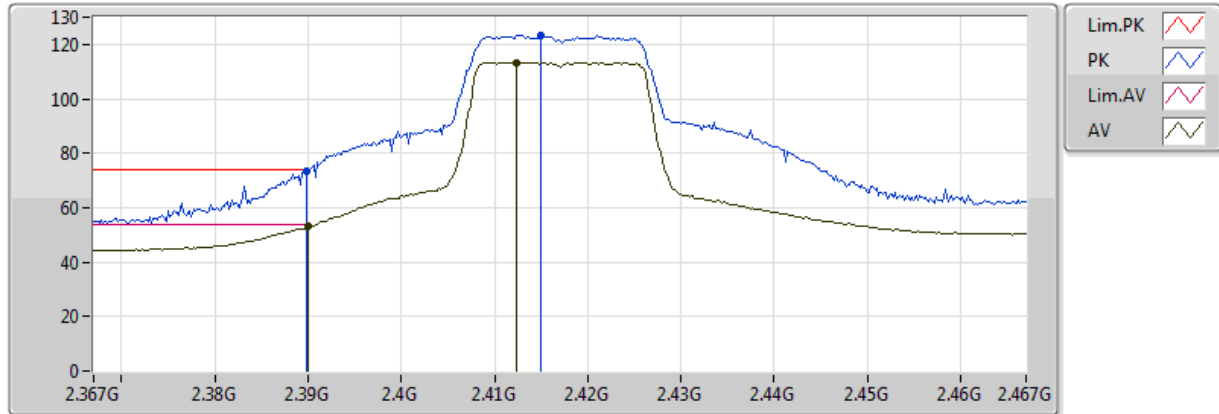
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 78  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.81002G     | 32.65             | 54.00             | -21.35         | 4.84           | 3           | Horizontal | 144            | 1.50          |  |  |  |  |  |
| PK   | 4.8132G      | 46.04             | 74.00             | -27.96         | 4.85           | 3           | Horizontal | 144            | 1.50          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2417MHz\_TX

12/02/2018



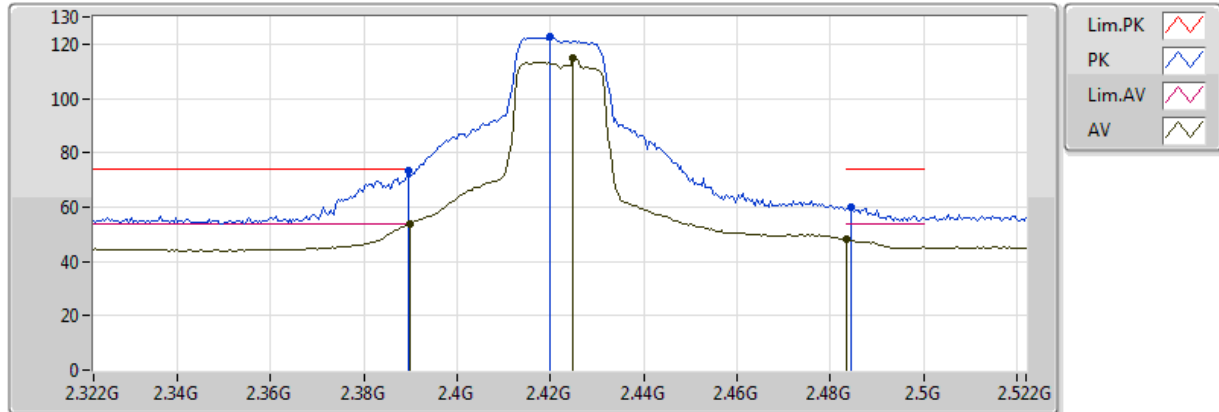
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 86  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.01             | 54.00             | -0.99          | 32.12          | 3           | Vertical  | 303            | 2.05          |  |  |  |  |  |
| AV   | 2.4124G      | 113.38            | Inf               | -Inf           | 32.19          | 3           | Vertical  | 303            | 2.05          |  |  |  |  |  |
| PK   | 2.3898G      | 73.37             | 74.00             | -0.63          | 32.12          | 3           | Vertical  | 303            | 2.05          |  |  |  |  |  |
| PK   | 2.415G       | 123.38            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 303            | 2.05          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

12/02/2018



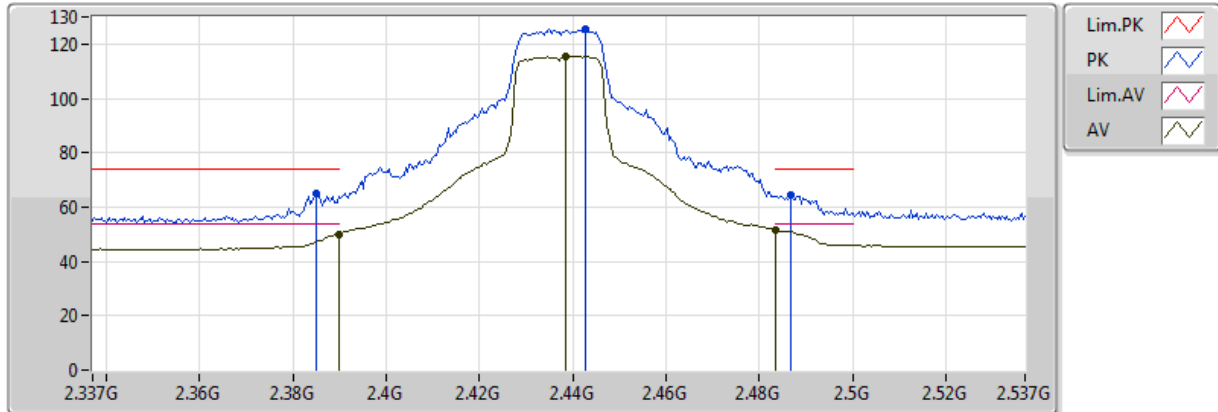
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 88  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.82             | 54.00             | -0.18          | 32.12          | 3           | Vertical  | 47             | 1.57          |  |  |  |  |  |
| AV   | 2.4248G      | 114.72            | Inf               | -Inf           | 32.23          | 3           | Vertical  | 47             | 1.57          |  |  |  |  |  |
| AV   | 2.4836G      | 47.97             | 54.00             | -6.03          | 32.42          | 3           | Vertical  | 47             | 1.57          |  |  |  |  |  |
| PK   | 2.3896G      | 73.55             | 74.00             | -0.45          | 32.12          | 3           | Vertical  | 47             | 1.57          |  |  |  |  |  |
| PK   | 2.42G        | 122.56            | Inf               | -Inf           | 32.21          | 3           | Vertical  | 47             | 1.57          |  |  |  |  |  |
| PK   | 2.4844G      | 59.87             | 74.00             | -14.13         | 32.42          | 3           | Vertical  | 47             | 1.57          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



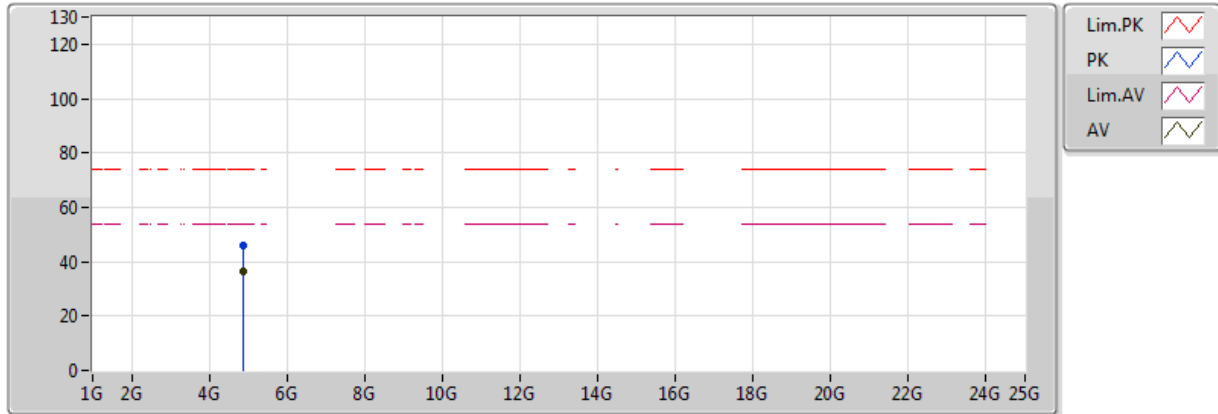
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 50.09             | 54.00             | -3.91          | 32.12          | 3           | Vertical  | 59             | 1.80          |  |  |  |  |  |
| AV   | 2.4386G      | 115.52            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 59             | 1.80          |  |  |  |  |  |
| AV   | 2.483502G    | 51.44             | 54.00             | -2.56          | 32.42          | 3           | Vertical  | 59             | 1.80          |  |  |  |  |  |
| PK   | 2.385G       | 64.76             | 74.00             | -9.24          | 32.10          | 3           | Vertical  | 59             | 1.80          |  |  |  |  |  |
| PK   | 2.4426G      | 125.51            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 59             | 1.80          |  |  |  |  |  |
| PK   | 2.4866G      | 64.46             | 74.00             | -9.54          | 32.43          | 3           | Vertical  | 59             | 1.80          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



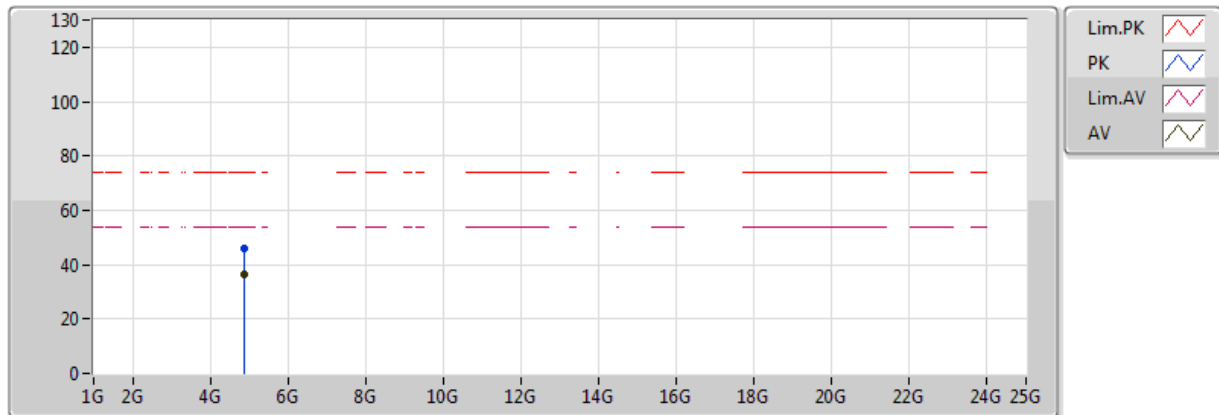
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87432G     | 36.61             | 54.00             | -17.39         | 4.91           | 3           | Vertical  | 227            | 2.96          |  |  |  |  |  |
| PK   | 4.87572G     | 46.12             | 74.00             | -27.88         | 4.92           | 3           | Vertical  | 227            | 2.96          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



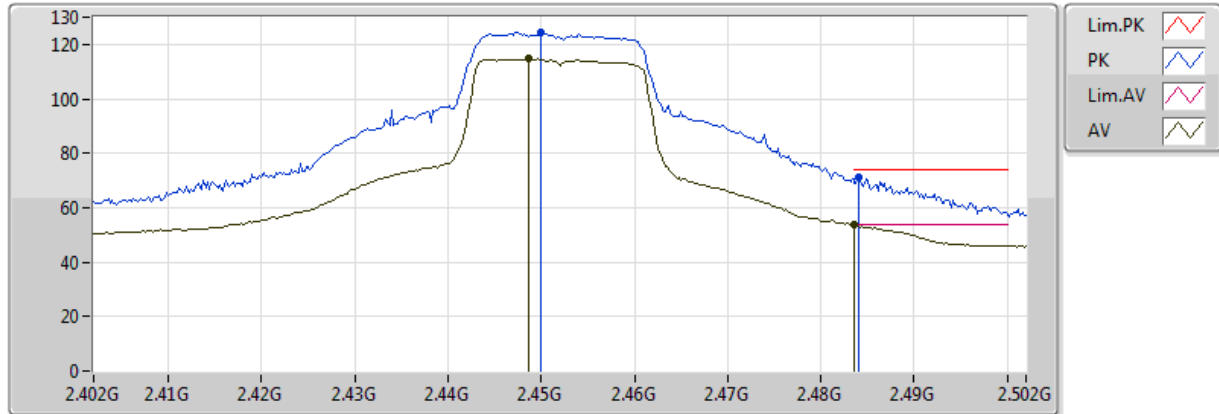
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87392G     | 36.55             | 54.00             | -17.45         | 4.91           | 3           | Horizontal | 337            | 1.32          |  |  |  |  |  |
| PK   | 4.8654G      | 45.71             | 74.00             | -28.29         | 4.90           | 3           | Horizontal | 337            | 1.32          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

12/02/2018



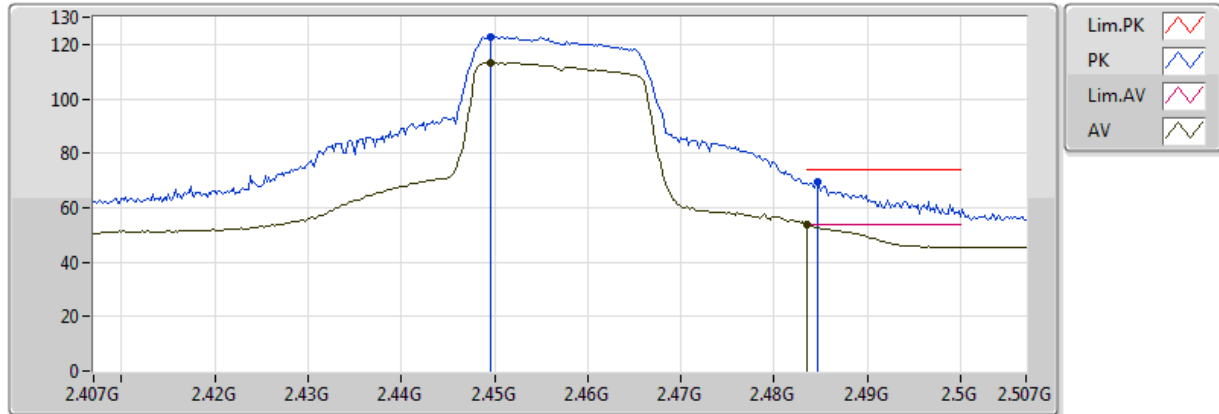
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 90  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4486G      | 114.71            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 232            | 2.68          |  |  |  |  |  |
| AV   | 2.4836G      | 53.58             | 54.00             | -0.42          | 32.42          | 3           | Vertical  | 232            | 2.68          |  |  |  |  |  |
| PK   | 2.45G        | 124.25            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 232            | 2.68          |  |  |  |  |  |
| PK   | 2.484G       | 71.19             | 74.00             | -2.81          | 32.42          | 3           | Vertical  | 232            | 2.68          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2457MHz\_TX

12/02/2018



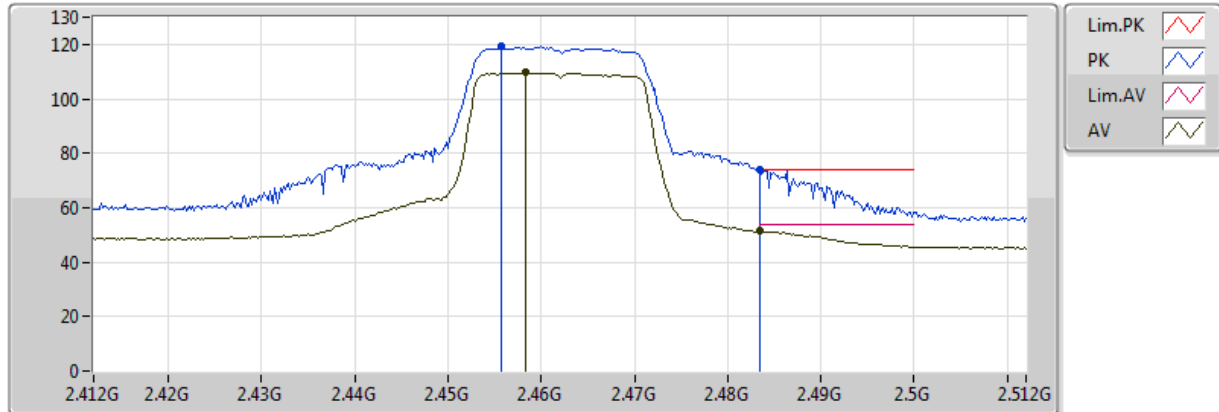
20180212  
EUT\_Z\_4 TX\_Dipole  
Setting 89  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4496G      | 113.38            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 315            | 1.83          |  |  |  |  |  |
| AV   | 2.483502G    | 53.75             | 54.00             | -0.25          | 32.42          | 3           | Vertical  | 315            | 1.83          |  |  |  |  |  |
| PK   | 2.4496G      | 122.75            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 315            | 1.83          |  |  |  |  |  |
| PK   | 2.4846G      | 69.37             | 74.00             | -4.63          | 32.42          | 3           | Vertical  | 315            | 1.83          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

12/02/2018



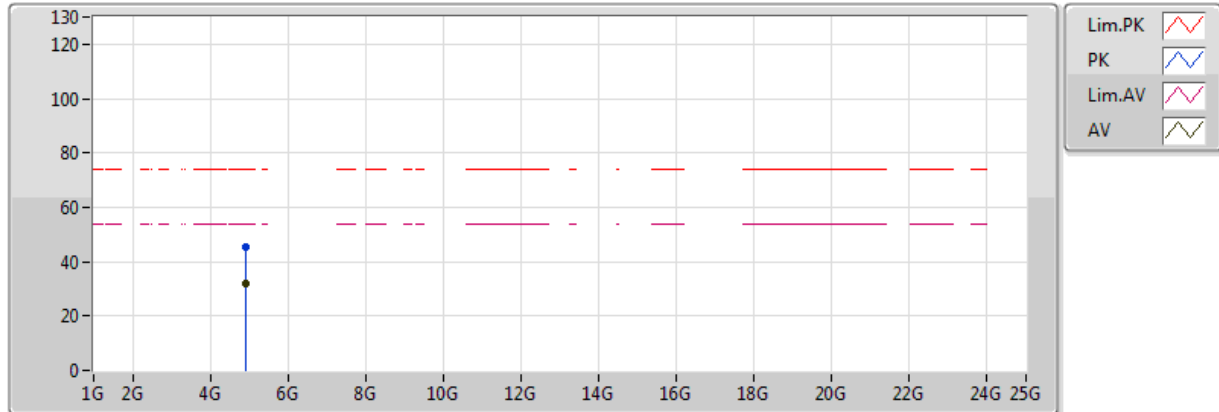
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 78  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4584G      | 109.59            | Inf               | -Inf           | 32.34          | 3           | Vertical  | 81             | 1.78          |  |  |  |  |  |
| AV   | 2.483502G    | 51.65             | 54.00             | -2.35          | 32.42          | 3           | Vertical  | 81             | 1.78          |  |  |  |  |  |
| PK   | 2.4558G      | 119.43            | Inf               | -Inf           | 32.33          | 3           | Vertical  | 81             | 1.78          |  |  |  |  |  |
| PK   | 2.483502G    | 73.99             | 74.00             | -0.01          | 32.42          | 3           | Vertical  | 81             | 1.78          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

23/02/2018



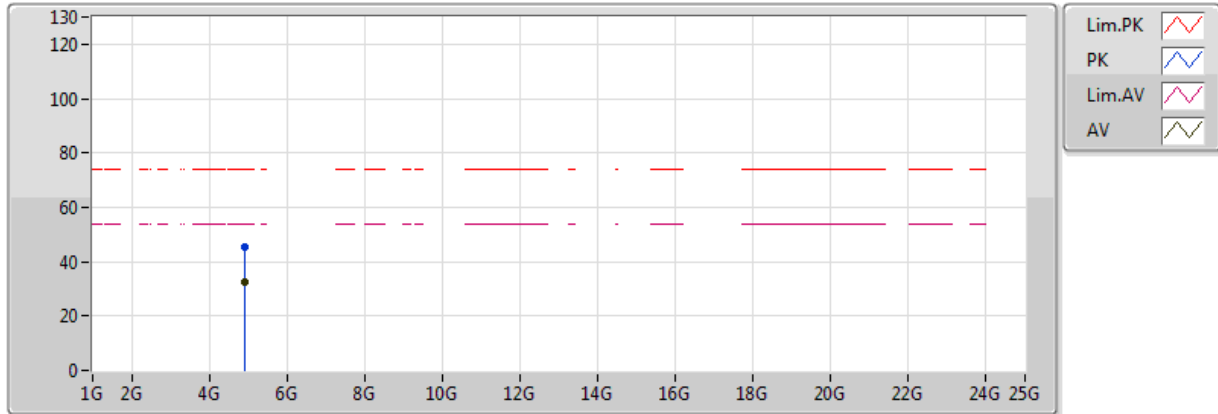
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 78  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.91404G     | 31.85             | 54.00             | -22.15         | 4.96           | 3           | Vertical  | 353            | 2.05          |  |  |  |  |  |
| PK   | 4.93092G     | 45.31             | 74.00             | -28.69         | 4.99           | 3           | Vertical  | 353            | 2.05          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

23/02/2018



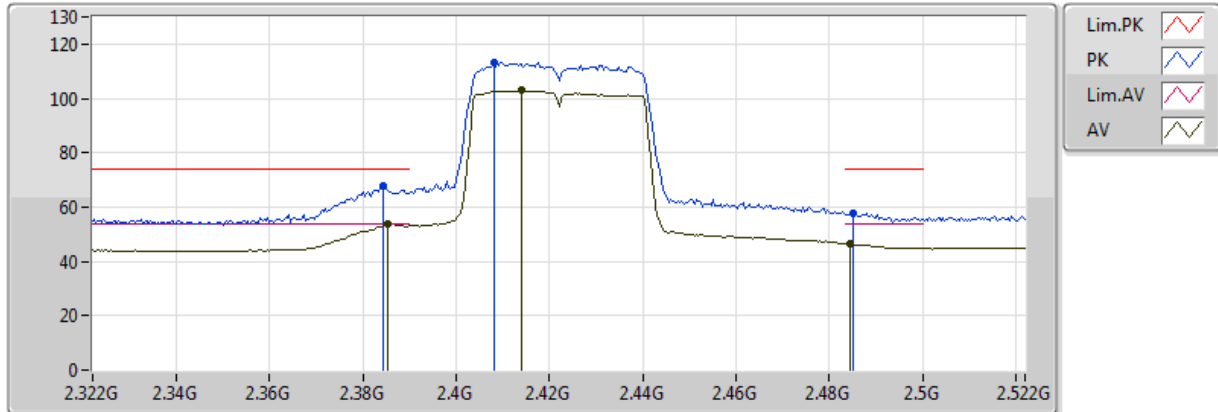
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 78  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.924G       | 32.27             | 54.00             | -21.73         | 4.98           | 3           | Horizontal | 337            | 1.01          |  |  |  |  |  |
| PK   | 4.93268G     | 45.30             | 74.00             | -28.70         | 4.99           | 3           | Horizontal | 337            | 1.01          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

12/02/2018



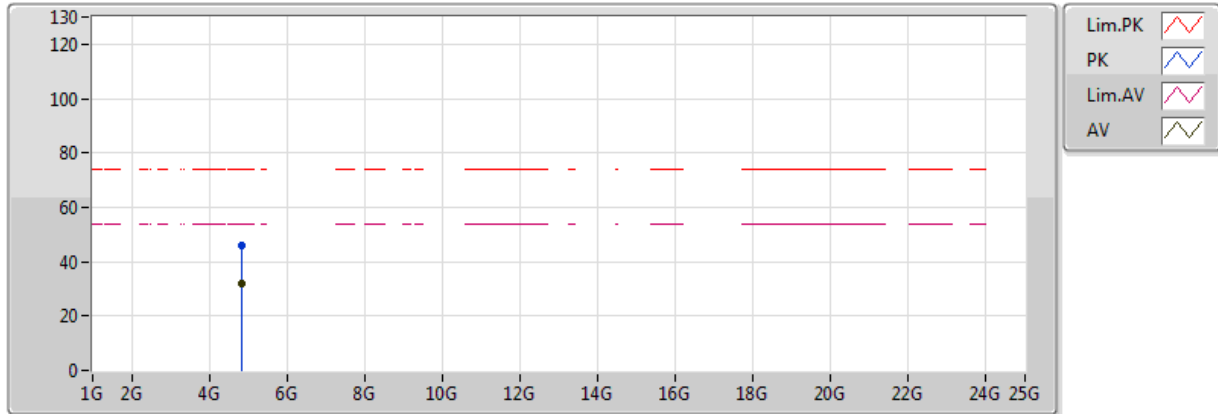
20180212  
EUT\_Z\_4 TX\_Dipole  
Setting 60  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3852G      | 53.68             | 54.00             | -0.32          | 32.10          | 3           | Vertical  | 127            | 1.53          |  |  |  |  |  |
| AV   | 2.414G       | 102.89            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 127            | 1.53          |  |  |  |  |  |
| AV   | 2.4844G      | 46.50             | 54.00             | -7.50          | 32.42          | 3           | Vertical  | 127            | 1.53          |  |  |  |  |  |
| PK   | 2.3844G      | 68.07             | 74.00             | -5.93          | 32.10          | 3           | Vertical  | 127            | 1.53          |  |  |  |  |  |
| PK   | 2.408G       | 113.37            | Inf               | -Inf           | 32.18          | 3           | Vertical  | 127            | 1.53          |  |  |  |  |  |
| PK   | 2.4852G      | 57.82             | 74.00             | -16.18         | 32.43          | 3           | Vertical  | 127            | 1.53          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



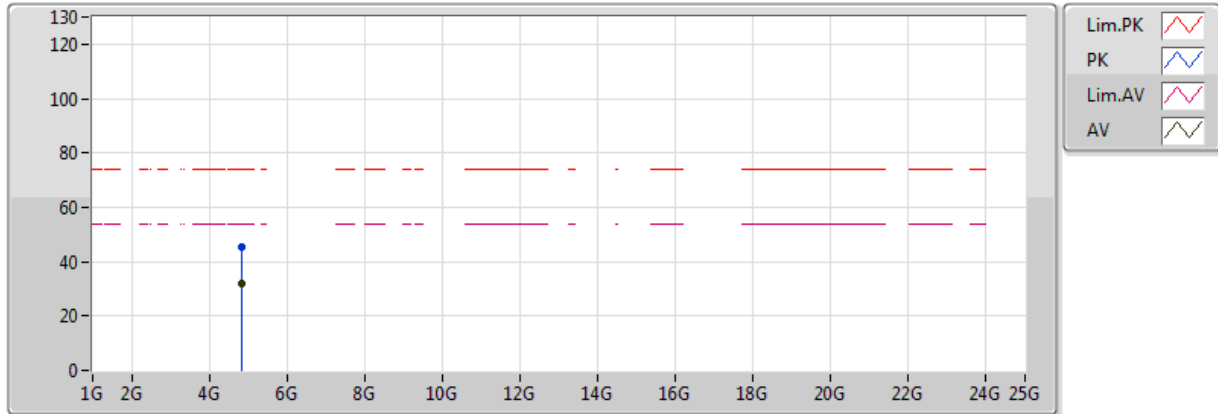
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 60  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.84188G     | 32.00             | 54.00             | -22.00         | 4.88           | 3           | Vertical  | 163            | 2.31          |  |  |  |  |  |
| PK   | 4.85244G     | 45.71             | 74.00             | -28.29         | 4.89           | 3           | Vertical  | 163            | 2.31          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



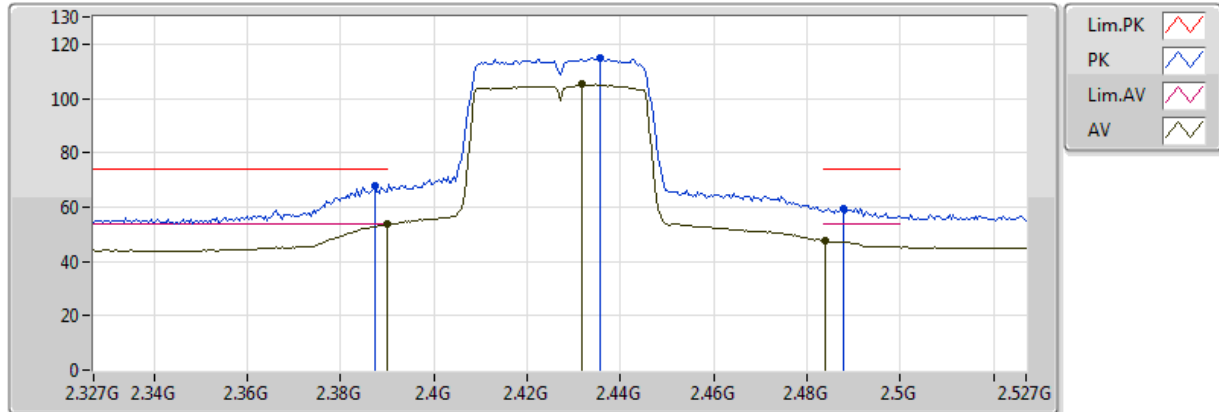
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 60  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.85268G     | 31.87             | 54.00             | -22.13         | 4.89           | 3           | Horizontal | 39             | 1.50          |  |  |  |  |  |
| PK   | 4.84328G     | 45.45             | 74.00             | -28.55         | 4.88           | 3           | Horizontal | 39             | 1.50          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2427MHz\_TX

12/02/2018



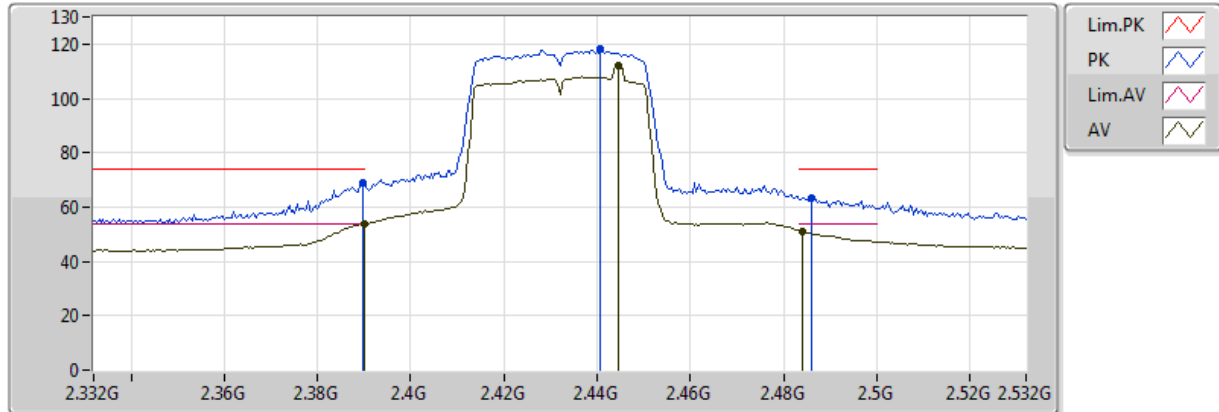
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 63  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 53.90             | 54.00             | -0.10          | 32.12          | 3           | Vertical  | 296            | 2.24          |  |  |  |  |  |
| AV   | 2.4318G      | 105.28            | Inf               | -Inf           | 32.25          | 3           | Vertical  | 296            | 2.24          |  |  |  |  |  |
| AV   | 2.4838G      | 47.63             | 54.00             | -6.37          | 32.42          | 3           | Vertical  | 296            | 2.24          |  |  |  |  |  |
| PK   | 2.3874G      | 67.79             | 74.00             | -6.21          | 32.11          | 3           | Vertical  | 296            | 2.24          |  |  |  |  |  |
| PK   | 2.4358G      | 115.11            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 296            | 2.24          |  |  |  |  |  |
| PK   | 2.4878G      | 59.45             | 74.00             | -14.55         | 32.44          | 3           | Vertical  | 296            | 2.24          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



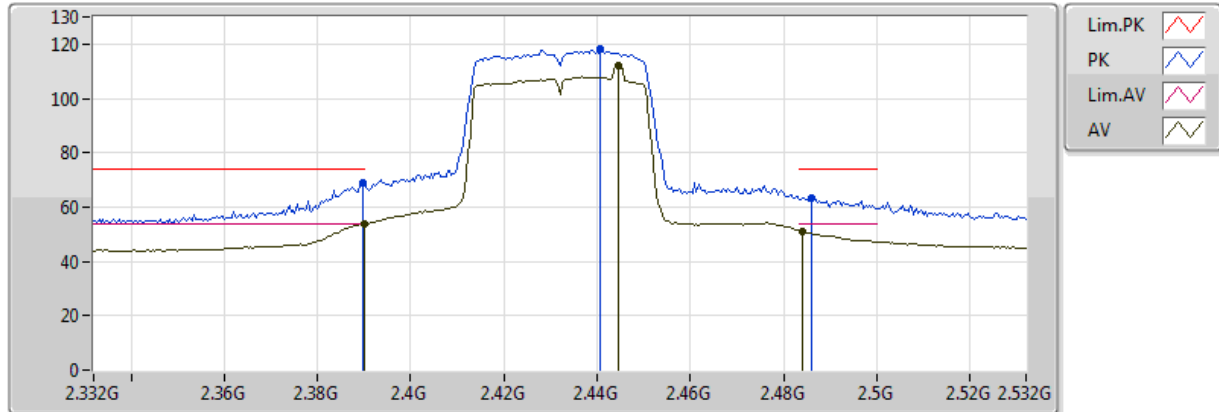
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.444G       | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



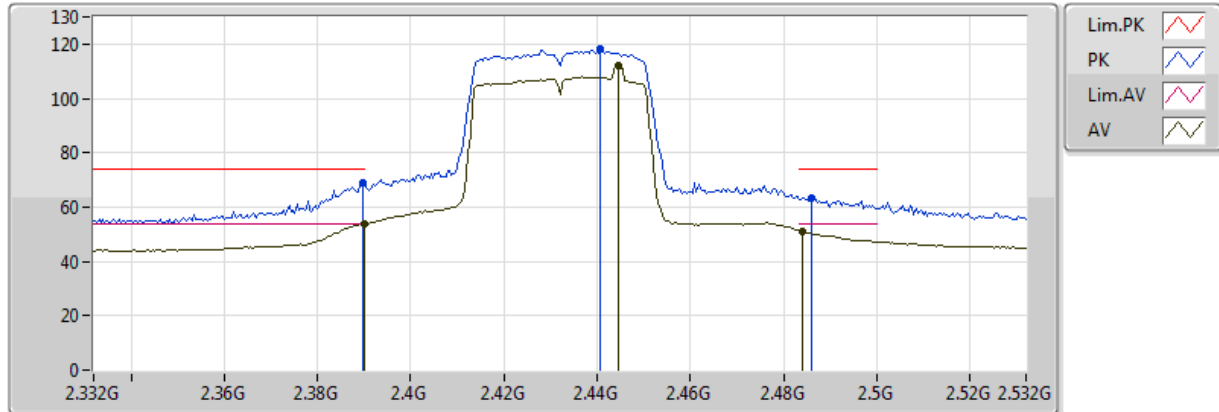
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.444G       | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



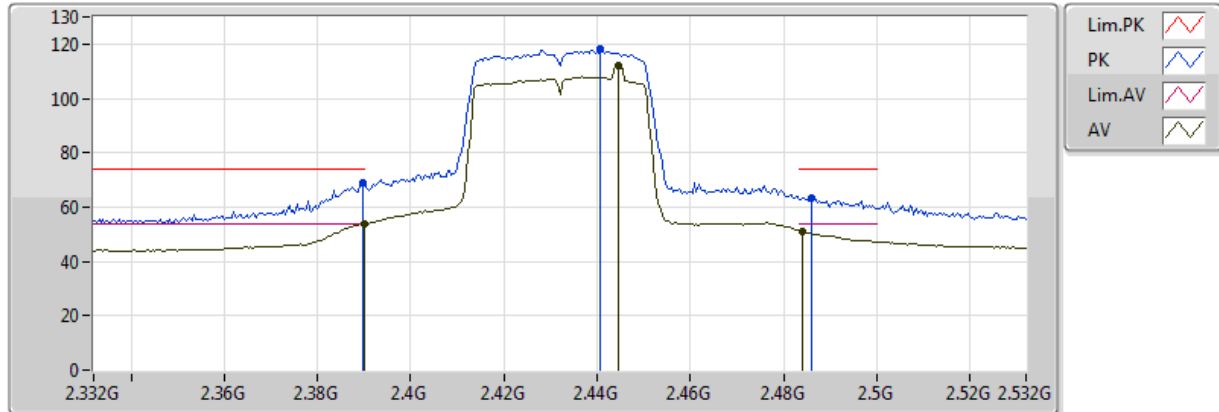
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.4444G      | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



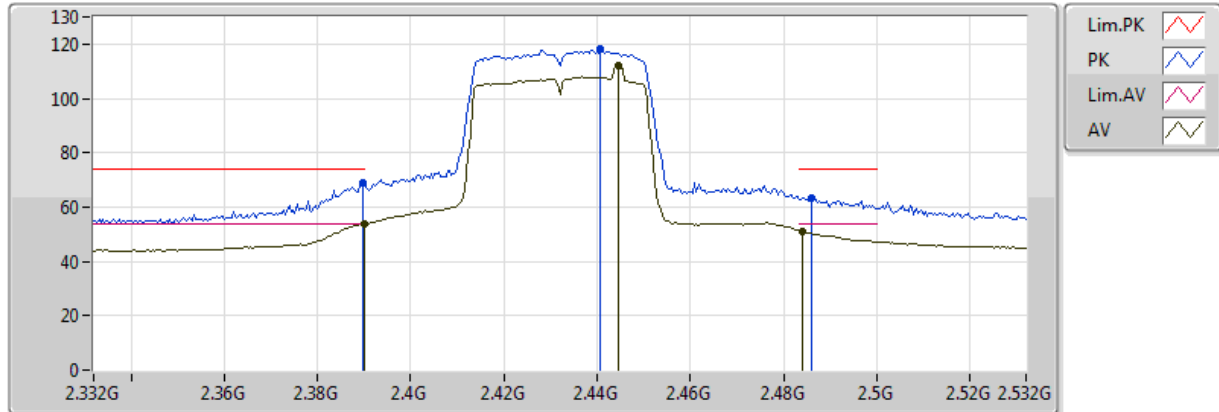
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.4444G      | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



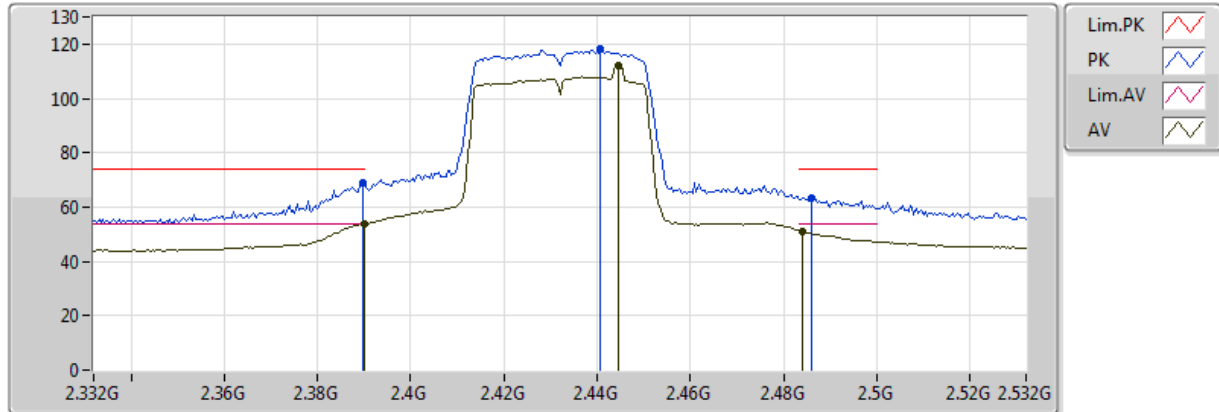
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.4444G      | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



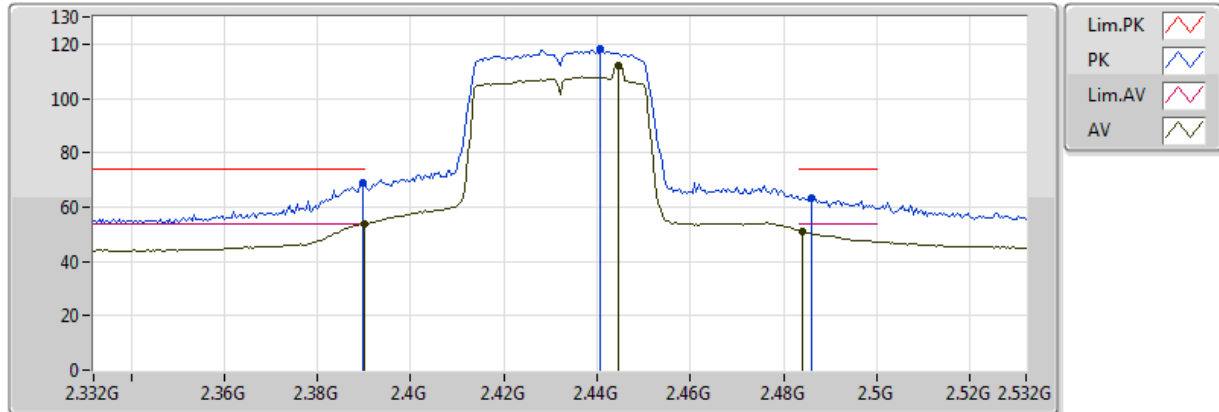
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.444G       | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



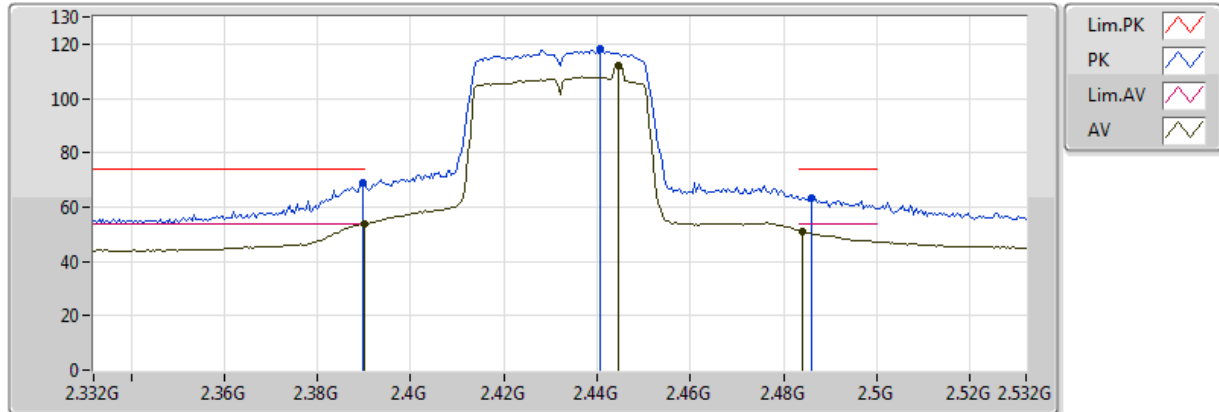
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.4444G      | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



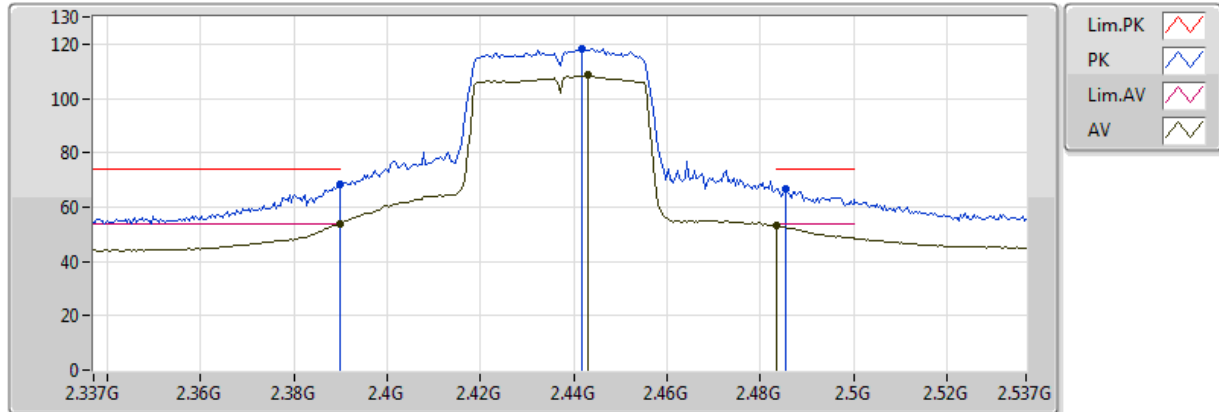
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 71  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.76             | 54.00             | -0.24          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.444G       | 112.03            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| AV   | 2.484G       | 51.24             | 54.00             | -2.76          | 32.42          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.3896G      | 68.89             | 74.00             | -5.11          | 32.12          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.4408G      | 118.20            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |
| PK   | 2.486G       | 63.39             | 74.00             | -10.61         | 32.43          | 3           | Vertical  | 307            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



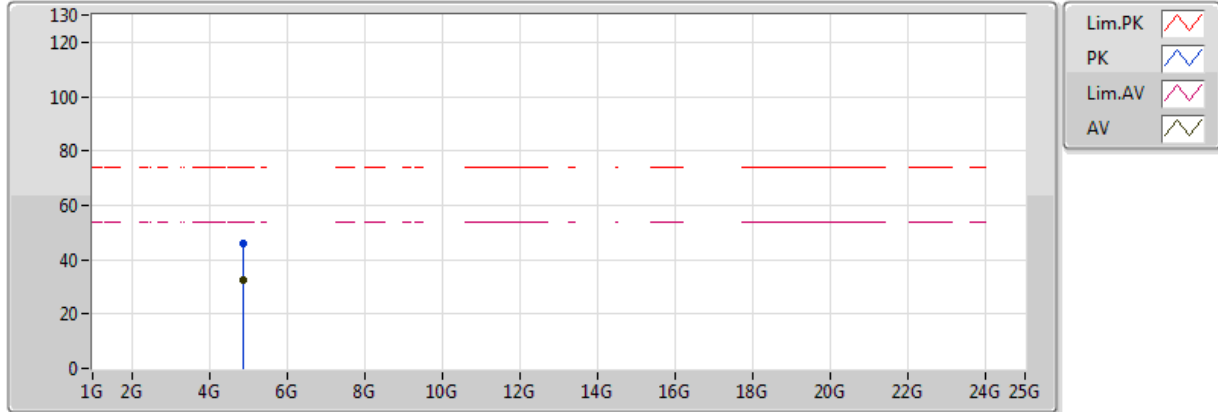
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 53.94             | 54.00             | -0.06          | 32.12          | 3           | Vertical  | 128            | 2.17          |  |  |  |  |  |
| AV   | 2.443G       | 108.70            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 128            | 2.17          |  |  |  |  |  |
| AV   | 2.483502G    | 53.00             | 54.00             | -1.00          | 32.42          | 3           | Vertical  | 128            | 2.17          |  |  |  |  |  |
| PK   | 2.389998G    | 68.10             | 74.00             | -5.90          | 32.12          | 3           | Vertical  | 128            | 2.17          |  |  |  |  |  |
| PK   | 2.4418G      | 118.26            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 128            | 2.17          |  |  |  |  |  |
| PK   | 2.4854G      | 66.74             | 74.00             | -7.26          | 32.43          | 3           | Vertical  | 128            | 2.17          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



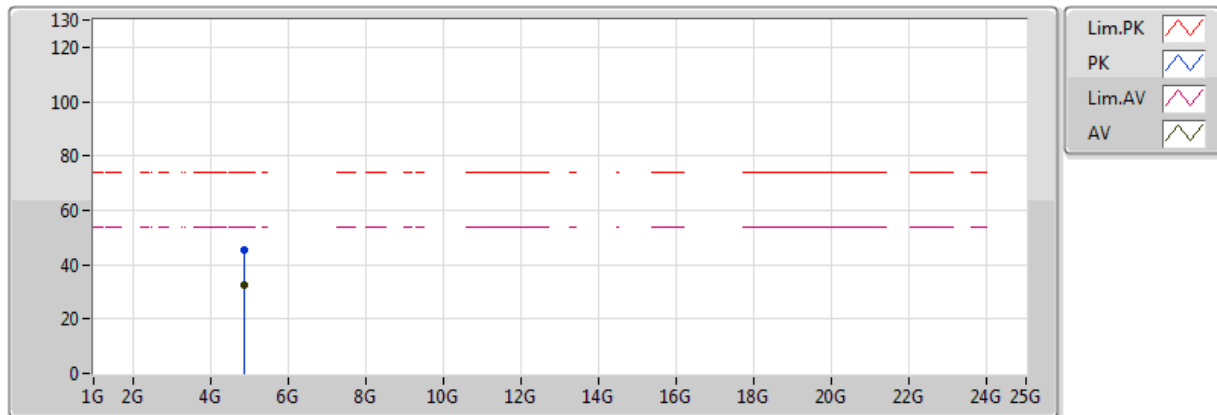
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87348G     | 32.29             | 54.00             | -21.71         | 4.91           | 3           | Vertical  | 119            | 1.50          |  |  |  |  |  |
| PK   | 4.86504G     | 46.00             | 74.00             | -28.00         | 4.90           | 3           | Vertical  | 119            | 1.50          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



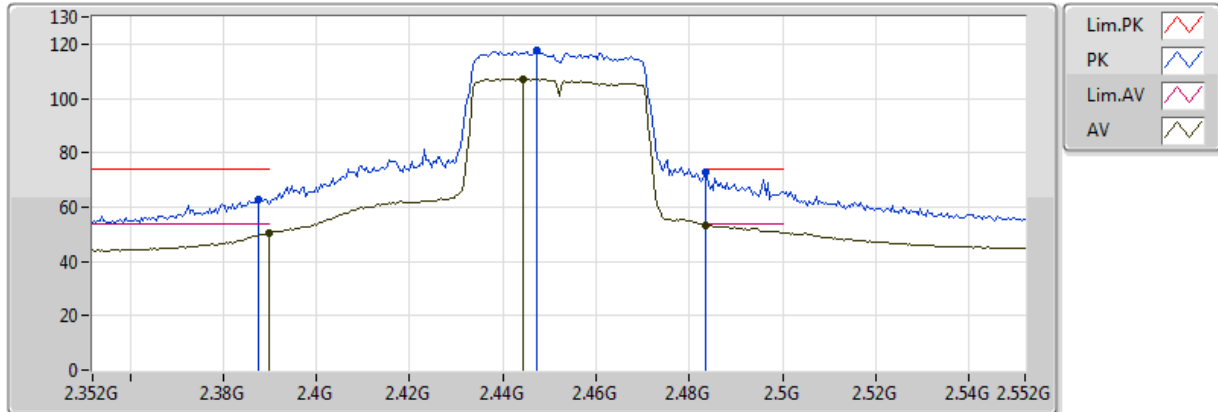
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 76  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.86436G     | 32.63             | 54.00             | -21.37         | 4.90           | 3           | Horizontal | 358            | 1.50          |  |  |  |  |  |
| PK   | 4.87208G     | 45.57             | 74.00             | -28.43         | 4.91           | 3           | Horizontal | 358            | 1.50          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

12/02/2018



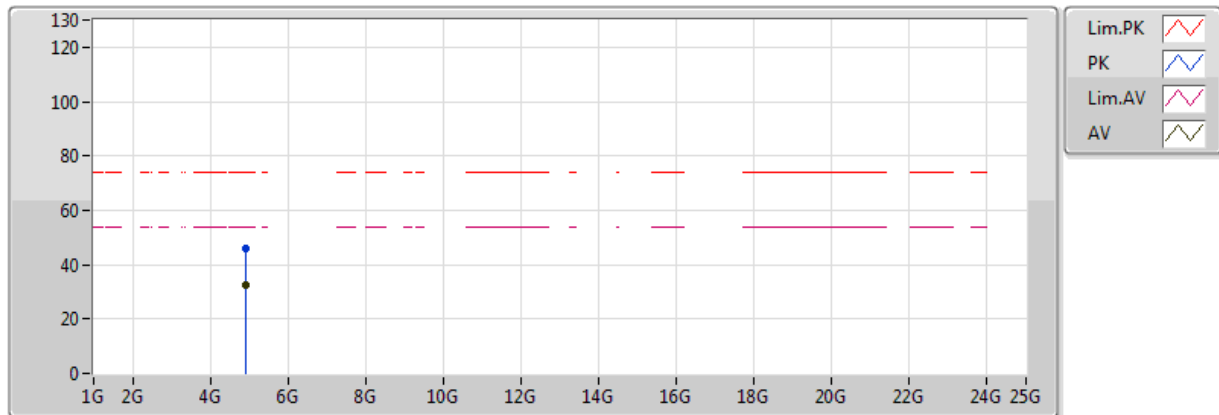
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 78  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 50.37             | 54.00             | -3.63          | 32.12          | 3           | Vertical  | 136            | 2.27          |  |  |  |  |  |
| AV   | 2.4444G      | 107.14            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 136            | 2.27          |  |  |  |  |  |
| AV   | 2.4836G      | 53.42             | 54.00             | -0.58          | 32.42          | 3           | Vertical  | 136            | 2.27          |  |  |  |  |  |
| PK   | 2.3876G      | 62.82             | 74.00             | -11.18         | 32.11          | 3           | Vertical  | 136            | 2.27          |  |  |  |  |  |
| PK   | 2.4472G      | 117.64            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 136            | 2.27          |  |  |  |  |  |
| PK   | 2.4836G      | 72.65             | 74.00             | -1.35          | 32.42          | 3           | Vertical  | 136            | 2.27          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



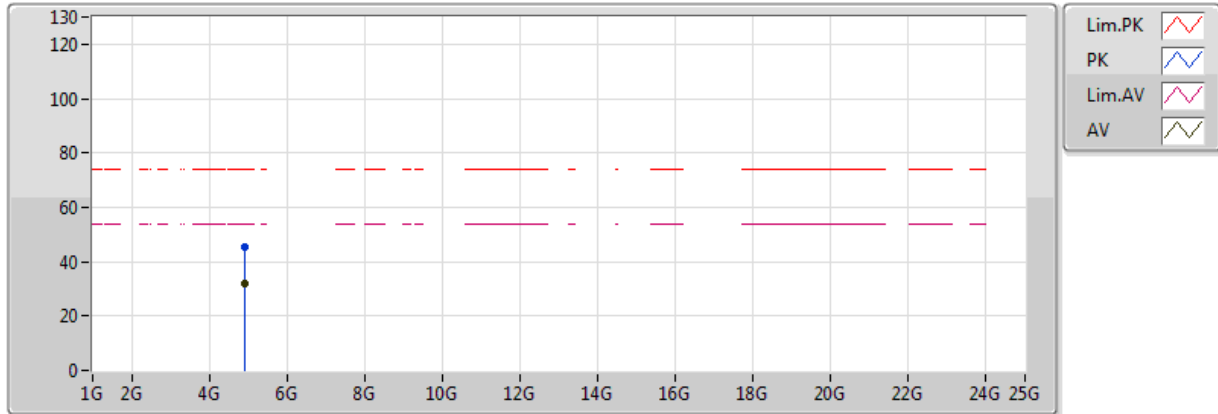
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 78  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.90812G     | 32.40             | 54.00             | -21.60         | 4.95           | 3           | Vertical  | 110            | 1.50          |  |  |  |  |  |
| PK   | 4.90384G     | 46.09             | 74.00             | -27.91         | 4.95           | 3           | Vertical  | 110            | 1.50          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



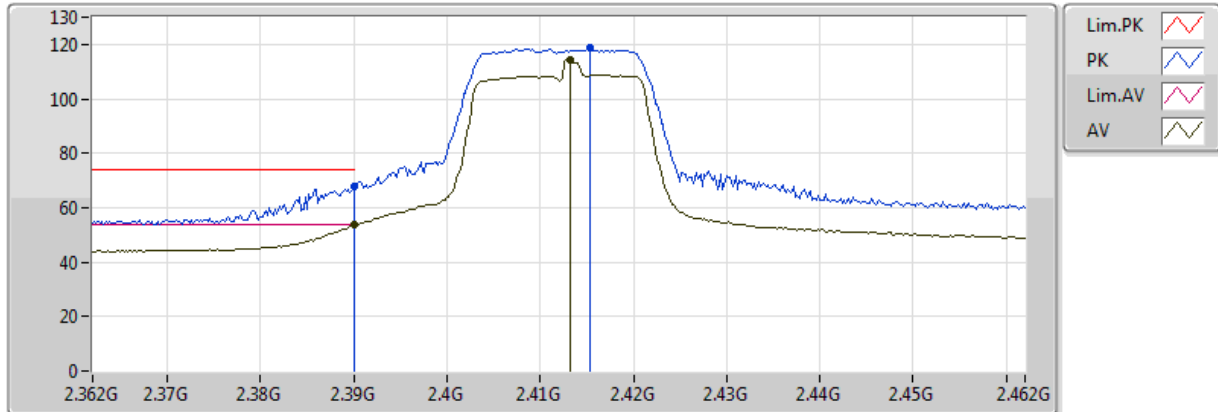
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 78  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.89748G     | 32.15             | 54.00             | -21.85         | 4.94           | 3           | Horizontal | 16             | 2.39          |  |  |  |  |  |
| PK   | 4.90444G     | 45.53             | 74.00             | -28.47         | 4.95           | 3           | Horizontal | 16             | 2.39          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2412MHz\_TX

12/02/2018



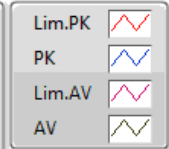
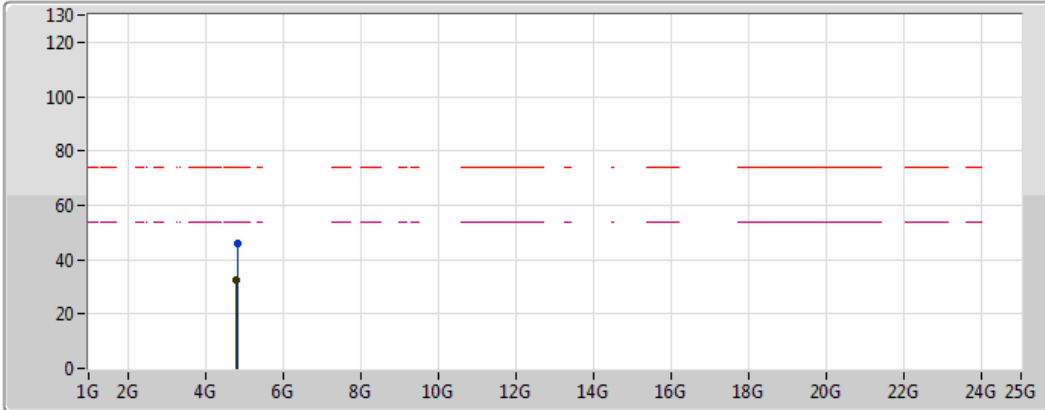
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 78  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.85             | 54.00             | -0.15          | 32.12          | 3           | Vertical  | 247            | 2.52          |  |  |  |  |  |
| AV   | 2.4132G      | 114.35            | Inf               | -Inf           | 32.19          | 3           | Vertical  | 247            | 2.52          |  |  |  |  |  |
| PK   | 2.39G        | 67.56             | 74.00             | -6.44          | 32.12          | 3           | Vertical  | 247            | 2.52          |  |  |  |  |  |
| PK   | 2.4154G      | 119.03            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 247            | 2.52          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2412MHz\_TX

23/02/2018



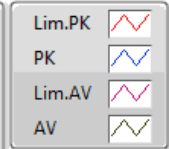
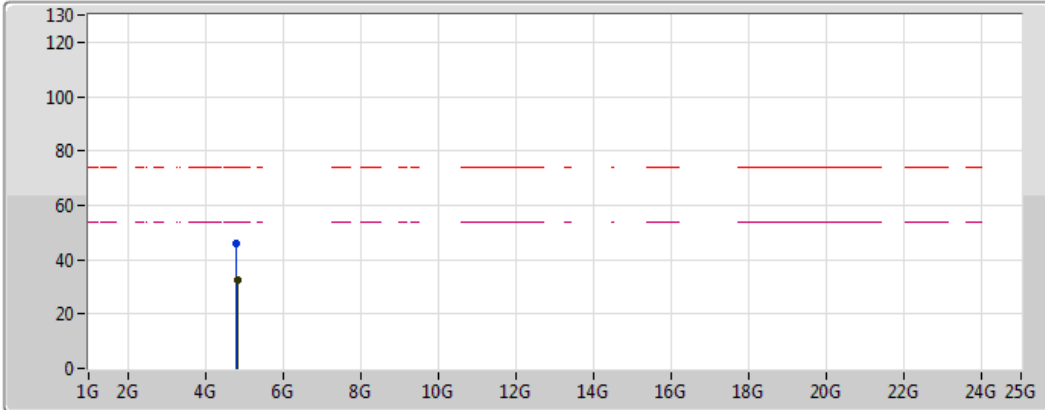
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 78  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.81664G     | 32.41             | 54.00             | -21.59         | 4.85           | 3           | Vertical  | 221            | 1.70          |  |  |  |  |  |
| PK   | 4.82068G     | 46.03             | 74.00             | -27.97         | 4.86           | 3           | Vertical  | 221            | 1.70          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2412MHz\_TX

23/02/2018



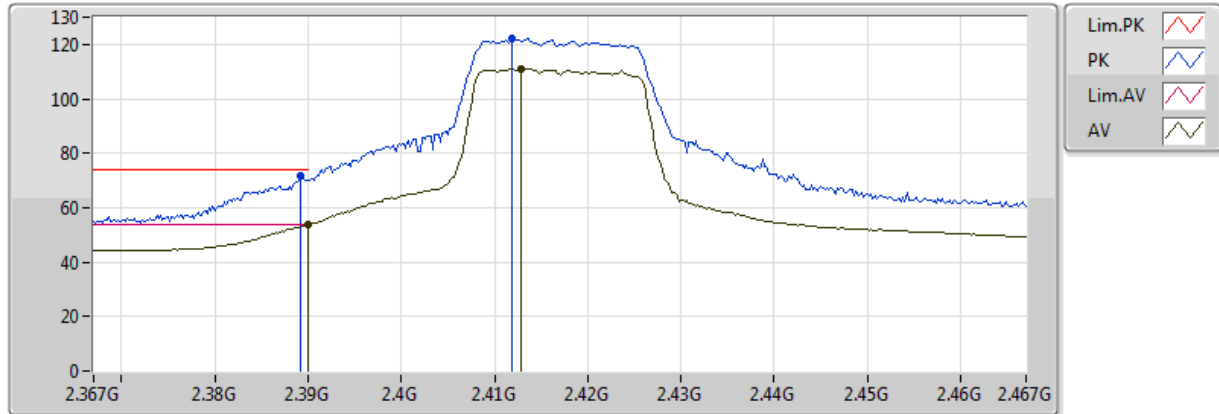
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 78  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8182G      | 32.25             | 54.00             | -21.75         | 4.85           | 3           | Horizontal | 86             | 1.52          |  |  |  |  |  |
| PK   | 4.81688G     | 45.72             | 74.00             | -28.28         | 4.85           | 3           | Horizontal | 86             | 1.52          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2417MHz\_TX

12/02/2018



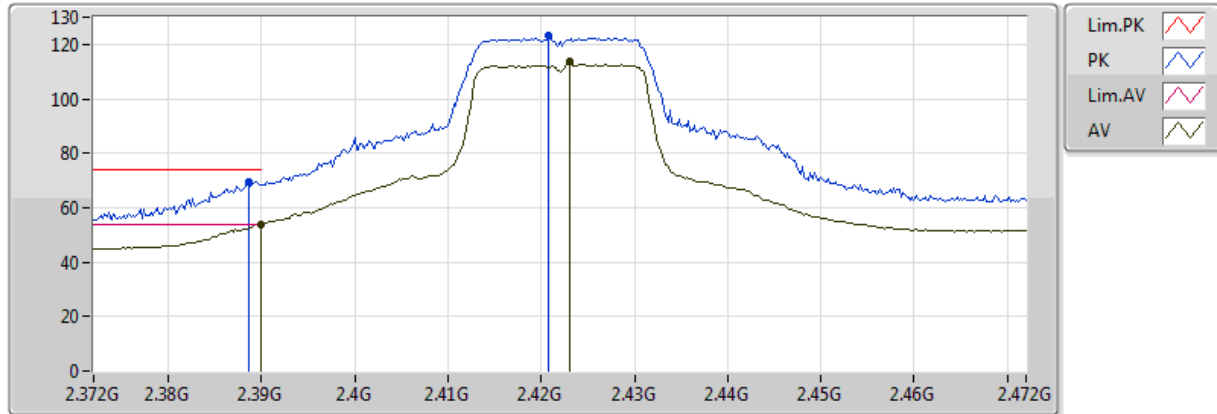
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 88  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.64             | 54.00             | -0.36          | 32.12          | 3           | Vertical  | 225            | 2.95          |  |  |  |  |  |
| AV   | 2.4128G      | 110.93            | Inf               | -Inf           | 32.19          | 3           | Vertical  | 225            | 2.95          |  |  |  |  |  |
| PK   | 2.3892G      | 71.51             | 74.00             | -2.49          | 32.12          | 3           | Vertical  | 225            | 2.95          |  |  |  |  |  |
| PK   | 2.4118G      | 122.09            | Inf               | -Inf           | 32.19          | 3           | Vertical  | 225            | 2.95          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

12/02/2018



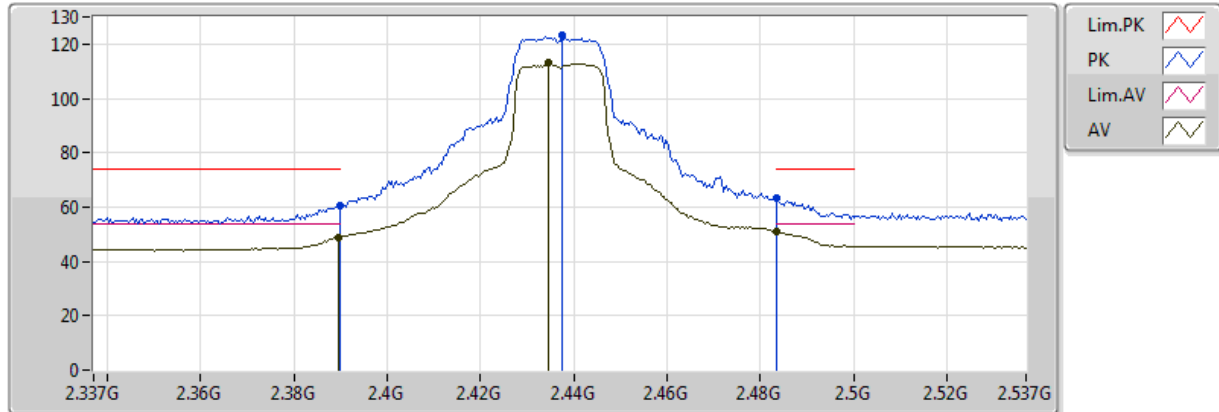
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 92  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.88             | 54.00             | -0.12          | 32.12          | 3           | Vertical  | 300            | 2.36          |  |  |  |  |  |
| AV   | 2.423G       | 113.89            | Inf               | -Inf           | 32.22          | 3           | Vertical  | 300            | 2.36          |  |  |  |  |  |
| PK   | 2.3886G      | 69.57             | 74.00             | -4.43          | 32.11          | 3           | Vertical  | 300            | 2.36          |  |  |  |  |  |
| PK   | 2.4208G      | 123.28            | Inf               | -Inf           | 32.22          | 3           | Vertical  | 300            | 2.36          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



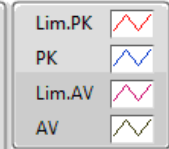
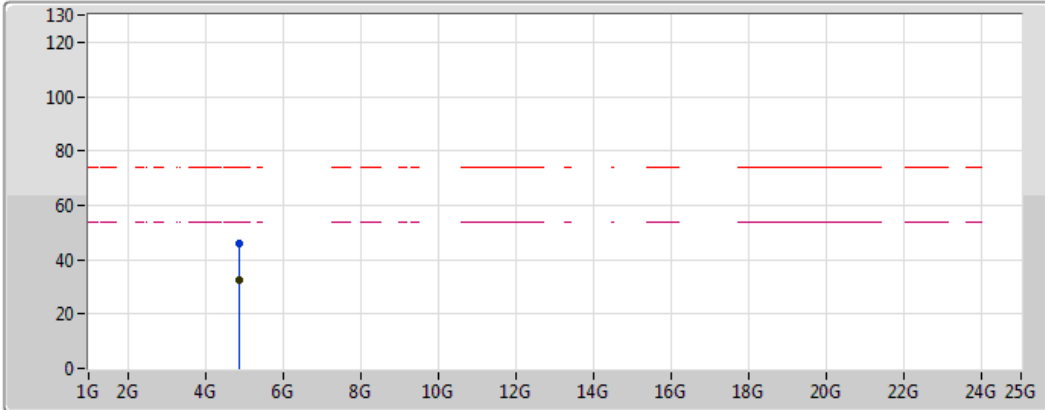
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3894G      | 48.94             | 54.00             | -5.06          | 32.12          | 3           | Vertical  | 312            | 1.50          |  |  |  |  |  |
| AV   | 2.4346G      | 112.97            | Inf               | -Inf           | 32.26          | 3           | Vertical  | 312            | 1.50          |  |  |  |  |  |
| AV   | 2.483502G    | 51.20             | 54.00             | -2.80          | 32.42          | 3           | Vertical  | 312            | 1.50          |  |  |  |  |  |
| PK   | 2.389998G    | 60.49             | 74.00             | -13.51         | 32.12          | 3           | Vertical  | 312            | 1.50          |  |  |  |  |  |
| PK   | 2.4374G      | 123.04            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 312            | 1.50          |  |  |  |  |  |
| PK   | 2.483502G    | 63.12             | 74.00             | -10.88         | 32.42          | 3           | Vertical  | 312            | 1.50          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



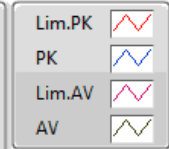
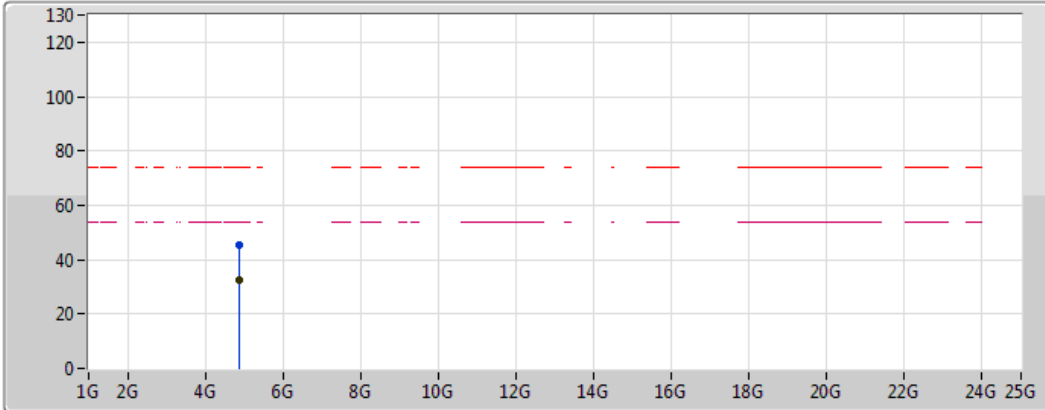
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87348G     | 32.33             | 54.00             | -21.67         | 4.91           | 3           | Vertical  | 165            | 1.80          |  |  |  |  |  |
| PK   | 4.8732G      | 45.92             | 74.00             | -28.08         | 4.91           | 3           | Vertical  | 165            | 1.80          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



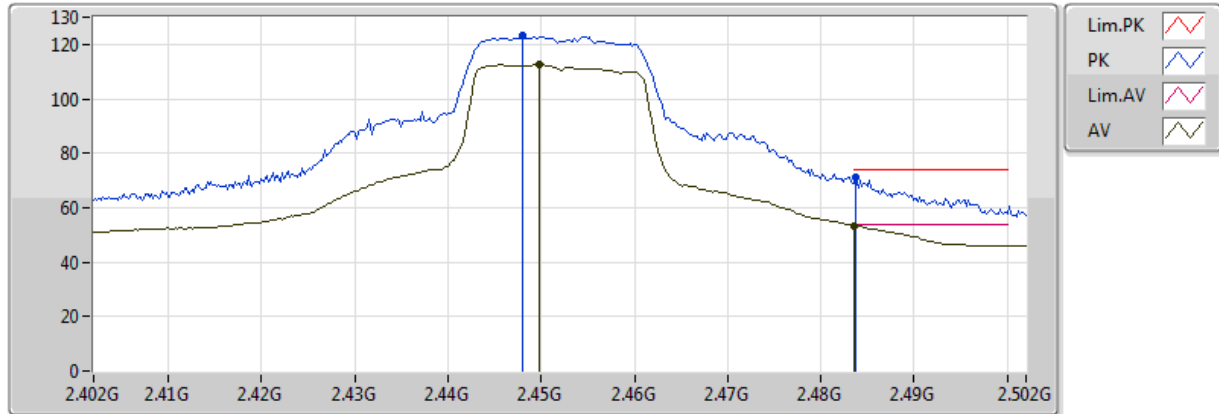
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8746G      | 32.32             | 54.00             | -21.68         | 4.91           | 3           | Horizontal | 296            | 2.11          |  |  |  |  |  |
| PK   | 4.87832G     | 45.51             | 74.00             | -28.49         | 4.92           | 3           | Horizontal | 296            | 2.11          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2452MHz\_TX

12/02/2018



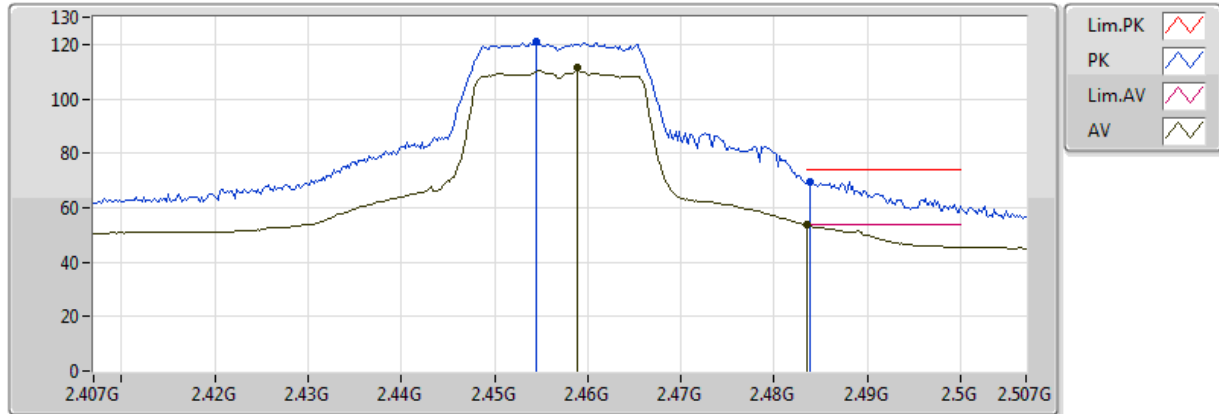
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 93  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4498G      | 112.86            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 123            | 2.27          |  |  |  |  |  |
| AV   | 2.483502G    | 53.48             | 54.00             | -0.52          | 32.42          | 3           | Vertical  | 123            | 2.27          |  |  |  |  |  |
| PK   | 2.448G       | 123.25            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 123            | 2.27          |  |  |  |  |  |
| PK   | 2.4838G      | 71.22             | 74.00             | -2.78          | 32.42          | 3           | Vertical  | 123            | 2.27          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2457MHz\_TX

12/02/2018



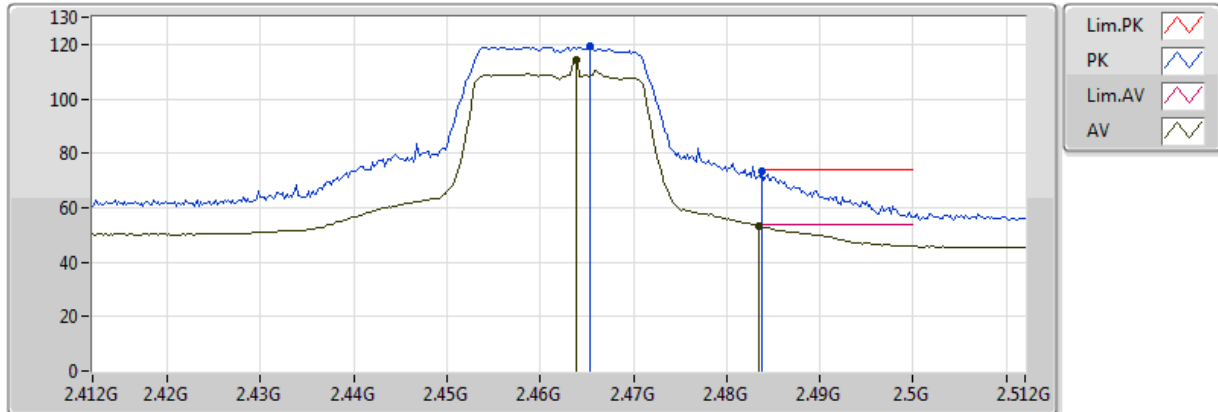
20180212  
EUT\_Z\_4 TX\_Dipole  
Setting 88  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4588G      | 111.24            | Inf               | -Inf           | 32.34          | 3           | Vertical  | 33             | 1.87          |  |  |  |  |  |
| AV   | 2.483502G    | 53.56             | 54.00             | -0.44          | 32.42          | 3           | Vertical  | 33             | 1.87          |  |  |  |  |  |
| PK   | 2.4544G      | 120.88            | Inf               | -Inf           | 32.33          | 3           | Vertical  | 33             | 1.87          |  |  |  |  |  |
| PK   | 2.4838G      | 69.53             | 74.00             | -4.47          | 32.42          | 3           | Vertical  | 33             | 1.87          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2462MHz\_TX

12/02/2018



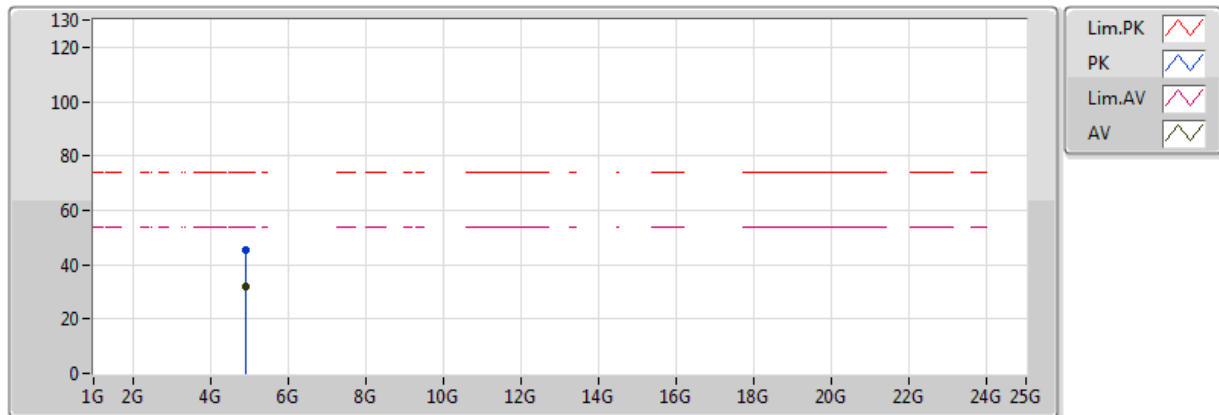
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 83  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4638G      | 114.23            | Inf               | -Inf           | 32.36          | 3           | Vertical  | 212            | 2.32          |  |  |  |  |  |
| AV   | 2.483502G    | 53.36             | 54.00             | -0.64          | 32.42          | 3           | Vertical  | 212            | 2.32          |  |  |  |  |  |
| PK   | 2.4654G      | 119.14            | Inf               | -Inf           | 32.36          | 3           | Vertical  | 212            | 2.32          |  |  |  |  |  |
| PK   | 2.4838G      | 73.64             | 74.00             | -0.36          | 32.42          | 3           | Vertical  | 212            | 2.32          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2462MHz\_TX

23/02/2018



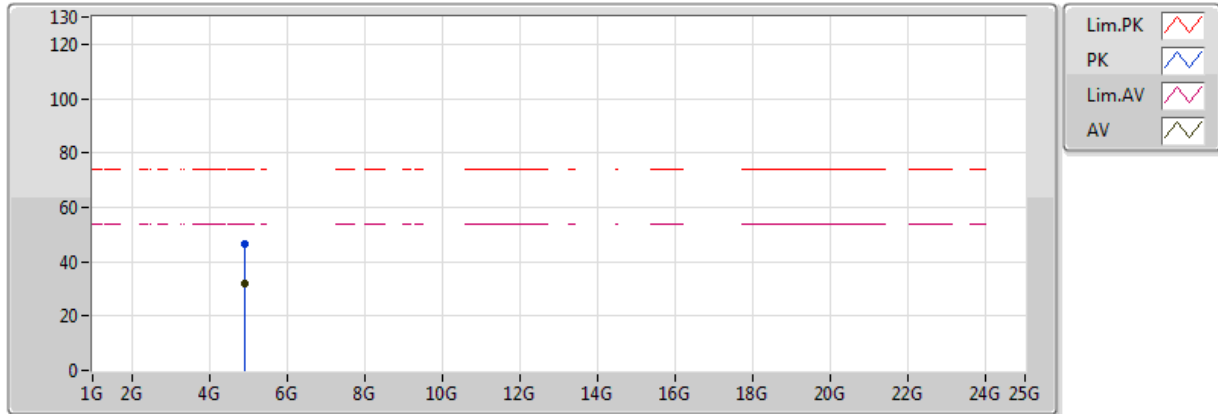
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 83  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.92952G     | 31.82             | 54.00             | -22.18         | 4.99           | 3           | Vertical  | 148            | 1.46          |  |  |  |  |  |
| PK   | 4.91652G     | 45.41             | 74.00             | -28.59         | 4.97           | 3           | Vertical  | 148            | 1.46          |  |  |  |  |  |

## 802.11ac VHT20-BF\_Nss2,(MCS0)\_4TX

## 2462MHz\_TX

23/02/2018



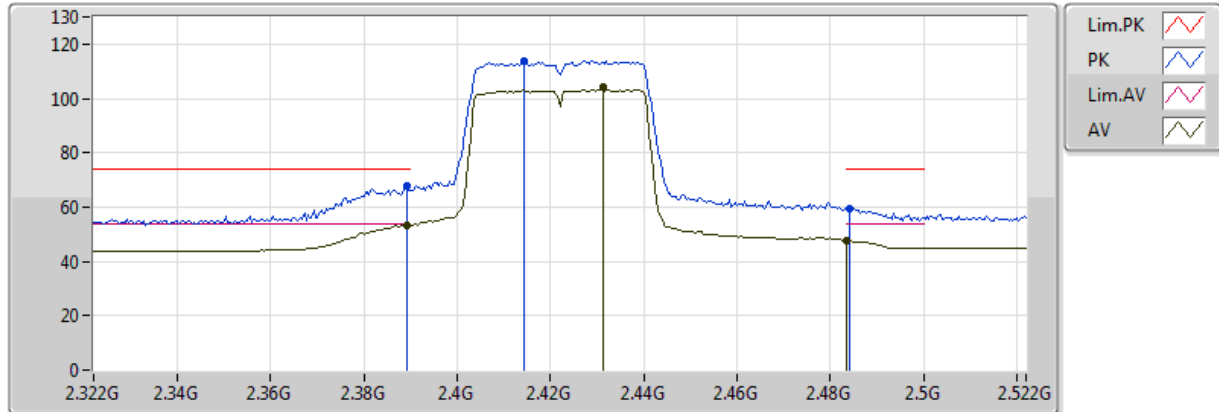
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 83  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.91776G     | 31.91             | 54.00             | -22.09         | 4.97           | 3           | Horizontal | 136            | 1.51          |  |  |  |  |  |
| PK   | 4.9266G      | 46.40             | 74.00             | -27.60         | 4.98           | 3           | Horizontal | 136            | 1.51          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

12/02/2018



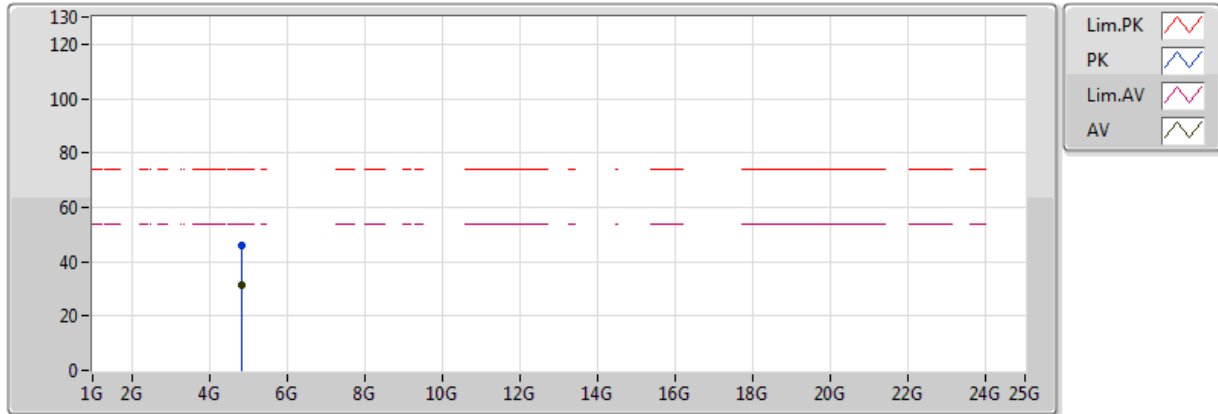
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 68  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3892G      | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 121            | 2.11          |  |  |  |  |  |
| AV   | 2.4312G      | 103.96            | Inf               | -Inf           | 32.25          | 3           | Vertical  | 121            | 2.11          |  |  |  |  |  |
| AV   | 2.4836G      | 47.61             | 54.00             | -6.39          | 32.42          | 3           | Vertical  | 121            | 2.11          |  |  |  |  |  |
| PK   | 2.3892G      | 67.82             | 74.00             | -6.18          | 32.12          | 3           | Vertical  | 121            | 2.11          |  |  |  |  |  |
| PK   | 2.4144G      | 114.03            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 121            | 2.11          |  |  |  |  |  |
| PK   | 2.484G       | 59.26             | 74.00             | -14.74         | 32.42          | 3           | Vertical  | 121            | 2.11          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



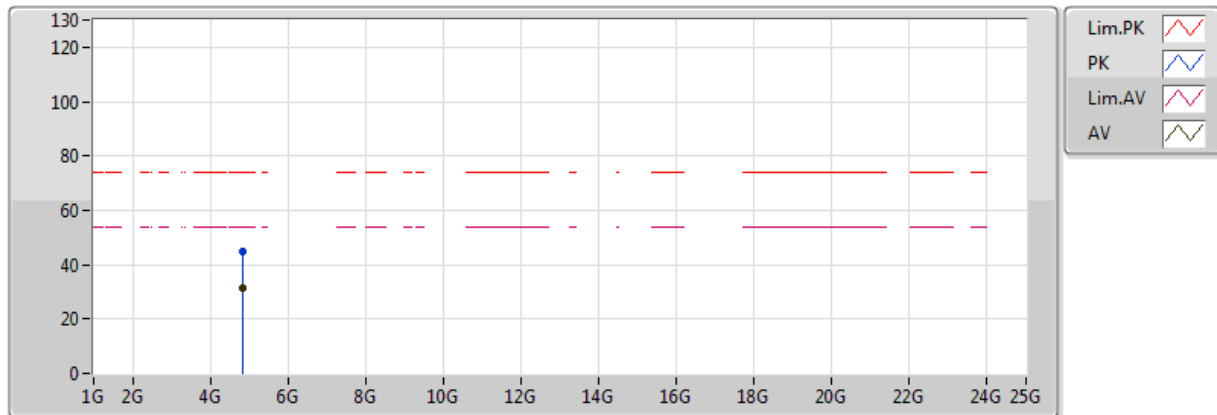
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 68  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8538G      | 31.27             | 54.00             | -22.73         | 4.89           | 3           | Vertical  | 169            | 2.15          |  |  |  |  |  |
| PK   | 4.84244G     | 45.70             | 74.00             | -28.30         | 4.88           | 3           | Vertical  | 169            | 2.15          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



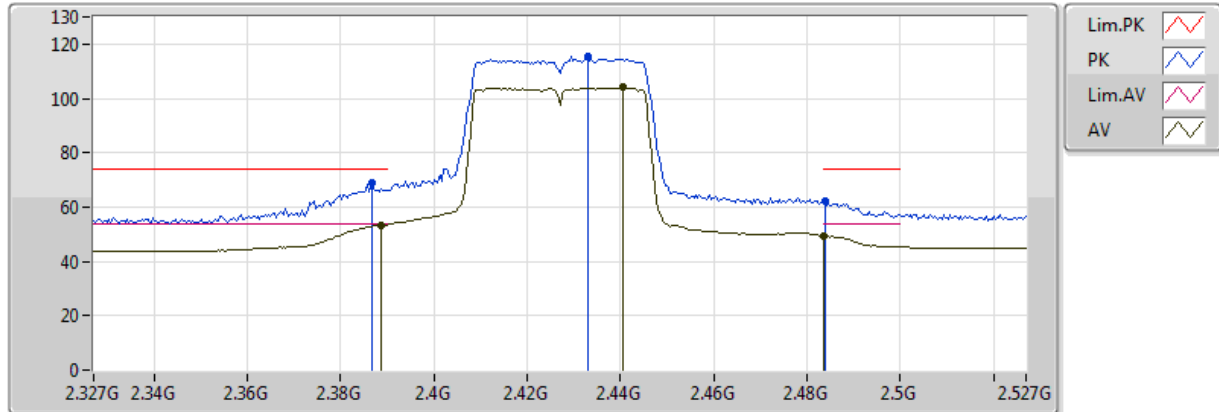
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 68  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.85344G     | 31.28             | 54.00             | -22.72         | 4.89           | 3           | Horizontal | 24             | 1.47          |  |  |  |  |  |
| PK   | 4.84524G     | 45.01             | 74.00             | -28.99         | 4.88           | 3           | Horizontal | 24             | 1.47          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2427MHz\_TX

12/02/2018



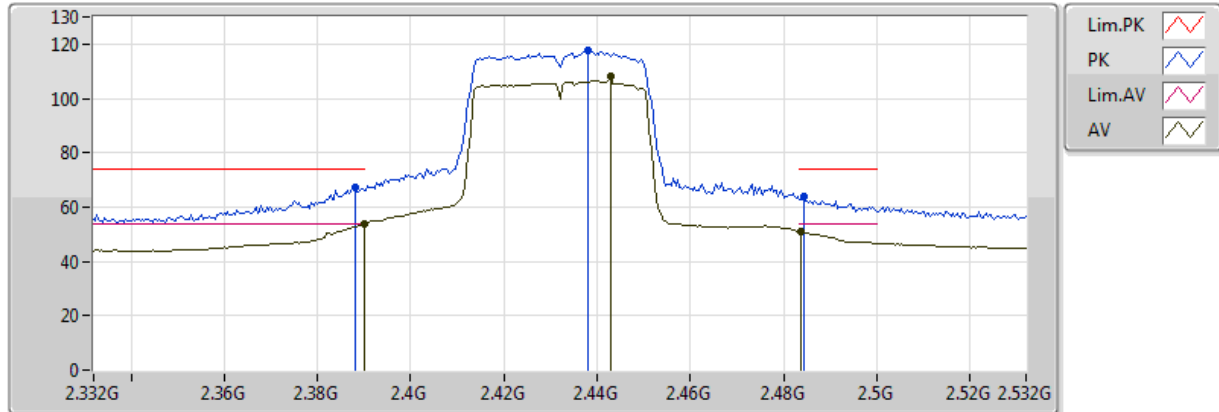
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 72  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3886G      | 53.50             | 54.00             | -0.50          | 32.11          | 3           | Vertical  | 122            | 1.85          |  |  |  |  |  |
| AV   | 2.4406G      | 103.99            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 122            | 1.85          |  |  |  |  |  |
| AV   | 2.483502G    | 49.42             | 54.00             | -4.58          | 32.42          | 3           | Vertical  | 122            | 1.85          |  |  |  |  |  |
| PK   | 2.3866G      | 68.72             | 74.00             | -5.28          | 32.11          | 3           | Vertical  | 122            | 1.85          |  |  |  |  |  |
| PK   | 2.433G       | 115.33            | Inf               | -Inf           | 32.26          | 3           | Vertical  | 122            | 1.85          |  |  |  |  |  |
| PK   | 2.4838G      | 62.03             | 74.00             | -11.97         | 32.42          | 3           | Vertical  | 122            | 1.85          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



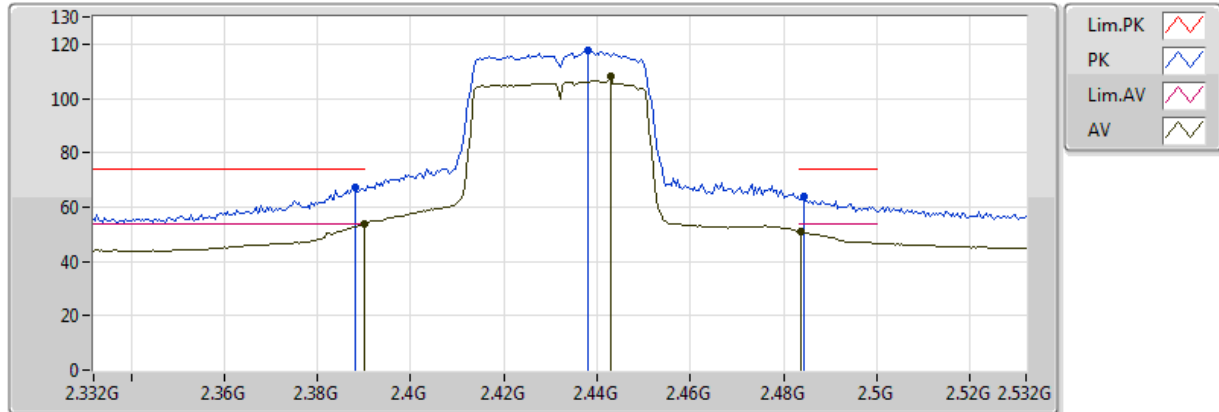
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



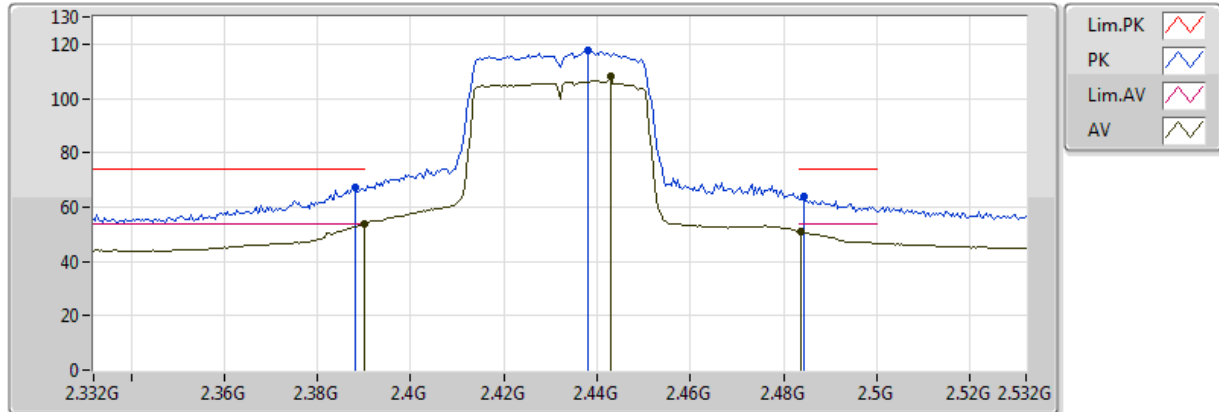
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



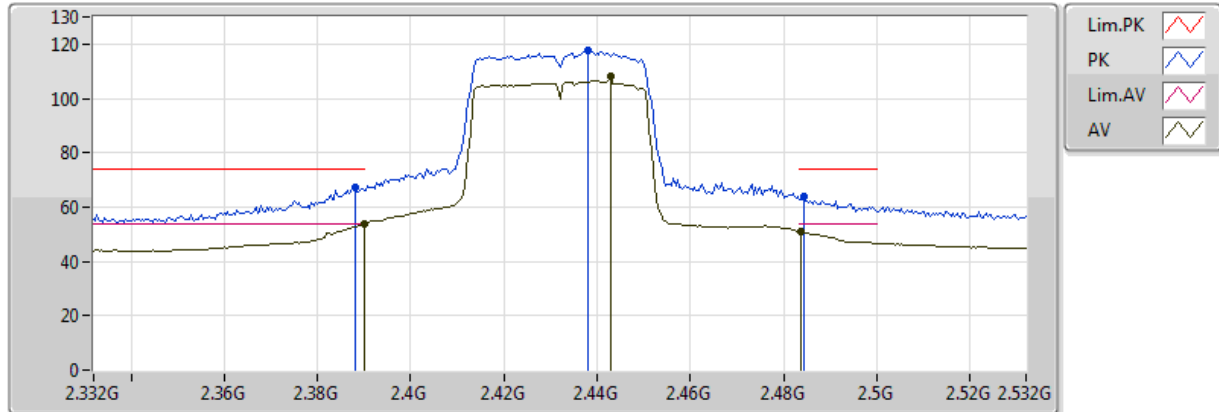
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

### 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

### 2432MHz\_TX

12/02/2018



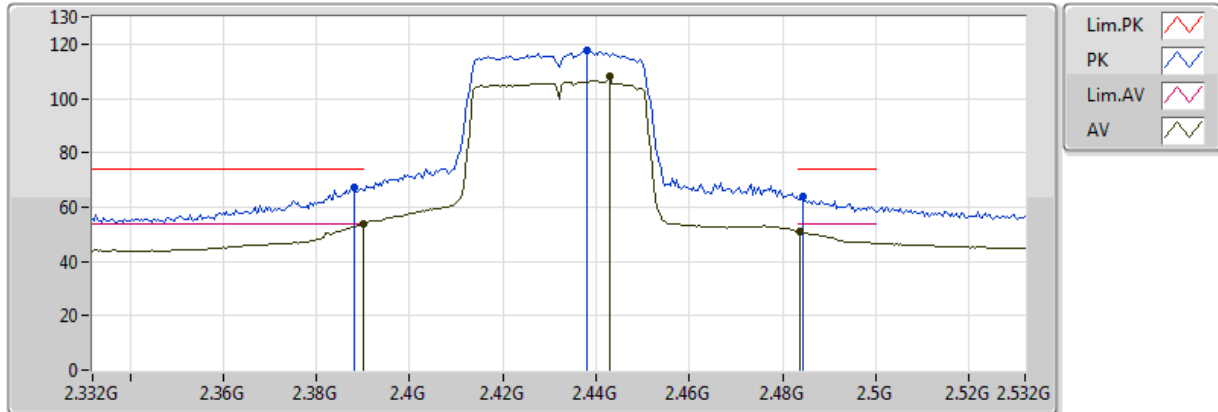
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



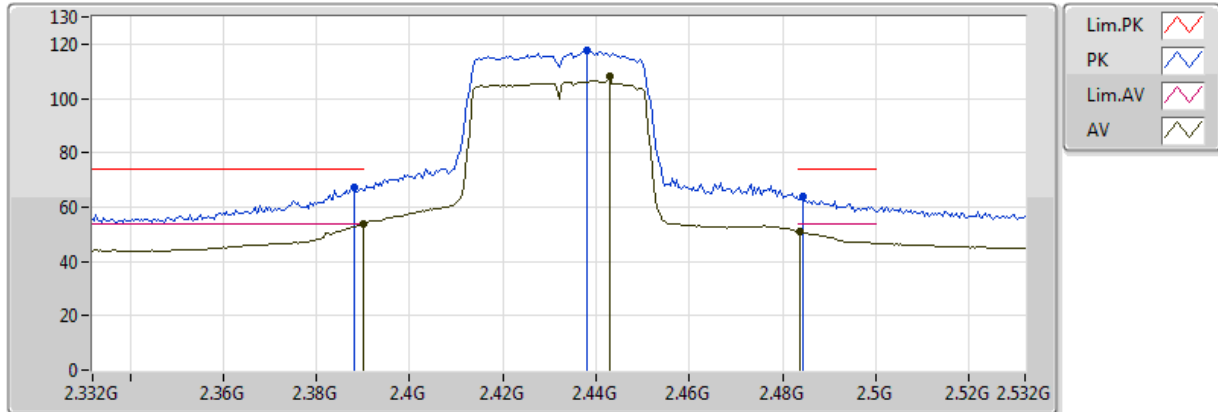
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



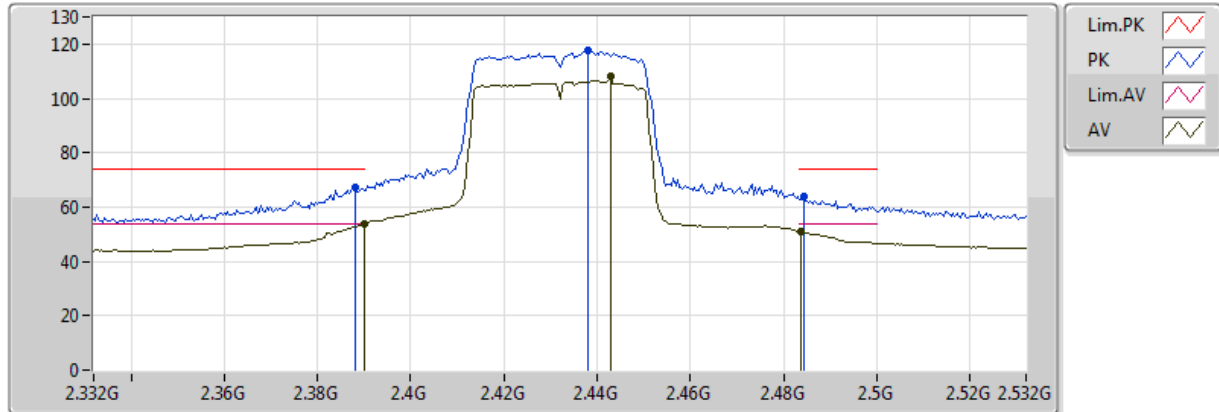
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



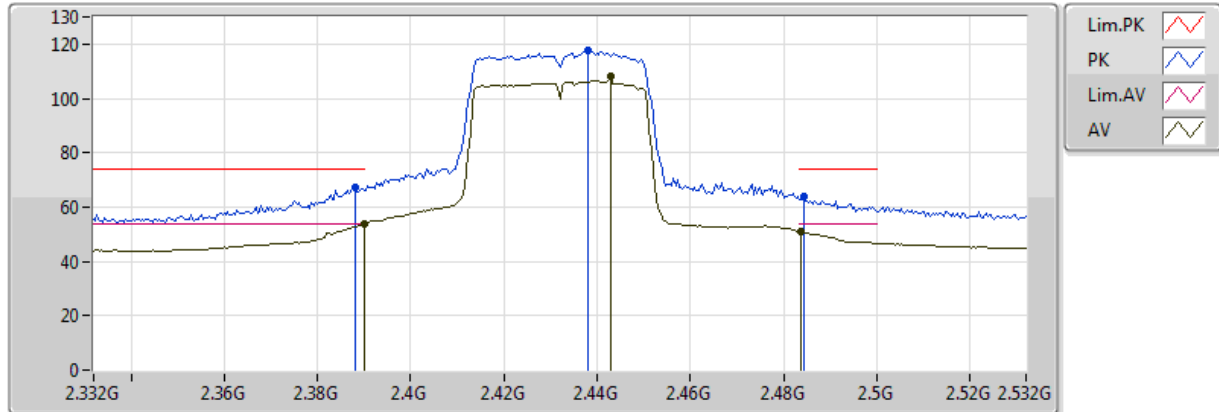
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



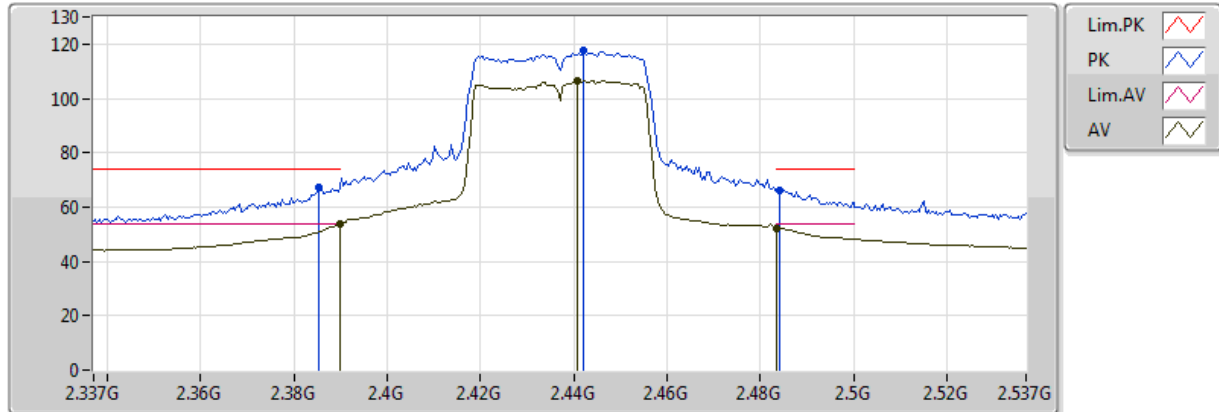
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.55             | 54.00             | -0.45          | 32.12          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4428G      | 107.93            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| AV   | 2.4836G      | 50.99             | 54.00             | -3.01          | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.388G       | 67.12             | 74.00             | -6.88          | 32.11          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.438G       | 117.71            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |
| PK   | 2.4844G      | 63.60             | 74.00             | -10.40         | 32.42          | 3           | Vertical  | 305            | 1.94          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



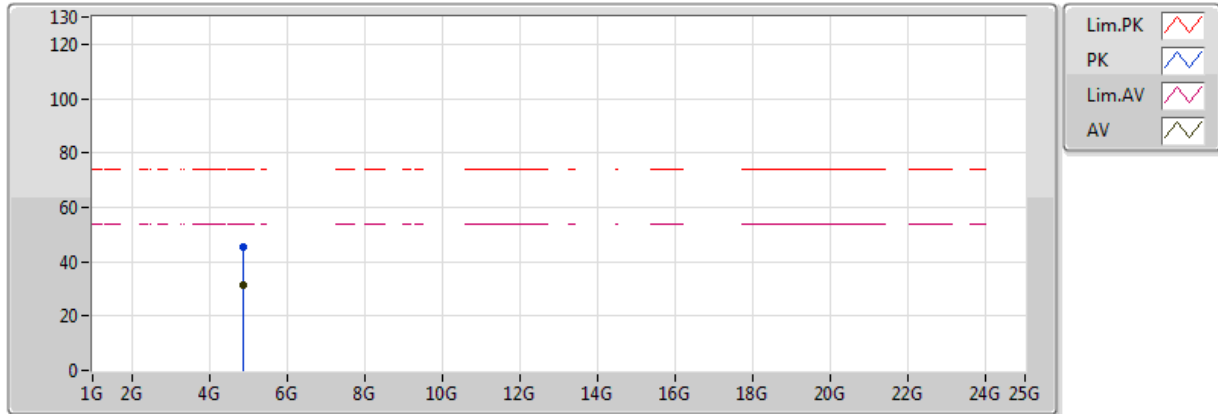
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 84  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 53.69             | 54.00             | -0.31          | 32.12          | 3           | Vertical  | 317            | 1.50          |  |  |  |  |  |
| AV   | 2.4406G      | 106.44            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 317            | 1.50          |  |  |  |  |  |
| AV   | 2.483502G    | 52.19             | 54.00             | -1.81          | 32.42          | 3           | Vertical  | 317            | 1.50          |  |  |  |  |  |
| PK   | 2.3854G      | 67.37             | 74.00             | -6.63          | 32.10          | 3           | Vertical  | 317            | 1.50          |  |  |  |  |  |
| PK   | 2.4422G      | 117.40            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 317            | 1.50          |  |  |  |  |  |
| PK   | 2.4842G      | 66.25             | 74.00             | -7.75          | 32.42          | 3           | Vertical  | 317            | 1.50          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



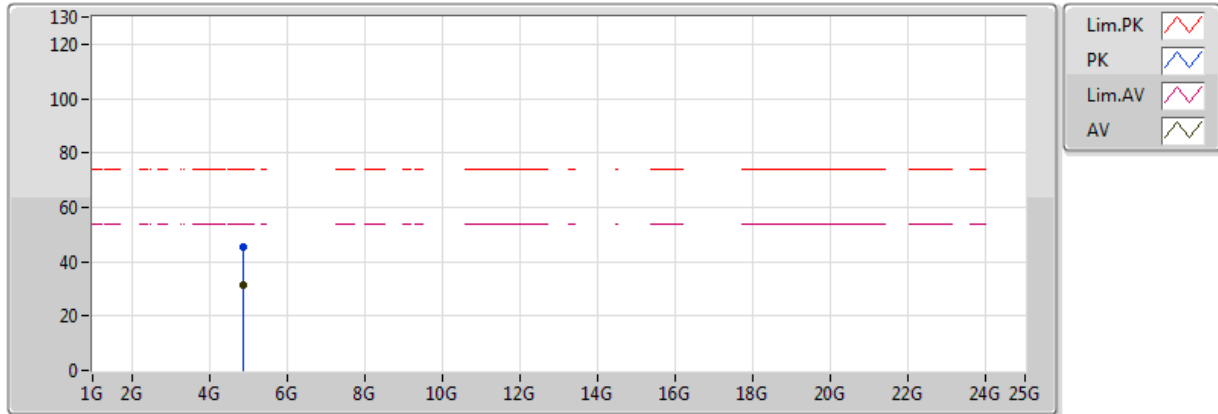
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 84  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87636G     | 31.64             | 54.00             | -22.36         | 4.92           | 3           | Vertical  | 142            | 1.96          |  |  |  |  |  |
| PK   | 4.87632G     | 45.38             | 74.00             | -28.62         | 4.92           | 3           | Vertical  | 142            | 1.96          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



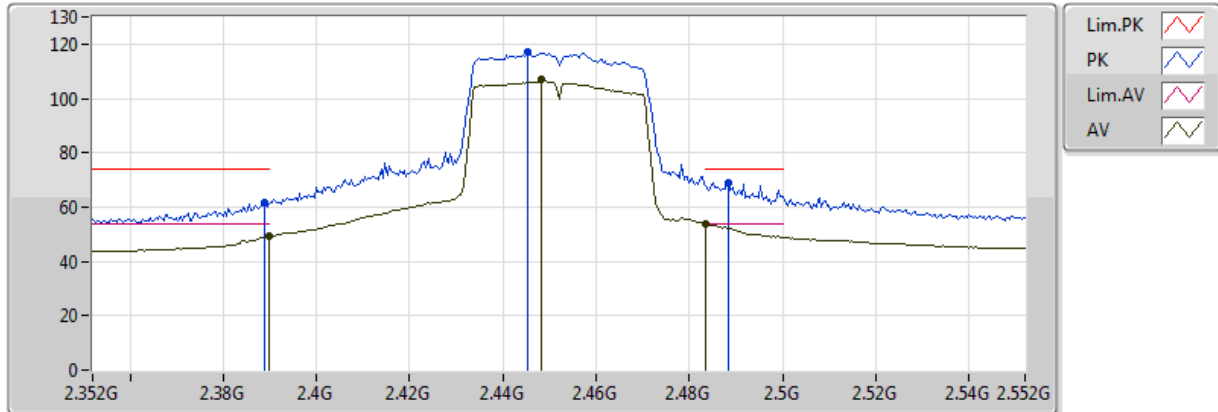
20180223  
EUT\_Z\_4 TX\_Dipole  
Setting 84  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8738G      | 31.61             | 54.00             | -22.39         | 4.91           | 3           | Horizontal | 323            | 1.75          |  |  |  |  |  |
| PK   | 4.87436G     | 45.38             | 74.00             | -28.62         | 4.91           | 3           | Horizontal | 323            | 1.75          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2452MHz\_TX

12/02/2018



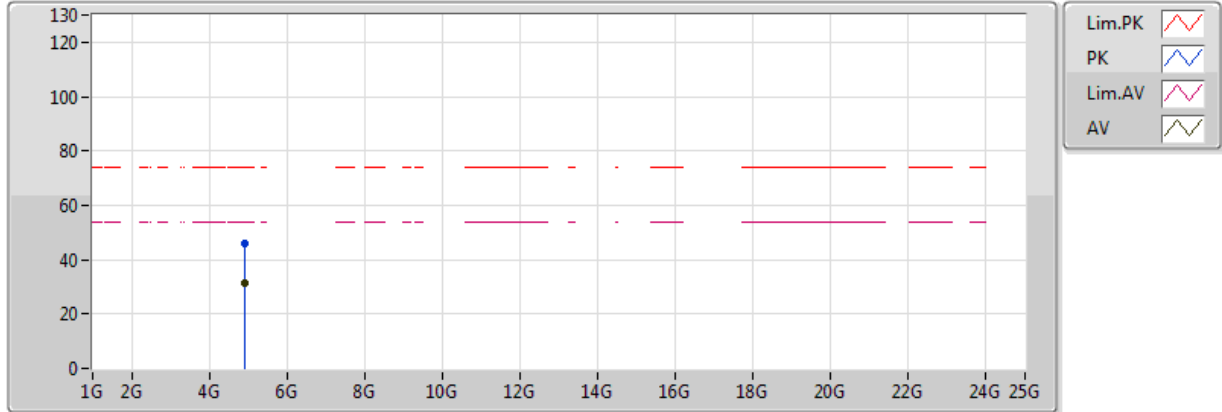
20180212  
EUT\_Z\_4 TX\_Dipole  
Setting 81  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 49.25             | 54.00             | -4.75          | 32.12          | 3           | Vertical  | 59             | 2.01          |  |  |  |  |  |
| AV   | 2.4484G      | 107.02            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 59             | 2.01          |  |  |  |  |  |
| AV   | 2.4836G      | 53.95             | 54.00             | -0.05          | 32.42          | 3           | Vertical  | 59             | 2.01          |  |  |  |  |  |
| PK   | 2.3888G      | 61.70             | 74.00             | -12.30         | 32.11          | 3           | Vertical  | 59             | 2.01          |  |  |  |  |  |
| PK   | 2.4452G      | 117.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 59             | 2.01          |  |  |  |  |  |
| PK   | 2.4884G      | 69.09             | 74.00             | -4.91          | 32.44          | 3           | Vertical  | 59             | 2.01          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



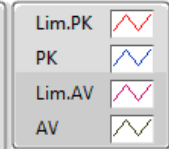
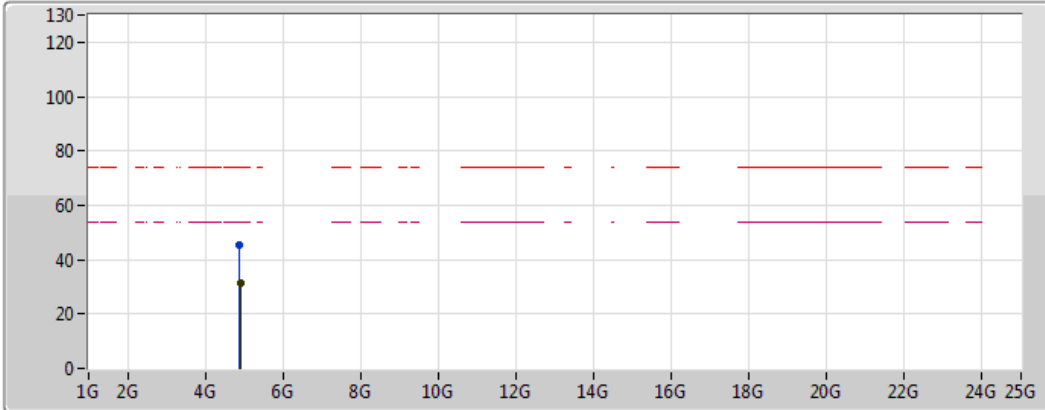
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 81  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8978G      | 31.62             | 54.00             | -22.38         | 4.94           | 3           | Vertical  | 267            | 1.52          |  |  |  |  |  |
| PK   | 4.89816G     | 45.70             | 74.00             | -28.30         | 4.94           | 3           | Vertical  | 267            | 1.52          |  |  |  |  |  |

## 802.11ac VHT40-BF\_Nss2,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



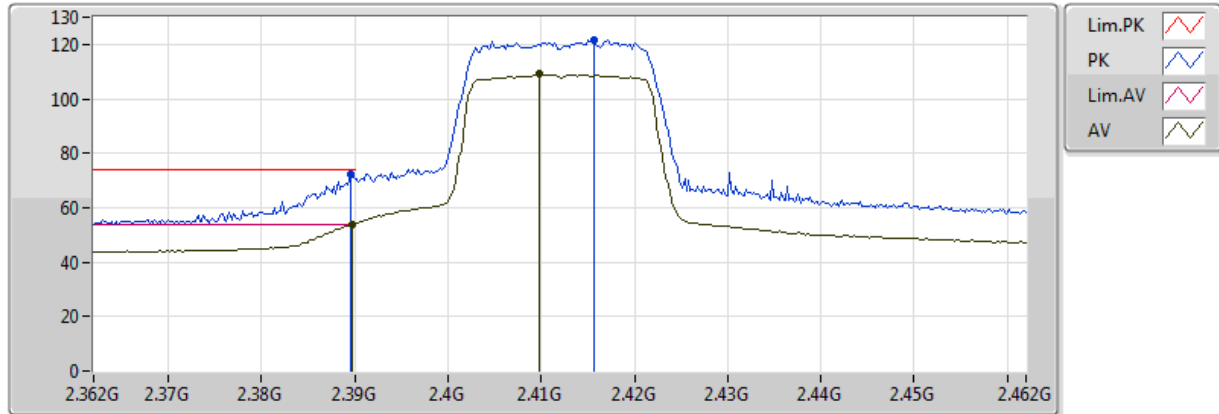
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 81  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.89764G     | 31.51             | 54.00             | -22.49         | 4.94           | 3           | Horizontal | 89             | 1.42          |  |  |  |  |  |
| PK   | 4.89492G     | 45.32             | 74.00             | -28.68         | 4.94           | 3           | Horizontal | 89             | 1.42          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2412MHz\_TX

12/02/2018



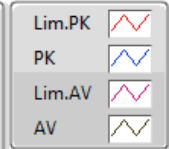
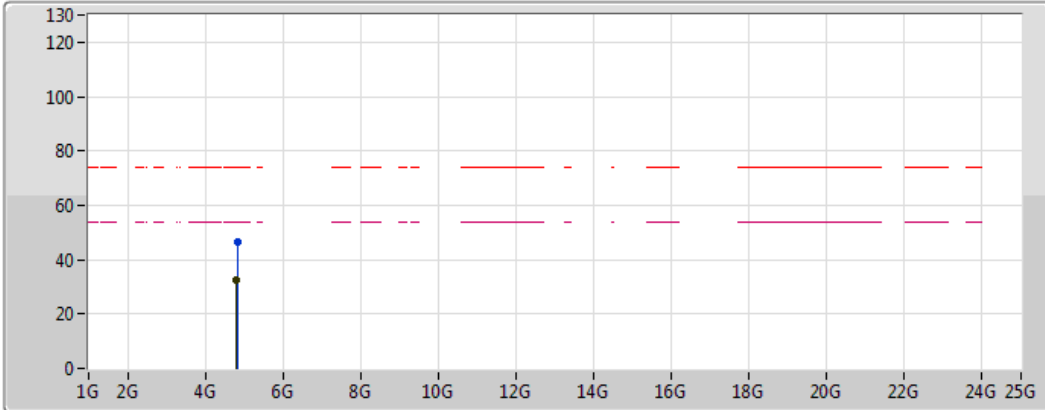
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3898G      | 53.88             | 54.00             | -0.12          | 32.12          | 3           | Vertical  | 58             | 1.81          |  |  |  |  |  |
| AV   | 2.4098G      | 109.01            | Inf               | -Inf           | 32.18          | 3           | Vertical  | 58             | 1.81          |  |  |  |  |  |
| PK   | 2.3896G      | 72.21             | 74.00             | -1.79          | 32.12          | 3           | Vertical  | 58             | 1.81          |  |  |  |  |  |
| PK   | 2.4156G      | 121.74            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 58             | 1.81          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2412MHz\_TX

23/02/2018



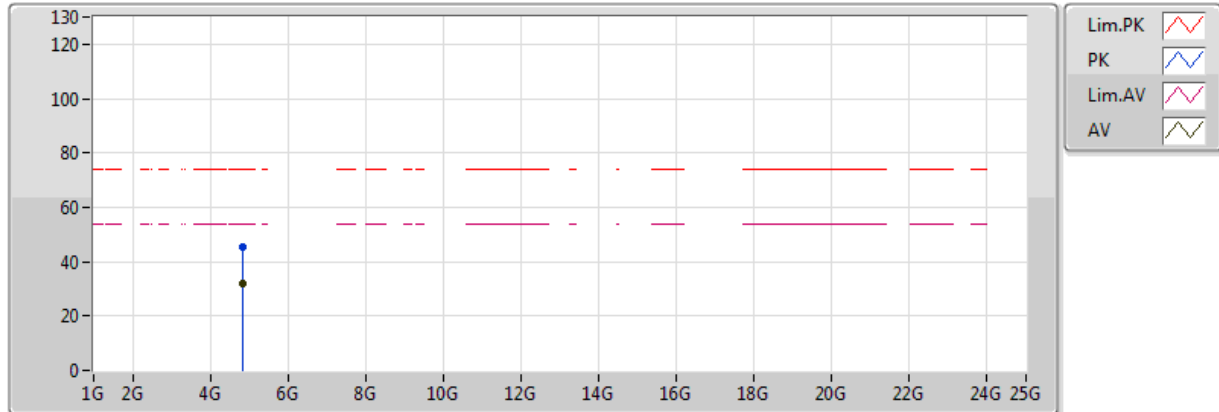
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.81436G     | 32.47             | 54.00             | -21.53         | 4.85           | 3           | Vertical  | 0              | 2.54          |  |  |  |  |  |
| PK   | 4.83128G     | 46.67             | 74.00             | -27.33         | 4.87           | 3           | Vertical  | 0              | 2.54          |  |  |  |  |  |

### HE20,BF\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

23/02/2018



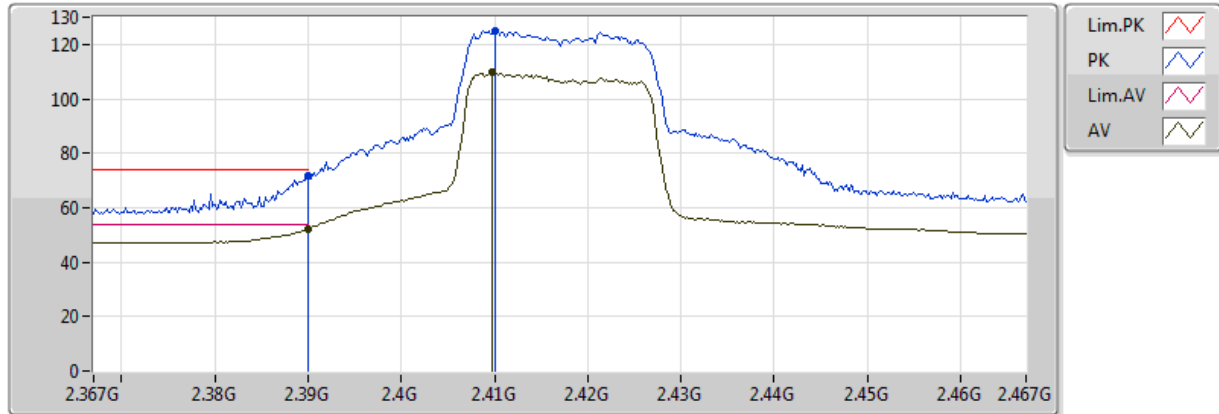
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.81772G     | 32.20             | 54.00             | -21.80         | 4.85           | 3           | Horizontal | 168            | 1.44          |  |  |  |  |  |
| PK   | 4.8222G      | 45.48             | 74.00             | -28.52         | 4.86           | 3           | Horizontal | 168            | 1.44          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2417MHz\_TX

13/02/2018



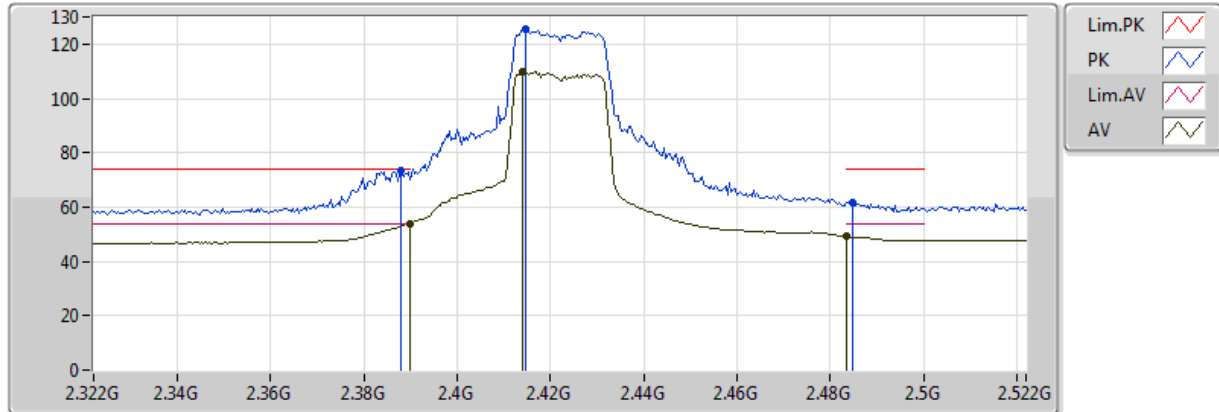
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 82  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 52.37             | 54.00             | -1.63          | 32.14          | 3           | Vertical  | 110            | 2.15          |  |  |  |  |  |
| AV   | 2.4098G      | 109.92            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 110            | 2.15          |  |  |  |  |  |
| PK   | 2.39G        | 71.65             | 74.00             | -2.35          | 32.14          | 3           | Vertical  | 110            | 2.15          |  |  |  |  |  |
| PK   | 2.41G        | 125.03            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 110            | 2.15          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

13/02/2018



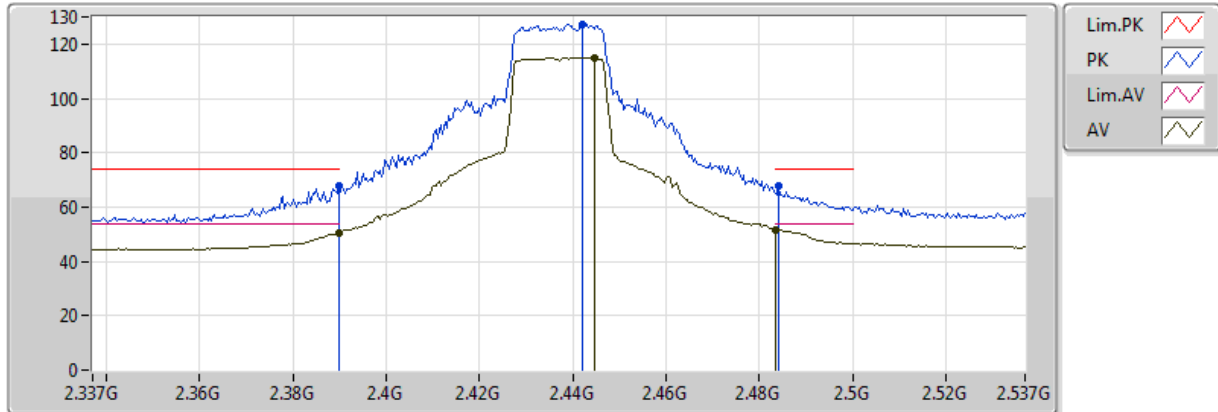
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 88  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.95             | 54.00             | -0.05          | 32.14          | 3           | Vertical  | 301            | 1.50          |  |  |  |  |  |
| AV   | 2.414G       | 109.99            | Inf               | -Inf           | 32.22          | 3           | Vertical  | 301            | 1.50          |  |  |  |  |  |
| AV   | 2.4836G      | 49.05             | 54.00             | -4.95          | 32.45          | 3           | Vertical  | 301            | 1.50          |  |  |  |  |  |
| PK   | 2.388G       | 73.67             | 74.00             | -0.33          | 32.13          | 3           | Vertical  | 301            | 1.50          |  |  |  |  |  |
| PK   | 2.4148G      | 125.40            | Inf               | -Inf           | 32.22          | 3           | Vertical  | 301            | 1.50          |  |  |  |  |  |
| PK   | 2.4848G      | 61.75             | 74.00             | -12.25         | 32.45          | 3           | Vertical  | 301            | 1.50          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



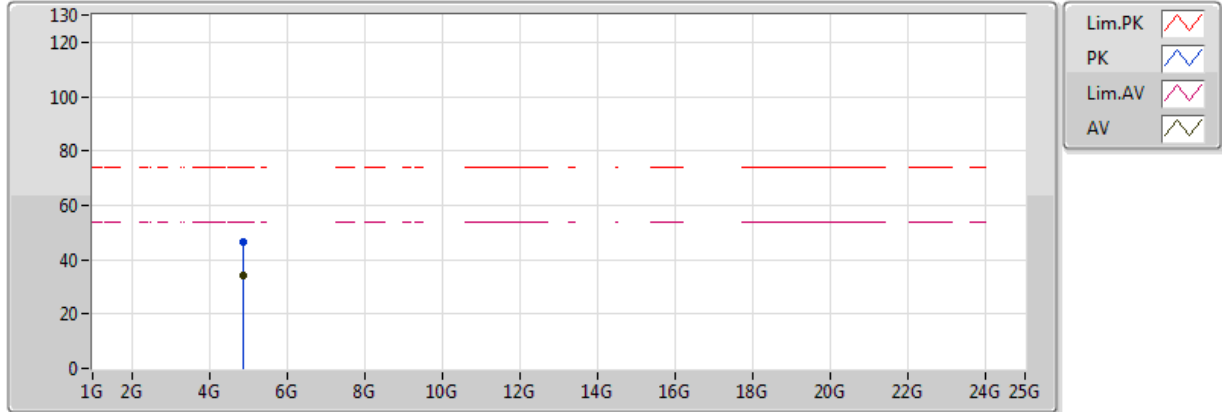
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 50.63             | 54.00             | -3.37          | 32.12          | 3           | Vertical  | 63             | 2.04          |  |  |  |  |  |
| AV   | 2.4446G      | 114.96            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 63             | 2.04          |  |  |  |  |  |
| AV   | 2.483502G    | 51.66             | 54.00             | -2.34          | 32.42          | 3           | Vertical  | 63             | 2.04          |  |  |  |  |  |
| PK   | 2.389998G    | 67.68             | 74.00             | -6.32          | 32.12          | 3           | Vertical  | 63             | 2.04          |  |  |  |  |  |
| PK   | 2.4422G      | 127.45            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 63             | 2.04          |  |  |  |  |  |
| PK   | 2.4842G      | 67.61             | 74.00             | -6.39          | 32.42          | 3           | Vertical  | 63             | 2.04          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



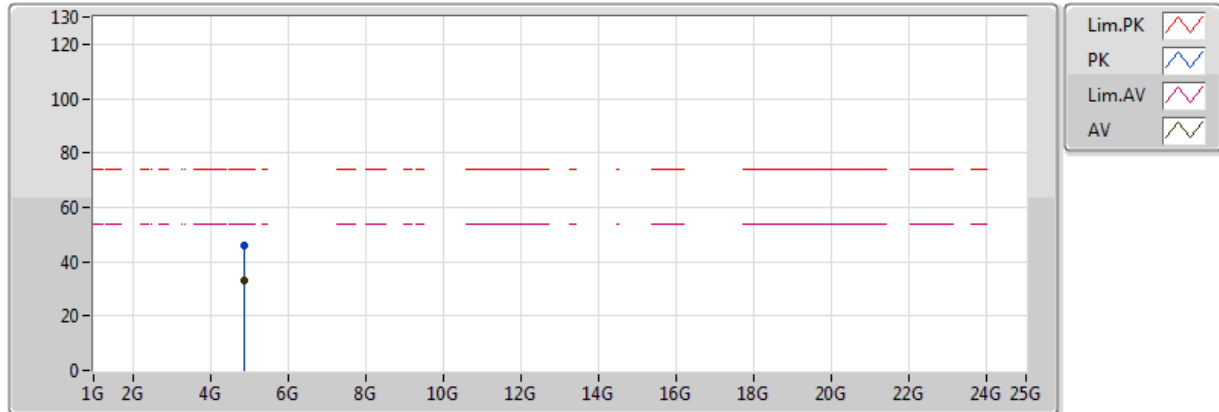
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87096G     | 34.41             | 54.00             | -19.59         | 4.91           | 3           | Vertical  | 109            | 1.03          |  |  |  |  |  |
| PK   | 4.88G        | 46.30             | 74.00             | -27.70         | 4.92           | 3           | Vertical  | 109            | 1.03          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



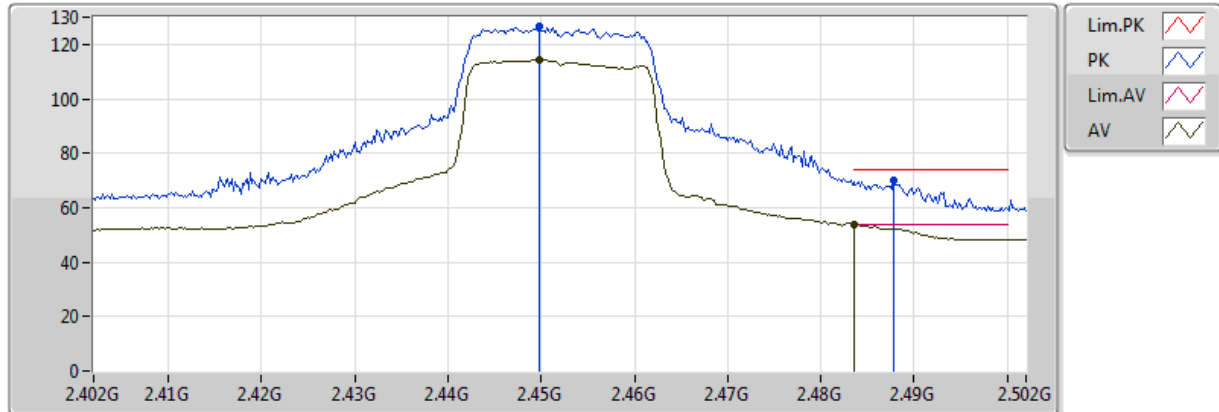
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87436G     | 32.79             | 54.00             | -21.21         | 4.91           | 3           | Horizontal | 253            | 2.26          |  |  |  |  |  |
| PK   | 4.88136G     | 45.67             | 74.00             | -28.33         | 4.92           | 3           | Horizontal | 253            | 2.26          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

13/02/2018



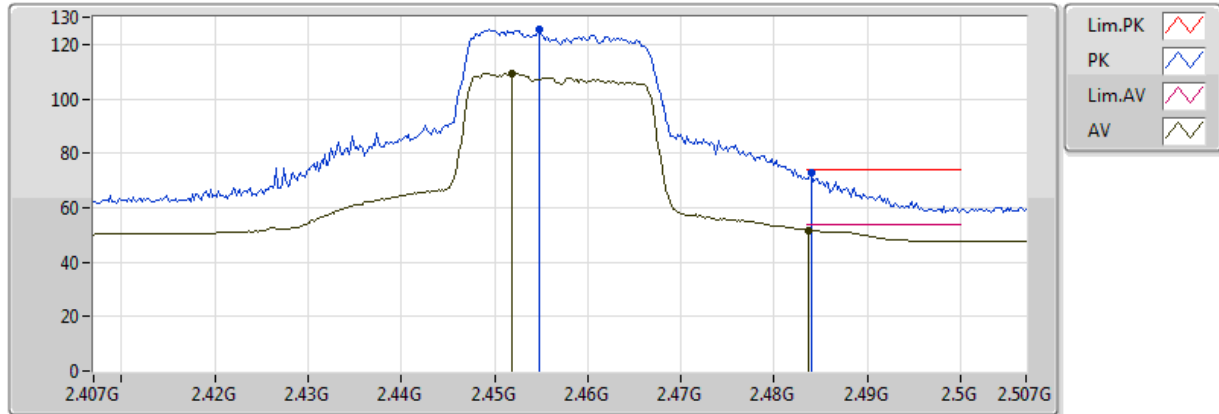
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 90  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4498G      | 114.45            | Inf               | -Inf           | 32.33          | 3           | Vertical  | 354            | 2.00          |  |  |  |  |  |
| AV   | 2.4836G      | 53.85             | 54.00             | -0.15          | 32.45          | 3           | Vertical  | 354            | 2.00          |  |  |  |  |  |
| PK   | 2.4498G      | 126.36            | Inf               | -Inf           | 32.33          | 3           | Vertical  | 354            | 2.00          |  |  |  |  |  |
| PK   | 2.4878G      | 69.86             | 74.00             | -4.14          | 32.46          | 3           | Vertical  | 354            | 2.00          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2457MHz\_TX

13/02/2018



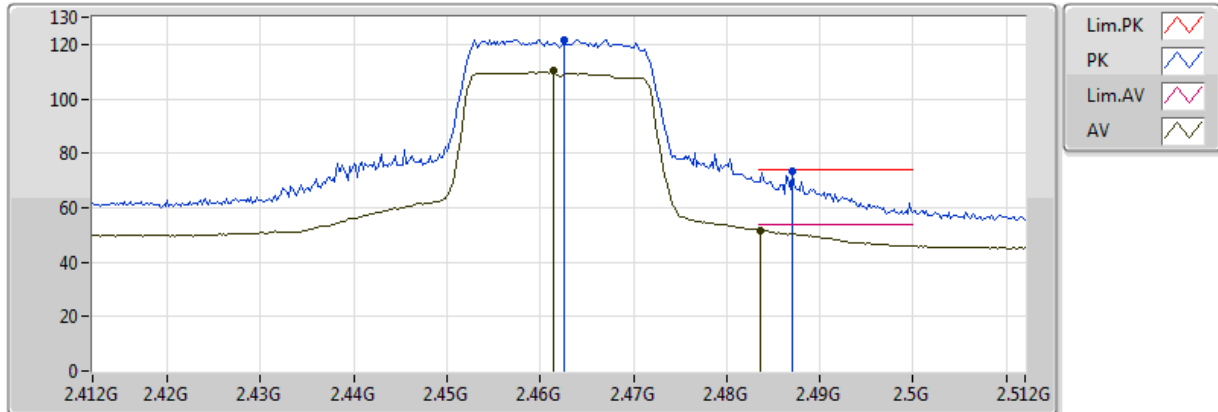
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 83  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4518G      | 109.32            | Inf               | -Inf           | 32.34          | 3           | Vertical  | 322            | 1.92          |  |  |  |  |  |
| AV   | 2.4836G      | 51.75             | 54.00             | -2.25          | 32.45          | 3           | Vertical  | 322            | 1.92          |  |  |  |  |  |
| PK   | 2.4548G      | 125.58            | Inf               | -Inf           | 32.35          | 3           | Vertical  | 322            | 1.92          |  |  |  |  |  |
| PK   | 2.484G       | 73.11             | 74.00             | -0.89          | 32.45          | 3           | Vertical  | 322            | 1.92          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

12/02/2018



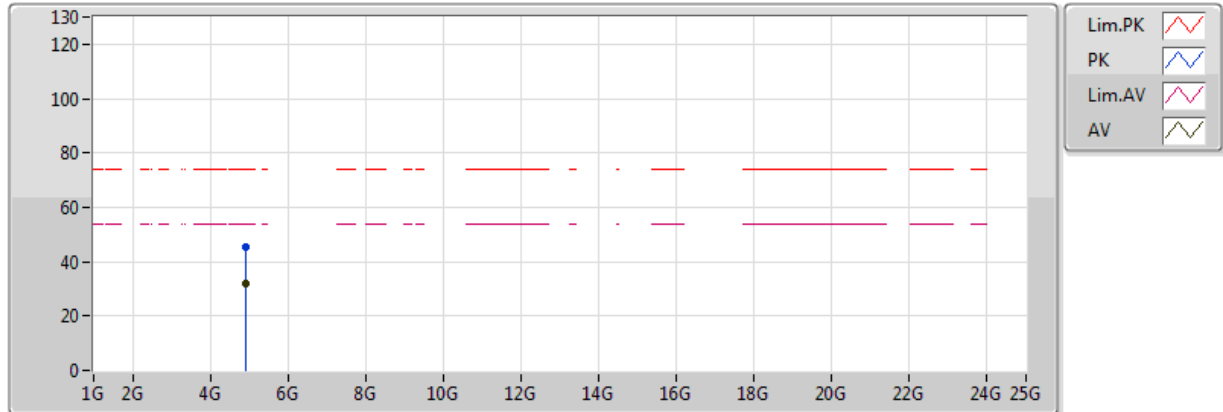
20180212  
EUT\_Z\_4 TX\_Dipole  
Setting 75  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4614G      | 110.41            | Inf               | -Inf           | 32.35          | 3           | Vertical  | 290            | 2.13          |  |  |  |  |  |
| AV   | 2.4836G      | 51.61             | 54.00             | -2.39          | 32.42          | 3           | Vertical  | 290            | 2.13          |  |  |  |  |  |
| PK   | 2.4626G      | 121.68            | Inf               | -Inf           | 32.35          | 3           | Vertical  | 290            | 2.13          |  |  |  |  |  |
| PK   | 2.487G       | 73.59             | 74.00             | -0.41          | 32.43          | 3           | Vertical  | 290            | 2.13          |  |  |  |  |  |

### HE20,BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

23/02/2018



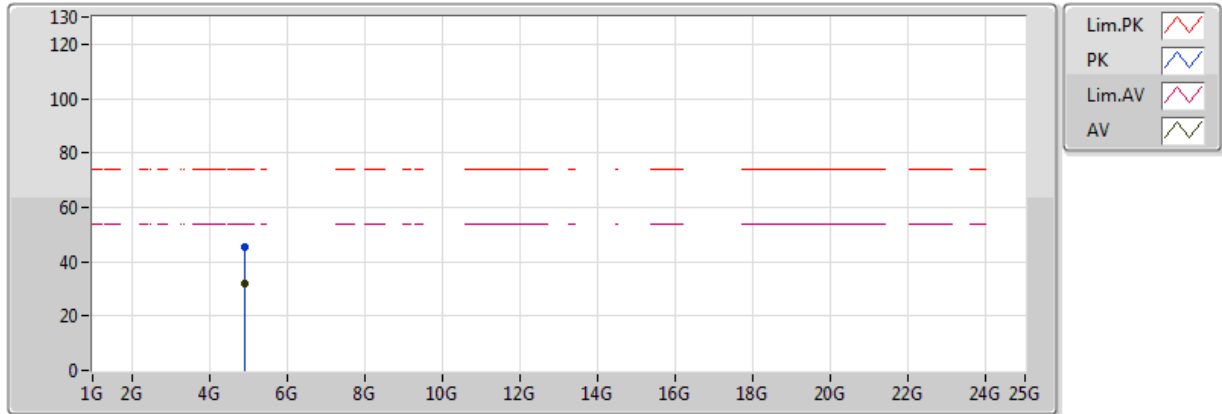
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 75  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.93068G     | 31.92             | 54.00             | -22.08         | 4.99           | 3           | Vertical  | 229            | 1.62          |  |  |  |  |  |
| PK   | 4.91792G     | 45.14             | 74.00             | -28.86         | 4.97           | 3           | Vertical  | 229            | 1.62          |  |  |  |  |  |

## HE20,BF\_Nss1,(MCS0)\_4TX

## 2462MHz\_TX

23/02/2018



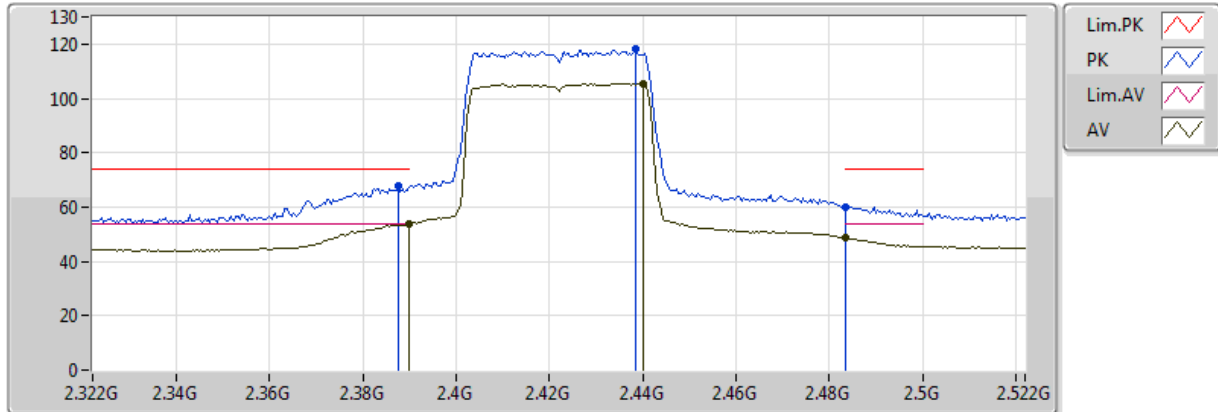
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 75  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.93064G     | 31.81             | 54.00             | -22.19         | 4.99           | 3           | Horizontal | 305            | 1.50          |  |  |  |  |  |
| PK   | 4.92G        | 45.27             | 74.00             | -28.73         | 4.97           | 3           | Horizontal | 305            | 1.50          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

12/02/2018



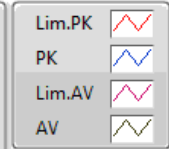
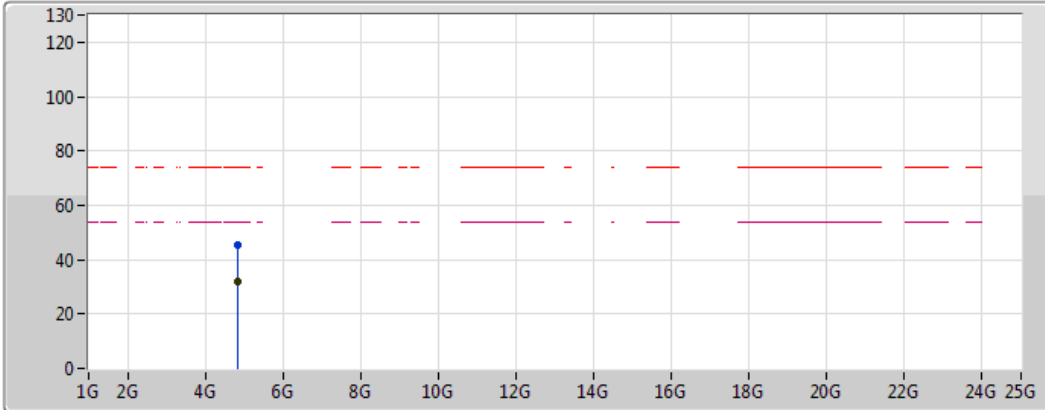
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 64  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.94             | 54.00             | -0.06          | 32.12          | 3           | Vertical  | 306            | 2.05          |  |  |  |  |  |
| AV   | 2.44G        | 105.54            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 306            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 48.63             | 54.00             | -5.37          | 32.42          | 3           | Vertical  | 306            | 2.05          |  |  |  |  |  |
| PK   | 2.3876G      | 67.60             | 74.00             | -6.40          | 32.11          | 3           | Vertical  | 306            | 2.05          |  |  |  |  |  |
| PK   | 2.4384G      | 118.07            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 306            | 2.05          |  |  |  |  |  |
| PK   | 2.4836G      | 60.10             | 74.00             | -13.90         | 32.42          | 3           | Vertical  | 306            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



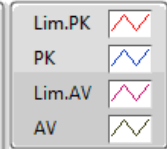
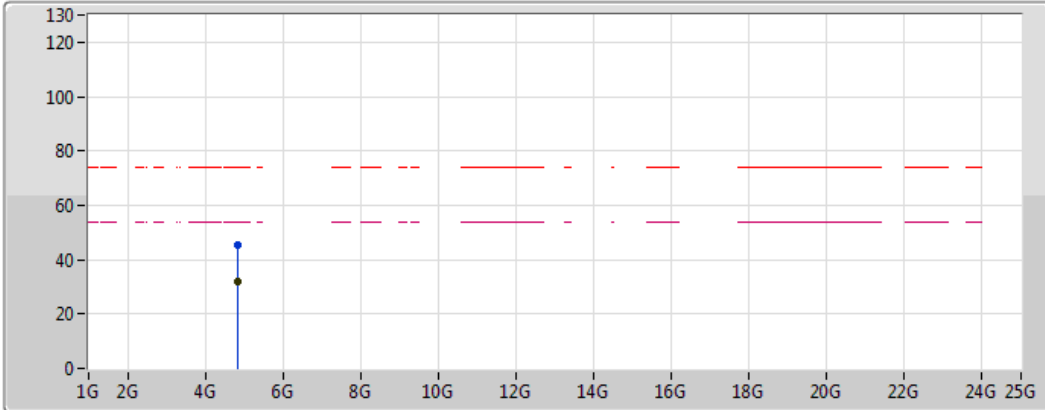
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 64  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.84228G     | 32.12             | 54.00             | -21.88         | 4.88           | 3           | Vertical  | 234            | 1.50          |  |  |  |  |  |
| PK   | 4.84592G     | 45.50             | 74.00             | -28.50         | 4.88           | 3           | Vertical  | 234            | 1.50          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



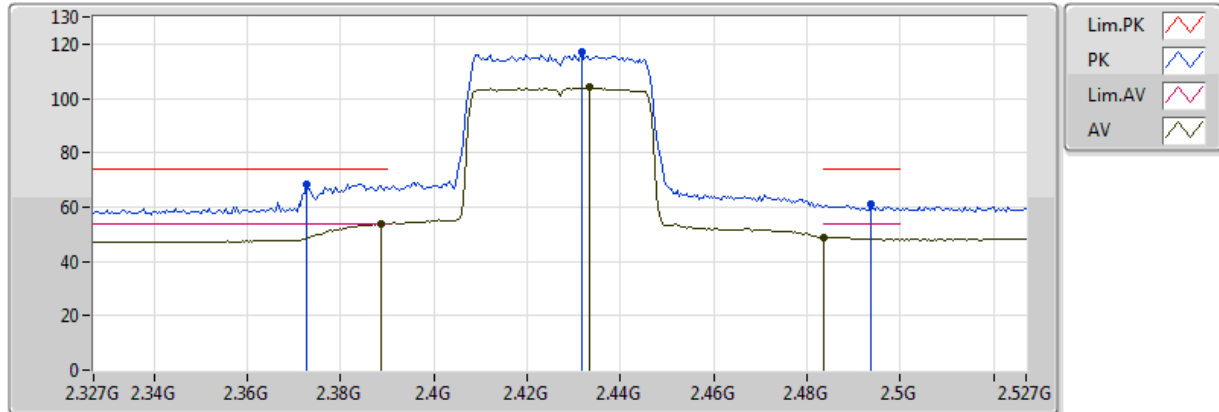
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 64  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.85108G     | 32.00             | 54.00             | -22.00         | 4.89           | 3           | Horizontal | 76             | 1.50          |  |  |  |  |  |
| PK   | 4.85276G     | 45.28             | 74.00             | -28.72         | 4.89           | 3           | Horizontal | 76             | 1.50          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2427MHz\_TX

13/02/2018



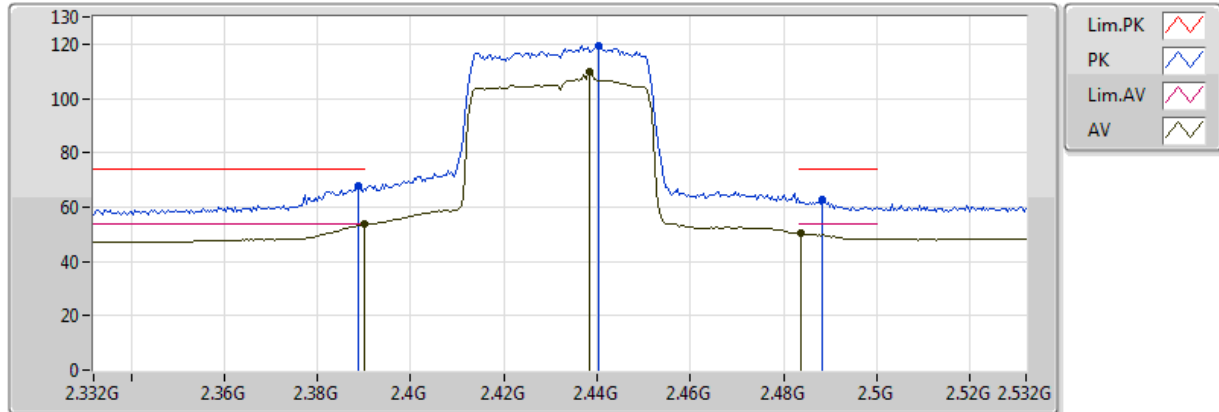
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 60  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3886G      | 53.86             | 54.00             | -0.14          | 32.14          | 3           | Vertical  | 76             | 1.98          |  |  |  |  |  |
| AV   | 2.4334G      | 103.95            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 76             | 1.98          |  |  |  |  |  |
| AV   | 2.483502G    | 48.97             | 54.00             | -5.03          | 32.45          | 3           | Vertical  | 76             | 1.98          |  |  |  |  |  |
| PK   | 2.3726G      | 68.57             | 74.00             | -5.43          | 32.09          | 3           | Vertical  | 76             | 1.98          |  |  |  |  |  |
| PK   | 2.4318G      | 116.98            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 76             | 1.98          |  |  |  |  |  |
| PK   | 2.4938G      | 60.95             | 74.00             | -13.05         | 32.48          | 3           | Vertical  | 76             | 1.98          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



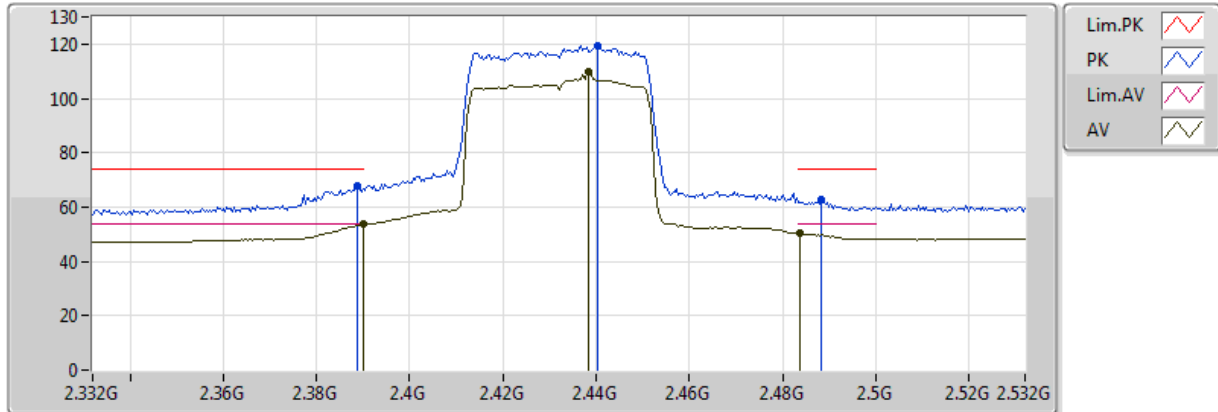
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



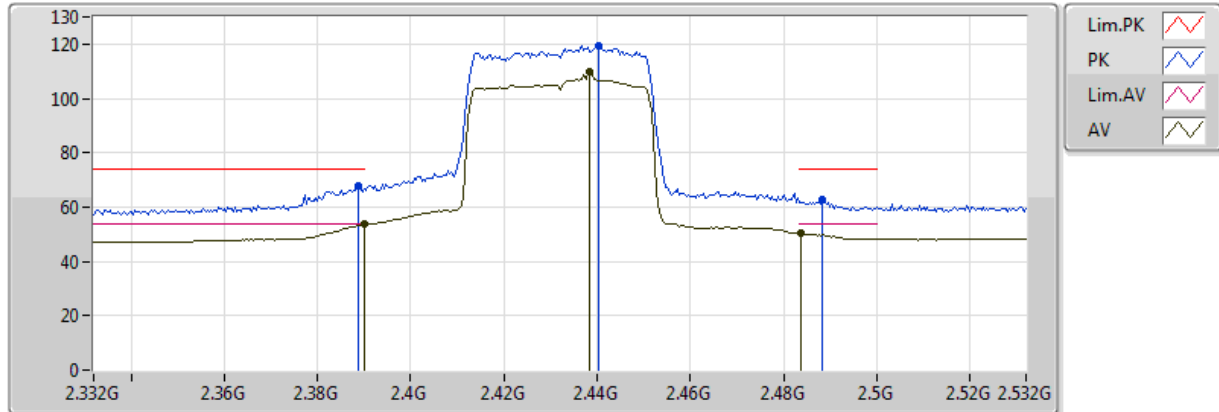
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



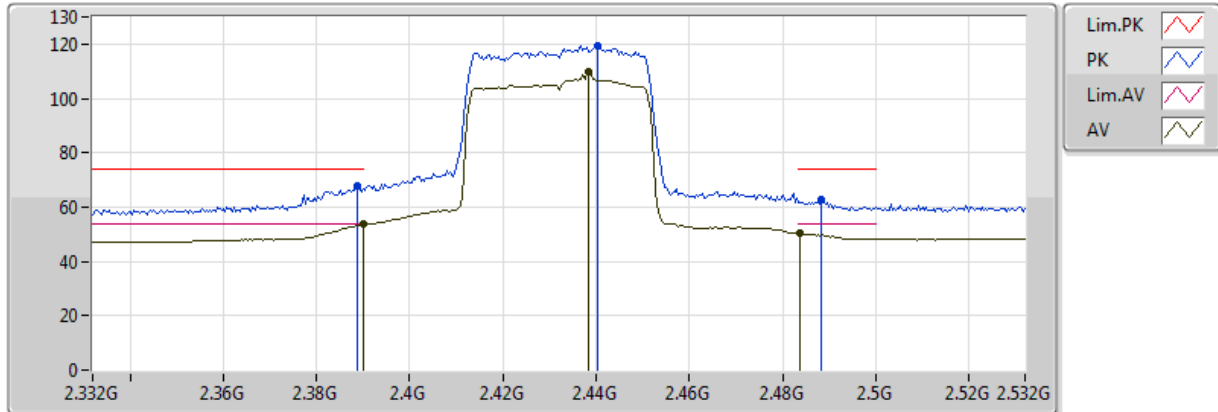
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



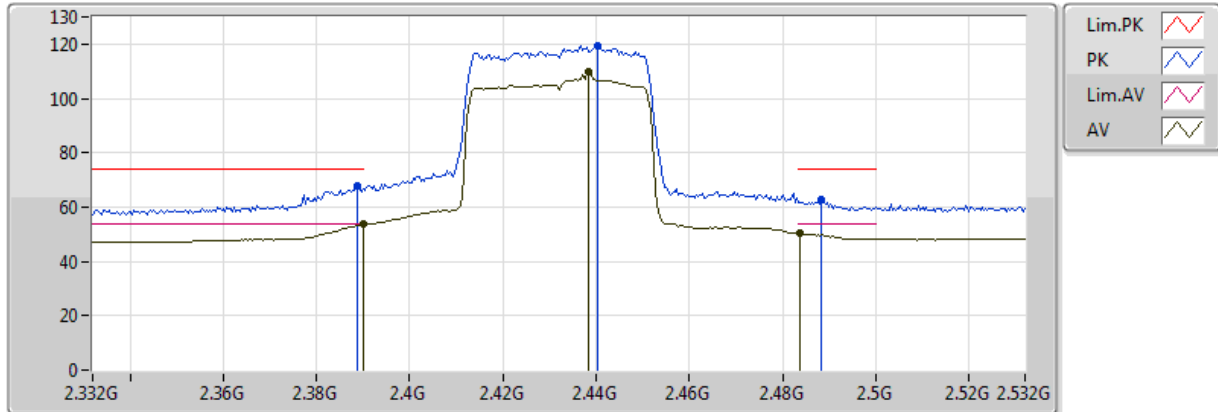
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



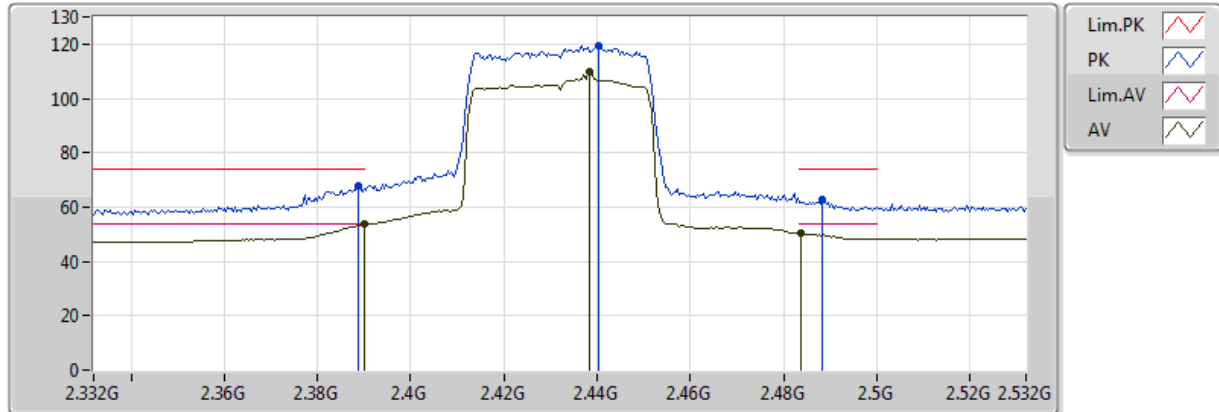
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



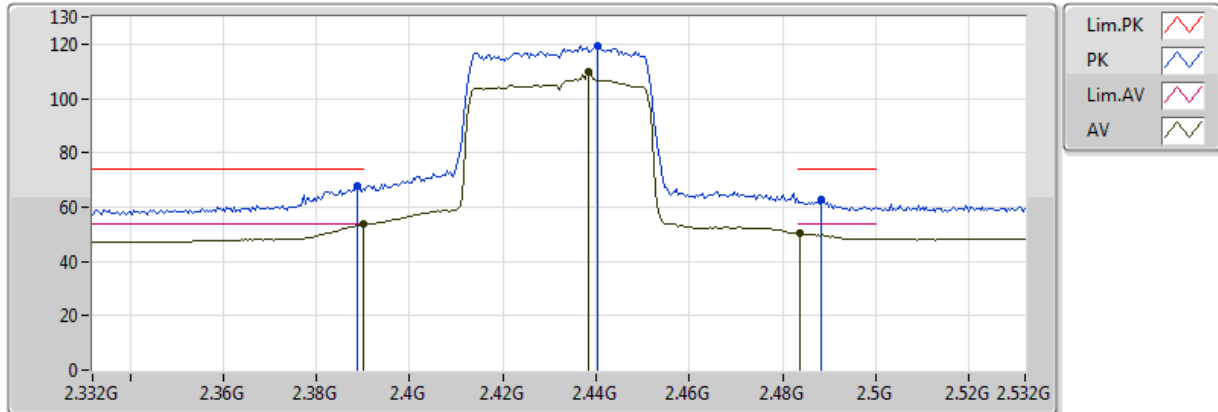
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



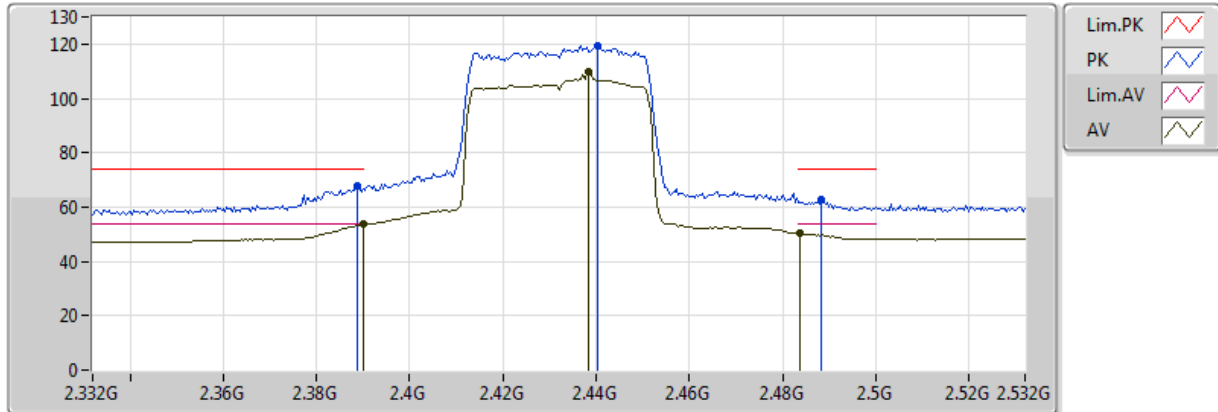
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2432MHz\_TX

13/02/2018



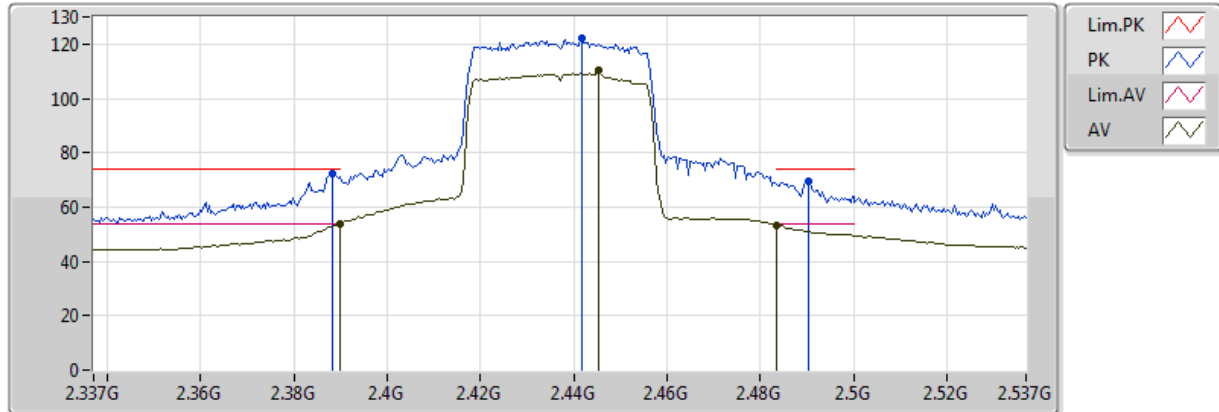
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 66  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.63             | 54.00             | -0.37          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4384G      | 109.93            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| AV   | 2.4836G      | 50.25             | 54.00             | -3.75          | 32.45          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.3888G      | 67.78             | 74.00             | -6.22          | 32.14          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4404G      | 119.25            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |
| PK   | 2.4884G      | 62.73             | 74.00             | -11.27         | 32.46          | 3           | Vertical  | 173            | 2.05          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



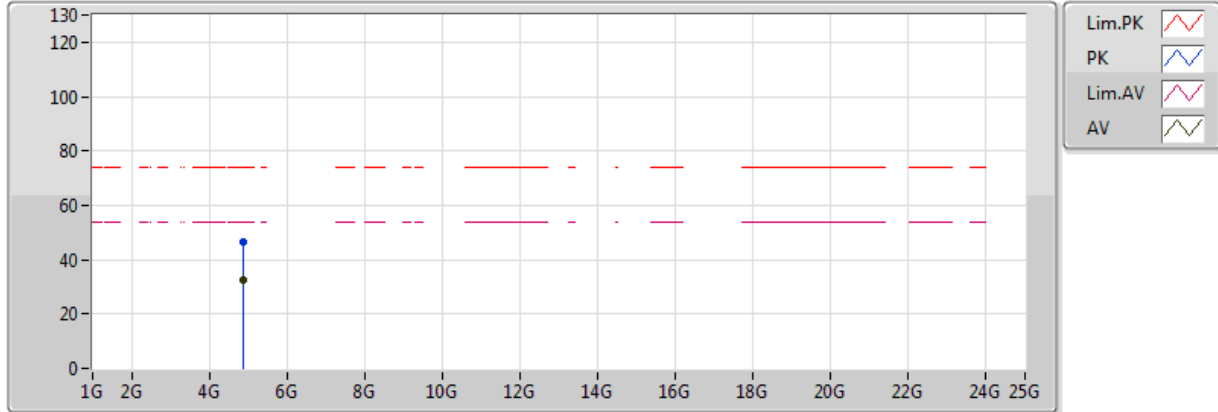
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 53.75             | 54.00             | -0.25          | 32.12          | 3           | Vertical  | 305            | 1.90          |  |  |  |  |  |
| AV   | 2.4454G      | 110.11            | Inf               | -Inf           | 32.30          | 3           | Vertical  | 305            | 1.90          |  |  |  |  |  |
| AV   | 2.483502G    | 53.44             | 54.00             | -0.56          | 32.42          | 3           | Vertical  | 305            | 1.90          |  |  |  |  |  |
| PK   | 2.3882G      | 72.24             | 74.00             | -1.76          | 32.11          | 3           | Vertical  | 305            | 1.90          |  |  |  |  |  |
| PK   | 2.4418G      | 121.91            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 305            | 1.90          |  |  |  |  |  |
| PK   | 2.4902G      | 69.33             | 74.00             | -4.67          | 32.44          | 3           | Vertical  | 305            | 1.90          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



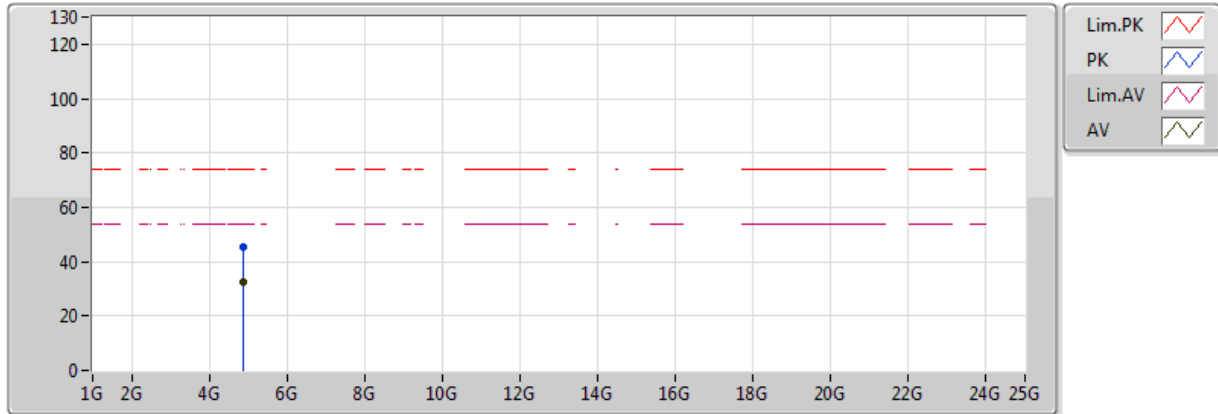
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8742G      | 32.51             | 54.00             | -21.49         | 4.91           | 3           | Vertical  | 283            | 1.50          |  |  |  |  |  |
| PK   | 4.86448G     | 46.59             | 74.00             | -27.41         | 4.90           | 3           | Vertical  | 283            | 1.50          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



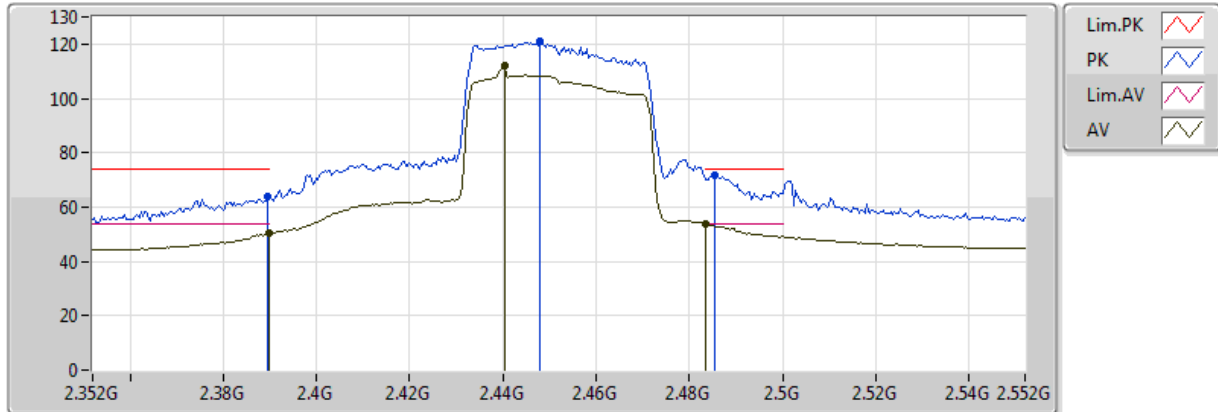
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87716G     | 32.40             | 54.00             | -21.60         | 4.92           | 3           | Horizontal | 193            | 1.50          |  |  |  |  |  |
| PK   | 4.8774G      | 45.26             | 74.00             | -28.74         | 4.92           | 3           | Horizontal | 193            | 1.50          |  |  |  |  |  |

### HE40,BF\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX

12/02/2018



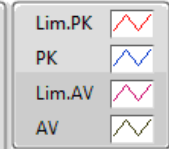
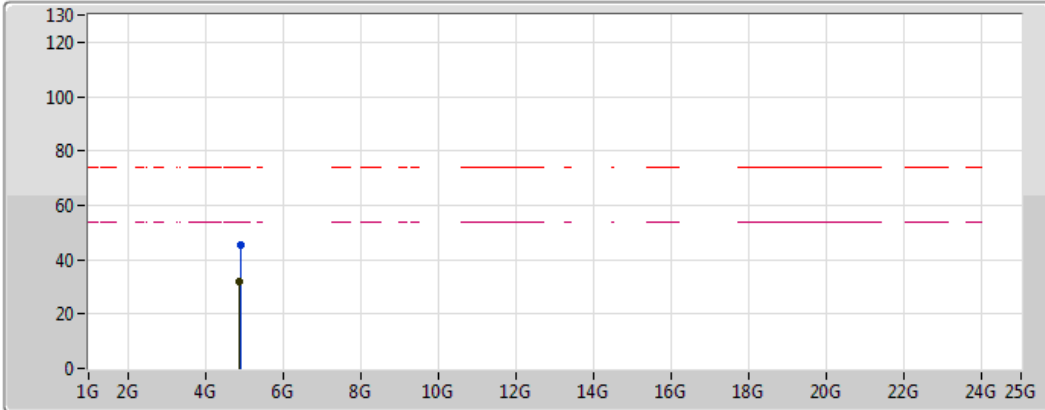
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 50.48             | 54.00             | -3.52          | 32.12          | 3           | Vertical  | 315            | 2.10          |  |  |  |  |  |
| AV   | 2.4404G      | 112.30            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 315            | 2.10          |  |  |  |  |  |
| AV   | 2.4836G      | 53.57             | 54.00             | -0.43          | 32.42          | 3           | Vertical  | 315            | 2.10          |  |  |  |  |  |
| PK   | 2.3896G      | 63.60             | 74.00             | -10.40         | 32.12          | 3           | Vertical  | 315            | 2.10          |  |  |  |  |  |
| PK   | 2.448G       | 120.83            | Inf               | -Inf           | 32.31          | 3           | Vertical  | 315            | 2.10          |  |  |  |  |  |
| PK   | 2.4856G      | 71.96             | 74.00             | -2.04          | 32.43          | 3           | Vertical  | 315            | 2.10          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



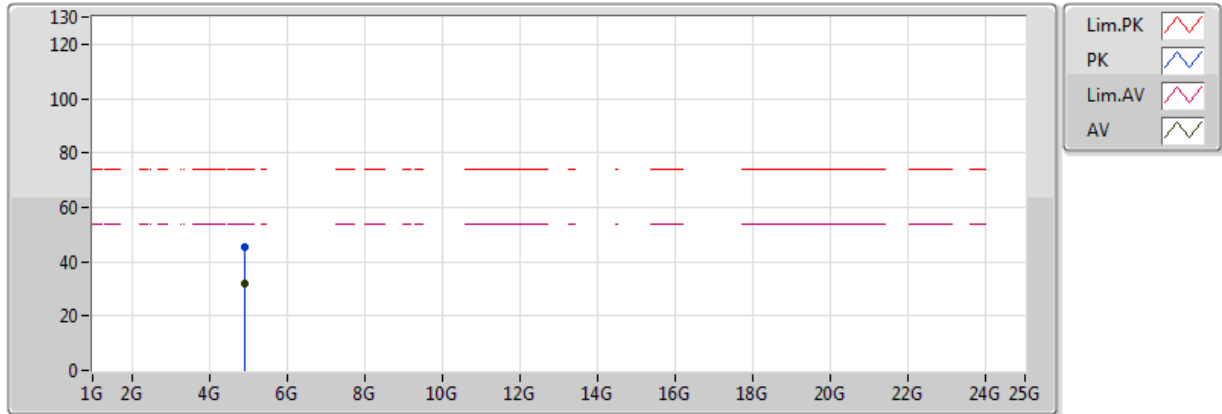
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.89416G     | 32.19             | 54.00             | -21.81         | 4.94           | 3           | Vertical  | 224            | 1.73          |  |  |  |  |  |
| PK   | 4.90192G     | 45.45             | 74.00             | -28.55         | 4.95           | 3           | Vertical  | 224            | 1.73          |  |  |  |  |  |

## HE40,BF\_Nss1,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



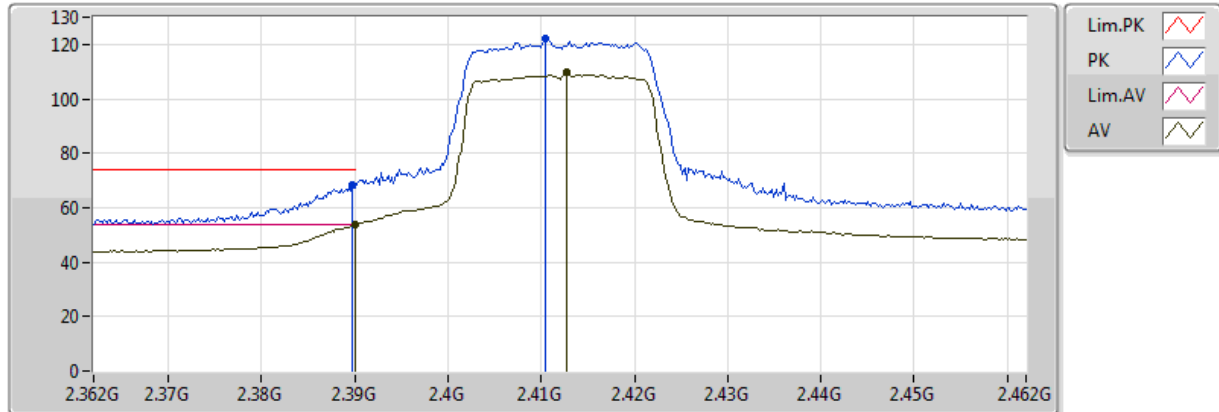
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 76  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.90708G     | 32.20             | 54.00             | -21.80         | 4.95           | 3           | Horizontal | 36             | 1.30          |  |  |  |  |  |
| PK   | 4.9012G      | 45.42             | 74.00             | -28.58         | 4.94           | 3           | Horizontal | 36             | 1.30          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2412MHz\_TX

12/02/2018



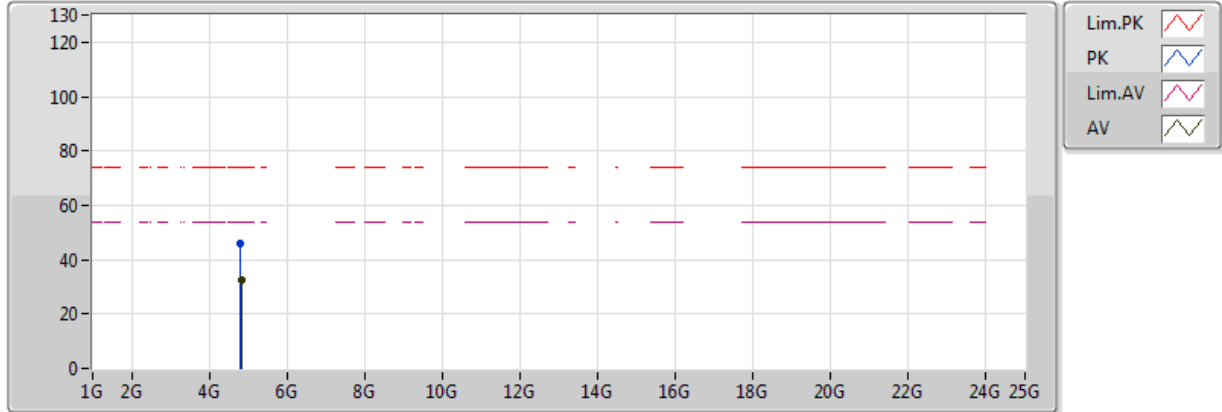
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 77  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.52             | 54.00             | -0.48          | 32.12          | 3           | Vertical  | 29             | 1.92          |  |  |  |  |  |
| AV   | 2.4128G      | 109.83            | Inf               | -Inf           | 32.19          | 3           | Vertical  | 29             | 1.92          |  |  |  |  |  |
| PK   | 2.3898G      | 68.22             | 74.00             | -5.78          | 32.12          | 3           | Vertical  | 29             | 1.92          |  |  |  |  |  |
| PK   | 2.4104G      | 122.07            | Inf               | -Inf           | 32.18          | 3           | Vertical  | 29             | 1.92          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2412MHz\_TX

23/02/2018



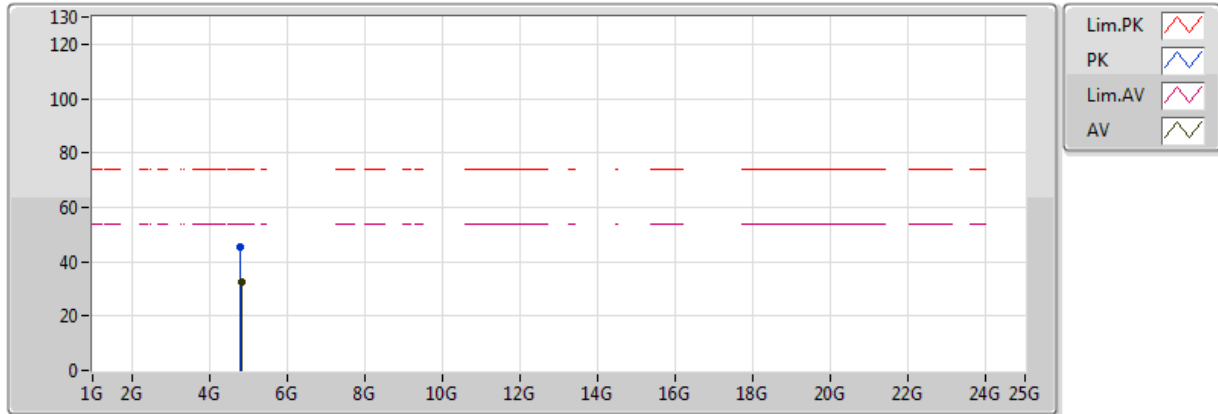
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 77  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.81752G     | 32.42             | 54.00             | -21.58         | 4.85           | 3           | Vertical  | 85             | 2.06          |  |  |  |  |  |
| PK   | 4.8172G      | 45.85             | 74.00             | -28.15         | 4.85           | 3           | Vertical  | 85             | 2.06          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2412MHz\_TX

23/02/2018



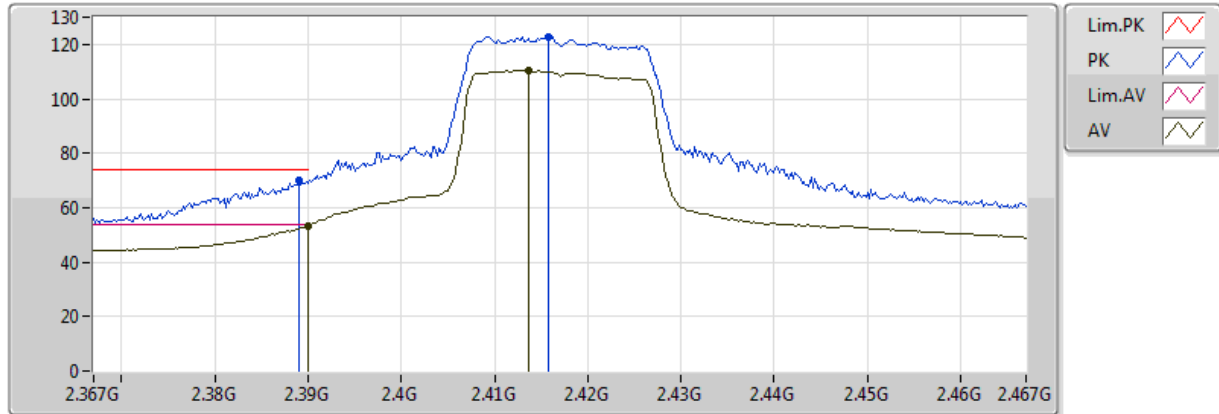
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 77  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.81808G     | 32.32             | 54.00             | -21.68         | 4.85           | 3           | Horizontal | 61             | 1.50          |  |  |  |  |  |
| PK   | 4.81556G     | 45.50             | 74.00             | -28.50         | 4.85           | 3           | Horizontal | 61             | 1.50          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2417MHz\_TX

12/02/2018



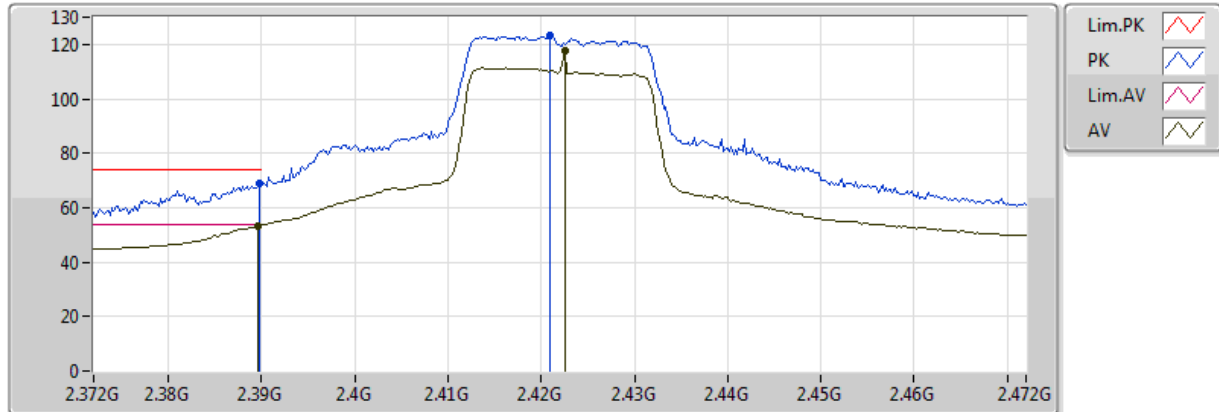
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 84  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.38             | 54.00             | -0.62          | 32.12          | 3           | Vertical  | 321            | 1.91          |  |  |  |  |  |
| AV   | 2.4136G      | 110.39            | Inf               | -Inf           | 32.19          | 3           | Vertical  | 321            | 1.91          |  |  |  |  |  |
| PK   | 2.389G       | 69.86             | 74.00             | -4.14          | 32.11          | 3           | Vertical  | 321            | 1.91          |  |  |  |  |  |
| PK   | 2.4158G      | 122.76            | Inf               | -Inf           | 32.20          | 3           | Vertical  | 321            | 1.91          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

12/02/2018



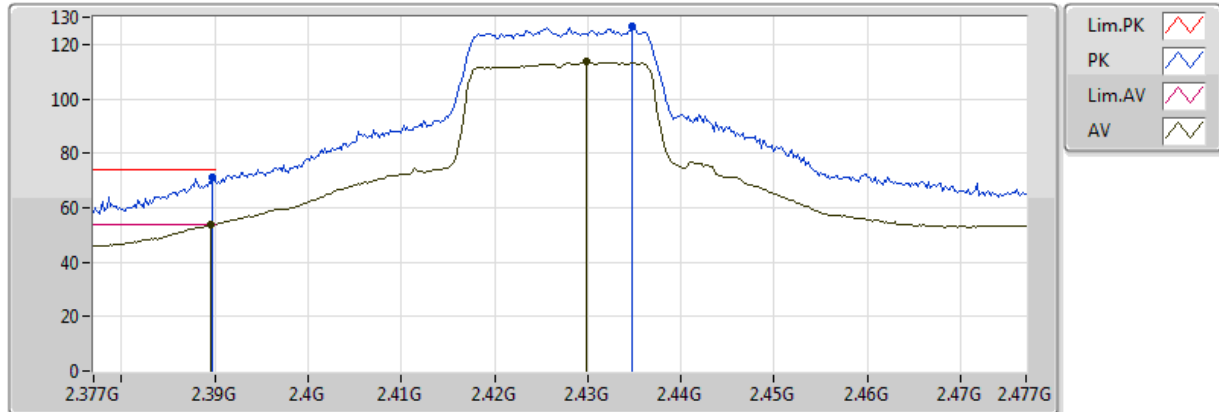
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 90  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3896G      | 53.46             | 54.00             | -0.54          | 32.12          | 3           | Vertical  | 223            | 2.38          |  |  |  |  |  |
| AV   | 2.4226G      | 117.62            | Inf               | -Inf           | 32.22          | 3           | Vertical  | 223            | 2.38          |  |  |  |  |  |
| PK   | 2.3898G      | 68.85             | 74.00             | -5.15          | 32.12          | 3           | Vertical  | 223            | 2.38          |  |  |  |  |  |
| PK   | 2.421G       | 123.08            | Inf               | -Inf           | 32.22          | 3           | Vertical  | 223            | 2.38          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2427MHz\_TX

12/02/2018



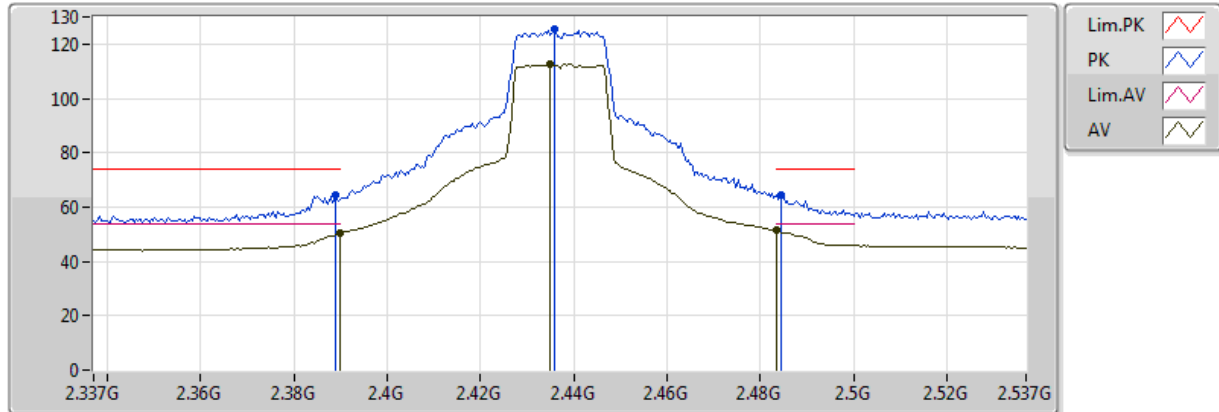
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 94  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3896G      | 53.84             | 54.00             | -0.16          | 32.12          | 3           | Vertical  | 305            | 2.10          |  |  |  |  |  |
| AV   | 2.4298G      | 113.52            | Inf               | -Inf           | 32.25          | 3           | Vertical  | 305            | 2.10          |  |  |  |  |  |
| PK   | 2.3898G      | 70.98             | 74.00             | -3.02          | 32.12          | 3           | Vertical  | 305            | 2.10          |  |  |  |  |  |
| PK   | 2.4348G      | 126.45            | Inf               | -Inf           | 32.26          | 3           | Vertical  | 305            | 2.10          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



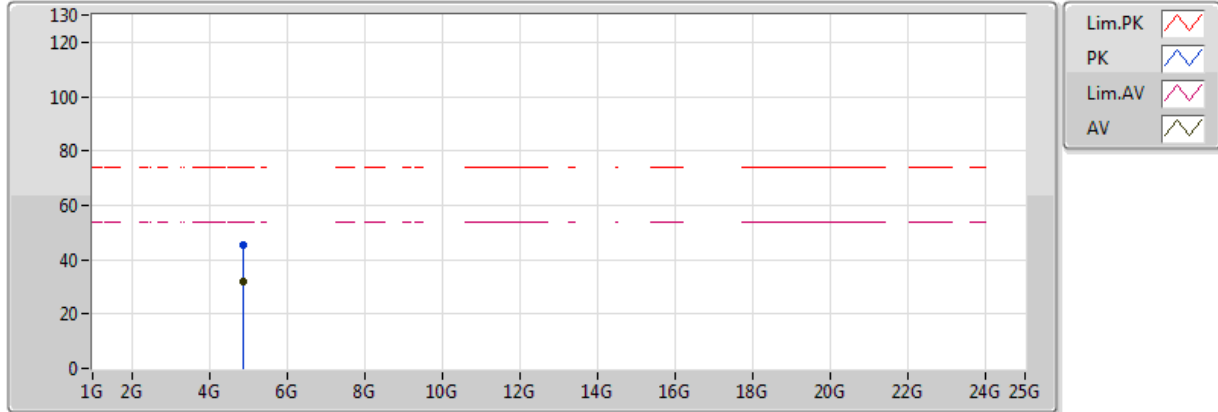
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 50.37             | 54.00             | -3.63          | 32.12          | 3           | Vertical  | 56             | 1.80          |  |  |  |  |  |
| AV   | 2.435G       | 112.60            | Inf               | -Inf           | 32.26          | 3           | Vertical  | 56             | 1.80          |  |  |  |  |  |
| AV   | 2.483502G    | 51.40             | 54.00             | -2.60          | 32.42          | 3           | Vertical  | 56             | 1.80          |  |  |  |  |  |
| PK   | 2.389G       | 64.44             | 74.00             | -9.56          | 32.11          | 3           | Vertical  | 56             | 1.80          |  |  |  |  |  |
| PK   | 2.4358G      | 125.32            | Inf               | -Inf           | 32.27          | 3           | Vertical  | 56             | 1.80          |  |  |  |  |  |
| PK   | 2.4846G      | 64.45             | 74.00             | -9.55          | 32.42          | 3           | Vertical  | 56             | 1.80          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



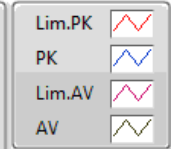
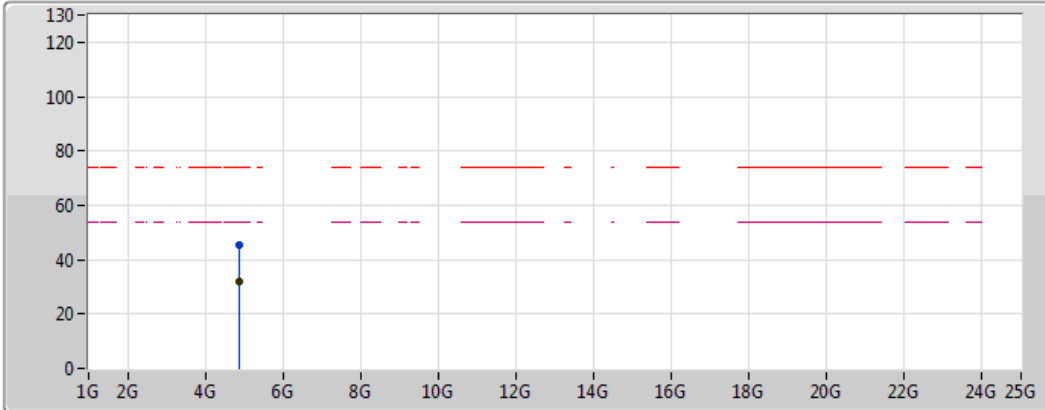
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87436G     | 32.15             | 54.00             | -21.85         | 4.91           | 3           | Vertical  | 333            | 1.60          |  |  |  |  |  |
| PK   | 4.86564G     | 45.44             | 74.00             | -28.56         | 4.91           | 3           | Vertical  | 333            | 1.60          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



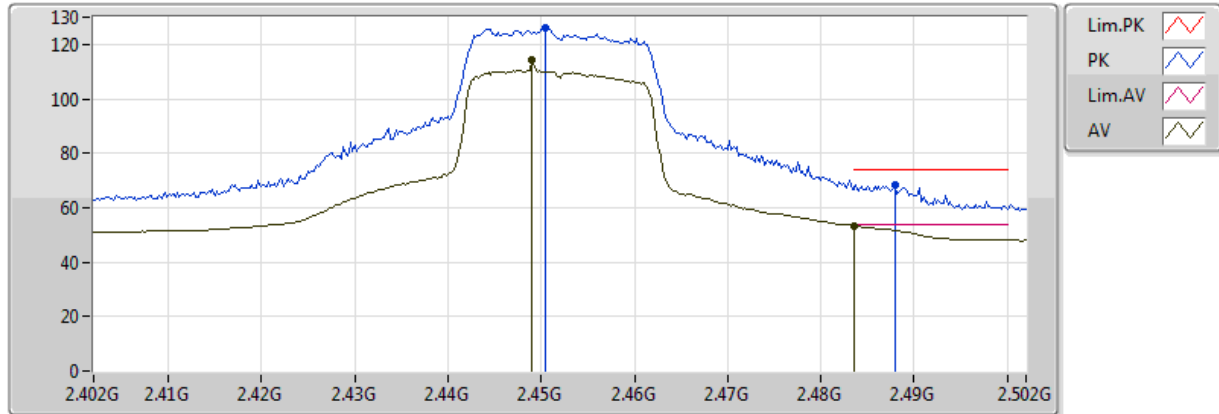
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 96  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.87412G     | 31.99             | 54.00             | -22.01         | 4.91           | 3           | Horizontal | 277            | 1.39          |  |  |  |  |  |
| PK   | 4.8732G      | 45.60             | 74.00             | -28.40         | 4.91           | 3           | Horizontal | 277            | 1.39          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

### 2452MHz\_TX

13/02/2018



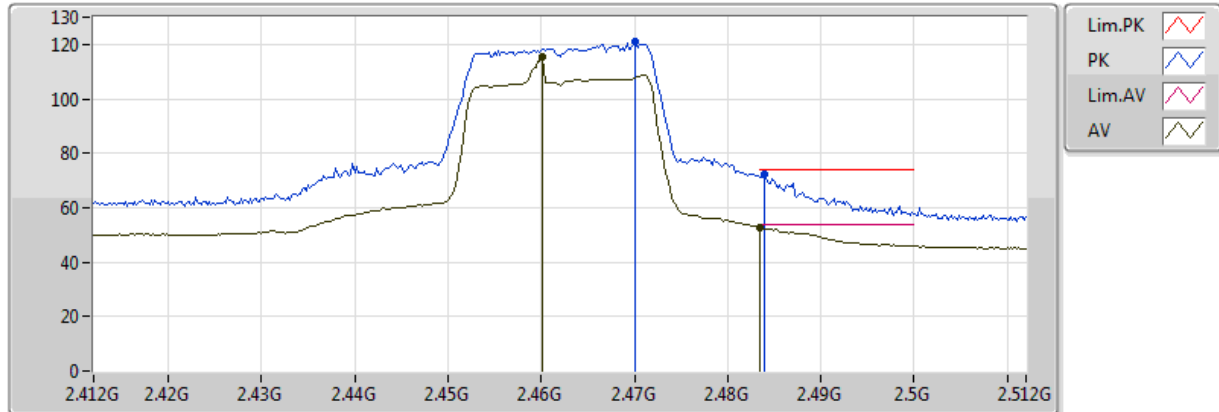
20180213  
EUT\_Z\_4TX\_Dipole  
Setting 93  
02-N-2  
FSU

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.449G       | 114.06            | Inf               | -Inf           | 32.33          | 3           | Vertical  | 123            | 1.74          |  |  |  |  |  |
| AV   | 2.483502G    | 53.41             | 54.00             | -0.59          | 32.45          | 3           | Vertical  | 123            | 1.74          |  |  |  |  |  |
| PK   | 2.4504G      | 126.13            | Inf               | -Inf           | 32.34          | 3           | Vertical  | 123            | 1.74          |  |  |  |  |  |
| PK   | 2.488G       | 68.60             | 74.00             | -5.40          | 32.46          | 3           | Vertical  | 123            | 1.74          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2462MHz\_TX

12/02/2018



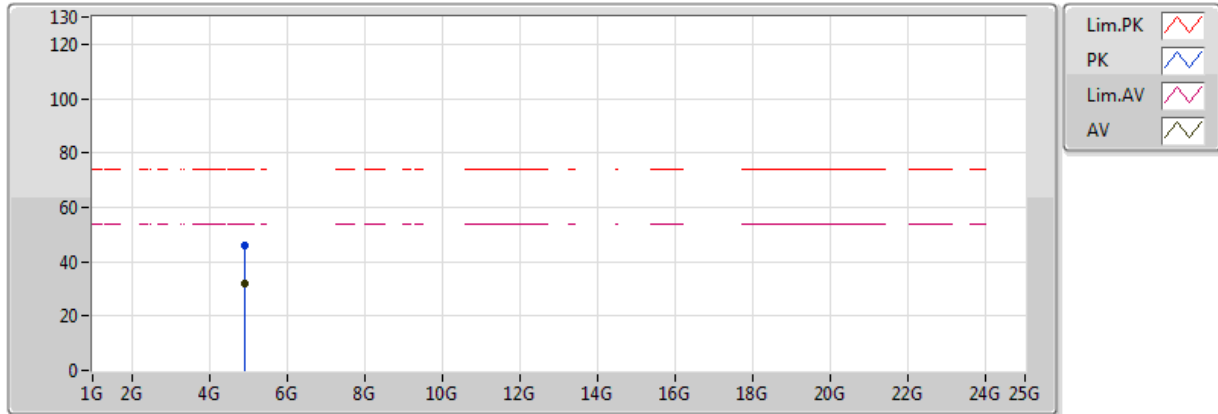
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 79(升1OVER)  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.4602G      | 115.31            | Inf               | -Inf           | 32.35          | 3           | Vertical  | 150            | 2.60          |  |  |  |  |  |
| AV   | 2.483502G    | 52.66             | 54.00             | -1.34          | 32.42          | 3           | Vertical  | 150            | 2.60          |  |  |  |  |  |
| PK   | 2.47G        | 120.84            | Inf               | -Inf           | 32.38          | 3           | Vertical  | 150            | 2.60          |  |  |  |  |  |
| PK   | 2.484G       | 72.50             | 74.00             | -1.50          | 32.42          | 3           | Vertical  | 150            | 2.60          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2462MHz\_TX

23/02/2018



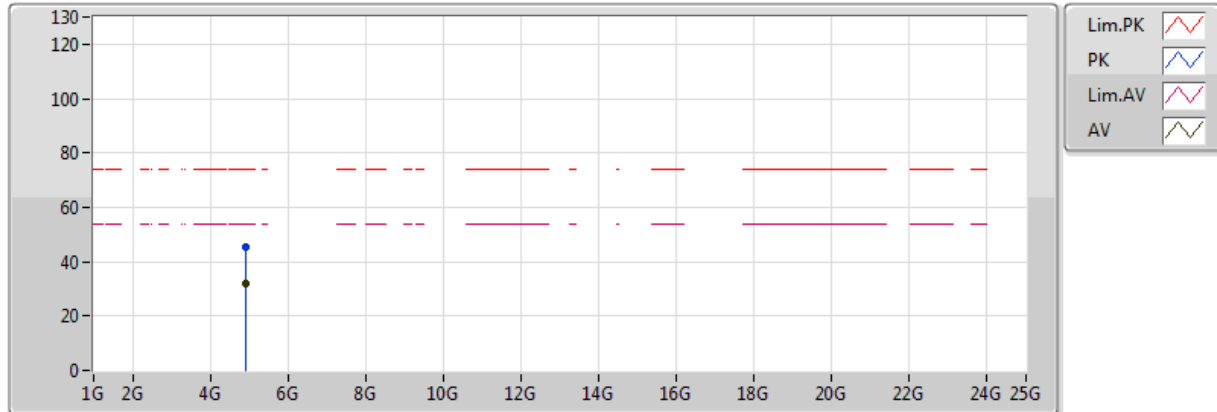
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 79  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.93068G     | 31.79             | 54.00             | -22.21         | 4.99           | 3           | Vertical  | 245            | 2.16          |  |  |  |  |  |
| PK   | 4.93352G     | 45.72             | 74.00             | -28.28         | 4.99           | 3           | Vertical  | 245            | 2.16          |  |  |  |  |  |

## HE20,BF\_Nss2,(MCS0)\_4TX

## 2462MHz\_TX

23/02/2018



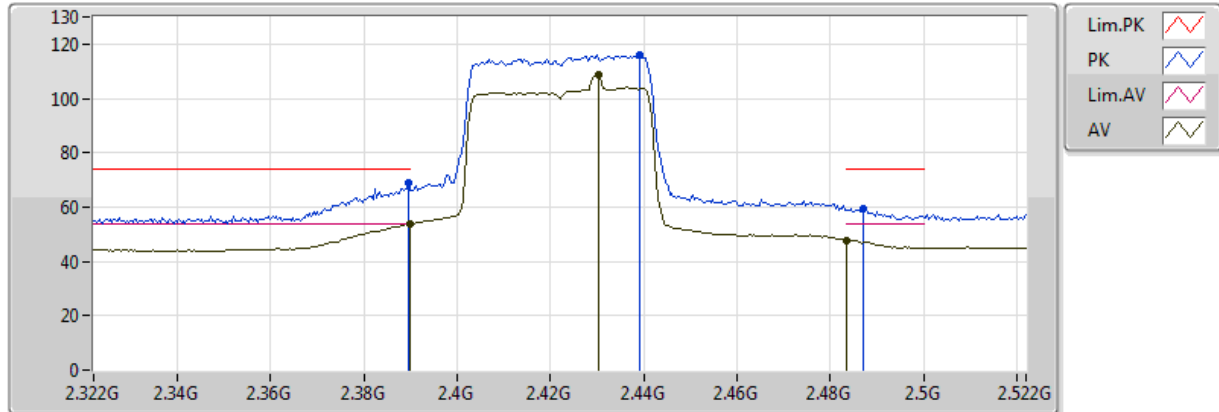
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 79  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.91828G     | 31.77             | 54.00             | -22.23         | 4.97           | 3           | Horizontal | 47             | 1.71          |  |  |  |  |  |
| PK   | 4.91612G     | 45.20             | 74.00             | -28.80         | 4.97           | 3           | Horizontal | 47             | 1.71          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

12/02/2018



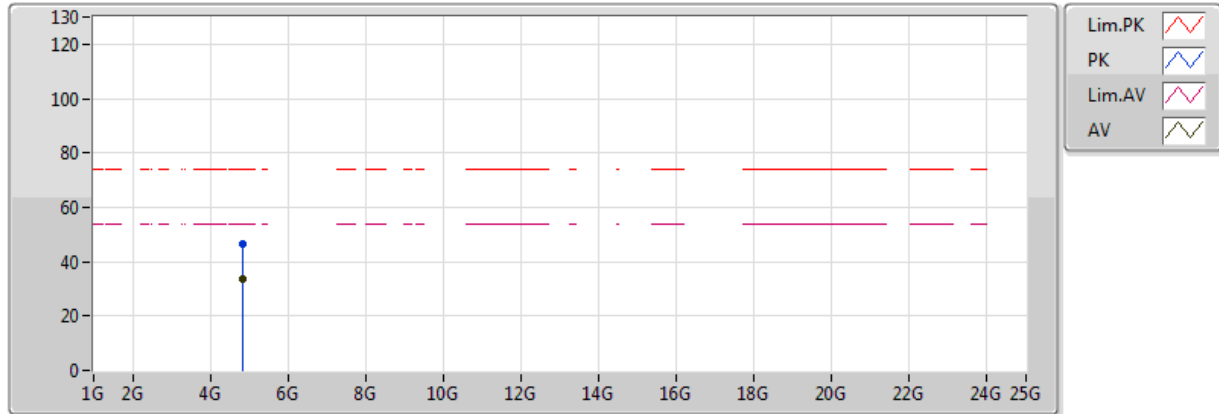
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 66  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.81             | 54.00             | -0.19          | 32.12          | 3           | Vertical  | 304            | 2.15          |  |  |  |  |  |
| AV   | 2.4304G      | 108.61            | Inf               | -Inf           | 32.25          | 3           | Vertical  | 304            | 2.15          |  |  |  |  |  |
| AV   | 2.4836G      | 47.71             | 54.00             | -6.29          | 32.42          | 3           | Vertical  | 304            | 2.15          |  |  |  |  |  |
| PK   | 2.3896G      | 68.90             | 74.00             | -5.10          | 32.12          | 3           | Vertical  | 304            | 2.15          |  |  |  |  |  |
| PK   | 2.4392G      | 116.02            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 304            | 2.15          |  |  |  |  |  |
| PK   | 2.4872G      | 59.62             | 74.00             | -14.38         | 32.43          | 3           | Vertical  | 304            | 2.15          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



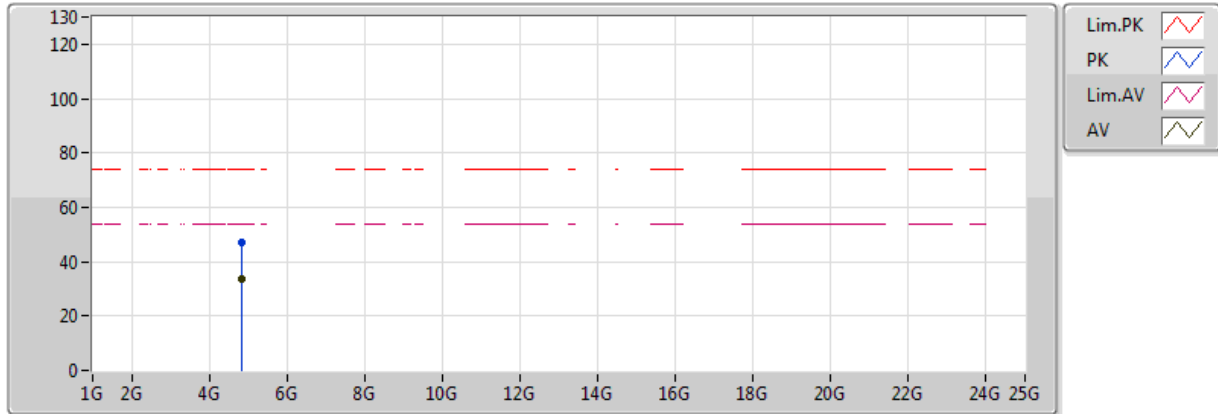
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 66  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.85332G     | 33.77             | 54.00             | -20.23         | 6.82           | 3           | Vertical  | 289            | 1.50          |  |  |  |  |  |
| PK   | 4.8458G      | 46.74             | 74.00             | -27.26         | 6.81           | 3           | Vertical  | 289            | 1.50          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2422MHz\_TX

23/02/2018



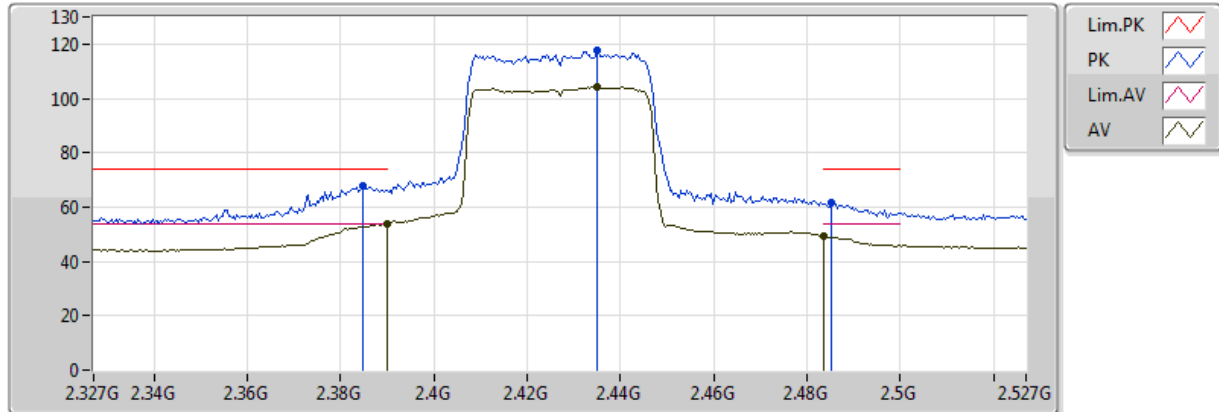
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 66  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.85264G     | 33.64             | 54.00             | -20.36         | 6.82           | 3           | Horizontal | 168            | 1.68          |  |  |  |  |  |
| PK   | 4.8398G      | 47.01             | 74.00             | -26.99         | 6.80           | 3           | Horizontal | 168            | 1.68          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2427MHz\_TX

12/02/2018



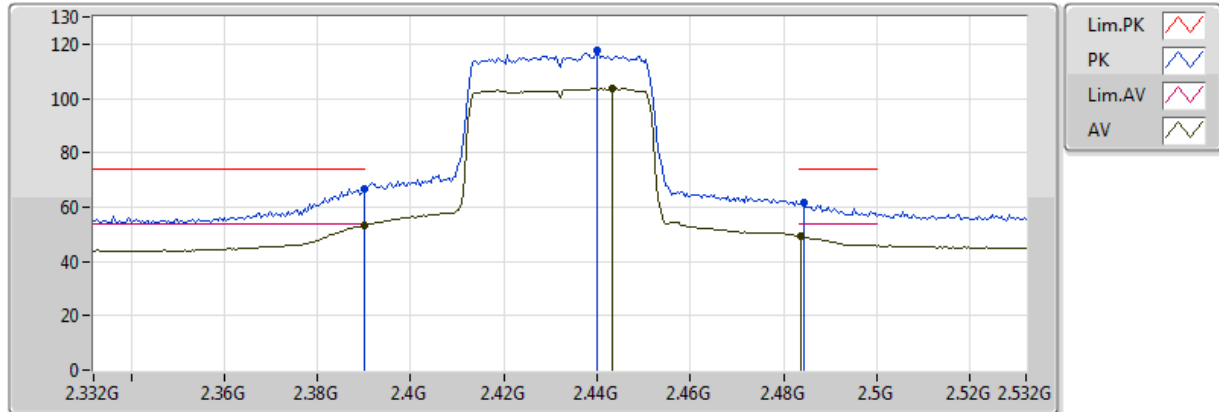
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.389998G    | 53.81             | 54.00             | -0.19          | 32.12          | 3           | Vertical  | 121            | 2.52          |  |  |  |  |  |
| AV   | 2.435G       | 104.10            | Inf               | -Inf           | 32.26          | 3           | Vertical  | 121            | 2.52          |  |  |  |  |  |
| AV   | 2.483502G    | 49.33             | 54.00             | -4.67          | 32.42          | 3           | Vertical  | 121            | 2.52          |  |  |  |  |  |
| PK   | 2.3846G      | 67.79             | 74.00             | -6.21          | 32.10          | 3           | Vertical  | 121            | 2.52          |  |  |  |  |  |
| PK   | 2.435G       | 117.87            | Inf               | -Inf           | 32.26          | 3           | Vertical  | 121            | 2.52          |  |  |  |  |  |
| PK   | 2.4854G      | 61.44             | 74.00             | -12.56         | 32.43          | 3           | Vertical  | 121            | 2.52          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



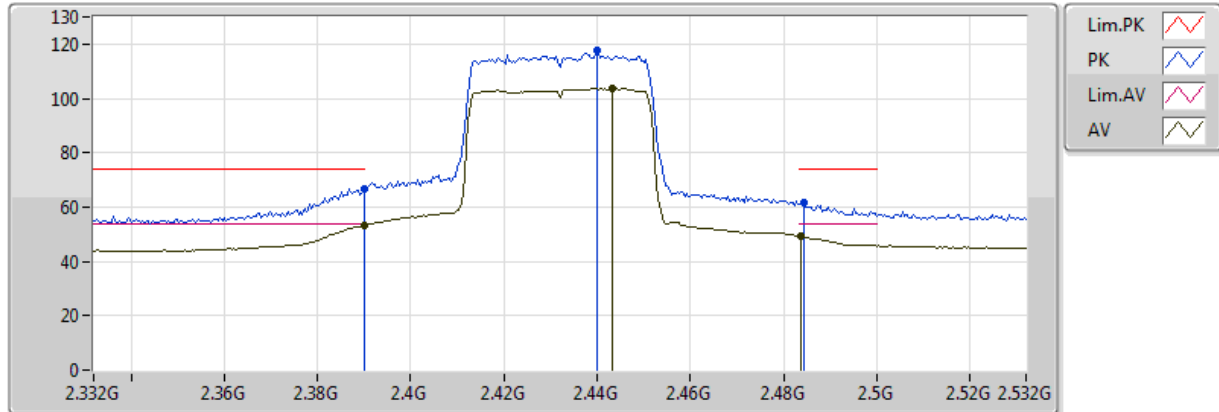
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



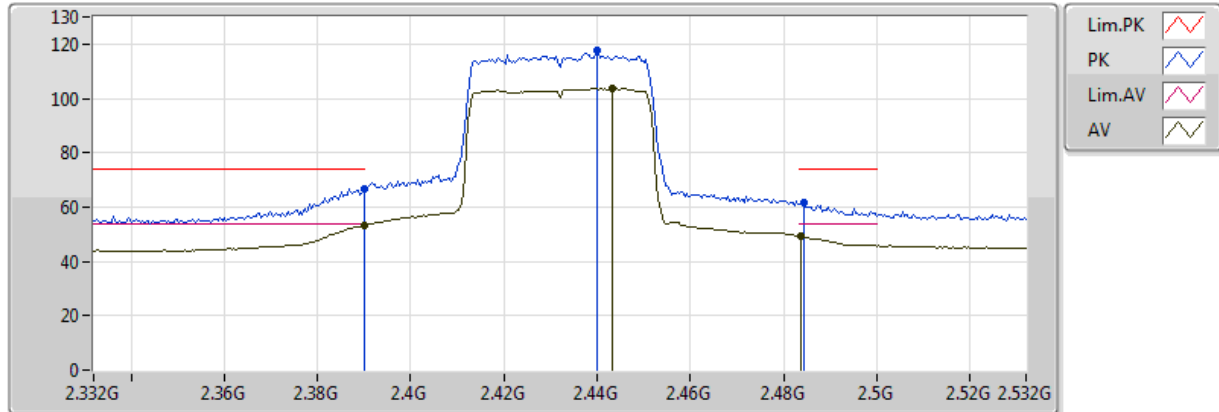
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



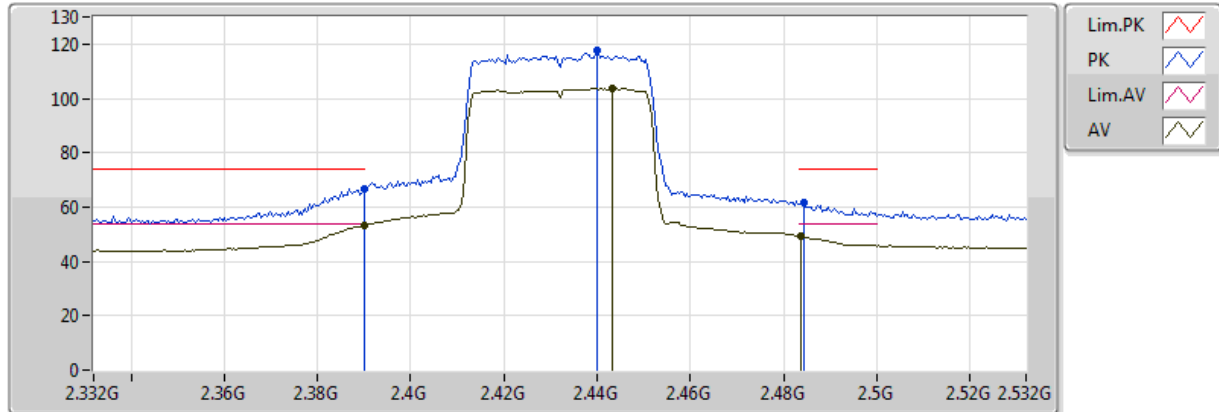
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



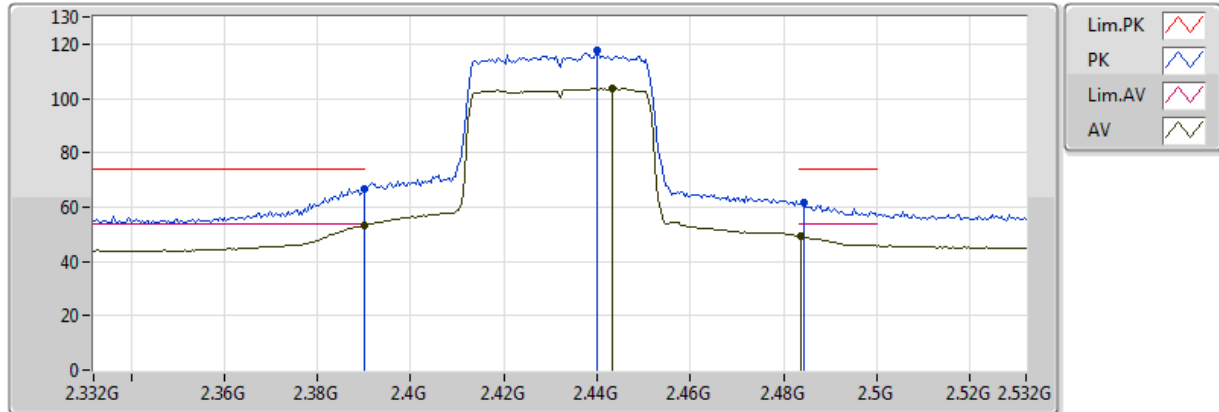
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



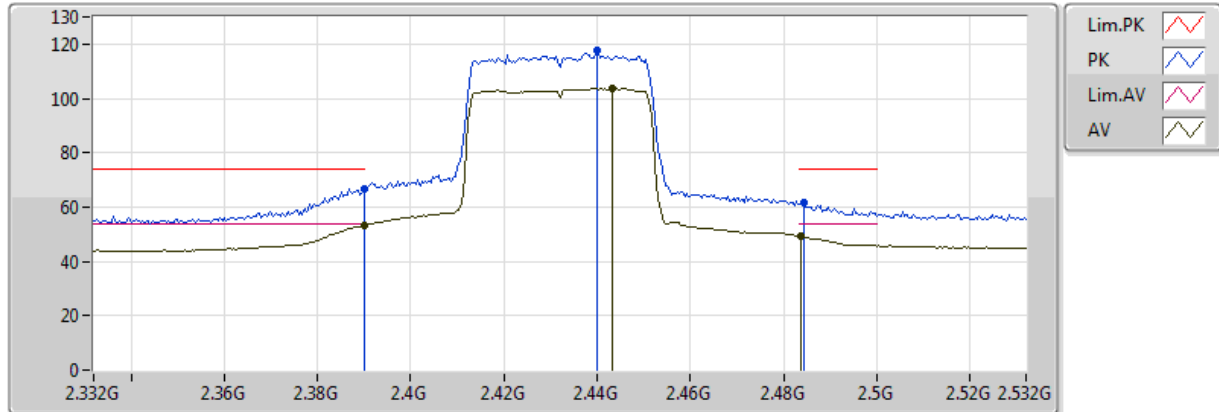
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



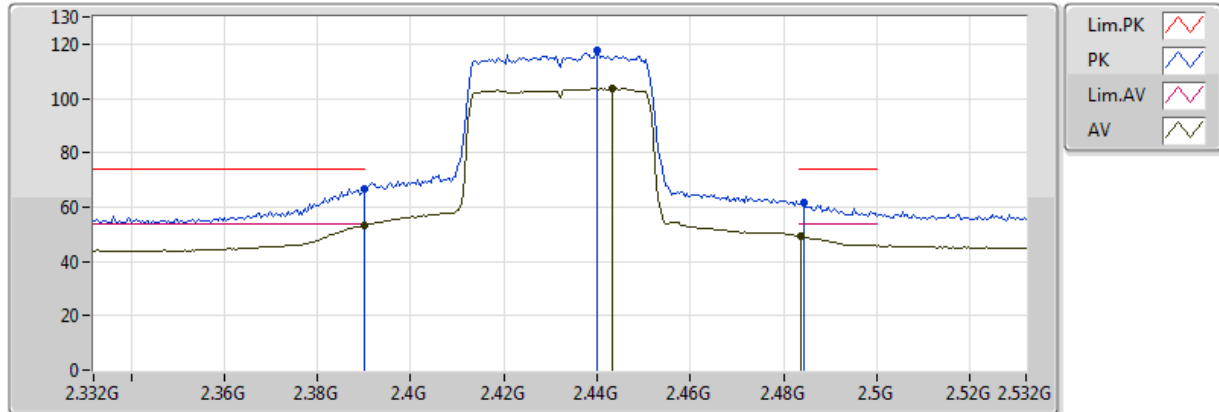
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



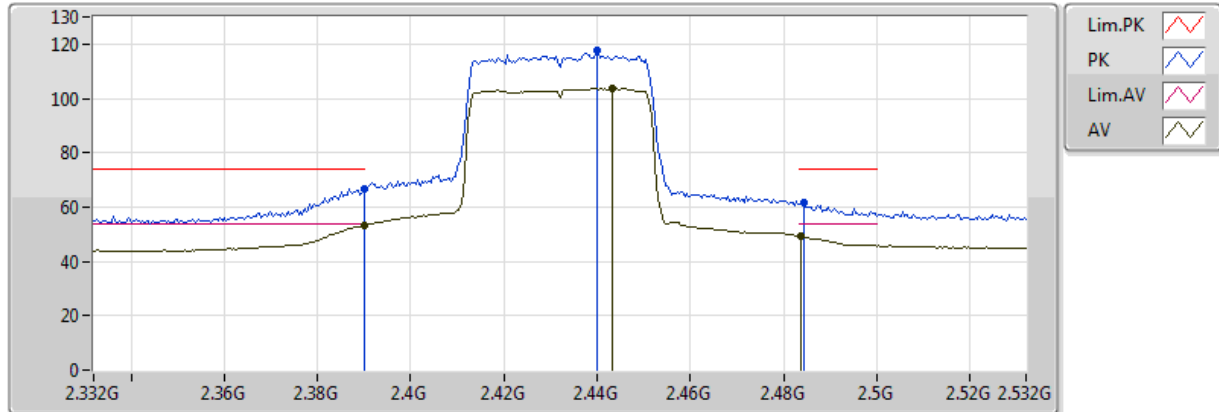
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2432MHz\_TX

12/02/2018



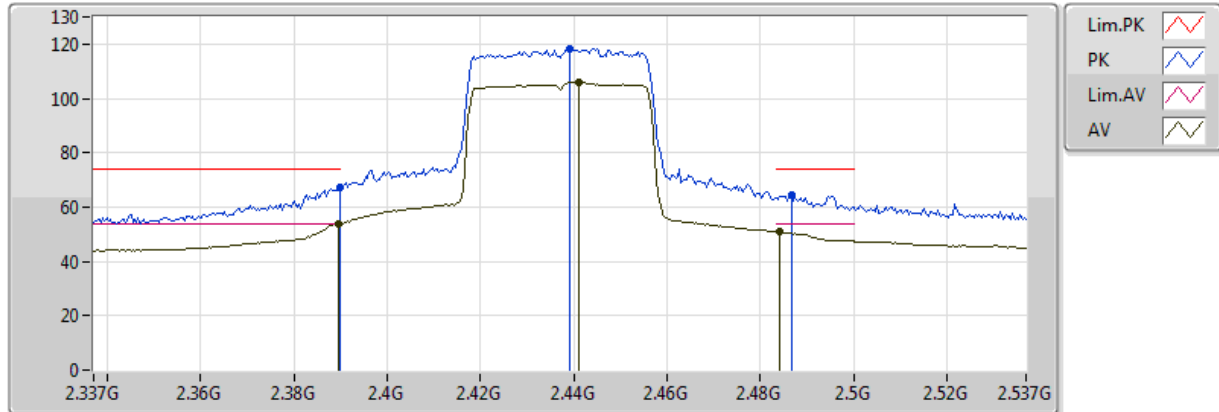
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 70  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.39G        | 53.34             | 54.00             | -0.66          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4432G      | 103.67            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| AV   | 2.4836G      | 49.18             | 54.00             | -4.82          | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.39G        | 66.93             | 74.00             | -7.07          | 32.12          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.44G        | 117.53            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |
| PK   | 2.4844G      | 61.55             | 74.00             | -12.45         | 32.42          | 3           | Vertical  | 56             | 1.95          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

12/02/2018



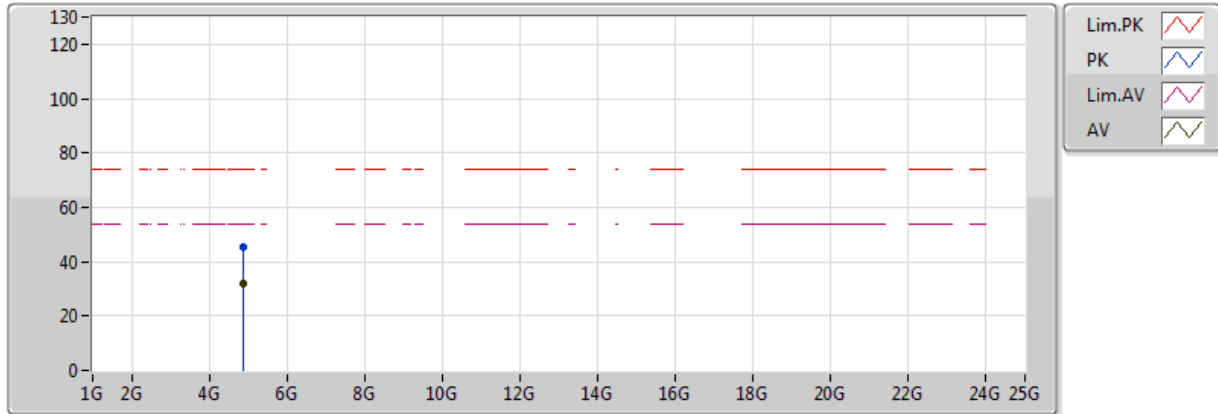
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 79  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3894G      | 53.98             | 54.00             | -0.02          | 32.12          | 3           | Vertical  | 68             | 2.18          |  |  |  |  |  |
| AV   | 2.441G       | 105.80            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 68             | 2.18          |  |  |  |  |  |
| AV   | 2.4842G      | 50.92             | 54.00             | -3.08          | 32.42          | 3           | Vertical  | 68             | 2.18          |  |  |  |  |  |
| PK   | 2.389998G    | 67.48             | 74.00             | -6.52          | 32.12          | 3           | Vertical  | 68             | 2.18          |  |  |  |  |  |
| PK   | 2.439G       | 118.33            | Inf               | -Inf           | 32.28          | 3           | Vertical  | 68             | 2.18          |  |  |  |  |  |
| PK   | 2.4866G      | 64.26             | 74.00             | -9.74          | 32.43          | 3           | Vertical  | 68             | 2.18          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



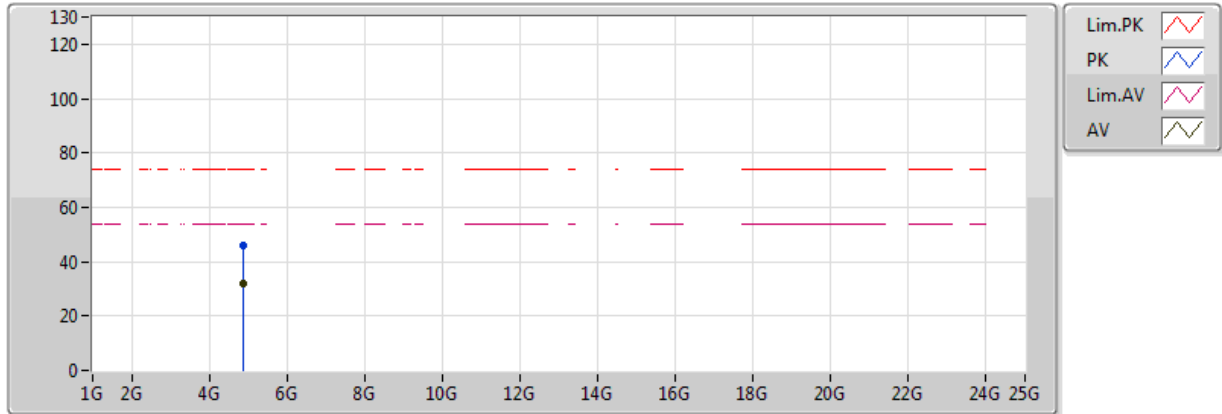
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 79  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8664G      | 32.14             | 54.00             | -21.86         | 4.91           | 3           | Vertical  | 3              | 1.28          |  |  |  |  |  |
| PK   | 4.87816G     | 45.39             | 74.00             | -28.61         | 4.92           | 3           | Vertical  | 3              | 1.28          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2437MHz\_TX

23/02/2018



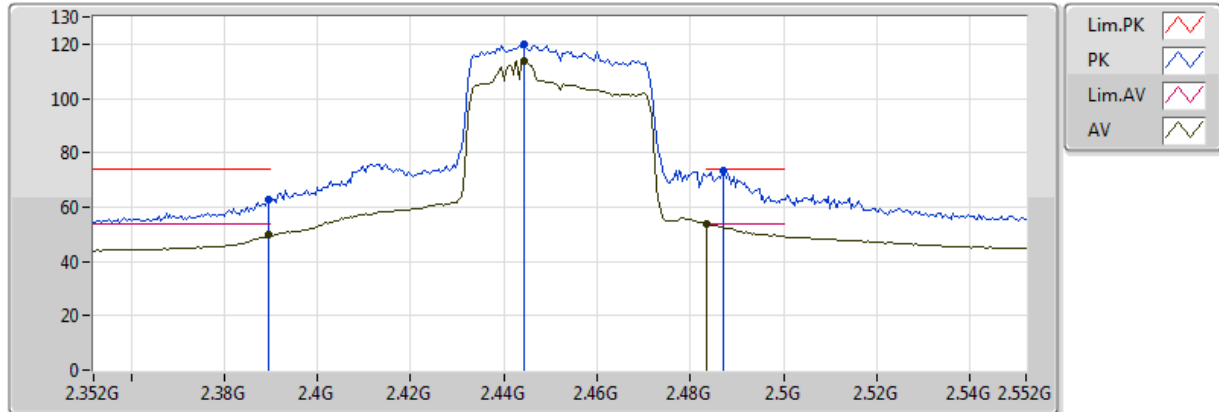
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 79  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.8738G      | 32.06             | 54.00             | -21.94         | 4.91           | 3           | Horizontal | 354            | 1.88          |  |  |  |  |  |
| PK   | 4.8716G      | 45.87             | 74.00             | -28.13         | 4.91           | 3           | Horizontal | 354            | 1.88          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2452MHz\_TX

12/02/2018



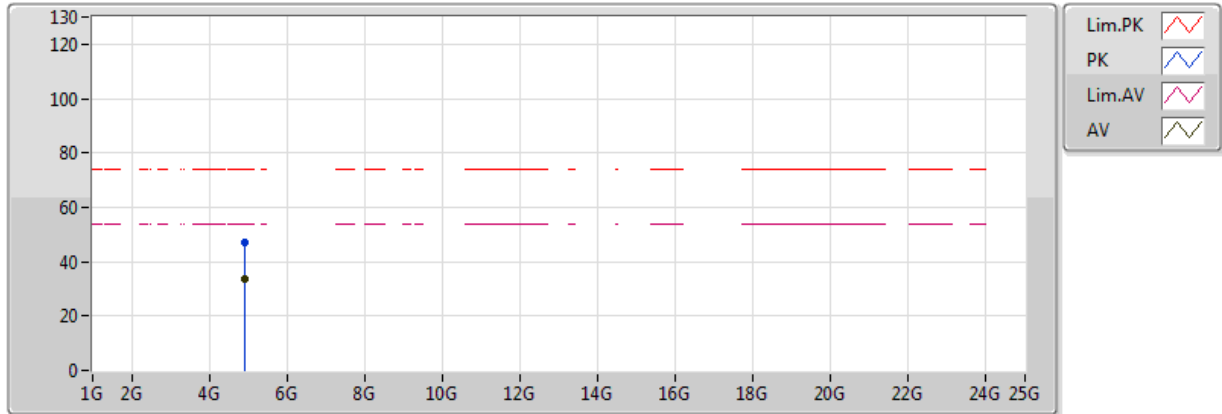
20180212  
EUT\_Z\_4\_TX\_Dipole  
Setting 77  
06-L-3  
FSP(100304)

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 2.3896G      | 49.67             | 54.00             | -4.33          | 32.12          | 3           | Vertical  | 311            | 2.06          |  |  |  |  |  |
| AV   | 2.4444G      | 113.72            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 311            | 2.06          |  |  |  |  |  |
| AV   | 2.4836G      | 53.73             | 54.00             | -0.27          | 32.42          | 3           | Vertical  | 311            | 2.06          |  |  |  |  |  |
| PK   | 2.3896G      | 62.87             | 74.00             | -11.13         | 32.12          | 3           | Vertical  | 311            | 2.06          |  |  |  |  |  |
| PK   | 2.4444G      | 119.73            | Inf               | -Inf           | 32.29          | 3           | Vertical  | 311            | 2.06          |  |  |  |  |  |
| PK   | 2.4872G      | 73.42             | 74.00             | -0.58          | 32.43          | 3           | Vertical  | 311            | 2.06          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



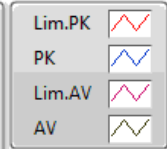
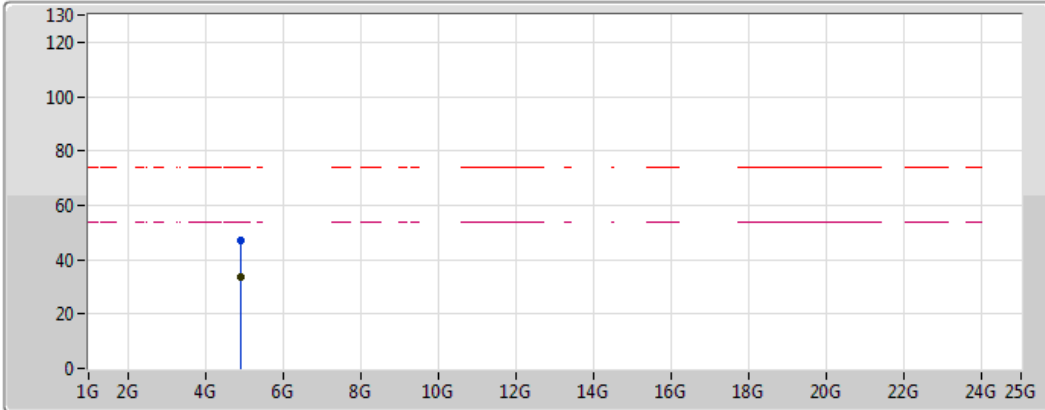
20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 77  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|--|--|--|--|--|
| AV   | 4.903G       | 33.89             | 54.00             | -20.11         | 6.90           | 3           | Vertical  | 134            | 2.07          |  |  |  |  |  |
| PK   | 4.90516G     | 47.28             | 74.00             | -26.72         | 6.90           | 3           | Vertical  | 134            | 2.07          |  |  |  |  |  |

## HE40,BF\_Nss2,(MCS0)\_4TX

## 2452MHz\_TX

23/02/2018



20180223  
EUT\_Z\_4\_TX\_Dipole  
Setting 77  
03-R-5  
FSP

| 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) |  |  |  |  |  |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|--|--|--|--|--|
| AV   | 4.9076G      | 33.90             | 54.00             | -20.10         | 6.91           | 3           | Horizontal | 224            | 1.43          |  |  |  |  |  |
| PK   | 4.913G       | 47.19             | 74.00             | -26.81         | 6.91           | 3           | Horizontal | 224            | 1.43          |  |  |  |  |  |