



# FCC Test Report

**Equipment** : AC1350 Wireless Dual Band Gigabit Ceiling Mount Access Point  
**Brand Name** : tp-link  
**Model No.** : EAP225  
**FCC ID** : TE7EAP225V3  
**Standard** : 47 CFR FCC Part 15.247  
**Operating Band** : 2400 MHz – 2483.5 MHz  
**Function** :  Point-to-multipoint;  Point-to-point  
**Applicant** : TP-Link Technologies Co., Ltd.  
 Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China  
**Manufacturer** : TP-Link Technologies Co., Ltd.  
 Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China

The product sample received on Sep. 18, 2017 and completely tested on Oct. 23, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

  
 Cliff Chang  
 SPORTON INTERNATIONAL INC.





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**PHOTOGRAPHS OF EUT V01**



### Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Maximum Conducted Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: > 30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied





# 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	3TX
2.4-2.4835GHz	802.11g	20	3TX
2.4-2.4835GHz	802.11n HT20	20	3TX
2.4-2.4835GHz	802.11n HT40	40	3TX

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.	Brand	P/N	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	TP-LINK	EAP225 3.0	PIFA Antenna	N/A	4	5
2	TP-LINK	EAP225 3.0	PIFA Antenna	N/A	4	5
3	TP-LINK	EAP225 3.0	PIFA Antenna	N/A	4	-

Note1: The EUT has three antennas.

For 2.4GHz function:

For IEEE 802.11b/g/n mode (3TX/3RX)

Ant. 1 (port 1), Ant. 2 (port 2) and Ant. 3 (port 3) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (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	0.996	0.017	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.965	0.155	1.365m	1k
802.11n HT20	0.962	0.168	1.278m	1k
802.11n HT40	0.941	0.264	637.5u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From PoE		
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming for 802.11n/ac in 5GHz	<input type="checkbox"/> Without beamforming
Test Software Version	Cart.exe		



## 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	Brian Sun	22°C / 54%	Oct. 21, 2017
Radiated below 1GHz	03CH01-CB	Brian Sun & Zero Chen & Cola Fan & Mason Chen	22°C / 54%	Sep. 28, 2017
Radiated above 1GHz	03CH01-CB	Brian Sun & Zero Chen & Cola Fan & Mason Chen	22°C / 54%	Oct. 17, 2017 ~ Oct. 23, 2017
AC Conduction	CO01-CB	Tony Chang	25°C / 60%	Oct. 03, 2017

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

## 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74 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)_3TX	-
2412MHz	20
2437MHz	24
2462MHz	23
802.11g_Nss1,(6Mbps)_3TX	-
2412MHz	20
2437MHz	24
2462MHz	19
802.11n HT20_Nss1,(MCS0)_3TX	-
2412MHz	17
2437MHz	25
2462MHz	17
802.11n HT40_Nss1,(MCS0)_3TX	-
2422MHz	16
2437MHz	20
2452MHz	16



## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	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.
Operating Mode < 1GHz	Normal Link
1	EUT in Y axis
2	EUT in Z axis
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	EUT in Y axis - WLAN 2.4GHz +WLAN 5GHz
2	EUT in Z axis - WLAN 2.4GHz +WLAN 5GHz
Mode 2 generated the worst test result, so it was recorded in this report.	
Refer to Appendix G for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA791517 for Co-location RF Exposure Evaluation.	

### 2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.



## 2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
PoE	tp-link	TL-POE2412G	Input: 100-240V, ~ 50/60Hz, 0.4A Output: 24V, 0.5A
Others			
power cable*1, non-shielded, 0.5m			

## 2.5 Support Equipment

For Test Site No: CO01-CB and 03CH01-CB (below 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	NB	DELL	E6430	DoC
3	NB	DELL	E6430	DoC

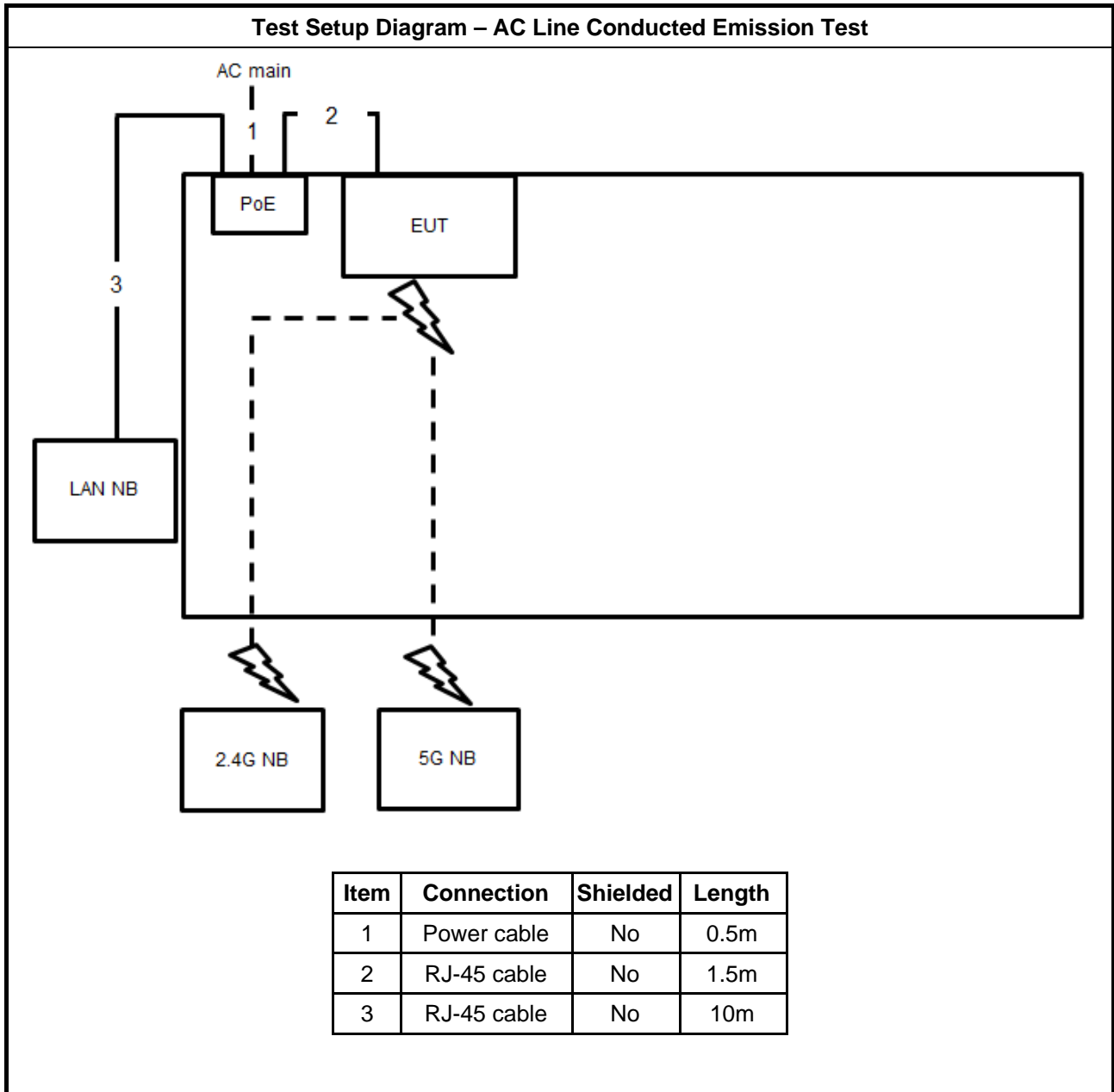
For Test Site No: 03CH01-CB (above 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC

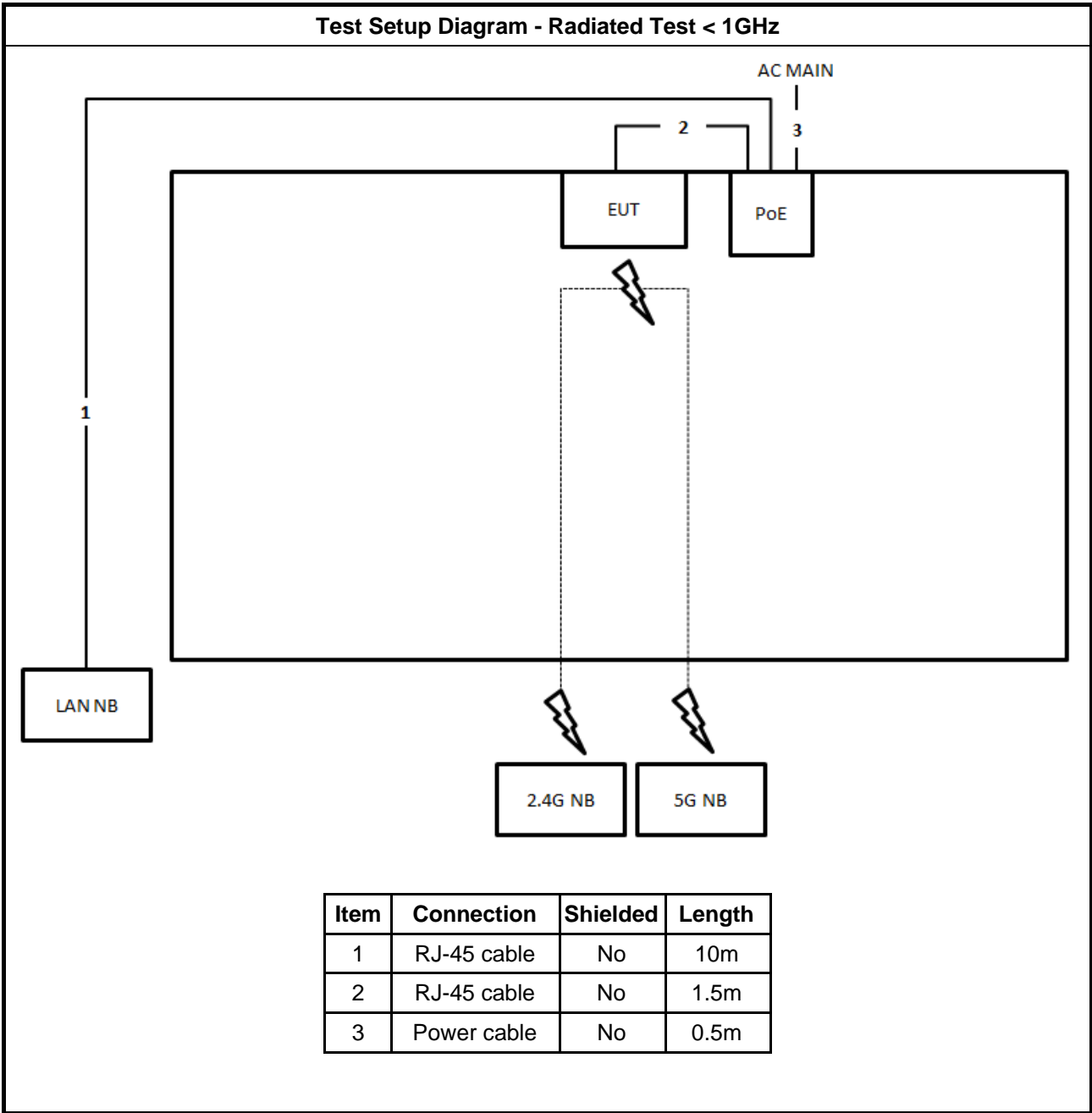
For Test Site No: TH01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC

## 2.6 Test Setup Diagram

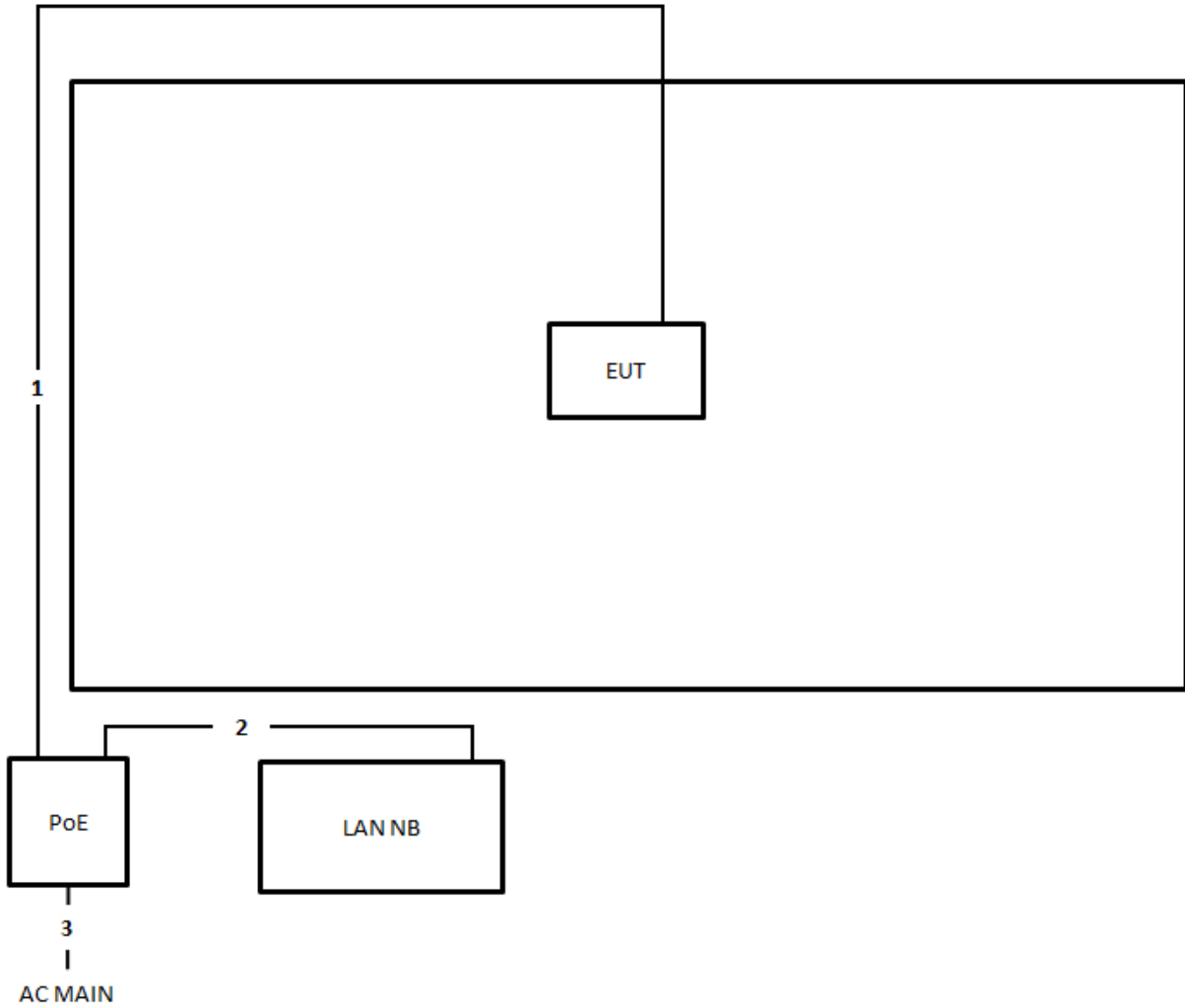


Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	Power cable	No	0.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	Power cable	No	0.5m





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

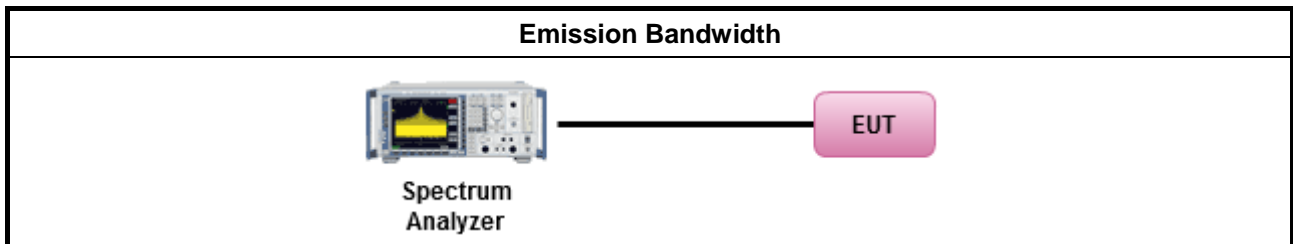
#### 3.2.2 Measuring Instruments

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 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
$P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi.	

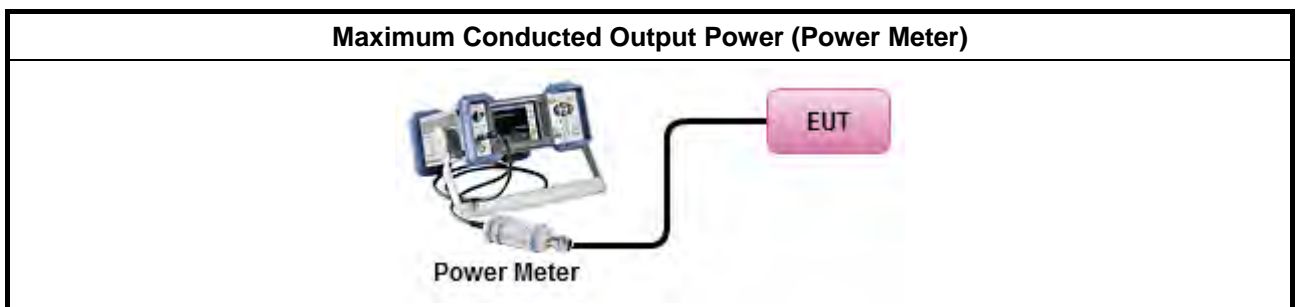
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ Maximum Peak Conducted Output Power</li> </ul>	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.1.2 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: 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>

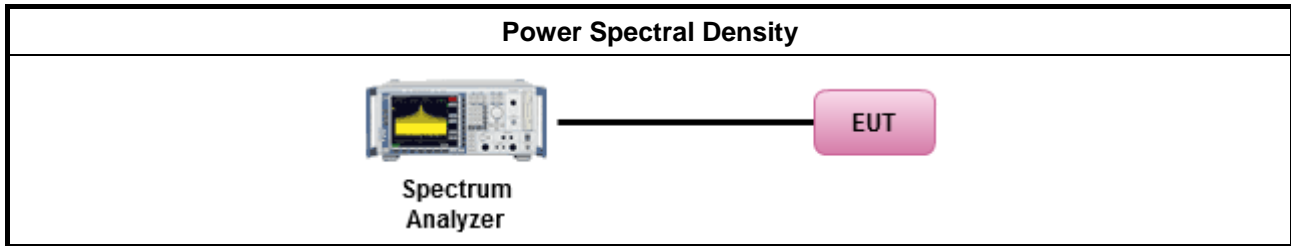
#### 3.4.2 Measuring Instruments

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 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak). [duty cycle $\geq$ 98% or external video / power trigger]
<input type="checkbox"/> Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).
<input type="checkbox"/> Refer as FCC KDB 558074, clause 10.4 Method AVGPSD-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 AVGPSD-1 Alt (spectral trace averaging).
<input type="checkbox"/> Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-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:           <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> <li> <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.               </li> </ul> </li> </ul>

### 3.4.4 Test Setup



### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

### 3.5 Emissions in Non-restricted Frequency Bands

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

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

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.

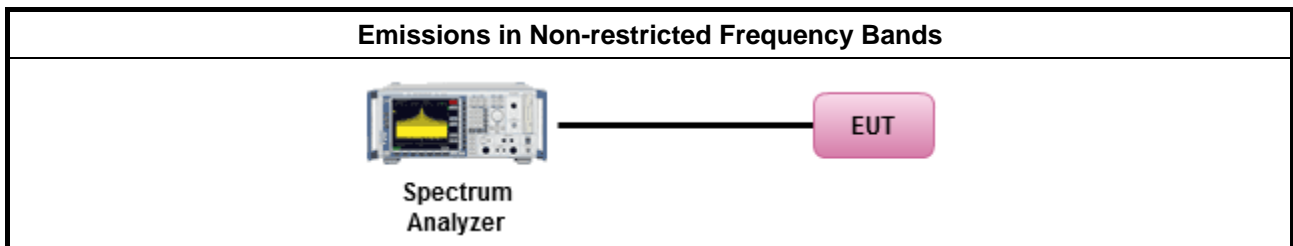
#### 3.5.2 Measuring Instruments

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 11 for unwanted emissions into non-restricted bands.</li> </ul>

#### 3.5.4 Test Setup



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

Refer as Appendix E

### 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

#### 3.6.2 Measuring Instruments

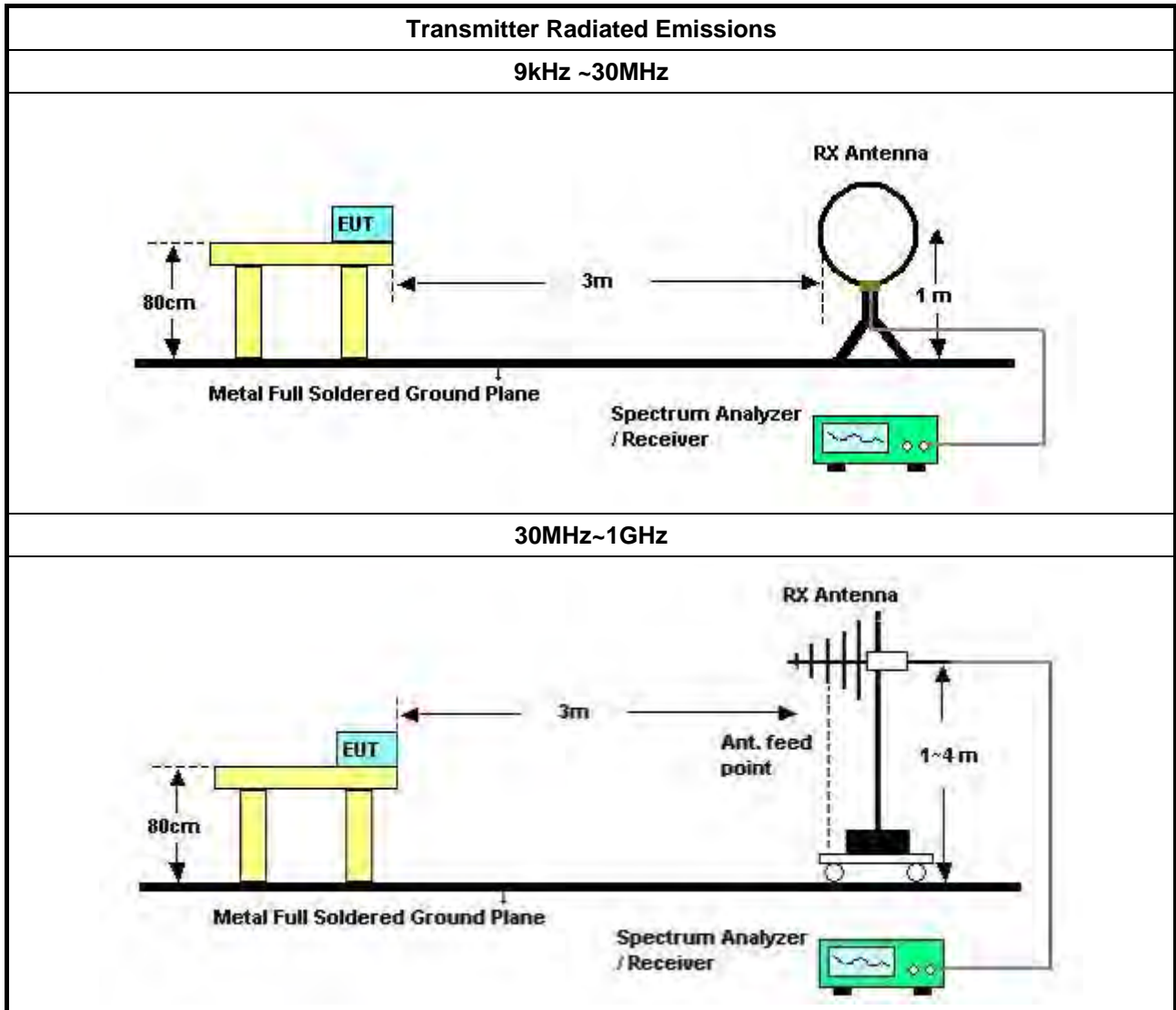
Refer a test equipment and calibration data table in this test report.

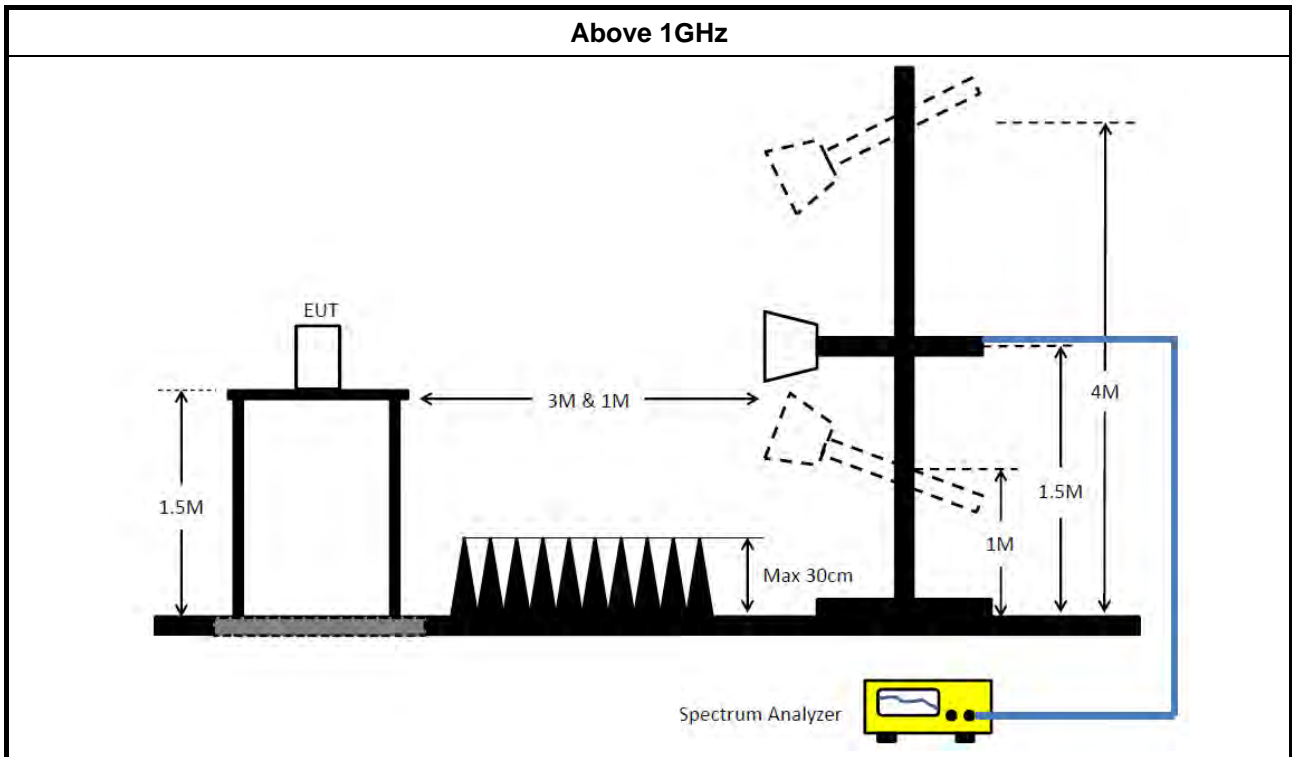
### 3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq 98</math> or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.</li> </ul>
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$ )
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$ ).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$ , where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).</li> </ul>
<ul style="list-style-type: none"> <li>▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ For conducted unwanted emissions into restricted bands (absolute emission limits). 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 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

### 3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F



## 4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Jan. 22, 2018	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz~ 00MHz	Dec. 14, 2016	Dec. 13, 2017	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Dec. 20, 2017	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz~18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Oct. 23, 2017	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)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	N/A	Radiation (03CH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	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. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

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

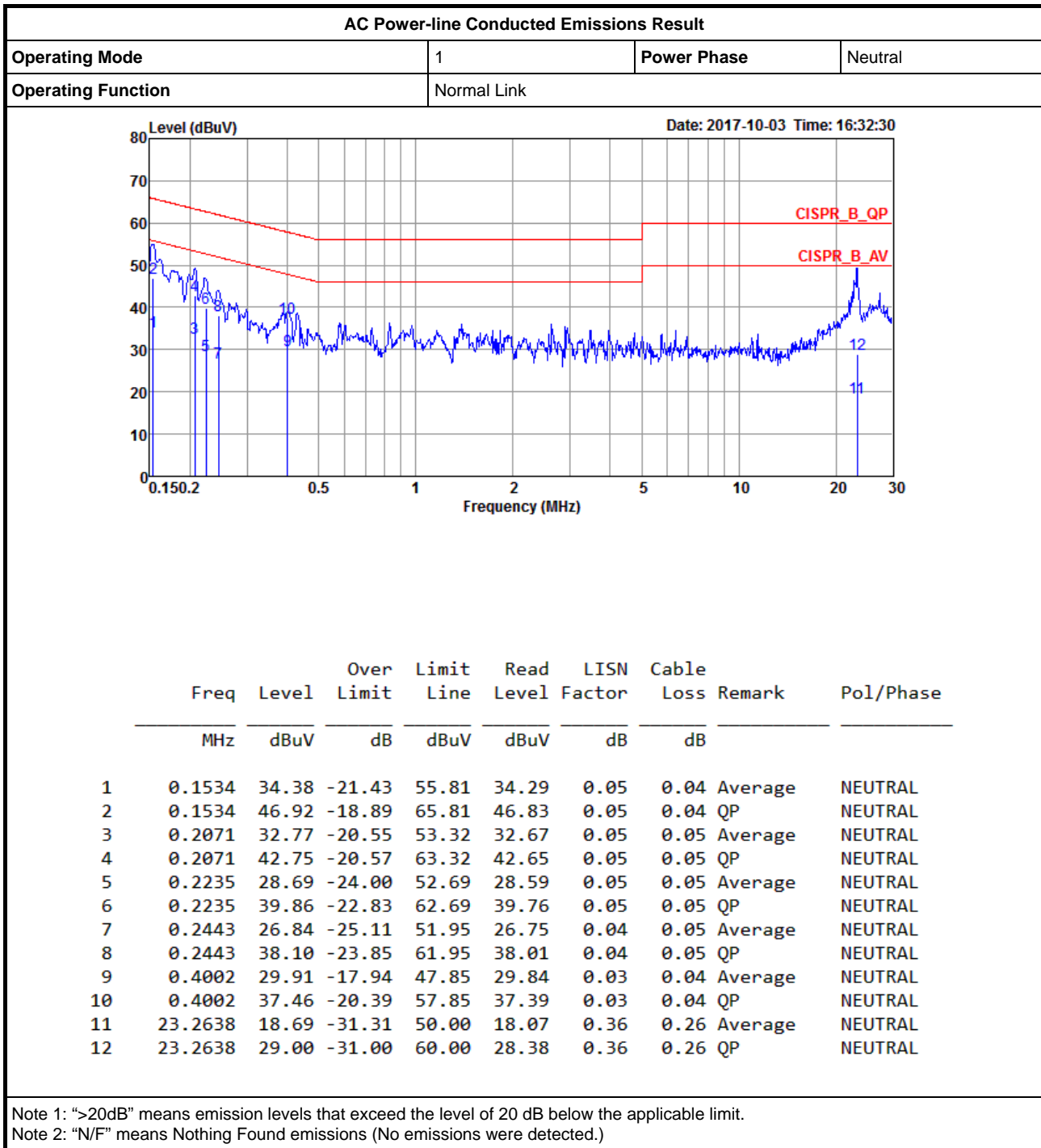
“\*” Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.



# AC Power-line Conducted Emissions Result

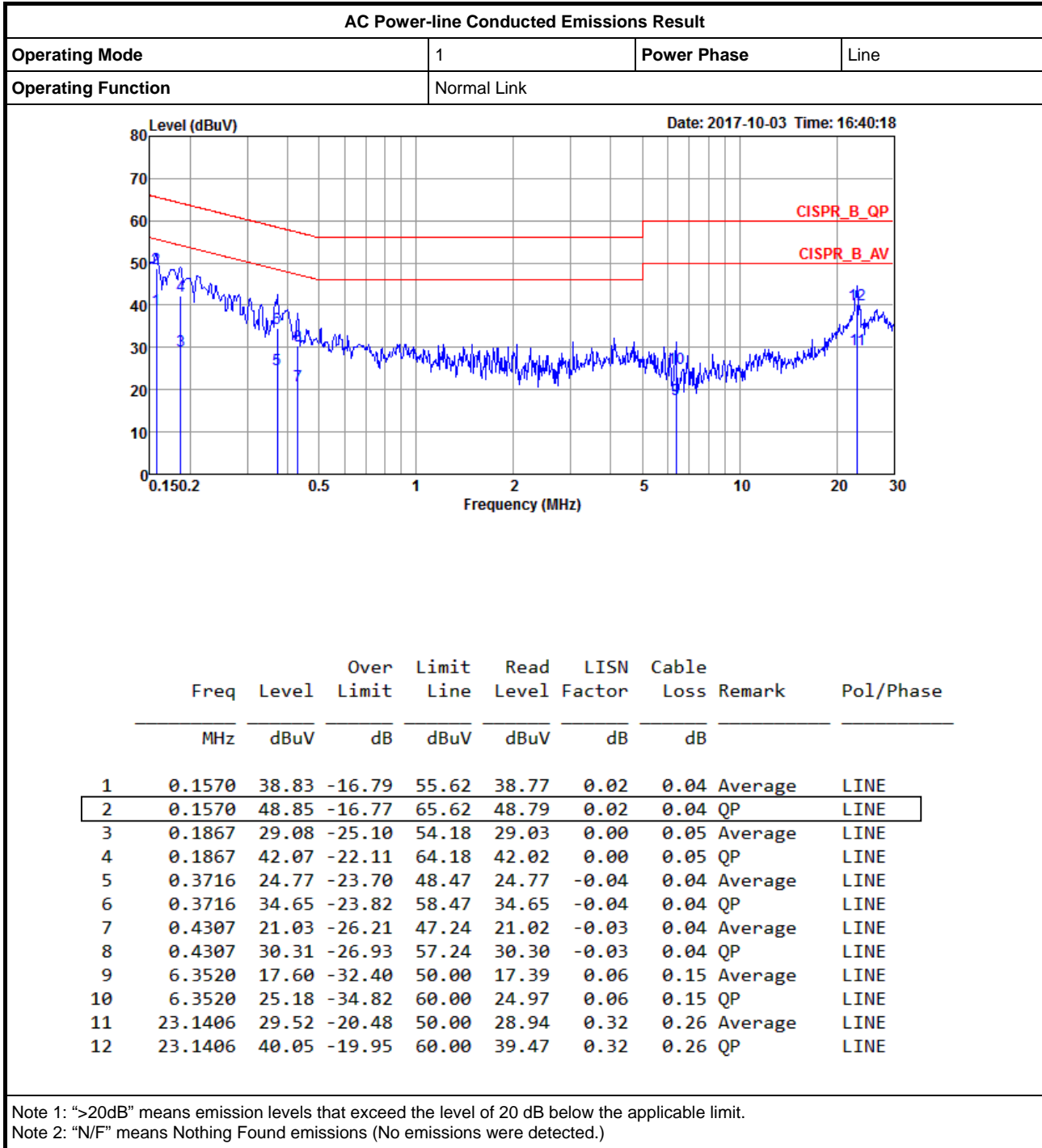
Appendix A





# AC Power-line Conducted Emissions Result

Appendix A





**Summary**

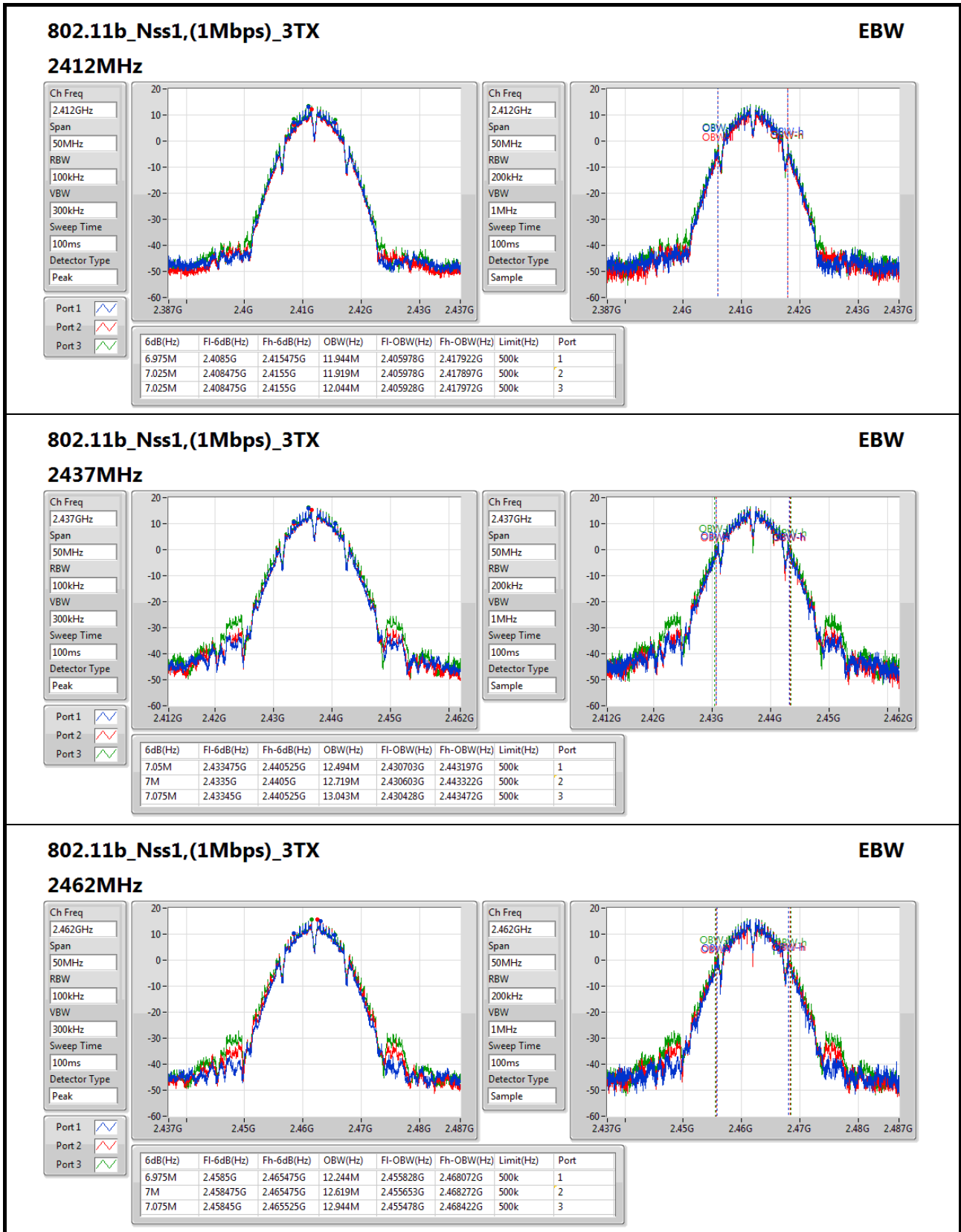
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_3TX	7.075M	13.043M	13M0G1D	6.975M	11.919M
802.11g_Nss1,(6Mbps)_3TX	15.1M	16.717M	16M7D1D	14.95M	16.192M
802.11n HT20_Nss1,(MCS0)_3TX	15.1M	18.916M	18M9D1D	13.375M	17.316M
802.11n HT40_Nss1,(MCS0)_3TX	33.75M	35.832M	35M8D1D	28.8M	35.682M

**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;

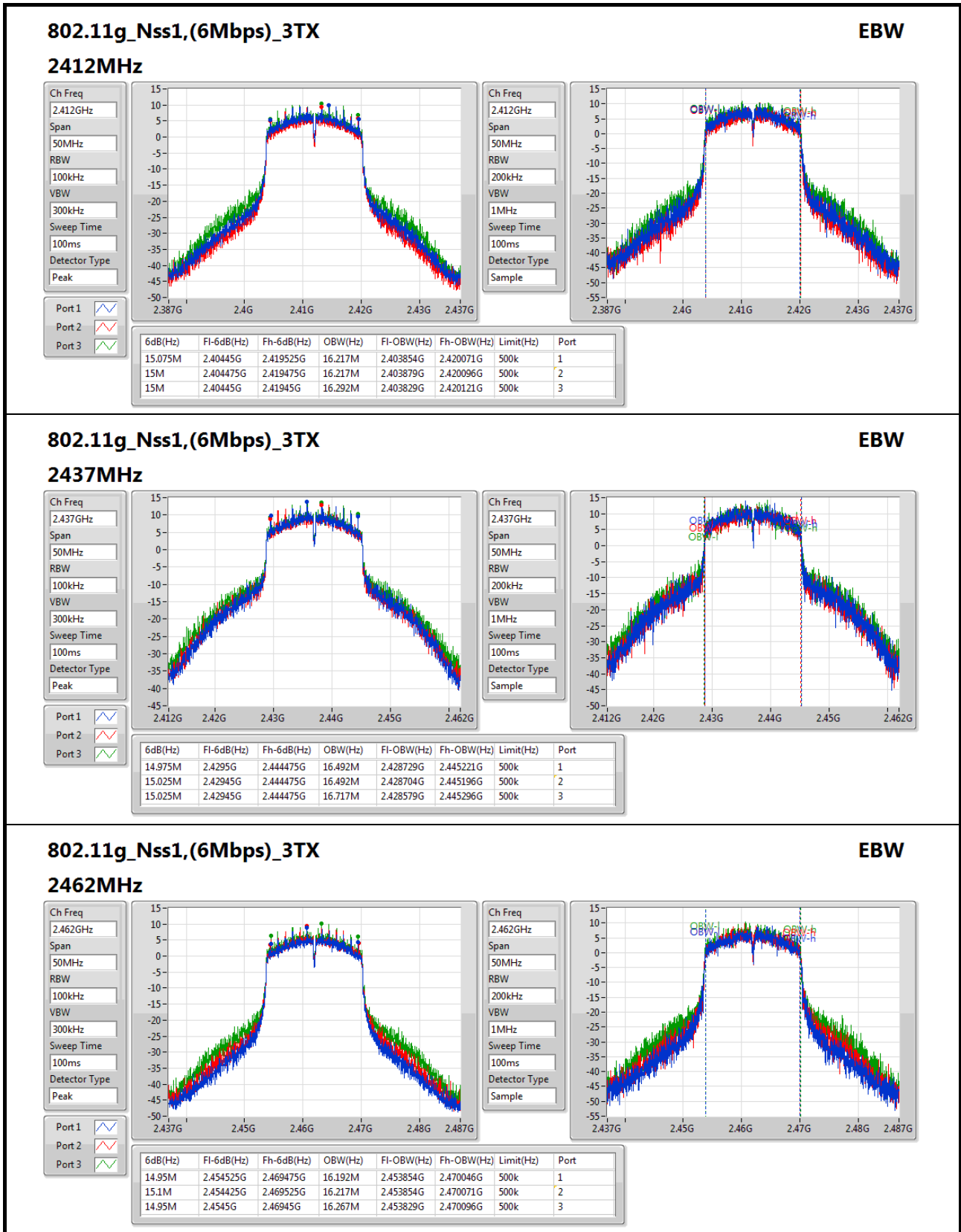
**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	6.975M	11.944M	7.025M	11.919M	7.025M	12.044M
2437MHz	Pass	500k	7.05M	12.494M	7M	12.719M	7.075M	13.043M
2462MHz	Pass	500k	6.975M	12.244M	7M	12.619M	7.075M	12.944M
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.075M	16.217M	15M	16.217M	15M	16.292M
2437MHz	Pass	500k	14.975M	16.492M	15.025M	16.492M	15.025M	16.717M
2462MHz	Pass	500k	14.95M	16.192M	15.1M	16.217M	14.95M	16.267M
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.075M	17.366M	14.95M	17.391M	15.05M	17.366M
2437MHz	Pass	500k	15.1M	17.791M	15M	17.766M	15M	18.916M
2462MHz	Pass	500k	13.375M	17.316M	15.025M	17.391M	14.95M	17.391M
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	32.55M	35.732M	30.05M	35.732M	28.8M	35.732M
2437MHz	Pass	500k	30M	35.732M	31.25M	35.832M	30.05M	35.782M
2452MHz	Pass	500k	28.8M	35.682M	33.75M	35.832M	30.05M	35.732M

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





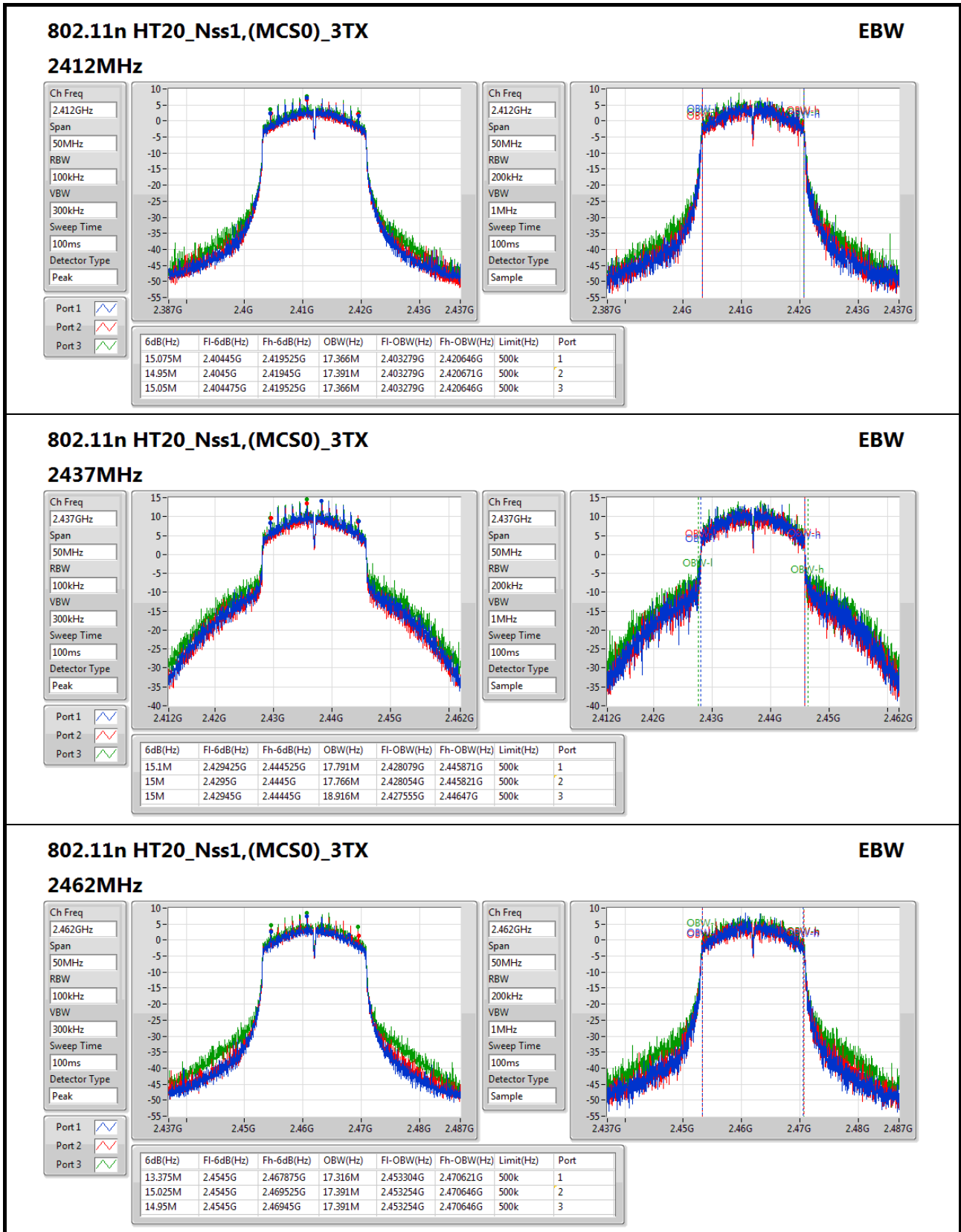

**802.11g\_Nss1,(6Mbps)\_3TX**
**EBW**

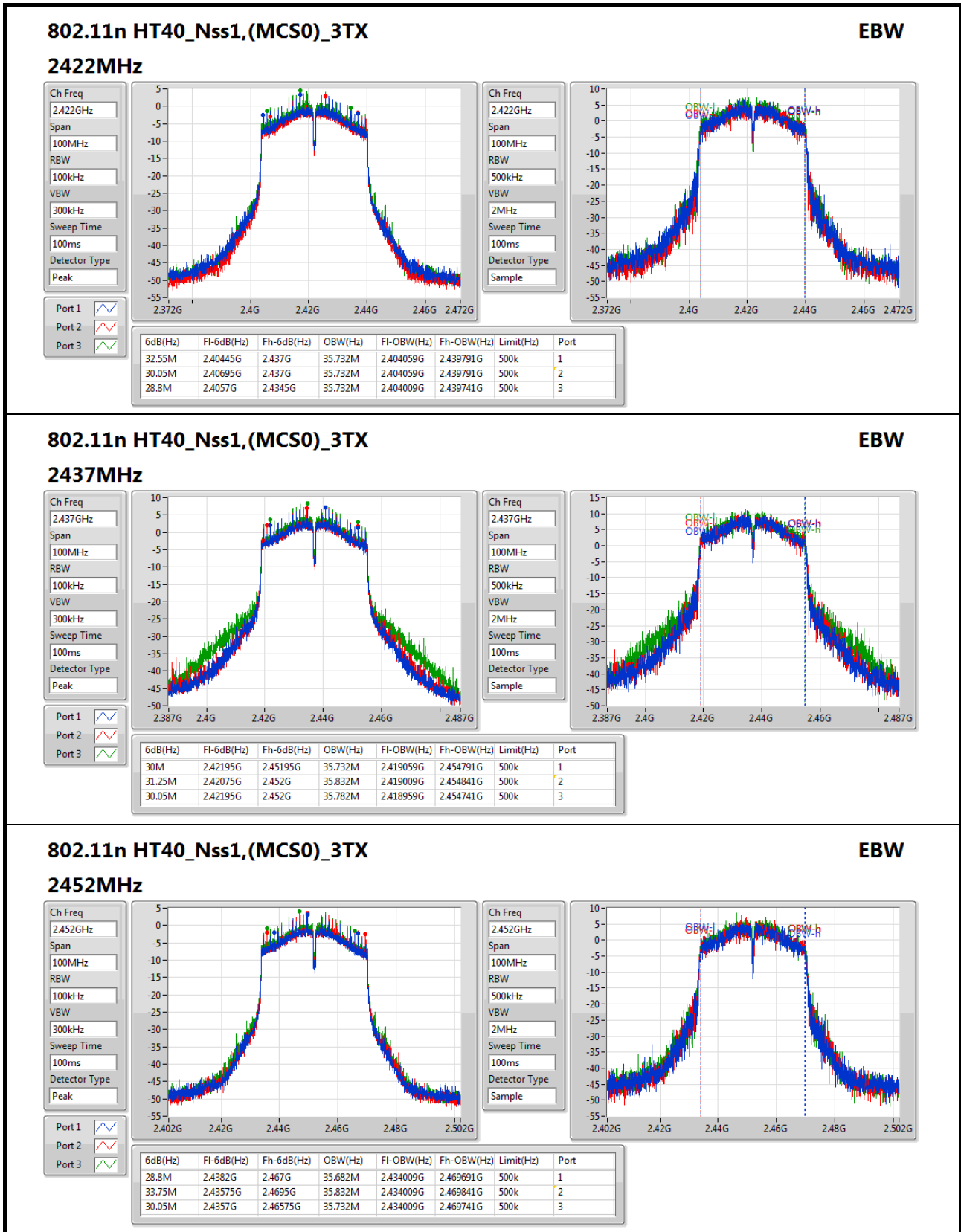
**2462MHz**

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

Port 1:   
Port 2:   
Port 3:

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







Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_3TX	29.20	0.83176
802.11g_Nss1,(6Mbps)_3TX	29.10	0.81283
802.11n HT20_Nss1,(MCS0)_3TX	29.59	0.90991
802.11n HT40_Nss1,(MCS0)_3TX	25.40	0.34674

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	4.00	21.37	20.73	21.87	26.12	30.00
2437MHz	Pass	4.00	24.58	23.95	24.73	29.20	30.00
2462MHz	Pass	4.00	23.62	23.71	24.26	28.64	30.00
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	4.00	20.97	20.48	21.65	25.83	30.00
2437MHz	Pass	4.00	24.25	24.03	24.67	29.10	30.00
2462MHz	Pass	4.00	20.12	20.38	21.31	25.41	30.00
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	4.00	17.86	17.45	18.81	22.85	30.00
2437MHz	Pass	4.00	24.87	24.46	25.11	29.59	30.00
2462MHz	Pass	4.00	18.14	18.23	19.26	23.35	30.00
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	4.00	16.24	16.03	17.13	21.26	30.00
2437MHz	Pass	4.00	20.47	20.31	21.06	25.40	30.00
2452MHz	Pass	4.00	16.45	16.41	17.48	21.58	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_3TX	4.81
802.11g_Nss1,(6Mbps)_3TX	2.29
802.11n HT20_Nss1,(MCS0)_3TX	2.08
802.11n HT40_Nss1,(MCS0)_3TX	-4.56

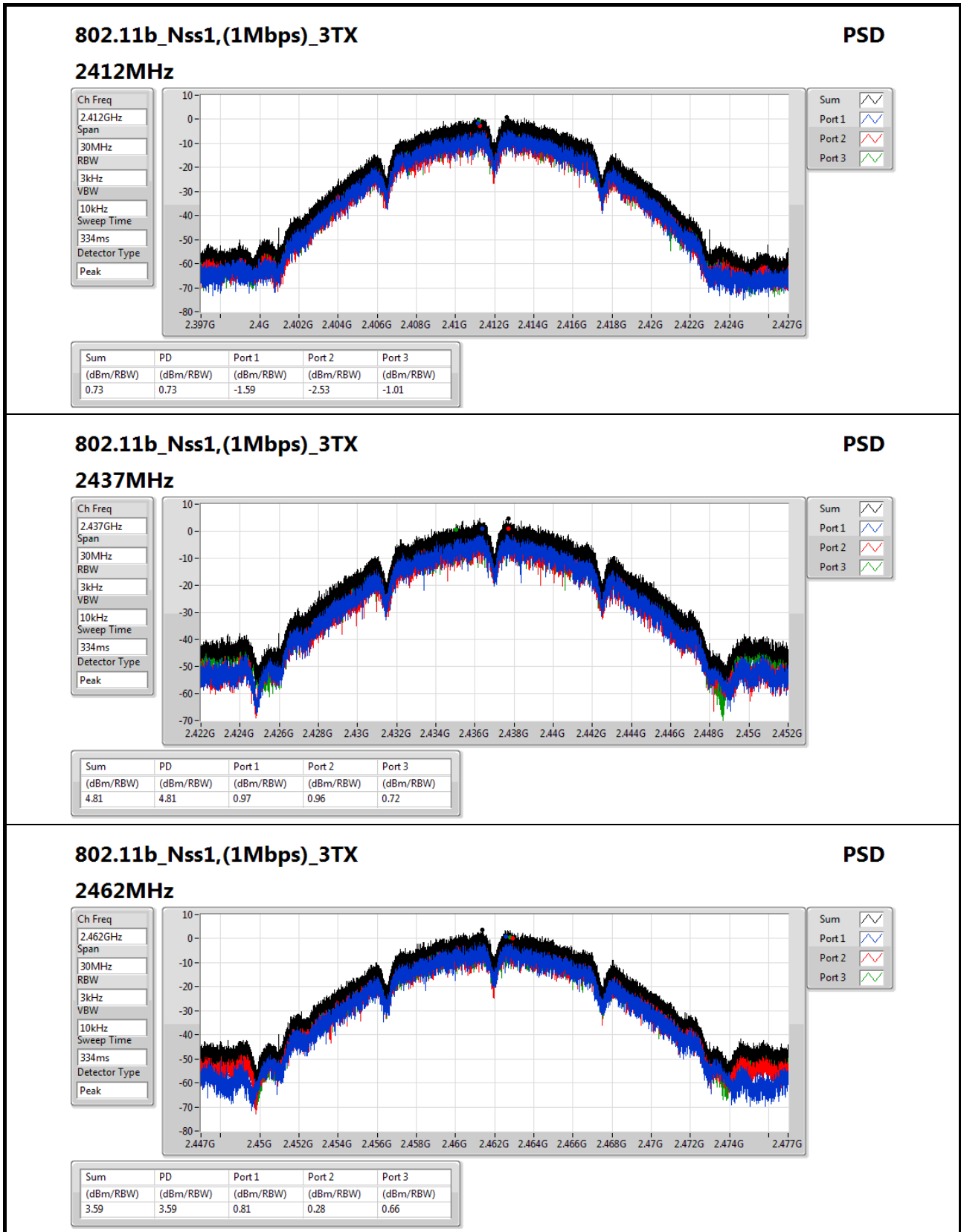
RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	8.77	-1.59	-2.53	-1.01	0.73	5.23
2437MHz	Pass	8.77	0.97	0.96	0.72	4.81	5.23
2462MHz	Pass	8.77	0.81	0.28	0.66	3.59	5.23
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	8.77	-4.60	-4.96	-3.21	-1.23	5.23
2437MHz	Pass	8.77	-0.53	-1.93	-1.24	2.29	5.23
2462MHz	Pass	8.77	-5.57	-4.78	-4.50	-1.94	5.23
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	8.77	-7.19	-8.78	-6.35	-4.18	5.23
2437MHz	Pass	8.77	-0.13	-0.98	0.40	2.08	5.23
2462MHz	Pass	8.77	-7.43	-6.81	-5.64	-4.03	5.23
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	8.77	-11.51	-11.87	-9.39	-8.19	5.23
2437MHz	Pass	8.77	-7.64	-7.80	-7.29	-4.56	5.23
2452MHz	Pass	8.77	-10.72	-11.33	-10.12	-7.68	5.23

DG = Directional Gain; RBW=3kHz;

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


**802.11b\_Nss1,(1Mbps)\_3TX**
**PSD**

**2462MHz**

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
334ms

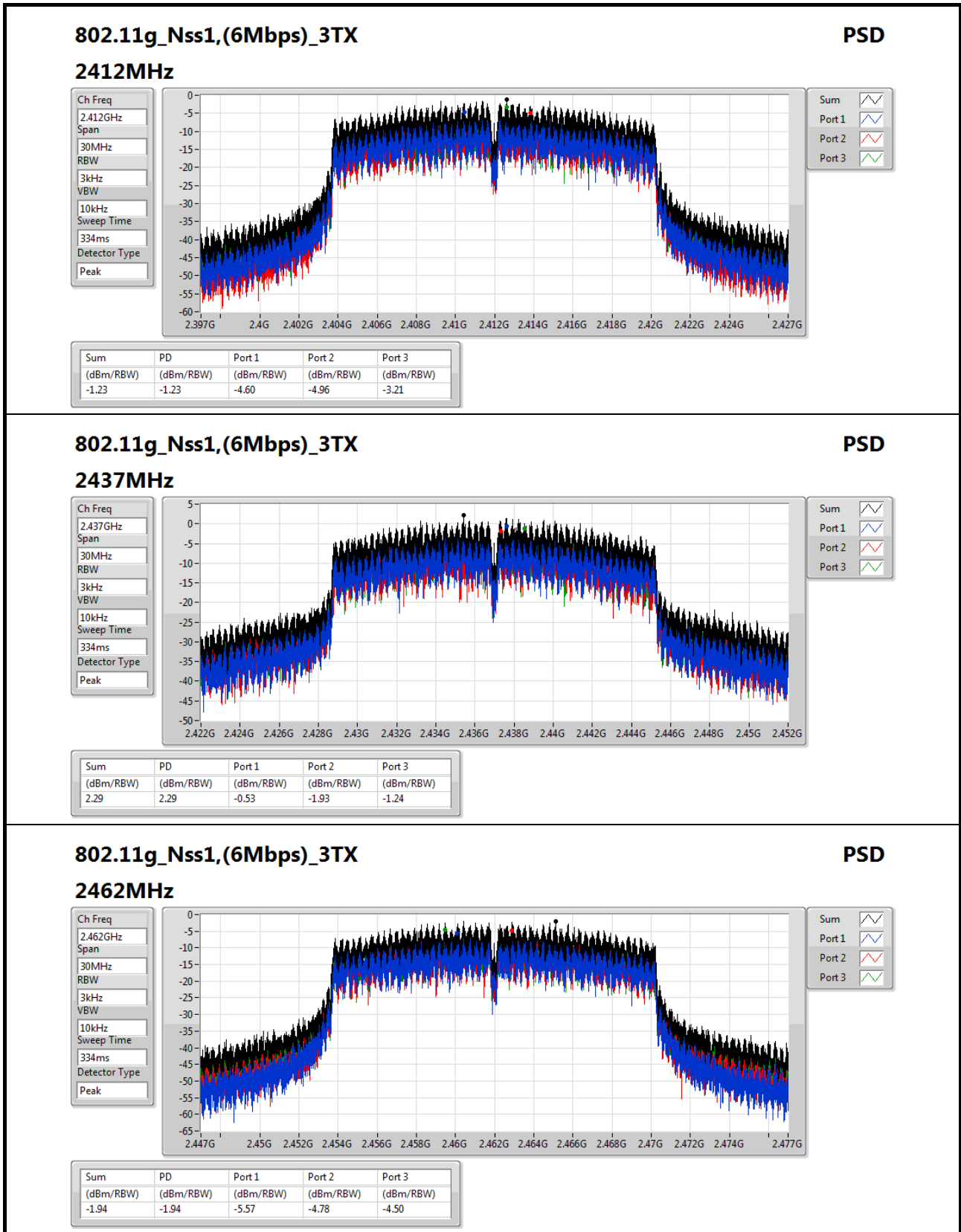
Detector Type  
Peak

Sum

Port 1

Port 2

Port 3



### 802.11g\_Nss1,(6Mbps)\_3TX

#### 2462MHz

### PSD

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
334ms

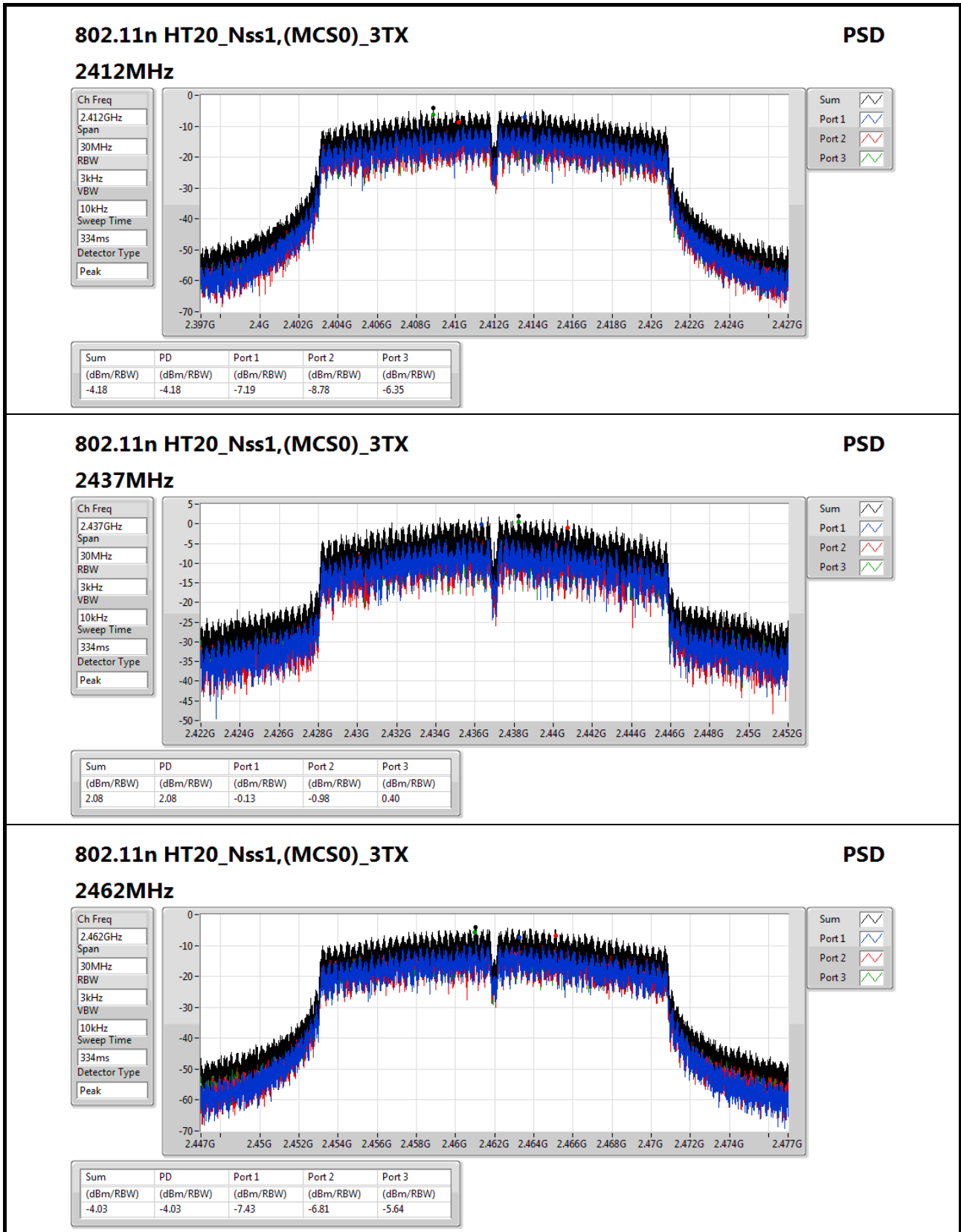
Detector Type  
Peak

Sum

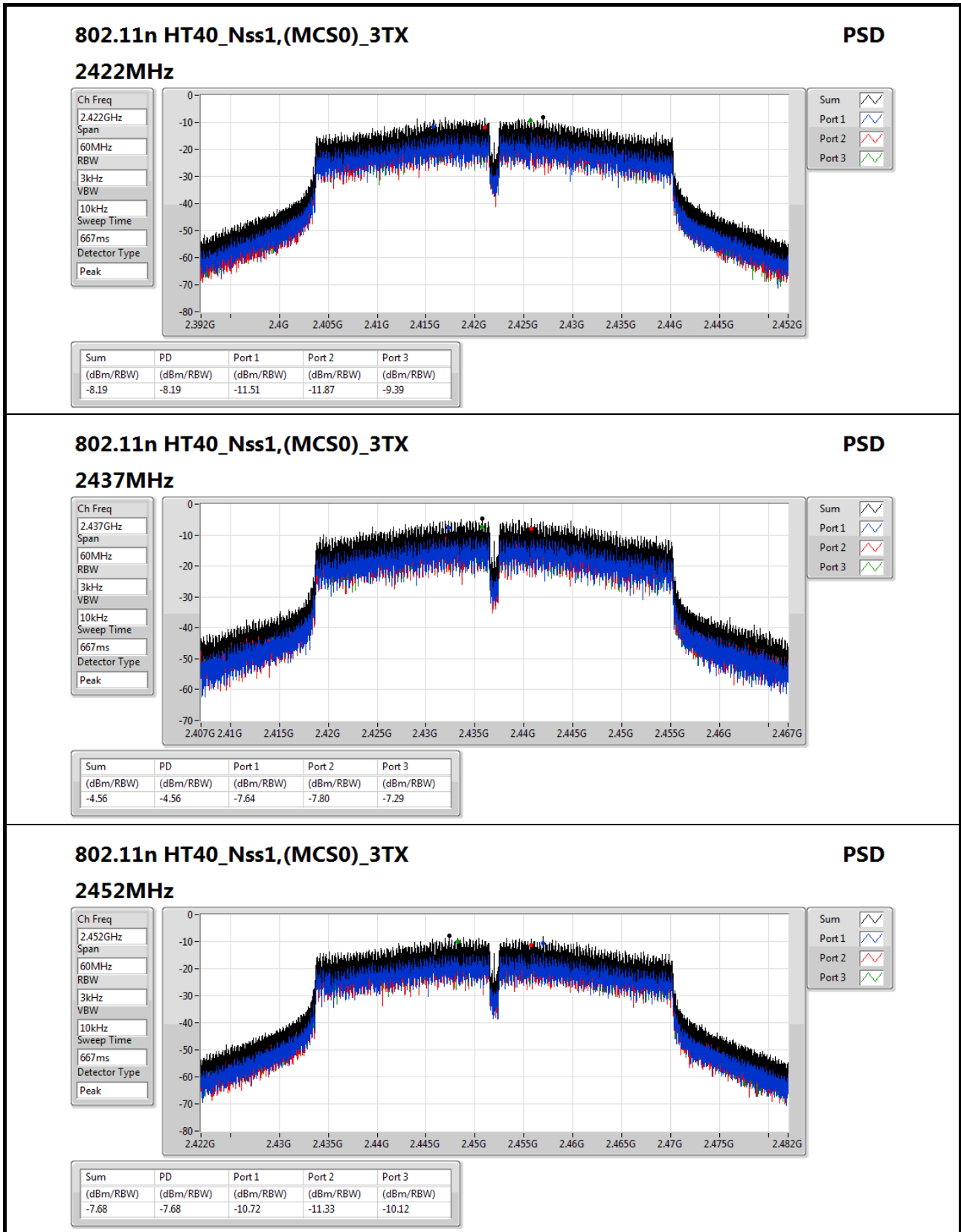
Port 1

Port 2

Port 3









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)_3TX	Pass	2.437408G	15.78	-14.22	2.309905G	-53.53	2.39752G	-37.90	2.50102G	-55.20	7.235136G	-45.84	3
802.11g_Nss1,(6Mbps)_3TX	Pass	2.438243G	13.19	-16.81	2.302915G	-48.32	2.39952G	-19.82	2.49206G	-50.65	3.214652G	-45.91	3
802.11n HT20_Nss1,(MCS0)_3TX	Pass	2.433233G	12.78	-17.22	2.305245G	-54.16	2.39976G	-29.64	2.48542G	-54.54	16.678076G	-51.26	3
802.11n HT40_Nss1,(MCS0)_3TX	Pass	2.441917G	8.01	-21.99	1.936425G	-53.78	2.39984G	-28.86	2.48574G	-54.44	16.681668G	-50.72	3

Result

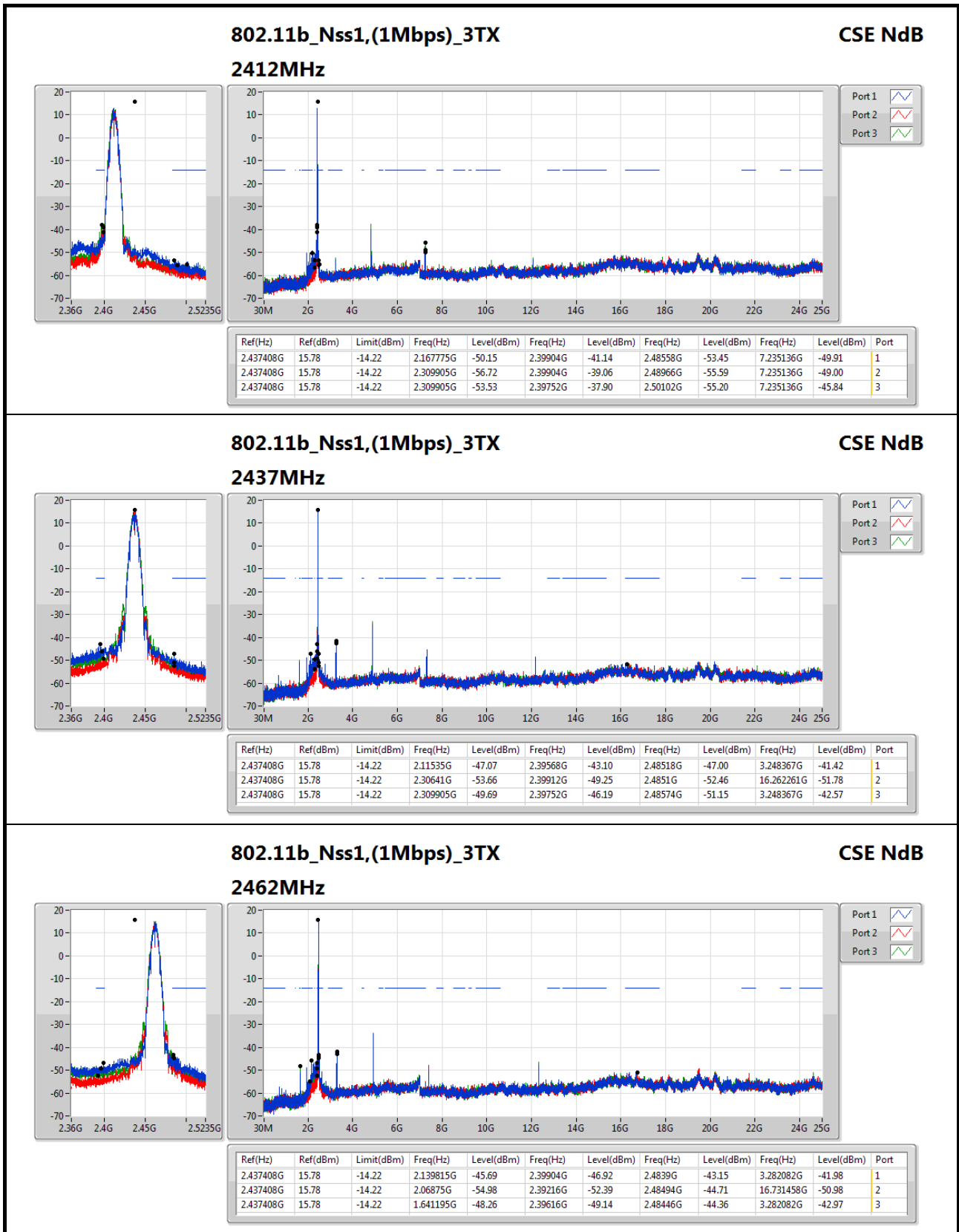
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.437408G	15.78	-14.22	2.167775G	-50.15	2.39904G	-41.14	2.48558G	-53.45	7.235136G	-49.91	1
2412MHz	Pass	2.437408G	15.78	-14.22	2.309905G	-56.72	2.39904G	-39.06	2.48966G	-55.59	7.235136G	-49.00	2
2412MHz	Pass	2.437408G	15.78	-14.22	2.309905G	-53.53	2.39752G	-37.90	2.50102G	-55.20	7.235136G	-45.84	3
2437MHz	Pass	2.437408G	15.78	-14.22	2.11535G	-47.07	2.39568G	-43.10	2.48518G	-47.00	3.248367G	-41.42	1
2437MHz	Pass	2.437408G	15.78	-14.22	2.30641G	-53.66	2.39912G	-49.25	2.4851G	-52.46	16.262261G	-51.78	2
2437MHz	Pass	2.437408G	15.78	-14.22	2.309905G	-49.69	2.39752G	-46.19	2.48574G	-51.15	3.248367G	-42.57	3
2462MHz	Pass	2.437408G	15.78	-14.22	2.139815G	-45.69	2.39904G	-46.92	2.4839G	-43.15	3.282082G	-41.98	1
2462MHz	Pass	2.437408G	15.78	-14.22	2.06875G	-54.98	2.39216G	-52.39	2.48494G	-44.71	16.731458G	-50.98	2
2462MHz	Pass	2.437408G	15.78	-14.22	1.641195G	-48.26	2.39616G	-49.14	2.48446G	-44.36	3.282082G	-42.97	3
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	13.19	-16.81	1.94992G	-47.09	2.39976G	-21.35	2.49622G	-49.90	3.214652G	-45.88	1
2412MHz	Pass	2.438243G	13.19	-16.81	2.30641G	-54.72	2.39976G	-22.72	2.4991G	-52.63	16.700552G	-51.62	2
2412MHz	Pass	2.438243G	13.19	-16.81	2.302915G	-48.32	2.39952G	-19.82	2.49206G	-50.65	3.214652G	-45.91	3
2437MHz	Pass	2.438243G	13.19	-16.81	2.11768G	-47.69	2.39512G	-40.72	2.48534G	-45.30	3.248367G	-41.22	1
2437MHz	Pass	2.438243G	13.19	-16.81	2.18758G	-50.67	2.39824G	-41.49	2.4883G	-45.14	3.248367G	-42.66	2
2437MHz	Pass	2.438243G	13.19	-16.81	2.302915G	-50.86	2.39136G	-41.61	2.48406G	-45.92	3.248367G	-44.07	3
2462MHz	Pass	2.438243G	13.19	-16.81	2.300585G	-47.48	2.39912G	-47.83	2.48422G	-41.92	3.282082G	-45.98	1
2462MHz	Pass	2.438243G	13.19	-16.81	2.300585G	-54.41	2.39144G	-50.42	2.48366G	-40.78	16.340928G	-52.47	2
2462MHz	Pass	2.438243G	13.19	-16.81	2.30641G	-50.50	2.39416G	-47.85	2.48358G	-35.93	3.282082G	-45.68	3
802.11n HT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.433233G	12.78	-17.22	1.94992G	-49.15	2.39952G	-30.63	2.4927G	-53.32	16.658409G	-50.65	1
2412MHz	Pass	2.433233G	12.78	-17.22	2.307575G	-55.93	2.39808G	-32.90	2.5011G	-55.38	16.680885G	-50.90	2
2412MHz	Pass	2.433233G	12.78	-17.22	2.305245G	-54.16	2.39976G	-29.64	2.48542G	-54.54	16.678076G	-51.26	3
2437MHz	Pass	2.433233G	12.78	-17.22	2.109525G	-46.37	2.39856G	-39.33	2.48494G	-45.62	3.248367G	-41.90	1
2437MHz	Pass	2.433233G	12.78	-17.22	2.302915G	-48.37	2.3996G	-39.33	2.4851G	-45.94	3.248367G	-42.83	2
2437MHz	Pass	2.433233G	12.78	-17.22	2.307575G	-49.96	2.39984G	-38.09	2.48894G	-41.80	3.248367G	-44.12	3
2462MHz	Pass	2.433233G	12.78	-17.22	1.94992G	-49.14	2.3992G	-51.64	2.48486G	-44.55	15.290152G	-52.39	1
2462MHz	Pass	2.433233G	12.78	-17.22	2.30408G	-53.86	2.39368G	-49.58	2.48382G	-38.35	16.39431G	-52.19	2
2462MHz	Pass	2.433233G	12.78	-17.22	2.307575G	-50.39	2.39104G	-47.74	2.48534G	-39.77	3.282082G	-49.11	3
802.11n HT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.441917G	8.01	-21.99	1.950165G	-52.25	2.39792G	-30.82	2.50622G	-54.47	16.359143G	-52.40	1
2422MHz	Pass	2.441917G	8.01	-21.99	2.10016G	-58.01	2.39856G	-31.84	2.49806G	-54.99	16.690081G	-51.61	2
2422MHz	Pass	2.441917G	8.01	-21.99	1.936425G	-53.78	2.39984G	-28.86	2.48574G	-54.44	16.681668G	-50.72	3
2437MHz	Pass	2.441917G	8.01	-21.99	2.11619G	-48.24	2.39952G	-38.55	2.48654G	-46.72	3.247813G	-50.94	1
2437MHz	Pass	2.441917G	8.01	-21.99	2.15054G	-53.81	2.39936G	-37.08	2.4859G	-45.93	3.247813G	-48.63	2
2437MHz	Pass	2.441917G	8.01	-21.99	2.309695G	-53.65	2.39968G	-32.58	2.48446G	-40.61	16.7013G	-52.20	3
2452MHz	Pass	2.441917G	8.01	-21.99	1.950165G	-50.53	2.39616G	-48.77	2.48414G	-46.44	16.715322G	-52.08	1
2452MHz	Pass	2.441917G	8.01	-21.99	2.17344G	-57.41	2.39696G	-53.02	2.48414G	-46.08	16.389993G	-52.09	2

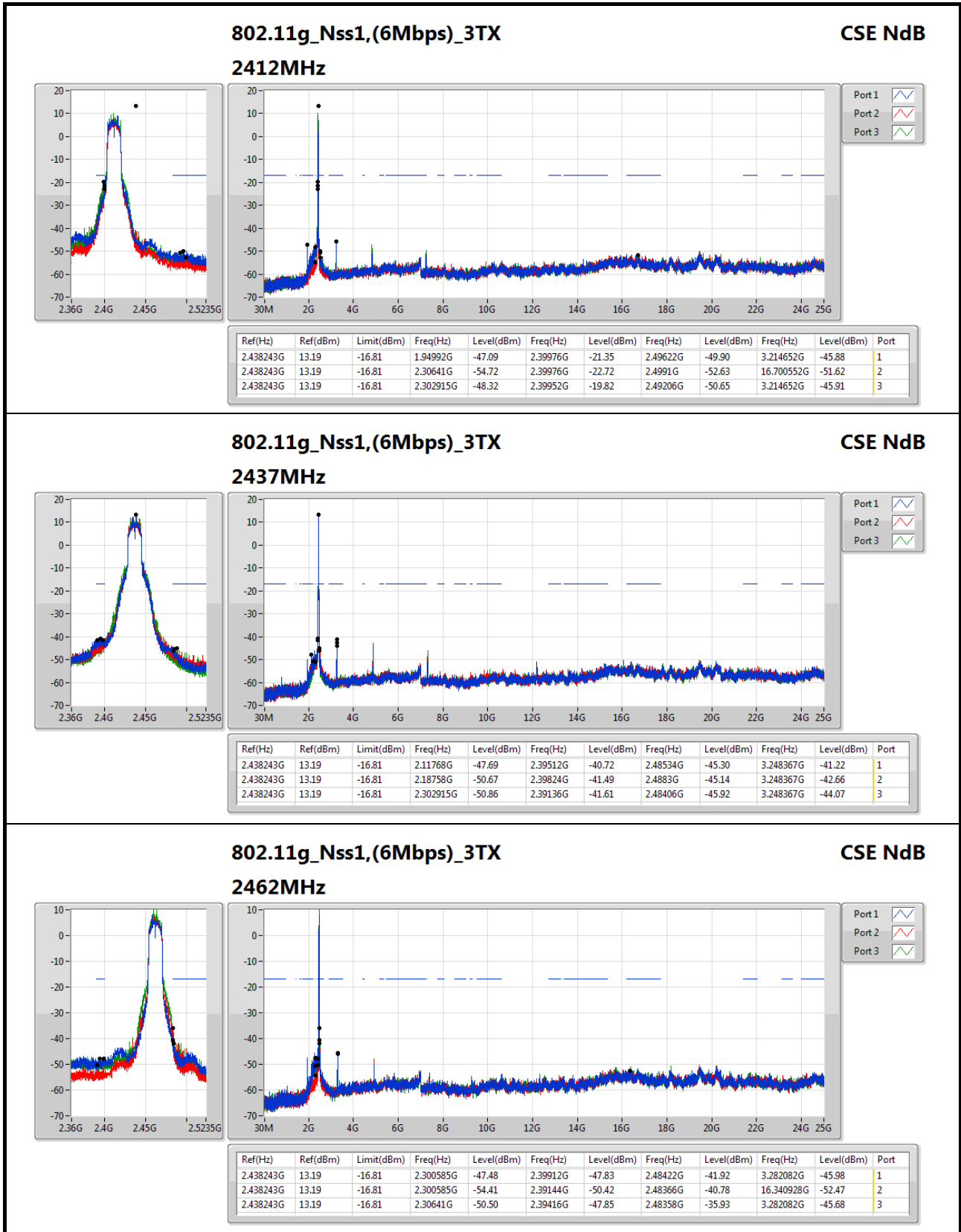


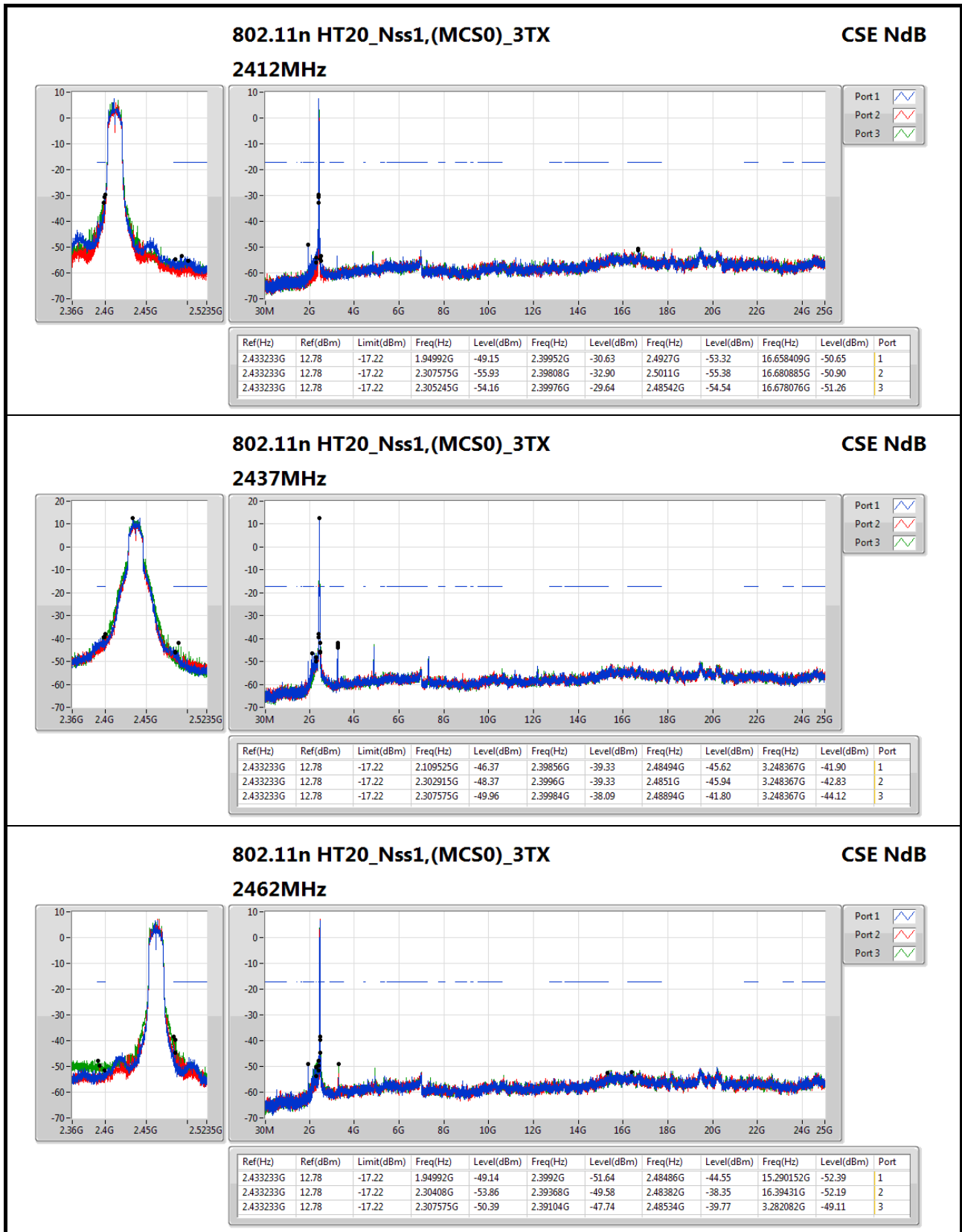
## CSE Non-restricted Band Result

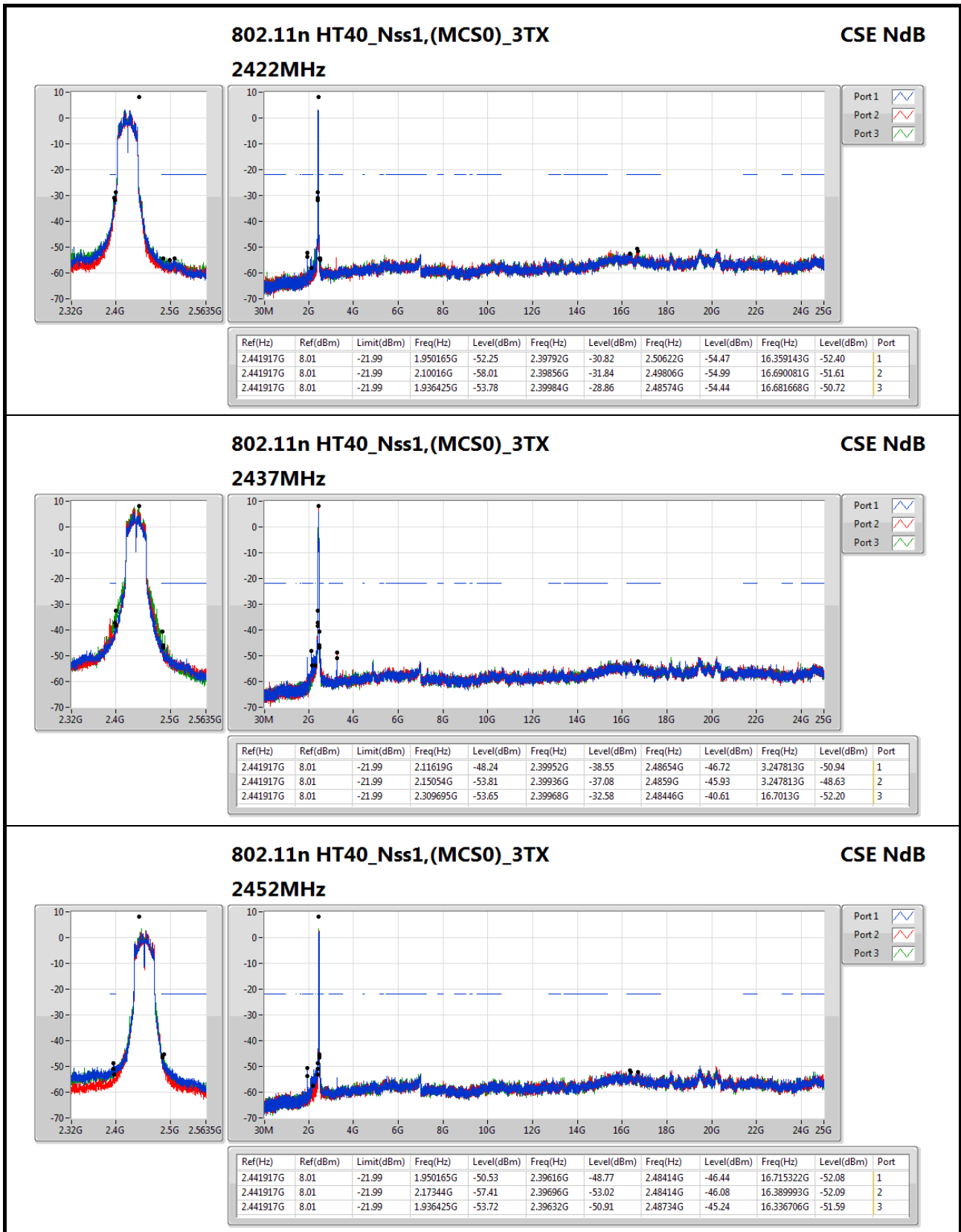
Appendix E

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
2452MHz	Pass	2.441917G	8.01	-21.99	1.936425G	-53.72	2.39632G	-50.91	2.48734G	-45.24	16.336706G	-51.59	3





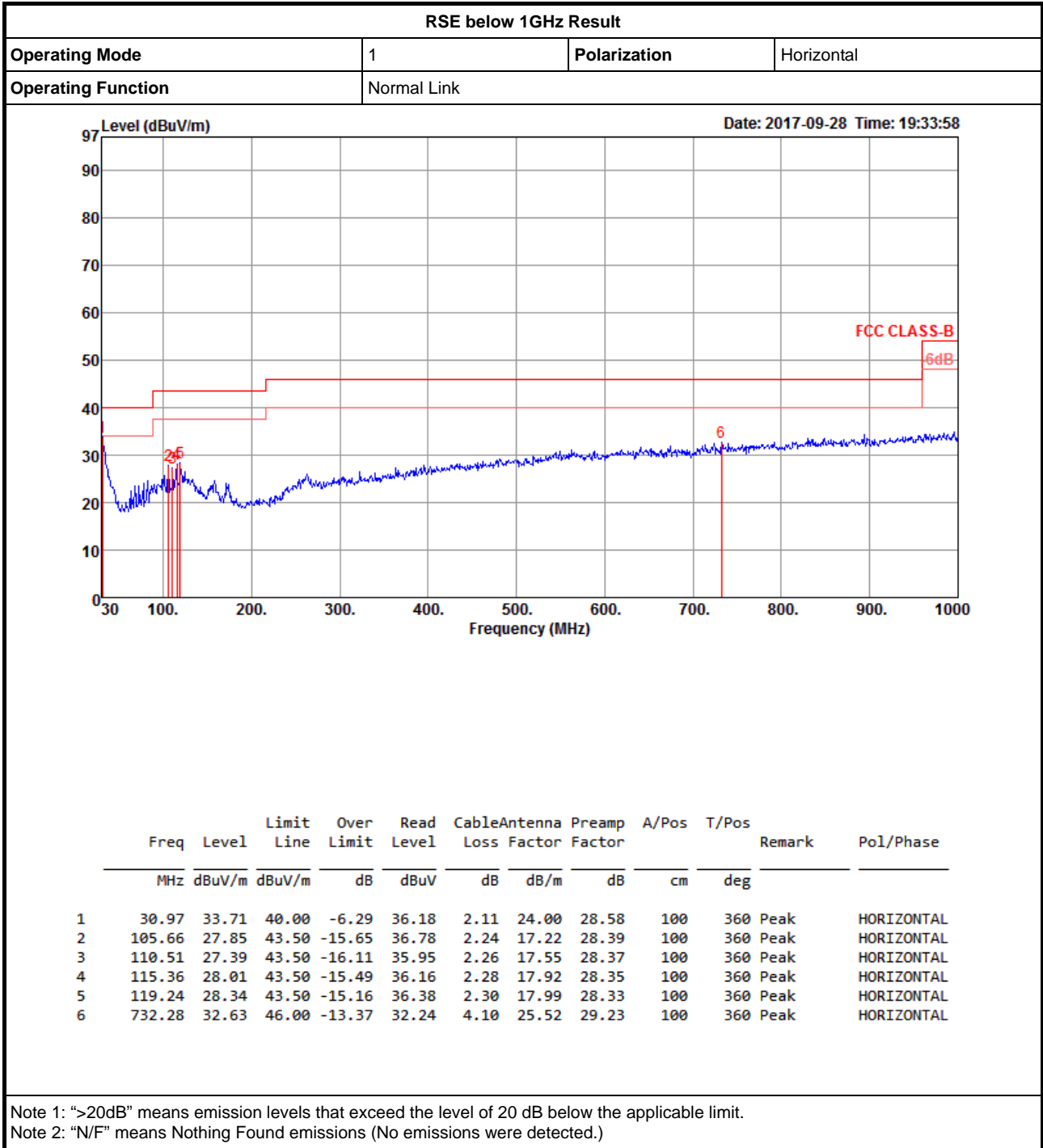






# RSE below 1GHz Result

Appendix F.1

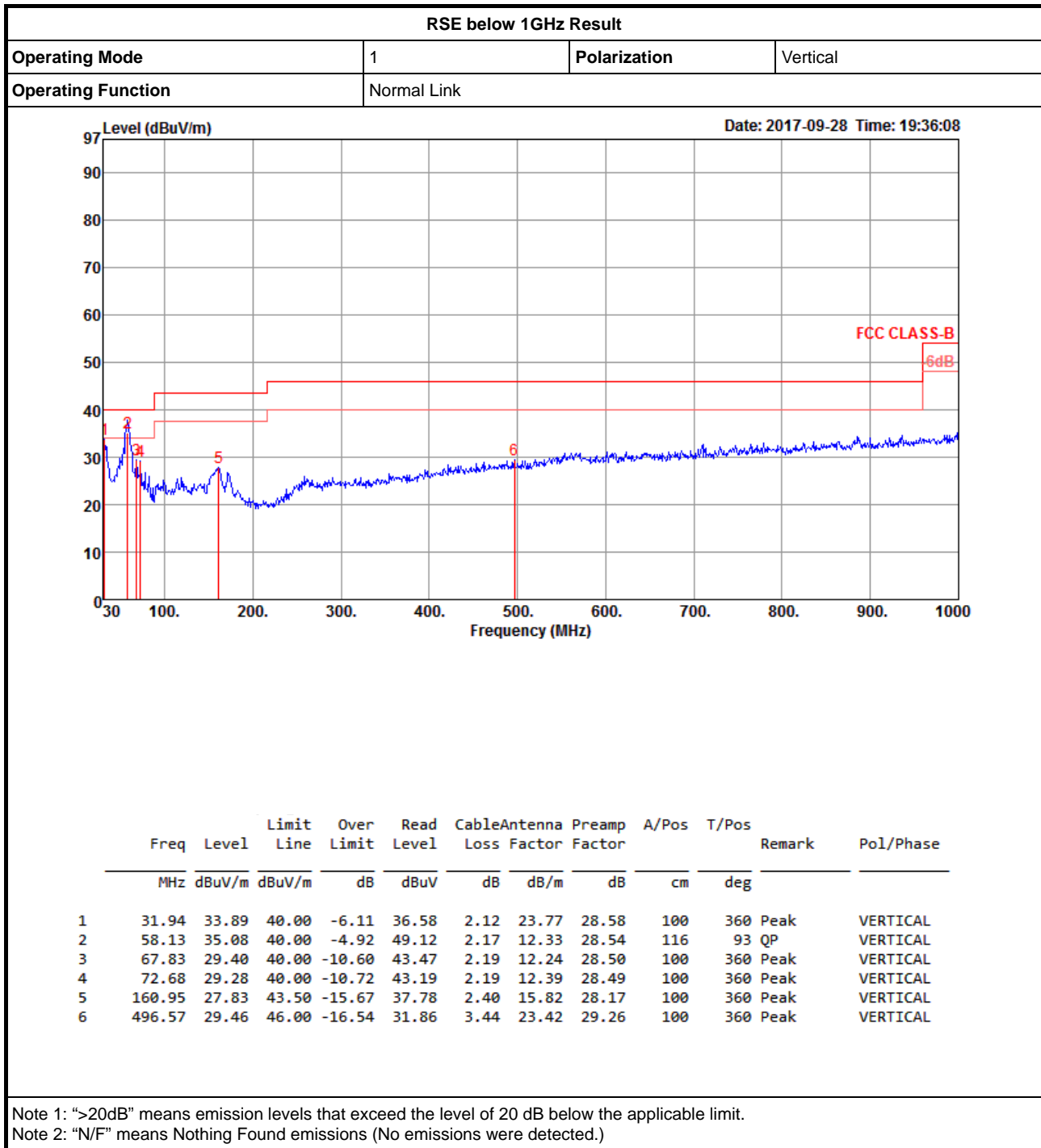






# RSE below 1GHz Result

Appendix F.1



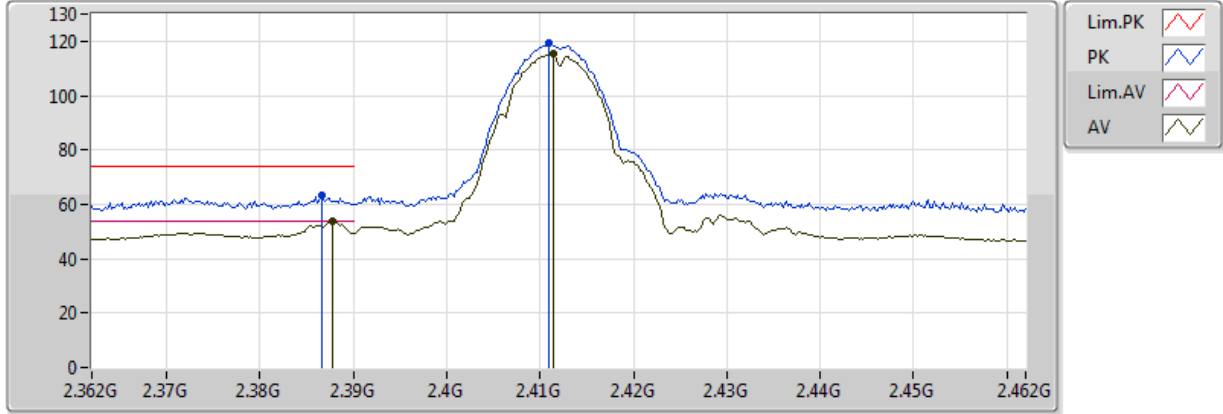


Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_3TX	Pass	AV	4.87406G	53.97	54.00	-0.03	5.23	3	Vertical	160	1.04	-

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2412MHz\_TX

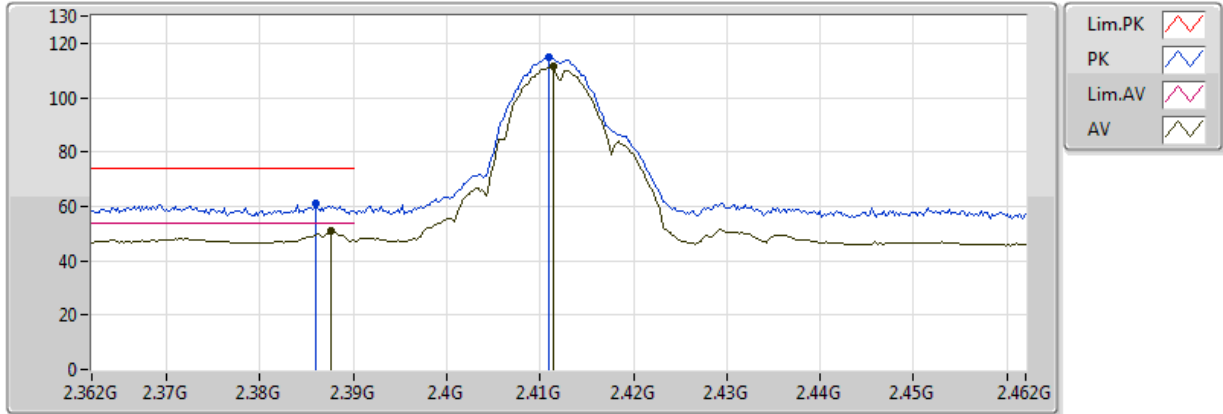


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3878G	53.80	54.00	-0.20	32.28	3	Vertical	39	2.38
AV	2.4114G	115.59	Inf	-Inf	32.34	3	Vertical	39	2.38
PK	2.3866G	63.56	74.00	-10.44	32.28	3	Vertical	39	2.38
PK	2.411G	119.23	Inf	-Inf	32.34	3	Vertical	39	2.38

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2412MHz\_TX



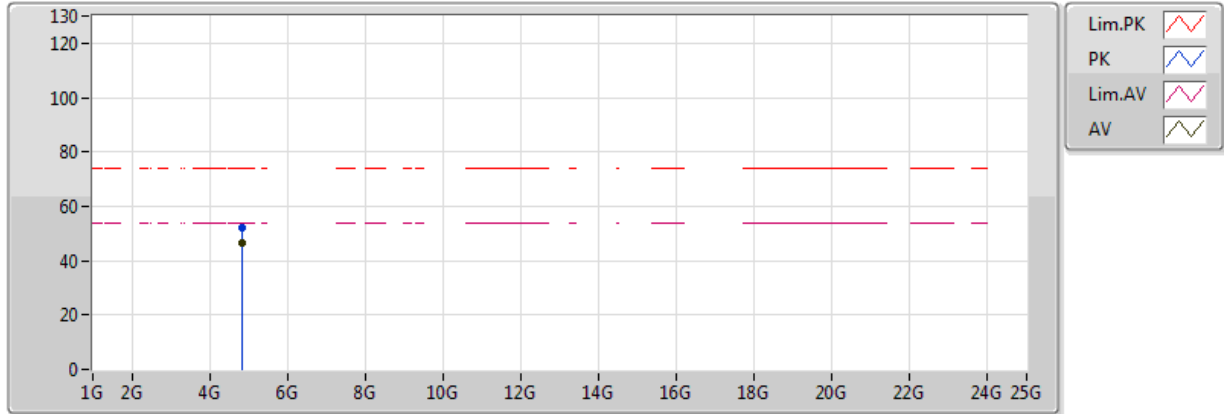
20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3876G	50.77	54.00	-3.23	32.28	3	Horizontal	316	1.08
AV	2.4114G	111.38	Inf	-Inf	32.34	3	Horizontal	316	1.08
PK	2.386G	60.87	74.00	-13.13	32.27	3	Horizontal	316	1.08
PK	2.411G	114.96	Inf	-Inf	32.34	3	Horizontal	316	1.08



### 802.11b\_Nss1,(1Mbps)\_3TX

### 2412MHz\_TX



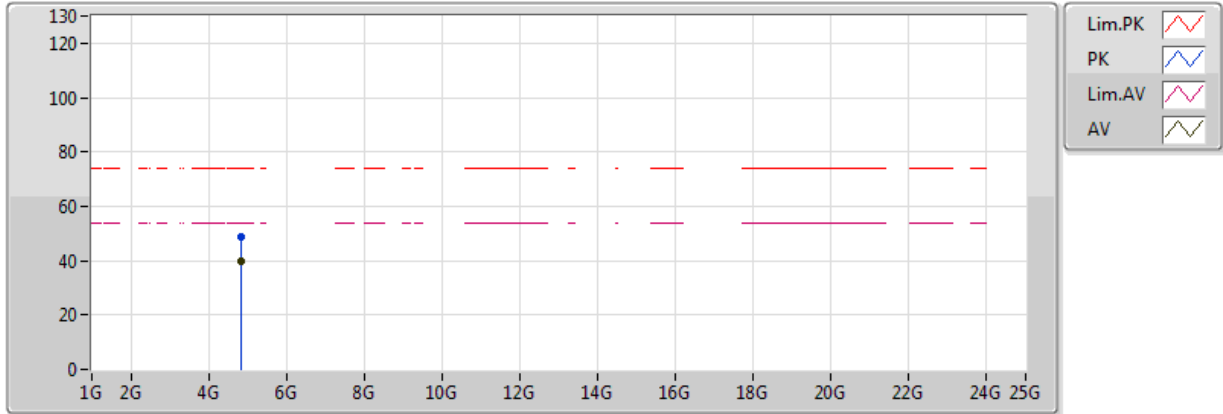
20171017  
 EUT\_Z\_3TX  
 Setting 20  
 03-Z-1  
 FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.82403G	46.49	54.00	-7.51	5.01	3	Vertical	229	1.06
PK	4.82395G	52.04	74.00	-21.96	5.01	3	Vertical	229	1.06



### 802.11b\_Nss1,(1Mbps)\_3TX

### 2412MHz\_TX

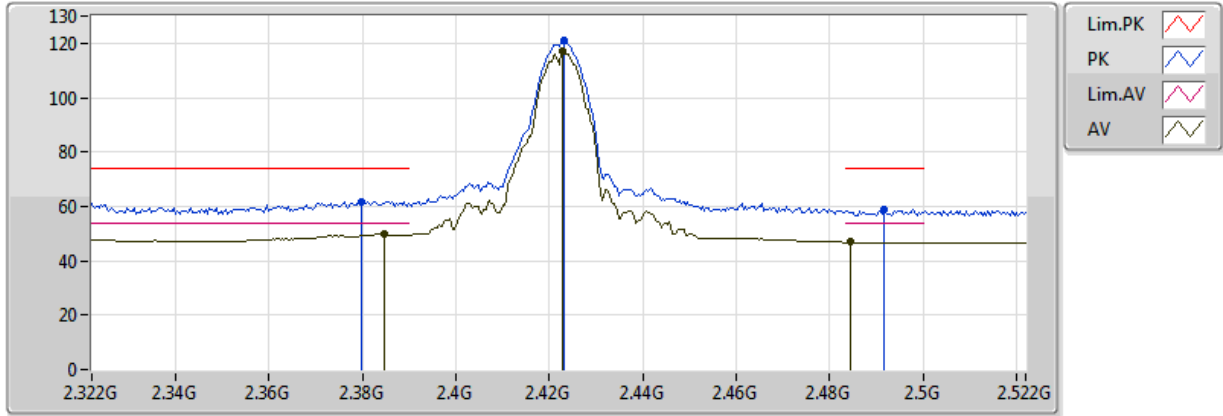


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.82402G	39.94	54.00	-14.06	5.01	3	Horizontal	23	2.98
PK	4.82402G	48.59	74.00	-25.41	5.01	3	Horizontal	23	2.98

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2422MHz\_TX

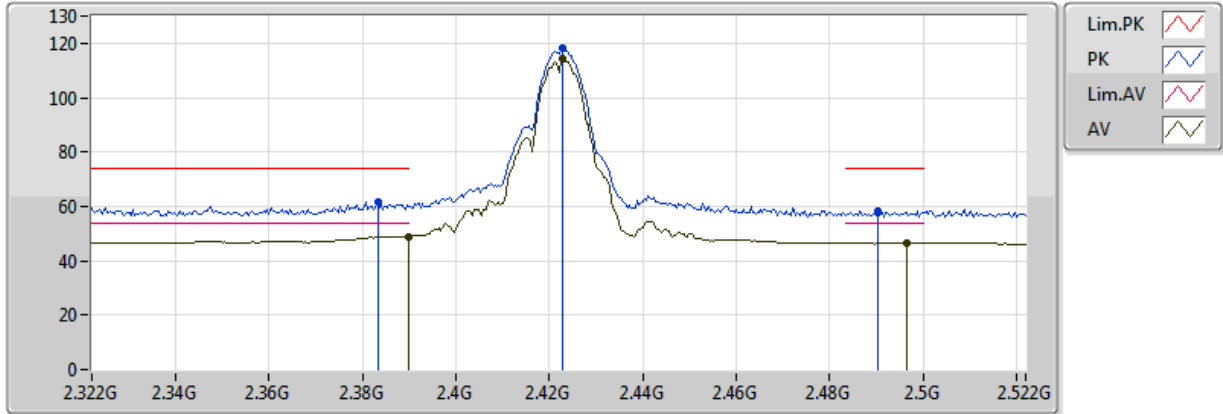


20171023  
EUT\_Z\_3TX  
Setting 24  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3848G	49.72	54.00	-4.28	33.15	3	Vertical	245	1.50
AV	2.4228G	116.95	Inf	-Inf	33.15	3	Vertical	245	1.50
AV	2.4844G	46.80	54.00	-7.20	33.19	3	Vertical	245	1.50
PK	2.3796G	61.84	74.00	-12.16	33.15	3	Vertical	245	1.50
PK	2.4232G	120.86	Inf	-Inf	33.15	3	Vertical	245	1.50
PK	2.4916G	59.04	74.00	-14.96	33.19	3	Vertical	245	1.50

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2422MHz\_TX



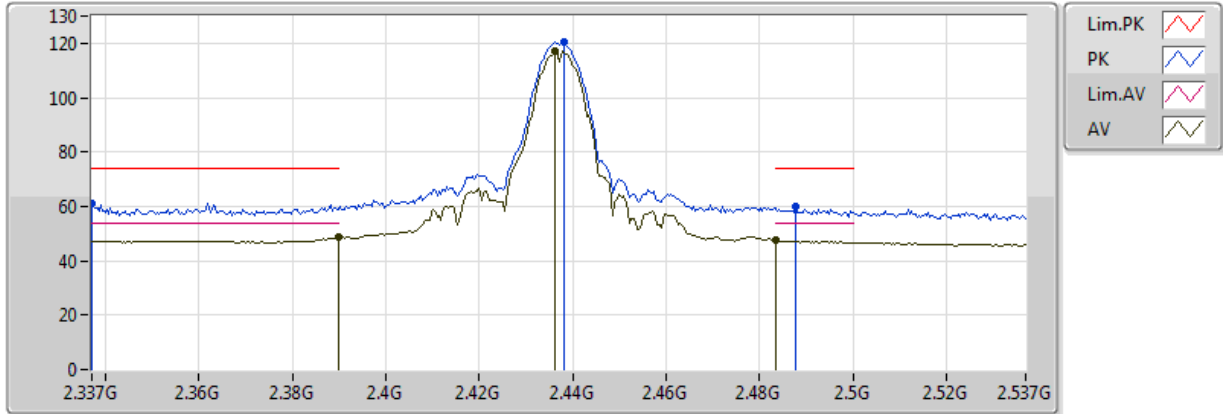
20171023  
EUT\_Z\_3TX  
Setting 24  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	48.74	54.00	-5.26	33.15	3	Horizontal	309	1.01
AV	2.4228G	114.24	Inf	-Inf	33.15	3	Horizontal	309	1.01
AV	2.4964G	46.55	54.00	-7.45	33.20	3	Horizontal	309	1.01
PK	2.3832G	61.55	74.00	-12.45	33.15	3	Horizontal	309	1.01
PK	2.4228G	118.25	Inf	-Inf	33.15	3	Horizontal	309	1.01
PK	2.4904G	58.35	74.00	-15.65	33.19	3	Horizontal	309	1.01



### 802.11b\_Nss1,(1Mbps)\_3TX

### 2437MHz\_TX

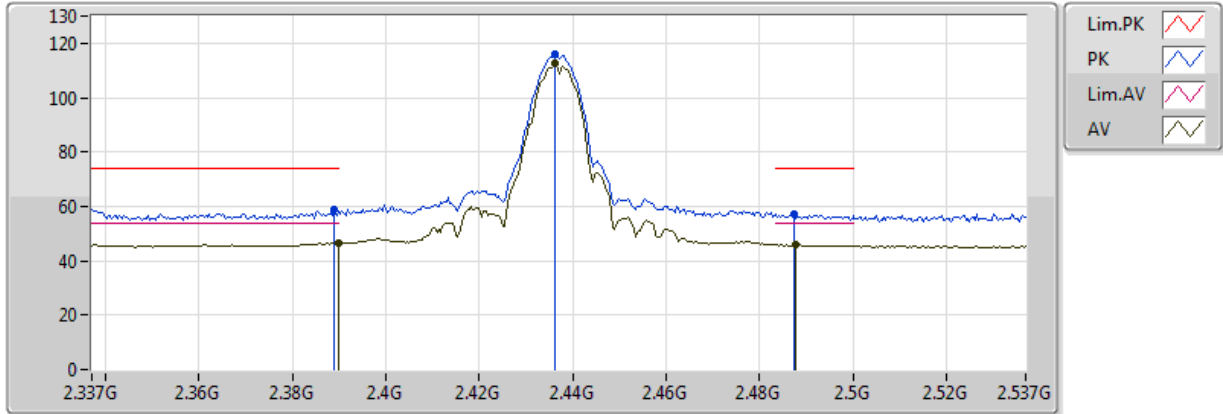


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	48.57	54.00	-5.43	32.28	3	Vertical	333	2.92
AV	2.4362G	116.99	Inf	-Inf	32.40	3	Vertical	333	2.92
AV	2.483502G	47.55	54.00	-6.45	32.53	3	Vertical	333	2.92
PK	2.337G	61.24	74.00	-12.76	32.15	3	Vertical	333	2.92
PK	2.4382G	120.62	Inf	-Inf	32.41	3	Vertical	333	2.92
PK	2.4878G	59.94	74.00	-14.06	32.54	3	Vertical	333	2.92

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2437MHz\_TX

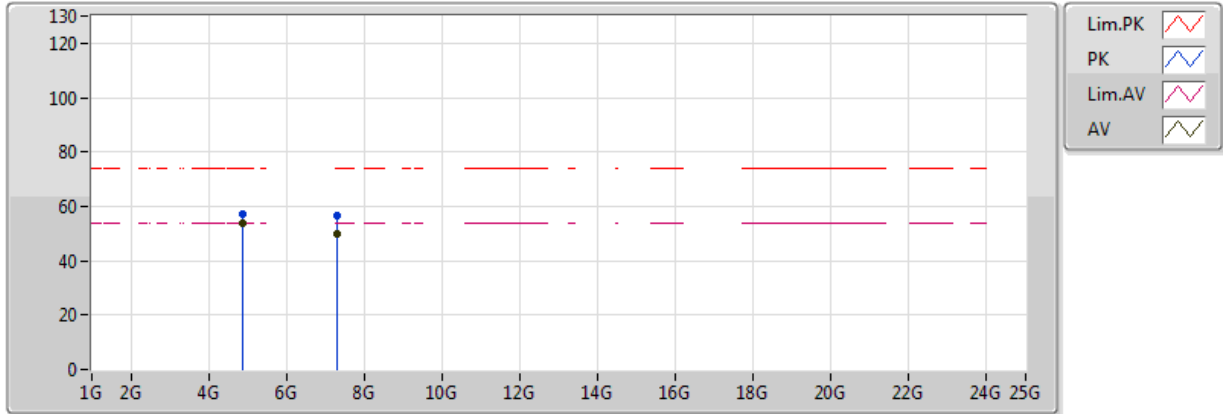


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	46.67	54.00	-7.33	32.28	3	Horizontal	91	1.13
AV	2.4362G	112.52	Inf	-Inf	32.40	3	Horizontal	91	1.13
AV	2.4878G	46.00	54.00	-8.00	32.54	3	Horizontal	91	1.13
PK	2.389G	59.02	74.00	-14.98	32.28	3	Horizontal	91	1.13
PK	2.4362G	116.05	Inf	-Inf	32.40	3	Horizontal	91	1.13
PK	2.4874G	57.37	74.00	-16.63	32.54	3	Horizontal	91	1.13

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2437MHz\_TX

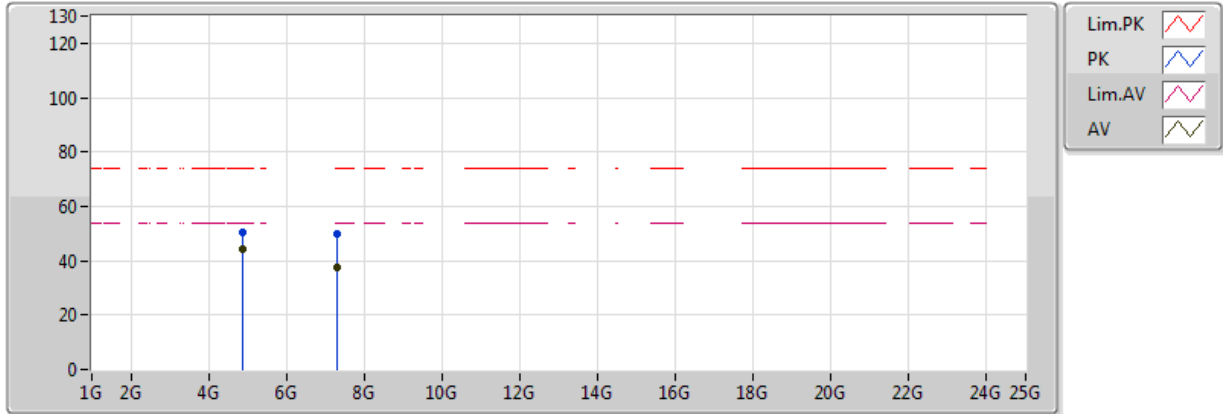


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.87406G	53.97	54.00	-0.03	5.23	3	Vertical	160	1.04
AV	7.31186G	49.94	54.00	-4.06	9.09	3	Vertical	354	2.76
PK	4.87398G	56.94	74.00	-17.06	5.23	3	Vertical	160	1.04
PK	7.31184G	56.39	74.00	-17.61	9.09	3	Vertical	354	2.76

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2437MHz\_TX

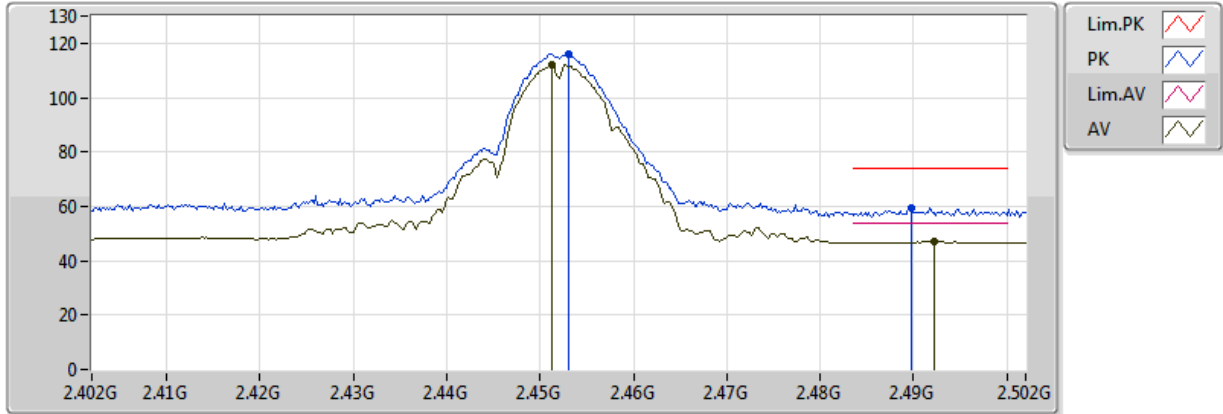


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.8741G	44.49	54.00	-9.51	5.23	3	Horizontal	297	2.67
AV	7.3101G	37.60	54.00	-16.40	9.09	3	Horizontal	288	2.26
PK	4.87412G	50.71	74.00	-23.29	5.23	3	Horizontal	297	2.67
PK	7.31124G	49.90	74.00	-24.10	9.09	3	Horizontal	288	2.26

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2452MHz\_TX

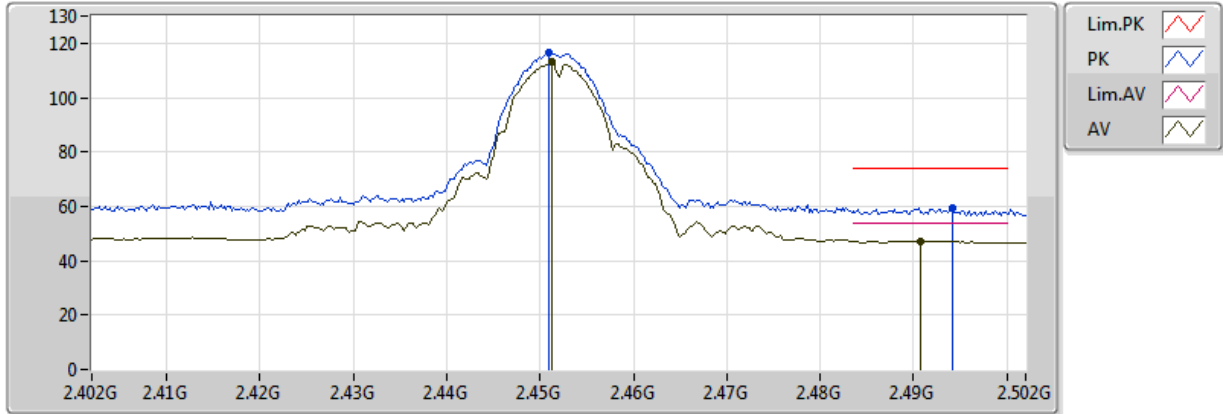


20171023  
 EUT\_Z\_3TX  
 Setting 23.5  
 04-W-3  
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.4512G	112.14	Inf	-Inf	33.17	3	Vertical	311	1.50
AV	2.4922G	46.94	54.00	-7.06	33.20	3	Vertical	311	1.50
PK	2.453G	115.96	Inf	-Inf	33.17	3	Vertical	311	1.50
PK	2.4898G	59.67	74.00	-14.33	33.19	3	Vertical	311	1.50

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2452MHz\_TX

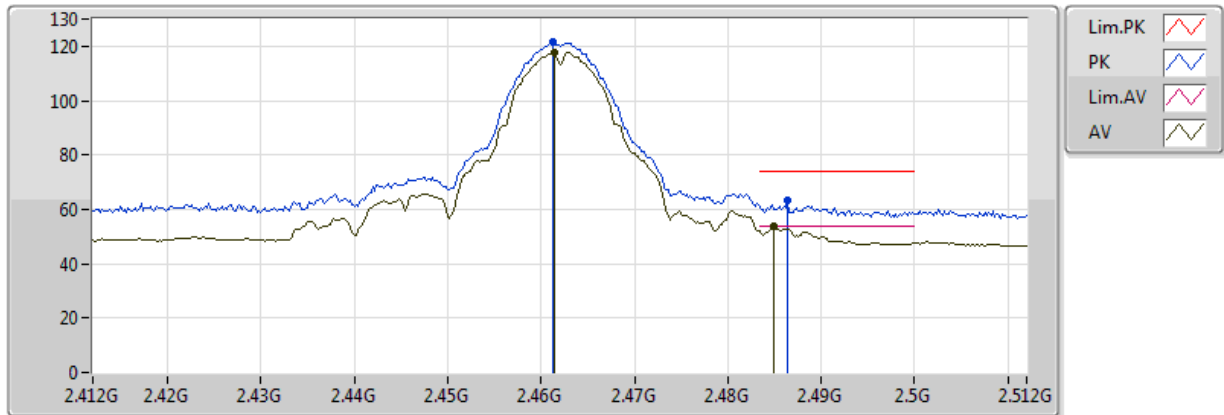


20171023  
 EUT\_Z\_3TX  
 Setting 23.5  
 04-W-3  
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.4512G	113.06	Inf	-Inf	33.17	3	Horizontal	317	1.15
AV	2.4908G	47.11	54.00	-6.89	33.19	3	Horizontal	317	1.15
PK	2.451G	116.80	Inf	-Inf	33.17	3	Horizontal	317	1.15
PK	2.4942G	59.42	74.00	-14.58	33.20	3	Horizontal	317	1.15

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2462MHz\_TX

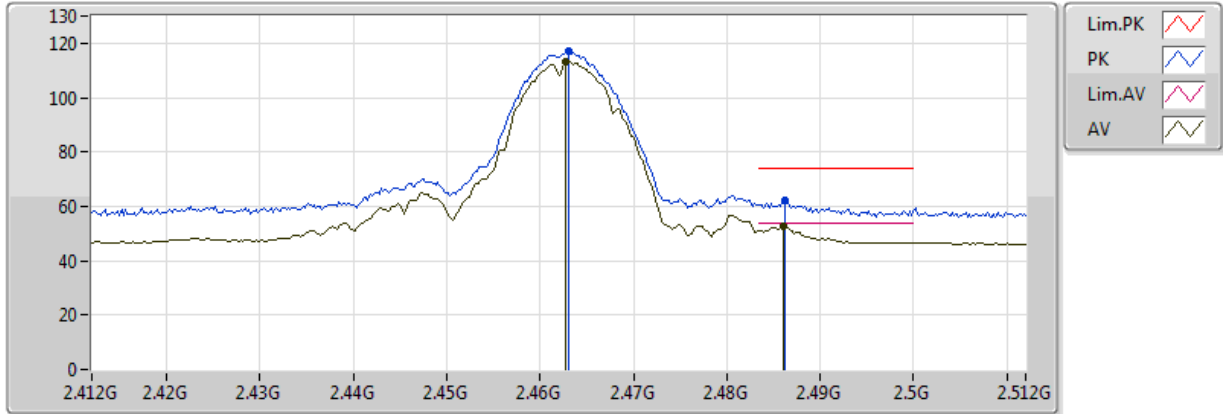


20171017  
EUT\_Z\_3TX  
Setting 23  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.4614G	117.94	Inf	-Inf	32.47	3	Vertical	85	2.32
AV	2.485G	53.73	54.00	-0.27	32.53	3	Vertical	85	2.32
PK	2.4612G	121.33	Inf	-Inf	32.47	3	Vertical	85	2.32
PK	2.4864G	63.39	74.00	-10.61	32.53	3	Vertical	85	2.32

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2462MHz\_TX



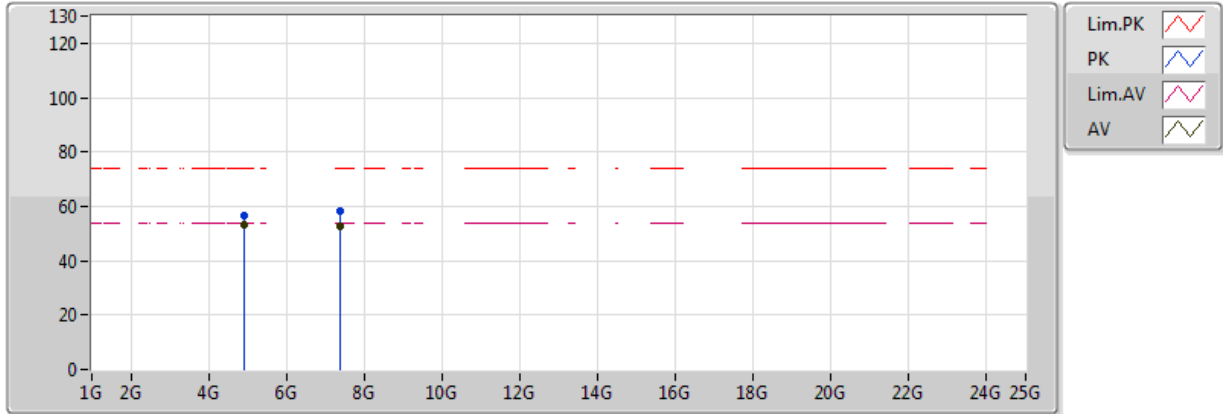
20171017  
EUT\_Z\_3TX  
Setting 23  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.4628G	113.20	Inf	-Inf	32.47	3	Horizontal	67	1.22
AV	2.486G	52.50	54.00	-1.50	32.53	3	Horizontal	67	1.22
PK	2.463G	117.07	Inf	-Inf	32.47	3	Horizontal	67	1.22
PK	2.4862G	62.14	74.00	-11.86	32.53	3	Horizontal	67	1.22



### 802.11b\_Nss1,(1Mbps)\_3TX

### 2462MHz\_TX

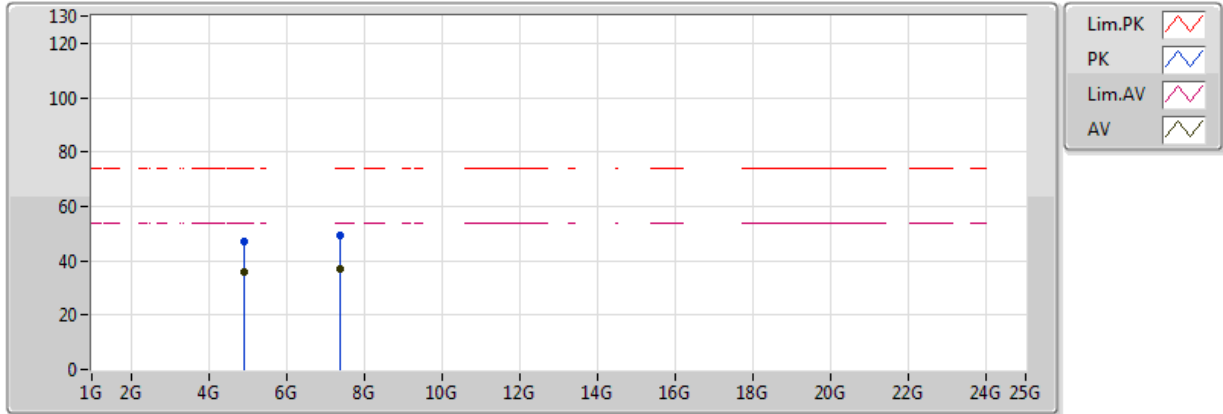


20171017  
EUT\_Z\_3TX  
Setting 23  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.92412G	53.48	54.00	-0.52	5.45	3	Vertical	163	1.08
AV	7.3854G	52.74	54.00	-1.26	9.06	3	Vertical	0	2.81
PK	4.92416G	56.65	74.00	-17.35	5.45	3	Vertical	163	1.08
PK	7.38522G	58.35	74.00	-15.65	9.06	3	Vertical	0	2.81

### 802.11b\_Nss1,(1Mbps)\_3TX

### 2462MHz\_TX

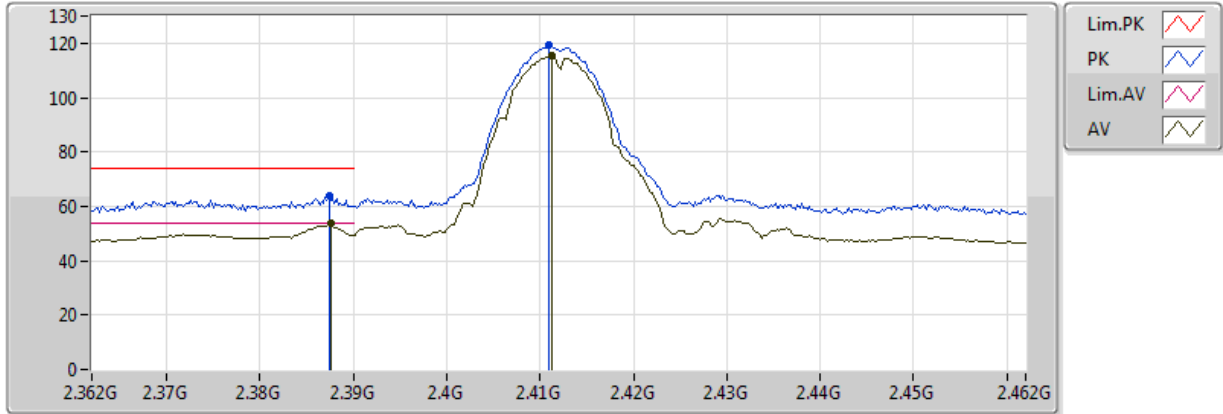


20171017  
EUT\_Z\_3TX  
Setting 23  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.92408G	35.81	54.00	-18.19	5.45	3	Horizontal	154	1.63
AV	7.38676G	36.73	54.00	-17.27	9.06	3	Horizontal	238	2.07
PK	4.9228G	47.17	74.00	-26.83	5.44	3	Horizontal	154	1.63
PK	7.38708G	49.42	74.00	-24.58	9.06	3	Horizontal	238	2.07

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2412MHz\_TX

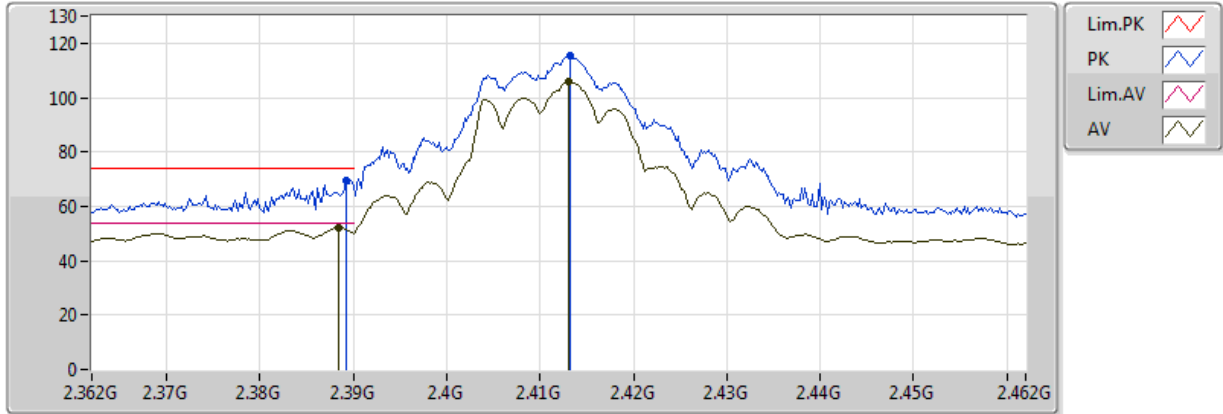


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3876G	53.66	54.00	-0.34	32.28	3	Vertical	37	2.39
AV	2.4112G	115.62	Inf	-Inf	32.34	3	Vertical	37	2.39
PK	2.3874G	63.75	74.00	-10.25	32.28	3	Vertical	37	2.39
PK	2.411G	119.21	Inf	-Inf	32.34	3	Vertical	37	2.39

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2412MHz\_TX

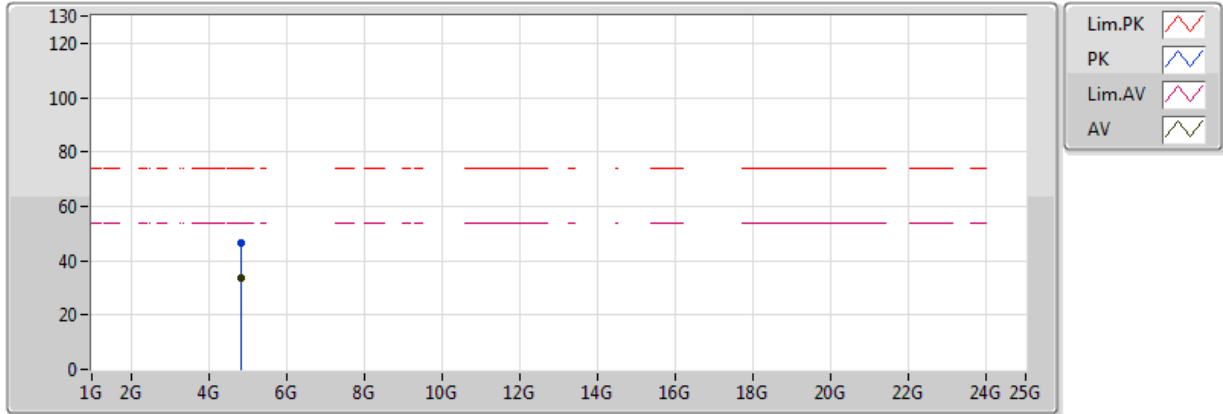


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3884G	52.15	54.00	-1.85	32.28	3	Horizontal	321	1.01
AV	2.413G	105.76	Inf	-Inf	32.34	3	Horizontal	321	1.01
PK	2.3892G	69.48	74.00	-4.52	32.28	3	Horizontal	321	1.01
PK	2.4132G	115.33	Inf	-Inf	32.34	3	Horizontal	321	1.01

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2412MHz\_TX



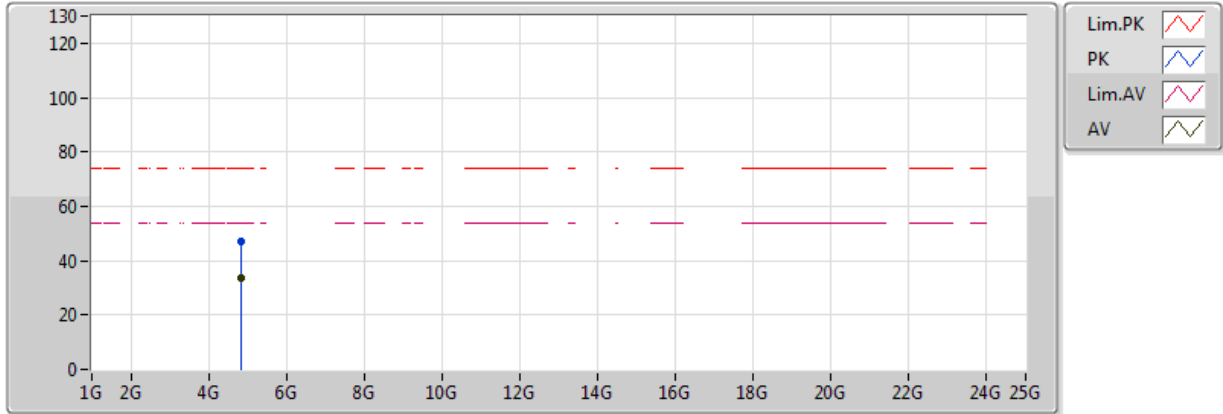
20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.82364G	33.78	54.00	-20.22	5.00	3	Vertical	121	1.73
PK	4.82556G	46.57	74.00	-27.43	5.01	3	Vertical	121	1.73



### 802.11g\_Nss1,(6Mbps)\_3TX

### 2412MHz\_TX

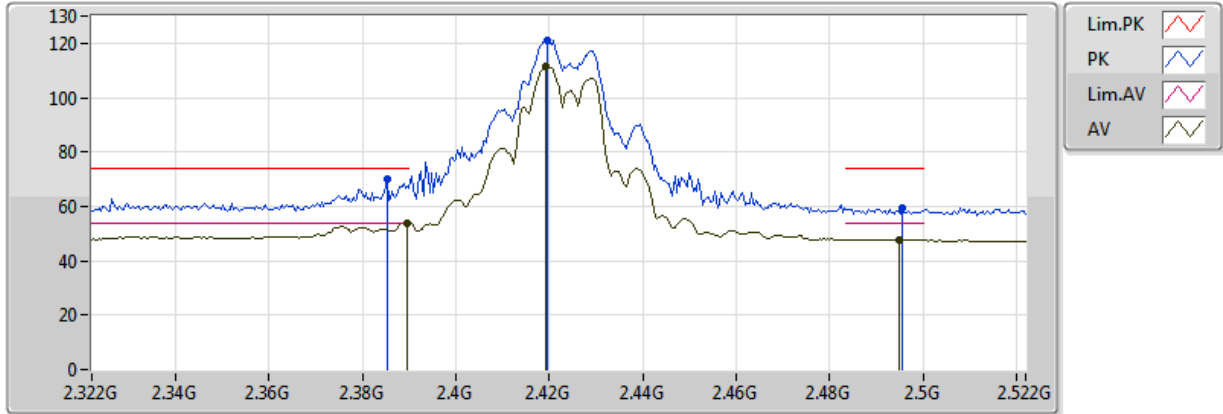


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.82334G	33.90	54.00	-20.10	5.00	3	Horizontal	47	1.93
PK	4.82316G	46.84	74.00	-27.16	5.00	3	Horizontal	47	1.93

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2422MHz\_TX

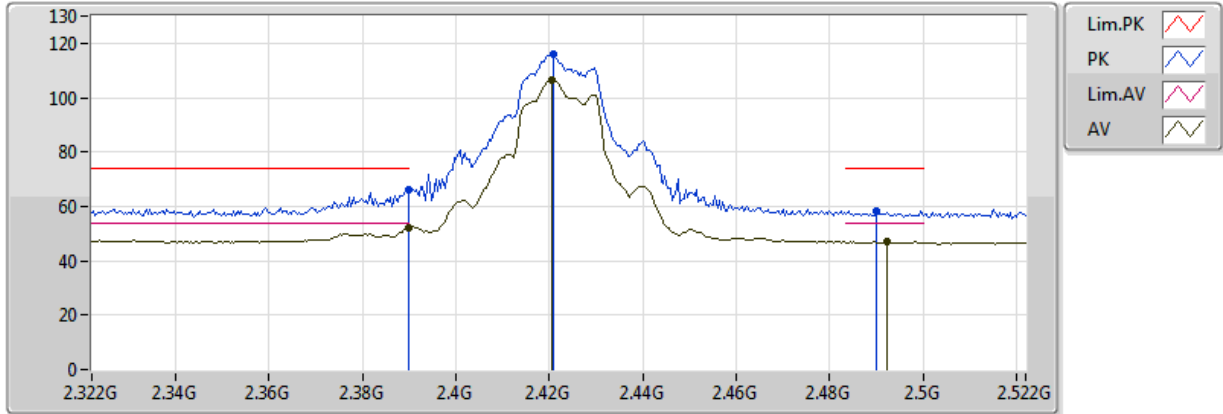


20171023  
EUT\_Z\_3TX  
Setting 22  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3896G	53.95	54.00	-0.05	33.15	3	Vertical	129	1.04
AV	2.4192G	111.28	Inf	-Inf	33.15	3	Vertical	129	1.04
AV	2.4948G	47.79	54.00	-6.21	33.20	3	Vertical	129	1.04
PK	2.3852G	70.12	74.00	-3.88	33.15	3	Vertical	129	1.04
PK	2.4196G	121.27	Inf	-Inf	33.15	3	Vertical	129	1.04
PK	2.4956G	59.27	74.00	-14.73	33.20	3	Vertical	129	1.04

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2422MHz\_TX



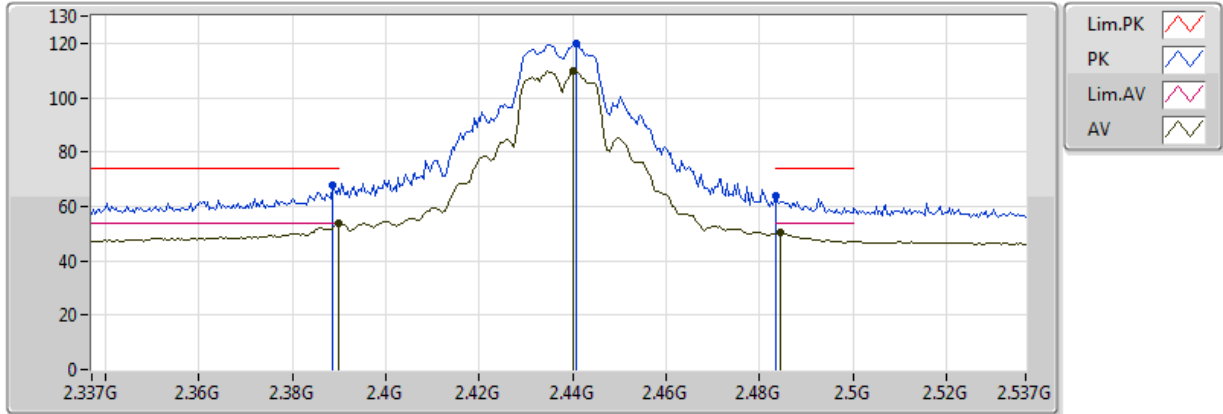
20171023  
EUT\_Z\_3TX  
Setting 22  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	52.35	54.00	-1.65	33.15	3	Horizontal	74	1.11
AV	2.4204G	106.65	Inf	-Inf	33.15	3	Horizontal	74	1.11
AV	2.4924G	46.97	54.00	-7.03	33.20	3	Horizontal	74	1.11
PK	2.389998G	65.95	74.00	-8.05	33.15	3	Horizontal	74	1.11
PK	2.4208G	115.89	Inf	-Inf	33.15	3	Horizontal	74	1.11
PK	2.49G	58.17	74.00	-15.83	33.19	3	Horizontal	74	1.11



### 802.11g\_Nss1,(6Mbps)\_3TX

### 2437MHz\_TX

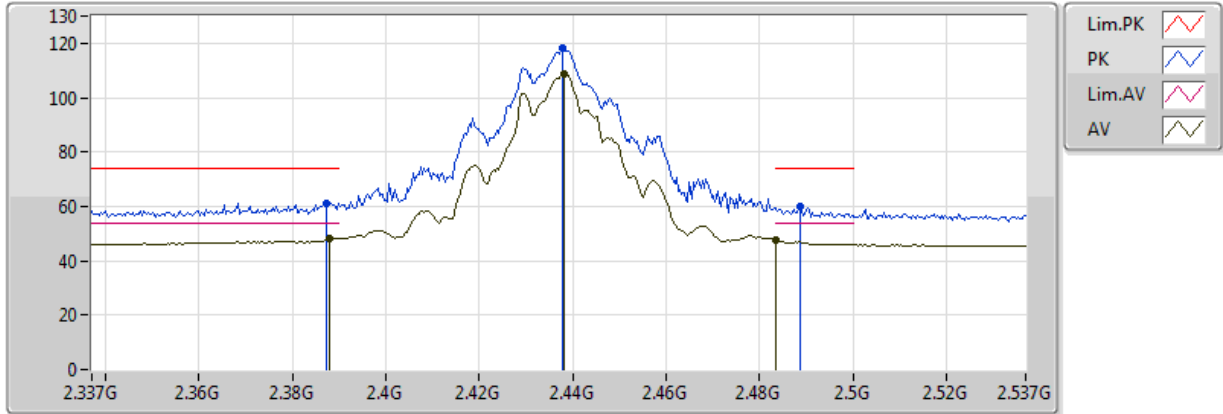


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	53.89	54.00	-0.11	32.28	3	Vertical	36	1.88
AV	2.4402G	109.87	Inf	-Inf	32.41	3	Vertical	36	1.88
AV	2.4846G	50.34	54.00	-3.66	32.53	3	Vertical	36	1.88
PK	2.3886G	67.64	74.00	-6.36	32.28	3	Vertical	36	1.88
PK	2.4406G	119.65	Inf	-Inf	32.42	3	Vertical	36	1.88
PK	2.483502G	63.78	74.00	-10.22	32.53	3	Vertical	36	1.88

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2437MHz\_TX

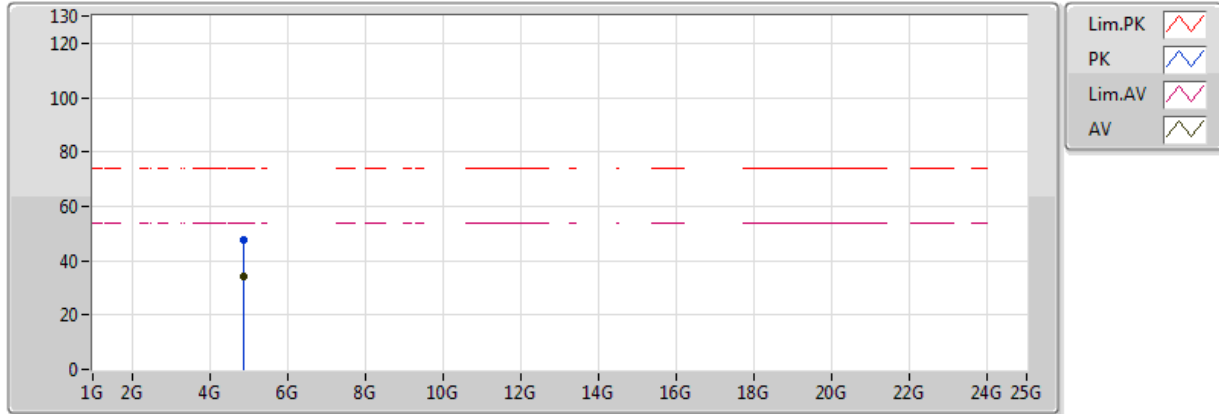


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3878G	48.25	54.00	-5.75	32.28	3	Horizontal	79	1.00
AV	2.4382G	108.83	Inf	-Inf	32.41	3	Horizontal	79	1.00
AV	2.483502G	47.62	54.00	-6.38	32.53	3	Horizontal	79	1.00
PK	2.3874G	61.19	74.00	-12.81	32.28	3	Horizontal	79	1.00
PK	2.4378G	118.04	Inf	-Inf	32.41	3	Horizontal	79	1.00
PK	2.4886G	59.77	74.00	-14.23	32.54	3	Horizontal	79	1.00

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2437MHz\_TX

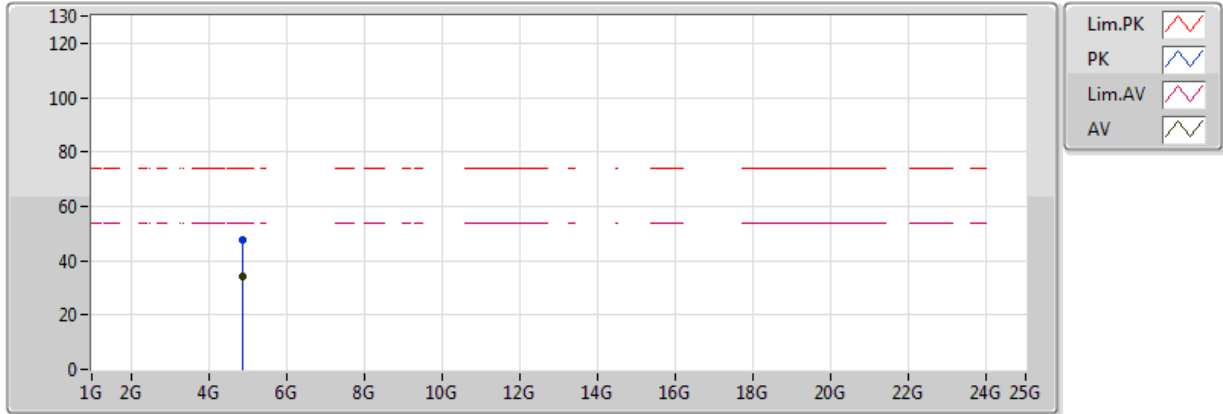


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.87126G	34.22	54.00	-19.78	5.21	3	Vertical	231	1.29
PK	4.87276G	47.74	74.00	-26.26	5.22	3	Vertical	231	1.29

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2437MHz\_TX

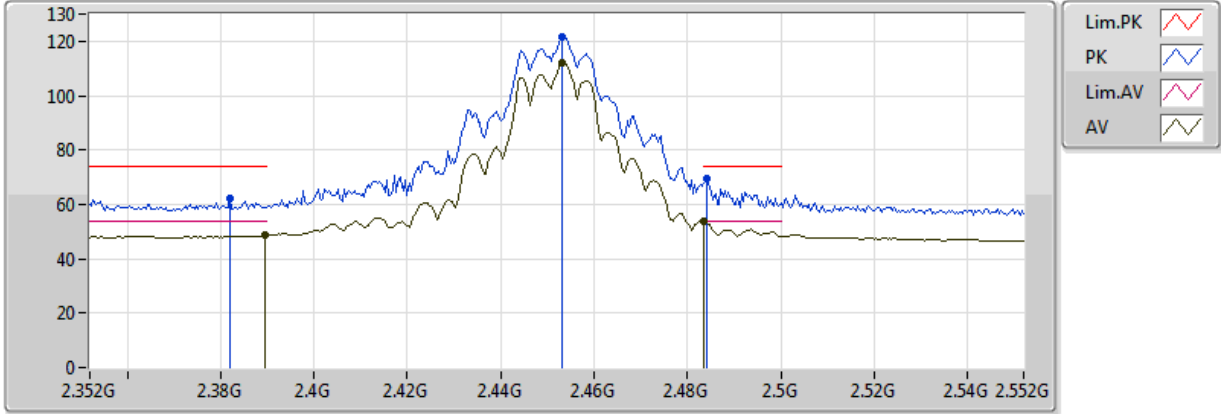


20171017  
EUT\_Z\_3TX  
Setting 24  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.87282G	34.28	54.00	-19.72	5.22	3	Horizontal	103	1.81
PK	4.87096G	47.71	74.00	-26.29	5.21	3	Horizontal	103	1.81

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2452MHz\_TX

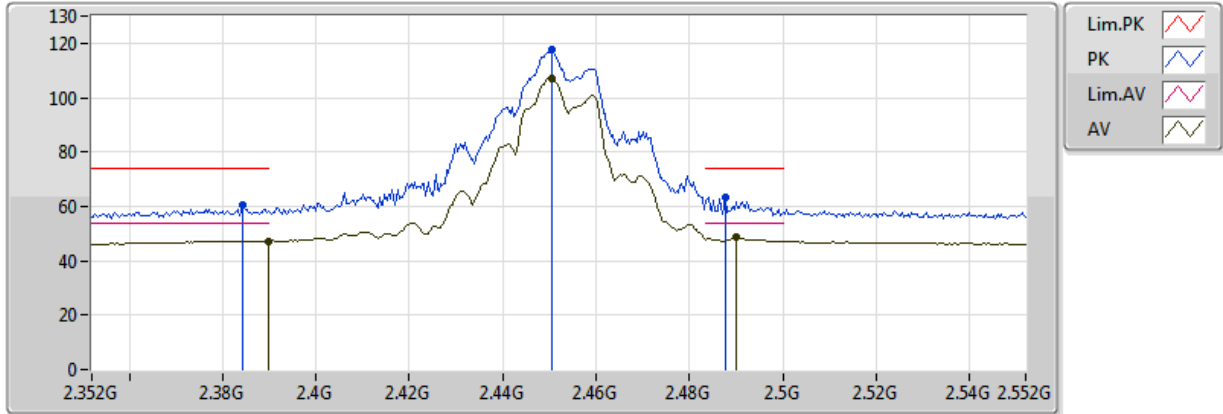


20171023  
EUT\_Z\_3TX  
Setting 24  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3896G	48.59	54.00	-5.41	33.15	3	Vertical	301	2.99
AV	2.4532G	111.87	Inf	-Inf	33.17	3	Vertical	301	2.99
AV	2.4836G	53.97	54.00	-0.03	33.19	3	Vertical	301	2.99
PK	2.382G	62.09	74.00	-11.91	33.15	3	Vertical	301	2.99
PK	2.4532G	121.84	Inf	-Inf	33.17	3	Vertical	301	2.99
PK	2.484G	69.31	74.00	-4.69	33.19	3	Vertical	301	2.99

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2452MHz\_TX

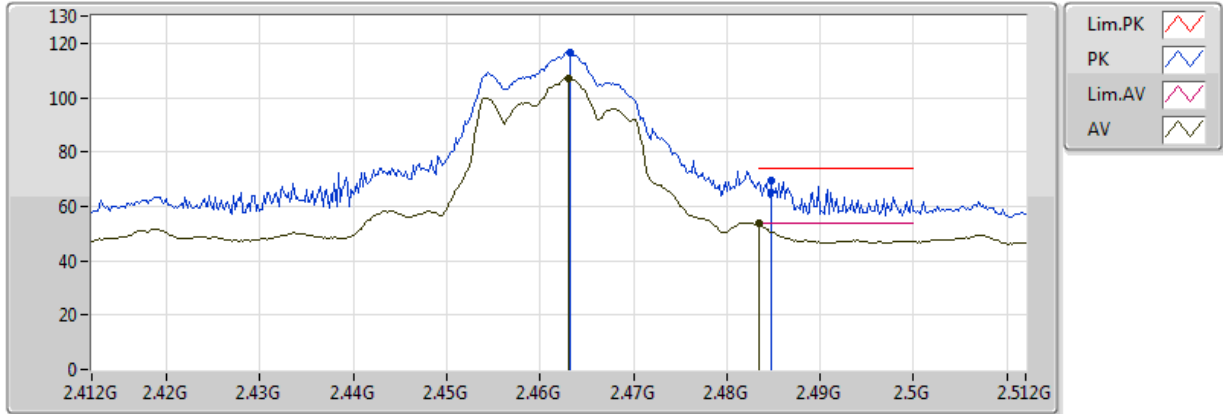


20171023  
EUT\_Z\_3TX  
Setting 24  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	47.31	54.00	-6.69	33.15	3	Horizontal	6	1.53
AV	2.4504G	107.17	Inf	-Inf	33.17	3	Horizontal	6	1.53
AV	2.49G	48.52	54.00	-5.48	33.19	3	Horizontal	6	1.53
PK	2.3844G	60.33	74.00	-13.67	33.15	3	Horizontal	6	1.53
PK	2.4504G	117.49	Inf	-Inf	33.17	3	Horizontal	6	1.53
PK	2.4876G	63.59	74.00	-10.41	33.19	3	Horizontal	6	1.53

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2462MHz\_TX

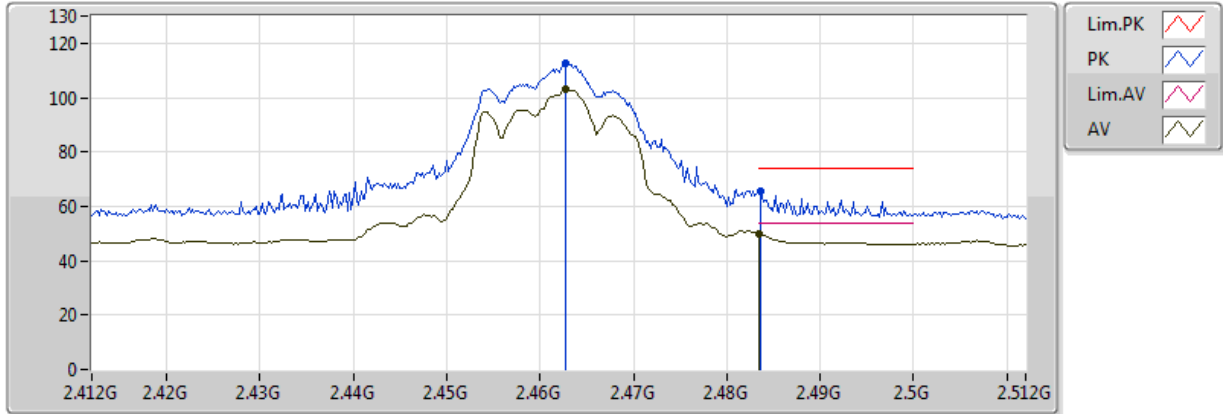


20171017  
EUT\_Z\_3TX  
Setting 19  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.463G	107.21	Inf	-Inf	32.47	3	Vertical	337	1.49
AV	2.483502G	53.92	54.00	-0.08	32.53	3	Vertical	337	1.49
PK	2.4632G	116.41	Inf	-Inf	32.47	3	Vertical	337	1.49
PK	2.4848G	69.42	74.00	-4.58	32.53	3	Vertical	337	1.49

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2462MHz\_TX



20171017  
EUT\_Z\_3TX  
Setting 19  
03-Z-1  
FSP

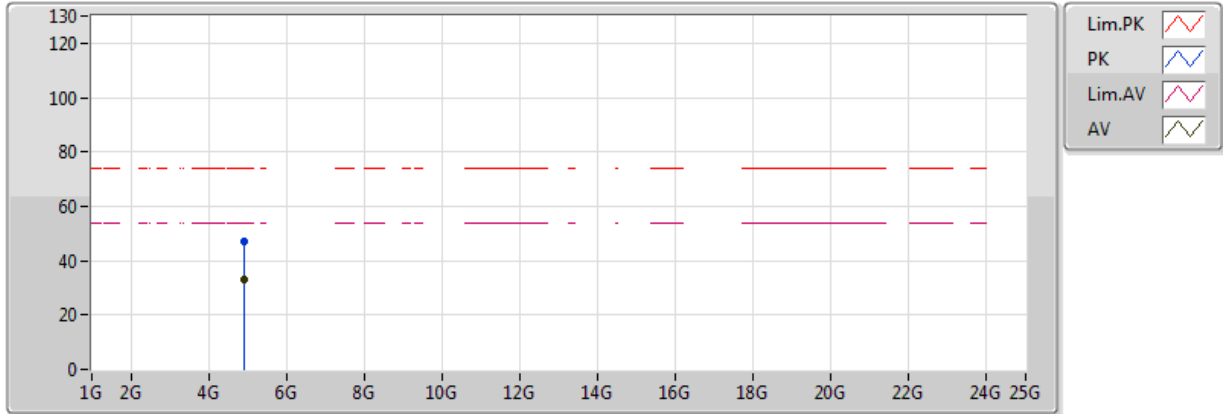
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.4628G	102.89	Inf	-Inf	32.47	3	Horizontal	316	1.39
AV	2.483502G	49.80	54.00	-4.20	32.53	3	Horizontal	316	1.39
PK	2.4628G	112.43	Inf	-Inf	32.47	3	Horizontal	316	1.39
PK	2.4836G	65.55	74.00	-8.45	32.53	3	Horizontal	316	1.39





### 802.11g\_Nss1,(6Mbps)\_3TX

### 2462MHz\_TX

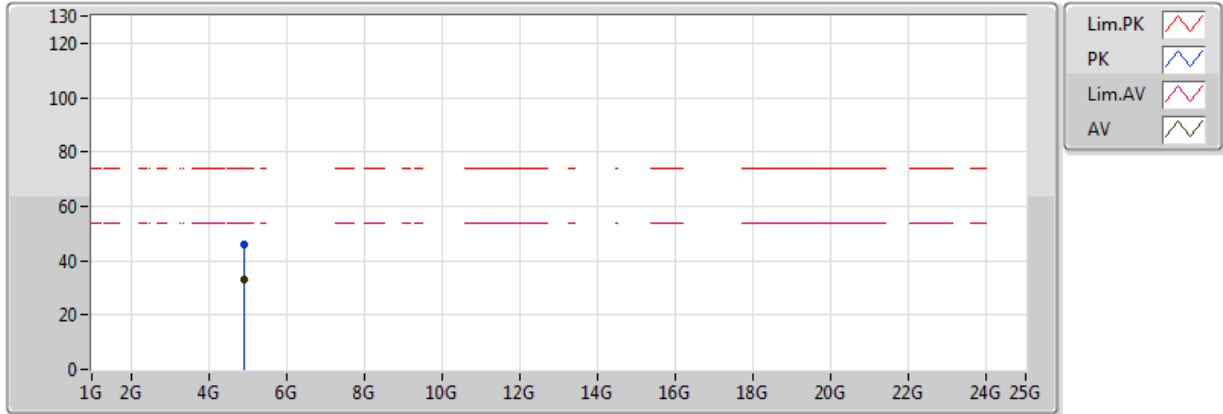


20171017  
EUT\_Z\_3TX  
Setting 19  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.92496G	33.03	54.00	-20.97	5.45	3	Vertical	122	1.14
PK	4.91744G	46.84	74.00	-27.16	5.42	3	Vertical	122	1.14

### 802.11g\_Nss1,(6Mbps)\_3TX

### 2462MHz\_TX

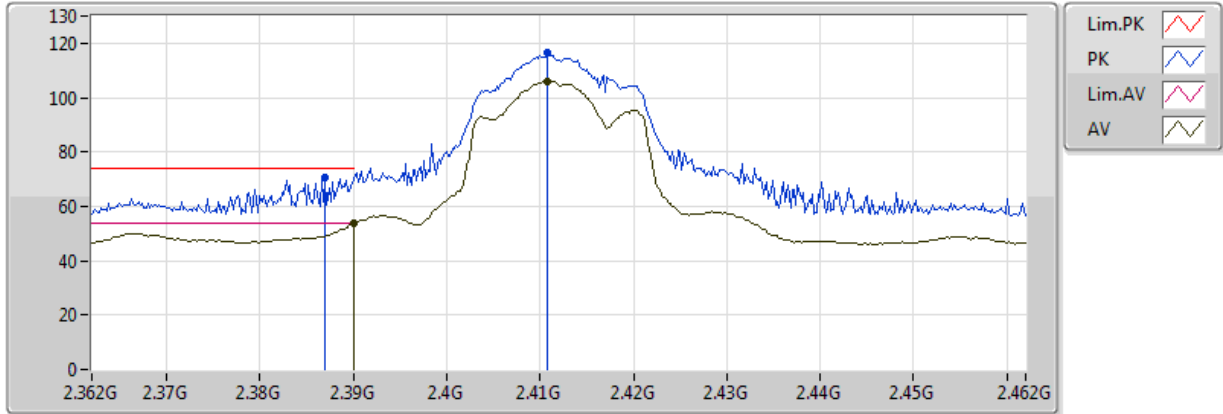


20171017  
EUT\_Z\_3TX  
Setting 19  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.9214G	33.24	54.00	-20.76	5.44	3	Horizontal	214	1.31
PK	4.92632G	45.92	74.00	-28.08	5.46	3	Horizontal	214	1.31

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2412MHz\_TX

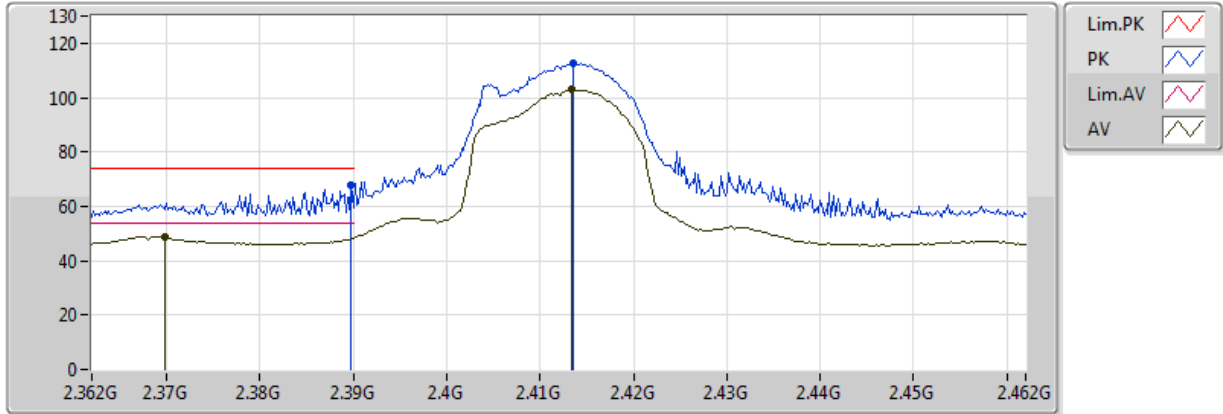


20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.39G	53.75	54.00	-0.25	32.28	3	Vertical	236	1.22
AV	2.4108G	106.06	Inf	-Inf	32.34	3	Vertical	236	1.22
PK	2.387G	70.82	74.00	-3.18	32.28	3	Vertical	236	1.22
PK	2.4108G	116.28	Inf	-Inf	32.34	3	Vertical	236	1.22

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2412MHz\_TX

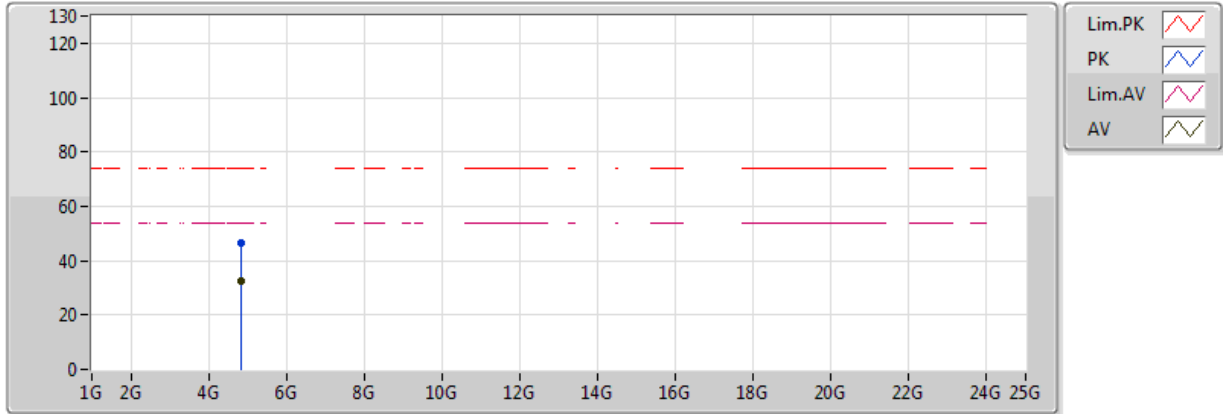


20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3698G	48.82	54.00	-5.18	32.23	3	Horizontal	77	1.00
AV	2.4134G	102.89	Inf	-Inf	32.34	3	Horizontal	77	1.00
PK	2.3898G	67.64	74.00	-6.36	32.28	3	Horizontal	77	1.00
PK	2.4136G	112.84	Inf	-Inf	32.35	3	Horizontal	77	1.00

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2412MHz\_TX

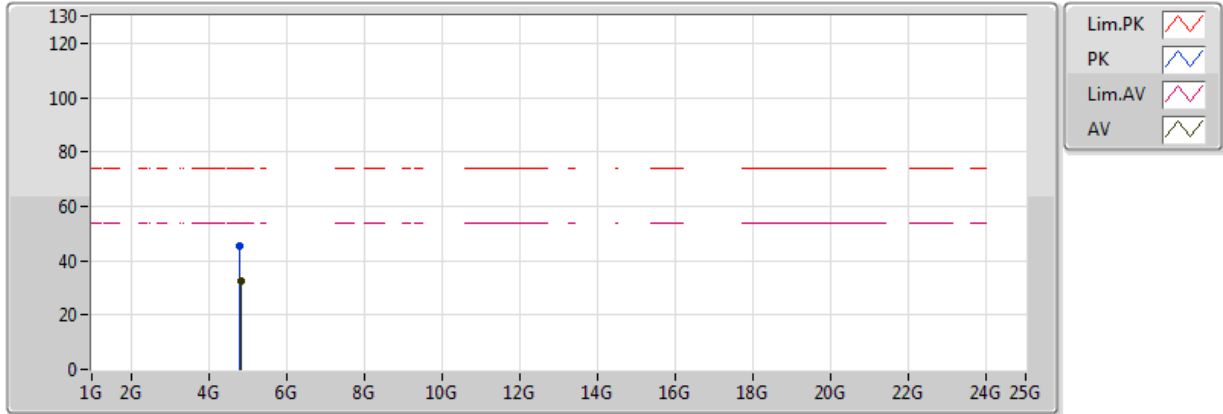


20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.82608G	32.32	54.00	-21.68	5.01	3	Vertical	349	1.73
PK	4.82644G	46.31	74.00	-27.69	5.02	3	Vertical	349	1.73

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2412MHz\_TX

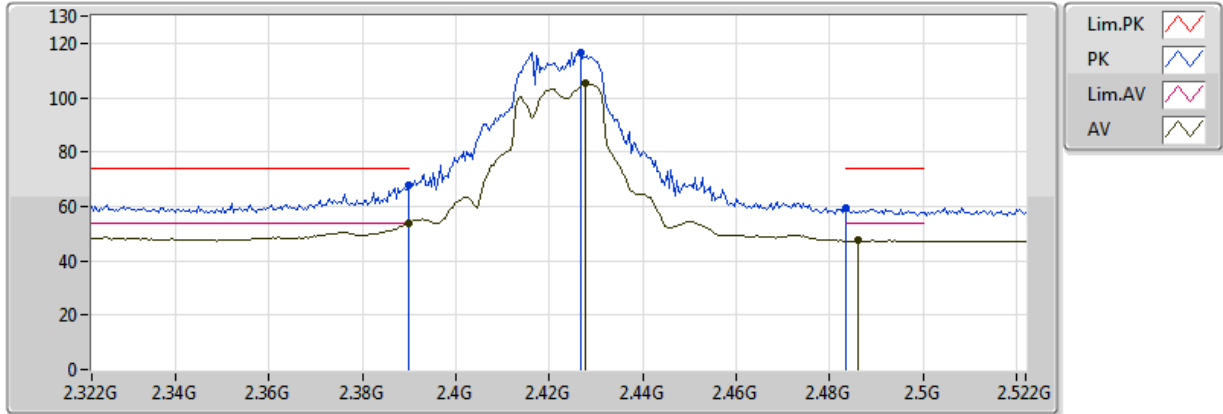


20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.83316G	32.37	54.00	-21.63	5.05	3	Horizontal	98	1.82
PK	4.81528G	45.56	74.00	-28.44	4.97	3	Horizontal	98	1.82

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2422MHz\_TX

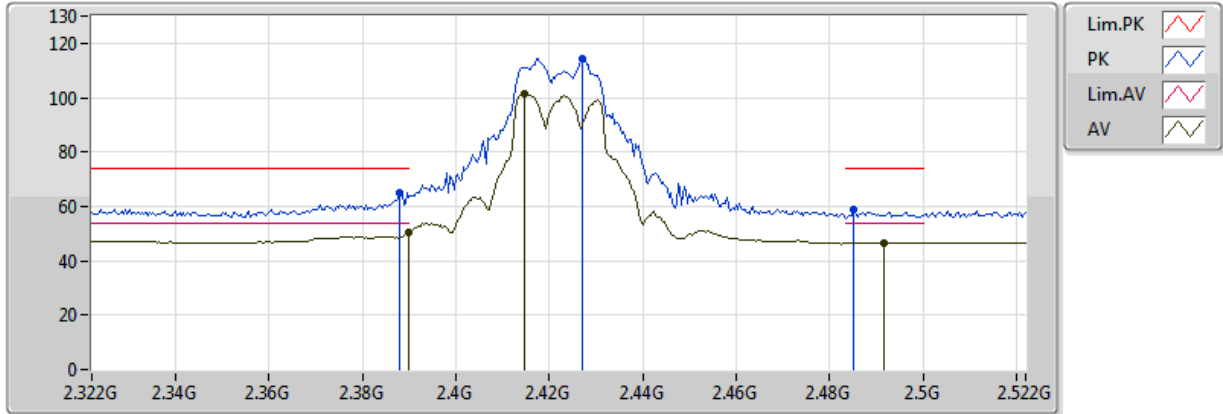


20171023  
 EUT\_Z\_3TX  
 Setting 21.5  
 04-W-3  
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	53.97	54.00	-0.03	33.15	3	Vertical	305	1.45
AV	2.4276G	105.21	Inf	-Inf	33.16	3	Vertical	305	1.45
AV	2.486G	47.40	54.00	-6.60	33.19	3	Vertical	305	1.45
PK	2.389998G	67.68	74.00	-6.32	33.15	3	Vertical	305	1.45
PK	2.4268G	116.72	Inf	-Inf	33.16	3	Vertical	305	1.45
PK	2.4836G	59.25	74.00	-14.75	33.19	3	Vertical	305	1.45

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2422MHz\_TX



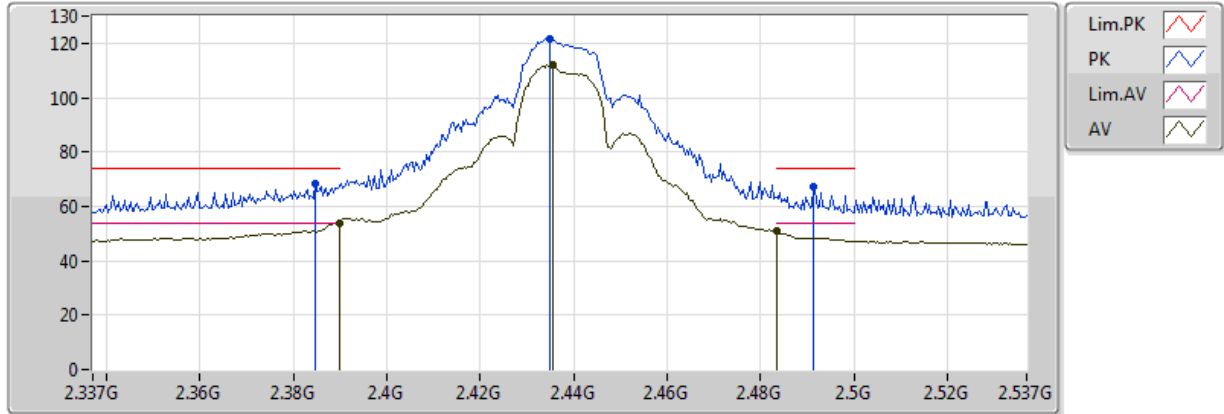
20171023  
 EUT\_Z\_3TX  
 Setting 21.5  
 04-W-3  
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	50.61	54.00	-3.39	33.15	3	Horizontal	319	1.42
AV	2.4148G	101.64	Inf	-Inf	33.15	3	Horizontal	319	1.42
AV	2.4916G	46.68	54.00	-7.32	33.19	3	Horizontal	319	1.42
PK	2.388G	64.82	74.00	-9.18	33.15	3	Horizontal	319	1.42
PK	2.4272G	114.35	Inf	-Inf	33.16	3	Horizontal	319	1.42
PK	2.4852G	58.60	74.00	-15.40	33.19	3	Horizontal	319	1.42



### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

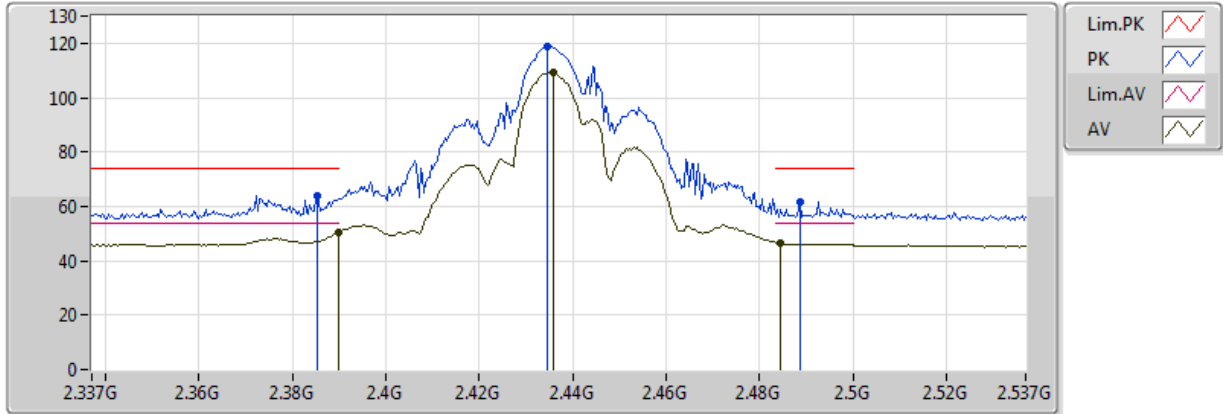


20171017  
EUT\_Z\_3TX  
Setting 26  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	53.97	54.00	-0.03	32.28	3	Vertical	32	1.88
AV	2.4354G	111.87	Inf	-Inf	32.40	3	Vertical	32	1.88
AV	2.483502G	50.73	54.00	-3.27	32.53	3	Vertical	32	1.88
PK	2.3846G	68.34	74.00	-5.66	32.27	3	Vertical	32	1.88
PK	2.435G	121.52	Inf	-Inf	32.40	3	Vertical	32	1.88
PK	2.4914G	67.21	74.00	-6.79	32.55	3	Vertical	32	1.88

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

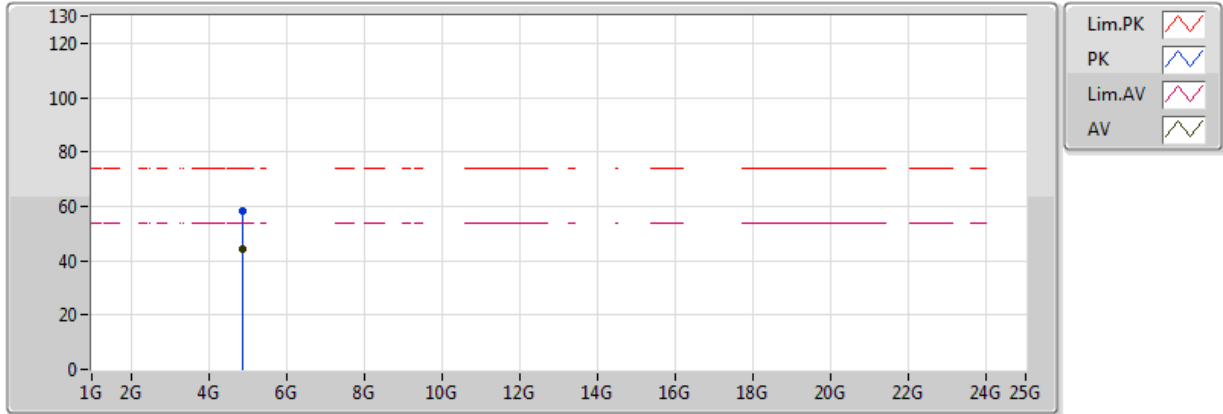


20171017  
EUT\_Z\_3TX  
Setting 26  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	50.55	54.00	-3.45	32.28	3	Horizontal	177	1.00
AV	2.4358G	109.30	Inf	-Inf	32.40	3	Horizontal	177	1.00
AV	2.4846G	46.50	54.00	-7.50	32.53	3	Horizontal	177	1.00
PK	2.3854G	64.12	74.00	-9.88	32.27	3	Horizontal	177	1.00
PK	2.4346G	119.02	Inf	-Inf	32.40	3	Horizontal	177	1.00
PK	2.4886G	61.88	74.00	-12.12	32.54	3	Horizontal	177	1.00

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

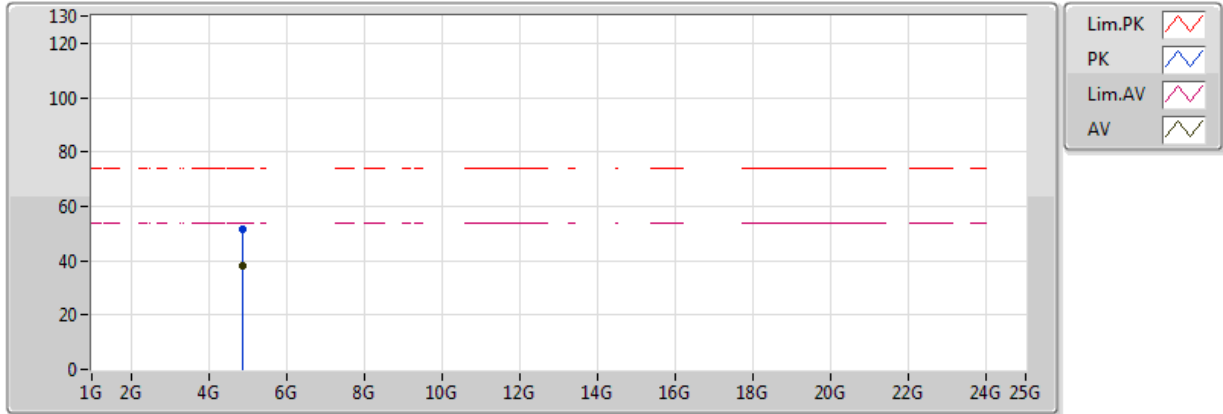


20171017  
EUT\_Z\_3TX  
Setting 26  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.8734G	44.01	54.00	-9.99	5.22	3	Vertical	163	1.06
PK	4.87308G	58.54	74.00	-15.46	5.22	3	Vertical	163	1.06

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

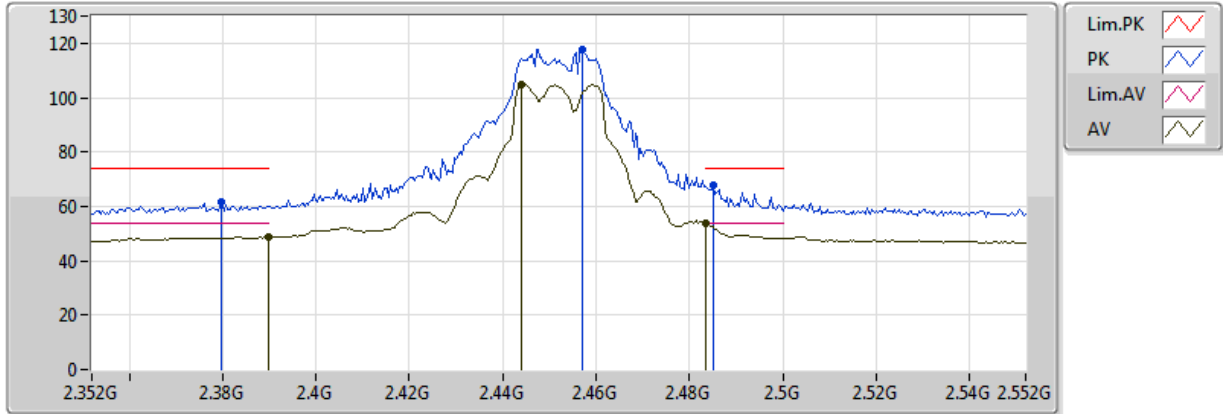


20171017  
EUT\_Z\_3TX  
Setting 26  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.87276G	37.95	54.00	-16.05	5.22	3	Horizontal	232	2.23
PK	4.87068G	51.44	74.00	-22.56	5.21	3	Horizontal	232	2.23

### 802.11n HT20\_Nss1,(MCS0)\_3TX

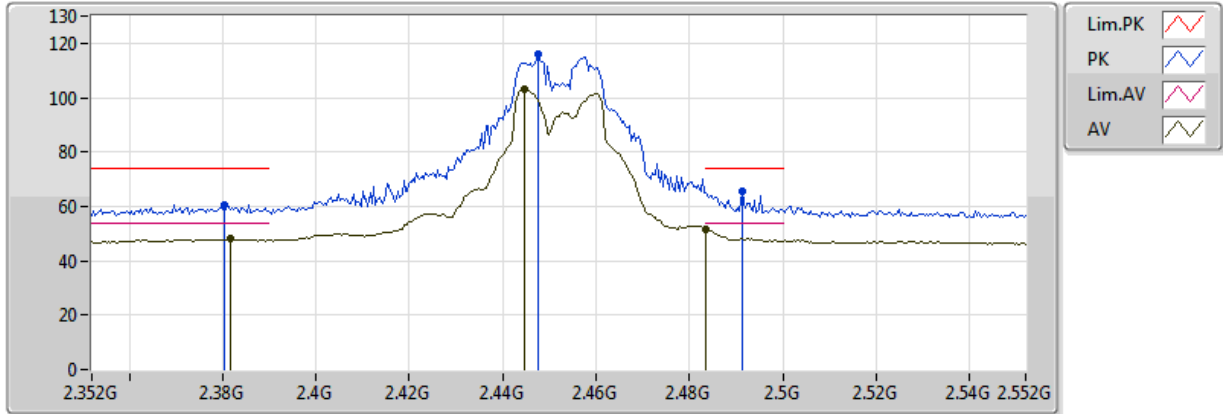
### 2452MHz\_TX



20171023  
 EUT\_Z\_3TX  
 Setting 23  
 04-W-3  
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	48.75	54.00	-5.25	33.15	3	Vertical	310	1.49
AV	2.444G	104.96	Inf	-Inf	33.17	3	Vertical	310	1.49
AV	2.4836G	53.89	54.00	-0.11	33.19	3	Vertical	310	1.49
PK	2.3796G	61.37	74.00	-12.63	33.15	3	Vertical	310	1.49
PK	2.4572G	117.82	Inf	-Inf	33.17	3	Vertical	310	1.49
PK	2.4852G	67.53	74.00	-6.47	33.19	3	Vertical	310	1.49

**802.11n HT20\_Nss1,(MCS0)\_3TX  
2452MHz\_TX**

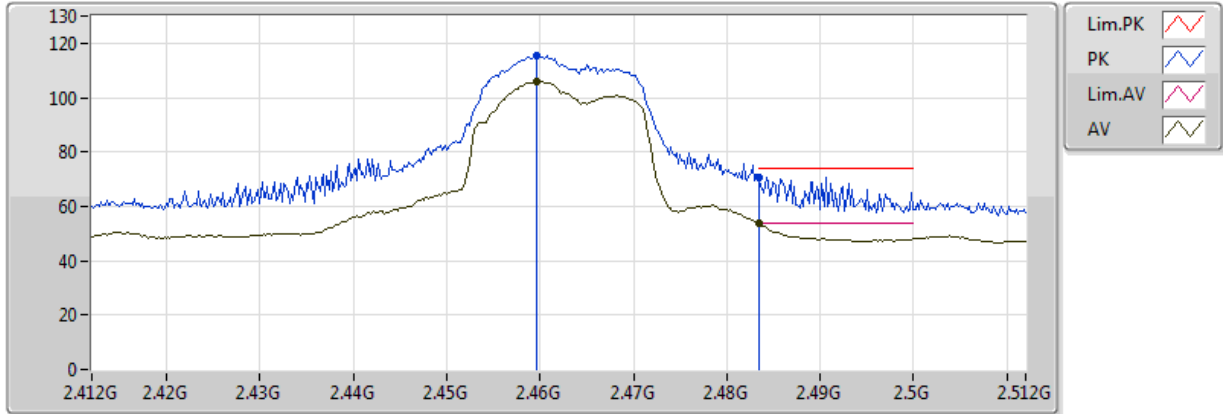


20171023  
EUT\_Z\_3TX  
Setting 23  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3816G	47.91	54.00	-6.09	33.15	3	Horizontal	209	1.01
AV	2.4448G	102.99	Inf	-Inf	33.17	3	Horizontal	209	1.01
AV	2.4836G	51.51	54.00	-2.49	33.19	3	Horizontal	209	1.01
PK	2.3804G	60.78	74.00	-13.22	33.15	3	Horizontal	209	1.01
PK	2.4476G	115.79	Inf	-Inf	33.17	3	Horizontal	209	1.01
PK	2.4912G	65.50	74.00	-8.50	33.19	3	Horizontal	209	1.01

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2462MHz\_TX

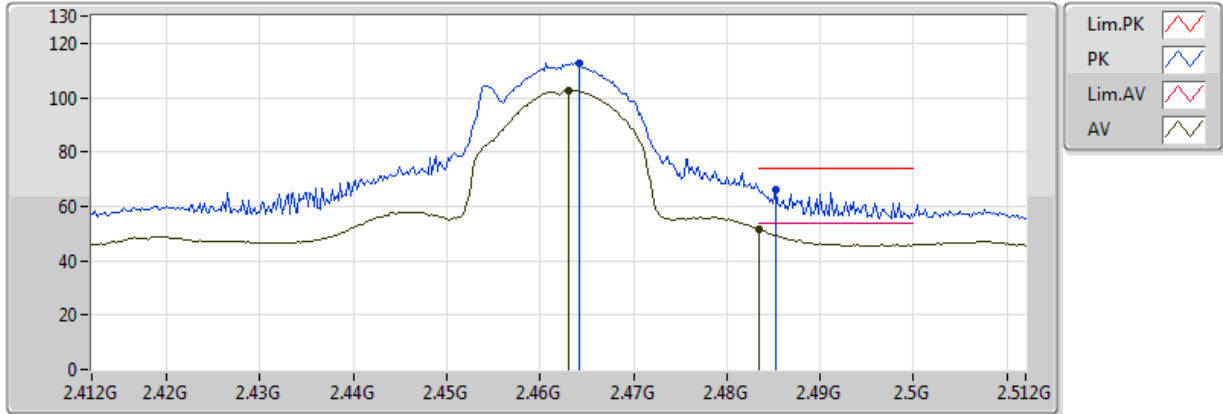


20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.4596G	105.68	Inf	-Inf	32.46	3	Vertical	166	2.30
AV	2.483502G	53.88	54.00	-0.12	32.53	3	Vertical	166	2.30
PK	2.4596G	115.30	Inf	-Inf	32.46	3	Vertical	166	2.30
PK	2.483502G	70.83	74.00	-3.17	32.53	3	Vertical	166	2.30

### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2462MHz\_TX



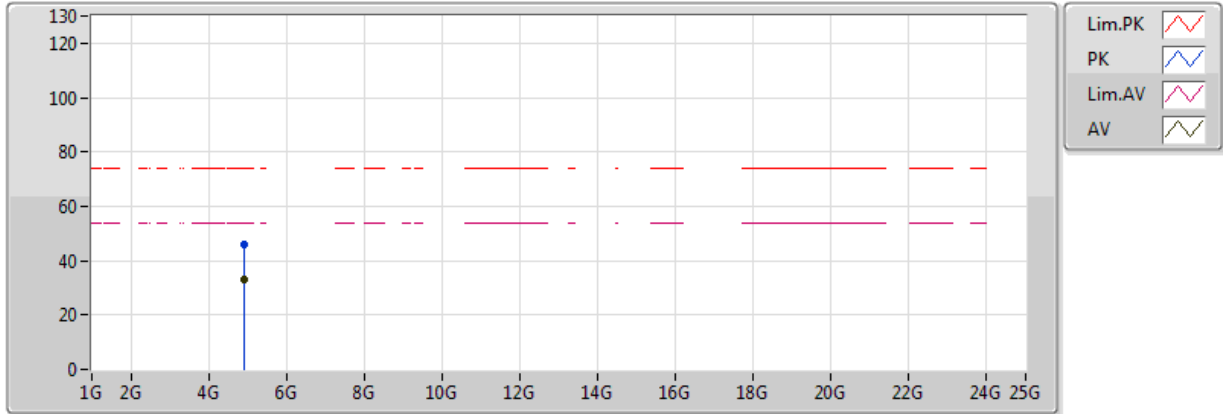
20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.463G	102.67	Inf	-Inf	32.47	3	Horizontal	215	1.00
AV	2.483502G	51.73	54.00	-2.27	32.53	3	Horizontal	215	1.00
PK	2.4642G	112.84	Inf	-Inf	32.48	3	Horizontal	215	1.00
PK	2.4852G	66.18	74.00	-7.82	32.53	3	Horizontal	215	1.00



### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2462MHz\_TX



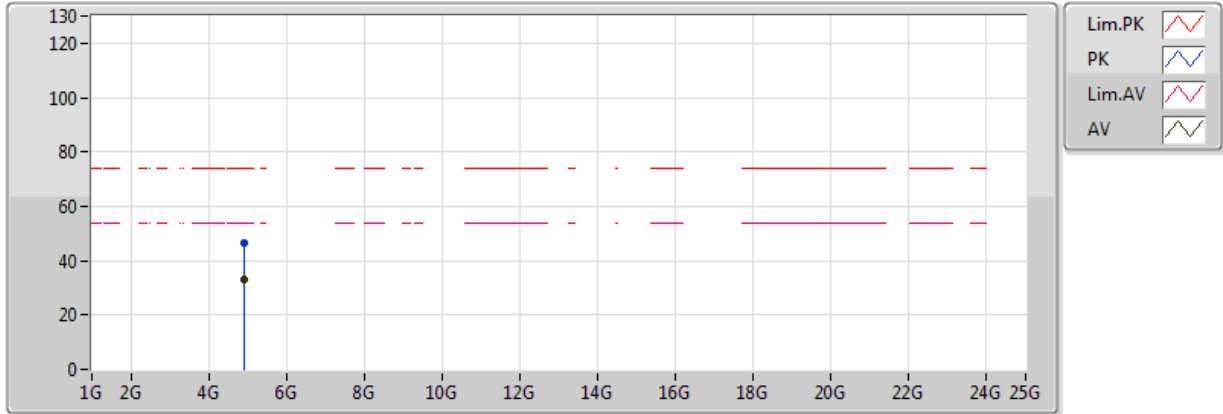
20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.92264G	33.03	54.00	-20.97	5.44	3	Vertical	184	2.41
PK	4.92916G	45.85	74.00	-28.15	5.47	3	Vertical	184	2.41



### 802.11n HT20\_Nss1,(MCS0)\_3TX

### 2462MHz\_TX

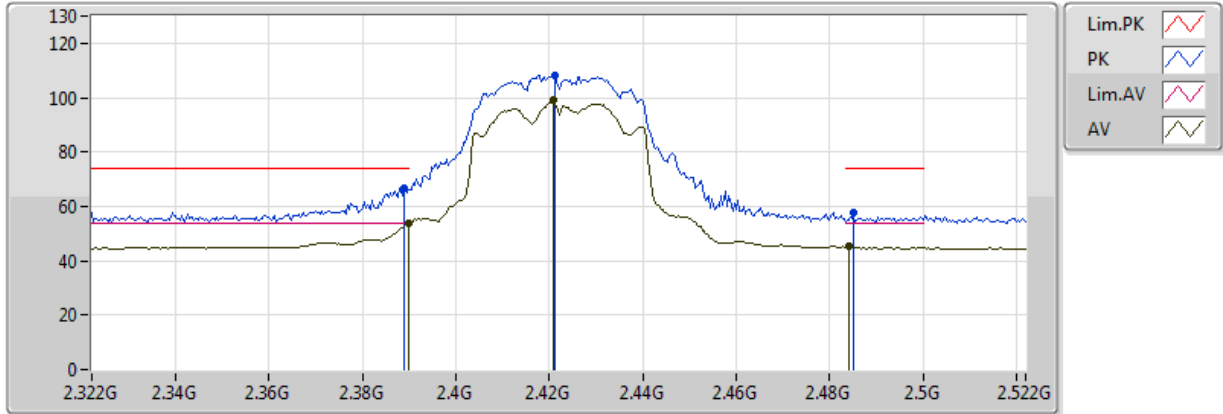


20171017  
EUT\_Z\_3TX  
Setting 17  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.93284G	33.22	54.00	-20.78	5.49	3	Horizontal	250	1.73
PK	4.91776G	46.45	74.00	-27.55	5.42	3	Horizontal	250	1.73

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2422MHz\_TX

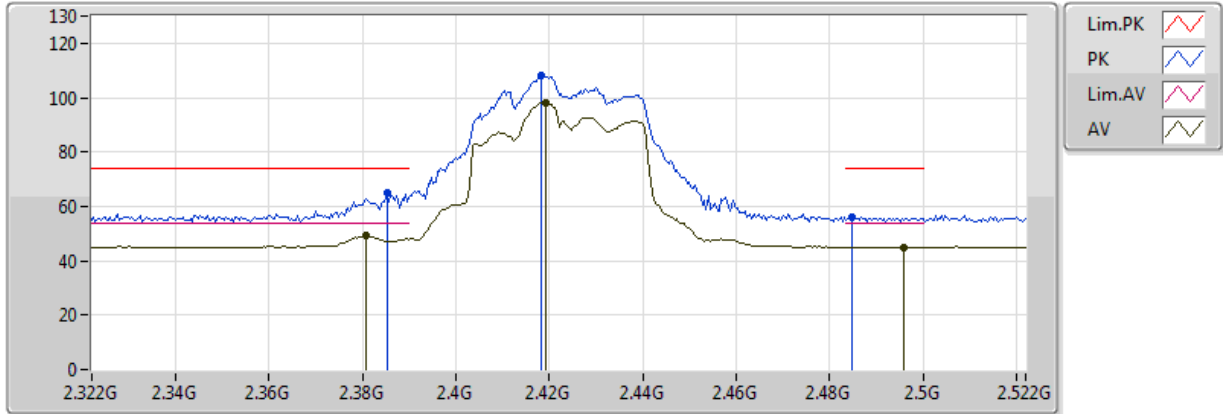


20171017  
EUT\_Z\_3TX  
Setting 16  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.39G	53.94	54.00	-0.06	32.28	3	Vertical	14	1.36
AV	2.4208G	99.02	Inf	-Inf	32.36	3	Vertical	14	1.36
AV	2.484G	45.63	54.00	-8.37	32.53	3	Vertical	14	1.36
PK	2.3888G	66.81	74.00	-7.19	32.28	3	Vertical	14	1.36
PK	2.4212G	108.38	Inf	-Inf	32.37	3	Vertical	14	1.36
PK	2.4852G	57.52	74.00	-16.48	32.53	3	Vertical	14	1.36

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2422MHz\_TX

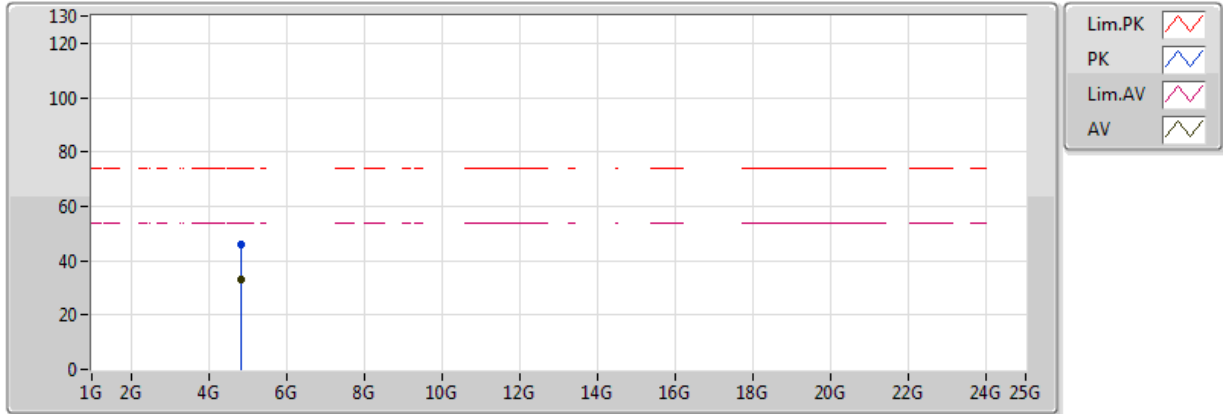


20171017  
EUT\_Z\_3TX  
Setting 16  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3808G	49.12	54.00	-4.88	32.26	3	Horizontal	209	1.00
AV	2.4192G	98.16	Inf	-Inf	32.36	3	Horizontal	209	1.00
AV	2.496G	44.98	54.00	-9.02	32.56	3	Horizontal	209	1.00
PK	2.3852G	64.78	74.00	-9.22	32.27	3	Horizontal	209	1.00
PK	2.4184G	108.22	Inf	-Inf	32.36	3	Horizontal	209	1.00
PK	2.4848G	56.21	74.00	-17.79	32.53	3	Horizontal	209	1.00

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2422MHz\_TX

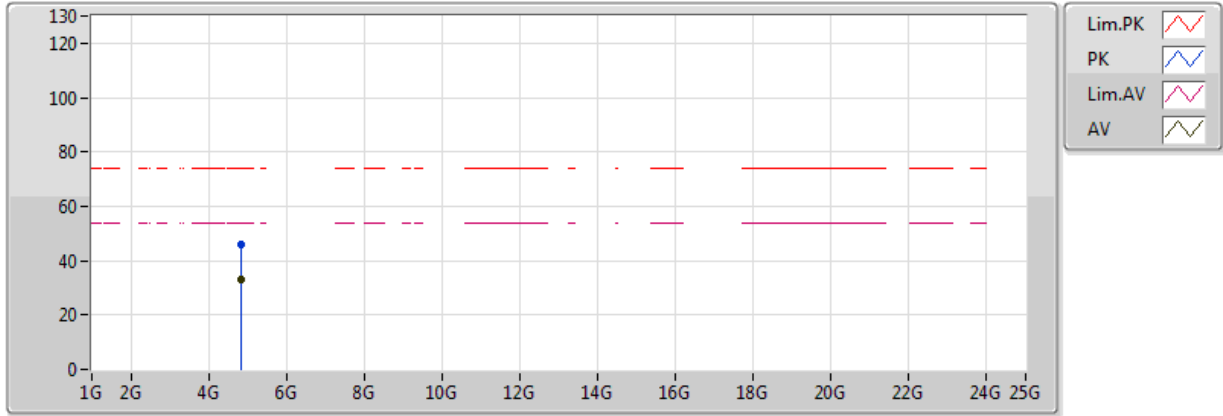


20171017  
 EUT\_Z\_3TX  
 Setting 16  
 03-Z-1  
 FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.84812G	32.85	54.00	-21.15	5.11	3	Vertical	204	2.01
PK	4.83424G	46.20	74.00	-27.80	5.05	3	Vertical	204	2.01

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2422MHz\_TX

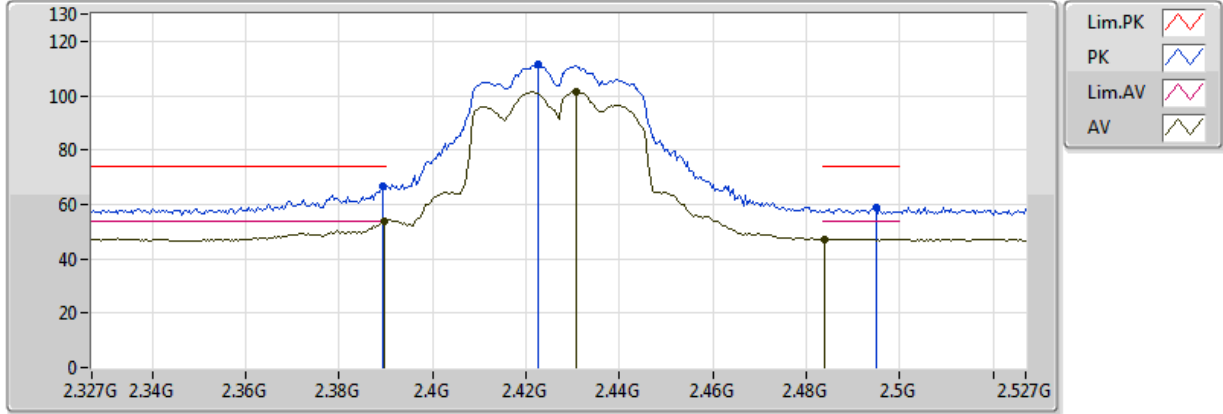


20171017  
EUT\_Z\_3TX  
Setting 16  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.83408G	32.79	54.00	-21.21	5.05	3	Horizontal	31	1.01
PK	4.8416G	45.88	74.00	-28.12	5.08	3	Horizontal	31	1.01

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2427MHz\_TX

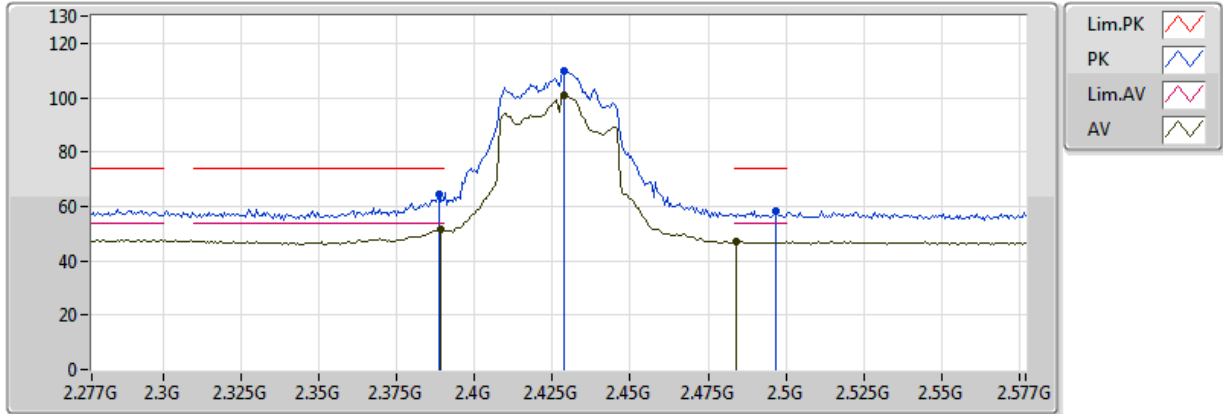


20171023  
EUT\_Z\_3TX  
Setting 18  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3898G	53.89	54.00	-0.11	33.15	3	Vertical	242	1.48
AV	2.4306G	101.48	Inf	-Inf	33.16	3	Vertical	242	1.48
AV	2.4838G	47.28	54.00	-6.72	33.19	3	Vertical	242	1.48
PK	2.3894G	66.51	74.00	-7.49	33.15	3	Vertical	242	1.48
PK	2.4226G	111.51	Inf	-Inf	33.15	3	Vertical	242	1.48
PK	2.495G	58.57	74.00	-15.43	33.20	3	Vertical	242	1.48

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2427MHz\_TX



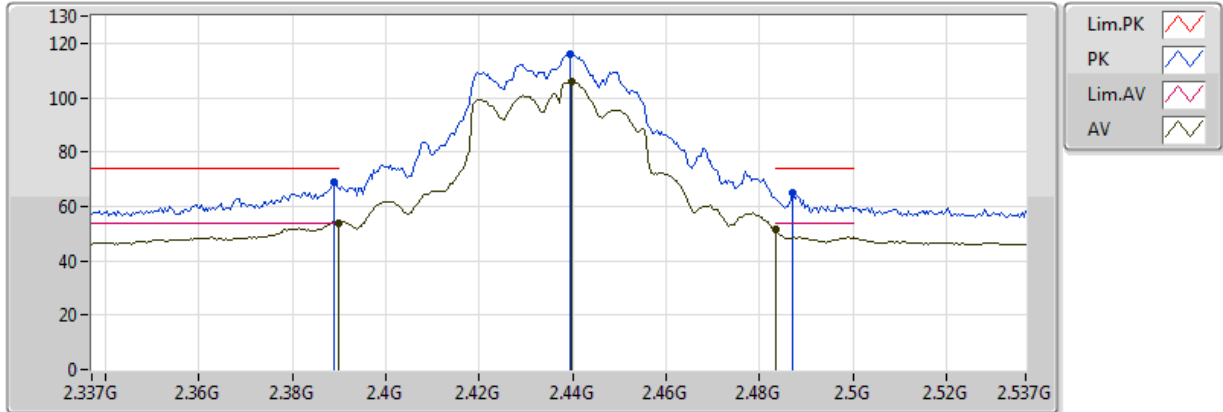
20171023  
EUT\_Z\_3TX  
Setting 18  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3892G	51.36	54.00	-2.64	33.15	3	Horizontal	72	1.01
AV	2.4288G	100.88	Inf	-Inf	33.16	3	Horizontal	72	1.01
AV	2.484G	47.02	54.00	-6.98	33.19	3	Horizontal	72	1.01
PK	2.3886G	64.20	74.00	-9.80	33.15	3	Horizontal	72	1.01
PK	2.4288G	109.63	Inf	-Inf	33.16	3	Horizontal	72	1.01
PK	2.4966G	58.52	74.00	-15.48	33.20	3	Horizontal	72	1.01



### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

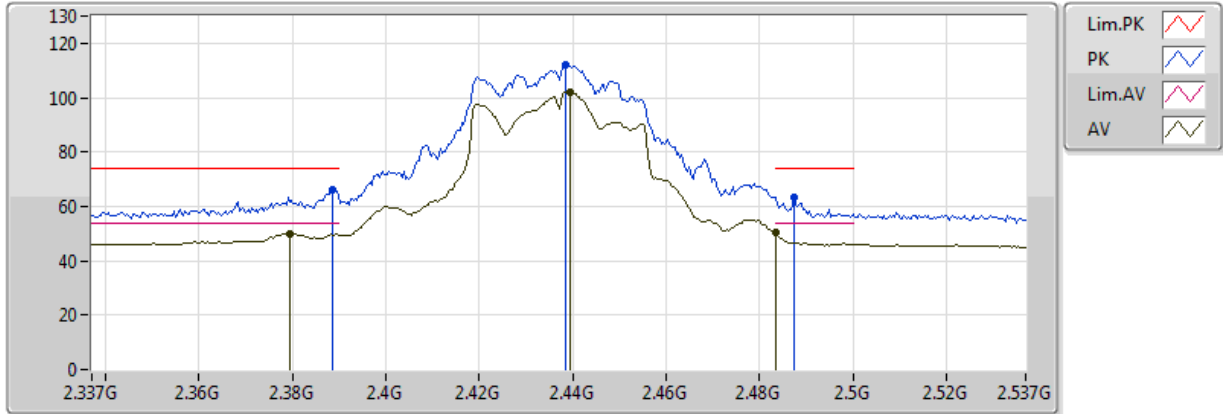


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.389998G	53.95	54.00	-0.05	32.28	3	Vertical	319	1.29
AV	2.4398G	105.74	Inf	-Inf	32.41	3	Vertical	319	1.29
AV	2.483502G	51.35	54.00	-2.65	32.53	3	Vertical	319	1.29
PK	2.389G	68.69	74.00	-5.31	32.28	3	Vertical	319	1.29
PK	2.4394G	115.93	Inf	-Inf	32.41	3	Vertical	319	1.29
PK	2.487G	65.07	74.00	-8.93	32.54	3	Vertical	319	1.29

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

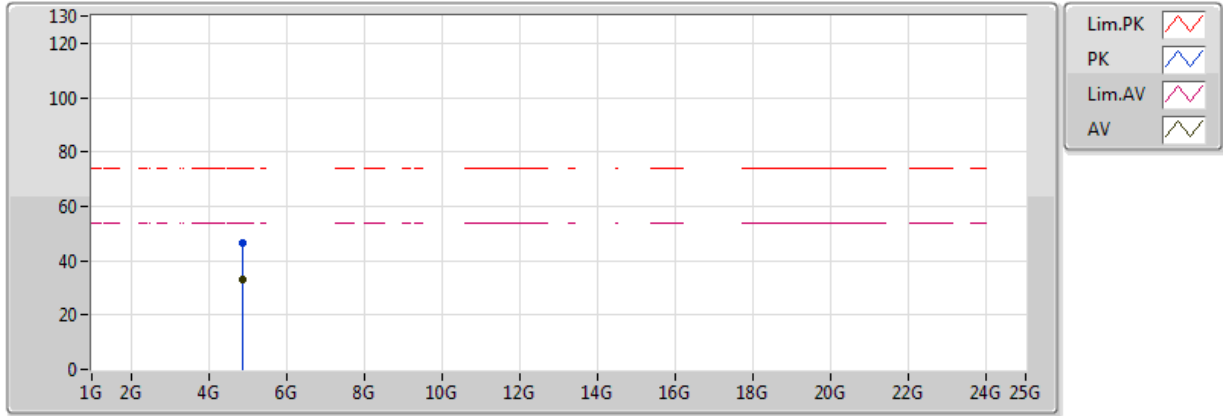


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3794G	50.06	54.00	-3.94	32.26	3	Horizontal	77	1.00
AV	2.4394G	102.20	Inf	-Inf	32.41	3	Horizontal	77	1.00
AV	2.483502G	50.27	54.00	-3.73	32.53	3	Horizontal	77	1.00
PK	2.3886G	66.15	74.00	-7.85	32.28	3	Horizontal	77	1.00
PK	2.4386G	112.09	Inf	-Inf	32.41	3	Horizontal	77	1.00
PK	2.4874G	63.26	74.00	-10.74	32.54	3	Horizontal	77	1.00

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

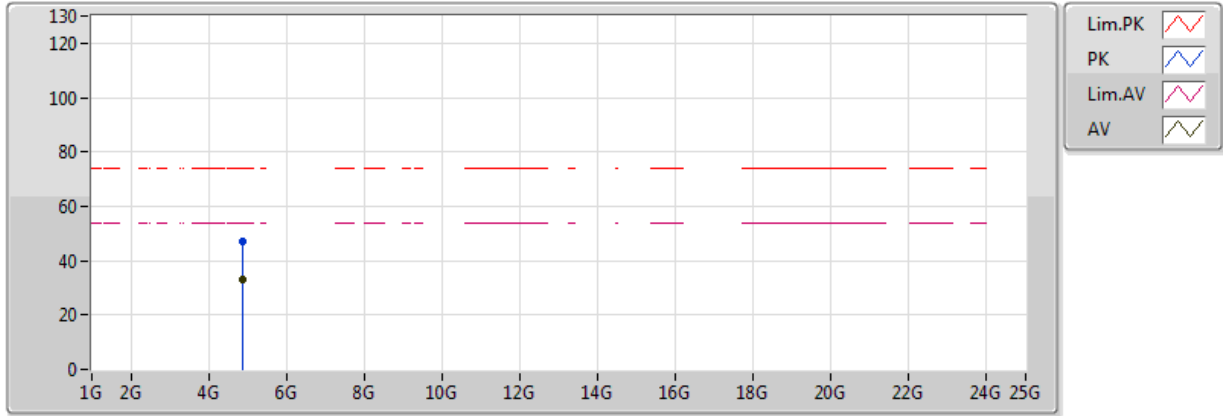


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.88104G	33.33	54.00	-20.67	5.26	3	Vertical	254	1.67
PK	4.88888G	46.42	74.00	-27.58	5.29	3	Vertical	254	1.67

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2437MHz\_TX

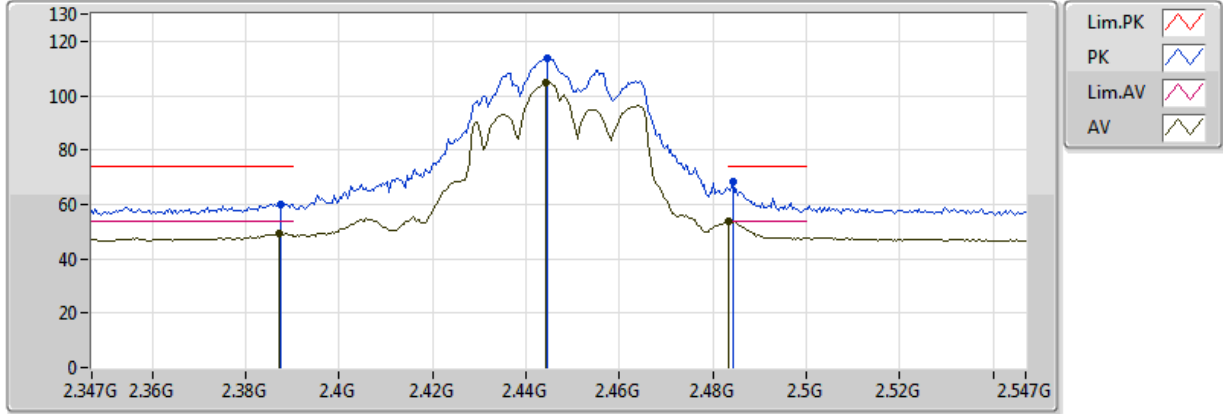


20171017  
EUT\_Z\_3TX  
Setting 20  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.88944G	33.16	54.00	-20.84	5.29	3	Horizontal	273	2.31
PK	4.8756G	46.84	74.00	-27.16	5.23	3	Horizontal	273	2.31

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2447MHz\_TX

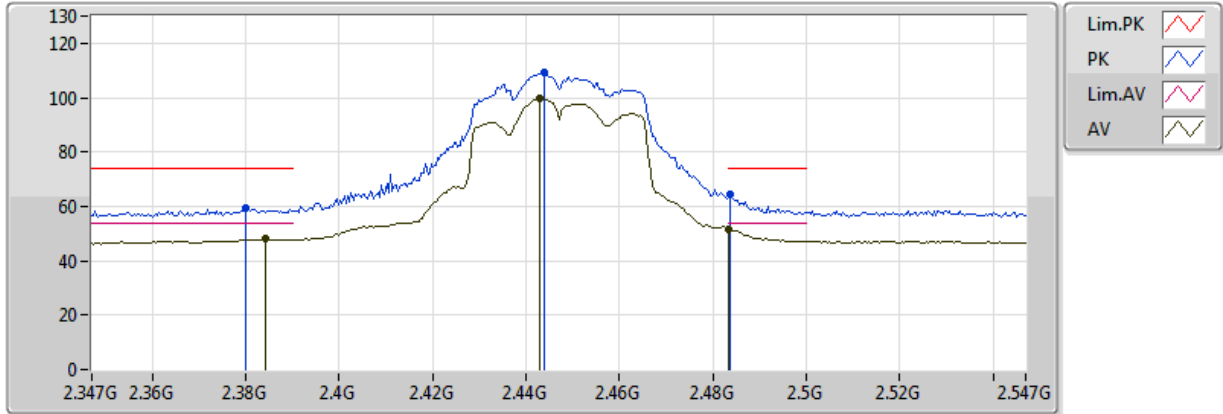


20171023  
EUT\_Z\_3TX  
Setting 18  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.387G	49.13	54.00	-4.87	33.15	3	Vertical	273	1.47
AV	2.4442G	104.64	Inf	-Inf	33.17	3	Vertical	273	1.47
AV	2.483502G	53.77	54.00	-0.23	33.19	3	Vertical	273	1.47
PK	2.3874G	59.95	74.00	-14.05	33.15	3	Vertical	273	1.47
PK	2.4446G	113.62	Inf	-Inf	33.17	3	Vertical	273	1.47
PK	2.4842G	68.44	74.00	-5.56	33.19	3	Vertical	273	1.47

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2447MHz\_TX

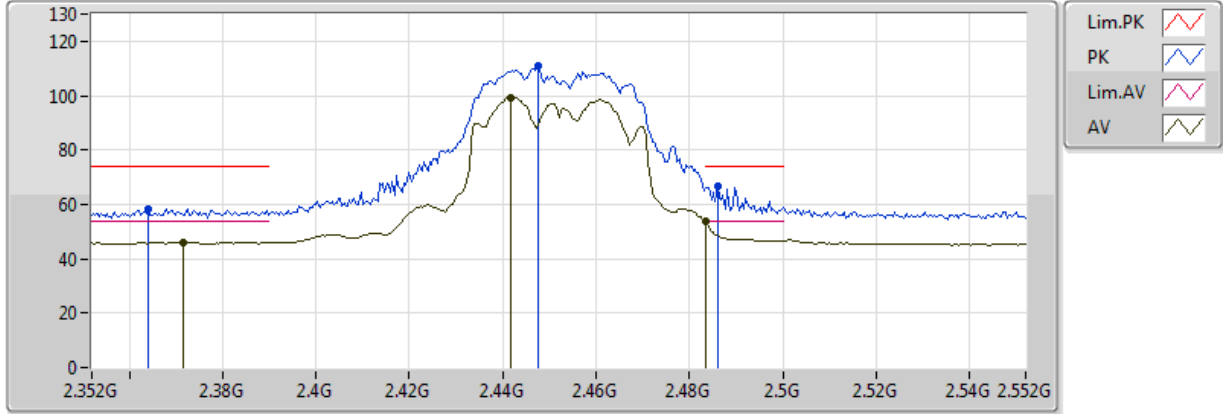


20171023  
EUT\_Z\_3TX  
Setting 18  
04-W-3  
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3842G	47.95	54.00	-6.05	33.15	3	Horizontal	211	1.01
AV	2.443G	99.67	Inf	-Inf	33.17	3	Horizontal	211	1.01
AV	2.483502G	51.83	54.00	-2.17	33.19	3	Horizontal	211	1.01
PK	2.3798G	59.25	74.00	-14.75	33.15	3	Horizontal	211	1.01
PK	2.4438G	109.14	Inf	-Inf	33.17	3	Horizontal	211	1.01
PK	2.4838G	64.67	74.00	-9.33	33.19	3	Horizontal	211	1.01

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2452MHz\_TX

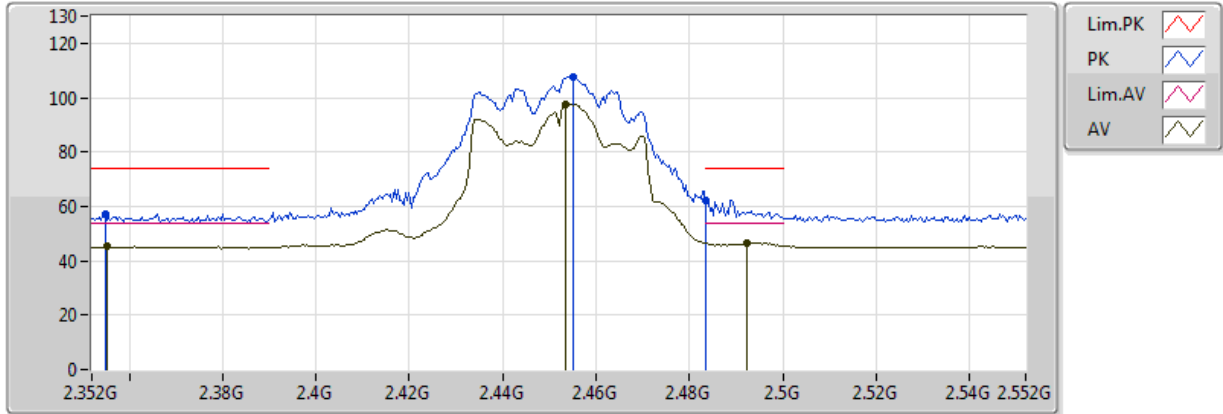


20171017  
EUT\_Z\_3TX  
Setting 16  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3716G	46.08	54.00	-7.92	32.24	3	Vertical	214	1.62
AV	2.4416G	99.26	Inf	-Inf	32.42	3	Vertical	214	1.62
AV	2.4836G	53.88	54.00	-0.12	32.53	3	Vertical	214	1.62
PK	2.364G	58.27	74.00	-15.73	32.22	3	Vertical	214	1.62
PK	2.4476G	111.03	Inf	-Inf	32.43	3	Vertical	214	1.62
PK	2.486G	66.66	74.00	-7.34	32.53	3	Vertical	214	1.62

### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2452MHz\_TX



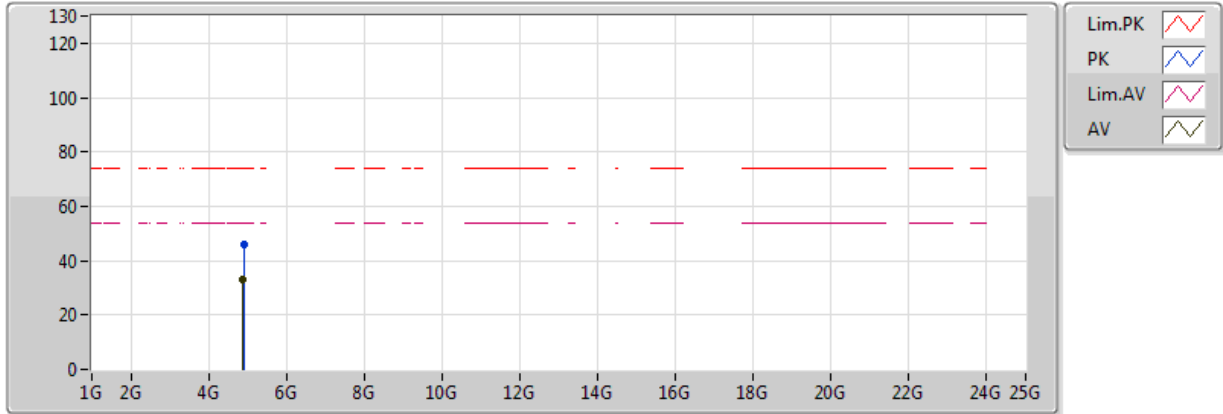
20171017  
EUT\_Z\_3TX  
Setting 16  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	2.3552G	45.22	54.00	-8.78	32.20	3	Horizontal	80	1.05
AV	2.4536G	97.74	Inf	-Inf	32.45	3	Horizontal	80	1.05
AV	2.4924G	46.64	54.00	-7.36	32.55	3	Horizontal	80	1.05
PK	2.3548G	57.26	74.00	-16.74	32.20	3	Horizontal	80	1.05
PK	2.4552G	107.76	Inf	-Inf	32.45	3	Horizontal	80	1.05
PK	2.4836G	62.39	74.00	-11.61	32.53	3	Horizontal	80	1.05



### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2452MHz\_TX

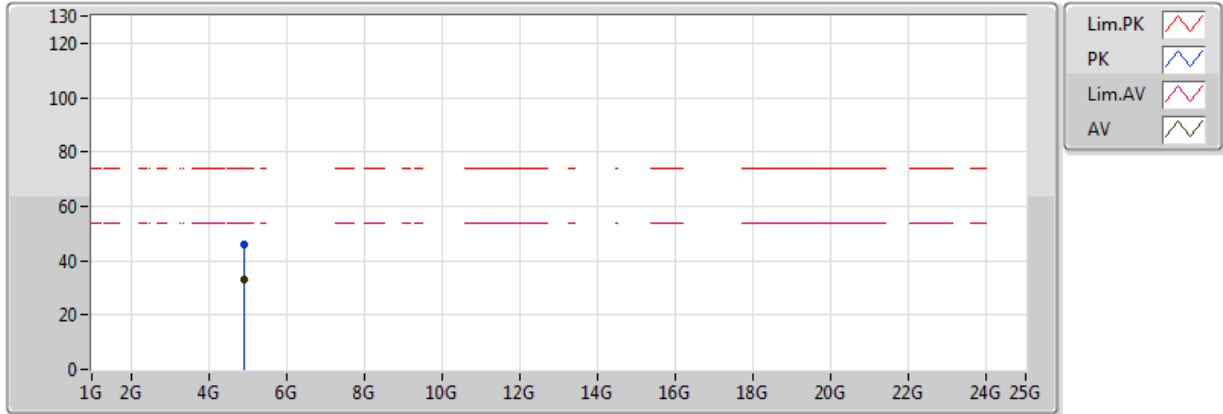


20171017  
EUT\_Z\_3TX  
Setting 16  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.88712G	33.02	54.00	-20.98	5.28	3	Vertical	107	2.50
PK	4.92336G	45.97	74.00	-28.03	5.45	3	Vertical	107	2.50

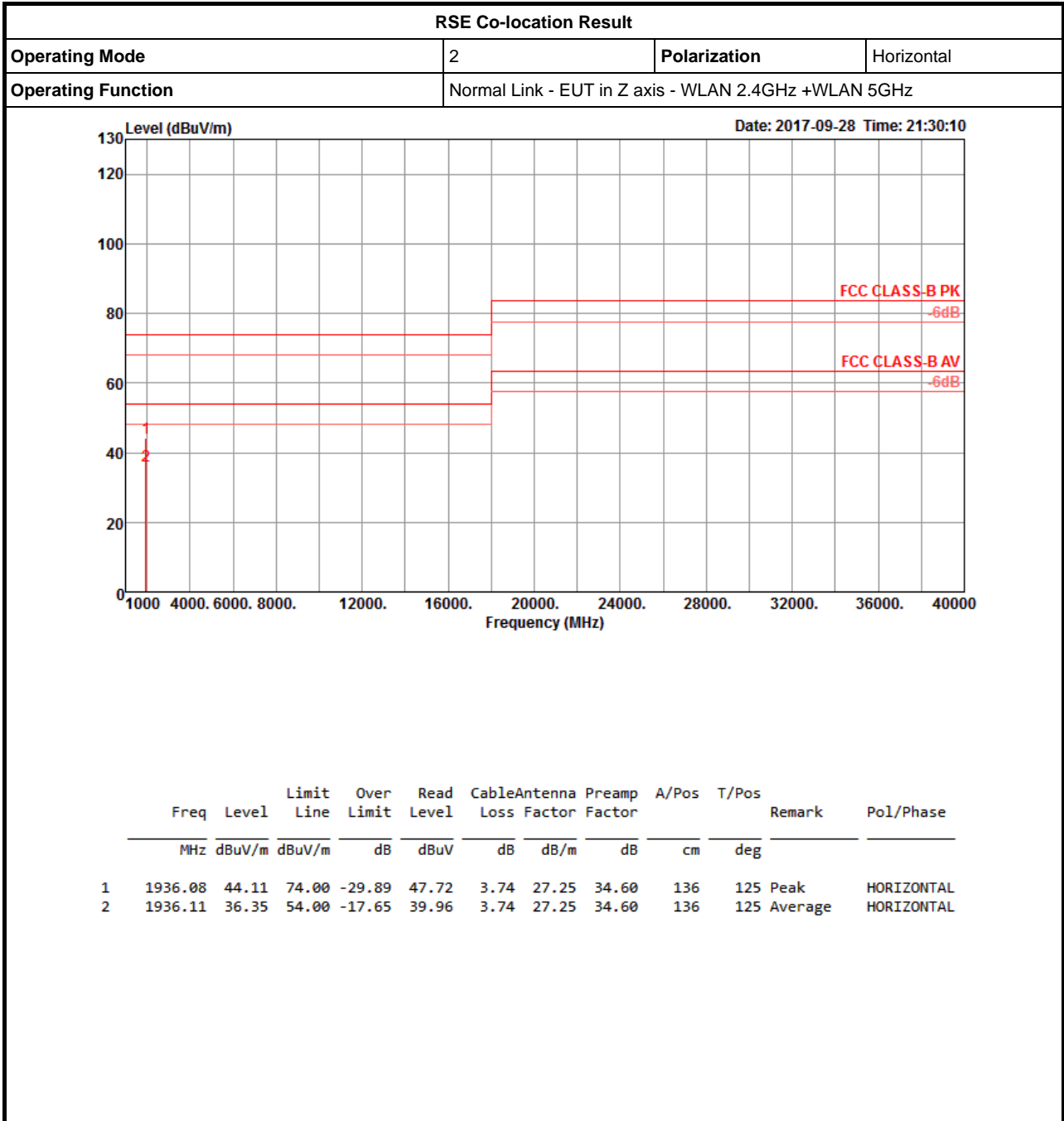
### 802.11n HT40\_Nss1,(MCS0)\_3TX

### 2452MHz\_TX



20171017  
EUT\_Z\_3TX  
Setting 16  
03-Z-1  
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	4.92368G	32.97	54.00	-21.03	5.45	3	Horizontal	249	2.37
PK	4.9084G	46.03	74.00	-27.97	5.38	3	Horizontal	249	2.37





# RSE Co-location Result

Appendix G

