

# FCC Test Report

Equipment : Smart Wi-Fi Plug with Energy Monitoring  
Brand Name : TP-Link  
Model No. : HS110  
FCC ID : TE7HS110V2  
Standard : 47 CFR FCC Part 15.247  
Operating Band : 2400 MHz – 2483.5 MHz  
Function :  Point-to-multipoint;  Point-to-point  
Applicant / Manufacturer : TP-Link Technologies Co., Ltd.  
Building 24(floors1,3,4,5) and 28(floors1-4) Central  
Science and Technology Park, Shennan Rd,  
Nanshan, Shenzhen, China

The product sample received on Mar. 29, 2017 and completely tested on Aug. 01, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

  
Phoenix Chen  
SPORTON INTERNATIONAL INC.





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### Summary of Test Result

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



### Revision History

Report No.	Version	Description	Issued Date
FR731423AC	Rev. 01	Initial issue of report	Sep. 29, 2017

# 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	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX

Note:

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

### 1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	-	PIFA Antenna	mini Murata	2.48

### 1.1.3 EUT Information

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

### 1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.995	0.022	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.975	0.11	2.026m	1k
802.11n HT20	0.972	0.123	1.889m	1k
802.11n HT40	0.945	0.246	929.375u	3k

## 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
- ◆ ANSI C63.4-2014
- ◆ KDB 558074 D01 v04

## 1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Gary	23.3°C / 62.8%	12/Apr/2017
Radiated	03CH03-HY	Lynus	23.5°C / 58%	11/Apr/2017
AC Conduction	CO04-HY	Jian	25°C / 57%	01/Aug/2017

## 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

### 2.2 Test Channel Mode




Test Software Version	ART2_1oE 2.3
-----------------------	--------------

Mode	Power Setting
802.11b_(1Mbps)_1TX	-
2412MHz	21.5
2437MHz	23
2462MHz	22.5
802.11g_(6Mbps)_1TX	-
2412MHz	16.5
2437MHz	25
2462MHz	15.5
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	15.5
2437MHz	24.5
2462MHz	15
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	14.5
2437MHz	17.5
2452MHz	14.5

### 2.3 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	CTX
1	USB Mode

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	CTX		
1	USB Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	





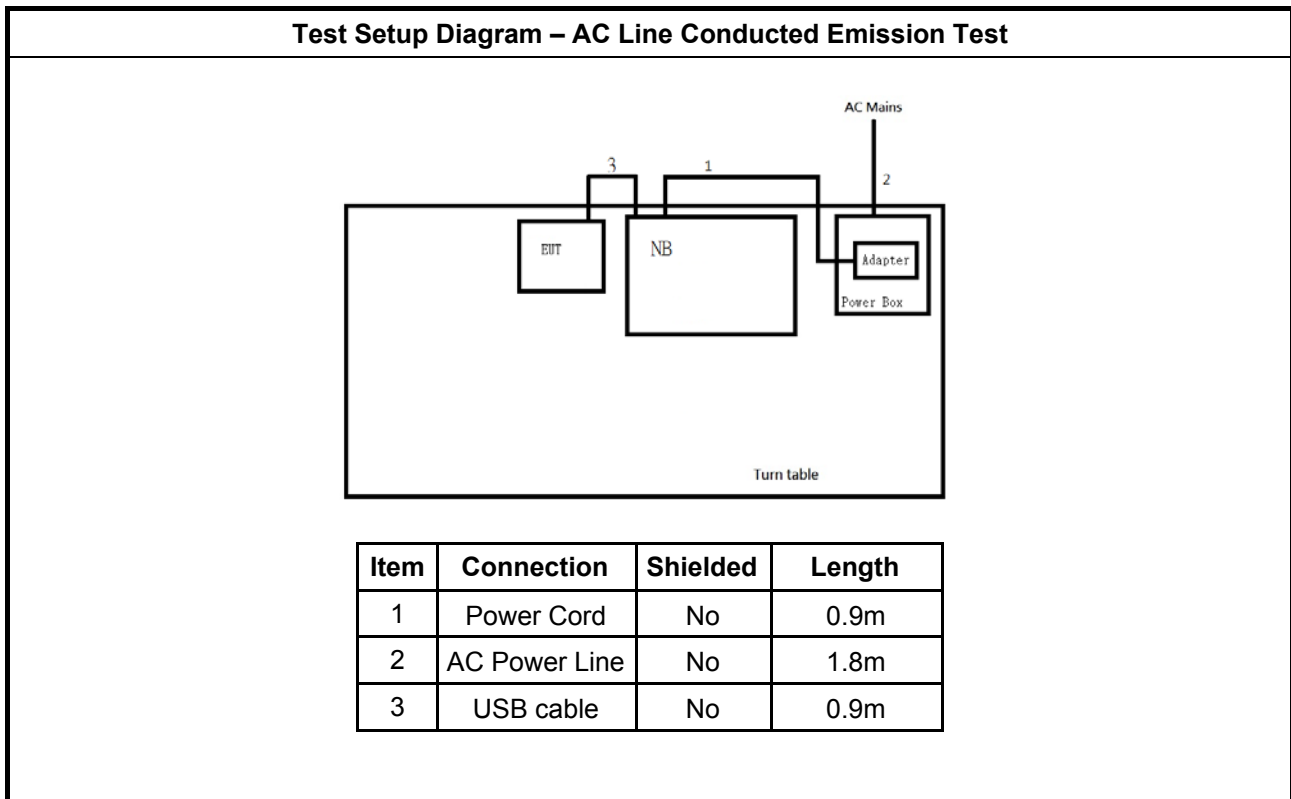
## 2.4 Support Equipment

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E6400	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

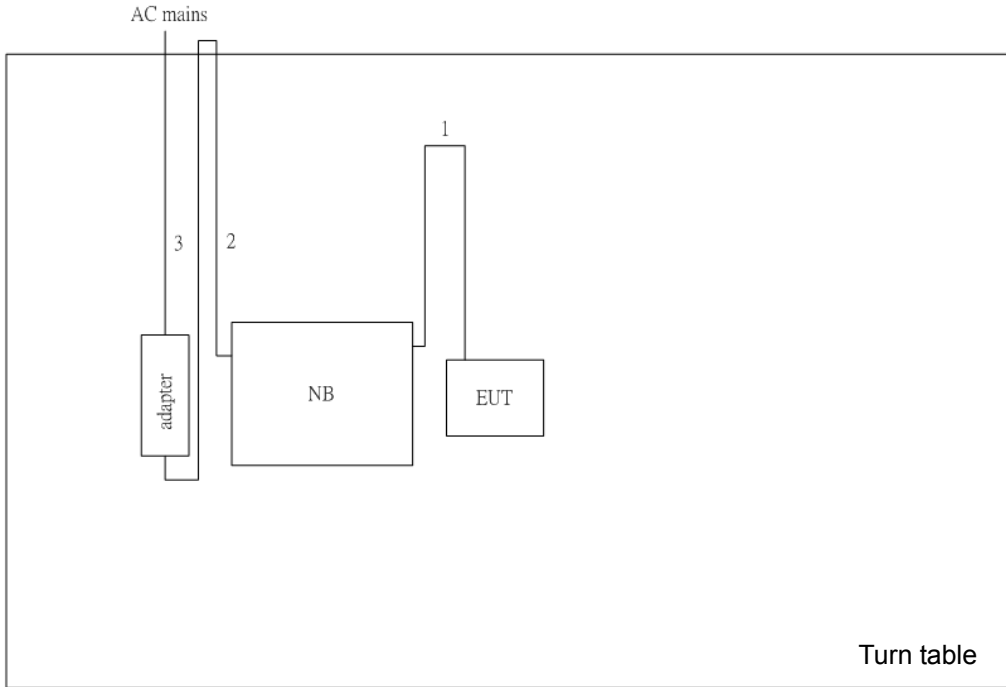
Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	LA65NS2-01	DoC

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	LA65NS2-01	DoC

## 2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	USB cable	No	0.9m
2	DC Power cable	No	1.5m
3	AC Power cable	No	1.5m

### 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.

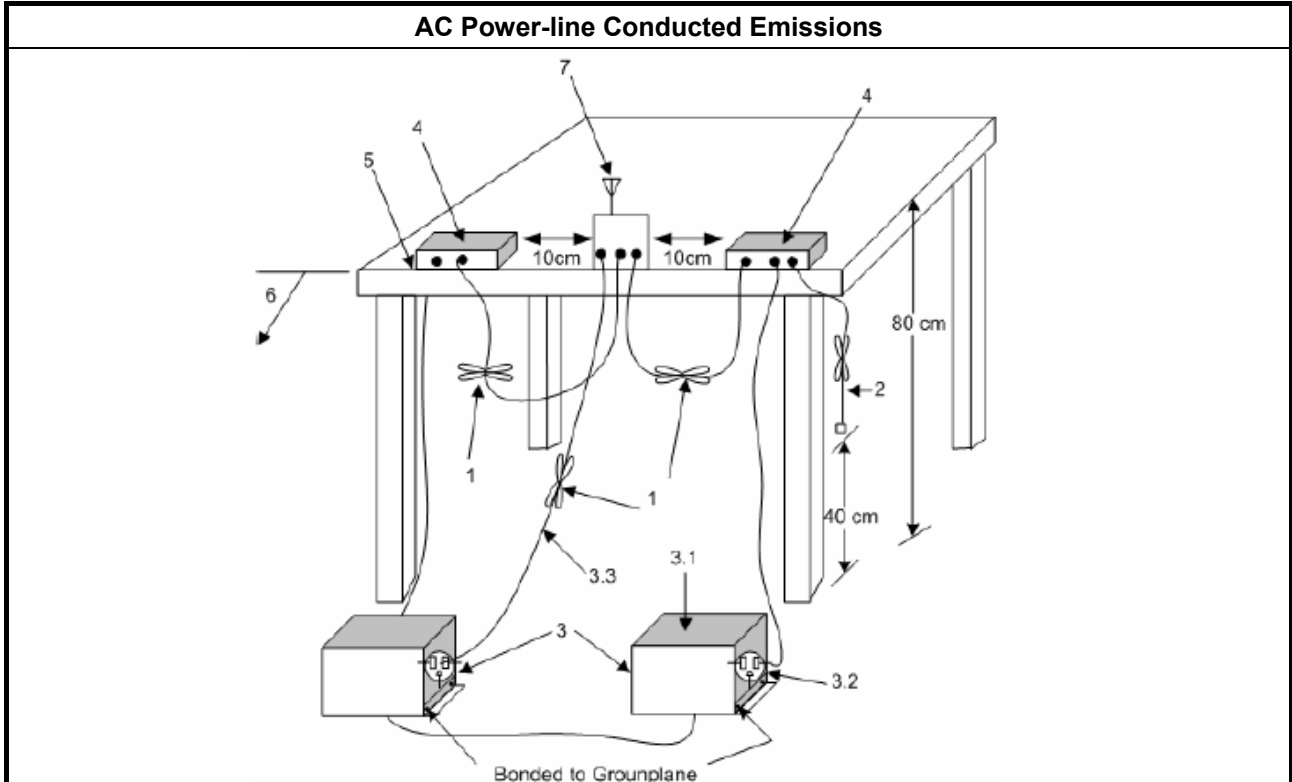
##### 3.1.2 Measuring Instruments

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>

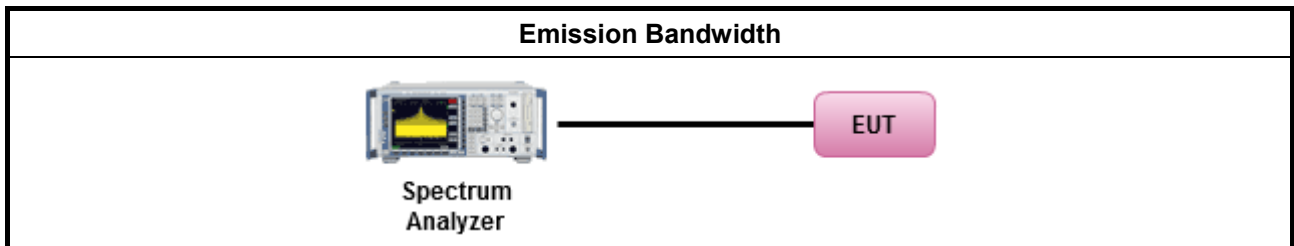
#### 3.2.2 Measuring Instruments

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 KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as RSS-Gen, clause 6.6 for for occupied bandwidth testing.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> <li>▪ If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS):               <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> <li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> <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> dBm</li> </ul> </li> </ul>
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> <li>▪ 2400-2483.5 MHz Band</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): <math>P_{eirp} \leq 36</math> dBm (4 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS)               <ul style="list-style-type: none"> <li>- Single beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> <li>- Overlap beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> <li>- Aggregate power on all beams: <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])</math> dBm</li> </ul> </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.	

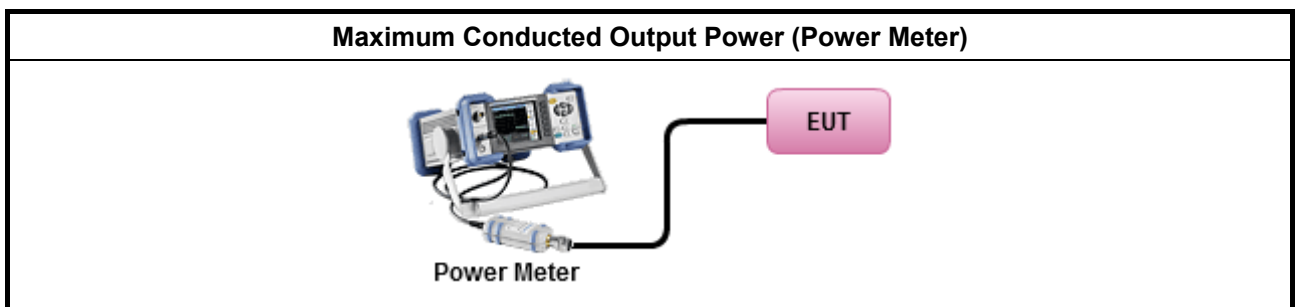
#### 3.3.2 Measuring Instruments

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 KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
<ul style="list-style-type: none"> <li>Maximum Average Conducted Output Power</li> </ul>	
Duty cycle ≥ 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
Duty cycle < 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
<ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul>	
<ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>	

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

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

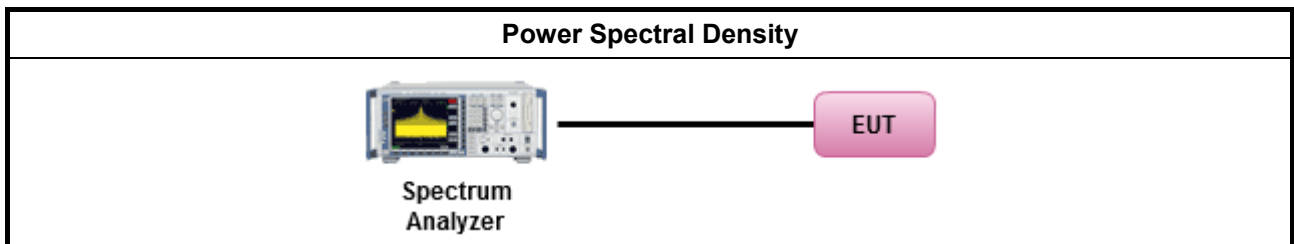
#### 3.4.2 Measuring Instruments

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 KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).	
<ul style="list-style-type: none"> <li>▪ For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ If The EUT supports multiple transmit chains using options given below:</li> </ul>	
<input type="checkbox"/>	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



### 3.5 Emissions in Non-restricted Frequency Bands

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

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

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.

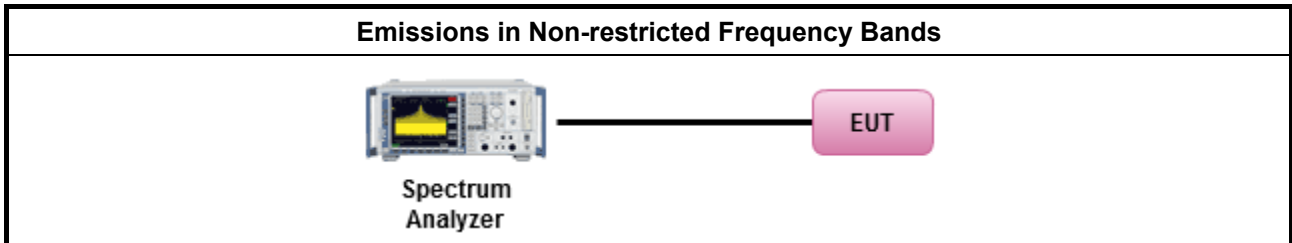
#### 3.5.2 Measuring Instruments

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

#### 3.5.4 Test Setup



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

Refer as Appendix E

### 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

#### 3.6.2 Measuring Instruments

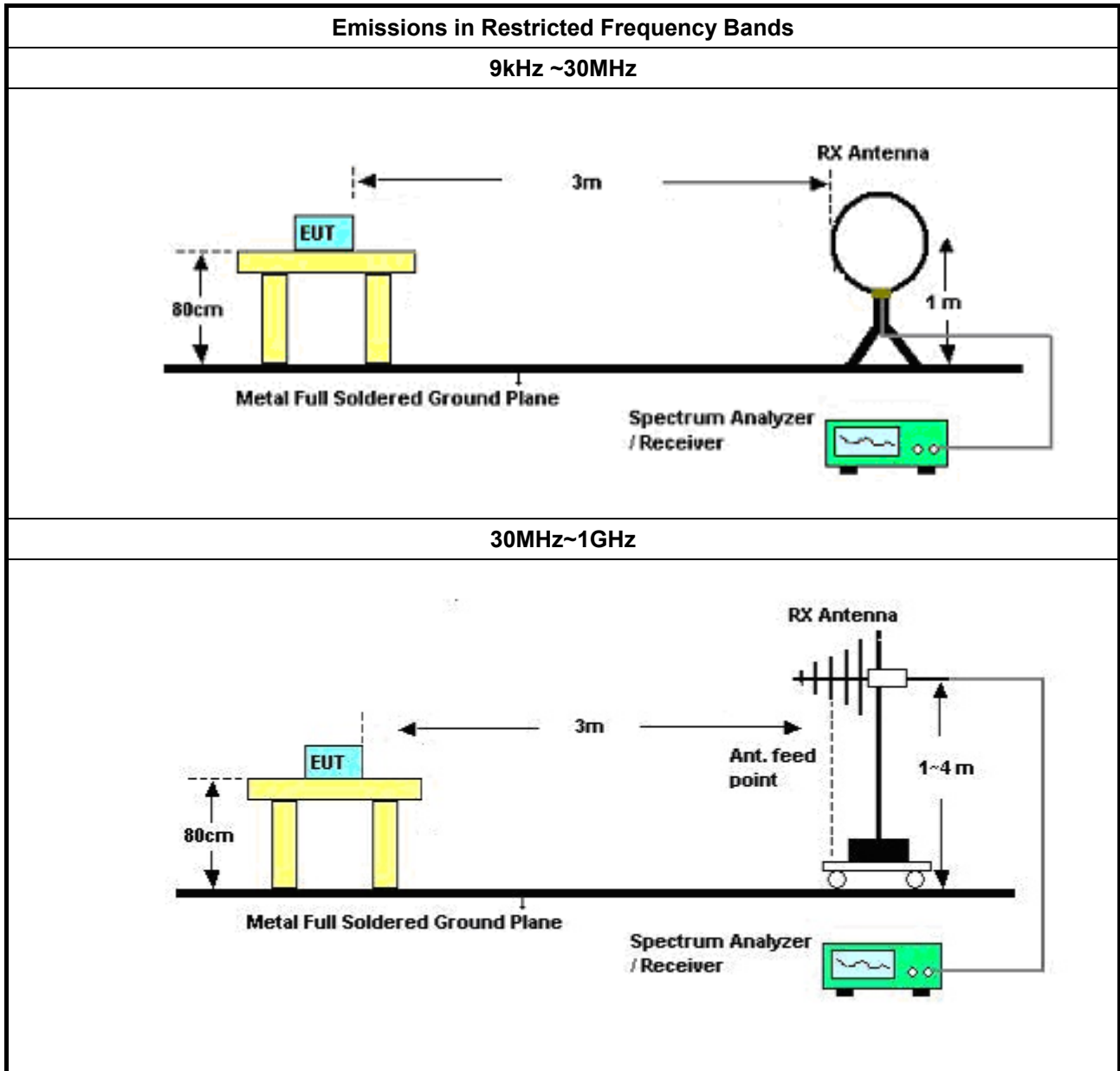
Refer a test equipment and calibration data table in this test report.

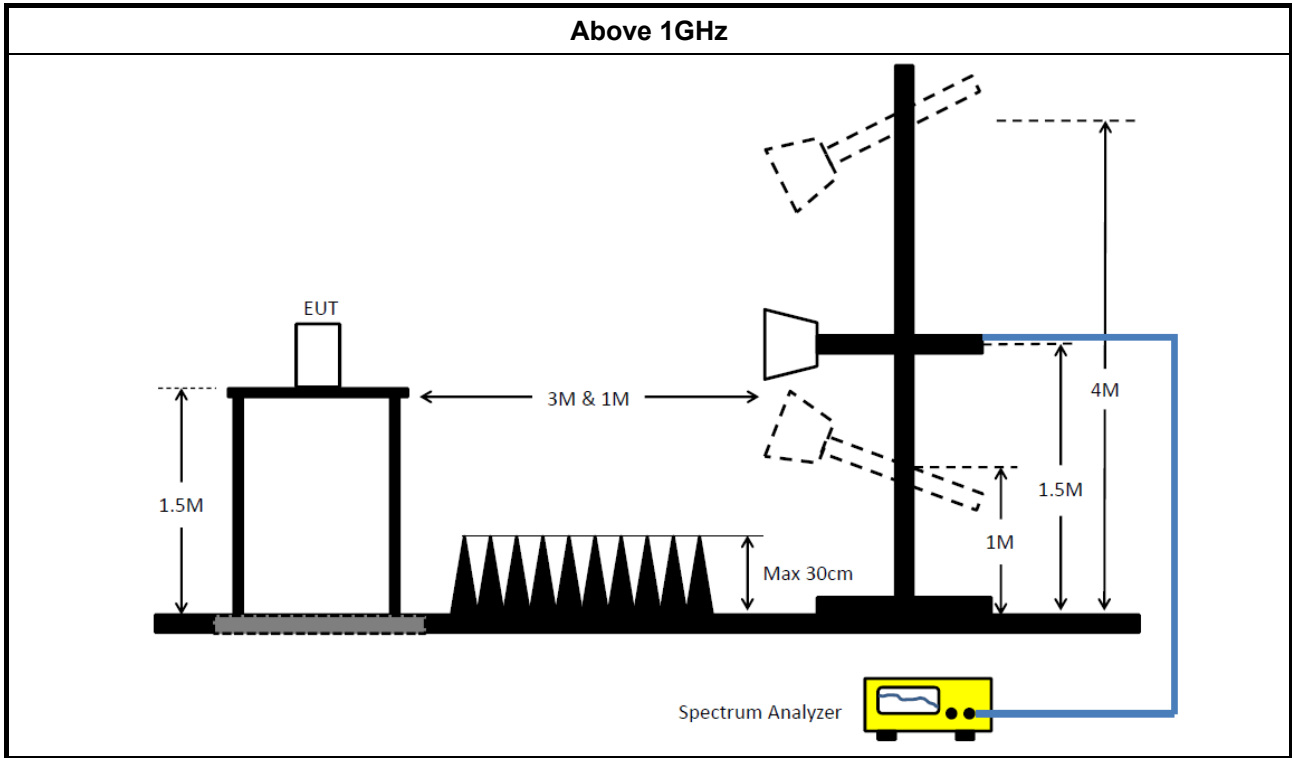


3.6.3 Test Procedures

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

3.6.4 Test Setup





**3.6.5 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)**

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 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 Emissions in Restricted Frequency Bands**

Refer as Appendix F



## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	14/Feb/2017	13/Feb/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

NCR: Non Calibration Require.

### Instrument for Radiated

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	10/May/2016	09/May/2017
Amplifier	KEYSIGHT	83017A	MY53270197	1GHz ~ 26.5GHz	29/Aug/2016	28/Aug/2017
Spectrum	R&S	FSV40	101515	9kHz ~ 40GHz	28/Nov/2016	27/Nov/2017
Bilog Antenna	SCHAFFNER	CBL 6112D	2723	30MHz ~ 1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz ~ 18GHz	22/Apr/2016	21/Apr/2017
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz ~ 40GHz	28/Oct/2016	27/Oct/2017
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	27/Oct/2016	26/Oct/2017



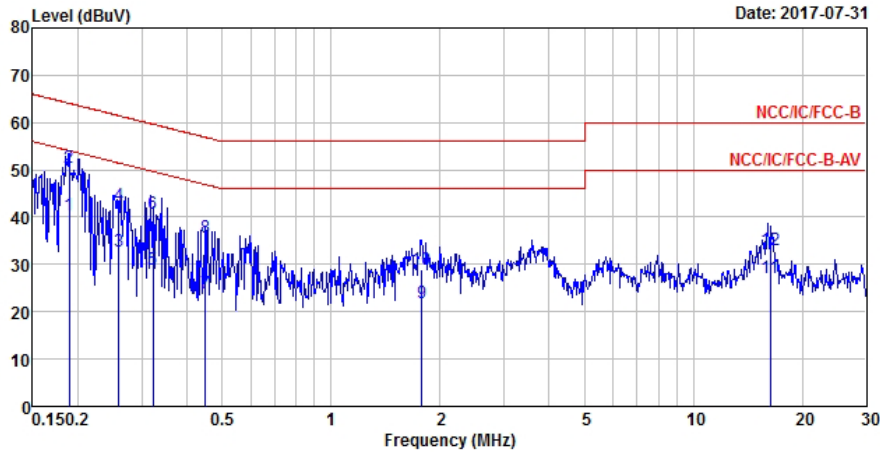
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz ~ 40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	USB Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.19	40.37	-13.69	54.06	30.42	9.66	0.29	Average
2	0.19	50.40	-13.66	64.06	40.45	9.66	0.29	QP
3	0.26	32.81	-18.66	51.47	22.92	9.66	0.23	Average
4	0.26	42.56	-18.91	61.47	32.67	9.66	0.23	QP
5	0.32	28.83	-20.83	49.66	19.03	9.64	0.16	Average
6	0.32	40.84	-18.82	59.66	31.04	9.64	0.16	QP
7	0.45	23.99	-22.90	46.89	14.26	9.63	0.10	Average
8	0.45	35.78	-21.11	56.89	26.05	9.63	0.10	QP
9	1.78	21.96	-24.04	46.00	12.05	9.64	0.27	Average
10	1.78	29.02	-26.98	56.00	19.11	9.64	0.27	QP
11	16.31	27.18	-22.82	50.00	17.13	9.85	0.20	Average
12	16.31	33.19	-26.81	60.00	23.14	9.85	0.20	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)





AC Power-line Conducted Emissions Result																																																																																																																																	
Operating Mode	1	Power Phase	Line																																																																																																																														
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<p style="text-align: right;">Date: 2017-07-31</p>																																																																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>Read Level</th> <th>LISN Factor</th> <th>Cable Loss</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr> <td style="background-color: #e0e0e0;">1</td> <td style="background-color: #e0e0e0;">MAX</td> <td style="background-color: #e0e0e0;">0.20</td> <td style="background-color: #e0e0e0;">42.04</td> <td style="background-color: #e0e0e0;">-11.76</td> <td style="background-color: #e0e0e0;">53.80</td> <td style="background-color: #e0e0e0;">32.10</td> <td style="background-color: #e0e0e0;">9.65</td> <td style="background-color: #e0e0e0;">0.29 Average</td> </tr> <tr> <td>2</td> <td>0.20</td> <td>51.43</td> <td>-12.37</td> <td>63.80</td> <td>41.49</td> <td>9.65</td> <td>0.29</td> <td>QP</td> </tr> <tr> <td>3</td> <td>0.27</td> <td>32.31</td> <td>-18.85</td> <td>51.16</td> <td>22.44</td> <td>9.66</td> <td>0.21</td> <td>Average</td> </tr> <tr> <td>4</td> <td>0.27</td> <td>44.36</td> <td>-16.80</td> <td>61.16</td> <td>34.49</td> <td>9.66</td> <td>0.21</td> <td>QP</td> </tr> <tr> <td>5</td> <td>0.32</td> <td>31.81</td> <td>-17.81</td> <td>49.62</td> <td>21.98</td> <td>9.67</td> <td>0.16</td> <td>Average</td> </tr> <tr> <td>6</td> <td>0.32</td> <td>43.23</td> <td>-16.39</td> <td>59.62</td> <td>33.40</td> <td>9.67</td> <td>0.16</td> <td>QP</td> </tr> <tr> <td>7</td> <td>0.45</td> <td>25.88</td> <td>-21.01</td> <td>46.89</td> <td>16.11</td> <td>9.67</td> <td>0.10</td> <td>Average</td> </tr> <tr> <td>8</td> <td>0.45</td> <td>38.39</td> <td>-18.50</td> <td>56.89</td> <td>28.62</td> <td>9.67</td> <td>0.10</td> <td>QP</td> </tr> <tr> <td>9</td> <td>0.54</td> <td>25.02</td> <td>-20.98</td> <td>46.00</td> <td>15.26</td> <td>9.66</td> <td>0.10</td> <td>Average</td> </tr> <tr> <td>10</td> <td>0.54</td> <td>37.63</td> <td>-18.37</td> <td>56.00</td> <td>27.87</td> <td>9.66</td> <td>0.10</td> <td>QP</td> </tr> <tr> <td>11</td> <td>0.69</td> <td>24.76</td> <td>-21.24</td> <td>46.00</td> <td>15.01</td> <td>9.65</td> <td>0.10</td> <td>Average</td> </tr> <tr> <td>12</td> <td>0.69</td> <td>36.20</td> <td>-19.80</td> <td>56.00</td> <td>26.45</td> <td>9.65</td> <td>0.10</td> <td>QP</td> </tr> </tbody> </table>					Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark		MHz	dBuV	dB	dBuV	dBuV	dB	dB		1	MAX	0.20	42.04	-11.76	53.80	32.10	9.65	0.29 Average	2	0.20	51.43	-12.37	63.80	41.49	9.65	0.29	QP	3	0.27	32.31	-18.85	51.16	22.44	9.66	0.21	Average	4	0.27	44.36	-16.80	61.16	34.49	9.66	0.21	QP	5	0.32	31.81	-17.81	49.62	21.98	9.67	0.16	Average	6	0.32	43.23	-16.39	59.62	33.40	9.67	0.16	QP	7	0.45	25.88	-21.01	46.89	16.11	9.67	0.10	Average	8	0.45	38.39	-18.50	56.89	28.62	9.67	0.10	QP	9	0.54	25.02	-20.98	46.00	15.26	9.66	0.10	Average	10	0.54	37.63	-18.37	56.00	27.87	9.66	0.10	QP	11	0.69	24.76	-21.24	46.00	15.01	9.65	0.10	Average	12	0.69	36.20	-19.80	56.00	26.45	9.65	0.10	QP
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**Summary**

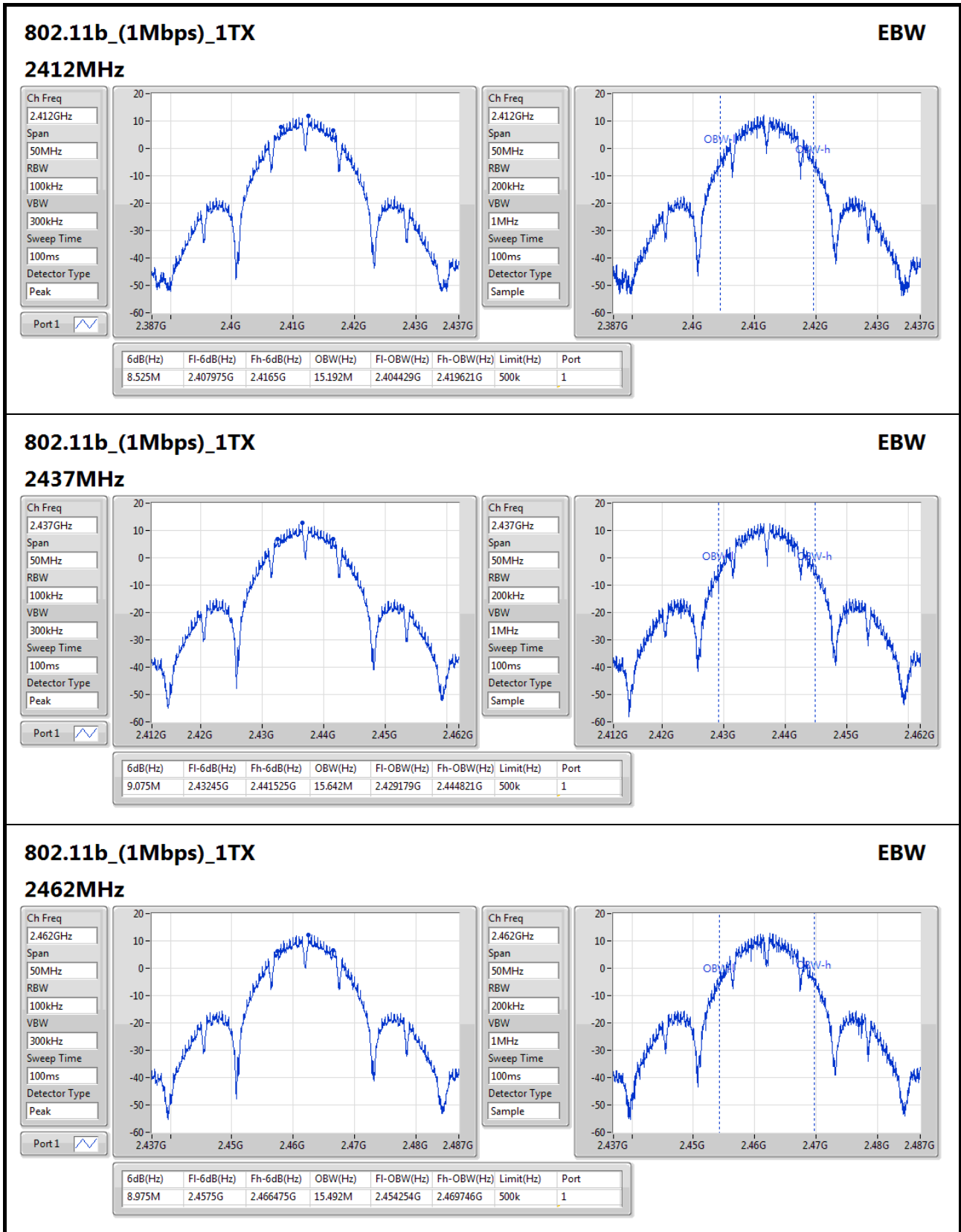
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	9.075M	15.642M	15M6G1D	8.525M	15.192M
802.11g_(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.35M	30.185M	30M2D1D	16.275M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	17.3M	29.435M	29M4D1D	16.9M	17.666M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	33.8M	36.232M	36M2D1D	31.35M	35.982M

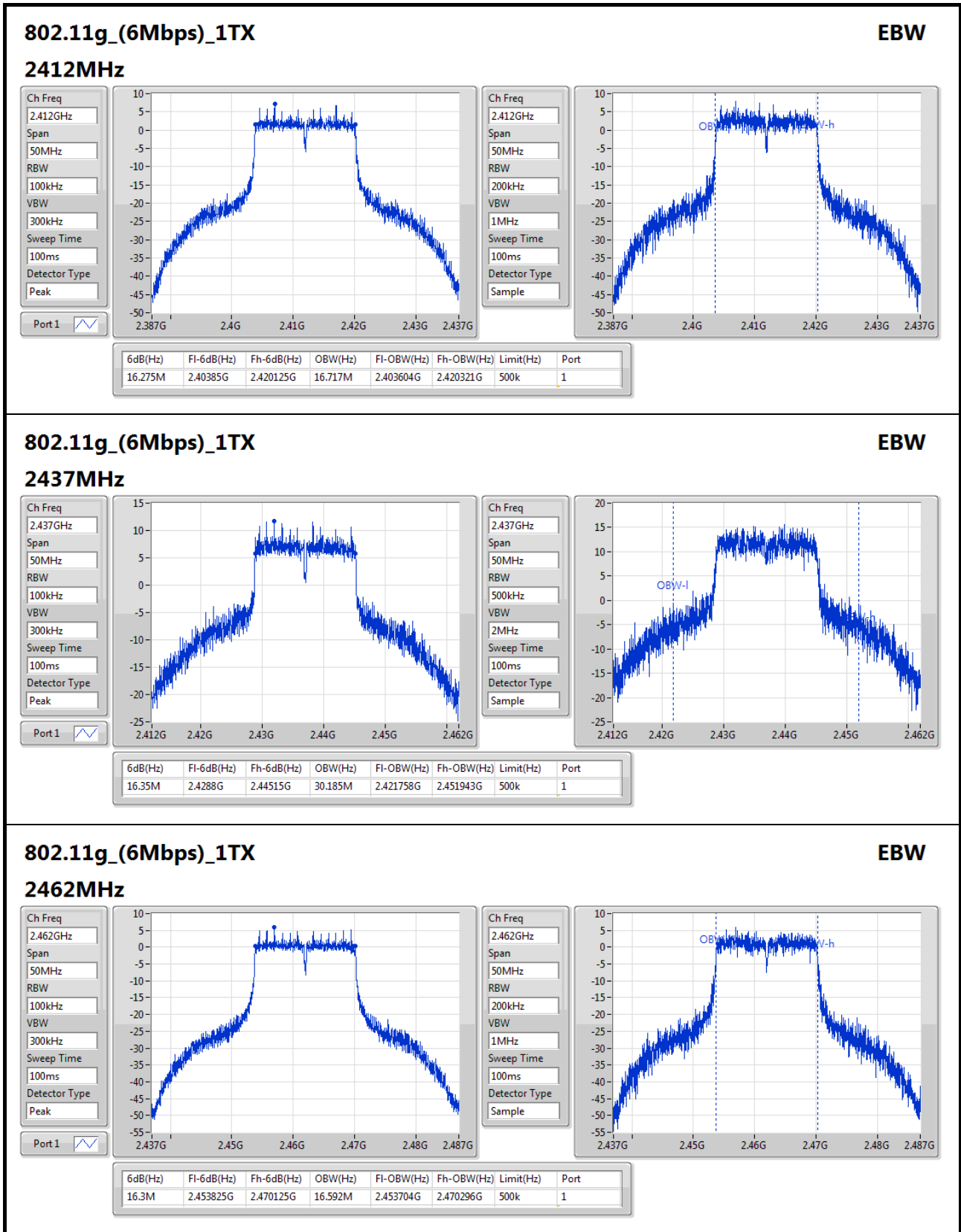
**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

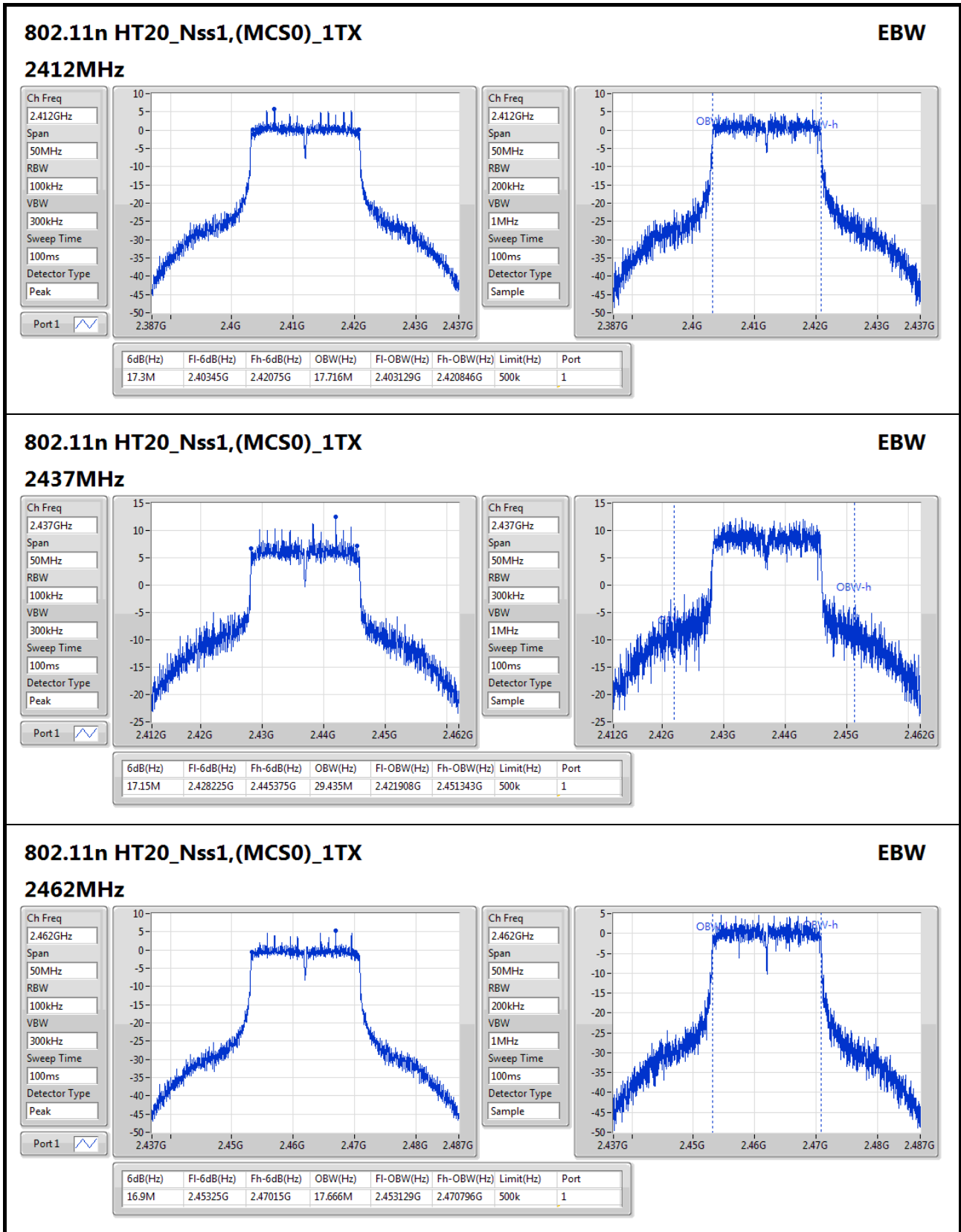
**Result**

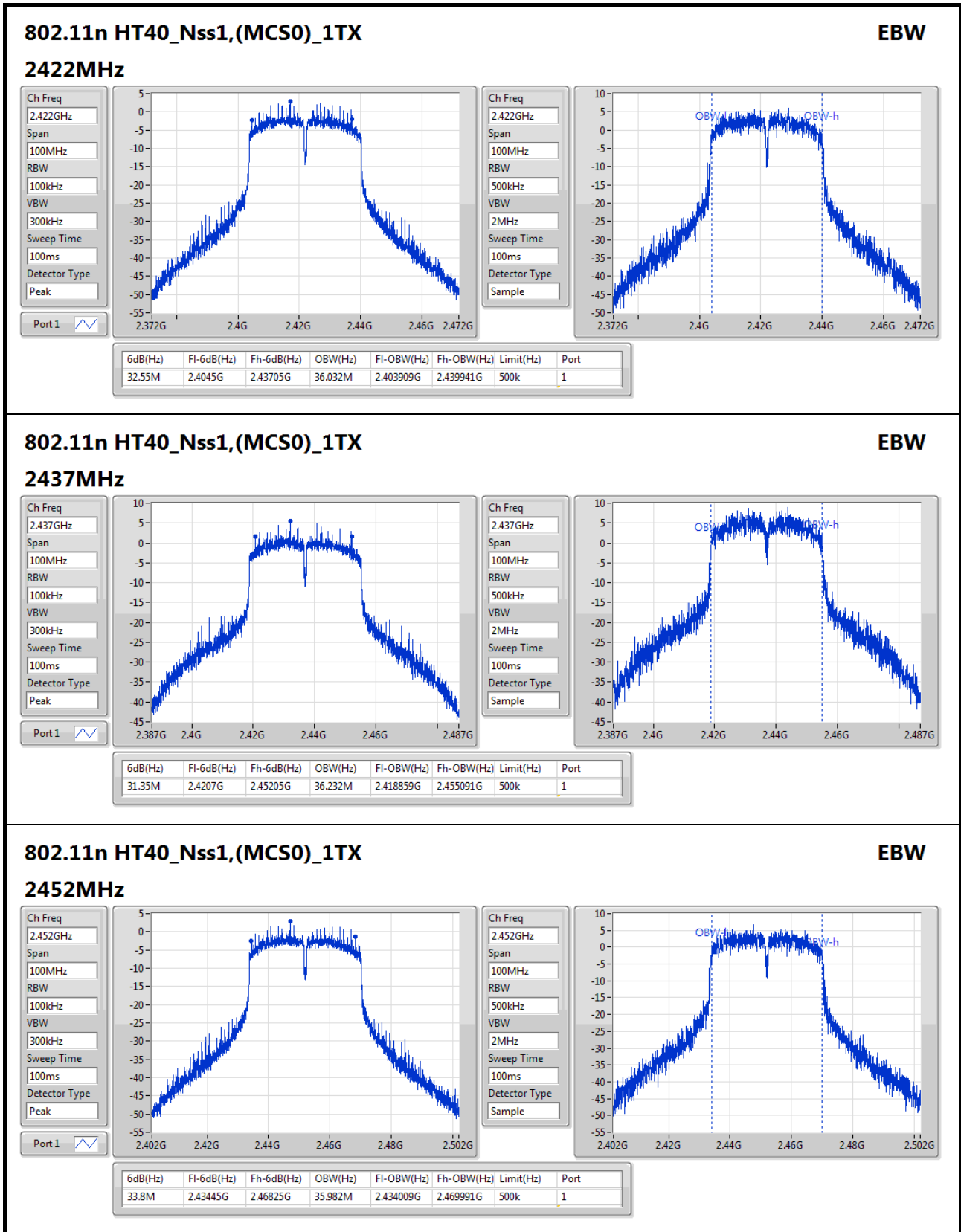
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	8.525M	15.192M
2437MHz	Pass	500k	9.075M	15.642M
2462MHz	Pass	500k	8.975M	15.492M
802.11g_(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.275M	16.717M
2437MHz	Pass	500k	16.35M	30.185M
2462MHz	Pass	500k	16.3M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.3M	17.716M
2437MHz	Pass	500k	17.15M	29.435M
2462MHz	Pass	500k	16.9M	17.666M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	32.55M	36.032M
2437MHz	Pass	500k	31.35M	36.232M
2452MHz	Pass	500k	33.8M	35.982M

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











Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_1TX	-	-
2.4-2.4835GHz	21.30	0.13490
802.11g_(6Mbps)_1TX	-	-
2.4-2.4835GHz	22.61	0.18239
802.11n HT20_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	22.22	0.16672
802.11n HT40_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	17.92	0.06194

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.48	20.60	20.60	30.00
2437MHz	Pass	2.48	21.30	21.30	30.00
2462MHz	Pass	2.48	21.27	21.27	30.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.48	17.60	17.60	30.00
2437MHz	Pass	2.48	22.61	22.61	30.00
2462MHz	Pass	2.48	16.48	16.48	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.48	16.43	16.43	30.00
2437MHz	Pass	2.48	22.22	22.22	30.00
2462MHz	Pass	2.48	15.69	15.69	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.48	15.63	15.63	30.00
2437MHz	Pass	2.48	17.92	17.92	30.00
2452MHz	Pass	2.48	15.56	15.56	30.00

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



Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_1TX 2.4-2.4835GHz	- -2.17
802.11g_(6Mbps)_1TX 2.4-2.4835GHz	- -3.57
802.11n HT20_Nss1,(MCS0)_1TX 2.4-2.4835GHz	- -3.91
802.11n HT40_Nss1,(MCS0)_1TX 2.4-2.4835GHz	- -10.66

RBW=3kHz.

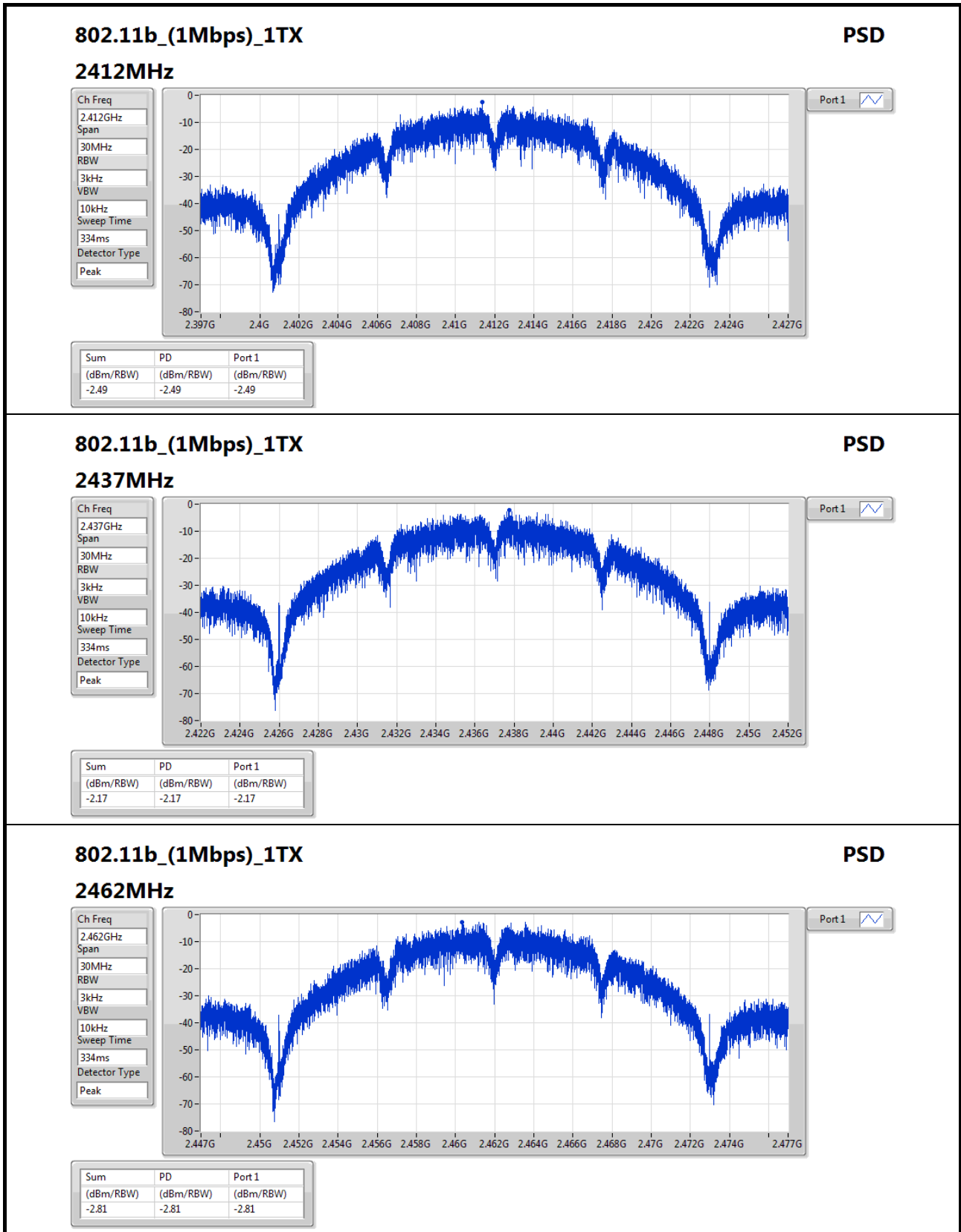
Result

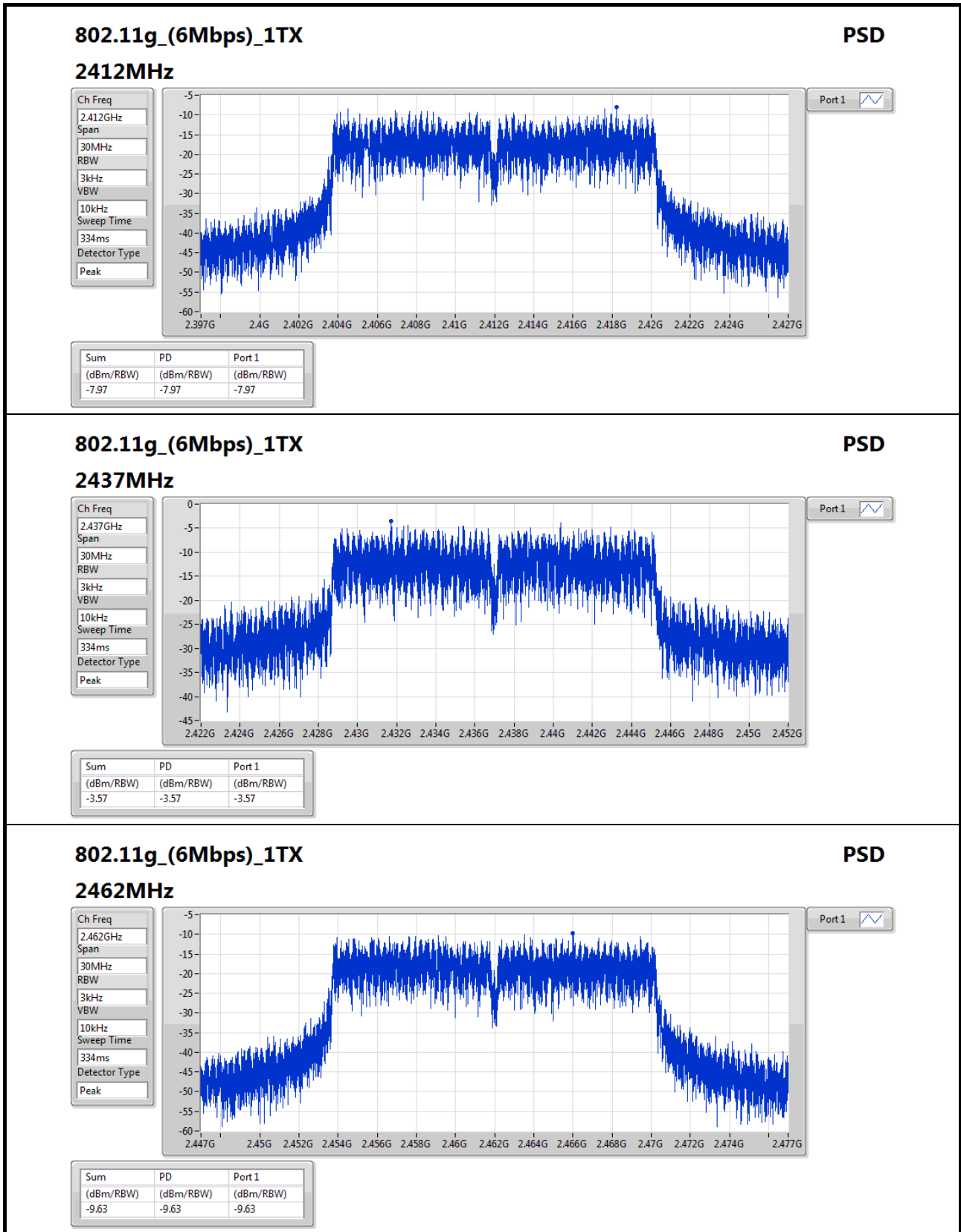
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.48	-2.49	-2.49	8.00
2437MHz	Pass	2.48	-2.17	-2.17	8.00
2462MHz	Pass	2.48	-2.81	-2.81	8.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.48	-7.97	-7.97	8.00
2437MHz	Pass	2.48	-3.57	-3.57	8.00
2462MHz	Pass	2.48	-9.63	-9.63	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.48	-10.03	-10.03	8.00
2437MHz	Pass	2.48	-3.91	-3.91	8.00
2462MHz	Pass	2.48	-10.88	-10.88	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.48	-13.38	-13.38	8.00
2437MHz	Pass	2.48	-10.66	-10.66	8.00
2452MHz	Pass	2.48	-13.14	-13.14	8.00

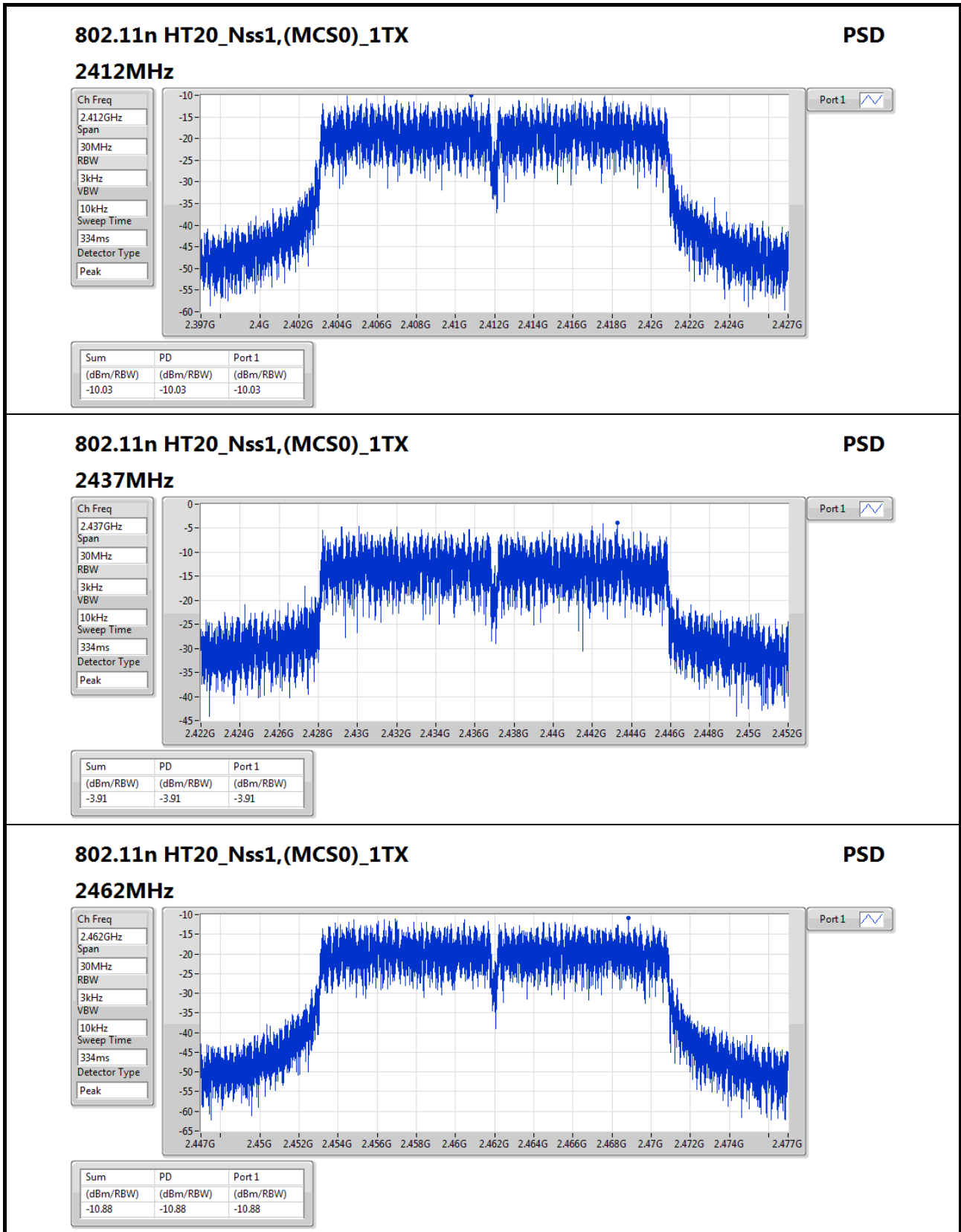
DG = Directional Gain; RBW=3kHz;

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








**802.11n HT20\_Nss1,(MCS0)\_1TX**
**PSD**

**2462MHz**

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

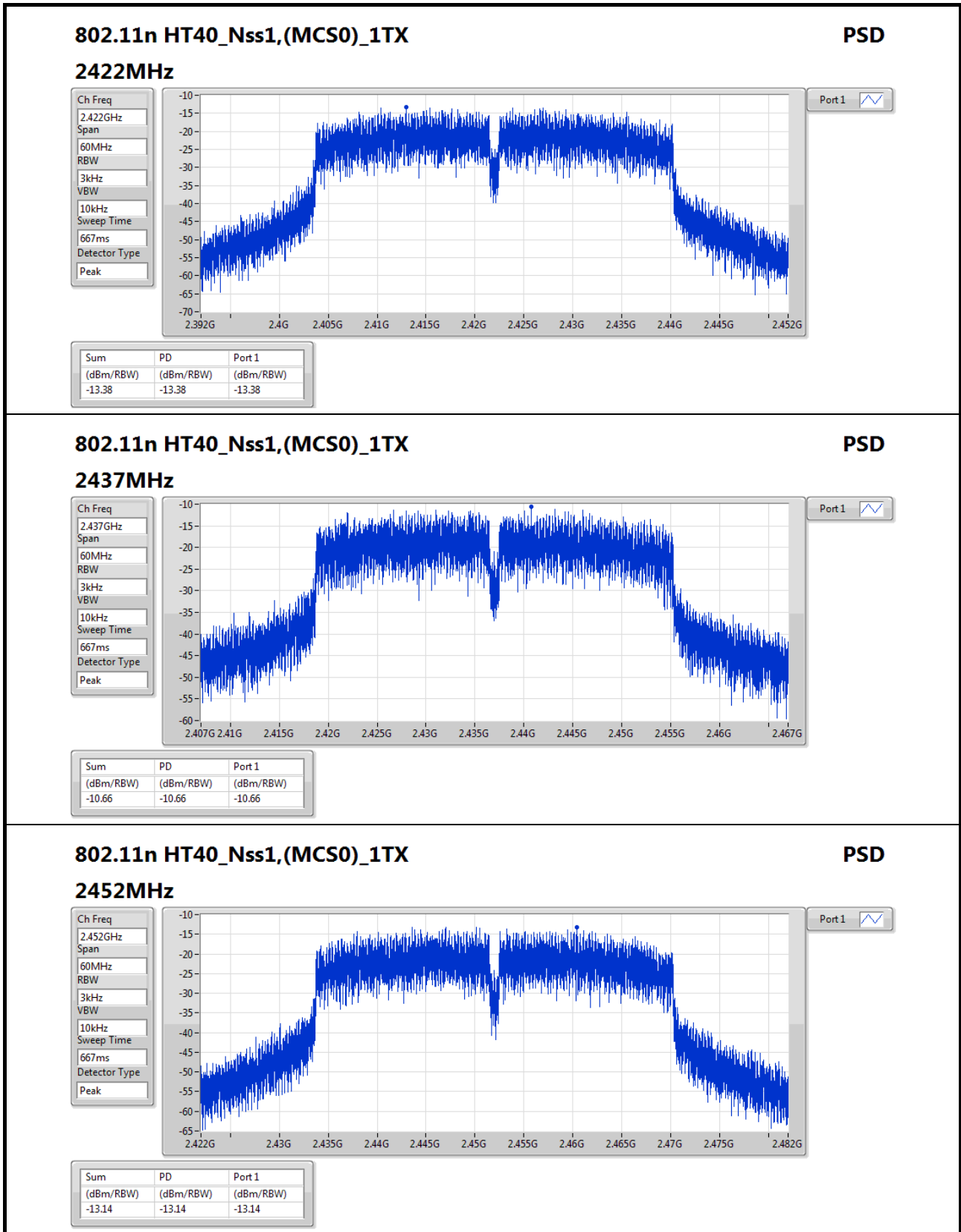
Sweep Time  
334ms

Detector Type  
Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.88	-10.88	-10.88


**802.11n HT40\_Nss1,(MCS0)\_1TX**
**PSD**

**2452MHz**

Ch Freq  
2.452GHz

Span  
60MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
667ms

Detector Type  
Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.14	-13.14	-13.14

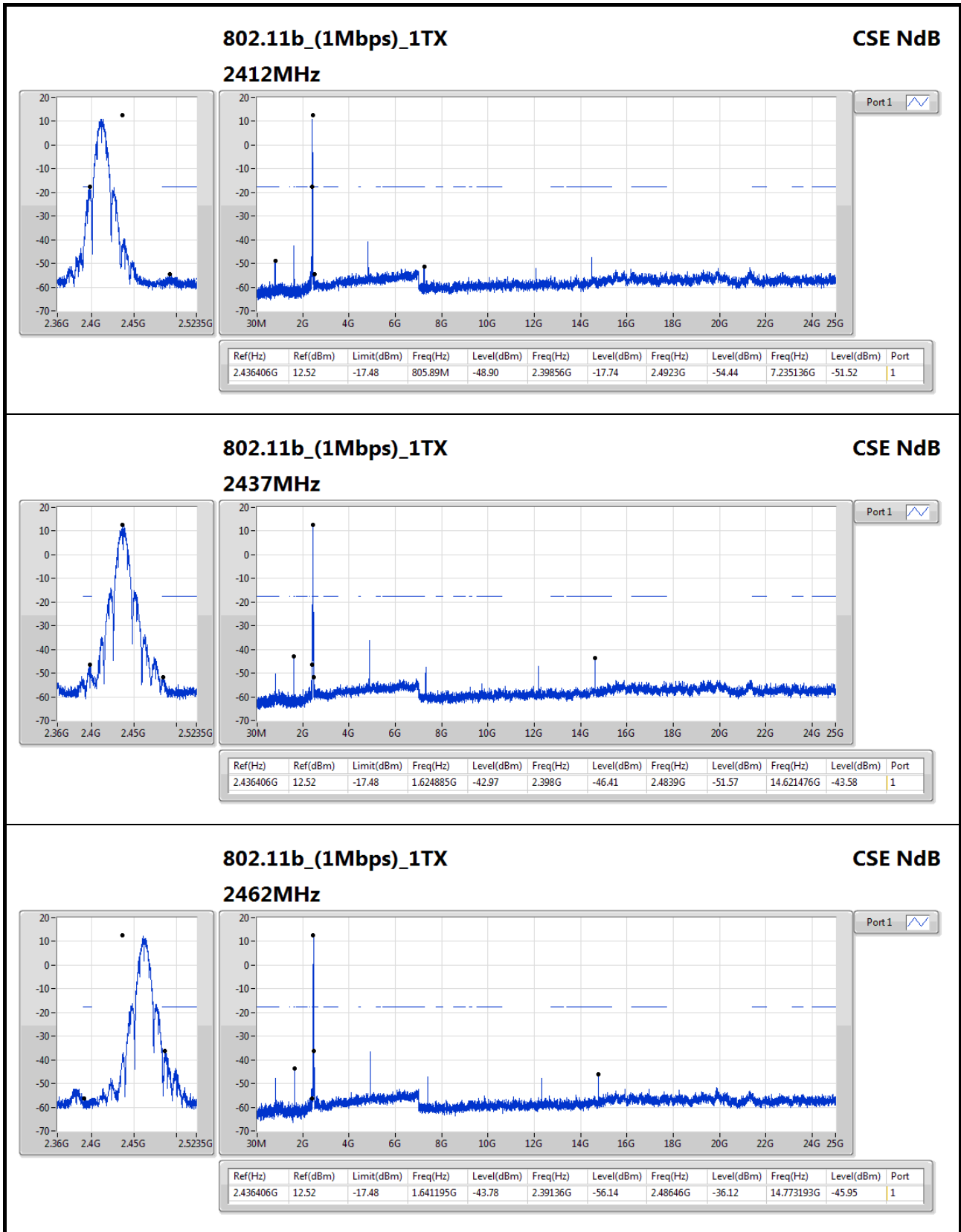


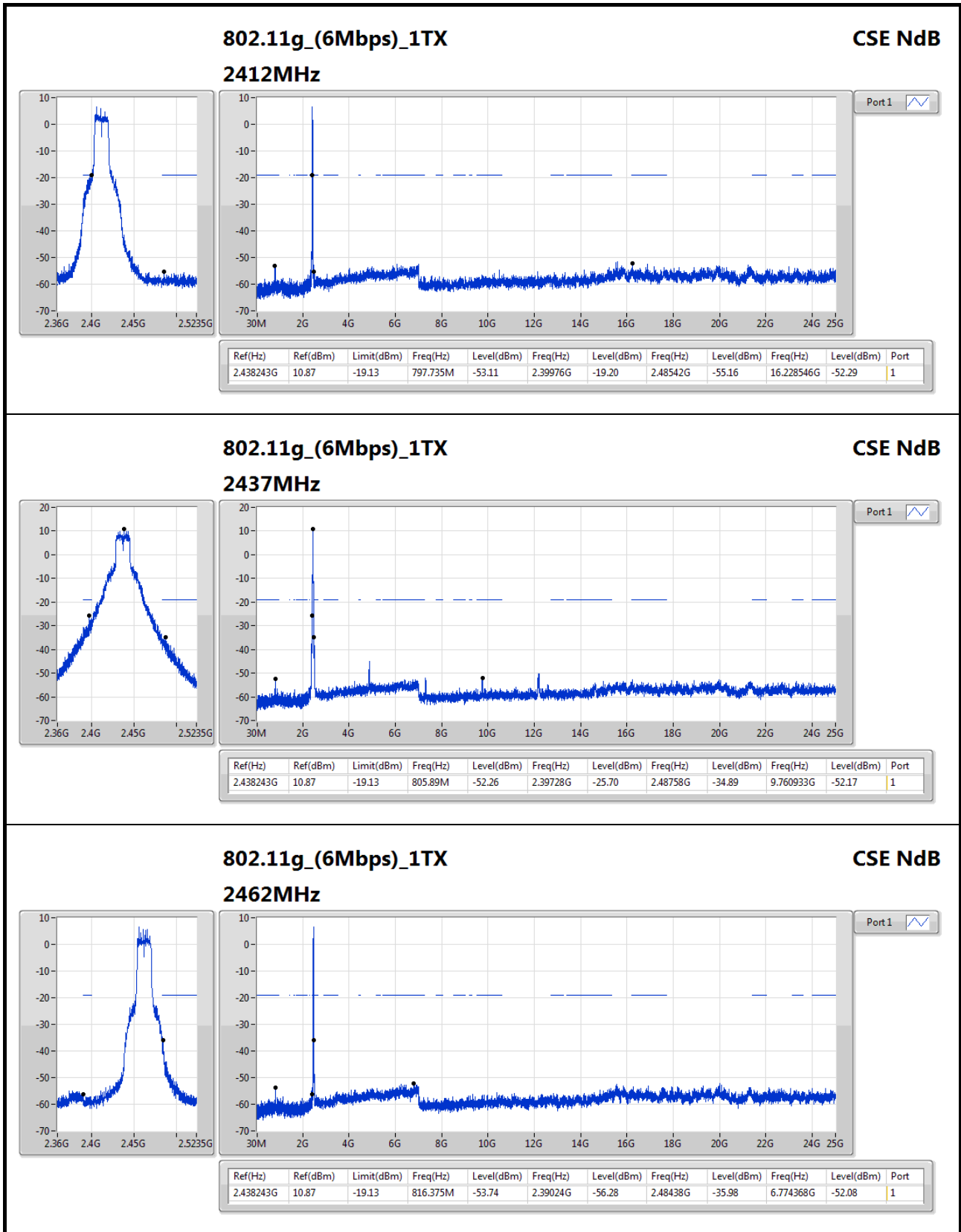
Summary

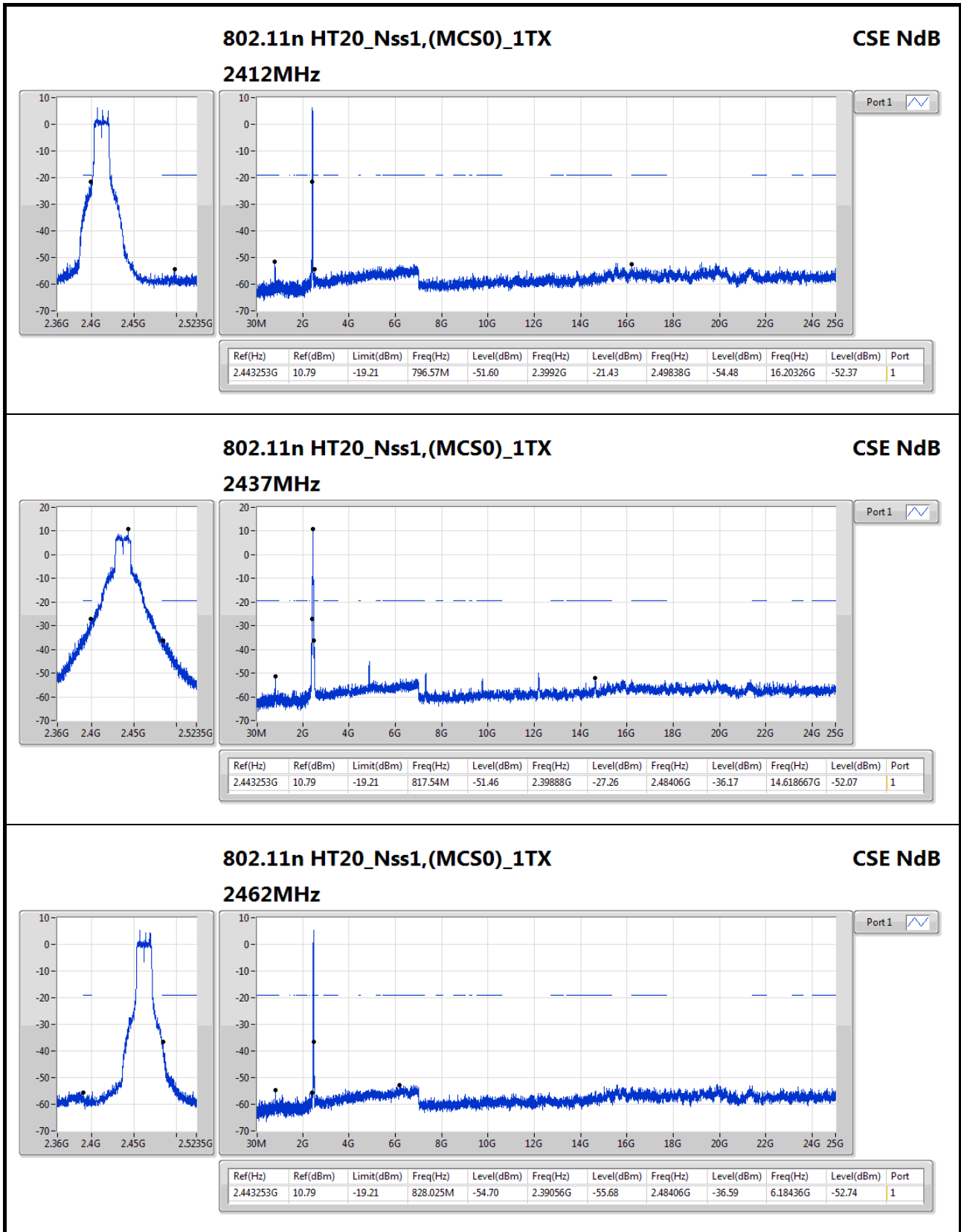
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.438243G	10.87	-19.13	797.735M	-53.11	2.39976G	-19.20	2.48542G	-55.16	16.228546G	-52.29	1

Result

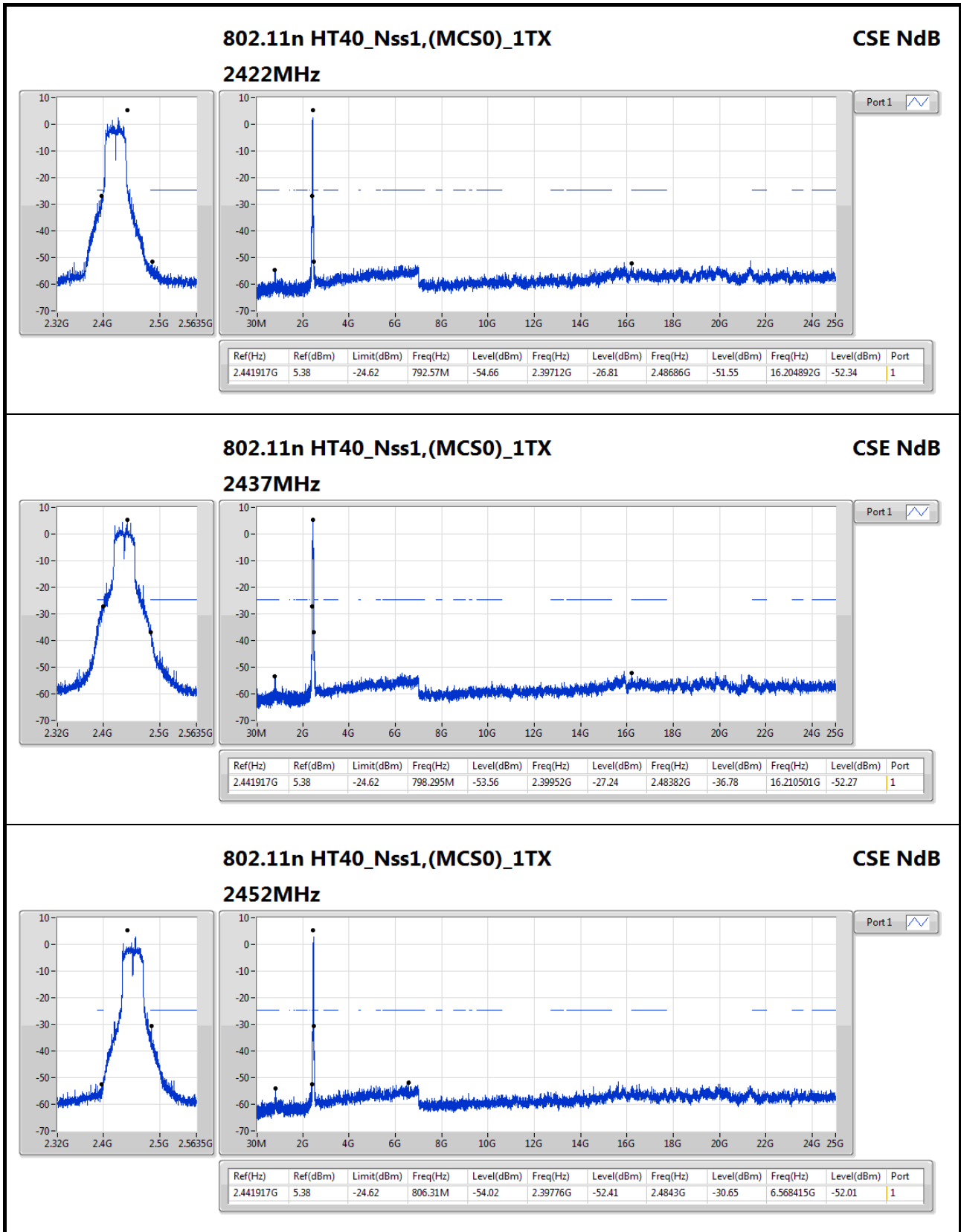
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.436406G	12.52	-17.48	805.89M	-48.90	2.39856G	-17.74	2.4923G	-54.44	7.235136G	-51.52	1
2437MHz	Pass	2.436406G	12.52	-17.48	1.624885G	-42.97	2.398G	-46.41	2.4839G	-51.57	14.621476G	-43.58	1
2462MHz	Pass	2.436406G	12.52	-17.48	1.641195G	-43.78	2.39136G	-56.14	2.48646G	-36.12	14.773193G	-45.95	1
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	10.87	-19.13	797.735M	-53.11	2.39976G	-19.20	2.48542G	-55.16	16.228546G	-52.29	1
2437MHz	Pass	2.438243G	10.87	-19.13	805.89M	-52.26	2.39728G	-25.70	2.48758G	-34.89	9.760933G	-52.17	1
2462MHz	Pass	2.438243G	10.87	-19.13	816.375M	-53.74	2.39024G	-56.28	2.48438G	-35.98	6.774368G	-52.08	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.443253G	10.79	-19.21	796.57M	-51.60	2.3992G	-21.43	2.49838G	-54.48	16.20326G	-52.37	1
2437MHz	Pass	2.443253G	10.79	-19.21	817.54M	-51.46	2.39888G	-27.26	2.48406G	-36.17	14.618667G	-52.07	1
2462MHz	Pass	2.443253G	10.79	-19.21	828.025M	-54.70	2.39056G	-55.68	2.48406G	-36.59	6.18436G	-52.74	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.441917G	5.38	-24.62	792.57M	-54.66	2.39712G	-26.81	2.48686G	-51.55	16.204892G	-52.34	1
2437MHz	Pass	2.441917G	5.38	-24.62	798.295M	-53.56	2.39952G	-27.24	2.48382G	-36.78	16.210501G	-52.27	1
2452MHz	Pass	2.441917G	5.38	-24.62	806.31M	-54.02	2.39776G	-52.41	2.4843G	-30.65	6.568415G	-52.01	1













Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	QP	241.46M	42.84	46.00	-3.16	-9.27	3	H	335	1.15	-

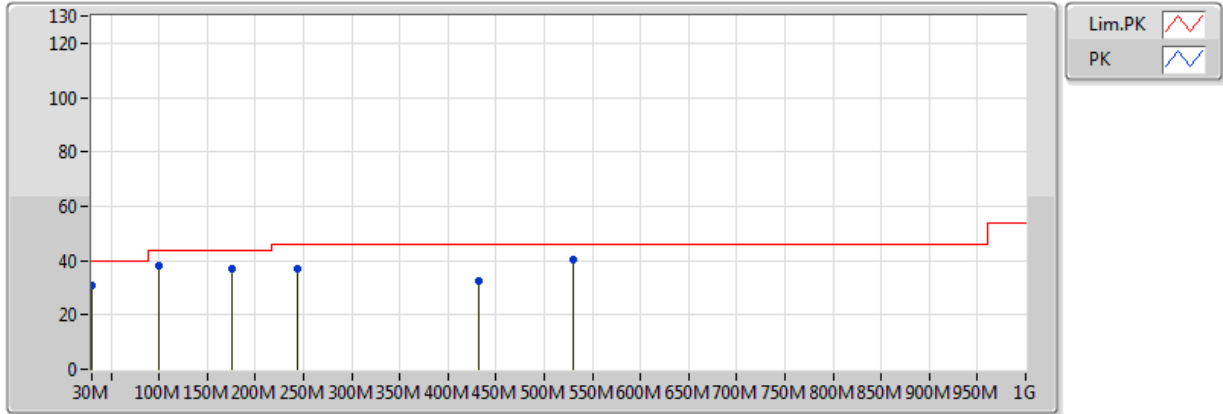


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	173.56M	40.19	43.50	-3.31	-11.55	3	H	360	1.00	-
2437MHz	Pass	PK	431.58M	34.97	46.00	-11.03	-4.25	3	H	360	1.00	-
2437MHz	Pass	PK	600.36M	37.32	46.00	-8.68	-2.86	3	H	360	1.00	-
2437MHz	Pass	PK	747.8M	30.91	46.00	-15.09	-1.31	3	H	360	1.00	-
2437MHz	Pass	QP	68.8M	34.03	40.00	-5.97	-15.44	3	H	334	3.02	-
2437MHz	Pass	QP	241.46M	42.84	46.00	-3.16	-9.27	3	H	335	1.15	-
2437MHz	Pass	PK	30M	31.07	40.00	-8.93	-5.08	3	V	0	1.00	-
2437MHz	Pass	PK	99.84M	38.26	43.50	-5.24	-10.77	3	V	0	1.00	-
2437MHz	Pass	PK	175.5M	36.72	43.50	-6.78	-11.63	3	V	0	1.00	-
2437MHz	Pass	PK	243.4M	36.72	46.00	-9.28	-9.07	3	V	0	1.00	-
2437MHz	Pass	PK	431.58M	32.25	46.00	-13.75	-4.25	3	V	0	1.00	-
2437MHz	Pass	PK	530.52M	40.10	46.00	-5.90	-3.11	3	V	0	1.00	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2437MHz\_USB Mode

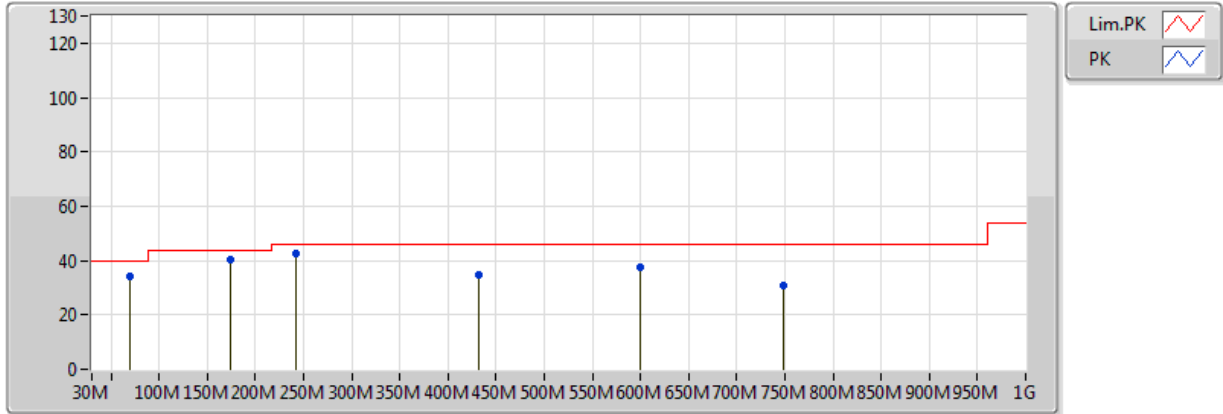


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	31.07	40.00	-8.93	-5.08	3	V	0	1.00	-
PK	99.84M	38.26	43.50	-5.24	-10.77	3	V	0	1.00	-
PK	175.5M	36.72	43.50	-6.78	-11.63	3	V	0	1.00	-
PK	243.4M	36.72	46.00	-9.28	-9.07	3	V	0	1.00	-
PK	431.58M	32.25	46.00	-13.75	-4.25	3	V	0	1.00	-
PK	530.52M	40.10	46.00	-5.90	-3.11	3	V	0	1.00	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2437MHz\_USB Mode



EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	173.56M	40.19	43.50	-3.31	-11.55	3	H	360	1.00	-
PK	431.58M	34.97	46.00	-11.03	-4.25	3	H	360	1.00	-
PK	600.36M	37.32	46.00	-8.68	-2.86	3	H	360	1.00	-
PK	747.8M	30.91	46.00	-15.09	-1.31	3	H	360	1.00	-
QP	241.46M	42.84	46.00	-3.16	-9.27	3	H	335	1.15	-
QP	68.8M	34.03	40.00	-5.97	-15.44	3	H	334	3.02	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	4.924G	53.61	54.00	-0.39	2.31	3	V	4	1.22	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3872G	47.38	54.00	-6.62	30.75	3	H	12	2.74	-
2412MHz	Pass	AV	2.4112G	103.84	Inf	-Inf	30.83	3	H	12	2.74	-
2412MHz	Pass	AV	4.824G	50.48	54.00	-3.52	2.04	3	H	187	1.50	-
2412MHz	Pass	PK	2.3876G	56.80	74.00	-17.20	30.75	3	H	12	2.74	-
2412MHz	Pass	PK	2.413G	107.76	Inf	-Inf	30.83	3	H	12	2.74	-
2412MHz	Pass	PK	4.824G	53.39	74.00	-20.61	2.04	3	H	187	1.50	-
2412MHz	Pass	AV	2.3872G	52.65	54.00	-1.35	30.75	3	V	302	1.12	-
2412MHz	Pass	AV	2.4112G	106.82	Inf	-Inf	30.83	3	V	302	1.12	-
2412MHz	Pass	AV	4.824G	52.62	54.00	-1.38	2.04	3	V	204	1.34	-
2412MHz	Pass	PK	2.3874G	60.05	74.00	-13.95	30.75	3	V	302	1.12	-
2412MHz	Pass	PK	2.411G	110.58	Inf	-Inf	30.83	3	V	302	1.12	-
2412MHz	Pass	PK	4.824G	55.31	74.00	-18.69	2.04	3	V	204	1.34	-
2437MHz	Pass	AV	2.3578G	42.89	54.00	-11.11	30.65	3	H	350	1.30	-
2437MHz	Pass	AV	2.4362G	104.61	Inf	-Inf	30.91	3	H	350	1.30	-
2437MHz	Pass	AV	2.4846G	43.30	54.00	-10.70	31.08	3	H	350	1.30	-
2437MHz	Pass	AV	4.874G	50.87	54.00	-3.13	2.17	3	H	188	1.50	-
2437MHz	Pass	PK	2.3574G	54.09	74.00	-19.91	30.65	3	H	350	1.30	-
2437MHz	Pass	PK	2.4362G	108.35	Inf	-Inf	30.91	3	H	350	1.30	-
2437MHz	Pass	PK	2.4874G	55.16	74.00	-18.84	31.09	3	H	350	1.30	-
2437MHz	Pass	PK	4.874G	53.77	74.00	-20.23	2.17	3	H	188	1.50	-
2437MHz	Pass	AV	2.3574G	43.63	54.00	-10.37	30.65	3	V	305	1.13	-
2437MHz	Pass	AV	2.4378G	105.95	Inf	-Inf	30.92	3	V	305	1.13	-
2437MHz	Pass	AV	2.4842G	43.58	54.00	-10.42	31.08	3	V	305	1.13	-
2437MHz	Pass	AV	4.874G	53.23	54.00	-0.77	2.17	3	V	310	1.09	-
2437MHz	Pass	PK	2.3622G	54.37	74.00	-19.63	30.67	3	V	305	1.13	-
2437MHz	Pass	PK	2.4378G	109.99	Inf	-Inf	30.92	3	V	305	1.13	-
2437MHz	Pass	PK	2.4922G	55.31	74.00	-18.69	31.10	3	V	305	1.13	-
2437MHz	Pass	PK	4.874G	55.36	74.00	-18.64	2.17	3	V	310	1.09	-
2462MHz	Pass	AV	2.4612G	105.84	Inf	-Inf	31.00	3	H	58	3.64	-
2462MHz	Pass	AV	2.483502G	52.44	54.00	-1.56	31.07	3	H	58	3.64	-
2462MHz	Pass	AV	4.924G	51.89	54.00	-2.11	2.31	3	H	210	1.44	-
2462MHz	Pass	PK	2.461G	109.70	Inf	-Inf	31.00	3	H	58	3.64	-
2462MHz	Pass	PK	2.4878G	59.42	74.00	-14.58	31.09	3	H	58	3.64	-
2462MHz	Pass	PK	4.924G	54.99	74.00	-19.01	2.31	3	H	210	1.44	-
2462MHz	Pass	AV	2.4612G	106.55	Inf	-Inf	31.00	3	V	318	1.04	-
2462MHz	Pass	AV	2.483502G	52.24	54.00	-1.76	31.07	3	V	318	1.04	-
2462MHz	Pass	AV	4.924G	53.61	54.00	-0.39	2.31	3	V	4	1.22	-
2462MHz	Pass	PK	2.461G	110.32	Inf	-Inf	31.00	3	V	318	1.04	-
2462MHz	Pass	PK	2.488G	59.41	74.00	-14.59	31.09	3	V	318	1.04	-
2462MHz	Pass	PK	4.924G	56.16	74.00	-17.84	2.31	3	V	4	1.22	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.88	54.00	-1.12	30.76	3	H	68	1.02	-
2412MHz	Pass	AV	2.4066G	94.70	Inf	-Inf	30.81	3	H	68	1.02	-
2412MHz	Pass	AV	4.824G	31.74	54.00	-22.26	2.03	3	H	150	2.52	-
2412MHz	Pass	PK	2.3896G	70.74	74.00	-3.26	30.76	3	H	68	1.02	-
2412MHz	Pass	PK	2.4096G	105.05	Inf	-Inf	30.82	3	H	68	1.02	-
2412MHz	Pass	PK	4.824G	45.19	74.00	-28.81	2.03	3	H	150	2.52	-



RSE TX above 1GHz Result

Appendix F

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	2.39G	53.40	54.00	-0.60	30.76	3	V	314	1.11	-
2412MHz	Pass	AV	2.4074G	96.56	Inf	-Inf	30.82	3	V	314	1.11	-
2412MHz	Pass	AV	4.824G	32.74	54.00	-21.26	2.03	3	V	332	3.10	-
2412MHz	Pass	PK	2.39G	70.59	74.00	-3.41	30.76	3	V	314	1.11	-
2412MHz	Pass	PK	2.4082G	106.98	Inf	-Inf	30.82	3	V	314	1.11	-
2412MHz	Pass	PK	4.824G	46.73	74.00	-27.27	2.03	3	V	332	3.10	-
2437MHz	Pass	AV	2.389998G	49.33	54.00	-4.67	30.76	3	H	7	1.54	-
2437MHz	Pass	AV	2.4306G	100.27	Inf	-Inf	30.89	3	H	7	1.54	-
2437MHz	Pass	AV	2.483502G	50.51	54.00	-3.49	31.07	3	H	7	1.54	-
2437MHz	Pass	AV	4.874G	39.29	54.00	-14.71	2.17	3	H	223	1.50	-
2437MHz	Pass	PK	2.3882G	68.20	74.00	-5.80	30.75	3	H	7	1.54	-
2437MHz	Pass	PK	2.433G	110.88	Inf	-Inf	30.90	3	H	7	1.54	-
2437MHz	Pass	PK	2.4838G	68.56	74.00	-5.44	31.07	3	H	7	1.54	-
2437MHz	Pass	PK	4.874G	52.98	74.00	-21.02	2.17	3	H	223	1.50	-
2437MHz	Pass	AV	2.389998G	52.13	54.00	-1.87	30.76	3	V	310	1.16	-
2437MHz	Pass	AV	2.4418G	102.71	Inf	-Inf	30.93	3	V	310	1.16	-
2437MHz	Pass	AV	2.4842G	52.94	54.00	-1.06	31.08	3	V	310	1.16	-
2437MHz	Pass	AV	4.874G	40.63	54.00	-13.37	2.17	3	V	359	1.44	-
2437MHz	Pass	PK	2.3882G	69.89	74.00	-4.11	30.75	3	V	310	1.16	-
2437MHz	Pass	PK	2.4402G	113.88	Inf	-Inf	30.93	3	V	310	1.16	-
2437MHz	Pass	PK	2.483502G	70.13	74.00	-3.87	31.07	3	V	310	1.16	-
2437MHz	Pass	PK	4.874G	53.90	74.00	-20.10	2.17	3	V	359	1.44	-
2462MHz	Pass	AV	2.456G	94.22	Inf	-Inf	30.98	3	H	349	1.25	-
2462MHz	Pass	AV	2.483502G	51.59	54.00	-2.41	31.07	3	H	349	1.25	-
2462MHz	Pass	AV	4.924G	32.32	54.00	-21.68	2.31	3	H	191	1.52	-
2462MHz	Pass	PK	2.455G	105.07	Inf	-Inf	30.98	3	H	349	1.25	-
2462MHz	Pass	PK	2.483502G	67.24	74.00	-6.76	31.07	3	H	349	1.25	-
2462MHz	Pass	PK	4.924G	45.50	74.00	-28.50	2.31	3	H	191	1.52	-
2462MHz	Pass	AV	2.458G	95.96	Inf	-Inf	30.99	3	V	337	1.20	-
2462MHz	Pass	AV	2.483502G	53.36	54.00	-0.64	31.07	3	V	337	1.20	-
2462MHz	Pass	AV	4.924G	32.94	54.00	-21.06	2.31	3	V	11	1.34	-
2462MHz	Pass	PK	2.4654G	106.91	Inf	-Inf	31.01	3	V	337	1.20	-
2462MHz	Pass	PK	2.483502G	68.18	74.00	-5.82	31.07	3	V	337	1.20	-
2462MHz	Pass	PK	4.924G	46.76	74.00	-27.24	2.31	3	V	11	1.34	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	53.40	54.00	-0.60	30.76	3	H	68	1.00	-
2412MHz	Pass	AV	2.4058G	94.24	Inf	-Inf	30.81	3	H	68	1.00	-
2412MHz	Pass	AV	4.824G	30.70	54.00	-23.30	2.03	3	H	214	1.38	-
2412MHz	Pass	PK	2.39G	68.64	74.00	-5.36	30.76	3	H	68	1.00	-
2412MHz	Pass	PK	2.407G	104.77	Inf	-Inf	30.81	3	H	68	1.00	-
2412MHz	Pass	PK	4.824G	44.10	74.00	-29.90	2.03	3	H	214	1.38	-
2412MHz	Pass	AV	2.39G	53.16	54.00	-0.84	30.76	3	V	321	1.61	-
2412MHz	Pass	AV	2.4062G	95.54	Inf	-Inf	30.81	3	V	321	1.61	-
2412MHz	Pass	AV	4.824G	31.45	54.00	-22.55	2.03	3	V	332	3.10	-
2412MHz	Pass	PK	2.39G	68.25	74.00	-5.75	30.76	3	V	321	1.61	-
2412MHz	Pass	PK	2.4068G	105.42	Inf	-Inf	30.81	3	V	321	1.61	-
2412MHz	Pass	PK	4.824G	44.99	74.00	-29.01	2.03	3	V	332	3.10	-
2437MHz	Pass	AV	2.389998G	48.76	54.00	-5.24	30.76	3	H	6	1.55	-
2437MHz	Pass	AV	2.4318G	99.56	Inf	-Inf	30.90	3	H	6	1.55	-





RSE TX above 1GHz Result

Appendix F

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.4838G	49.33	54.00	-4.67	31.07	3	H	6	1.55	-
2437MHz	Pass	AV	4.874G	39.43	54.00	-14.57	2.17	3	H	210	1.14	-
2437MHz	Pass	PK	2.389998G	65.20	74.00	-8.80	30.76	3	H	6	1.55	-
2437MHz	Pass	PK	2.4326G	110.27	Inf	-Inf	30.90	3	H	6	1.55	-
2437MHz	Pass	PK	2.4838G	65.36	74.00	-8.64	31.07	3	H	6	1.55	-
2437MHz	Pass	PK	4.874G	53.72	74.00	-20.28	2.17	3	H	210	1.14	-
2437MHz	Pass	AV	2.389998G	51.18	54.00	-2.82	30.76	3	V	307	1.15	-
2437MHz	Pass	AV	2.4422G	101.99	Inf	-Inf	30.93	3	V	307	1.15	-
2437MHz	Pass	AV	2.483502G	52.98	54.00	-1.02	31.07	3	V	307	1.15	-
2437MHz	Pass	AV	4.874G	39.11	54.00	-14.89	2.17	3	V	211	1.72	-
2437MHz	Pass	PK	2.389G	66.98	74.00	-7.02	30.75	3	V	307	1.15	-
2437MHz	Pass	PK	2.4434G	112.69	Inf	-Inf	30.94	3	V	307	1.15	-
2437MHz	Pass	PK	2.4838G	69.91	74.00	-4.09	31.07	3	V	307	1.15	-
2437MHz	Pass	PK	4.874G	53.61	74.00	-20.39	2.17	3	V	211	1.72	-
2462MHz	Pass	AV	2.4562G	93.20	Inf	-Inf	30.98	3	H	67	1.28	-
2462MHz	Pass	AV	2.4836G	53.06	54.00	-0.94	31.07	3	H	67	1.28	-
2462MHz	Pass	AV	4.924G	31.84	54.00	-22.16	2.31	3	H	190	1.50	-
2462MHz	Pass	PK	2.4598G	103.94	Inf	-Inf	30.99	3	H	67	1.28	-
2462MHz	Pass	PK	2.483502G	66.87	74.00	-7.13	31.07	3	H	67	1.28	-
2462MHz	Pass	PK	4.924G	44.92	74.00	-29.08	2.31	3	H	190	1.50	-
2462MHz	Pass	AV	2.4552G	95.13	Inf	-Inf	30.98	3	V	334	1.49	-
2462MHz	Pass	AV	2.483502G	53.60	54.00	-0.40	31.07	3	V	334	1.49	-
2462MHz	Pass	AV	4.924G	32.32	54.00	-21.68	2.31	3	V	16	1.22	-
2462MHz	Pass	PK	2.4632G	106.26	Inf	-Inf	31.00	3	V	334	1.49	-
2462MHz	Pass	PK	2.483502G	67.47	74.00	-6.53	31.07	3	V	334	1.49	-
2462MHz	Pass	PK	4.924G	46.08	74.00	-27.92	2.31	3	V	16	1.22	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	50.55	54.00	-3.45	30.76	3	H	8	1.54	-
2422MHz	Pass	AV	2.4184G	89.45	Inf	-Inf	30.85	3	H	8	1.54	-
2422MHz	Pass	AV	2.4988G	43.38	54.00	-10.62	31.13	3	H	8	1.54	-
2422MHz	Pass	AV	4.844G	30.14	54.00	-23.86	2.09	3	H	48	1.72	-
2422MHz	Pass	PK	2.39G	62.87	74.00	-11.13	30.76	3	H	8	1.54	-
2422MHz	Pass	PK	2.4196G	100.66	Inf	-Inf	30.86	3	H	8	1.54	-
2422MHz	Pass	PK	2.4964G	56.00	74.00	-18.00	31.12	3	H	8	1.54	-
2422MHz	Pass	PK	4.844G	43.79	74.00	-30.21	2.09	3	H	48	1.72	-
2422MHz	Pass	AV	2.3896G	52.47	54.00	-1.53	30.76	3	V	326	1.13	-
2422MHz	Pass	AV	2.4132G	90.89	Inf	-Inf	30.83	3	V	326	1.13	-
2422MHz	Pass	AV	2.4848G	43.68	54.00	-10.32	31.08	3	V	326	1.13	-
2422MHz	Pass	AV	4.844G	30.41	54.00	-23.59	2.09	3	V	88	2.14	-
2422MHz	Pass	PK	2.39G	65.67	74.00	-8.33	30.76	3	V	326	1.13	-
2422MHz	Pass	PK	2.4176G	102.62	Inf	-Inf	30.85	3	V	326	1.13	-
2422MHz	Pass	PK	2.4856G	55.23	74.00	-18.77	31.08	3	V	326	1.13	-
2422MHz	Pass	PK	4.844G	44.51	74.00	-29.49	2.09	3	V	88	2.14	-
2437MHz	Pass	AV	2.389998G	50.07	54.00	-3.93	30.76	3	H	7	1.55	-
2437MHz	Pass	AV	2.4318G	92.53	Inf	-Inf	30.90	3	H	7	1.55	-
2437MHz	Pass	AV	2.483502G	51.04	54.00	-2.96	31.07	3	H	7	1.55	-
2437MHz	Pass	PK	2.389G	64.40	74.00	-9.60	30.75	3	H	7	1.55	-
2437MHz	Pass	PK	2.429G	104.07	Inf	-Inf	30.89	3	H	7	1.55	-
2437MHz	Pass	PK	2.4846G	64.85	74.00	-9.15	31.08	3	H	7	1.55	-



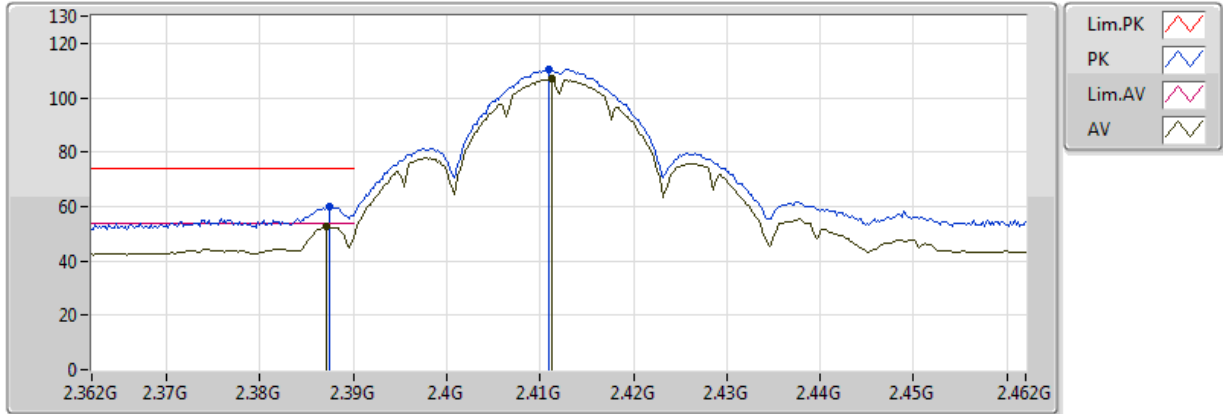
RSE TX above 1GHz Result

Appendix F

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.389998G	52.19	54.00	-1.81	30.76	3	V	309	1.12	-
2437MHz	Pass	AV	2.4426G	94.76	Inf	-Inf	30.93	3	V	309	1.12	-
2437MHz	Pass	AV	2.483502G	53.46	54.00	-0.54	31.07	3	V	309	1.12	-
2437MHz	Pass	PK	2.3894G	67.52	74.00	-6.48	30.76	3	V	309	1.12	-
2437MHz	Pass	PK	2.4414G	106.30	Inf	-Inf	30.93	3	V	309	1.12	-
2437MHz	Pass	PK	2.4838G	67.87	74.00	-6.13	31.07	3	V	309	1.12	-
2437MHz	Pass	AV	4.874G	30.65	54.00	-23.35	2.17	3	H	303	1.09	-
2437MHz	Pass	PK	4.874G	44.32	74.00	-29.68	2.17	3	H	303	1.09	-
2437MHz	Pass	AV	4.874G	31.47	54.00	-22.53	2.17	3	V	134	2.00	-
2437MHz	Pass	PK	4.874G	45.11	74.00	-28.89	2.17	3	V	134	2.00	-
2452MHz	Pass	AV	2.3844G	42.78	54.00	-11.22	30.74	3	H	7	1.32	-
2452MHz	Pass	AV	2.4448G	89.54	Inf	-Inf	30.94	3	H	7	1.32	-
2452MHz	Pass	AV	2.4848G	51.02	54.00	-2.98	31.08	3	H	7	1.32	-
2452MHz	Pass	AV	4.904G	30.82	54.00	-23.18	2.25	3	H	284	2.08	-
2452MHz	Pass	PK	2.3692G	54.90	74.00	-19.10	30.69	3	H	7	1.32	-
2452MHz	Pass	PK	2.4428G	100.99	Inf	-Inf	30.94	3	H	7	1.32	-
2452MHz	Pass	PK	2.4836G	63.28	74.00	-10.72	31.07	3	H	7	1.32	-
2452MHz	Pass	PK	4.904G	44.45	74.00	-29.55	2.25	3	H	284	2.08	-
2452MHz	Pass	AV	2.3828G	42.81	54.00	-11.19	30.73	3	V	335	1.51	-
2452MHz	Pass	AV	2.4556G	91.57	Inf	-Inf	30.98	3	V	335	1.51	-
2452MHz	Pass	AV	2.4836G	53.49	54.00	-0.51	31.07	3	V	335	1.51	-
2452MHz	Pass	AV	4.904G	31.24	54.00	-22.76	2.25	3	V	107	2.13	-
2452MHz	Pass	PK	2.3856G	54.46	74.00	-19.54	30.74	3	V	335	1.51	-
2452MHz	Pass	PK	2.4592G	102.79	Inf	-Inf	30.99	3	V	335	1.51	-
2452MHz	Pass	PK	2.484G	66.84	74.00	-7.16	31.08	3	V	335	1.51	-
2452MHz	Pass	PK	4.904G	44.92	74.00	-29.08	2.25	3	V	107	2.13	-

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

### 2412MHz\_TX

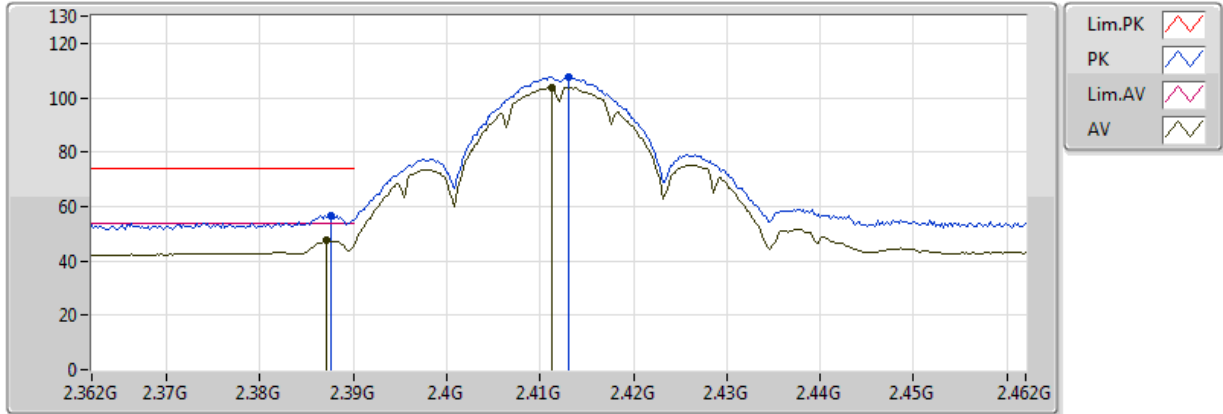


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	52.65	54.00	-1.35	30.75	3	V	302	1.12	-
AV	2.4112G	106.82	Inf	-Inf	30.83	3	V	302	1.12	-
PK	2.3874G	60.05	74.00	-13.95	30.75	3	V	302	1.12	-
PK	2.411G	110.58	Inf	-Inf	30.83	3	V	302	1.12	-

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

### 2412MHz\_TX

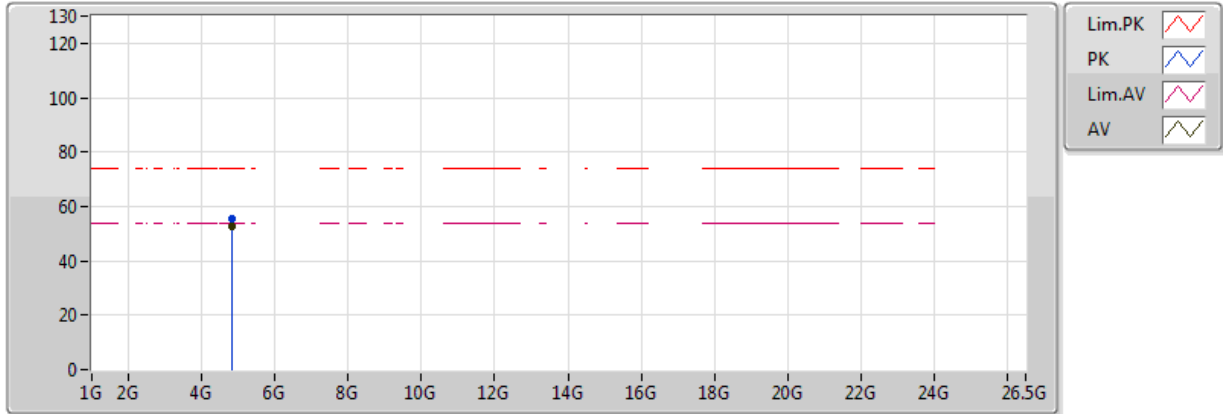


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	47.38	54.00	-6.62	30.75	3	H	12	2.74	-
AV	2.4112G	103.84	Inf	-Inf	30.83	3	H	12	2.74	-
PK	2.3876G	56.80	74.00	-17.20	30.75	3	H	12	2.74	-
PK	2.413G	107.76	Inf	-Inf	30.83	3	H	12	2.74	-

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

### 2412MHz\_TX

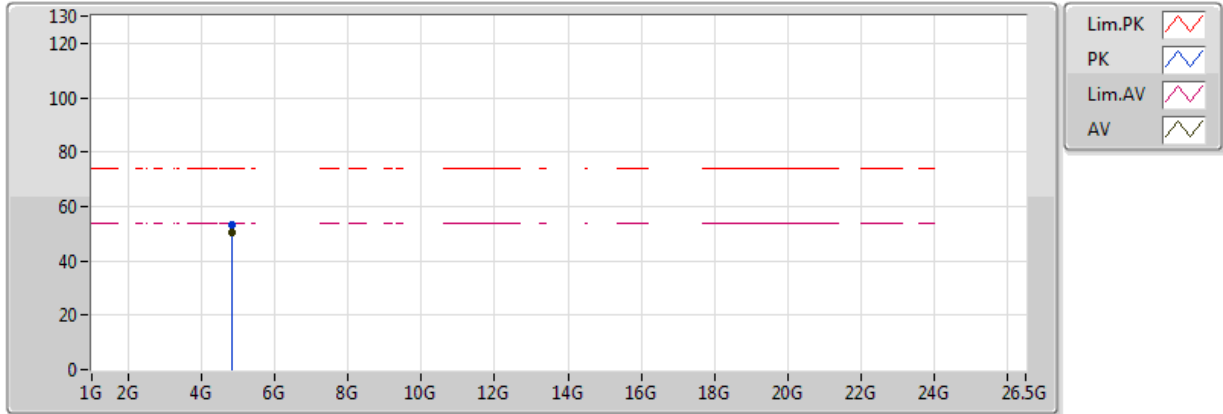


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	52.62	54.00	-1.38	2.04	3	V	204	1.34	-
PK	4.824G	55.31	74.00	-18.69	2.04	3	V	204	1.34	-

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

### 2412MHz\_TX

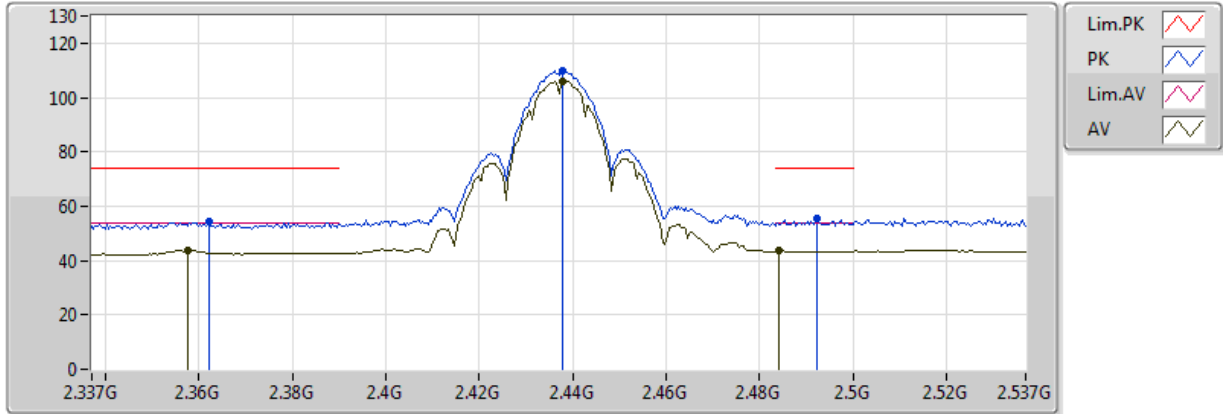


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	50.48	54.00	-3.52	2.04	3	H	187	1.50	-
PK	4.824G	53.39	74.00	-20.61	2.04	3	H	187	1.50	-

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

### 2437MHz\_TX

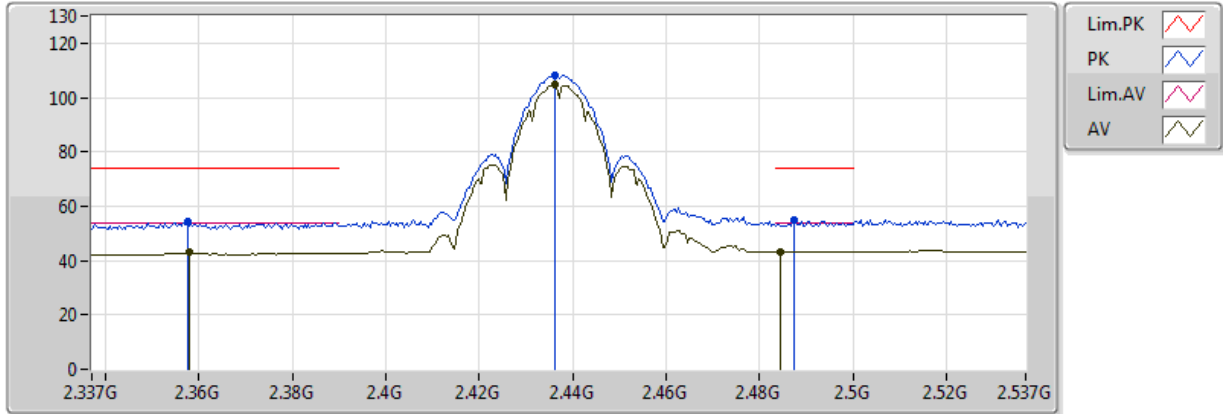


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3574G	43.63	54.00	-10.37	30.65	3	V	305	1.13	-
AV	2.4378G	105.95	Inf	-Inf	30.92	3	V	305	1.13	-
AV	2.4842G	43.58	54.00	-10.42	31.08	3	V	305	1.13	-
PK	2.3622G	54.37	74.00	-19.63	30.67	3	V	305	1.13	-
PK	2.4378G	109.99	Inf	-Inf	30.92	3	V	305	1.13	-
PK	2.4922G	55.31	74.00	-18.69	31.10	3	V	305	1.13	-

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

### 2437MHz\_TX



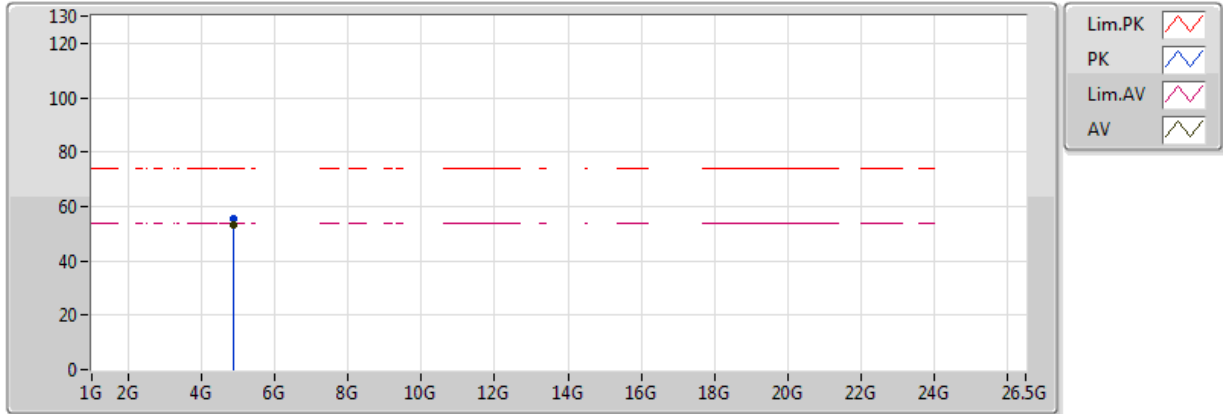
EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3578G	42.89	54.00	-11.11	30.65	3	H	350	1.30	-
AV	2.4362G	104.61	Inf	-Inf	30.91	3	H	350	1.30	-
AV	2.4846G	43.30	54.00	-10.70	31.08	3	H	350	1.30	-
PK	2.3574G	54.09	74.00	-19.91	30.65	3	H	350	1.30	-
PK	2.4362G	108.35	Inf	-Inf	30.91	3	H	350	1.30	-
PK	2.4874G	55.16	74.00	-18.84	31.09	3	H	350	1.30	-



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

### 2437MHz\_TX

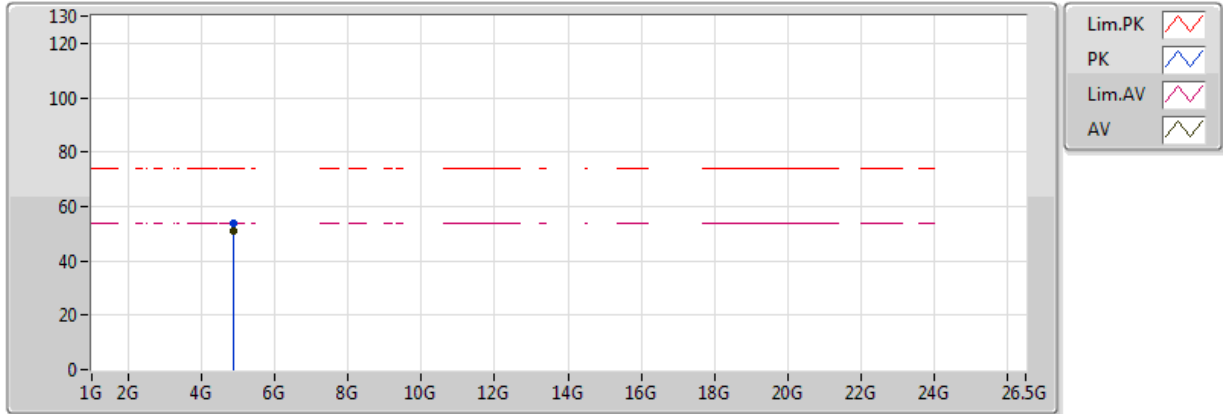


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	53.23	54.00	-0.77	2.17	3	V	310	1.09	-
PK	4.874G	55.36	74.00	-18.64	2.17	3	V	310	1.09	-

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

### 2437MHz\_TX

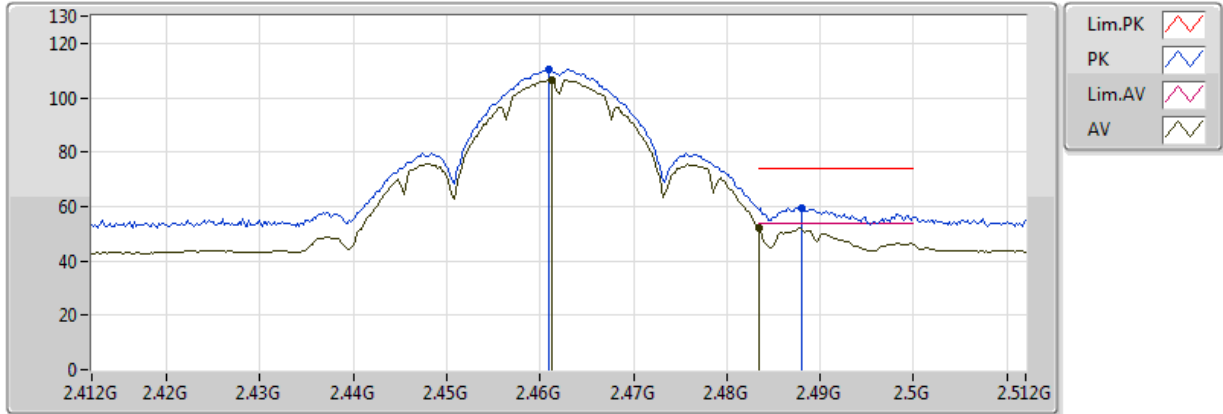


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	50.87	54.00	-3.13	2.17	3	H	188	1.50	-
PK	4.874G	53.77	74.00	-20.23	2.17	3	H	188	1.50	-

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

### 2462MHz\_TX

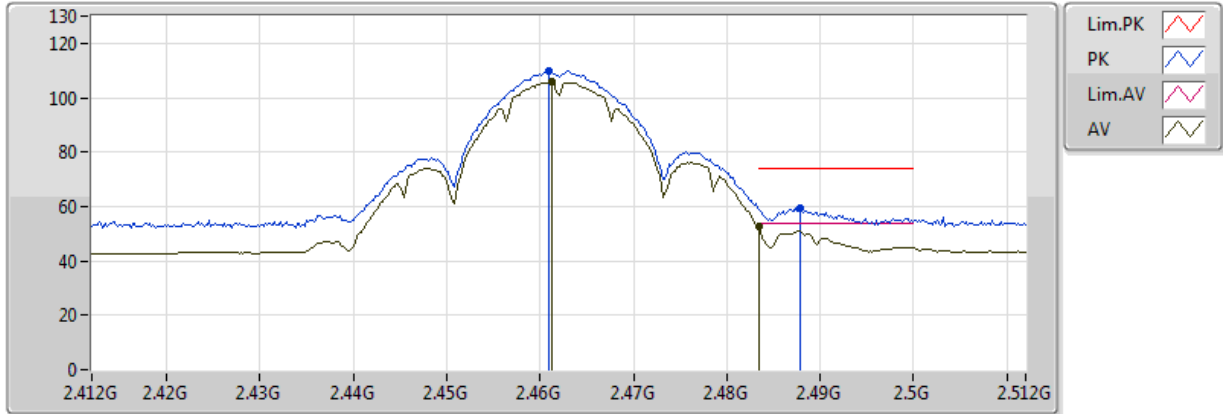


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	106.55	Inf	-Inf	31.00	3	V	318	1.04	-
AV	2.483502G	52.24	54.00	-1.76	31.07	3	V	318	1.04	-
PK	2.461G	110.32	Inf	-Inf	31.00	3	V	318	1.04	-
PK	2.488G	59.41	74.00	-14.59	31.09	3	V	318	1.04	-

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

### 2462MHz\_TX

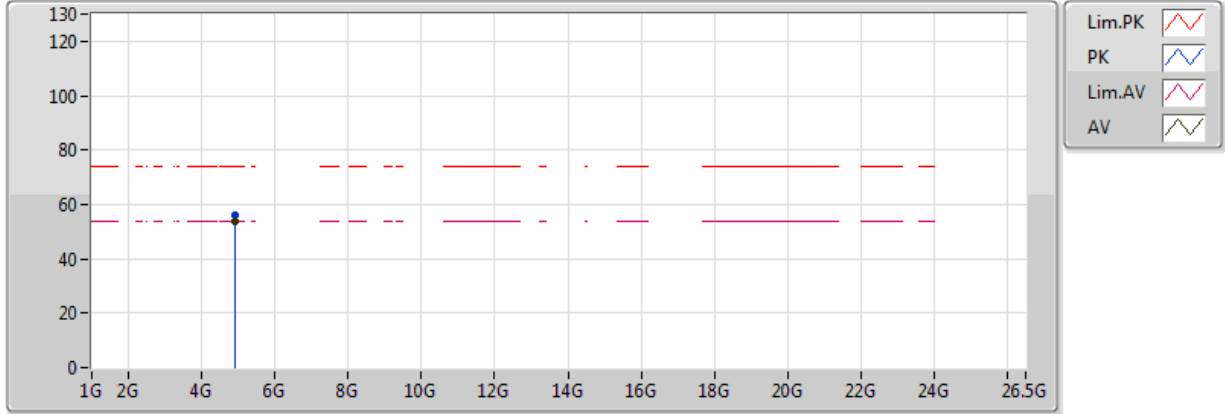


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	105.84	Inf	-Inf	31.00	3	H	58	3.64	-
AV	2.483502G	52.44	54.00	-1.56	31.07	3	H	58	3.64	-
PK	2.461G	109.70	Inf	-Inf	31.00	3	H	58	3.64	-
PK	2.4878G	59.42	74.00	-14.58	31.09	3	H	58	3.64	-

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

### 2462MHz\_TX

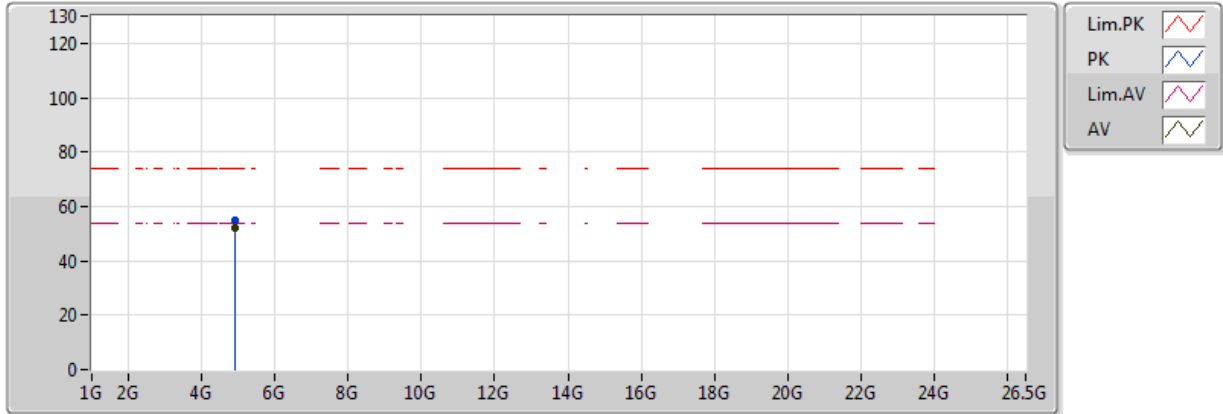


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	53.61	54.00	-0.39	2.31	3	V	4	1.22	-
PK	4.924G	56.16	74.00	-17.84	2.31	3	V	4	1.22	-

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

### 2462MHz\_TX

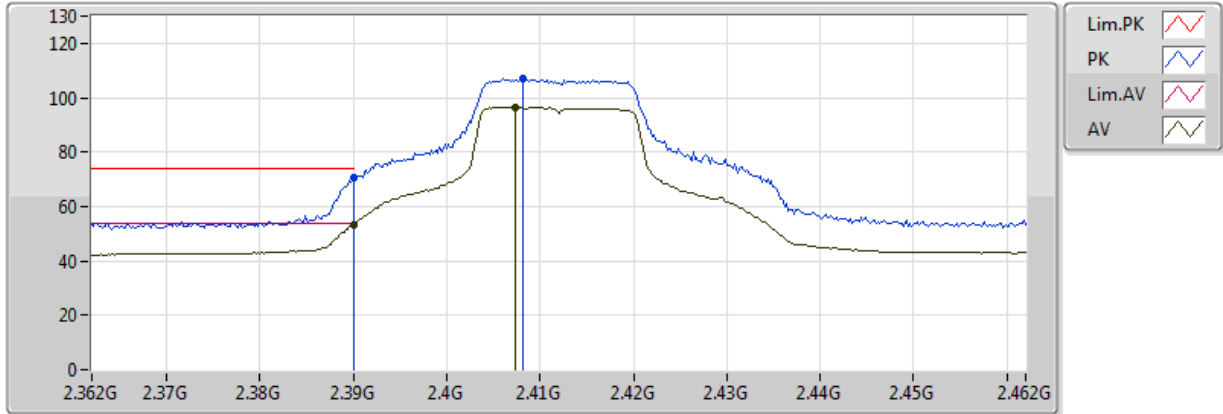


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	51.89	54.00	-2.11	2.31	3	H	210	1.44	-
PK	4.924G	54.99	74.00	-19.01	2.31	3	H	210	1.44	-

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

### 2412MHz\_TX

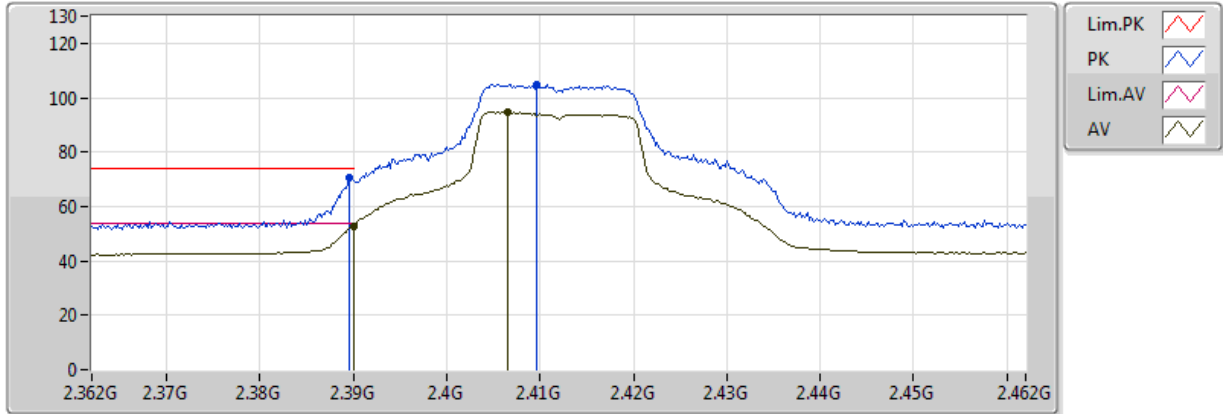


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	53.40	54.00	-0.60	30.76	3	V	314	1.11	-
AV	2.4074G	96.56	Inf	-Inf	30.82	3	V	314	1.11	-
PK	2.39G	70.59	74.00	-3.41	30.76	3	V	314	1.11	-
PK	2.4082G	106.98	Inf	-Inf	30.82	3	V	314	1.11	-

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

### 2412MHz\_TX



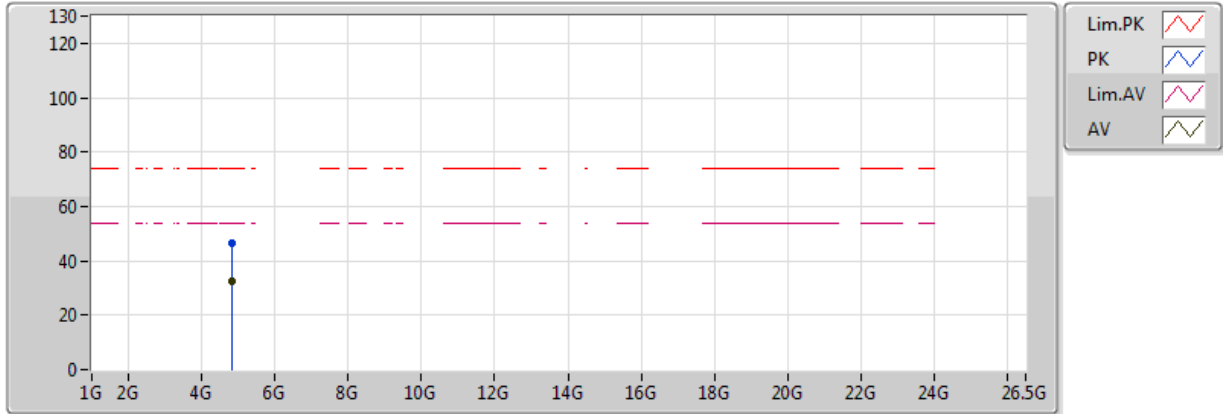
EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.88	54.00	-1.12	30.76	3	H	68	1.02	-
AV	2.4066G	94.70	Inf	-Inf	30.81	3	H	68	1.02	-
PK	2.3896G	70.74	74.00	-3.26	30.76	3	H	68	1.02	-
PK	2.4096G	105.05	Inf	-Inf	30.82	3	H	68	1.02	-



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

### 2412MHz\_TX

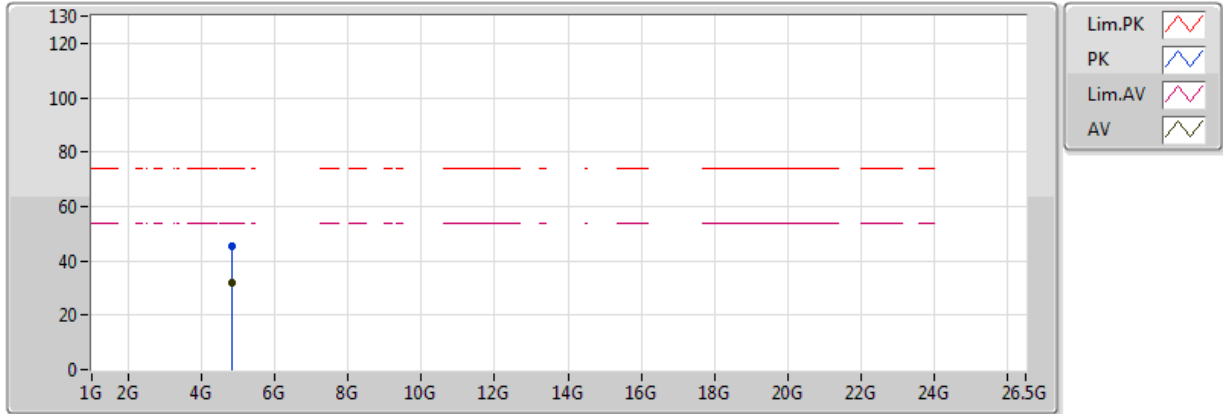


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	32.74	54.00	-21.26	2.03	3	V	332	3.10	-
PK	4.824G	46.73	74.00	-27.27	2.03	3	V	332	3.10	-

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

### 2412MHz\_TX

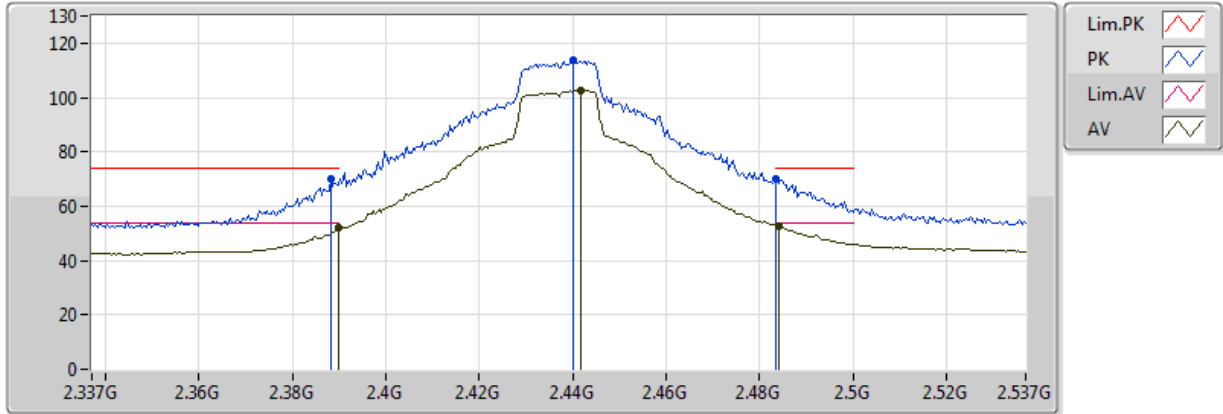


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	31.74	54.00	-22.26	2.03	3	H	150	2.52	-
PK	4.824G	45.19	74.00	-28.81	2.03	3	H	150	2.52	-

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

### 2437MHz\_TX

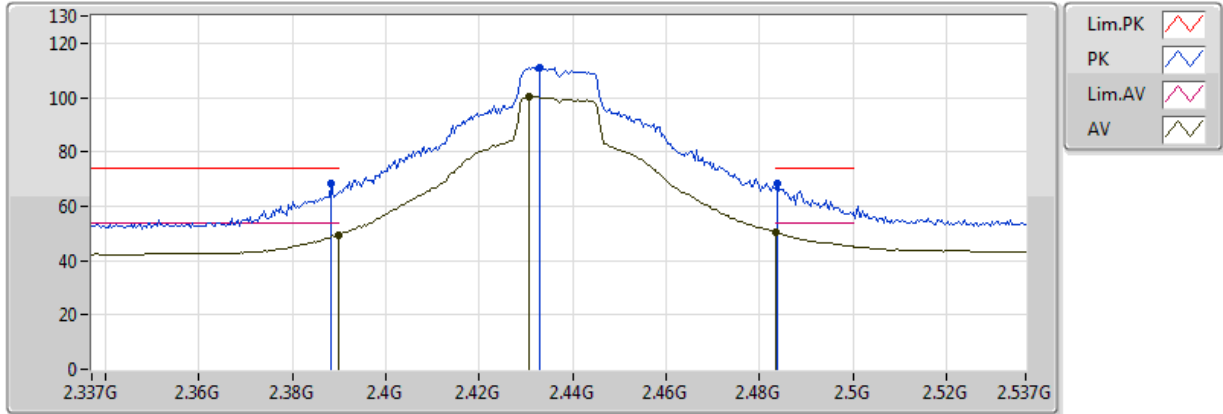


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.13	54.00	-1.87	30.76	3	V	310	1.16	-
AV	2.4418G	102.71	Inf	-Inf	30.93	3	V	310	1.16	-
AV	2.4842G	52.94	54.00	-1.06	31.08	3	V	310	1.16	-
PK	2.3882G	69.89	74.00	-4.11	30.75	3	V	310	1.16	-
PK	2.4402G	113.88	Inf	-Inf	30.93	3	V	310	1.16	-
PK	2.483502G	70.13	74.00	-3.87	31.07	3	V	310	1.16	-

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

### 2437MHz\_TX

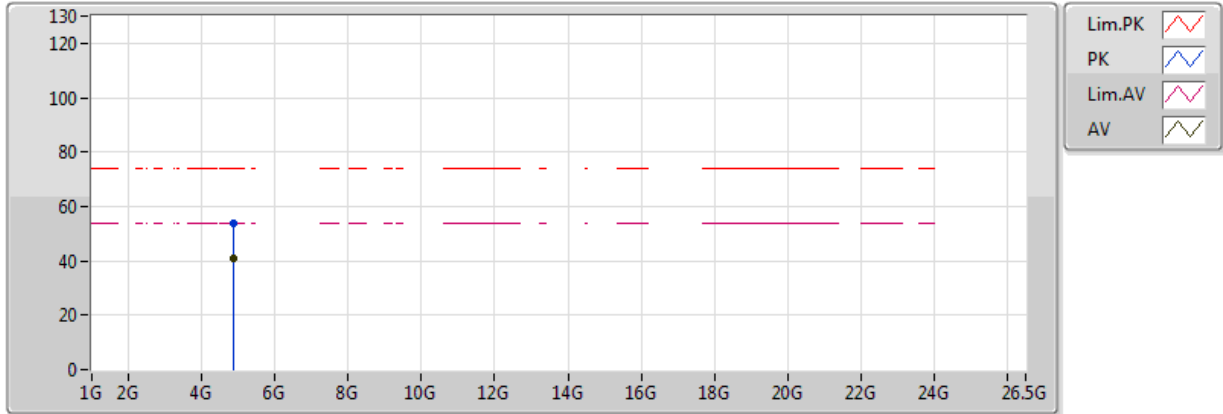


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	49.33	54.00	-4.67	30.76	3	H	7	1.54	-
AV	2.4306G	100.27	Inf	-Inf	30.89	3	H	7	1.54	-
AV	2.483502G	50.51	54.00	-3.49	31.07	3	H	7	1.54	-
PK	2.3882G	68.20	74.00	-5.80	30.75	3	H	7	1.54	-
PK	2.433G	110.88	Inf	-Inf	30.90	3	H	7	1.54	-
PK	2.4838G	68.56	74.00	-5.44	31.07	3	H	7	1.54	-

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

### 2437MHz\_TX

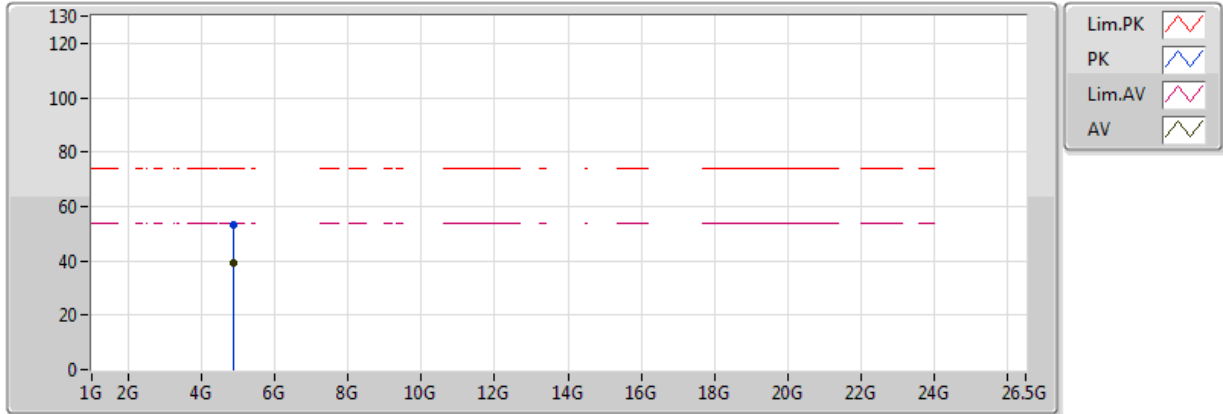


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	40.63	54.00	-13.37	2.17	3	V	359	1.44	-
PK	4.874G	53.90	74.00	-20.10	2.17	3	V	359	1.44	-

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

### 2437MHz\_TX

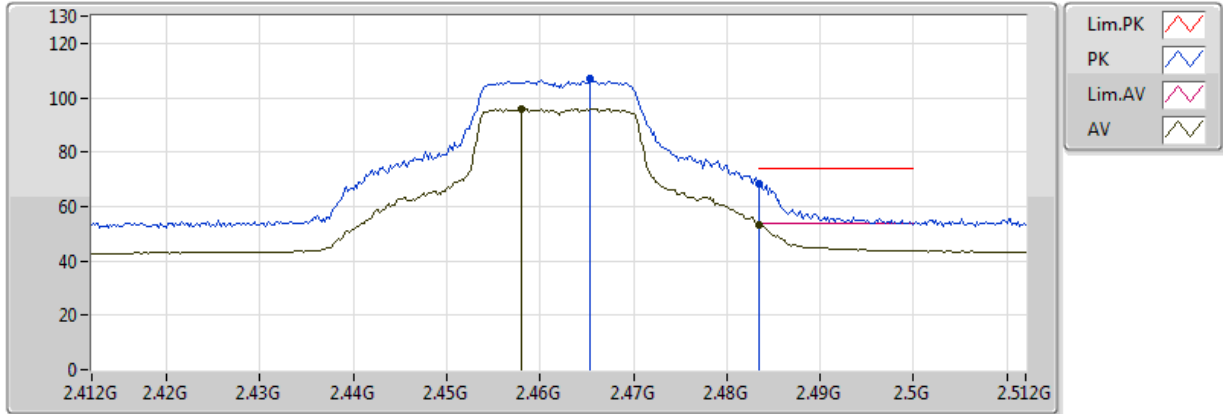


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	39.29	54.00	-14.71	2.17	3	H	223	1.50	-
PK	4.874G	52.98	74.00	-21.02	2.17	3	H	223	1.50	-

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

### 2462MHz\_TX

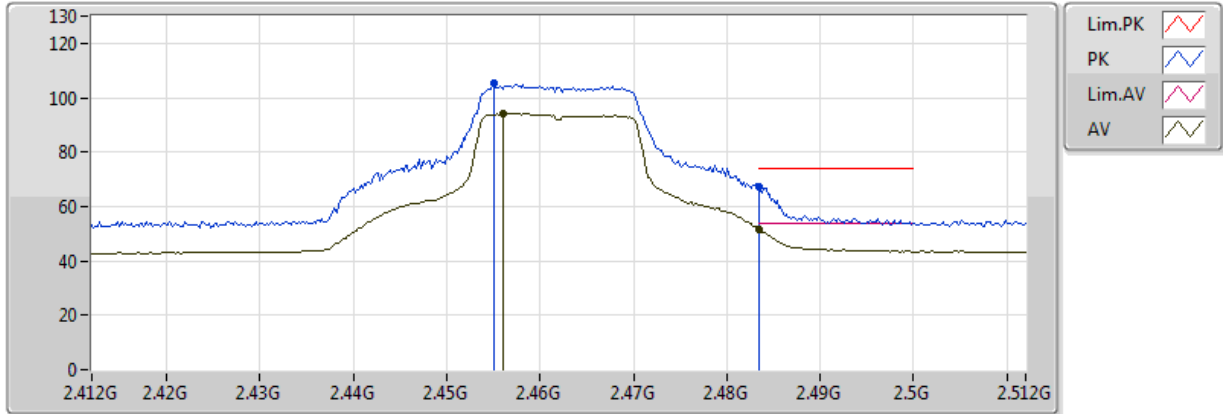


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.458G	95.96	Inf	-Inf	30.99	3	V	337	1.20	-
AV	2.483502G	53.36	54.00	-0.64	31.07	3	V	337	1.20	-
PK	2.4654G	106.91	Inf	-Inf	31.01	3	V	337	1.20	-
PK	2.483502G	68.18	74.00	-5.82	31.07	3	V	337	1.20	-

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

### 2462MHz\_TX



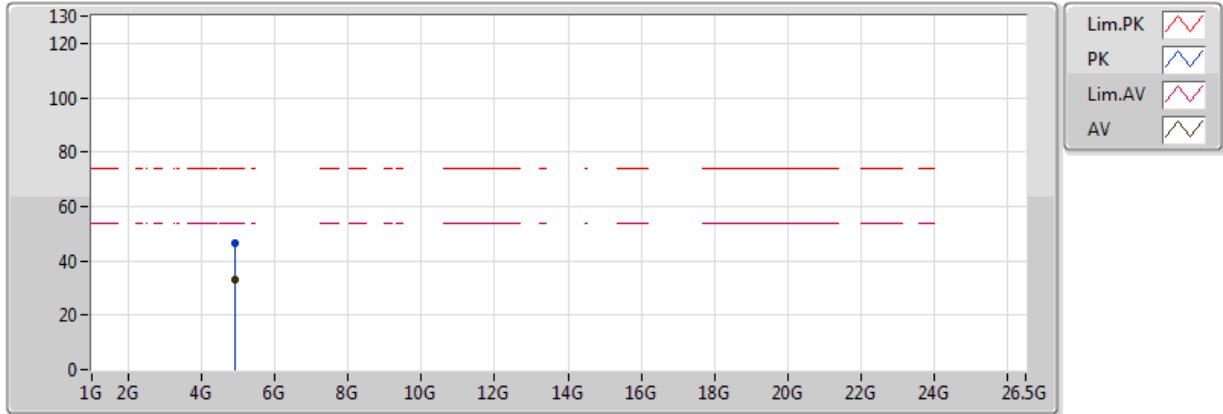
EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.456G	94.22	Inf	-Inf	30.98	3	H	349	1.25	-
AV	2.483502G	51.59	54.00	-2.41	31.07	3	H	349	1.25	-
PK	2.455G	105.07	Inf	-Inf	30.98	3	H	349	1.25	-
PK	2.483502G	67.24	74.00	-6.76	31.07	3	H	349	1.25	-



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

### 2462MHz\_TX

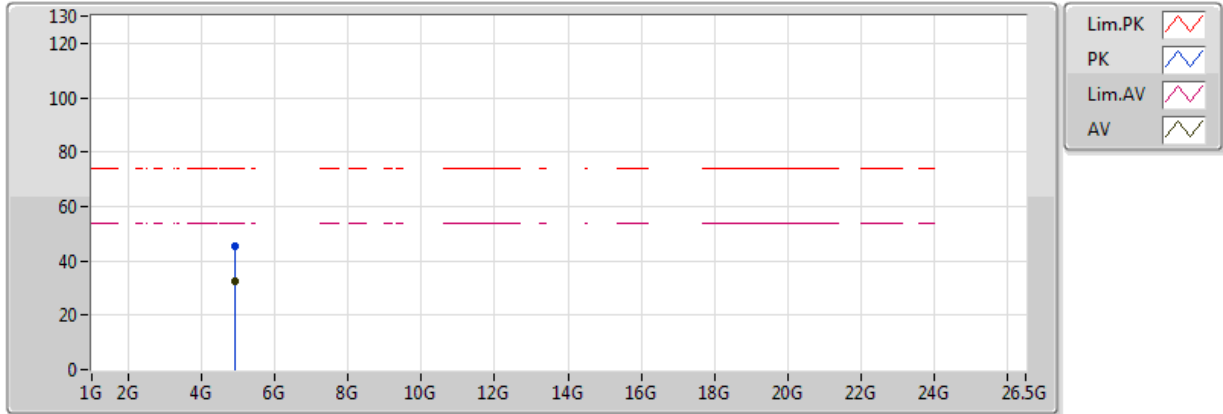


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	32.94	54.00	-21.06	2.31	3	V	11	1.34	-
PK	4.924G	46.76	74.00	-27.24	2.31	3	V	11	1.34	-

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

### 2462MHz\_TX

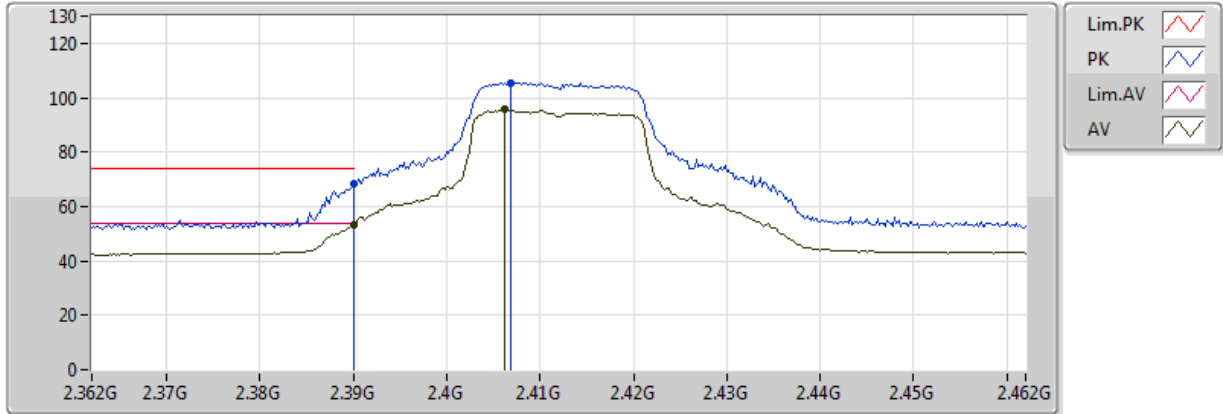


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	32.32	54.00	-21.68	2.31	3	H	191	1.52	-
PK	4.924G	45.50	74.00	-28.50	2.31	3	H	191	1.52	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2412MHz\_TX

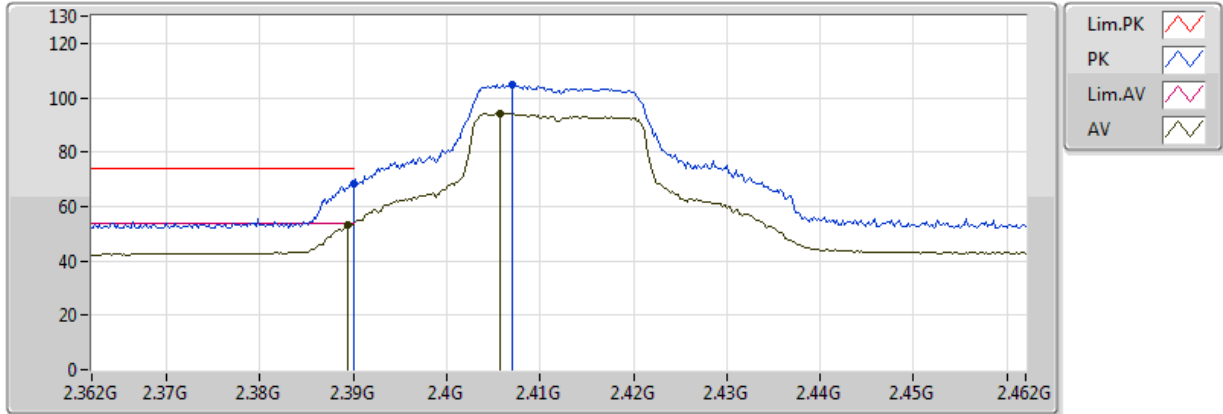


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	53.16	54.00	-0.84	30.76	3	V	321	1.61	-
AV	2.4062G	95.54	Inf	-Inf	30.81	3	V	321	1.61	-
PK	2.39G	68.25	74.00	-5.75	30.76	3	V	321	1.61	-
PK	2.4068G	105.42	Inf	-Inf	30.81	3	V	321	1.61	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2412MHz\_TX

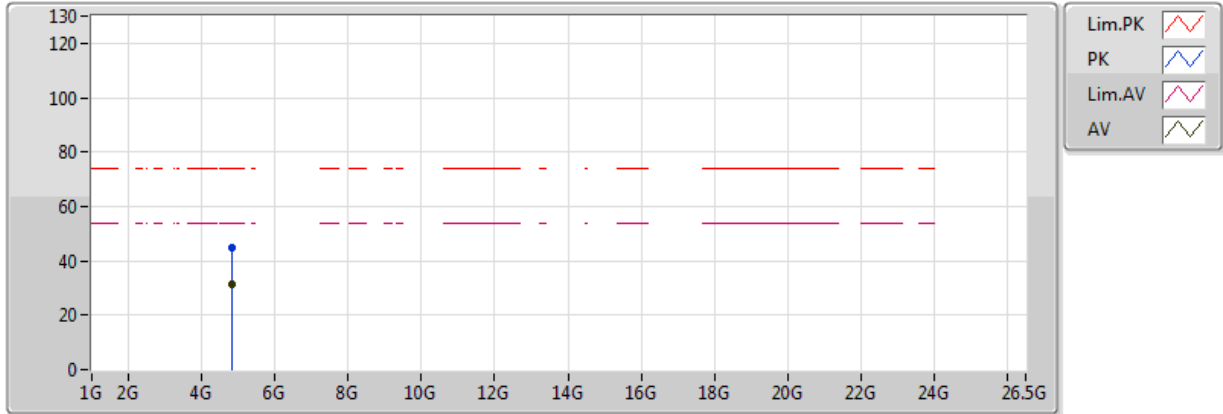


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3894G	53.40	54.00	-0.60	30.76	3	H	68	1.00	-
AV	2.4058G	94.24	Inf	-Inf	30.81	3	H	68	1.00	-
PK	2.39G	68.64	74.00	-5.36	30.76	3	H	68	1.00	-
PK	2.407G	104.77	Inf	-Inf	30.81	3	H	68	1.00	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2412MHz\_TX

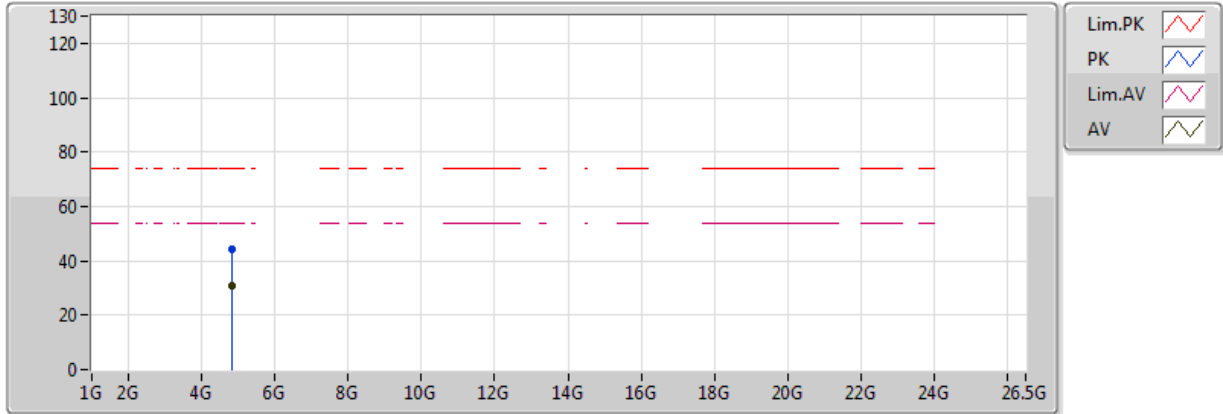


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	31.45	54.00	-22.55	2.03	3	V	332	3.10	-
PK	4.824G	44.99	74.00	-29.01	2.03	3	V	332	3.10	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

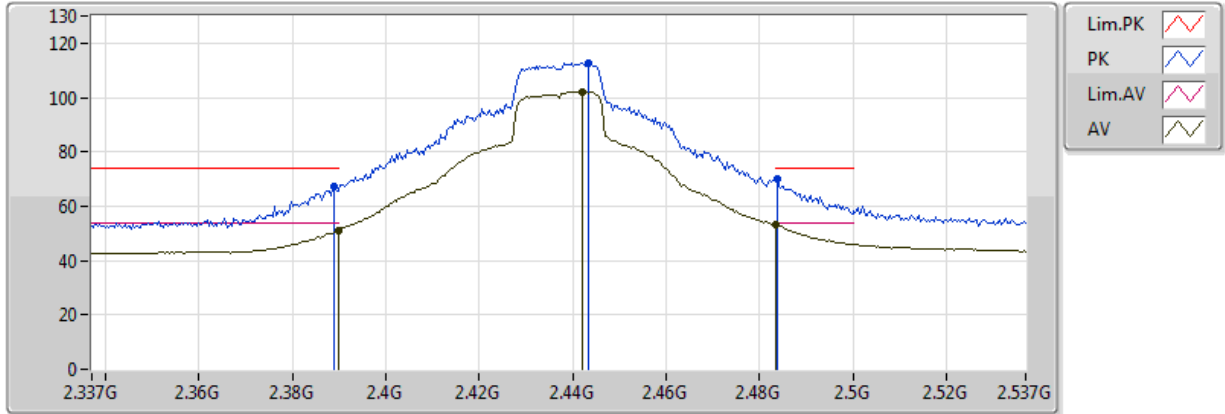
### 2412MHz\_TX



EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	30.70	54.00	-23.30	2.03	3	H	214	1.38	-
PK	4.824G	44.10	74.00	-29.90	2.03	3	H	214	1.38	-

**802.11n HT20\_Nss1,(MCS0)\_1TX  
2437MHz\_TX**

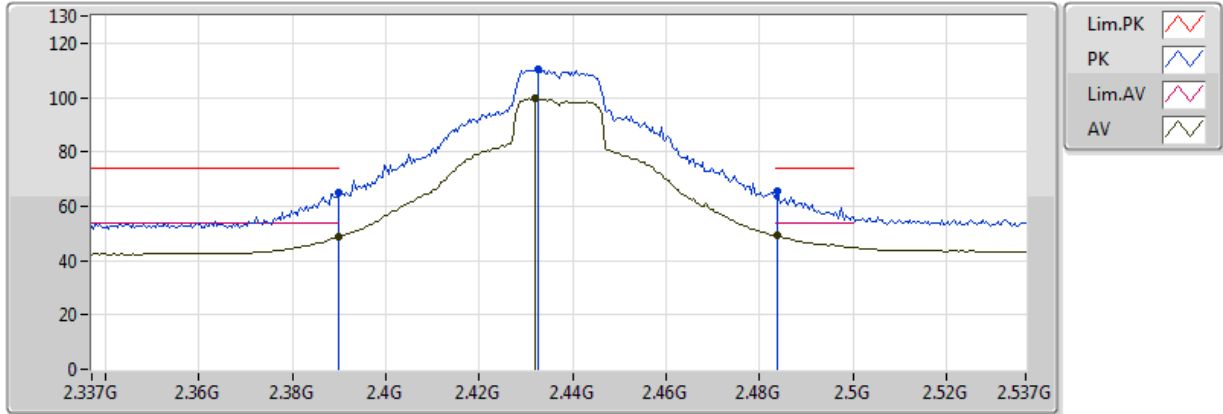


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	51.18	54.00	-2.82	30.76	3	V	307	1.15	-
AV	2.4422G	101.99	Inf	-Inf	30.93	3	V	307	1.15	-
AV	2.483502G	52.98	54.00	-1.02	31.07	3	V	307	1.15	-
PK	2.389G	66.98	74.00	-7.02	30.75	3	V	307	1.15	-
PK	2.4434G	112.69	Inf	-Inf	30.94	3	V	307	1.15	-
PK	2.4838G	69.91	74.00	-4.09	31.07	3	V	307	1.15	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2437MHz\_TX



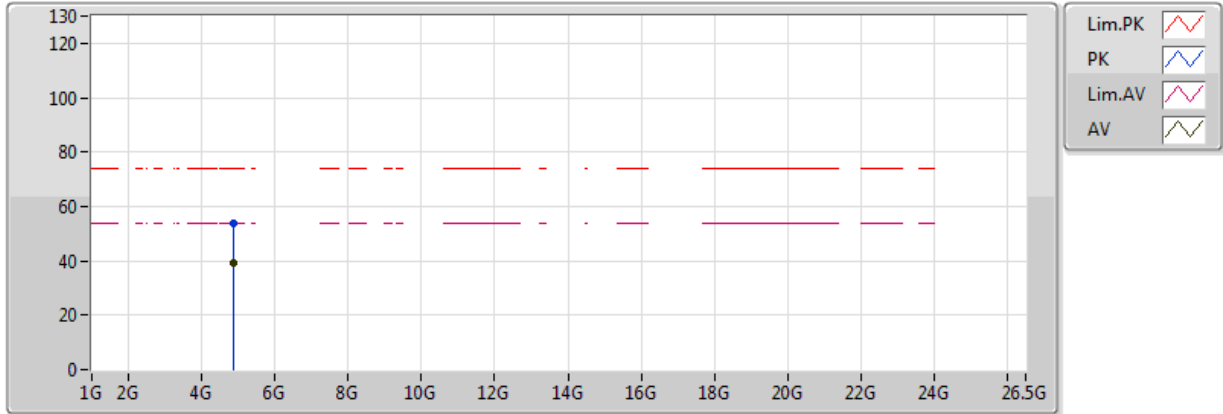
EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	48.76	54.00	-5.24	30.76	3	H	6	1.55	-
AV	2.4318G	99.56	Inf	-Inf	30.90	3	H	6	1.55	-
AV	2.4838G	49.33	54.00	-4.67	31.07	3	H	6	1.55	-
PK	2.389998G	65.20	74.00	-8.80	30.76	3	H	6	1.55	-
PK	2.4326G	110.27	Inf	-Inf	30.90	3	H	6	1.55	-
PK	2.4838G	65.36	74.00	-8.64	31.07	3	H	6	1.55	-



### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2437MHz\_TX

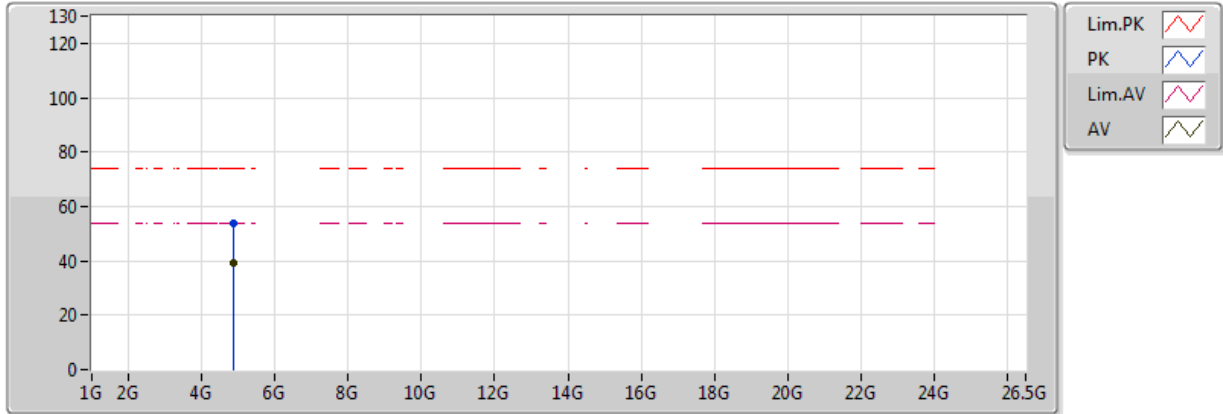


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	39.11	54.00	-14.89	2.17	3	V	211	1.72	-
PK	4.874G	53.61	74.00	-20.39	2.17	3	V	211	1.72	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2437MHz\_TX

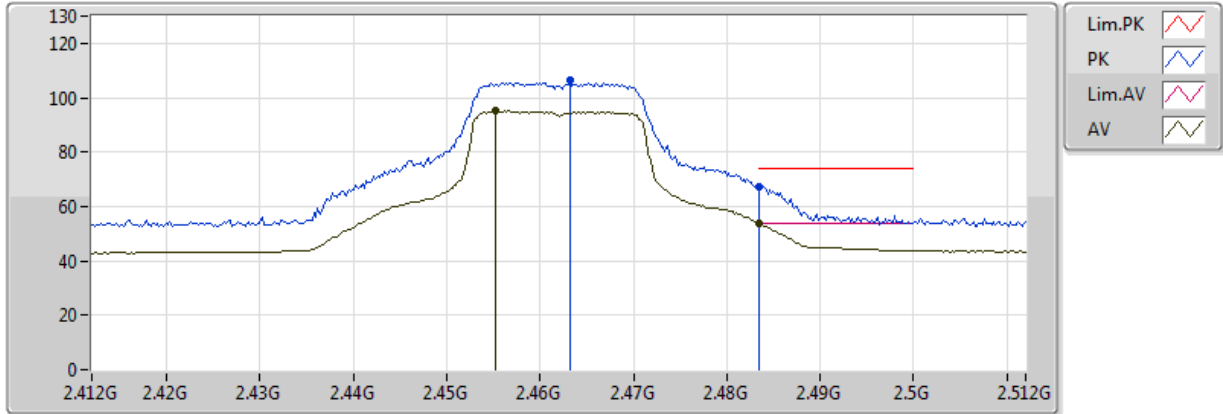


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	39.43	54.00	-14.57	2.17	3	H	210	1.14	-
PK	4.874G	53.72	74.00	-20.28	2.17	3	H	210	1.14	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2462MHz\_TX

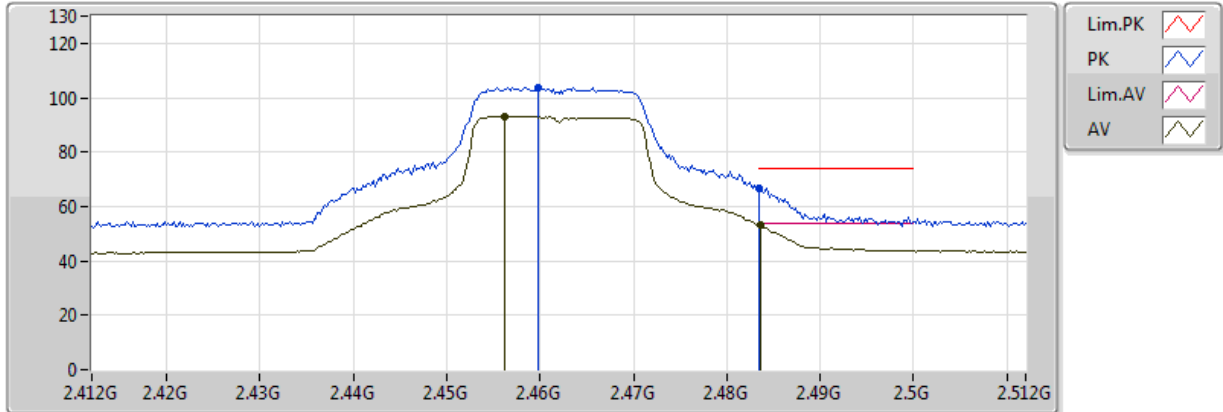


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4552G	95.13	Inf	-Inf	30.98	3	V	334	1.49	-
AV	2.483502G	53.60	54.00	-0.40	31.07	3	V	334	1.49	-
PK	2.4632G	106.26	Inf	-Inf	31.00	3	V	334	1.49	-
PK	2.483502G	67.47	74.00	-6.53	31.07	3	V	334	1.49	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2462MHz\_TX

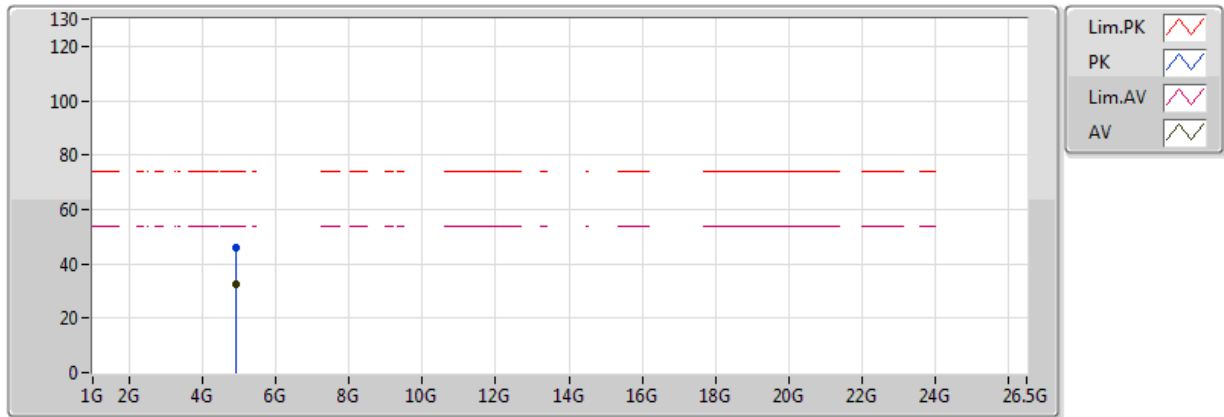


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4562G	93.20	Inf	-Inf	30.98	3	H	67	1.28	-
AV	2.4836G	53.06	54.00	-0.94	31.07	3	H	67	1.28	-
PK	2.4598G	103.94	Inf	-Inf	30.99	3	H	67	1.28	-
PK	2.483502G	66.87	74.00	-7.13	31.07	3	H	67	1.28	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2462MHz\_TX

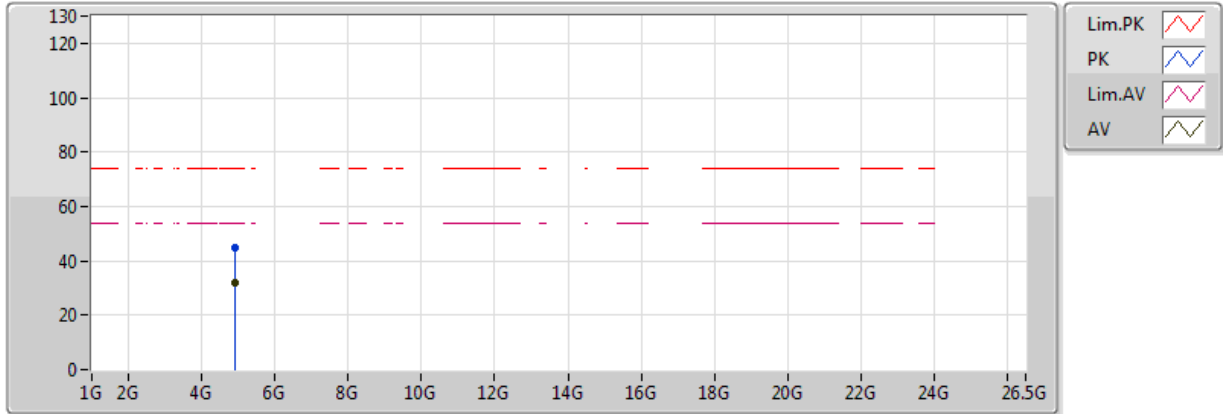


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	32.32	54.00	-21.68	2.31	3	V	16	1.22	-
PK	4.924G	46.08	74.00	-27.92	2.31	3	V	16	1.22	-

### 802.11n HT20\_Nss1,(MCS0)\_1TX

### 2462MHz\_TX

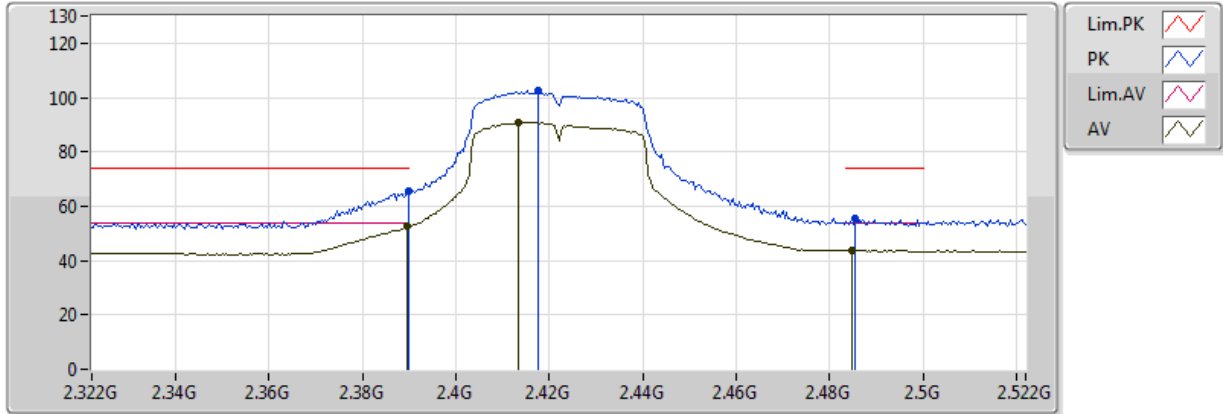


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	31.84	54.00	-22.16	2.31	3	H	190	1.50	-
PK	4.924G	44.92	74.00	-29.08	2.31	3	H	190	1.50	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2422MHz\_TX

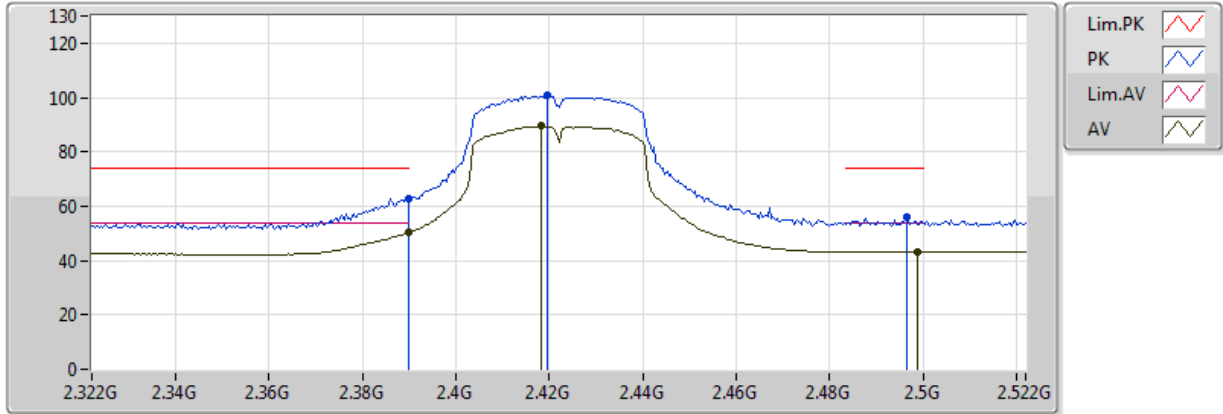


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	52.47	54.00	-1.53	30.76	3	V	326	1.13	-
AV	2.4132G	90.89	Inf	-Inf	30.83	3	V	326	1.13	-
AV	2.4848G	43.68	54.00	-10.32	31.08	3	V	326	1.13	-
PK	2.39G	65.67	74.00	-8.33	30.76	3	V	326	1.13	-
PK	2.4176G	102.62	Inf	-Inf	30.85	3	V	326	1.13	-
PK	2.4856G	55.23	74.00	-18.77	31.08	3	V	326	1.13	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2422MHz\_TX



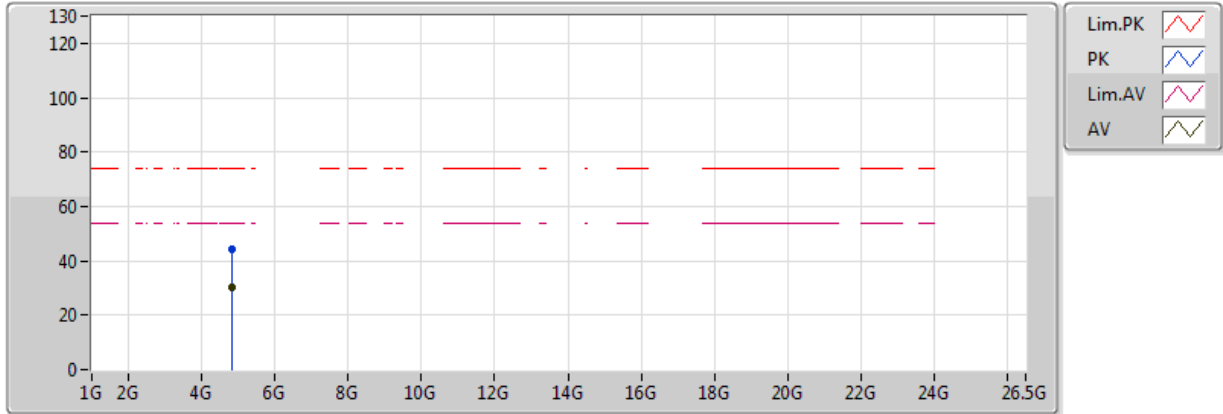
EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.55	54.00	-3.45	30.76	3	H	8	1.54	-
AV	2.4184G	89.45	Inf	-Inf	30.85	3	H	8	1.54	-
AV	2.4988G	43.38	54.00	-10.62	31.13	3	H	8	1.54	-
PK	2.39G	62.87	74.00	-11.13	30.76	3	H	8	1.54	-
PK	2.4196G	100.66	Inf	-Inf	30.86	3	H	8	1.54	-
PK	2.4964G	56.00	74.00	-18.00	31.12	3	H	8	1.54	-



### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2422MHz\_TX

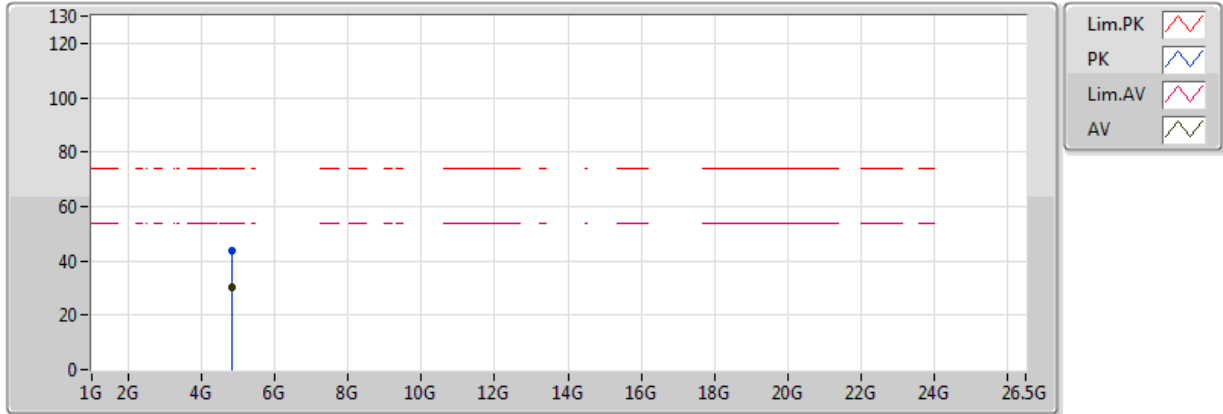


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	30.41	54.00	-23.59	2.09	3	V	88	2.14	-
PK	4.844G	44.51	74.00	-29.49	2.09	3	V	88	2.14	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2422MHz\_TX

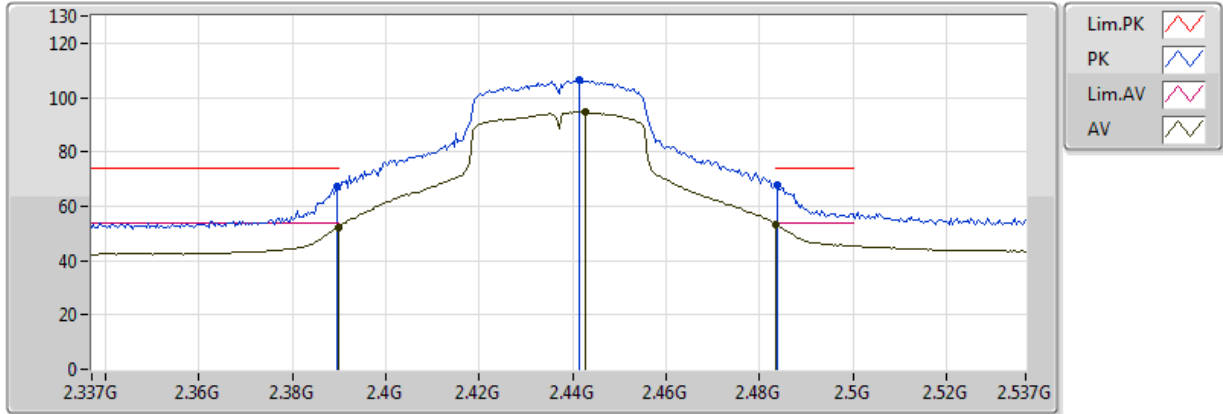


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	30.14	54.00	-23.86	2.09	3	H	48	1.72	-
PK	4.844G	43.79	74.00	-30.21	2.09	3	H	48	1.72	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2437MHz\_TX

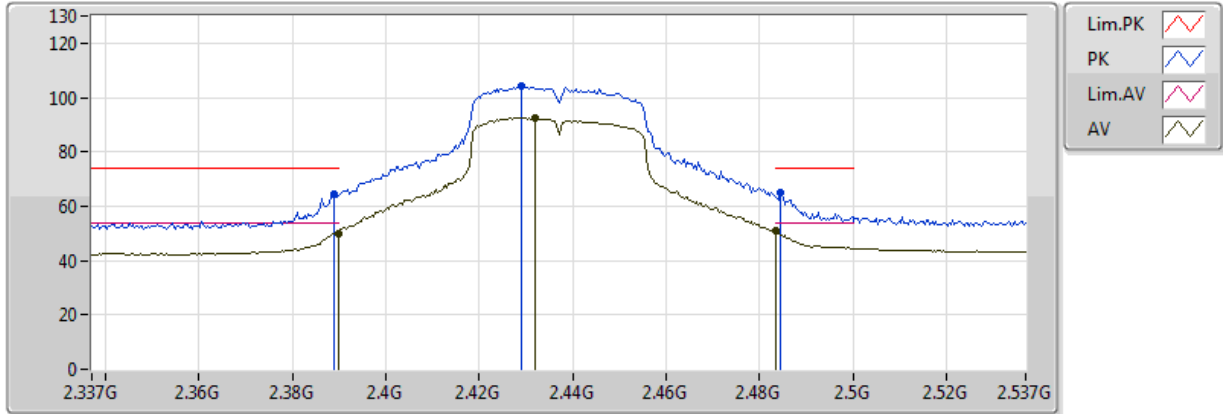


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.19	54.00	-1.81	30.76	3	V	309	1.12	-
AV	2.4426G	94.76	Inf	-Inf	30.93	3	V	309	1.12	-
AV	2.483502G	53.46	54.00	-0.54	31.07	3	V	309	1.12	-
PK	2.3894G	67.52	74.00	-6.48	30.76	3	V	309	1.12	-
PK	2.4414G	106.30	Inf	-Inf	30.93	3	V	309	1.12	-
PK	2.4838G	67.87	74.00	-6.13	31.07	3	V	309	1.12	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2437MHz\_TX

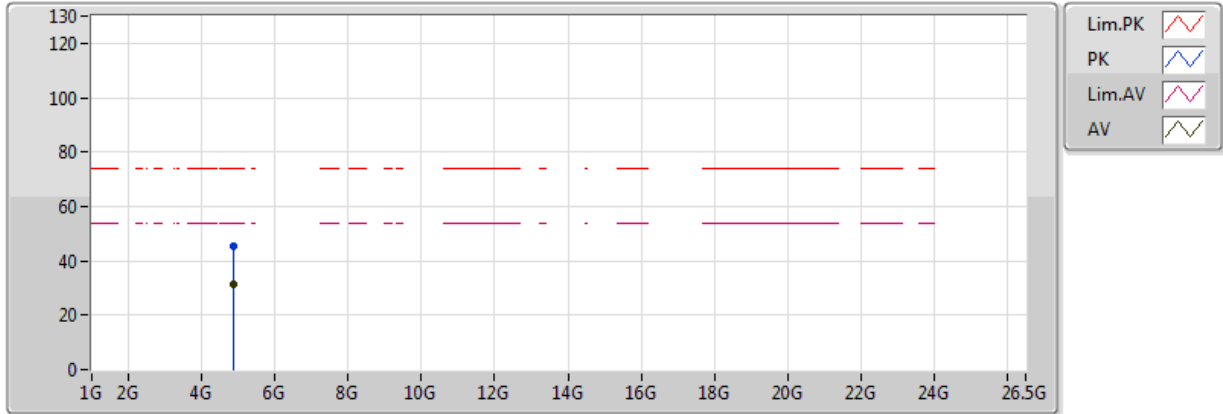


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	50.07	54.00	-3.93	30.76	3	H	7	1.55	-
AV	2.4318G	92.53	Inf	-Inf	30.90	3	H	7	1.55	-
AV	2.483502G	51.04	54.00	-2.96	31.07	3	H	7	1.55	-
PK	2.389G	64.40	74.00	-9.60	30.75	3	H	7	1.55	-
PK	2.429G	104.07	Inf	-Inf	30.89	3	H	7	1.55	-
PK	2.4846G	64.85	74.00	-9.15	31.08	3	H	7	1.55	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2437MHz\_TX

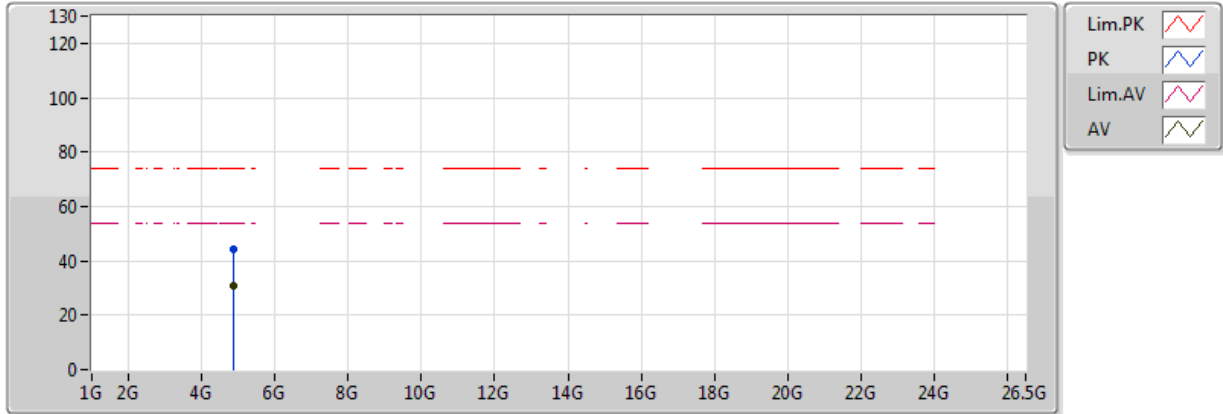


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	31.47	54.00	-22.53	2.17	3	V	134	2.00	-
PK	4.874G	45.11	74.00	-28.89	2.17	3	V	134	2.00	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2437MHz\_TX

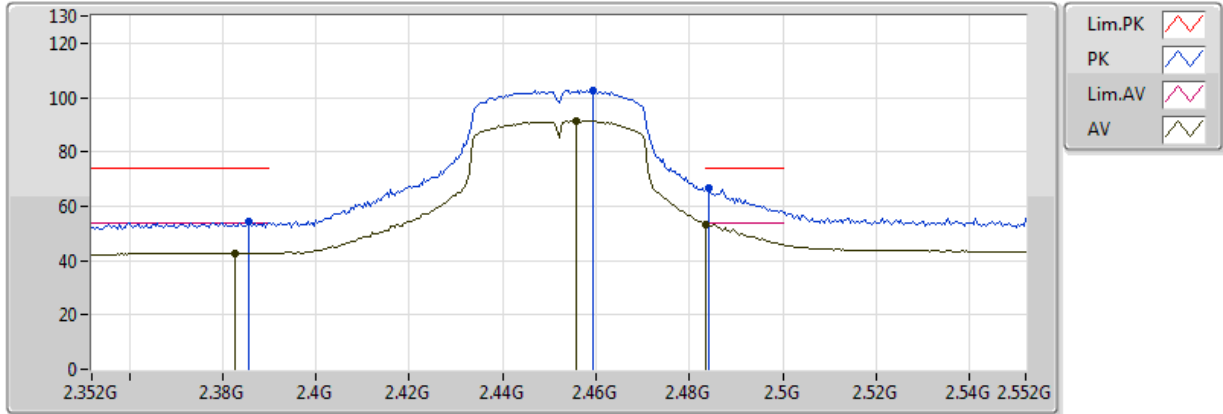


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	30.65	54.00	-23.35	2.17	3	H	303	1.09	-
PK	4.874G	44.32	74.00	-29.68	2.17	3	H	303	1.09	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

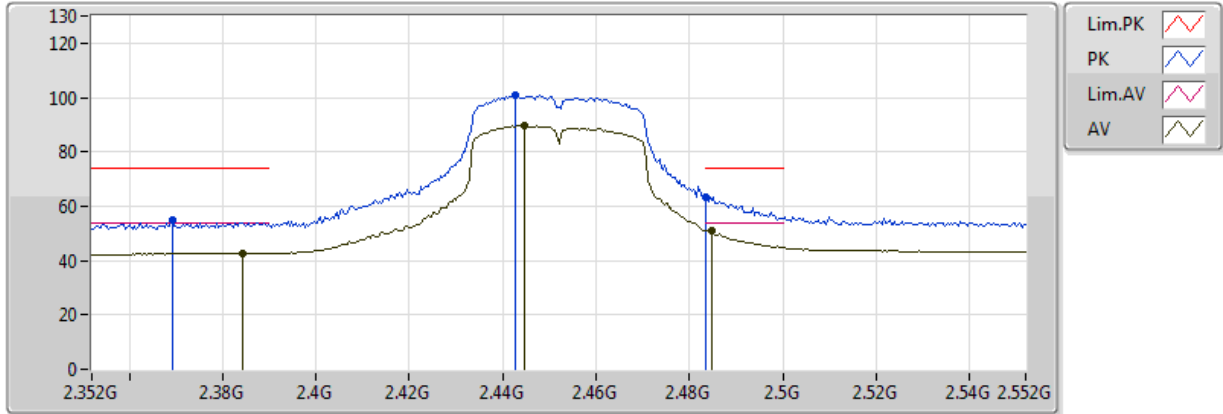
### 2452MHz\_TX



EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3828G	42.81	54.00	-11.19	30.73	3	V	335	1.51	-
AV	2.4556G	91.57	Inf	-Inf	30.98	3	V	335	1.51	-
AV	2.4836G	53.49	54.00	-0.51	31.07	3	V	335	1.51	-
PK	2.3856G	54.46	74.00	-19.54	30.74	3	V	335	1.51	-
PK	2.4592G	102.79	Inf	-Inf	30.99	3	V	335	1.51	-
PK	2.484G	66.84	74.00	-7.16	31.08	3	V	335	1.51	-

**802.11n HT40\_Nss1,(MCS0)\_1TX  
2452MHz\_TX**



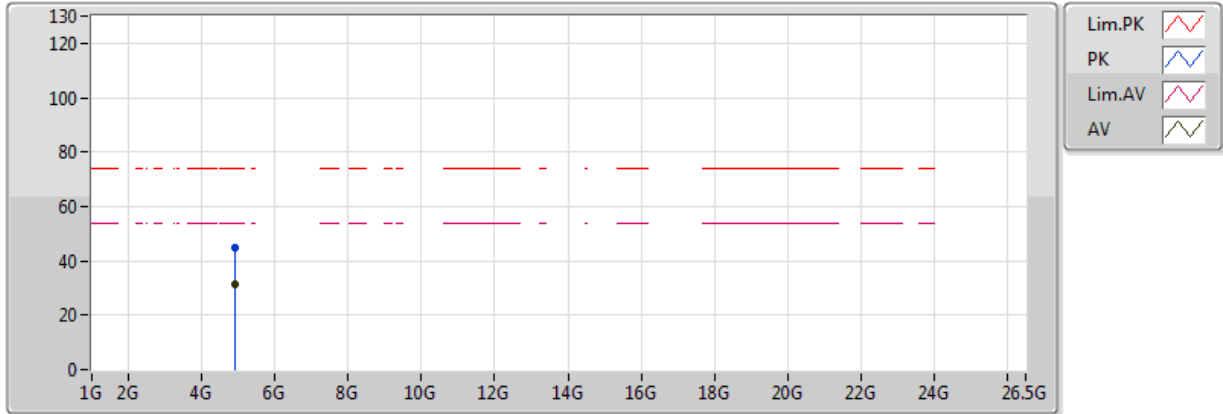
EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3844G	42.78	54.00	-11.22	30.74	3	H	7	1.32	-
AV	2.4448G	89.54	Inf	-Inf	30.94	3	H	7	1.32	-
AV	2.4848G	51.02	54.00	-2.98	31.08	3	H	7	1.32	-
PK	2.3692G	54.90	74.00	-19.10	30.69	3	H	7	1.32	-
PK	2.4428G	100.99	Inf	-Inf	30.94	3	H	7	1.32	-
PK	2.4836G	63.28	74.00	-10.72	31.07	3	H	7	1.32	-



### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2452MHz\_TX

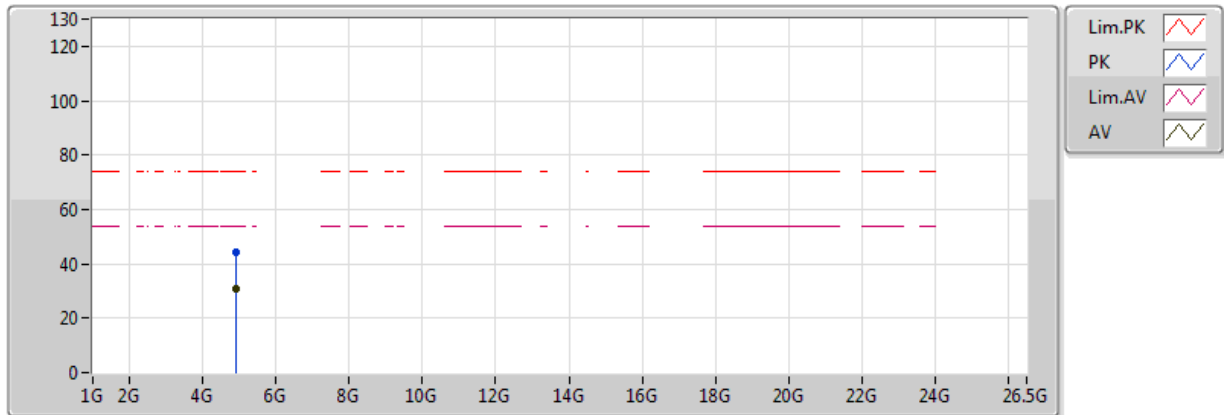


EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	31.24	54.00	-22.76	2.25	3	V	107	2.13	-
PK	4.904G	44.92	74.00	-29.08	2.25	3	V	107	2.13	-

### 802.11n HT40\_Nss1,(MCS0)\_1TX

### 2452MHz\_TX



EUT = Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	30.82	54.00	-23.18	2.25	3	H	284	2.08	-
PK	4.904G	44.45	74.00	-29.55	2.25	3	H	284	2.08	-