FCC Test Report

Equipment	:	Wireless Access Point
Brand Name	:	cbn
Model No.	:	AP7465CE, AP7465XXXXXX (The "X" in the model name can be 0 to 9 , A to Z , dash or blank)
FCC ID	:	O2U-AP7465
Standard	:	47 CFR FCC Part 15.247
Operating Band	:	2400 MHz – 2483.5 MHz
Function	:	☒ Point-to-multipoint; ☐ Point-to-point
Applicant	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Manufacturer	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.

The product sample received on Sep. 09, 2017 and completely tested on Jan. 16, 2018. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Cliff Chang
SPORTON INTERNATIONAL INC.

TAF Testing Laboratory 1190

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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
FR790626AA	Rev. 01	Initial issue of report	Feb. 26, 2018

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name P/N	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	CBN	120300001900C	Embedded Antenna	I-PEX	3.04	5
2	CBN	120300002000C	Embedded Antenna	I-PEX	3.13	5
3	CBN	120300001800C	Embedded Antenna	I-PEX	-	5

<5GHz Composite Gain (Directional Gain)>

Stream	Composite Gain (Directional Gain) (dBi)	
	5GHz Band 1	5GHz Band 4
3T1S	5.65	5.11

Note: The EUT has three antennas.

For 2.4GHz WLAN function

For IEEE 802.11b/g/n mode (2TX, 2RX):

Ant. 1(Port 1) and Ant. 2(Port 2) could transmit/receive simultaneously.

For 5GHz WLAN function

For IEEE 802.11a/n/ac mode (3TX, 3RX):

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.946	0.241	1.4m	1k
802.11n HT20	0.938	0.278	2.645m	1k
802.11n HT40	0.846	0.726	652.5u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming in IEEE 802 11n/ac in 5GHz	☐	Without beamforming
Test Software Version	Telnet, QATool, Dos			

1.1.5 Table for Multiple Listing

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

Model Name	Description
AP7465CE	All the models are identical, the difference model served as marketing strategy.
AP7465XXXXXX(The "X" in the model name can be 0 to 9 , A to Z , dash ok blank)	

Note: From the above models, model: AP7465CE was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v04
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location							
☐	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
☒	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%	Sep. 19, 2017~Jan. 16, 2018
Radiated	03CH01-CB	Welson Chen / Stim Sung / Nyle Chang	22°C / 54%	Sep. 09, 2017~Dec. 22, 2017
AC Conduction	CO01-CB	Wei Li	25°C / 64%	Sep. 18, 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	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	27
2437MHz	27
2462MHz	27
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	23
2417MHz	2A
2422MHz	2A
2427MHz	30
2437MHz	30
2447MHz	30
2452MHz	2E
2457MHz	2A
2462MHz	24
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	29
2422MHz	2A
2427MHz	2D
2432MHz	30
2437MHz	30
2447MHz	30
2452MHz	2D
2457MHz	2A
2462MHz	23
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	1A
2427MHz	1E
2432MHz	20
2437MHz	24
2442MHz	23
2447MHz	20
2452MHz	1C

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
Operating Mode > 1GHz	CTX

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.: FA790626 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used in Y axis.

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				
No.	**Equipment Name**	**Brand Name**	**Model Name**	**Rating**
1	Adapter	SHENZHEN FRECOM ELECTRONICS CO. LTD	F30L2-120250SPAU	INPUT: 100-120V~50/60Hz 0.8A OUTPUT: 12V, 2.5A
RJ-45 cable*1, Non-Shielded, 1.5m				

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E6430	DoC

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	NB*2	Apple	Mac Book	DoC

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

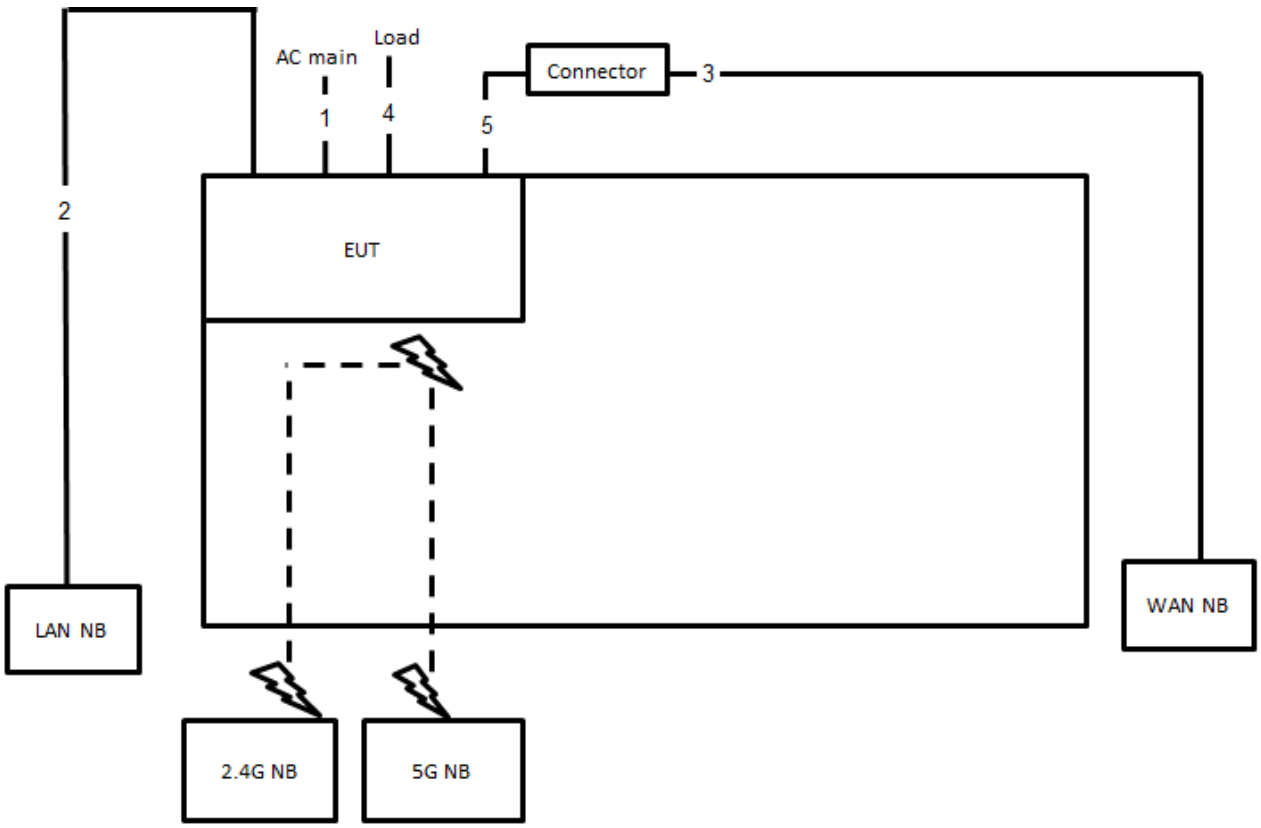
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC

For Test Site No: TH01-CB

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

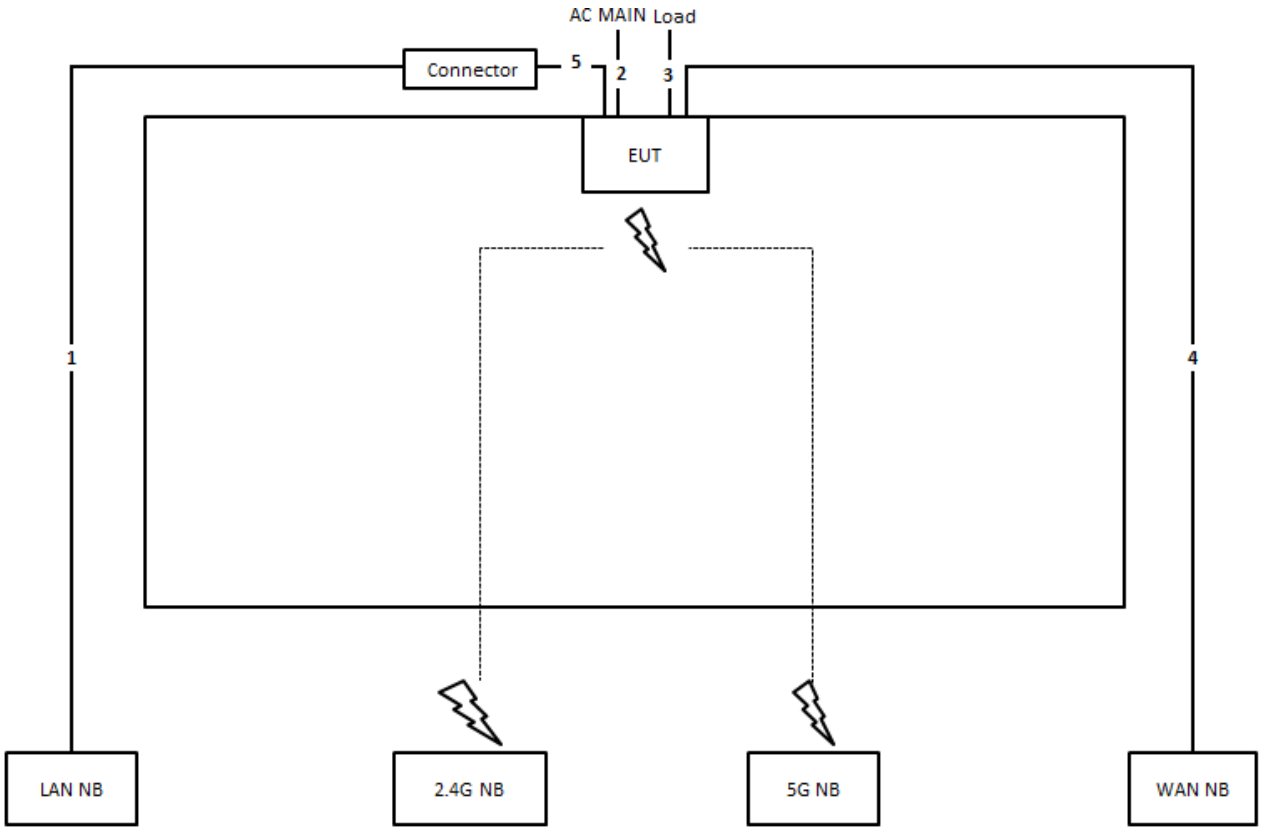
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



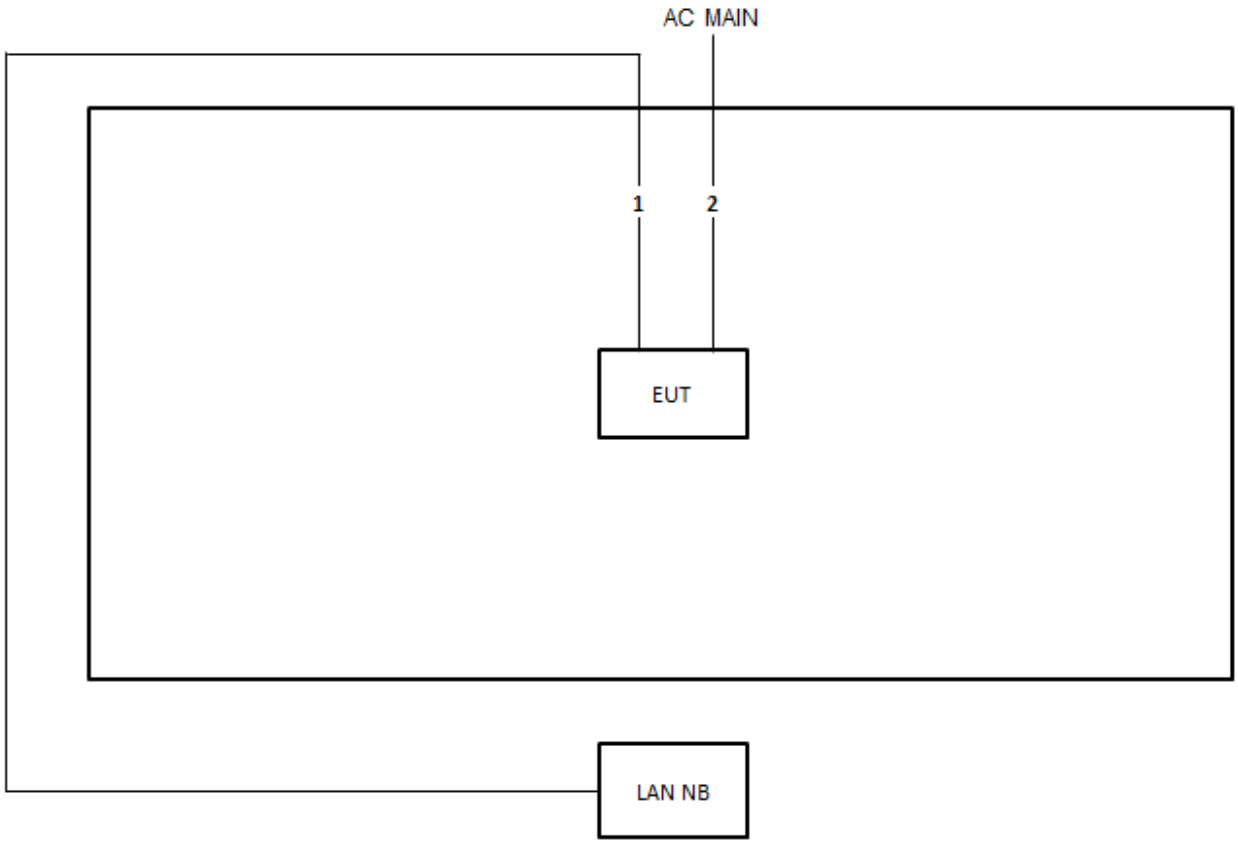
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1.5m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	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

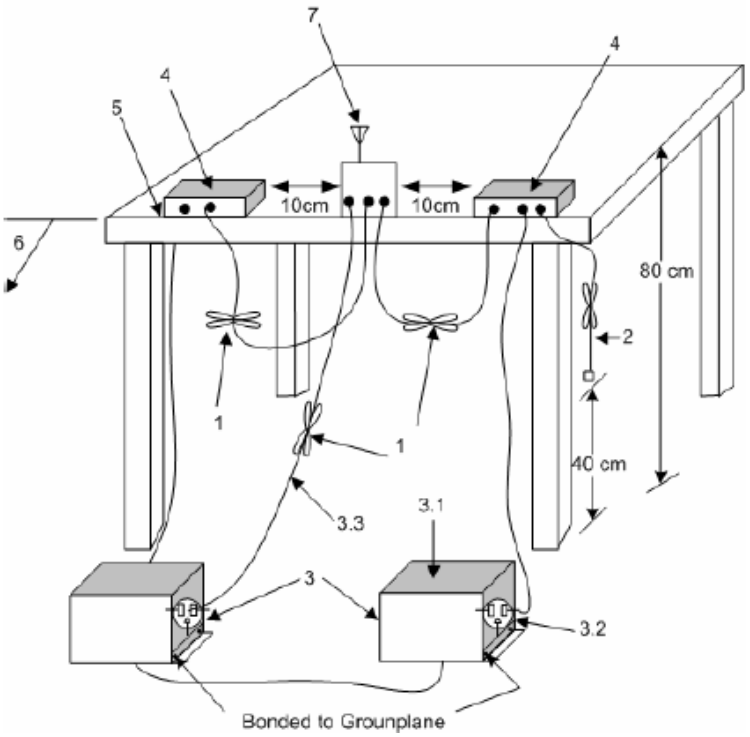
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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:
▪ 6 dB bandwidth ≥ 500 kHz.

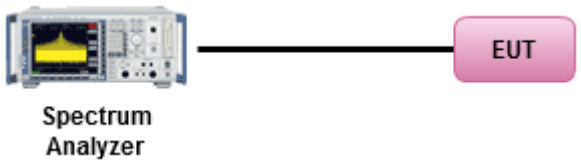
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
	☐ 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
	☐ Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	☐ 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
	☒ Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM-G (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 9.1.2 PKPM1 Peak power meter method.
▪ For conducted measurement.	
	▪ 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.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

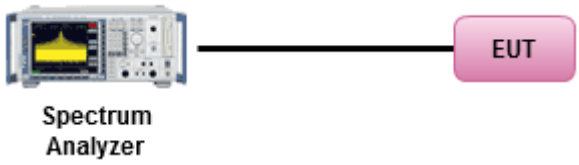
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).	
	[duty cycle ≥ 98% or external video / power trigger]	
	☐ Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).	
	☐ 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	
	☐ Refer as FCC KDB 558074, clause 10.5 Method AVGPSD-1 Alt (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☒ 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.
		☐ 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,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


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

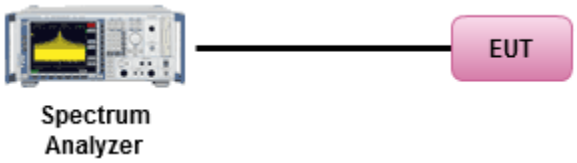
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



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.

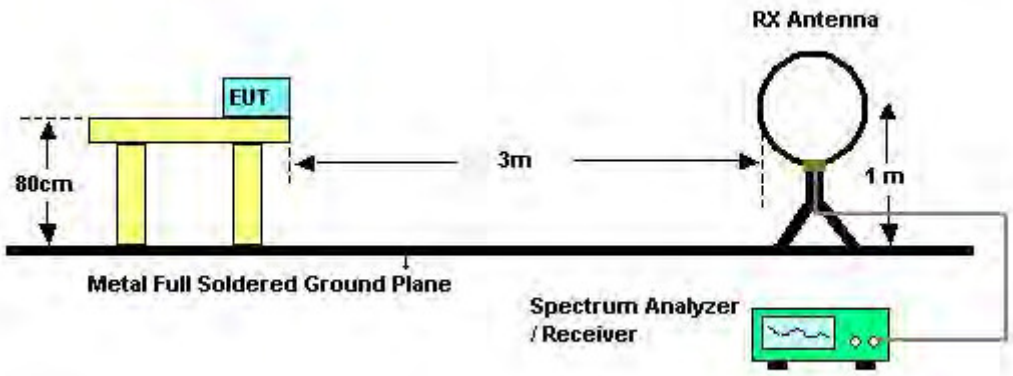
3.6.3 Test Procedures

Test Method		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ 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.		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)
		☐ Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
		☒ Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW≥1/T).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 558074, clause 12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:		
	▪ 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.	
	▪ Refer as FCC KDB 558074, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.	
	▪ 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).	
▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.		
	▪ 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	
	▪ 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.	

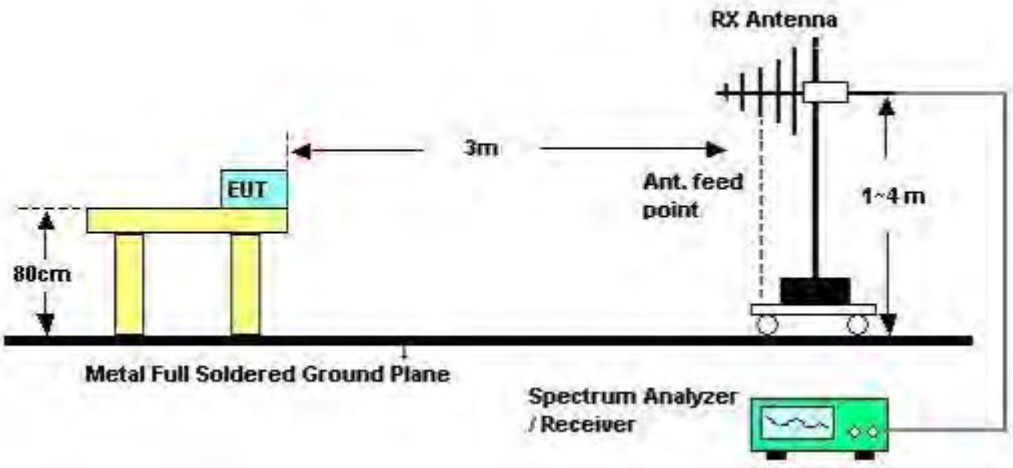
3.6.4 Test Setup

Transmitter Radiated Emissions

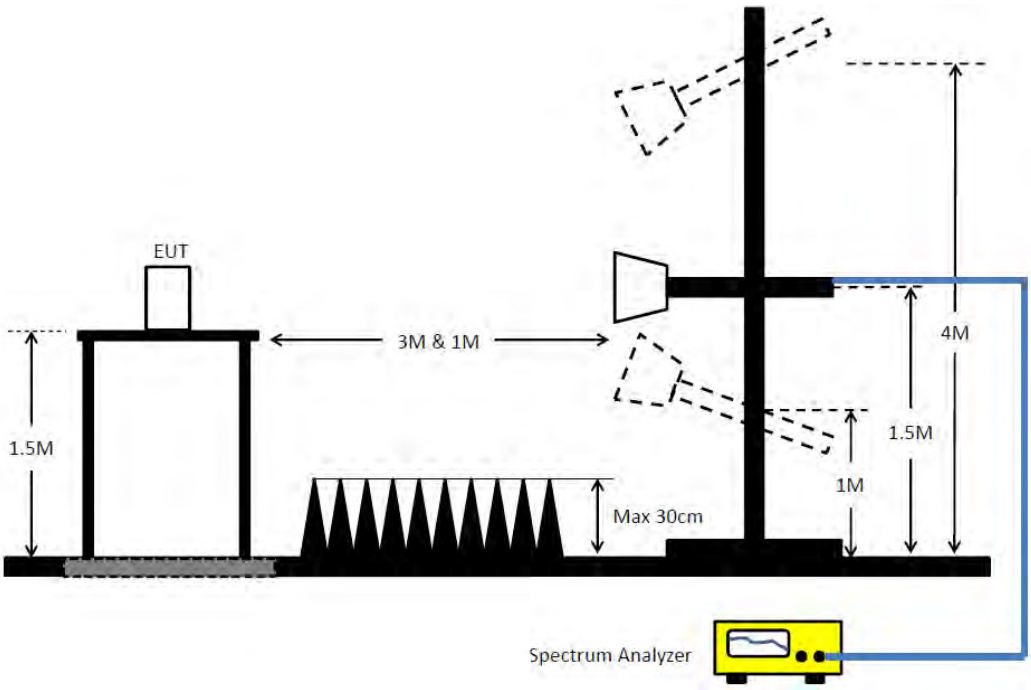
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

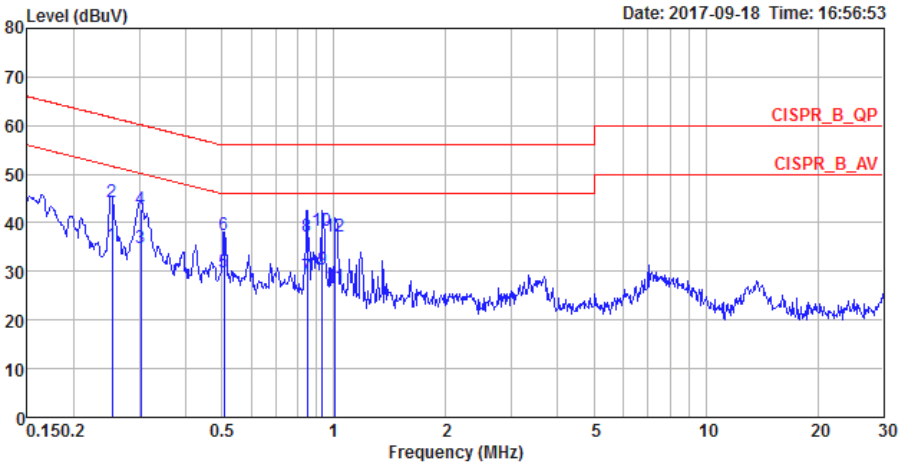
4 Test Equipment and Calibration Data

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-50-16-2	04083	150kHz ~ 100MHz	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)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-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)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 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. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	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. 24, 2016	Oct. 23, 2017	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-l0-7	N/A	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Oct. 23, 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-7	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	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-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	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-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	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. 24, 2016	Oct. 23, 2017	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.

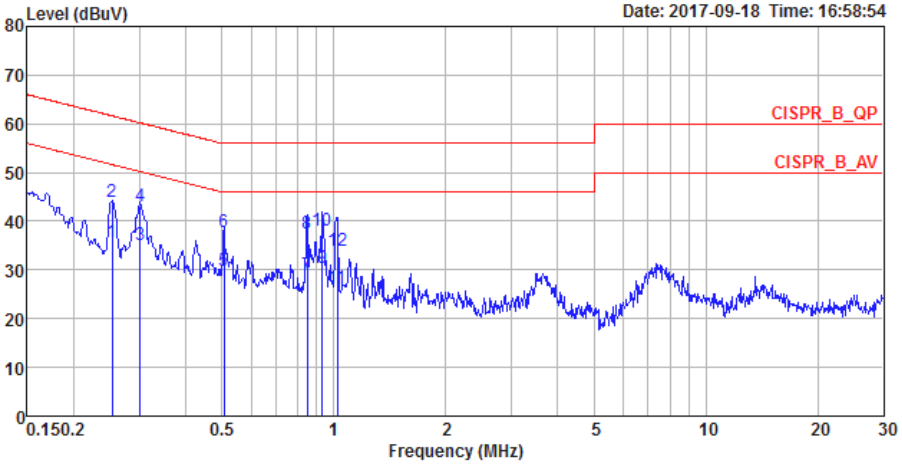
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.2532	35.49	-16.16	51.65	25.32	10.08	0.09	Average	NEUTRAL
2	0.2532	44.16	-17.49	61.65	33.99	10.08	0.09	QP	NEUTRAL
3	0.3031	34.89	-15.27	50.16	24.68	10.15	0.06	Average	NEUTRAL
4	0.3031	42.67	-17.49	60.16	32.46	10.15	0.06	QP	NEUTRAL
5	0.5062	29.69	-16.31	46.00	19.41	10.22	0.06	Average	NEUTRAL
6	0.5062	37.60	-18.40	56.00	27.32	10.22	0.06	QP	NEUTRAL
7	0.8483	29.01	-16.99	46.00	18.75	10.10	0.16	Average	NEUTRAL
8	0.8483	37.22	-18.78	56.00	26.96	10.10	0.16	QP	NEUTRAL
9	0.9331	30.30	-15.70	46.00	20.05	10.07	0.18	Average	NEUTRAL
10	0.9331	38.26	-17.74	56.00	28.01	10.07	0.18	QP	NEUTRAL
11	1.0103	26.92	-19.08	46.00	16.68	10.05	0.19	Average	NEUTRAL
12	1.0103	37.33	-18.67	56.00	27.09	10.05	0.19	QP	NEUTRAL

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
Operating Function	Normal Link		



	Freq	Level	Limit	Line	Level	SN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.2535	35.66	-15.98	51.64	25.65	9.92	0.09	Average	LINE
2	0.2535	44.09	-17.55	61.64	34.08	9.92	0.09	QP	LINE
3	0.3014	35.06	-15.14	50.20	25.07	9.93	0.06	Average	LINE
4	0.3014	43.18	-17.02	60.20	33.19	9.93	0.06	QP	LINE
5	0.5064	29.82	-16.18	46.00	19.81	9.95	0.06	Average	LINE
6	0.5064	37.71	-18.29	56.00	27.70	9.95	0.06	QP	LINE
7	0.8483	29.08	-16.92	46.00	18.96	9.96	0.16	Average	LINE
8	0.8483	37.39	-18.61	56.00	27.27	9.96	0.16	QP	LINE
9	0.9331	30.38	-15.62	46.00	20.24	9.96	0.18	Average	LINE
10	0.9331	38.03	-17.97	56.00	27.89	9.96	0.18	QP	LINE
11	1.0211	26.40	-19.60	46.00	16.25	9.96	0.19	Average	LINE
12	1.0211	33.98	-22.02	56.00	23.83	9.96	0.19	QP	LINE

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.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	10.05M	14.668M	14M7G1D	9.05M	14.343M
802.11g_Nss1,(6Mbps)_2TX	15.275M	21.589M	21M6D1D	13.85M	16.367M
802.11n HT20_Nss1,(MCS0)_2TX	15.1M	22.989M	23M0D1D	15M	17.516M
802.11n HT40_Nss1,(MCS0)_2TX	35.05M	36.032M	36M0D1D	33.65M	35.832M

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

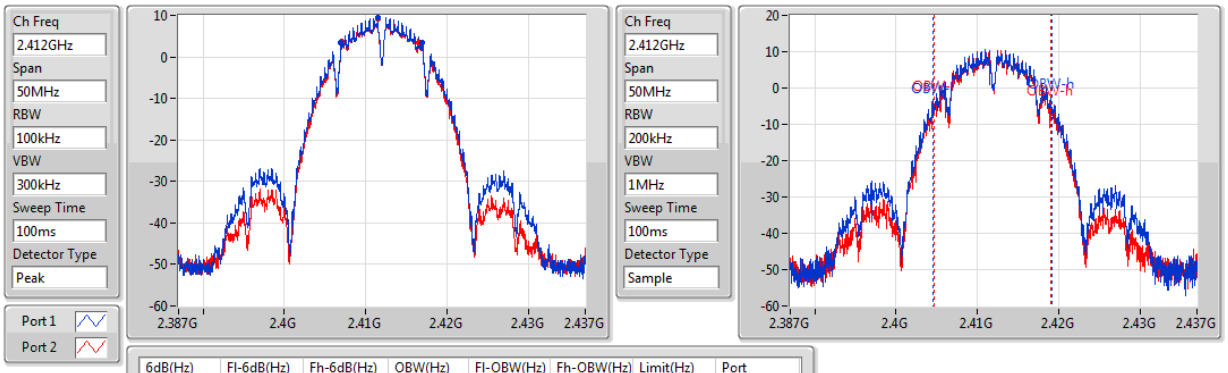
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10M	14.618M	9.55M	14.343M
2437MHz	Pass	500k	9.05M	14.668M	10M	14.393M
2462MHz	Pass	500k	10.025M	14.65M	10.05M	14.375M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.125M	16.467M	15.1M	16.367M
2437MHz	Pass	500k	15.275M	21.589M	15M	20.19M
2462MHz	Pass	500k	13.85M	16.367M	15.075M	16.392M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15M	17.541M	15.025M	17.516M
2437MHz	Pass	500k	15.1M	22.989M	15.05M	21.564M
2462MHz	Pass	500k	15.075M	17.591M	15M	17.516M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.65M	35.882M	35.05M	35.882M
2437MHz	Pass	500k	33.85M	35.982M	33.8M	36.032M
2452MHz	Pass	500k	35.05M	35.832M	35.05M	35.832M

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

802.11b_Nss1,(1Mbps)_2TX EBW

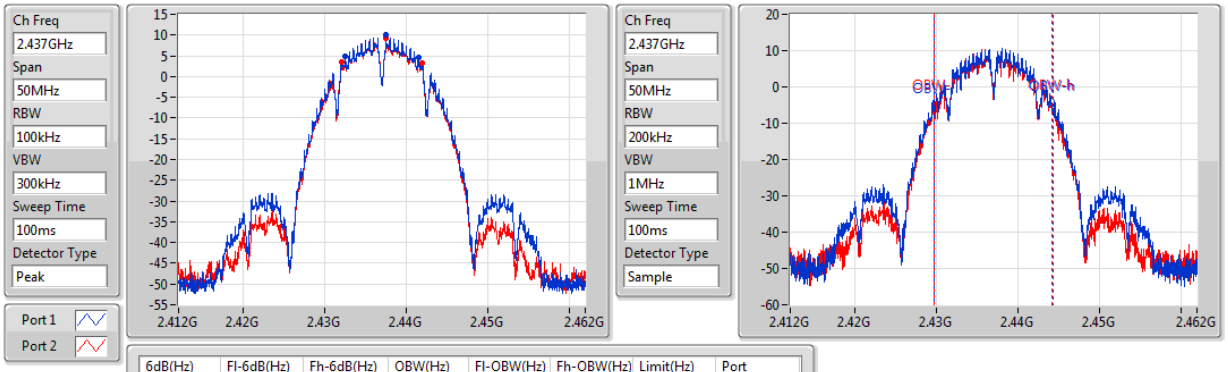
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10M	2.406975G	2.416975G	14.618M	2.404604G	2.419221G	500k	1
9.55M	2.407G	2.41655G	14.343M	2.404729G	2.419071G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

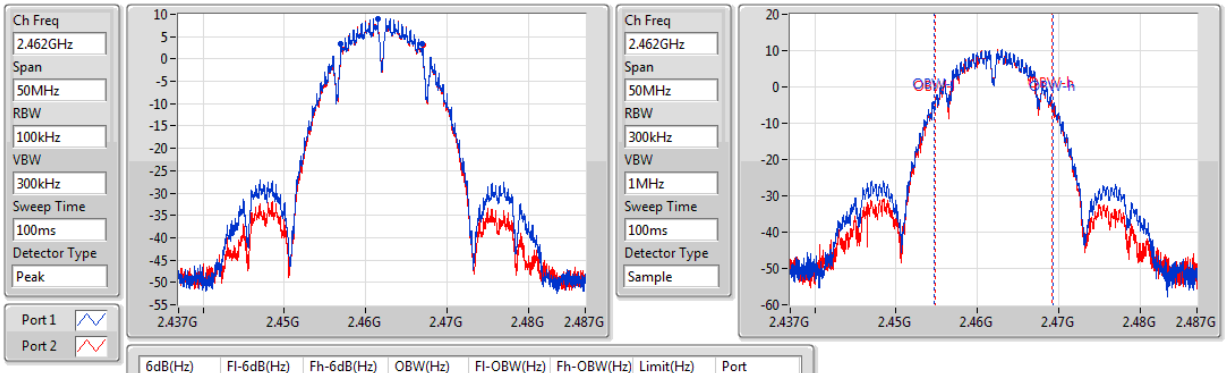
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.432475G	2.441525G	14.668M	2.429629G	2.444296G	500k	1
10M	2.432G	2.442G	14.393M	2.429754G	2.444146G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

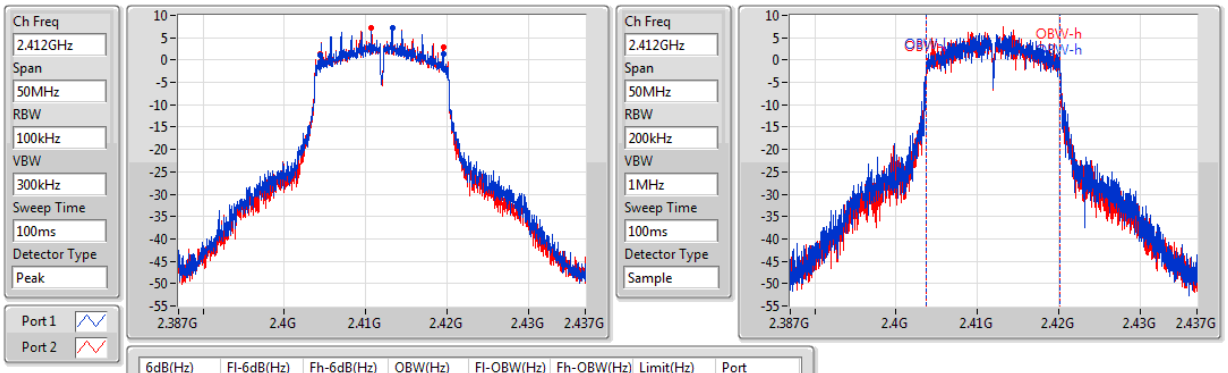
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.456975G	2.467G	14.65M	2.454625G	2.469275G	500k	1
10.05M	2.456975G	2.467025G	14.375M	2.454775G	2.46915G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

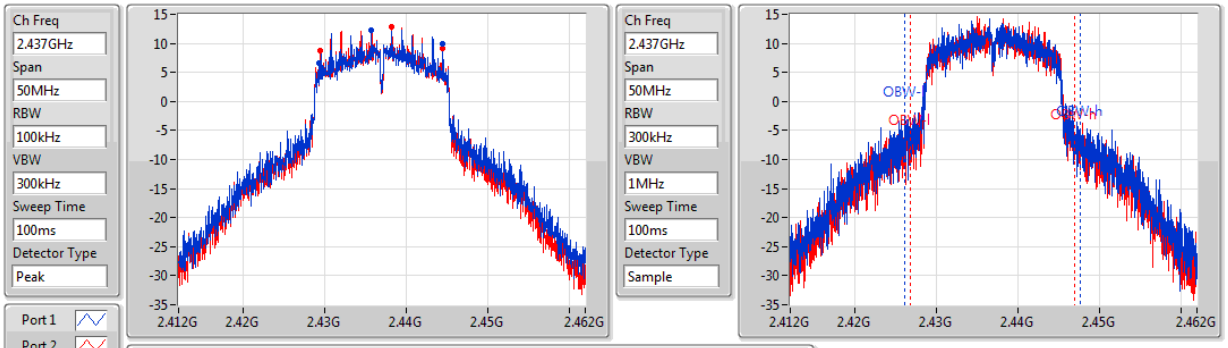
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.125M	2.404425G	2.41955G	16.467M	2.403704G	2.420171G	500k	1
15.1M	2.404425G	2.419525G	16.367M	2.403779G	2.420146G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

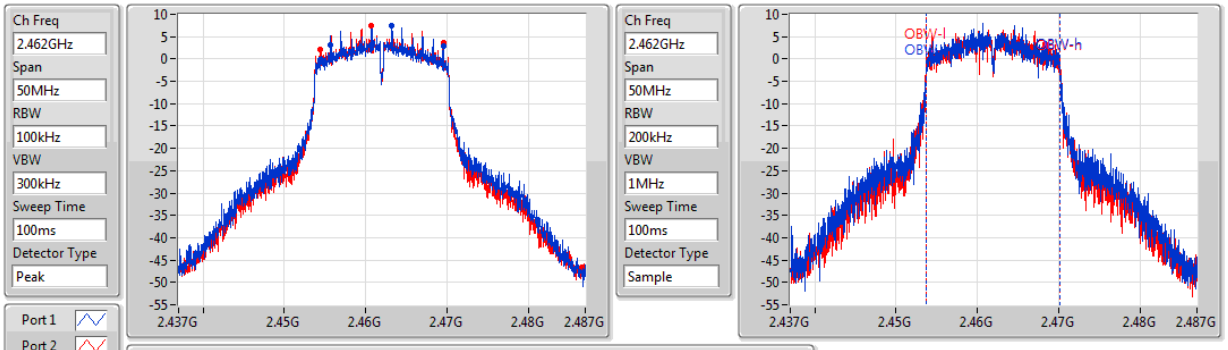
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.275M	2.429225G	2.4445G	21.589M	2.426055G	2.447645G	500k	1
15M	2.42945G	2.44445G	20.19M	2.42673G	2.44692G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

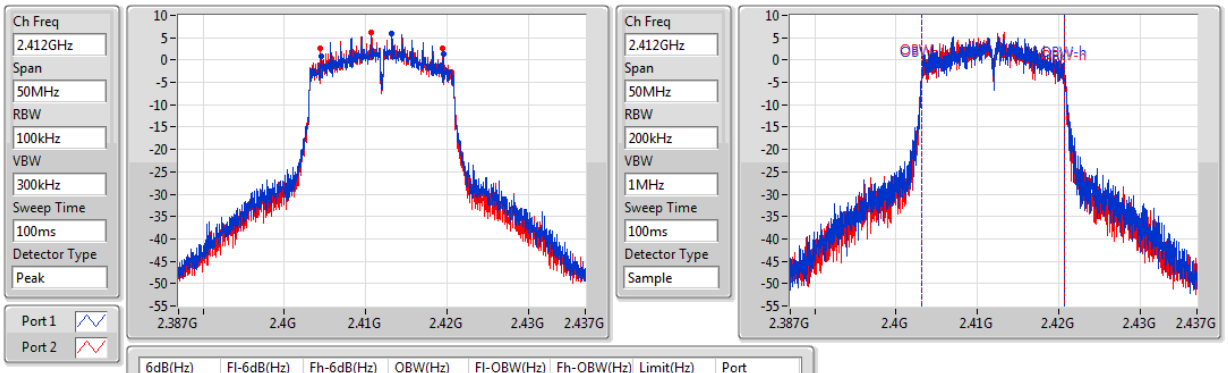
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.85M	2.455675G	2.469525G	16.367M	2.453779G	2.470146G	500k	1
15.075M	2.45445G	2.469525G	16.392M	2.453779G	2.470171G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

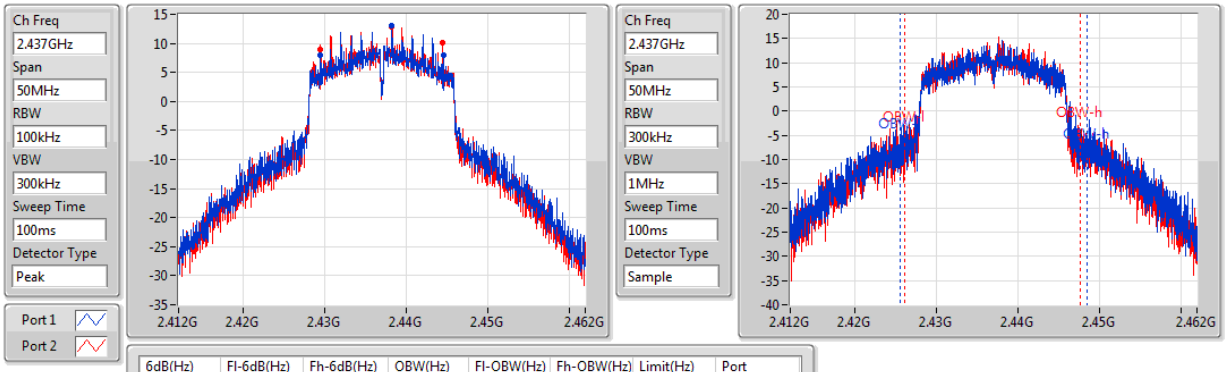
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.40455G	2.41955G	17.541M	2.403204G	2.420746G	500k	1
15.025M	2.404475G	2.4195G	17.516M	2.403204G	2.420721G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

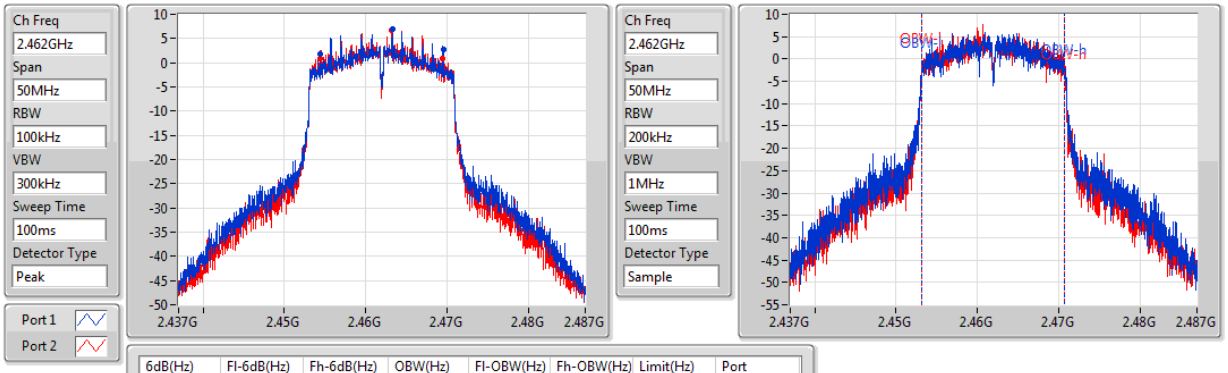
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.42945G	2.44455G	22.989M	2.425506G	2.448494G	500k	1
15.05M	2.42945G	2.4445G	21.564M	2.42608G	2.447645G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

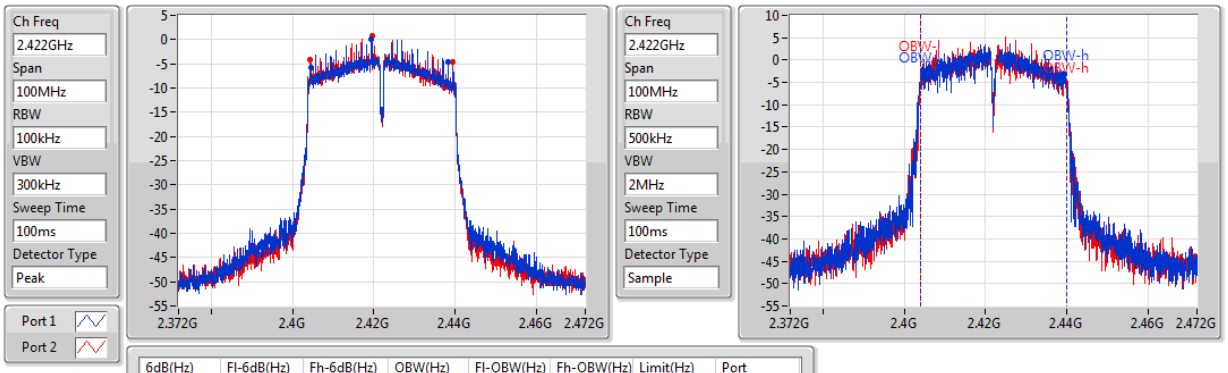
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.45445G	2.469525G	17.591M	2.453179G	2.470771G	500k	1
15M	2.454425G	2.469425G	17.516M	2.453204G	2.470721G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

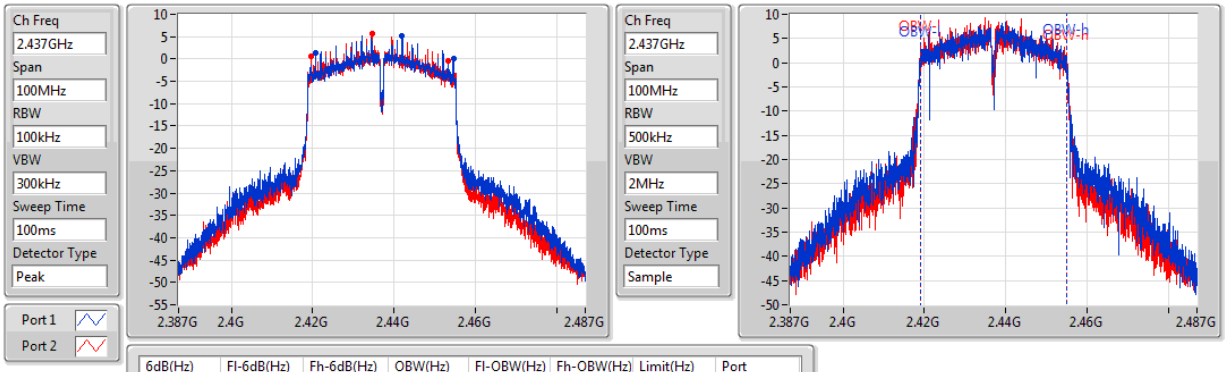
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.65M	2.4046G	2.43825G	35.882M	2.404009G	2.439891G	500k	1
35.05M	2.40445G	2.4395G	35.882M	2.404009G	2.439891G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

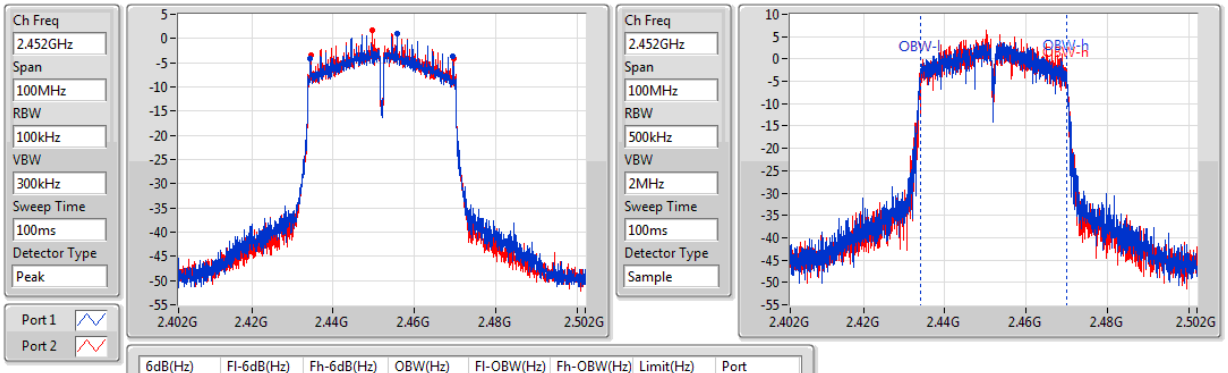
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	2.4207G	2.45455G	35.982M	2.418959G	2.454941G	500k	1
33.8M	2.4195G	2.4533G	36.032M	2.418909G	2.454941G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.43445G	2.4695G	35.832M	2.434009G	2.469841G	500k	1
35.05M	2.4345G	2.46955G	35.832M	2.434059G	2.469891G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	22.47	0.17660
802.11g_Nss1,(6Mbps)_2TX	26.76	0.47424
802.11n HT20_Nss1,(MCS0)_2TX	26.55	0.45186
802.11n HT40_Nss1,(MCS0)_2TX	21.42	0.13868

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.13	19.47	19.23	22.36	30.00
2437MHz	Pass	3.13	19.54	19.38	22.47	30.00
2462MHz	Pass	3.13	19.48	19.34	22.42	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.13	17.55	17.33	20.45	30.00
2417MHz	Pass	3.13	21.21	21.33	24.28	30.00
2422MHz	Pass	3.13	21.22	21.32	24.28	30.00
2427MHz	Pass	3.13	23.65	23.85	26.76	30.00
2437MHz	Pass	3.13	23.05	23.06	26.07	30.00
2447MHz	Pass	3.13	23.51	23.6	26.57	30.00
2452MHz	Pass	3.13	22.87	22.89	25.89	30.00
2457MHz	Pass	3.13	21.25	21.32	24.30	30.00
2462MHz	Pass	3.13	18.04	17.95	21.01	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.13	16.44	16.45	19.46	30.00
2417MHz	Pass	3.13	20.7	21.09	23.91	30.00
2422MHz	Pass	3.13	21.22	21.45	24.35	30.00
2427MHz	Pass	3.13	22.39	22.59	25.50	30.00
2432MHz	Pass	3.13	23.36	23.71	26.55	30.00
2437MHz	Pass	3.13	22.85	22.97	25.92	30.00
2447MHz	Pass	3.13	23.34	23.64	26.50	30.00
2452MHz	Pass	3.13	22.33	22.62	25.49	30.00
2457MHz	Pass	3.13	21.11	21.38	24.26	30.00
2462MHz	Pass	3.13	17.23	17.54	20.40	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.13	13.33	13.05	16.20	30.00
2427MHz	Pass	3.13	15.91	15.95	18.94	30.00
2432MHz	Pass	3.13	16.81	16.9	19.87	30.00
2437MHz	Pass	3.13	18.09	17.92	21.02	30.00
2442MHz	Pass	3.13	18.37	18.45	21.42	30.00
2447MHz	Pass	3.13	16.87	16.91	19.90	30.00
2452MHz	Pass	3.13	14.21	14.14	17.19	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.57
802.11g_Nss1,(6Mbps)_2TX	-2.12
802.11n HT20_Nss1,(MCS0)_2TX	-2.19
802.11n HT40_Nss1,(MCS0)_2TX	-9.49

RBW=3kHz.

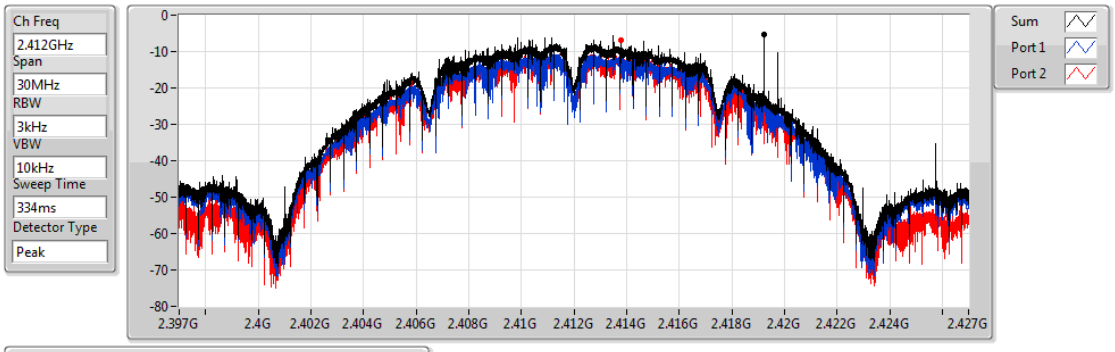
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.10	-5.27	-6.98	-5.27	7.90
2437MHz	Pass	6.10	3.57	-6.87	3.57	7.90
2462MHz	Pass	6.10	-6.92	-6.32	-5.60	7.90
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.10	-9.24	-9.10	-7.78	7.90
2437MHz	Pass	6.10	-4.18	-4.39	-2.12	7.90
2462MHz	Pass	6.10	-7.56	-10.13	-7.00	7.90
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.10	-10.98	-10.71	-8.49	7.90
2437MHz	Pass	6.10	-3.79	-3.65	-2.19	7.90
2462MHz	Pass	6.10	-9.74	-10.05	-7.59	7.90
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.10	-15.66	-15.40	-13.54	7.90
2437MHz	Pass	6.10	-11.58	-11.90	-9.49	7.90
2452MHz	Pass	6.10	-14.48	-14.94	-13.27	7.90

DG = Directional Gain; RBW=3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX PSD

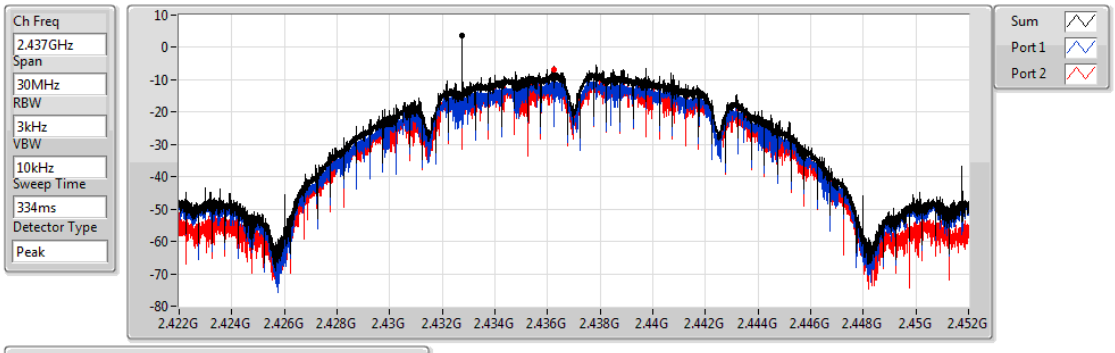
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.27	-5.27	-5.27	-6.98

802.11b_Nss1,(1Mbps)_2TX PSD

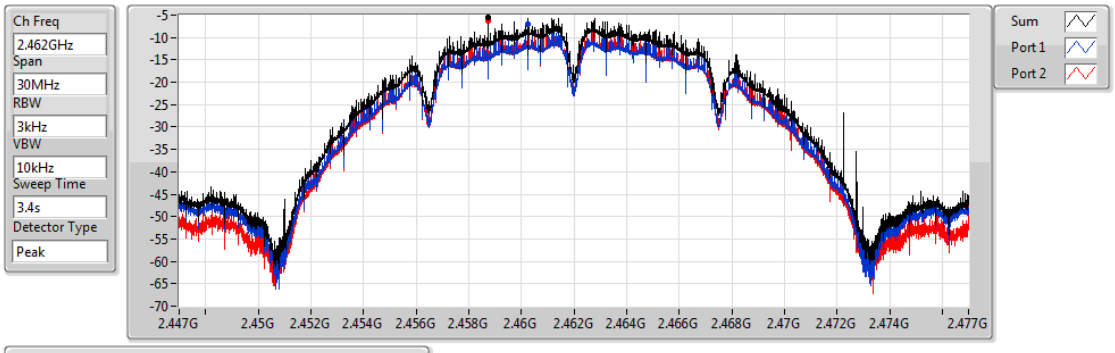
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.57	3.57	3.57	-6.87

802.11b_Nss1,(1Mbps)_2TX PSD

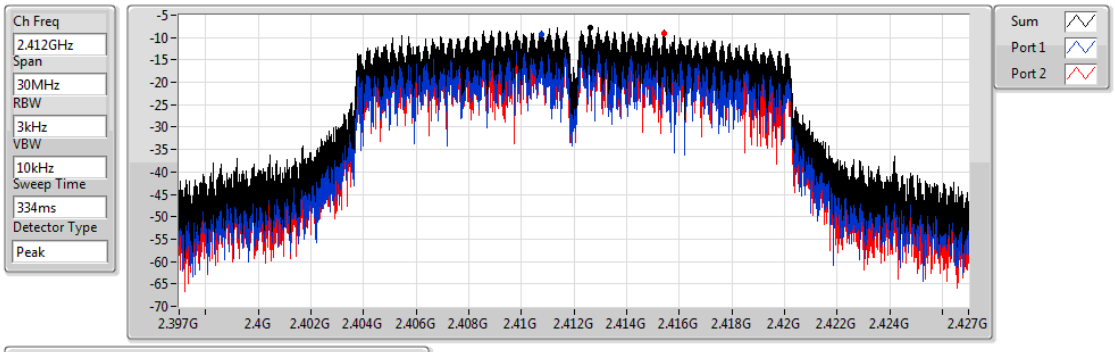
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.60	-5.60	-6.92	-6.32

802.11g_Nss1,(6Mbps)_2TX **PSD**

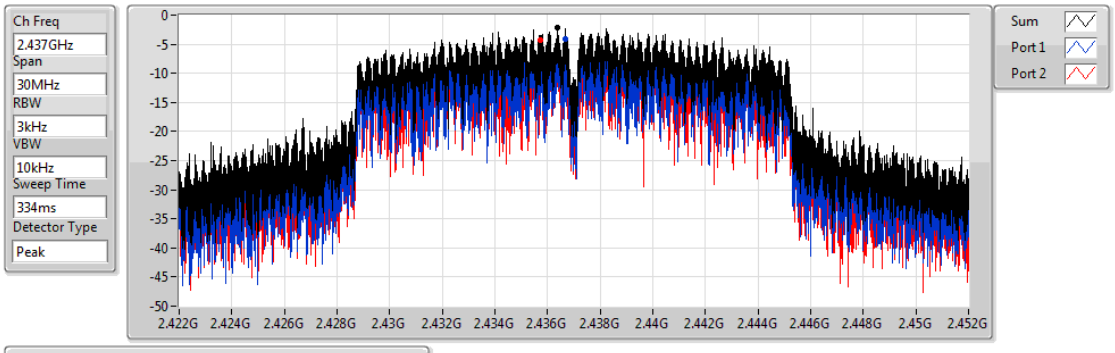
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.78	-7.78	-9.24	-9.10

802.11g_Nss1,(6Mbps)_2TX **PSD**

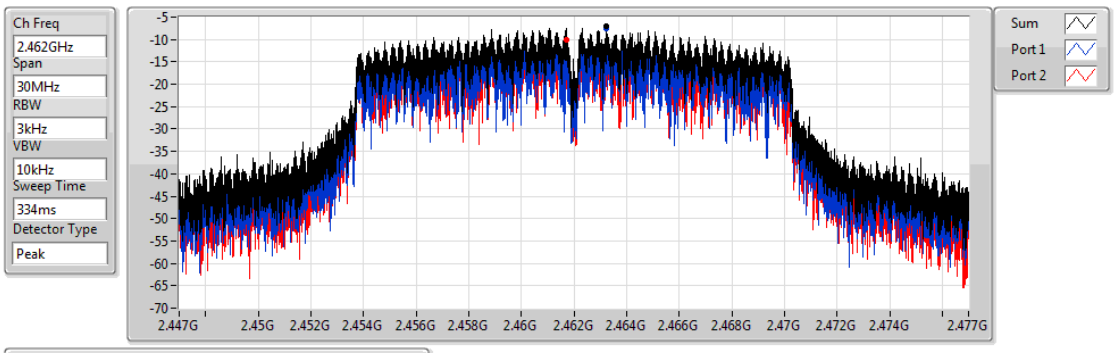
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.12	-2.12	-4.18	-4.39

802.11g_Nss1,(6Mbps)_2TX **PSD**

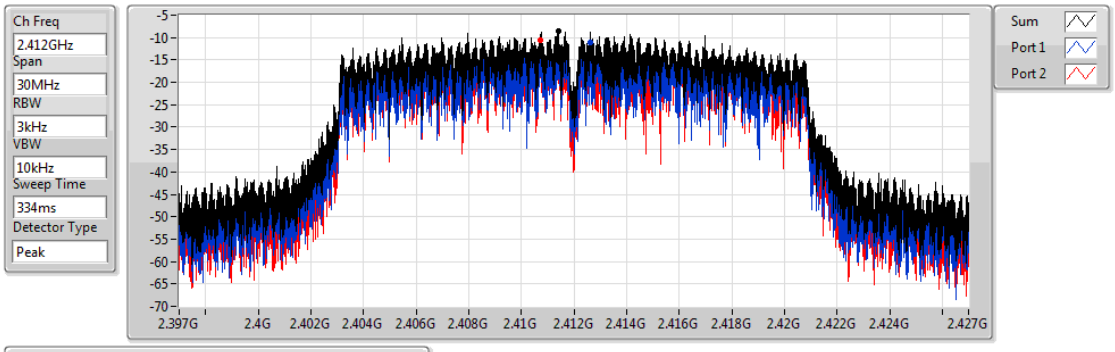
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.00	-7.00	-7.56	-10.13

802.11n HT20_Nss1,(MCS0)_2TX **PSD**

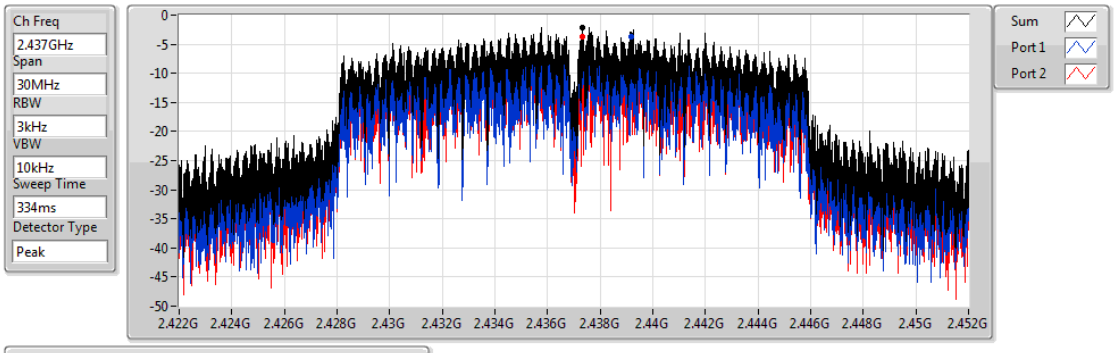
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.49	-8.49	-10.98	-10.71

802.11n HT20_Nss1,(MCS0)_2TX **PSD**

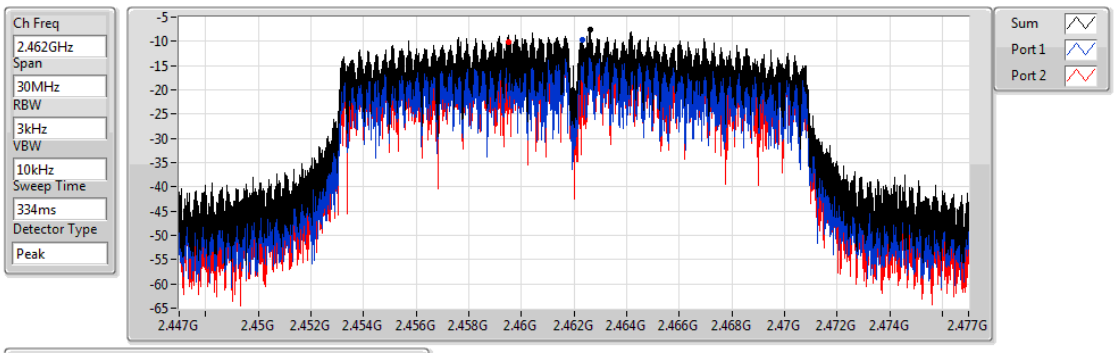
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.19	-2.19	-3.79	-3.65

802.11n HT20_Nss1,(MCS0)_2TX **PSD**

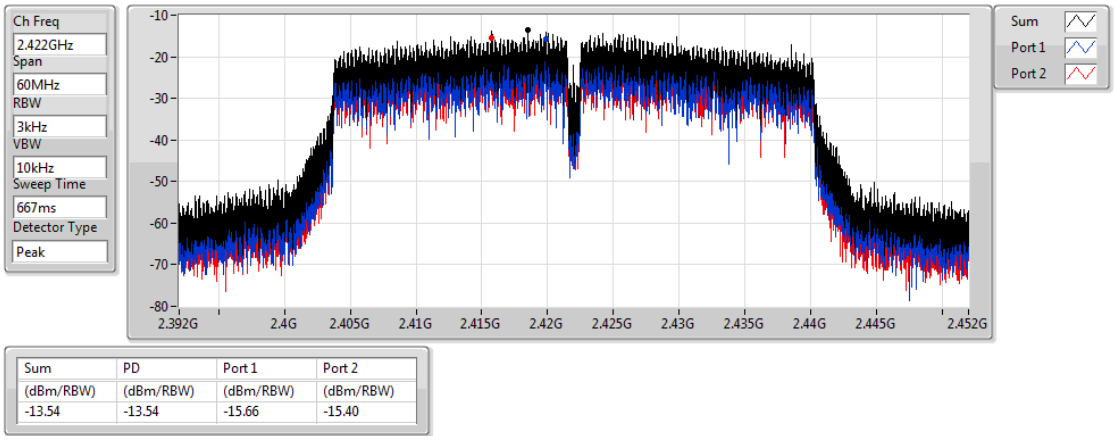
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.59	-7.59	-9.74	-10.05

802.11n HT40_Nss1,(MCS0)_2TX PSD

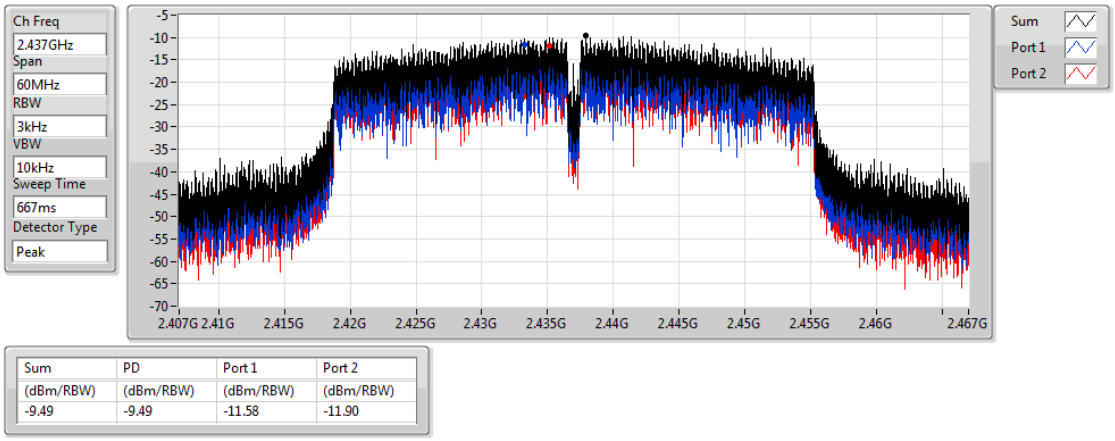
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.54	-13.54	-15.66	-15.40

802.11n HT40_Nss1,(MCS0)_2TX PSD

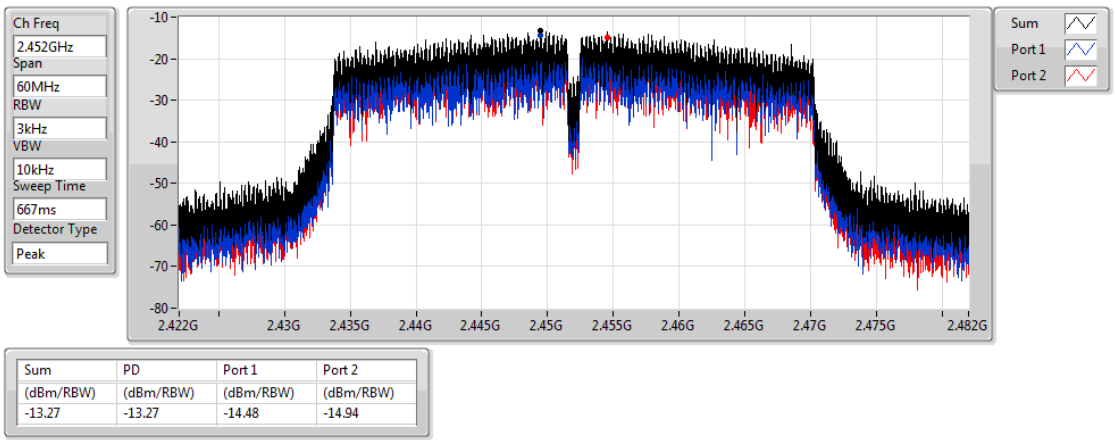
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.49	-9.49	-11.58	-11.90

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.27	-13.27	-14.48	-14.94

Summary

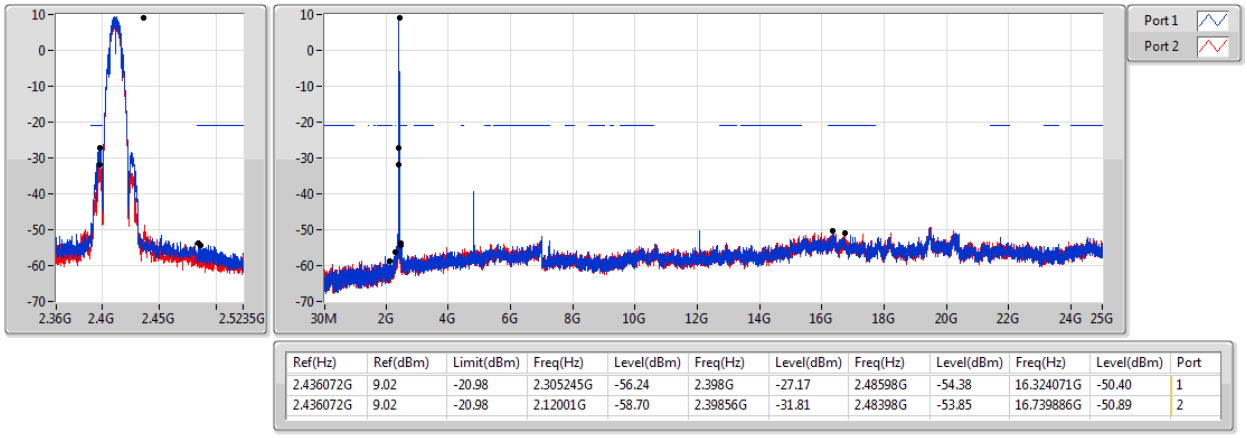
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.436072G	9.02	-20.98	2.305245G	-56.24	2.398G	-27.17	2.48598G	-54.38	16.324071G	-50.4	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.438243G	12.82	-17.18	2.305245G	-53.41	2.39984G	-23.17	2.48486G	-51.83	16.7146G	-50.74	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.438243G	12.7	-17.3	2.30641G	-53.07	2.39992G	-25.77	2.50054G	-52.41	16.58536G	-52.18	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.440748G	4.98	-25.02	2.30855G	-56.21	2.39952G	-32.32	2.48382G	-46.06	16.712518G	-51.05	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.436072G	9.02	-20.98	2.305245G	-56.24	2.398G	-27.17	2.48598G	-54.38	16.324071G	-50.4	1
2412MHz	Pass	2.436072G	9.02	-20.98	2.12001G	-58.7	2.39856G	-31.81	2.48398G	-53.85	16.739886G	-50.89	2
2437MHz	Pass	2.436072G	9.02	-20.98	2.30408G	-57.47	2.3996G	-51.96	2.48502G	-53.23	16.335309G	-51.71	1
2437MHz	Pass	2.436072G	9.02	-20.98	479.69M	-57.59	2.39728G	-50.14	2.49102G	-51.97	24.516755G	-50.94	2
2462MHz	Pass	2.436072G	9.02	-20.98	2.30175G	-58.27	2.39904G	-55.96	2.49886G	-53.52	16.708981G	-51.24	1
2462MHz	Pass	2.436072G	9.02	-20.98	2.30408G	-57.53	2.39968G	-53.74	2.48838G	-51.68	16.385881G	-51.56	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	12.82	-17.18	2.305245G	-53.41	2.39984G	-23.17	2.48486G	-51.83	16.7146G	-50.74	1
2412MHz	Pass	2.438243G	12.82	-17.18	2.30874G	-54.74	2.39992G	-23.25	2.48454G	-52.17	17.032081G	-51.33	2
2437MHz	Pass	2.438243G	12.82	-17.18	2.309905G	-55.52	2.39824G	-39.93	2.4859G	-48.57	16.723029G	-51.05	1
2437MHz	Pass	2.438243G	12.82	-17.18	2.30641G	-56.61	2.39888G	-43.22	2.48574G	-46.89	6.990704G	-50.4	2
2462MHz	Pass	2.438243G	12.82	-17.18	2.305245G	-56.75	2.39576G	-49.79	2.48358G	-41.4	16.304404G	-50.8	1
2462MHz	Pass	2.438243G	12.82	-17.18	479.69M	-56.81	2.39856G	-48.78	2.48358G	-42.66	16.723029G	-50.85	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	12.7	-17.3	2.30641G	-53.07	2.39992G	-25.77	2.50054G	-52.41	16.58536G	-52.18	1
2412MHz	Pass	2.438243G	12.7	-17.3	2.307575G	-54.02	2.39992G	-28.27	2.48694G	-51.91	16.680885G	-50.61	2
2437MHz	Pass	2.438243G	12.7	-17.3	2.30874G	-55.49	2.3992G	-37.45	2.49078G	-44.41	6.962609G	-51.35	1
2437MHz	Pass	2.438243G	12.7	-17.3	479.69M	-53.76	2.3964G	-37.8	2.48574G	-44.58	16.442073G	-51.17	2
2462MHz	Pass	2.438243G	12.7	-17.3	2.30874G	-57.64	2.39568G	-50.44	2.48446G	-39.19	16.706172G	-51.08	1
2462MHz	Pass	2.438243G	12.7	-17.3	479.69M	-57.7	2.39576G	-48.43	2.4839G	-41.23	2.543167G	-50.85	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.440748G	4.98	-25.02	2.309695G	-55.97	2.3992G	-37.93	2.4907G	-52.14	16.401211G	-50.42	1
2422MHz	Pass	2.440748G	4.98	-25.02	479.985M	-55.01	2.39456G	-37.38	2.49758G	-53.54	16.687277G	-50.53	2
2437MHz	Pass	2.440748G	4.98	-25.02	2.30855G	-56.21	2.39952G	-32.32	2.48382G	-46.06	16.712518G	-51.05	1
2437MHz	Pass	2.440748G	4.98	-25.02	2.305115G	-54.47	2.39968G	-34.19	2.48382G	-46.84	16.303052G	-50.89	2
2452MHz	Pass	2.440748G	4.98	-25.02	2.30855G	-57.26	2.39856G	-51.19	2.48446G	-41.13	16.63399G	-50.63	1
2452MHz	Pass	2.440748G	4.98	-25.02	479.985M	-53.37	2.39072G	-49.24	2.48686G	-42.64	16.311465G	-51.02	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

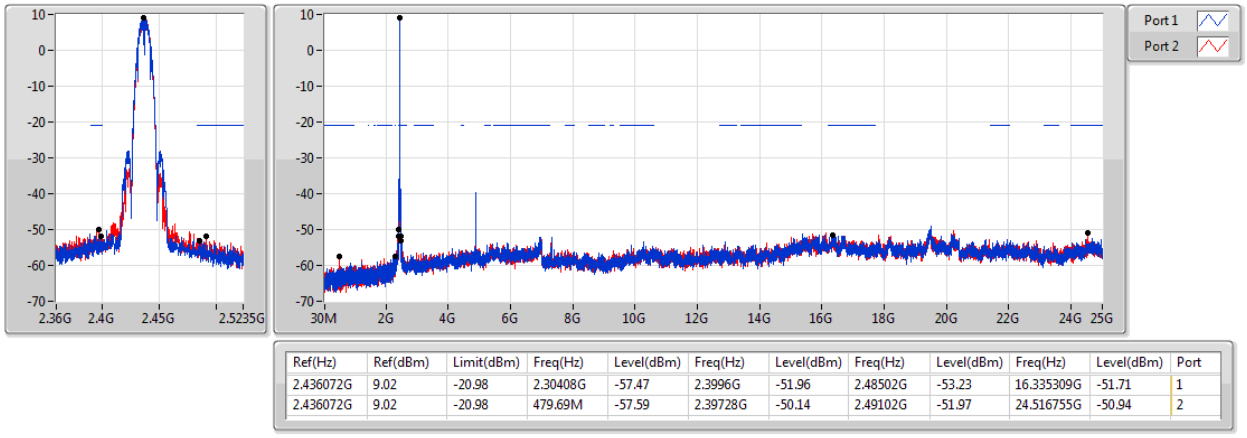
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	9.02	-20.98	2.305245G	-56.24	2.398G	-27.17	2.48598G	-54.38	16.324071G	-50.40	1
2.436072G	9.02	-20.98	2.12001G	-58.70	2.39856G	-31.81	2.48398G	-53.85	16.739886G	-50.89	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

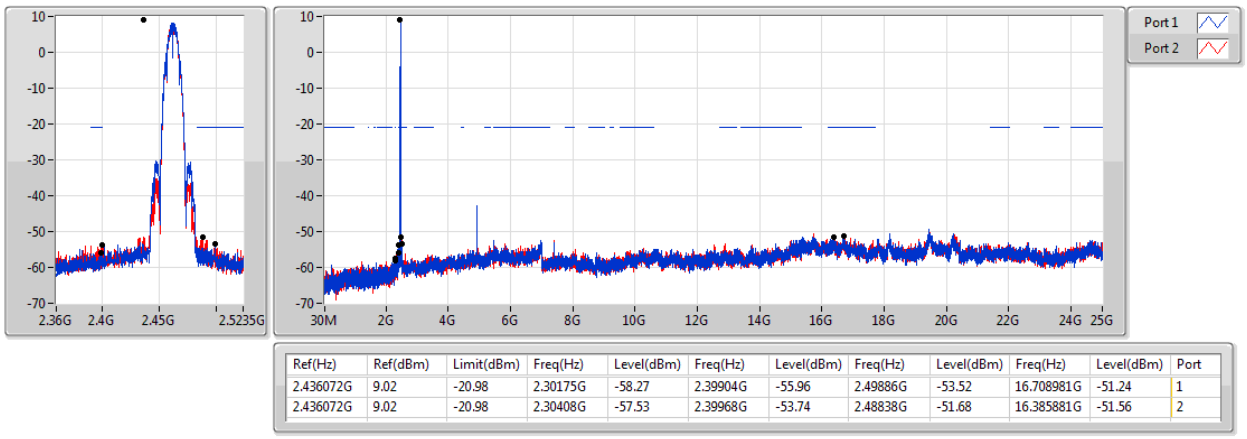
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	9.02	-20.98	2.30408G	-57.47	2.3996G	-51.96	2.48502G	-53.23	16.335309G	-51.71	1
2.436072G	9.02	-20.98	479.69M	-57.59	2.39728G	-50.14	2.49102G	-51.97	24.516755G	-50.94	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

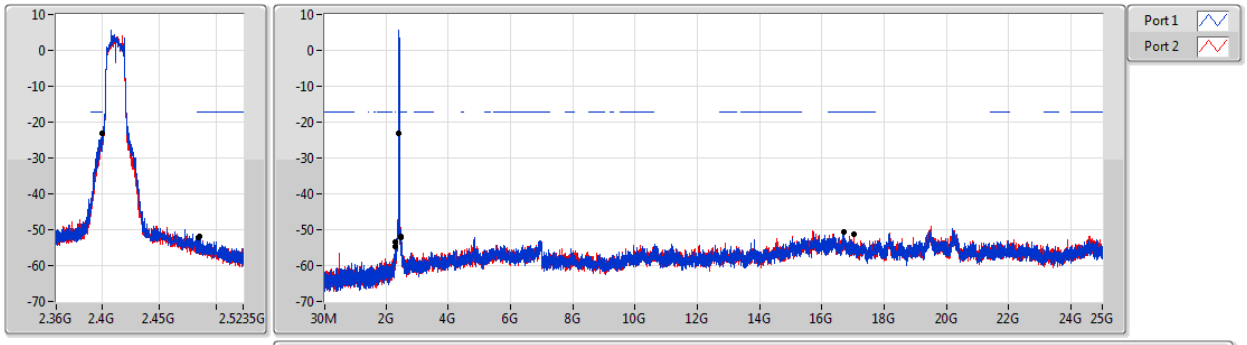
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	9.02	-20.98	2.30175G	-58.27	2.39904G	-55.96	2.49886G	-53.52	16.708981G	-51.24	1
2.436072G	9.02	-20.98	2.30408G	-57.53	2.39968G	-53.74	2.48838G	-51.68	16.385881G	-51.56	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

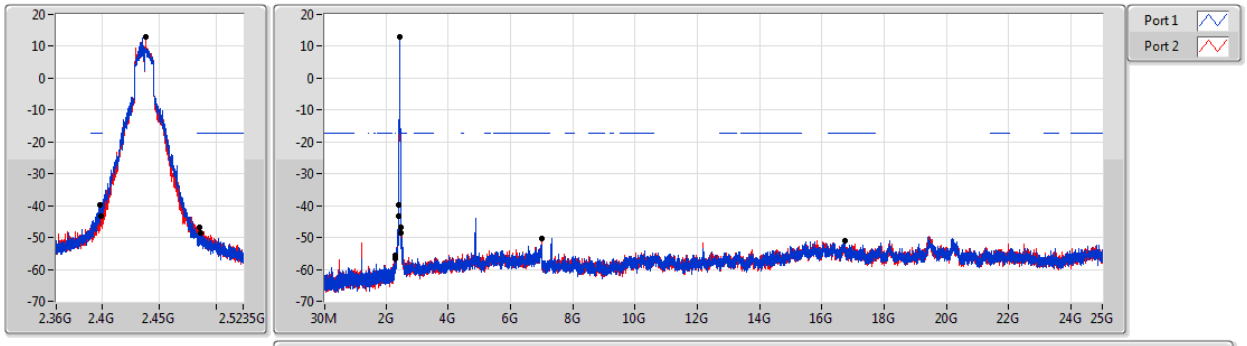
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	12.82	-17.18	2.305245G	-53.41	2.39984G	-23.17	2.48486G	-51.83	16.7146G	-50.74	1
2.438243G	12.82	-17.18	2.30874G	-54.74	2.39992G	-23.25	2.48454G	-52.17	17.032081G	-51.33	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

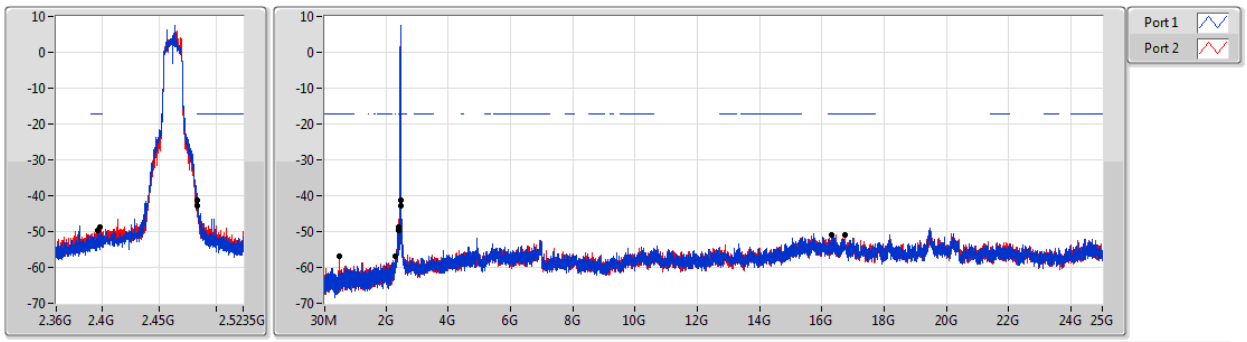
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	12.82	-17.18	2.309905G	-55.52	2.39824G	-39.93	2.4859G	-48.57	16.723029G	-51.05	1
2.438243G	12.82	-17.18	2.30641G	-56.61	2.39888G	-43.22	2.48574G	-46.89	6.990704G	-50.40	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

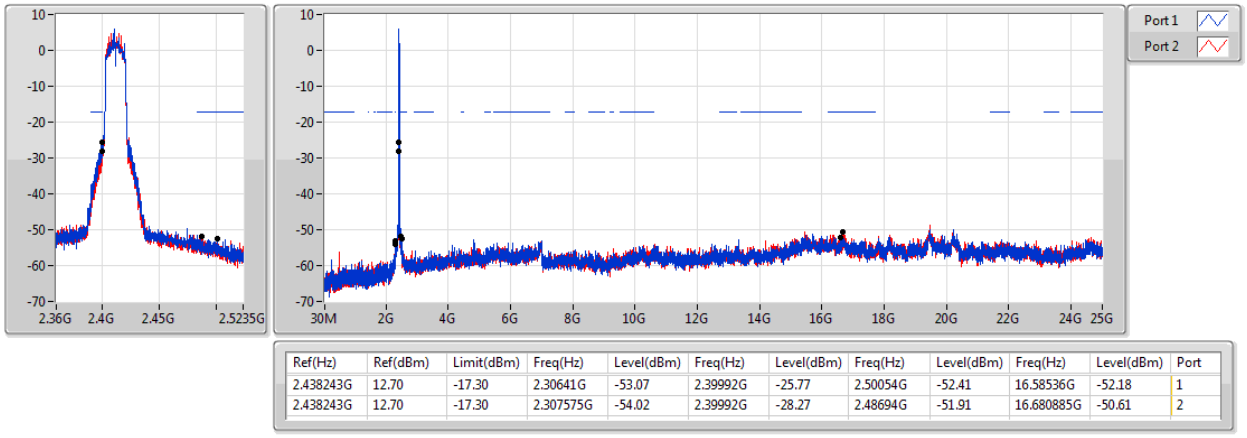
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	12.82	-17.18	2.305245G	-56.75	2.39576G	-49.79	2.48358G	-41.40	16.304404G	-50.80	1
2.438243G	12.82	-17.18	479.69M	-56.81	2.39856G	-48.78	2.48358G	-42.66	16.723029G	-50.85	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

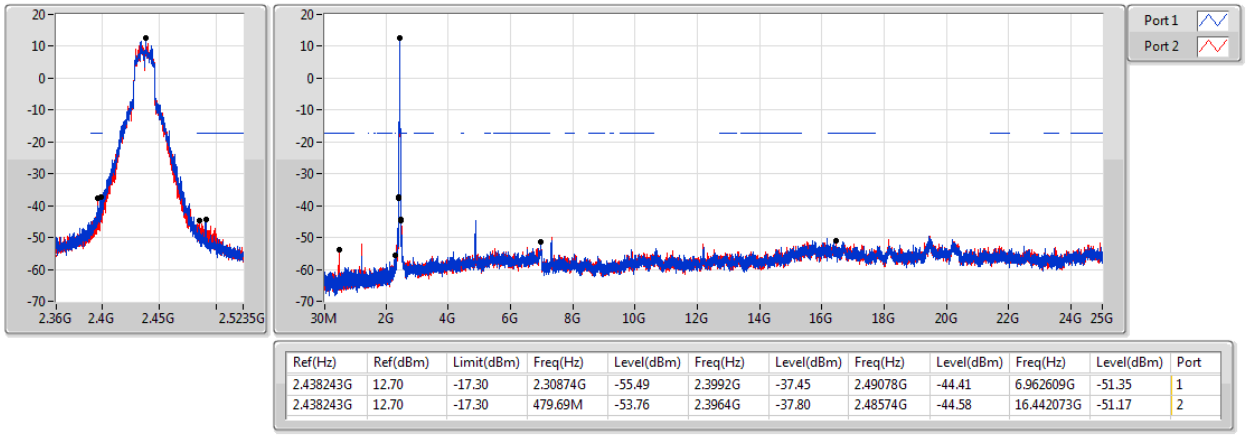
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	12.70	-17.30	2.30641G	-53.07	2.39992G	-25.77	2.50054G	-52.41	16.58536G	-52.18	1
2.438243G	12.70	-17.30	2.307575G	-54.02	2.39992G	-28.27	2.48694G	-51.91	16.680885G	-50.61	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

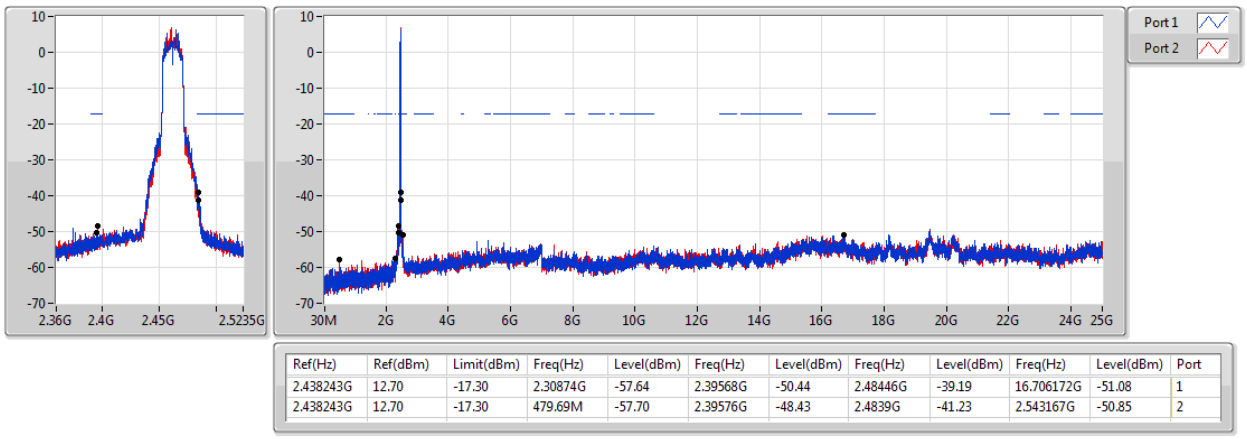
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	12.70	-17.30	2.30874G	-55.49	2.3992G	-37.45	2.49078G	-44.41	6.962609G	-51.35	1
2.438243G	12.70	-17.30	479.69M	-53.76	2.3964G	-37.80	2.48574G	-44.58	16.442073G	-51.17	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

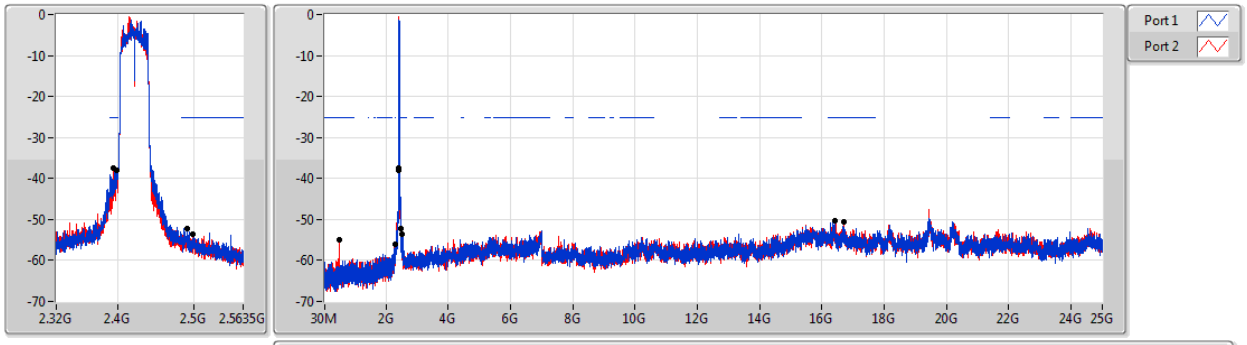
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	12.70	-17.30	2.30874G	-57.64	2.39568G	-50.44	2.48446G	-39.19	16.706172G	-51.08	1
2.438243G	12.70	-17.30	479.69M	-57.70	2.39576G	-48.43	2.4839G	-41.23	2.543167G	-50.85	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

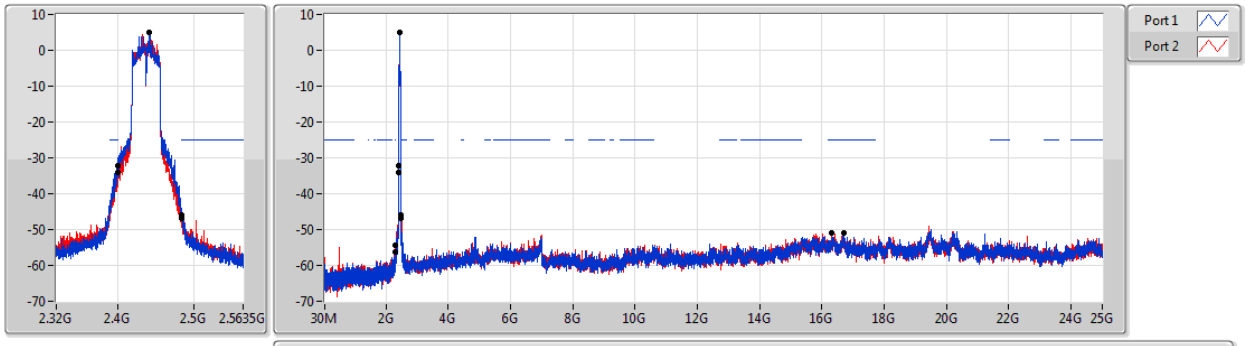
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	4.98	-25.02	2.309695G	-55.97	2.3992G	-37.93	2.4907G	-52.14	16.401211G	-50.42	1
2.440748G	4.98	-25.02	479.985M	-55.01	2.39456G	-37.38	2.49758G	-53.54	16.687277G	-50.53	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

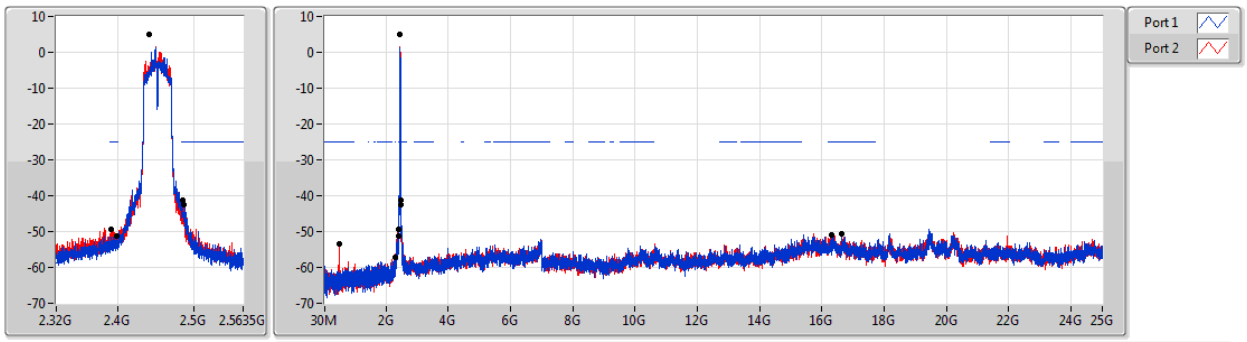
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	4.98	-25.02	2.30855G	-56.21	2.39952G	-32.32	2.48382G	-46.06	16.712518G	-51.05	1
2.440748G	4.98	-25.02	2.305115G	-54.47	2.39968G	-34.19	2.48382G	-46.84	16.303052G	-50.89	2

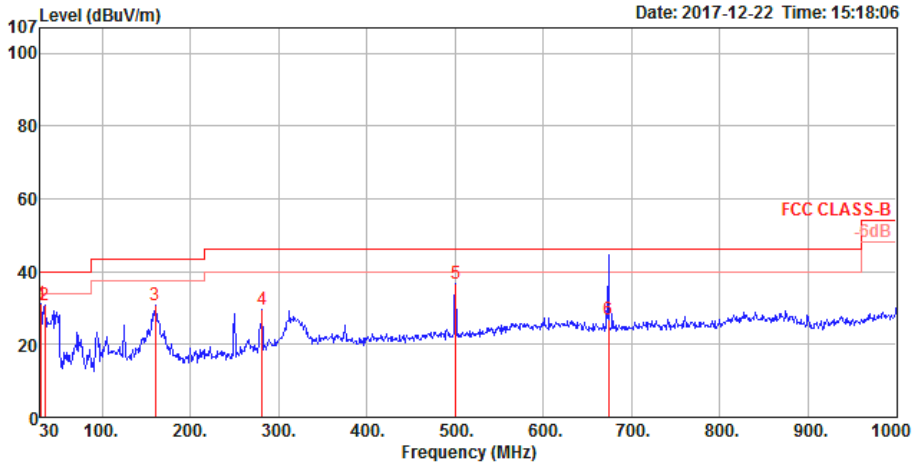
802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	4.98	-25.02	2.30855G	-57.26	2.39856G	-51.19	2.48446G	-41.13	16.63399G	-50.63	1
2.440748G	4.98	-25.02	479.985M	-53.37	2.39072G	-49.24	2.48686G	-42.64	16.311465G	-51.02	2

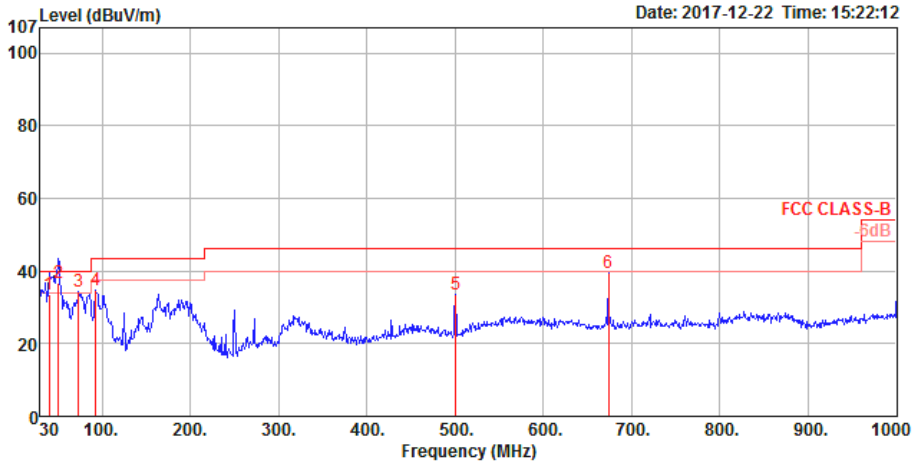
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	31.18	40.00	-8.82	38.02	0.66	23.82	31.32	100	228	Peak	HORIZONTAL
2	34.85	30.93	40.00	-9.07	40.23	0.66	21.43	31.39	150	240	Peak	HORIZONTAL
3	159.98	30.68	43.50	-12.82	44.91	1.54	16.01	31.78	150	159	Peak	HORIZONTAL
4	281.23	29.63	46.00	-16.37	40.70	2.06	18.76	31.89	100	276	Peak	HORIZONTAL
5	500.45	36.79	46.00	-9.21	42.90	2.77	23.31	32.19	100	252	Peak	HORIZONTAL
6	674.08	26.80	46.00	-19.20	30.70	3.22	25.29	32.41	200	224	QP	HORIZONTAL

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.)

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	39.70	33.53	40.00	-6.47	45.60	0.71	18.69	31.47	100	308	QP	VERTICAL
2	50.37	36.80	40.00	-3.20	53.80	0.89	13.72	31.61	112	249	QP	VERTICAL
3	73.65	34.51	40.00	-5.49	52.93	1.05	12.21	31.68	150	119	Peak	VERTICAL
4	93.05	34.92	43.50	-8.58	49.90	1.19	15.55	31.72	150	214	Peak	VERTICAL
5	500.45	33.65	46.00	-12.35	39.76	2.77	23.31	32.19	100	26	Peak	VERTICAL
6	674.08	39.61	46.00	-6.39	43.51	3.22	25.29	32.41	300	176	Peak	VERTICAL

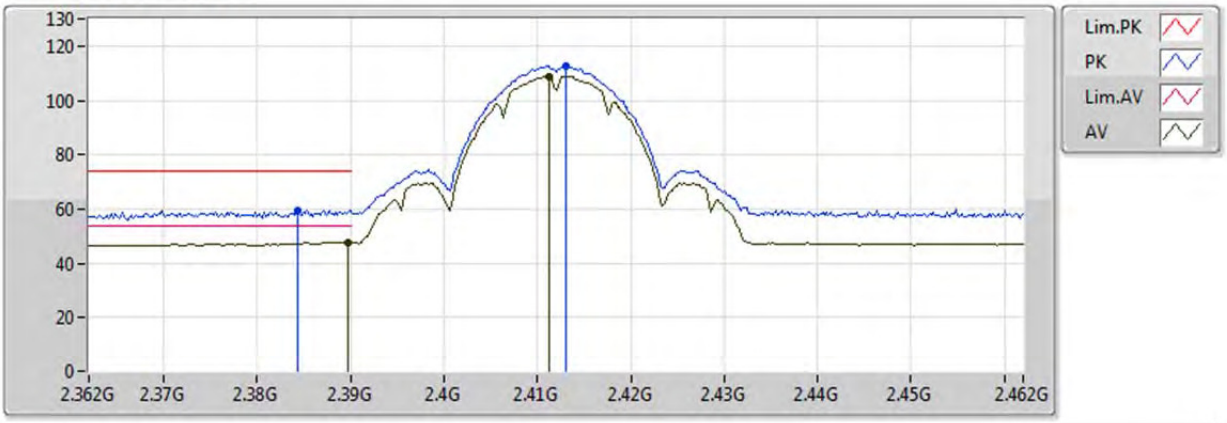
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

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)_2TX	Pass	AV	4.87402G	53.94	54.00	-0.06	8.24	3	Horizontal	189	2.31	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

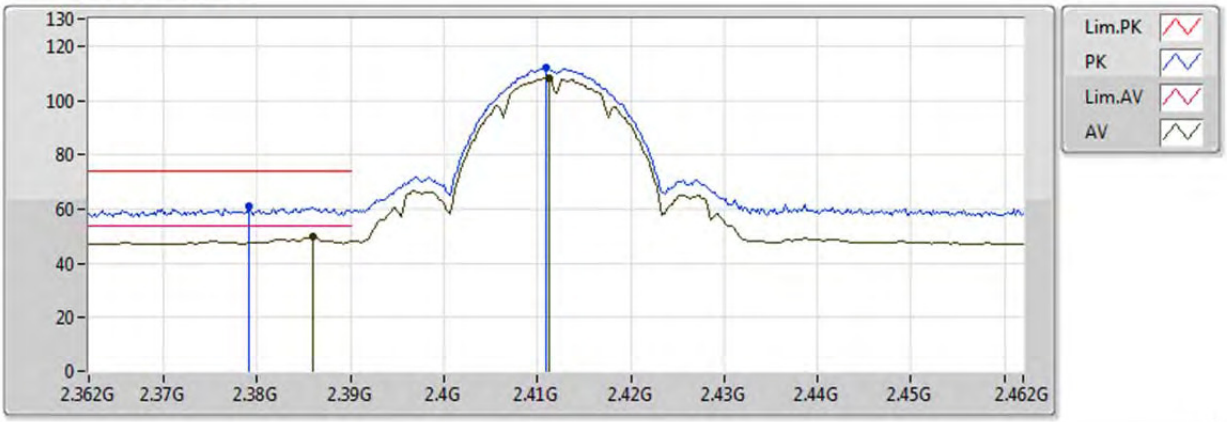


20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3898G	47.64	54.00	-6.36	31.94	3	Vertical	253	2.64
AV	2.4112G	108.90	Inf	-Inf	32.00	3	Vertical	253	2.64
PK	2.3844G	59.57	74.00	-14.43	31.92	3	Vertical	253	2.64
PK	2.413G	112.68	Inf	-Inf	32.01	3	Vertical	253	2.64

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

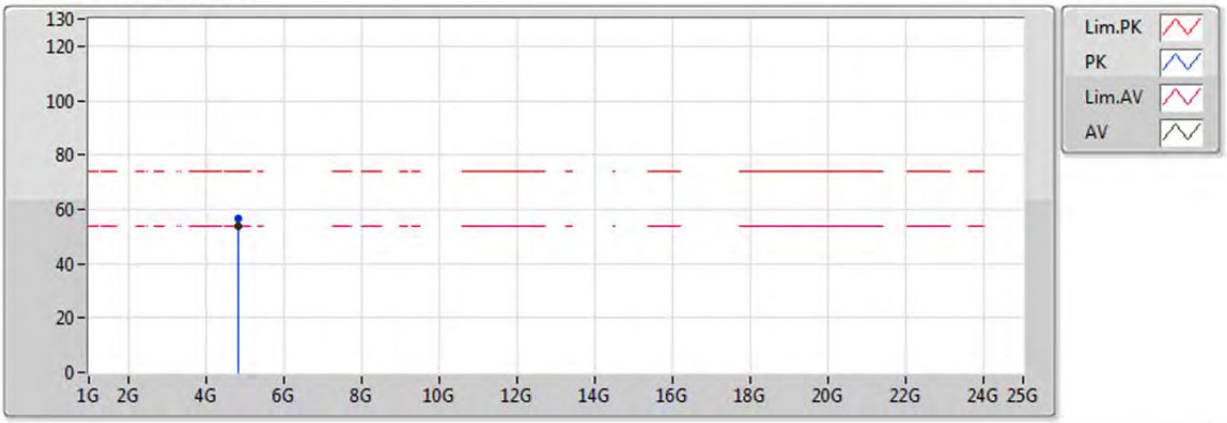


20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.386G	49.67	54.00	-4.33	31.93	3	Horizontal	283	1.81
AV	2.4112G	108.10	Inf	-Inf	32.00	3	Horizontal	283	1.81
PK	2.3792G	60.94	74.00	-13.06	31.91	3	Horizontal	283	1.81
PK	2.411G	111.84	Inf	-Inf	32.00	3	Horizontal	283	1.81

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

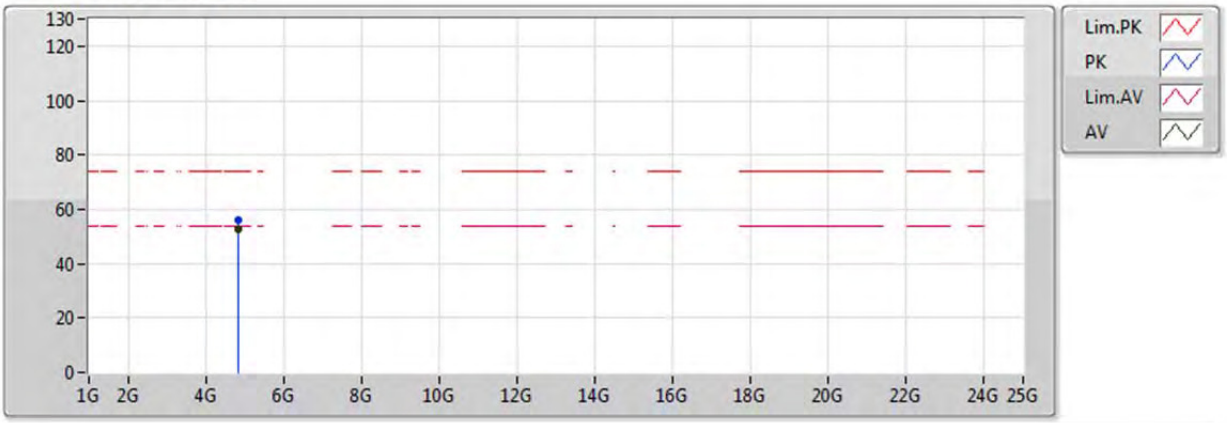


20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.82398G	53.67	54.00	-0.33	8.08	3	Vertical	217	1.89
PK	4.82404G	56.54	74.00	-17.46	8.08	3	Vertical	217	1.89

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

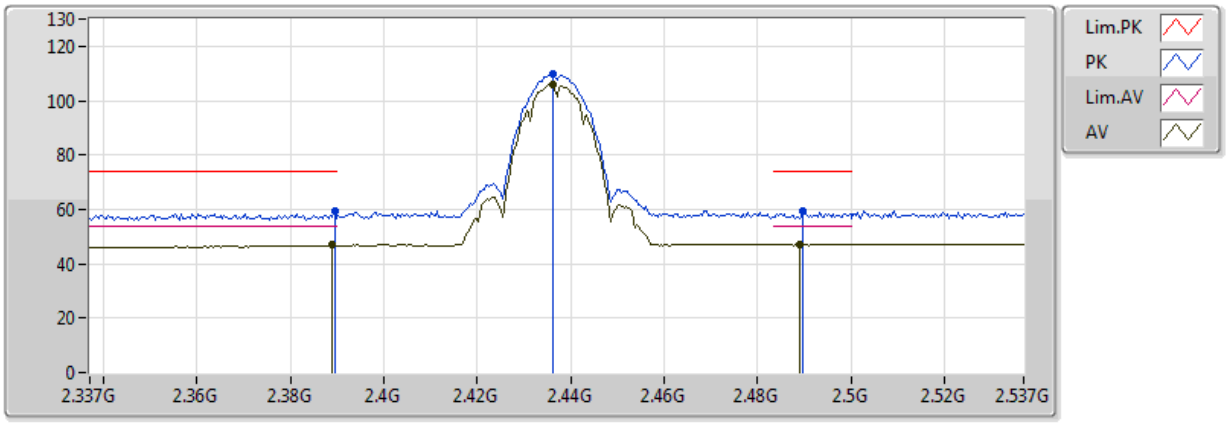


20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.82398G	52.93	54.00	-1.07	8.08	3	Horizontal	192	1.50
PK	4.82394G	55.89	74.00	-18.11	8.08	3	Horizontal	192	1.50

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

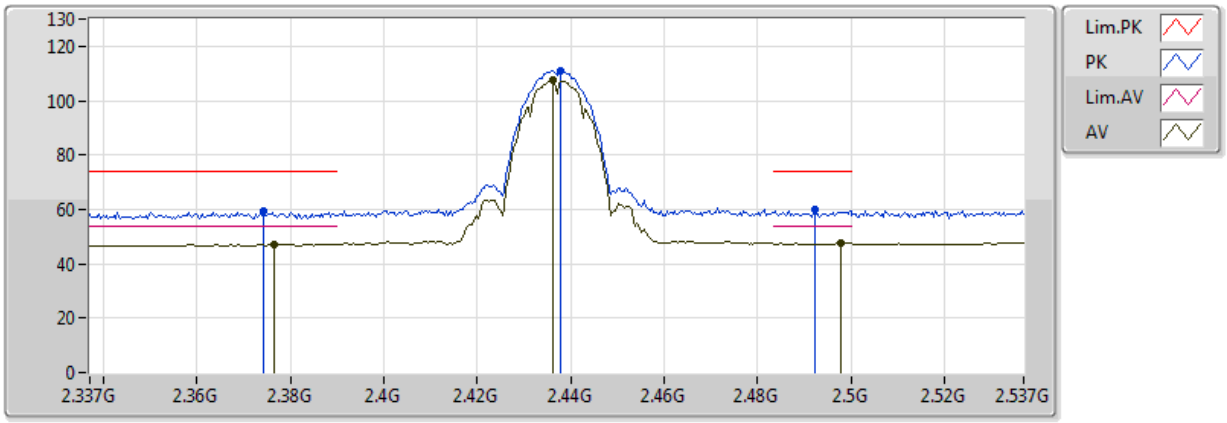


20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.389G	46.84	54.00	-7.16	31.94	3	Vertical	82	1.75
AV	2.4362G	105.94	Inf	-Inf	32.08	3	Vertical	82	1.75
AV	2.489G	47.02	54.00	-6.98	32.24	3	Vertical	82	1.75
PK	2.3894G	59.20	74.00	-14.80	31.94	3	Vertical	82	1.75
PK	2.4362G	109.66	Inf	-Inf	32.08	3	Vertical	82	1.75
PK	2.4898G	59.15	74.00	-14.85	32.24	3	Vertical	82	1.75

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX



20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3766G	47.34	54.00	-6.66	31.90	3	Horizontal	257	1.75
AV	2.4362G	107.36	Inf	-Inf	32.08	3	Horizontal	257	1.75
AV	2.4978G	47.80	54.00	-6.20	32.26	3	Horizontal	257	1.75
PK	2.3742G	59.12	74.00	-14.88	31.89	3	Horizontal	257	1.75
PK	2.4378G	111.06	Inf	-Inf	32.08	3	Horizontal	257	1.75
PK	2.4922G	60.02	74.00	-13.98	32.25	3	Horizontal	257	1.75

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.874G	52.13	54.00	-1.87	8.24	3	Vertical	214	1.48
PK	4.87398G	54.97	74.00	-19.03	8.24	3	Vertical	214	1.48

802.11b_Nss1,(1Mbps)_2TX

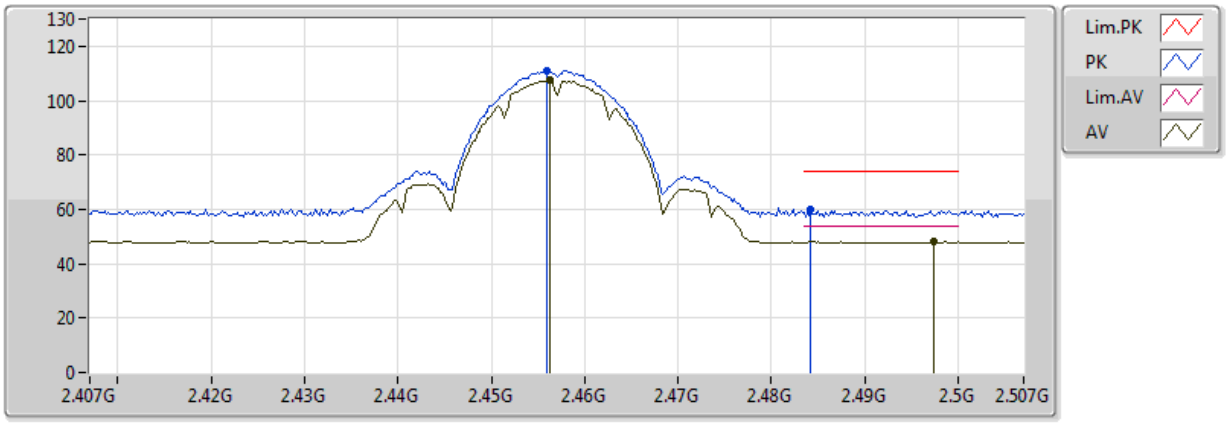
2437MHz_TX

20170913
EUT Y_2TX
Setting 27
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.87402G	53.94	54.00	-0.06	8.24	3	Horizontal	189	2.31
PK	4.87402G	56.37	74.00	-17.63	8.24	3	Horizontal	189	2.31

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

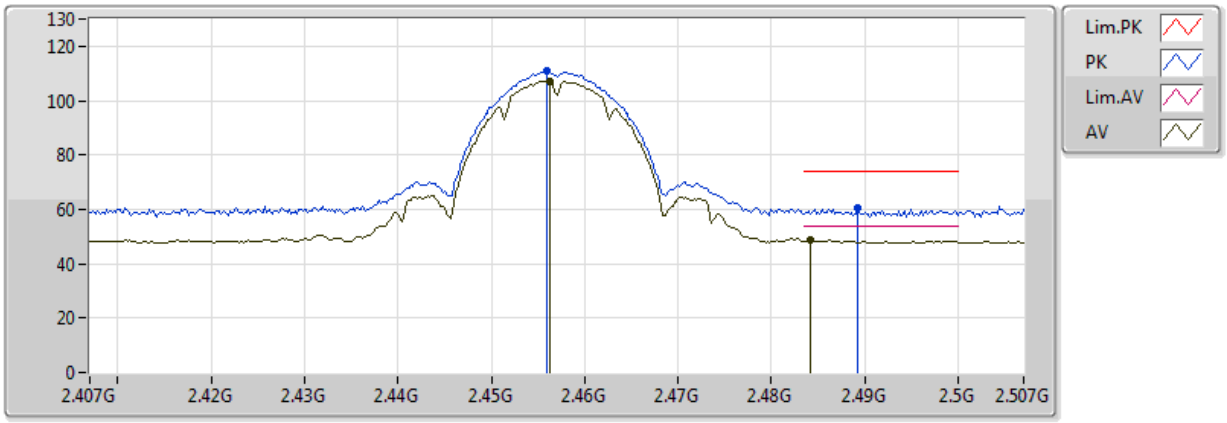


20171204
EUT Y_2TX
Setting 27
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4562G	107.47	Inf	-Inf	32.36	3	Vertical	230	2.20
AV	2.4974G	48.06	54.00	-5.94	32.49	3	Vertical	230	2.20
PK	2.456G	110.97	Inf	-Inf	32.35	3	Vertical	230	2.20
PK	2.4842G	59.70	74.00	-14.30	32.45	3	Vertical	230	2.20

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

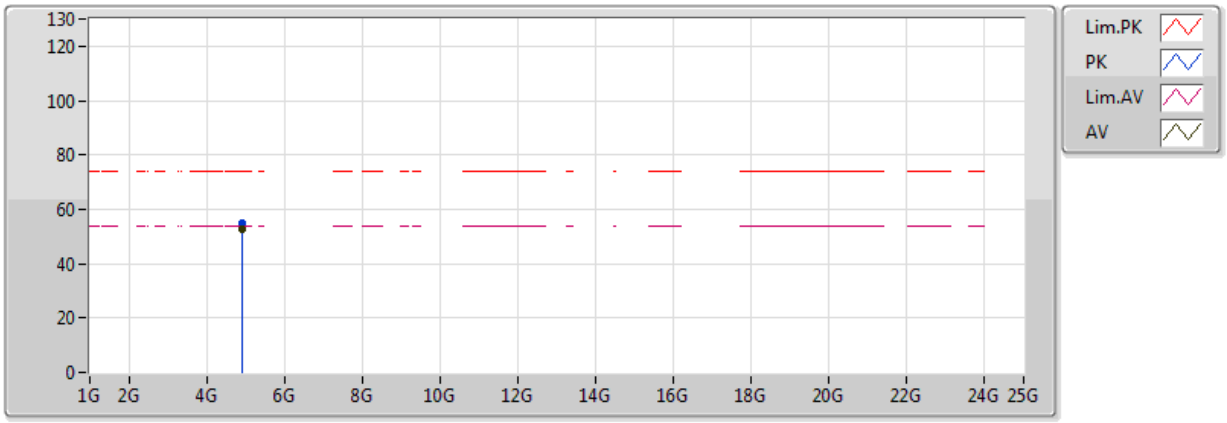


20171204
EUT Y_2TX
Setting 27
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4562G	107.19	Inf	-Inf	32.36	3	Horizontal	281	2.23
AV	2.4842G	48.51	54.00	-5.49	32.45	3	Horizontal	281	2.23
PK	2.456G	110.79	Inf	-Inf	32.35	3	Horizontal	281	2.23
PK	2.4892G	60.31	74.00	-13.69	32.46	3	Horizontal	281	2.23

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

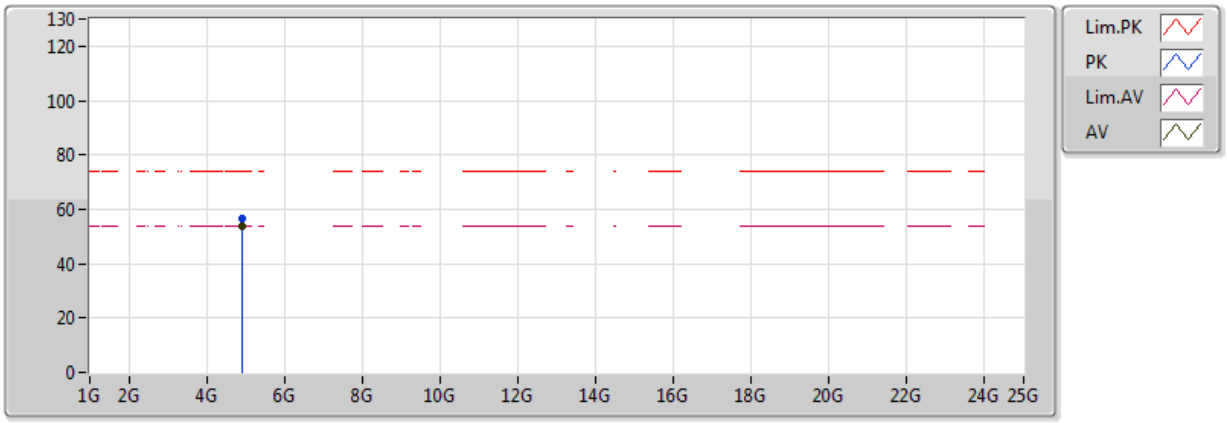


20171204
EUT Y_2TX
Setting 27
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.91396G	52.55	54.00	-1.45	9.37	3	Vertical	211	1.50
PK	4.91398G	55.00	74.00	-19.00	9.37	3	Vertical	211	1.50

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

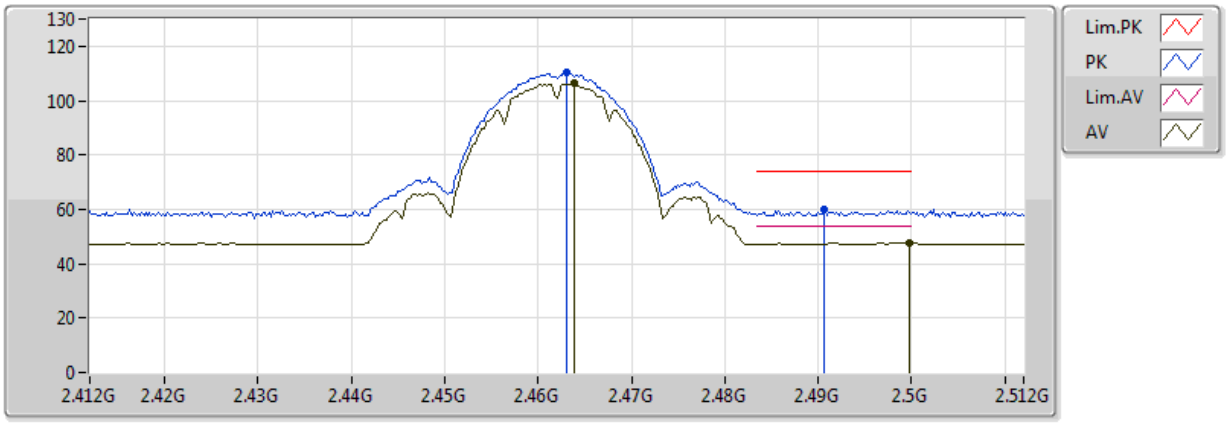


20171204
EUT Y_2TX
Setting 27
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.91398G	53.88	54.00	-0.12	9.37	3	Horizontal	183	1.72
PK	4.91392G	56.50	74.00	-17.50	9.37	3	Horizontal	183	1.72

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

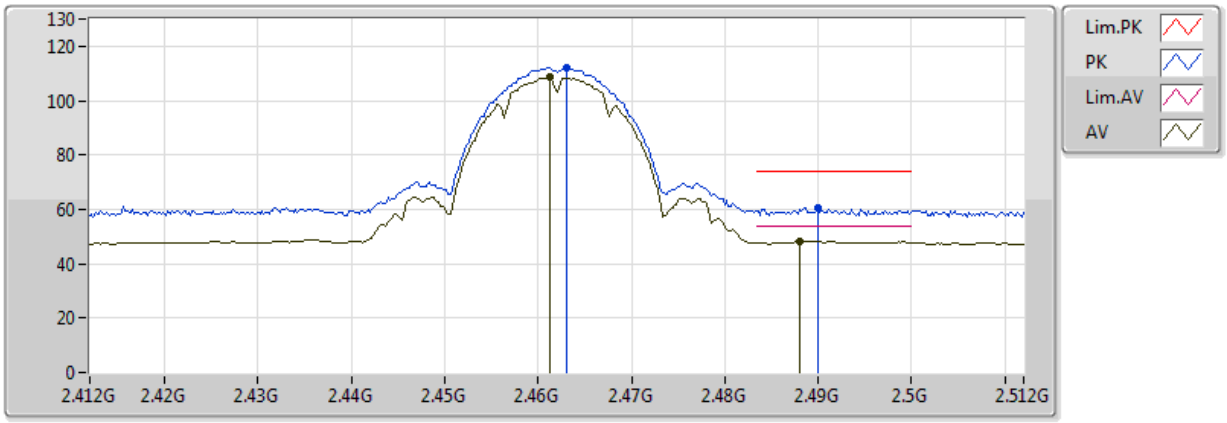


20170913
EUT Y_2TX
Setting 25
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4638G	106.19	Inf	-Inf	32.16	3	Vertical	237	1.50
AV	2.4998G	47.66	54.00	-6.34	32.27	3	Vertical	237	1.50
PK	2.463G	110.21	Inf	-Inf	32.16	3	Vertical	237	1.50
PK	2.4906G	60.19	74.00	-13.81	32.24	3	Vertical	237	1.50

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



20170913
EUT Y_2TX
Setting 25
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4612G	108.47	Inf	-Inf	32.15	3	Horizontal	257	2.20
AV	2.488G	48.42	54.00	-5.58	32.23	3	Horizontal	257	2.20
PK	2.463G	112.32	Inf	-Inf	32.16	3	Horizontal	257	2.20
PK	2.49G	60.31	74.00	-13.69	32.24	3	Horizontal	257	2.20

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

20170913
EUT Y_2TX
Setting 25
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.92398G	50.75	54.00	-3.25	8.39	3	Vertical	252	1.38
PK	4.9239G	54.32	74.00	-19.68	8.39	3	Vertical	252	1.38

802.11b_Nss1,(1Mbps)_2TX

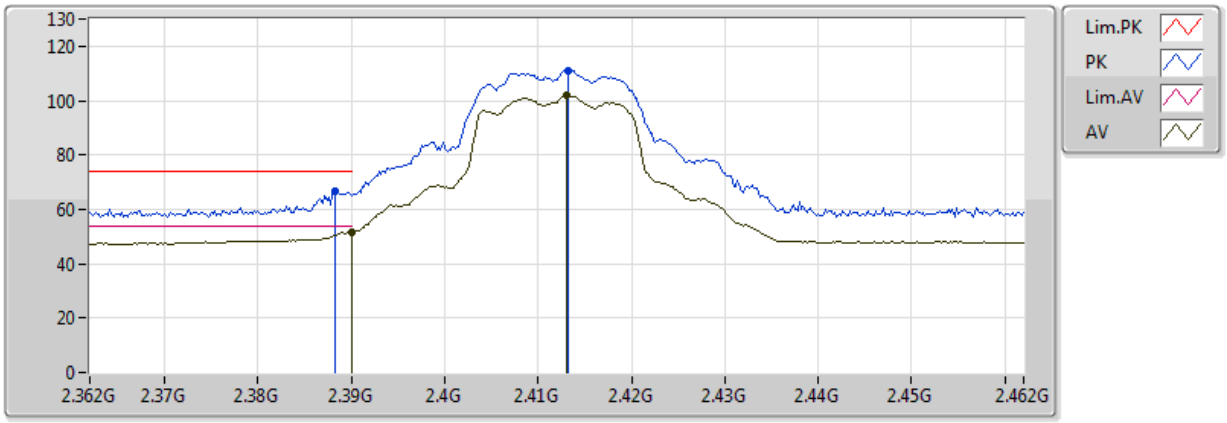
2462MHz_TX

20170913
EUT Y_2TX
Setting 25
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.92396G	53.86	54.00	-0.14	8.39	3	Horizontal	181	2.73
PK	4.924G	56.18	74.00	-17.82	8.39	3	Horizontal	181	2.73

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

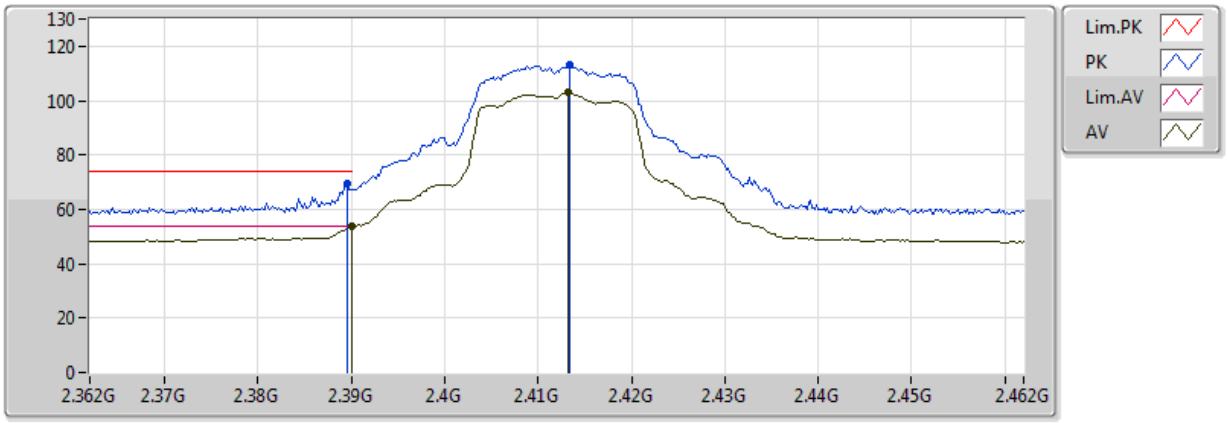


20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	51.73	54.00	-2.27	31.94	3	Vertical	233	2.11
AV	2.413G	102.12	Inf	-Inf	32.01	3	Vertical	233	2.11
PK	2.3882G	66.87	74.00	-7.13	31.93	3	Vertical	233	2.11
PK	2.4132G	111.00	Inf	-Inf	32.01	3	Vertical	233	2.11

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX



20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	53.73	54.00	-0.27	31.94	3	Horizontal	247	1.82
AV	2.4132G	102.95	Inf	-Inf	32.01	3	Horizontal	247	1.82
PK	2.3896G	69.35	74.00	-4.65	31.94	3	Horizontal	247	1.82
PK	2.4134G	112.96	Inf	-Inf	32.01	3	Horizontal	247	1.82

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.82572G	39.36	54.00	-14.64	8.09	3	Vertical	224	1.93
PK	4.82596G	53.69	74.00	-20.31	8.09	3	Vertical	224	1.93

802.11g_Nss1,(6Mbps)_2TX

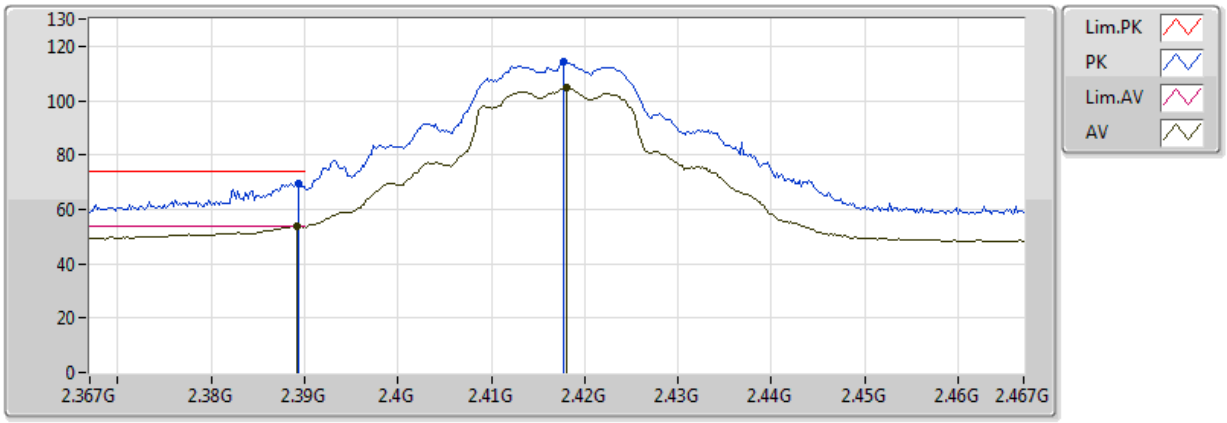
2412MHz_TX

20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.82596G	40.21	54.00	-13.79	8.09	3	Horizontal	195	2.44
PK	4.82036G	54.20	74.00	-19.80	8.07	3	Horizontal	195	2.44

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

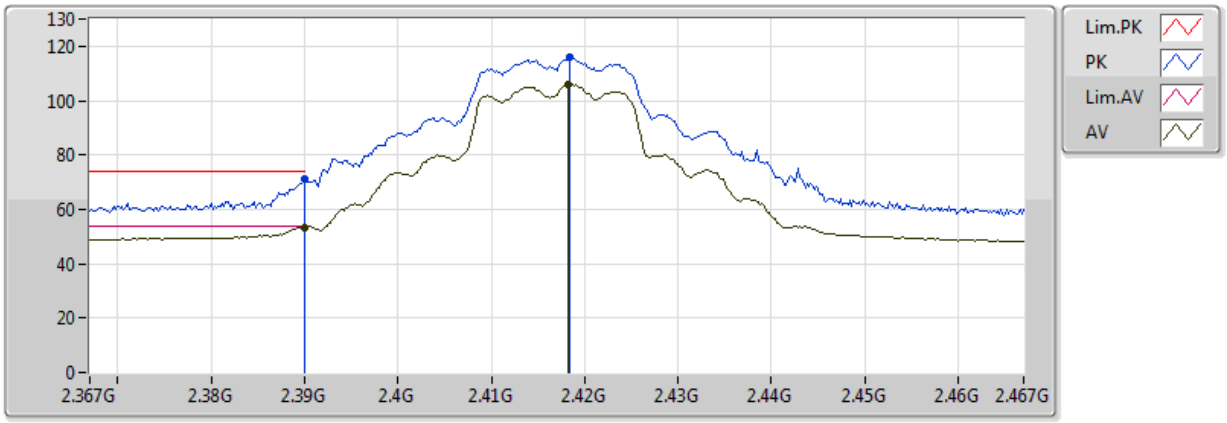


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3892G	53.94	54.00	-0.06	32.14	3	Vertical	251	2.70
AV	2.418G	104.90	Inf	-Inf	32.23	3	Vertical	251	2.70
PK	2.3894G	69.58	74.00	-4.42	32.14	3	Vertical	251	2.70
PK	2.4178G	114.12	Inf	-Inf	32.23	3	Vertical	251	2.70

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

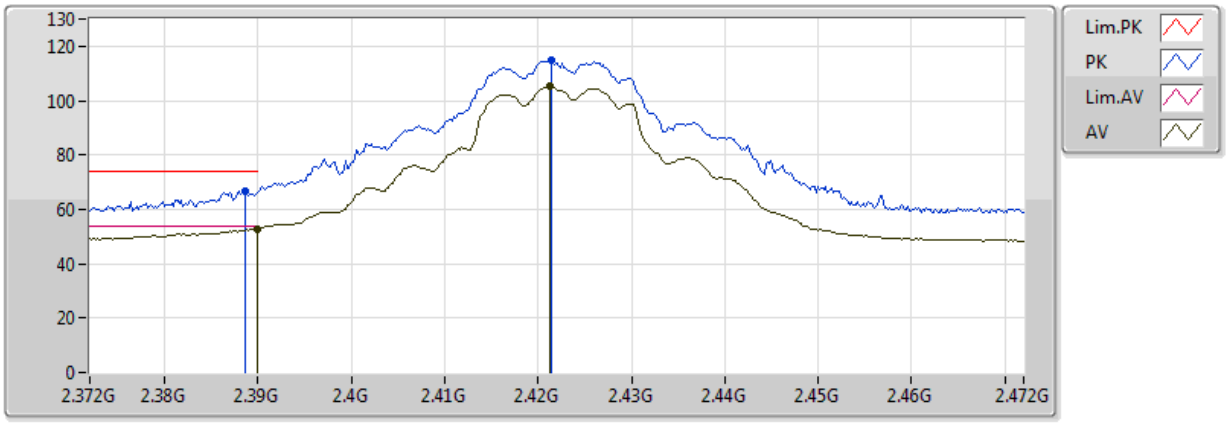


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	53.46	54.00	-0.54	32.14	3	Horizontal	241	2.22
AV	2.4182G	105.91	Inf	-Inf	32.23	3	Horizontal	241	2.22
PK	2.39G	71.36	74.00	-2.64	32.14	3	Horizontal	241	2.22
PK	2.4184G	115.98	Inf	-Inf	32.23	3	Horizontal	241	2.22

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

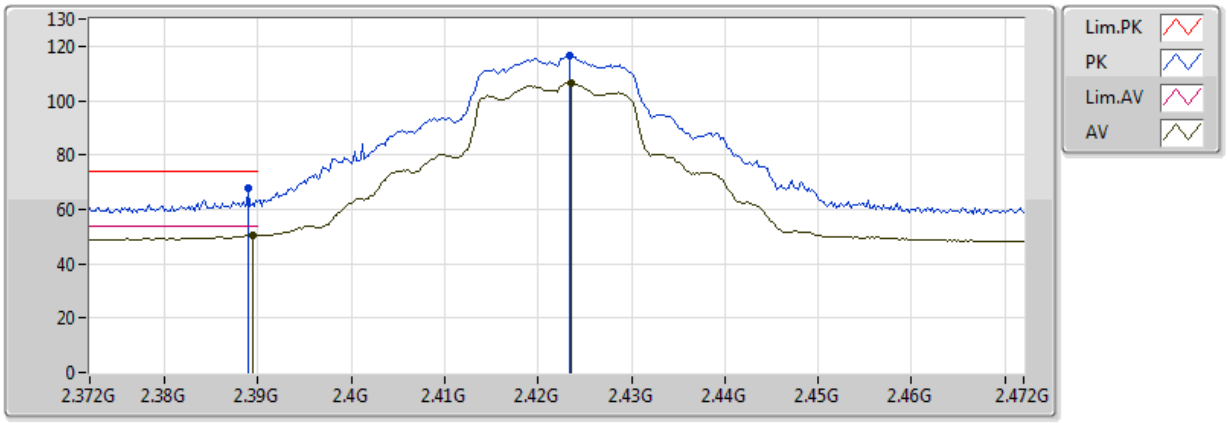


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	52.81	54.00	-1.19	32.14	3	Vertical	218	2.73
AV	2.4212G	105.54	Inf	-Inf	32.24	3	Vertical	218	2.73
PK	2.3886G	66.78	74.00	-7.22	32.14	3	Vertical	218	2.73
PK	2.4214G	114.95	Inf	-Inf	32.24	3	Vertical	218	2.73

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

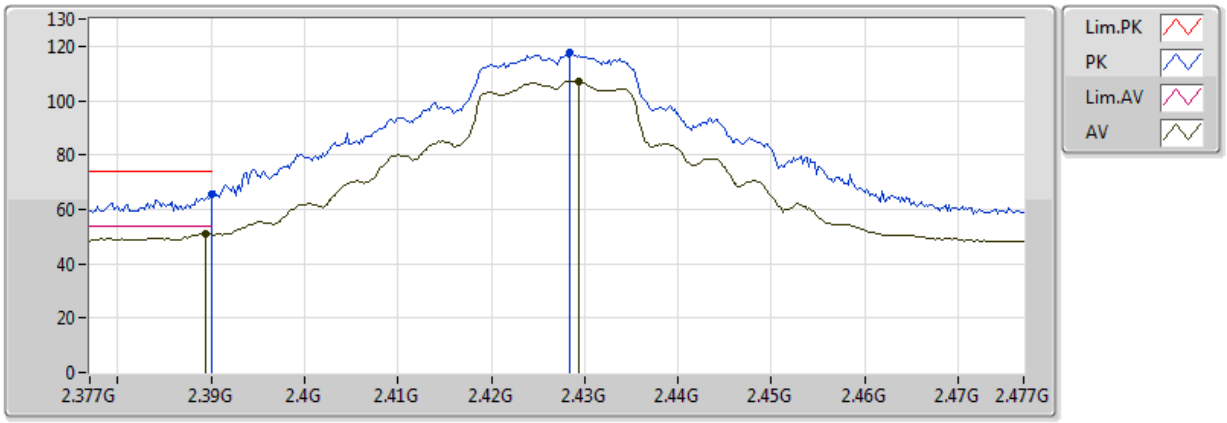


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3894G	50.51	54.00	-3.49	32.14	3	Horizontal	240	2.72
AV	2.4236G	106.26	Inf	-Inf	32.25	3	Horizontal	240	2.72
PK	2.389G	67.88	74.00	-6.12	32.14	3	Horizontal	240	2.72
PK	2.4234G	116.55	Inf	-Inf	32.25	3	Horizontal	240	2.72

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

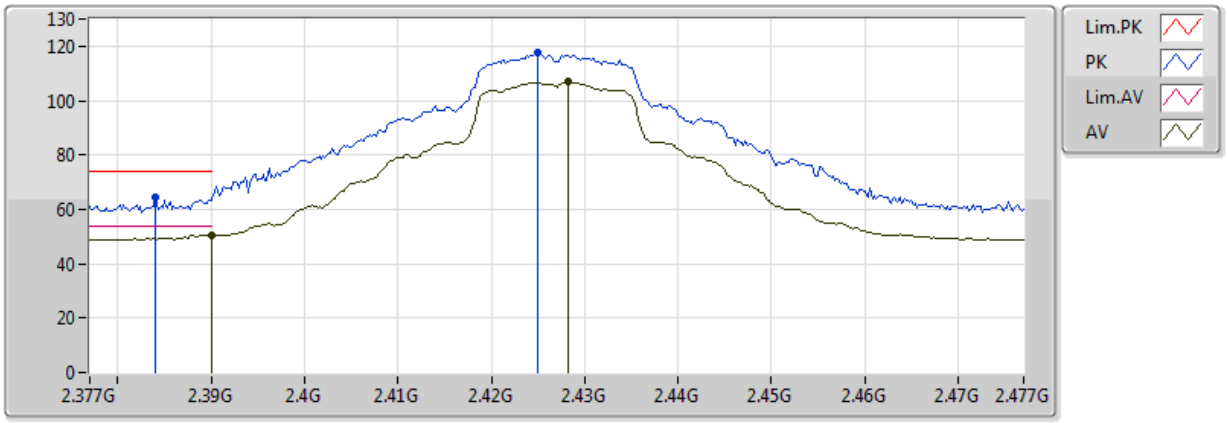


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3894G	50.98	54.00	-3.02	32.14	3	Vertical	241	2.99
AV	2.4294G	107.10	Inf	-Inf	32.27	3	Vertical	241	2.99
PK	2.39G	65.83	74.00	-8.17	32.14	3	Vertical	241	2.99
PK	2.4284G	117.48	Inf	-Inf	32.26	3	Vertical	241	2.99

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

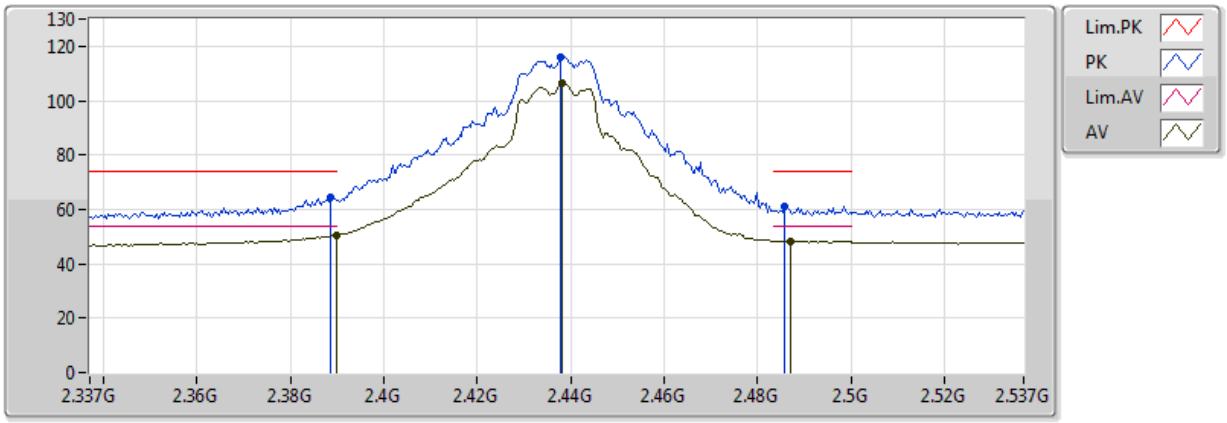


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	50.58	54.00	-3.42	32.14	3	Horizontal	245	2.72
AV	2.4282G	106.82	Inf	-Inf	32.26	3	Horizontal	245	2.72
PK	2.384G	64.66	74.00	-9.34	32.12	3	Horizontal	245	2.72
PK	2.425G	117.61	Inf	-Inf	32.25	3	Horizontal	245	2.72

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

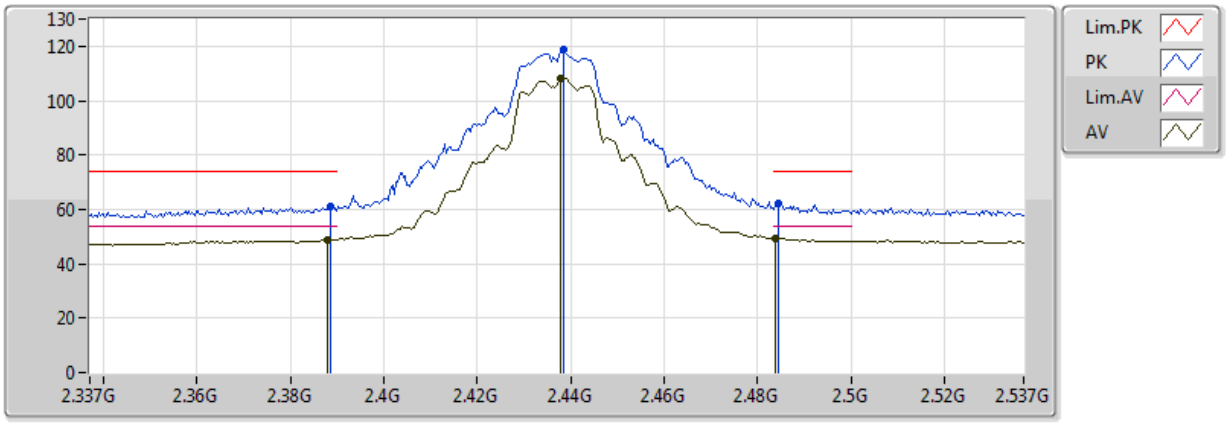


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.389998G	50.28	54.00	-3.72	31.94	3	Vertical	264	1.50
AV	2.4382G	106.49	Inf	-Inf	32.08	3	Vertical	264	1.50
AV	2.487G	48.31	54.00	-5.69	32.23	3	Vertical	264	1.50
PK	2.3886G	64.26	74.00	-9.74	31.93	3	Vertical	264	1.50
PK	2.4378G	116.19	Inf	-Inf	32.08	3	Vertical	264	1.50
PK	2.4858G	61.27	74.00	-12.73	32.23	3	Vertical	264	1.50

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

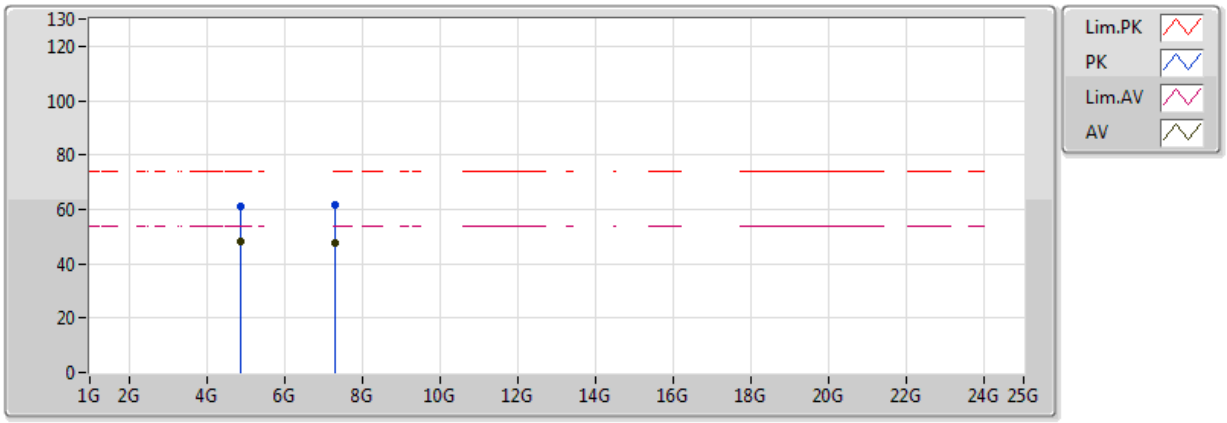


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3878G	48.92	54.00	-5.08	31.93	3	Horizontal	269	1.77
AV	2.4378G	108.09	Inf	-Inf	32.08	3	Horizontal	269	1.77
AV	2.4838G	49.47	54.00	-4.53	32.22	3	Horizontal	269	1.77
PK	2.3886G	61.10	74.00	-12.90	31.93	3	Horizontal	269	1.77
PK	2.4386G	118.57	Inf	-Inf	32.09	3	Horizontal	269	1.77
PK	2.4846G	62.33	74.00	-11.67	32.22	3	Horizontal	269	1.77

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

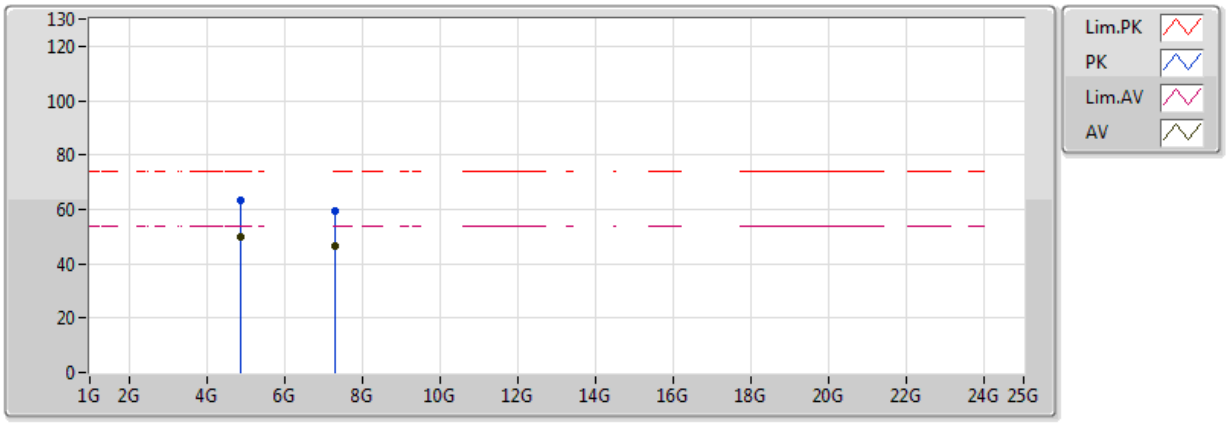


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.87586G	48.00	54.00	-6.00	8.25	3	Vertical	249	1.54
AV	7.31076G	47.66	54.00	-6.34	12.19	3	Vertical	244	2.22
PK	4.87034G	61.19	74.00	-12.81	8.23	3	Vertical	249	1.54
PK	7.31478G	61.39	74.00	-12.61	12.20	3	Vertical	244	2.22

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

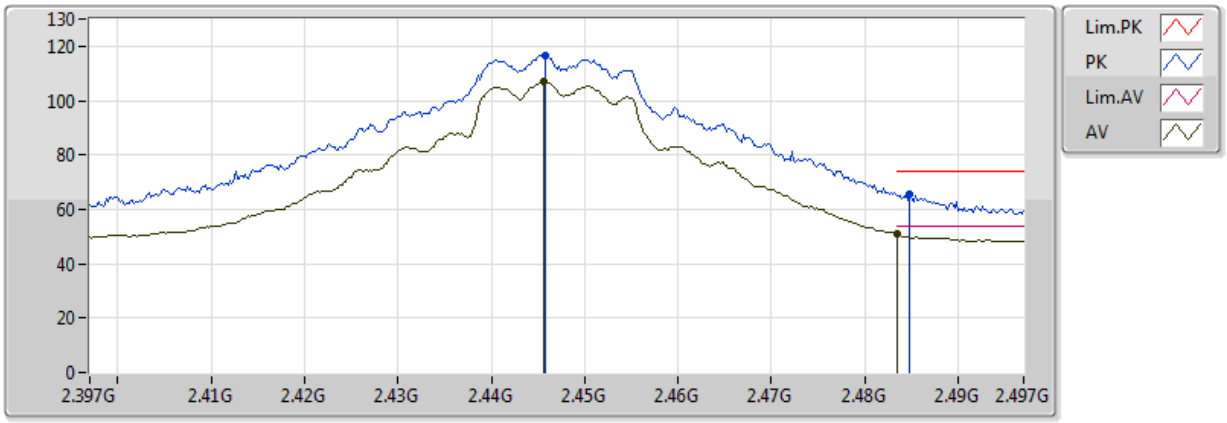


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.8761G	49.91	54.00	-4.09	8.25	3	Horizontal	187	2.43
AV	7.31316G	46.39	54.00	-7.61	12.20	3	Horizontal	264	1.47
PK	4.874G	63.43	74.00	-10.57	8.24	3	Horizontal	187	2.43
PK	7.3125G	59.39	74.00	-14.61	12.20	3	Horizontal	264	1.47

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

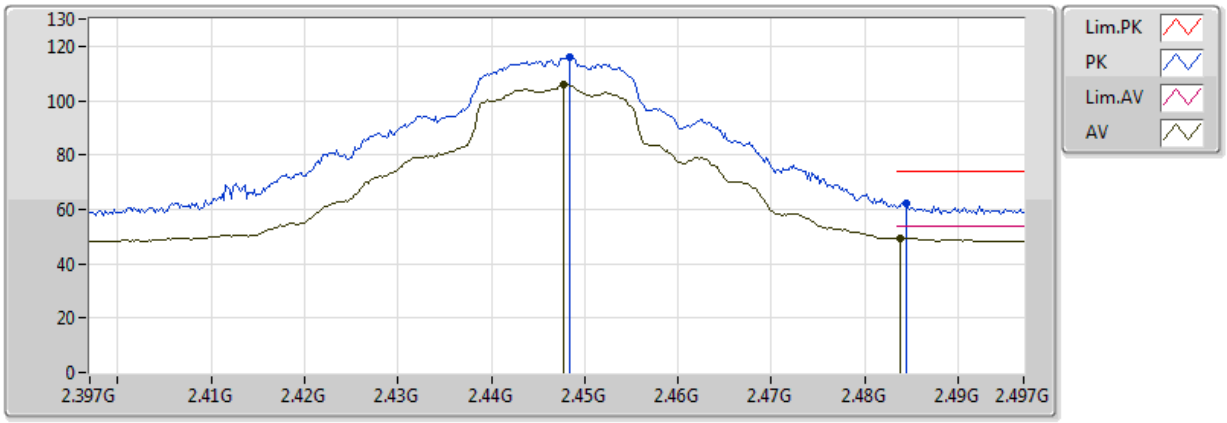


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4456G	106.75	Inf	-Inf	32.32	3	Vertical	184	2.76
AV	2.483502G	51.09	54.00	-2.91	32.45	3	Vertical	184	2.76
PK	2.4458G	116.67	Inf	-Inf	32.32	3	Vertical	184	2.76
PK	2.4848G	65.58	74.00	-8.42	32.45	3	Vertical	184	2.76

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

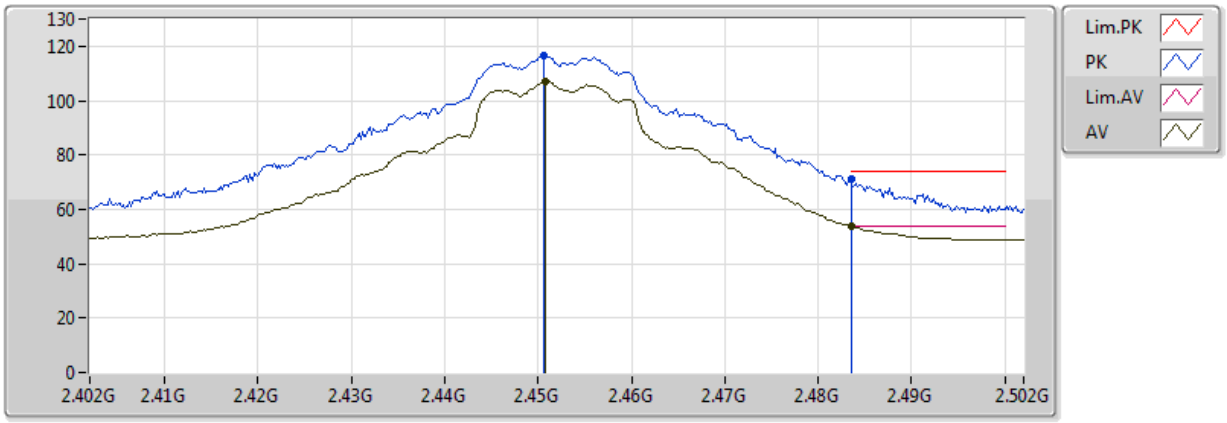


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4478G	105.86	Inf	-Inf	32.33	3	Horizontal	251	2.96
AV	2.4838G	49.53	54.00	-4.47	32.45	3	Horizontal	251	2.96
PK	2.4484G	115.80	Inf	-Inf	32.33	3	Horizontal	251	2.96
PK	2.4844G	62.44	74.00	-11.56	32.45	3	Horizontal	251	2.96

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

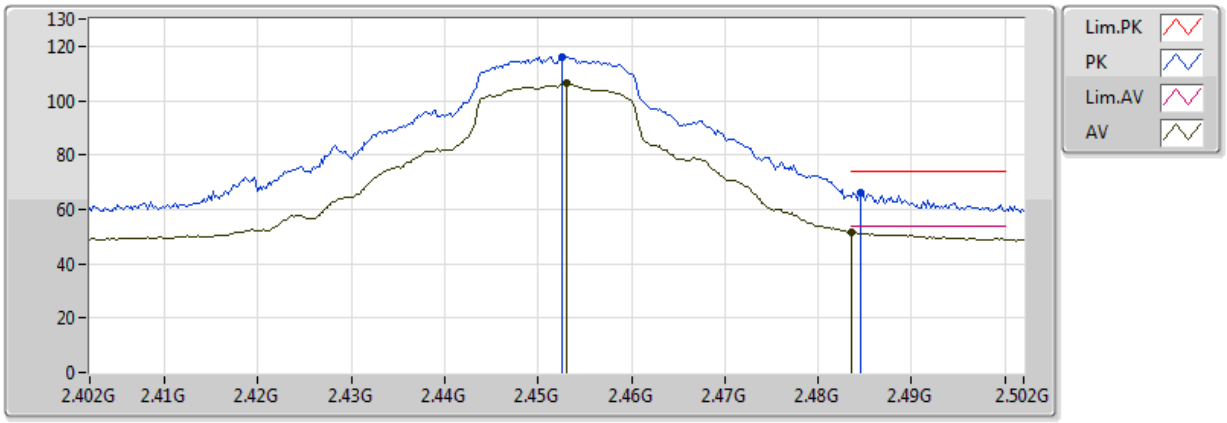


20171204
EUT Y_2TX
Setting 2E
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4508G	107.01	Inf	-Inf	32.34	3	Vertical	192	1.29
AV	2.483502G	53.69	54.00	-0.31	32.45	3	Vertical	192	1.29
PK	2.4506G	116.54	Inf	-Inf	32.34	3	Vertical	192	1.29
PK	2.483502G	71.37	74.00	-2.63	32.45	3	Vertical	192	1.29

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

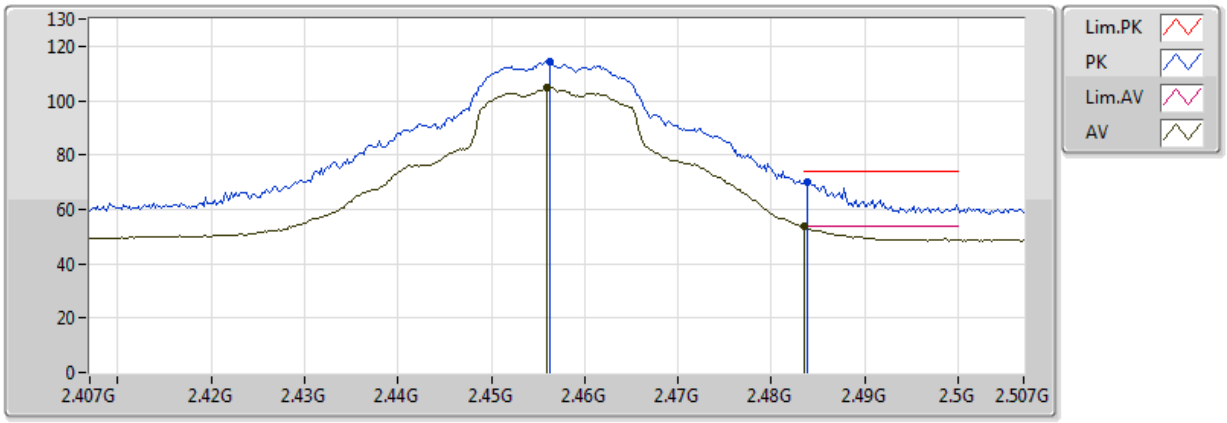


20171204
EUT Y_2TX
Setting 2E
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.453G	106.58	Inf	-Inf	32.34	3	Horizontal	228	2.21
AV	2.483502G	51.82	54.00	-2.18	32.45	3	Horizontal	228	2.21
PK	2.4526G	116.12	Inf	-Inf	32.34	3	Horizontal	228	2.21
PK	2.4846G	65.95	74.00	-8.05	32.45	3	Horizontal	228	2.21

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

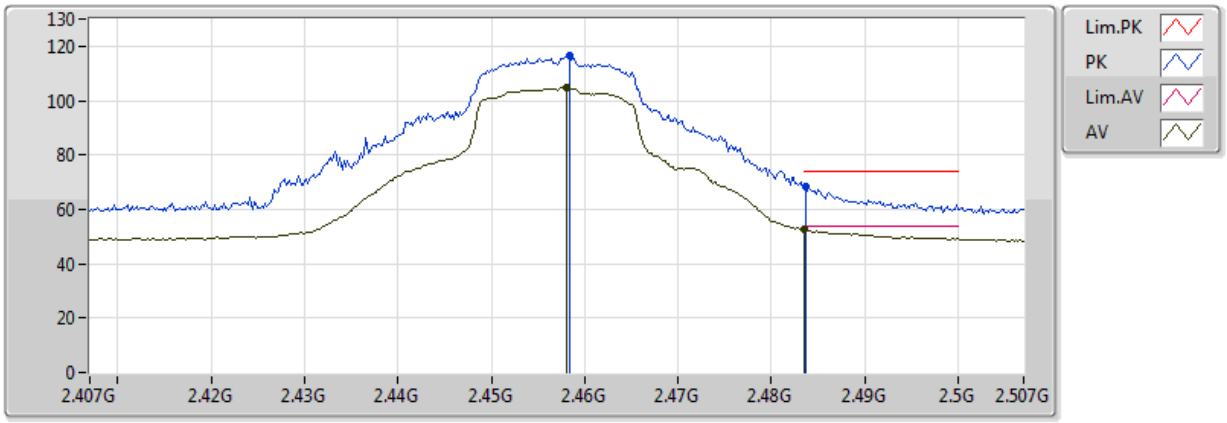


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.456G	104.93	Inf	-Inf	32.35	3	Vertical	196	1.05
AV	2.483502G	53.69	54.00	-0.31	32.45	3	Vertical	196	1.05
PK	2.4562G	114.17	Inf	-Inf	32.36	3	Vertical	196	1.05
PK	2.4838G	70.11	74.00	-3.89	32.45	3	Vertical	196	1.05

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

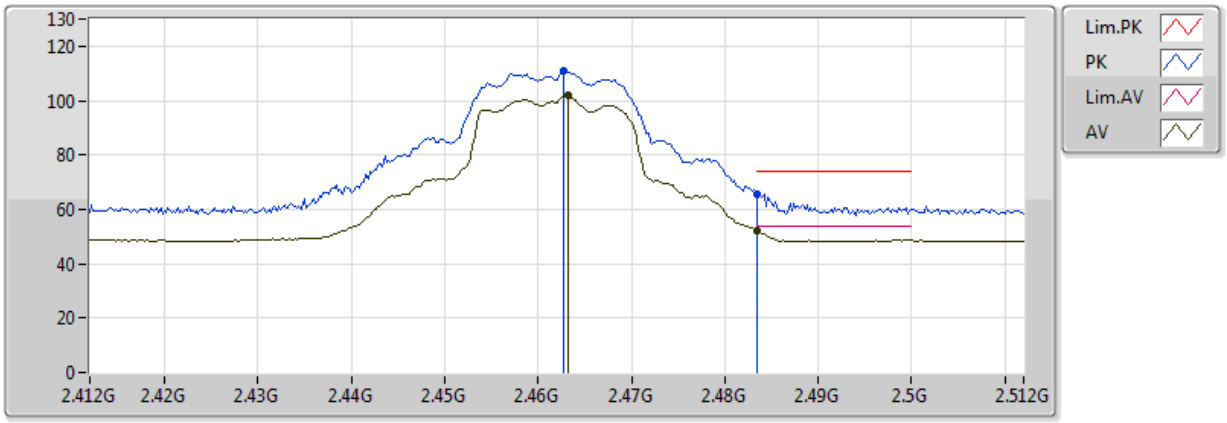


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.458G	104.98	Inf	-Inf	32.36	3	Horizontal	237	2.18
AV	2.483502G	52.63	54.00	-1.37	32.45	3	Horizontal	237	2.18
PK	2.4584G	116.36	Inf	-Inf	32.36	3	Horizontal	237	2.18
PK	2.4836G	68.23	74.00	-5.77	32.45	3	Horizontal	237	2.18

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

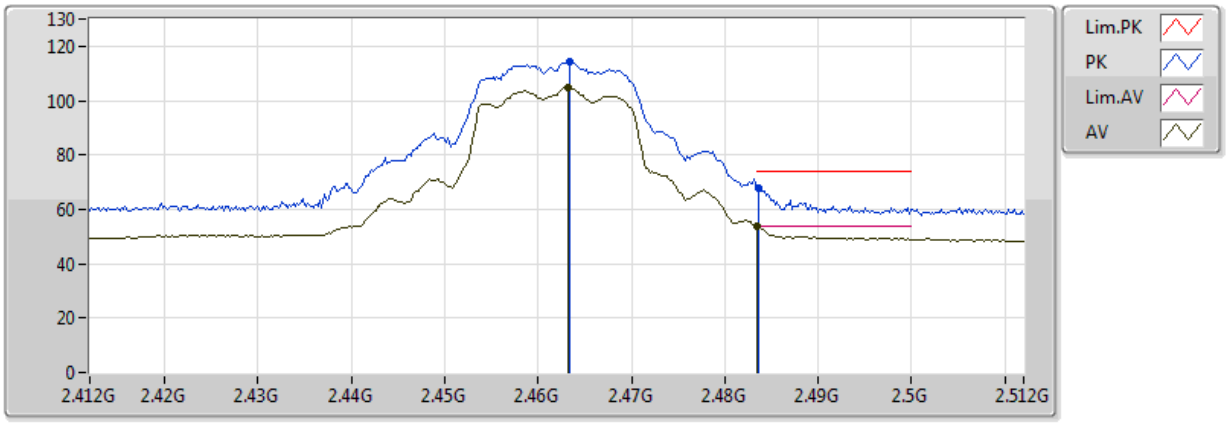


20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4632G	101.83	Inf	-Inf	32.16	3	Vertical	254	1.44
AV	2.483502G	52.30	54.00	-1.70	32.22	3	Vertical	254	1.44
PK	2.4628G	110.68	Inf	-Inf	32.16	3	Vertical	254	1.44
PK	2.483502G	65.50	74.00	-8.50	32.22	3	Vertical	254	1.44

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX



20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4632G	104.85	Inf	-Inf	32.16	3	Horizontal	253	2.20
AV	2.483502G	53.94	54.00	-0.06	32.22	3	Horizontal	253	2.20
PK	2.4634G	114.38	Inf	-Inf	32.16	3	Horizontal	253	2.20
PK	2.4836G	67.89	74.00	-6.11	32.22	3	Horizontal	253	2.20

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.92496G	41.37	54.00	-12.63	8.40	3	Vertical	254	1.49
PK	4.93G	55.37	74.00	-18.63	8.41	3	Vertical	254	1.49

802.11g_Nss1,(6Mbps)_2TX

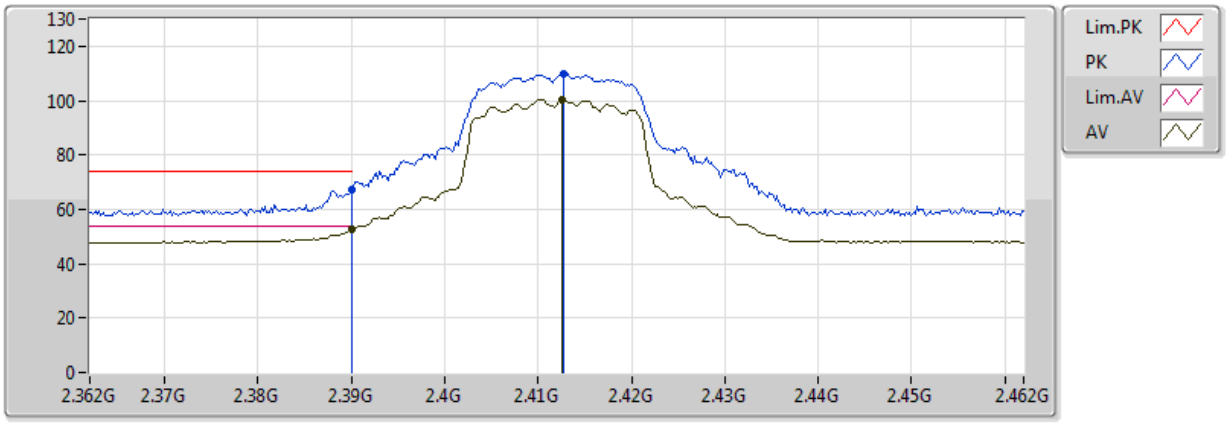
2462MHz_TX

20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.92376G	42.70	54.00	-11.30	8.39	3	Horizontal	199	1.96
PK	4.92292G	56.76	74.00	-17.24	8.39	3	Horizontal	199	1.96

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

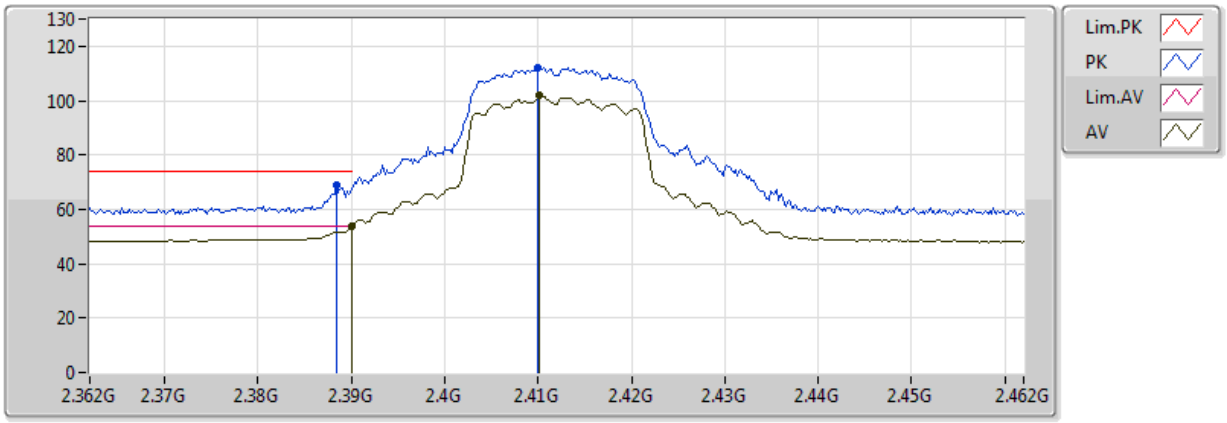


20170913
EUT Y_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	52.71	54.00	-1.29	31.94	3	Vertical	258	1.01
AV	2.4126G	100.51	Inf	-Inf	32.01	3	Vertical	258	1.01
PK	2.39G	67.13	74.00	-6.87	31.94	3	Vertical	258	1.01
PK	2.4128G	109.85	Inf	-Inf	32.01	3	Vertical	258	1.01

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

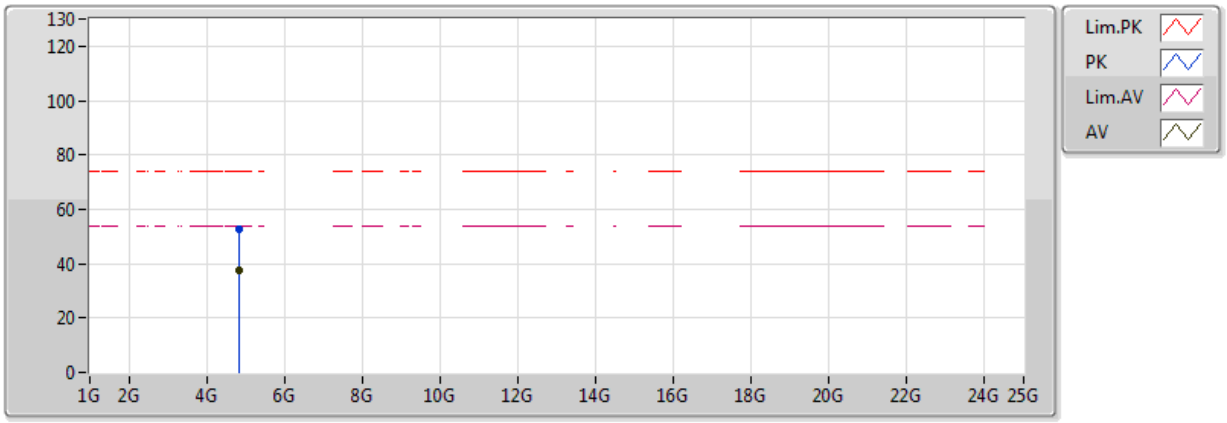


20170913
EUT Y_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	53.79	54.00	-0.21	31.94	3	Horizontal	264	1.81
AV	2.4102G	101.84	Inf	-Inf	32.00	3	Horizontal	264	1.81
PK	2.3884G	68.65	74.00	-5.35	31.93	3	Horizontal	264	1.81
PK	2.41G	112.17	Inf	-Inf	32.00	3	Horizontal	264	1.81

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

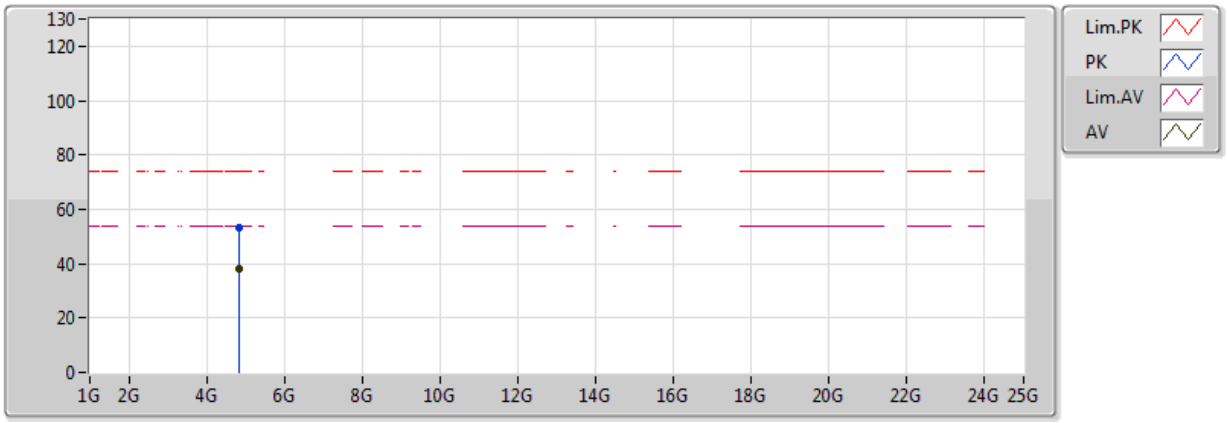


20170913
EUT Y_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.82256G	37.78	54.00	-16.22	8.08	3	Vertical	261	1.07
PK	4.82208G	52.66	74.00	-21.34	8.08	3	Vertical	261	1.07

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

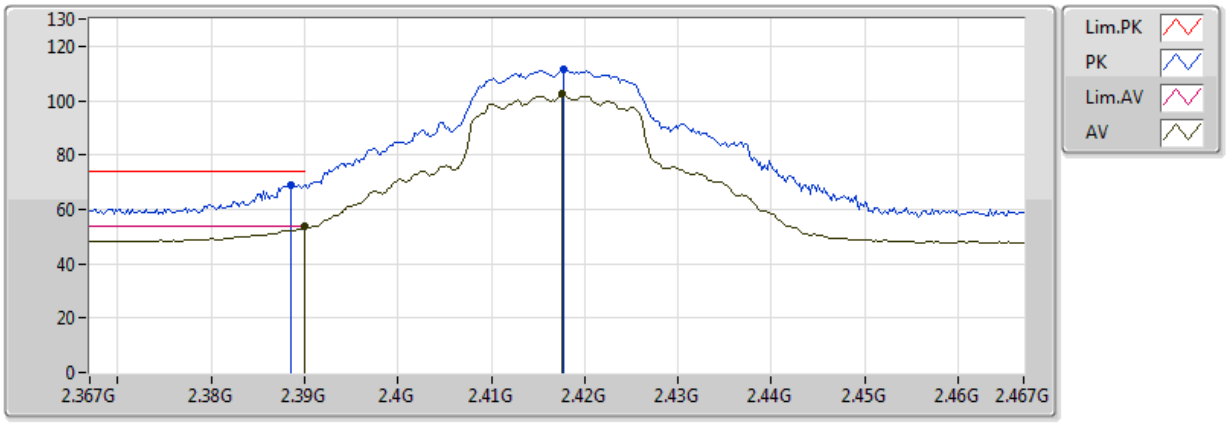


20170913
EUT Y_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.82226G	37.85	54.00	-16.15	8.08	3	Horizontal	151	2.43
PK	4.82466G	53.14	74.00	-20.86	8.09	3	Horizontal	151	2.43

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

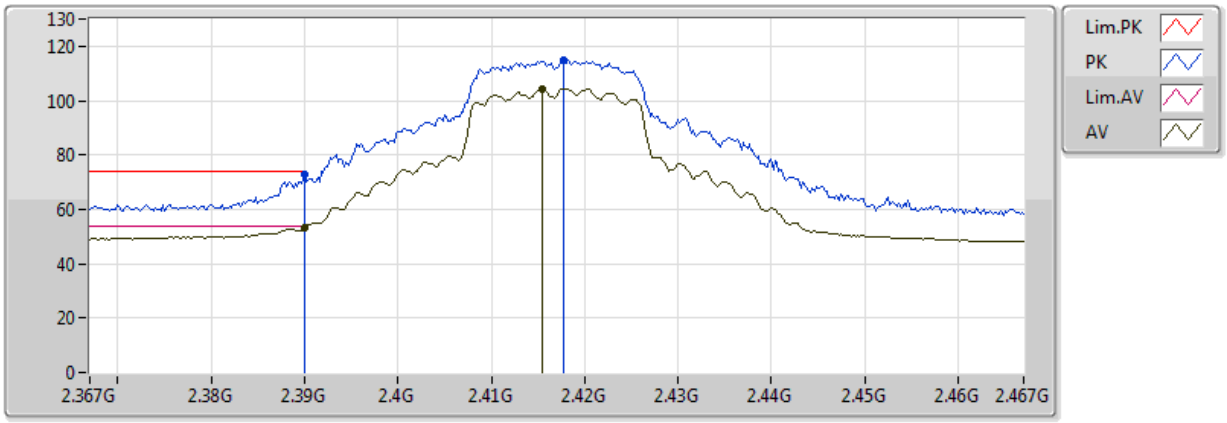


20171204
EUT Y_2TX
Setting 29
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	53.93	54.00	-0.07	32.14	3	Vertical	214	1.60
AV	2.4176G	102.43	Inf	-Inf	32.23	3	Vertical	214	1.60
PK	2.3886G	69.14	74.00	-4.86	32.14	3	Vertical	214	1.60
PK	2.4178G	111.66	Inf	-Inf	32.23	3	Vertical	214	1.60

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

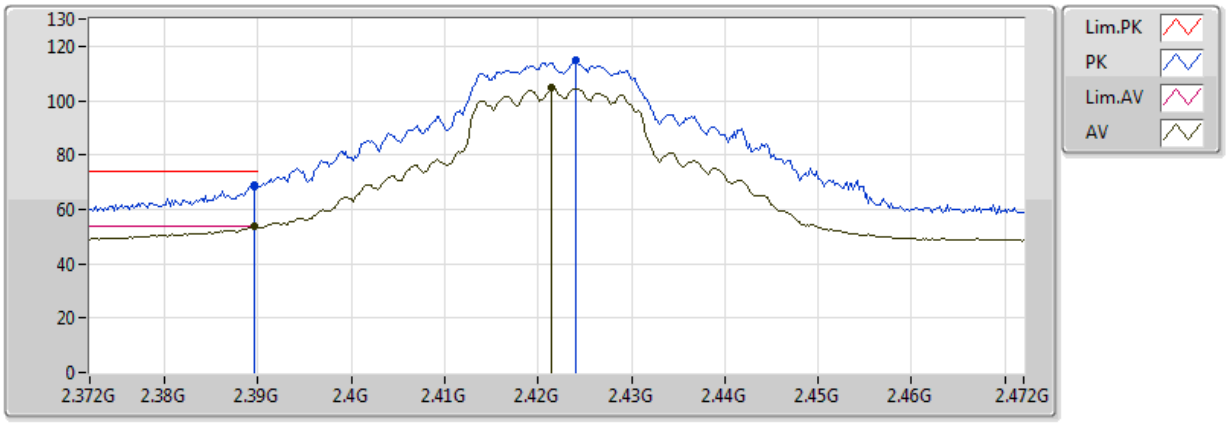


20171204
EUT Y_2TX
Setting 29
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	53.16	54.00	-0.84	32.14	3	Horizontal	208	2.24
AV	2.4154G	104.42	Inf	-Inf	32.22	3	Horizontal	208	2.24
PK	2.39G	73.04	74.00	-0.96	32.14	3	Horizontal	208	2.24
PK	2.4178G	114.77	Inf	-Inf	32.23	3	Horizontal	208	2.24

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

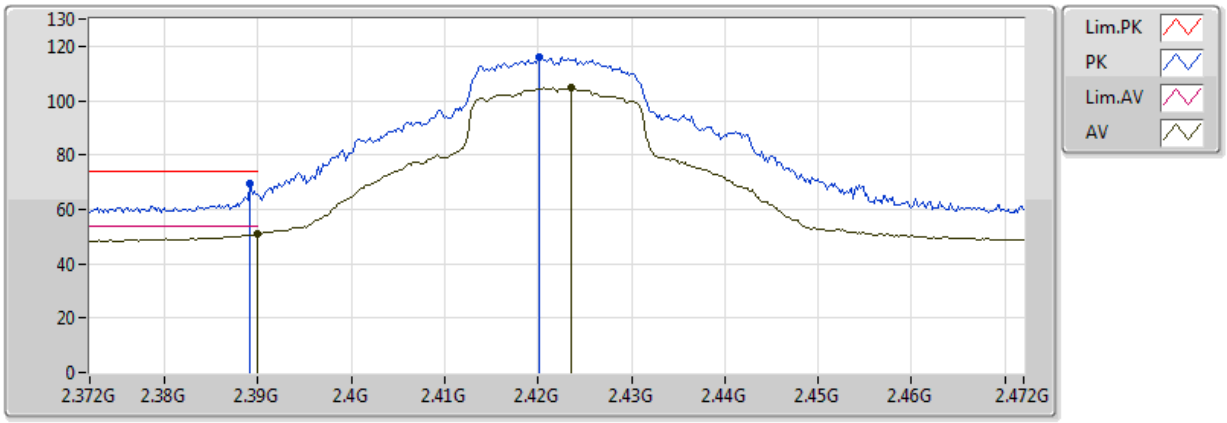


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3896G	53.72	54.00	-0.28	32.14	3	Vertical	186	2.73
AV	2.4214G	104.77	Inf	-Inf	32.24	3	Vertical	186	2.73
PK	2.3896G	68.78	74.00	-5.22	32.14	3	Vertical	186	2.73
PK	2.424G	114.99	Inf	-Inf	32.25	3	Vertical	186	2.73

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

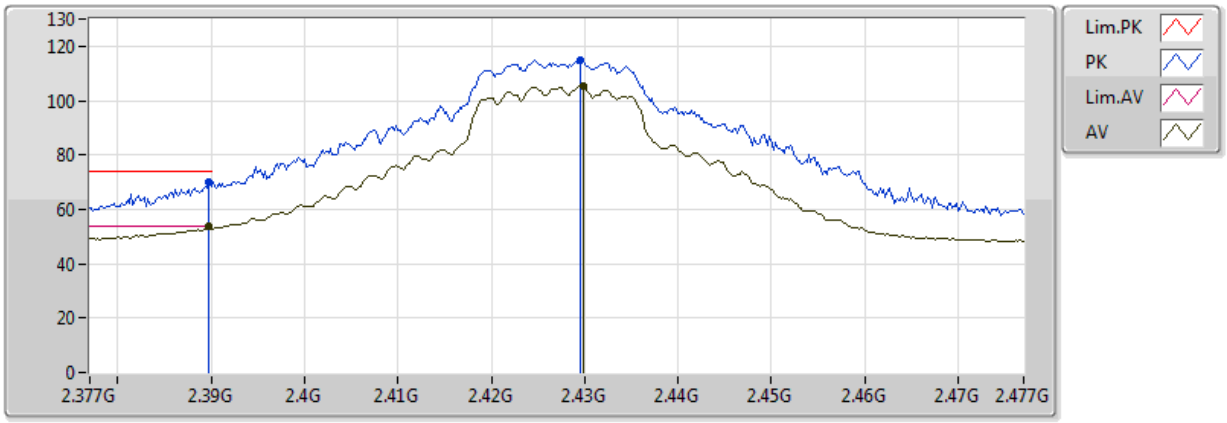


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	50.90	54.00	-3.10	32.14	3	Horizontal	224	2.22
AV	2.4236G	104.66	Inf	-Inf	32.25	3	Horizontal	224	2.22
PK	2.3892G	69.66	74.00	-4.34	32.14	3	Horizontal	224	2.22
PK	2.4202G	116.05	Inf	-Inf	32.24	3	Horizontal	224	2.22

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

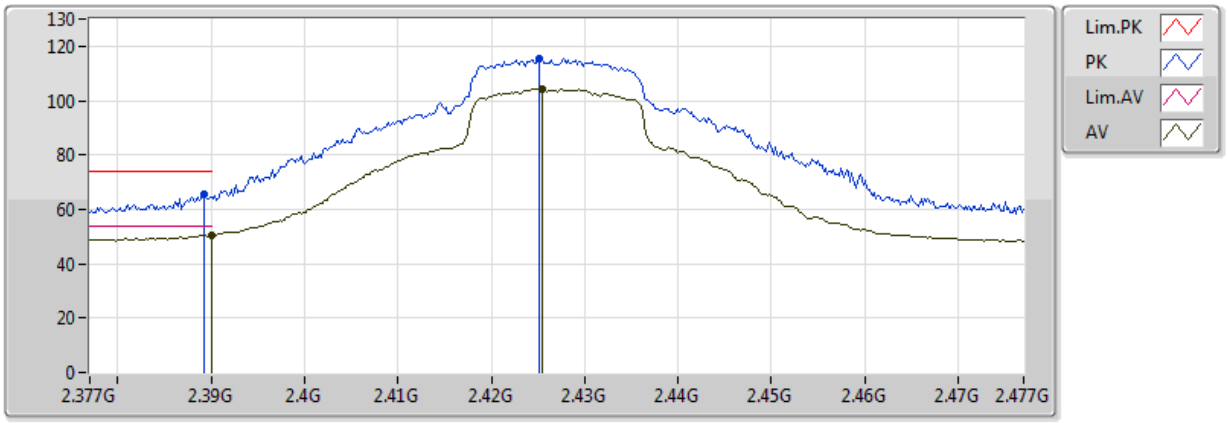


20171204
EUT Y_2TX
Setting 2D
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3898G	53.72	54.00	-0.28	32.14	3	Vertical	191	1.50
AV	2.4298G	105.44	Inf	-Inf	32.27	3	Vertical	191	1.50
PK	2.3898G	70.08	74.00	-3.92	32.14	3	Vertical	191	1.50
PK	2.4296G	114.72	Inf	-Inf	32.27	3	Vertical	191	1.50

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

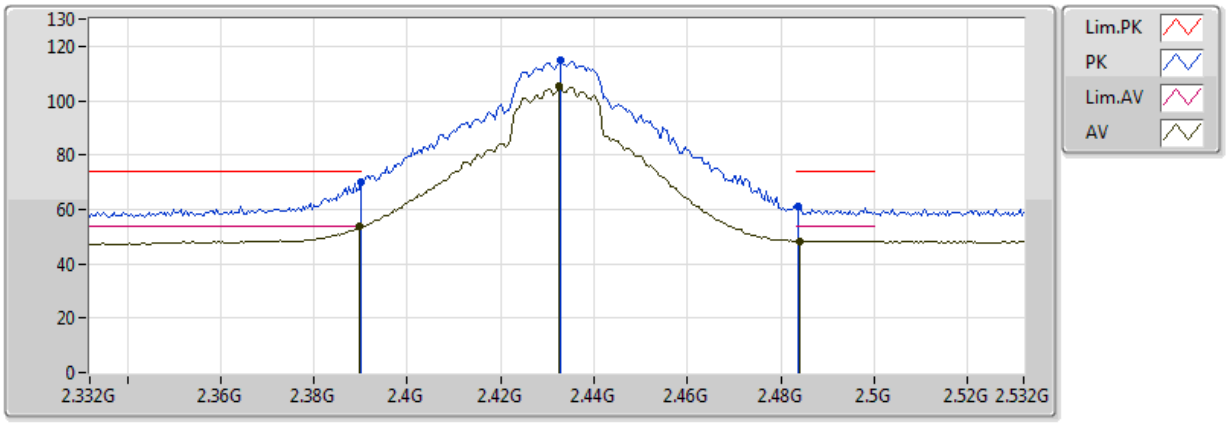


20171204
EUT Y_2TX
Setting 2D
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	50.48	54.00	-3.52	32.14	3	Horizontal	228	2.73
AV	2.4254G	104.47	Inf	-Inf	32.25	3	Horizontal	228	2.73
PK	2.3892G	65.66	74.00	-8.34	32.14	3	Horizontal	228	2.73
PK	2.4252G	115.50	Inf	-Inf	32.25	3	Horizontal	228	2.73

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

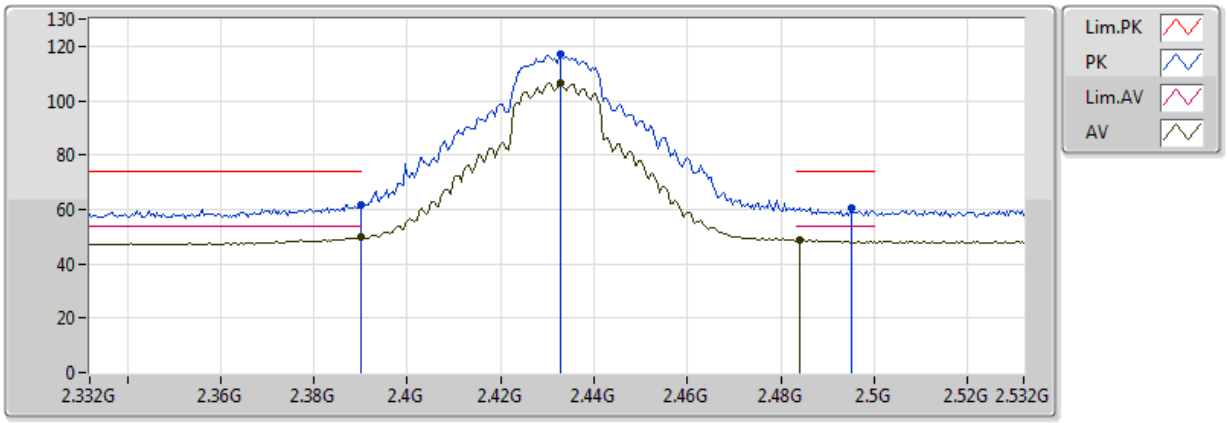


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3896G	53.94	54.00	-0.06	32.14	3	Vertical	197	1.00
AV	2.4324G	105.16	Inf	-Inf	32.28	3	Vertical	197	1.00
AV	2.484G	48.46	54.00	-5.54	32.45	3	Vertical	197	1.00
PK	2.39G	69.92	74.00	-4.08	32.14	3	Vertical	197	1.00
PK	2.4328G	114.73	Inf	-Inf	32.28	3	Vertical	197	1.00
PK	2.4836G	61.19	74.00	-12.81	32.45	3	Vertical	197	1.00

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

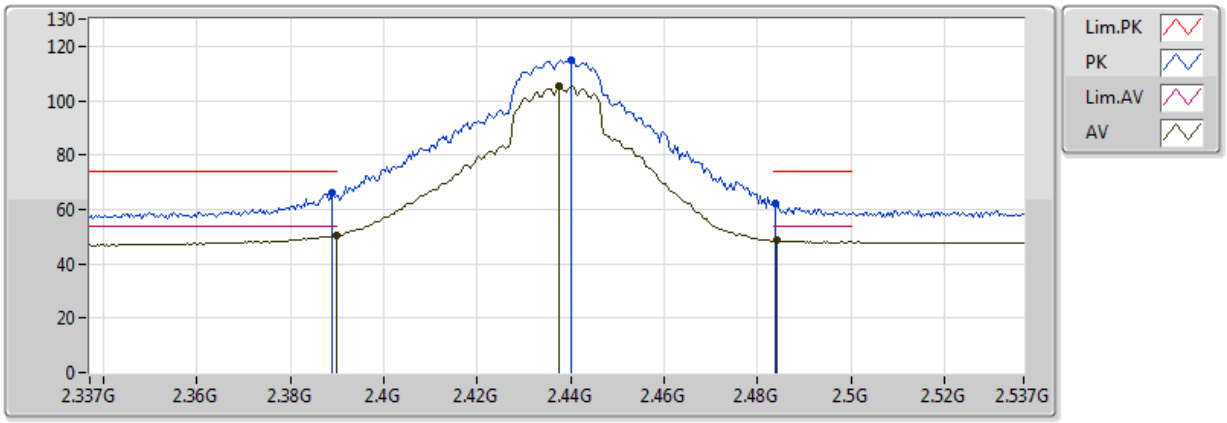


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	49.77	54.00	-4.23	32.14	3	Horizontal	190	2.43
AV	2.4328G	106.68	Inf	-Inf	32.28	3	Horizontal	190	2.43
AV	2.484G	48.66	54.00	-5.34	32.45	3	Horizontal	190	2.43
PK	2.39G	61.61	74.00	-12.39	32.14	3	Horizontal	190	2.43
PK	2.4328G	117.13	Inf	-Inf	32.28	3	Horizontal	190	2.43
PK	2.4952G	60.60	74.00	-13.40	32.48	3	Horizontal	190	2.43

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

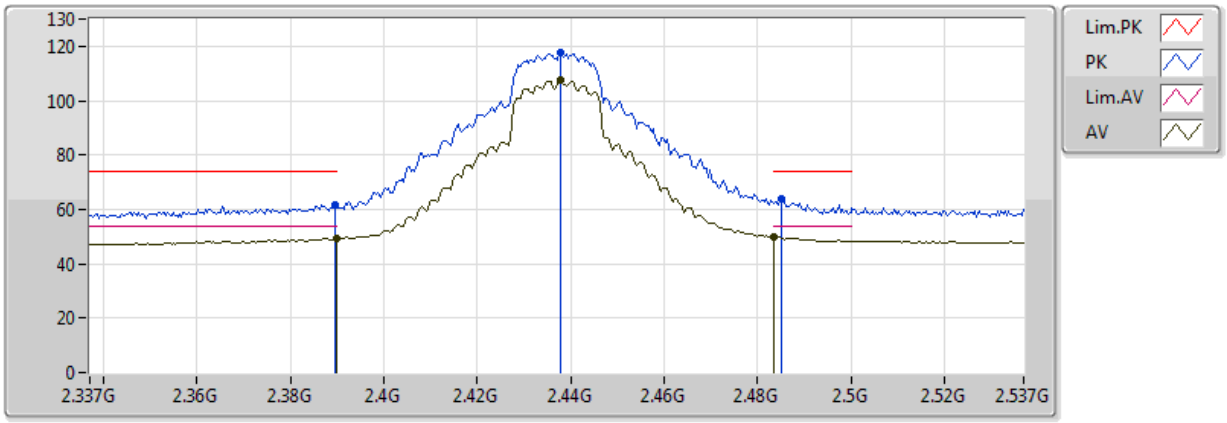


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.389998G	50.52	54.00	-3.48	31.94	3	Vertical	250	1.52
AV	2.4374G	105.42	Inf	-Inf	32.08	3	Vertical	250	1.52
AV	2.4842G	48.56	54.00	-5.44	32.22	3	Vertical	250	1.52
PK	2.389G	66.09	74.00	-7.91	31.94	3	Vertical	250	1.52
PK	2.4402G	115.02	Inf	-Inf	32.09	3	Vertical	250	1.52
PK	2.4838G	62.21	74.00	-11.79	32.22	3	Vertical	250	1.52

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

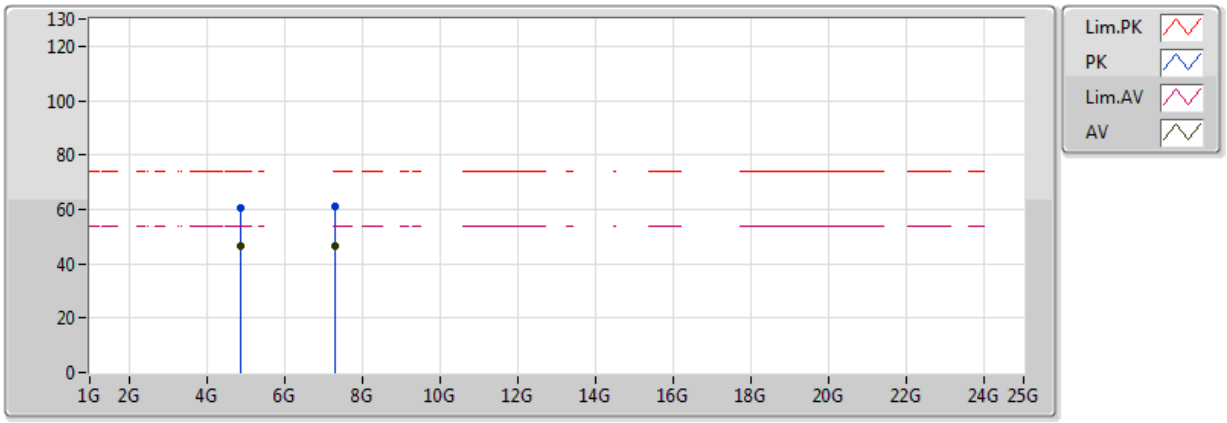


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.389998G	49.45	54.00	-4.55	31.94	3	Horizontal	261	1.79
AV	2.4378G	107.42	Inf	-Inf	32.08	3	Horizontal	261	1.79
AV	2.483502G	49.79	54.00	-4.21	32.22	3	Horizontal	261	1.79
PK	2.3894G	61.61	74.00	-12.39	31.94	3	Horizontal	261	1.79
PK	2.4378G	117.63	Inf	-Inf	32.08	3	Horizontal	261	1.79
PK	2.485G	64.03	74.00	-9.97	32.23	3	Horizontal	261	1.79

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

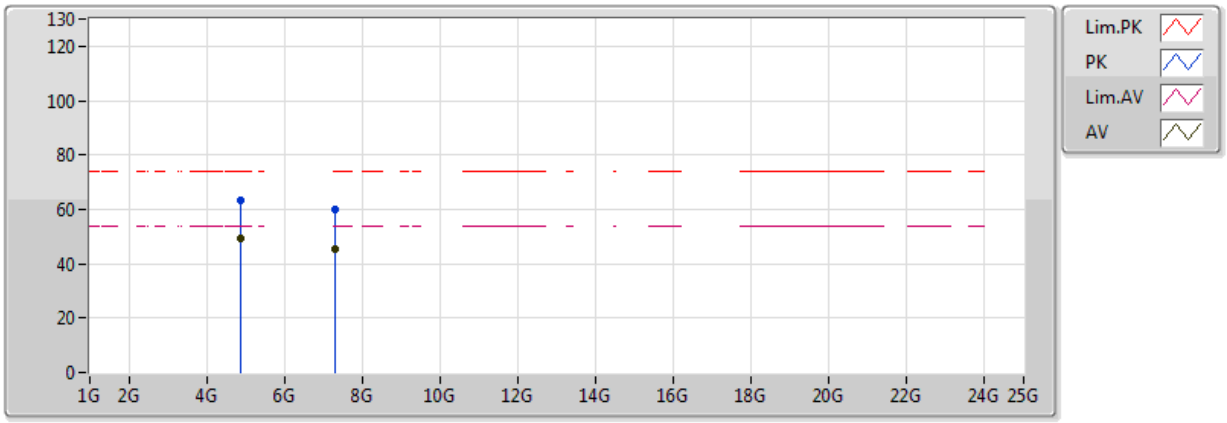


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.87226G	46.58	54.00	-7.42	8.23	3	Vertical	217	1.70
AV	7.31082G	46.44	54.00	-7.56	12.19	3	Vertical	210	2.29
PK	4.87466G	60.42	74.00	-13.58	8.24	3	Vertical	217	1.70
PK	7.30836G	60.99	74.00	-13.01	12.19	3	Vertical	210	2.29

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

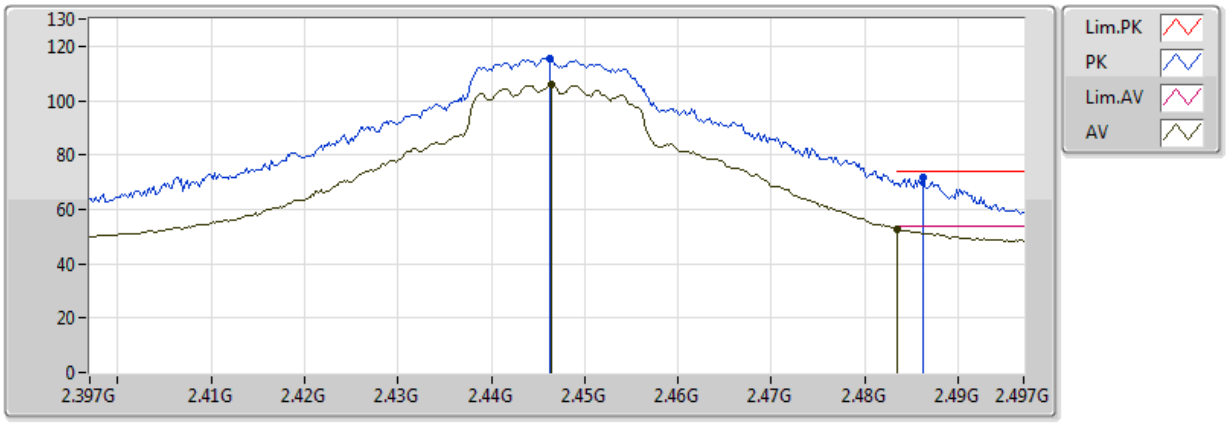


20170913
EUT Y_2TX
Setting 30
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.87676G	49.40	54.00	-4.60	8.25	3	Horizontal	153	2.33
AV	7.31208G	45.51	54.00	-8.49	12.20	3	Horizontal	228	1.54
PK	4.87436G	63.22	74.00	-10.78	8.24	3	Horizontal	153	2.33
PK	7.30932G	59.77	74.00	-14.23	12.19	3	Horizontal	228	1.54

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

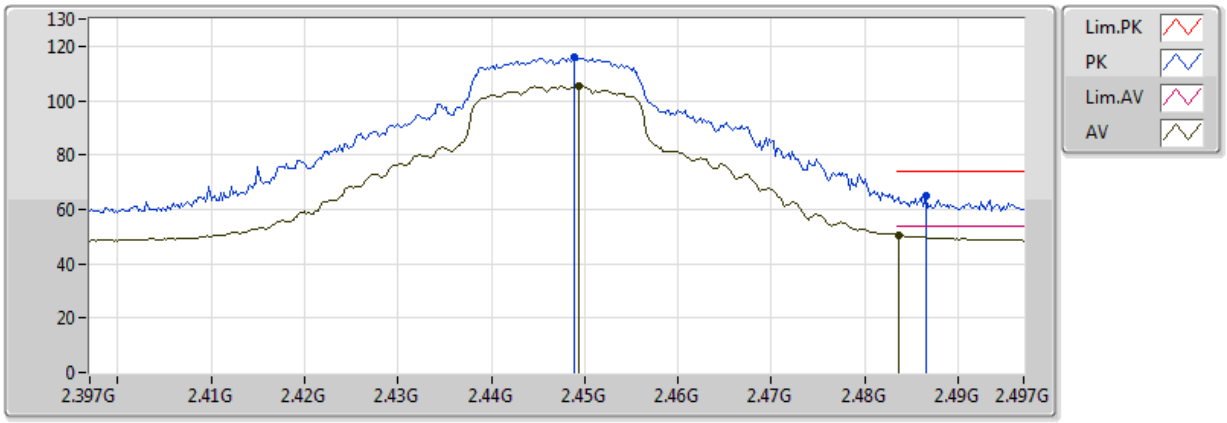


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4464G	105.77	Inf	-Inf	32.32	3	Vertical	221	1.45
AV	2.483502G	52.87	54.00	-1.13	32.45	3	Vertical	221	1.45
PK	2.4462G	115.65	Inf	-Inf	32.32	3	Vertical	221	1.45
PK	2.4862G	71.67	74.00	-2.33	32.45	3	Vertical	221	1.45

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

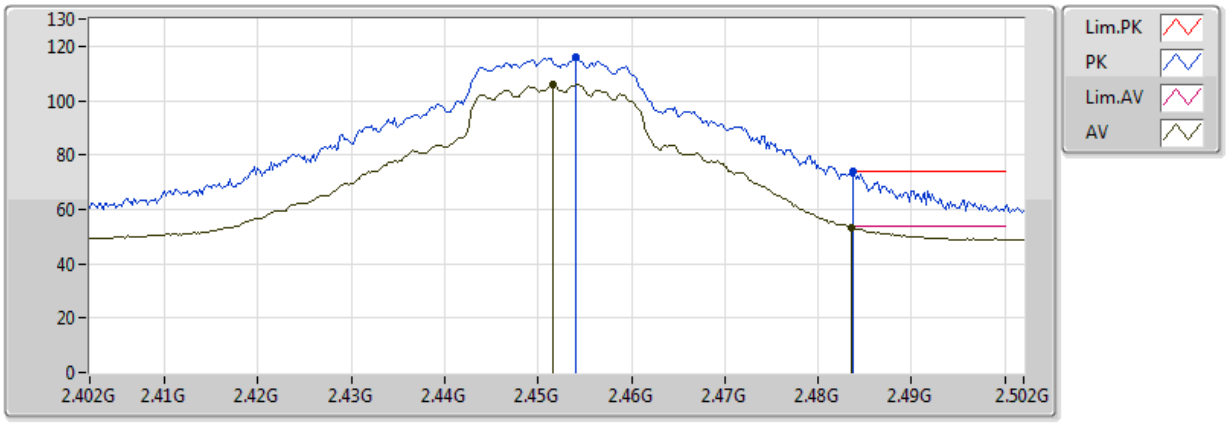


20171204
EUT Y_2TX
Setting 30
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4494G	105.49	Inf	-Inf	32.33	3	Horizontal	280	2.66
AV	2.4836G	50.66	54.00	-3.34	32.45	3	Horizontal	280	2.66
PK	2.4488G	115.90	Inf	-Inf	32.33	3	Horizontal	280	2.66
PK	2.4866G	64.76	74.00	-9.24	32.46	3	Horizontal	280	2.66

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

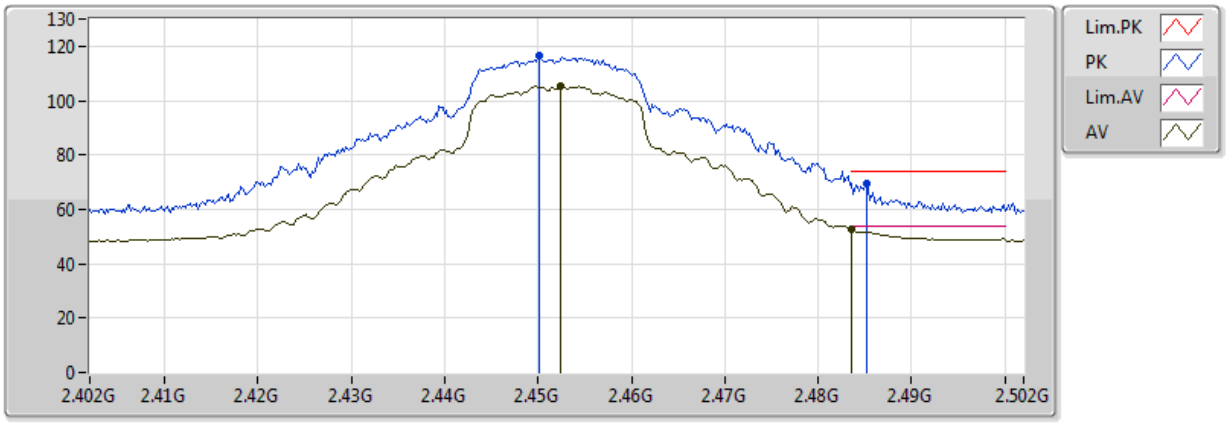


20171204
EUT Y_2TX
Setting 2D
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4516G	106.17	Inf	-Inf	32.34	3	Vertical	161	1.28
AV	2.483502G	53.21	54.00	-0.79	32.45	3	Vertical	161	1.28
PK	2.454G	115.89	Inf	-Inf	32.35	3	Vertical	161	1.28
PK	2.4838G	73.70	74.00	-0.30	32.45	3	Vertical	161	1.28

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

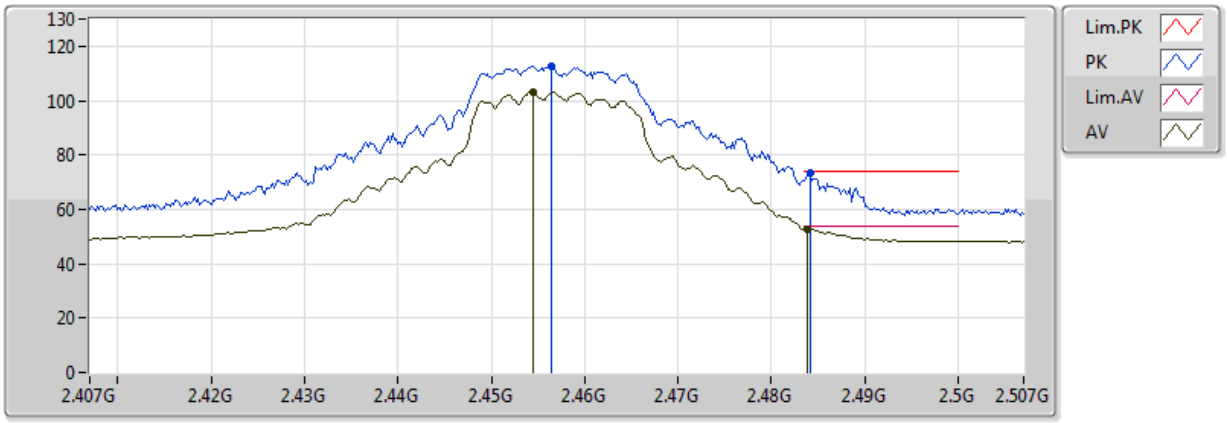


20171204
EUT Y_2TX
Setting 2D
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4524G	105.53	Inf	-Inf	32.34	3	Horizontal	296	2.67
AV	2.4836G	52.68	54.00	-1.32	32.45	3	Horizontal	296	2.67
PK	2.4502G	116.47	Inf	-Inf	32.34	3	Horizontal	296	2.67
PK	2.4852G	69.56	74.00	-4.44	32.45	3	Horizontal	296	2.67

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

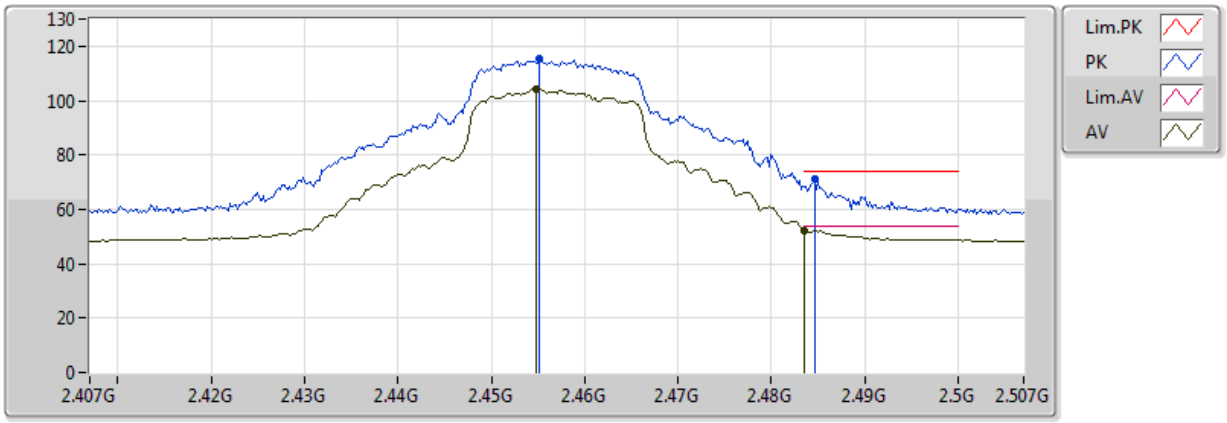


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4544G	103.36	Inf	-Inf	32.35	3	Vertical	176	3.00
AV	2.4838G	52.66	54.00	-1.34	32.45	3	Vertical	176	3.00
PK	2.4564G	112.68	Inf	-Inf	32.36	3	Vertical	176	3.00
PK	2.4842G	73.63	74.00	-0.37	32.45	3	Vertical	176	3.00

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

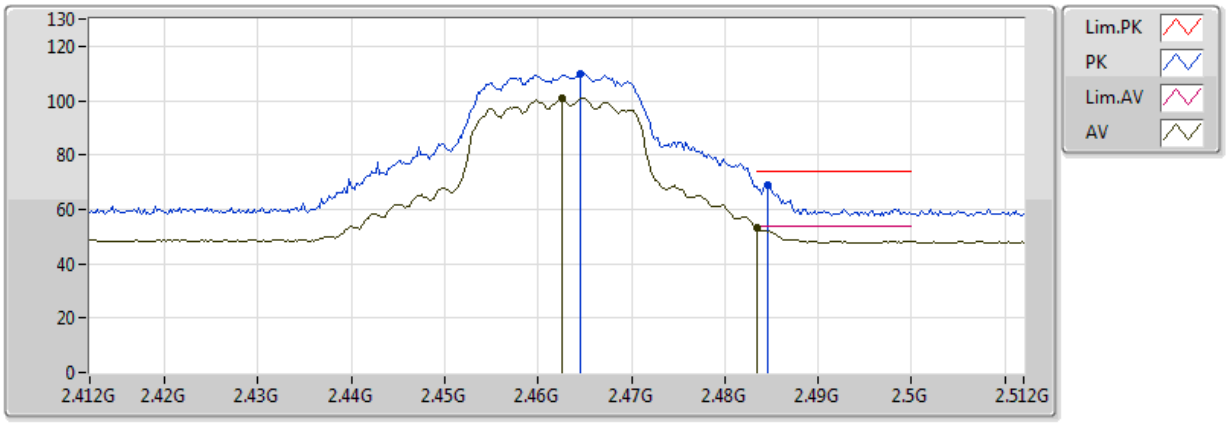


20171204
EUT Y_2TX
Setting 2A
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4548G	104.29	Inf	-Inf	32.35	3	Horizontal	225	2.67
AV	2.483502G	52.05	54.00	-1.95	32.45	3	Horizontal	225	2.67
PK	2.4552G	115.65	Inf	-Inf	32.35	3	Horizontal	225	2.67
PK	2.4846G	70.90	74.00	-3.10	32.45	3	Horizontal	225	2.67

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

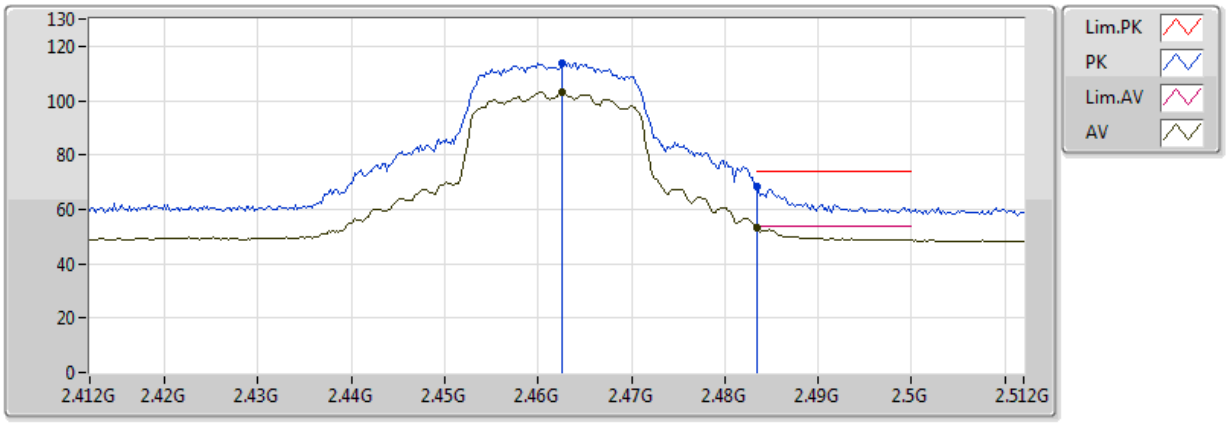


20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4626G	101.00	Inf	-Inf	32.16	3	Vertical	235	1.87
AV	2.483502G	53.38	54.00	-0.62	32.22	3	Vertical	235	1.87
PK	2.4646G	109.95	Inf	-Inf	32.16	3	Vertical	235	1.87
PK	2.4846G	68.92	74.00	-5.08	32.22	3	Vertical	235	1.87

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

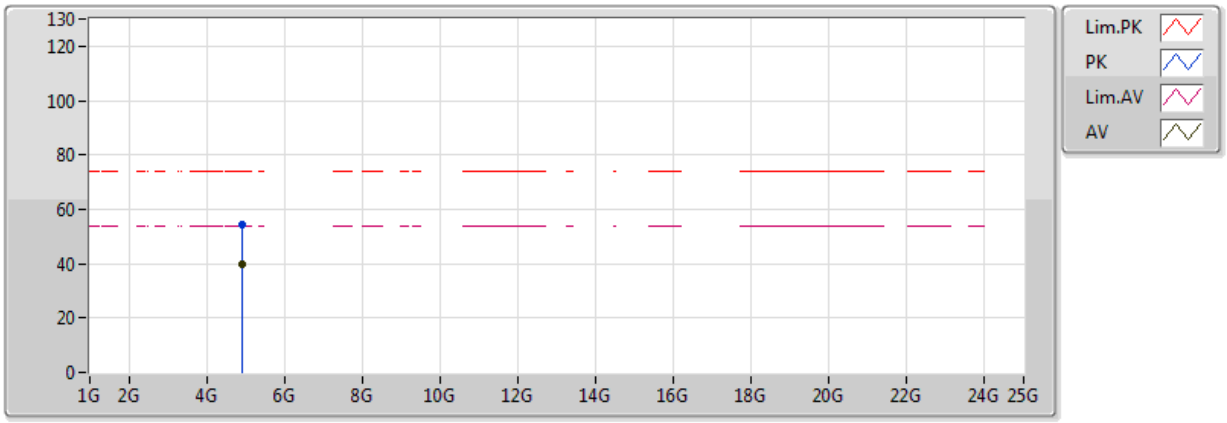


20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.4626G	103.09	Inf	-Inf	32.16	3	Horizontal	252	2.19
AV	2.483502G	53.51	54.00	-0.49	32.22	3	Horizontal	252	2.19
PK	2.4626G	113.85	Inf	-Inf	32.16	3	Horizontal	252	2.19
PK	2.483502G	68.34	74.00	-5.66	32.22	3	Horizontal	252	2.19

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

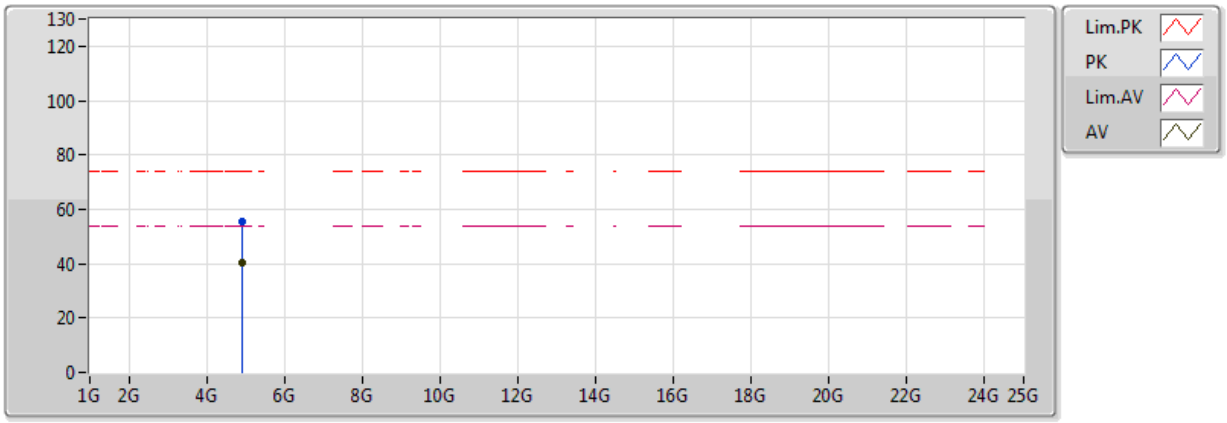


20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.92208G	39.98	54.00	-14.02	8.39	3	Vertical	223	1.50
PK	4.92436G	54.52	74.00	-19.48	8.40	3	Vertical	223	1.50

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

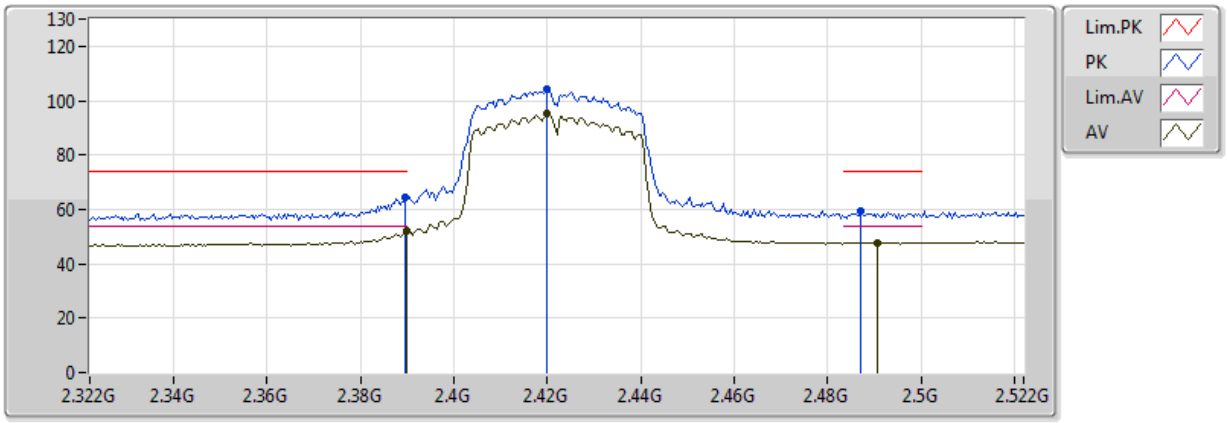


20170913
EUT Y_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.92202G	40.21	54.00	-13.79	8.39	3	Horizontal	344	2.39
PK	4.92442G	55.23	74.00	-18.77	8.40	3	Horizontal	344	2.39

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

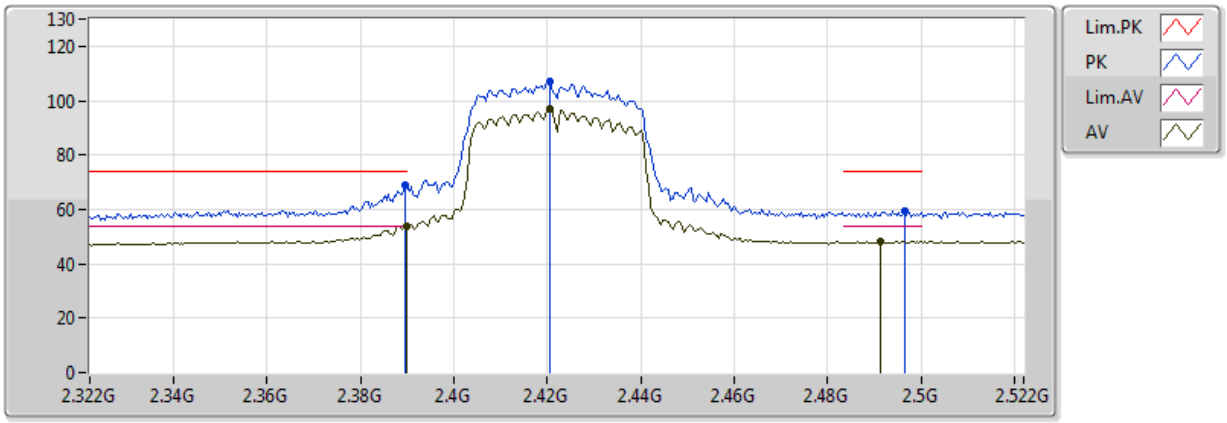


20170913
EUT Y_2TX
Setting 1A
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	52.26	54.00	-1.74	31.94	3	Vertical	237	2.13
AV	2.42G	95.12	Inf	-Inf	32.03	3	Vertical	237	2.13
AV	2.4908G	47.79	54.00	-6.21	32.24	3	Vertical	237	2.13
PK	2.3896G	64.62	74.00	-9.38	31.94	3	Vertical	237	2.13
PK	2.42G	104.39	Inf	-Inf	32.03	3	Vertical	237	2.13
PK	2.4872G	59.38	74.00	-14.62	32.23	3	Vertical	237	2.13

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

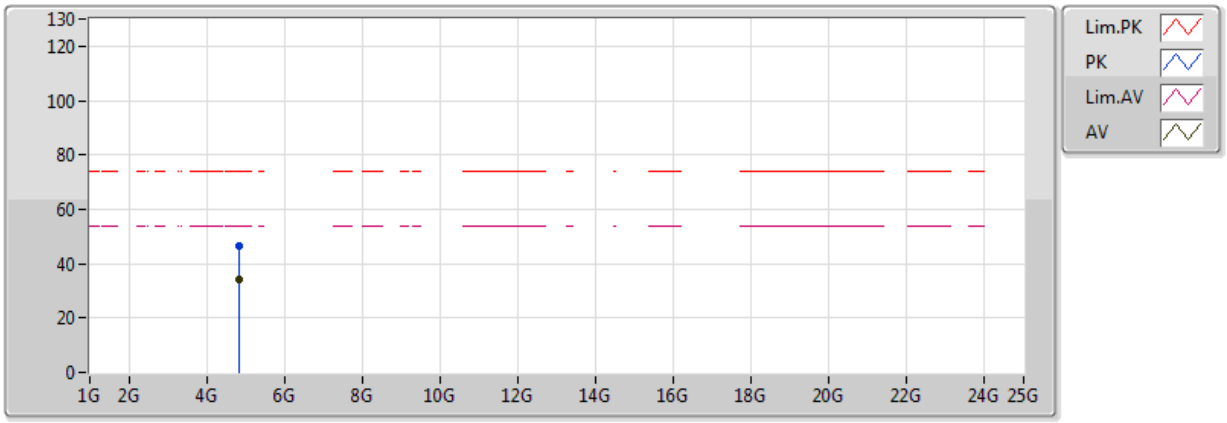


20170913
EUT Y_2TX
Setting 1A
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.39G	53.81	54.00	-0.19	31.94	3	Horizontal	240	2.04
AV	2.4204G	97.00	Inf	-Inf	32.03	3	Horizontal	240	2.04
AV	2.4912G	48.44	54.00	-5.56	32.24	3	Horizontal	240	2.04
PK	2.3896G	68.65	74.00	-5.35	31.94	3	Horizontal	240	2.04
PK	2.4204G	107.22	Inf	-Inf	32.03	3	Horizontal	240	2.04
PK	2.4964G	59.50	74.00	-14.50	32.26	3	Horizontal	240	2.04

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

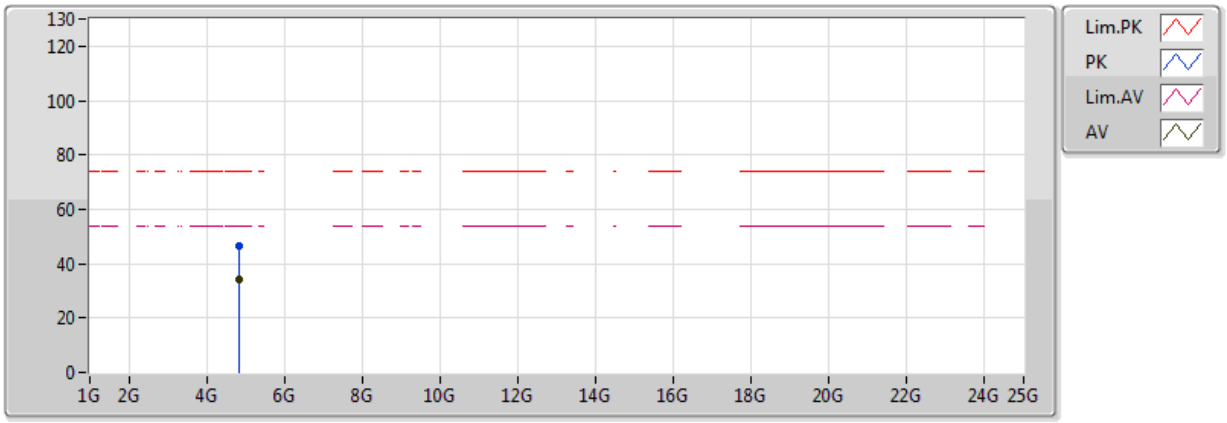


20170913
EUT Y_2TX
Setting 1A
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.84856G	34.19	54.00	-19.81	8.16	3	Vertical	326	1.01
PK	4.8446G	46.53	74.00	-27.47	8.15	3	Vertical	326	1.01

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

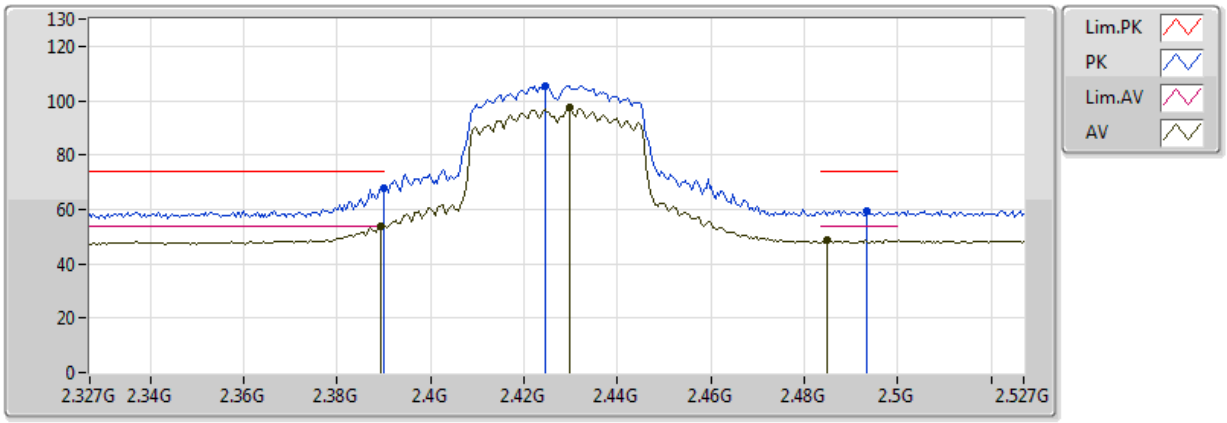


20170913
EUT Y_2TX
Setting 1A
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.83458G	34.35	54.00	-19.65	8.12	3	Horizontal	199	1.05
PK	4.84274G	46.52	74.00	-27.48	8.14	3	Horizontal	199	1.05

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

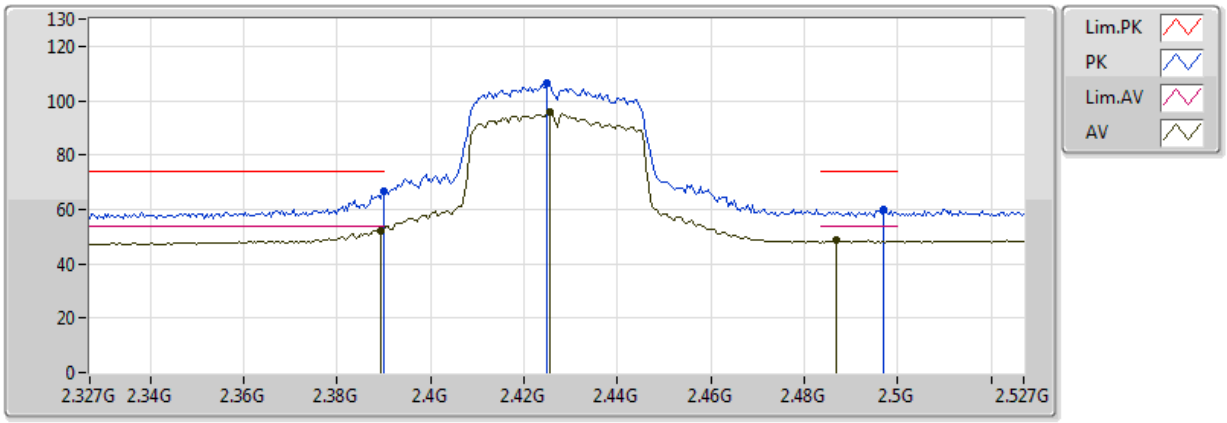


20171204
EUT Y_2TX
Setting 1E
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3894G	53.96	54.00	-0.04	32.14	3	Vertical	229	1.52
AV	2.4298G	97.36	Inf	-Inf	32.27	3	Vertical	229	1.52
AV	2.485G	48.72	54.00	-5.28	32.45	3	Vertical	229	1.52
PK	2.389998G	67.99	74.00	-6.01	32.14	3	Vertical	229	1.52
PK	2.4246G	105.54	Inf	-Inf	32.25	3	Vertical	229	1.52
PK	2.4934G	59.67	74.00	-14.33	32.48	3	Vertical	229	1.52

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

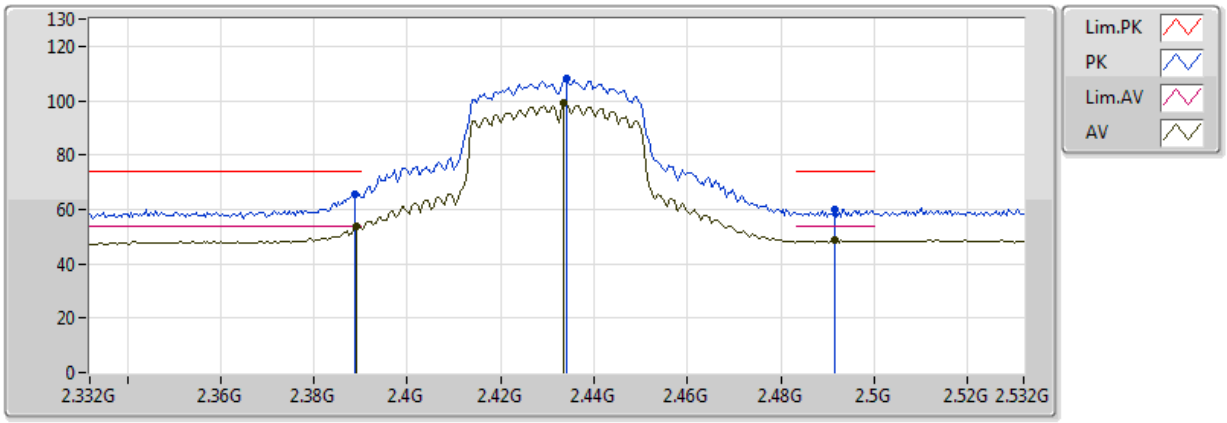


20171204
EUT Y_2TX
Setting 1E
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3894G	52.39	54.00	-1.61	32.14	3	Horizontal	245	1.50
AV	2.4254G	95.85	Inf	-Inf	32.25	3	Horizontal	245	1.50
AV	2.487G	48.58	54.00	-5.42	32.46	3	Horizontal	245	1.50
PK	2.389998G	66.63	74.00	-7.37	32.14	3	Horizontal	245	1.50
PK	2.425G	106.38	Inf	-Inf	32.25	3	Horizontal	245	1.50
PK	2.497G	59.97	74.00	-14.03	32.49	3	Horizontal	245	1.50

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

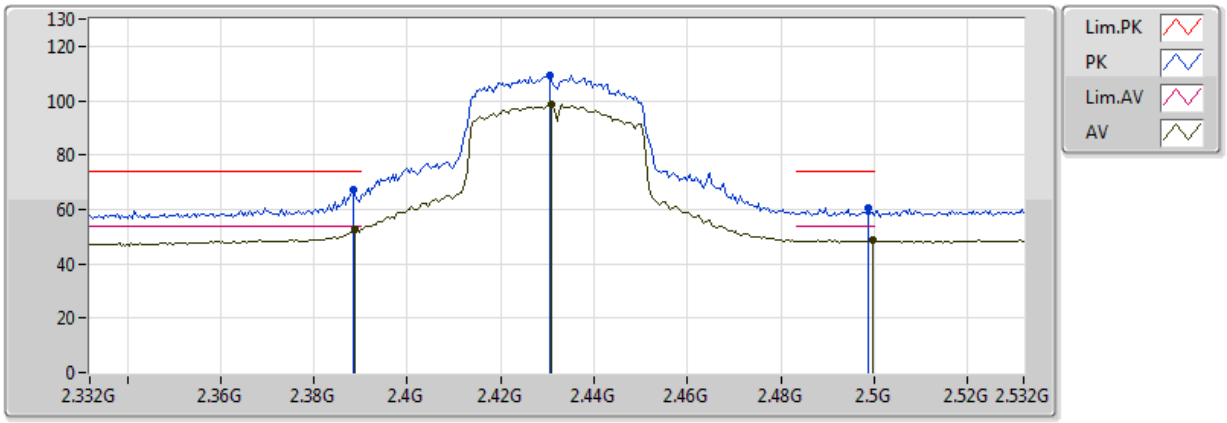


20171204
EUT Y_2TX
Setting 20
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3892G	53.73	54.00	-0.27	32.14	3	Vertical	211	2.78
AV	2.4336G	99.10	Inf	-Inf	32.28	3	Vertical	211	2.78
AV	2.4916G	48.48	54.00	-5.52	32.47	3	Vertical	211	2.78
PK	2.3888G	65.82	74.00	-8.18	32.14	3	Vertical	211	2.78
PK	2.434G	107.94	Inf	-Inf	32.28	3	Vertical	211	2.78
PK	2.4916G	59.92	74.00	-14.08	32.47	3	Vertical	211	2.78

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

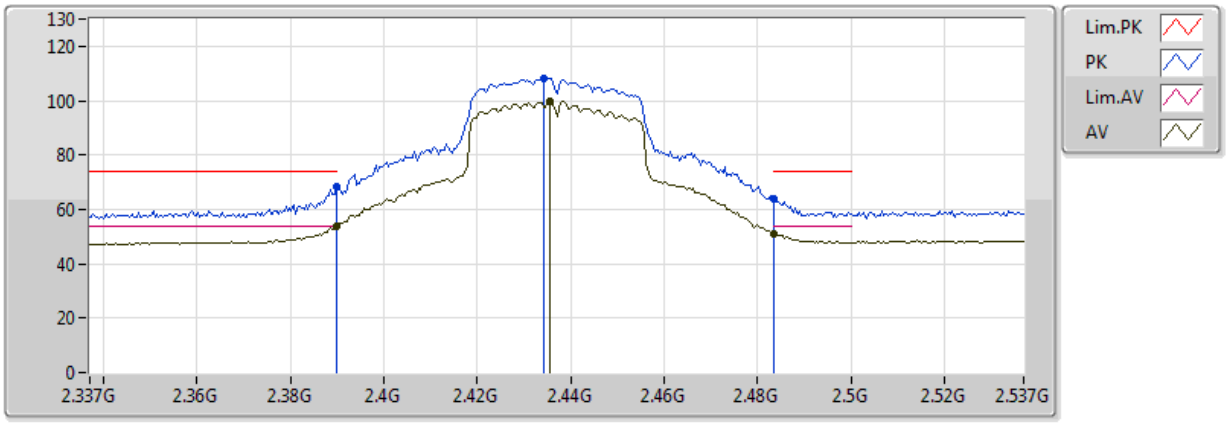


20171204
EUT Y_2TX
Setting 20
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3888G	52.67	54.00	-1.33	32.14	3	Horizontal	246	2.73
AV	2.4308G	98.77	Inf	-Inf	32.27	3	Horizontal	246	2.73
AV	2.4996G	48.61	54.00	-5.39	32.50	3	Horizontal	246	2.73
PK	2.3884G	67.39	74.00	-6.61	32.14	3	Horizontal	246	2.73
PK	2.4304G	109.48	Inf	-Inf	32.27	3	Horizontal	246	2.73
PK	2.4988G	60.46	74.00	-13.54	32.50	3	Horizontal	246	2.73

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

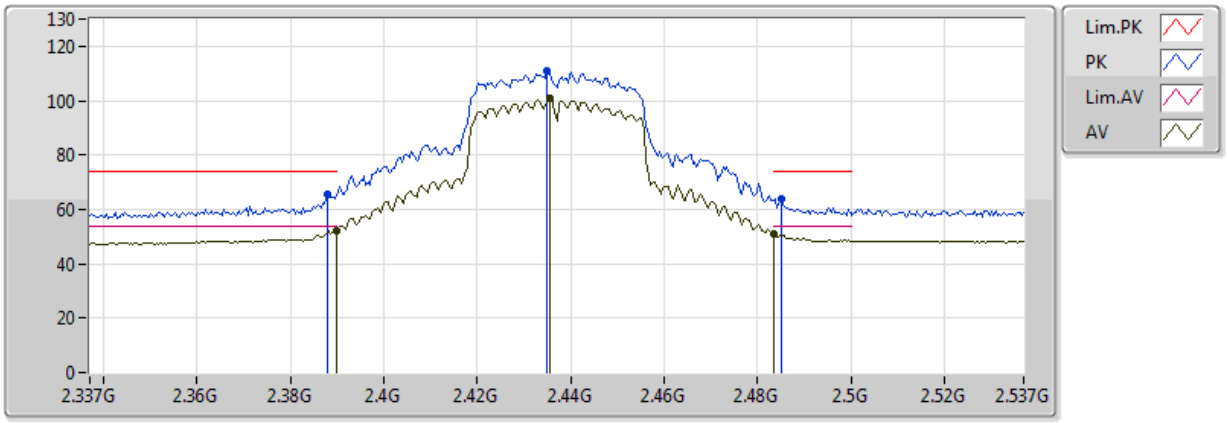


20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.389998G	53.62	54.00	-0.38	31.94	3	Vertical	252	2.63
AV	2.4354G	99.61	Inf	-Inf	32.08	3	Vertical	252	2.63
AV	2.483502G	51.06	54.00	-2.94	32.22	3	Vertical	252	2.63
PK	2.389998G	68.38	74.00	-5.62	31.94	3	Vertical	252	2.63
PK	2.4342G	108.21	Inf	-Inf	32.07	3	Vertical	252	2.63
PK	2.483502G	63.71	74.00	-10.29	32.22	3	Vertical	252	2.63

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

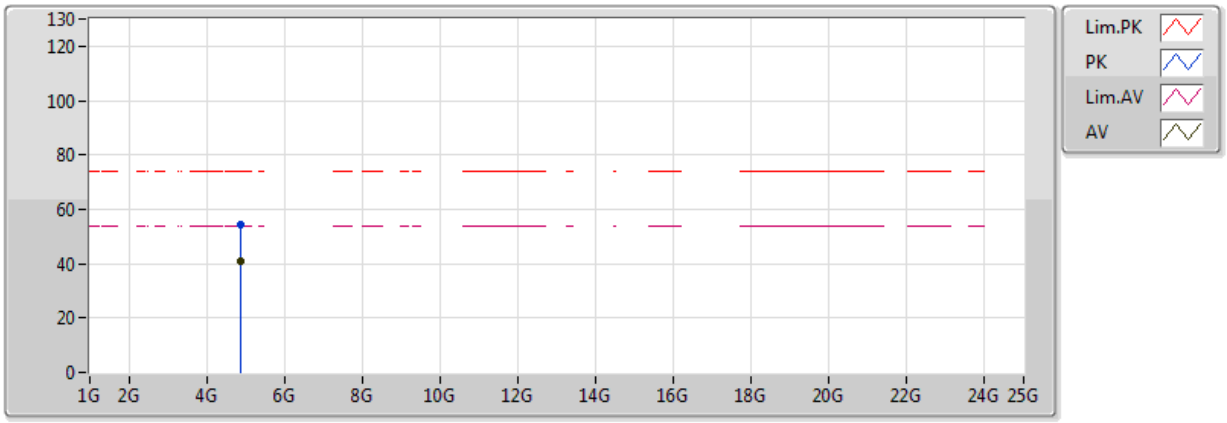


20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.389998G	52.33	54.00	-1.67	31.94	3	Horizontal	238	1.80
AV	2.4354G	101.09	Inf	-Inf	32.08	3	Horizontal	238	1.80
AV	2.483502G	51.26	54.00	-2.74	32.22	3	Horizontal	238	1.80
PK	2.3878G	65.47	74.00	-8.53	31.93	3	Horizontal	238	1.80
PK	2.435G	111.09	Inf	-Inf	32.08	3	Horizontal	238	1.80
PK	2.485G	63.87	74.00	-10.13	32.23	3	Horizontal	238	1.80

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

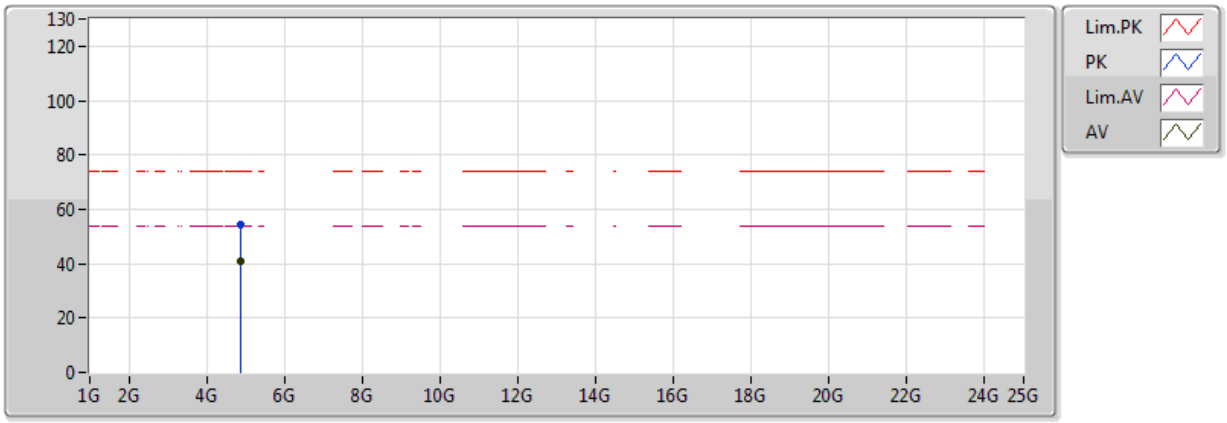


20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.87352G	41.12	54.00	-12.88	8.24	3	Vertical	226	2.26
PK	4.87484G	54.49	74.00	-19.51	8.24	3	Vertical	226	2.26

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

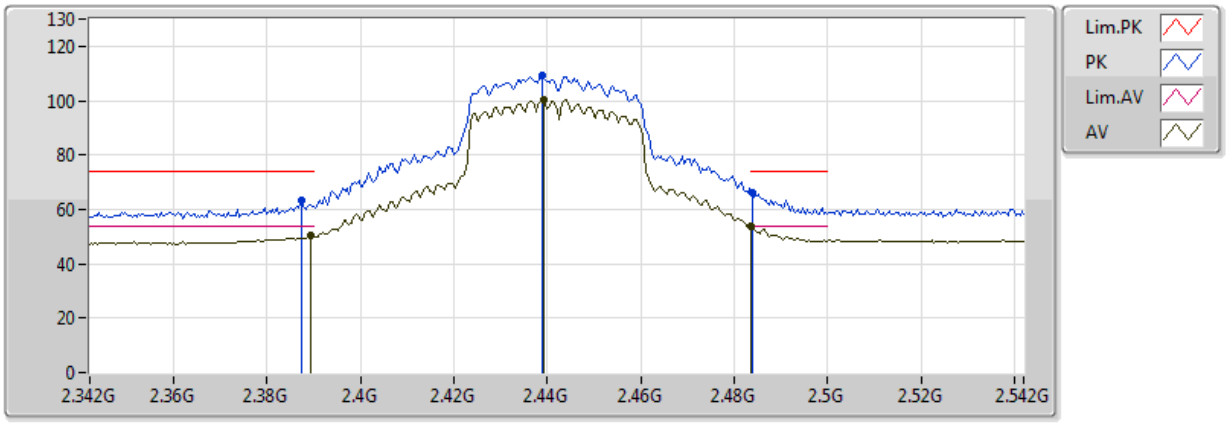


20170913
EUT Y_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.87382G	41.16	54.00	-12.84	8.24	3	Horizontal	162	2.31
PK	4.87472G	54.08	74.00	-19.92	8.24	3	Horizontal	162	2.31

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

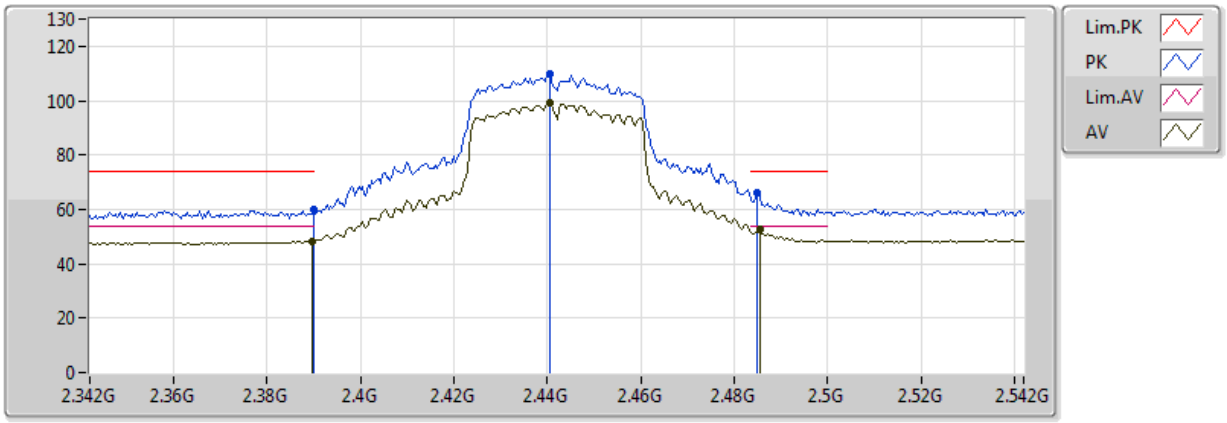


20171204
EUT Y_2TX
Setting 23
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3892G	50.20	54.00	-3.80	32.14	3	Vertical	214	2.76
AV	2.4392G	100.17	Inf	-Inf	32.30	3	Vertical	214	2.76
AV	2.4836G	53.76	54.00	-0.24	32.45	3	Vertical	214	2.76
PK	2.3872G	63.51	74.00	-10.49	32.13	3	Vertical	214	2.76
PK	2.4388G	109.22	Inf	-Inf	32.30	3	Vertical	214	2.76
PK	2.484G	66.11	74.00	-7.89	32.45	3	Vertical	214	2.76

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

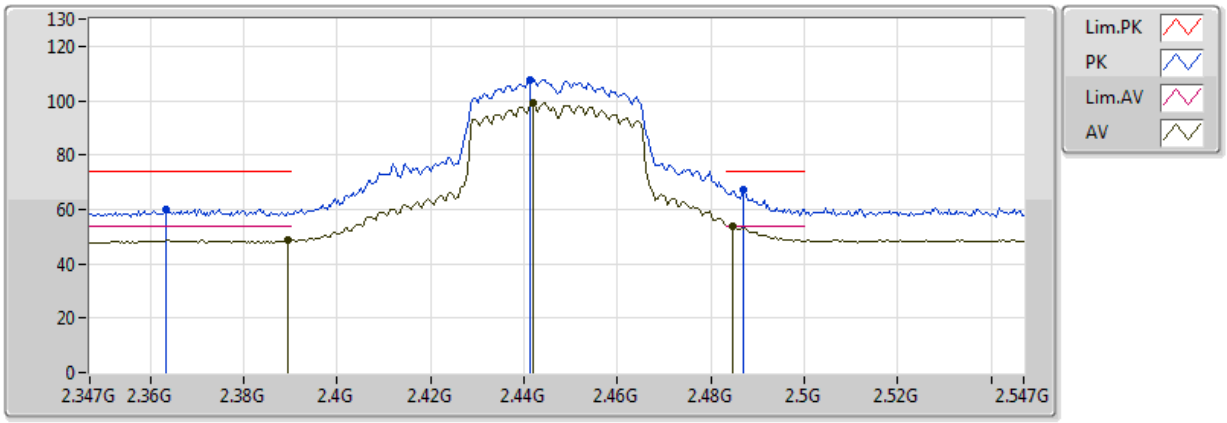


20171204
EUT Y_2TX
Setting 23
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3896G	48.42	54.00	-5.58	32.14	3	Horizontal	228	2.90
AV	2.4404G	99.32	Inf	-Inf	32.30	3	Horizontal	228	2.90
AV	2.4856G	52.41	54.00	-1.59	32.45	3	Horizontal	228	2.90
PK	2.39G	59.69	74.00	-14.31	32.14	3	Horizontal	228	2.90
PK	2.4404G	109.76	Inf	-Inf	32.30	3	Horizontal	228	2.90
PK	2.4848G	66.11	74.00	-7.89	32.45	3	Horizontal	228	2.90

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

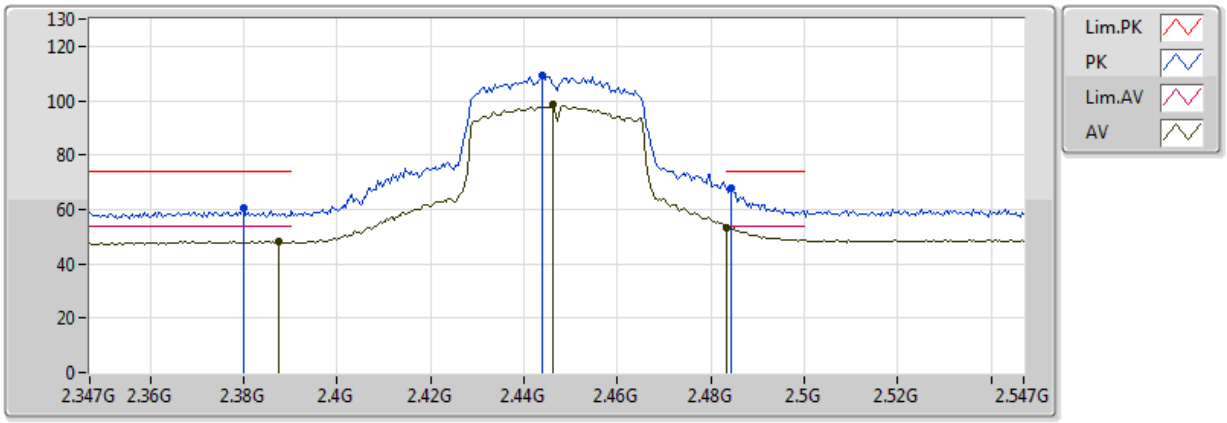


20171204
EUT Y_2TX
Setting 20
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3894G	48.85	54.00	-5.15	32.14	3	Vertical	236	2.29
AV	2.4418G	99.34	Inf	-Inf	32.31	3	Vertical	236	2.29
AV	2.4846G	53.97	54.00	-0.03	32.45	3	Vertical	236	2.29
PK	2.3634G	60.13	74.00	-13.87	32.06	3	Vertical	236	2.29
PK	2.4414G	107.86	Inf	-Inf	32.31	3	Vertical	236	2.29
PK	2.487G	67.16	74.00	-6.84	32.46	3	Vertical	236	2.29

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

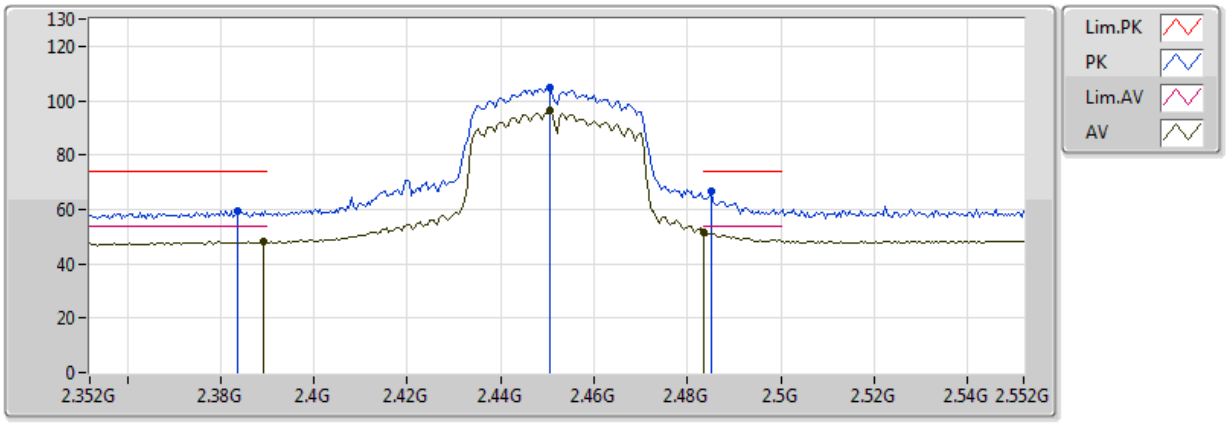


20171204
EUT Y_2TX
Setting 20
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3874G	48.26	54.00	-5.74	32.13	3	Horizontal	263	2.65
AV	2.4462G	98.46	Inf	-Inf	32.32	3	Horizontal	263	2.65
AV	2.483502G	53.26	54.00	-0.74	32.45	3	Horizontal	263	2.65
PK	2.3798G	60.63	74.00	-13.37	32.11	3	Horizontal	263	2.65
PK	2.4438G	109.10	Inf	-Inf	32.31	3	Horizontal	263	2.65
PK	2.4842G	67.60	74.00	-6.40	32.45	3	Horizontal	263	2.65

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

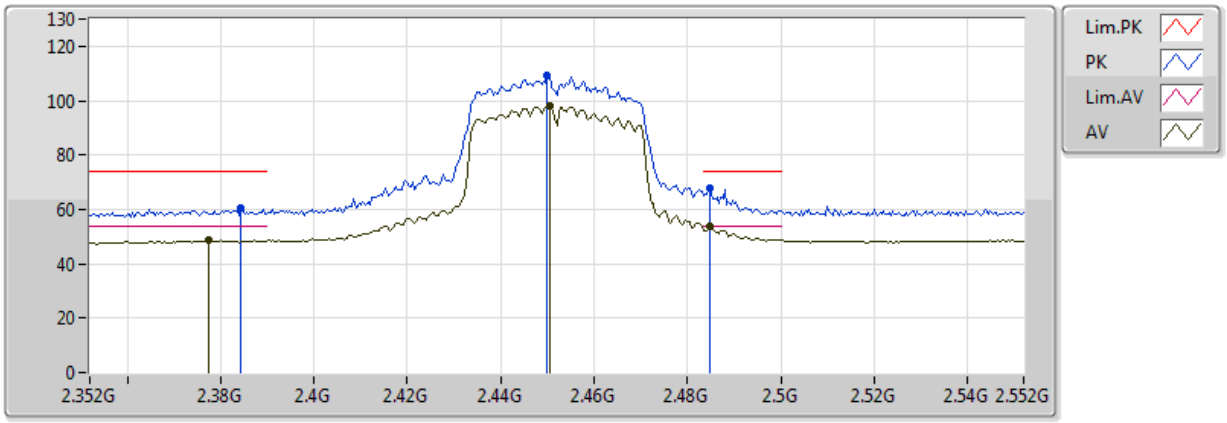


20170913
EUT Y_2TX
Setting 1C
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3892G	48.27	54.00	-5.73	31.94	3	Vertical	234	1.48
AV	2.4504G	96.10	Inf	-Inf	32.12	3	Vertical	234	1.48
AV	2.4836G	51.46	54.00	-2.54	32.22	3	Vertical	234	1.48
PK	2.3836G	59.47	74.00	-14.53	31.92	3	Vertical	234	1.48
PK	2.4504G	105.01	Inf	-Inf	32.12	3	Vertical	234	1.48
PK	2.4852G	66.65	74.00	-7.35	32.23	3	Vertical	234	1.48

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

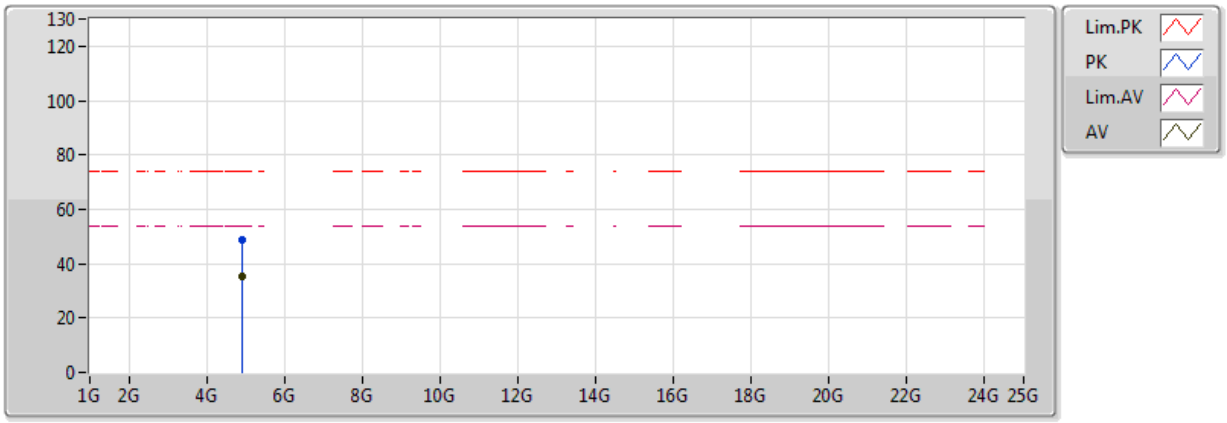


20170913
EUT Y_2TX
Setting 1C
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	2.3776G	48.56	54.00	-5.44	31.90	3	Horizontal	247	2.00
AV	2.4504G	98.01	Inf	-Inf	32.12	3	Horizontal	247	2.00
AV	2.4848G	53.88	54.00	-0.12	32.22	3	Horizontal	247	2.00
PK	2.3844G	60.72	74.00	-13.28	31.92	3	Horizontal	247	2.00
PK	2.45G	109.14	Inf	-Inf	32.12	3	Horizontal	247	2.00
PK	2.4848G	67.79	74.00	-6.21	32.22	3	Horizontal	247	2.00

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

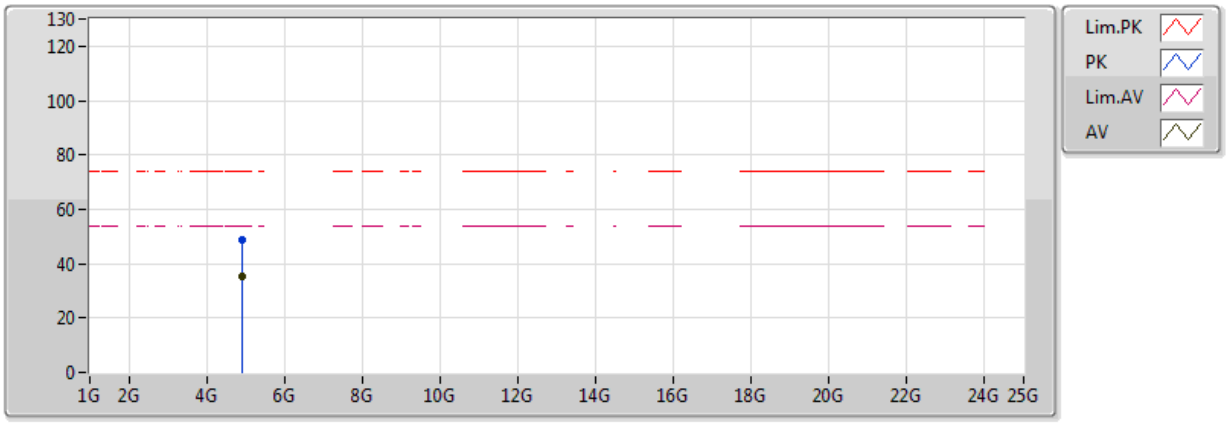


20170913
EUT Y_2TX
Setting 1C
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.90452G	35.24	54.00	-18.76	8.33	3	Vertical	129	2.30
PK	4.9044G	48.79	74.00	-25.21	8.33	3	Vertical	129	2.30

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



20170913
EUT Y_2TX
Setting 1C
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	4.90964G	35.32	54.00	-18.68	8.35	3	Horizontal	20	1.45
PK	4.9048G	48.84	74.00	-25.16	8.33	3	Horizontal	20	1.45