



# FCC RADIO TEST REPORT

**FCC ID** : 2AJUC-DBWRT01R  
**Equipment** : ZEBRA Hotspot USB 2.4G  
**Brand Name** : ZEBRA Hotspot  
**Model Name** : DBWRT01R  
**Applicant** : Habilis Net Technology Co., LTD  
6F, NO.6, Sec. 4, Xin-Yi Rd. Da-An Dist. Taipei Taiwan R.O.C  
**Manufacturer** : Shen Zhen Frelink Electronic co.,Ltd  
Third floor,building 5,no.123 shuitian industrial  
zone,yuidong road,shuitian community,shiyang  
street,baonan district,shenzhen city,guangdong province  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Nov. 23, 2018, and testing was started from Jan. 04, 2019 and completed on Jan. 14, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

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Approved by: Sam Chen

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



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### History of this test report

Report No.	Version	Description	Issued Date
FR8N1551	01	Initial issue of report	Jan. 24, 2019



### Summary of Test Result

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

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: **Sam Chen**  
Report Producer: **Cindy Peng**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

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

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

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

### 1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	N/A	N/A	PCB Antenna	N/A	2
2	2	N/A	N/A	PCB Antenna	N/A	2

Note 1: The above information was declared by manufacturer.

Note 2: The EUT has two antennas (2TX/2RX).

Port 1 and Port 2 could transmit/receive simultaneously.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.98	0.088	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11g	0.837	0.773	1.44m	1k
802.11n HT20	0.799	0.975	1.348m	1k
802.11n HT40	0.76	1.192	670u	3k

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From host system		
Beamforming Function	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Test Software Version	MT7620 V1.0.6.0		

Note: The above information was declared by manufacturer.



### 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 v05
- ◆ FCC KDB 662911 D01 v02r01

### 1.3 Testing Location Information

Testing Location		
<input type="checkbox"/>	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
<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 / 60%	Jan. 07, 2019~Jan. 09, 2019
Radiated	03CH01-CB	Stim Sung	22°C / 54%	Jan. 04, 2019~Jan. 14, 2019
AC Conduction	CO02-CB	Max Lin	22°C / 59%	Jan. 08, 2019

Test site Designation No. TW0006 with FCC.  
Test site registered number IC 4086D with Industry Canada.

### 1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74 x10 <sup>-8</sup>	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	00/02
2437MHz	00/03
2462MHz	00/04
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	00/02
2437MHz	00/03
2462MHz	00/03
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	00/03
2437MHz	00/04
2462MHz	00/05
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	00/03
2437MHz	00/04
2452MHz	00/05





## 2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emissions in Restricted Frequency Bands
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
<b>Operating Mode &lt; 1GHz</b>	CTX
The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands. EUT X axis generated the worst test result for Emissions in Restricted Frequency Bands Above 1GHz test, thus the measurement for Emissions in Restricted Frequency Bands Below 1GHz test will follow this same test configuration.	
1	EUT X axis
<b>Operating Mode &gt; 1GHz</b>	CTX
1	EUT X axis
2	EUT Y axis
3	EUT Z axis
1. Mode 1 has been evaluated to be the worst case after evaluating for harmonic test. Consequently, measurement will follow this same test mode. 2. Mode 2 has been evaluated to be the worst case after evaluating for bandedge test. Consequently, measurement will follow this same test mode.	

Note: The adapter was for measurement only, it would not be marketed.

Equipment	Brand Name	Model Name	FCC ID
Adapter	DVE	DSA-12CA-05	N/A

## 2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



## 2.4 Accessories

N/A

## 2.5 Support Equipment

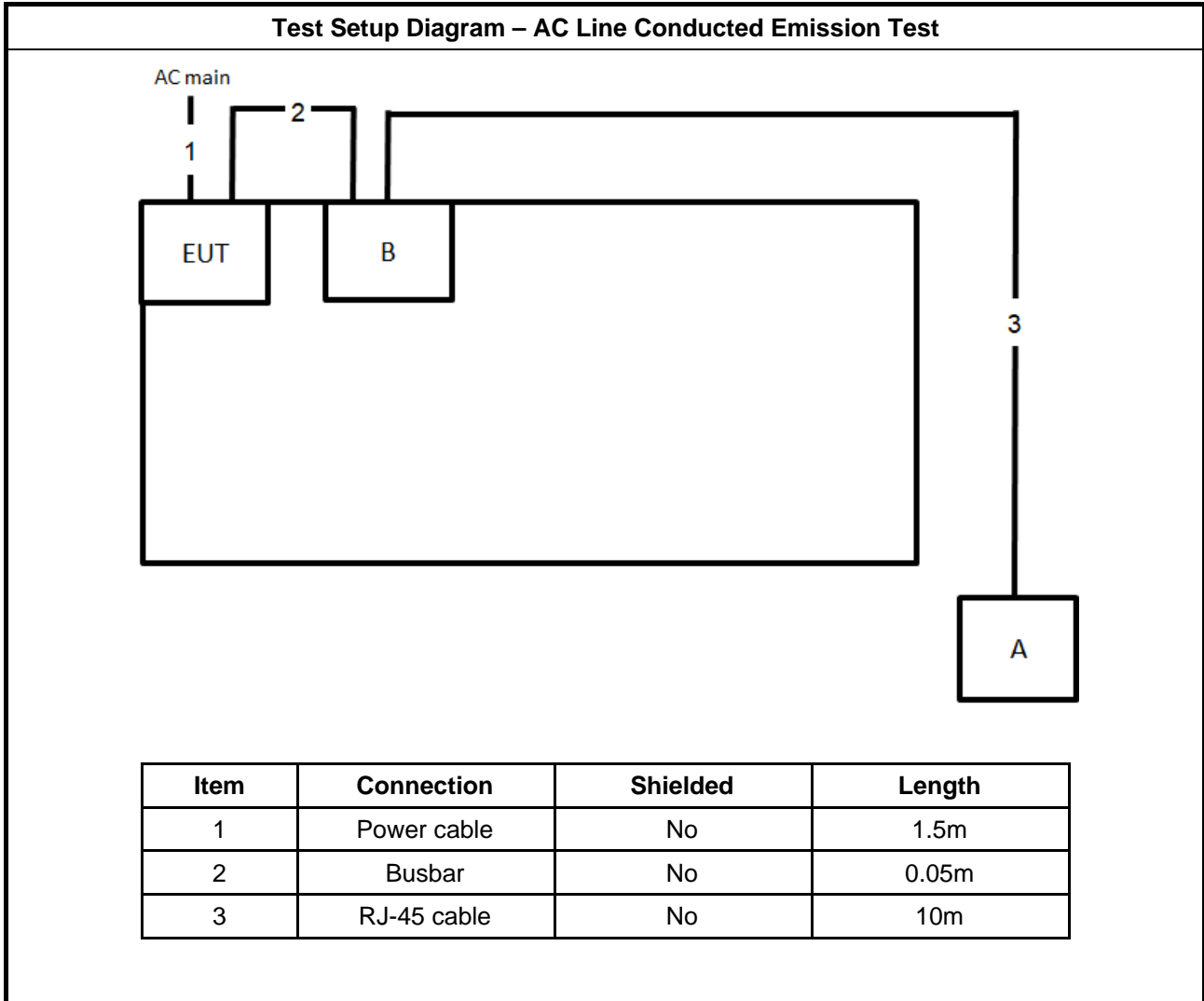
For Test Site No: CO02-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E6430	N/A
B	Test fixture	N/A	N/A	N/A
C	Adapter	DVE	DSA-12CA-05	N/A

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

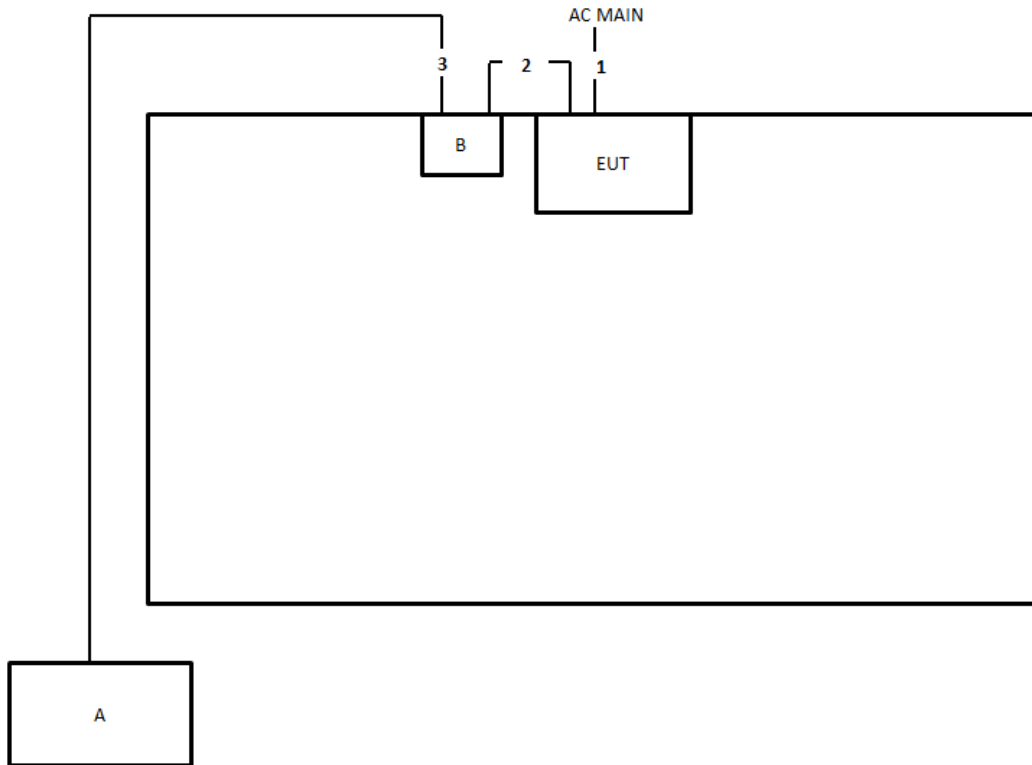
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Test fixture	N/A	N/A	N/A
C	Adapter	DVE	DSA-12CA-05	N/A

## 2.6 Test Setup Diagram



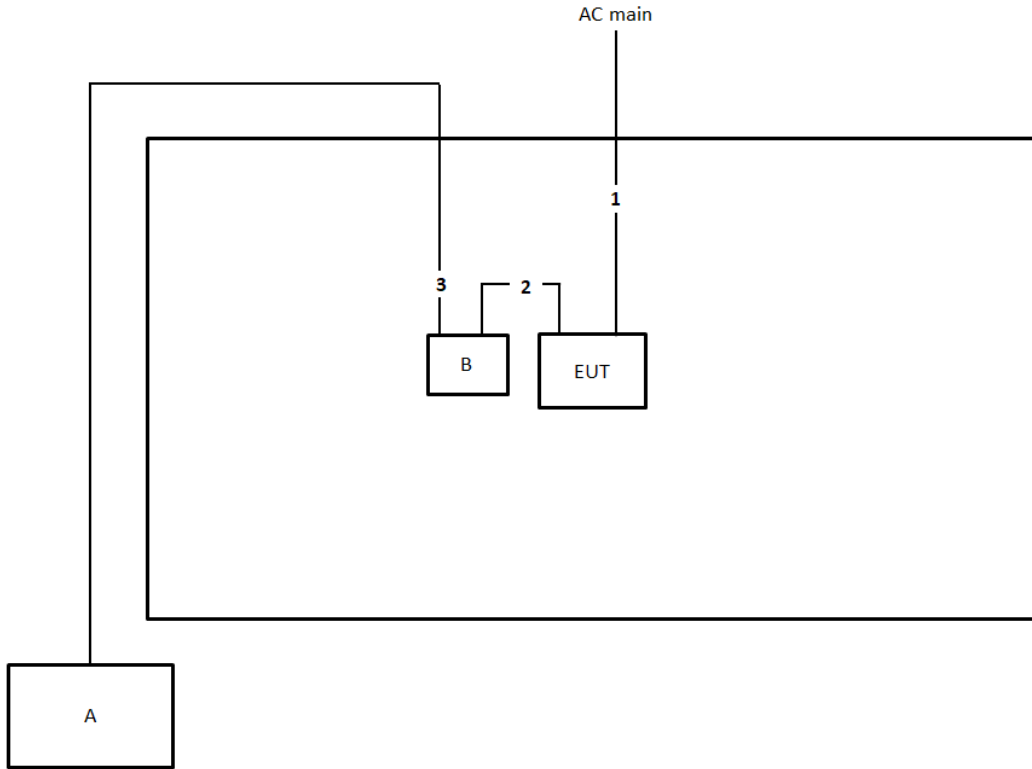


Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	Busbar	No	0.05m
3	RJ-45 cable	No	10m

**Test Setup Diagram - Radiated Test > 1GHz**



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	Busbar	No	0.05m
3	RJ-45 cable	No	10m



### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

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

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

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

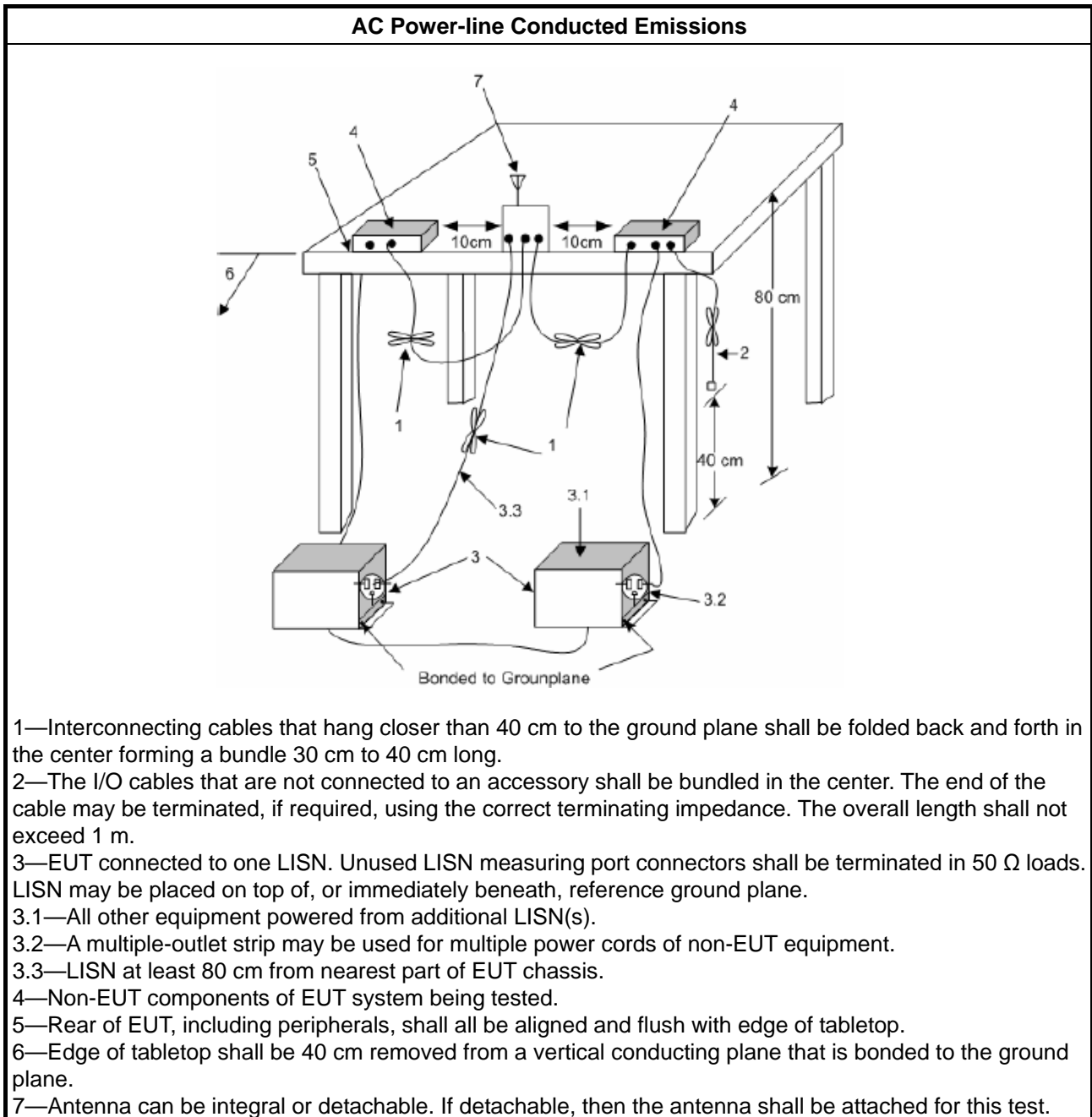
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

### 3.1.4 Test Setup



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

Refer as Appendix A

### 3.2 DTS Bandwidth

#### 3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
<b>Systems using digital modulation techniques:</b>
<ul style="list-style-type: none"> <li>▪ 6 dB bandwidth <math>\geq</math> 500 kHz.</li> </ul>

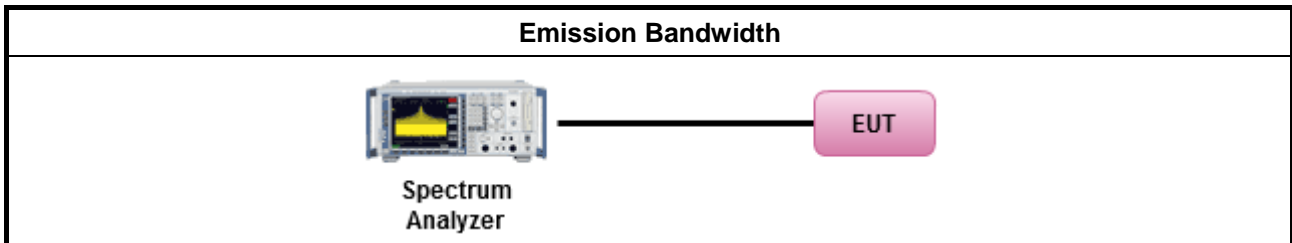
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B





### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"><li>▪ If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li></ul>
	<ul style="list-style-type: none"><li>▪ Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li></ul>
	<ul style="list-style-type: none"><li>▪ Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li></ul>
	<ul style="list-style-type: none"><li>▪ Smart antenna system (SAS):</li></ul>
	<ul style="list-style-type: none"><li>- Single beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li></ul>
	<ul style="list-style-type: none"><li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li></ul>
	<ul style="list-style-type: none"><li>- Aggregate power on all beams: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3 + 8</math> dB dBm</li></ul>
$P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi.	

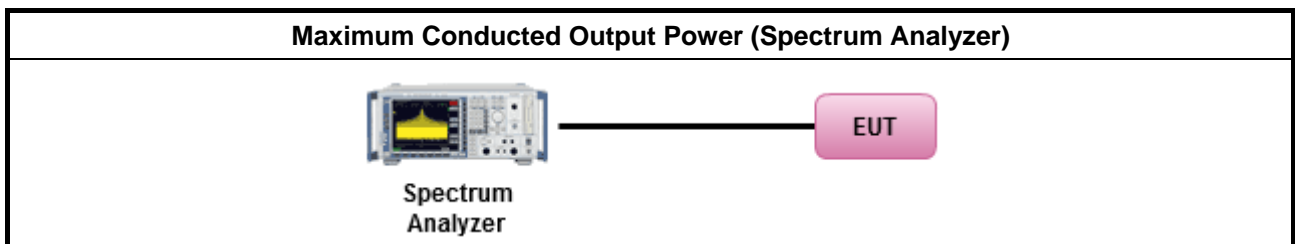
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ Maximum Peak Conducted Output Power</li> </ul>	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<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 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
<ul style="list-style-type: none"> <li>▪ For conducted measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below: 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:  <math display="block">P_{total} = P_1 + P_2 + \dots + P_n</math>                     (calculated in linear unit [mW] and transfer to log unit [dBm])  <math display="block">EIRP_{total} = P_{total} + DG</math> </li> </ul>

### 3.3.4 Test Setup





### **3.3.5 Test Result of Maximum Conducted Output Power**

Refer as Appendix C



### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

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

#### 3.4.2 Measuring Instruments

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

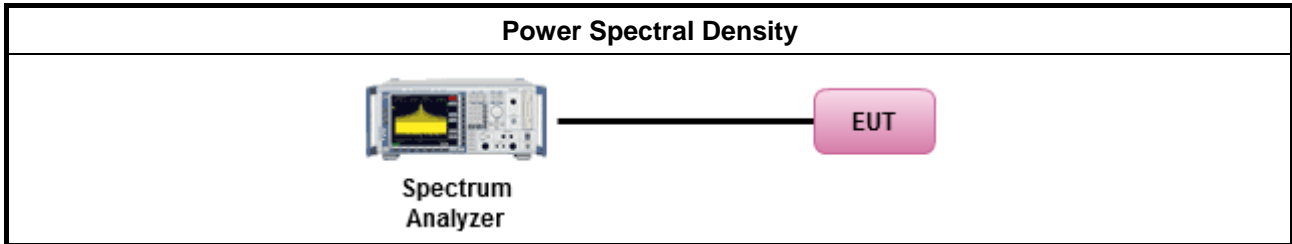
#### 3.4.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>Peak power spectral density procedures that the same method as used to determine the conducted output power. 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 8.4 & C63.10 clause 11.10.2 Method PKPSD. [duty cycle $\geq$ 98% or external video / power trigger]
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
duty cycle $<$ 98% and average over on/off periods with duty factor
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
<ul style="list-style-type: none"> <li>For conducted measurement.               <ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below:                   <ul style="list-style-type: none"> <li> <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.                   </li> <li> <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,                   </li> </ul> </li> </ul> </li> </ul>



Option 3: Measure and add  $10 \log(N)$  dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with  $10 \log(N)$ . Or each transmit chains shall be add  $10 \log(N)$  to compared with the limit.

### 3.4.4 Test Setup



### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

### 3.5 Emissions in Non-restricted Frequency Bands

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

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

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.

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.

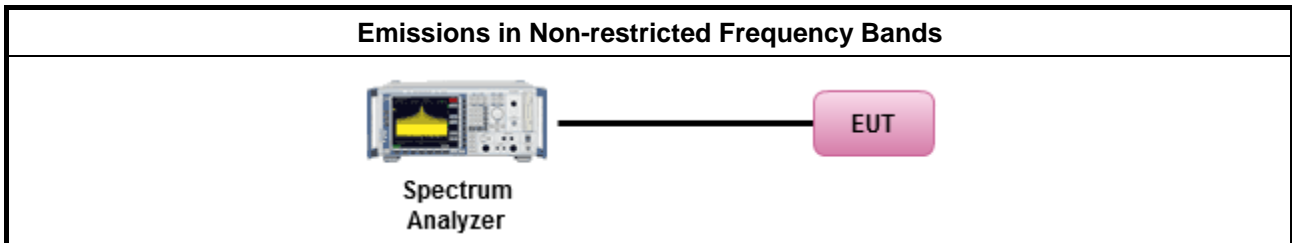
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.</li> </ul>

#### 3.5.4 Test Setup



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

Refer as Appendix E



### 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

#### 3.6.2 Measuring Instruments

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

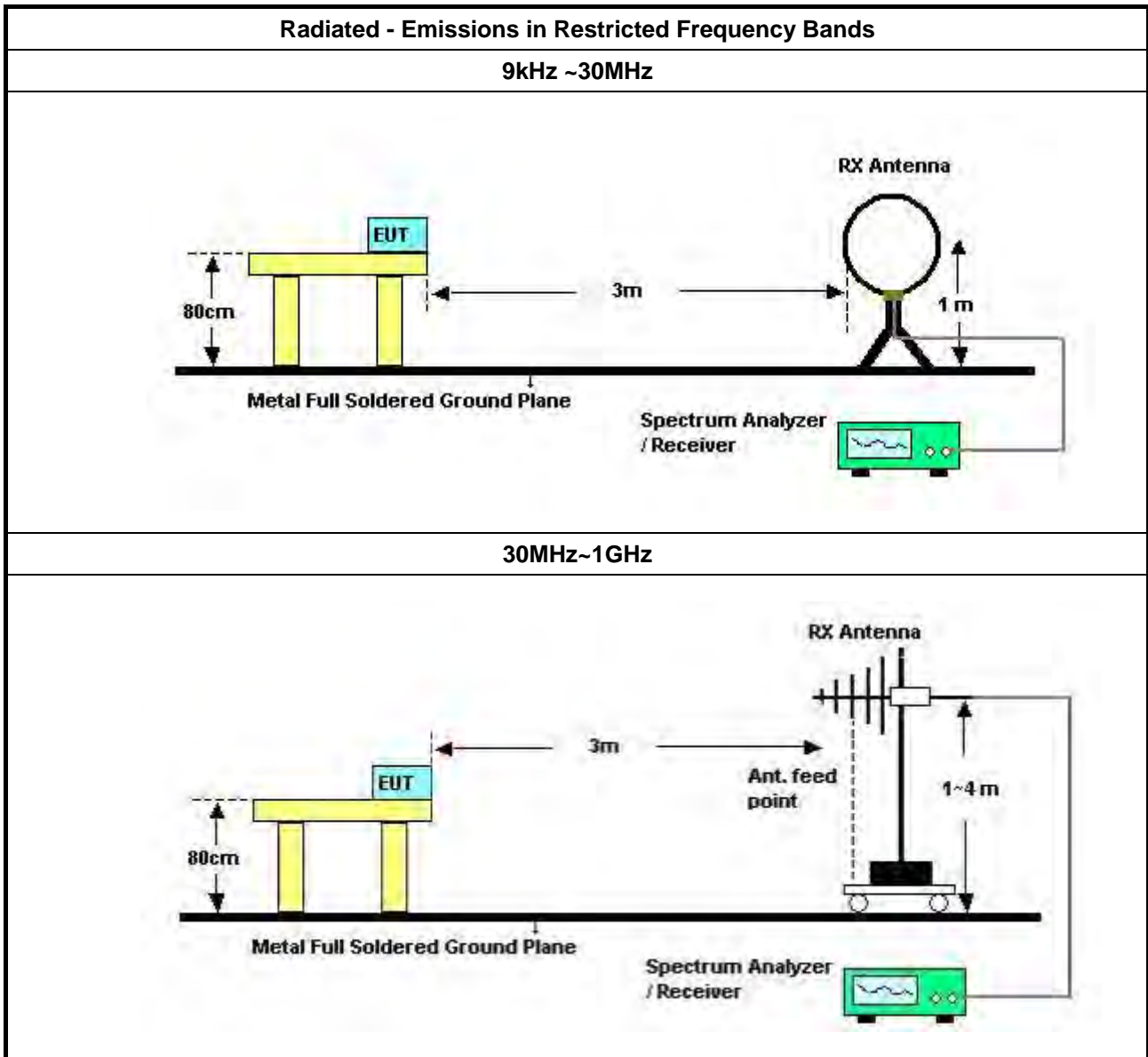


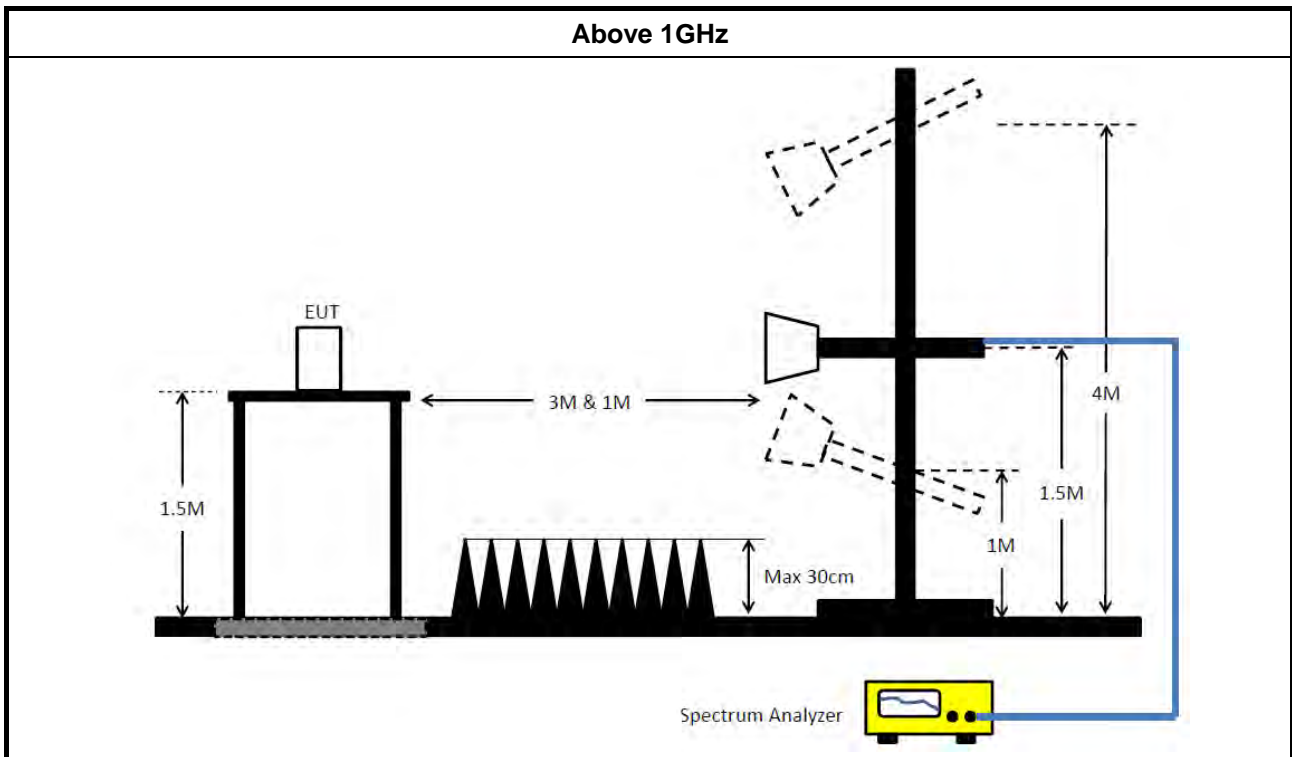
3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.</li> </ul>
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq$ 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq$ 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 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 8.7 &amp; C63.10 clause 11.13.1, 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 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.7 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 unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below:                (1) Measure and sum the spectra across the outputs or                (2) Measure and add 10 log(N) dB             </li> </ul>
	<ul style="list-style-type: none"> <li>▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.</li> </ul>



### 3.6.4 Test Setup





### 3.6.5 Emissions in Restricted Frequency Bands (Below 30MHz)

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

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

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

Refer as Appendix F



## 4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 17, 2018	Jan. 16, 2019	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA91702 52	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jun. 22, 2018	Jun. 21, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.  
N.C.R. means Non-Calibration required.

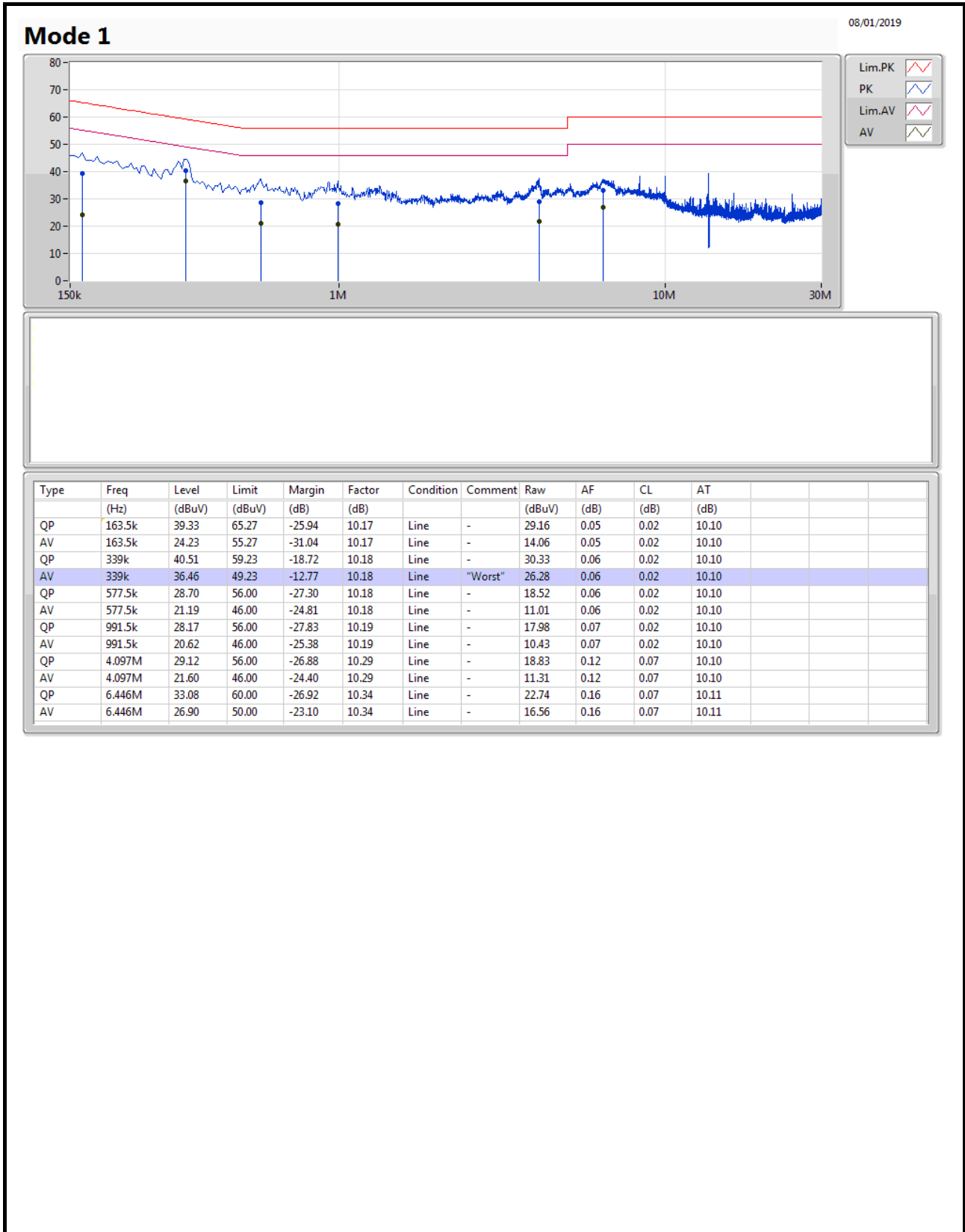


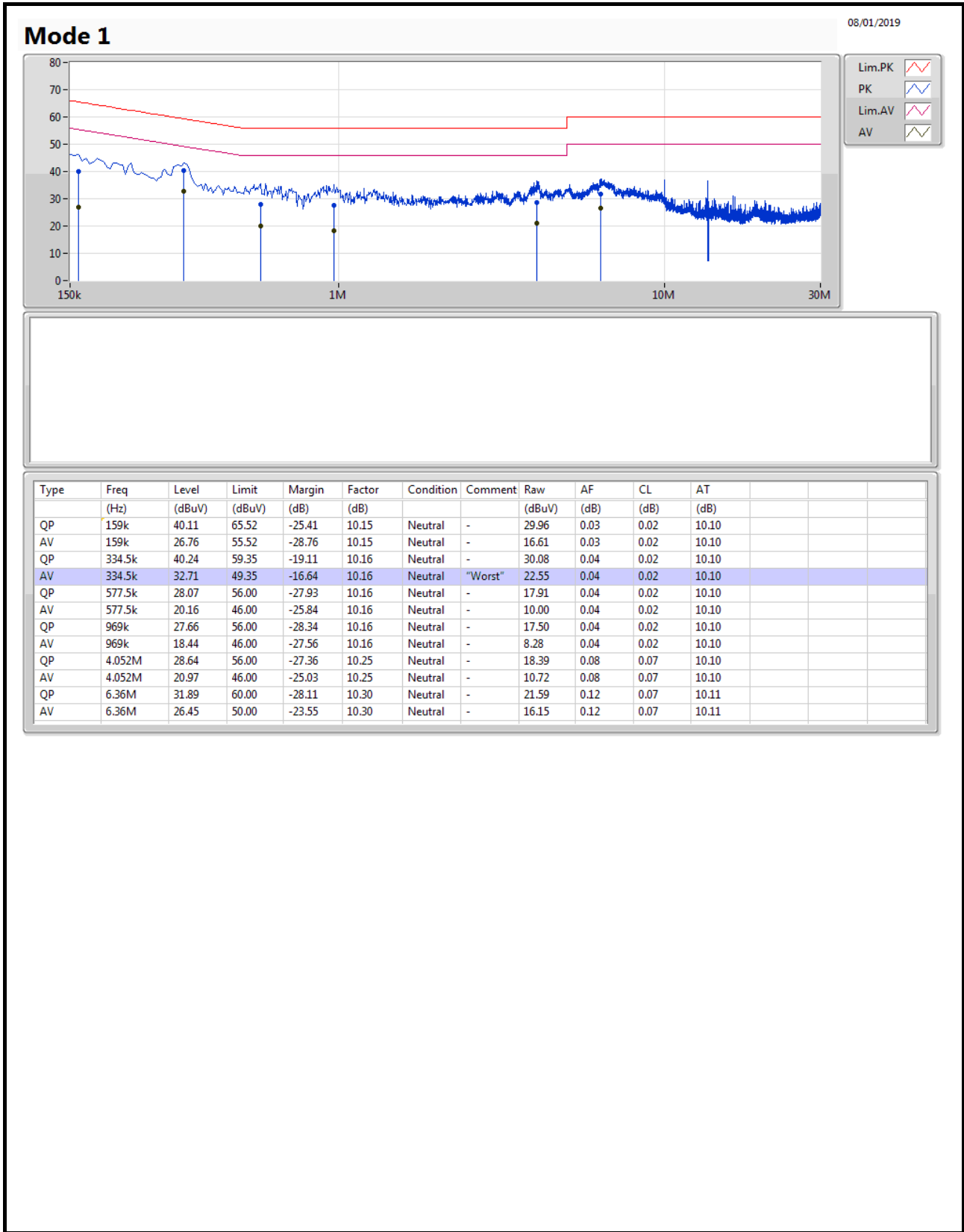
## AC Power-line Conducted Emissions Result

Appendix A

### Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	AV	339k	36.46	49.23	-12.77	10.18	Line







## EBW Result

## Appendix B

### Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	10.075M	12.269M	12M3G1D	10.05M	12.219M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.617M	16M6D1D	16.325M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	17.5M	17.641M	17M6D1D	17.075M	17.616M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.332M	36M3D1D	35.9M	36.282M

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

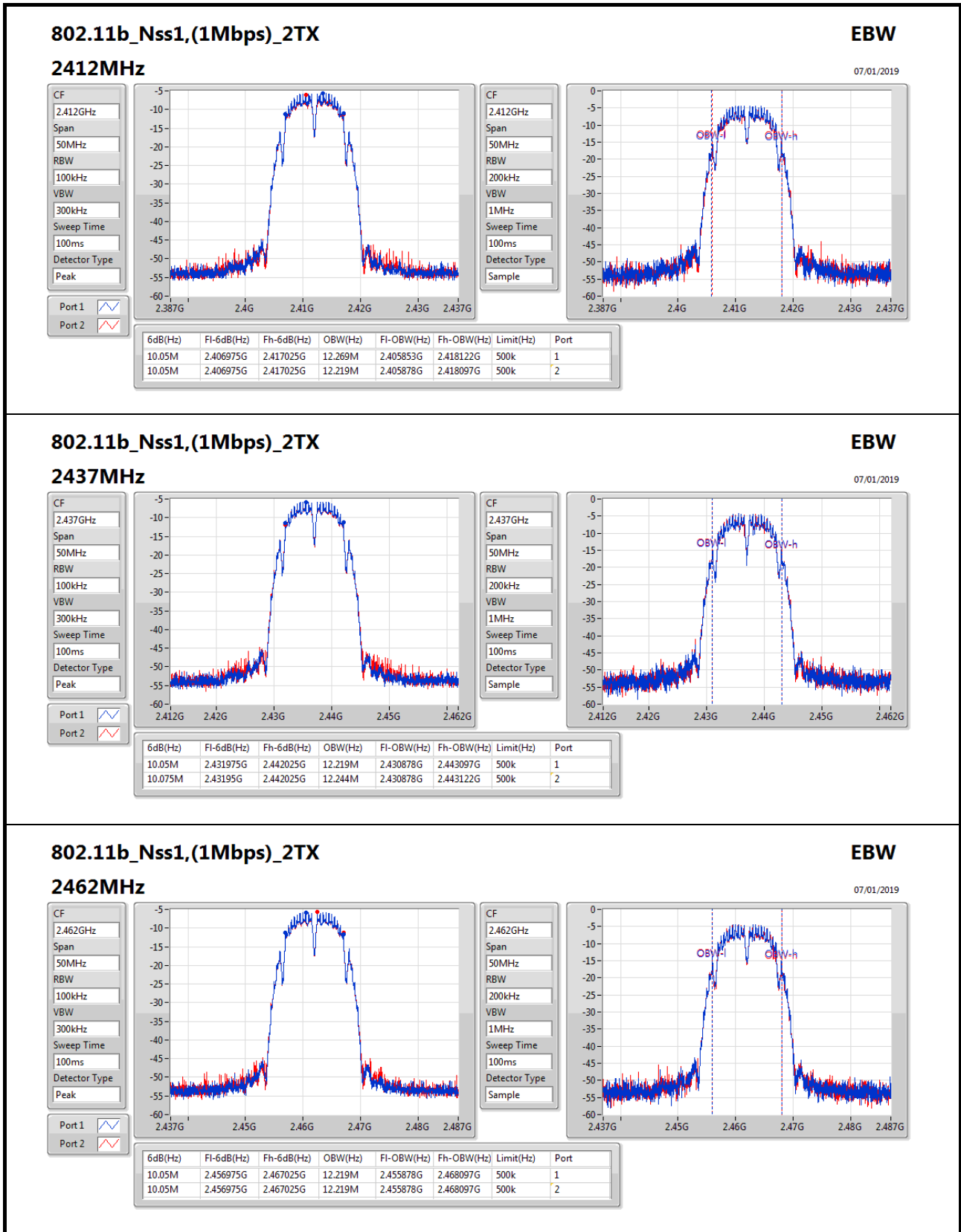
**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

### Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.05M	12.269M	10.05M	12.219M
2437MHz	Pass	500k	10.05M	12.219M	10.075M	12.244M
2462MHz	Pass	500k	10.05M	12.219M	10.05M	12.219M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.567M	16.325M	16.617M
2437MHz	Pass	500k	16.35M	16.517M	16.35M	16.567M
2462MHz	Pass	500k	16.35M	16.542M	16.35M	16.592M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.5M	17.616M	17.3M	17.641M
2437MHz	Pass	500k	17.075M	17.641M	17.075M	17.641M
2462MHz	Pass	500k	17.075M	17.641M	17.075M	17.616M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.05M	36.332M	36.05M	36.282M
2437MHz	Pass	500k	36.3M	36.282M	36.3M	36.282M
2452MHz	Pass	500k	36.3M	36.332M	35.9M	36.332M

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




**802.11b\_Nss1,(1Mbps)\_2TX**
**EBW**

07/01/2019

**2462MHz**

CF: 2.462GHz

Span: 50MHz

RBW: 100kHz

VBW: 300kHz

Sweep Time: 100ms

Detector Type: Peak

Port 1:

Port 2:

CF: 2.462GHz

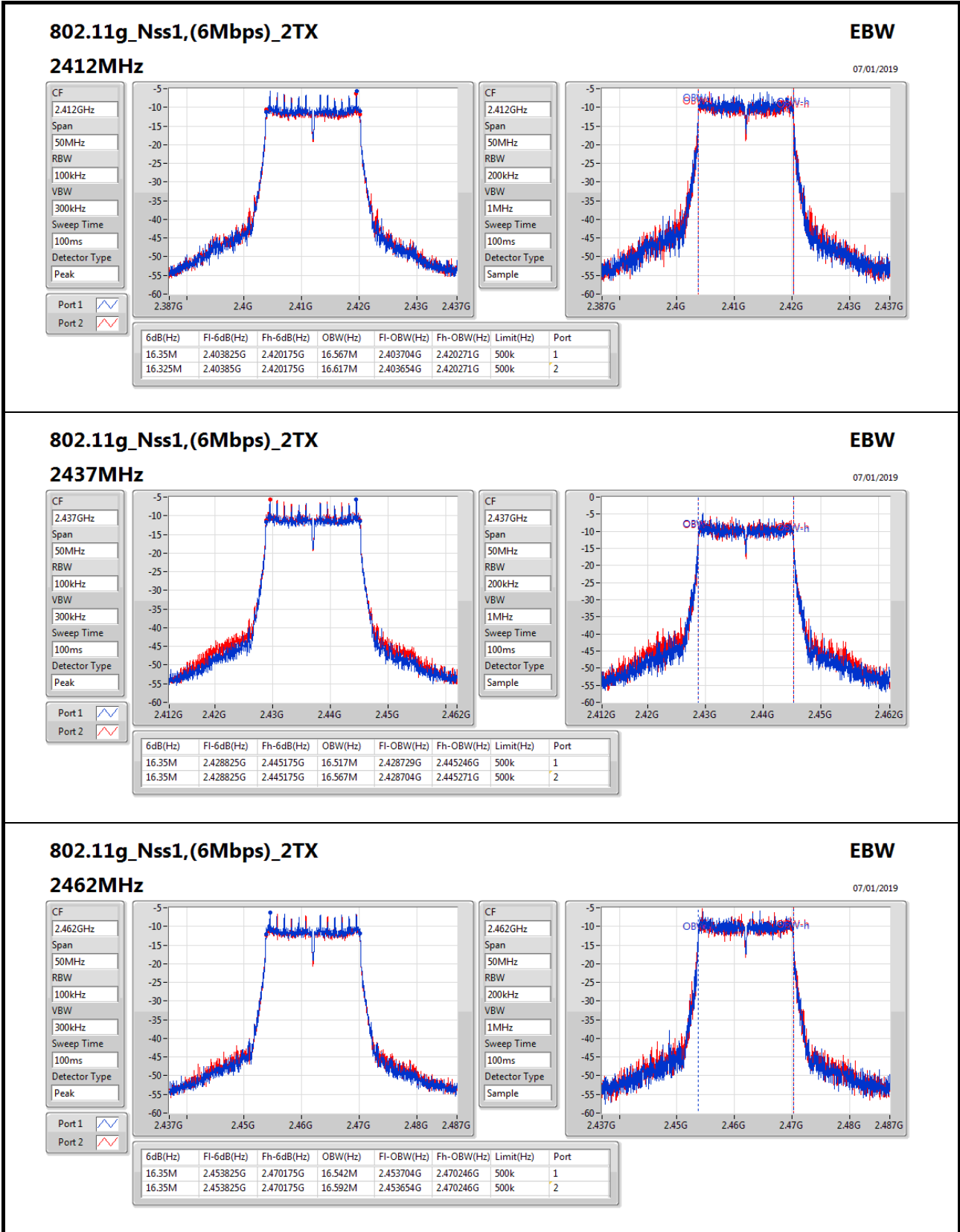
Span: 50MHz

RBW: 200kHz

VBW: 1MHz

Sweep Time: 100ms

Detector Type: Sample



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

#### 2462MHz

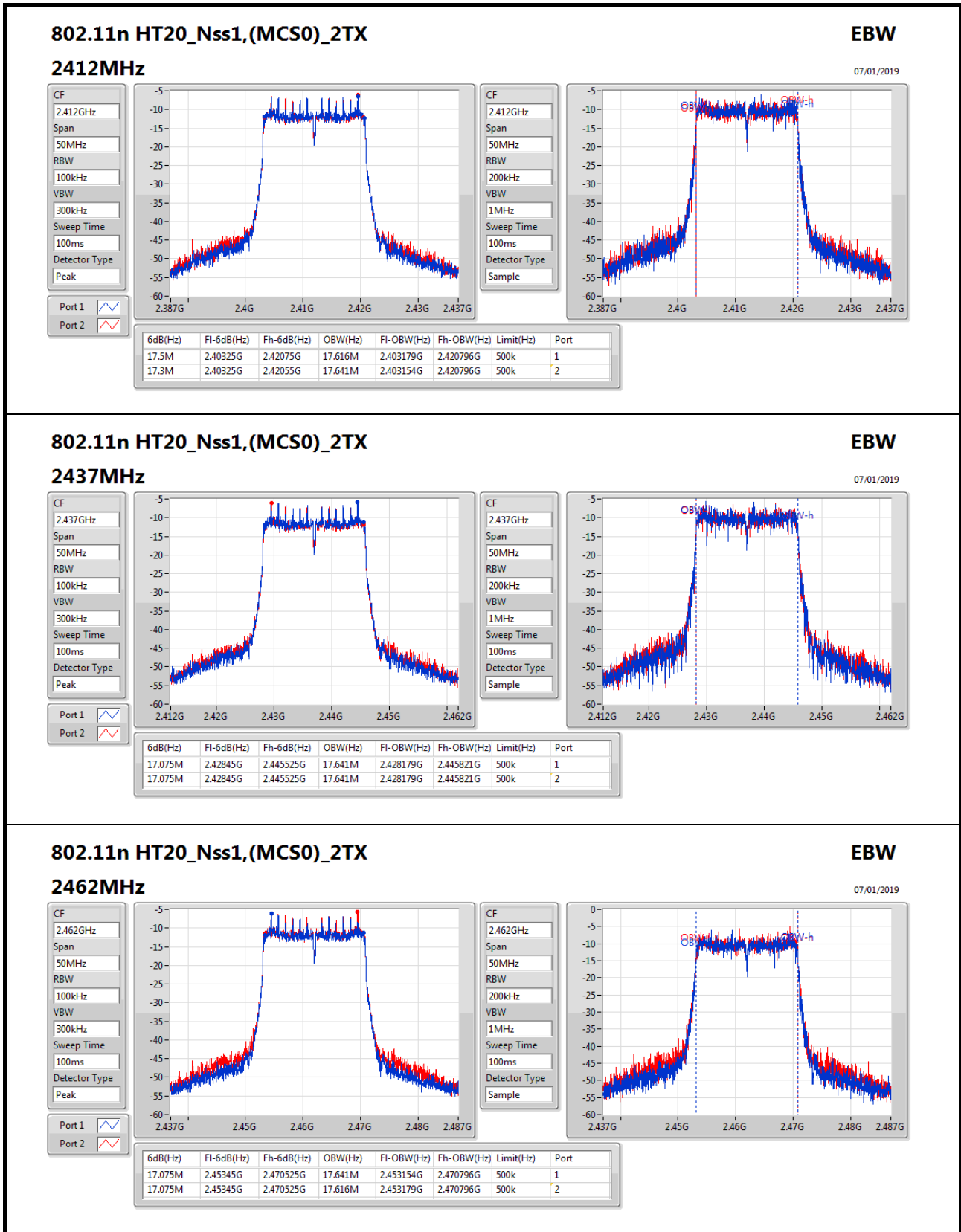
**EBW**  
07/01/2019

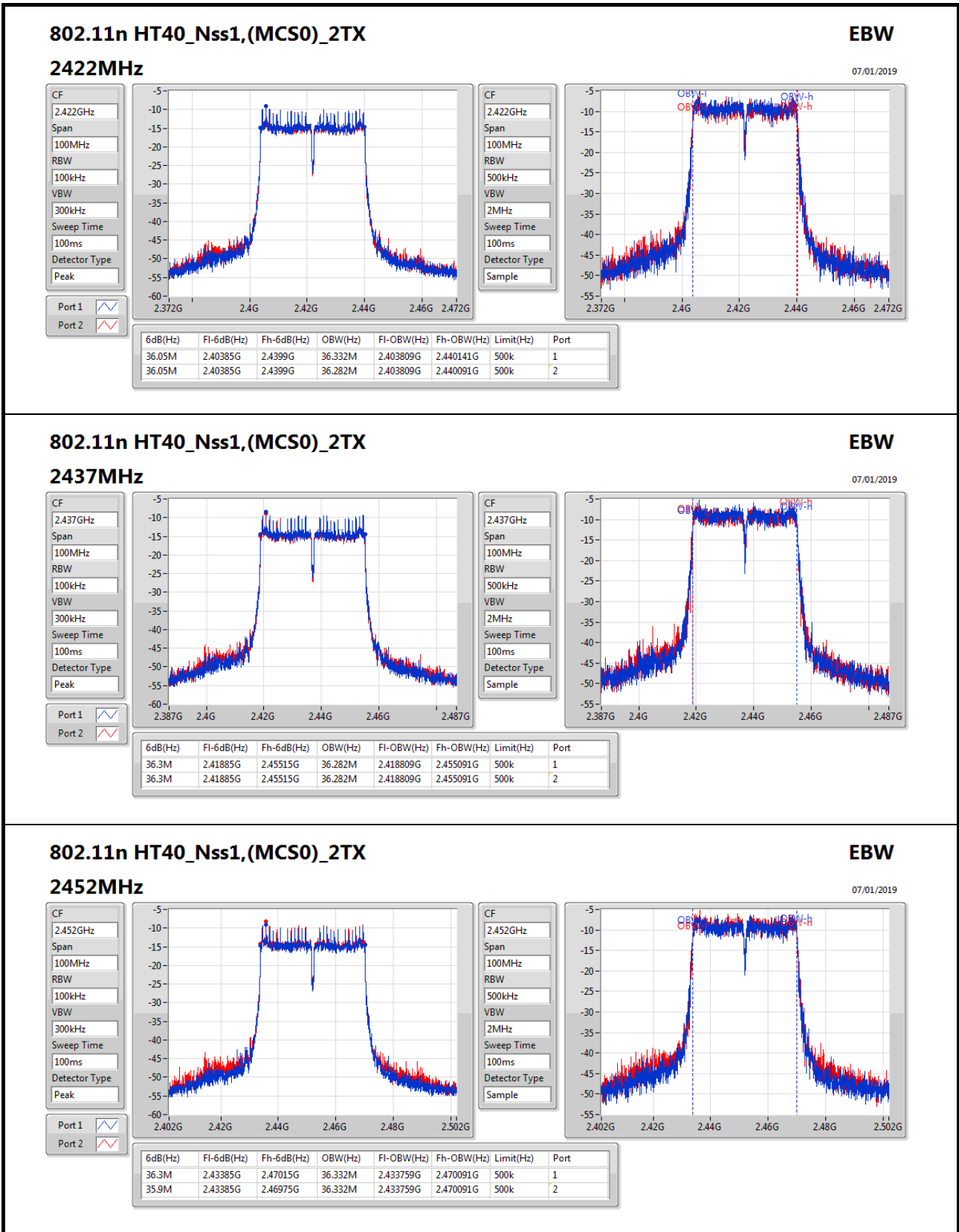
CF: 2.462GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak

Port 1:

Port 2:

CF: 2.462GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Sample







## AV Power Result

## Appendix C

### Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	7.69	0.00587
802.11g_Nss1,(6Mbps)_2TX	7.69	0.00587
802.11n HT20_Nss1,(MCS0)_2TX	7.48	0.00560
802.11n HT40_Nss1,(MCS0)_2TX	7.46	0.00557

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	4.82	4.01	7.44	30.00
2437MHz	Pass	2.00	4.78	4.11	7.47	30.00
2462MHz	Pass	2.00	4.73	4.62	7.69	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	5.05	4.24	7.67	30.00
2437MHz	Pass	2.00	5.08	4.24	7.69	30.00
2462MHz	Pass	2.00	4.76	4.02	7.42	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	4.85	4.01	7.46	30.00
2437MHz	Pass	2.00	4.56	4.38	7.48	30.00
2462MHz	Pass	2.00	4.35	4.36	7.37	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.00	4.77	4.11	7.46	30.00
2437MHz	Pass	2.00	4.56	4.25	7.42	30.00
2452MHz	Pass	2.00	4.32	4.52	7.43	30.00

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

Note : Conducted average output power is for reference only



## PSD Result

## Appendix D

### Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-18.56
802.11g_Nss1,(6Mbps)_2TX	-19.91
802.11n HT20_Nss1,(MCS0)_2TX	-19.37
802.11n HT40_Nss1,(MCS0)_2TX	-21.93

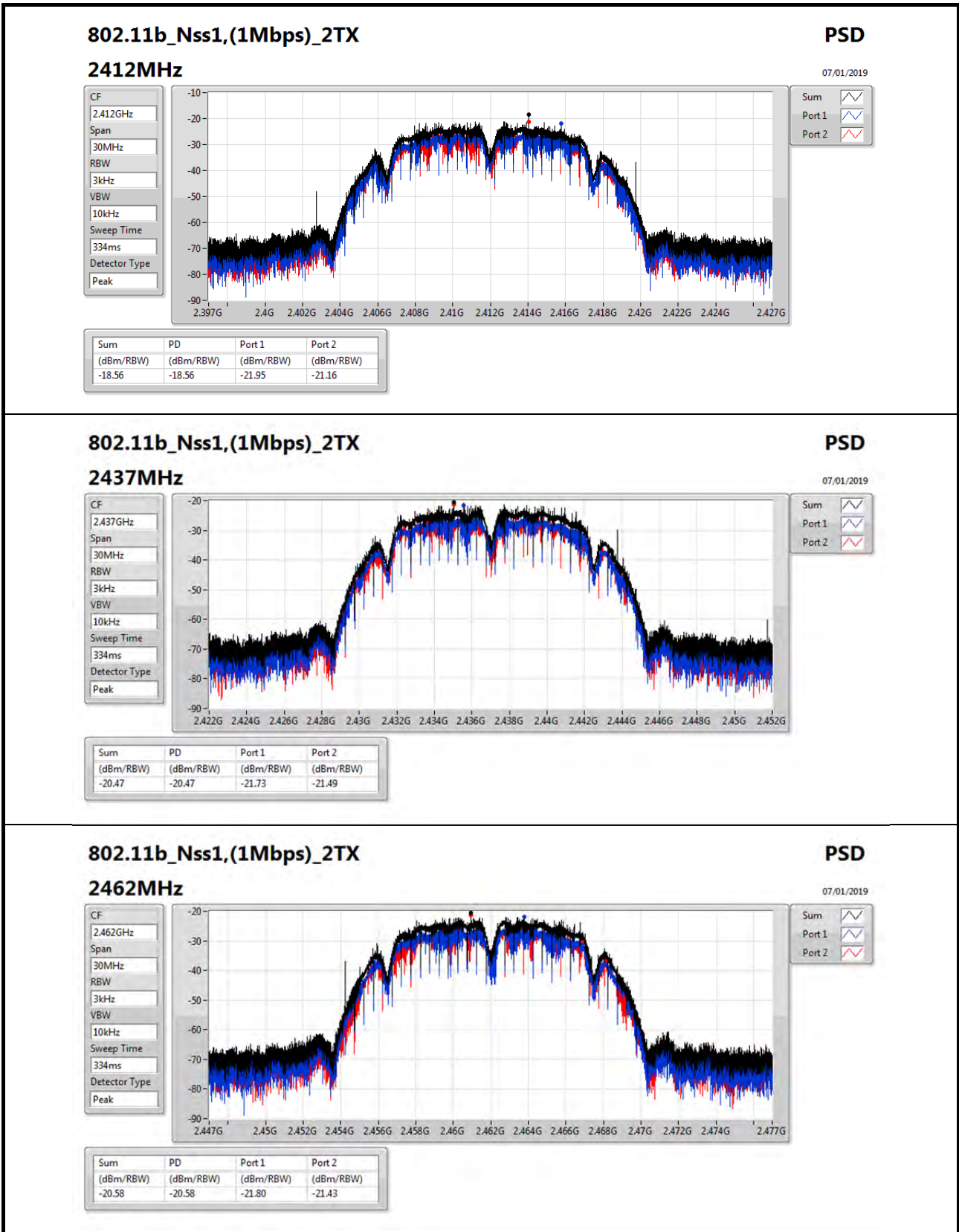
RBW=3kHz.

### Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-21.95	-21.16	-18.56	8.00
2437MHz	Pass	5.01	-21.73	-21.49	-20.47	8.00
2462MHz	Pass	5.01	-21.80	-21.43	-20.58	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-22.35	-22.83	-20.13	8.00
2437MHz	Pass	5.01	-22.60	-22.52	-19.91	8.00
2462MHz	Pass	5.01	-22.20	-22.72	-20.49	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-22.37	-22.17	-20.23	8.00
2437MHz	Pass	5.01	-20.53	-22.35	-19.46	8.00
2462MHz	Pass	5.01	-21.31	-22.04	-19.37	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.01	-24.31	-24.77	-22.50	8.00
2437MHz	Pass	5.01	-24.39	-25.60	-22.46	8.00
2452MHz	Pass	5.01	-23.56	-24.80	-21.93	8.00

DG = Directional Gain; RBW=3kHz;

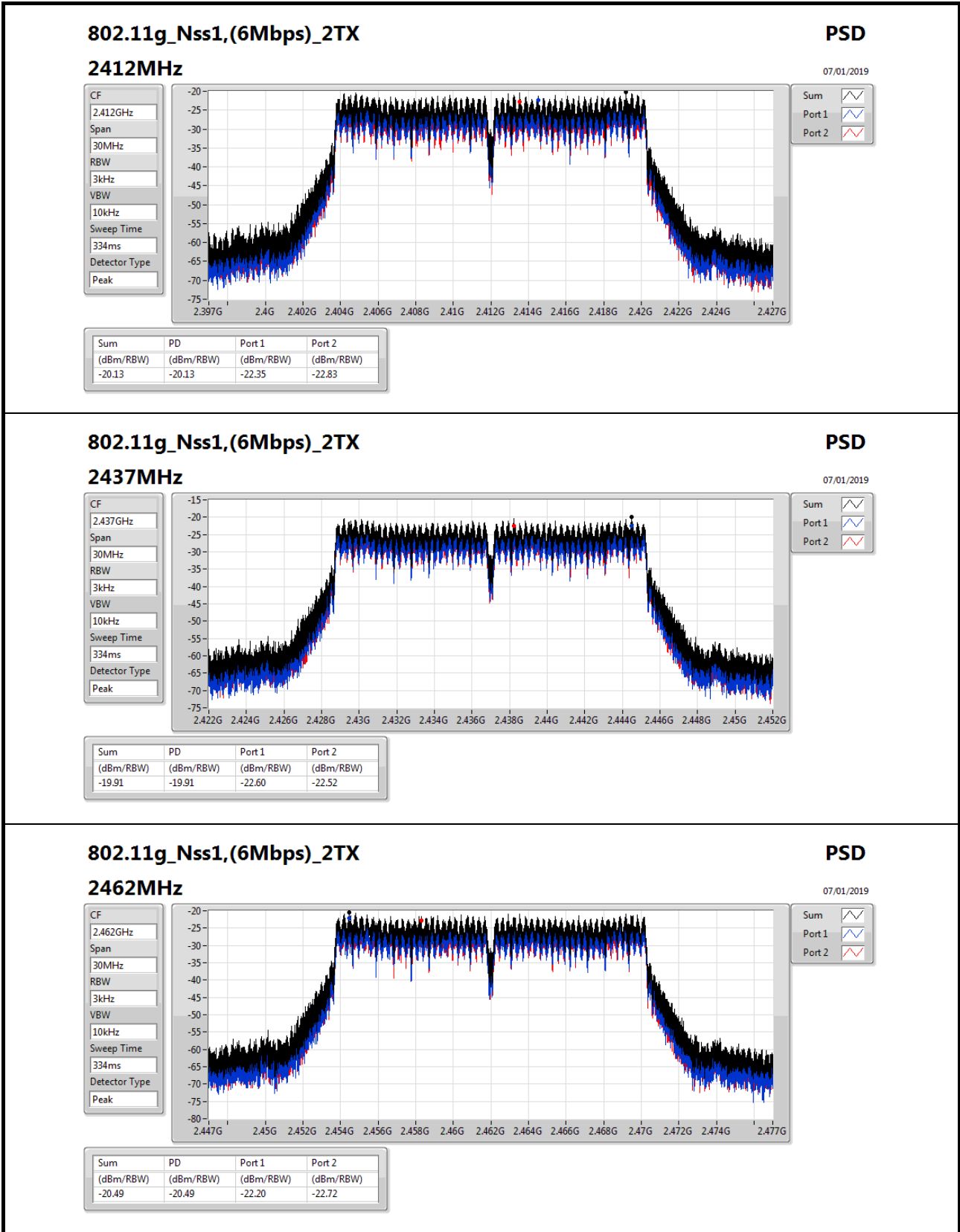
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;



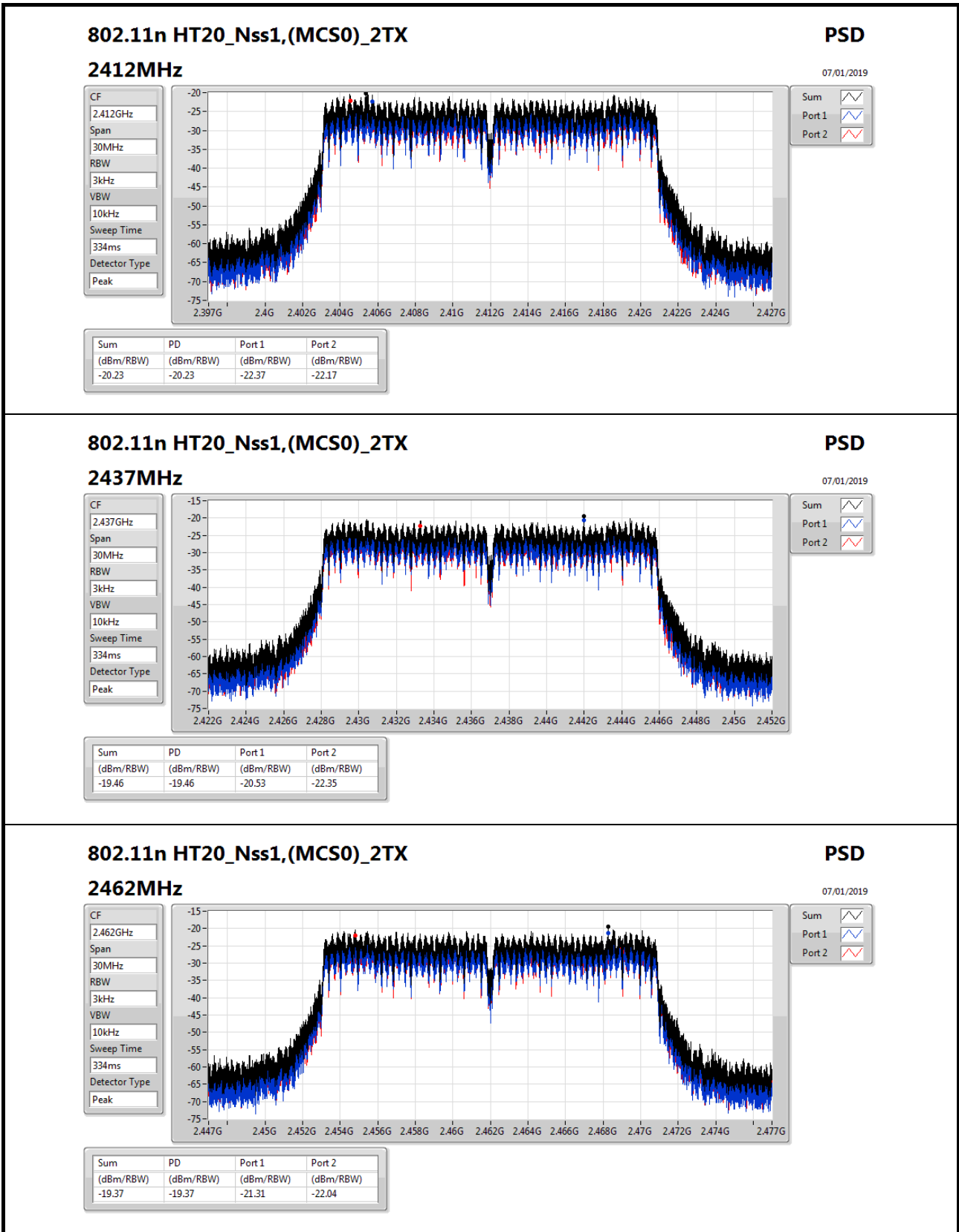


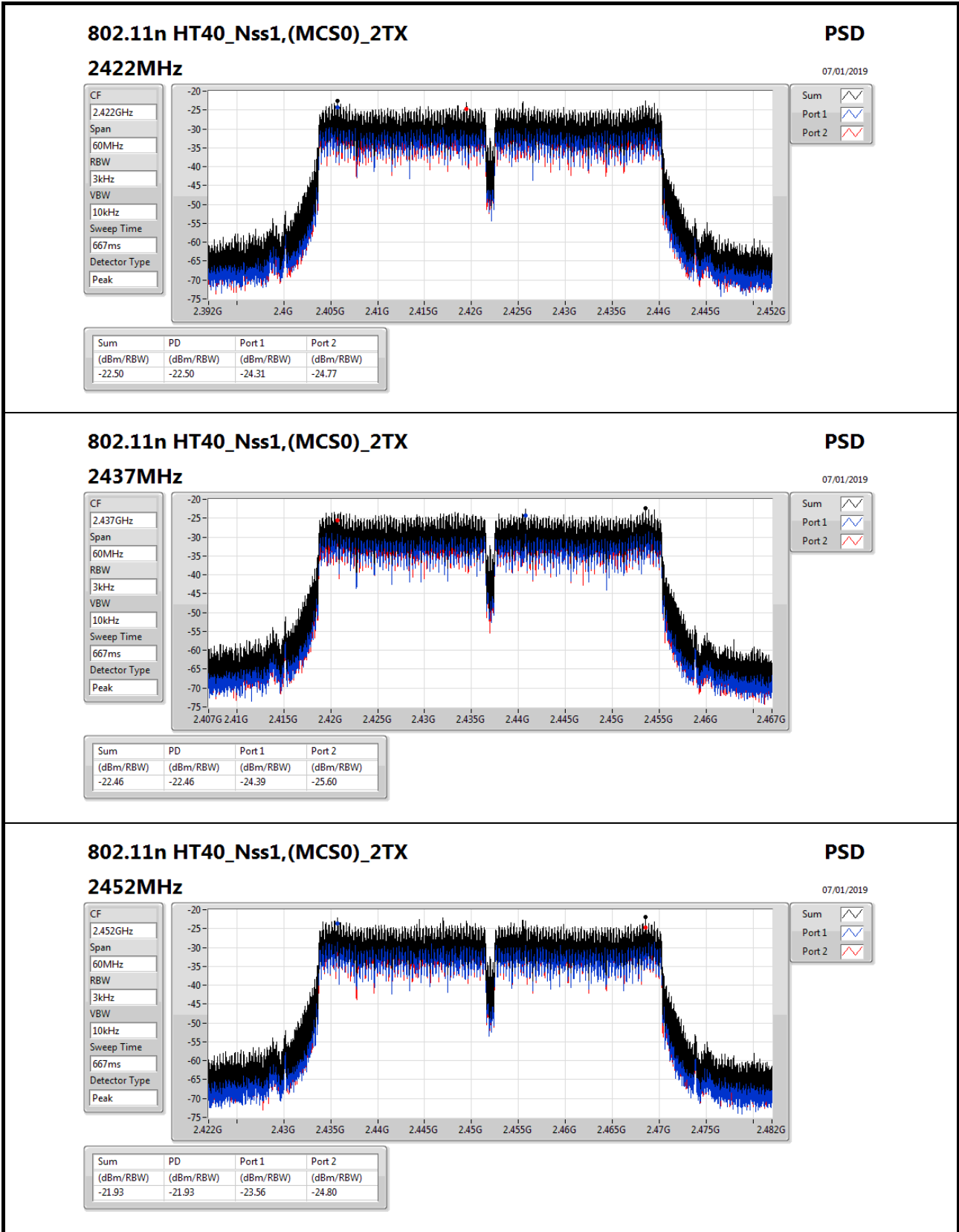
PSD Result

Appendix D











## CSE Non-restricted Band Result

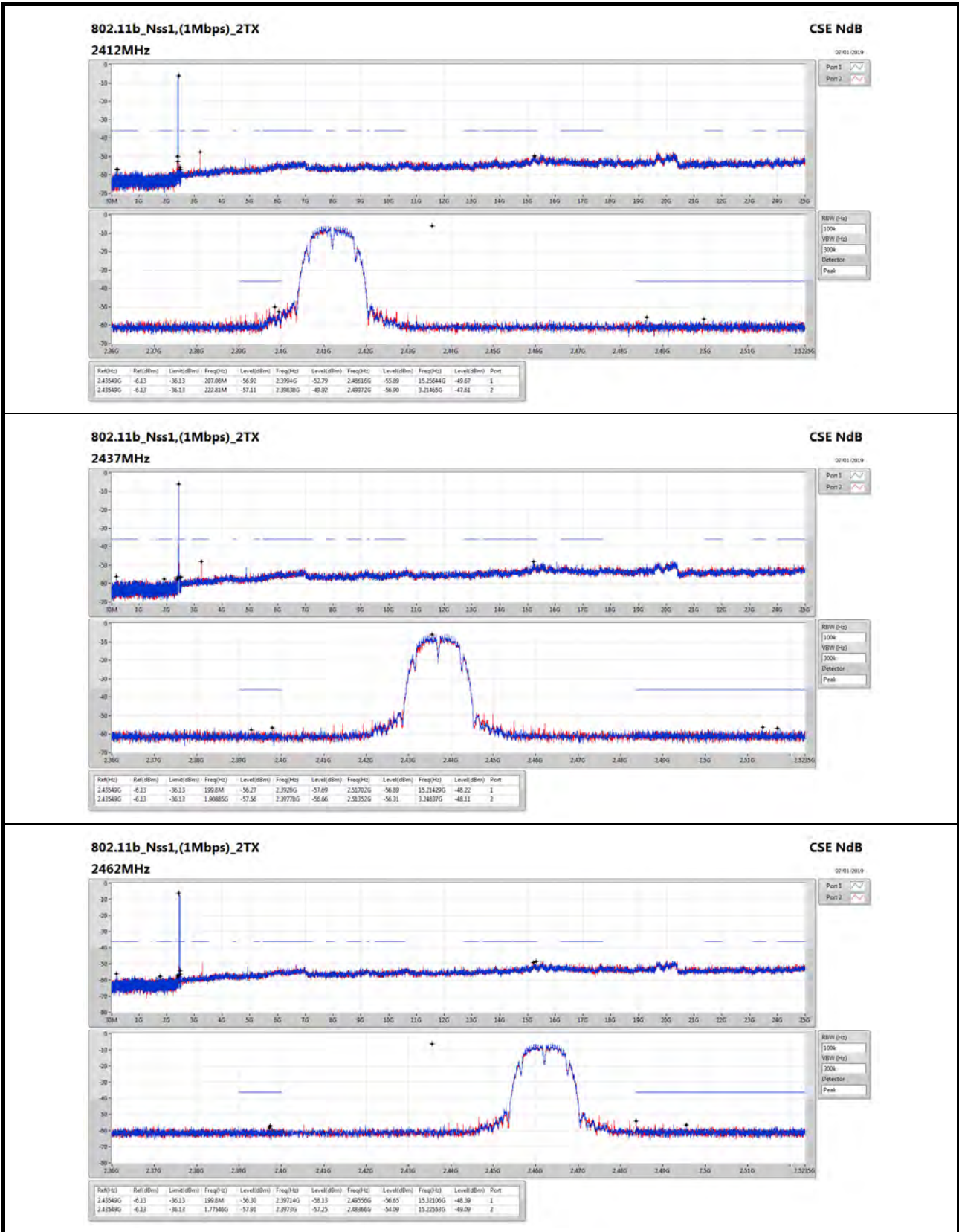
Appendix E

### Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43549G	-6.13	-36.13	222.81M	-57.11	2.39838G	-49.92	2.49972G	-56.90	3.21465G	-47.61	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44451G	-6.16	-36.16	203.88M	-56.89	2.39982G	-42.64	2.51054G	-55.67	15.23677G	-48.84	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.42943G	-8.61	-38.61	1.65751G	-57.11	2.39984G	-43.73	2.50592G	-57.11	3.21465G	-48.07	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.42075G	-13.10	-43.10	1.97736G	-58.05	2.39852G	-44.89	2.4965G	-56.36	15.23451G	-48.39	1

### Result

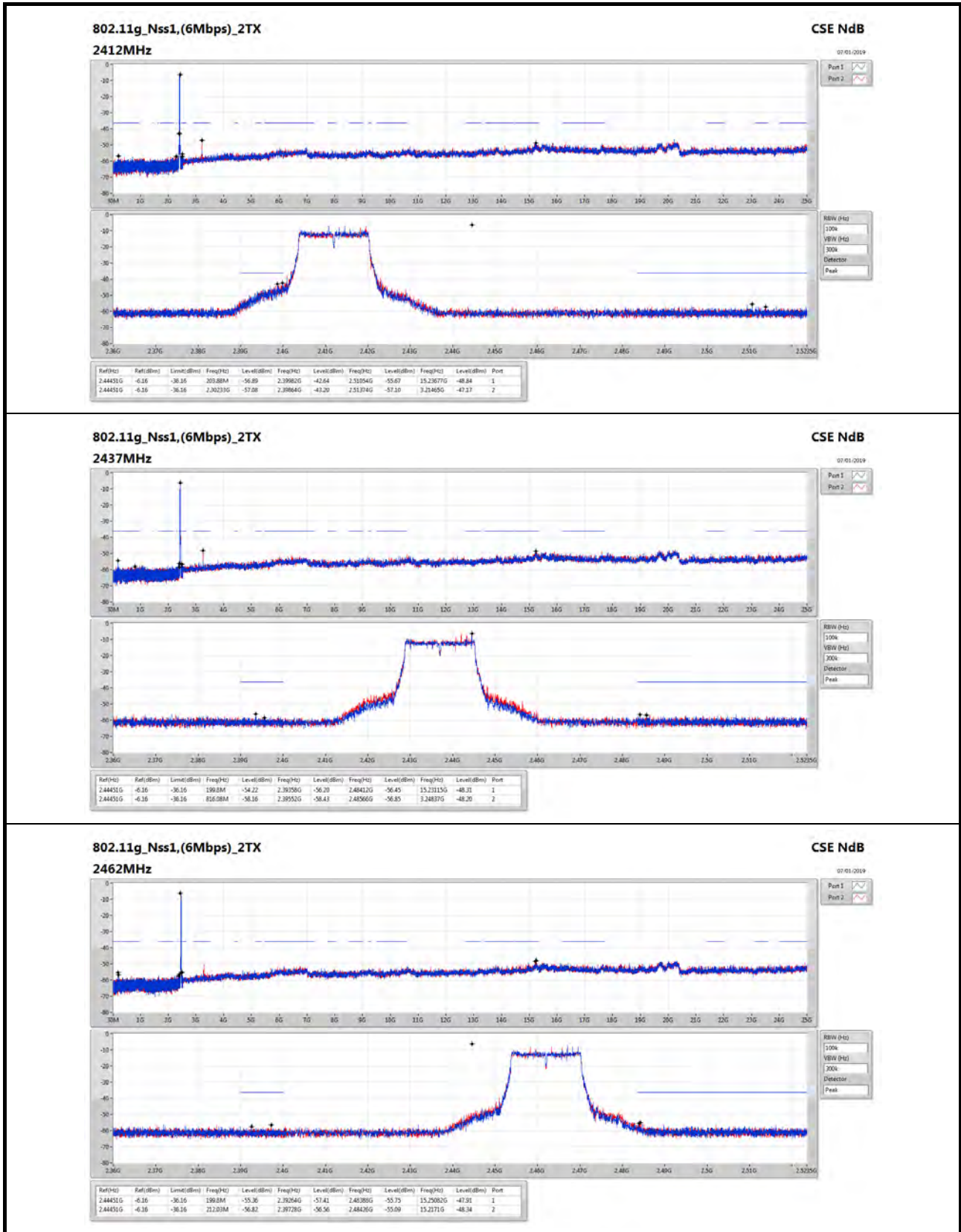
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43549G	-6.13	-36.13	207.08M	-56.92	2.3994G	-52.79	2.48616G	-55.89	15.25644G	-49.67	1
2412MHz	Pass	2.43549G	-6.13	-36.13	222.81M	-57.11	2.39838G	-49.92	2.49972G	-56.90	3.21465G	-47.61	2
2437MHz	Pass	2.43549G	-6.13	-36.13	199.8M	-56.27	2.3928G	-57.69	2.51702G	-56.89	15.21429G	-48.22	1
2437MHz	Pass	2.43549G	-6.13	-36.13	1.90885G	-57.56	2.39778G	-56.66	2.51352G	-56.31	3.24837G	-48.11	2
2462MHz	Pass	2.43549G	-6.13	-36.13	199.8M	-56.30	2.39714G	-58.13	2.49556G	-56.65	15.32106G	-48.39	1
2462MHz	Pass	2.43549G	-6.13	-36.13	1.77546G	-57.91	2.3973G	-57.25	2.48366G	-54.09	15.22553G	-49.09	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	-6.16	-36.16	203.88M	-56.89	2.39982G	-42.64	2.51054G	-55.67	15.23677G	-48.84	1
2412MHz	Pass	2.44451G	-6.16	-36.16	2.30233G	-57.08	2.39864G	-43.20	2.51374G	-57.10	3.21465G	-47.17	2
2437MHz	Pass	2.44451G	-6.16	-36.16	199.8M	-54.22	2.39358G	-56.20	2.48412G	-56.45	15.23115G	-48.31	1
2437MHz	Pass	2.44451G	-6.16	-36.16	816.08M	-58.16	2.39552G	-58.43	2.48566G	-56.85	3.24837G	-48.20	2
2462MHz	Pass	2.44451G	-6.16	-36.16	199.8M	-55.36	2.39264G	-57.41	2.48388G	-55.75	15.25082G	-47.91	1
2462MHz	Pass	2.44451G	-6.16	-36.16	212.03M	-56.82	2.39728G	-56.56	2.48426G	-55.09	15.2171G	-48.34	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.42943G	-8.61	-38.61	199.8M	-57.20	2.39982G	-45.69	2.50064G	-56.46	15.25082G	-48.73	1
2412MHz	Pass	2.42943G	-8.61	-38.61	1.65751G	-57.11	2.39984G	-43.73	2.50592G	-57.11	3.21465G	-48.07	2
2437MHz	Pass	2.42943G	-8.61	-38.61	1.63508G	-57.65	2.39228G	-56.23	2.49348G	-56.35	15.2171G	-48.81	1
2437MHz	Pass	2.42943G	-8.61	-38.61	808.8M	-56.91	2.39128G	-57.49	2.4972G	-57.19	3.24837G	-48.52	2
2462MHz	Pass	2.42943G	-8.61	-38.61	199.8M	-55.49	2.3939G	-57.81	2.48386G	-54.37	14.92772G	-48.98	1
2462MHz	Pass	2.42943G	-8.61	-38.61	207.95M	-58.06	2.39844G	-58.09	2.48362G	-52.66	15.21429G	-48.04	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42075G	-13.10	-43.10	1.97736G	-58.05	2.39852G	-44.89	2.4965G	-56.36	15.23451G	-48.39	1
2422MHz	Pass	2.42075G	-13.10	-43.10	558.99M	-58.02	2.39888G	-45.03	2.49866G	-56.40	3.22818G	-48.50	2
2437MHz	Pass	2.42075G	-13.10	-43.10	2.12678G	-57.69	2.397G	-50.78	2.48382G	-55.83	16.38438G	-49.50	1
2437MHz	Pass	2.42075G	-13.10	-43.10	2.13251G	-57.89	2.39952G	-49.96	2.48574G	-56.41	15.21769G	-47.48	2
2452MHz	Pass	2.42075G	-13.10	-43.10	1.63472G	-57.32	2.392G	-57.62	2.48822G	-52.73	15.23451G	-49.10	1
2452MHz	Pass	2.42075G	-13.10	-43.10	2.30769G	-57.08	2.39188G	-58.10	2.48358G	-50.00	3.26745G	-49.31	2





## CSE Non-restricted Band Result

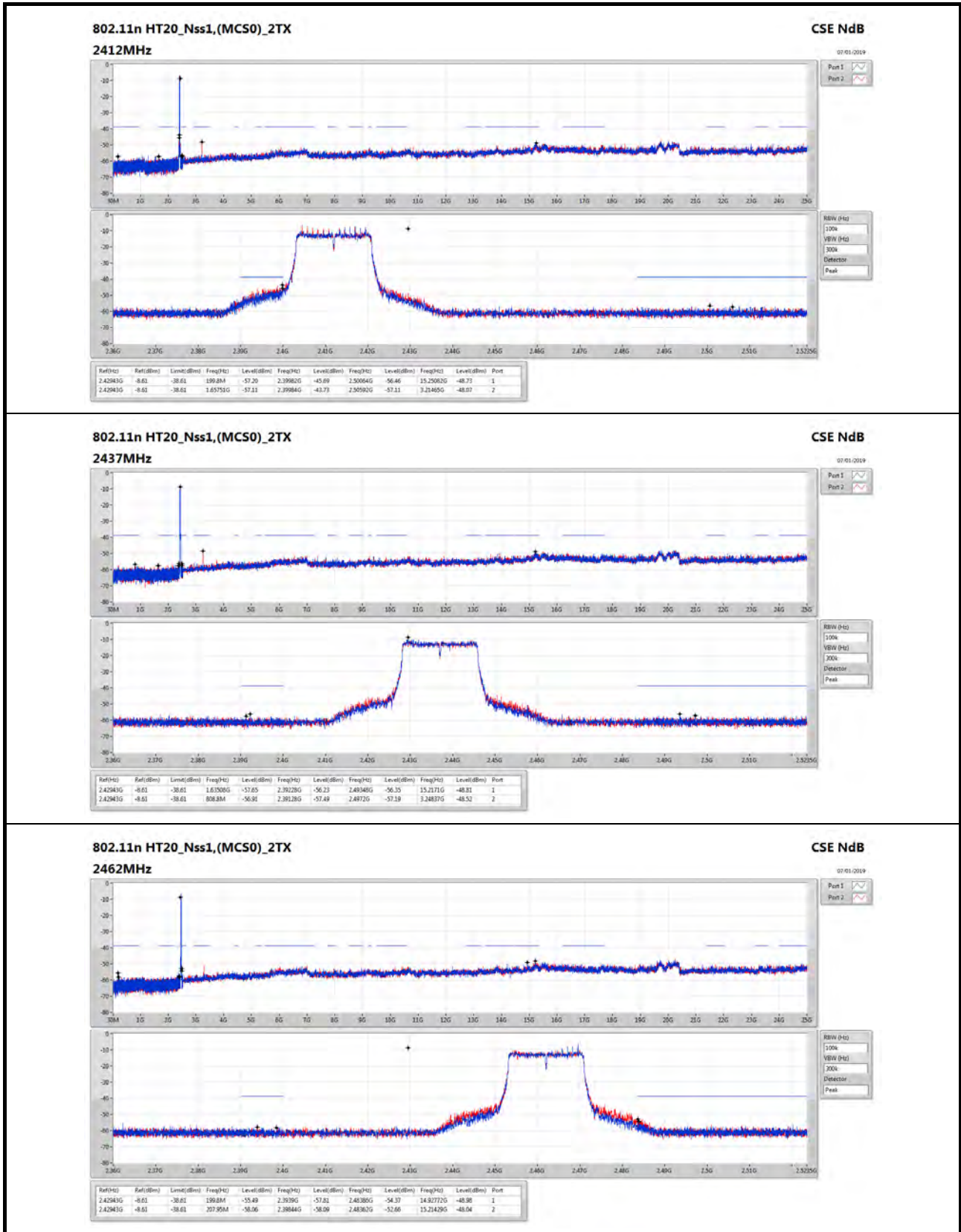
Appendix E


**802.11g\_Nss1,(6Mbps)\_2TX**
**CSE NdB**



## CSE Non-restricted Band Result

Appendix E

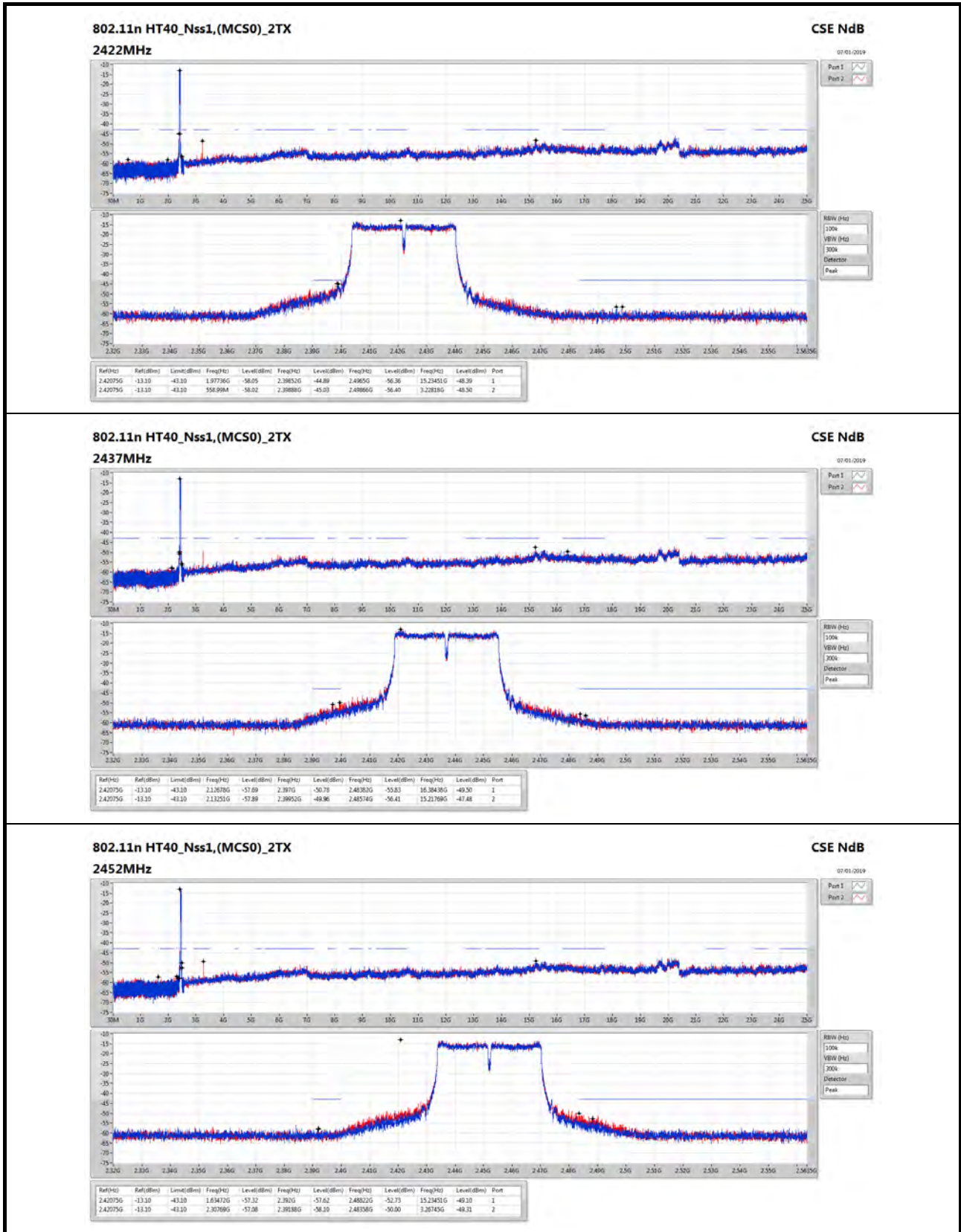


**802.11n HT20\_Nss1,(MCS0)\_2TX**

**2462MHz**

**CSE NdB**

07/01/2019





RSE below 1GHz Result																																																																																																									
Operating Mode	1	Polarization	Vertical																																																																																																						
Operating Function	CTX																																																																																																								
<p>Date: 2019-01-05 Time: 00:30:43</p>																																																																																																									
<table border="1"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Over</th> <th>Read</th> <th>CableAntenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>43.58</td> <td>35.65</td> <td>40.00</td> <td>-4.35</td> <td>48.64</td> <td>0.88</td> <td>17.82</td> <td>31.69</td> <td>150</td> <td>0</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>77.53</td> <td>36.20</td> <td>40.00</td> <td>-3.80</td> <td>53.79</td> <td>1.14</td> <td>13.13</td> <td>31.86</td> <td>150</td> <td>0</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>125.06</td> <td>43.05</td> <td>43.50</td> <td>-0.45</td> <td>54.90</td> <td>1.44</td> <td>18.60</td> <td>31.89</td> <td>103</td> <td>115</td> <td>QP</td> <td>VERTICAL</td> </tr> <tr> <td>4</td> <td>250.19</td> <td>45.76</td> <td>46.00</td> <td>-0.24</td> <td>56.80</td> <td>2.04</td> <td>18.90</td> <td>31.98</td> <td>100</td> <td>356</td> <td>QP</td> <td>VERTICAL</td> </tr> <tr> <td>5</td> <td>375.32</td> <td>41.38</td> <td>46.00</td> <td>-4.62</td> <td>49.10</td> <td>2.51</td> <td>21.88</td> <td>32.11</td> <td>150</td> <td>0</td> <td>Peak</td> <td>VERTICAL</td> </tr> <tr> <td>6</td> <td>747.80</td> <td>40.64</td> <td>46.00</td> <td>-5.36</td> <td>43.37</td> <td>3.63</td> <td>26.17</td> <td>32.53</td> <td>150</td> <td>0</td> <td>Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>					Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		1	43.58	35.65	40.00	-4.35	48.64	0.88	17.82	31.69	150	0	Peak	VERTICAL	2	77.53	36.20	40.00	-3.80	53.79	1.14	13.13	31.86	150	0	Peak	VERTICAL	3	125.06	43.05	43.50	-0.45	54.90	1.44	18.60	31.89	103	115	QP	VERTICAL	4	250.19	45.76	46.00	-0.24	56.80	2.04	18.90	31.98	100	356	QP	VERTICAL	5	375.32	41.38	46.00	-4.62	49.10	2.51	21.88	32.11	150	0	Peak	VERTICAL	6	747.80	40.64	46.00	-5.36	43.37	3.63	26.17	32.53	150	0	Peak	VERTICAL
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase																																																																																														
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2	77.53	36.20	40.00	-3.80	53.79	1.14	13.13	31.86	150	0	Peak	VERTICAL																																																																																													
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5	375.32	41.38	46.00	-4.62	49.10	2.51	21.88	32.11	150	0	Peak	VERTICAL																																																																																													
6	747.80	40.64	46.00	-5.36	43.37	3.63	26.17	32.53	150	0	Peak	VERTICAL																																																																																													
<p>Note 1: "&gt;20dB" means emission levels that exceed the level of 20 dB below the applicable limit.            Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)</p>																																																																																																									





RSE below 1GHz Result																																																																																																									
Operating Mode	1	Polarization	Horizontal																																																																																																						
Operating Function	CTX																																																																																																								
<p style="text-align: right; font-size: small;">Date: 2019-01-05 Time: 00:28:31</p>																																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Over</th> <th>Read</th> <th>CableAntenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>125.06</td> <td>39.93</td> <td>43.50</td> <td>-3.57</td> <td>51.78</td> <td>1.44</td> <td>18.60</td> <td>31.89</td> <td>100</td> <td>360</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>250.19</td> <td>45.94</td> <td>46.00</td> <td>-0.06</td> <td>56.98</td> <td>2.04</td> <td>18.90</td> <td>31.98</td> <td>112</td> <td>169</td> <td>QP</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>375.32</td> <td>40.03</td> <td>46.00</td> <td>-5.97</td> <td>47.75</td> <td>2.51</td> <td>21.88</td> <td>32.11</td> <td>100</td> <td>360</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>500.45</td> <td>40.18</td> <td>46.00</td> <td>-5.82</td> <td>45.67</td> <td>2.94</td> <td>23.83</td> <td>32.26</td> <td>100</td> <td>360</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>5</td> <td>572.23</td> <td>39.74</td> <td>46.00</td> <td>-6.26</td> <td>44.18</td> <td>3.20</td> <td>24.74</td> <td>32.38</td> <td>100</td> <td>360</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>6</td> <td>664.38</td> <td>37.75</td> <td>46.00</td> <td>-8.25</td> <td>41.37</td> <td>3.31</td> <td>25.53</td> <td>32.46</td> <td>100</td> <td>360</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>					Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		1	125.06	39.93	43.50	-3.57	51.78	1.44	18.60	31.89	100	360	Peak	HORIZONTAL	2	250.19	45.94	46.00	-0.06	56.98	2.04	18.90	31.98	112	169	QP	HORIZONTAL	3	375.32	40.03	46.00	-5.97	47.75	2.51	21.88	32.11	100	360	Peak	HORIZONTAL	4	500.45	40.18	46.00	-5.82	45.67	2.94	23.83	32.26	100	360	Peak	HORIZONTAL	5	572.23	39.74	46.00	-6.26	44.18	3.20	24.74	32.38	100	360	Peak	HORIZONTAL	6	664.38	37.75	46.00	-8.25	41.37	3.31	25.53	32.46	100	360	Peak	HORIZONTAL
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase																																																																																														
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2	250.19	45.94	46.00	-0.06	56.98	2.04	18.90	31.98	112	169	QP	HORIZONTAL																																																																																													
3	375.32	40.03	46.00	-5.97	47.75	2.51	21.88	32.11	100	360	Peak	HORIZONTAL																																																																																													
4	500.45	40.18	46.00	-5.82	45.67	2.94	23.83	32.26	100	360	Peak	HORIZONTAL																																																																																													
5	572.23	39.74	46.00	-6.26	44.18	3.20	24.74	32.38	100	360	Peak	HORIZONTAL																																																																																													
6	664.38	37.75	46.00	-8.25	41.37	3.31	25.53	32.46	100	360	Peak	HORIZONTAL																																																																																													
<p>Note 1: "&gt;20dB" means emission levels that exceed the level of 20 dB below the applicable limit.            Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)</p>																																																																																																									



## RSE TX above 1GHz Result

Appendix F.2

### Summary

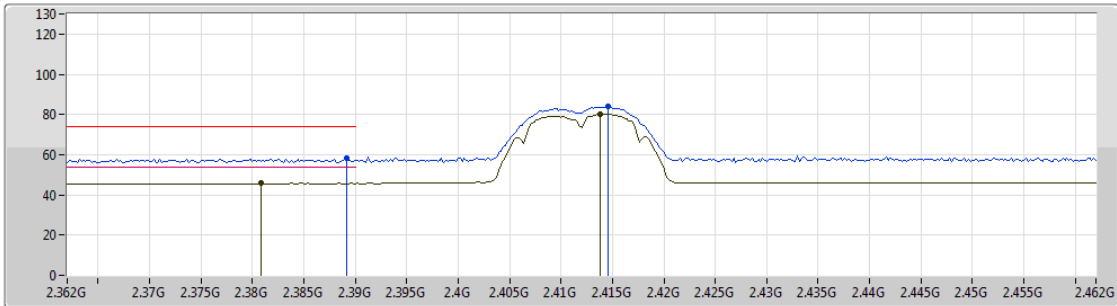
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.97	54.00	-0.03	30.80	3	Vertical	63	1.43	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2412MHz\_TX



EUT Y\_2TX  
Setting 08/0B  
01-W-3  
FSU

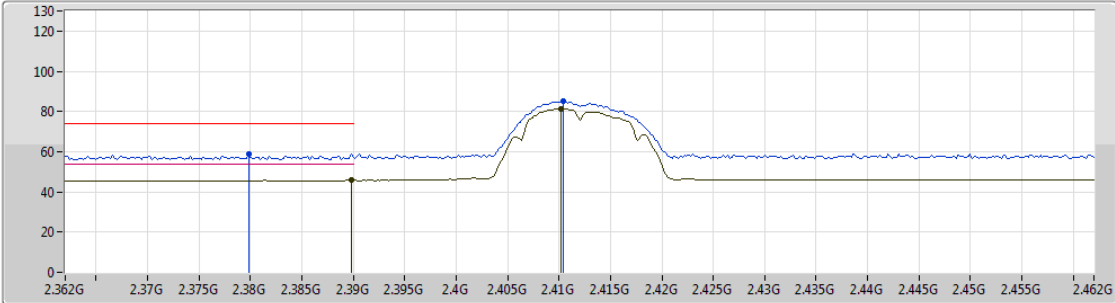
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3892G	58.25	74.00	-15.75	30.80	3	Vertical	147	1.50	-
AV	2.3808G	45.72	54.00	-8.28	30.76	3	Vertical	147	1.50	-
PK	2.4146G	84.01	Inf	-Inf	30.86	3	Vertical	147	1.50	-
AV	2.4138G	80.15	Inf	-Inf	30.86	3	Vertical	147	1.50	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2412MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV

EUT Y\_2TX  
 Setting 08/0B  
 01-W-3  
 FSU

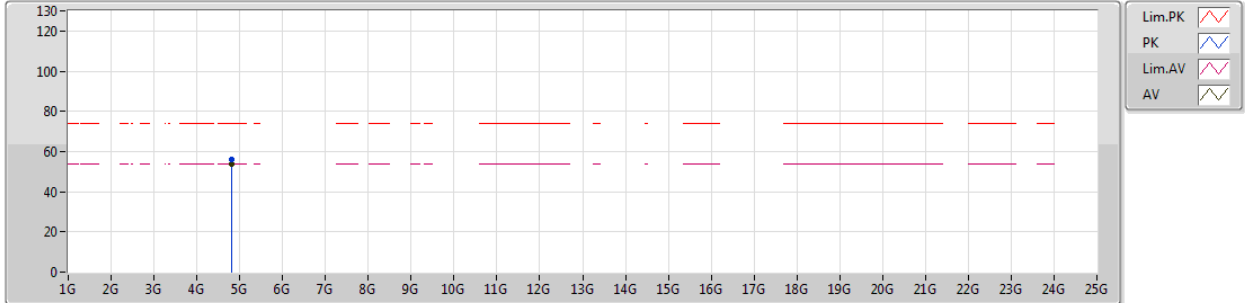
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3798G	59.00	74.00	-15.00	30.76	3	Horizontal	137	1.10	-
AV	2.3898G	45.72	54.00	-8.28	30.80	3	Horizontal	137	1.10	-
PK	2.4104G	84.94	Inf	-Inf	30.86	3	Horizontal	137	1.10	-
AV	2.4102G	81.37	Inf	-Inf	30.86	3	Horizontal	137	1.10	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2412MHz\_TX



EUT\_X\_2TX  
Setting 08/0B  
01-5-5  
FSU

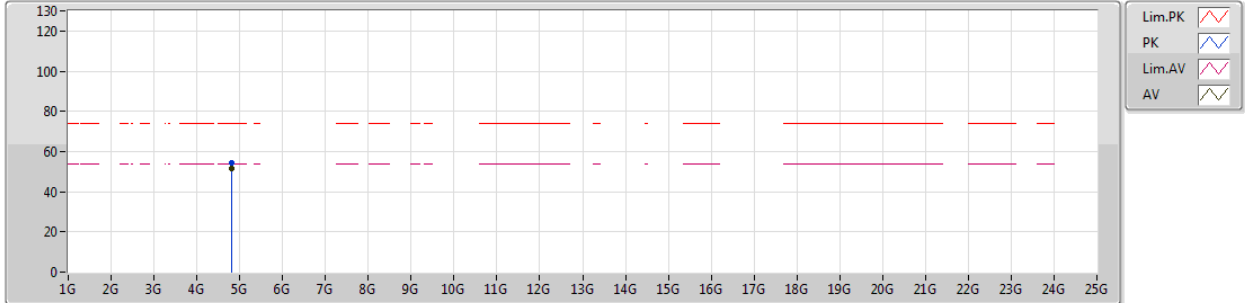
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82398G	55.88	74.00	-18.12	3.96	3	Vertical	28	2.80	-
AV	4.82406G	53.71	54.00	-0.29	3.96	3	Vertical	28	2.80	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2412MHz\_TX



EUT\_X\_2TX  
Setting 08/0B  
01-5-5  
FSU

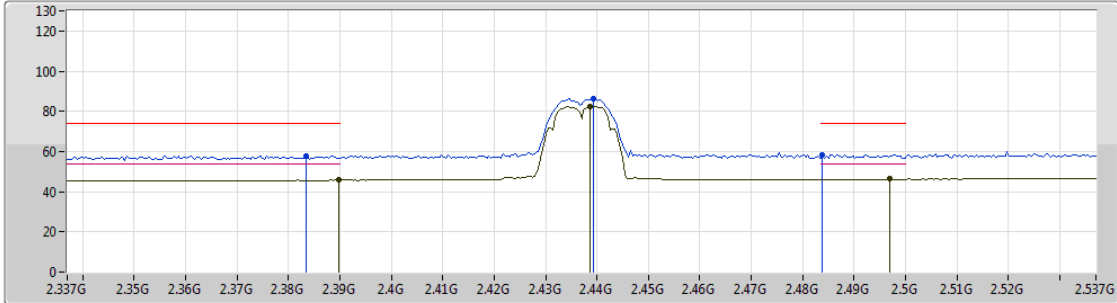
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82408G	54.25	74.00	-19.75	3.96	3	Horizontal	11	1.01	-
AV	4.82402G	51.53	54.00	-2.47	3.96	3	Horizontal	11	1.01	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2437MHz\_TX



EUT Y\_2TX  
Setting 02/06  
01-W-3  
FSU

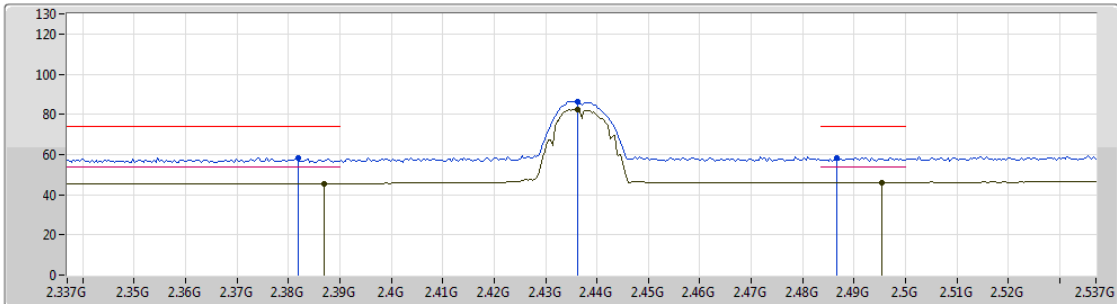
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3834G	57.81	74.00	-16.19	30.78	3	Vertical	183	1.16	-
AV	2.3898G	45.75	54.00	-8.25	30.80	3	Vertical	183	1.16	-
PK	2.4394G	86.41	Inf	-Inf	30.90	3	Vertical	183	1.16	-
AV	2.4386G	82.61	Inf	-Inf	30.90	3	Vertical	183	1.16	-
PK	2.4838G	58.47	74.00	-15.53	30.96	3	Vertical	183	1.16	-
AV	2.497G	46.24	54.00	-7.76	30.99	3	Vertical	183	1.16	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2437MHz\_TX



Legend for the plot:

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

EUT Y\_2TX  
Setting 02/06  
01-W-3  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3818G	58.29	74.00	-15.71	30.78	3	Horizontal	151	1.43	-
AV	2.387G	45.59	54.00	-8.41	30.79	3	Horizontal	151	1.43	-
PK	2.4362G	86.51	Inf	-Inf	30.90	3	Horizontal	151	1.43	-
AV	2.4362G	82.58	Inf	-Inf	30.90	3	Horizontal	151	1.43	-
PK	2.4866G	58.31	74.00	-15.69	30.97	3	Horizontal	151	1.43	-
AV	2.4954G	46.08	54.00	-7.92	30.99	3	Horizontal	151	1.43	-

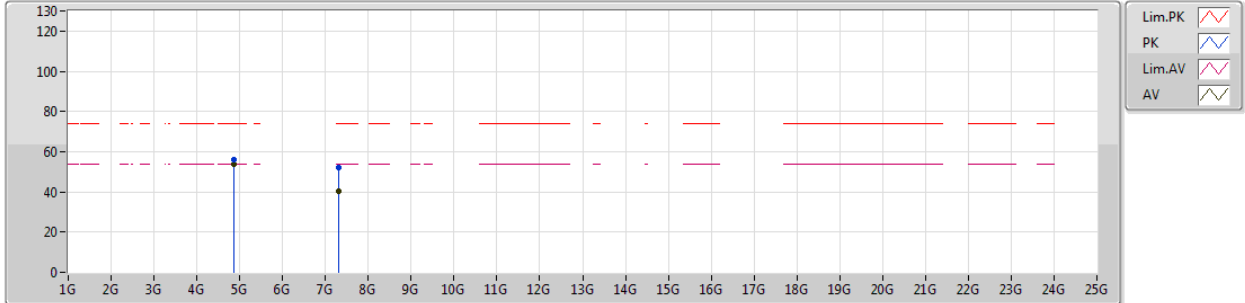




802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2437MHz\_TX



EUT\_X\_2TX  
Setting 02/06  
01-W-3  
FSU

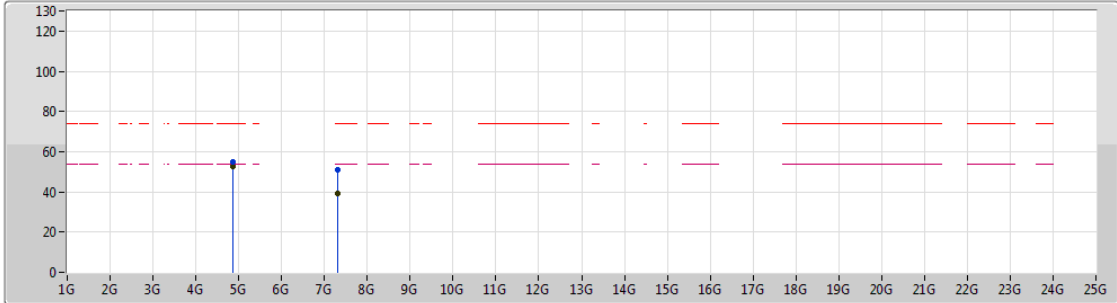
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87397G	56.23	74.00	-17.77	4.17	3	Vertical	352	1.03	-
AV	4.87401G	53.95	54.00	-0.05	4.17	3	Vertical	352	1.03	-
PK	7.31163G	51.99	74.00	-22.01	9.69	3	Vertical	23	1.01	-
AV	7.31175G	40.14	54.00	-13.86	9.69	3	Vertical	23	1.01	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2437MHz\_TX



Legend for the plot:

- Lim.PK (Red dashed line)
- PK (Blue solid line)
- Lim.AV (Pink dashed line)
- AV (Black solid line)

EUT\_X\_2TX  
Setting 02/06  
01-W-3  
FSU

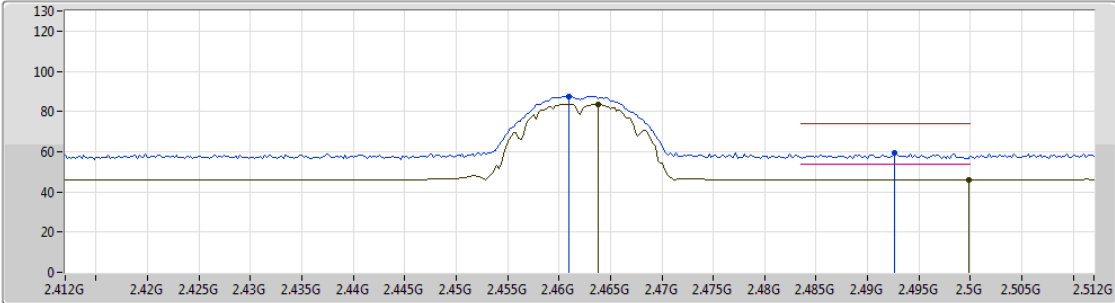
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87395G	55.11	74.00	-18.89	4.17	3	Horizontal	312	1.02	-
AV	4.87401G	52.42	54.00	-1.58	4.17	3	Horizontal	312	1.02	-
PK	7.31013G	51.19	74.00	-22.81	9.69	3	Horizontal	6	1.04	-
AV	7.31176G	39.29	54.00	-14.71	9.69	3	Horizontal	6	1.04	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2462MHz\_TX



EUT Y\_2TX  
Setting 02/06  
01-W-3  
FSU

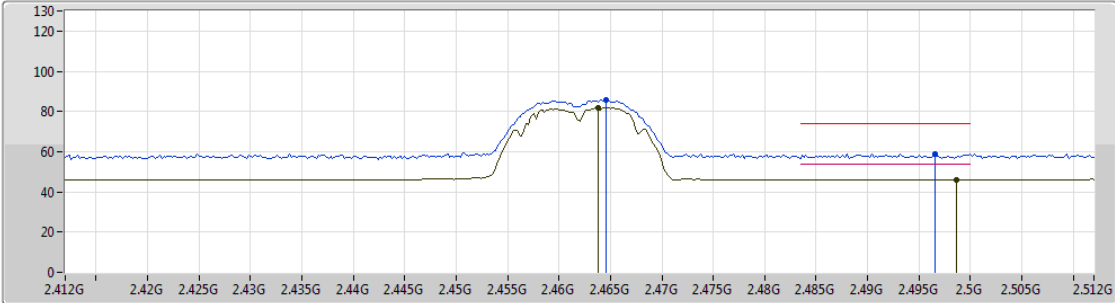
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.461G	87.66	Inf	-Inf	30.93	3	Vertical	193	1.09	-
AV	2.4638G	83.69	Inf	-Inf	30.93	3	Vertical	193	1.09	-
PK	2.4926G	59.32	74.00	-14.68	30.98	3	Vertical	193	1.09	-
AV	2.4998G	46.10	54.00	-7.90	30.99	3	Vertical	193	1.09	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2462MHz\_TX



EUT\_Y\_2TX  
Setting 02/06  
01-W-3  
FSU

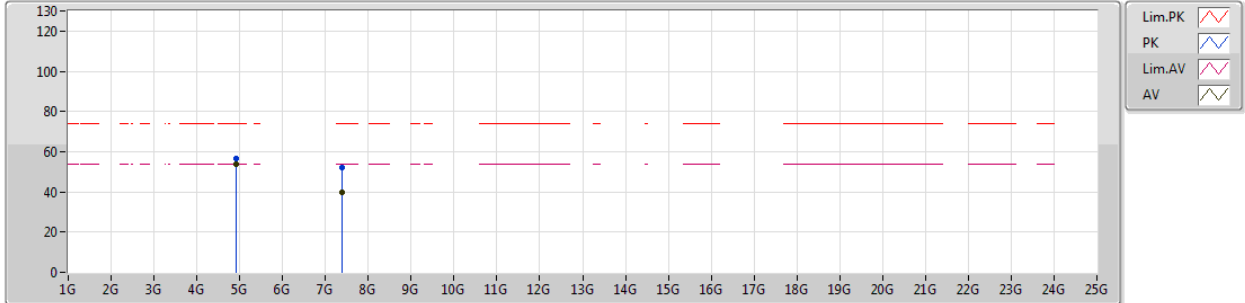
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4646G	85.85	Inf	-Inf	30.93	3	Horizontal	139	1.14	-
AV	2.4638G	81.94	Inf	-Inf	30.93	3	Horizontal	139	1.14	-
PK	2.4966G	58.95	74.00	-15.05	30.99	3	Horizontal	139	1.14	-
AV	2.4986G	46.09	54.00	-7.91	30.99	3	Horizontal	139	1.14	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2462MHz\_TX



EUT\_X\_2TX  
Setting 02/06  
01-W-3  
FSU

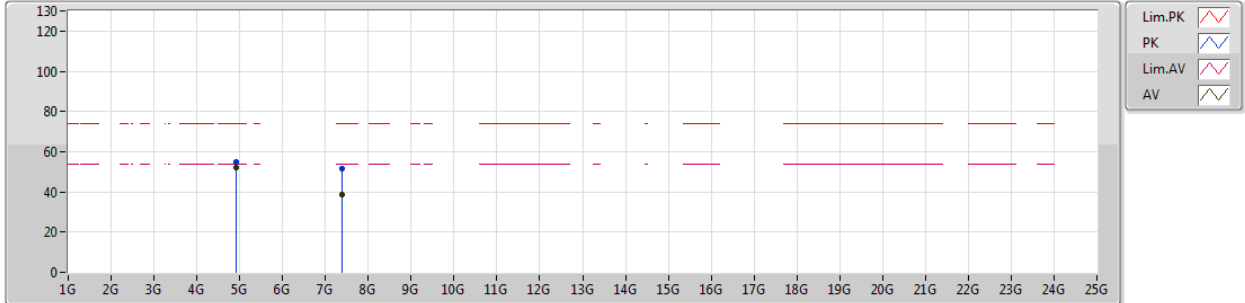
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92401G	56.47	74.00	-17.53	4.38	3	Vertical	355	1.06	-
AV	4.92401G	53.86	54.00	-0.14	4.38	3	Vertical	355	1.06	-
PK	7.38468G	52.06	74.00	-21.94	9.66	3	Vertical	37	1.00	-
AV	7.3853G	39.54	54.00	-14.46	9.67	3	Vertical	37	1.00	-



802.11b\_Nss1,(1Mbps)\_2TX

14/01/2019

2462MHz\_TX



EUT\_X\_2TX  
Setting 02/06  
01-W-3  
FSU

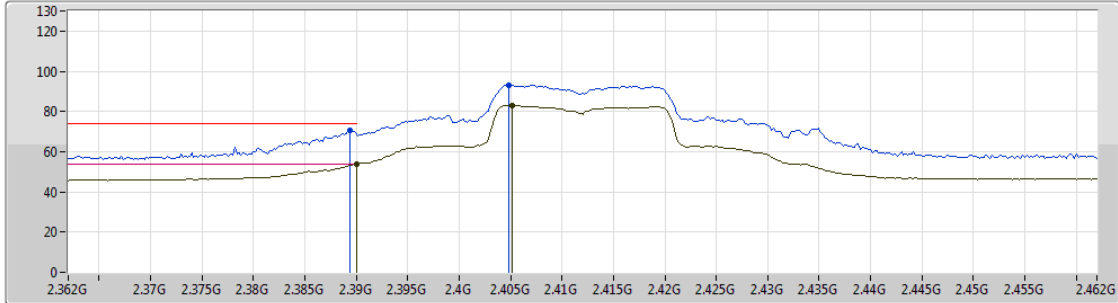
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92406G	55.13	74.00	-18.87	4.38	3	Horizontal	313	1.01	-
AV	4.92404G	52.33	54.00	-1.67	4.38	3	Horizontal	313	1.01	-
PK	7.38654G	51.38	74.00	-22.62	9.67	3	Horizontal	4	1.02	-
AV	7.38682G	38.87	54.00	-15.13	9.67	3	Horizontal	4	1.02	-



802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2412MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV

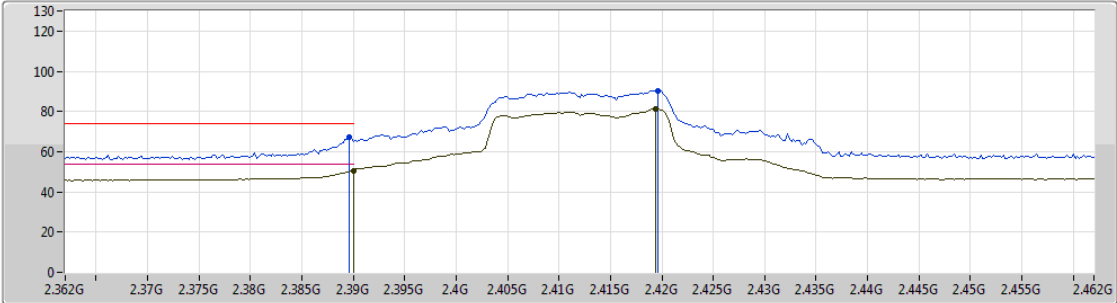
EUT Y\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3894G	70.71	74.00	-3.29	30.80	3	Vertical	142	1.01	-
AV	2.39G	53.58	54.00	-0.42	30.80	3	Vertical	142	1.01	-
PK	2.4048G	93.14	Inf	-Inf	30.84	3	Vertical	142	1.01	-
AV	2.4052G	83.19	Inf	-Inf	30.85	3	Vertical	142	1.01	-

802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2412MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV 

EUT\_Y\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3896G	67.33	74.00	-6.67	30.80	3	Horizontal	149	1.53	-
AV	2.39G	50.51	54.00	-3.49	30.80	3	Horizontal	149	1.53	-
PK	2.4196G	90.46	Inf	-Inf	30.87	3	Horizontal	149	1.53	-
AV	2.4194G	81.15	Inf	-Inf	30.87	3	Horizontal	149	1.53	-

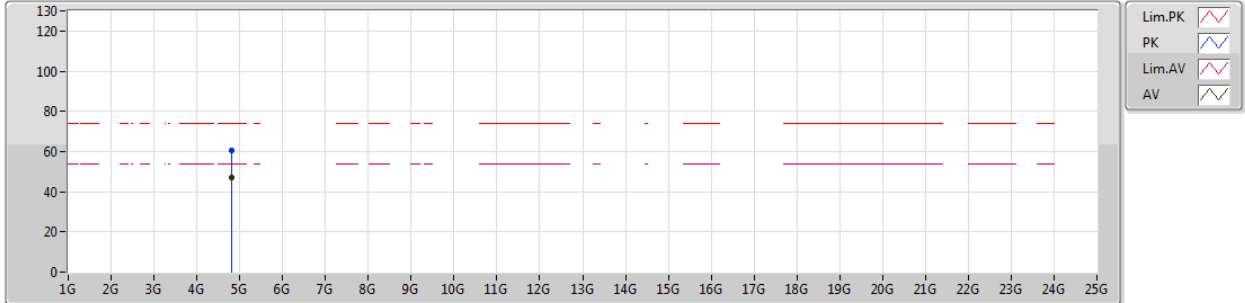




802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2412MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

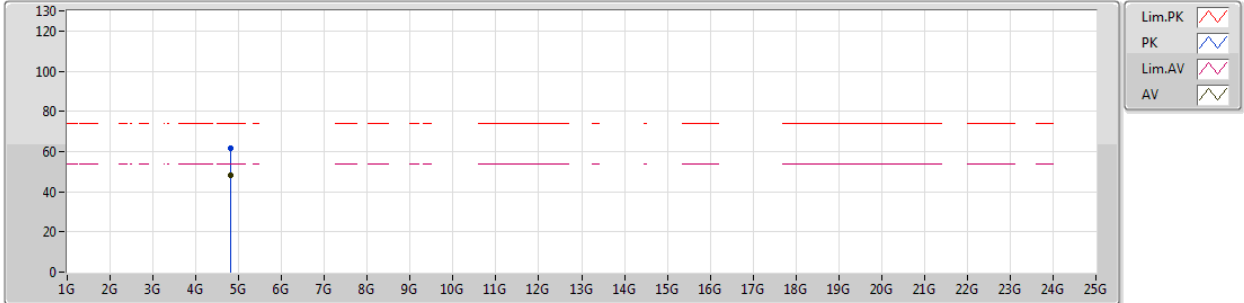
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82244G	60.42	74.00	-13.58	3.96	3	Vertical	15	1.50	-
AV	4.824G	47.04	54.00	-6.96	3.96	3	Vertical	15	1.50	-



802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2412MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

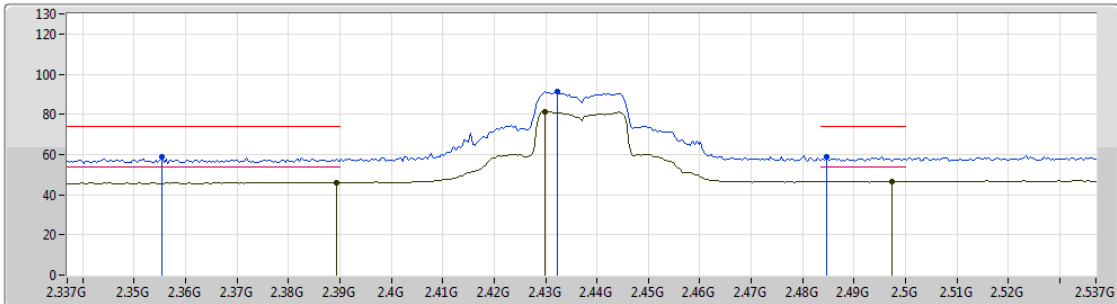
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.8225G	61.46	74.00	-12.54	3.96	3	Horizontal	314	1.02	-
AV	4.8237G	48.36	54.00	-5.64	3.96	3	Horizontal	314	1.02	-



802.11g\_Nss1,(6Mbps)\_2TX

2437MHz\_TX

14/01/2019



Legend for the spectrum plot:

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

EUT Y\_2TX  
Setting 2A/2F  
01-W-3  
FSU

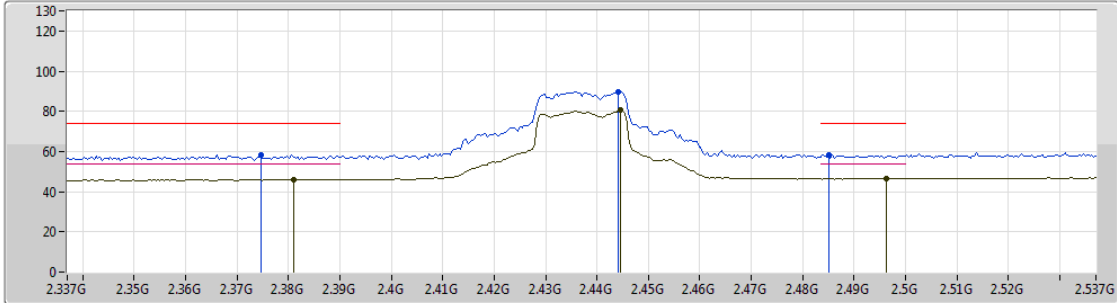
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3554G	58.59	74.00	-15.41	30.67	3	Vertical	181	1.22	-
AV	2.3894G	46.01	54.00	-7.99	30.80	3	Vertical	181	1.22	-
PK	2.4322G	91.54	Inf	-Inf	30.89	3	Vertical	181	1.22	-
AV	2.4298G	81.41	Inf	-Inf	30.88	3	Vertical	181	1.22	-
PK	2.4846G	58.62	74.00	-15.38	30.96	3	Vertical	181	1.22	-
AV	2.4974G	46.61	54.00	-7.39	30.99	3	Vertical	181	1.22	-



802.11g\_Nss1,(6Mbps)\_2TX

2437MHz\_TX

14/01/2019



Lim.PK   
 PK   
 Lim.AV   
 AV

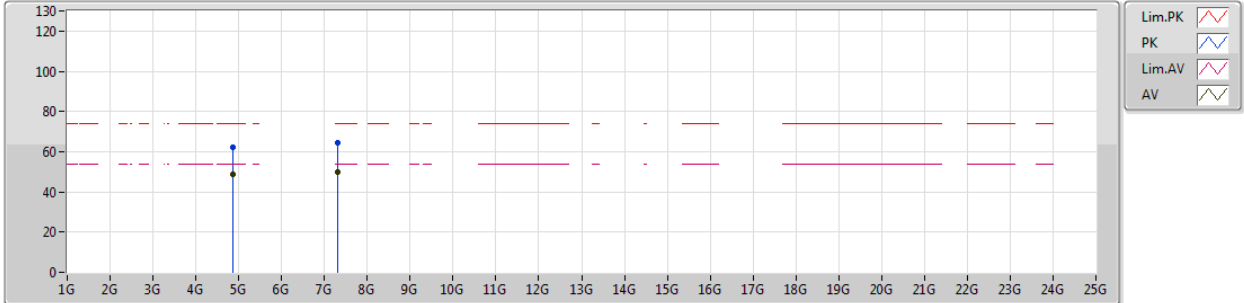
EUT Y\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3746G	58.55	74.00	-15.45	30.74	3	Horizontal	149	1.47	-
AV	2.381G	45.98	54.00	-8.02	30.76	3	Horizontal	149	1.47	-
PK	2.4442G	89.86	Inf	-Inf	30.90	3	Horizontal	149	1.47	-
AV	2.4446G	80.53	Inf	-Inf	30.90	3	Horizontal	149	1.47	-
PK	2.485G	58.55	74.00	-15.45	30.97	3	Horizontal	149	1.47	-
AV	2.4962G	46.60	54.00	-7.40	30.99	3	Horizontal	149	1.47	-

802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2437MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

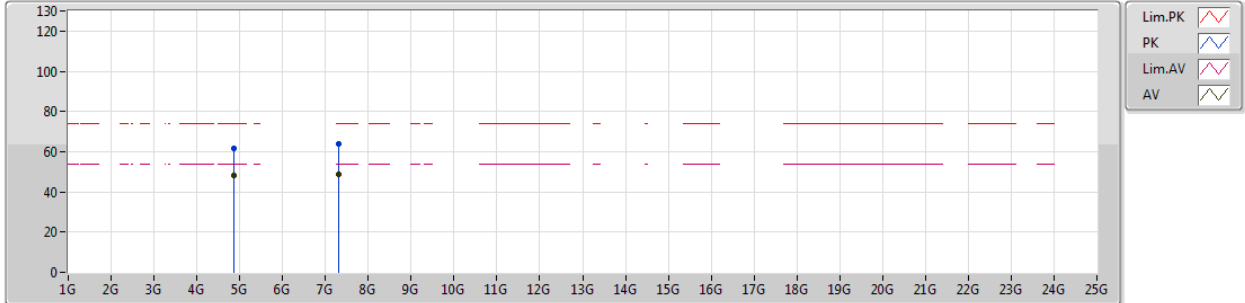
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.8724G	62.01	74.00	-11.99	4.17	3	Vertical	353	1.03	-
AV	4.874G	48.75	54.00	-5.25	4.17	3	Vertical	353	1.03	-
PK	7.3149G	64.52	74.00	-9.48	9.69	3	Vertical	28	1.00	-
AV	7.31046G	49.97	54.00	-4.03	9.69	3	Vertical	28	1.00	-



802.11g\_Nss1,(6Mbps)\_2TX

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2437MHz\_TX



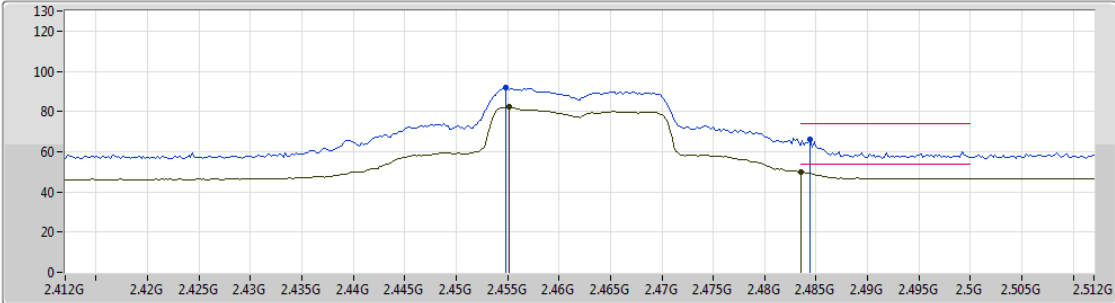
EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87244G	61.45	74.00	-12.55	4.17	3	Horizontal	2	1.01	-
AV	4.87394G	48.37	54.00	-5.63	4.17	3	Horizontal	2	1.01	-
PK	7.31418G	63.73	74.00	-10.27	9.69	3	Horizontal	5	1.04	-
AV	7.31352G	48.76	54.00	-5.24	9.69	3	Horizontal	5	1.04	-

802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2462MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV 

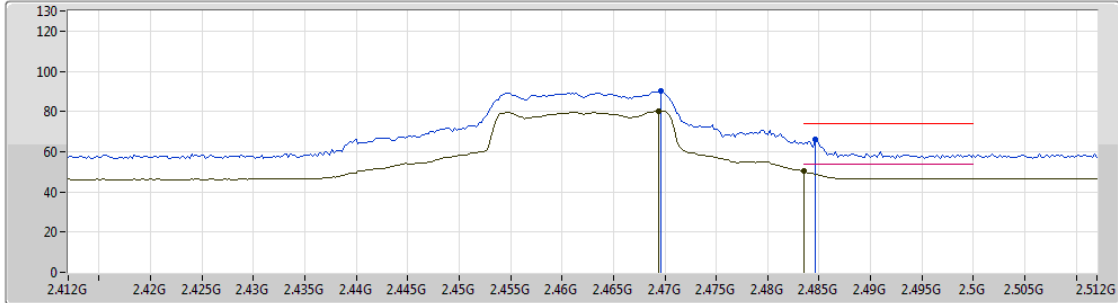
EUT Y\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4548G	91.85	Inf	-Inf	30.92	3	Vertical	199	1.15	-
AV	2.4552G	82.11	Inf	-Inf	30.93	3	Vertical	199	1.15	-
PK	2.4844G	66.24	74.00	-7.76	30.96	3	Vertical	199	1.15	-
AV	2.4835G	50.03	54.00	-3.97	30.96	3	Vertical	199	1.15	-

802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2462MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV 

EUT\_Y\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4696G	89.98	Inf	-Inf	30.94	3	Horizontal	149	1.48	-
AV	2.4694G	80.30	Inf	-Inf	30.94	3	Horizontal	149	1.48	-
PK	2.4846G	66.13	74.00	-7.87	30.96	3	Horizontal	149	1.48	-
AV	2.4835G	50.31	54.00	-3.69	30.96	3	Horizontal	149	1.48	-

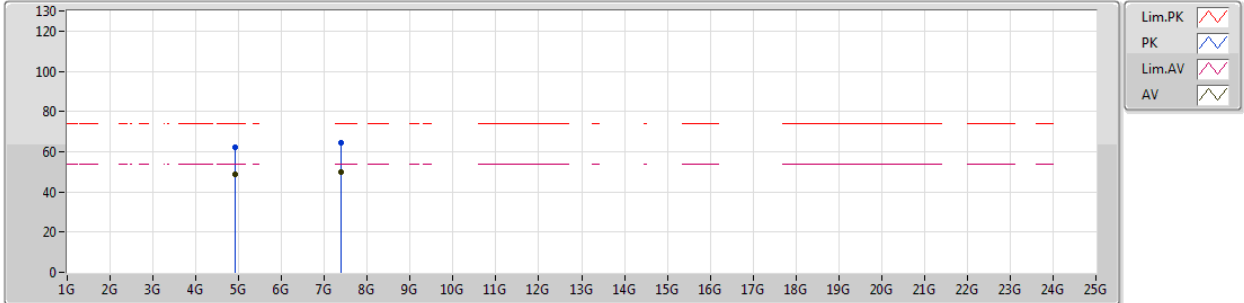




802.11g\_Nss1,(6Mbps)\_2TX

14/01/2019

2462MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.9225G	62.07	74.00	-11.93	4.38	3	Vertical	351	1.05	-
AV	4.92412G	48.49	54.00	-5.51	4.38	3	Vertical	351	1.05	-
PK	7.38384G	64.22	74.00	-9.78	9.66	3	Vertical	36	1.00	-
AV	7.3857G	50.06	54.00	-3.94	9.67	3	Vertical	36	1.00	-



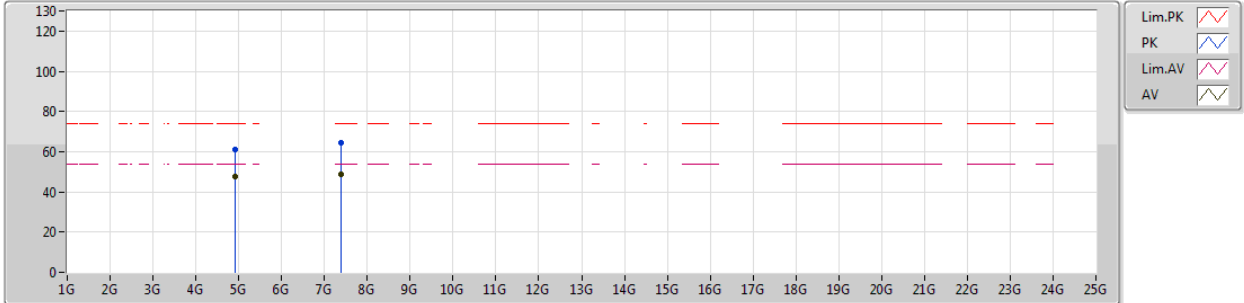
## RSE TX above 1GHz Result

Appendix F.2

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

14/01/2019

### 2462MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

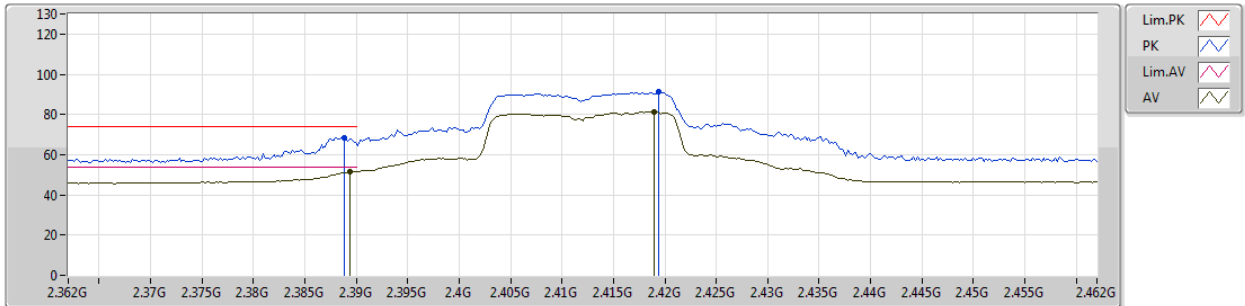
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92316G	60.91	74.00	-13.09	4.38	3	Horizontal	2	1.15	-
AV	4.92406G	47.76	54.00	-6.24	4.38	3	Horizontal	2	1.15	-
PK	7.3893G	64.16	74.00	-9.84	9.67	3	Horizontal	5	1.01	-
AV	7.38828G	48.50	54.00	-5.50	9.67	3	Horizontal	5	1.01	-



802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2412MHz\_TX



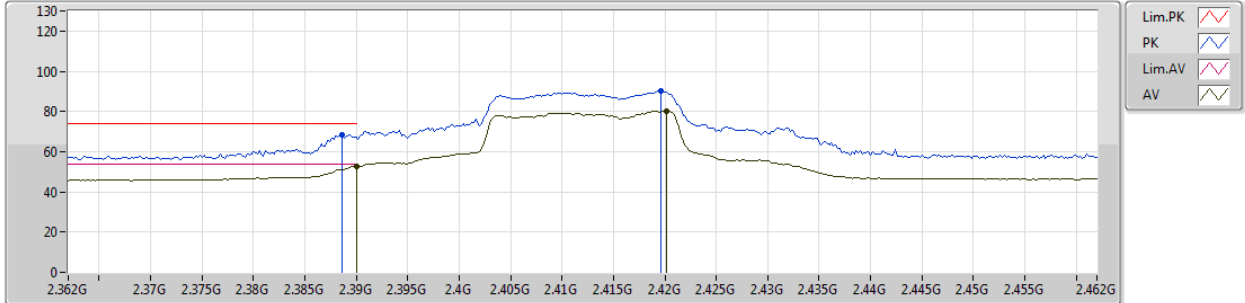
EUT Y\_2TX  
Setting 2A/2F  
01-W-3  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3888G	68.44	74.00	-5.56	30.80	3	Vertical	181	1.22	-
AV	2.3894G	51.69	54.00	-2.31	30.80	3	Vertical	181	1.22	-
PK	2.4194G	91.14	Inf	-Inf	30.87	3	Vertical	181	1.22	-
AV	2.419G	81.39	Inf	-Inf	30.87	3	Vertical	181	1.22	-

802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2412MHz\_TX



EUT Y\_2TX  
Setting 2A/2F  
01-W-3  
FSU

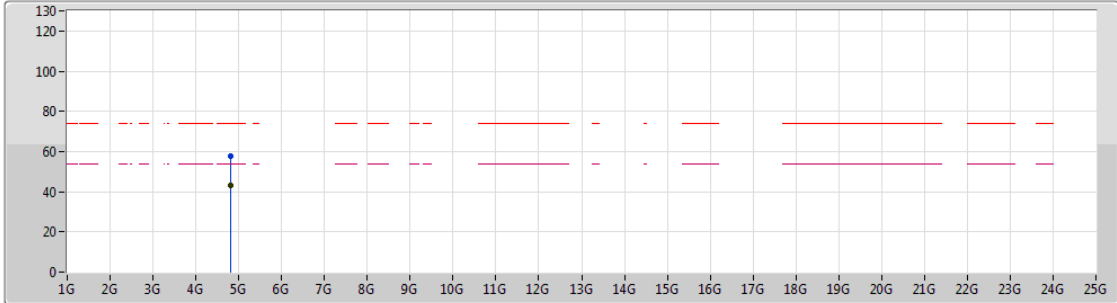
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3886G	68.39	74.00	-5.61	30.80	3	Horizontal	133	1.53	-
AV	2.39G	52.45	54.00	-1.55	30.80	3	Horizontal	133	1.53	-
PK	2.4196G	90.23	Inf	-Inf	30.87	3	Horizontal	133	1.53	-
AV	2.4202G	80.38	Inf	-Inf	30.87	3	Horizontal	133	1.53	-



802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2412MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

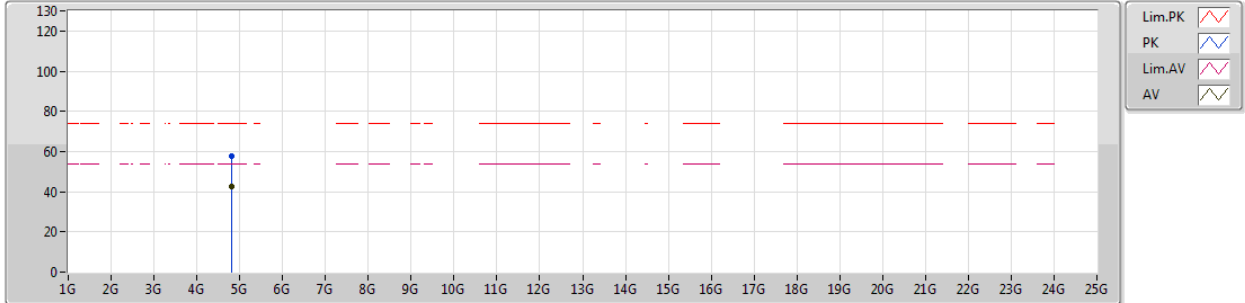
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82442G	57.58	74.00	-16.42	3.96	3	Vertical	10	1.01	-
AV	4.82388G	43.06	54.00	-10.94	3.96	3	Vertical	10	1.01	-



802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2412MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

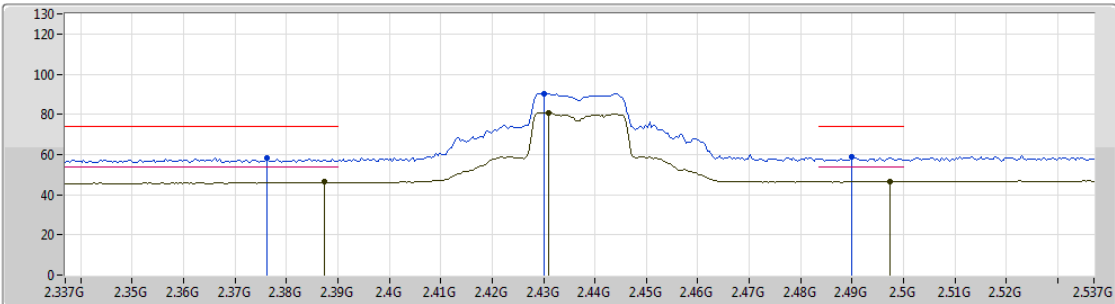
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82346G	57.65	74.00	-16.35	3.96	3	Horizontal	314	1.05	-
AV	4.82238G	42.56	54.00	-11.44	3.96	3	Horizontal	314	1.05	-



802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2437MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV

EUT Y\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU

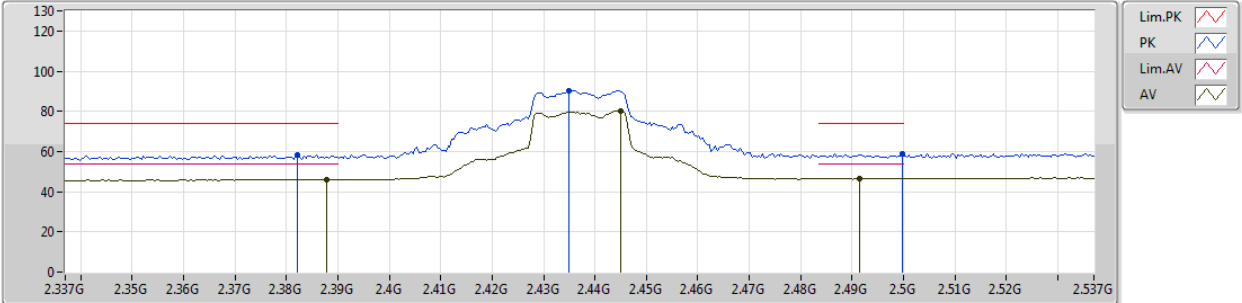
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3762G	58.32	74.00	-15.68	30.75	3	Vertical	178	1.16	-
AV	2.3874G	46.31	54.00	-7.69	30.79	3	Vertical	178	1.16	-
PK	2.4302G	90.40	Inf	-Inf	30.89	3	Vertical	178	1.16	-
AV	2.431G	80.82	Inf	-Inf	30.89	3	Vertical	178	1.16	-
PK	2.4898G	58.76	74.00	-15.24	30.97	3	Vertical	178	1.16	-
AV	2.4974G	46.62	54.00	-7.38	30.99	3	Vertical	178	1.16	-



802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2437MHz\_TX



EUT Y\_2TX  
Setting 2A/2F  
01-W-3  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3822G	58.13	74.00	-15.87	30.78	3	Horizontal	149	1.50	-
AV	2.3878G	46.05	54.00	-7.95	30.79	3	Horizontal	149	1.50	-
PK	2.435G	90.48	Inf	-Inf	30.89	3	Horizontal	149	1.50	-
AV	2.445G	80.26	Inf	-Inf	30.91	3	Horizontal	149	1.50	-
PK	2.4998G	58.81	74.00	-15.19	30.99	3	Horizontal	149	1.50	-
AV	2.4914G	46.55	54.00	-7.45	30.98	3	Horizontal	149	1.50	-

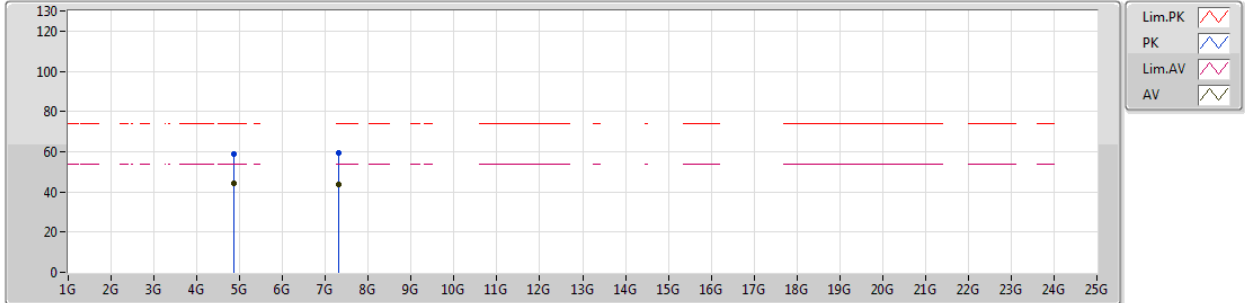




802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2437MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

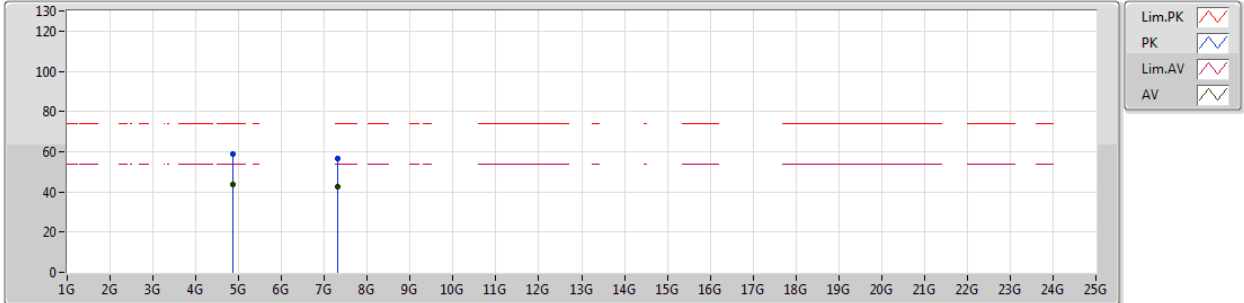
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87112G	58.72	74.00	-15.28	4.16	3	Vertical	352	1.02	-
AV	4.874G	44.08	54.00	-9.92	4.17	3	Vertical	352	1.02	-
PK	7.30788G	59.60	74.00	-14.40	9.69	3	Vertical	25	1.00	-
AV	7.30716G	43.80	54.00	-10.20	9.69	3	Vertical	25	1.00	-



802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2437MHz\_TX



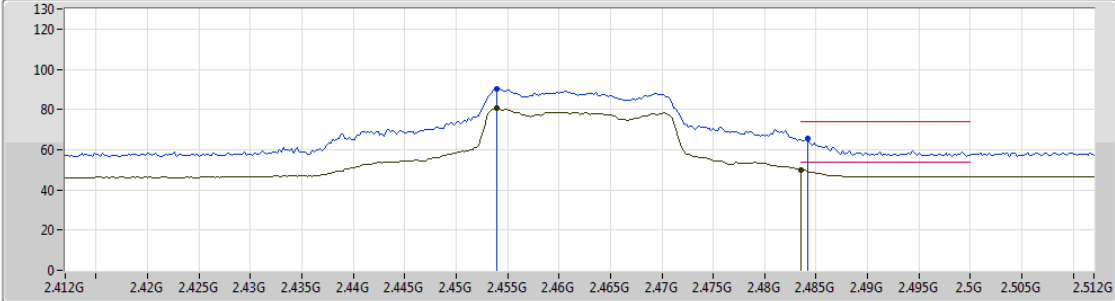
EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.8734G	58.79	74.00	-15.21	4.17	3	Horizontal	334	1.02	-
AV	4.87418G	43.98	54.00	-10.02	4.17	3	Horizontal	334	1.02	-
PK	7.31484G	56.83	74.00	-17.17	9.69	3	Horizontal	7	1.03	-
AV	7.3137G	42.86	54.00	-11.14	9.69	3	Horizontal	7	1.03	-

802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2462MHz\_TX



EUT Y\_2TX  
Setting 2A/2F  
01-W-3  
FSU

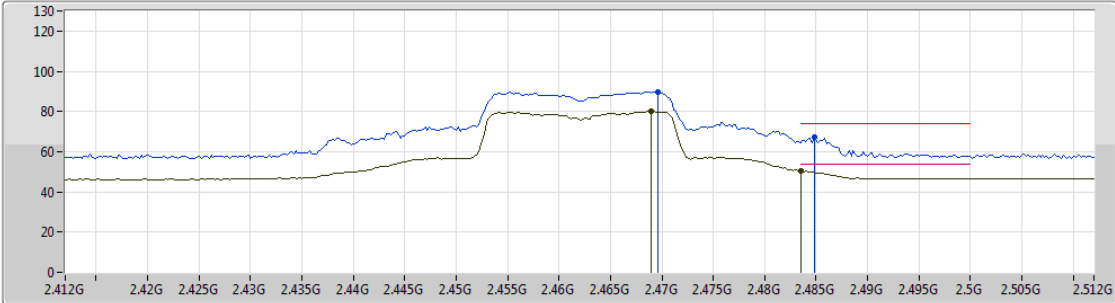
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.454G	90.18	Inf	-Inf	30.92	3	Vertical	145	1.50	-
AV	2.454G	80.51	Inf	-Inf	30.92	3	Vertical	145	1.50	-
PK	2.4842G	65.66	74.00	-8.34	30.96	3	Vertical	145	1.50	-
AV	2.4835G	50.02	54.00	-3.98	30.96	3	Vertical	145	1.50	-



802.11n HT20\_Nss1,(MCS0)\_2TX

14/01/2019

2462MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV

EUT\_Y\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU

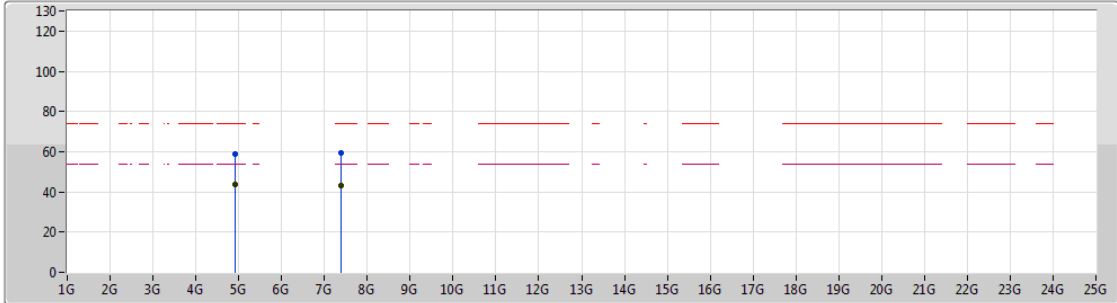
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4696G	89.83	Inf	-Inf	30.94	3	Horizontal	140	1.50	-
AV	2.469G	80.35	Inf	-Inf	30.94	3	Horizontal	140	1.50	-
PK	2.4848G	67.07	74.00	-6.93	30.96	3	Horizontal	140	1.50	-
AV	2.4835G	50.46	54.00	-3.54	30.96	3	Horizontal	140	1.50	-



802.11n HT20\_Nss1,(MCS0)\_2TX

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2462MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV

EUT\_X\_2TX  
 Setting 2A/2F  
 01-W-3  
 FSU

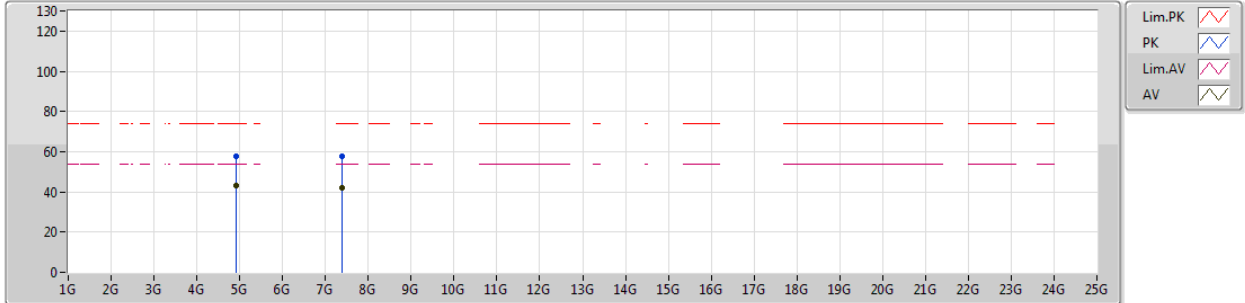
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92328G	58.80	74.00	-15.20	4.38	3	Vertical	354	1.06	-
AV	4.92418G	43.76	54.00	-10.24	4.38	3	Vertical	354	1.06	-
PK	7.386G	59.37	74.00	-14.63	9.67	3	Vertical	37	1.00	-
AV	7.38198G	43.10	54.00	-10.90	9.68	3	Vertical	37	1.00	-



802.11n HT20\_Nss1,(MCS0)\_2TX

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2462MHz\_TX



EUT\_X\_2TX  
Setting 2A/2F  
01-W-3  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92358G	57.61	74.00	-16.39	4.38	3	Horizontal	0	1.01	-
AV	4.9243G	42.98	54.00	-11.02	4.38	3	Horizontal	0	1.01	-
PK	7.38996G	57.79	74.00	-16.21	9.67	3	Horizontal	5	1.00	-
AV	7.38708G	42.30	54.00	-11.70	9.67	3	Horizontal	5	1.00	-



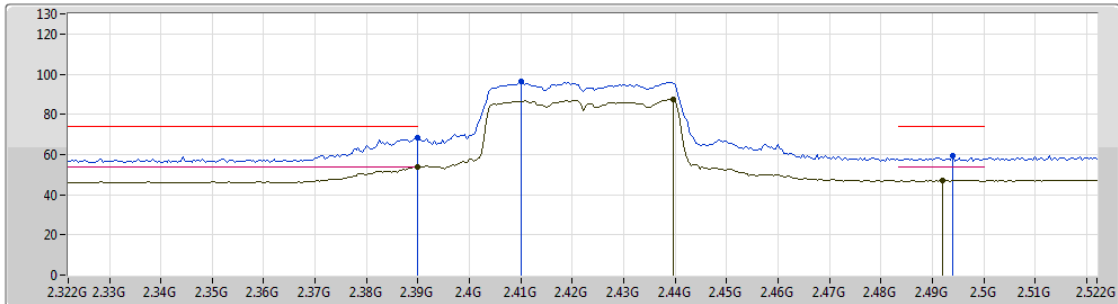
RSE TX above 1GHz Result

Appendix F.2

802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2422MHz\_TX



Legend for the spectrum plot:

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

EUT Y\_2TX  
Setting 05/09  
01-5-5  
FSU

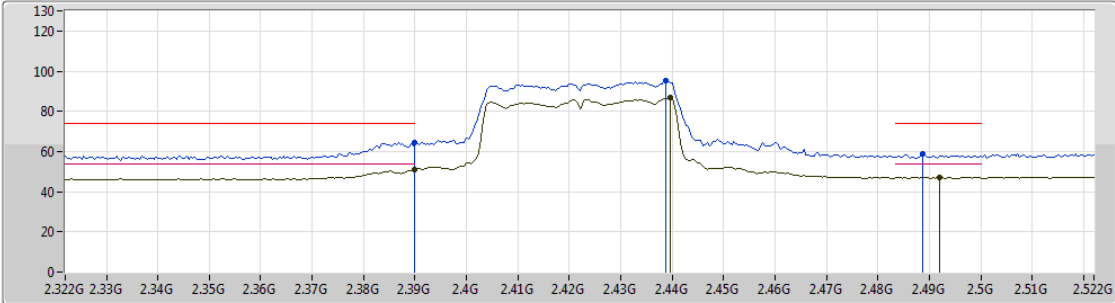
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.39G	68.54	74.00	-5.46	30.80	3	Vertical	63	1.43	-
AV	2.39G	53.97	54.00	-0.03	30.80	3	Vertical	63	1.43	-
PK	2.41G	96.19	Inf	-Inf	30.86	3	Vertical	63	1.43	-
AV	2.4396G	87.40	Inf	-Inf	30.90	3	Vertical	63	1.43	-
PK	2.494G	59.12	74.00	-14.88	30.98	3	Vertical	63	1.43	-
AV	2.492G	47.06	54.00	-6.94	30.98	3	Vertical	63	1.43	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2422MHz\_TX



Legend for the spectrum plot:

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

EUT Y\_2TX  
Setting 05/09  
01-5-5  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.39G	64.36	74.00	-9.64	30.80	3	Horizontal	0	2.81	-
AV	2.39G	51.06	54.00	-2.94	30.80	3	Horizontal	0	2.81	-
PK	2.4388G	95.23	Inf	-Inf	30.90	3	Horizontal	0	2.81	-
AV	2.4396G	86.83	Inf	-Inf	30.90	3	Horizontal	0	2.81	-
PK	2.4888G	58.60	74.00	-15.40	30.97	3	Horizontal	0	2.81	-
AV	2.492G	47.30	54.00	-6.70	30.98	3	Horizontal	0	2.81	-

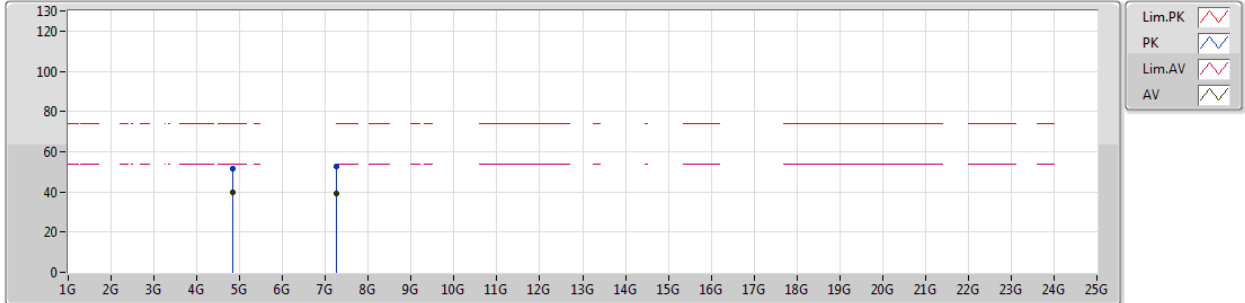




802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2422MHz\_TX



EUT\_X\_2TX  
Setting 05/09  
01-5-5  
FSU

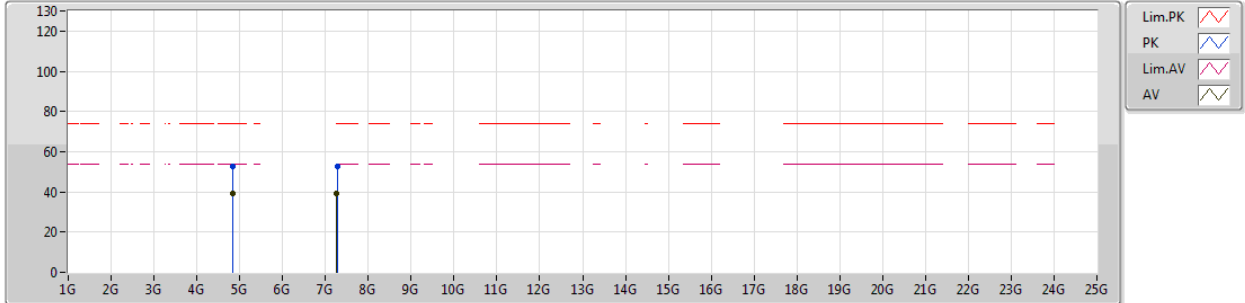
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.8448G	51.50	74.00	-22.50	4.04	3	Vertical	0	1.09	-
AV	4.844G	40.05	54.00	-13.95	4.04	3	Vertical	0	1.09	-
PK	7.2527G	52.54	74.00	-21.46	9.61	3	Vertical	33	1.07	-
AV	7.2518G	39.27	54.00	-14.73	9.61	3	Vertical	33	1.07	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2422MHz\_TX



EUT\_X\_2TX  
Setting 05/09  
01-5-5  
FSU

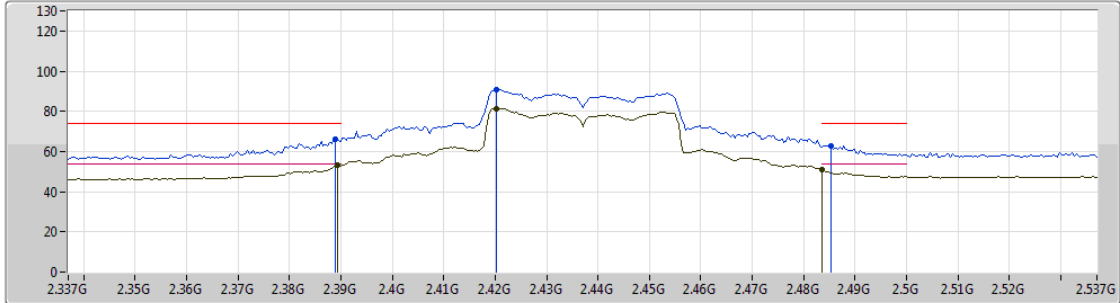
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.8448G	52.71	74.00	-21.29	4.04	3	Horizontal	349	1.01	-
AV	4.8439G	39.25	54.00	-14.75	4.04	3	Horizontal	349	1.01	-
PK	7.2773G	52.62	74.00	-21.38	9.65	3	Horizontal	9	1.04	-
AV	7.2548G	39.28	54.00	-14.72	9.61	3	Horizontal	9	1.04	-



802.11n HT40\_Nss1,(MCS0)\_2TX

2437MHz\_TX

14/01/2019



EUT Y\_2TX  
Setting 2B/2F  
01-W-3  
FSU

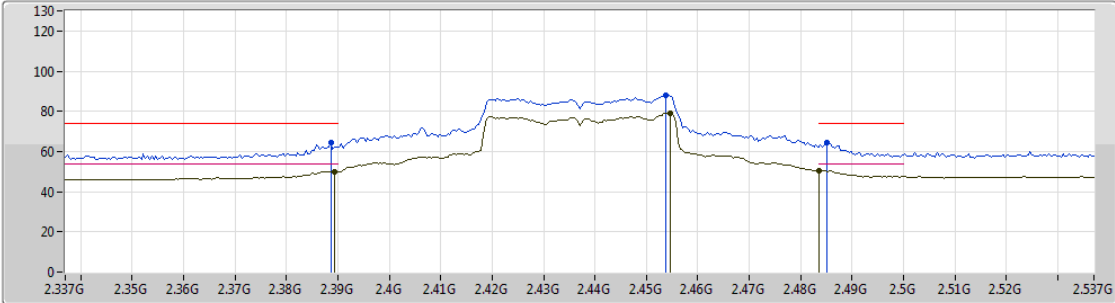
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.389G	66.26	74.00	-7.74	30.80	3	Vertical	181	1.27	-
AV	2.3894G	53.03	54.00	-0.97	30.80	3	Vertical	181	1.27	-
PK	2.4202G	91.05	Inf	-Inf	30.87	3	Vertical	181	1.27	-
AV	2.4202G	81.49	Inf	-Inf	30.87	3	Vertical	181	1.27	-
PK	2.4854G	63.01	74.00	-10.99	30.97	3	Vertical	181	1.27	-
AV	2.4835G	50.99	54.00	-3.01	30.96	3	Vertical	181	1.27	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2437MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV

EUT Y\_2TX  
 Setting 2B/2F  
 01-W-3  
 FSU

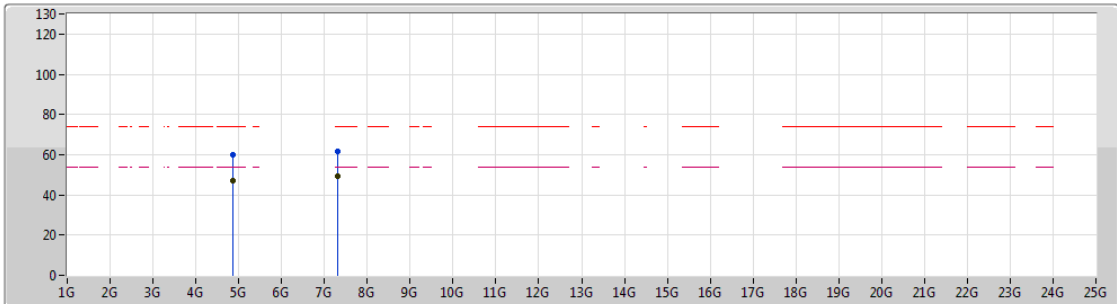
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3886G	64.30	74.00	-9.70	30.80	3	Horizontal	150	2.18	-
AV	2.3894G	50.04	54.00	-3.96	30.80	3	Horizontal	150	2.18	-
PK	2.4538G	88.00	Inf	-Inf	30.92	3	Horizontal	150	2.18	-
AV	2.4546G	79.24	Inf	-Inf	30.92	3	Horizontal	150	2.18	-
PK	2.485G	64.24	74.00	-9.76	30.97	3	Horizontal	150	2.18	-
AV	2.4835G	50.59	54.00	-3.41	30.96	3	Horizontal	150	2.18	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2437MHz\_TX



Legend for the spectrum plot:

- Lim.PK (Red dashed line)
- PK (Blue solid line)
- Lim.AV (Magenta dashed line)
- AV (Black solid line)

EUT\_X\_2TX  
Setting 2B/2F  
01-W-3  
FSU

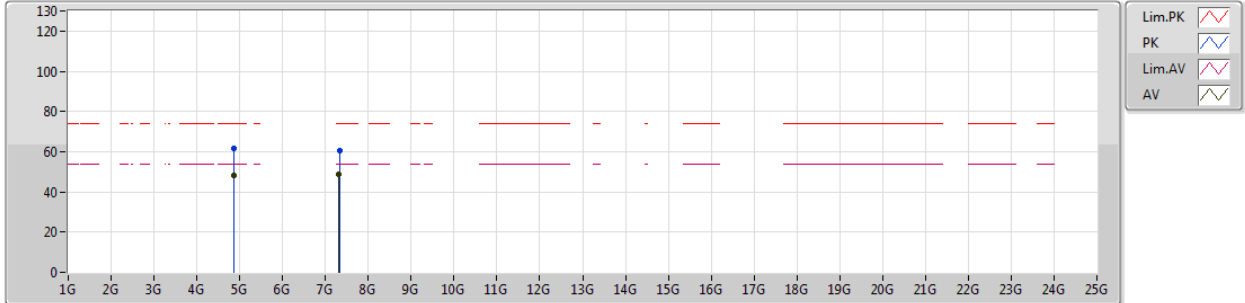
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87488G	59.99	74.00	-14.01	4.17	3	Vertical	0	1.06	-
AV	4.874G	47.29	54.00	-6.71	4.17	3	Vertical	0	1.06	-
PK	7.32092G	61.57	74.00	-12.43	9.68	3	Vertical	31	1.03	-
AV	7.29932G	49.49	54.00	-4.51	9.69	3	Vertical	31	1.03	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2437MHz\_TX



EUT\_X\_2TX  
Setting 2B/2F  
01-W-3  
FSU

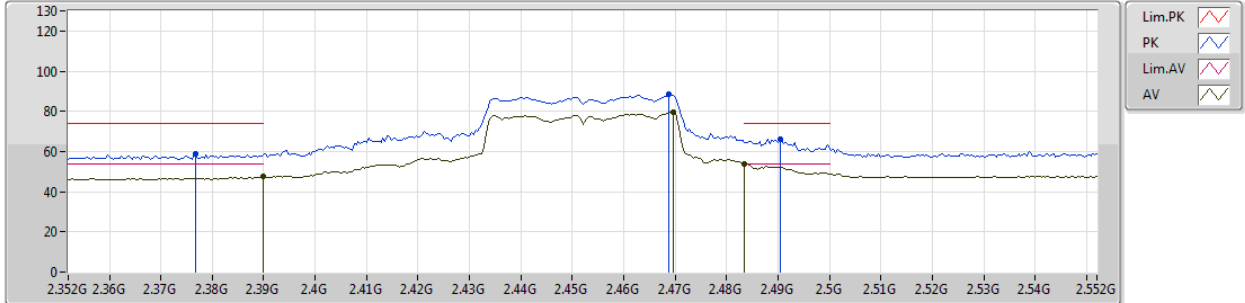
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87488G	61.40	74.00	-12.60	4.17	3	Horizontal	350	1.01	-
AV	4.874G	48.21	54.00	-5.79	4.17	3	Horizontal	350	1.01	-
PK	7.32412G	60.49	74.00	-13.51	9.68	3	Horizontal	12	1.00	-
AV	7.30332G	48.49	54.00	-5.51	9.69	3	Horizontal	12	1.00	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2452MHz\_TX



EUT Y\_2TX  
Setting 1C/21  
01-W-3  
FSU

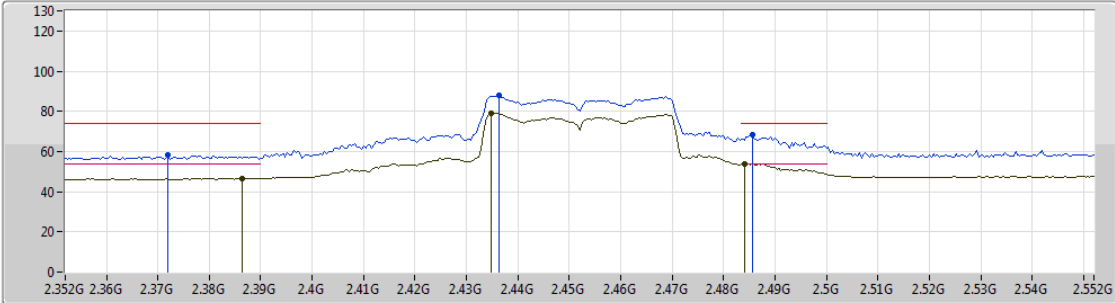
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3768G	58.68	74.00	-15.32	30.75	3	Vertical	197	1.08	-
AV	2.39G	47.36	54.00	-6.64	30.80	3	Vertical	197	1.08	-
PK	2.4688G	88.43	Inf	-Inf	30.94	3	Vertical	197	1.08	-
AV	2.4696G	79.59	Inf	-Inf	30.94	3	Vertical	197	1.08	-
PK	2.4904G	66.28	74.00	-7.72	30.98	3	Vertical	197	1.08	-
AV	2.4835G	53.88	54.00	-0.12	30.96	3	Vertical	197	1.08	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2452MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV

EUT Y\_2TX  
 Setting 1C/21  
 01-W-3  
 FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.372G	58.23	74.00	-15.77	30.74	3	Horizontal	145	1.42	-
AV	2.3864G	46.62	54.00	-7.38	30.79	3	Horizontal	145	1.42	-
PK	2.4364G	87.85	Inf	-Inf	30.90	3	Horizontal	145	1.42	-
AV	2.4348G	79.22	Inf	-Inf	30.89	3	Horizontal	145	1.42	-
PK	2.4856G	68.48	74.00	-5.52	30.97	3	Horizontal	145	1.42	-
AV	2.484G	53.91	54.00	-0.09	30.96	3	Horizontal	145	1.42	-

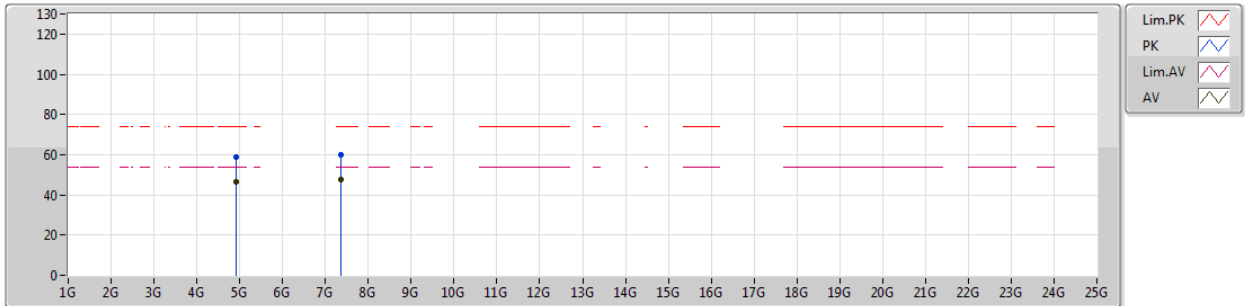




802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2452MHz\_TX



EUT\_X\_2TX  
Setting 1C/21  
01-W-3  
FSU

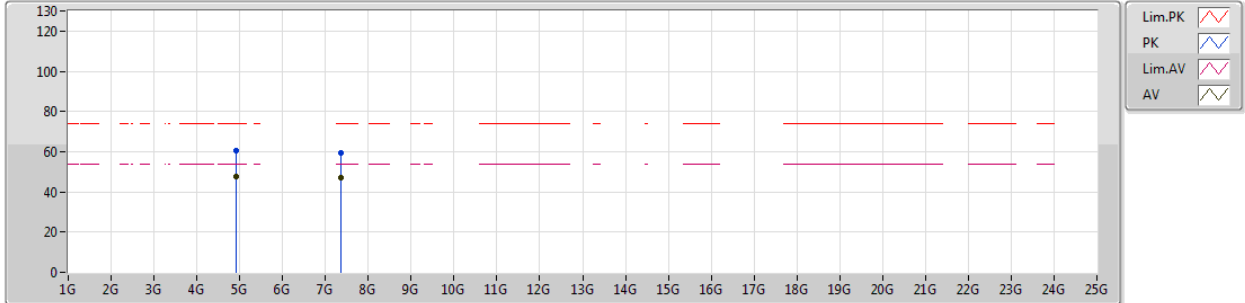
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.9048G	58.60	74.00	-15.40	4.30	3	Vertical	0	1.09	-
AV	4.90392G	46.32	54.00	-7.68	4.29	3	Vertical	0	1.09	-
PK	7.36608G	59.81	74.00	-14.19	9.68	3	Vertical	35	1.01	-
AV	7.36034G	47.69	54.00	-6.31	9.68	3	Vertical	35	1.01	-



802.11n HT40\_Nss1,(MCS0)\_2TX

14/01/2019

2452MHz\_TX



EUT\_X\_2TX  
Setting 1C/21  
01-W-3  
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.90488G	60.54	74.00	-13.46	4.30	3	Horizontal	354	1.03	-
AV	4.90376G	47.47	54.00	-6.53	4.29	3	Horizontal	354	1.03	-
PK	7.35792G	59.26	74.00	-14.74	9.68	3	Horizontal	7	1.03	-
AV	7.35768G	46.99	54.00	-7.01	9.68	3	Horizontal	7	1.03	-