FCC RADIO TEST REPORT

FCC ID	:	2AHKM-HIVE2200
Equipment	:	2x2 DBCC WiFi Extender
Brand Name	:	hitron
Model Name	:	HIXE12AWR
Applicant	:	Hitron Technologies Inc. No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park, Hsinchu 30078, Taiwan
Manufacturer	:	Hitron Technologies Inc. No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park, Hsinchu 30078, Taiwan
Standard	:	47 CFR FCC Part 15.247

The product was received on Jul. 25, 2018, and testing was started from Oct. 05, 2018 and completed on Oct. 31, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Sam Chen

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

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Appendix H. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR862827AA	01	Initial issue of report	Nov. 12, 2018

Summary of Test Result

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

Reviewed by: Sam Chen
Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	P/N	Antenna Type	Connector	Gain (dBi)
1	1	Ethertronics	XE1v2	-	PCB Antenna	I-PEX	Note
2	2	Ethertronics	XE1v2	-	PCB Antenna	I-PEX	
3	1	PSA	-	RFECA3216060A1T	CERAMIC Antenna	N/A	

Note 1:

Ant.	Port	Gain (dBi)			
		WLAN 2.4G	WLAN 5G Band 1	WLAN 5G Band 4	BT
1	1	4.4	4.8	5.5	-
2	2	3.1	3.8	3.8	-
3	1	-	-	-	2.09

Note 2: The EUT has three antennas.

<For 2.4GHz Band>

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz Band>

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth>

For BT function (1TX/1RX)

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.997	0.013	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.963	0.164	2.018m	1k
802.11n HT20	0.961	0.173	1.881m	1k
802.11n HT40	0.944	0.25	921.875u	3k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	artgui (ART2-GUI v2.3)			

1.1.5 Table for EUT support type

Function	support type
AP Router	Master
Extender	Master + Slave
Mesh	Master + Slave

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v05
- FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	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	Paul Chen	25°C / 65%	Oct. 16, 2018~Oct. 22, 2018
Radiated below 1GHz	03CH01-CB	Welson Chen	22°C / 54%	Oct. 31, 2018
Radiated above 1GHz	03CH01-CB	Welson Chen	22°C / 54%	Oct. 12, 2018~Oct. 15, 2018
AC Conduction	CO01-CB	GN Hou	23°C / 59%	Oct. 31, 2018

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
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	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	20.5
2417MHz	21.5
2422MHz	23.5
2427MHz	24
2432MHz	
2437MHz	24
2442MHz	24
2447MHz	23
2452MHz	22.5
2457MHz	20
2462MHz	18
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	14
2417MHz	17.5
2422MHz	19
2427MHz	21
2432MHz	21.5
2437MHz	22
2442MHz	22
2447MHz	20
2452MHz	19
2457MHz	17
2462MHz	13.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	14
2417MHz	17
2422MHz	19
2427MHz	20.5
2432MHz	21
2437MHz	23

Mode	PowerSetting
2442MHz	21
2447MHz	19.5
2452MHz	18
2457MHz	16.5
2462MHz	12.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	10.5
2427MHz	11.5
2432MHz	13
2437MHz	15
2442MHz	13
2447MHz	11
2452MHz	10

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
1	AP Router mode

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	AP Router mode - EUT in Z axis
2	AP Router mode - EUT in Y axis
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at Y axis and Z axis position for Radiated emission test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis - WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA862827 for Co-location RF Exposure Evaluation.	

Note1: The EUT supports AP Router、Extender and Mesh mode, only AP Router mode was tested and recorded in this test report for customer's request.

Note2: All the specification of test configurations and test modes were based on customer's request. For normal link mode, the bluetooth function doesn't work.

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

N/A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*3	DELL	E6430	N/A

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

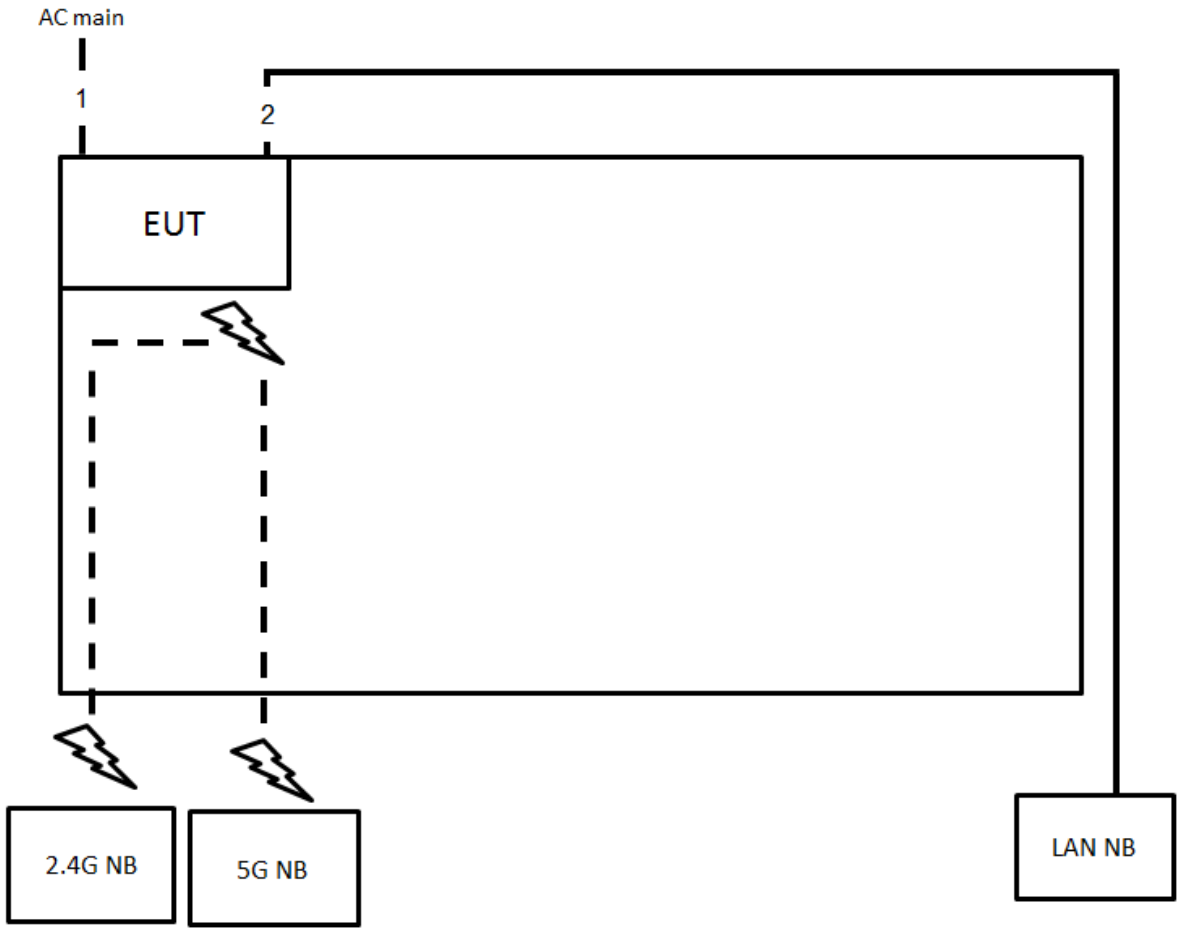
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*3	DELL	E4300	N/A

For Test Site No: 03CH01-CB (above 1GHz) and TH01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	N/A

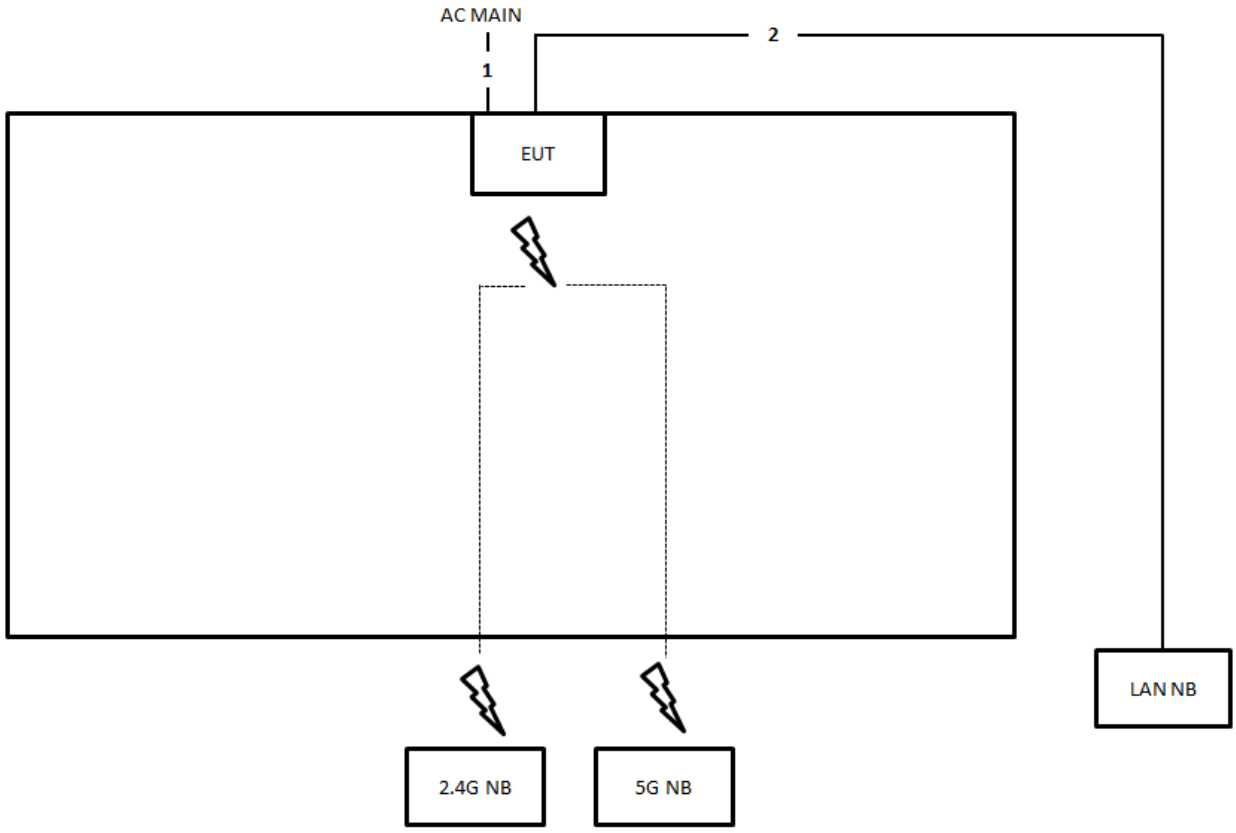
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



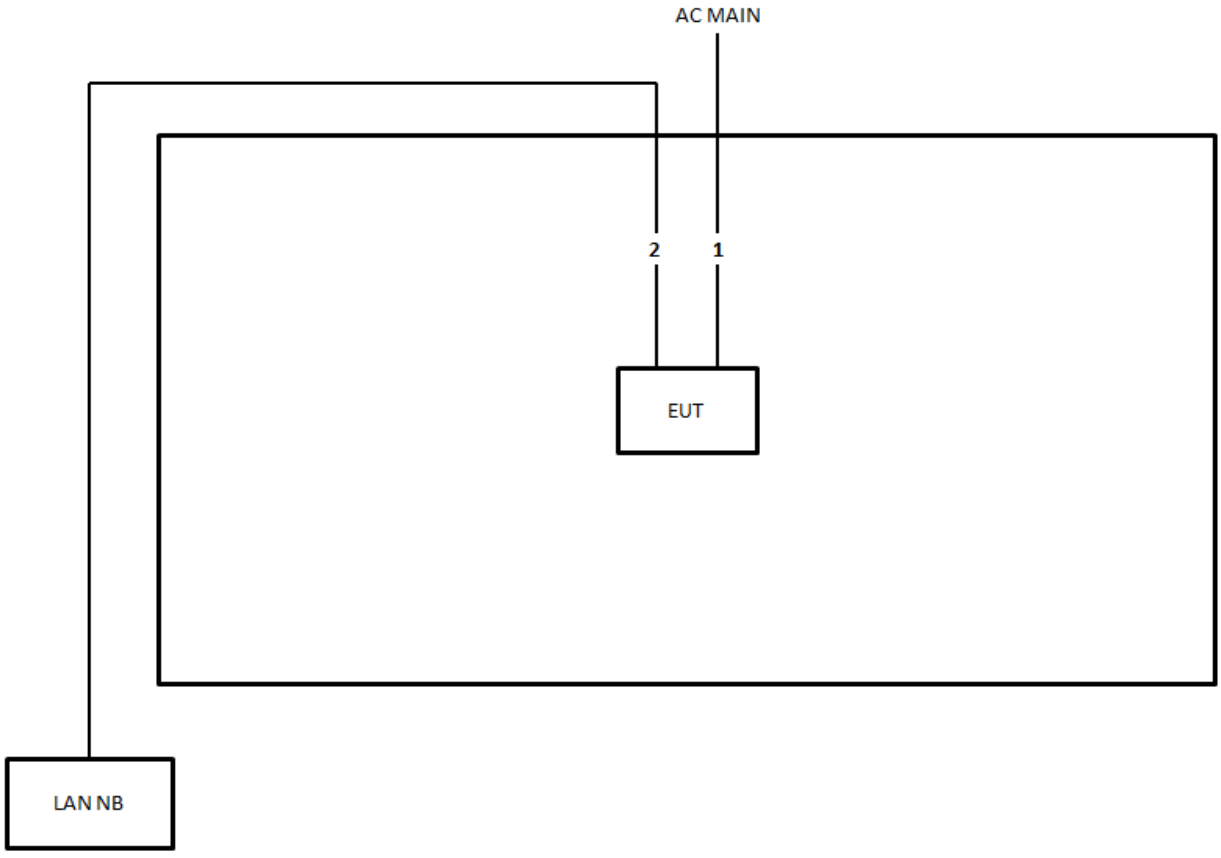
Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

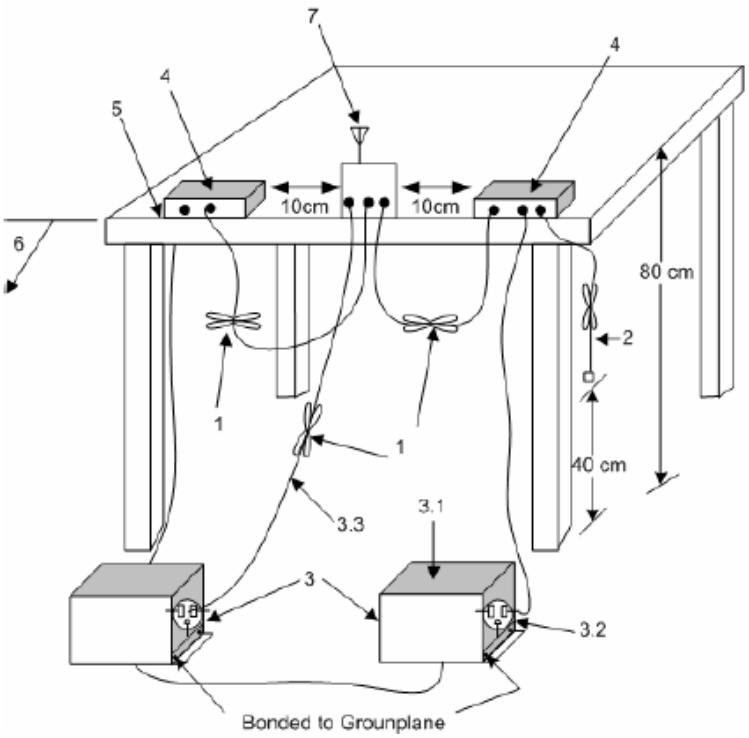
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ 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.

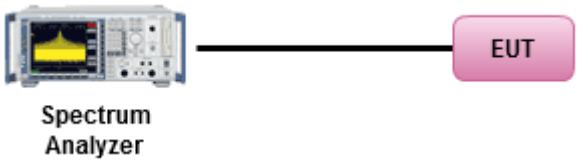
3.2.2 Measuring Instruments

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 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 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.		

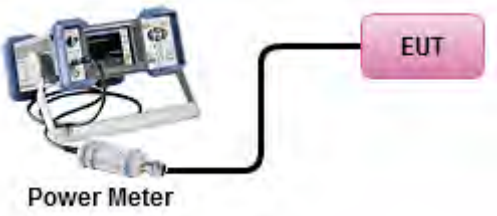
3.3.2 Measuring Instruments

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 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ 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

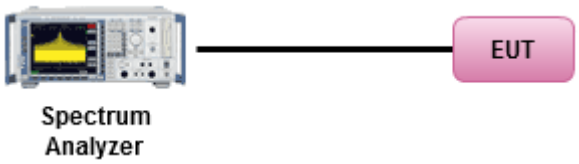
Refer a test equipment and calibration data table in this test report.

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 8.4 & C63.10 clause 11.10.2 Method PKPSD.
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-3A. (alternative)
▪ 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.	

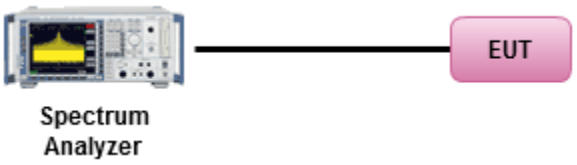
3.5.2 Measuring Instruments

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 8.5 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.

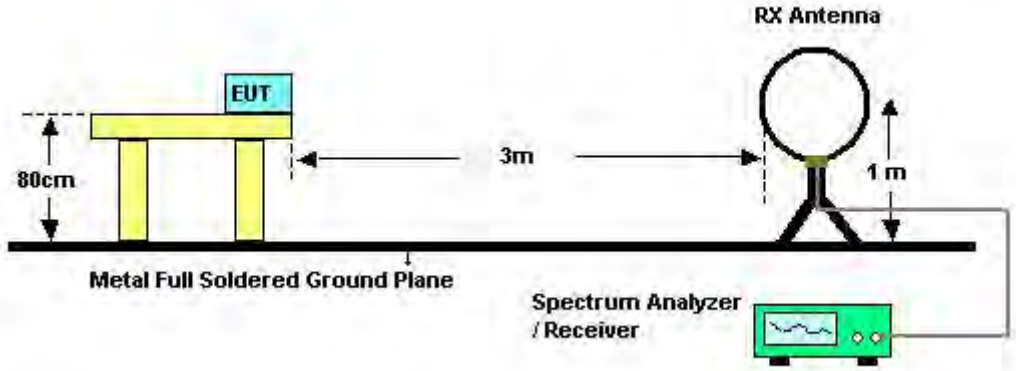
3.6.3 Test Procedures

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 8.6 for unwanted emissions into restricted bands.		
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).	
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).	
		☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(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 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.	
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & c63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.		
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ 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.		

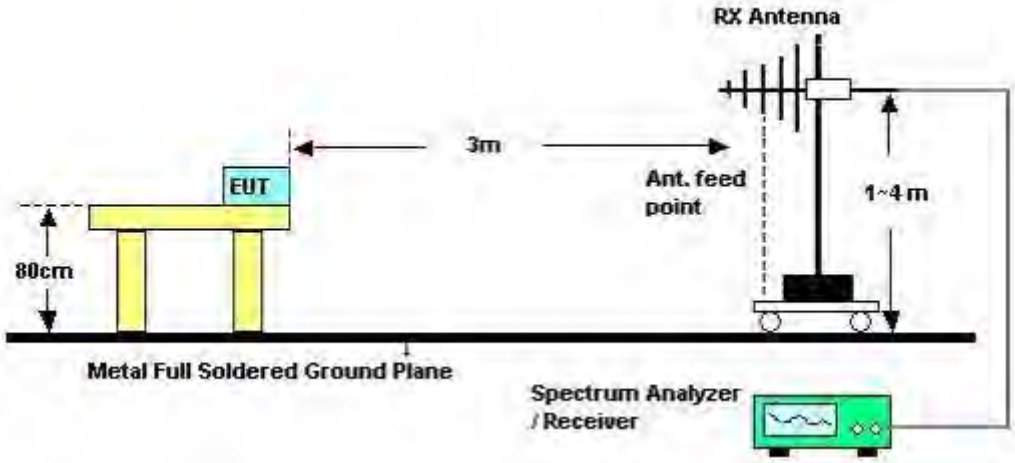
3.6.4 Test Setup

Transmitter Radiated Emissions

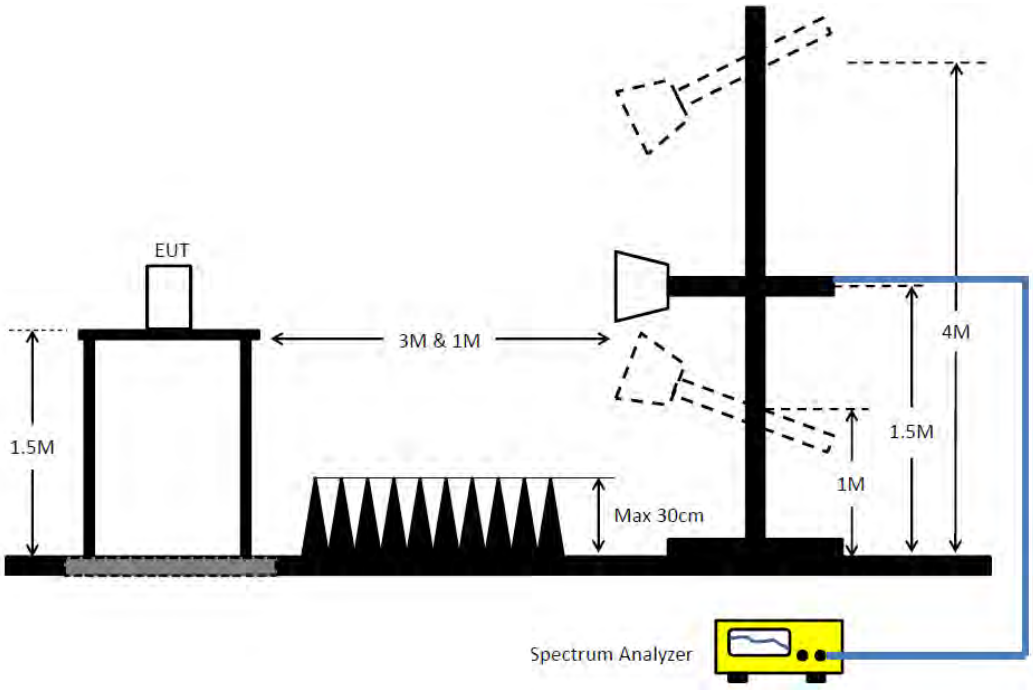
9kHz ~30MHz



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

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

4 Test Equipment and Calibration Data

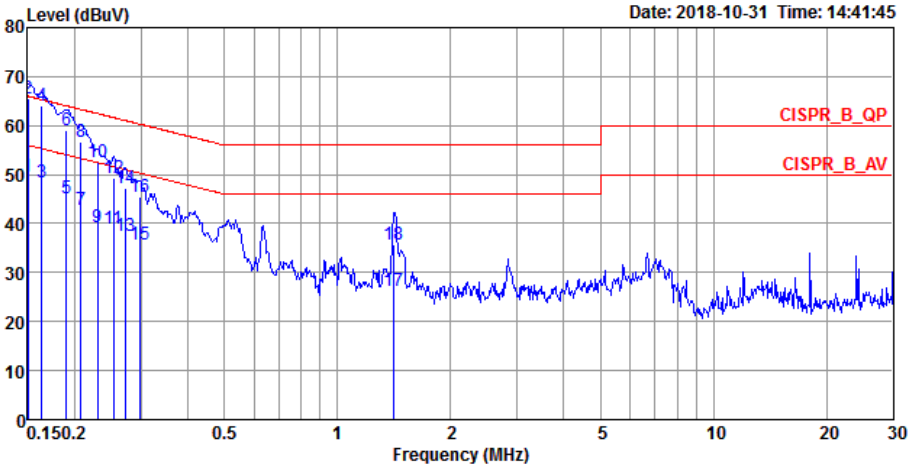
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 31, 2018	Jan. 30, 2019	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Dec. 20, 2017	Dec. 19, 2018	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 29, 2017	Dec. 28, 2018	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	150kHz ~ 30MHz	May 22, 2018	May 21, 2019	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	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	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	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	100354	9kHz ~ 2.75GHz	Dec. 08, 2017	Dec. 07, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

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

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

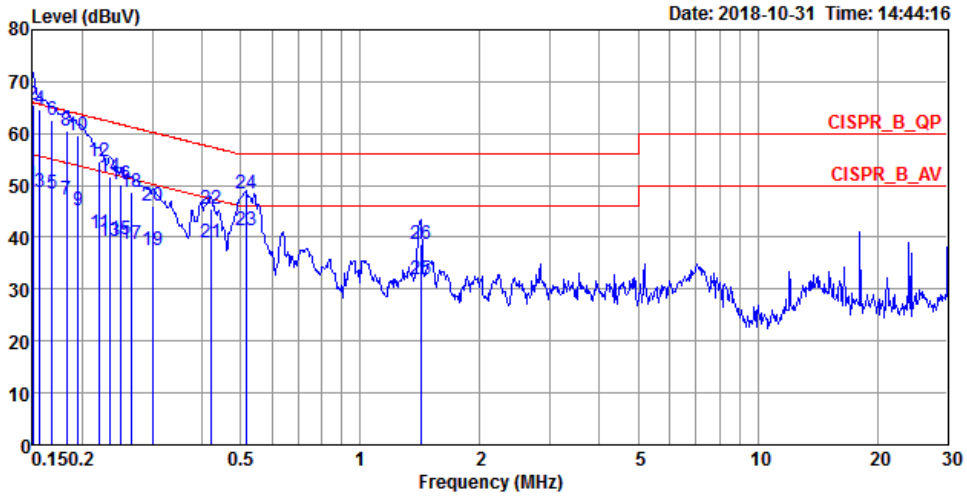
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	AP Router mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	49.66	-6.34	56.00	39.59	9.91	0.16	Average	LINE
2	0.1500	65.51	-0.49	66.00	55.44	9.91	0.16	QP	LINE
3	0.1633	48.46	-6.84	55.30	38.39	9.91	0.16	Average	LINE
4	0.1633	63.98	-1.32	65.30	53.91	9.91	0.16	QP	LINE
5	0.1904	45.15	-8.87	54.02	35.10	9.91	0.14	Average	LINE
6	0.1904	59.07	-4.95	64.02	49.02	9.91	0.14	QP	LINE
7	0.2072	42.84	-10.48	53.32	32.79	9.91	0.14	Average	LINE
8	0.2072	56.70	-6.62	63.32	46.65	9.91	0.14	QP	LINE
9	0.2304	39.27	-13.17	52.44	29.22	9.91	0.14	Average	LINE
10	0.2304	52.56	-9.88	62.44	42.51	9.91	0.14	QP	LINE
11	0.2535	39.09	-12.55	51.64	29.05	9.91	0.13	Average	LINE
12	0.2535	49.34	-12.30	61.64	39.30	9.91	0.13	QP	LINE
13	0.2730	37.47	-13.56	51.03	27.43	9.91	0.13	Average	LINE
14	0.2730	47.27	-13.76	61.03	37.23	9.91	0.13	QP	LINE
15	0.2971	35.76	-14.56	50.32	25.72	9.91	0.13	Average	LINE
16	0.2971	45.34	-14.98	60.32	35.30	9.91	0.13	QP	LINE
17	1.4162	26.14	-19.86	46.00	15.97	9.95	0.22	Average	LINE
18	1.4162	35.83	-20.17	56.00	25.66	9.95	0.22	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.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	AP Router mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	50.05	-5.95	56.00	39.97	9.92	0.16	Average	NEUTRAL
2	0.1500	65.49	-0.51	66.00	55.41	9.92	0.16	QP	NEUTRAL
3	0.1565	48.82	-6.83	55.65	38.74	9.92	0.16	Average	NEUTRAL
4	0.1565	64.61	-1.04	65.65	54.53	9.92	0.16	QP	NEUTRAL
5	0.1677	48.38	-6.70	55.08	38.31	9.92	0.15	Average	NEUTRAL
6	0.1677	62.61	-2.47	65.08	52.54	9.92	0.15	QP	NEUTRAL
7	0.1825	47.16	-7.21	54.37	37.09	9.92	0.15	Average	NEUTRAL
8	0.1825	60.48	-3.89	64.37	50.41	9.92	0.15	QP	NEUTRAL
9	0.1955	45.19	-8.61	53.80	35.13	9.92	0.14	Average	NEUTRAL
10	0.1955	59.61	-4.19	63.80	49.55	9.92	0.14	QP	NEUTRAL
11	0.2208	40.77	-12.02	52.79	30.71	9.92	0.14	Average	NEUTRAL
12	0.2208	54.60	-8.19	62.79	44.54	9.92	0.14	QP	NEUTRAL
13	0.2341	39.28	-13.02	52.30	29.22	9.92	0.14	Average	NEUTRAL
14	0.2341	51.73	-10.57	62.30	41.67	9.92	0.14	QP	NEUTRAL
15	0.2508	39.52	-12.21	51.73	29.47	9.92	0.13	Average	NEUTRAL
16	0.2508	50.12	-11.61	61.73	40.07	9.92	0.13	QP	NEUTRAL
17	0.2658	38.66	-12.59	51.25	28.61	9.92	0.13	Average	NEUTRAL
18	0.2658	48.60	-12.65	61.25	38.55	9.92	0.13	QP	NEUTRAL
19	0.3003	37.52	-12.72	50.24	27.47	9.92	0.13	Average	NEUTRAL
20	0.3003	45.94	-14.30	60.24	35.89	9.92	0.13	QP	NEUTRAL
21	0.4215	39.04	-8.38	47.42	29.00	9.92	0.12	Average	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**	Neutral
Operating Function	AP Router mode		

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
22	0.4215	45.34	-12.08	57.42	35.30	9.92	0.12	QP	NEUTRAL
23	0.5182	41.22	-4.78	46.00	31.16	9.92	0.14	Average	NEUTRAL
24	0.5182	48.39	-7.61	56.00	38.33	9.92	0.14	Peak	NEUTRAL
25	1.4182	31.92	-14.08	46.00	21.75	9.95	0.22	Average	NEUTRAL
26	1.4182	38.65	-17.35	56.00	28.48	9.95	0.22	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.)

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	8.55M	16.842M	16M8G1D	7.025M	14.018M
802.11g_Nss1,(6Mbps)_2TX	16M	25.087M	25M1D1D	13.775M	16.267M
802.11n HT20_Nss1,(MCS0)_2TX	16.25M	27.736M	27M7D1D	15M	17.466M
802.11n HT40_Nss1,(MCS0)_2TX	31.25M	36.382M	36M4D1D	26.3M	35.732M

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

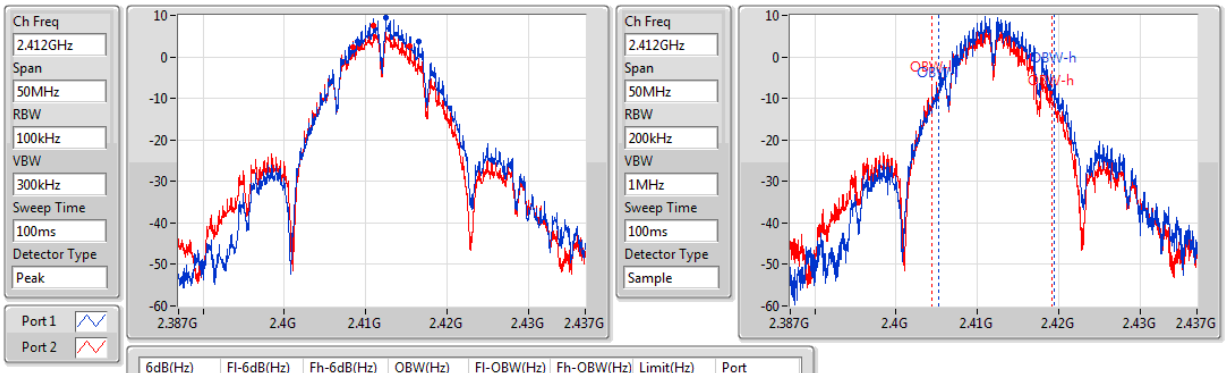
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.55M	14.268M	7.025M	14.693M
2437MHz	Pass	500k	8M	16.842M	8.55M	16.467M
2462MHz	Pass	500k	7.05M	14.118M	7.5M	14.018M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.625M	16.267M	15.025M	16.442M
2437MHz	Pass	500k	16M	23.663M	15.025M	25.087M
2462MHz	Pass	500k	13.775M	16.367M	14.975M	16.367M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.075M	17.466M	15.025M	17.516M
2437MHz	Pass	500k	15.05M	26.512M	16.25M	27.736M
2462MHz	Pass	500k	15.2M	17.466M	15M	17.491M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	27.45M	35.732M	28.8M	35.782M
2437MHz	Pass	500k	26.3M	36.132M	31.25M	36.382M
2452MHz	Pass	500k	27.45M	35.832M	30M	35.932M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

16/10/2018

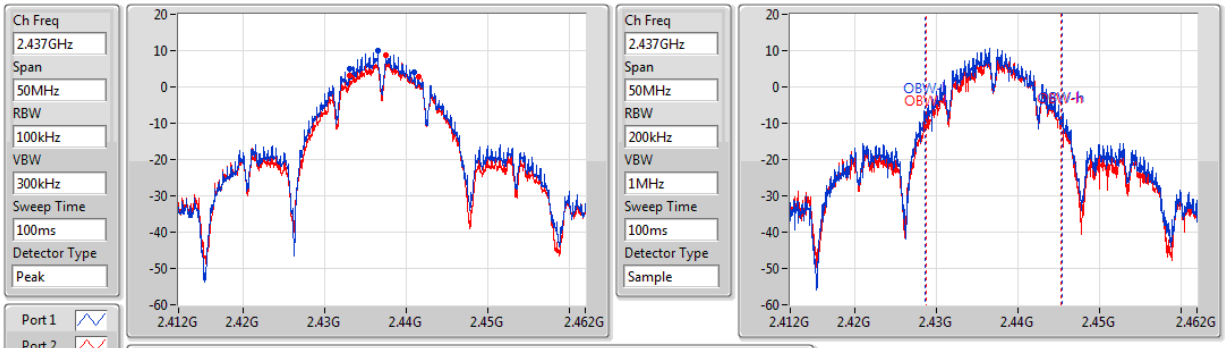


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.40895G	2.4165G	14.268M	2.405228G	2.419496G	500k	1
7.025M	2.40845G	2.415475G	14.693M	2.404454G	2.419146G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

16/10/2018

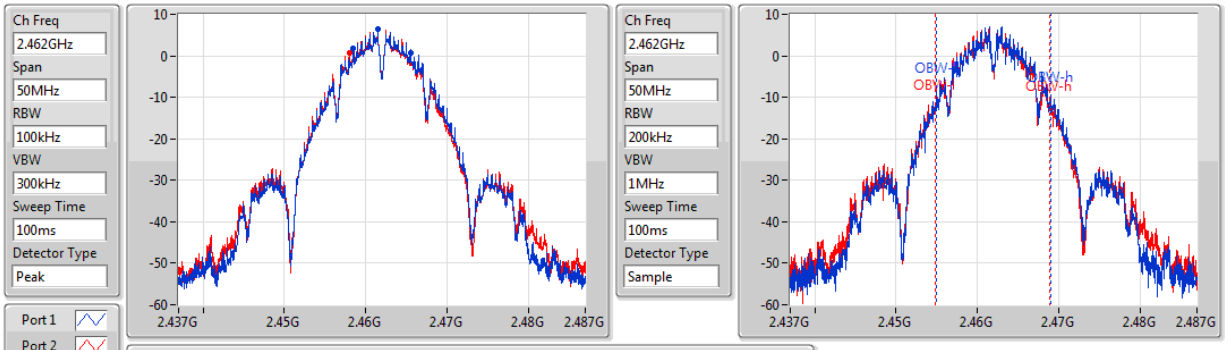


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.432975G	2.440975G	16.842M	2.428529G	2.445371G	500k	1
8.55M	2.432975G	2.441525G	16.467M	2.428754G	2.445221G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

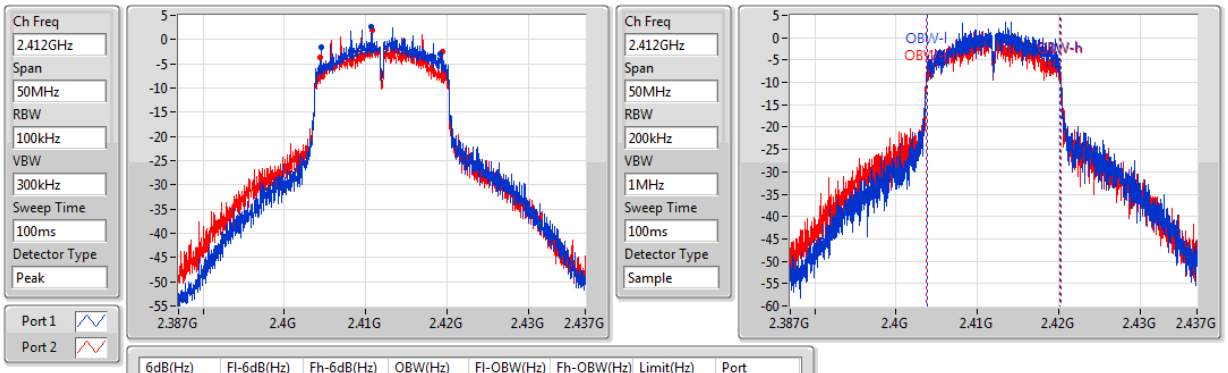
16/10/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458475G	2.465525G	14.118M	2.454954G	2.469071G	500k	1
7.5M	2.458G	2.4655G	14.018M	2.454854G	2.468872G	500k	2

802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

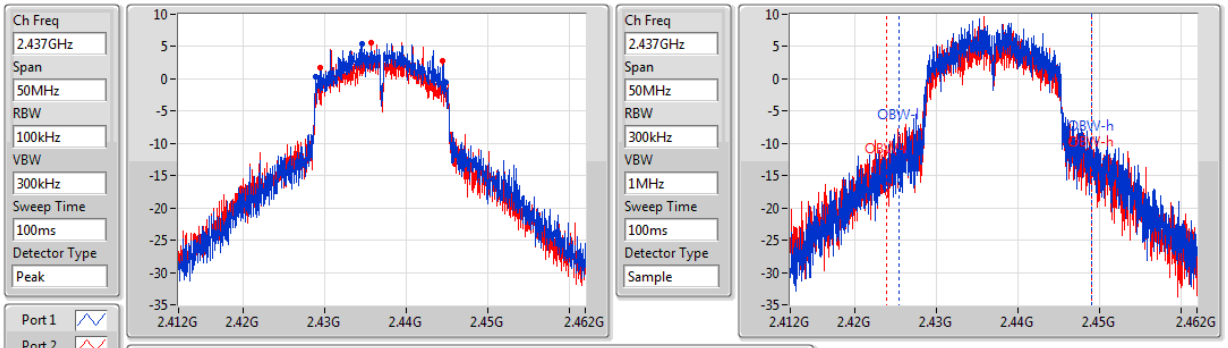
16/10/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.625M	2.4045G	2.419125G	16.267M	2.403879G	2.420146G	500k	1
15.025M	2.40445G	2.419475G	16.442M	2.403779G	2.420221G	500k	2

802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

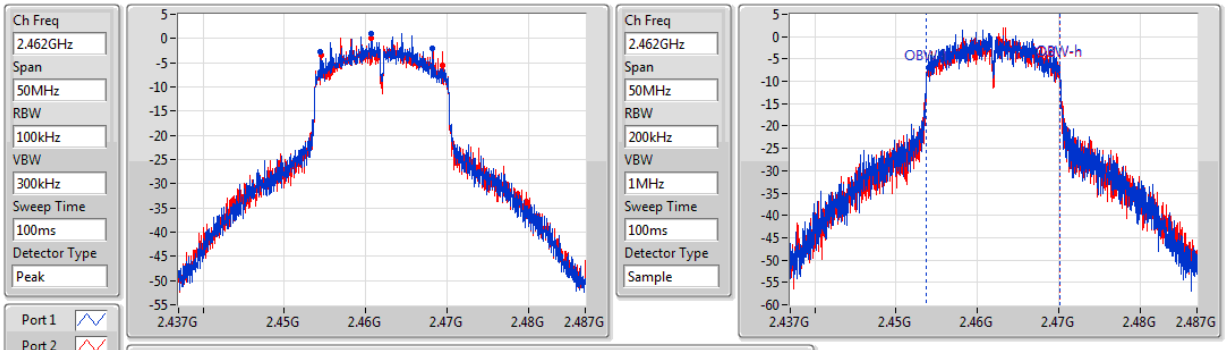
16/10/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16M	2.42885G	2.44485G	23.663M	2.425431G	2.449094G	500k	1
15.025M	2.42945G	2.444475G	25.087M	2.423907G	2.448994G	500k	2

802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

16/10/2018

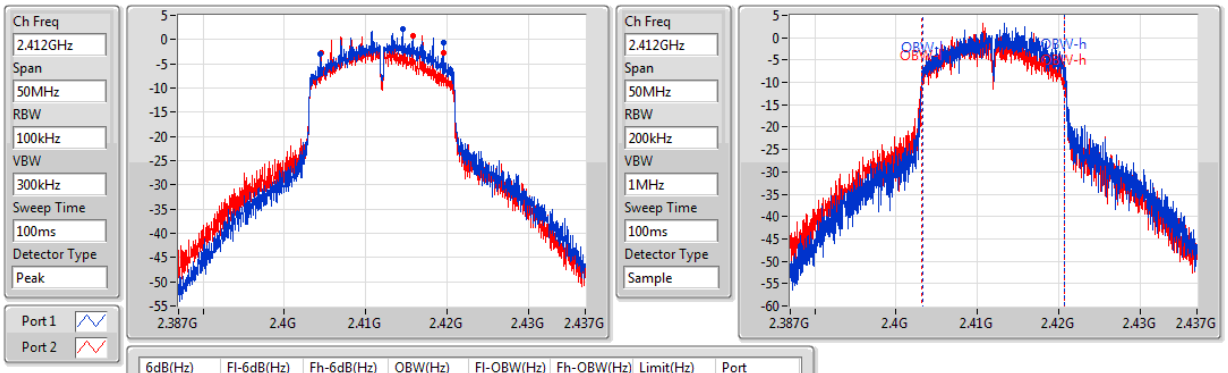


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.775M	2.454475G	2.46825G	16.367M	2.453779G	2.470146G	500k	1
14.975M	2.454525G	2.4695G	16.367M	2.453779G	2.470146G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

16/10/2018

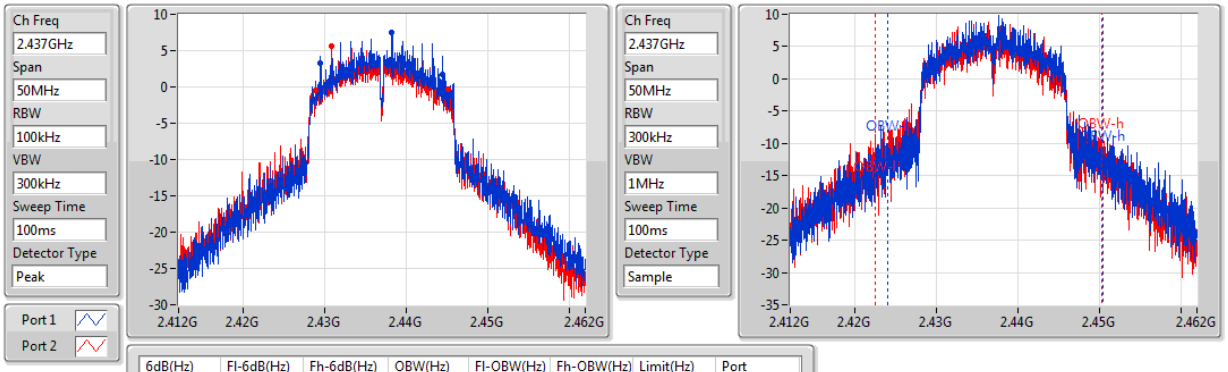


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.40445G	2.419525G	17.466M	2.403304G	2.420771G	500k	1
15.025M	2.4045G	2.419525G	17.516M	2.403204G	2.420721G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

16/10/2018

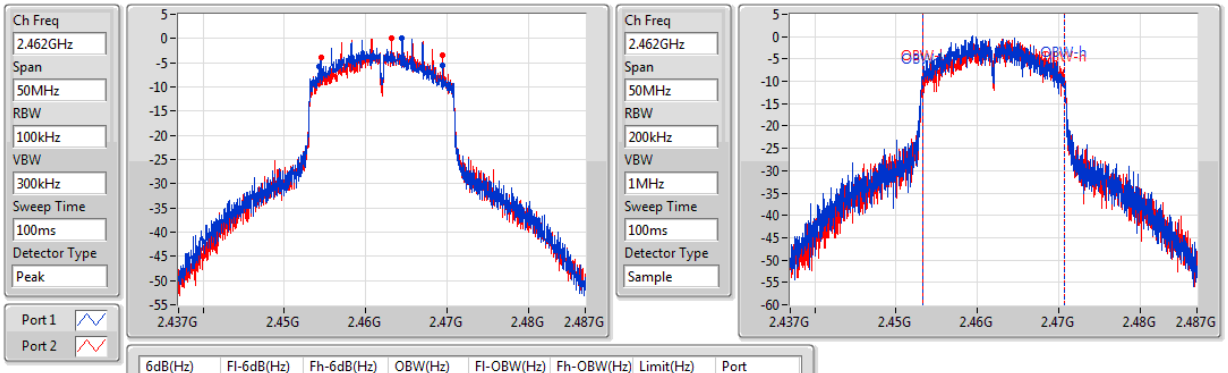


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.42945G	2.4445G	26.512M	2.423932G	2.450443G	500k	1
16.25M	2.42885G	2.4451G	27.736M	2.422507G	2.450243G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

16/10/2018

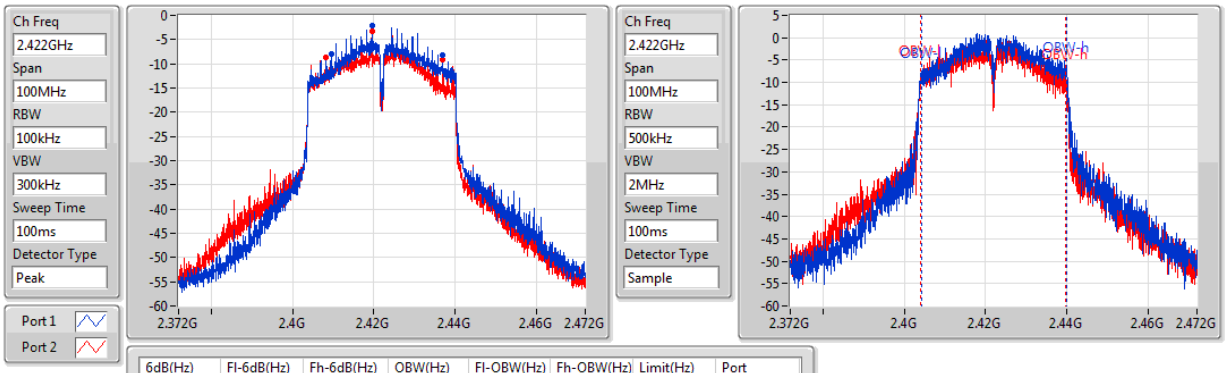


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.2M	2.45425G	2.46945G	17.466M	2.453229G	2.470696G	500k	1
15M	2.4545G	2.4695G	17.491M	2.453229G	2.470721G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2422MHz

16/10/2018

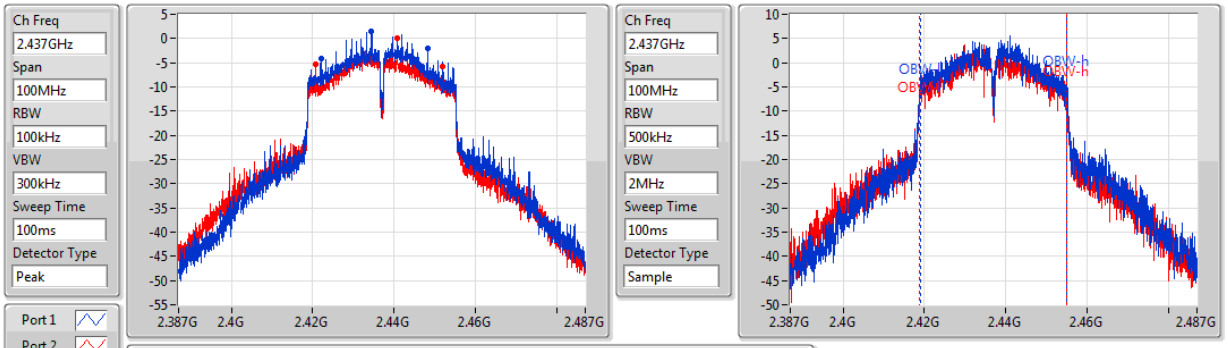


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.45M	2.4095G	2.43695G	35.732M	2.404209G	2.439941G	500k	1
28.8M	2.4082G	2.437G	35.782M	2.404009G	2.439791G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2437MHz

16/10/2018

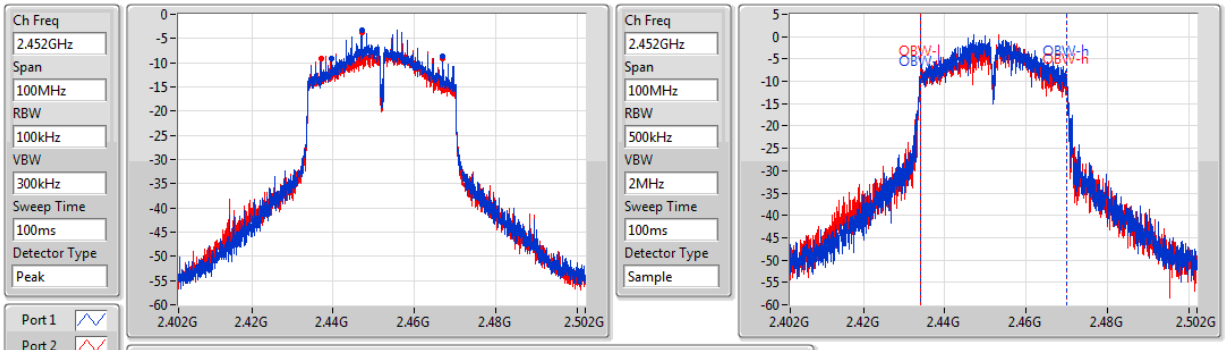


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.3M	2.422G	2.4483G	36.132M	2.418909G	2.455041G	500k	1
31.25M	2.4207G	2.45195G	36.382M	2.418659G	2.455041G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz

16/10/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.45M	2.43955G	2.467G	35.832M	2.434009G	2.469841G	500k	1
30M	2.437G	2.467G	35.932M	2.433959G	2.469891G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	22.81	0.19099
802.11g_Nss1,(6Mbps)_2TX	22.00	0.15849
802.11n HT20_Nss1,(MCS0)_2TX	22.57	0.18072
802.11n HT40_Nss1,(MCS0)_2TX	17.64	0.05808

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.40	18.89	17.12	21.10	30.00
2417MHz	Pass	4.40	19.76	17.67	21.85	30.00
2422MHz	Pass	4.40	20.31	18.70	22.59	30.00
2427MHz	Pass	4.40	20.14	19.30	22.75	30.00
2437MHz	Pass	4.40	20.19	19.37	22.81	30.00
2442MHz	Pass	4.40	20.25	19.30	22.81	30.00
2447MHz	Pass	4.40	19.63	18.86	22.27	30.00
2452MHz	Pass	4.40	19.12	18.52	21.84	30.00
2457MHz	Pass	4.40	17.79	17.47	20.64	30.00
2462MHz	Pass	4.40	16.19	15.94	19.08	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.40	14.03	13.14	16.62	30.00
2417MHz	Pass	4.40	16.90	15.40	19.22	30.00
2422MHz	Pass	4.40	17.01	15.85	19.48	30.00
2427MHz	Pass	4.40	18.77	17.83	21.34	30.00
2432MHz	Pass	4.40	19.25	18.33	21.82	30.00
2437MHz	Pass	4.40	19.37	18.58	22.00	30.00
2442MHz	Pass	4.40	19.31	18.07	21.74	30.00
2447MHz	Pass	4.40	18.26	17.68	20.99	30.00
2452MHz	Pass	4.40	17.44	16.90	20.19	30.00
2457MHz	Pass	4.40	15.69	15.68	18.70	30.00
2462MHz	Pass	4.40	12.91	13.19	16.06	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.40	13.59	12.79	16.22	30.00
2417MHz	Pass	4.40	16.40	14.67	18.63	30.00
2422MHz	Pass	4.40	17.94	16.29	20.20	30.00
2427MHz	Pass	4.40	18.68	17.39	21.09	30.00
2432MHz	Pass	4.40	18.99	18.09	21.57	30.00
2437MHz	Pass	4.40	19.70	19.42	22.57	30.00
2442MHz	Pass	4.40	18.72	17.98	21.38	30.00
2447MHz	Pass	4.40	17.79	17.20	20.52	30.00
2452MHz	Pass	4.40	16.49	16.25	19.38	30.00
2457MHz	Pass	4.40	15.18	15.12	18.16	30.00
2462MHz	Pass	4.40	12.24	12.27	15.27	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2422MHz	Pass	4.40	11.76	10.69	14.27	30.00
2427MHz	Pass	4.40	12.26	11.44	14.88	30.00
2432MHz	Pass	4.40	13.52	12.95	16.25	30.00
2437MHz	Pass	4.40	14.96	14.27	17.64	30.00
2442MHz	Pass	4.40	13.17	12.85	16.02	30.00
2447MHz	Pass	4.40	11.36	11.24	14.31	30.00
2452MHz	Pass	4.40	10.48	10.36	13.43	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	-3.02
802.11g_Nss1,(6Mbps)_2TX	-5.00
802.11n HT20_Nss1,(MCS0)_2TX	-4.78
802.11n HT40_Nss1,(MCS0)_2TX	-12.07

RBW=3kHz.

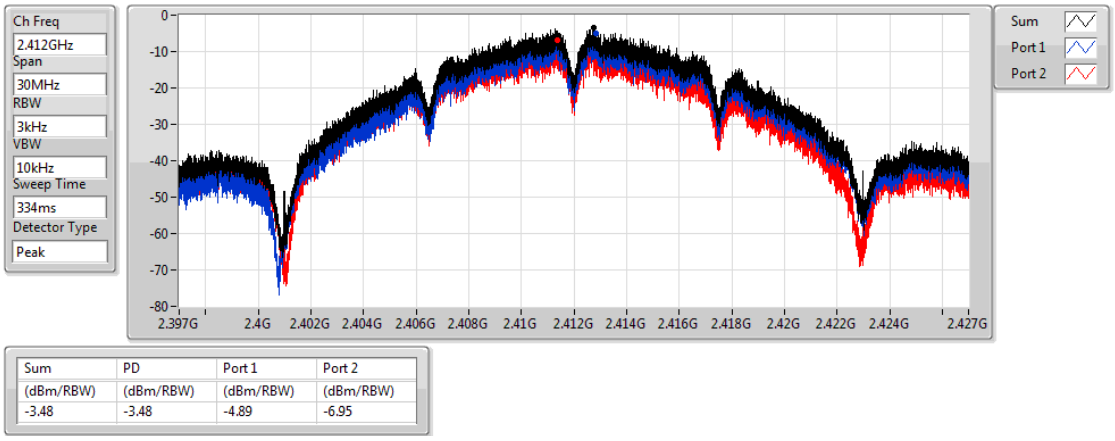
Result

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	6.78	-4.89	-6.95	-3.48	7.22
2437MHz	Pass	6.78	-4.87	-5.49	-3.02	7.22
2462MHz	Pass	6.78	-7.88	-8.02	-5.13	7.22
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.78	-10.90	-12.58	-10.13	7.22
2437MHz	Pass	6.78	-5.99	-8.42	-5.00	7.22
2462MHz	Pass	6.78	-13.35	-13.23	-11.22	7.22
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.78	-11.79	-13.22	-10.25	7.22
2437MHz	Pass	6.78	-6.37	-7.46	-4.78	7.22
2462MHz	Pass	6.78	-14.17	-14.58	-12.51	7.22
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.78	-15.12	-16.97	-14.51	7.22
2437MHz	Pass	6.78	-13.13	-14.74	-12.07	7.22
2452MHz	Pass	6.78	-17.70	-17.95	-15.94	7.22

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

802.11b_Nss1,(1Mbps)_2TX PSD

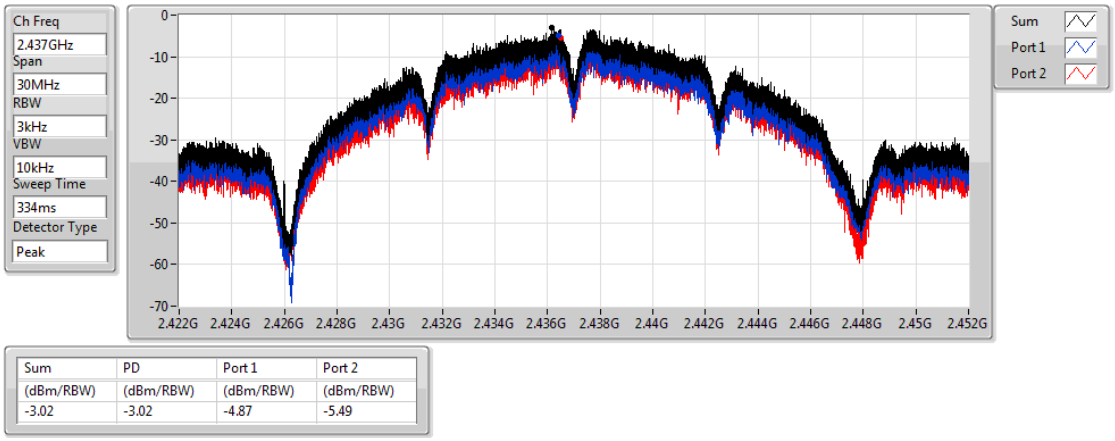
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.48	-3.48	-4.89	-6.95

802.11b_Nss1,(1Mbps)_2TX PSD

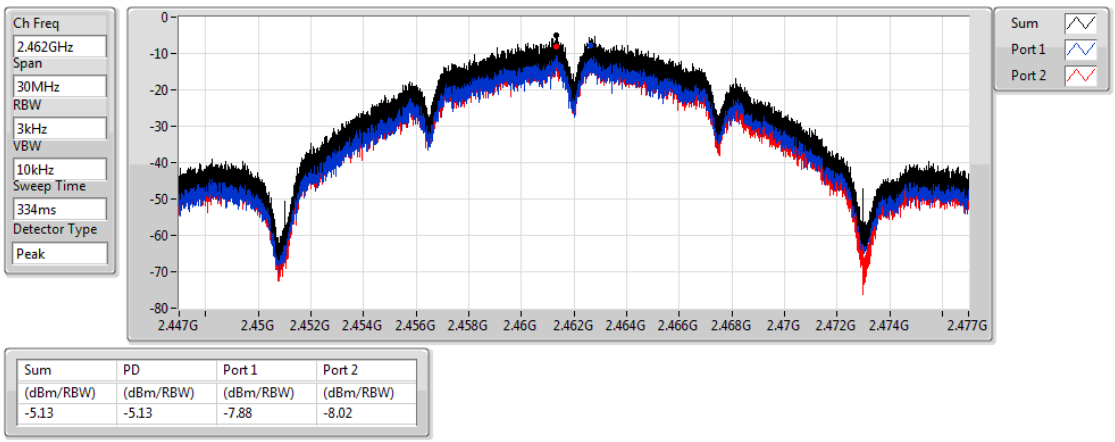
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.02	-3.02	-4.87	-5.49

802.11b_Nss1,(1Mbps)_2TX PSD

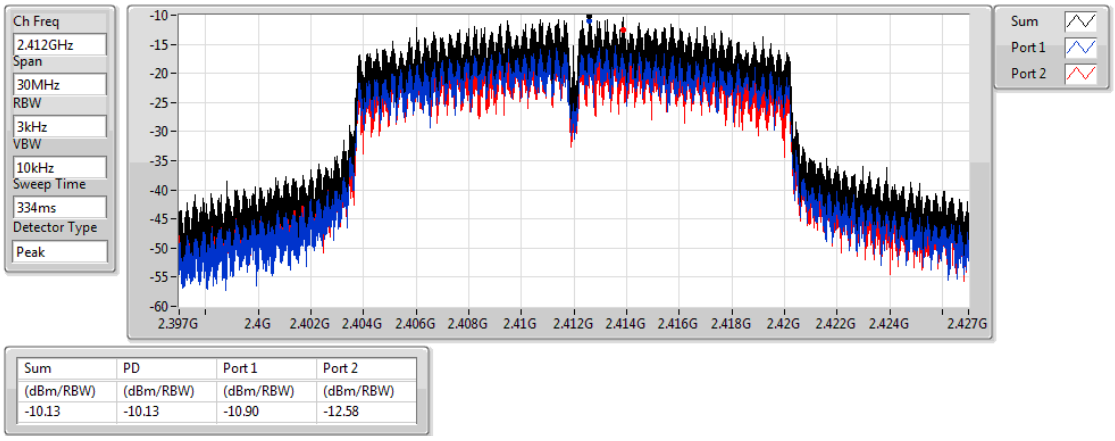
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.13	-5.13	-7.88	-8.02

802.11g_Nss1,(6Mbps)_2TX PSD

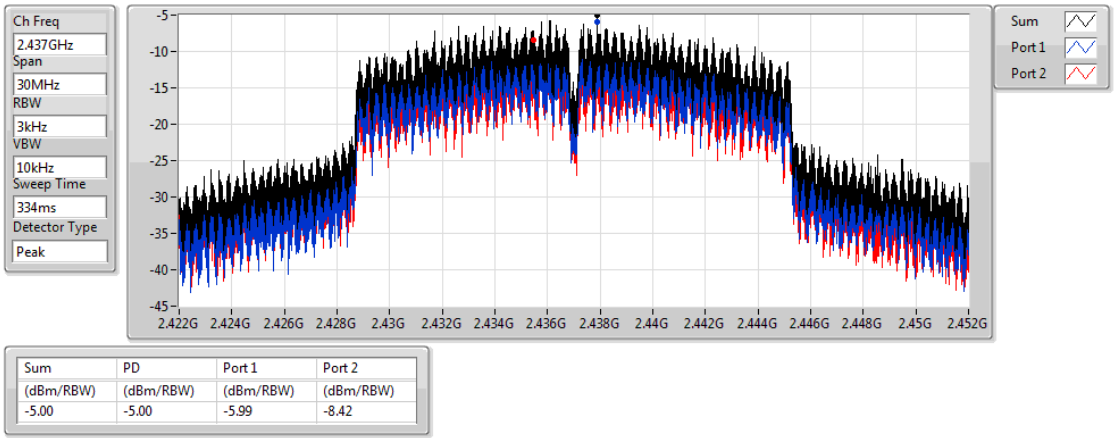
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.13	-10.13	-10.90	-12.58

802.11g_Nss1,(6Mbps)_2TX PSD

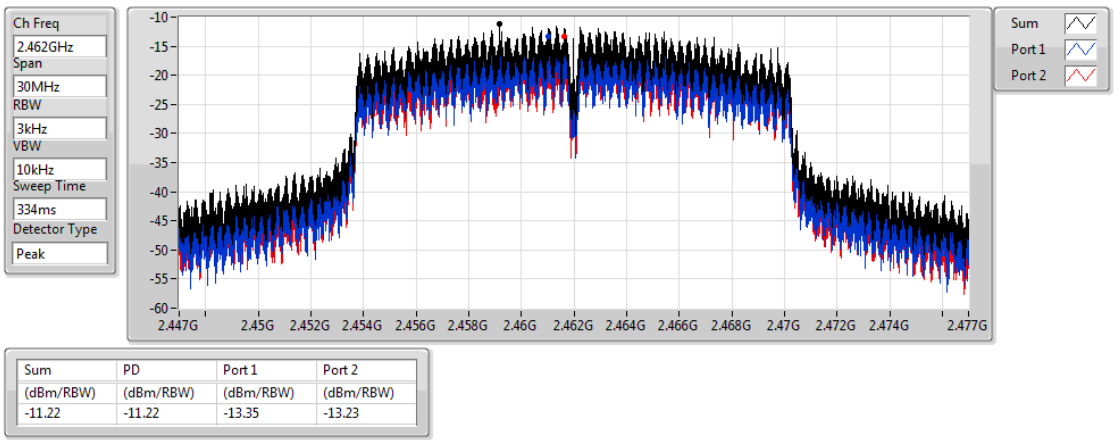
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.00	-5.00	-5.99	-8.42

802.11g_Nss1,(6Mbps)_2TX PSD

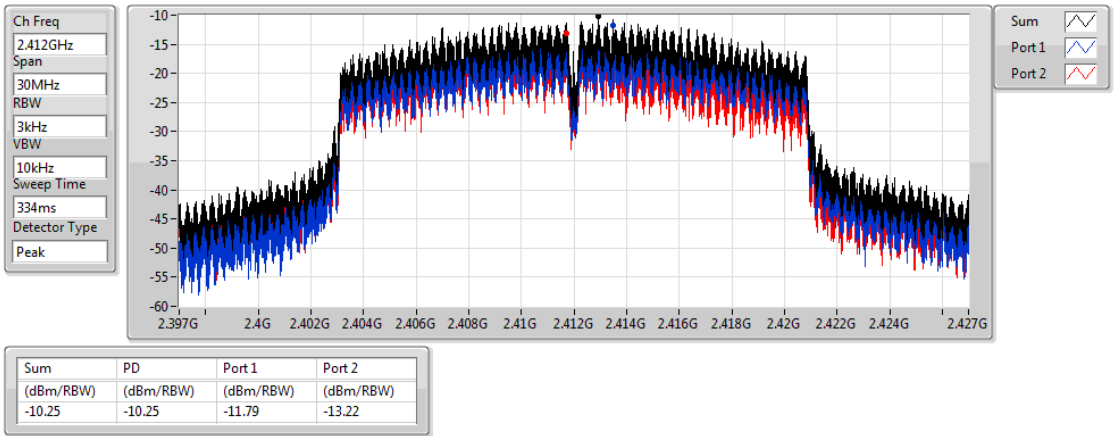
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.22	-11.22	-13.35	-13.23

802.11n HT20_Nss1,(MCS0)_2TX PSD

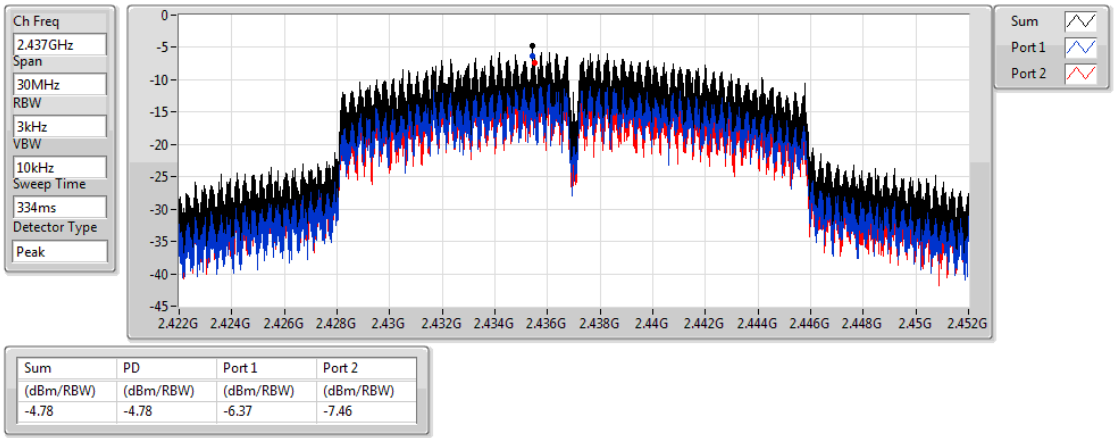
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.25	-10.25	-11.79	-13.22

802.11n HT20_Nss1,(MCS0)_2TX PSD

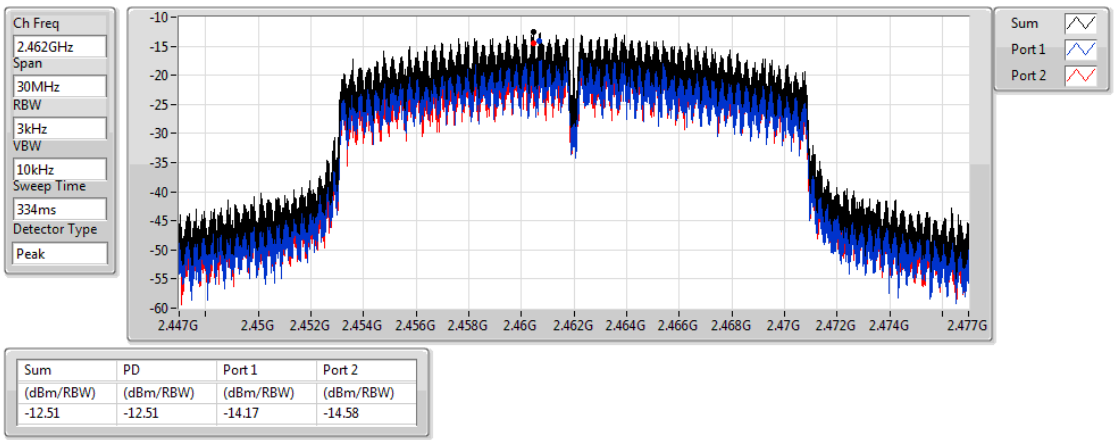
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.78	-4.78	-6.37	-7.46

802.11n HT20_Nss1,(MCS0)_2TX PSD

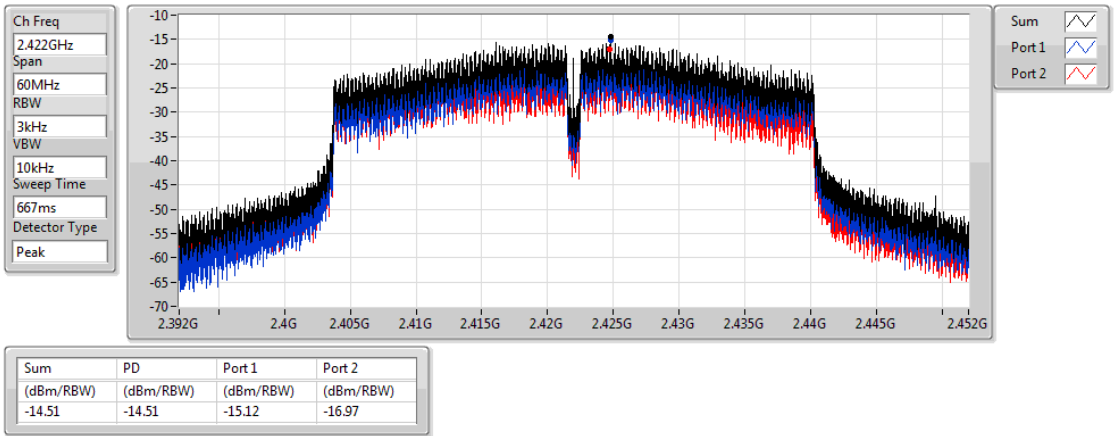
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.51	-12.51	-14.17	-14.58

802.11n HT40_Nss1,(MCS0)_2TX PSD

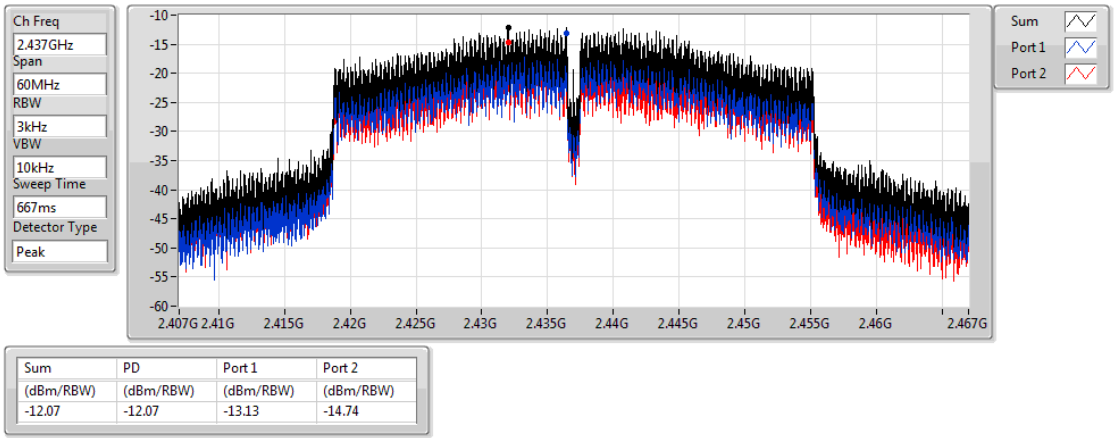
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.51	-14.51	-15.12	-16.97

802.11n HT40_Nss1,(MCS0)_2TX PSD

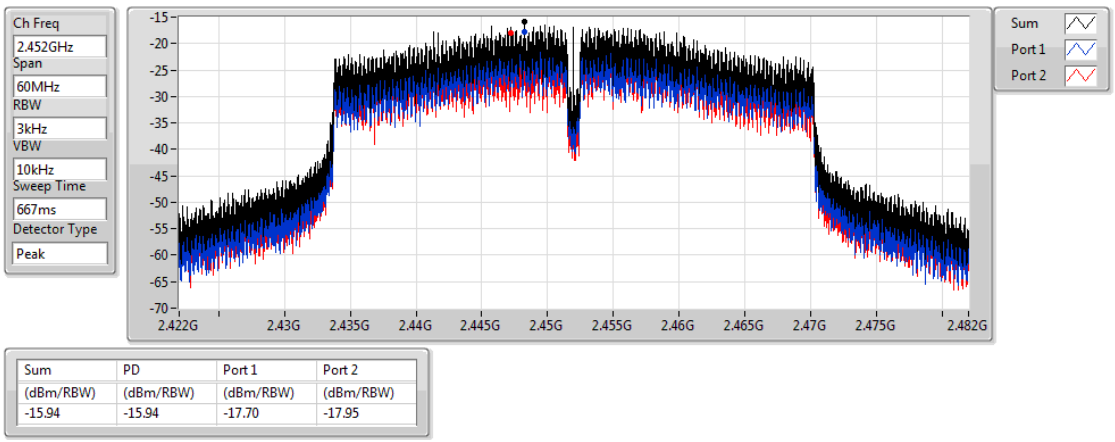
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.07	-12.07	-13.13	-14.74

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.94	-15.94	-17.70	-17.95

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	2.436406G	8.74	-21.26	2.30175G	-63.31	2.39904G	-24.72	2.48798G	-61.06	24.985952G	-55.23	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.438243G	7.33	-22.67	2.30641G	-60.77	2.3992G	-25.79	2.51414G	-61.67	16.874745G	-54.98	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.435738G	6.57	-23.43	2.30874G	-61.49	2.39928G	-24.95	2.5003G	-60.31	24.749949G	-55.34	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.442084G	1.20	-28.80	2.307405G	-61.98	2.3992G	-31.67	2.48414G	-42.21	16.510589G	-55.42	2

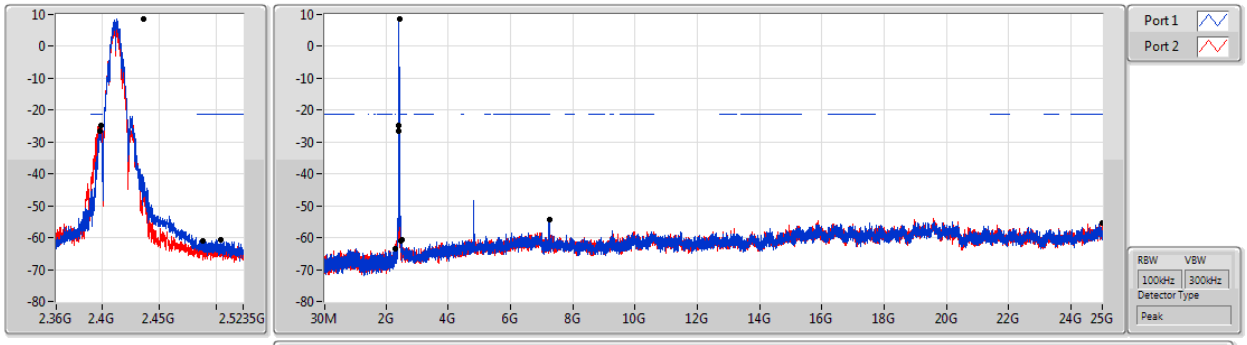
Result

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	2.436406G	8.74	-21.26	2.305245G	-63.61	2.39848G	-26.44	2.50438G	-60.51	7.235136G	-54.24	1
2412MHz	Pass	2.436406G	8.74	-21.26	2.30175G	-63.31	2.39904G	-24.72	2.48798G	-61.06	24.985952G	-55.23	2
2437MHz	Pass	2.436406G	8.74	-21.26	2.307575G	-63.58	2.39952G	-45.90	2.4847G	-53.63	16.343738G	-54.77	1
2437MHz	Pass	2.436406G	8.74	-21.26	2.307575G	-62.70	2.39952G	-46.31	2.48446G	-55.45	16.58817G	-55.45	2
2462MHz	Pass	2.436406G	8.74	-21.26	1.91497G	-63.68	2.39536G	-59.89	2.48358G	-50.46	15.264866G	-55.14	1
2462MHz	Pass	2.436406G	8.74	-21.26	2.305245G	-61.10	2.3972G	-61.11	2.48446G	-48.35	16.58817G	-55.95	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	7.33	-22.67	669.585M	-63.10	2.3992G	-27.85	2.4867G	-58.85	16.436454G	-55.07	1
2412MHz	Pass	2.438243G	7.33	-22.67	2.30641G	-60.77	2.3992G	-25.79	2.51414G	-61.67	16.874745G	-54.98	2
2437MHz	Pass	2.438243G	7.33	-22.67	2.18292G	-63.94	2.39992G	-36.57	2.48582G	-45.22	17.453515G	-55.06	1
2437MHz	Pass	2.438243G	7.33	-22.67	2.305245G	-60.95	2.39696G	-34.35	2.4851G	-42.08	24.907284G	-55.54	2
2462MHz	Pass	2.438243G	7.33	-22.67	1.95924G	-63.90	2.3912G	-59.71	2.48422G	-43.52	15.203056G	-54.44	1
2462MHz	Pass	2.438243G	7.33	-22.67	889.77M	-62.39	2.39888G	-60.71	2.48414G	-43.58	16.593789G	-56.05	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.435738G	6.57	-23.43	747.64M	-63.03	2.39928G	-28.07	2.49686G	-57.90	24.946618G	-55.19	1
2412MHz	Pass	2.435738G	6.57	-23.43	2.30874G	-61.49	2.39928G	-24.95	2.5003G	-60.31	24.749949G	-55.34	2
2437MHz	Pass	2.435738G	6.57	-23.43	924.72M	-63.22	2.39928G	-32.57	2.48382G	-36.00	21.634144G	-55.35	1
2437MHz	Pass	2.435738G	6.57	-23.43	2.309905G	-62.16	2.39896G	-30.67	2.48406G	-39.45	16.967461G	-54.37	2
2462MHz	Pass	2.435738G	6.57	-23.43	767.445M	-63.35	2.3984G	-59.77	2.48358G	-43.02	17.574326G	-54.92	1
2462MHz	Pass	2.435738G	6.57	-23.43	2.307575G	-63.44	2.39744G	-58.64	2.48406G	-41.72	16.245403G	-55.76	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442084G	1.20	-28.80	760.51M	-63.50	2.3992G	-35.50	2.48846G	-57.39	16.415234G	-55.25	1
2422MHz	Pass	2.442084G	1.20	-28.80	2.30855G	-62.43	2.39952G	-32.24	2.49006G	-60.15	16.353534G	-56.18	2
2437MHz	Pass	2.442084G	1.20	-28.80	725.015M	-63.02	2.39952G	-34.52	2.4851G	-42.25	24.792462G	-55.98	1
2437MHz	Pass	2.442084G	1.20	-28.80	2.307405G	-61.98	2.3992G	-31.67	2.48414G	-42.21	16.510589G	-55.42	2
2452MHz	Pass	2.442084G	1.20	-28.80	1.87574G	-63.34	2.39968G	-56.83	2.48446G	-39.96	24.918668G	-55.40	1
2452MHz	Pass	2.442084G	1.20	-28.80	2.305115G	-63.38	2.39872G	-56.94	2.48942G	-41.76	16.911642G	-54.77	2

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

2412MHz

16/10/2018

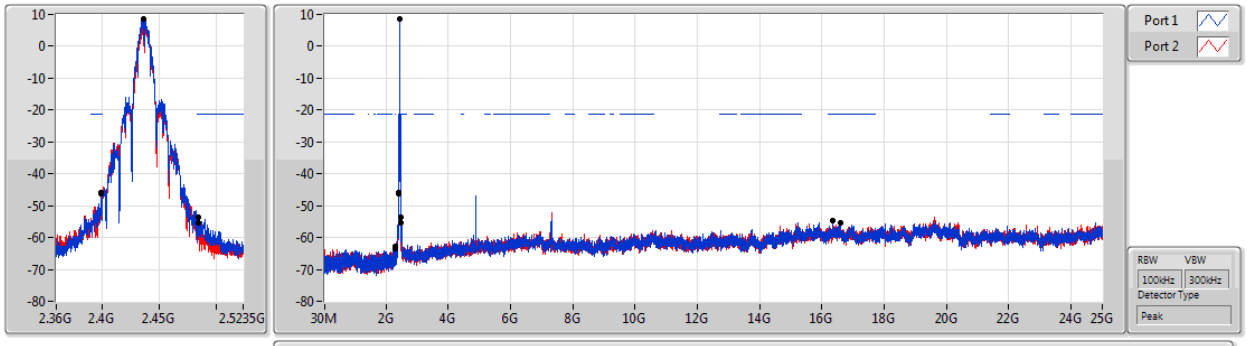


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	8.74	-21.26	2.305245G	-63.61	2.39848G	-26.44	2.50438G	-60.51	7.235136G	-54.24	1
2.436406G	8.74	-21.26	2.30175G	-63.31	2.39904G	-24.72	2.48798G	-61.06	24.985952G	-55.23	2

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

2437MHz

16/10/2018

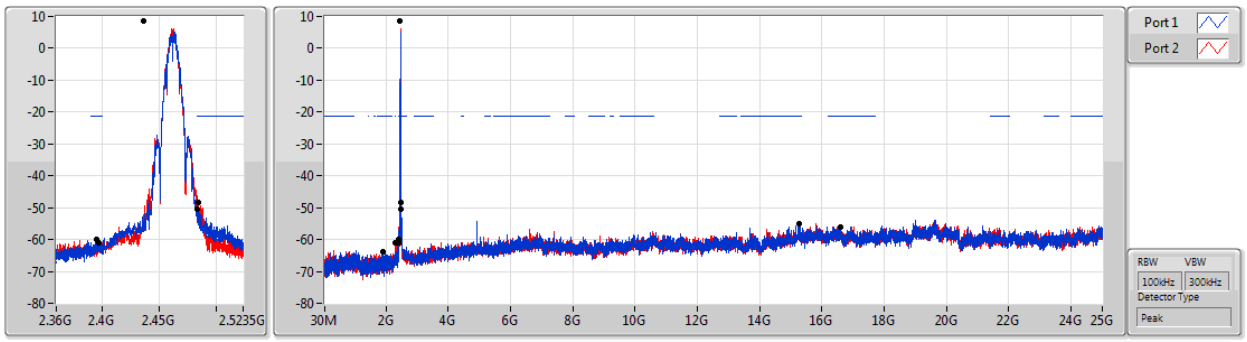


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	8.74	-21.26	2.307575G	-63.58	2.39952G	-45.90	2.4847G	-53.63	16.343738G	-54.77	1
2.436406G	8.74	-21.26	2.307575G	-62.70	2.39952G	-46.31	2.48446G	-55.45	16.58817G	-55.45	2

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

2462MHz

16/10/2018

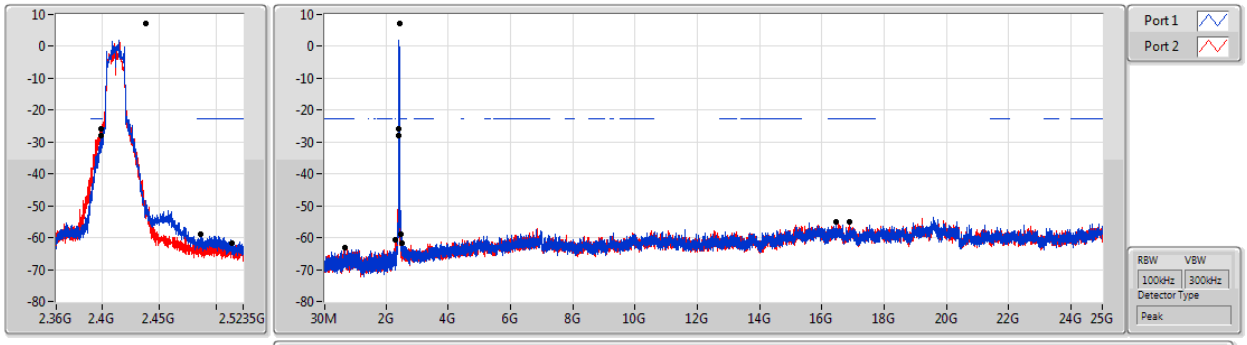


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	8.74	-21.26	1.91497G	-63.68	2.39536G	-59.89	2.48358G	-50.46	15.264866G	-55.14	1
2.436406G	8.74	-21.26	2.305245G	-61.10	2.3972G	-61.11	2.48446G	-48.35	16.58817G	-55.95	2

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

2412MHz

16/10/2018

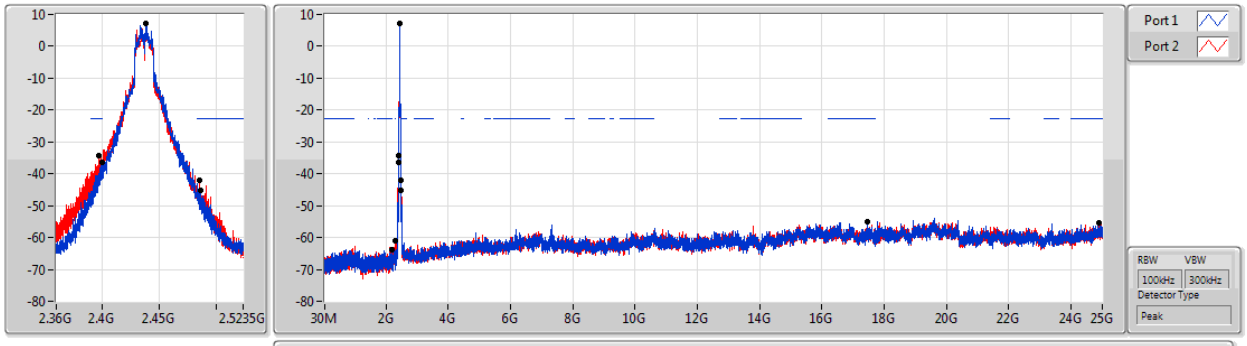


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	7.33	-22.67	669.585M	-63.10	2.3992G	-27.85	2.4867G	-58.85	16.436454G	-55.07	1
2.438243G	7.33	-22.67	2.30641G	-60.77	2.3992G	-25.79	2.51414G	-61.67	16.874745G	-54.98	2

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

2437MHz

16/10/2018

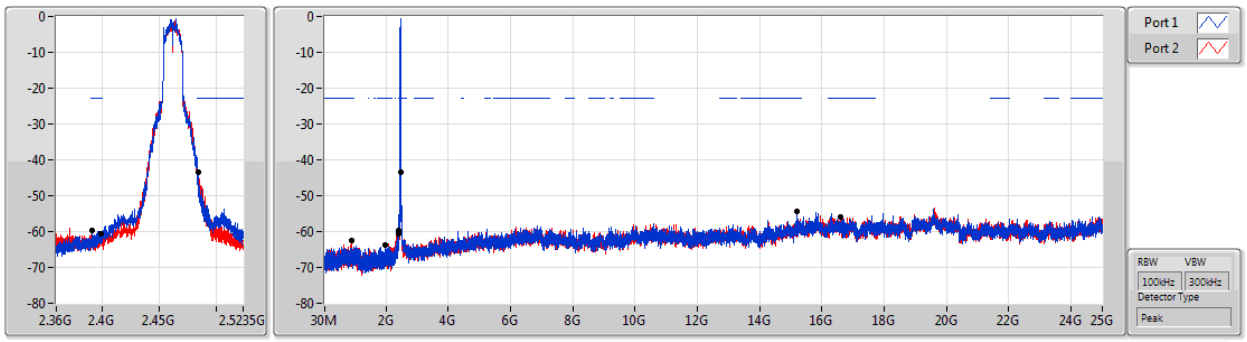


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	7.33	-22.67	2.18292G	-63.94	2.39992G	-36.57	2.48582G	-45.22	17.453515G	-55.06	1
2.438243G	7.33	-22.67	2.305245G	-60.95	2.39696G	-34.35	2.4851G	-42.08	24.907284G	-55.54	2

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

2462MHz

16/10/2018

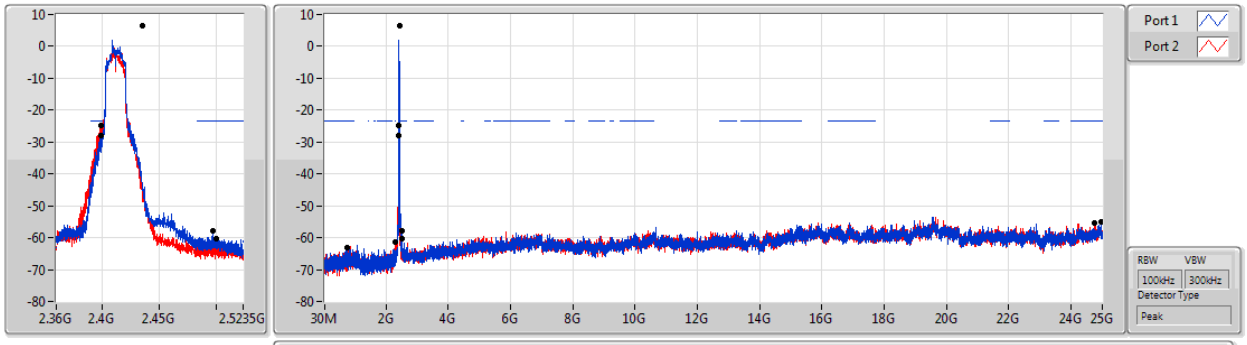


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	7.33	-22.67	1.95924G	-63.90	2.3912G	-59.71	2.48422G	-43.52	15.203056G	-54.44	1
2.438243G	7.33	-22.67	889.77M	-62.39	2.39888G	-60.71	2.48414G	-43.58	16.593789G	-56.05	2

802.11n HT20_Nss1,(MCS0)_2TX — CSE NdB

2412MHz

16/10/2018

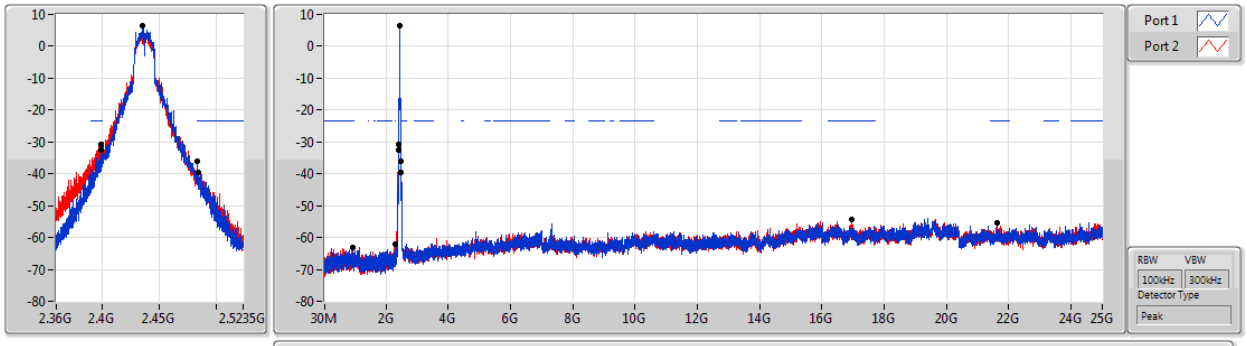


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	6.57	-23.43	747.64M	-63.03	2.39928G	-28.07	2.49686G	-57.90	24.946618G	-55.19	1
2.435738G	6.57	-23.43	2.30874G	-61.49	2.39928G	-24.95	2.5003G	-60.31	24.749949G	-55.34	2

802.11n HT20_Nss1,(MCS0)_2TX — CSE NdB

2437MHz

16/10/2018

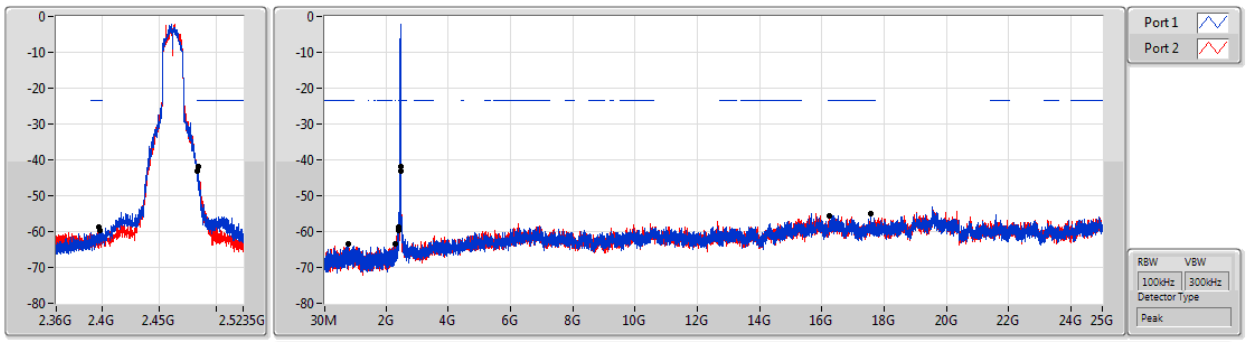


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	6.57	-23.43	924.72M	-63.22	2.39928G	-32.57	2.48382G	-36.00	21.634144G	-55.35	1
2.435738G	6.57	-23.43	2.309905G	-62.16	2.39896G	-30.67	2.48406G	-39.45	16.967461G	-54.37	2

802.11n HT20_Nss1,(MCS0)_2TX — CSE NdB

2462MHz

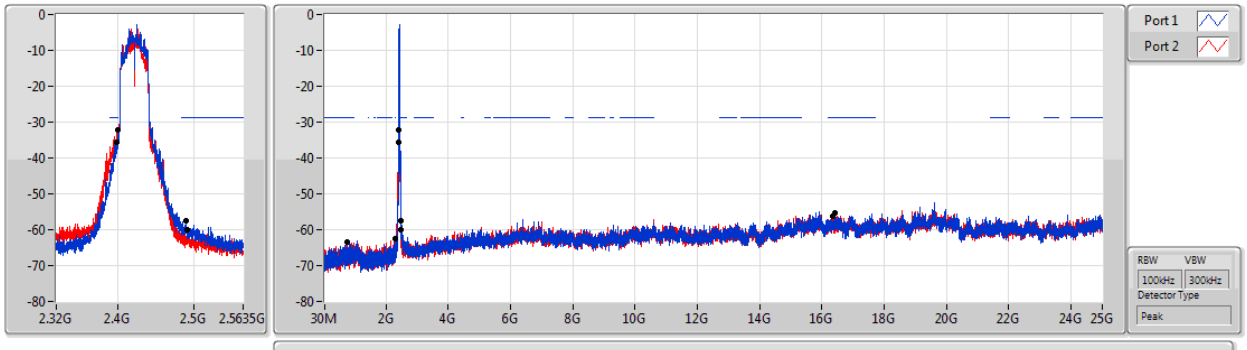
16/10/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	6.57	-23.43	767.445M	-63.35	2.3984G	-59.77	2.48358G	-43.02	17.574326G	-54.92	1
2.435738G	6.57	-23.43	2.307575G	-63.44	2.39744G	-58.64	2.48406G	-41.72	16.245403G	-55.76	2

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

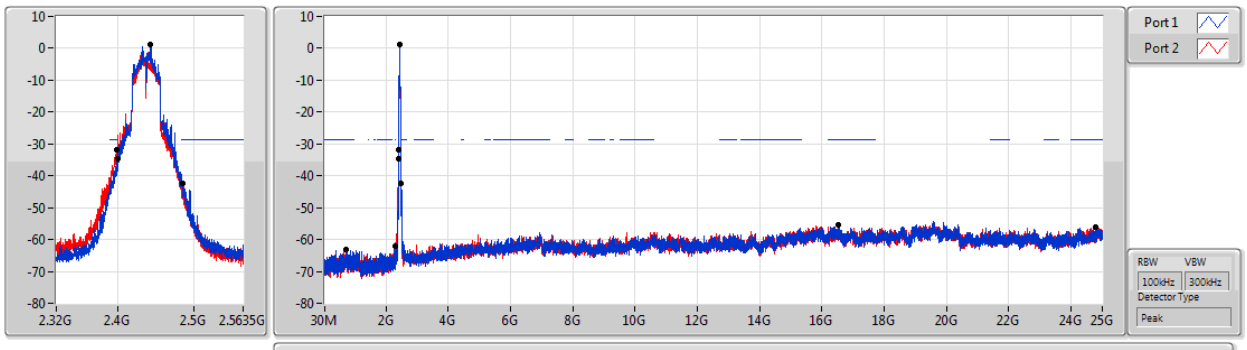
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	1.20	-28.80	760.51M	-63.50	2.3992G	-35.50	2.48846G	-57.39	16.415234G	-55.25	1
2.442084G	1.20	-28.80	2.30855G	-62.43	2.39952G	-32.24	2.49006G	-60.15	16.353534G	-56.18	2

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

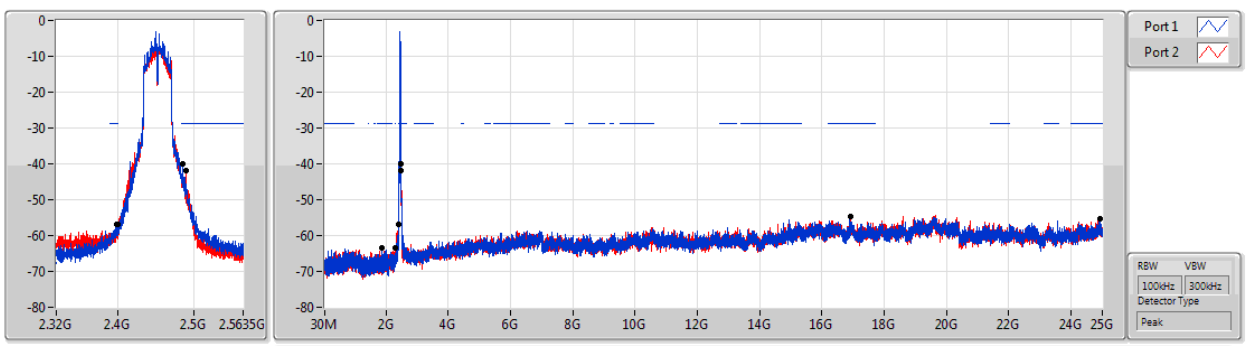
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	1.20	-28.80	725.015M	-63.02	2.39952G	-34.52	2.4851G	-42.25	24.792462G	-55.98	1
2.442084G	1.20	-28.80	2.307405G	-61.98	2.3992G	-31.67	2.48414G	-42.21	16.510589G	-55.42	2

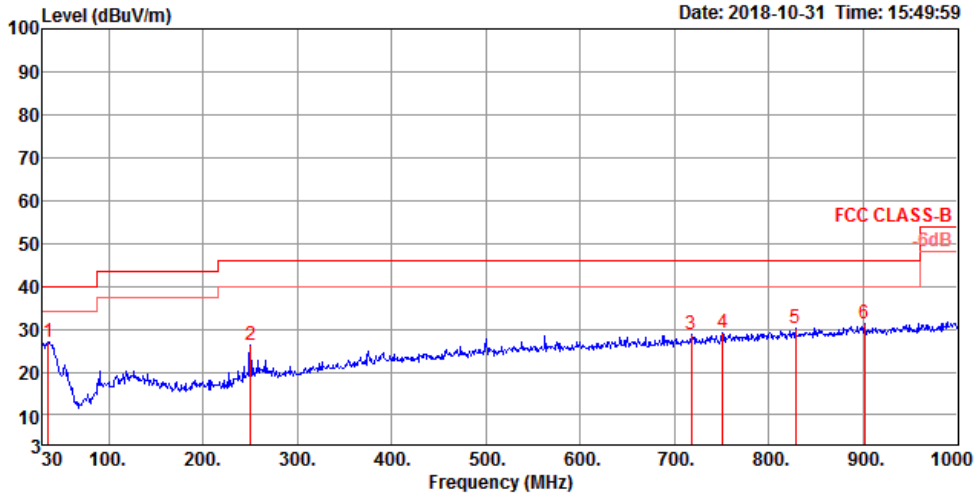
802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	1.20	-28.80	1.87574G	-63.34	2.39968G	-56.83	2.48446G	-39.96	24.918668G	-55.40	1
2.442084G	1.20	-28.80	2.305115G	-63.38	2.39872G	-56.94	2.48942G	-41.76	16.911642G	-54.77	2

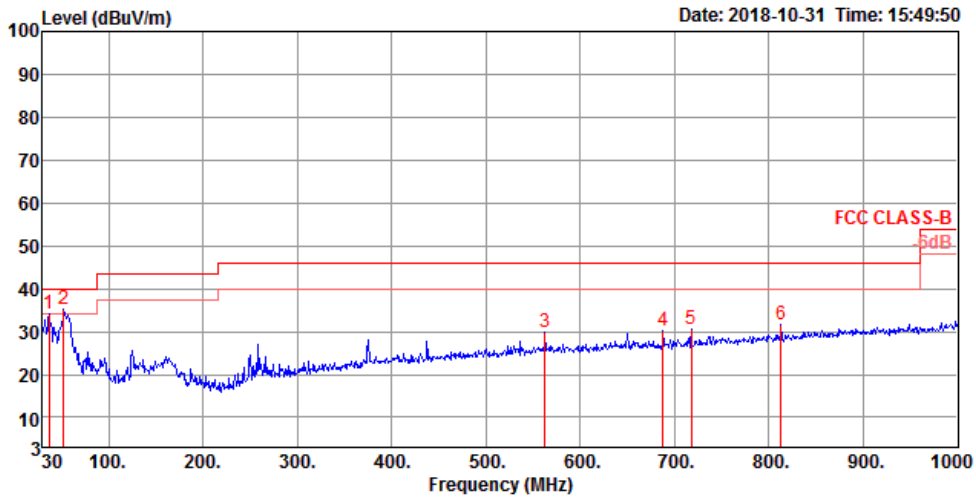
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	AP Router mode - EUT in Z axis		



	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	35.82	26.99	40.00	-13.01	35.59	0.74	22.25	31.59	150	69	Peak	HORIZONTAL
2	250.19	26.15	46.00	-19.85	37.32	1.91	18.90	31.98	300	252	Peak	HORIZONTAL
3	717.73	28.61	46.00	-17.39	32.08	3.23	25.81	32.51	200	125	Peak	HORIZONTAL
4	750.71	29.09	46.00	-16.91	32.11	3.31	26.20	32.53	200	242	Peak	HORIZONTAL
5	828.31	30.24	46.00	-15.76	32.19	3.49	27.03	32.47	300	295	Peak	HORIZONTAL
6	901.06	31.14	46.00	-14.86	32.26	3.65	27.70	32.47	125	93	Peak	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	AP Router mode - EUT in Z axis		



	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	36.79	34.20	40.00	-5.80	43.36	0.75	21.69	31.60	100	251	Peak	VERTICAL
2	52.31	35.26	40.00	-4.74	51.90	0.88	14.25	31.77	150	43	Peak	VERTICAL
3	562.53	29.82	46.00	-16.18	34.66	2.86	24.67	32.37	150	334	Peak	VERTICAL
4	687.66	30.15	46.00	-15.85	33.90	3.16	25.58	32.49	100	254	Peak	VERTICAL
5	717.73	30.55	46.00	-15.45	34.02	3.23	25.81	32.51	100	98	Peak	VERTICAL
6	812.79	31.49	46.00	-14.51	33.64	3.46	26.87	32.48	100	48	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.)

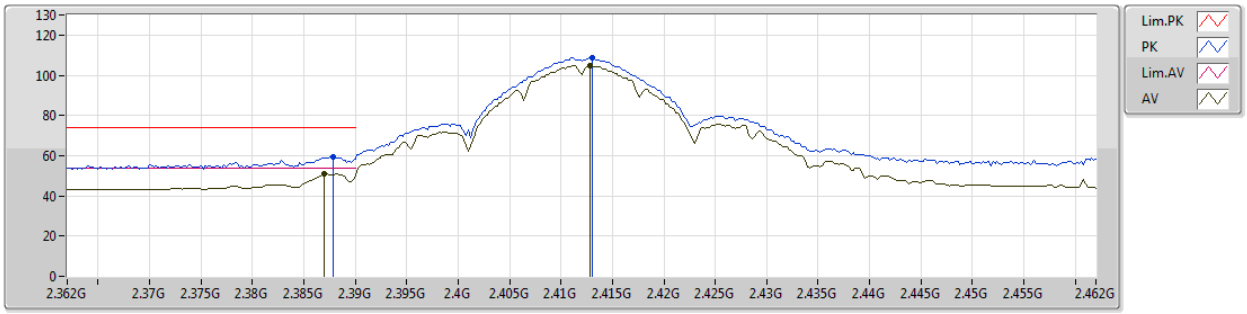
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.98	54.00	-0.02	31.50	3	Horizontal	277	2.91	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

15/10/2018



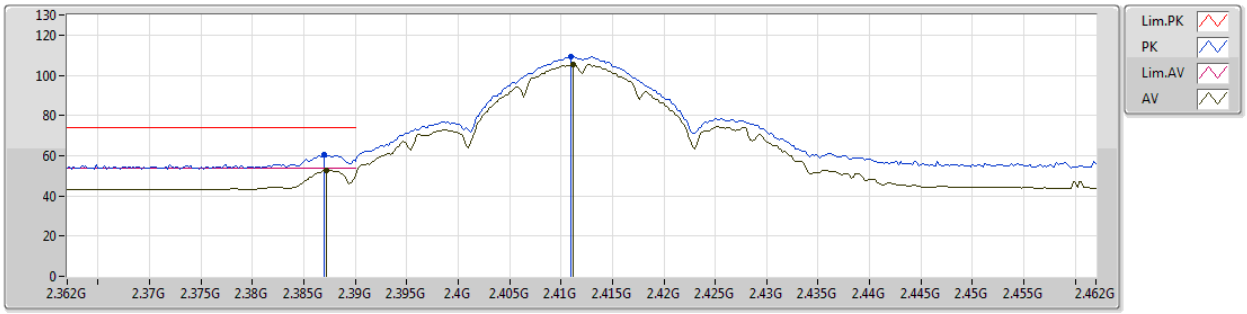
EUT Y_2TX
Setting 20.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	59.16	74.00	-14.84	30.97	3	Vertical	216	1.43	-
AV	2.387G	51.14	54.00	-2.86	30.97	3	Vertical	216	1.43	-
PK	2.413G	108.77	Inf	-Inf	30.97	3	Vertical	216	1.43	-
AV	2.4128G	104.91	Inf	-Inf	30.97	3	Vertical	216	1.43	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

15/10/2018



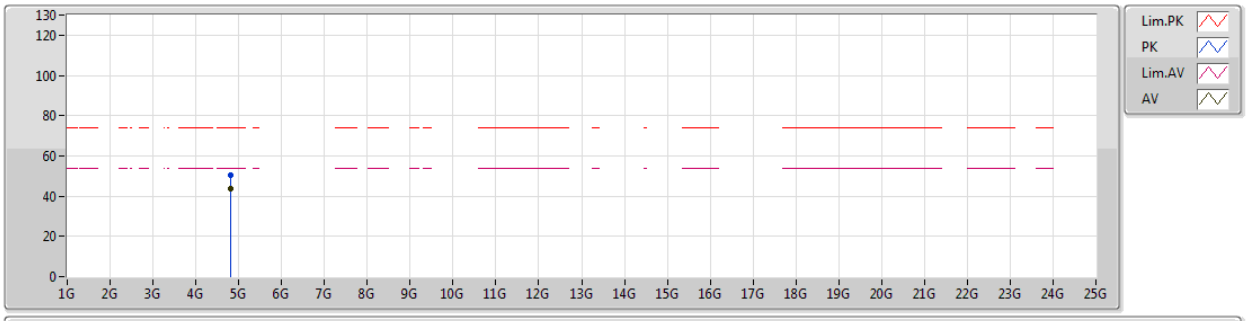
EUT Y_2TX
Setting 20.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	60.50	74.00	-13.50	30.97	3	Horizontal	265	2.00	-
AV	2.3872G	52.84	54.00	-1.16	30.97	3	Horizontal	265	2.00	-
PK	2.411G	109.27	Inf	-Inf	30.96	3	Horizontal	265	2.00	-
AV	2.4112G	105.58	Inf	-Inf	30.96	3	Horizontal	265	2.00	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

15/10/2018



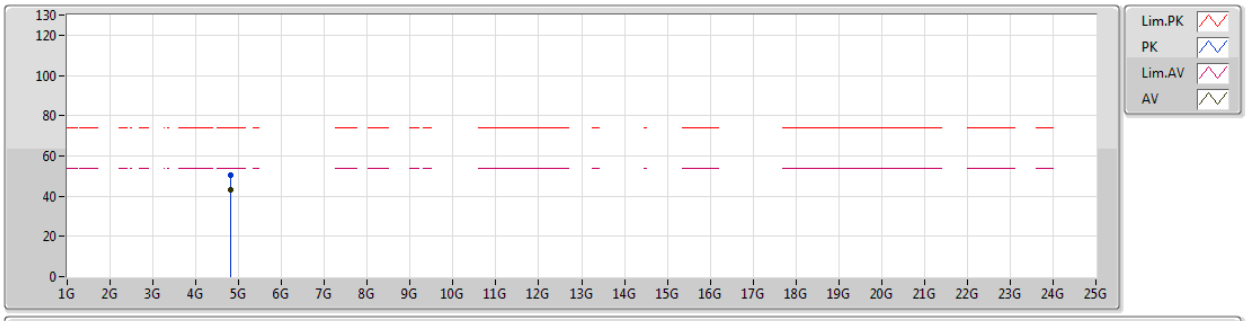
EUT Y_2TX
Setting 20.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82394G	50.35	74.00	-23.65	4.00	3	Vertical	249	1.83	-
AV	4.82399G	43.54	54.00	-10.46	4.00	3	Vertical	249	1.83	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

15/10/2018



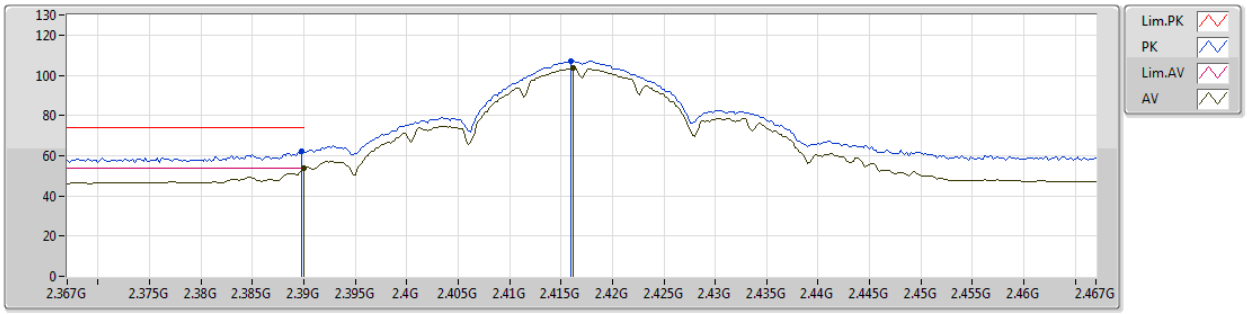
EUT Y_2TX
Setting 20.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.824G	50.30	74.00	-23.70	4.00	3	Horizontal	208	1.32	-
AV	4.82399G	43.06	54.00	-10.94	4.00	3	Horizontal	208	1.32	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

12/10/2018



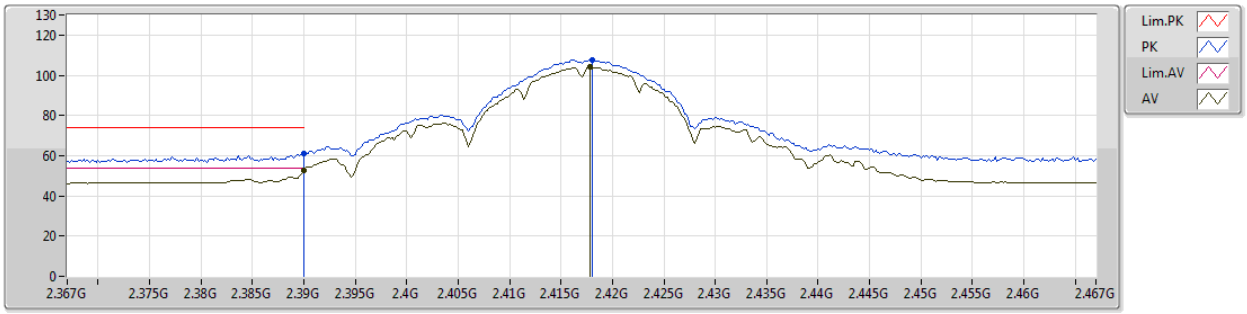
EUT Y_2TX
Setting 21.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	62.42	74.00	-11.58	31.50	3	Vertical	214	1.26	-
AV	2.39G	53.96	54.00	-0.04	31.50	3	Vertical	214	1.26	-
PK	2.416G	107.17	Inf	-Inf	31.57	3	Vertical	214	1.26	-
AV	2.4162G	103.61	Inf	-Inf	31.57	3	Vertical	214	1.26	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

12/10/2018



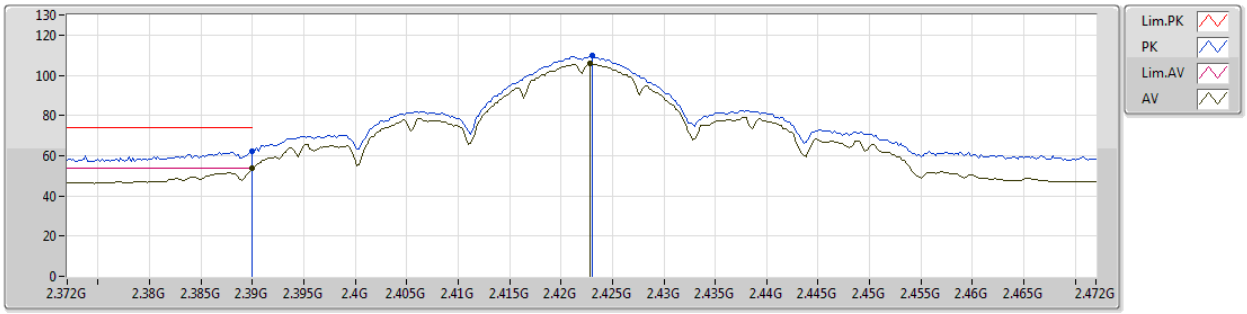
EUT Y_2TX
Setting 21.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	61.01	74.00	-12.99	31.50	3	Horizontal	267	2.66	-
AV	2.39G	52.44	54.00	-1.56	31.50	3	Horizontal	267	2.66	-
PK	2.418G	107.83	Inf	-Inf	31.57	3	Horizontal	267	2.66	-
AV	2.4178G	104.18	Inf	-Inf	31.57	3	Horizontal	267	2.66	-

802.11b_Nss1,(1Mbps)_2TX

2422MHz_TX

12/10/2018



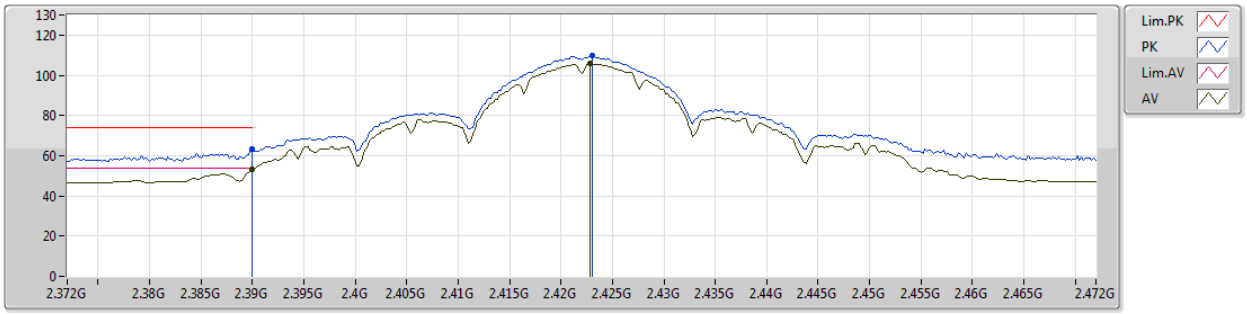
EUT Y_2TX
Setting 23.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	62.22	74.00	-11.78	31.50	3	Vertical	211	2.70	-
AV	2.39G	53.93	54.00	-0.07	31.50	3	Vertical	211	2.70	-
PK	2.423G	109.58	Inf	-Inf	31.58	3	Vertical	211	2.70	-
AV	2.4228G	105.65	Inf	-Inf	31.58	3	Vertical	211	2.70	-

802.11b_Nss1,(1Mbps)_2TX

2422MHz_TX

12/10/2018



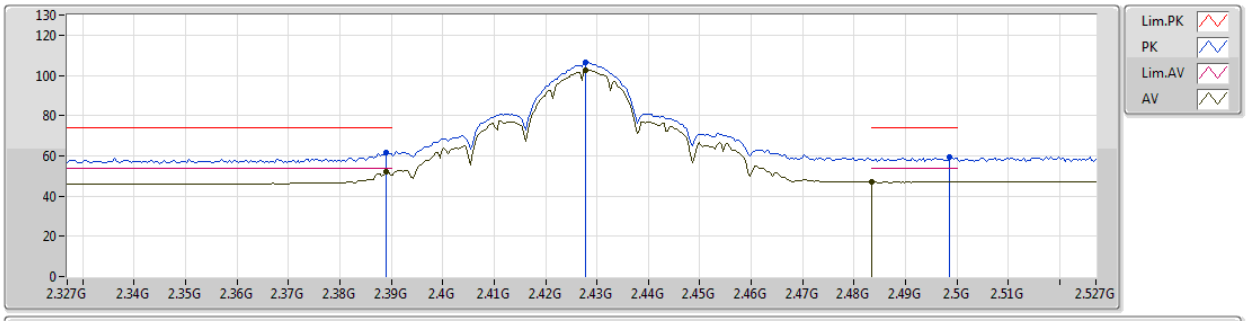
EUT Y_2TX
Setting 23.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	63.14	74.00	-10.86	31.50	3	Horizontal	267	1.13	-
AV	2.39G	53.16	54.00	-0.84	31.50	3	Horizontal	267	1.13	-
PK	2.423G	109.66	Inf	-Inf	31.58	3	Horizontal	267	1.13	-
AV	2.4228G	105.87	Inf	-Inf	31.58	3	Horizontal	267	1.13	-

802.11b_Nss1,(1Mbps)_2TX

2427MHz_TX

12/10/2018



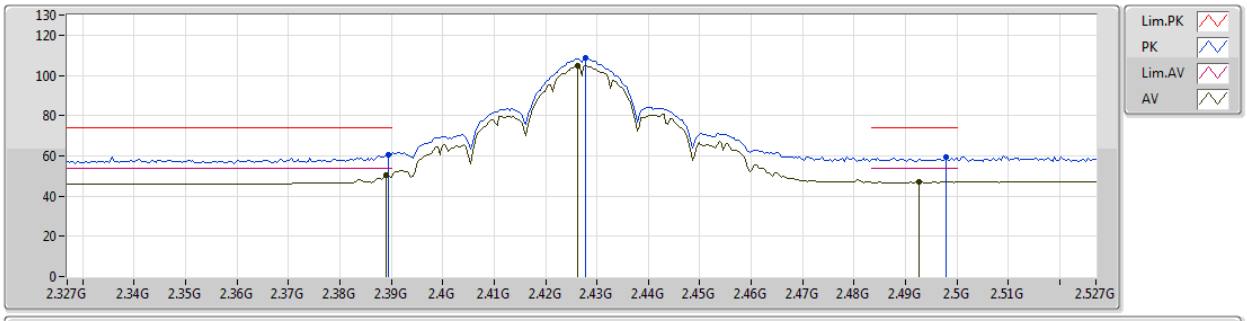
EUT Y_2TX
Setting 24
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	61.55	74.00	-12.45	31.50	3	Vertical	165	1.60	-
AV	2.389G	52.37	54.00	-1.63	31.50	3	Vertical	165	1.60	-
PK	2.4278G	106.35	Inf	-Inf	31.60	3	Vertical	165	1.60	-
AV	2.4278G	102.44	Inf	-Inf	31.60	3	Vertical	165	1.60	-
PK	2.4986G	59.27	74.00	-14.73	31.77	3	Vertical	165	1.60	-
AV	2.4835G	46.99	54.00	-7.01	31.73	3	Vertical	165	1.60	-

802.11b_Nss1,(1Mbps)_2TX

2427MHz_TX

12/10/2018



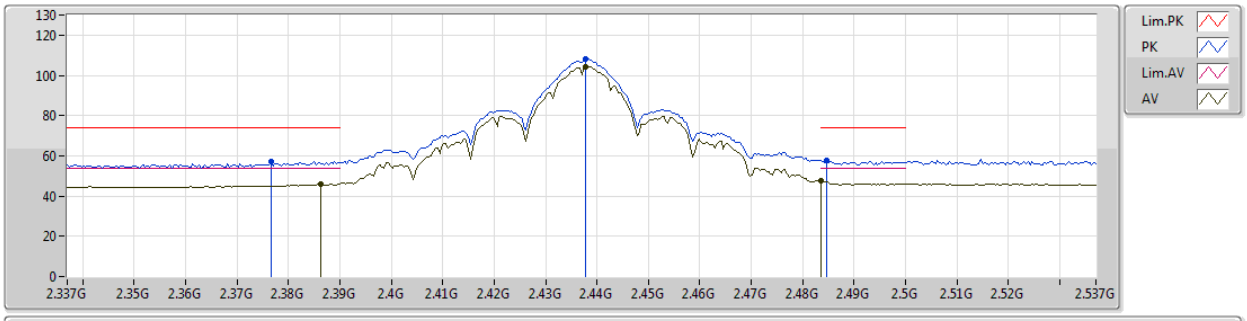
EUT Y_2TX
Setting 24
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	60.79	74.00	-13.21	31.50	3	Horizontal	256	2.36	-
AV	2.389G	50.68	54.00	-3.32	31.50	3	Horizontal	256	2.36	-
PK	2.4278G	108.43	Inf	-Inf	31.60	3	Horizontal	256	2.36	-
AV	2.4262G	104.80	Inf	-Inf	31.60	3	Horizontal	256	2.36	-
PK	2.4978G	59.33	74.00	-14.67	31.77	3	Horizontal	256	2.36	-
AV	2.4926G	46.91	54.00	-7.09	31.76	3	Horizontal	256	2.36	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

12/10/2018



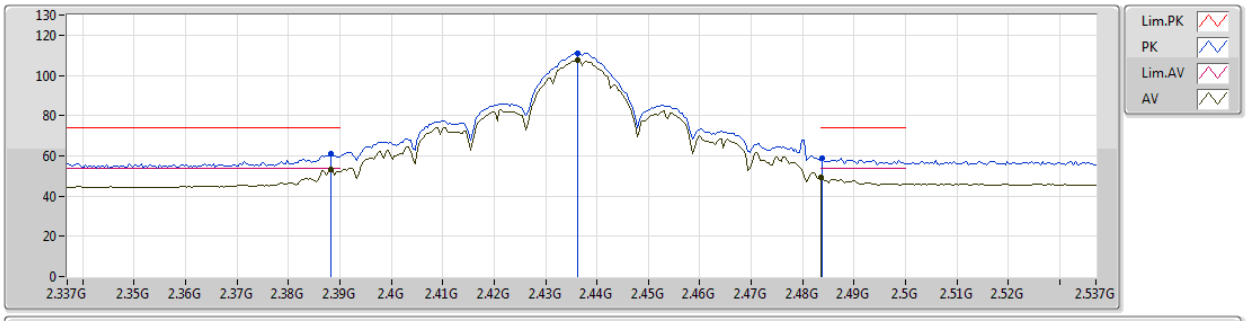
EUT Y_2TX
Setting 24
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3766G	57.34	74.00	-16.66	32.08	3	Vertical	0	1.31	-
AV	2.3862G	45.87	54.00	-8.13	32.11	3	Vertical	0	1.31	-
PK	2.4378G	108.15	Inf	-Inf	32.27	3	Vertical	0	1.31	-
AV	2.4378G	104.39	Inf	-Inf	32.27	3	Vertical	0	1.31	-
PK	2.4846G	57.92	74.00	-16.08	32.42	3	Vertical	0	1.31	-
AV	2.4835G	47.53	54.00	-6.47	32.42	3	Vertical	0	1.31	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

12/10/2018



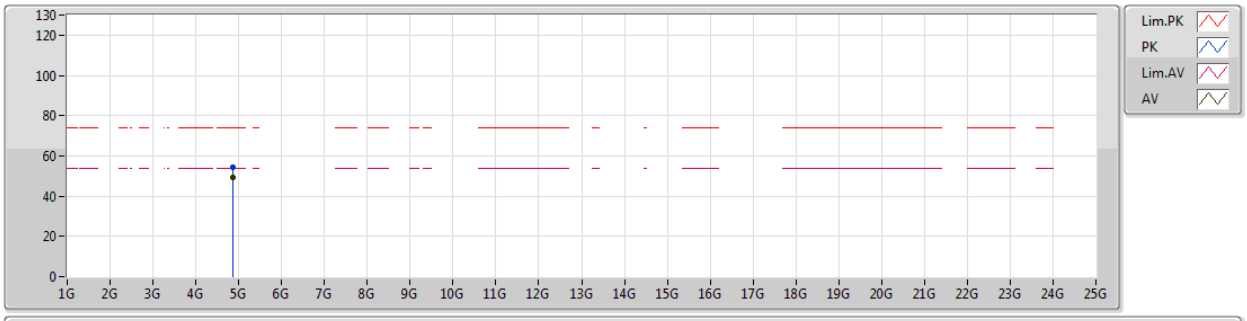
EUT Y_2TX
Setting 24
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	60.97	74.00	-13.03	32.13	3	Horizontal	86	2.38	-
AV	2.3882G	53.09	54.00	-0.91	32.13	3	Horizontal	86	2.38	-
PK	2.4362G	111.21	Inf	-Inf	32.27	3	Horizontal	86	2.38	-
AV	2.4362G	107.79	Inf	-Inf	32.27	3	Horizontal	86	2.38	-
PK	2.4838G	58.68	74.00	-15.32	32.42	3	Horizontal	86	2.38	-
AV	2.4835G	49.08	54.00	-4.92	32.42	3	Horizontal	86	2.38	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

12/10/2018



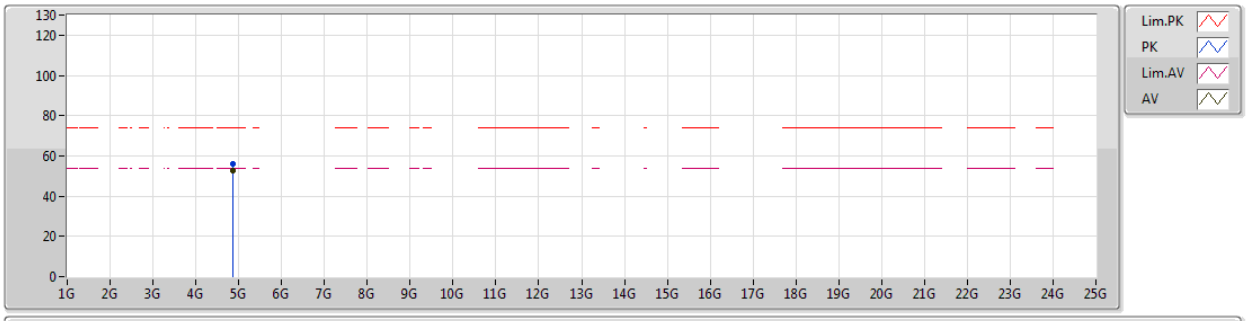
EUT Y_2TX
Setting 24
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8741G	54.12	74.00	-19.88	5.35	3	Vertical	212	1.50	-
AV	4.8741G	49.49	54.00	-4.51	5.35	3	Vertical	212	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

12/10/2018



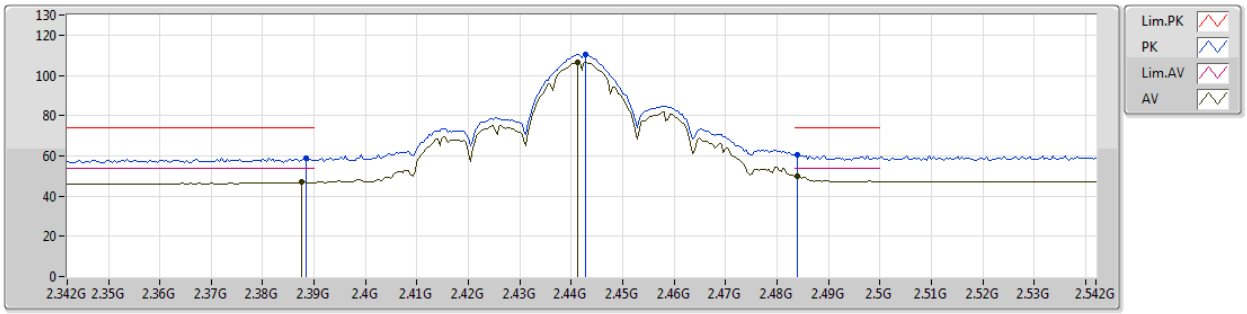
EUT Y_2TX
Setting 24
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8741G	56.13	74.00	-17.87	5.35	3	Horizontal	221	1.97	-
AV	4.8741G	52.77	54.00	-1.23	5.35	3	Horizontal	221	1.97	-

802.11b_Nss1,(1Mbps)_2TX

2442MHz_TX

12/10/2018



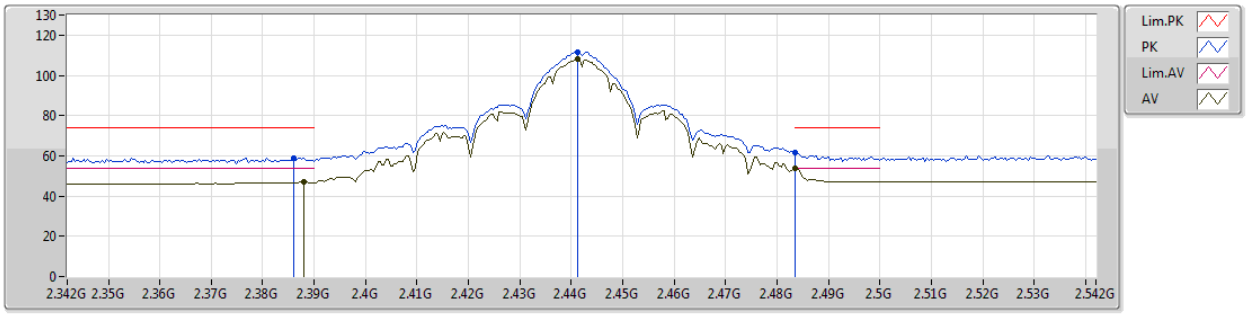
EUT Y_2TX
Setting 24
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	58.73	74.00	-15.27	31.50	3	Vertical	162	1.01	-
AV	2.3876G	46.87	54.00	-7.13	31.50	3	Vertical	162	1.01	-
PK	2.4428G	110.38	Inf	-Inf	31.64	3	Vertical	162	1.01	-
AV	2.4412G	106.72	Inf	-Inf	31.62	3	Vertical	162	1.01	-
PK	2.484G	60.61	74.00	-13.39	31.73	3	Vertical	162	1.01	-
AV	2.484G	49.96	54.00	-4.04	31.73	3	Vertical	162	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2442MHz_TX

12/10/2018



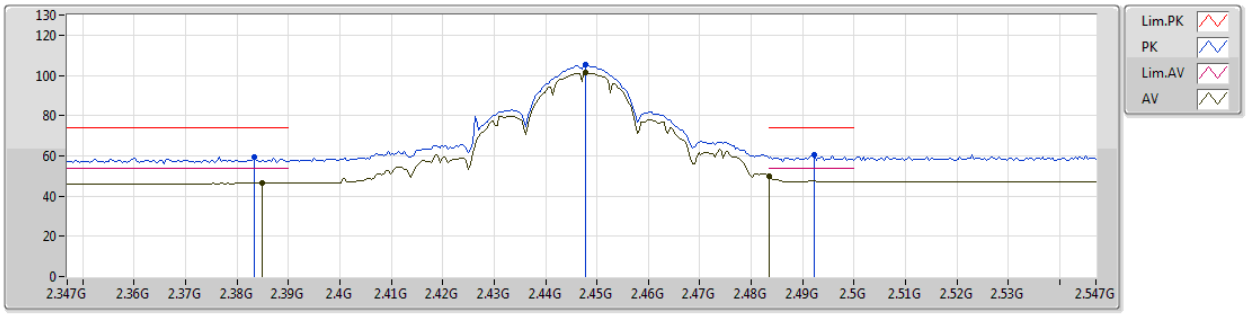
EUT Y_2TX
Setting 24
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	58.95	74.00	-15.05	31.49	3	Horizontal	266	2.89	-
AV	2.388G	47.23	54.00	-6.77	31.50	3	Horizontal	266	2.89	-
PK	2.4412G	111.64	Inf	-Inf	31.62	3	Horizontal	266	2.89	-
AV	2.4412G	108.02	Inf	-Inf	31.62	3	Horizontal	266	2.89	-
PK	2.483503G	61.63	74.00	-12.37	31.73	3	Horizontal	266	2.89	-
AV	2.483501G	53.74	54.00	-0.26	31.73	3	Horizontal	266	2.89	-

802.11b_Nss1,(1Mbps)_2TX

2447MHz_TX

12/10/2018



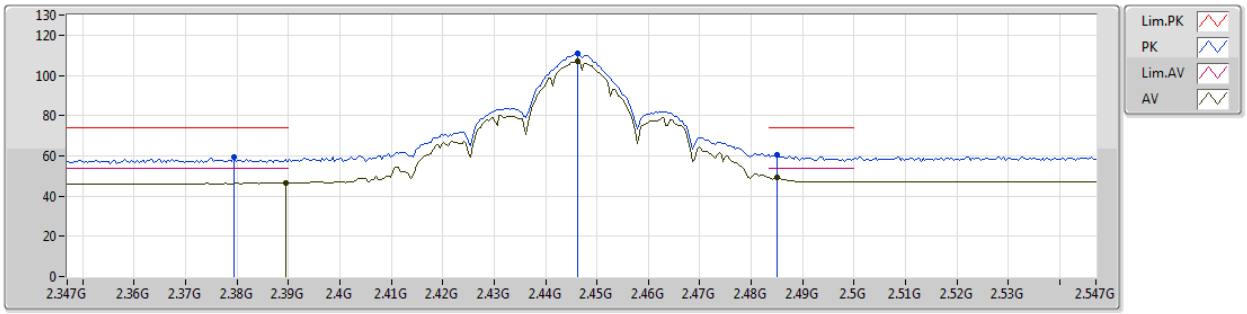
EUT Y_2TX
Setting 23
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3834G	59.63	74.00	-14.37	31.49	3	Vertical	163	1.01	-
AV	2.385G	46.40	54.00	-7.60	31.49	3	Vertical	163	1.01	-
PK	2.4478G	105.09	Inf	-Inf	31.65	3	Vertical	163	1.01	-
AV	2.4478G	101.24	Inf	-Inf	31.65	3	Vertical	163	1.01	-
PK	2.4922G	60.28	74.00	-13.72	31.76	3	Vertical	163	1.01	-
AV	2.4835G	49.61	54.00	-4.39	31.73	3	Vertical	163	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2447MHz_TX

12/10/2018



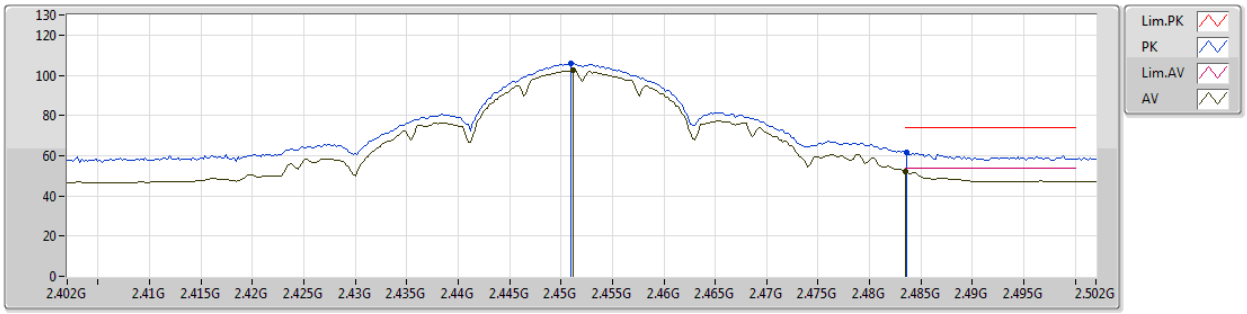
EUT Y_2TX
Setting 23
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3794G	59.13	74.00	-14.87	31.48	3	Horizontal	279	2.88	-
AV	2.3894G	46.39	54.00	-7.61	31.50	3	Horizontal	279	2.88	-
PK	2.4462G	110.69	Inf	-Inf	31.64	3	Horizontal	279	2.88	-
AV	2.4462G	107.09	Inf	-Inf	31.64	3	Horizontal	279	2.88	-
PK	2.485G	60.55	74.00	-13.45	31.73	3	Horizontal	279	2.88	-
AV	2.485G	49.43	54.00	-4.57	31.73	3	Horizontal	279	2.88	-

802.11b_Nss1,(1Mbps)_2TX

2452MHz_TX

12/10/2018



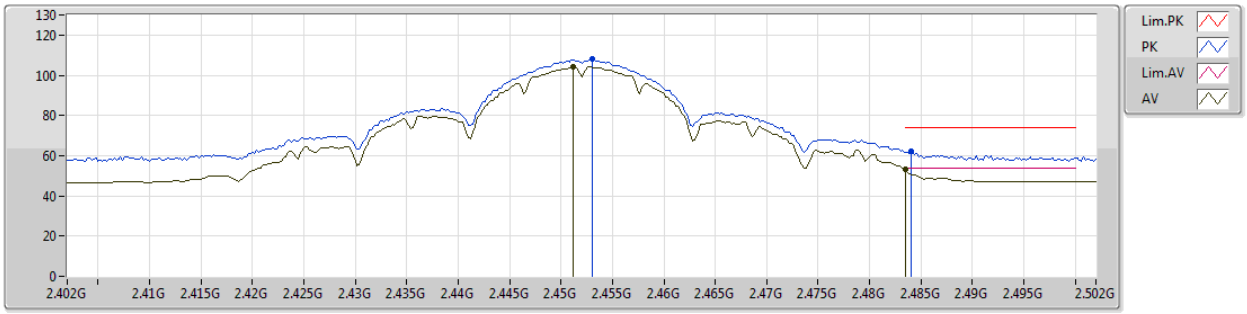
EUT Y_2TX
Setting 22.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.451G	106.00	Inf	-Inf	31.65	3	Vertical	181	2.15	-
AV	2.4512G	102.36	Inf	-Inf	31.65	3	Vertical	181	2.15	-
PK	2.4836G	61.75	74.00	-12.25	31.73	3	Vertical	181	2.15	-
AV	2.4835G	52.23	54.00	-1.77	31.73	3	Vertical	181	2.15	-

802.11b_Nss1,(1Mbps)_2TX

2452MHz_TX

12/10/2018



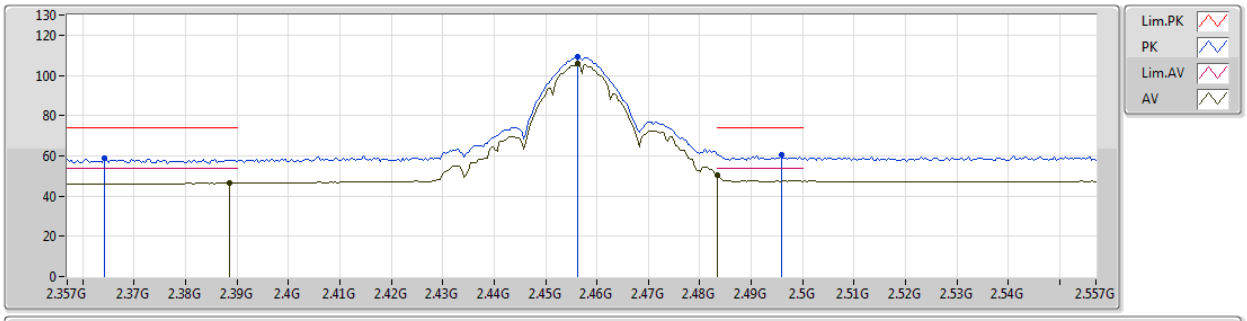
EUT Y_2TX
Setting 22.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.453G	107.88	Inf	-Inf	31.66	3	Horizontal	239	2.86	-
AV	2.4512G	104.15	Inf	-Inf	31.65	3	Horizontal	239	2.86	-
PK	2.484G	62.34	74.00	-11.66	31.73	3	Horizontal	239	2.86	-
AV	2.4835G	53.23	54.00	-0.77	31.73	3	Horizontal	239	2.86	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

12/10/2018



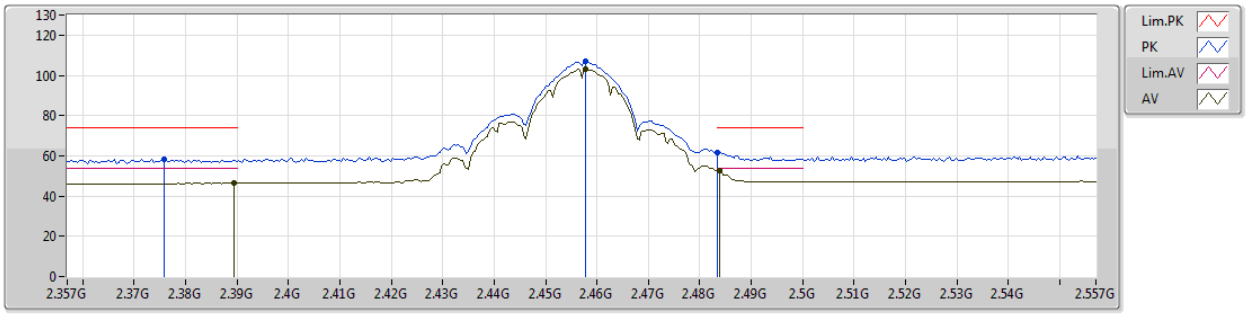
EUT Y_2TX
Setting 20
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3642G	58.61	74.00	-15.39	31.44	3	Vertical	161	1.01	-
AV	2.3886G	46.36	54.00	-7.64	31.50	3	Vertical	161	1.01	-
PK	2.4562G	109.30	Inf	-Inf	31.66	3	Vertical	161	1.01	-
AV	2.4562G	105.74	Inf	-Inf	31.66	3	Vertical	161	1.01	-
PK	2.4958G	60.46	74.00	-13.54	31.76	3	Vertical	161	1.01	-
AV	2.4835G	50.54	54.00	-3.46	31.73	3	Vertical	161	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

12/10/2018



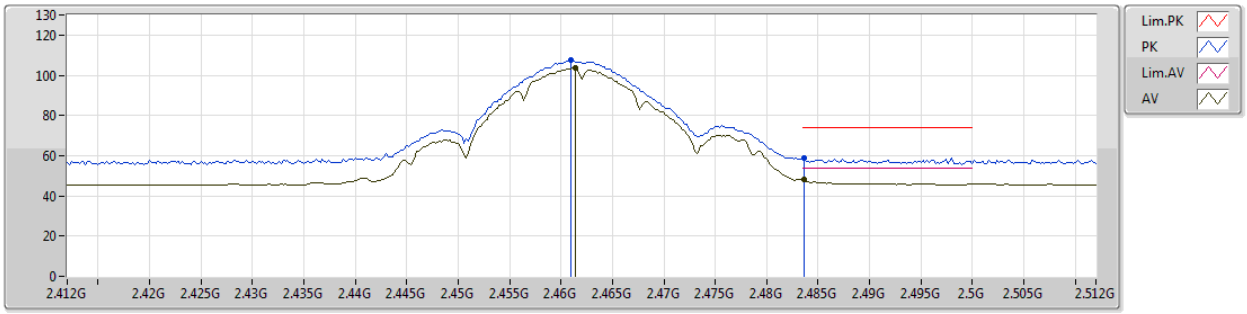
EUT Y_2TX
Setting 20
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3758G	58.45	74.00	-15.55	31.47	3	Horizontal	263	2.87	-
AV	2.3894G	46.34	54.00	-7.66	31.50	3	Horizontal	263	2.87	-
PK	2.4578G	106.87	Inf	-Inf	31.66	3	Horizontal	263	2.87	-
AV	2.4578G	103.03	Inf	-Inf	31.66	3	Horizontal	263	2.87	-
PK	2.4835G	61.46	74.00	-12.54	31.73	3	Horizontal	263	2.87	-
AV	2.4838G	52.72	54.00	-1.28	31.73	3	Horizontal	263	2.87	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

12/10/2018



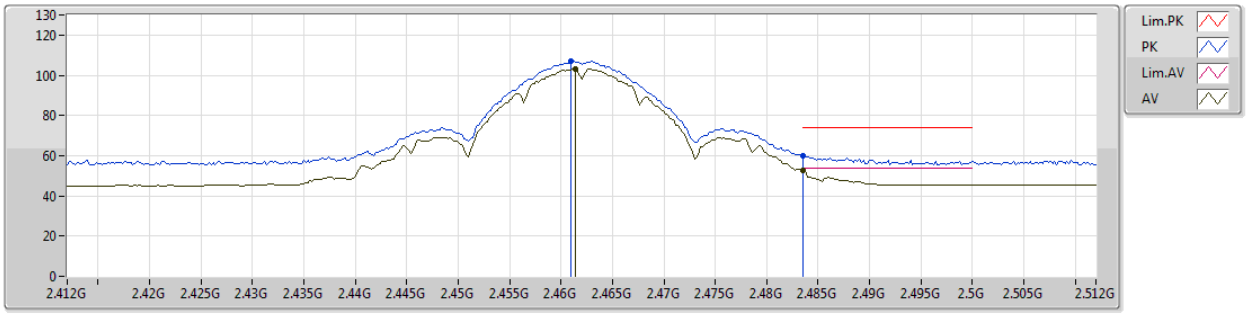
EUT Y_2TX
Setting 18
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	107.46	Inf	-Inf	32.34	3	Vertical	41	2.14	-
AV	2.4614G	103.48	Inf	-Inf	32.35	3	Vertical	41	2.14	-
PK	2.4836G	58.64	74.00	-15.36	32.42	3	Vertical	41	2.14	-
AV	2.4836G	48.05	54.00	-5.95	32.42	3	Vertical	41	2.14	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

12/10/2018



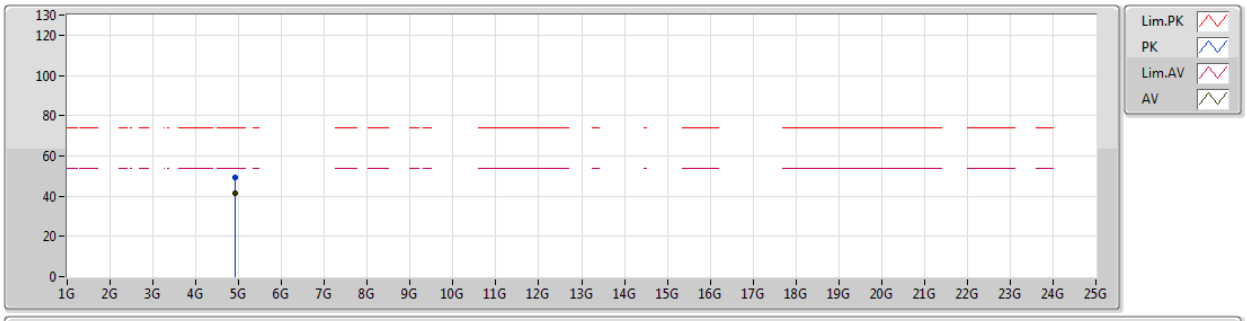
EUT Y_2TX
Setting 18
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	106.99	Inf	-Inf	32.34	3	Horizontal	24	2.30	-
AV	2.4614G	103.37	Inf	-Inf	32.35	3	Horizontal	24	2.30	-
PK	2.4835G	60.14	74.00	-13.86	32.42	3	Horizontal	24	2.30	-
AV	2.4835G	52.95	54.00	-1.05	32.42	3	Horizontal	24	2.30	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

12/10/2018



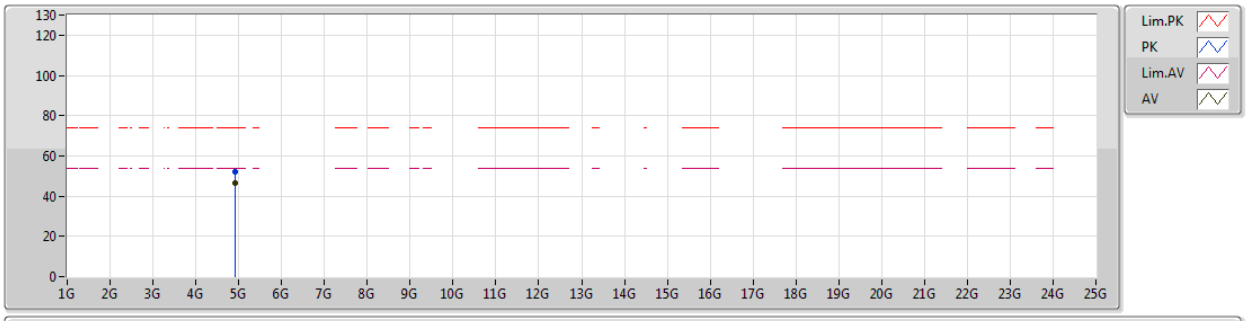
EUT Y_2TX
Setting 18
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92402G	49.42	74.00	-24.58	5.56	3	Vertical	211	1.42	-
AV	4.92408G	41.45	54.00	-12.55	5.56	3	Vertical	211	1.42	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

12/10/2018



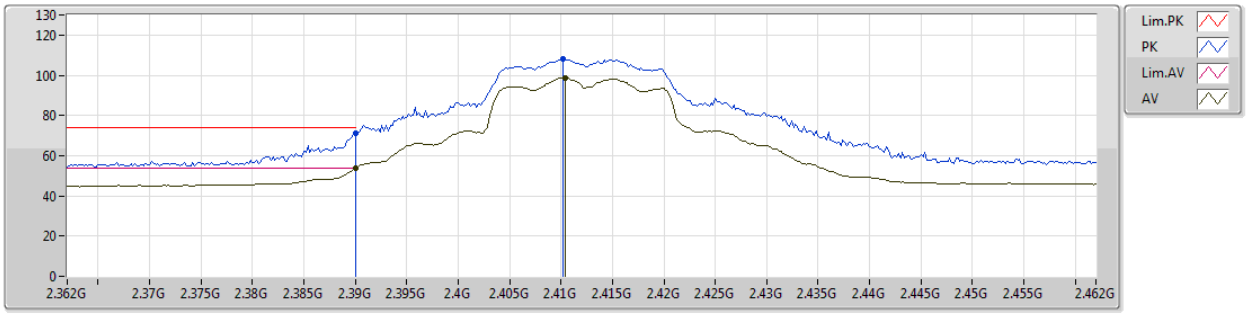
EUT Y_2TX
Setting 18
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9242G	52.22	74.00	-21.78	5.56	3	Horizontal	221	1.93	-
AV	4.9241G	46.39	54.00	-7.61	5.56	3	Horizontal	221	1.93	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/10/2018



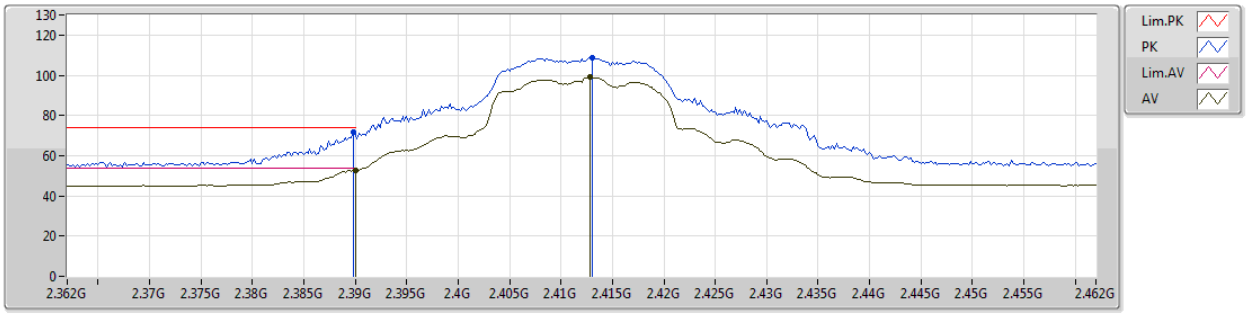
EUT Y_2TX
Setting 14
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	71.32	74.00	-2.68	32.13	3	Vertical	40	2.43	-
AV	2.39G	53.66	54.00	-0.34	32.13	3	Vertical	40	2.43	-
PK	2.4102G	108.26	Inf	-Inf	32.19	3	Vertical	40	2.43	-
AV	2.4104G	98.52	Inf	-Inf	32.19	3	Vertical	40	2.43	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/10/2018



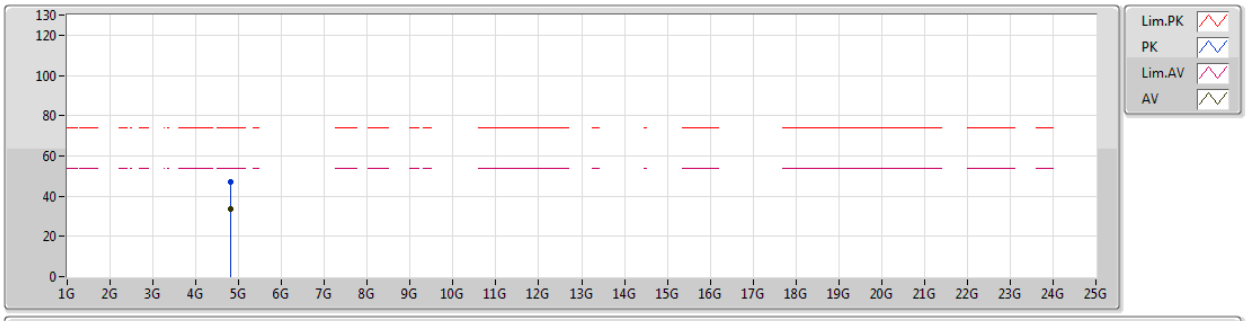
EUT Y_2TX
Setting 14
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	71.93	74.00	-2.07	32.13	3	Horizontal	83	2.65	-
AV	2.39G	52.60	54.00	-1.40	32.13	3	Horizontal	83	2.65	-
PK	2.413G	108.77	Inf	-Inf	32.20	3	Horizontal	83	2.65	-
AV	2.4128G	98.95	Inf	-Inf	32.20	3	Horizontal	83	2.65	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/10/2018



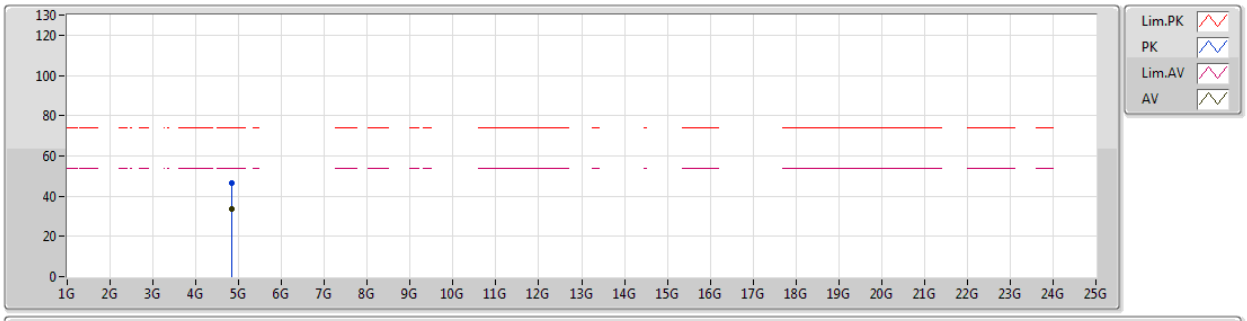
EUT Y_2TX
Setting 14
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82284G	47.26	74.00	-26.74	5.14	3	Vertical	231	2.49	-
AV	4.82128G	33.63	54.00	-20.37	5.12	3	Vertical	231	2.49	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

12/10/2018



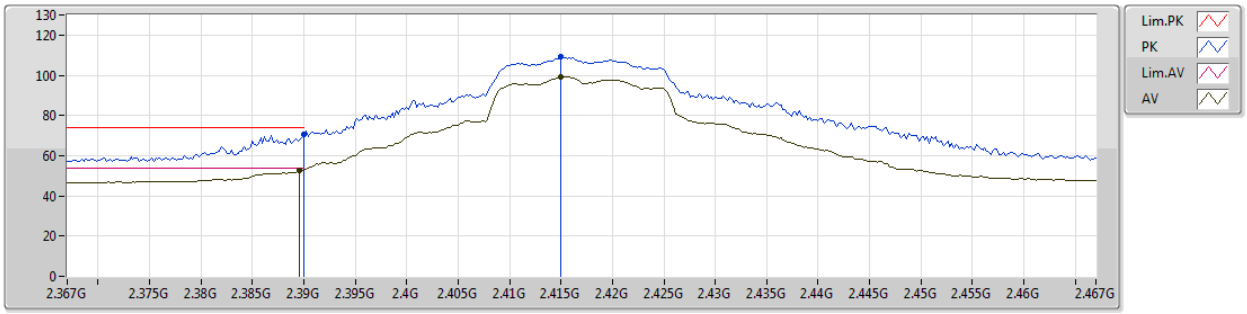
EUT Y_2TX
Setting 14
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82526G	46.72	74.00	-27.28	5.14	3	Horizontal	92	1.50	-
AV	4.82754G	33.72	54.00	-20.28	5.16	3	Horizontal	92	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

12/10/2018



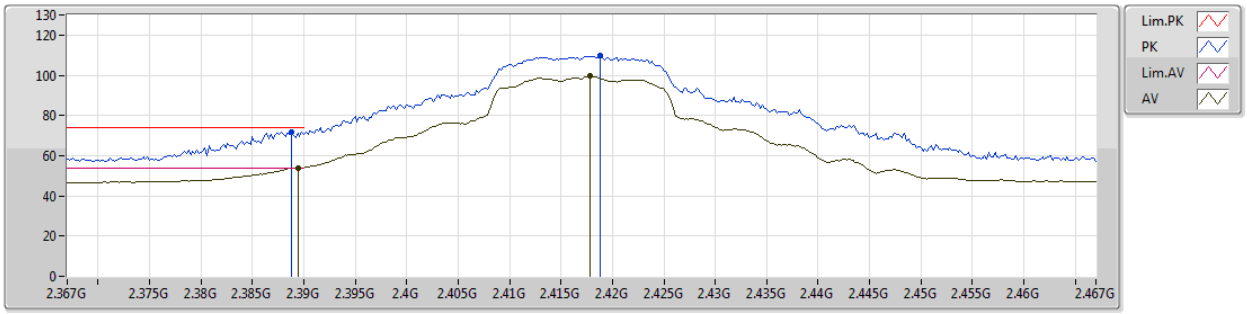
EUT Y_2TX
Setting 17.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	70.40	74.00	-3.60	31.50	3	Vertical	177	1.01	-
AV	2.3896G	52.84	54.00	-1.16	31.50	3	Vertical	177	1.01	-
PK	2.415G	109.25	Inf	-Inf	31.57	3	Vertical	177	1.01	-
AV	2.415G	99.25	Inf	-Inf	31.57	3	Vertical	177	1.01	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

12/10/2018



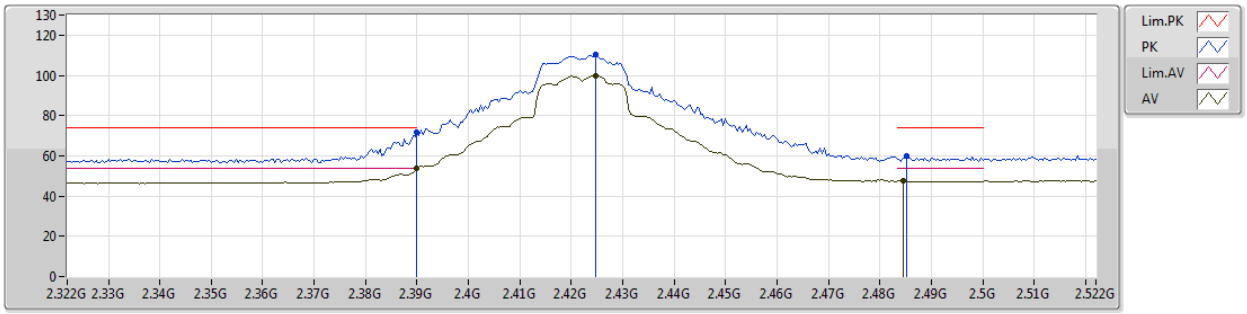
EUT Y_2TX
Setting 17.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	71.76	74.00	-2.24	31.50	3	Horizontal	260	2.66	-
AV	2.3894G	53.97	54.00	-0.03	31.50	3	Horizontal	260	2.66	-
PK	2.4188G	109.57	Inf	-Inf	31.57	3	Horizontal	260	2.66	-
AV	2.4178G	99.50	Inf	-Inf	31.57	3	Horizontal	260	2.66	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

12/10/2018



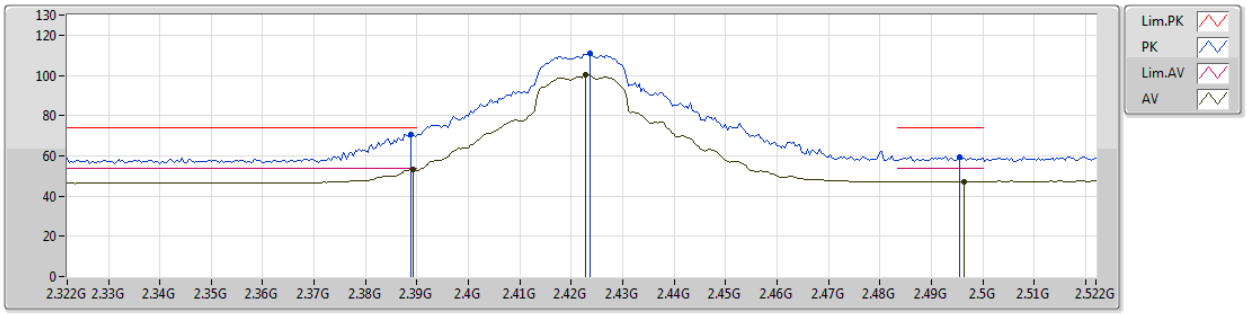
EUT Y_2TX
Setting 19
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	71.97	74.00	-2.03	31.50	3	Vertical	205	2.69	-
AV	2.39G	53.75	54.00	-0.25	31.50	3	Vertical	205	2.69	-
PK	2.4248G	110.45	Inf	-Inf	31.58	3	Vertical	205	2.69	-
AV	2.4248G	99.86	Inf	-Inf	31.58	3	Vertical	205	2.69	-
PK	2.4852G	59.70	74.00	-14.30	31.73	3	Vertical	205	2.69	-
AV	2.4845G	47.36	54.00	-6.64	31.73	3	Vertical	205	2.69	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

12/10/2018



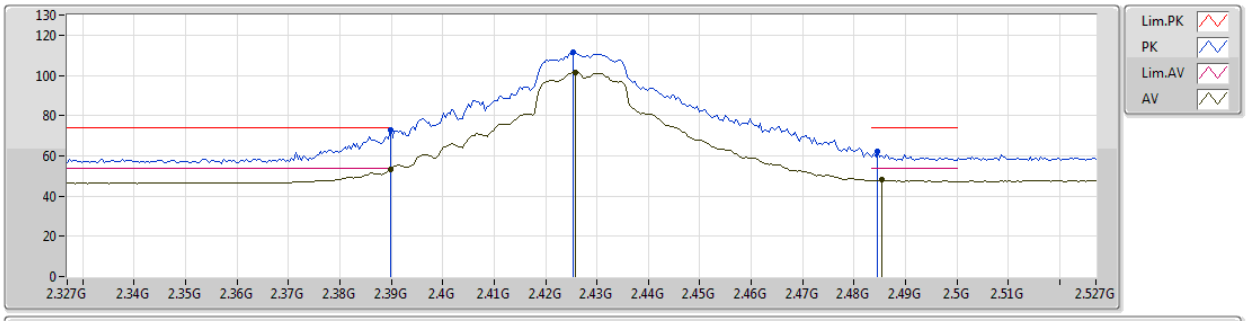
EUT Y_2TX
Setting 19
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	70.55	74.00	-3.45	31.50	3	Horizontal	249	2.36	-
AV	2.3892G	53.02	54.00	-0.98	31.50	3	Horizontal	249	2.36	-
PK	2.4236G	110.79	Inf	-Inf	31.58	3	Horizontal	249	2.36	-
AV	2.4228G	100.45	Inf	-Inf	31.58	3	Horizontal	249	2.36	-
PK	2.4956G	59.59	74.00	-14.41	31.76	3	Horizontal	249	2.36	-
AV	2.4964G	47.33	54.00	-6.67	31.76	3	Horizontal	249	2.36	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

12/10/2018



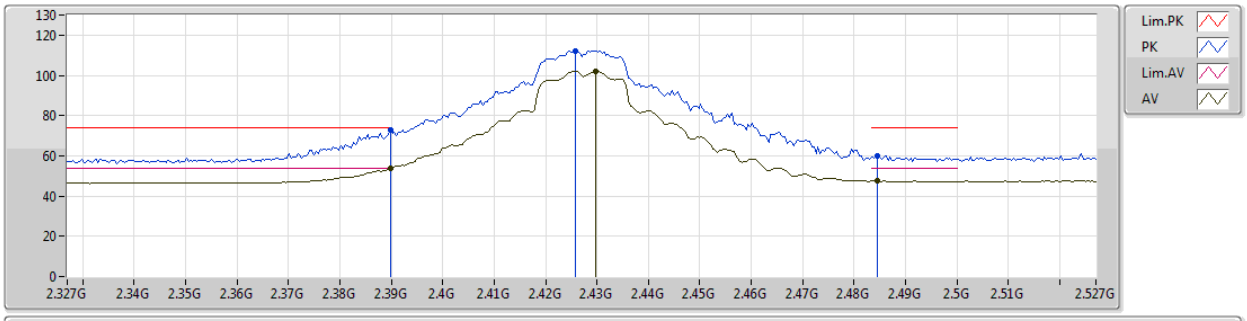
EUT Y_2TX
Setting 21
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	72.88	74.00	-1.12	31.50	3	Vertical	181	1.21	-
AV	2.3898G	53.16	54.00	-0.84	31.50	3	Vertical	181	1.21	-
PK	2.4254G	111.24	Inf	-Inf	31.60	3	Vertical	181	1.21	-
AV	2.4258G	101.68	Inf	-Inf	31.60	3	Vertical	181	1.21	-
PK	2.4846G	62.29	74.00	-11.71	31.73	3	Vertical	181	1.21	-
AV	2.4854G	48.03	54.00	-5.97	31.73	3	Vertical	181	1.21	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

12/10/2018



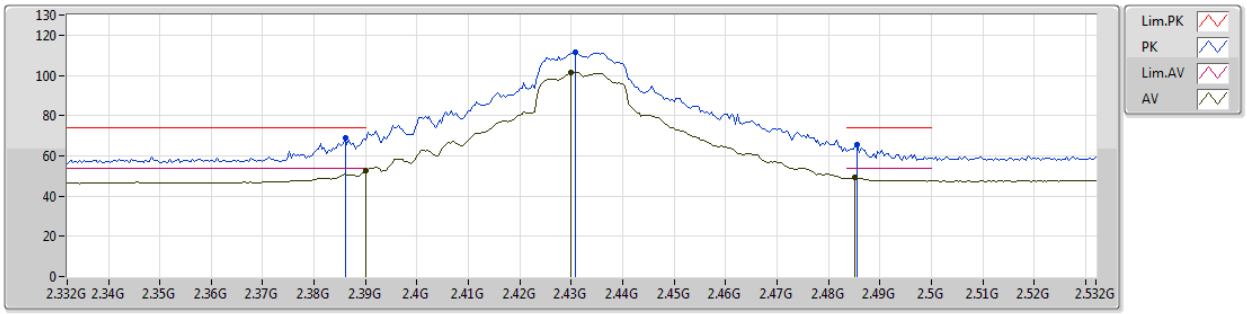
EUT Y_2TX
Setting 21
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	73.01	74.00	-0.99	31.50	3	Horizontal	272	2.91	-
AV	2.3898G	53.72	54.00	-0.28	31.50	3	Horizontal	272	2.91	-
PK	2.4258G	112.33	Inf	-Inf	31.60	3	Horizontal	272	2.91	-
AV	2.4298G	101.99	Inf	-Inf	31.60	3	Horizontal	272	2.91	-
PK	2.4846G	60.02	74.00	-13.98	31.73	3	Horizontal	272	2.91	-
AV	2.4846G	47.47	54.00	-6.53	31.73	3	Horizontal	272	2.91	-

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

12/10/2018



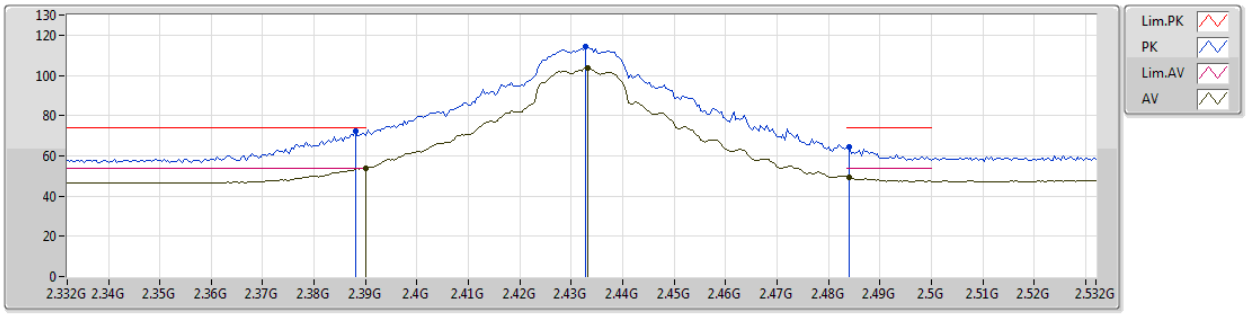
EUT Y_2TX
Setting 21.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	68.79	74.00	-5.21	31.49	3	Vertical	182	1.23	-
AV	2.39G	52.44	54.00	-1.56	31.50	3	Vertical	182	1.23	-
PK	2.4308G	111.33	Inf	-Inf	31.61	3	Vertical	182	1.23	-
AV	2.43G	101.66	Inf	-Inf	31.60	3	Vertical	182	1.23	-
PK	2.4856G	65.30	74.00	-8.70	31.73	3	Vertical	182	1.23	-
AV	2.4852G	49.11	54.00	-4.89	31.73	3	Vertical	182	1.23	-

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

12/10/2018



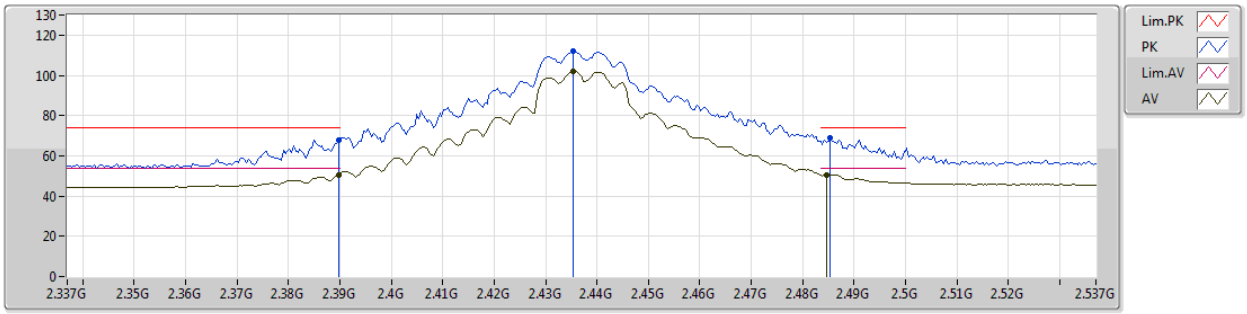
EUT Y_2TX
Setting 21.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.388G	72.55	74.00	-1.45	31.50	3	Horizontal	277	2.91	-
AV	2.39G	53.98	54.00	-0.02	31.50	3	Horizontal	277	2.91	-
PK	2.4328G	114.55	Inf	-Inf	31.61	3	Horizontal	277	2.91	-
AV	2.4332G	103.63	Inf	-Inf	31.61	3	Horizontal	277	2.91	-
PK	2.484G	64.42	74.00	-9.58	31.73	3	Horizontal	277	2.91	-
AV	2.484G	49.49	54.00	-4.51	31.73	3	Horizontal	277	2.91	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/10/2018



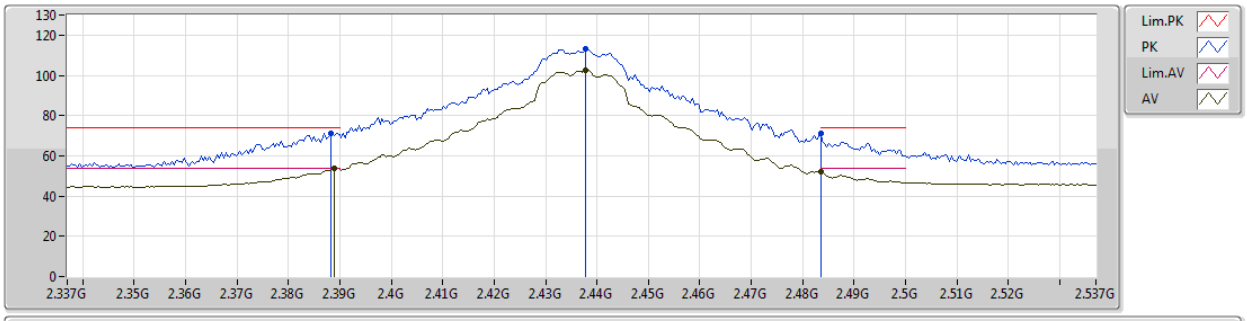
EUT Y_2TX
Setting 22
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	67.96	74.00	-6.04	32.13	3	Vertical	52	2.29	-
AV	2.3898G	50.55	54.00	-3.45	32.13	3	Vertical	52	2.29	-
PK	2.4354G	112.14	Inf	-Inf	32.26	3	Vertical	52	2.29	-
AV	2.4354G	102.07	Inf	-Inf	32.26	3	Vertical	52	2.29	-
PK	2.4854G	69.02	74.00	-4.98	32.42	3	Vertical	52	2.29	-
AV	2.4846G	50.64	54.00	-3.36	32.42	3	Vertical	52	2.29	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/10/2018



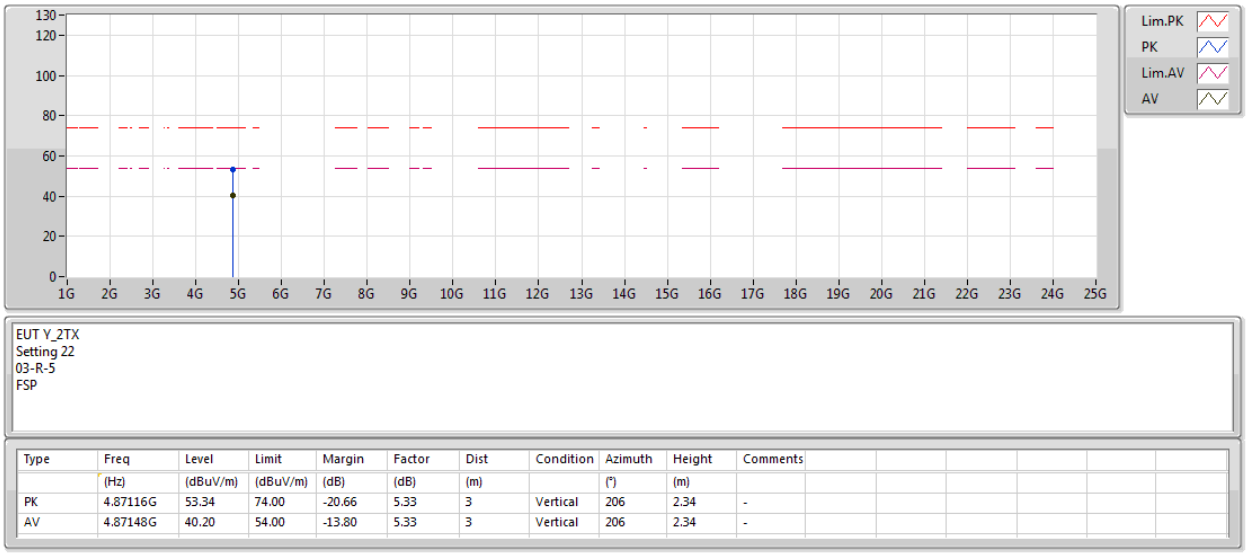
EUT Y_2TX
Setting 22
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	71.24	74.00	-2.76	32.13	3	Horizontal	83	2.37	-
AV	2.389G	53.79	54.00	-0.21	32.13	3	Horizontal	83	2.37	-
PK	2.4378G	113.25	Inf	-Inf	32.27	3	Horizontal	83	2.37	-
AV	2.4378G	102.58	Inf	-Inf	32.27	3	Horizontal	83	2.37	-
PK	2.4835G	71.37	74.00	-2.63	32.42	3	Horizontal	83	2.37	-
AV	2.4835G	52.26	54.00	-1.74	32.42	3	Horizontal	83	2.37	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/10/2018



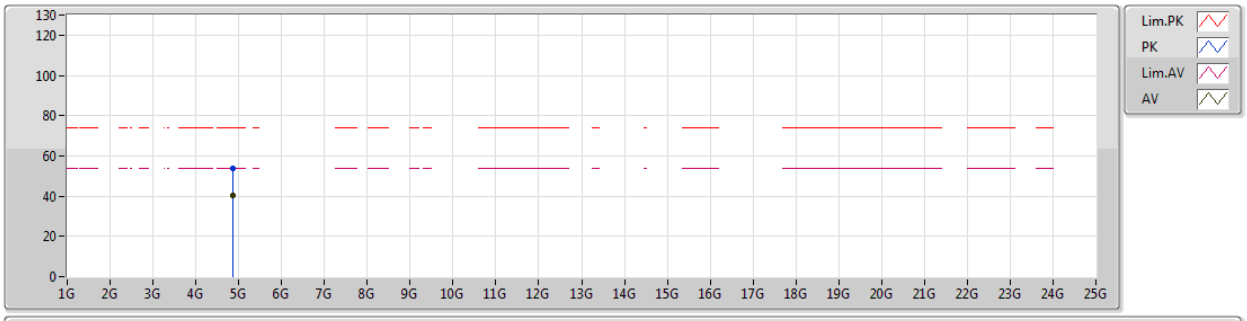
EUT Y_2TX
Setting 22
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87116G	53.34	74.00	-20.66	5.33	3	Vertical	206	2.34	-
AV	4.87148G	40.20	54.00	-13.80	5.33	3	Vertical	206	2.34	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

12/10/2018



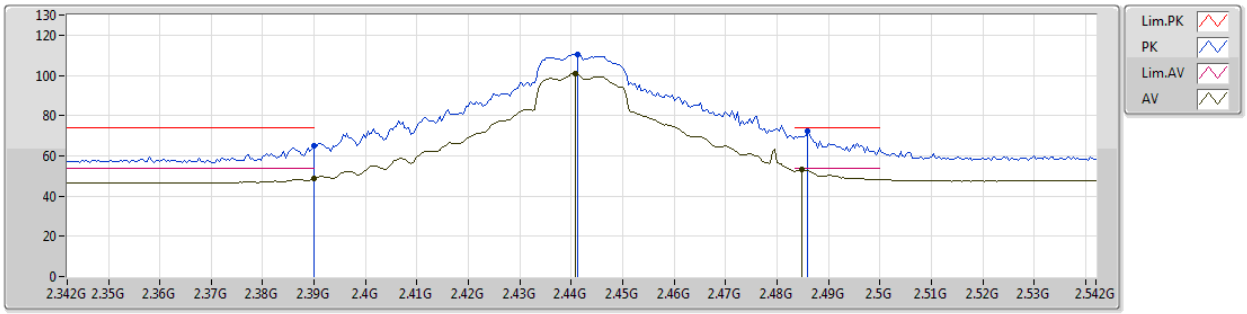
EUT Y_2TX
Setting 22
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87164G	53.70	74.00	-20.30	5.33	3	Horizontal	266	1.92	-
AV	4.87636G	40.10	54.00	-13.90	5.35	3	Horizontal	266	1.92	-

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

12/10/2018



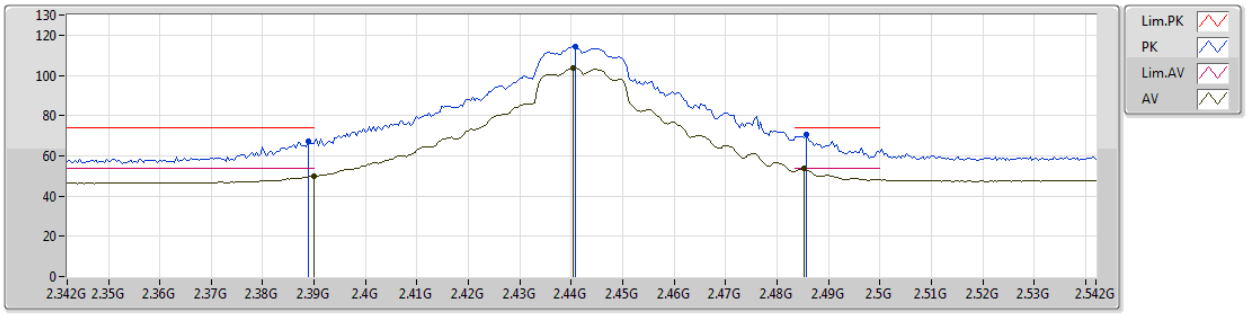
EUT Y_2TX
Setting 22
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	64.77	74.00	-9.23	31.50	3	Vertical	181	1.25	-
AV	2.39G	48.89	54.00	-5.11	31.50	3	Vertical	181	1.25	-
PK	2.4412G	110.64	Inf	-Inf	31.62	3	Vertical	181	1.25	-
AV	2.4408G	100.91	Inf	-Inf	31.62	3	Vertical	181	1.25	-
PK	2.486G	72.08	74.00	-1.92	31.73	3	Vertical	181	1.25	-
AV	2.4848G	53.00	54.00	-1.00	31.73	3	Vertical	181	1.25	-

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

12/10/2018



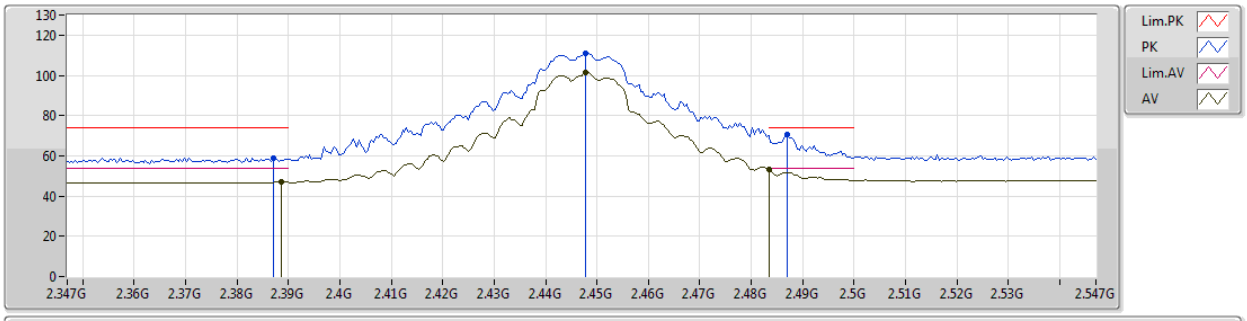
EUT Y_2TX
Setting 22
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	67.24	74.00	-6.76	31.50	3	Horizontal	278	2.89	-
AV	2.39G	50.02	54.00	-3.98	31.50	3	Horizontal	278	2.89	-
PK	2.4408G	114.43	Inf	-Inf	31.62	3	Horizontal	278	2.89	-
AV	2.4404G	103.84	Inf	-Inf	31.62	3	Horizontal	278	2.89	-
PK	2.4856G	70.81	74.00	-3.19	31.73	3	Horizontal	278	2.89	-
AV	2.4852G	53.52	54.00	-0.48	31.73	3	Horizontal	278	2.89	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

12/10/2018



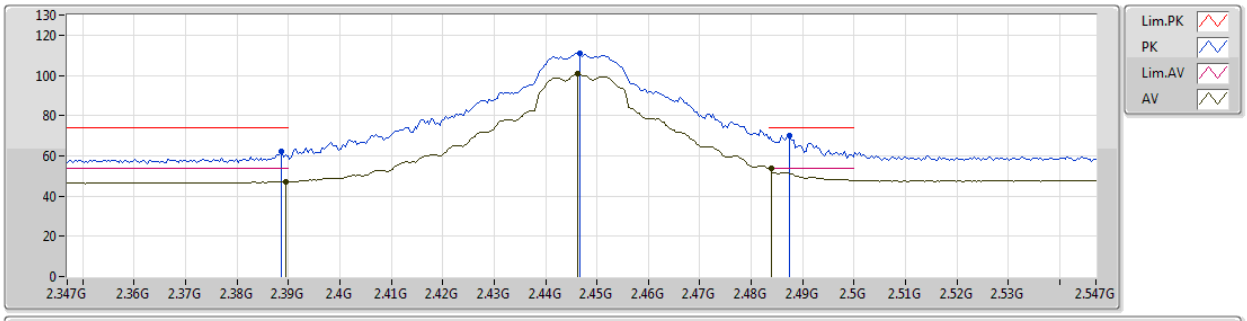
EUT Y_2TX
Setting 20
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	59.02	74.00	-14.98	31.49	3	Vertical	161	1.07	-
AV	2.3886G	46.93	54.00	-7.07	31.50	3	Vertical	161	1.07	-
PK	2.4478G	111.22	Inf	-Inf	31.65	3	Vertical	161	1.07	-
AV	2.4478G	101.26	Inf	-Inf	31.65	3	Vertical	161	1.07	-
PK	2.487G	70.38	74.00	-3.62	31.74	3	Vertical	161	1.07	-
AV	2.4835G	52.99	54.00	-1.01	31.73	3	Vertical	161	1.07	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

12/10/2018



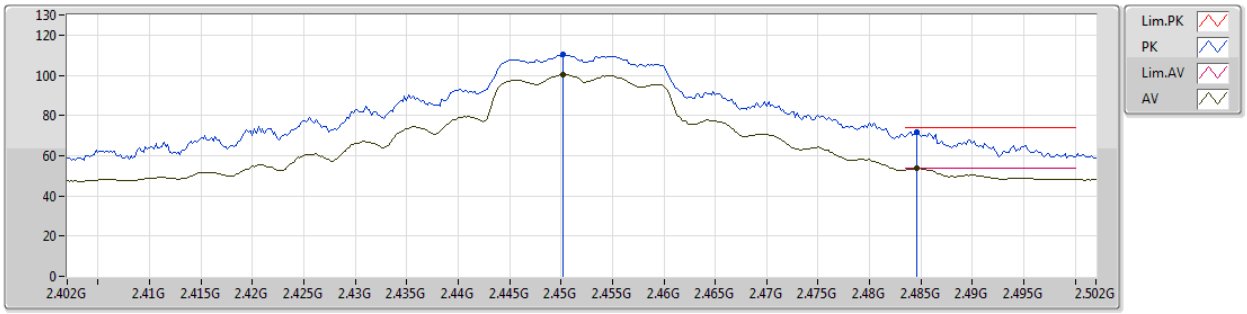
EUT Y_2TX
Setting 20
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	62.21	74.00	-11.79	31.50	3	Horizontal	181	1.34	-
AV	2.3894G	47.17	54.00	-6.83	31.50	3	Horizontal	181	1.34	-
PK	2.4466G	110.78	Inf	-Inf	31.64	3	Horizontal	181	1.34	-
AV	2.4462G	100.99	Inf	-Inf	31.64	3	Horizontal	181	1.34	-
PK	2.4874G	69.89	74.00	-4.11	31.74	3	Horizontal	181	1.34	-
AV	2.484G	53.73	54.00	-0.27	31.73	3	Horizontal	181	1.34	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

12/10/2018



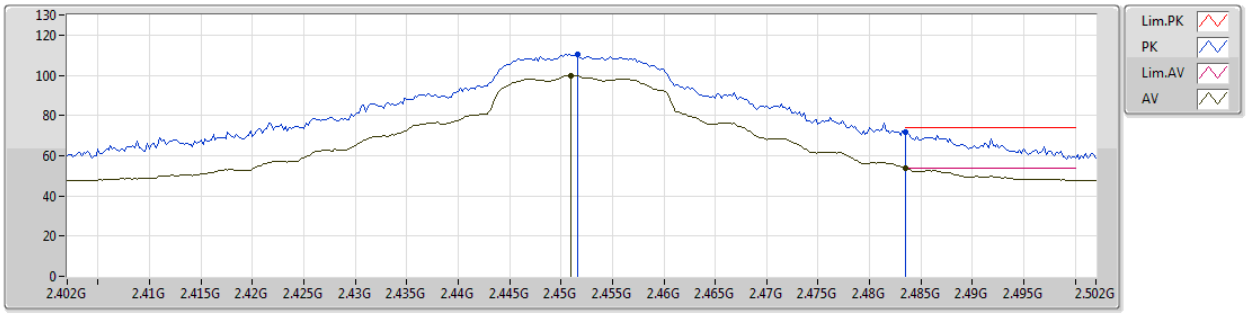
EUT Y_2TX
Setting 19
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4502G	110.34	Inf	-Inf	31.65	3	Vertical	169	1.07	-
AV	2.4502G	100.16	Inf	-Inf	31.65	3	Vertical	169	1.07	-
PK	2.4846G	71.97	74.00	-2.03	31.73	3	Vertical	169	1.07	-
AV	2.4846G	53.66	54.00	-0.34	31.73	3	Vertical	169	1.07	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

12/10/2018



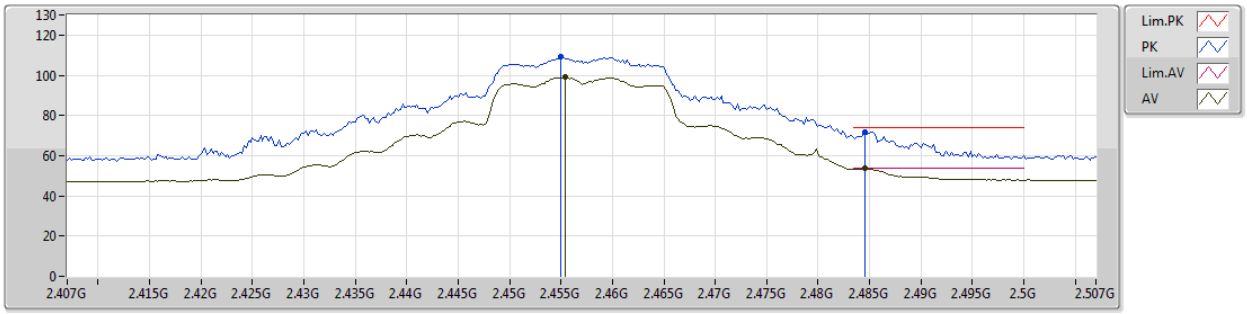
EUT Y_2TX
Setting 19
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4516G	110.50	Inf	-Inf	31.65	3	Horizontal	176	1.49	-
AV	2.451G	99.92	Inf	-Inf	31.65	3	Horizontal	176	1.49	-
PK	2.4835G	71.89	74.00	-2.11	31.73	3	Horizontal	176	1.49	-
AV	2.4835G	53.72	54.00	-0.28	31.73	3	Horizontal	176	1.49	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

12/10/2018



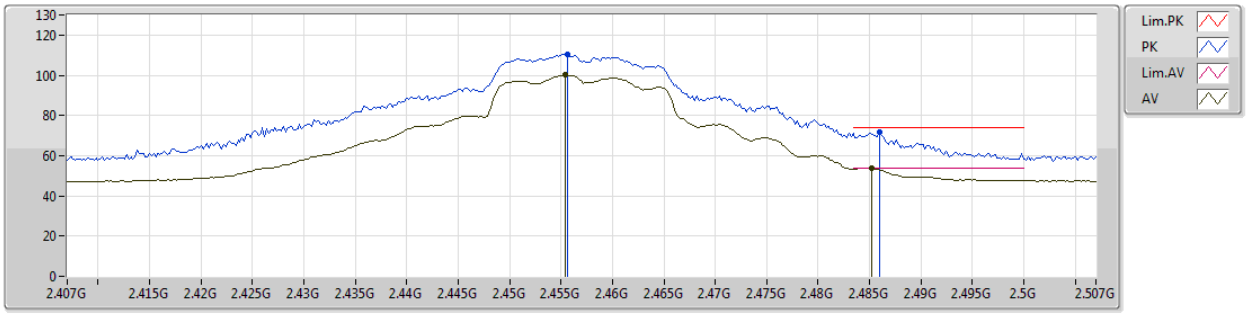
EUT Y_2TX
Setting 17
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.455G	109.03	Inf	-Inf	31.66	3	Vertical	218	2.90	-
AV	2.4554G	98.92	Inf	-Inf	31.66	3	Vertical	218	2.90	-
PK	2.4846G	71.74	74.00	-2.26	31.73	3	Vertical	218	2.90	-
AV	2.4846G	53.53	54.00	-0.47	31.73	3	Vertical	218	2.90	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

12/10/2018



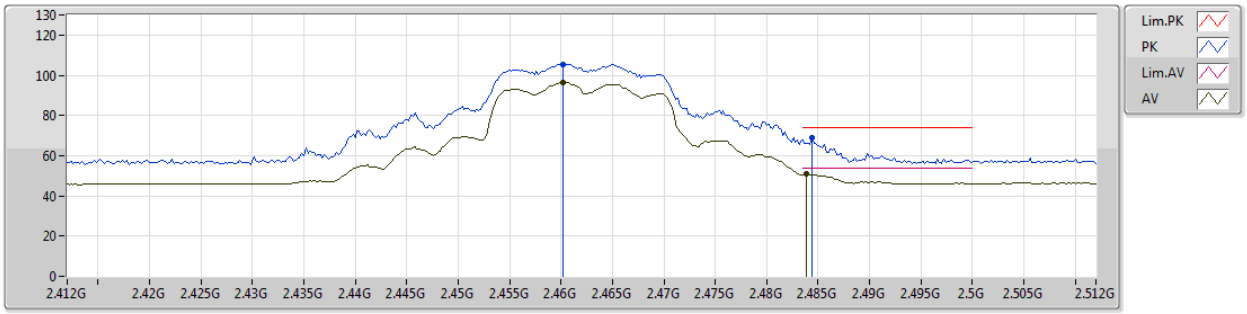
EUT Y_2TX
Setting 17
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4556G	110.53	Inf	-Inf	31.66	3	Horizontal	268	2.87	-
AV	2.4554G	100.33	Inf	-Inf	31.66	3	Horizontal	268	2.87	-
PK	2.486G	71.81	74.00	-2.19	31.73	3	Horizontal	268	2.87	-
AV	2.4852G	53.98	54.00	-0.02	31.73	3	Horizontal	268	2.87	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/10/2018



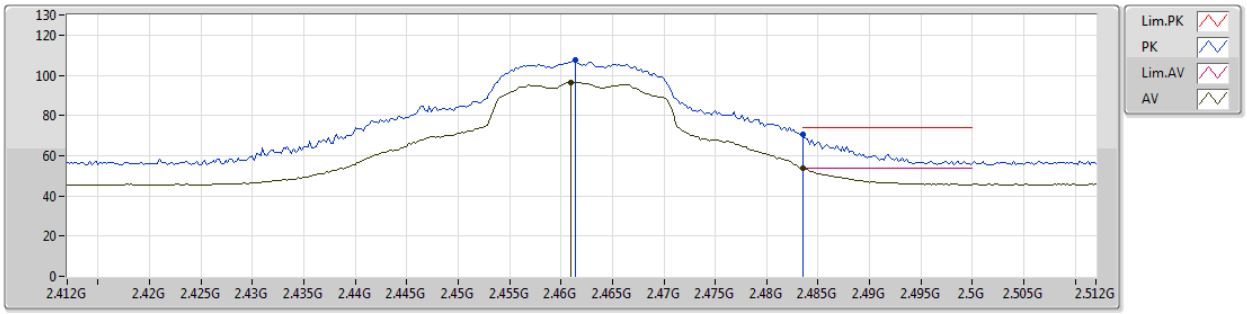
EUT Y_2TX
Setting 13.5
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4602G	105.53	Inf	-Inf	32.34	3	Vertical	53	2.67	-
AV	2.4602G	96.39	Inf	-Inf	32.34	3	Vertical	53	2.67	-
PK	2.4844G	68.79	74.00	-5.21	32.42	3	Vertical	53	2.67	-
AV	2.4838G	50.73	54.00	-3.27	32.42	3	Vertical	53	2.67	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/10/2018



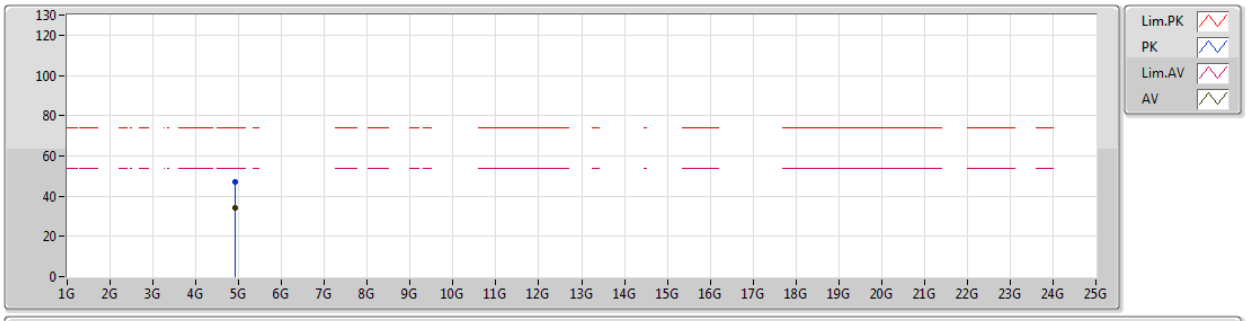
EUT Y_2TX
Setting 13.5
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4614G	107.57	Inf	-Inf	32.35	3	Horizontal	55	2.30	-
AV	2.461G	96.62	Inf	-Inf	32.34	3	Horizontal	55	2.30	-
PK	2.4835G	70.41	74.00	-3.59	32.42	3	Horizontal	55	2.30	-
AV	2.4835G	53.98	54.00	-0.02	32.42	3	Horizontal	55	2.30	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/10/2018



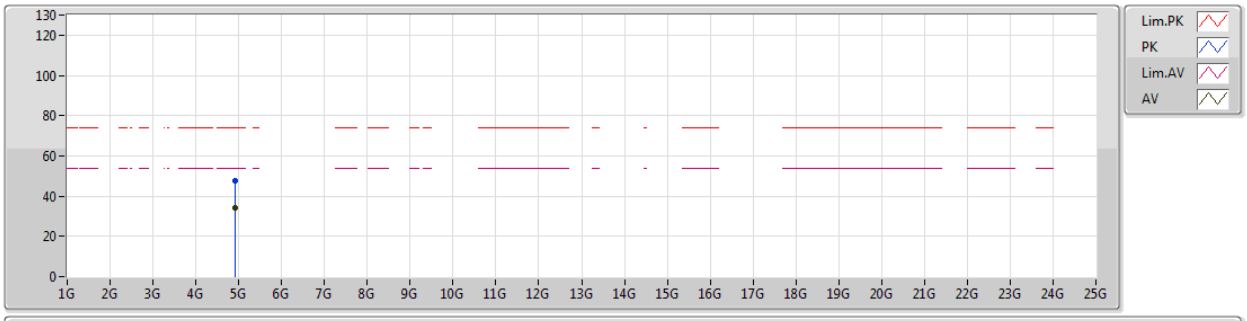
EUT Y_2TX
Setting 13.5
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92058G	47.20	74.00	-26.80	5.54	3	Vertical	226	1.88	-
AV	4.9265G	34.24	54.00	-19.76	5.57	3	Vertical	226	1.88	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

12/10/2018



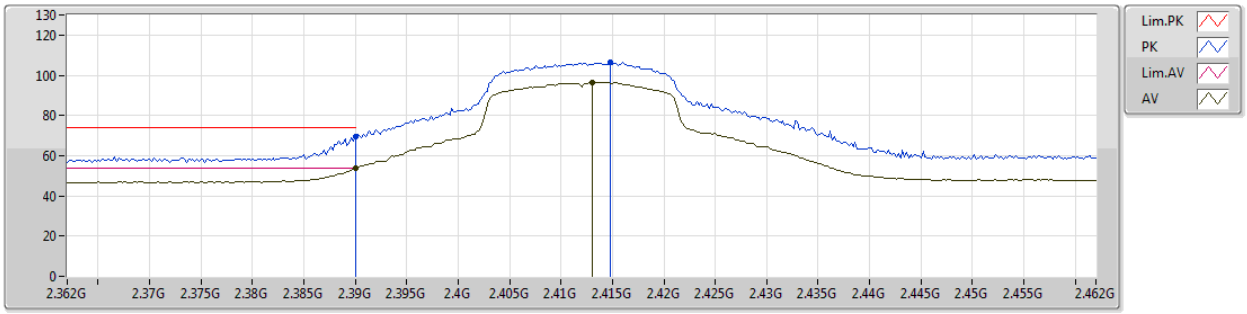
EUT Y_2TX
Setting 13.5
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92138G	47.73	74.00	-26.27	5.54	3	Horizontal	219	2.48	-
AV	4.92506G	34.39	54.00	-19.61	5.56	3	Horizontal	219	2.48	-

802.11n HT20_Nss1,(MCS0)_2TX

12/10/2018

2412MHz_TX



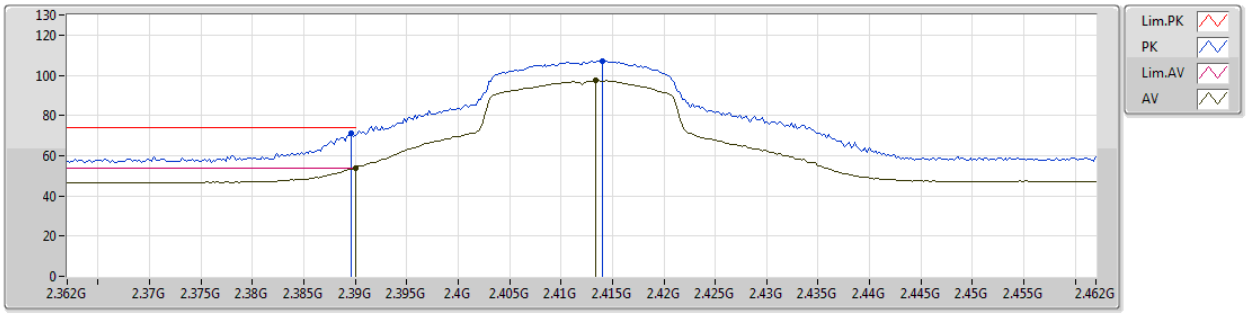
EUT Y_2TX
Setting 14
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	69.67	74.00	-4.33	31.50	3	Vertical	208	1.01	-
AV	2.39G	53.54	54.00	-0.46	31.50	3	Vertical	208	1.01	-
PK	2.4148G	106.57	Inf	-Inf	31.57	3	Vertical	208	1.01	-
AV	2.413G	96.46	Inf	-Inf	31.56	3	Vertical	208	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

12/10/2018



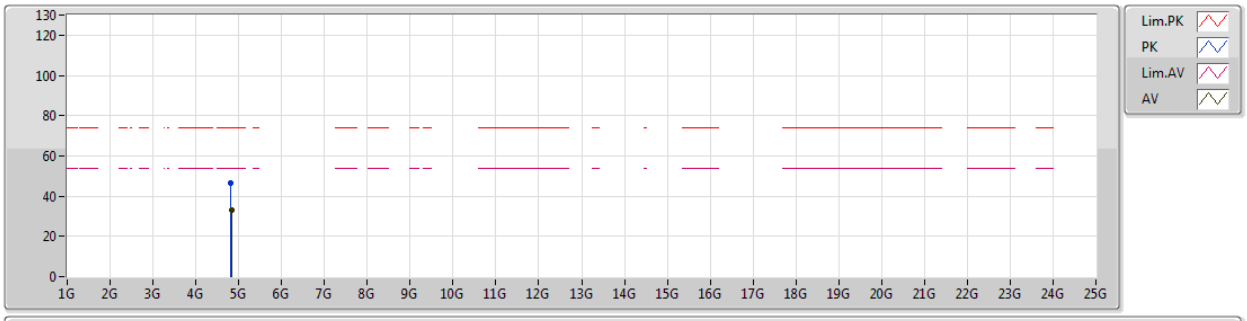
EUT Y_2TX
Setting 14
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	71.02	74.00	-2.98	31.50	3	Horizontal	259	2.66	-
AV	2.39G	53.89	54.00	-0.11	31.50	3	Horizontal	259	2.66	-
PK	2.414G	107.14	Inf	-Inf	31.57	3	Horizontal	259	2.66	-
AV	2.4134G	97.55	Inf	-Inf	31.56	3	Horizontal	259	2.66	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

12/10/2018



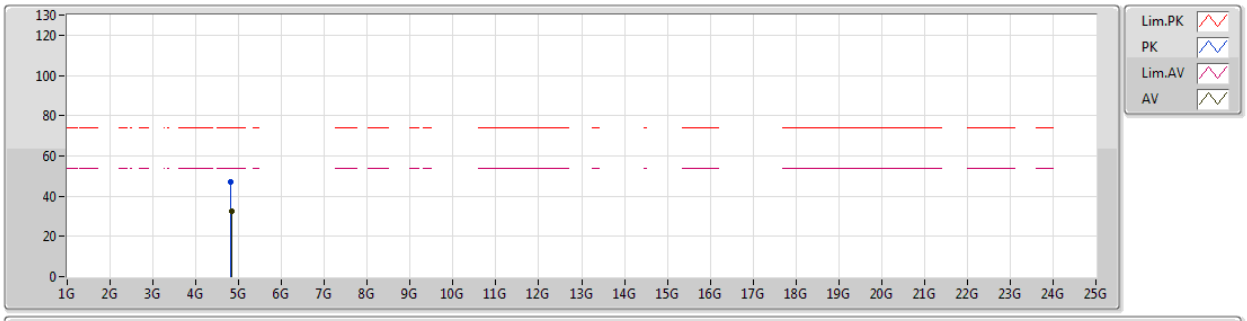
EUT Y_2TX
Setting 14
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82406G	46.58	74.00	-27.42	7.92	3	Vertical	153	1.15	-
AV	4.82611G	32.83	54.00	-21.17	7.93	3	Vertical	153	1.15	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

12/10/2018



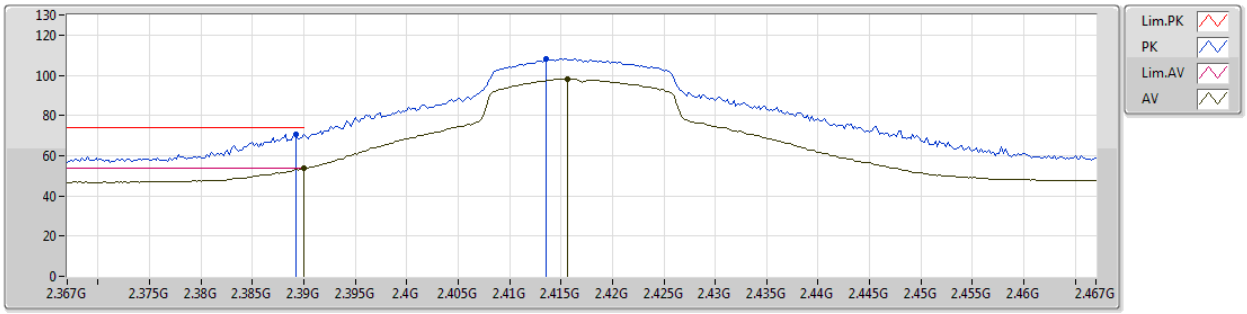
EUT Y_2TX
Setting 14
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82446G	46.93	74.00	-27.07	7.92	3	Horizontal	225	1.95	-
AV	4.82511G	32.60	54.00	-21.40	7.93	3	Horizontal	225	1.95	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

13/10/2018



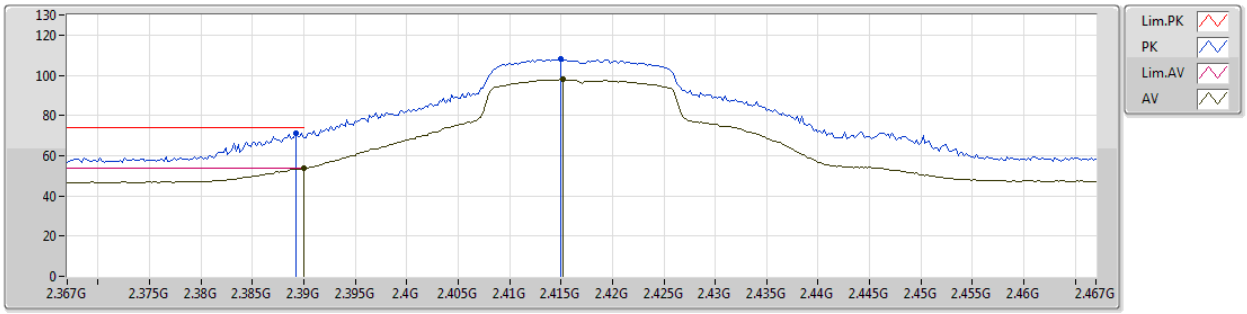
EUT Y_2TX
Setting 17
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	70.66	74.00	-3.34	31.50	3	Vertical	230	1.02	-
AV	2.39G	53.53	54.00	-0.47	31.50	3	Vertical	230	1.02	-
PK	2.4136G	108.16	Inf	-Inf	31.56	3	Vertical	230	1.02	-
AV	2.4156G	98.26	Inf	-Inf	31.57	3	Vertical	230	1.02	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

13/10/2018



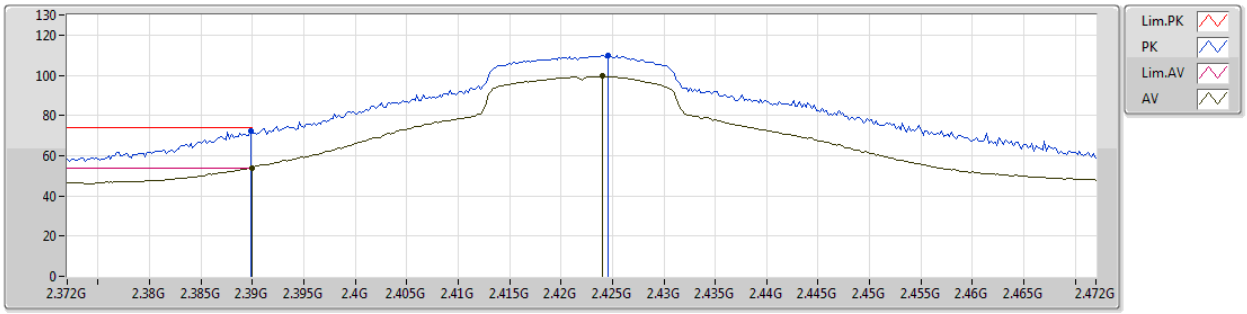
EUT Y_2TX
Setting 17
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	71.43	74.00	-2.57	31.50	3	Horizontal	256	2.64	-
AV	2.39G	53.92	54.00	-0.08	31.50	3	Horizontal	256	2.64	-
PK	2.415G	108.15	Inf	-Inf	31.57	3	Horizontal	256	2.64	-
AV	2.4152G	98.02	Inf	-Inf	31.57	3	Horizontal	256	2.64	-

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

13/10/2018



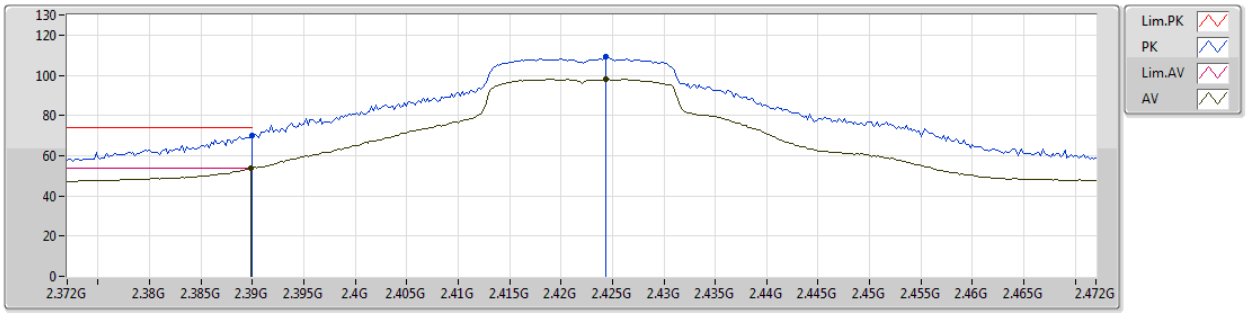
EUT Y_2TX
Setting 19
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	72.32	74.00	-1.68	31.50	3	Vertical	199	1.02	-
AV	2.39G	53.97	54.00	-0.03	31.50	3	Vertical	199	1.02	-
PK	2.4246G	109.87	Inf	-Inf	31.58	3	Vertical	199	1.02	-
AV	2.424G	99.52	Inf	-Inf	31.58	3	Vertical	199	1.02	-

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

13/10/2018



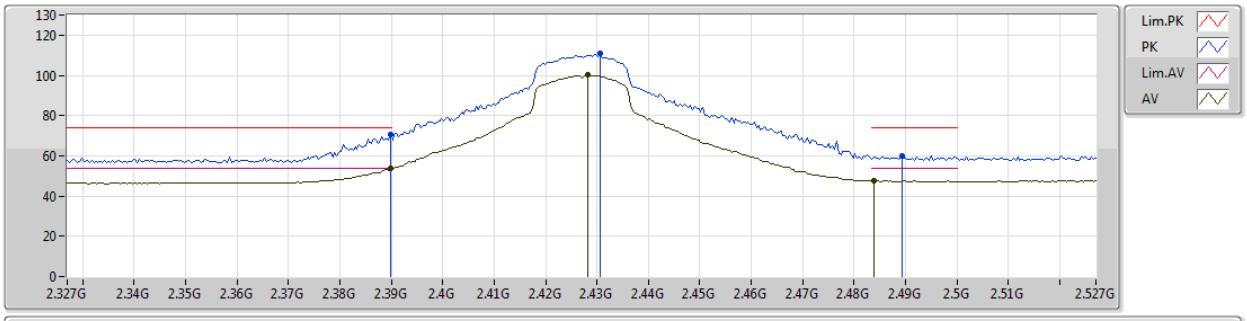
EUT Y_2TX
Setting 19
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	70.29	74.00	-3.71	31.50	3	Horizontal	252	2.36	-
AV	2.3898G	53.71	54.00	-0.29	31.50	3	Horizontal	252	2.36	-
PK	2.4244G	109.14	Inf	-Inf	31.58	3	Horizontal	252	2.36	-
AV	2.4244G	97.94	Inf	-Inf	31.58	3	Horizontal	252	2.36	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

13/10/2018



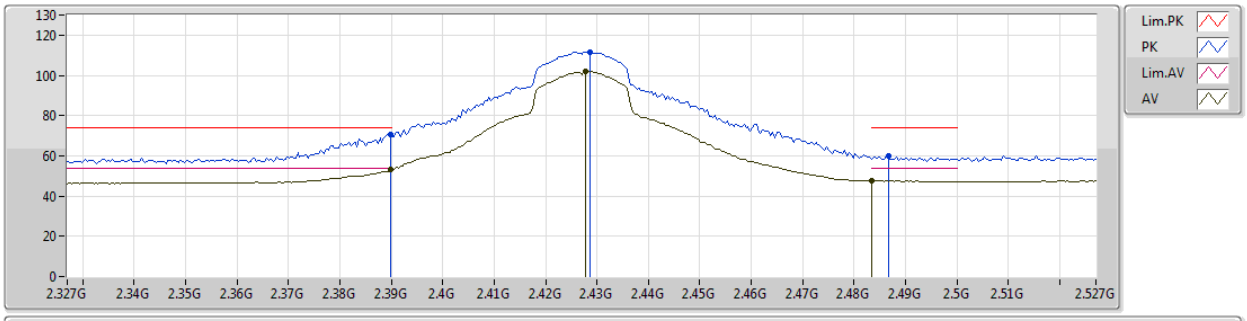
EUT Y_2TX
Setting 20.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.39	74.00	-3.61	31.50	3	Vertical	201	1.60	-
AV	2.3898G	53.56	54.00	-0.44	31.50	3	Vertical	201	1.60	-
PK	2.4306G	110.83	Inf	-Inf	31.61	3	Vertical	201	1.60	-
AV	2.4282G	100.13	Inf	-Inf	31.60	3	Vertical	201	1.60	-
PK	2.4894G	59.74	74.00	-14.26	31.74	3	Vertical	201	1.60	-
AV	2.4838G	47.73	54.00	-6.27	31.73	3	Vertical	201	1.60	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

13/10/2018



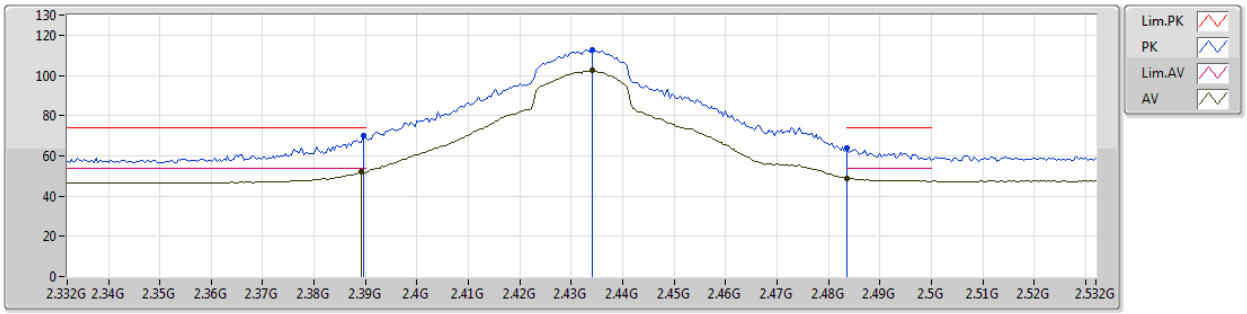
EUT Y_2TX
Setting 20.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.54	74.00	-3.46	31.50	3	Horizontal	250	1.50	-
AV	2.3898G	52.96	54.00	-1.04	31.50	3	Horizontal	250	1.50	-
PK	2.4286G	111.67	Inf	-Inf	31.60	3	Horizontal	250	1.50	-
AV	2.4278G	101.76	Inf	-Inf	31.60	3	Horizontal	250	1.50	-
PK	2.4866G	59.95	74.00	-14.05	31.74	3	Horizontal	250	1.50	-
AV	2.4835G	47.62	54.00	-6.38	31.73	3	Horizontal	250	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

13/10/2018



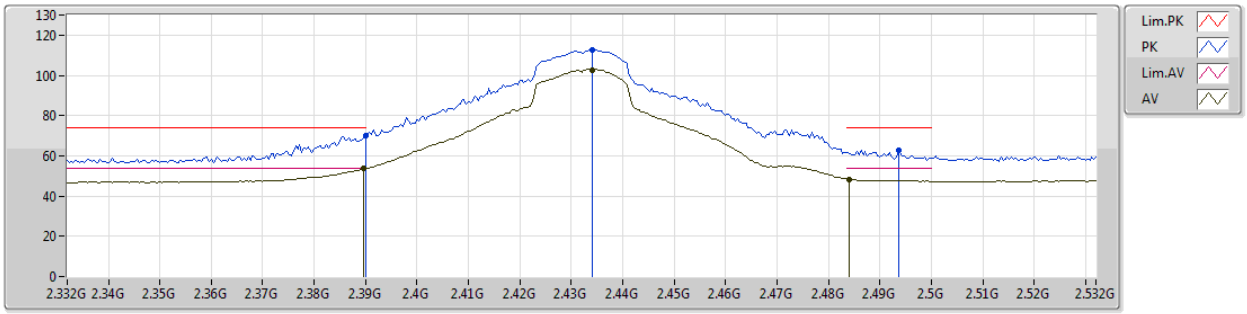
EUT Y_2TX
Setting 21
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	70.19	74.00	-3.81	31.50	3	Vertical	259	2.58	-
AV	2.3892G	51.91	54.00	-2.09	31.50	3	Vertical	259	2.58	-
PK	2.434G	112.47	Inf	-Inf	31.61	3	Vertical	259	2.58	-
AV	2.434G	102.33	Inf	-Inf	31.61	3	Vertical	259	2.58	-
PK	2.4835G	64.00	74.00	-10.00	31.73	3	Vertical	259	2.58	-
AV	2.4835G	48.78	54.00	-5.22	31.73	3	Vertical	259	2.58	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

13/10/2018



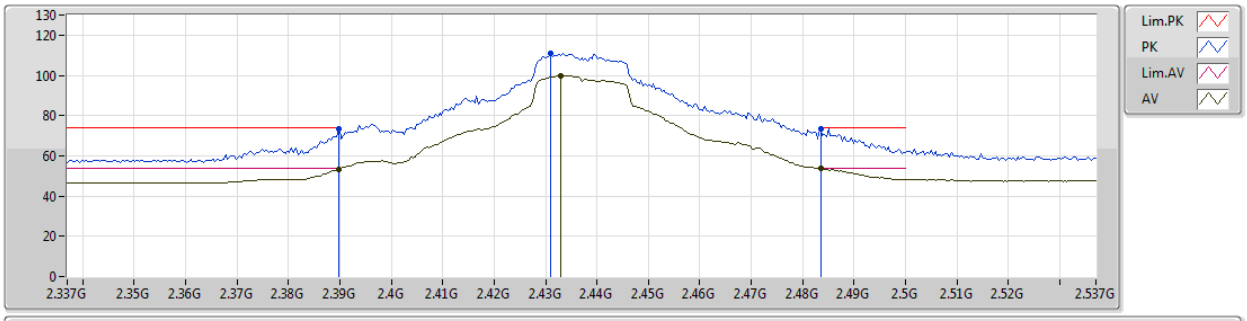
EUT Y_2TX
Setting 21
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	53.61	54.00	-0.39	31.50	3	Horizontal	265	2.61	-
PK	2.39G	70.19	74.00	-3.81	31.50	3	Horizontal	265	2.61	-
AV	2.434G	102.65	Inf	-Inf	31.61	3	Horizontal	265	2.61	-
PK	2.434G	112.90	Inf	-Inf	31.61	3	Horizontal	265	2.61	-
AV	2.484G	48.43	54.00	-5.57	31.73	3	Horizontal	265	2.61	-
PK	2.4936G	62.87	74.00	-11.13	31.76	3	Horizontal	265	2.61	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

12/10/2018



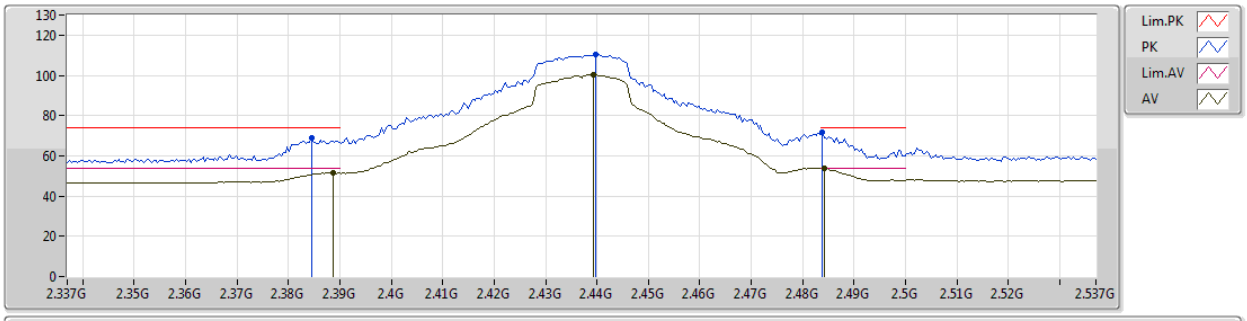
EUT Y_2TX
Setting 23
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	73.16	74.00	-0.84	31.50	3	Vertical	169	1.25	-
AV	2.3898G	53.43	54.00	-0.57	31.50	3	Vertical	169	1.25	-
PK	2.431G	110.81	Inf	-Inf	31.61	3	Vertical	169	1.25	-
AV	2.433G	100.01	Inf	-Inf	31.61	3	Vertical	169	1.25	-
PK	2.4835G	73.42	74.00	-0.58	31.73	3	Vertical	169	1.25	-
AV	2.4835G	53.71	54.00	-0.29	31.73	3	Vertical	169	1.25	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

12/10/2018



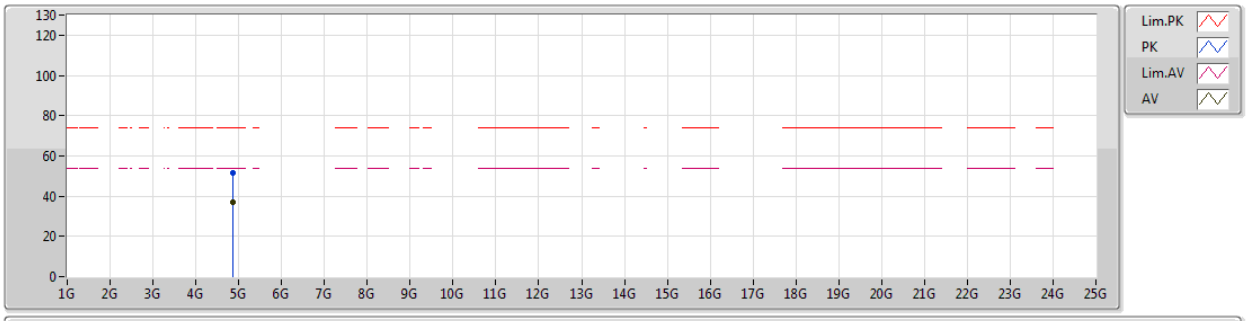
EUT Y_2TX
Setting 23
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3846G	69.06	74.00	-4.94	31.49	3	Horizontal	170	2.56	-
AV	2.3886G	51.59	54.00	-2.41	31.50	3	Horizontal	170	2.56	-
PK	2.4398G	110.24	Inf	-Inf	31.62	3	Horizontal	170	2.56	-
AV	2.4394G	100.22	Inf	-Inf	31.62	3	Horizontal	170	2.56	-
PK	2.4838G	71.90	74.00	-2.10	31.73	3	Horizontal	170	2.56	-
AV	2.4842G	53.84	54.00	-0.16	31.73	3	Horizontal	170	2.56	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

13/10/2018



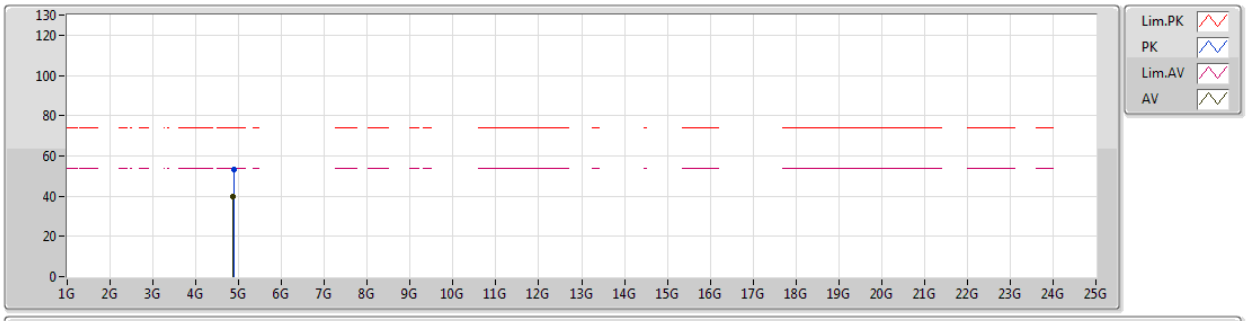
EUT Y_2TX
Setting 23
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86888G	51.69	74.00	-22.31	8.02	3	Vertical	111	1.28	-
AV	4.87008G	37.02	54.00	-16.98	8.02	3	Vertical	111	1.28	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

13/10/2018



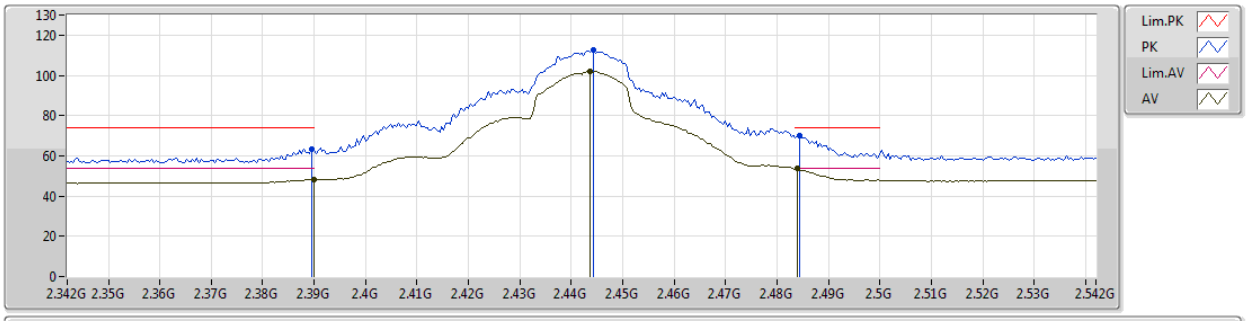
EUT Y_2TX
Setting 23
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87872G	53.30	74.00	-20.70	8.04	3	Horizontal	40	2.42	-
AV	4.87624G	40.00	54.00	-14.00	8.04	3	Horizontal	40	2.42	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

13/10/2018



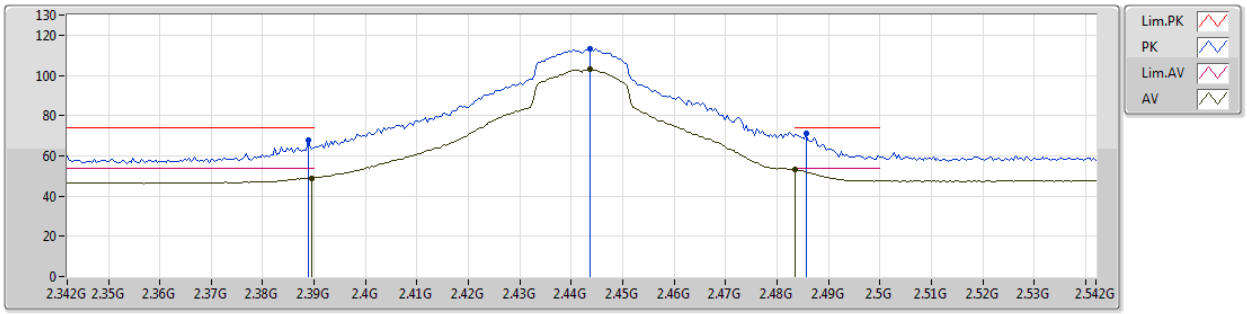
EUT Y_2TX
Setting 21
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	63.20	74.00	-10.80	31.50	3	Vertical	166	1.10	-
AV	2.39G	48.44	54.00	-5.56	31.50	3	Vertical	166	1.10	-
PK	2.4444G	112.43	Inf	-Inf	31.64	3	Vertical	166	1.10	-
AV	2.4436G	101.97	Inf	-Inf	31.64	3	Vertical	166	1.10	-
PK	2.4844G	70.31	74.00	-3.69	31.73	3	Vertical	166	1.10	-
AV	2.484G	53.72	54.00	-0.28	31.73	3	Vertical	166	1.10	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

13/10/2018



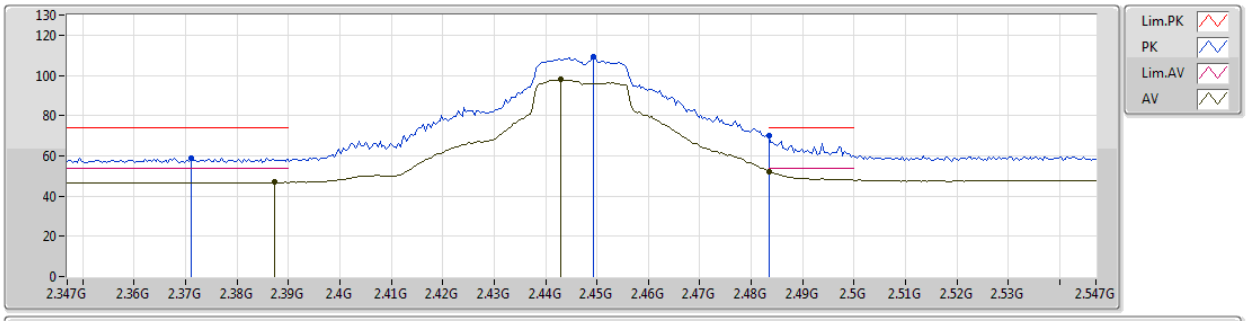
EUT Y_2TX
Setting 21
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	67.76	74.00	-6.24	31.50	3	Horizontal	260	2.89	-
AV	2.3896G	49.01	54.00	-4.99	31.50	3	Horizontal	260	2.89	-
PK	2.4436G	113.24	Inf	-Inf	31.64	3	Horizontal	260	2.89	-
AV	2.4436G	102.93	Inf	-Inf	31.64	3	Horizontal	260	2.89	-
PK	2.4856G	70.97	74.00	-3.03	31.73	3	Horizontal	260	2.89	-
AV	2.4835G	53.07	54.00	-0.93	31.73	3	Horizontal	260	2.89	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

13/10/2018



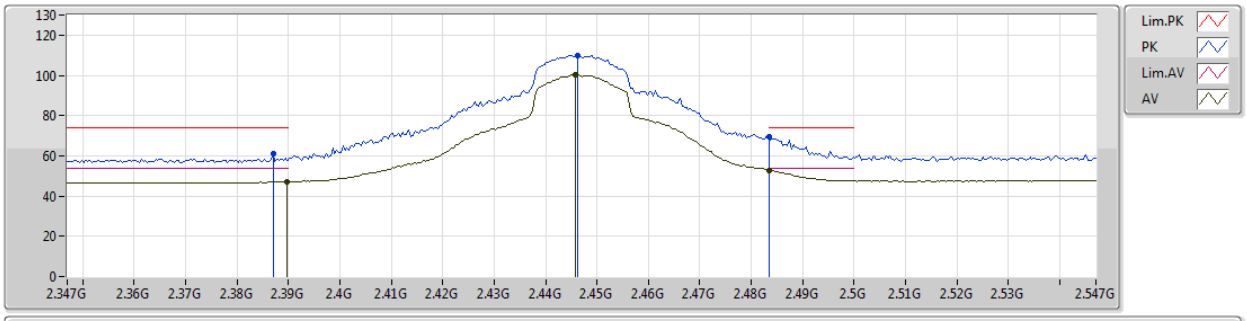
EUT Y_2TX
Setting 19.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.371G	59.04	74.00	-14.96	31.45	3	Vertical	158	1.00	-
AV	2.3874G	46.92	54.00	-7.08	31.49	3	Vertical	158	1.00	-
PK	2.4494G	108.99	Inf	-Inf	31.65	3	Vertical	158	1.00	-
AV	2.443G	97.89	Inf	-Inf	31.64	3	Vertical	158	1.00	-
PK	2.4835G	70.22	74.00	-3.78	31.73	3	Vertical	158	1.00	-
AV	2.4835G	52.07	54.00	-1.93	31.73	3	Vertical	158	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

13/10/2018



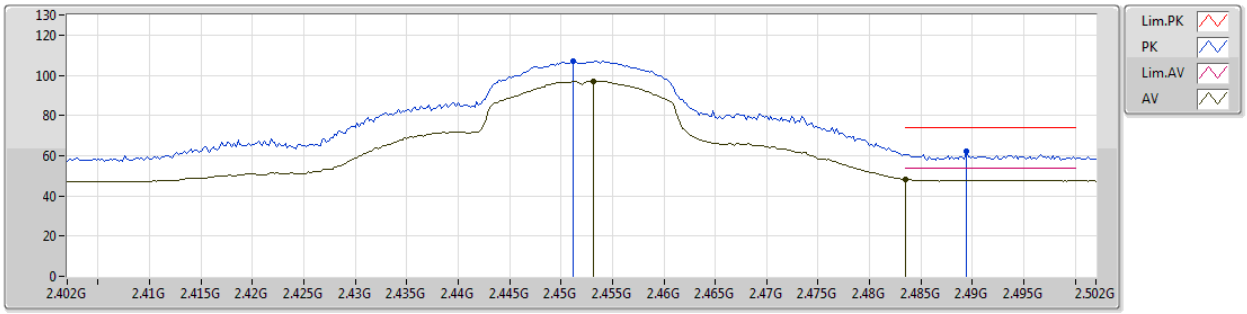
EUT Y_2TX
Setting 19.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	61.27	74.00	-12.73	31.49	3	Horizontal	179	1.50	-
AV	2.3898G	47.06	54.00	-6.94	31.50	3	Horizontal	179	1.50	-
PK	2.4462G	109.93	Inf	-Inf	31.64	3	Horizontal	179	1.50	-
AV	2.4458G	100.40	Inf	-Inf	31.64	3	Horizontal	179	1.50	-
PK	2.4835G	69.72	74.00	-4.28	31.73	3	Horizontal	179	1.50	-
AV	2.4835G	52.80	54.00	-1.20	31.73	3	Horizontal	179	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

13/10/2018



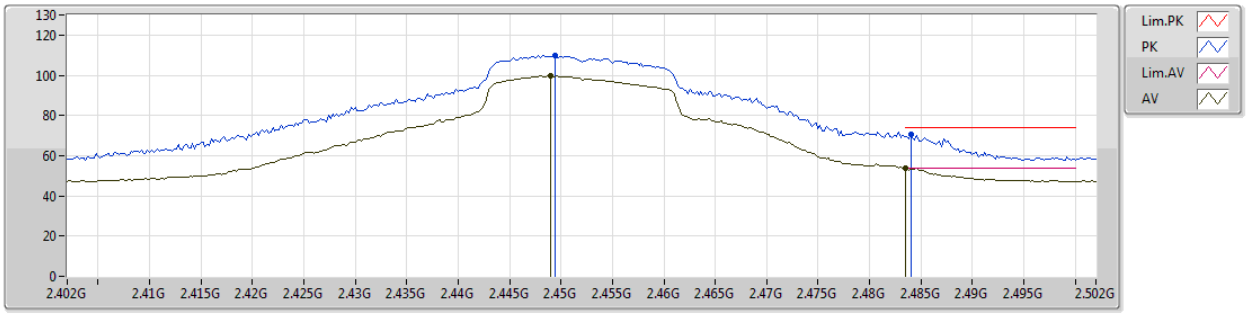
EUT Y_2TX
Setting 18
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4512G	106.99	Inf	-Inf	31.65	3	Vertical	143	1.83	-
AV	2.4532G	96.98	Inf	-Inf	31.66	3	Vertical	143	1.83	-
PK	2.4894G	62.11	74.00	-11.89	31.74	3	Vertical	143	1.83	-
AV	2.4835G	48.44	54.00	-5.56	31.73	3	Vertical	143	1.83	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

13/10/2018



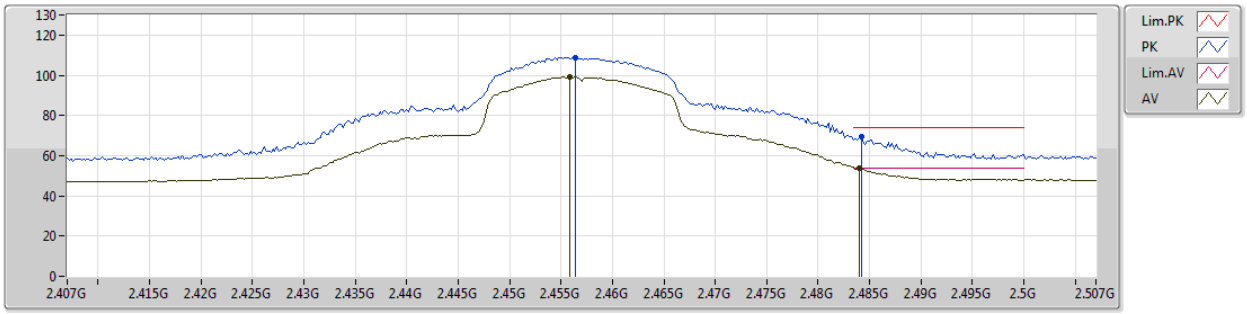
EUT Y_2TX
Setting 18
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4494G	109.86	Inf	-Inf	31.65	3	Horizontal	262	2.88	-
AV	2.449G	99.66	Inf	-Inf	31.65	3	Horizontal	262	2.88	-
PK	2.484G	70.39	74.00	-3.61	31.73	3	Horizontal	262	2.88	-
AV	2.4835G	53.74	54.00	-0.26	31.73	3	Horizontal	262	2.88	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

13/10/2018



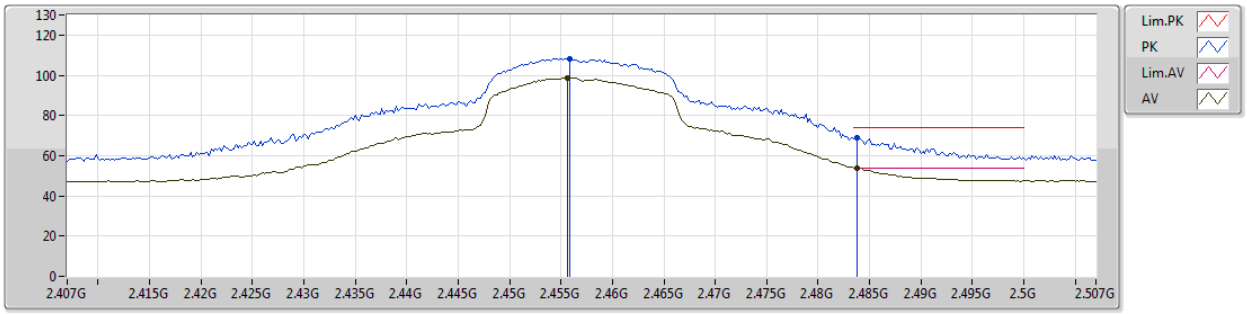
EUT Y_2TX
Setting 16.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4564G	108.70	Inf	-Inf	31.66	3	Vertical	197	2.14	-
AV	2.4558G	99.09	Inf	-Inf	31.66	3	Vertical	197	2.14	-
PK	2.4842G	69.36	74.00	-4.64	31.73	3	Vertical	197	2.14	-
AV	2.484G	53.95	54.00	-0.05	31.73	3	Vertical	197	2.14	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

13/10/2018



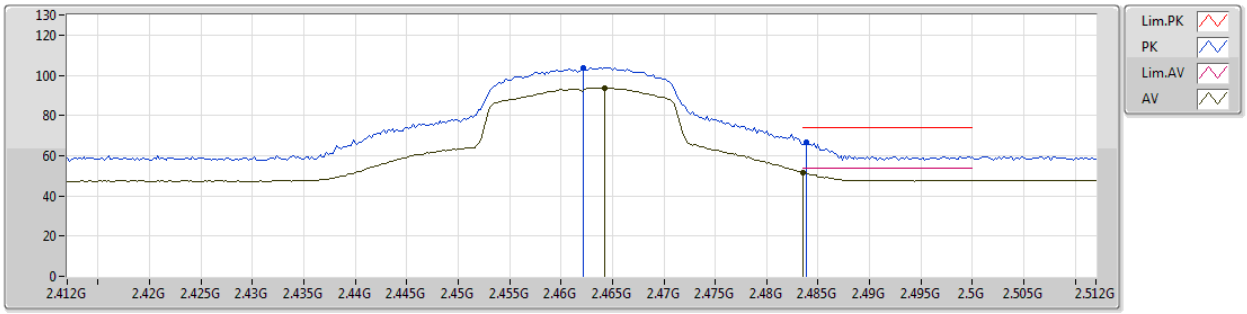
EUT Y_2TX
Setting 16.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4558G	108.23	Inf	-Inf	31.66	3	Horizontal	164	1.10	-
AV	2.4556G	98.69	Inf	-Inf	31.66	3	Horizontal	164	1.10	-
PK	2.4838G	69.19	74.00	-4.81	31.73	3	Horizontal	164	1.10	-
AV	2.4838G	53.97	54.00	-0.03	31.73	3	Horizontal	164	1.10	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

13/10/2018



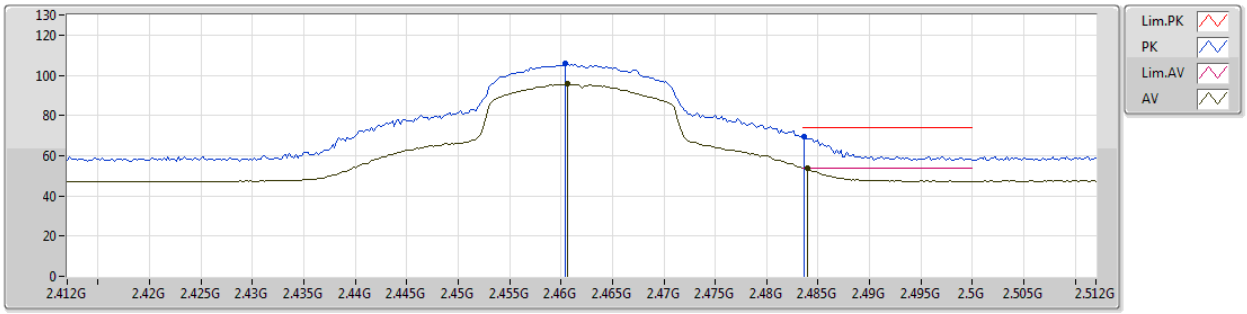
EUT Y_2TX
Setting 12.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4622G	103.93	Inf	-Inf	31.68	3	Vertical	233	1.24	-
AV	2.4642G	93.85	Inf	-Inf	31.69	3	Vertical	233	1.24	-
PK	2.4838G	66.41	74.00	-7.59	31.73	3	Vertical	233	1.24	-
AV	2.4835G	51.78	54.00	-2.22	31.73	3	Vertical	233	1.24	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

13/10/2018



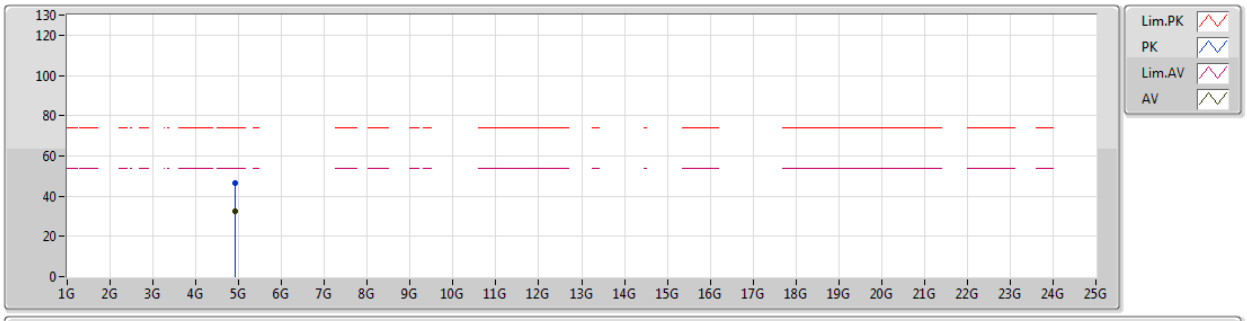
EUT Y_2TX
Setting 12.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4604G	105.69	Inf	-Inf	31.68	3	Horizontal	184	1.31	-
AV	2.4606G	95.55	Inf	-Inf	31.68	3	Horizontal	184	1.31	-
PK	2.4836G	69.75	74.00	-4.25	31.73	3	Horizontal	184	1.31	-
AV	2.484G	53.97	54.00	-0.03	31.73	3	Horizontal	184	1.31	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

13/10/2018



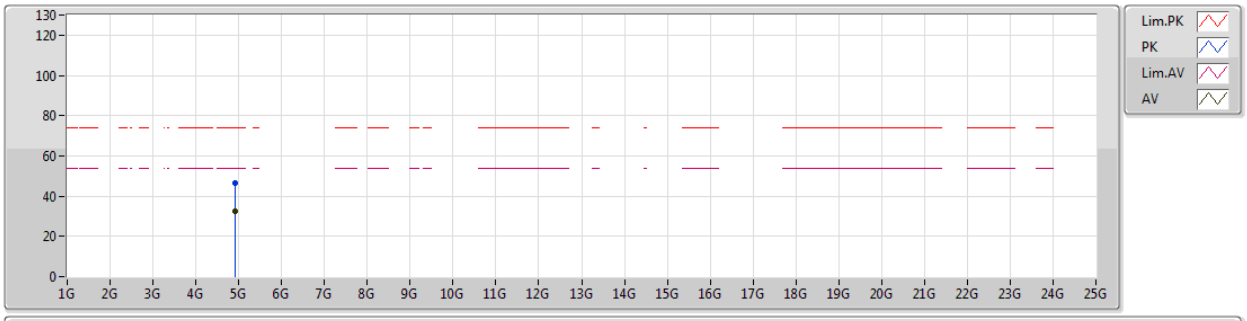
EUT Y_2TX
Setting 12.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92463G	46.60	74.00	-27.40	8.12	3	Vertical	84	1.02	-
AV	4.92434G	32.76	54.00	-21.24	8.12	3	Vertical	84	1.02	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

13/10/2018



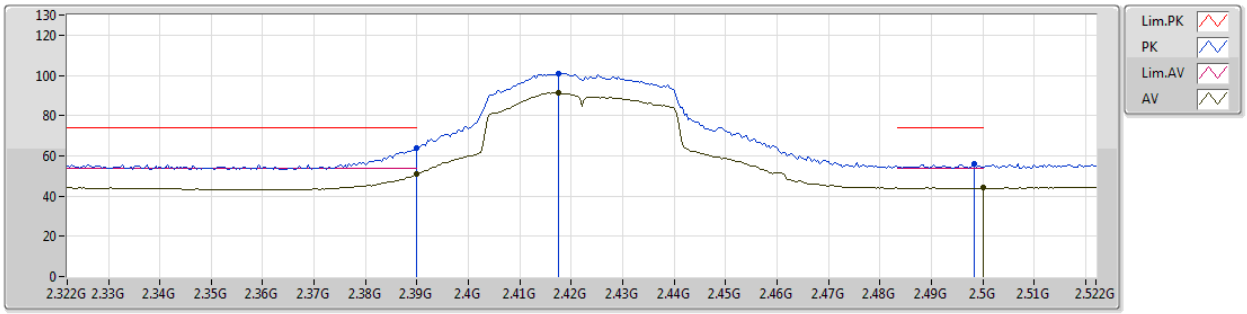
EUT Y_2TX
Setting 12.5
02-W-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92345G	46.63	74.00	-27.37	8.12	3	Horizontal	288	2.26	-
AV	4.92436G	32.70	54.00	-21.30	8.12	3	Horizontal	288	2.26	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

15/10/2018



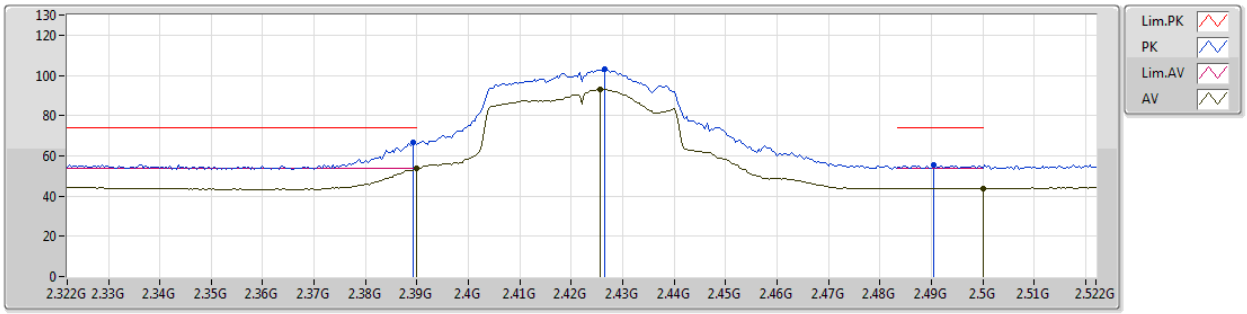
EUT Y_2TX
Setting 10.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	63.96	74.00	-10.04	30.97	3	Vertical	218	1.44	-
AV	2.39G	50.97	54.00	-3.03	30.97	3	Vertical	218	1.44	-
PK	2.4176G	100.89	Inf	-Inf	30.98	3	Vertical	218	1.44	-
AV	2.4176G	91.26	Inf	-Inf	30.98	3	Vertical	218	1.44	-
PK	2.4984G	55.84	74.00	-18.16	31.21	3	Vertical	218	1.44	-
AV	2.5G	44.16	54.00	-9.84	31.22	3	Vertical	218	1.44	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

15/10/2018



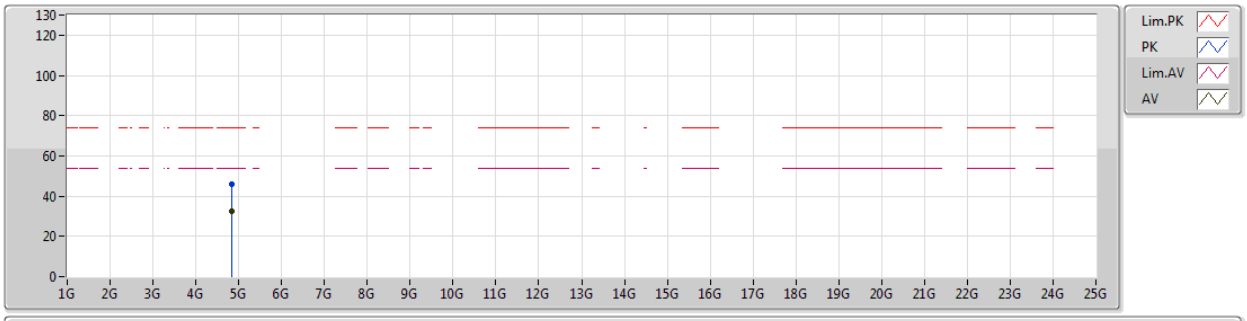
EUT Y_2TX
Setting 10.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	66.84	74.00	-7.16	30.97	3	Horizontal	273	2.47	-
AV	2.39G	53.66	54.00	-0.34	30.97	3	Horizontal	273	2.47	-
PK	2.4264G	102.93	Inf	-Inf	31.01	3	Horizontal	273	2.47	-
AV	2.4256G	92.98	Inf	-Inf	31.00	3	Horizontal	273	2.47	-
PK	2.4904G	55.34	74.00	-18.66	31.19	3	Horizontal	273	2.47	-
AV	2.5G	43.91	54.00	-10.09	31.22	3	Horizontal	273	2.47	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

15/10/2018



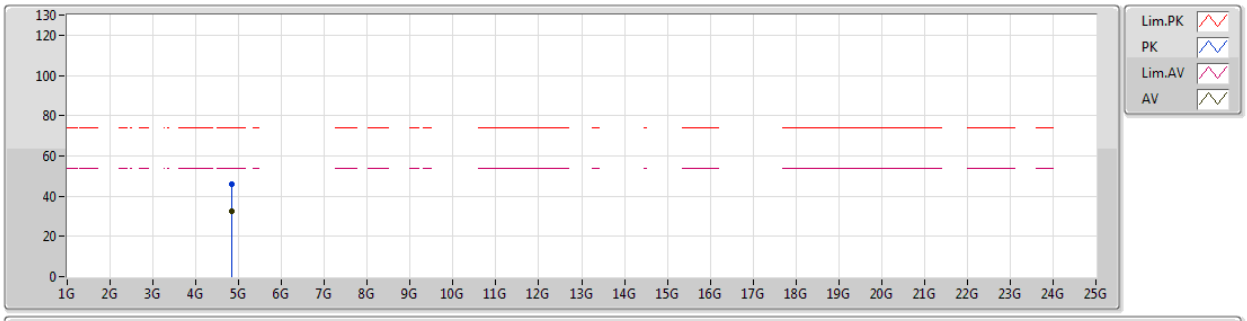
EUT Y_2TX
Setting 10.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84363G	45.85	74.00	-28.15	4.07	3	Vertical	322	1.31	-
AV	4.84507G	32.44	54.00	-21.56	4.08	3	Vertical	322	1.31	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

15/10/2018



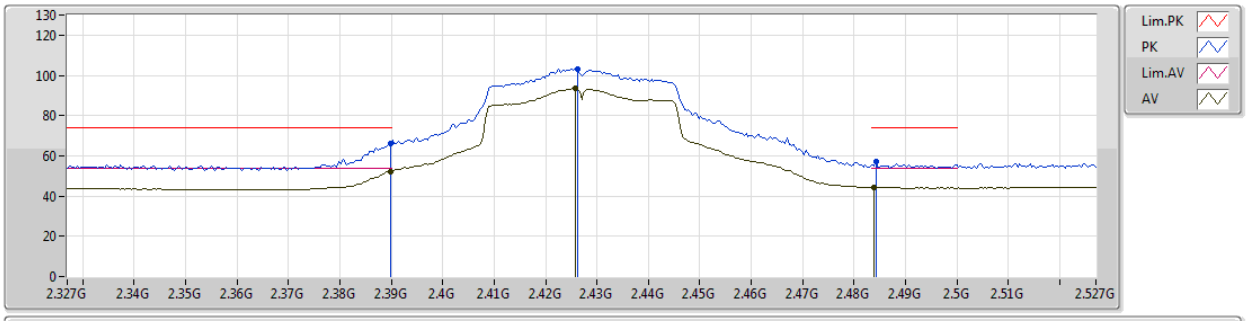
EUT Y_2TX
Setting 10.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84334G	45.92	74.00	-28.08	4.07	3	Horizontal	270	1.99	-
AV	4.84615G	32.54	54.00	-21.46	4.09	3	Horizontal	270	1.99	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

15/10/2018



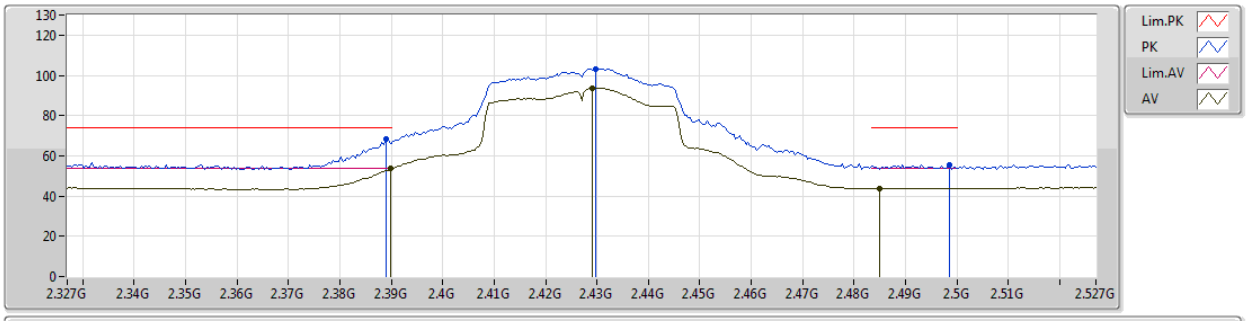
EUT Y_2TX
Setting 11.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	66.03	74.00	-7.97	30.97	3	Vertical	209	2.82	-
AV	2.3898G	52.24	54.00	-1.76	30.97	3	Vertical	209	2.82	-
PK	2.4262G	103.18	Inf	-Inf	31.01	3	Vertical	209	2.82	-
AV	2.4258G	93.44	Inf	-Inf	31.00	3	Vertical	209	2.82	-
PK	2.4842G	56.98	74.00	-17.02	31.17	3	Vertical	209	2.82	-
AV	2.4838G	44.31	54.00	-9.69	31.17	3	Vertical	209	2.82	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

15/10/2018



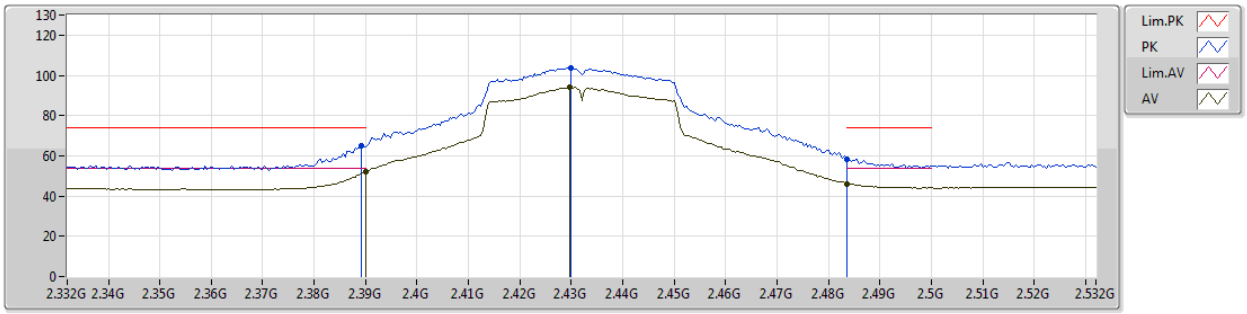
EUT Y_2TX
Setting 11.5
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	68.24	74.00	-5.76	30.97	3	Horizontal	256	2.24	-
AV	2.3898G	53.64	54.00	-0.36	30.97	3	Horizontal	256	2.24	-
PK	2.4298G	103.31	Inf	-Inf	31.02	3	Horizontal	256	2.24	-
AV	2.429G	93.69	Inf	-Inf	31.02	3	Horizontal	256	2.24	-
PK	2.4986G	55.41	74.00	-18.59	31.21	3	Horizontal	256	2.24	-
AV	2.485G	43.81	54.00	-10.19	31.17	3	Horizontal	256	2.24	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

15/10/2018



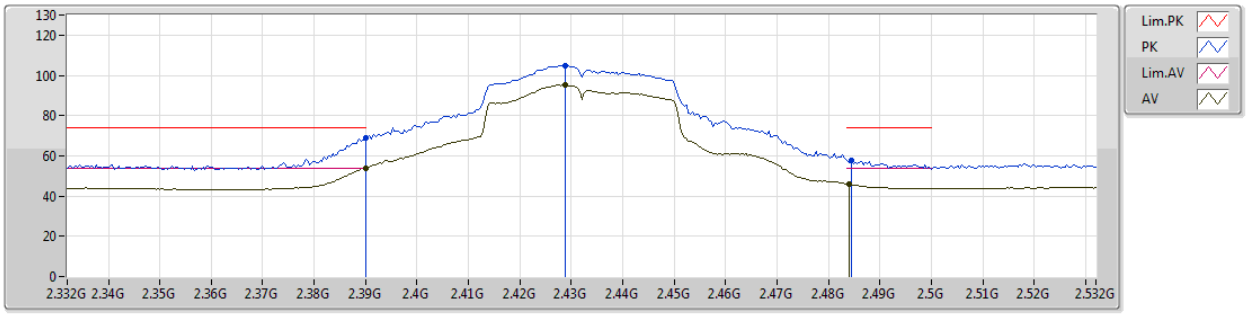
EUT Y_2TX
Setting 13
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	64.98	74.00	-9.02	30.97	3	Vertical	215	1.01	-
AV	2.39G	51.95	54.00	-2.05	30.97	3	Vertical	215	1.01	-
PK	2.43G	103.81	Inf	-Inf	31.01	3	Vertical	215	1.01	-
AV	2.4296G	93.89	Inf	-Inf	31.02	3	Vertical	215	1.01	-
PK	2.4835G	58.13	74.00	-15.87	31.17	3	Vertical	215	1.01	-
AV	2.4835G	46.18	54.00	-7.82	31.17	3	Vertical	215	1.01	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

15/10/2018



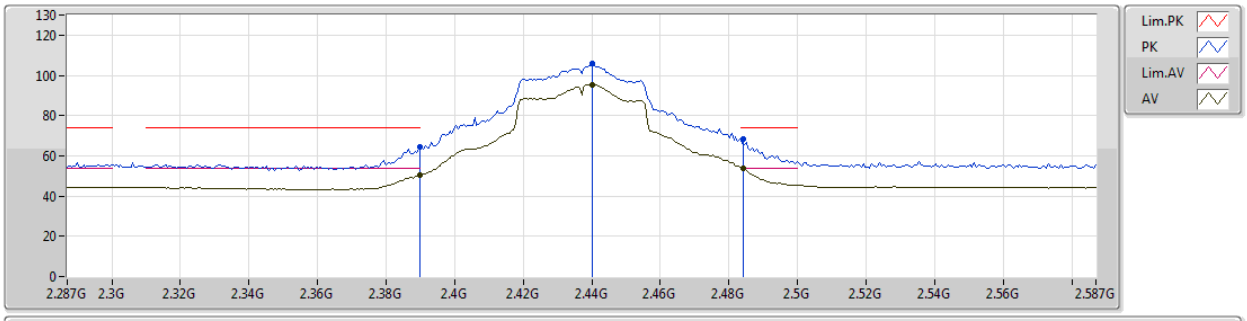
EUT Y_2TX
Setting 13
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	68.66	74.00	-5.34	30.97	3	Horizontal	267	2.23	-
AV	2.39G	53.98	54.00	-0.02	30.97	3	Horizontal	267	2.23	-
PK	2.4288G	104.85	Inf	-Inf	31.02	3	Horizontal	267	2.23	-
AV	2.4288G	95.11	Inf	-Inf	31.02	3	Horizontal	267	2.23	-
PK	2.4844G	57.93	74.00	-16.07	31.17	3	Horizontal	267	2.23	-
AV	2.484G	45.81	54.00	-8.19	31.17	3	Horizontal	267	2.23	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

15/10/2018



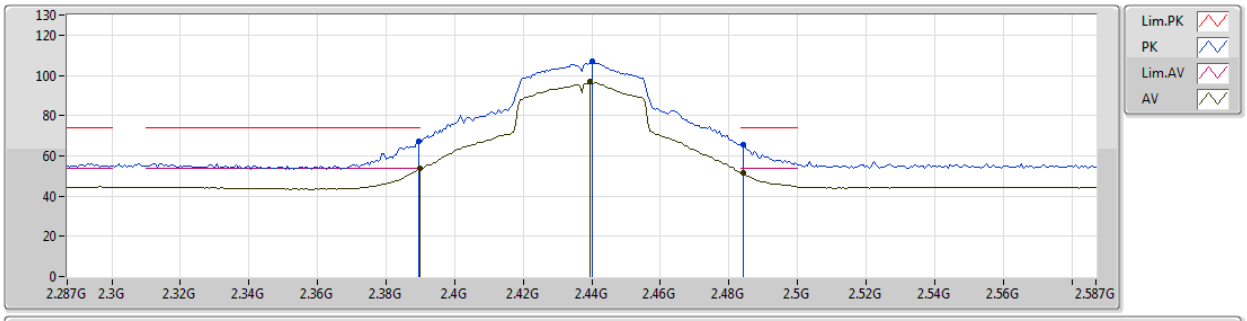
EUT Y_2TX
Setting 15
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	64.26	74.00	-9.74	30.97	3	Vertical	229	2.61	-
AV	2.39G	50.56	54.00	-3.44	30.97	3	Vertical	229	2.61	-
PK	2.44G	105.67	Inf	-Inf	31.05	3	Vertical	229	2.61	-
AV	2.44G	95.46	Inf	-Inf	31.05	3	Vertical	229	2.61	-
PK	2.484G	68.38	74.00	-5.62	31.17	3	Vertical	229	2.61	-
AV	2.484G	53.94	54.00	-0.06	31.17	3	Vertical	229	2.61	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

15/10/2018



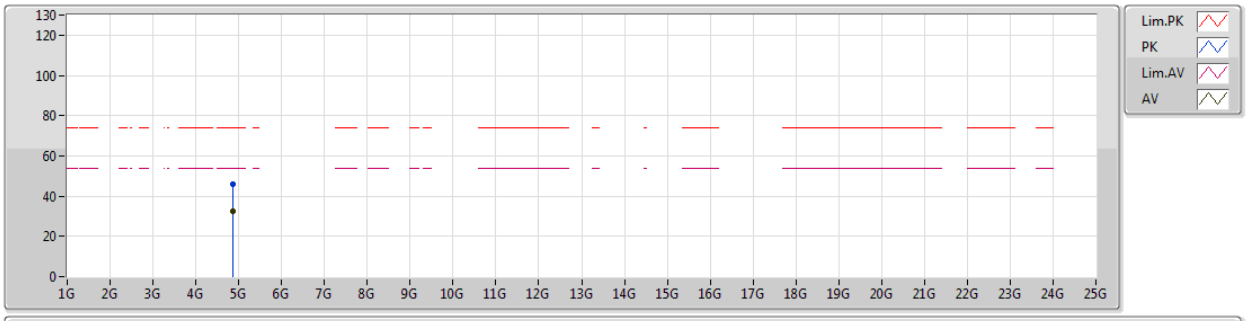
EUT Y_2TX
Setting 15
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	67.42	74.00	-6.58	30.97	3	Horizontal	264	1.34	-
AV	2.39G	53.78	54.00	-0.22	30.97	3	Horizontal	264	1.34	-
PK	2.44G	106.79	Inf	-Inf	31.05	3	Horizontal	264	1.34	-
AV	2.4394G	96.67	Inf	-Inf	31.04	3	Horizontal	264	1.34	-
PK	2.484G	65.51	74.00	-8.49	31.17	3	Horizontal	264	1.34	-
AV	2.484G	51.81	54.00	-2.19	31.17	3	Horizontal	264	1.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

15/10/2018



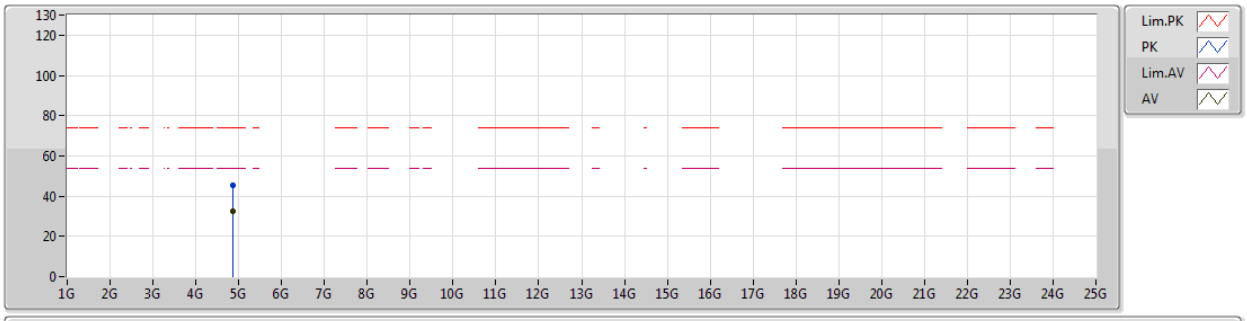
EUT Y_2TX
Setting 15
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87225G	45.70	74.00	-28.30	4.19	3	Vertical	215	1.03	-
AV	4.87426G	32.30	54.00	-21.70	4.21	3	Vertical	215	1.03	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

15/10/2018



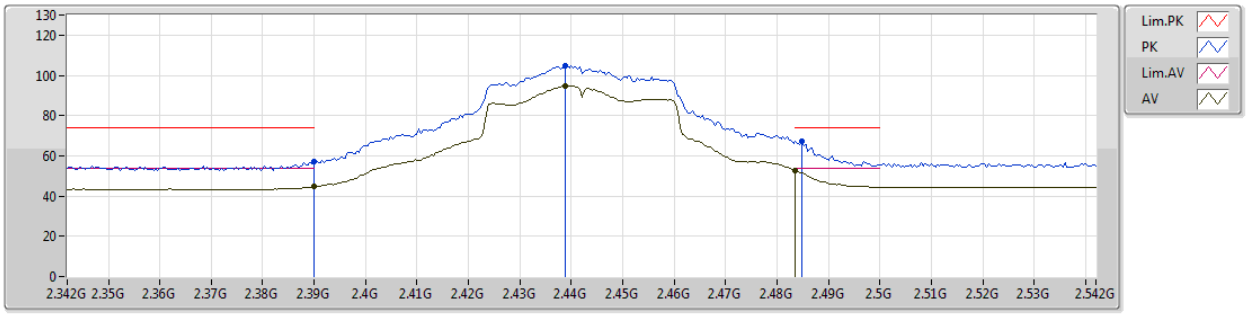
EUT Y_2TX
Setting 15
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87462G	45.45	74.00	-28.55	4.21	3	Horizontal	66	1.74	-
AV	4.8762G	32.23	54.00	-21.77	4.21	3	Horizontal	66	1.74	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

15/10/2018



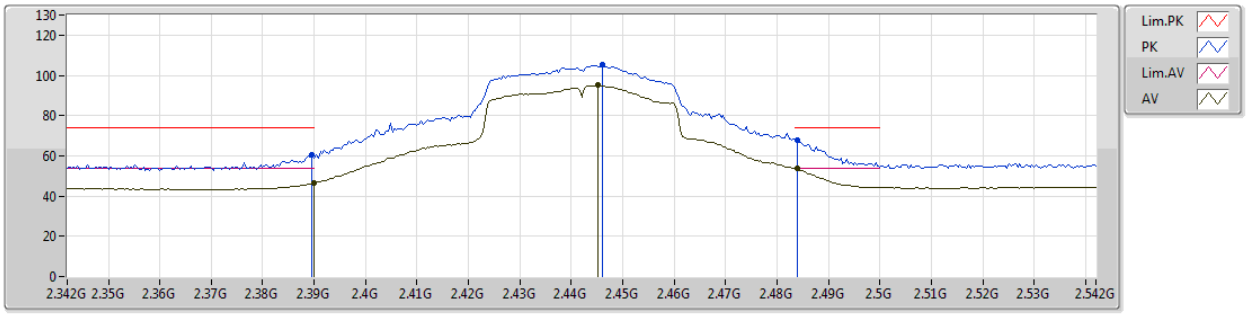
EUT Y_2TX
Setting 13
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	56.96	74.00	-17.04	30.97	3	Vertical	204	2.84	-
AV	2.39G	44.66	54.00	-9.34	30.97	3	Vertical	204	2.84	-
PK	2.4388G	104.78	Inf	-Inf	31.04	3	Vertical	204	2.84	-
AV	2.4388G	94.67	Inf	-Inf	31.04	3	Vertical	204	2.84	-
PK	2.4848G	67.32	74.00	-6.68	31.17	3	Vertical	204	2.84	-
AV	2.4835G	52.58	54.00	-1.42	31.17	3	Vertical	204	2.84	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

15/10/2018



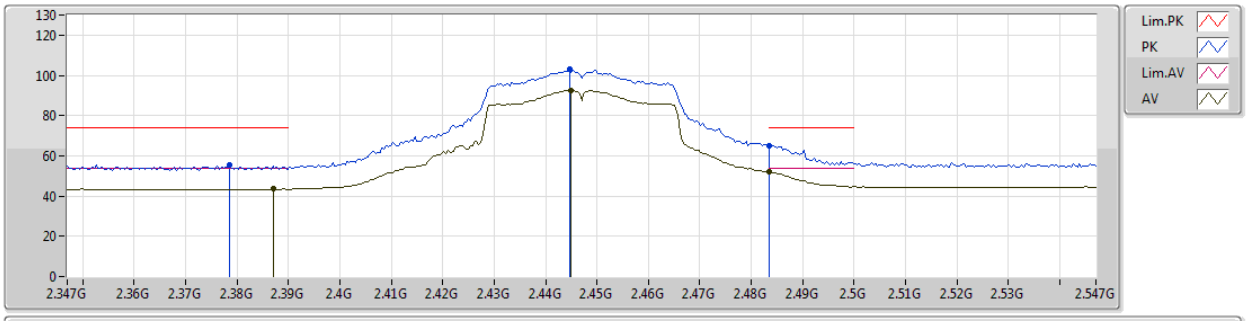
EUT Y_2TX
Setting 13
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	60.39	74.00	-13.61	30.97	3	Horizontal	264	1.78	-
AV	2.39G	46.56	54.00	-7.44	30.97	3	Horizontal	264	1.78	-
PK	2.446G	105.31	Inf	-Inf	31.06	3	Horizontal	264	1.78	-
AV	2.4452G	95.11	Inf	-Inf	31.06	3	Horizontal	264	1.78	-
PK	2.484G	67.97	74.00	-6.03	31.17	3	Horizontal	264	1.78	-
AV	2.484G	53.66	54.00	-0.34	31.17	3	Horizontal	264	1.78	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

15/10/2018



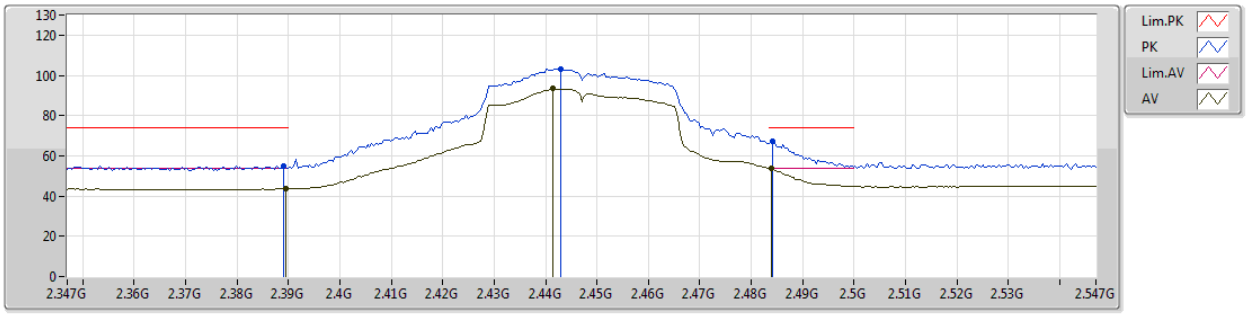
EUT Y_2TX
Setting 11
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3786G	55.25	74.00	-18.75	30.99	3	Vertical	210	2.75	-
AV	2.387G	43.47	54.00	-10.53	30.97	3	Vertical	210	2.75	-
PK	2.4446G	102.83	Inf	-Inf	31.06	3	Vertical	210	2.75	-
AV	2.445G	92.54	Inf	-Inf	31.06	3	Vertical	210	2.75	-
PK	2.4835G	65.04	74.00	-8.96	31.17	3	Vertical	210	2.75	-
AV	2.4835G	52.08	54.00	-1.92	31.17	3	Vertical	210	2.75	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

15/10/2018



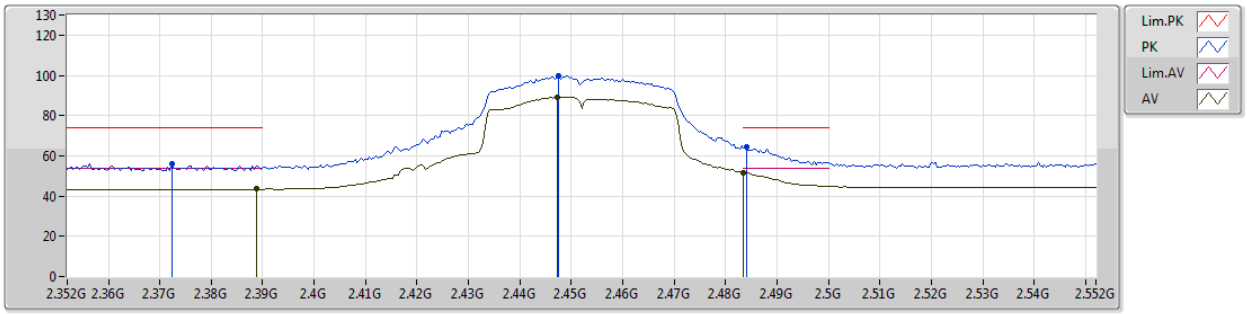
EUT Y_2TX
Setting 11
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	55.01	74.00	-18.99	30.97	3	Horizontal	267	2.19	-
AV	2.3894G	43.70	54.00	-10.30	30.97	3	Horizontal	267	2.19	-
PK	2.443G	103.02	Inf	-Inf	31.06	3	Horizontal	267	2.19	-
AV	2.4414G	93.31	Inf	-Inf	31.05	3	Horizontal	267	2.19	-
PK	2.4842G	67.17	74.00	-6.83	31.17	3	Horizontal	267	2.19	-
AV	2.484G	53.91	54.00	-0.09	31.17	3	Horizontal	267	2.19	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

15/10/2018



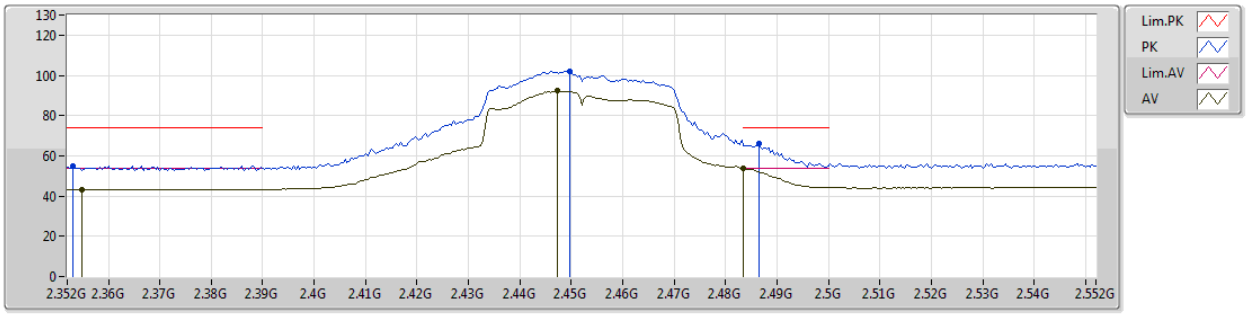
EUT Y_2TX
Setting 10
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3724G	56.04	74.00	-17.96	31.01	3	Vertical	184	1.78	-
AV	2.3888G	43.45	54.00	-10.55	30.97	3	Vertical	184	1.78	-
PK	2.4476G	99.50	Inf	-Inf	31.07	3	Vertical	184	1.78	-
AV	2.4472G	89.24	Inf	-Inf	31.07	3	Vertical	184	1.78	-
PK	2.484G	64.49	74.00	-9.51	31.17	3	Vertical	184	1.78	-
AV	2.4835G	51.77	54.00	-2.23	31.17	3	Vertical	184	1.78	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

15/10/2018



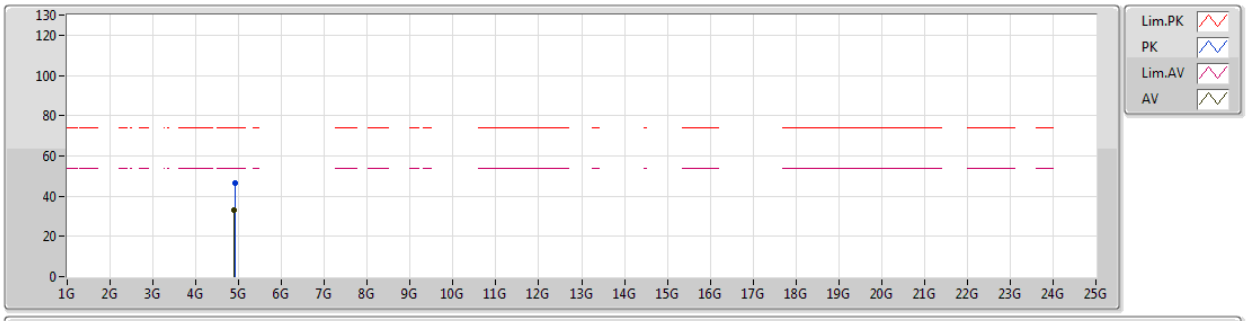
EUT Y_2TX
Setting 10
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3532G	55.11	74.00	-18.89	31.07	3	Horizontal	268	2.46	-
AV	2.3548G	43.39	54.00	-10.61	31.07	3	Horizontal	268	2.46	-
PK	2.4496G	101.94	Inf	-Inf	31.08	3	Horizontal	268	2.46	-
AV	2.4472G	92.35	Inf	-Inf	31.07	3	Horizontal	268	2.46	-
PK	2.4864G	65.99	74.00	-8.01	31.18	3	Horizontal	268	2.46	-
AV	2.4835G	53.66	54.00	-0.34	31.17	3	Horizontal	268	2.46	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

15/10/2018



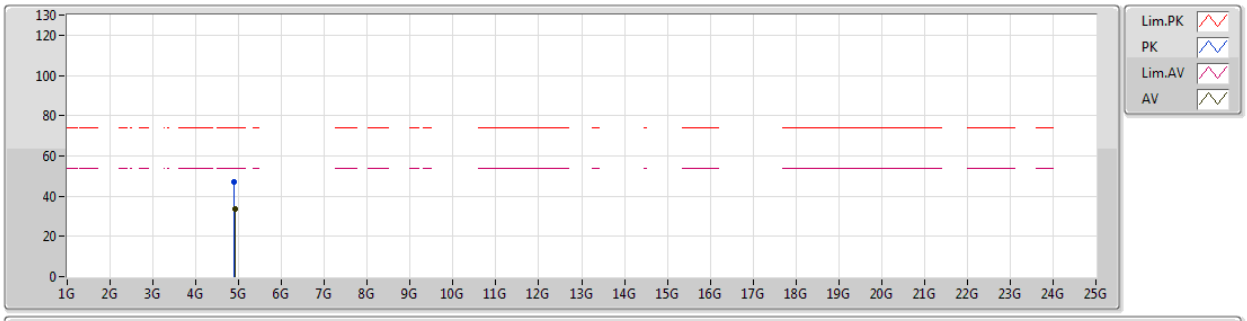
EUT Y_2TX
Setting 10
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90394G	46.52	74.00	-27.48	4.33	3	Vertical	127	1.72	-
AV	4.90174G	33.29	54.00	-20.71	4.31	3	Vertical	127	1.72	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

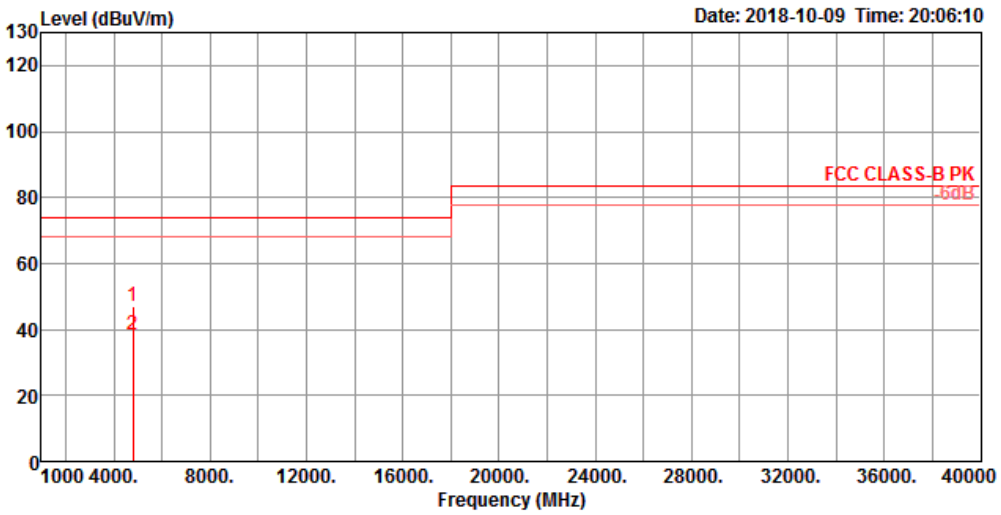
15/10/2018



EUT Y_2TX
Setting 10
01-W-3
FSP(100019)

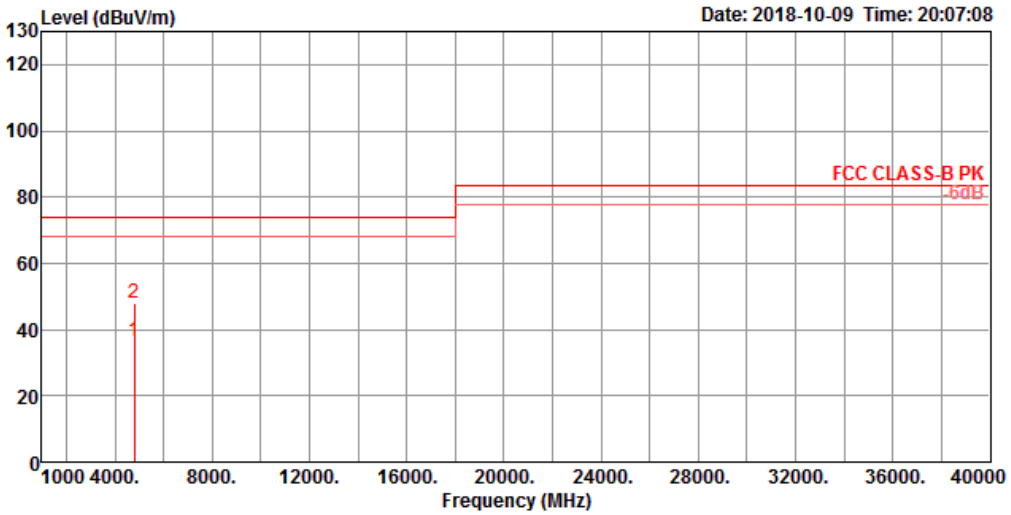
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90199G	47.25	74.00	-26.75	4.31	3	Horizontal	286	2.37	-
AV	4.90586G	33.40	54.00	-20.60	4.33	3	Horizontal	286	2.37	-

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	EUT in Y axis - WLAN 2.4GHz + WLAN 5GHz		



	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	4791.31	47.22	74.00	-26.78	42.21	6.66	33.30	34.95	150	32	Peak	HORIZONTAL
2	4792.48	38.16	54.00	-15.84	33.15	6.66	33.30	34.95	150	32	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	EUT in Y axis - WLAN 2.4GHz + WLAN 5GHz		



	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	4804.77	36.58	54.00	-17.42	31.54	6.65	33.34	34.95	207	288	Average	VERTICAL
2	4806.12	47.83	74.00	-26.17	42.79	6.65	33.34	34.95	207	288	Peak	VERTICAL