FCC RADIO TEST REPORT

FCC ID	:	Z3WAIR4921
Equipment	:	Home Wi-Fi Solution Kit, Air4921 3x3 11ac Smart Mesh Access Point, AT&T SMART WI-FI EXTENDER, AIRTIES WIFI EXTENDER
Brand Name	:	AirTies
Model Name	:	Air 4921
Applicant	:	AirTies Wireless Networks Mithat Uluunlu Sokak No. 23 Esentepe, Sisli Istanbul, 34394 Turkey
Manufacturer	:	AirTies Wireless Networks Mithat Uluunlu Sokak No. 23 Esentepe, Sisli Istanbul, 34394 Turkey
Standard	:	47 CFR FCC Part 15.247

The product was received on Nov. 21, 2018, and testing was started from Nov. 21, 2018 and completed on Nov. 30, 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: Cliff Chang

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

Table of Contents

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR8N2027AA	01	Initial issue of report	Dec. 18, 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	-

Declaration of Conformity:
The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.
Comments and Explanations:
The EUT supports AP Router and Mesh mode, only AP Router mode was tested and recorded in this test report for applicant request.

Reviewed by: Cliff Chang
Report Producer: Vicky 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	1TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	-	Printed Antenna	Murata	2.4GHz Antenna
2	2	Airgain	N2420S	PIFA Antenna	I-PEX	2.4GHz Antenna
3	1	-	-	Printed Antenna	Murata	5GHz Antenna
4	2	-	-	Printed Antenna	Murata	5GHz Antenna
5	3	-	-	Printed Antenna	Murata	5GHz Antenna

2.4GHz Antenna Gain (dBi)			
Ant.	Port	2390-2440MHz	2440-2470MHz
Ant. 1	1	3.24	3.71
Ant. 2	2	3.24	3.71

5GHz Antenna Gain (dBi)						
Ant.	**Port**	**5150-5350MHz**	**5470-5600MHz**	**5650-5725MHz**	**5725-5815MHz**	**5815-5850MHz**
Ant. 3	1	4.2	4.9	4.2	4.1	3.2
Ant. 4	2	4.2	4.9	4.2	4.1	3.2
Ant. 5	3	4.2	4.9	4.2	4.1	3.2

Note: The EUT has five antennas.

For 2.4GHz function:

For IEEE 802.11b mode (1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

For IEEE 802.11g/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 function:

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

Port 1、Port 2 and Port 3 can be used as transmitting/receiving antenna.

Port 1、Port 2 and Port 3 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.958	0.186	12.424m	100
802.11g	0.952	0.214	2.074m	1k
802.11n HT20	0.952	0.214	1.912m	1k
802.11n HT40	0.91	0.41	937.5u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	☒	With beamforming for 802.11n/ac in 5GHz	☐	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Mtool_3.0.0.2			

1.1.5 Table for Multiple Listing

The equipment names in the following table are all refer to the identical product.

Equipment Name	Description
Home Wi-Fi Solution Kit	All the equipment are identical, the difference equipment served as marketing strategy.
Air4921 3x3 11ac Smart Mesh Access Point	
AT&T SMART WI-FI EXTENDER	
AIRTIES WIFI EXTENDER	

From the above, equipment name: Home Wi-Fi Solution Kit was selected as representative for the test and its data was recorded in this report.

1.1.6 Table for EUT support function

Function
AP Router mode
Mesh mode

Note:
The EUT supports AP Router and Mesh mode, only AP Router mode was tested and recorded in this test report for applicant request.

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	Owen Hsu	22°C / 54%	Nov. 21, 2018~ Nov. 30, 2018
Radiated	03CH01-CB	RJ Huang	22°C / 54%	Nov. 21, 2018~ Nov. 26, 2018
AC Conduction	CO01-CB	Rick Yeh	22°C / 58%	Nov. 26, 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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	75
2417MHz	82
2422MHz	85
2427MHz	87
2432MHz	88
2437MHz	89
2442MHz	87
2447MHz	87
2452MHz	83
2457MHz	78
2462MHz	72
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	50
2417MHz	62
2422MHz	68
2427MHz	73
2432MHz	76
2437MHz	79
2442MHz	75
2447MHz	72
2452MHz	68
2457MHz	60
2462MHz	50
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	50
2417MHz	62
2422MHz	68
2427MHz	73
2432MHz	75
2437MHz	77
2442MHz	75
2447MHz	70
2452MHz	67
2457MHz	59

Mode	Power Setting
2462MHz	45
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	37
2427MHz	39
2432MHz	43
2437MHz	53
2442MHz	45
2447MHz	43
2452MHz	40

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 Y axis
Operating Mode > 1GHz	CTX
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
1	AP Router mode - 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.: FA8N2027 for Co-location RF Exposure Evaluation.	

Note: The EUT only be used at Y axis.

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	MOSO	MSA-C1000IC12.0-12W-US	Input: 100-240V~50/60Hz, 0.5A max. Output: 12.0V, 1A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A

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

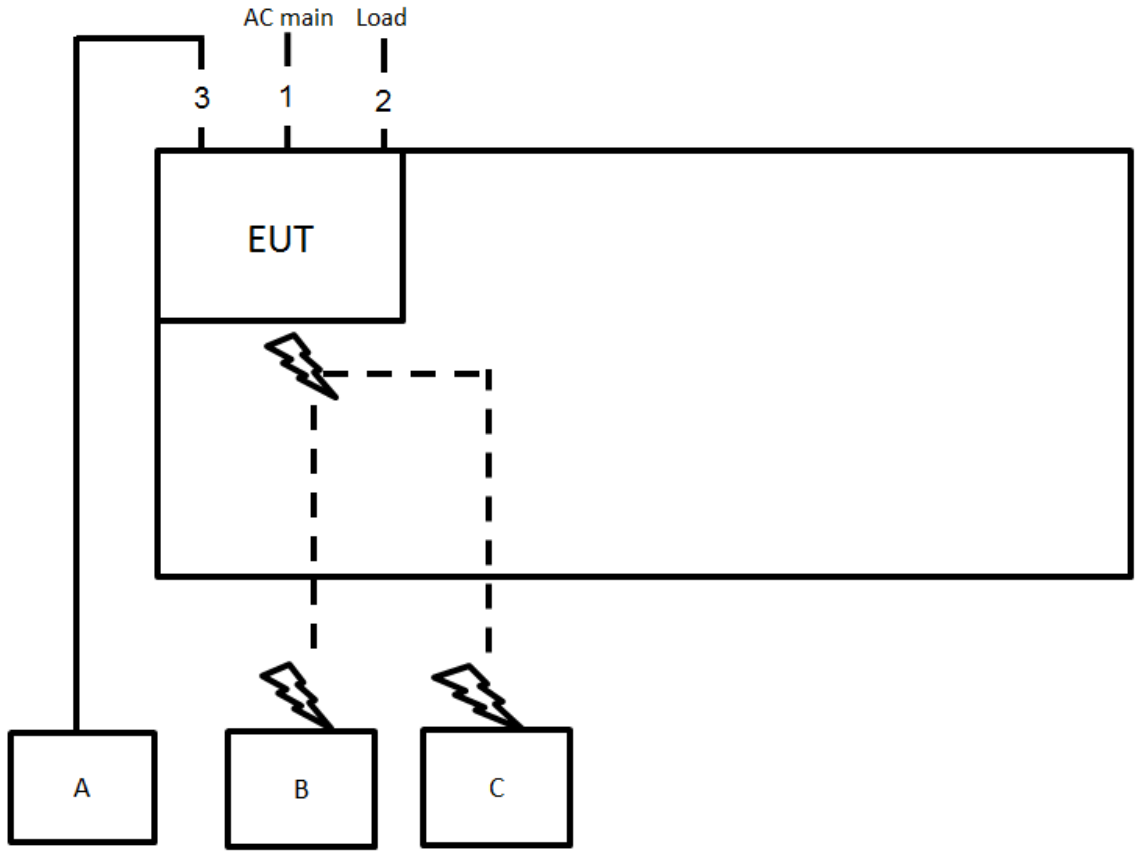
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E4300	N/A
B	2.4G NB	DELL	E4300	N/A
C	5G NB	DELL	E4300	N/A

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

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

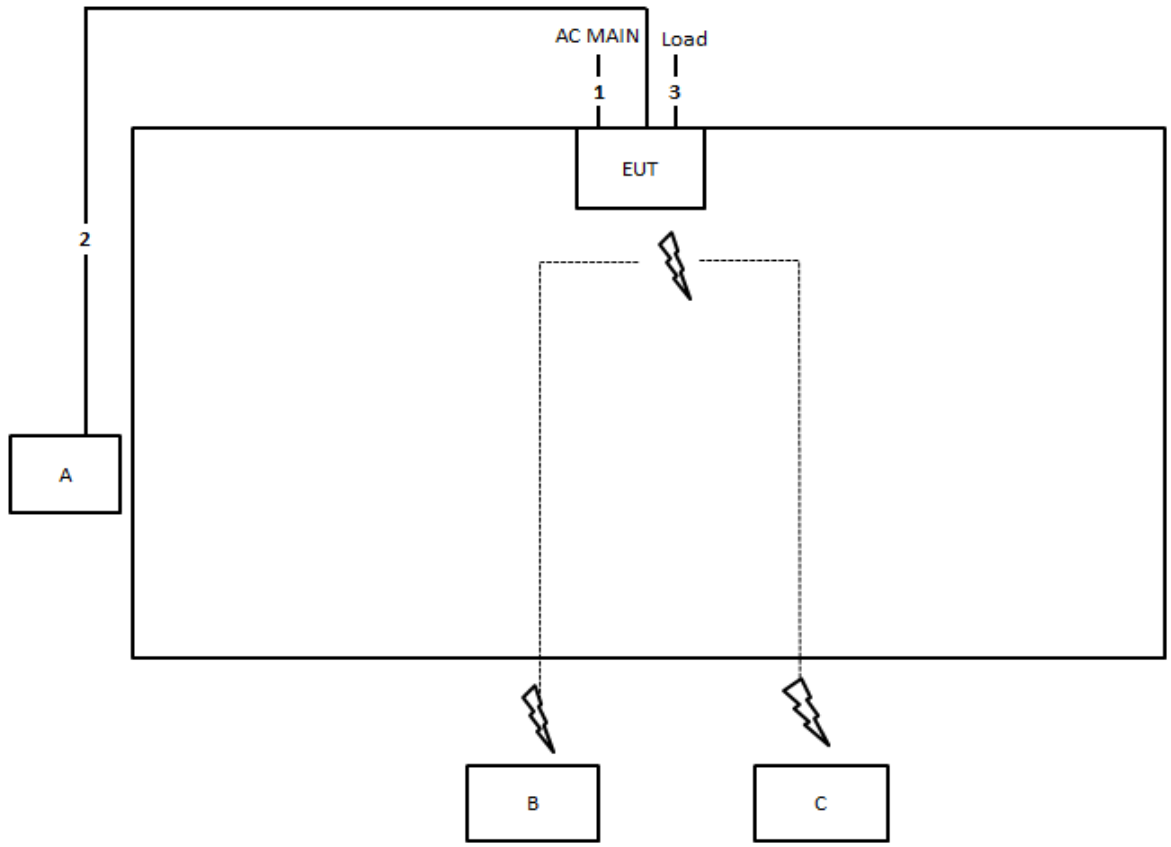
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



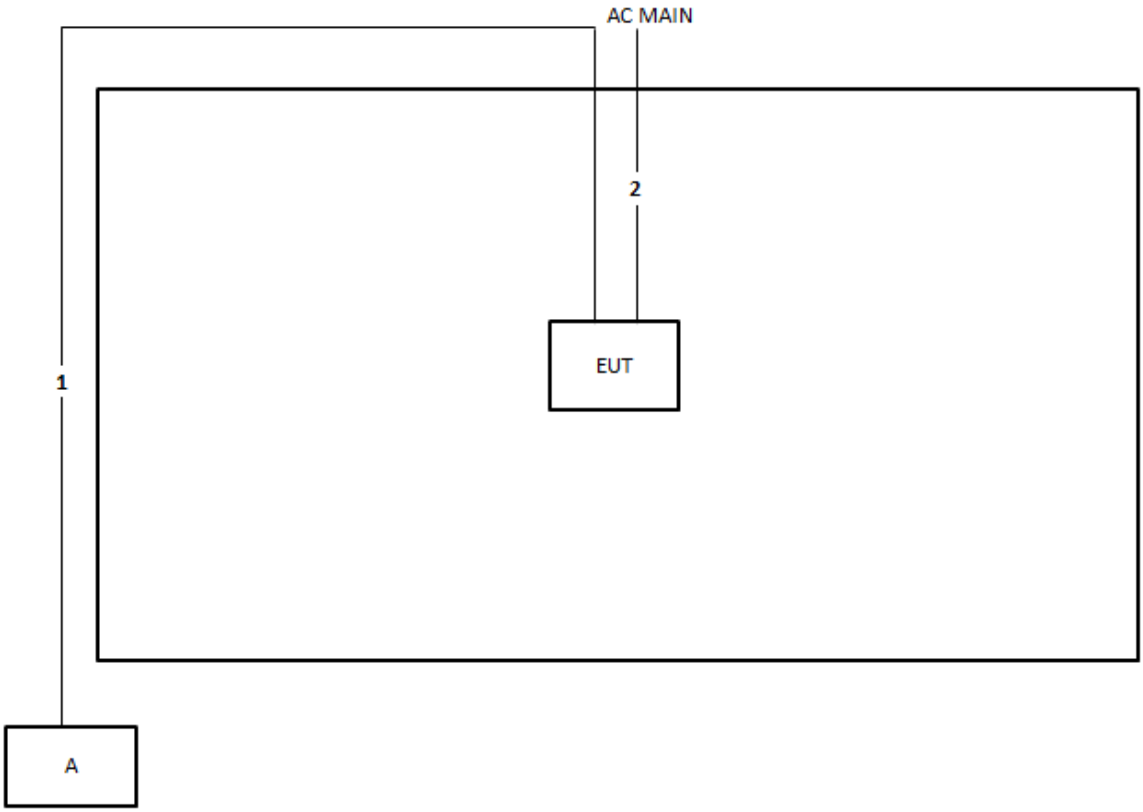
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

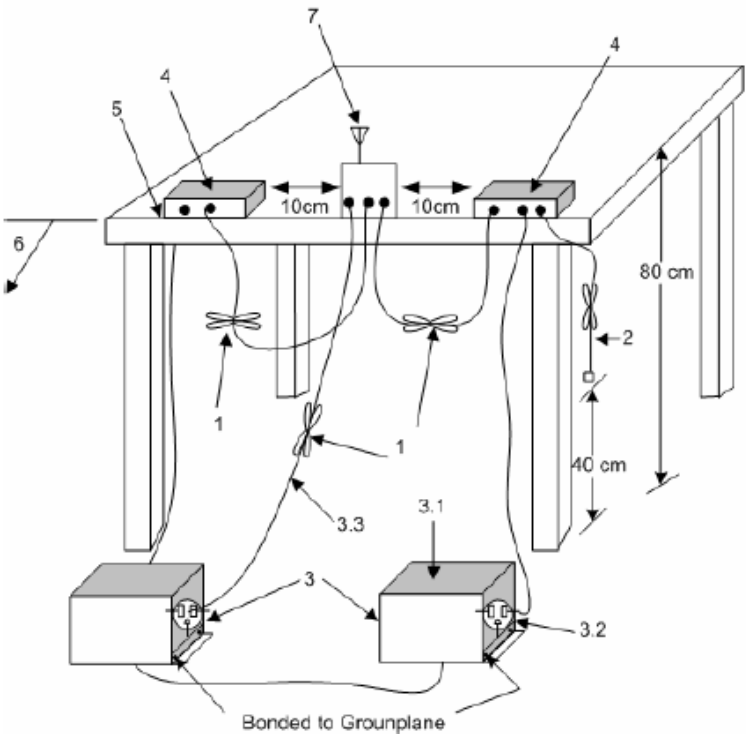
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

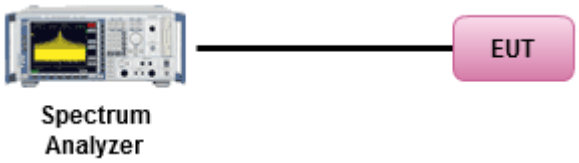
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.2 & 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.

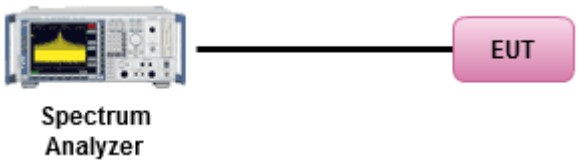
3.4.3 Test Procedures

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 11.10.8 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.	

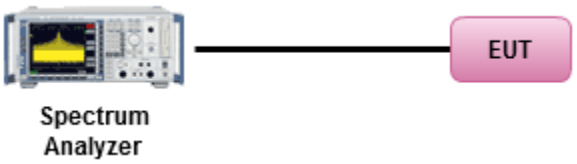
3.5.2 Measuring Instruments

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.

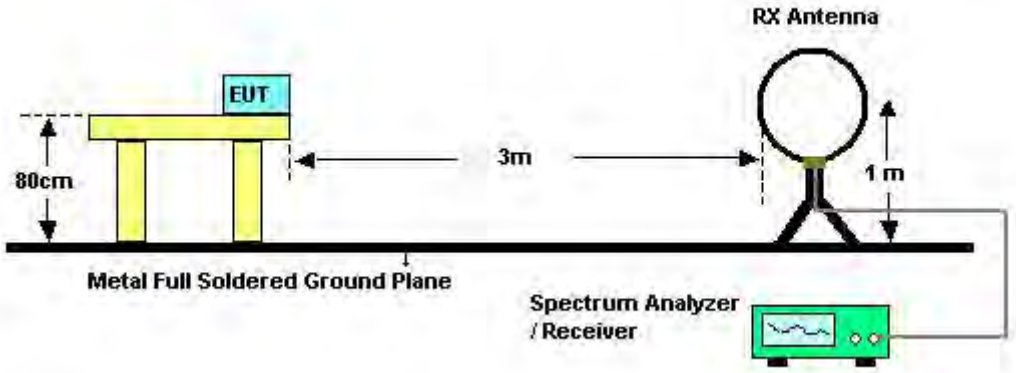
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 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 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 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.		

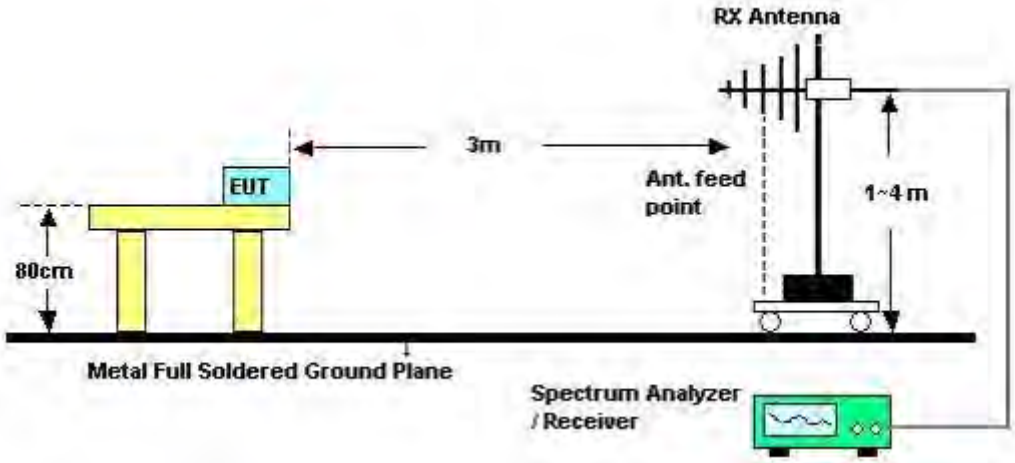
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

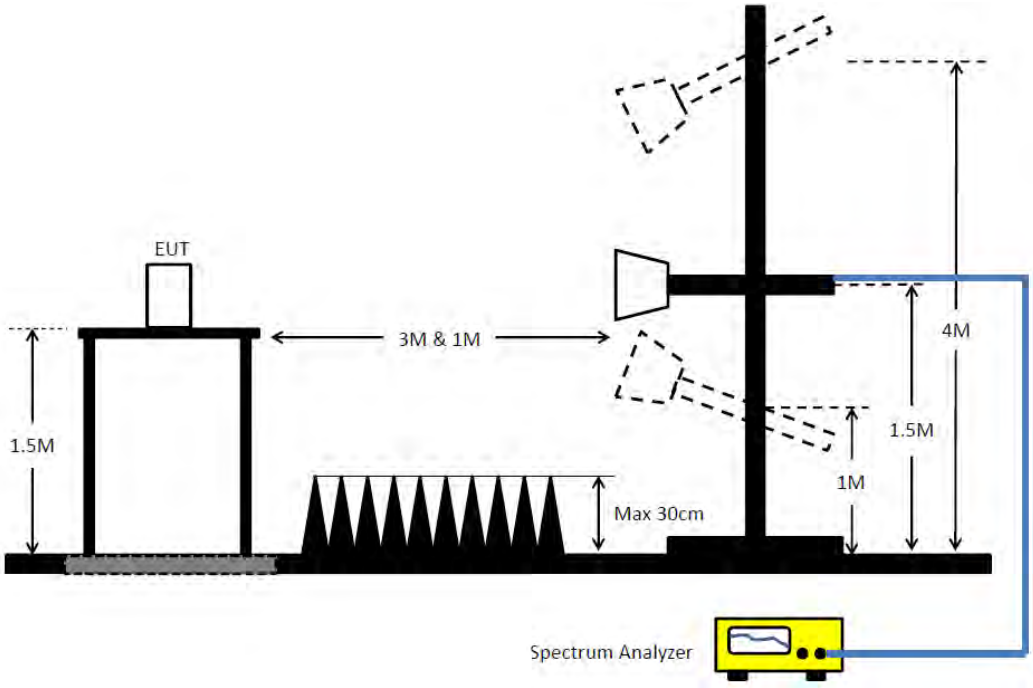
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Emissions in Restricted Frequency Bands (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

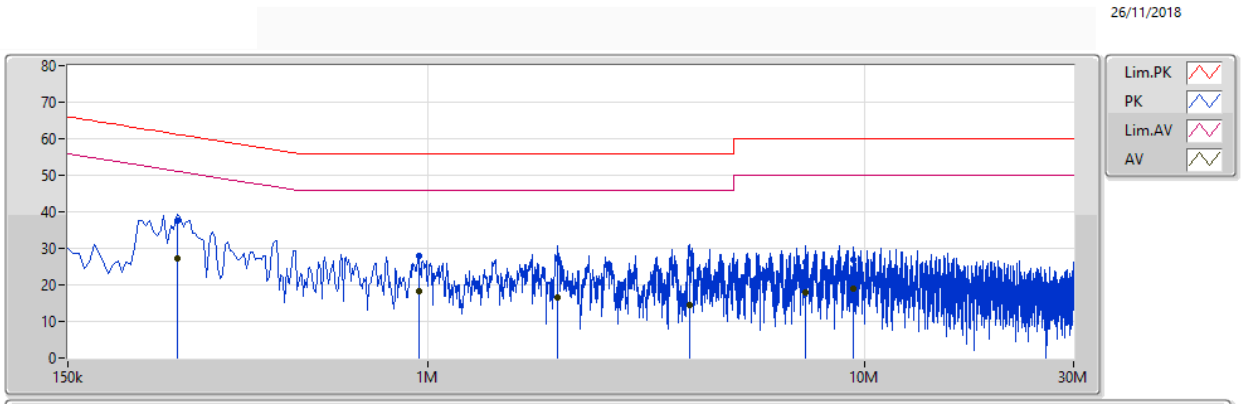
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	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	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	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)
RF Cable-high	Woken	High Cable-40G#2	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
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 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)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

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

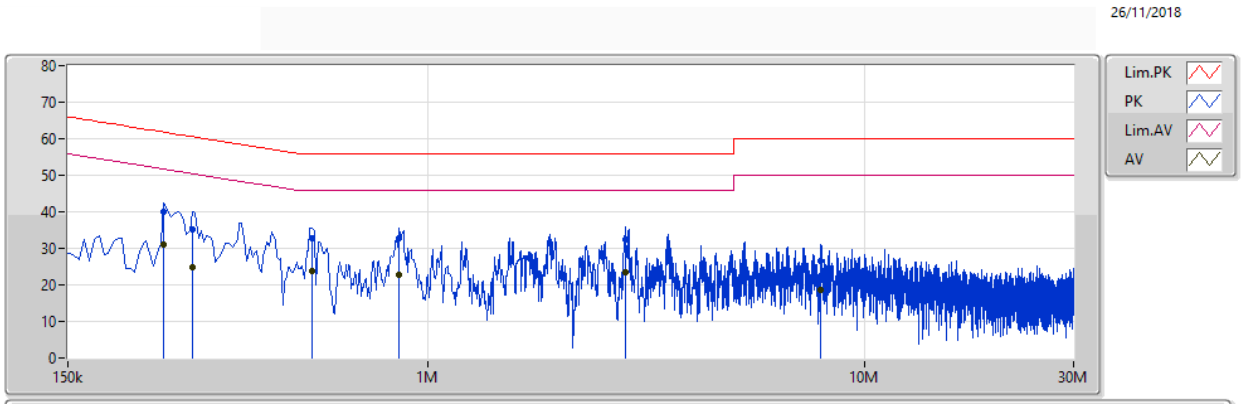
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	267k	37.65	61.20	-23.55	10.04	Line	"Worst"	27.61	9.91	0.13	-
AV	267k	27.07	51.20	-24.13	10.04	Line	-	17.03	9.91	0.13	-
QP	951k	27.85	56.00	-28.15	10.13	Line	-	17.72	9.93	0.20	-
AV	951k	18.37	46.00	-27.63	10.13	Line	-	8.24	9.93	0.20	-
QP	1.982M	27.19	56.00	-28.81	10.19	Line	-	17.00	9.96	0.23	-
AV	1.982M	16.41	46.00	-29.59	10.19	Line	-	6.22	9.96	0.23	-
QP	3.975M	24.18	56.00	-31.82	10.11	Line	-	14.07	9.98	0.13	-
AV	3.975M	14.59	46.00	-31.41	10.11	Line	-	4.48	9.98	0.13	-
QP	7.296M	26.04	60.00	-33.96	10.22	Line	-	15.82	10.08	0.14	-
AV	7.296M	18.00	50.00	-32.00	10.22	Line	-	7.78	10.08	0.14	-
QP	9.411M	26.78	60.00	-33.22	10.28	Line	-	16.50	10.13	0.15	-
AV	9.411M	18.89	50.00	-31.11	10.28	Line	-	8.61	10.13	0.15	-

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	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	249k	40.10	61.79	-21.69	10.05	Neutral	-	30.05	9.92	0.13	-
AV	249k	31.02	51.79	-20.77	10.05	Neutral	"Worst"	20.97	9.92	0.13	-
QP	289.5k	35.16	60.53	-25.37	10.05	Neutral	-	25.11	9.92	0.13	-
AV	289.5k	24.66	50.53	-25.87	10.05	Neutral	-	14.61	9.92	0.13	-
QP	541.5k	32.69	56.00	-23.31	10.07	Neutral	-	22.62	9.92	0.15	-
AV	541.5k	23.87	46.00	-22.13	10.07	Neutral	-	13.80	9.92	0.15	-
QP	856.5k	32.86	56.00	-23.14	10.12	Neutral	-	22.74	9.93	0.19	-
AV	856.5k	22.73	46.00	-23.27	10.12	Neutral	-	12.61	9.93	0.19	-
QP	2.828M	32.43	56.00	-23.57	10.15	Neutral	-	22.28	9.97	0.18	-
AV	2.828M	23.30	46.00	-22.70	10.15	Neutral	-	13.15	9.97	0.18	-
QP	7.904M	26.52	60.00	-33.48	10.21	Neutral	-	16.31	10.07	0.14	-
AV	7.904M	18.59	50.00	-31.41	10.21	Neutral	-	8.38	10.07	0.14	-

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)_1TX	9.5M	14.318M	14M3G1D	8.05M	10.145M
802.11g_Nss1,(6Mbps)_2TX	15.075M	17.041M	17M0D1D	14.4M	16.317M
802.11n HT20_Nss1,(MCS0)_2TX	15.05M	17.666M	17M7D1D	14.275M	17.441M
802.11n HT40_Nss1,(MCS0)_2TX	35.55M	36.232M	36M2D1D	33.8M	36.132M

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

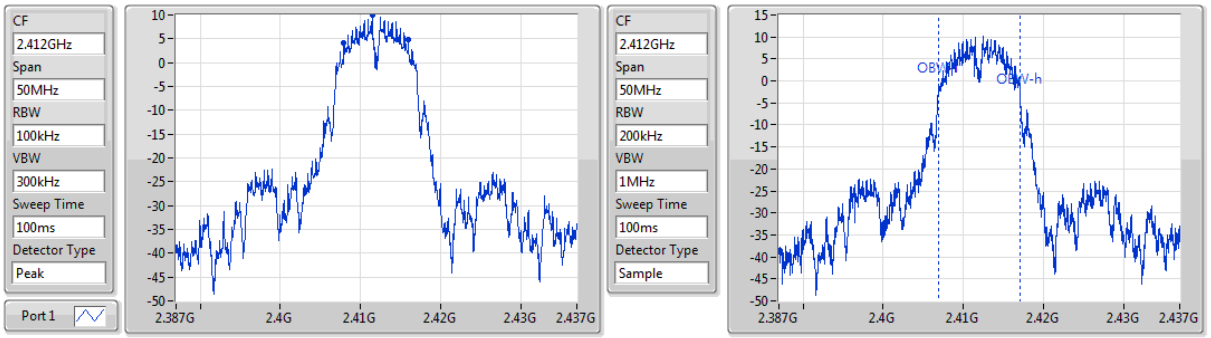
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	10.195M		
2437MHz	Pass	500k	9.5M	14.318M		
2462MHz	Pass	500k	8.05M	10.145M		
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	16.317M	15.025M	16.317M
2437MHz	Pass	500k	14.4M	16.692M	15.025M	17.041M
2462MHz	Pass	500k	14.4M	16.342M	15.075M	16.367M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.275M	17.441M	15.05M	17.491M
2437MHz	Pass	500k	14.425M	17.641M	14.975M	17.666M
2462MHz	Pass	500k	15.025M	17.466M	14.325M	17.491M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.55M	36.182M	35M	36.232M
2437MHz	Pass	500k	35.05M	36.182M	35.1M	36.182M
2452MHz	Pass	500k	35M	36.232M	33.8M	36.132M

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

802.11b_Nss1,(1Mbps)_1TX **EBW**

2412MHz

28/11/2018

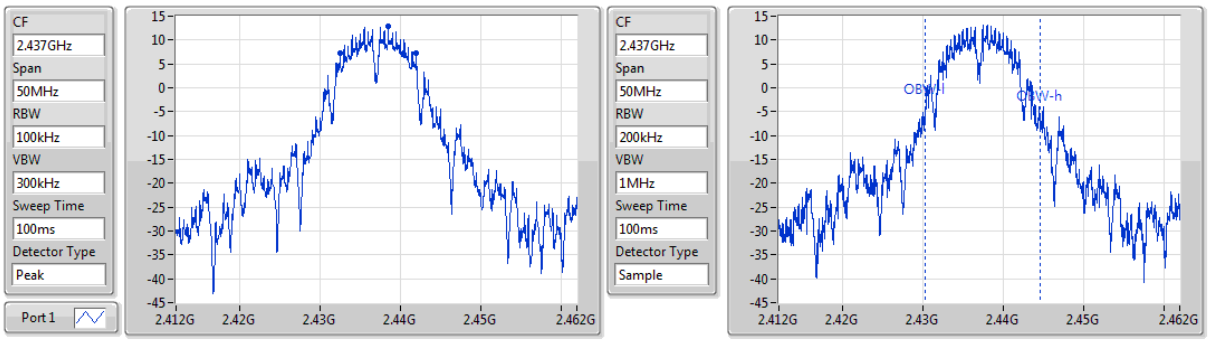


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.40795G	2.416G	10.195M	2.406878G	2.417072G	500k	1

802.11b_Nss1,(1Mbps)_1TX **EBW**

2437MHz

28/11/2018

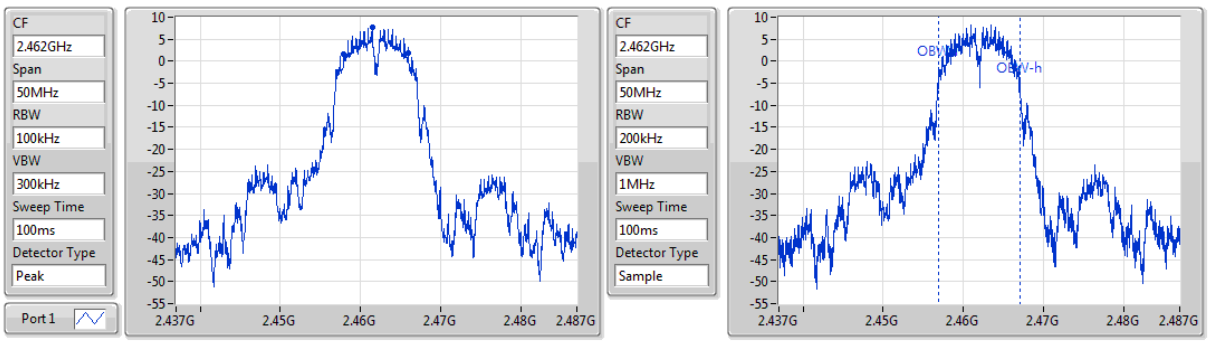


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.5M	2.43245G	2.44195G	14.318M	2.430253G	2.444571G	500k	1

802.11b_Nss1,(1Mbps)_1TX **EBW**

2462MHz

28/11/2018

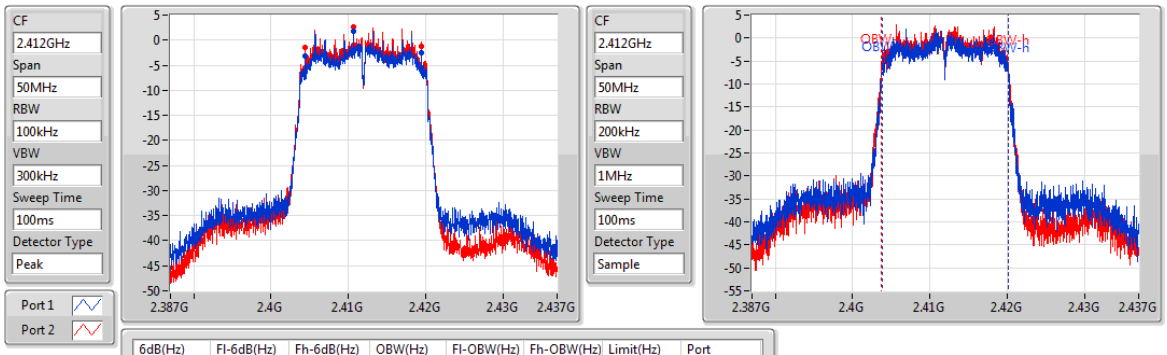


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.45795G	2.466G	10.145M	2.456878G	2.467022G	500k	1

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

2412MHz

28/11/2018

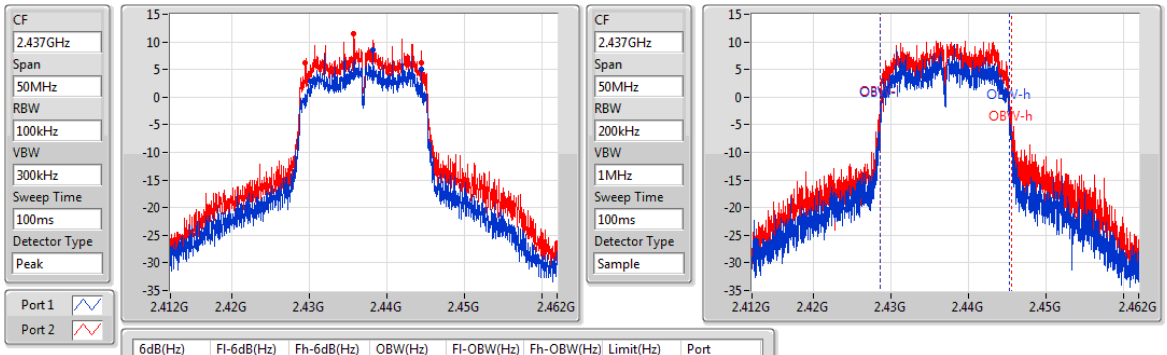


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.40445G	2.4195G	16.317M	2.403804G	2.420121G	500k	1
15.025M	2.40445G	2.419475G	16.317M	2.403779G	2.420096G	500k	2

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

2437MHz

28/11/2018

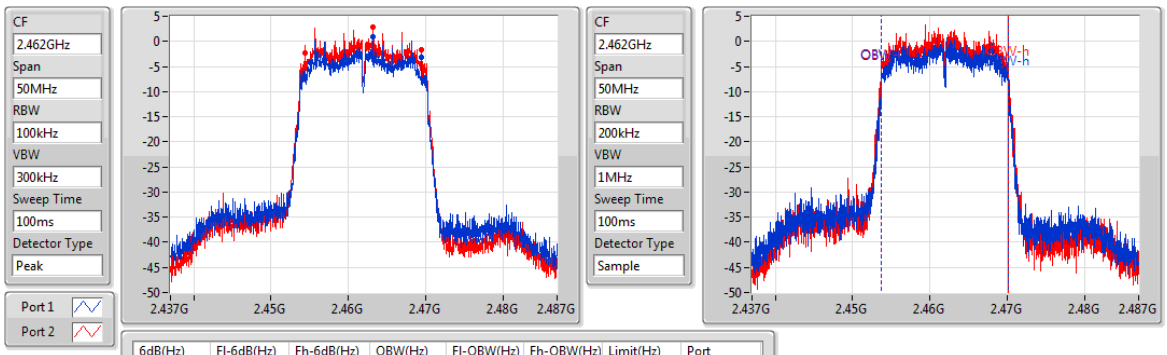


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.4M	2.4301G	2.4445G	16.692M	2.428604G	2.445296G	500k	1
15.025M	2.429425G	2.44445G	17.041M	2.428554G	2.445596G	500k	2

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

2462MHz

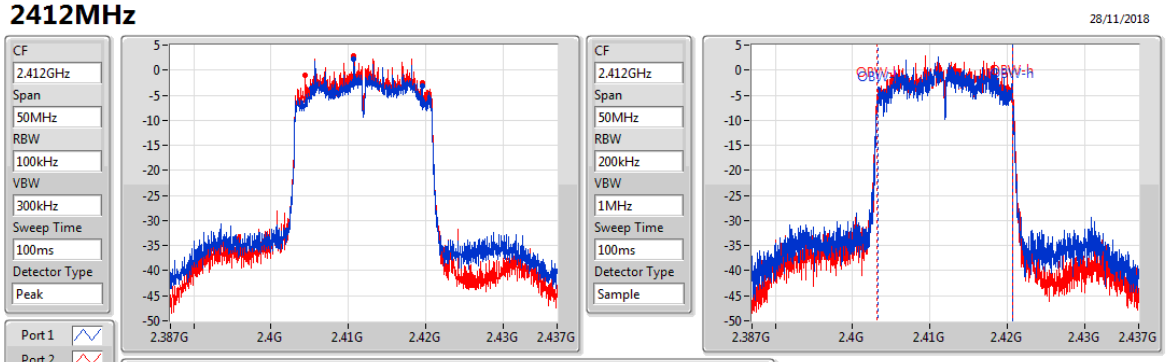
28/11/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.4M	2.455075G	2.469475G	16.342M	2.453779G	2.470121G	500k	1
15.075M	2.454425G	2.4695G	16.367M	2.453754G	2.470121G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

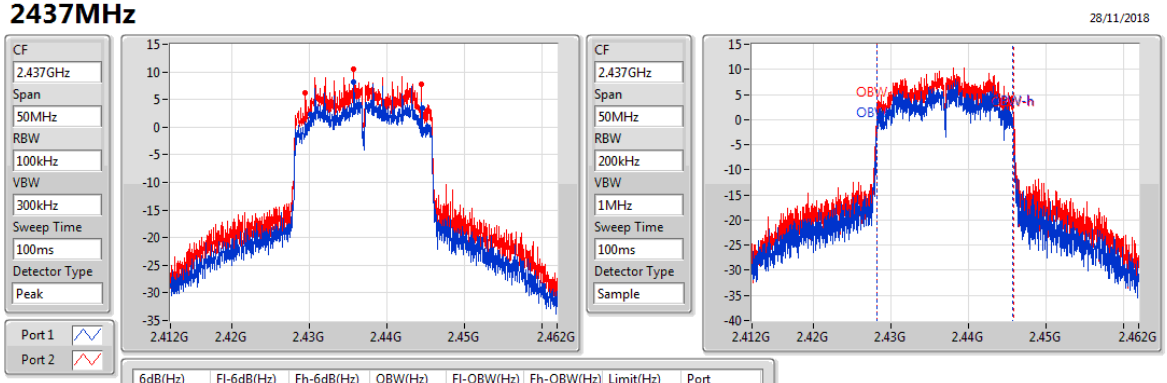
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.275M	2.40525G	2.419525G	17.441M	2.403229G	2.420671G	500k	1
15.05M	2.404475G	2.419525G	17.491M	2.403204G	2.420696G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

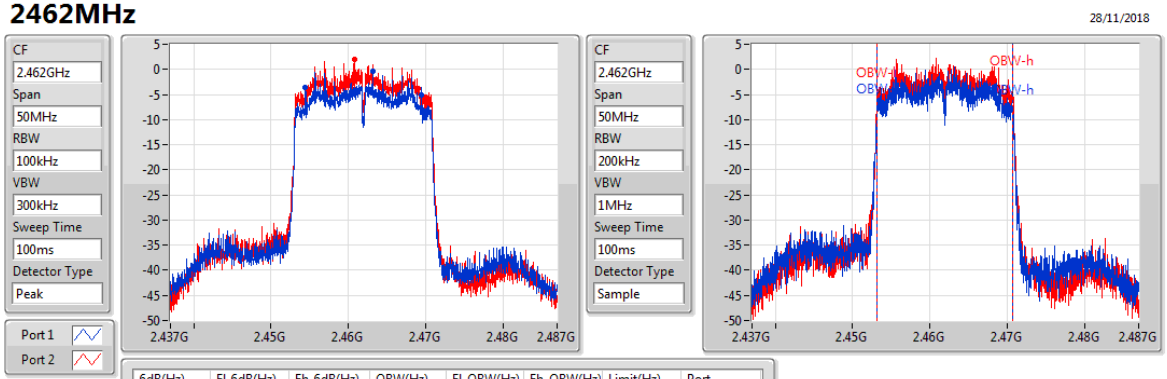
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.425M	2.4301G	2.444525G	17.641M	2.428104G	2.445746G	500k	1
14.975M	2.429475G	2.44445G	17.666M	2.428129G	2.445796G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

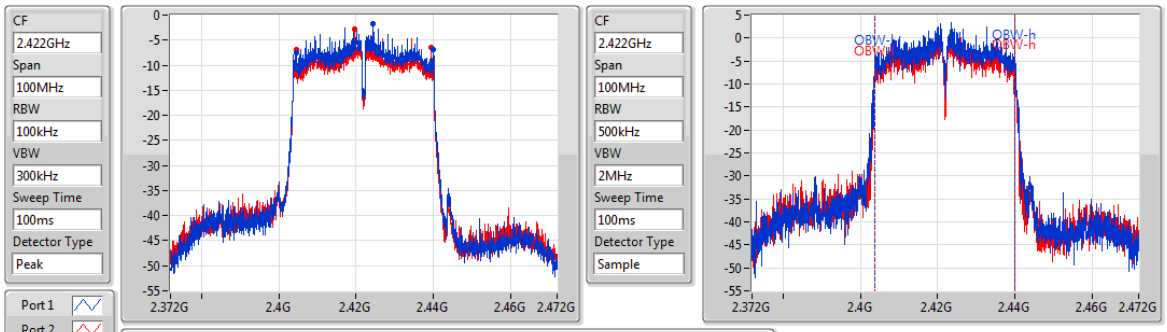


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.454475G	2.4695G	17.466M	2.453204G	2.470671G	500k	1
14.325M	2.45475G	2.469075G	17.491M	2.453204G	2.470696G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2422MHz

29/11/2018

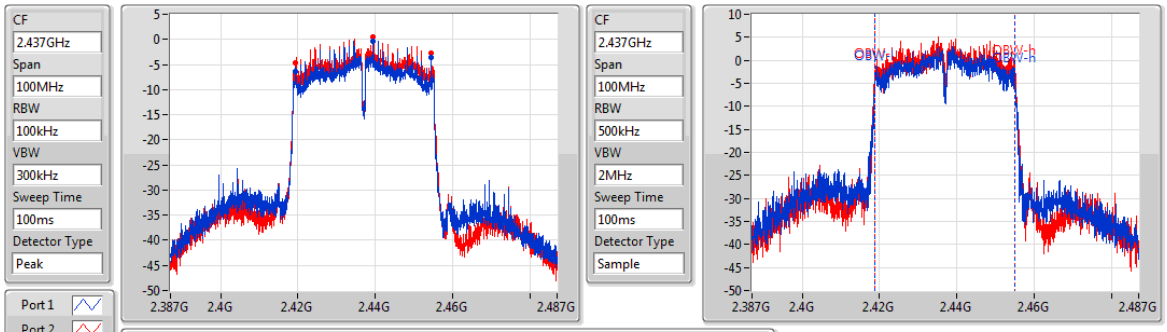


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.55M	2.40455G	2.4401G	36.182M	2.403859G	2.440041G	500k	1
35M	2.4045G	2.4395G	36.232M	2.403809G	2.440041G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2437MHz

28/11/2018

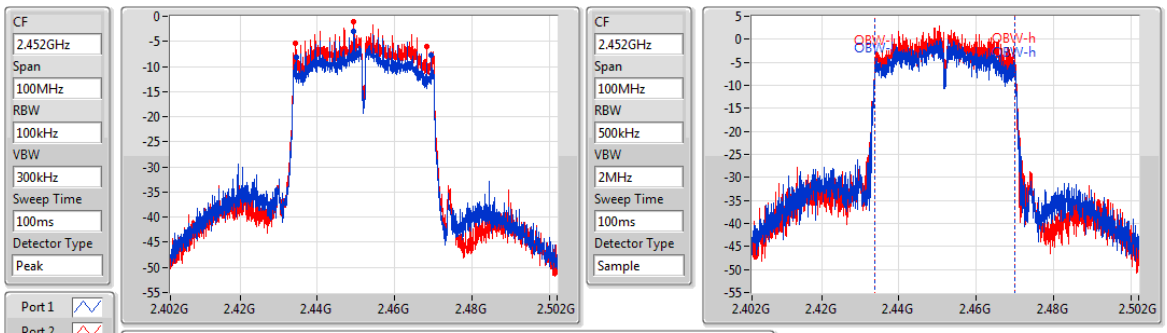


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.4194G	2.45445G	36.182M	2.418809G	2.454991G	500k	1
35.1M	2.4194G	2.4545G	36.182M	2.418859G	2.455041G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz

28/11/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	2.4345G	2.4695G	36.232M	2.433809G	2.470041G	500k	1
33.8M	2.43445G	2.46825G	36.132M	2.433859G	2.469991G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	21.89	0.15453
802.11g_Nss1,(6Mbps)_2TX	23.57	0.22751
802.11n HT20_Nss1,(MCS0)_2TX	22.94	0.19679
802.11n HT40_Nss1,(MCS0)_2TX	16.45	0.04416

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	3.24	18.31		18.31	30.00
2417MHz	Pass	3.24	20.36		20.36	30.00
2422MHz	Pass	3.24	21.43		21.43	30.00
2427MHz	Pass	3.24	21.61		21.61	30.00
2432MHz	Pass	3.24	21.73		21.73	30.00
2437MHz	Pass	3.24	21.89		21.89	30.00
2442MHz	Pass	3.71	21.86		21.86	30.00
2447MHz	Pass	3.71	21.81		21.81	30.00
2452MHz	Pass	3.71	20.36		20.36	30.00
2457MHz	Pass	3.71	18.52		18.52	30.00
2462MHz	Pass	3.71	16.48		16.48	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.24	12.48	13.49	16.02	30.00
2417MHz	Pass	3.24	14.88	15.79	18.37	30.00
2422MHz	Pass	3.24	16.47	17.73	20.16	30.00
2427MHz	Pass	3.24	17.47	19.49	21.61	30.00
2432MHz	Pass	3.24	18.29	20.56	22.58	30.00
2437MHz	Pass	3.24	18.98	21.71	23.57	30.00
2442MHz	Pass	3.71	18.02	20.18	22.24	30.00
2447MHz	Pass	3.71	17.07	18.88	21.08	30.00
2452MHz	Pass	3.71	15.75	17.79	19.90	30.00
2457MHz	Pass	3.71	13.81	15.37	17.67	30.00
2462MHz	Pass	3.71	11.68	13.56	15.73	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.24	12.64	13.05	15.86	30.00
2417MHz	Pass	3.24	14.85	15.52	18.21	30.00
2422MHz	Pass	3.24	15.99	17.57	19.86	30.00
2427MHz	Pass	3.24	17.47	18.98	21.30	30.00
2432MHz	Pass	3.24	18.06	19.89	22.08	30.00
2437MHz	Pass	3.24	18.59	20.95	22.94	30.00
2442MHz	Pass	3.71	18.28	19.52	21.95	30.00
2447MHz	Pass	3.71	16.56	18.01	20.36	30.00
2452MHz	Pass	3.71	16.02	16.86	19.47	30.00
2457MHz	Pass	3.71	14.05	14.47	17.28	30.00

AV Power Result

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2462MHz	Pass	3.71	10.63	13.41	15.25	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.24	9.92	11.17	13.60	30.00
2427MHz	Pass	3.24	10.14	11.53	13.90	30.00
2432MHz	Pass	3.24	10.20	11.73	14.04	30.00
2437MHz	Pass	3.24	12.83	13.98	16.45	30.00
2442MHz	Pass	3.71	10.89	13.54	15.42	30.00
2447MHz	Pass	3.71	10.52	11.87	14.26	30.00
2452MHz	Pass	3.71	10.03	11.94	14.10	30.00

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted average output power is for reference only

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	0.44
802.11g_Nss1,(6Mbps)_2TX	-1.42
802.11n HT20_Nss1,(MCS0)_2TX	-2.81
802.11n HT40_Nss1,(MCS0)_2TX	-11.86

RBW=3kHz.

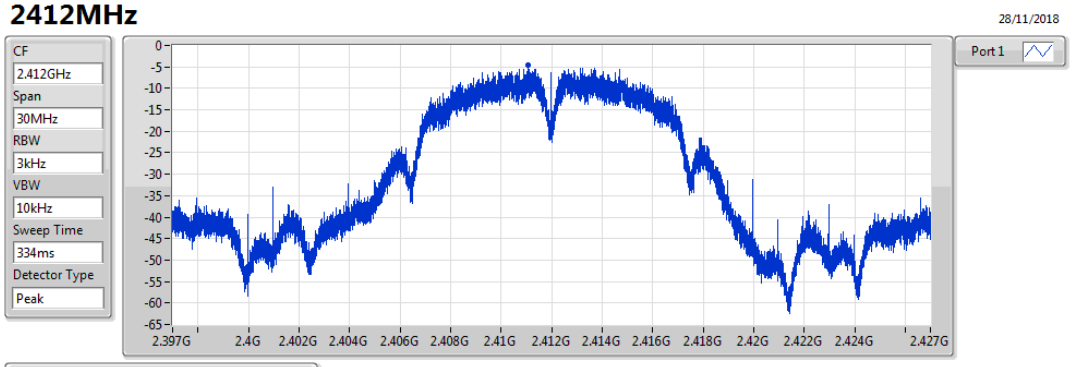
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	3.24	-4.49		-4.49	8.00
2437MHz	Pass	3.24	0.44		0.44	8.00
2462MHz	Pass	3.71	-6.63		-6.63	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.25	-11.16	-11.02	-9.35	7.75
2437MHz	Pass	6.25	-5.85	-3.24	-1.42	7.75
2462MHz	Pass	6.72	-11.61	-11.30	-9.49	7.28
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.25	-12.62	-10.90	-9.43	7.75
2437MHz	Pass	6.25	-5.37	-3.76	-2.81	7.75
2462MHz	Pass	6.72	-13.98	-9.27	-8.19	7.28
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.25	-16.23	-14.78	-13.71	7.75
2437MHz	Pass	6.25	-14.56	-13.36	-11.86	7.75
2452MHz	Pass	6.72	-17.01	-14.77	-14.12	7.28

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)_1TX **PSD**

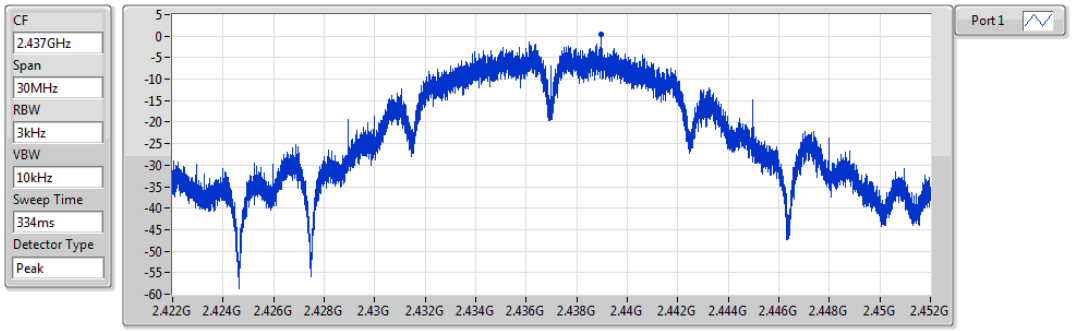
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.49	-4.49	-4.49

802.11b_Nss1,(1Mbps)_1TX **PSD**

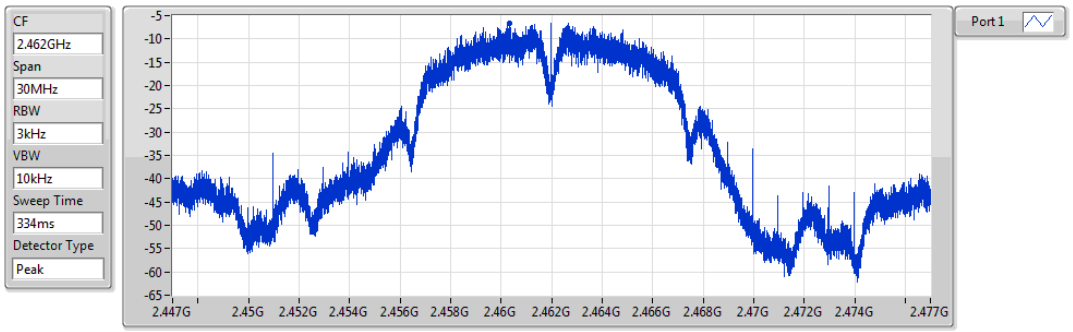
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.44	0.44	0.44

802.11b_Nss1,(1Mbps)_1TX **PSD**

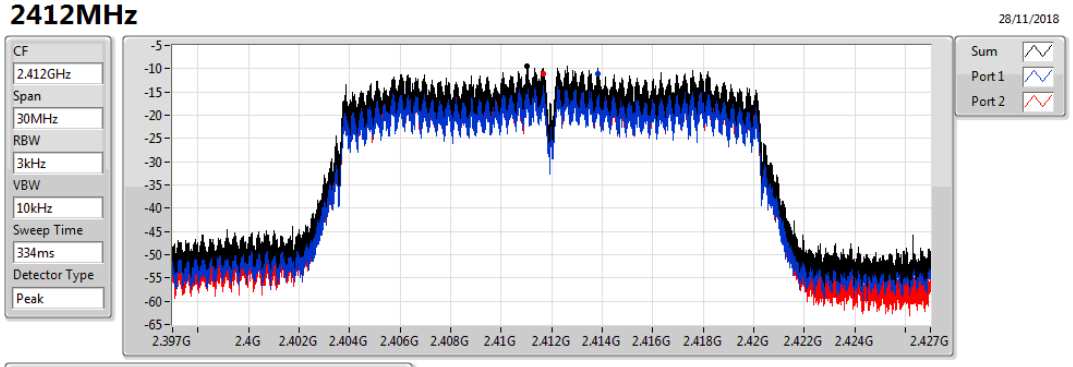
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.63	-6.63	-6.63

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

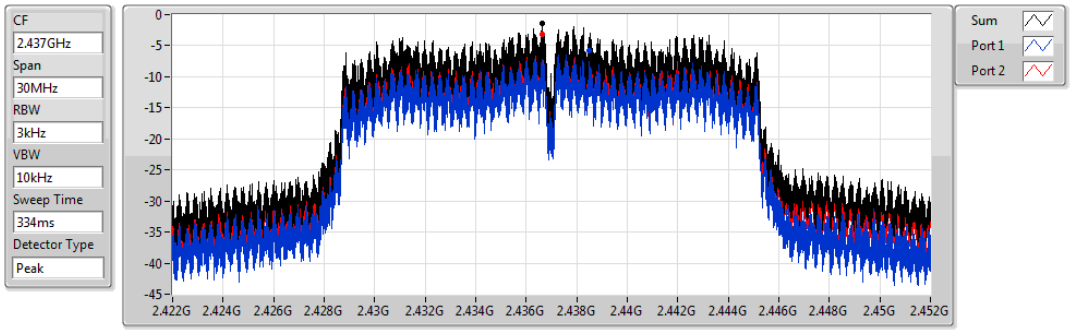
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.35	-9.35	-11.16	-11.02

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

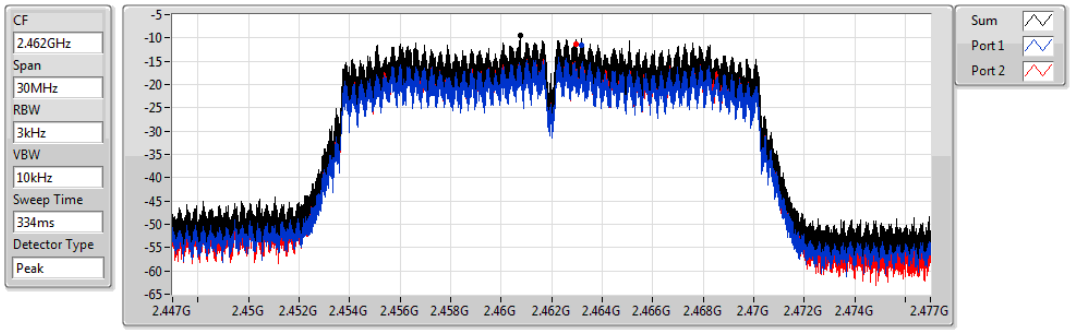
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.42	-1.42	-5.85	-3.24

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

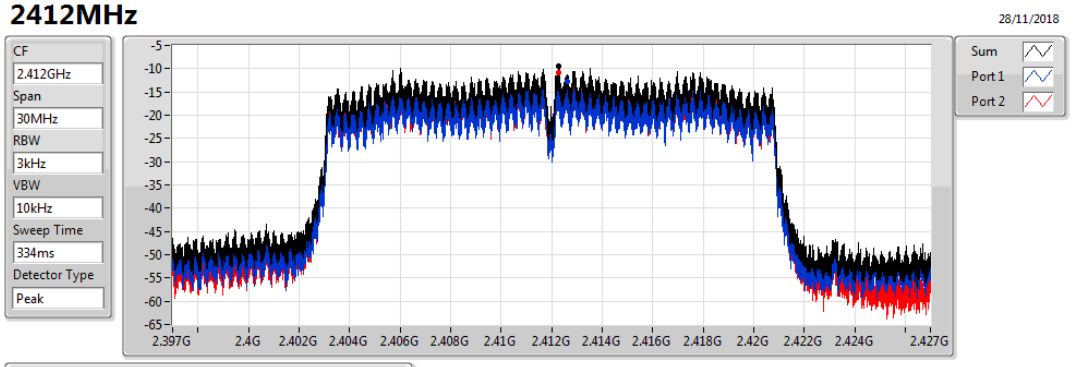
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.49	-9.49	-11.61	-11.30

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

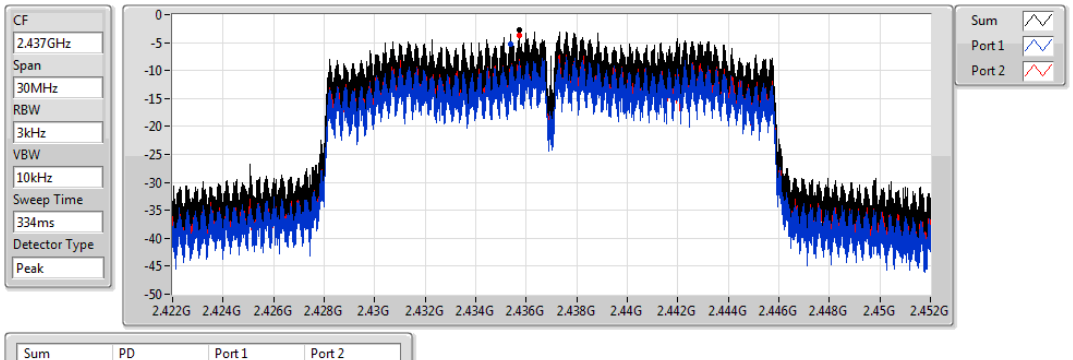
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.43	-9.43	-12.62	-10.90

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

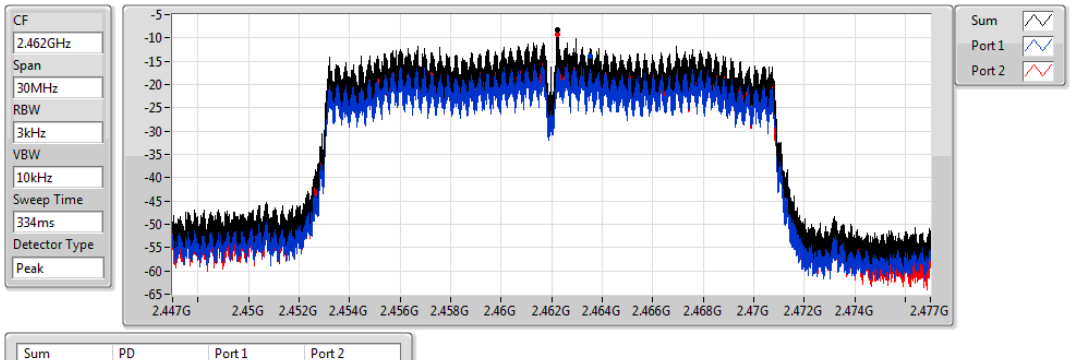
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.81	-2.81	-5.37	-3.76

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

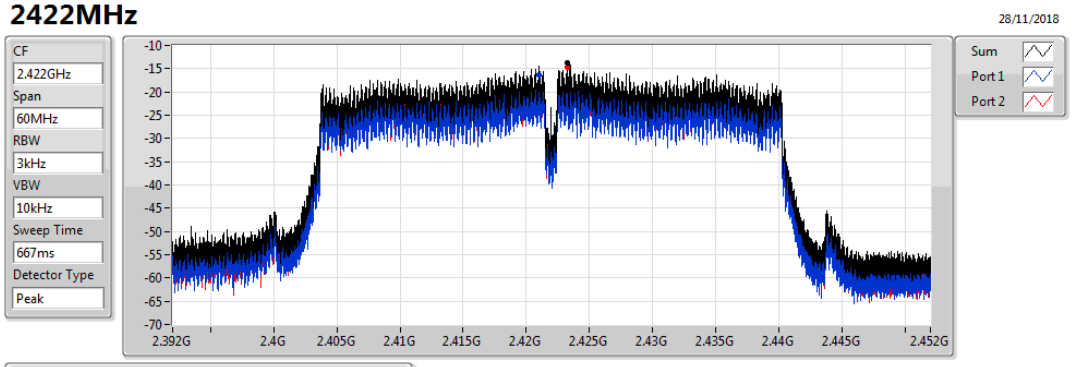
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.19	-8.19	-13.98	-9.27

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

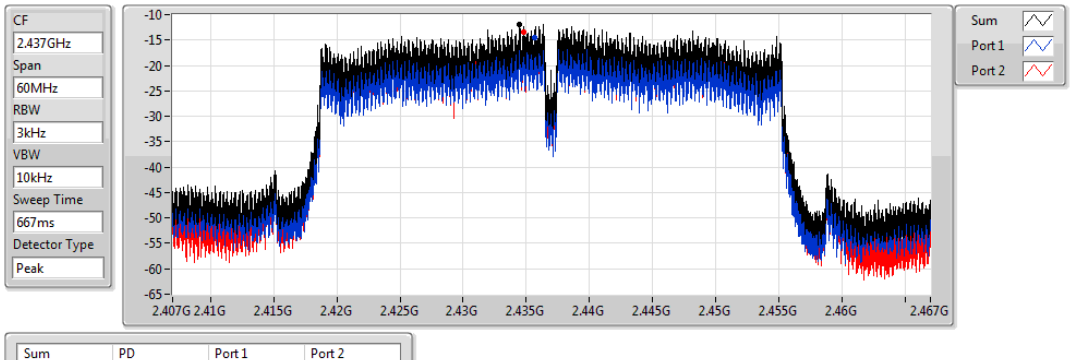
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.71	-13.71	-16.23	-14.78

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

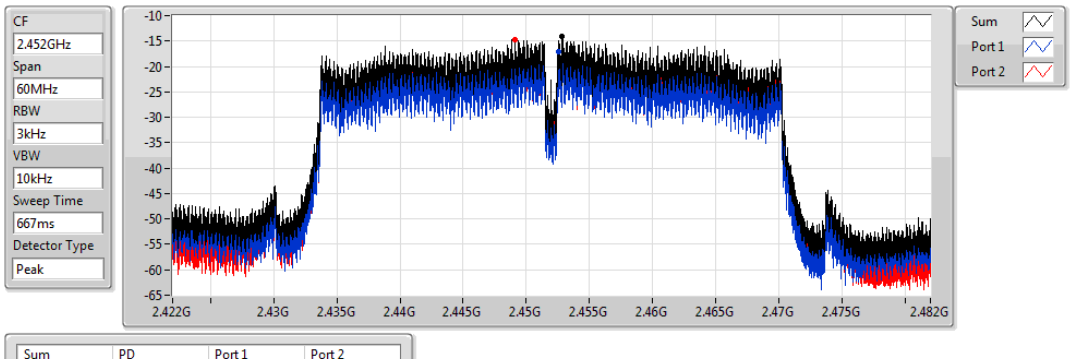
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.86	-11.86	-14.56	-13.36

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.12	-14.12	-17.01	-14.77

Summary

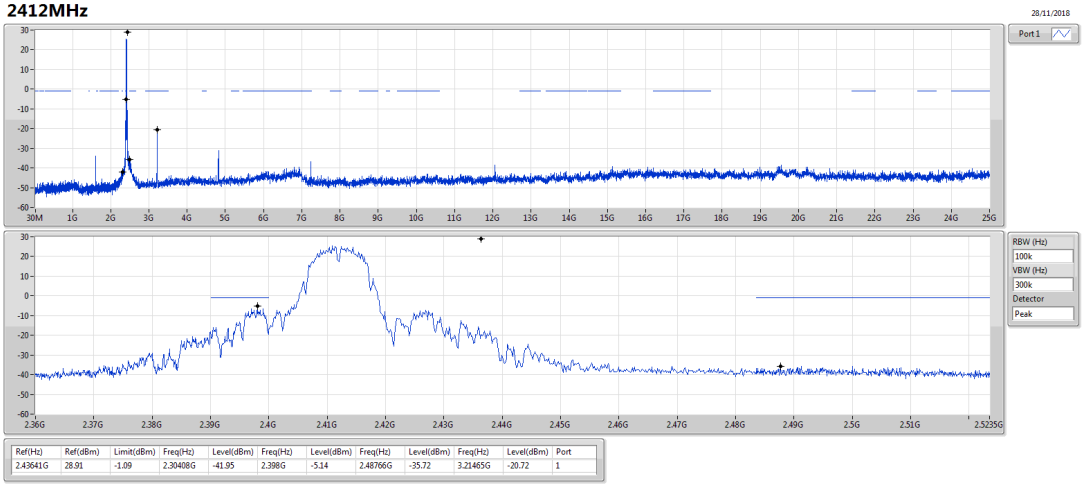
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43641G	28.91	-1.09	2.30408G	-41.95	2.398G	-5.14	2.48766G	-35.72	3.21465G	-20.72	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	26.53	-3.47	2.30641G	-43.56	2.392G	-14.91	2.49358G	-38.18	3.21465G	-22.06	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.43824G	26.48	-3.52	2.30758G	-44.52	2.39792G	-14.48	2.48742G	-38.91	3.21465G	-21.89	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.43323G	16.53	-13.47	2.30512G	-44.42	2.39984G	-15.67	2.48398G	-24.62	3.24781G	-25.02	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43641G	28.91	-1.09	2.30408G	-41.95	2.398G	-5.14	2.48766G	-35.72	3.21465G	-20.72	1
2437MHz	Pass	2.43641G	28.91	-1.09	1.62489G	-32.74	2.39904G	-17.31	2.4879G	-19.47	3.24837G	-22.43	1
2462MHz	Pass	2.43641G	28.91	-1.09	1.6412G	-35.79	2.39944G	-39.85	2.4839G	-20	3.28208G	-25.14	1
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	26.53	-3.47	2.30641G	-43.56	2.392G	-14.91	2.49358G	-38.18	3.21465G	-22.06	1
2412MHz	Pass	2.44192G	26.53	-3.47	2.30408G	-41.63	2.39824G	-16.19	2.49758G	-37.66	16.44207G	-40.15	2
2437MHz	Pass	2.44192G	26.53	-3.47	1.63188G	-42.18	2.39832G	-19.62	2.4879G	-23.77	3.24837G	-21.77	1
2437MHz	Pass	2.44192G	26.53	-3.47	2.30175G	-42.43	2.39984G	-16.25	2.48534G	-19.68	2.52631G	-34.13	2
2462MHz	Pass	2.44192G	26.53	-3.47	1.63654G	-44.87	2.39952G	-39.22	2.48382G	-22.92	3.28208G	-24.23	1
2462MHz	Pass	2.44192G	26.53	-3.47	2.30525G	-44.94	2.39936G	-38.93	2.48374G	-21.39	16.73989G	-39.41	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	26.48	-3.52	2.30758G	-44.52	2.39792G	-14.48	2.48742G	-38.91	3.21465G	-21.89	1
2412MHz	Pass	2.43824G	26.48	-3.52	2.30408G	-44.6	2.39856G	-15.52	2.49286G	-37.92	16.41117G	-39.59	2
2437MHz	Pass	2.43824G	26.48	-3.52	1.62489G	-40.78	2.39952G	-18.6	2.48382G	-24.11	3.24837G	-22.28	1
2437MHz	Pass	2.43824G	26.48	-3.52	2.30641G	-40.77	2.39944G	-17.92	2.4891G	-21.06	2.52912G	-35.97	2
2462MHz	Pass	2.43824G	26.48	-3.52	1.81245G	-45.18	2.39888G	-41.3	2.48446G	-23.95	3.28208G	-24.65	1
2462MHz	Pass	2.43824G	26.48	-3.52	2.30758G	-45.8	2.39544G	-40.46	2.48406G	-23.68	2.53474G	-39.32	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43323G	16.53	-13.47	717M	-45.51	2.39984G	-20.34	2.48574G	-38.35	3.22818G	-25.57	1
2422MHz	Pass	2.43323G	16.53	-13.47	2.30283G	-45.04	2.39984G	-19.69	2.48398G	-38.2	16.34232G	-39.83	2
2437MHz	Pass	2.43323G	16.53	-13.47	2.30512G	-44.42	2.39984G	-15.67	2.48398G	-24.62	3.24781G	-25.02	1
2437MHz	Pass	2.43323G	16.53	-13.47	2.30855G	-45.07	2.39872G	-16.64	2.48382G	-24.82	16.55266G	-40.03	2
2452MHz	Pass	2.43323G	16.53	-13.47	1.63987G	-45.3	2.39808G	-30.31	2.48814G	-20.22	3.26745G	-27.7	1
2452MHz	Pass	2.43323G	16.53	-13.47	920.81M	-45.81	2.39952G	-33.22	2.48686G	-21.22	17.40805G	-39.8	2

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

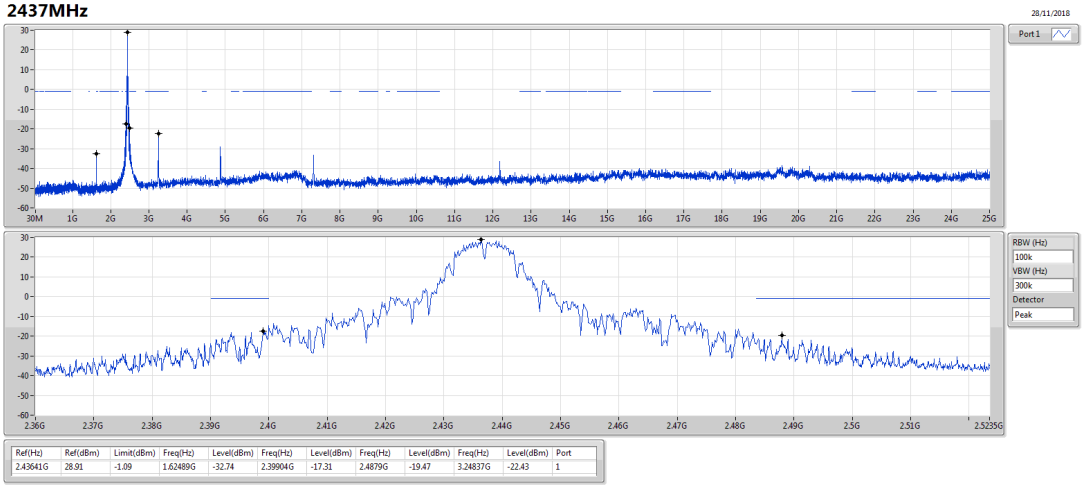
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43641G	28.91	-1.09	2.30408G	-41.95	2.398G	-5.14	2.48766G	-35.72	3.21465G	-20.72	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

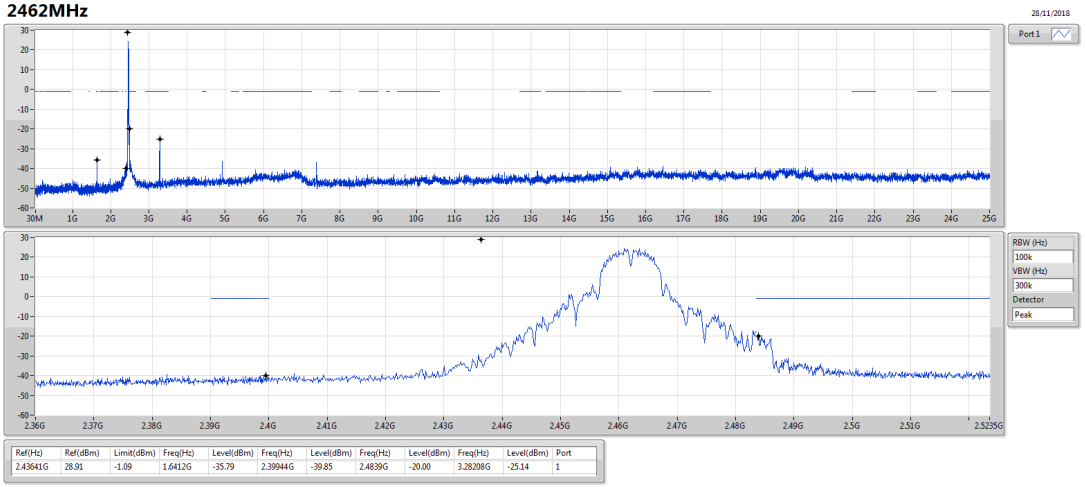
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43641G	28.91	-1.09	1.62489G	-32.74	2.39904G	-17.31	2.4879G	-19.47	3.24837G	-22.43	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

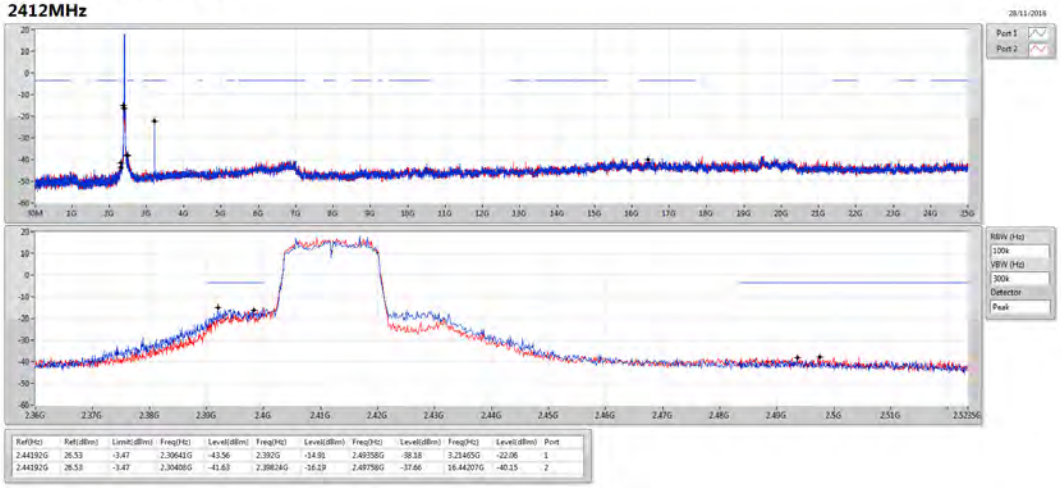
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43641G	28.91	-1.09	1.6412G	-35.79	2.39944G	-39.85	2.4839G	-20.00	3.28208G	-25.14	1

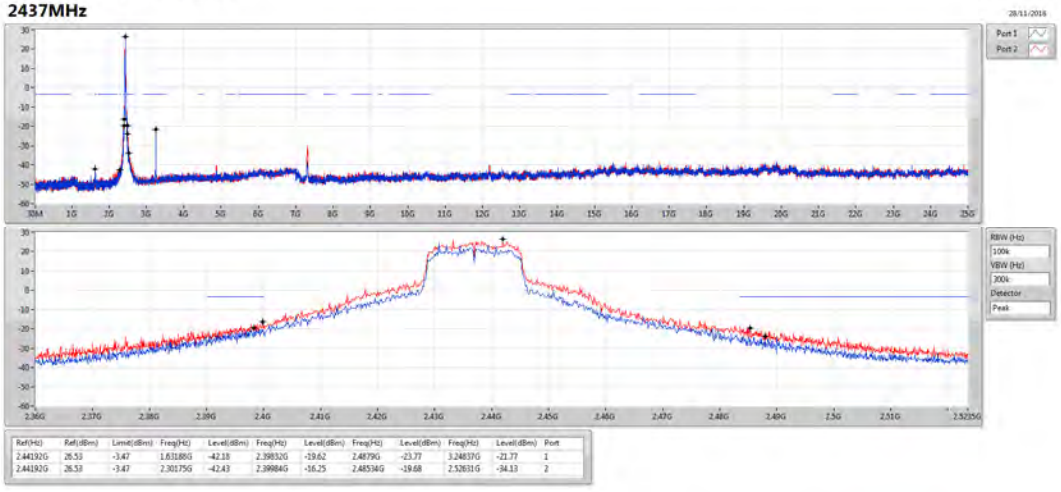
802.11g_Nss1,(6Mbps)_2TX CSE NdB

2412MHz



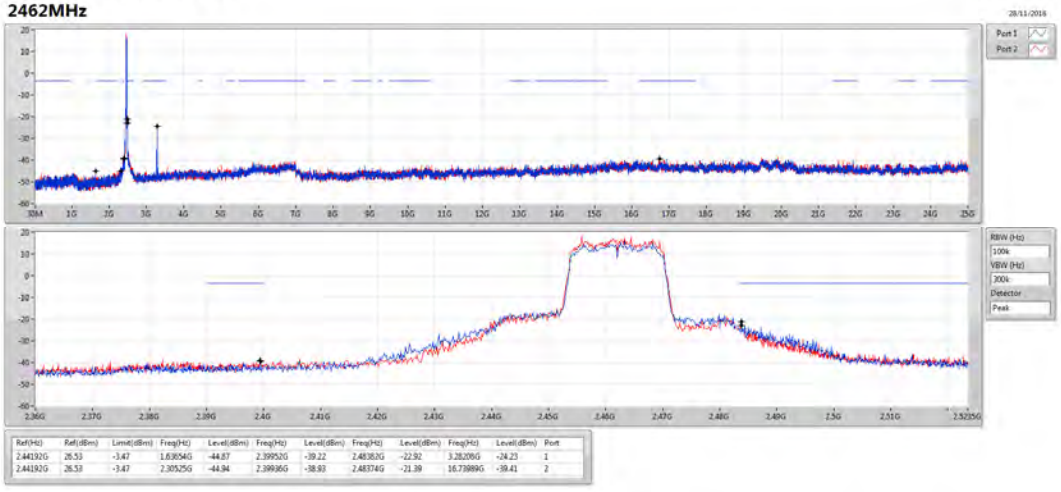
802.11g_Nss1,(6Mbps)_2TX CSE NdB

2437MHz



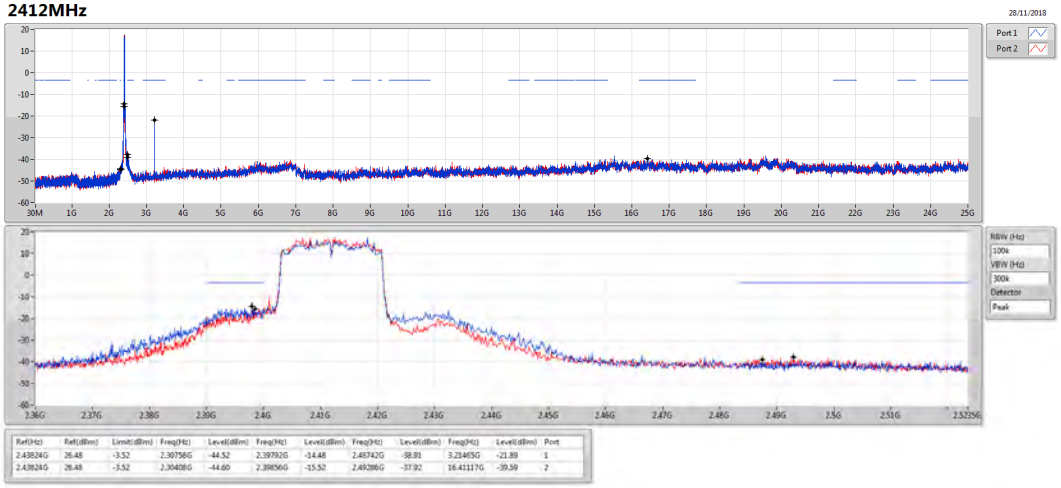
802.11g_Nss1,(6Mbps)_2TX CSE NdB

2462MHz



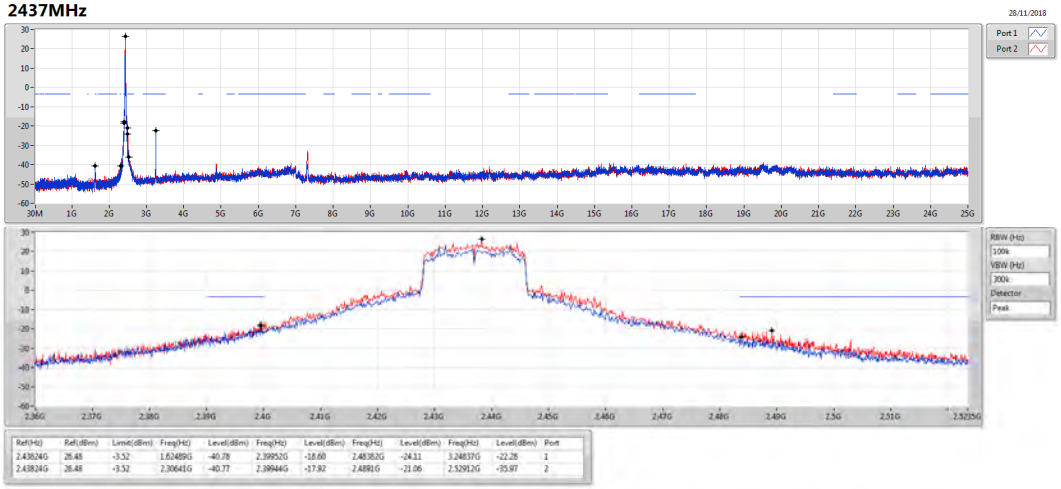
802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

2412MHz



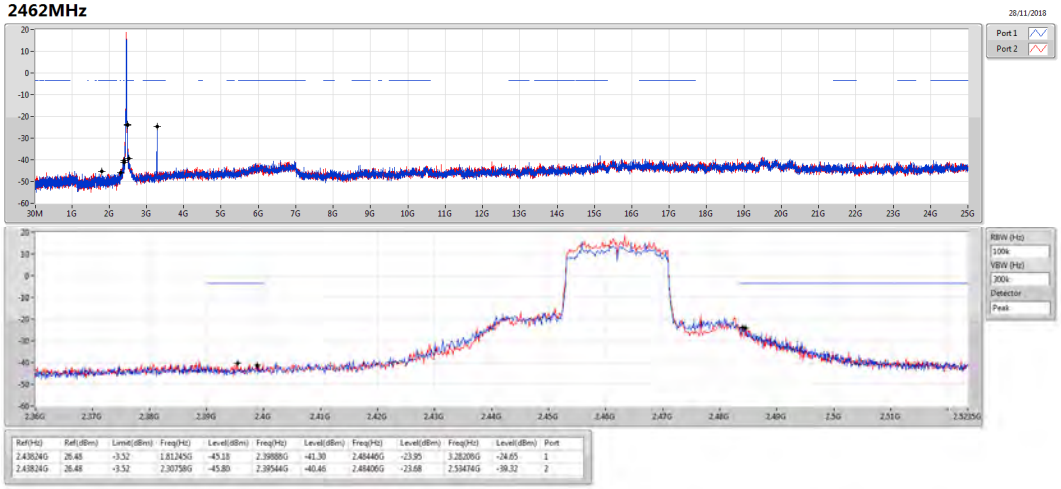
802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz



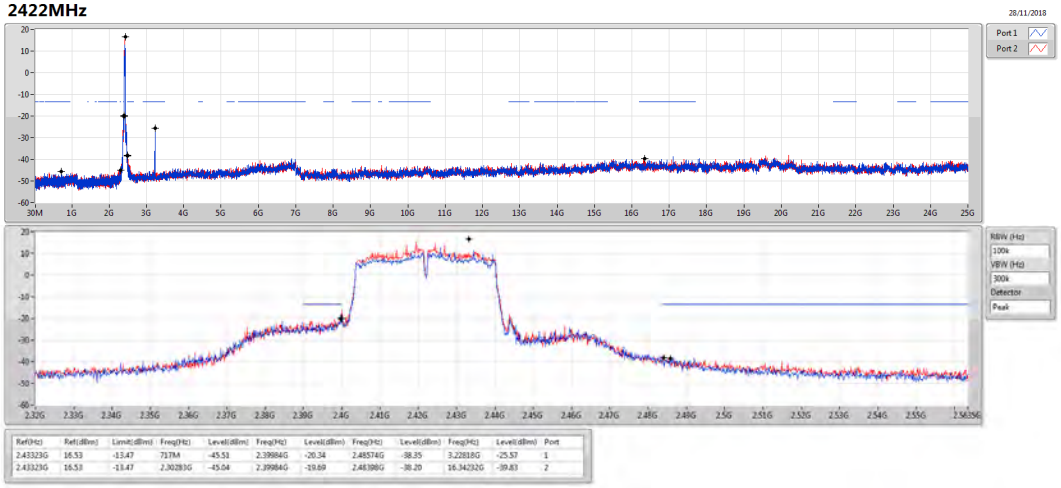
802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz



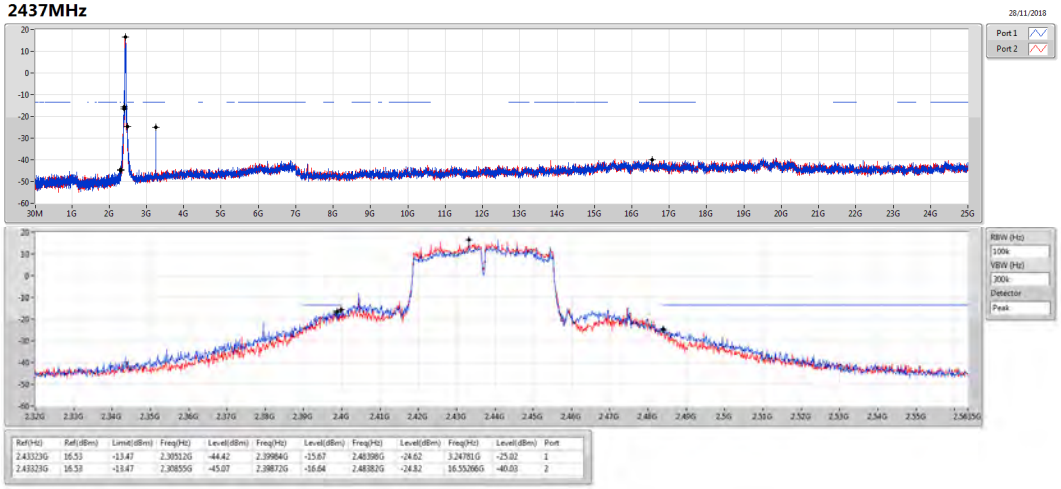
802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2422MHz



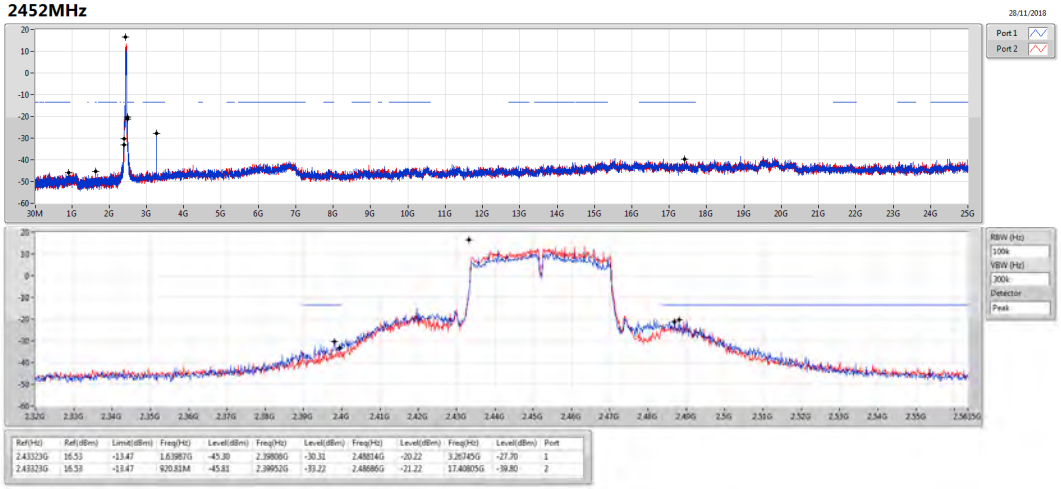
802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

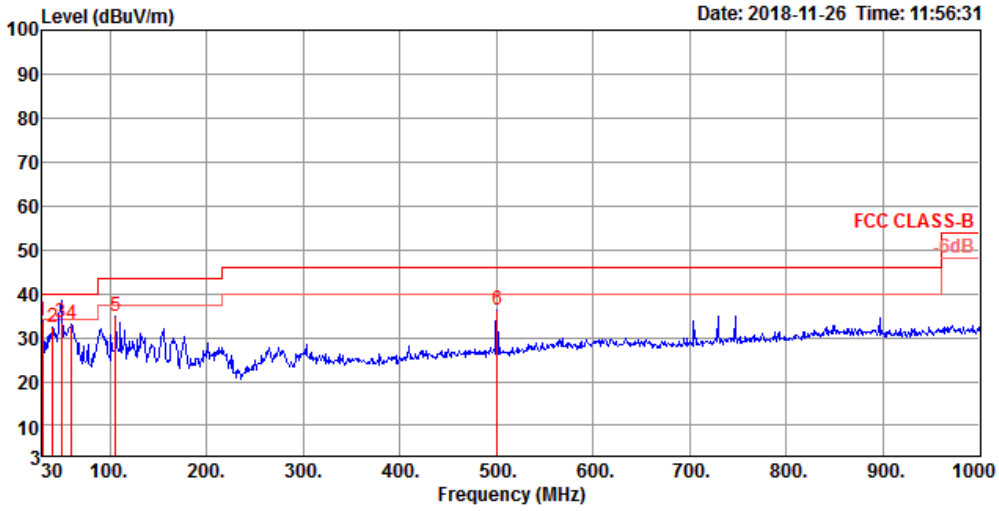


802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



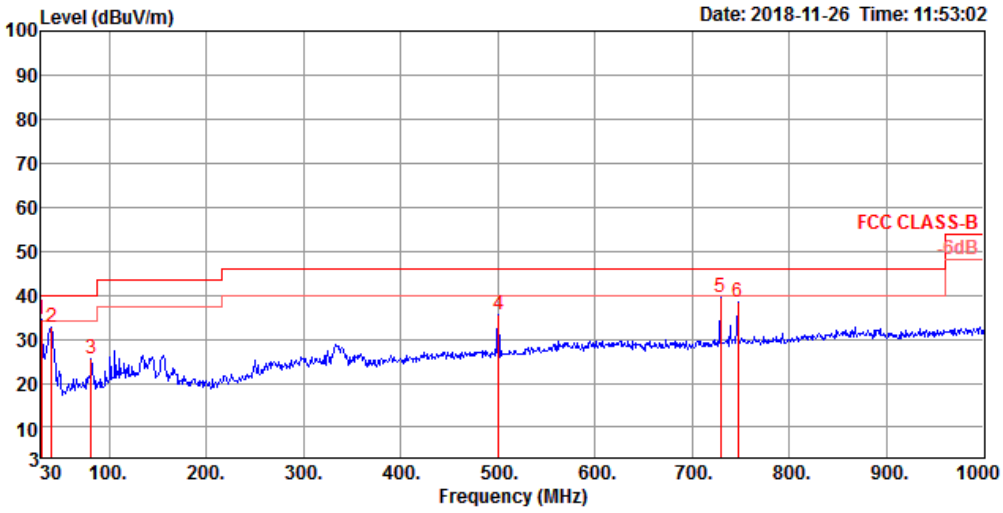
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	33.81	40.00	-6.19	36.65	0.80	24.91	28.55	300	13	Peak	VERTICAL
2	40.67	32.46	40.00	-7.54	41.19	0.75	19.06	28.54	300	0	Peak	VERTICAL
3	49.40	33.25	40.00	-6.75	46.31	0.93	14.55	28.54	100	314	QP	VERTICAL
4	60.07	33.07	40.00	-6.93	48.41	1.01	12.17	28.52	150	6	Peak	VERTICAL
5	105.66	34.68	43.50	-8.82	44.64	1.26	17.20	28.42	100	354	Peak	VERTICAL
6	500.45	36.23	46.00	-9.77	39.93	2.39	23.18	29.27	100	13	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.)

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	34.39	40.00	-5.61	37.23	0.80	24.91	28.55	300	55	Peak	HORIZONTAL
2	40.67	32.86	40.00	-7.14	41.59	0.75	19.06	28.54	300	208	Peak	HORIZONTAL
3	81.41	25.55	40.00	-14.45	39.70	1.07	13.26	28.48	150	244	Peak	HORIZONTAL
4	500.45	35.59	46.00	-10.41	39.29	2.39	23.18	29.27	100	219	Peak	HORIZONTAL
5	729.37	39.49	46.00	-6.51	40.77	2.94	25.05	29.27	300	360	Peak	HORIZONTAL
6	746.83	38.43	46.00	-7.57	39.32	2.96	25.39	29.24	300	180	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.)

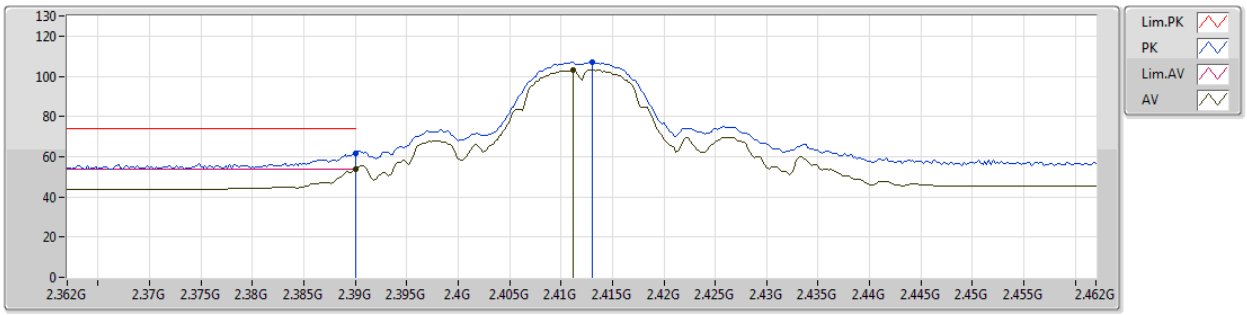
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	2.39G	53.99	54.00	-0.01	31.95	3	Vertical	47	1.17	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

24/11/2018



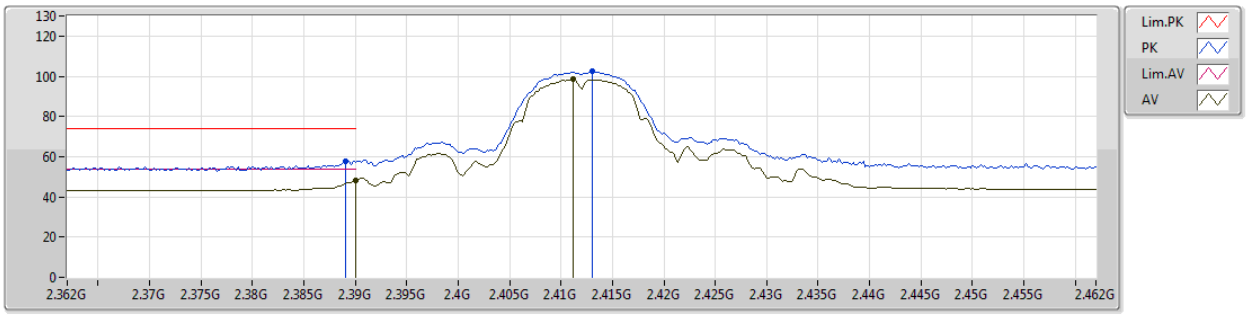
EUT Y_1TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	61.48	74.00	-12.52	31.95	3	Vertical	47	1.17	-
AV	2.39G	53.99	54.00	-0.01	31.95	3	Vertical	47	1.17	-
PK	2.413G	107.19	Inf	-Inf	32.02	3	Vertical	47	1.17	-
AV	2.4112G	103.10	Inf	-Inf	32.01	3	Vertical	47	1.17	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

24/11/2018



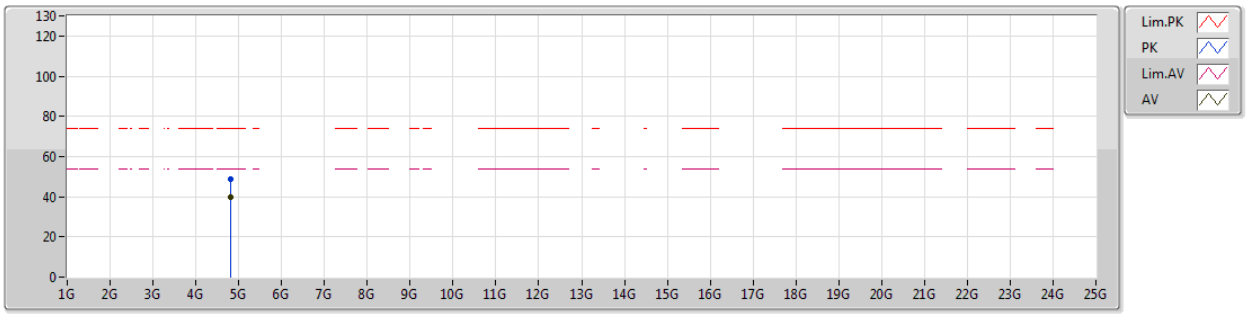
EUT Y_1TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	57.85	74.00	-16.15	31.95	3	Horizontal	231	2.90	-
AV	2.39G	48.13	54.00	-5.87	31.95	3	Horizontal	231	2.90	-
PK	2.413G	102.30	Inf	-Inf	32.02	3	Horizontal	231	2.90	-
AV	2.4112G	98.43	Inf	-Inf	32.01	3	Horizontal	231	2.90	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

24/11/2018



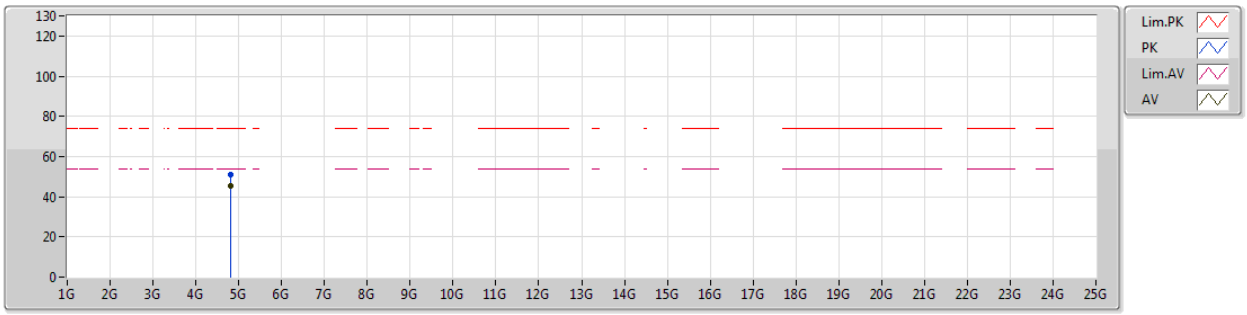
EUT Y_1TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8241G	48.51	74.00	-25.49	4.97	3	Vertical	70	2.74	-
AV	4.82392G	39.96	54.00	-14.04	4.97	3	Vertical	70	2.74	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

24/11/2018



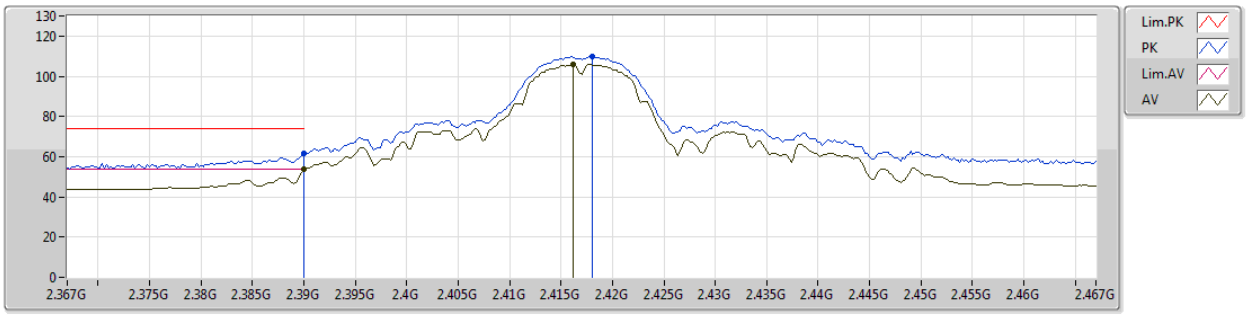
EUT Y_1TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82386G	51.07	74.00	-22.93	4.97	3	Horizontal	261	2.30	-
AV	4.82394G	45.46	54.00	-8.54	4.97	3	Horizontal	261	2.30	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

24/11/2018



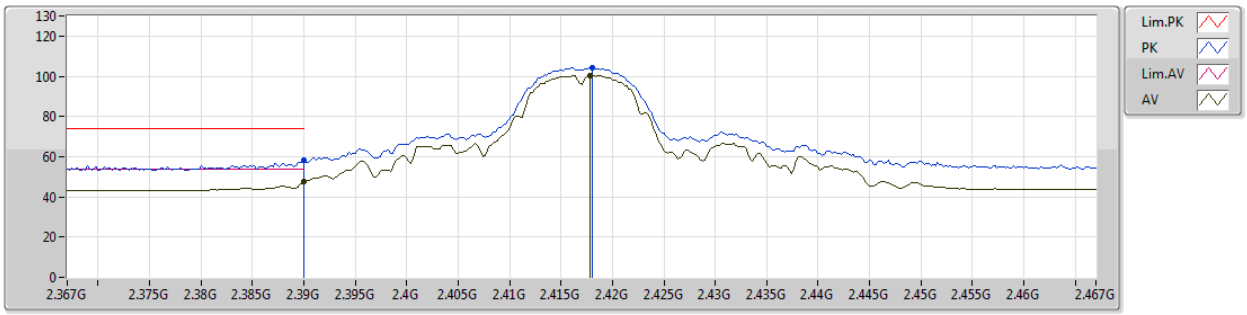
EUT Y_1TX
Setting 82
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	61.80	74.00	-12.20	31.95	3	Vertical	71	1.03	-
AV	2.39G	53.83	54.00	-0.17	31.95	3	Vertical	71	1.03	-
PK	2.418G	109.71	Inf	-Inf	32.03	3	Vertical	71	1.03	-
AV	2.4162G	105.66	Inf	-Inf	32.02	3	Vertical	71	1.03	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

24/11/2018



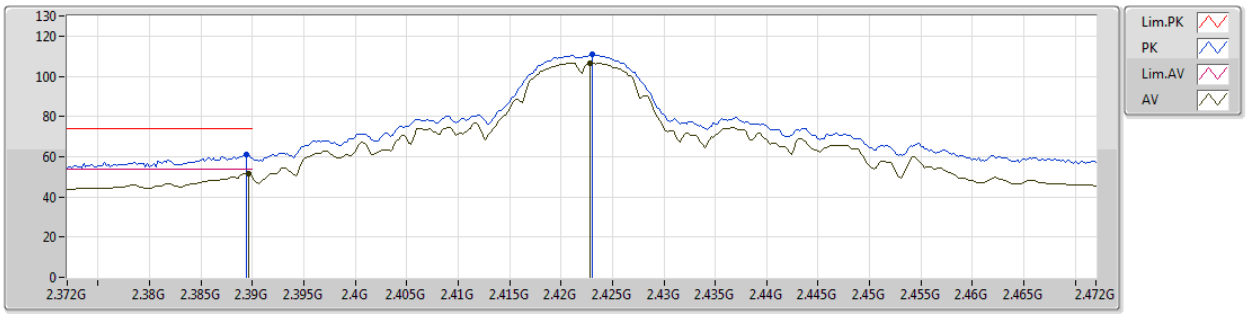
EUT Y_1TX
Setting 82
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	58.08	74.00	-15.92	31.95	3	Horizontal	230	2.90	-
AV	2.39G	47.57	54.00	-6.43	31.95	3	Horizontal	230	2.90	-
PK	2.418G	104.40	Inf	-Inf	32.03	3	Horizontal	230	2.90	-
AV	2.4178G	100.33	Inf	-Inf	32.03	3	Horizontal	230	2.90	-

802.11b_Nss1,(1Mbps)_1TX

2422MHz_TX

24/11/2018



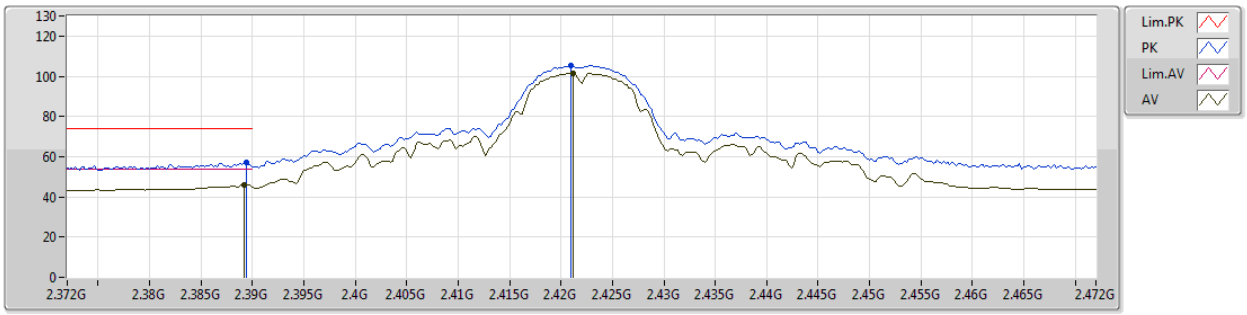
EUT Y_1TX
Setting 85
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	61.08	74.00	-12.92	31.95	3	Vertical	38	1.20	-
AV	2.3896G	51.61	54.00	-2.39	31.95	3	Vertical	38	1.20	-
PK	2.423G	110.68	Inf	-Inf	32.05	3	Vertical	38	1.20	-
AV	2.4228G	106.59	Inf	-Inf	32.05	3	Vertical	38	1.20	-

802.11b_Nss1,(1Mbps)_1TX

2422MHz_TX

24/11/2018



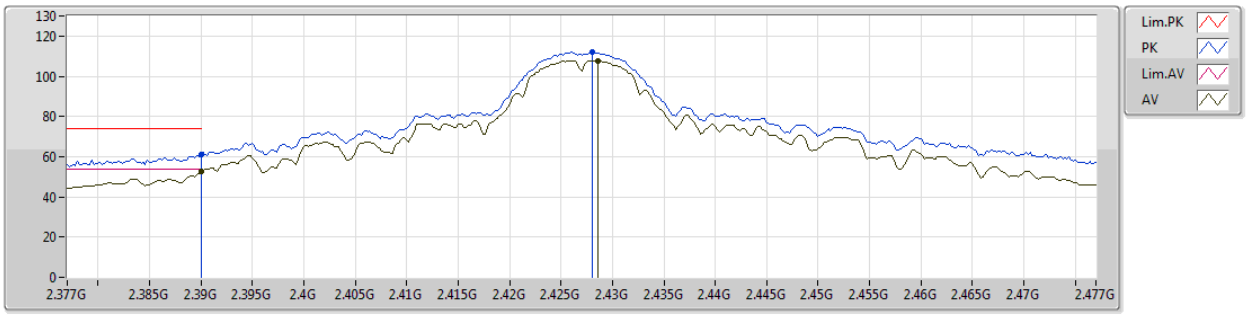
EUT Y_1TX
Setting 85
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	56.97	74.00	-17.03	31.95	3	Horizontal	232	1.69	-
AV	2.3892G	46.11	54.00	-7.89	31.95	3	Horizontal	232	1.69	-
PK	2.421G	105.40	Inf	-Inf	32.04	3	Horizontal	232	1.69	-
AV	2.4212G	101.47	Inf	-Inf	32.04	3	Horizontal	232	1.69	-

802.11b_Nss1,(1Mbps)_1TX

2427MHz_TX

24/11/2018



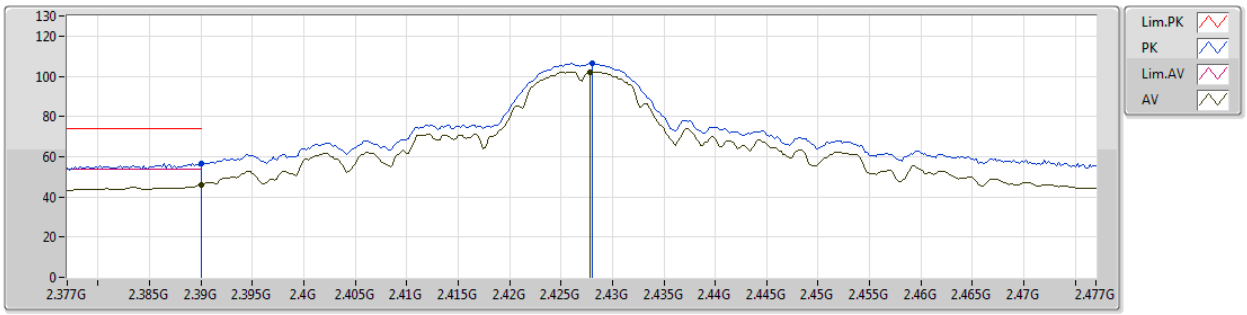
EUT Y_1TX
Setting 87
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	60.80	74.00	-13.20	31.95	3	Vertical	18	1.04	-
AV	2.39G	52.65	54.00	-1.35	31.95	3	Vertical	18	1.04	-
PK	2.428G	111.99	Inf	-Inf	32.06	3	Vertical	18	1.04	-
AV	2.4286G	107.79	Inf	-Inf	32.06	3	Vertical	18	1.04	-

802.11b_Nss1,(1Mbps)_1TX

2427MHz_TX

24/11/2018



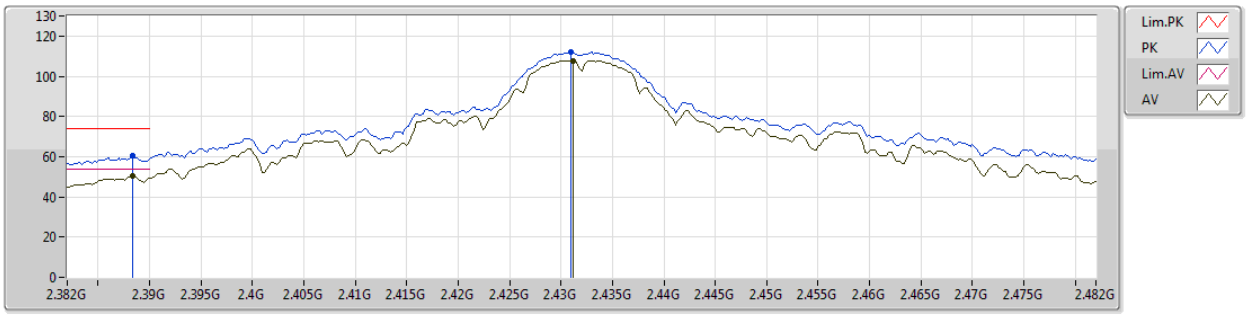
EUT Y_1TX
Setting 87
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	56.70	74.00	-17.30	31.95	3	Horizontal	231	1.65	-
AV	2.39G	45.96	54.00	-8.04	31.95	3	Horizontal	231	1.65	-
PK	2.428G	106.43	Inf	-Inf	32.06	3	Horizontal	231	1.65	-
AV	2.4278G	102.24	Inf	-Inf	32.06	3	Horizontal	231	1.65	-

802.11b_Nss1,(1Mbps)_1TX

2432MHz_TX

24/11/2018



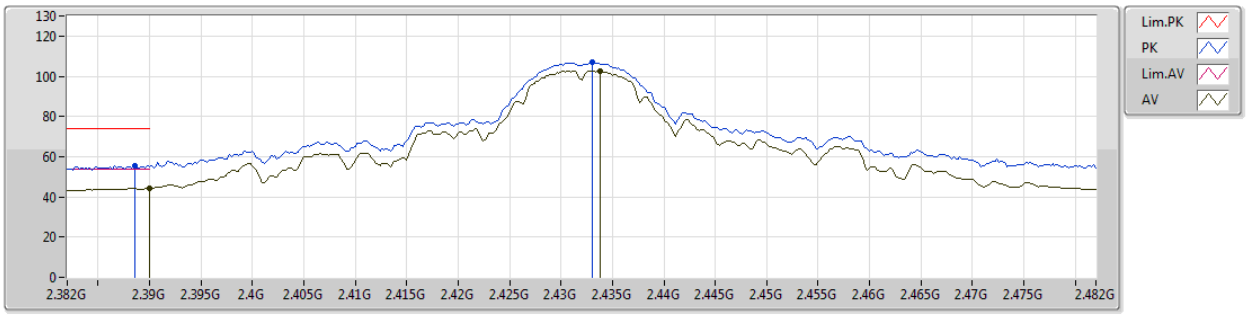
EUT Y_1TX
Setting 88
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	60.45	74.00	-13.55	31.95	3	Vertical	5	1.04	-
AV	2.3884G	50.28	54.00	-3.72	31.95	3	Vertical	5	1.04	-
PK	2.431G	111.97	Inf	-Inf	32.07	3	Vertical	5	1.04	-
AV	2.4312G	107.81	Inf	-Inf	32.07	3	Vertical	5	1.04	-

802.11b_Nss1,(1Mbps)_1TX

2432MHz_TX

24/11/2018



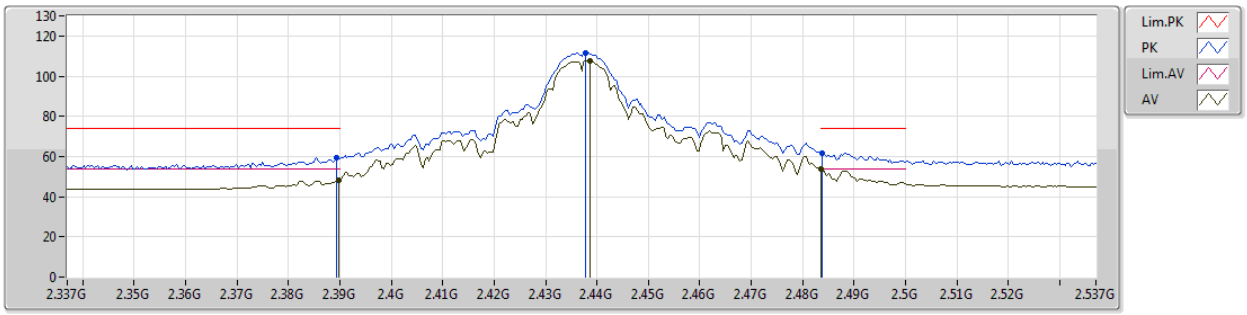
EUT Y_1TX
Setting 88
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	55.71	74.00	-18.29	31.95	3	Horizontal	231	2.85	-
AV	2.39G	44.29	54.00	-9.71	31.95	3	Horizontal	231	2.85	-
PK	2.433G	106.84	Inf	-Inf	32.08	3	Horizontal	231	2.85	-
AV	2.4338G	102.70	Inf	-Inf	32.08	3	Horizontal	231	2.85	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

24/11/2018



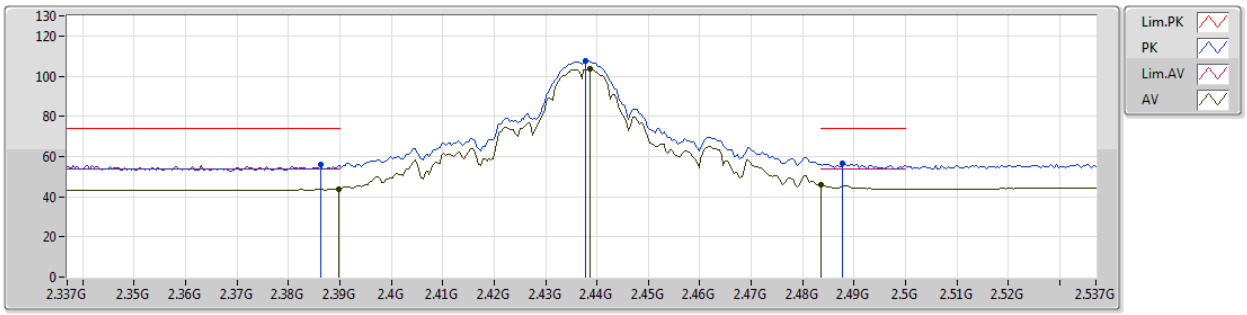
EUT Y_1TX
Setting 89
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	59.43	74.00	-14.57	31.95	3	Vertical	313	1.03	-
AV	2.3898G	48.41	54.00	-5.59	31.95	3	Vertical	313	1.03	-
PK	2.4378G	111.52	Inf	-Inf	32.09	3	Vertical	313	1.03	-
AV	2.4386G	107.37	Inf	-Inf	32.09	3	Vertical	313	1.03	-
PK	2.4838G	61.90	74.00	-12.10	32.23	3	Vertical	313	1.03	-
AV	2.4836G	53.79	54.00	-0.21	32.23	3	Vertical	313	1.03	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

24/11/2018



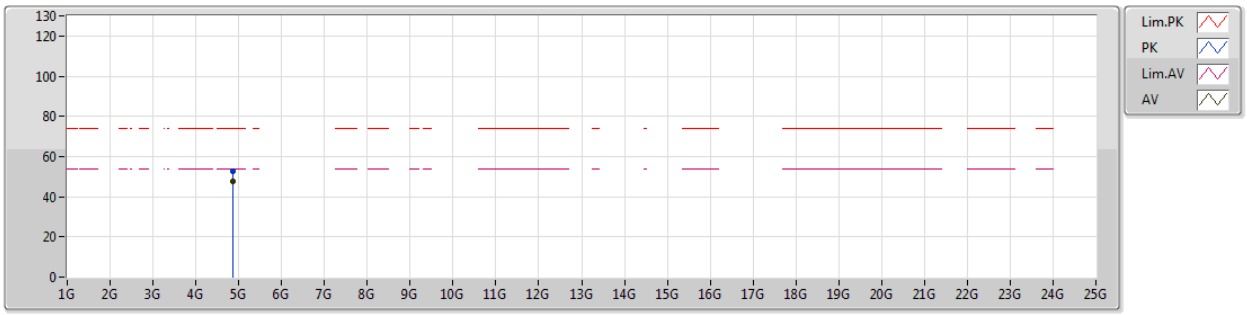
EUT Y_1TX
Setting 89
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3862G	55.80	74.00	-18.20	31.94	3	Horizontal	234	2.84	-
AV	2.3898G	43.86	54.00	-10.14	31.95	3	Horizontal	234	2.84	-
PK	2.4378G	107.56	Inf	-Inf	32.09	3	Horizontal	234	2.84	-
AV	2.4386G	103.48	Inf	-Inf	32.09	3	Horizontal	234	2.84	-
PK	2.4878G	56.44	74.00	-17.56	32.23	3	Horizontal	234	2.84	-
AV	2.4835G	45.80	54.00	-8.20	32.23	3	Horizontal	234	2.84	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

24/11/2018



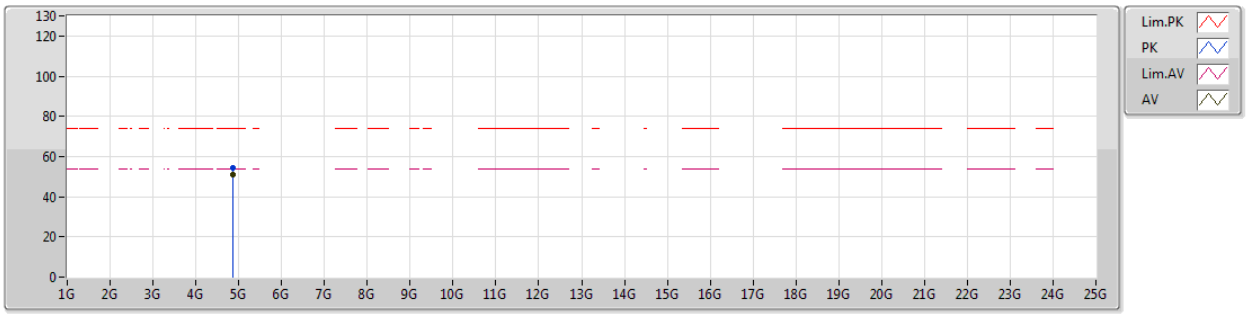
EUT Y_1TX
Setting 89
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87394G	52.48	74.00	-21.52	5.11	3	Vertical	80	2.14	-
AV	4.87394G	47.90	54.00	-6.10	5.11	3	Vertical	80	2.14	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

24/11/2018



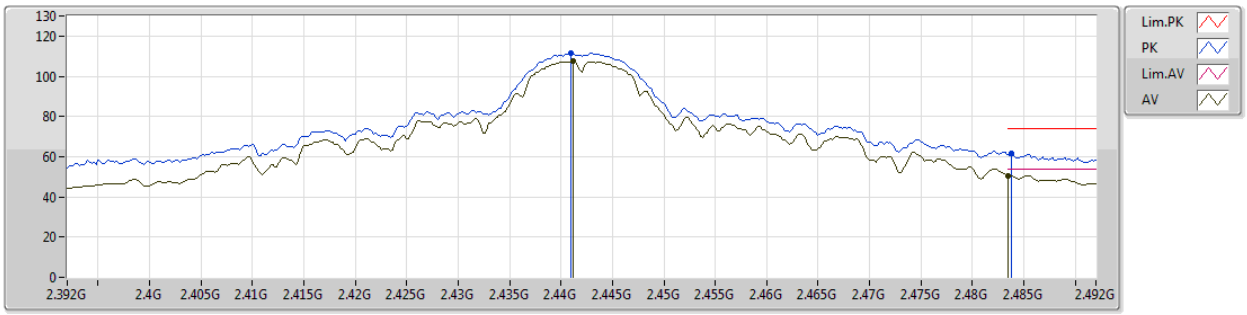
EUT Y_1TX
Setting 89
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87386G	54.48	74.00	-19.52	5.11	3	Horizontal	85	1.04	-
AV	4.87392G	50.93	54.00	-3.07	5.11	3	Horizontal	85	1.04	-

802.11b_Nss1,(1Mbps)_1TX

2442MHz_TX

24/11/2018



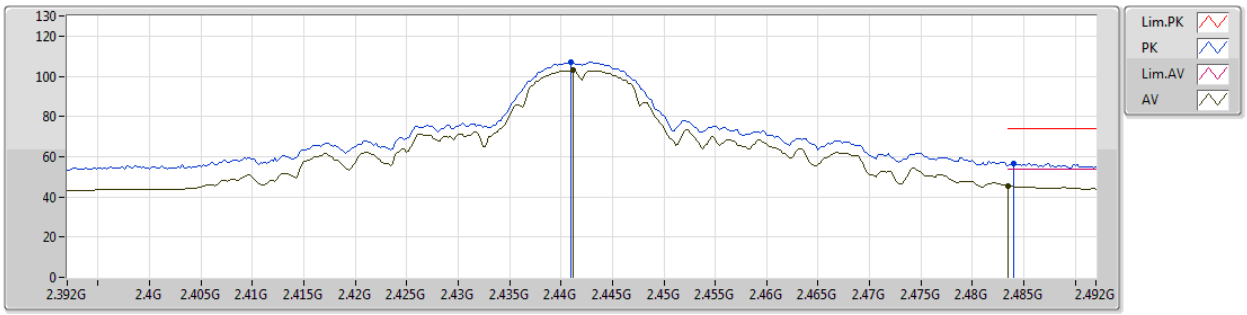
EUT Y_1TX
Setting 87
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.441G	111.34	Inf	-Inf	32.10	3	Vertical	13	1.00	-
AV	2.4412G	107.32	Inf	-Inf	32.10	3	Vertical	13	1.00	-
PK	2.4838G	61.73	74.00	-12.27	32.23	3	Vertical	13	1.00	-
AV	2.4835G	50.61	54.00	-3.39	32.23	3	Vertical	13	1.00	-

802.11b_Nss1,(1Mbps)_1TX

2442MHz_TX

24/11/2018



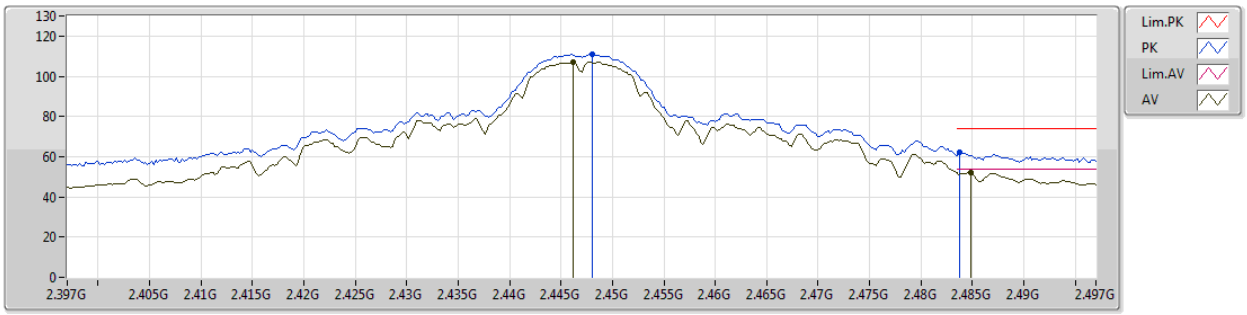
EUT Y_1TX
Setting 87
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.441G	107.01	Inf	-Inf	32.10	3	Horizontal	230	2.81	-
AV	2.4412G	102.94	Inf	-Inf	32.10	3	Horizontal	230	2.81	-
PK	2.484G	56.54	74.00	-17.46	32.23	3	Horizontal	230	2.81	-
AV	2.4835G	45.49	54.00	-8.51	32.23	3	Horizontal	230	2.81	-

802.11b_Nss1,(1Mbps)_1TX

2447MHz_TX

24/11/2018



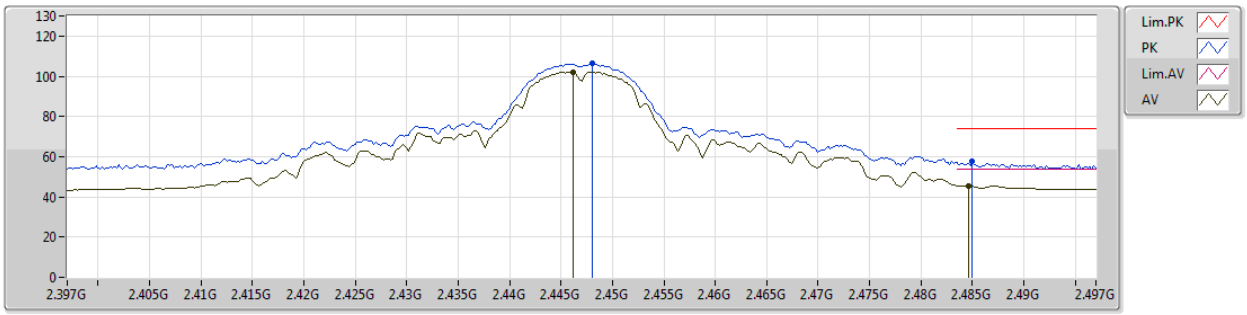
EUT Y_1TX
Setting 87
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.448G	110.93	Inf	-Inf	32.12	3	Vertical	18	1.00	-
AV	2.4462G	106.88	Inf	-Inf	32.12	3	Vertical	18	1.00	-
PK	2.4838G	62.04	74.00	-11.96	32.23	3	Vertical	18	1.00	-
AV	2.4848G	52.00	54.00	-2.00	32.23	3	Vertical	18	1.00	-

802.11b_Nss1,(1Mbps)_1TX

2447MHz_TX

24/11/2018



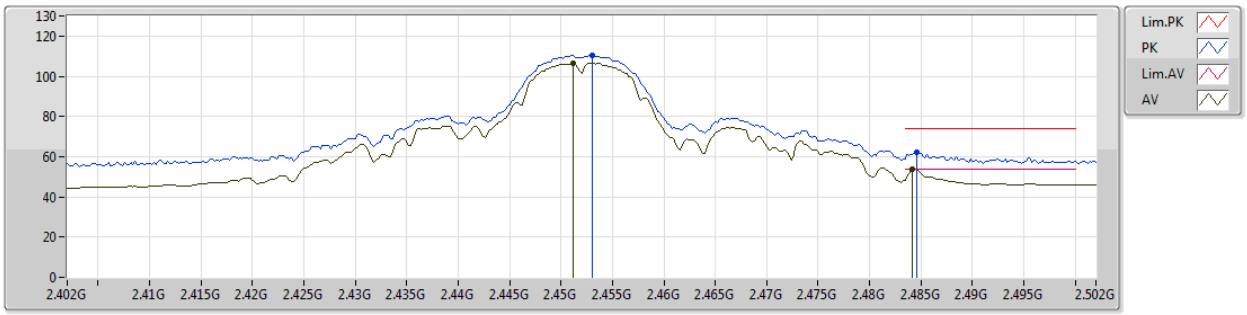
EUT Y_1TX
Setting 87
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.448G	106.20	Inf	-Inf	32.12	3	Horizontal	228	2.82	-
AV	2.4462G	102.10	Inf	-Inf	32.12	3	Horizontal	228	2.82	-
PK	2.485G	57.56	74.00	-16.44	32.23	3	Horizontal	228	2.82	-
AV	2.4846G	45.44	54.00	-8.56	32.23	3	Horizontal	228	2.82	-

802.11b_Nss1,(1Mbps)_1TX

2452MHz_TX

24/11/2018



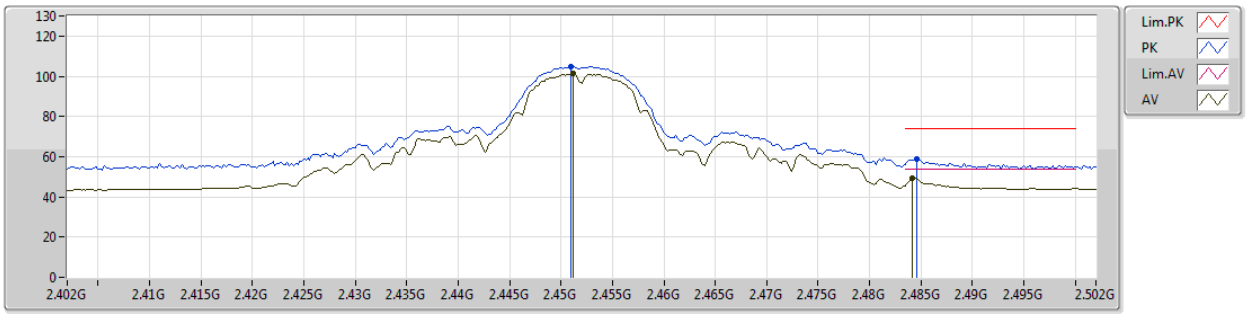
EUT Y_1TX
Setting 83
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.453G	110.49	Inf	-Inf	32.13	3	Vertical	44	1.00	-
AV	2.4512G	106.50	Inf	-Inf	32.13	3	Vertical	44	1.00	-
PK	2.4846G	62.38	74.00	-11.62	32.23	3	Vertical	44	1.00	-
AV	2.4842G	53.98	54.00	-0.02	32.23	3	Vertical	44	1.00	-

802.11b_Nss1,(1Mbps)_1TX

2452MHz_TX

24/11/2018



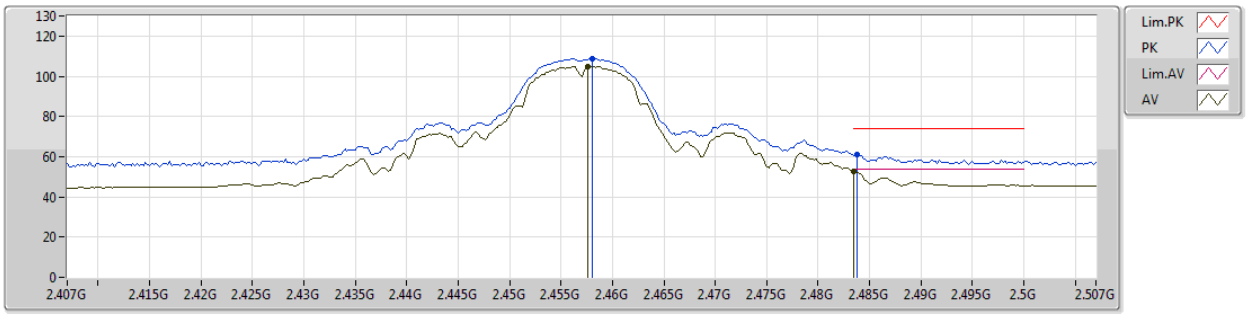
EUT Y_1TX
Setting 83
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.451G	105.06	Inf	-Inf	32.13	3	Horizontal	233	2.79	-
AV	2.4512G	101.16	Inf	-Inf	32.13	3	Horizontal	233	2.79	-
PK	2.4846G	59.08	74.00	-14.92	32.23	3	Horizontal	233	2.79	-
AV	2.4842G	49.51	54.00	-4.49	32.23	3	Horizontal	233	2.79	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

24/11/2018



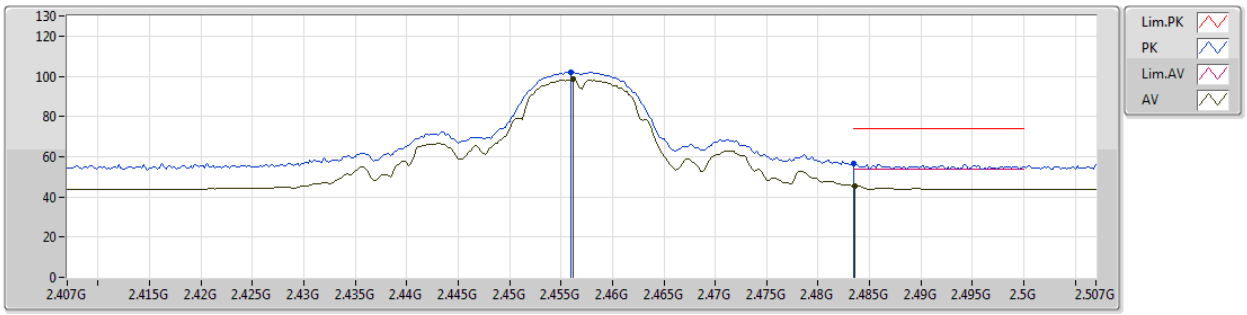
EUT Y_1TX
Setting 78
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.458G	108.92	Inf	-Inf	32.15	3	Vertical	45	1.01	-
AV	2.4576G	104.71	Inf	-Inf	32.15	3	Vertical	45	1.01	-
PK	2.4838G	60.88	74.00	-13.12	32.23	3	Vertical	45	1.01	-
AV	2.4835G	52.41	54.00	-1.59	32.23	3	Vertical	45	1.01	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

24/11/2018



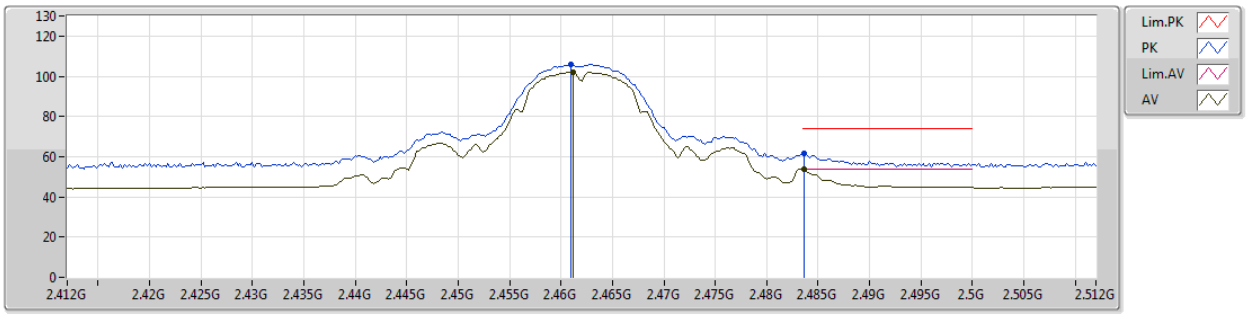
EUT Y_1TX
Setting 78
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.456G	102.26	Inf	-Inf	32.14	3	Horizontal	228	2.82	-
AV	2.4562G	98.39	Inf	-Inf	32.14	3	Horizontal	228	2.82	-
PK	2.4835G	56.50	74.00	-17.50	32.23	3	Horizontal	228	2.82	-
AV	2.4836G	45.34	54.00	-8.66	32.23	3	Horizontal	228	2.82	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

24/11/2018



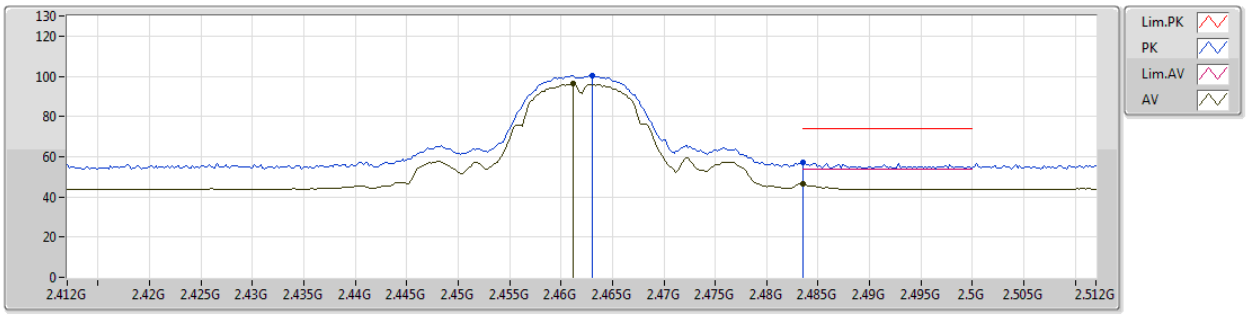
EUT Y_1TX
Setting 72
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	105.98	Inf	-Inf	32.16	3	Vertical	355	1.39	-
AV	2.4612G	102.05	Inf	-Inf	32.16	3	Vertical	355	1.39	-
PK	2.4836G	61.47	74.00	-12.53	32.23	3	Vertical	355	1.39	-
AV	2.4836G	53.78	54.00	-0.22	32.23	3	Vertical	355	1.39	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

24/11/2018



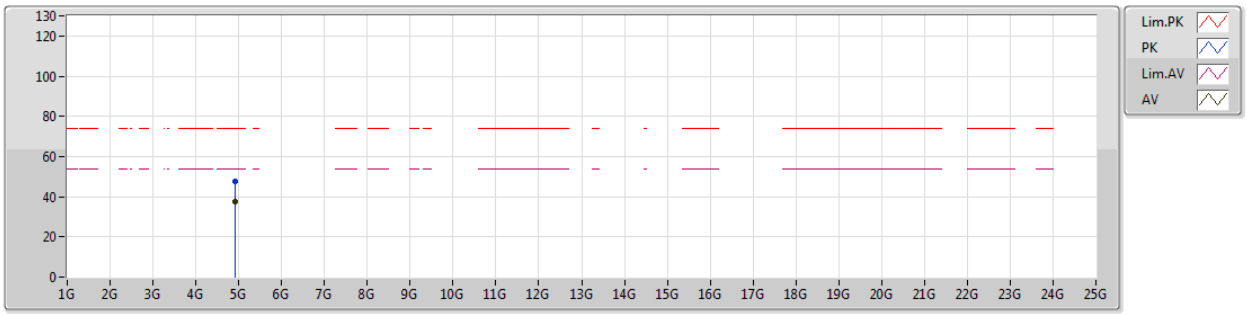
EUT Y_1TX
Setting 72
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	100.32	Inf	-Inf	32.16	3	Horizontal	229	1.61	-
AV	2.4612G	96.10	Inf	-Inf	32.16	3	Horizontal	229	1.61	-
PK	2.4835G	56.91	74.00	-17.09	32.23	3	Horizontal	229	1.61	-
AV	2.4835G	46.44	54.00	-7.56	32.23	3	Horizontal	229	1.61	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

24/11/2018



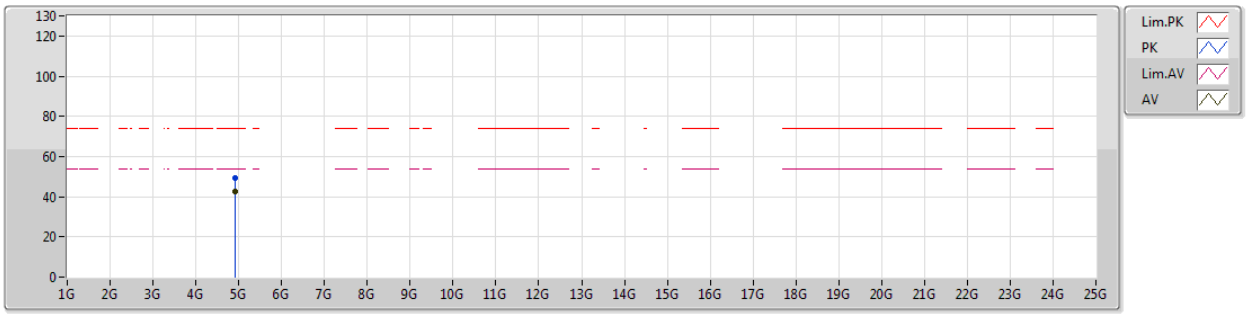
EUT Y_1TX
Setting 72
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92368G	47.72	74.00	-26.28	5.24	3	Vertical	245	2.37	-
AV	4.92392G	37.33	54.00	-16.67	5.24	3	Vertical	245	2.37	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

24/11/2018



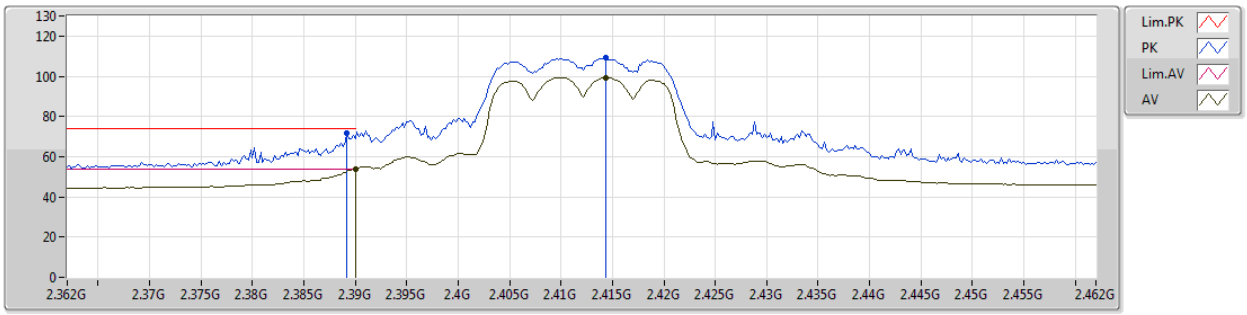
EUT Y_1TX
Setting 72
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92388G	49.37	74.00	-24.63	5.24	3	Horizontal	84	2.25	-
AV	4.92394G	42.45	54.00	-11.55	5.24	3	Horizontal	84	2.25	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

24/11/2018



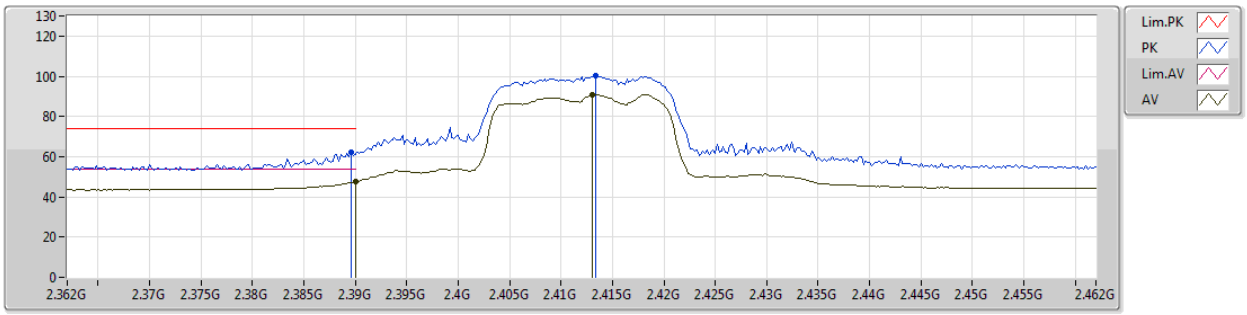
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	71.61	74.00	-2.39	31.95	3	Vertical	286	1.00	-
AV	2.39G	53.80	54.00	-0.20	31.95	3	Vertical	286	1.00	-
PK	2.4144G	109.03	Inf	-Inf	32.02	3	Vertical	286	1.00	-
AV	2.4144G	99.33	Inf	-Inf	32.02	3	Vertical	286	1.00	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

24/11/2018



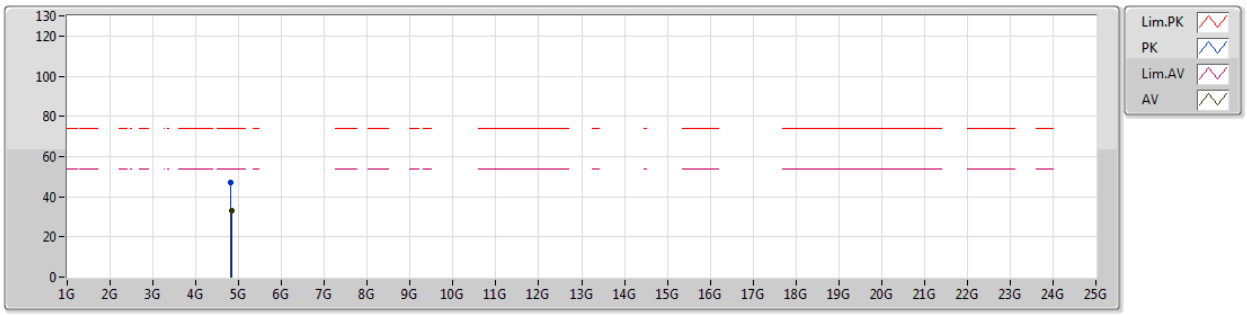
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	62.23	74.00	-11.77	31.95	3	Horizontal	234	1.69	-
AV	2.39G	47.66	54.00	-6.34	31.95	3	Horizontal	234	1.69	-
PK	2.4134G	100.16	Inf	-Inf	32.02	3	Horizontal	234	1.69	-
AV	2.413G	90.87	Inf	-Inf	32.02	3	Horizontal	234	1.69	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

24/11/2018



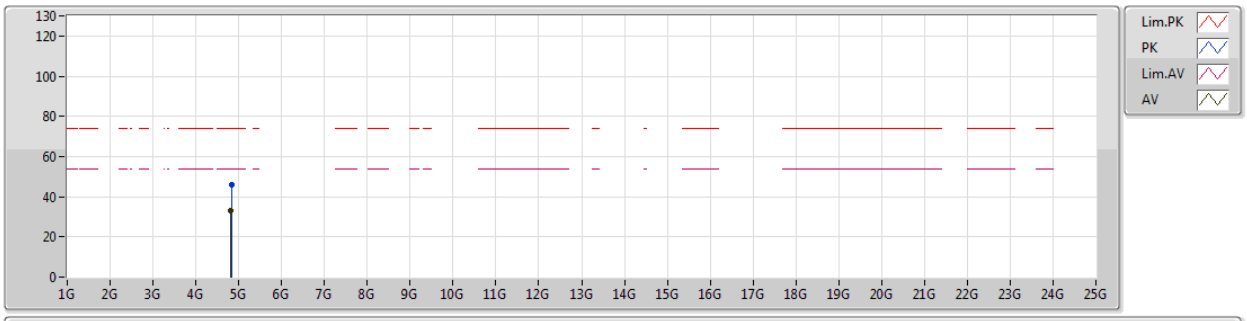
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82292G	46.80	74.00	-27.20	4.97	3	Vertical	360	1.57	-
AV	4.82686G	33.09	54.00	-20.91	4.98	3	Vertical	360	1.57	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

24/11/2018



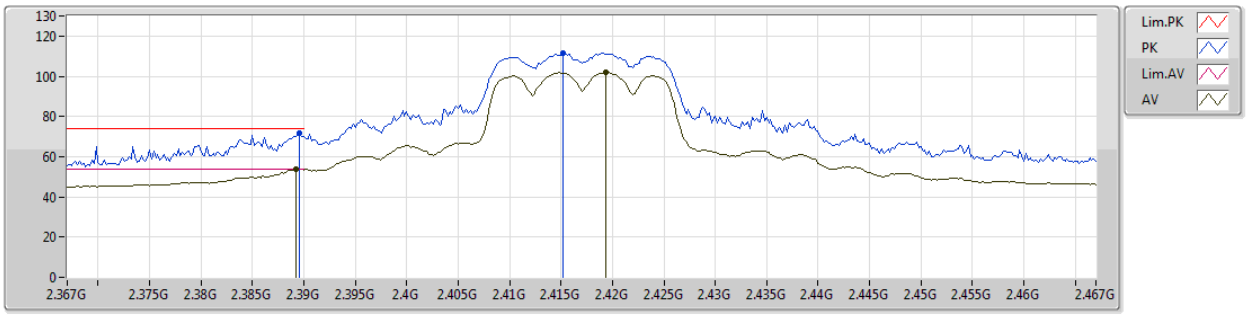
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82652G	45.95	74.00	-28.05	4.98	3	Horizontal	118	1.50	-
AV	4.8196G	32.96	54.00	-21.04	4.96	3	Horizontal	118	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

24/11/2018



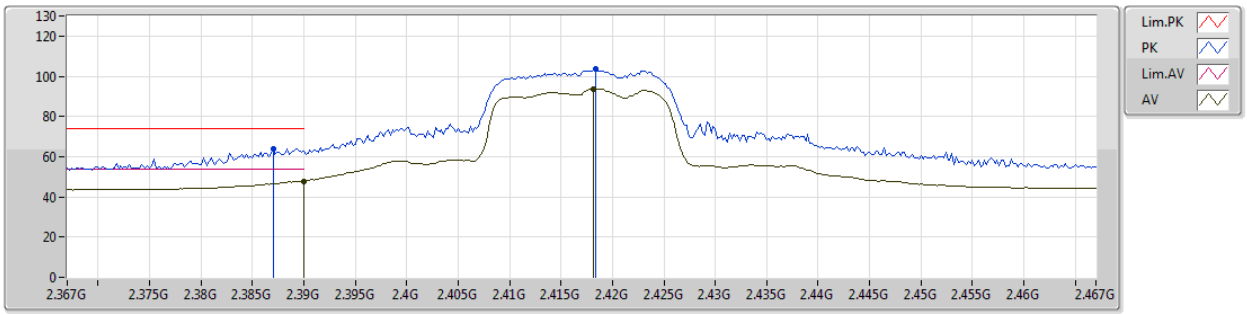
EUT Y_2TX
Setting 62
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	71.79	74.00	-2.21	31.95	3	Vertical	287	1.00	-
AV	2.3892G	53.90	54.00	-0.10	31.95	3	Vertical	287	1.00	-
PK	2.4152G	111.44	Inf	-Inf	32.02	3	Vertical	287	1.00	-
AV	2.4194G	102.12	Inf	-Inf	32.04	3	Vertical	287	1.00	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

24/11/2018



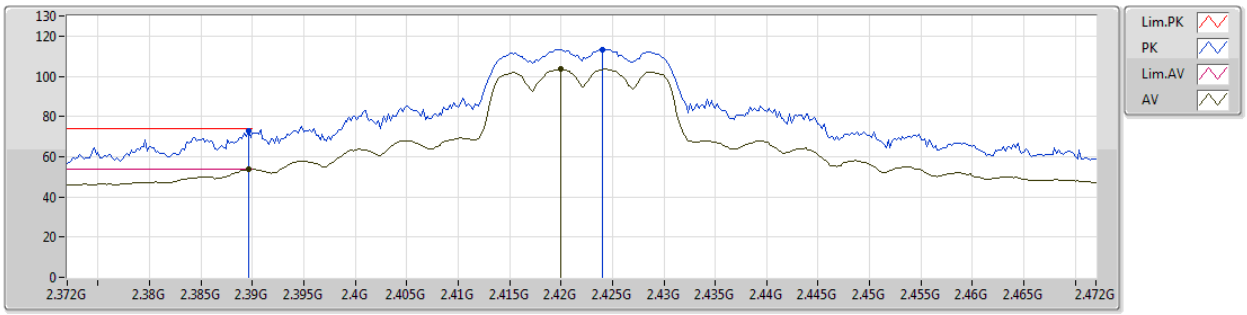
EUT Y_2TX
Setting 62
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	64.04	74.00	-9.96	31.94	3	Horizontal	233	1.68	-
AV	2.39G	47.81	54.00	-6.19	31.95	3	Horizontal	233	1.68	-
PK	2.4184G	103.51	Inf	-Inf	32.03	3	Horizontal	233	1.68	-
AV	2.4182G	93.84	Inf	-Inf	32.03	3	Horizontal	233	1.68	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

24/11/2018



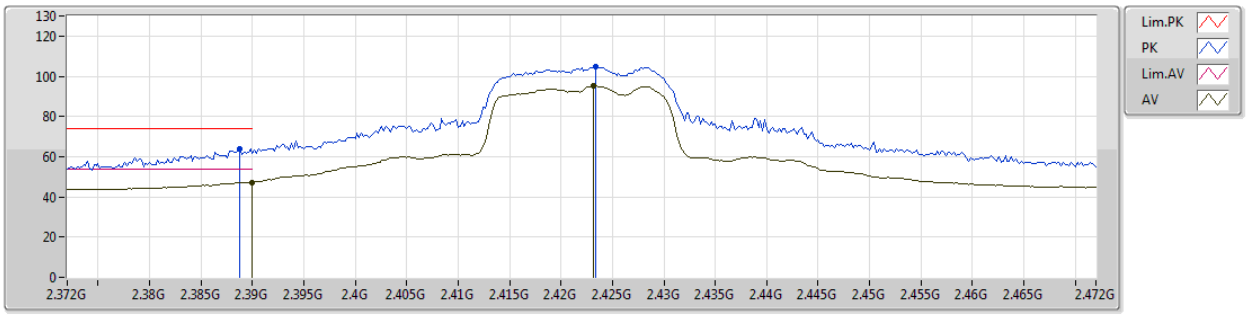
EUT Y_2TX
Setting 68
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	73.00	74.00	-1.00	31.95	3	Vertical	286	1.02	-
AV	2.3896G	53.83	54.00	-0.17	31.95	3	Vertical	286	1.02	-
PK	2.424G	113.22	Inf	-Inf	32.05	3	Vertical	286	1.02	-
AV	2.42G	103.54	Inf	-Inf	32.04	3	Vertical	286	1.02	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

24/11/2018



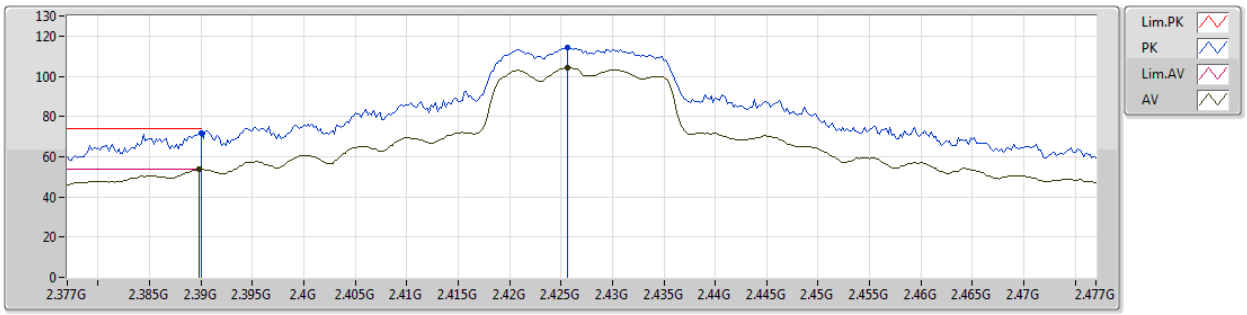
EUT Y_2TX
Setting 68
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	63.62	74.00	-10.38	31.95	3	Horizontal	233	1.66	-
AV	2.39G	47.30	54.00	-6.70	31.95	3	Horizontal	233	1.66	-
PK	2.4234G	104.61	Inf	-Inf	32.05	3	Horizontal	233	1.66	-
AV	2.4232G	95.30	Inf	-Inf	32.05	3	Horizontal	233	1.66	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

24/11/2018



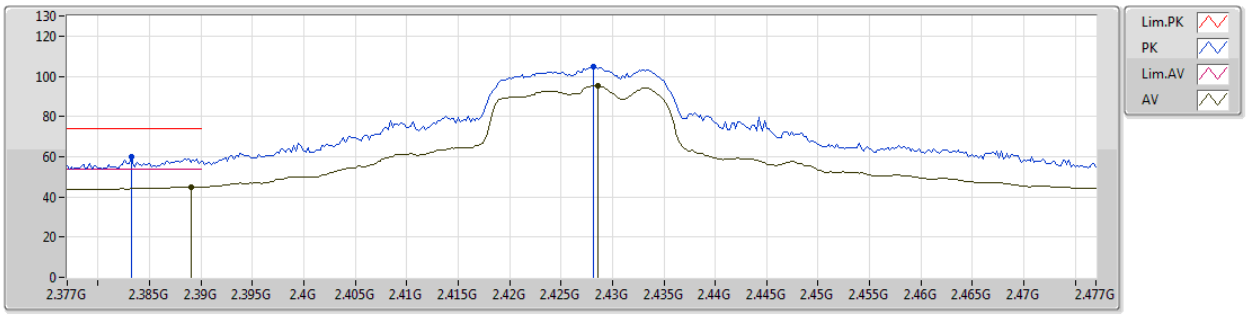
EUT Y_2TX
Setting 73
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	71.74	74.00	-2.26	31.95	3	Vertical	309	1.50	-
AV	2.3898G	53.81	54.00	-0.19	31.95	3	Vertical	309	1.50	-
PK	2.4256G	114.33	Inf	-Inf	32.05	3	Vertical	309	1.50	-
AV	2.4256G	104.44	Inf	-Inf	32.05	3	Vertical	309	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

24/11/2018



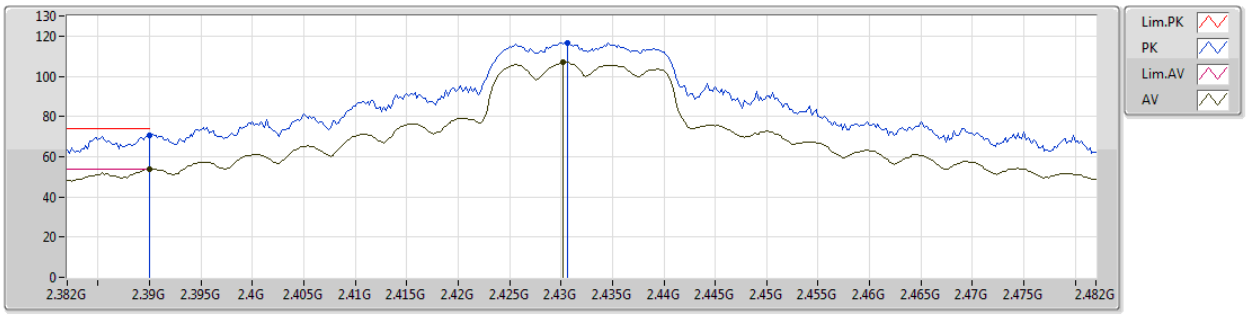
EUT Y_2TX
Setting 73
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3832G	59.74	74.00	-14.26	31.93	3	Horizontal	156	2.26	-
AV	2.389G	44.99	54.00	-9.01	31.95	3	Horizontal	156	2.26	-
PK	2.4282G	104.81	Inf	-Inf	32.06	3	Horizontal	156	2.26	-
AV	2.4286G	95.40	Inf	-Inf	32.06	3	Horizontal	156	2.26	-

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

24/11/2018



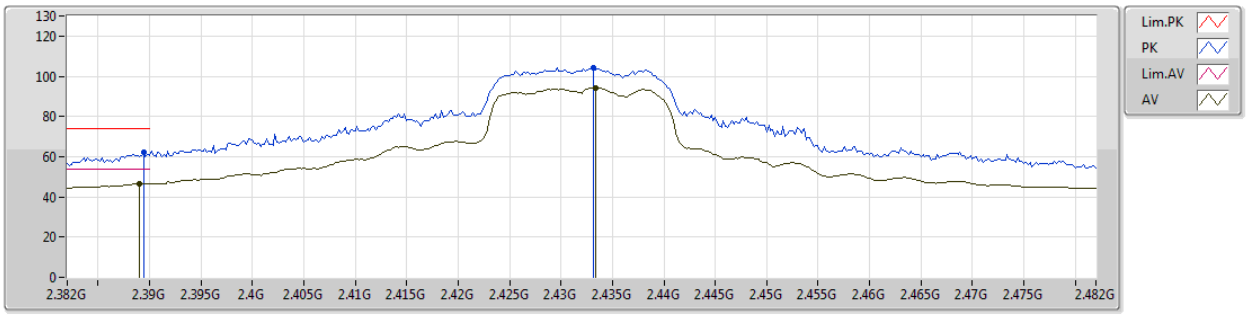
EUT Y_2TX
Setting 76
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	70.76	74.00	-3.24	31.95	3	Vertical	313	1.23	-
AV	2.39G	53.83	54.00	-0.17	31.95	3	Vertical	313	1.23	-
PK	2.4306G	116.62	Inf	-Inf	32.06	3	Vertical	313	1.23	-
AV	2.4302G	106.87	Inf	-Inf	32.06	3	Vertical	313	1.23	-

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

24/11/2018



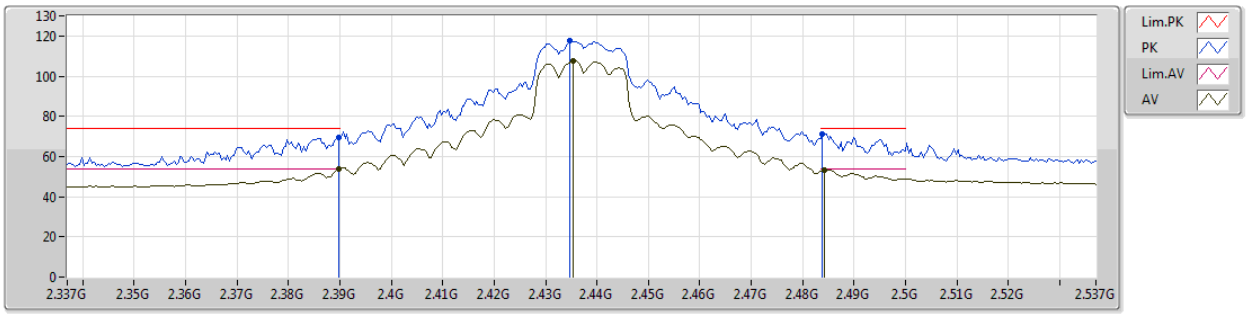
EUT Y_2TX
Setting 76
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	62.14	74.00	-11.86	31.95	3	Horizontal	137	1.91	-
AV	2.389G	46.51	54.00	-7.49	31.95	3	Horizontal	137	1.91	-
PK	2.4332G	104.36	Inf	-Inf	32.08	3	Horizontal	137	1.91	-
AV	2.4334G	94.38	Inf	-Inf	32.08	3	Horizontal	137	1.91	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

24/11/2018



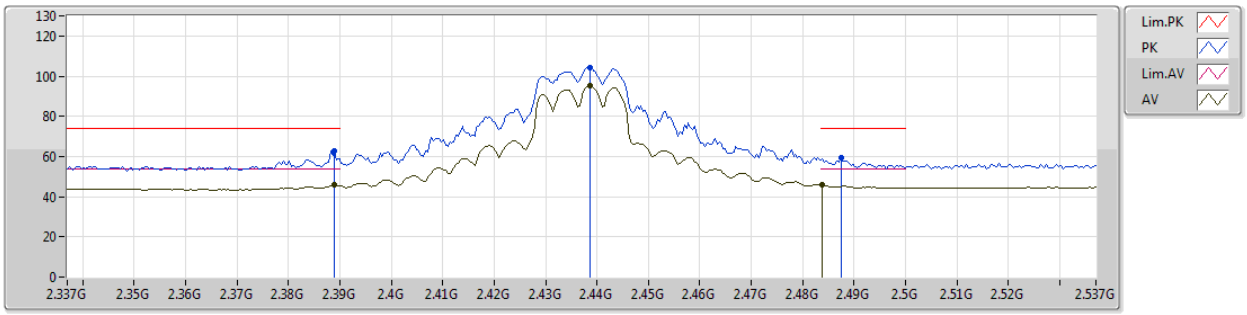
EUT Y_2TX
Setting 79
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	69.71	74.00	-4.29	31.95	3	Vertical	318	1.01	-
AV	2.3898G	53.79	54.00	-0.21	31.95	3	Vertical	318	1.01	-
PK	2.4346G	117.45	Inf	-Inf	32.08	3	Vertical	318	1.01	-
AV	2.4354G	107.50	Inf	-Inf	32.08	3	Vertical	318	1.01	-
PK	2.4838G	71.43	74.00	-2.57	32.23	3	Vertical	318	1.01	-
AV	2.4842G	53.48	54.00	-0.52	32.23	3	Vertical	318	1.01	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

24/11/2018



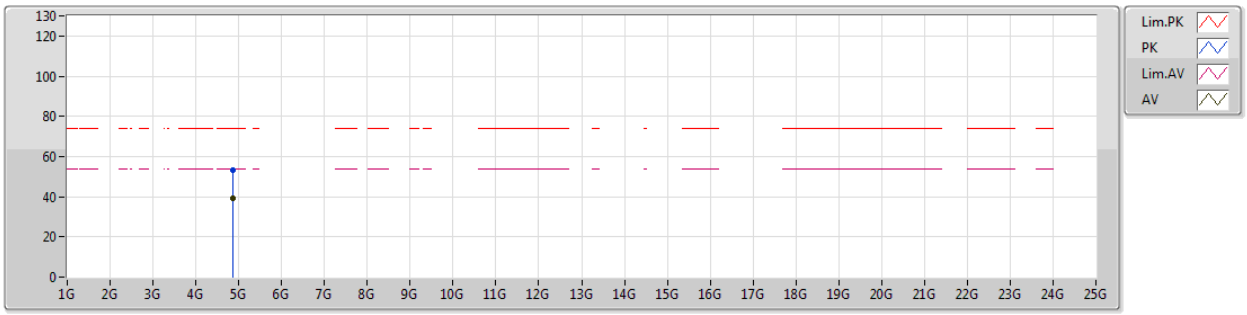
EUT Y_2TX
Setting 79
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	62.76	74.00	-11.24	31.95	3	Horizontal	213	1.48	-
AV	2.389G	45.67	54.00	-8.33	31.95	3	Horizontal	213	1.48	-
PK	2.4386G	104.38	Inf	-Inf	32.09	3	Horizontal	213	1.48	-
AV	2.4386G	95.37	Inf	-Inf	32.09	3	Horizontal	213	1.48	-
PK	2.4874G	59.14	74.00	-14.86	32.23	3	Horizontal	213	1.48	-
AV	2.4838G	45.79	54.00	-8.21	32.23	3	Horizontal	213	1.48	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

24/11/2018



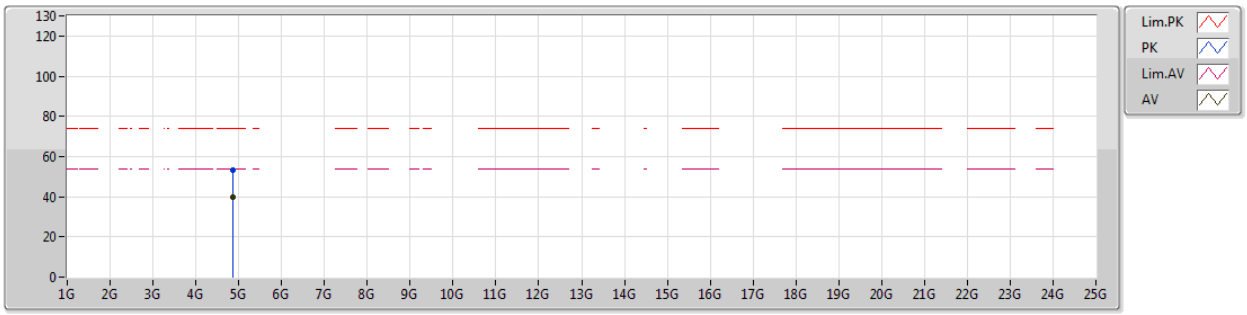
EUT Y_2TX
Setting 79
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87322G	53.07	74.00	-20.93	5.10	3	Vertical	270	2.43	-
AV	4.87292G	39.02	54.00	-14.98	5.10	3	Vertical	270	2.43	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

24/11/2018



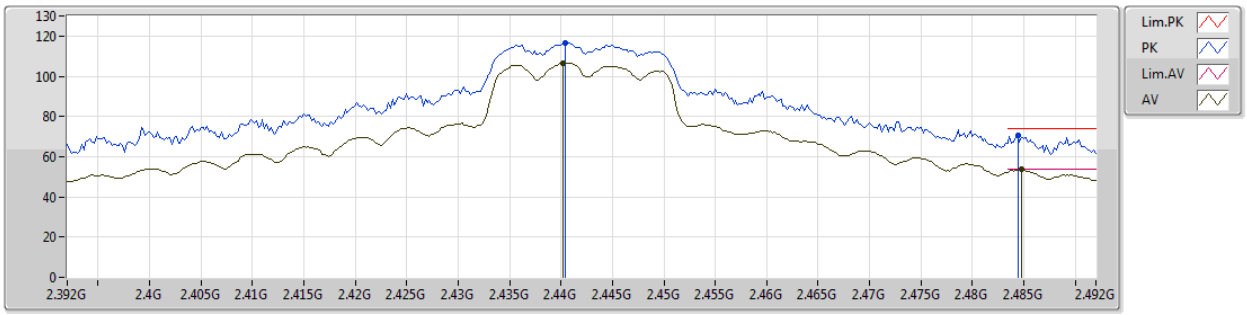
EUT Y_2TX
Setting 79
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87352G	53.05	74.00	-20.95	5.10	3	Horizontal	265	2.46	-
AV	4.87316G	39.54	54.00	-14.46	5.10	3	Horizontal	265	2.46	-

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

24/11/2018



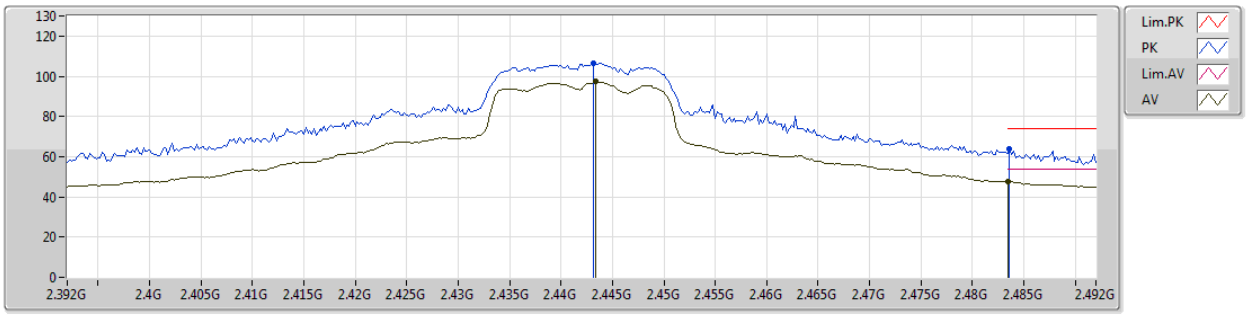
EUT Y_2TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4404G	116.80	Inf	-Inf	32.09	3	Vertical	314	1.01	-
AV	2.4402G	106.68	Inf	-Inf	32.09	3	Vertical	314	1.01	-
PK	2.4844G	70.70	74.00	-3.30	32.23	3	Vertical	314	1.01	-
AV	2.4848G	53.80	54.00	-0.20	32.23	3	Vertical	314	1.01	-

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

24/11/2018



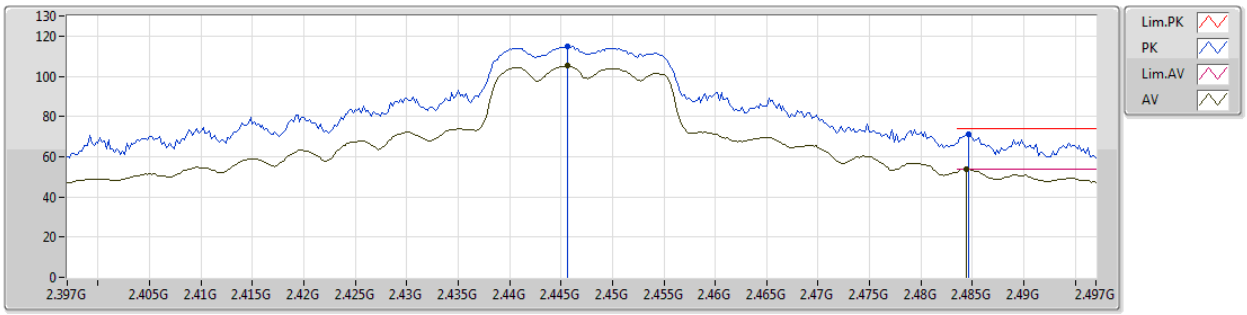
EUT Y_2TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4432G	106.67	Inf	-Inf	32.10	3	Horizontal	233	1.66	-
AV	2.4434G	97.23	Inf	-Inf	32.10	3	Horizontal	233	1.66	-
PK	2.4836G	63.72	74.00	-10.28	32.23	3	Horizontal	233	1.66	-
AV	2.4835G	47.73	54.00	-6.27	32.23	3	Horizontal	233	1.66	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

24/11/2018



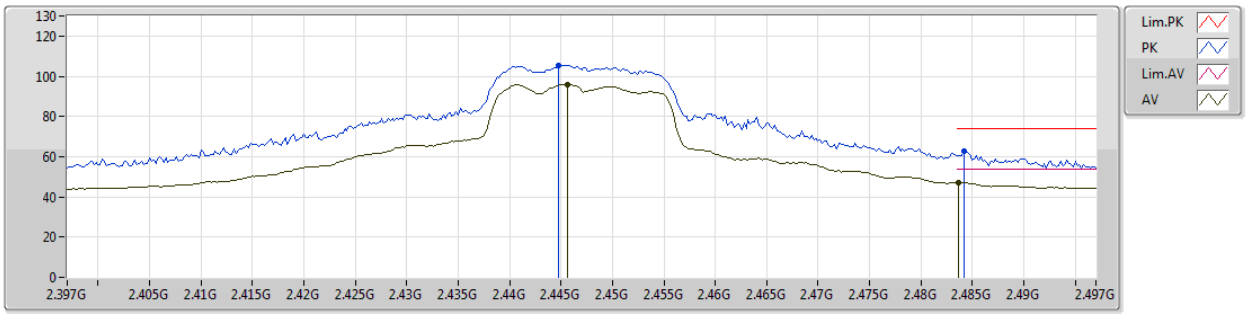
EUT Y_2TX
Setting 72
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4456G	114.79	Inf	-Inf	32.12	3	Vertical	308	1.01	-
AV	2.4456G	105.08	Inf	-Inf	32.12	3	Vertical	308	1.01	-
PK	2.4846G	71.03	74.00	-2.97	32.23	3	Vertical	308	1.01	-
AV	2.4844G	53.92	54.00	-0.08	32.23	3	Vertical	308	1.01	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

24/11/2018



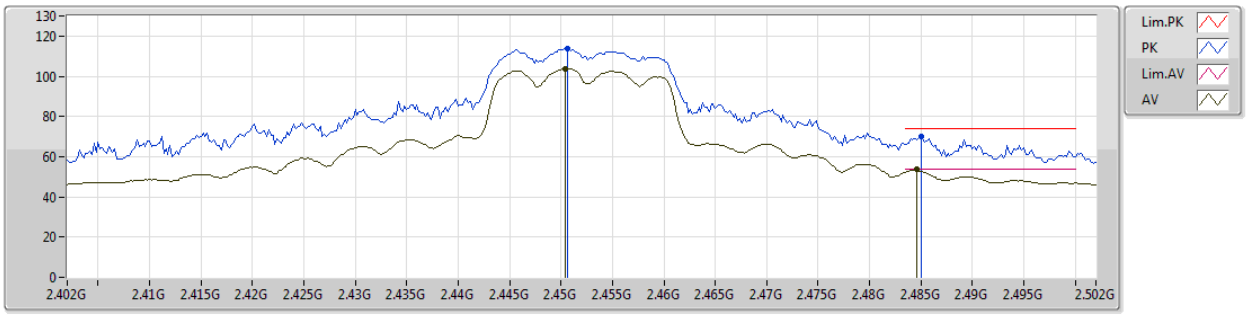
EUT Y_2TX
Setting 72
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4448G	105.36	Inf	-Inf	32.11	3	Horizontal	230	2.83	-
AV	2.4456G	95.82	Inf	-Inf	32.12	3	Horizontal	230	2.83	-
PK	2.4842G	62.82	74.00	-11.18	32.23	3	Horizontal	230	2.83	-
AV	2.4836G	47.18	54.00	-6.82	32.23	3	Horizontal	230	2.83	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

24/11/2018



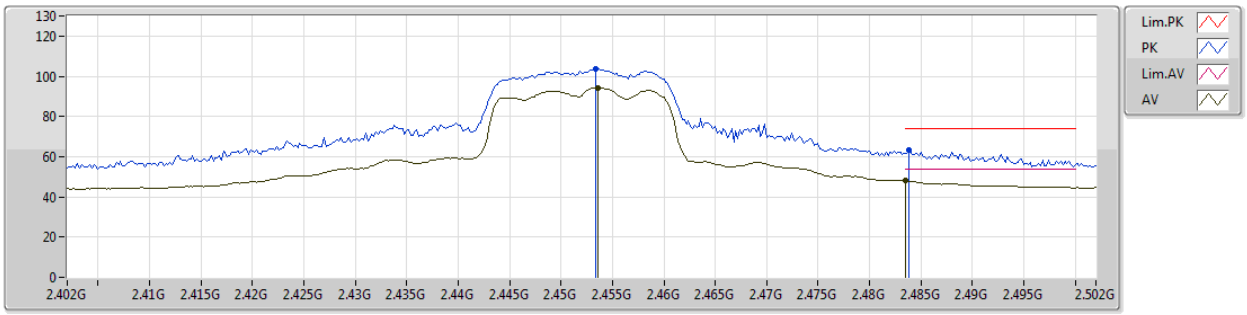
EUT Y_2TX
Setting 68
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4506G	113.72	Inf	-Inf	32.13	3	Vertical	319	1.00	-
AV	2.4504G	103.86	Inf	-Inf	32.13	3	Vertical	319	1.00	-
PK	2.485G	69.94	74.00	-4.06	32.23	3	Vertical	319	1.00	-
AV	2.4846G	53.79	54.00	-0.21	32.23	3	Vertical	319	1.00	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

24/11/2018



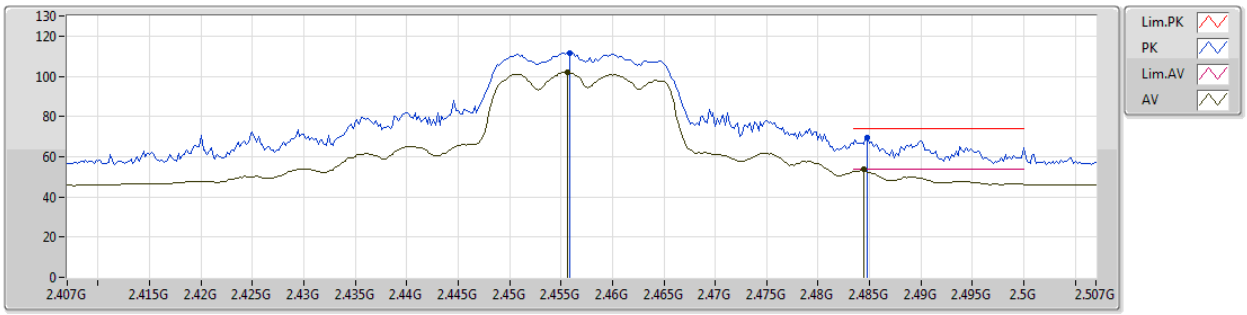
EUT Y_2TX
Setting 68
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4534G	103.92	Inf	-Inf	32.13	3	Horizontal	234	1.58	-
AV	2.4536G	94.34	Inf	-Inf	32.13	3	Horizontal	234	1.58	-
PK	2.4838G	63.35	74.00	-10.65	32.23	3	Horizontal	234	1.58	-
AV	2.4835G	47.95	54.00	-6.05	32.23	3	Horizontal	234	1.58	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

24/11/2018



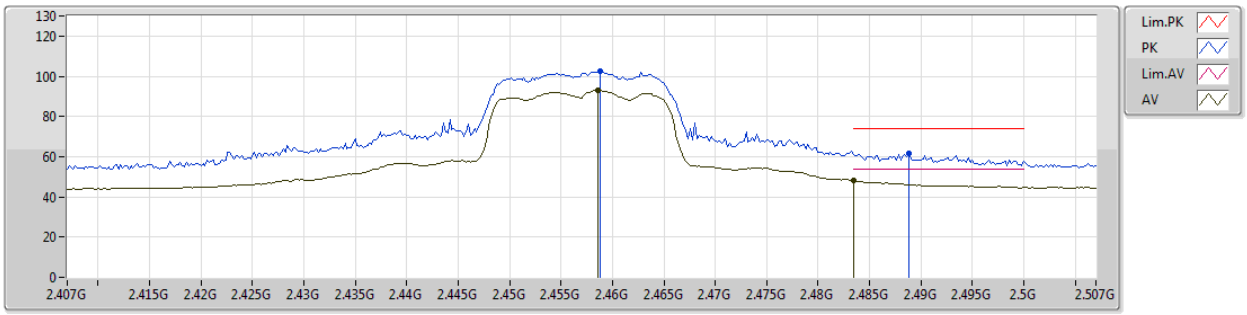
EUT Y_2TX
Setting 60
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4558G	111.64	Inf	-Inf	32.14	3	Vertical	308	1.02	-
AV	2.4556G	101.90	Inf	-Inf	32.14	3	Vertical	308	1.02	-
PK	2.4848G	69.46	74.00	-4.54	32.23	3	Vertical	308	1.02	-
AV	2.4844G	53.84	54.00	-0.16	32.23	3	Vertical	308	1.02	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

24/11/2018



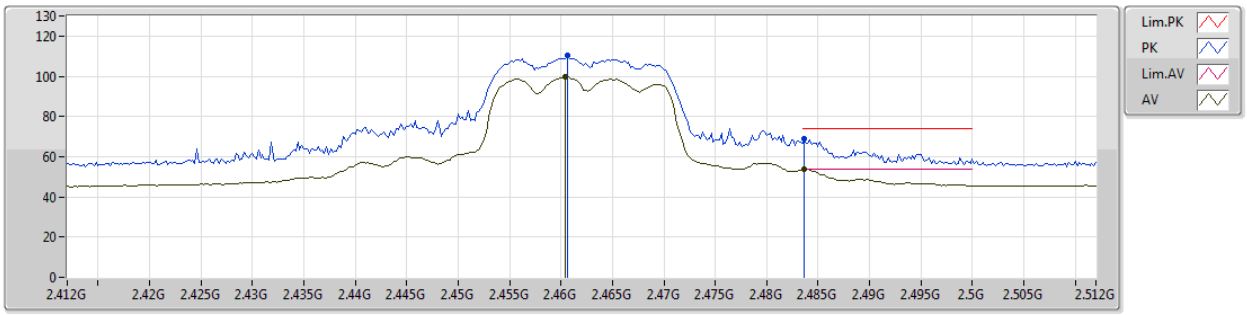
EUT Y_2TX
Setting 60
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4588G	102.28	Inf	-Inf	32.15	3	Horizontal	234	1.60	-
AV	2.4586G	93.15	Inf	-Inf	32.15	3	Horizontal	234	1.60	-
PK	2.4888G	61.45	74.00	-12.55	32.24	3	Horizontal	234	1.60	-
AV	2.4835G	48.27	54.00	-5.73	32.23	3	Horizontal	234	1.60	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

24/11/2018



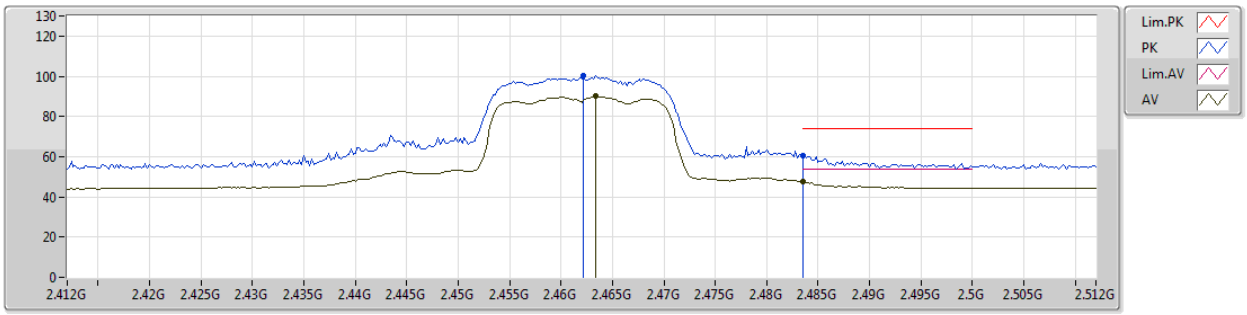
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4606G	110.19	Inf	-Inf	32.16	3	Vertical	305	1.02	-
AV	2.4604G	99.56	Inf	-Inf	32.16	3	Vertical	305	1.02	-
PK	2.4836G	68.80	74.00	-5.20	32.23	3	Vertical	305	1.02	-
AV	2.4836G	53.93	54.00	-0.07	32.23	3	Vertical	305	1.02	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

24/11/2018



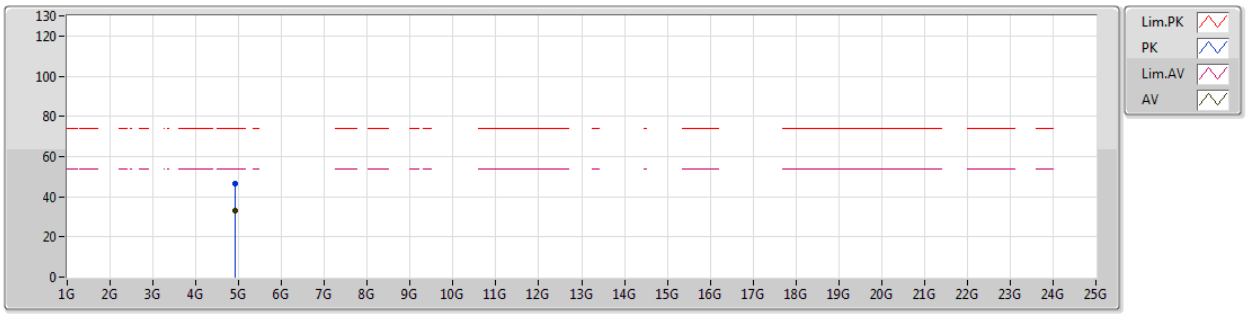
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4622G	100.18	Inf	-Inf	32.16	3	Horizontal	232	1.62	-
AV	2.4634G	90.03	Inf	-Inf	32.16	3	Horizontal	232	1.62	-
PK	2.4835G	60.69	74.00	-13.31	32.23	3	Horizontal	232	1.62	-
AV	2.4835G	47.54	54.00	-6.46	32.23	3	Horizontal	232	1.62	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

24/11/2018



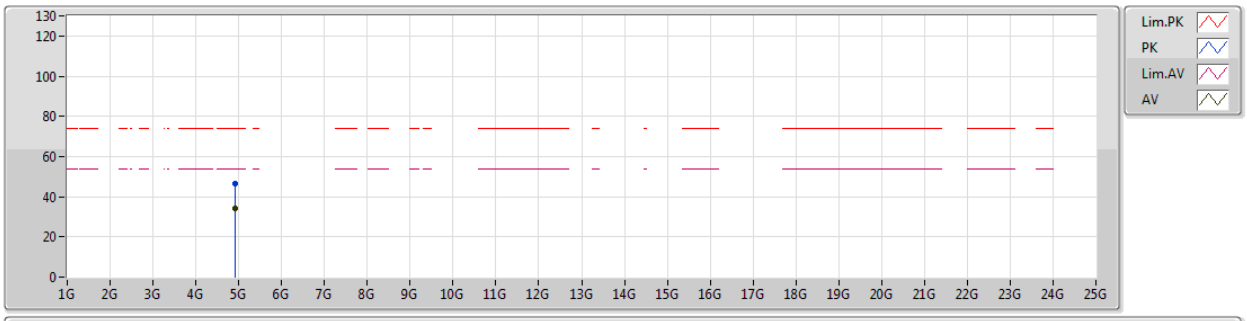
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92536G	46.36	74.00	-27.64	5.24	3	Vertical	280	1.50	-
AV	4.929G	33.31	54.00	-20.69	5.25	3	Vertical	280	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

24/11/2018



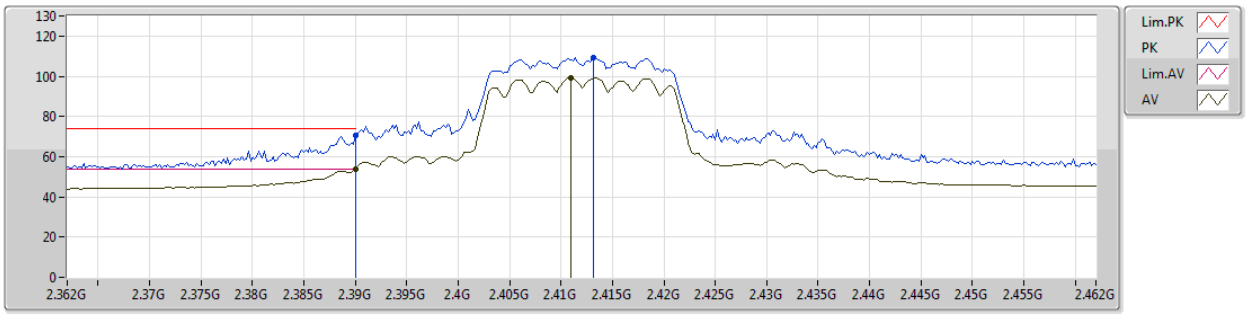
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92384G	46.55	74.00	-27.45	5.24	3	Horizontal	259	2.37	-
AV	4.9238G	33.93	54.00	-20.07	5.24	3	Horizontal	259	2.37	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

24/11/2018



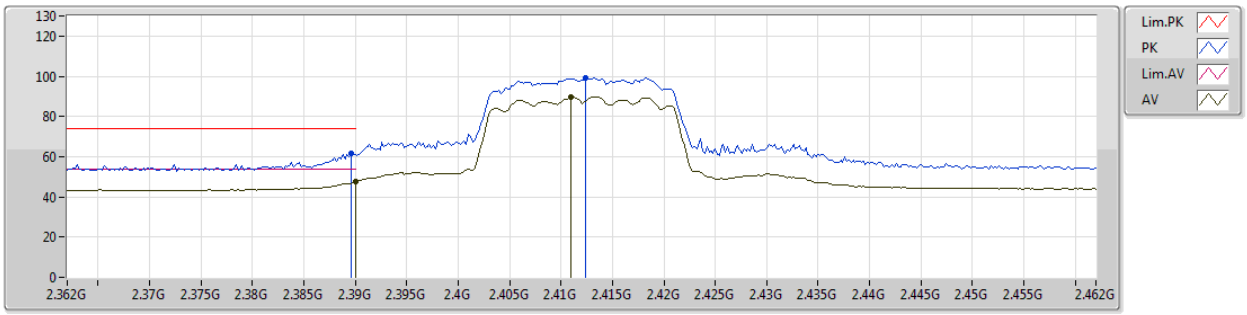
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	70.36	74.00	-3.64	31.95	3	Vertical	261	1.01	-
AV	2.39G	53.81	54.00	-0.19	31.95	3	Vertical	261	1.01	-
PK	2.4132G	109.15	Inf	-Inf	32.02	3	Vertical	261	1.01	-
AV	2.411G	99.39	Inf	-Inf	32.01	3	Vertical	261	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

24/11/2018



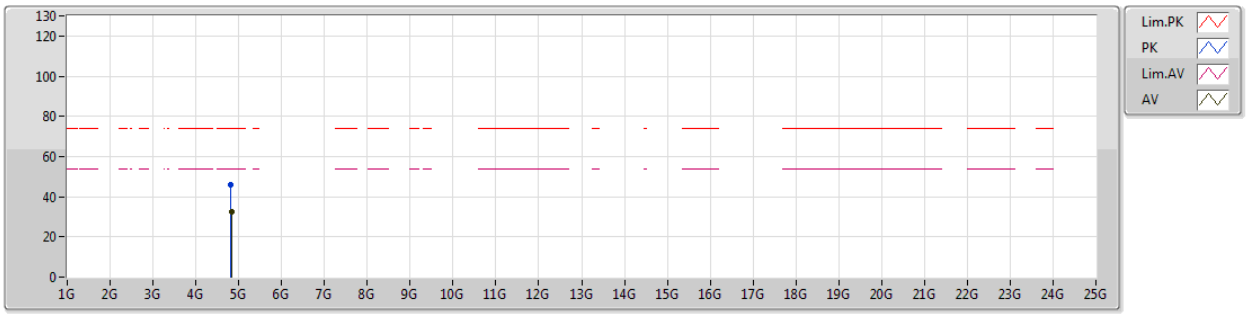
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	61.39	74.00	-12.61	31.95	3	Horizontal	229	2.90	-
AV	2.39G	47.41	54.00	-6.59	31.95	3	Horizontal	229	2.90	-
PK	2.4124G	99.03	Inf	-Inf	32.02	3	Horizontal	229	2.90	-
AV	2.411G	89.92	Inf	-Inf	32.01	3	Horizontal	229	2.90	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

24/11/2018



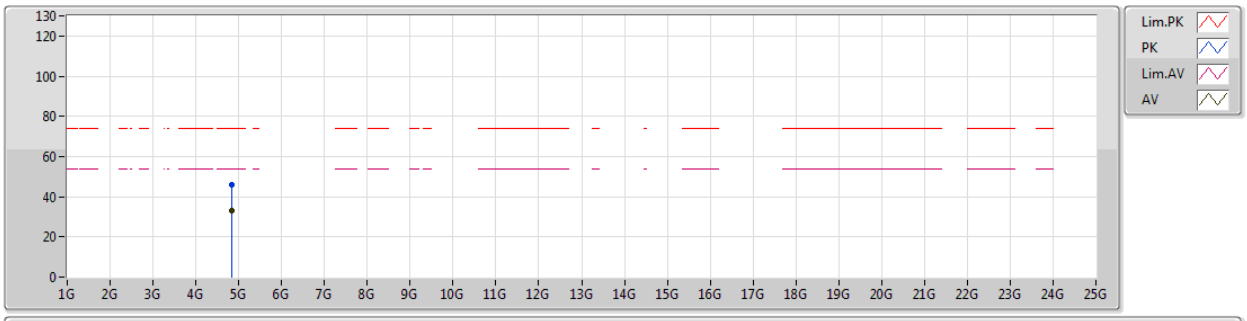
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82042G	45.92	74.00	-28.08	4.96	3	Vertical	347	2.02	-
AV	4.82758G	32.77	54.00	-21.23	4.98	3	Vertical	347	2.02	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

24/11/2018



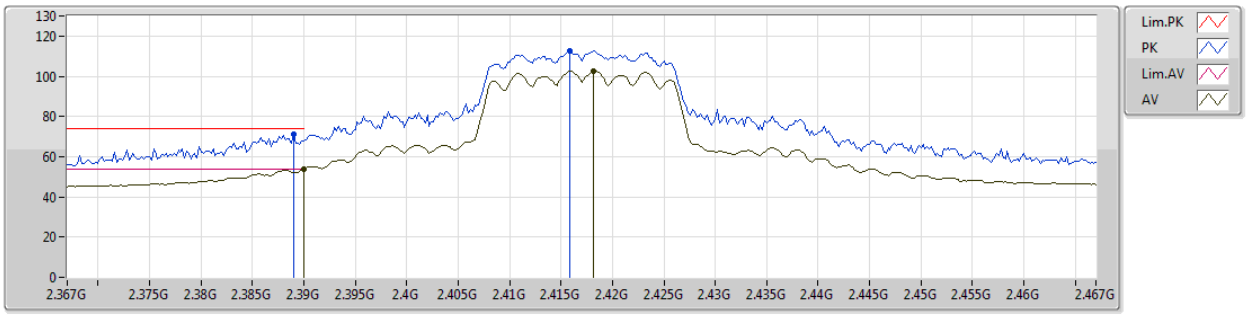
EUT Y_2TX
Setting 50
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82876G	45.83	74.00	-28.17	4.98	3	Horizontal	288	1.64	-
AV	4.82642G	32.88	54.00	-21.12	4.98	3	Horizontal	288	1.64	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

24/11/2018



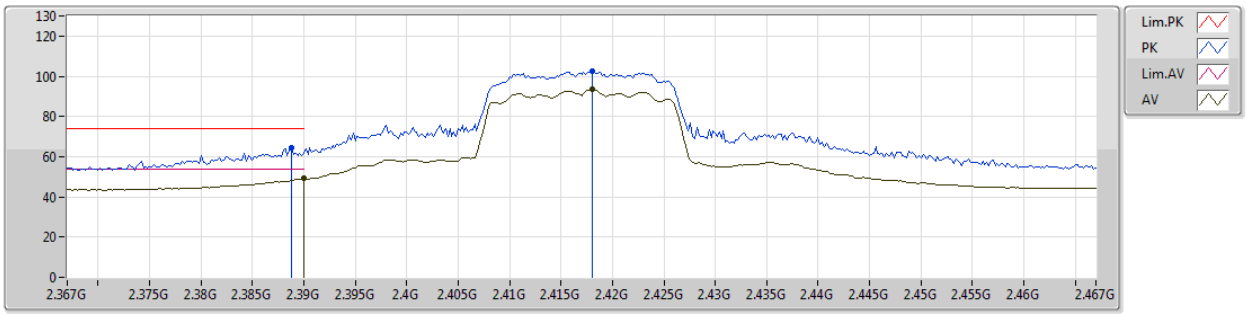
EUT Y_2TX
Setting 62
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	71.36	74.00	-2.64	31.95	3	Vertical	269	1.06	-
AV	2.39G	53.94	54.00	-0.06	31.95	3	Vertical	269	1.06	-
PK	2.4158G	112.63	Inf	-Inf	32.02	3	Vertical	269	1.06	-
AV	2.4182G	102.48	Inf	-Inf	32.03	3	Vertical	269	1.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

24/11/2018



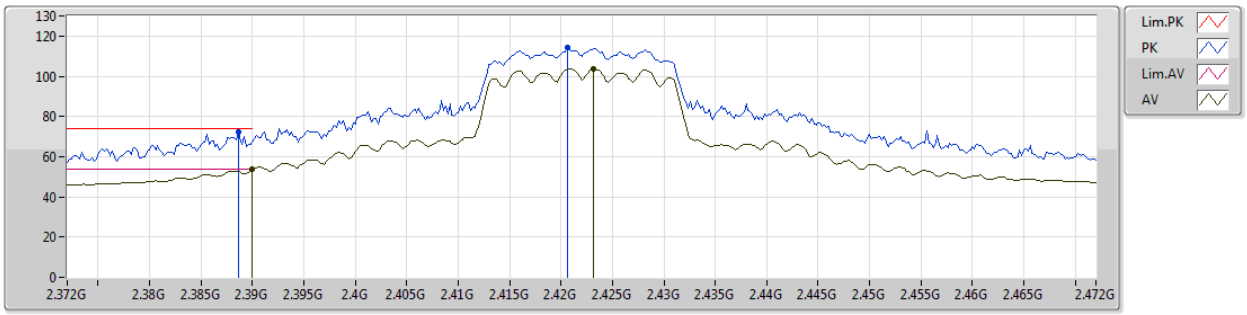
EUT Y_2TX
Setting 62
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	64.43	74.00	-9.57	31.95	3	Horizontal	232	1.67	-
AV	2.39G	49.08	54.00	-4.92	31.95	3	Horizontal	232	1.67	-
PK	2.418G	102.52	Inf	-Inf	32.03	3	Horizontal	232	1.67	-
AV	2.418G	93.34	Inf	-Inf	32.03	3	Horizontal	232	1.67	-

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

24/11/2018



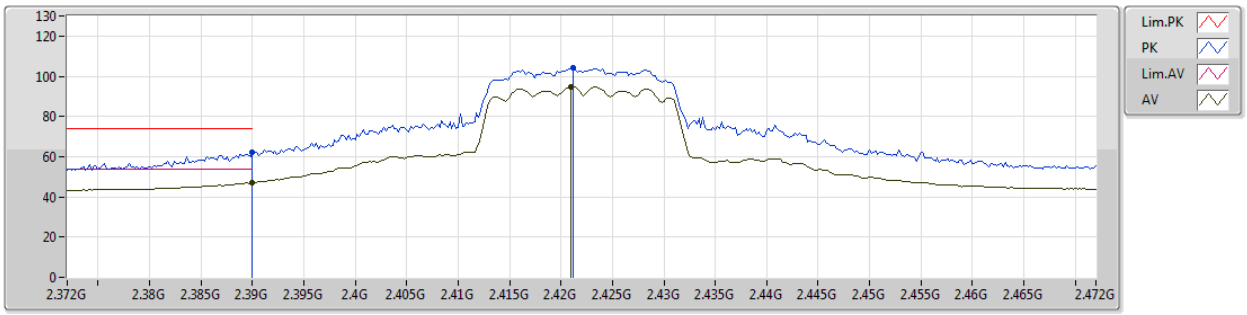
EUT Y_2TX
Setting 68
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	72.12	74.00	-1.88	31.95	3	Vertical	268	1.01	-
AV	2.39G	53.76	54.00	-0.24	31.95	3	Vertical	268	1.01	-
PK	2.4206G	114.10	Inf	-Inf	32.04	3	Vertical	268	1.01	-
AV	2.4232G	103.60	Inf	-Inf	32.05	3	Vertical	268	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

24/11/2018



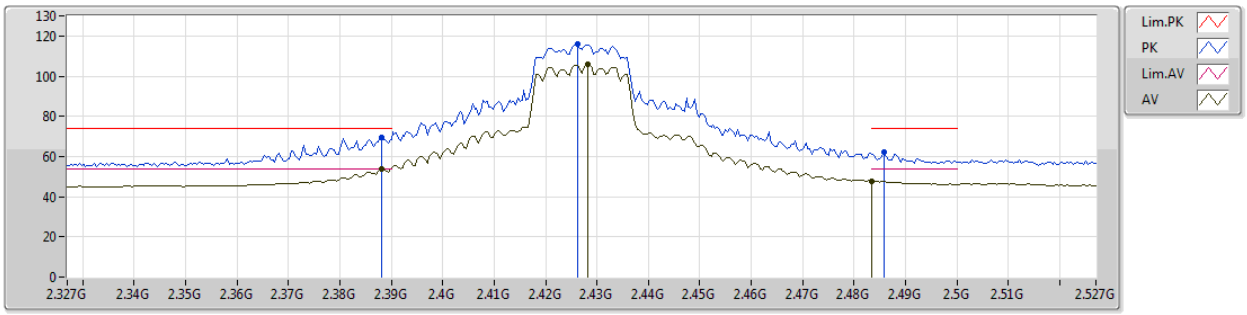
EUT Y_2TX
Setting 68
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	61.96	74.00	-12.04	31.95	3	Horizontal	230	2.89	-
AV	2.39G	47.00	54.00	-7.00	31.95	3	Horizontal	230	2.89	-
PK	2.4212G	103.96	Inf	-Inf	32.04	3	Horizontal	230	2.89	-
AV	2.421G	94.81	Inf	-Inf	32.04	3	Horizontal	230	2.89	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

24/11/2018



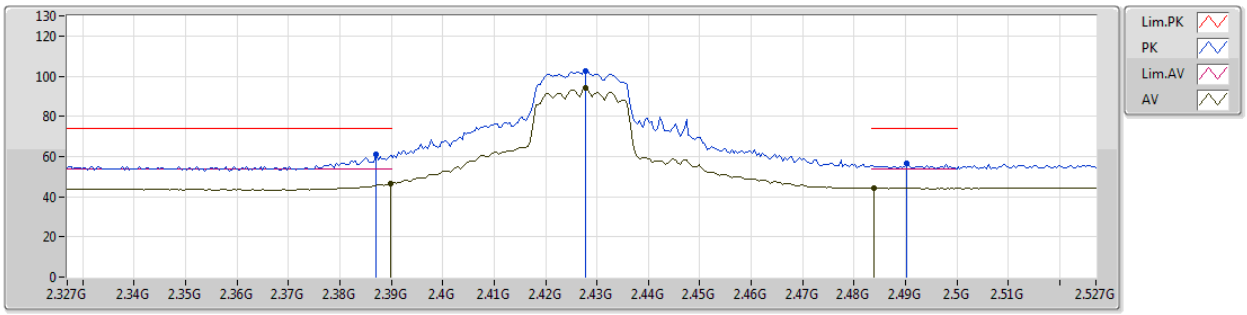
EUT Y_2TX
Setting 73
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	69.62	74.00	-4.38	31.95	3	Vertical	270	1.11	-
AV	2.3882G	53.77	54.00	-0.23	31.95	3	Vertical	270	1.11	-
PK	2.4262G	115.87	Inf	-Inf	32.06	3	Vertical	270	1.11	-
AV	2.4282G	105.65	Inf	-Inf	32.06	3	Vertical	270	1.11	-
PK	2.4858G	62.24	74.00	-11.76	32.23	3	Vertical	270	1.11	-
AV	2.4835G	47.81	54.00	-6.19	32.23	3	Vertical	270	1.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

24/11/2018



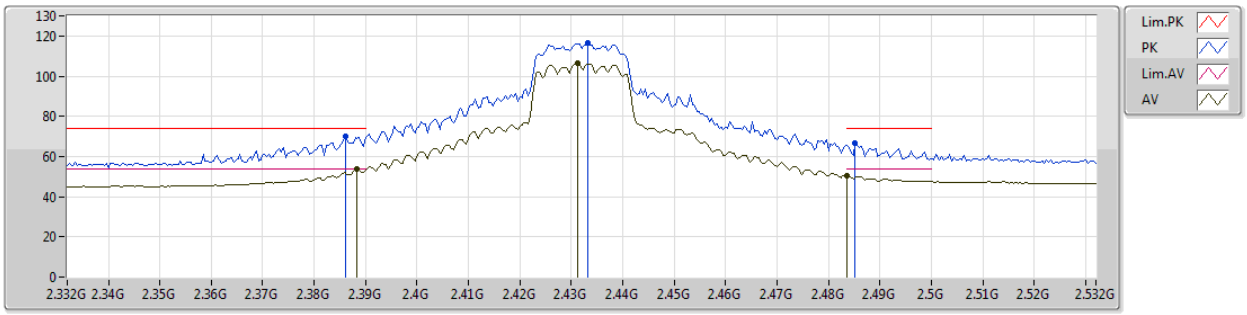
EUT Y_2TX
Setting 73
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	61.00	74.00	-13.00	31.94	3	Horizontal	251	1.50	-
AV	2.3898G	46.78	54.00	-7.22	31.95	3	Horizontal	251	1.50	-
PK	2.4278G	102.46	Inf	-Inf	32.06	3	Horizontal	251	1.50	-
AV	2.4278G	93.87	Inf	-Inf	32.06	3	Horizontal	251	1.50	-
PK	2.4902G	56.60	74.00	-17.40	32.24	3	Horizontal	251	1.50	-
AV	2.4838G	44.37	54.00	-9.63	32.23	3	Horizontal	251	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

24/11/2018



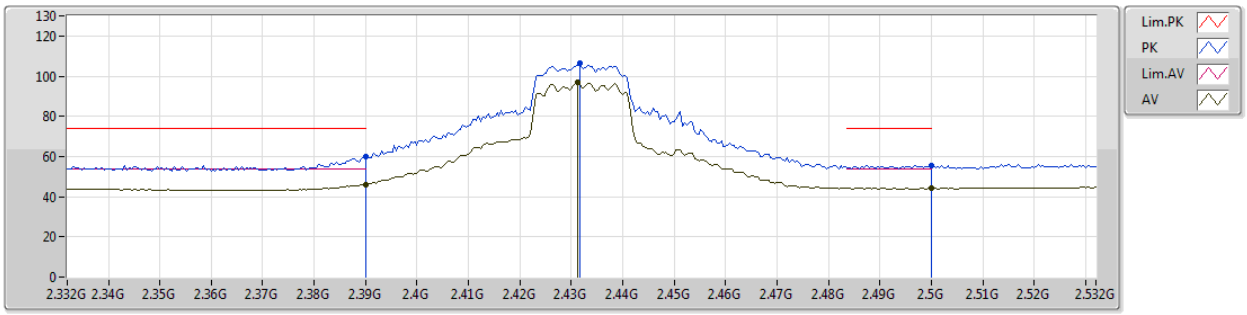
EUT Y_2TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	70.30	74.00	-3.70	31.94	3	Vertical	308	1.00	-
AV	2.3884G	53.76	54.00	-0.24	31.95	3	Vertical	308	1.00	-
PK	2.4332G	116.34	Inf	-Inf	32.08	3	Vertical	308	1.00	-
AV	2.4312G	106.58	Inf	-Inf	32.07	3	Vertical	308	1.00	-
PK	2.4852G	66.70	74.00	-7.30	32.23	3	Vertical	308	1.00	-
AV	2.4836G	50.49	54.00	-3.51	32.23	3	Vertical	308	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

24/11/2018



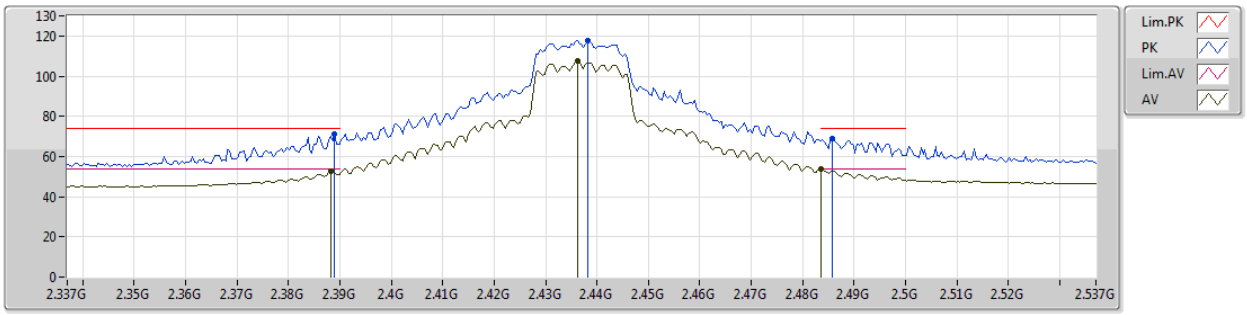
EUT Y_2TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	59.84	74.00	-14.16	31.95	3	Horizontal	231	2.86	-
AV	2.39G	46.04	54.00	-7.96	31.95	3	Horizontal	231	2.86	-
PK	2.4316G	106.44	Inf	-Inf	32.08	3	Horizontal	231	2.86	-
AV	2.4312G	96.75	Inf	-Inf	32.07	3	Horizontal	231	2.86	-
PK	2.5G	55.55	74.00	-18.45	32.27	3	Horizontal	231	2.86	-
AV	2.5G	44.18	54.00	-9.82	32.27	3	Horizontal	231	2.86	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



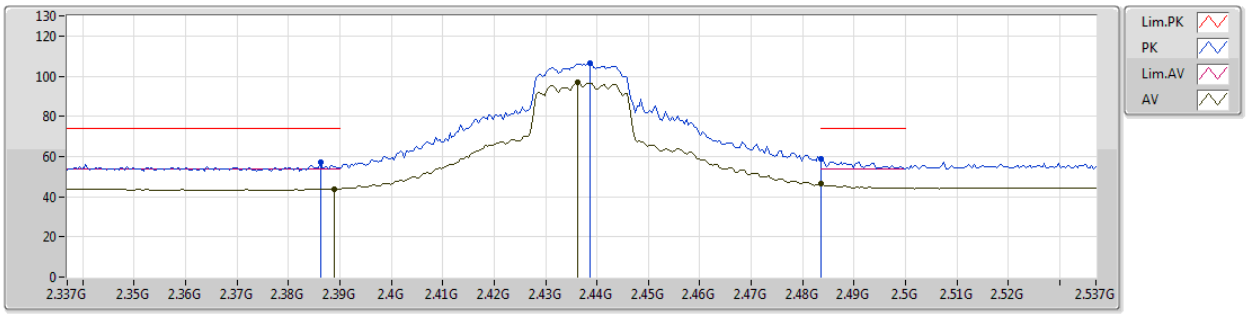
EUT Y_2TX
Setting 77
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	71.01	74.00	-2.99	31.95	3	Vertical	308	1.00	-
AV	2.3882G	52.75	54.00	-1.25	31.95	3	Vertical	308	1.00	-
PK	2.4382G	117.83	Inf	-Inf	32.09	3	Vertical	308	1.00	-
AV	2.4362G	107.48	Inf	-Inf	32.09	3	Vertical	308	1.00	-
PK	2.4858G	69.02	74.00	-4.98	32.23	3	Vertical	308	1.00	-
AV	2.4835G	53.77	54.00	-0.23	32.23	3	Vertical	308	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



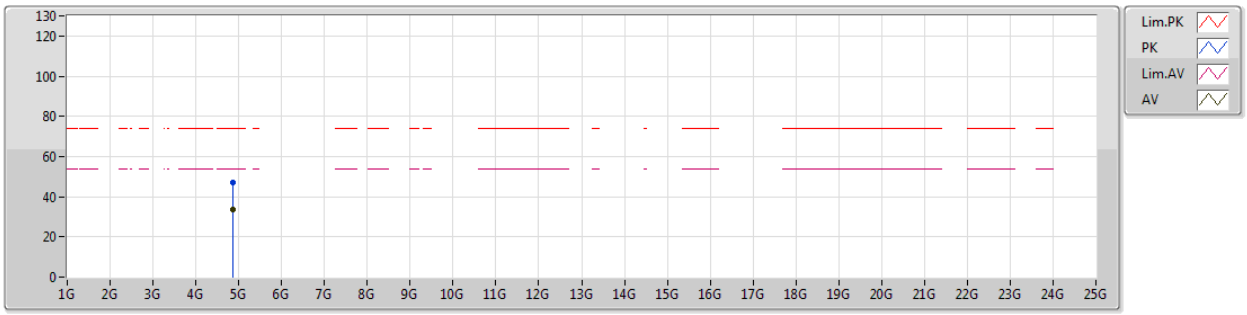
EUT Y_2TX
Setting 77
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3862G	57.21	74.00	-16.79	31.94	3	Horizontal	232	2.82	-
AV	2.389G	43.97	54.00	-10.03	31.95	3	Horizontal	232	2.82	-
PK	2.4386G	106.39	Inf	-Inf	32.09	3	Horizontal	232	2.82	-
AV	2.4362G	97.19	Inf	-Inf	32.09	3	Horizontal	232	2.82	-
PK	2.4835G	58.90	74.00	-15.10	32.23	3	Horizontal	232	2.82	-
AV	2.4835G	46.23	54.00	-7.77	32.23	3	Horizontal	232	2.82	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



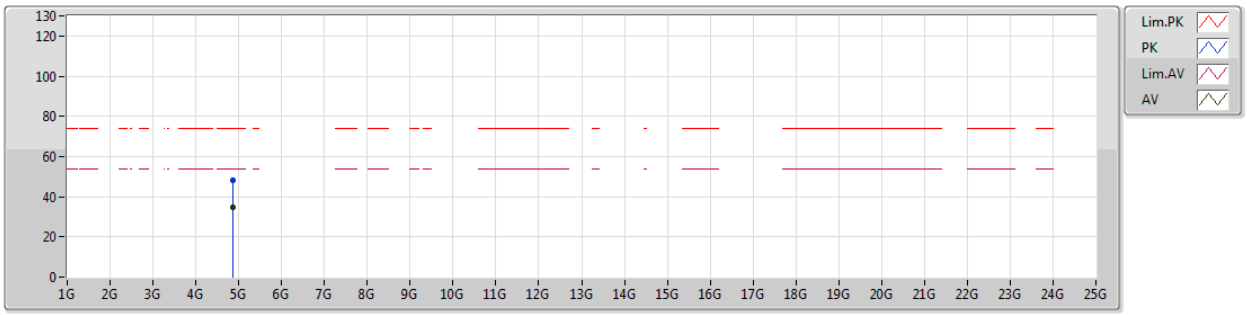
EUT Y_2TX
Setting 77
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87112G	47.17	74.00	-26.83	5.10	3	Vertical	158	2.14	-
AV	4.87114G	33.61	54.00	-20.39	5.10	3	Vertical	158	2.14	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



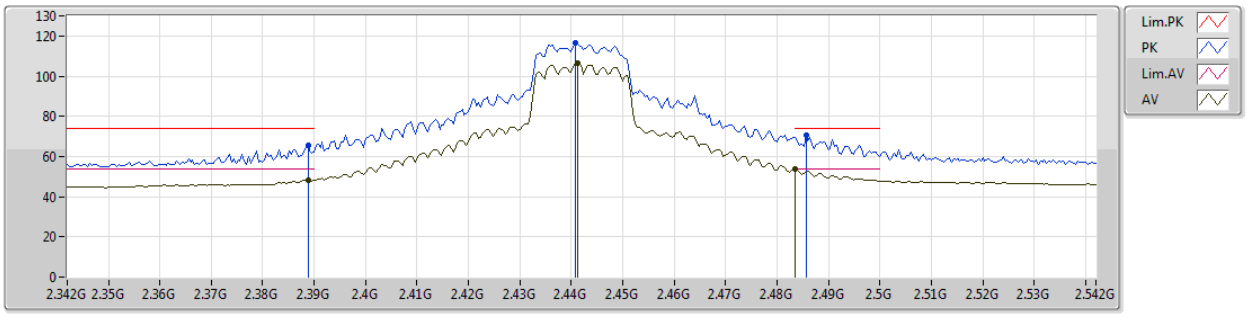
EUT Y_2TX
Setting 77
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87278G	48.04	74.00	-25.96	5.10	3	Horizontal	326	2.95	-
AV	4.87266G	34.68	54.00	-19.32	5.10	3	Horizontal	326	2.95	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

24/11/2018



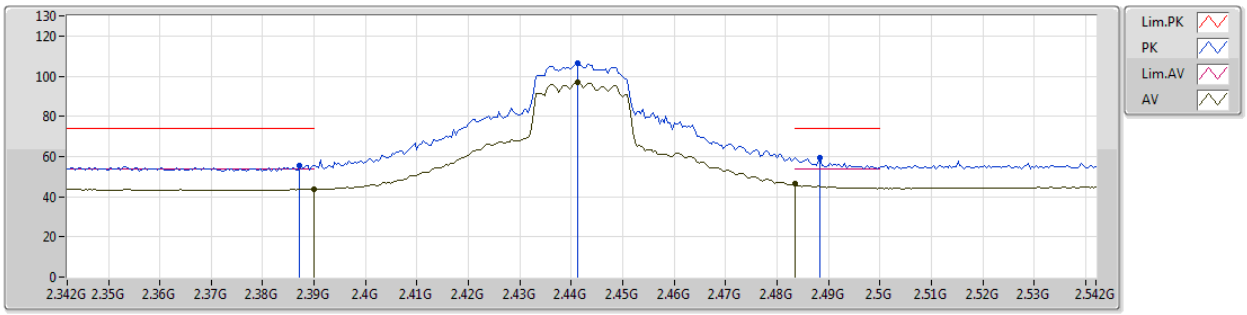
EUT Y_2TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	65.37	74.00	-8.63	31.95	3	Vertical	311	1.00	-
AV	2.3888G	48.15	54.00	-5.85	31.95	3	Vertical	311	1.00	-
PK	2.4408G	116.38	Inf	-Inf	32.10	3	Vertical	311	1.00	-
AV	2.4412G	106.45	Inf	-Inf	32.10	3	Vertical	311	1.00	-
PK	2.4856G	70.51	74.00	-3.49	32.23	3	Vertical	311	1.00	-
AV	2.4835G	53.88	54.00	-0.12	32.23	3	Vertical	311	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

24/11/2018



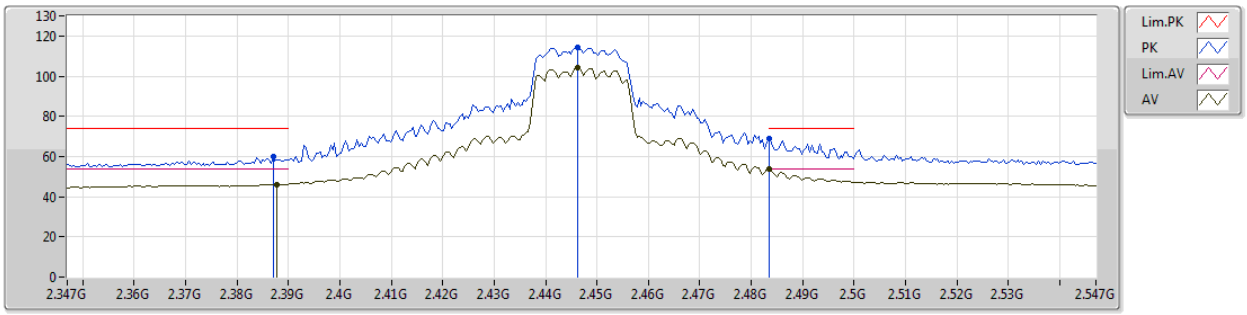
EUT Y_2TX
Setting 75
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3872G	55.71	74.00	-18.29	31.94	3	Horizontal	230	2.82	-
AV	2.39G	43.79	54.00	-10.21	31.95	3	Horizontal	230	2.82	-
PK	2.4412G	106.41	Inf	-Inf	32.10	3	Horizontal	230	2.82	-
AV	2.4412G	96.90	Inf	-Inf	32.10	3	Horizontal	230	2.82	-
PK	2.4884G	59.15	74.00	-14.85	32.24	3	Horizontal	230	2.82	-
AV	2.4835G	46.34	54.00	-7.66	32.23	3	Horizontal	230	2.82	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

24/11/2018



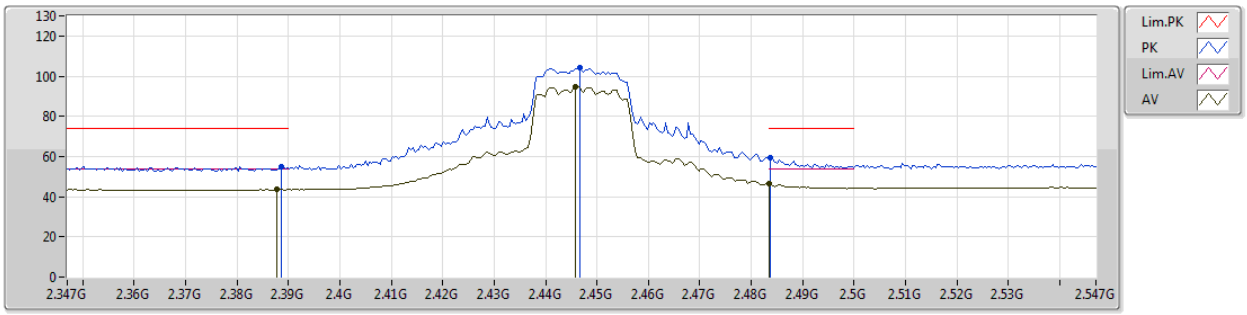
EUT Y_2TX
Setting 70
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	59.92	74.00	-14.08	31.94	3	Vertical	308	1.07	-
AV	2.3878G	46.19	54.00	-7.81	31.95	3	Vertical	308	1.07	-
PK	2.4462G	114.28	Inf	-Inf	32.12	3	Vertical	308	1.07	-
AV	2.4462G	104.38	Inf	-Inf	32.12	3	Vertical	308	1.07	-
PK	2.4835G	69.02	74.00	-4.98	32.23	3	Vertical	308	1.07	-
AV	2.4835G	53.79	54.00	-0.21	32.23	3	Vertical	308	1.07	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

24/11/2018



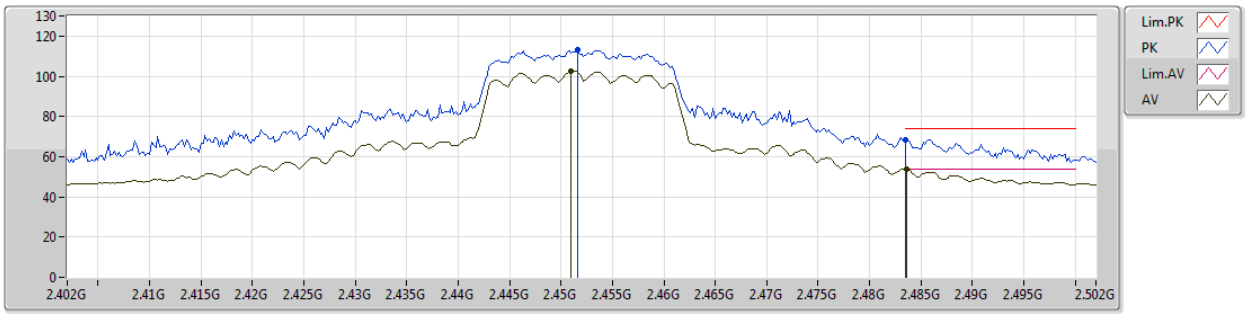
EUT Y_2TX
Setting 70
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	54.93	74.00	-19.07	31.95	3	Horizontal	230	2.81	-
AV	2.3878G	43.59	54.00	-10.41	31.95	3	Horizontal	230	2.81	-
PK	2.4466G	104.37	Inf	-Inf	32.12	3	Horizontal	230	2.81	-
AV	2.4458G	94.74	Inf	-Inf	32.12	3	Horizontal	230	2.81	-
PK	2.4838G	59.67	74.00	-14.33	32.23	3	Horizontal	230	2.81	-
AV	2.4835G	46.30	54.00	-7.70	32.23	3	Horizontal	230	2.81	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

24/11/2018



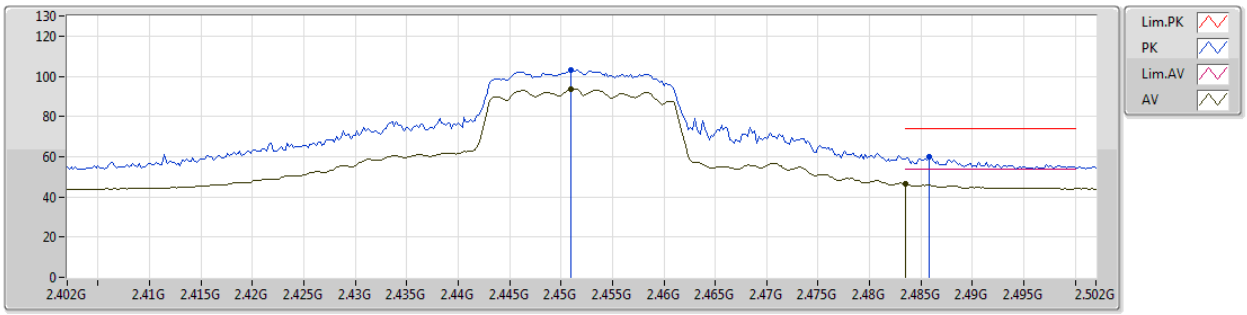
EUT Y_2TX
Setting 67
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4516G	112.92	Inf	-Inf	32.13	3	Vertical	278	1.09	-
AV	2.451G	102.61	Inf	-Inf	32.13	3	Vertical	278	1.09	-
PK	2.4835G	68.48	74.00	-5.52	32.23	3	Vertical	278	1.09	-
AV	2.4836G	53.87	54.00	-0.13	32.23	3	Vertical	278	1.09	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

24/11/2018



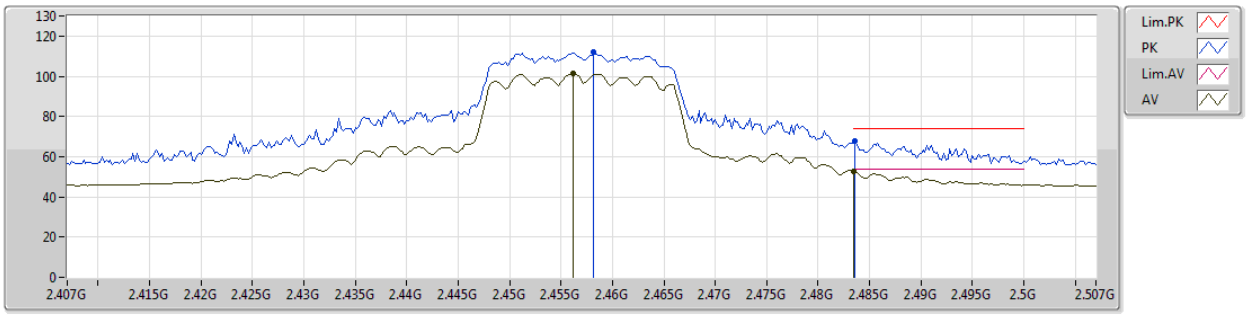
EUT Y_2TX
Setting 67
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.451G	102.94	Inf	-Inf	32.13	3	Horizontal	231	2.81	-
AV	2.451G	93.82	Inf	-Inf	32.13	3	Horizontal	231	2.81	-
PK	2.4858G	59.81	74.00	-14.19	32.23	3	Horizontal	231	2.81	-
AV	2.4835G	46.67	54.00	-7.33	32.23	3	Horizontal	231	2.81	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

24/11/2018



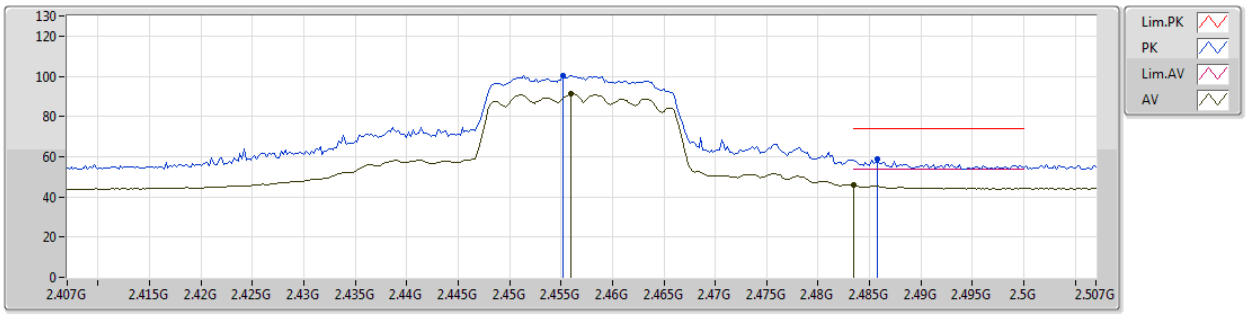
EUT Y_2TX
Setting 59
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4582G	111.83	Inf	-Inf	32.15	3	Vertical	305	1.01	-
AV	2.4562G	101.62	Inf	-Inf	32.14	3	Vertical	305	1.01	-
PK	2.4836G	67.76	74.00	-6.24	32.23	3	Vertical	305	1.01	-
AV	2.4835G	52.84	54.00	-1.16	32.23	3	Vertical	305	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

24/11/2018



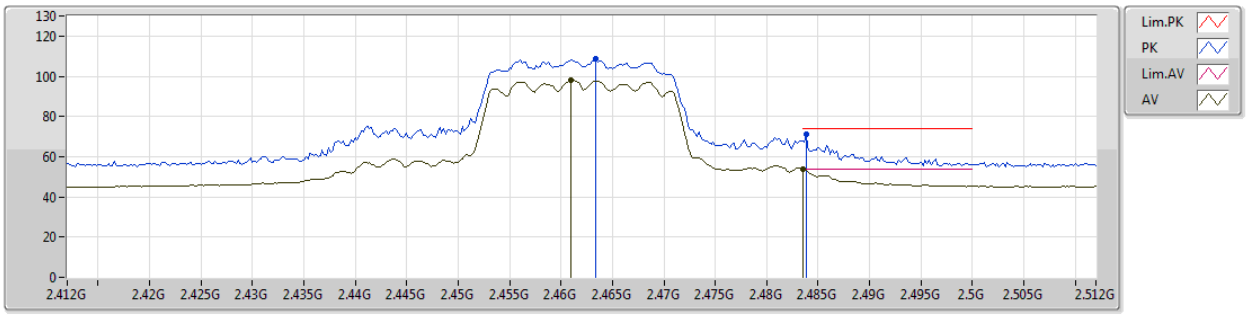
EUT Y_2TX
Setting 59
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4552G	100.41	Inf	-Inf	32.14	3	Horizontal	234	2.83	-
AV	2.456G	91.42	Inf	-Inf	32.14	3	Horizontal	234	2.83	-
PK	2.4858G	58.87	74.00	-15.13	32.23	3	Horizontal	234	2.83	-
AV	2.4835G	45.85	54.00	-8.15	32.23	3	Horizontal	234	2.83	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

24/11/2018



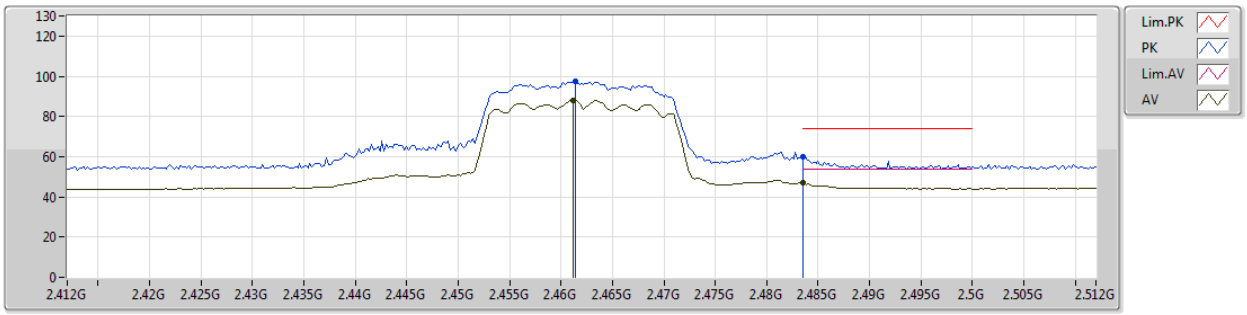
EUT Y_2TX
Setting 45
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4634G	108.43	Inf	-Inf	32.16	3	Vertical	293	1.00	-
AV	2.461G	98.17	Inf	-Inf	32.16	3	Vertical	293	1.00	-
PK	2.4838G	71.08	74.00	-2.92	32.23	3	Vertical	293	1.00	-
AV	2.4835G	53.96	54.00	-0.04	32.23	3	Vertical	293	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

24/11/2018



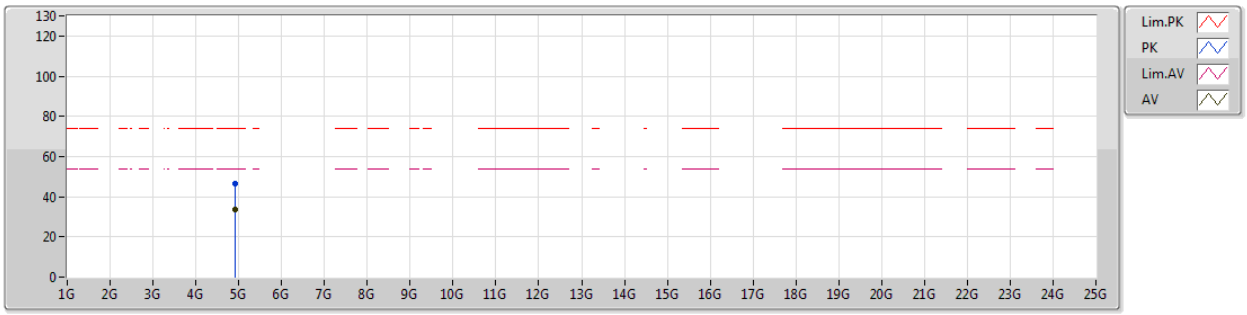
EUT Y_2TX
Setting 45
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4614G	97.23	Inf	-Inf	32.16	3	Horizontal	230	2.77	-
AV	2.4612G	88.19	Inf	-Inf	32.16	3	Horizontal	230	2.77	-
PK	2.4835G	59.92	74.00	-14.08	32.23	3	Horizontal	230	2.77	-
AV	2.4835G	46.81	54.00	-7.19	32.23	3	Horizontal	230	2.77	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

24/11/2018



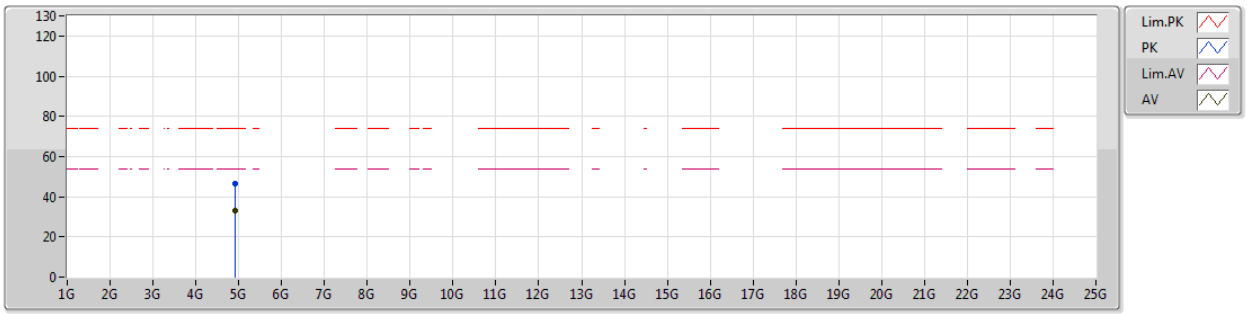
EUT Y_2TX
Setting 45
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9207G	46.67	74.00	-27.33	5.23	3	Vertical	226	1.82	-
AV	4.92874G	33.42	54.00	-20.58	5.25	3	Vertical	226	1.82	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

24/11/2018



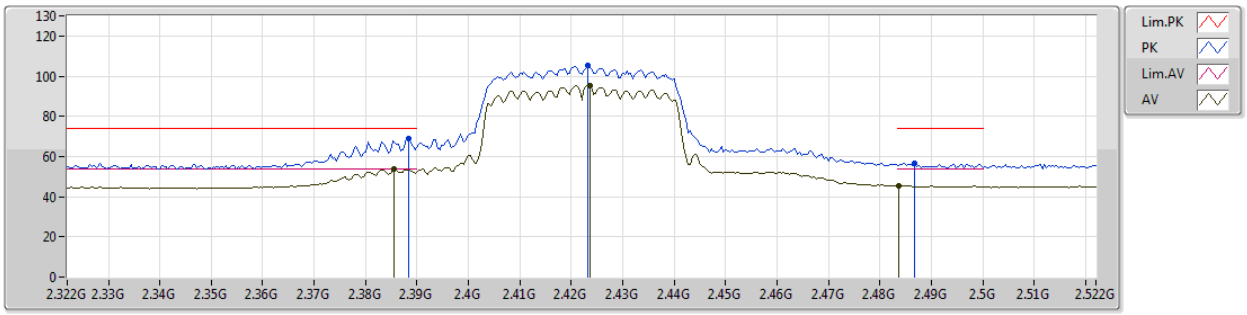
EUT Y_2TX
Setting 45
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92408G	46.67	74.00	-27.33	5.24	3	Horizontal	193	1.02	-
AV	4.92878G	33.23	54.00	-20.77	5.25	3	Horizontal	193	1.02	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

24/11/2018



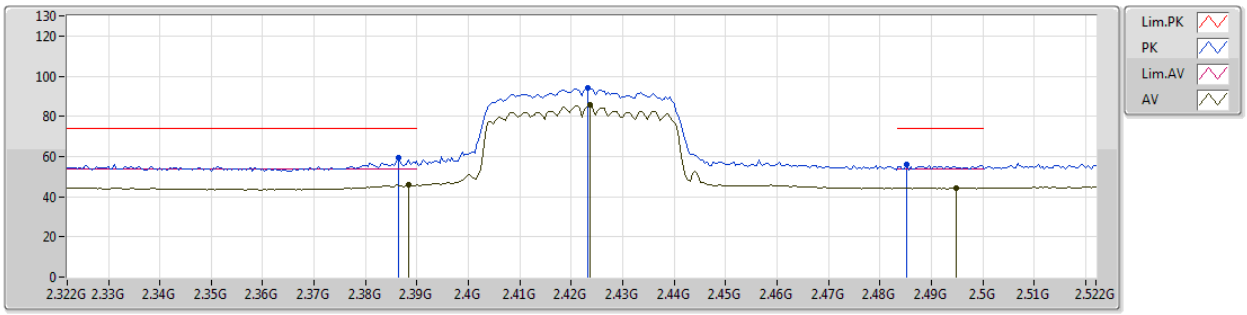
EUT Y_2TX
Setting 37
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	68.80	74.00	-5.20	31.95	3	Vertical	269	1.10	-
AV	2.3856G	53.76	54.00	-0.24	31.94	3	Vertical	269	1.10	-
PK	2.4232G	105.28	Inf	-Inf	32.05	3	Vertical	269	1.10	-
AV	2.4236G	95.45	Inf	-Inf	32.05	3	Vertical	269	1.10	-
PK	2.4868G	56.66	74.00	-17.34	32.23	3	Vertical	269	1.10	-
AV	2.4836G	45.55	54.00	-8.45	32.23	3	Vertical	269	1.10	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

24/11/2018



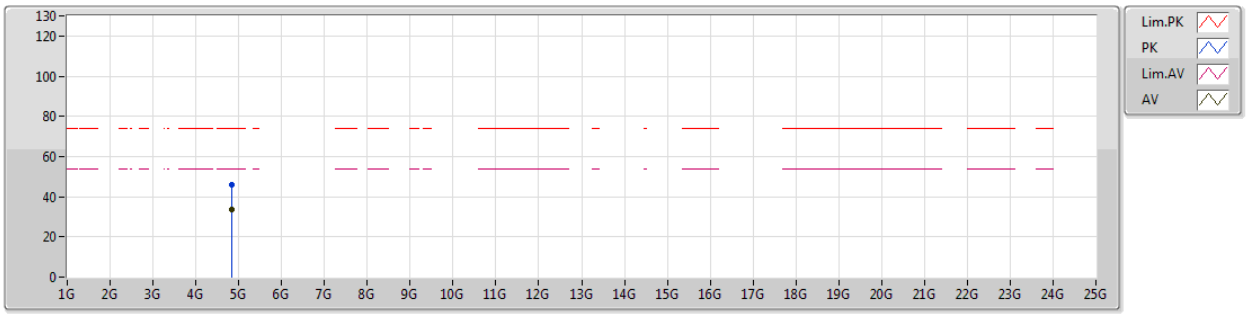
EUT Y_2TX
Setting 37
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3864G	59.12	74.00	-14.88	31.94	3	Horizontal	230	2.87	-
AV	2.3884G	45.80	54.00	-8.20	31.95	3	Horizontal	230	2.87	-
PK	2.4232G	93.89	Inf	-Inf	32.05	3	Horizontal	230	2.87	-
AV	2.4236G	85.46	Inf	-Inf	32.05	3	Horizontal	230	2.87	-
PK	2.4852G	55.84	74.00	-18.16	32.23	3	Horizontal	230	2.87	-
AV	2.4948G	44.41	54.00	-9.59	32.26	3	Horizontal	230	2.87	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

24/11/2018



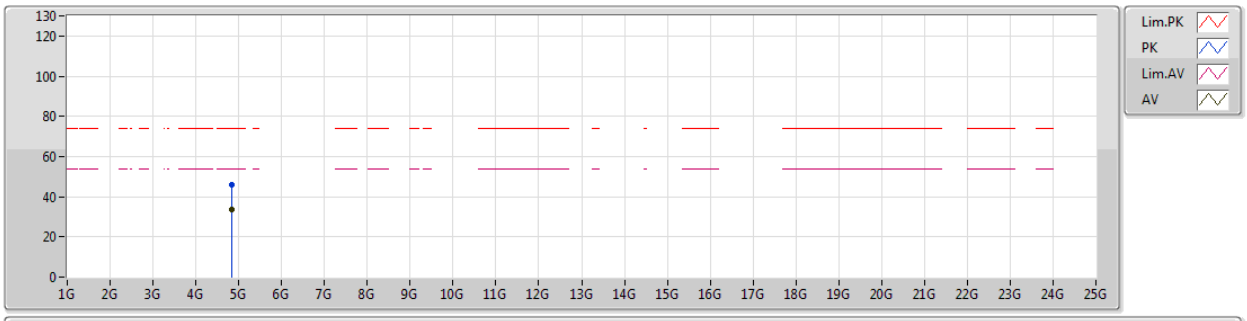
EUT Y_2TX
Setting 37
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84822G	45.86	74.00	-28.14	5.03	3	Vertical	145	1.31	-
AV	4.84842G	33.72	54.00	-20.28	5.03	3	Vertical	145	1.31	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

24/11/2018



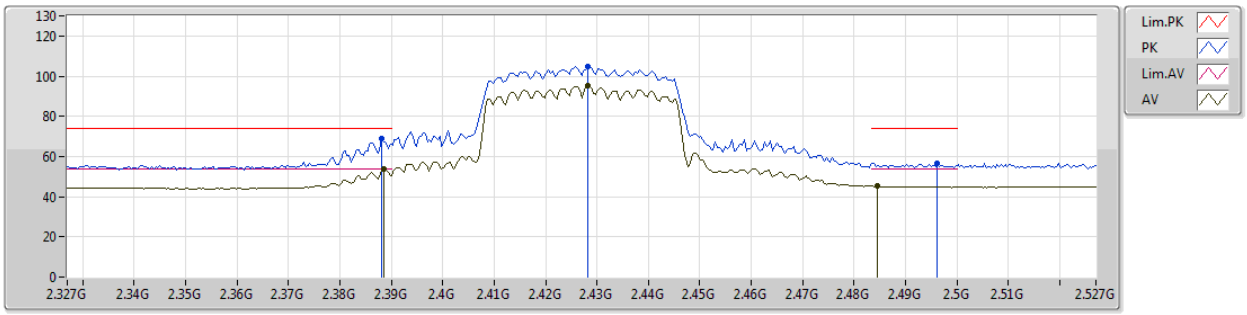
EUT Y_2TX
Setting 37
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.845G	45.97	74.00	-28.03	5.02	3	Horizontal	185	2.74	-
AV	4.84862G	33.88	54.00	-20.12	5.03	3	Horizontal	185	2.74	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

24/11/2018



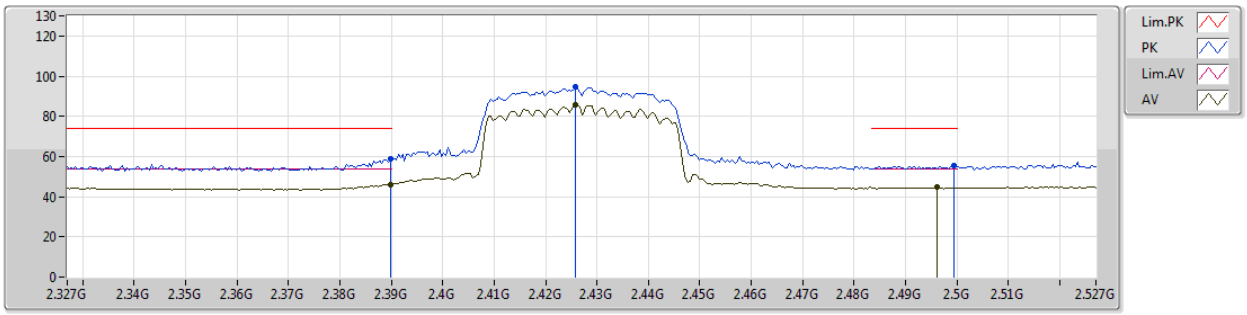
EUT Y_2TX
Setting 39
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	68.79	74.00	-5.21	31.95	3	Vertical	272	1.01	-
AV	2.3886G	53.77	54.00	-0.23	31.95	3	Vertical	272	1.01	-
PK	2.4282G	104.69	Inf	-Inf	32.06	3	Vertical	272	1.01	-
AV	2.4282G	95.15	Inf	-Inf	32.06	3	Vertical	272	1.01	-
PK	2.4962G	56.70	74.00	-17.30	32.26	3	Vertical	272	1.01	-
AV	2.4846G	45.25	54.00	-8.75	32.23	3	Vertical	272	1.01	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

24/11/2018



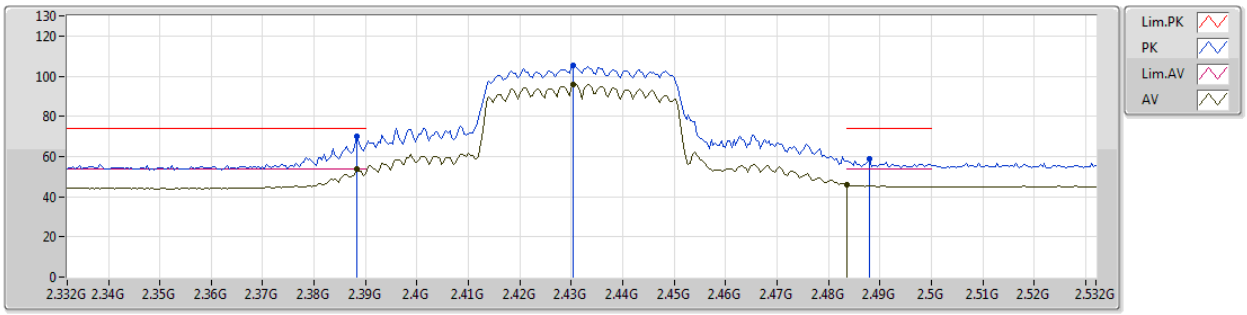
EUT Y_2TX
Setting 39
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	59.04	74.00	-14.96	31.95	3	Horizontal	229	2.88	-
AV	2.3898G	45.97	54.00	-8.03	31.95	3	Horizontal	229	2.88	-
PK	2.4258G	94.47	Inf	-Inf	32.05	3	Horizontal	229	2.88	-
AV	2.4258G	85.61	Inf	-Inf	32.05	3	Horizontal	229	2.88	-
PK	2.4994G	55.26	74.00	-18.74	32.27	3	Horizontal	229	2.88	-
AV	2.4962G	44.61	54.00	-9.39	32.26	3	Horizontal	229	2.88	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

24/11/2018



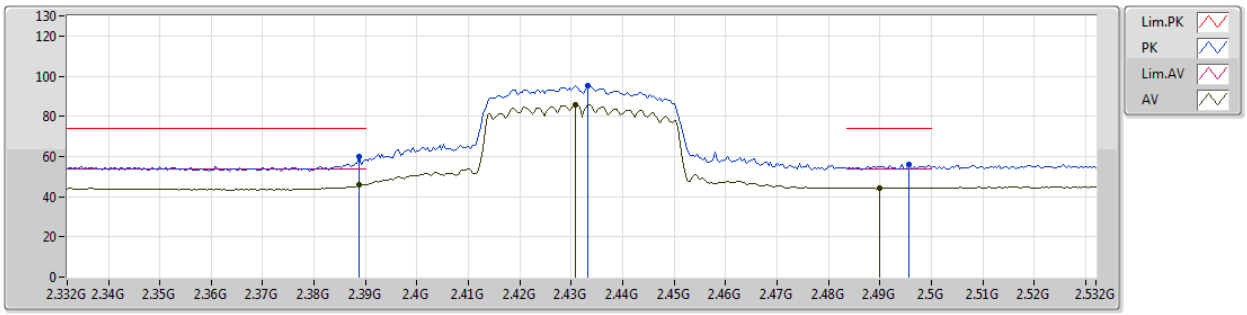
EUT Y_2TX
Setting 43
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	70.30	74.00	-3.70	31.95	3	Vertical	264	1.00	-
AV	2.3884G	53.80	54.00	-0.20	31.95	3	Vertical	264	1.00	-
PK	2.4304G	105.13	Inf	-Inf	32.06	3	Vertical	264	1.00	-
AV	2.4304G	95.74	Inf	-Inf	32.06	3	Vertical	264	1.00	-
PK	2.488G	58.73	74.00	-15.27	32.23	3	Vertical	264	1.00	-
AV	2.4836G	46.15	54.00	-7.85	32.23	3	Vertical	264	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

24/11/2018



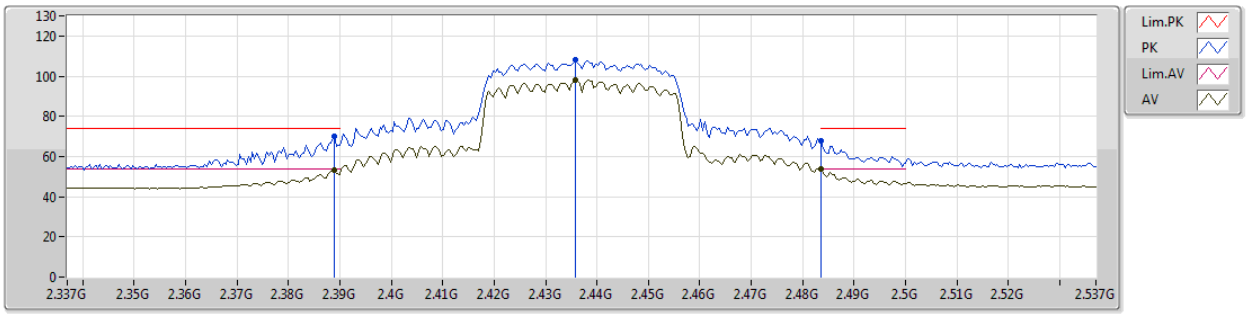
EUT Y_2TX
Setting 43
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	59.89	74.00	-14.11	31.95	3	Horizontal	228	2.88	-
AV	2.3888G	45.94	54.00	-8.06	31.95	3	Horizontal	228	2.88	-
PK	2.4332G	95.24	Inf	-Inf	32.08	3	Horizontal	228	2.88	-
AV	2.4308G	85.90	Inf	-Inf	32.06	3	Horizontal	228	2.88	-
PK	2.4956G	56.10	74.00	-17.90	32.26	3	Horizontal	228	2.88	-
AV	2.49G	44.51	54.00	-9.49	32.24	3	Horizontal	228	2.88	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



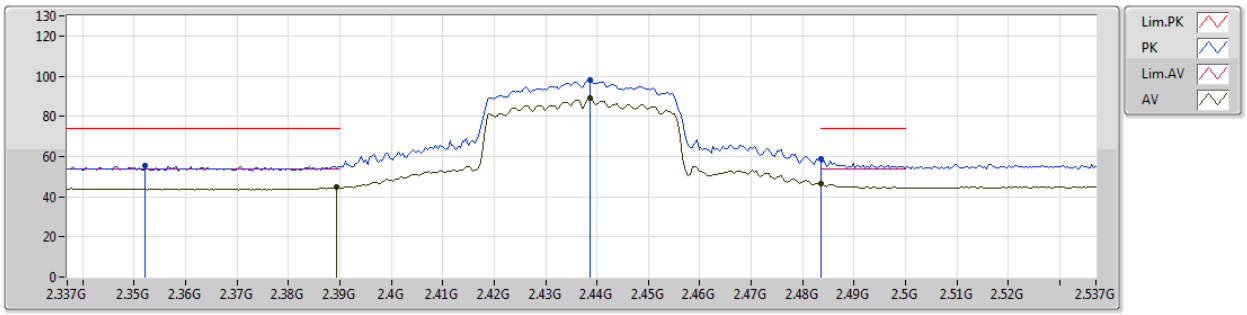
EUT Y_2TX
Setting 53
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	69.82	74.00	-4.18	31.95	3	Vertical	268	1.02	-
AV	2.389G	53.11	54.00	-0.89	31.95	3	Vertical	268	1.02	-
PK	2.4358G	107.95	Inf	-Inf	32.09	3	Vertical	268	1.02	-
AV	2.4358G	98.26	Inf	-Inf	32.09	3	Vertical	268	1.02	-
PK	2.4835G	67.87	74.00	-6.13	32.23	3	Vertical	268	1.02	-
AV	2.4835G	53.96	54.00	-0.04	32.23	3	Vertical	268	1.02	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



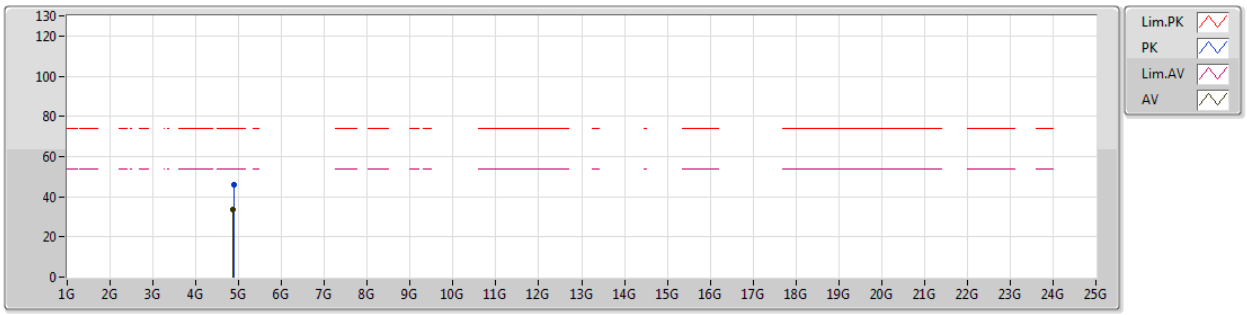
EUT Y_2TX
Setting 53
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3522G	55.53	74.00	-18.47	31.84	3	Horizontal	233	2.81	-
AV	2.3894G	44.55	54.00	-9.45	31.95	3	Horizontal	233	2.81	-
PK	2.4386G	97.94	Inf	-Inf	32.09	3	Horizontal	233	2.81	-
AV	2.4386G	88.89	Inf	-Inf	32.09	3	Horizontal	233	2.81	-
PK	2.4835G	58.88	74.00	-15.12	32.23	3	Horizontal	233	2.81	-
AV	2.4835G	46.74	54.00	-7.26	32.23	3	Horizontal	233	2.81	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



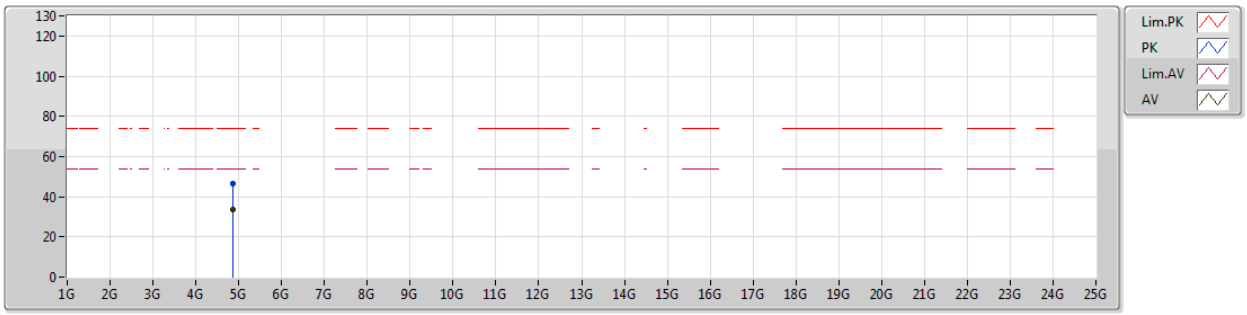
EUT Y_2TX
Setting 53
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87744G	46.07	74.00	-27.93	5.11	3	Vertical	211	2.14	-
AV	4.87258G	33.83	54.00	-20.17	5.10	3	Vertical	211	2.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

24/11/2018



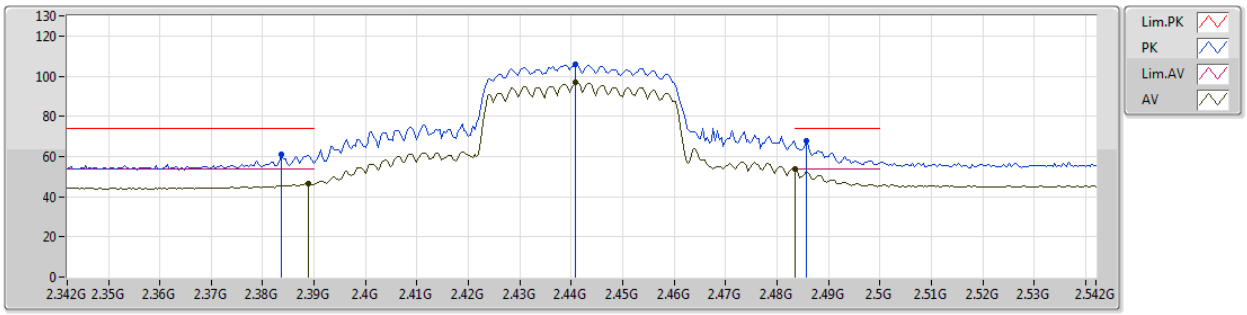
EUT Y_2TX
Setting 53
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87318G	46.70	74.00	-27.30	5.10	3	Horizontal	265	1.64	-
AV	4.87412G	33.73	54.00	-20.27	5.11	3	Horizontal	265	1.64	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

24/11/2018



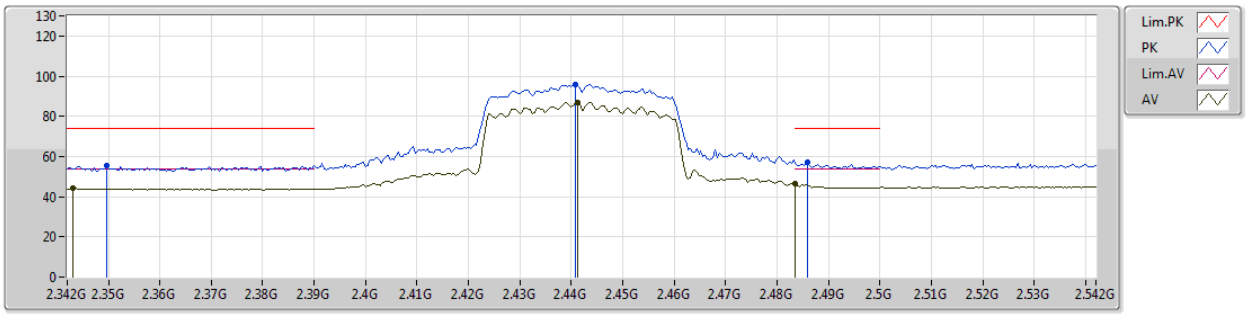
EUT Y_2TX
Setting 45
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3836G	61.11	74.00	-12.89	31.94	3	Vertical	301	1.00	-
AV	2.3888G	46.40	54.00	-7.60	31.95	3	Vertical	301	1.00	-
PK	2.4408G	106.17	Inf	-Inf	32.10	3	Vertical	301	1.00	-
AV	2.4408G	96.75	Inf	-Inf	32.10	3	Vertical	301	1.00	-
PK	2.4856G	67.64	74.00	-6.36	32.23	3	Vertical	301	1.00	-
AV	2.4836G	53.80	54.00	-0.20	32.23	3	Vertical	301	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

24/11/2018



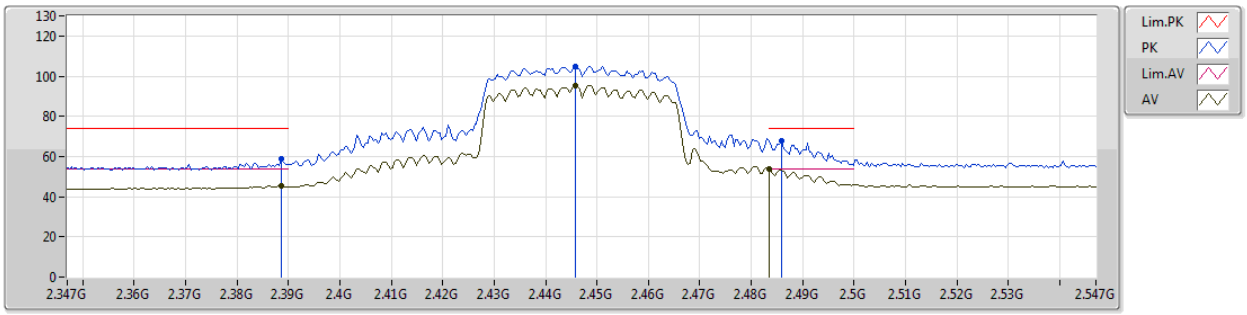
EUT Y_2TX
Setting 45
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3496G	55.70	74.00	-18.30	31.83	3	Horizontal	229	2.81	-
AV	2.3432G	44.13	54.00	-9.87	31.82	3	Horizontal	229	2.81	-
PK	2.4408G	95.86	Inf	-Inf	32.10	3	Horizontal	229	2.81	-
AV	2.4412G	86.98	Inf	-Inf	32.10	3	Horizontal	229	2.81	-
PK	2.486G	56.90	74.00	-17.10	32.23	3	Horizontal	229	2.81	-
AV	2.4835G	46.52	54.00	-7.48	32.23	3	Horizontal	229	2.81	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

24/11/2018



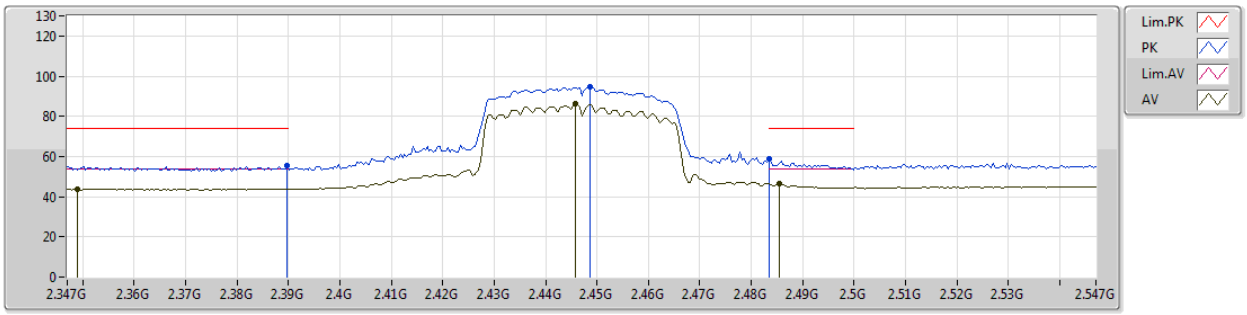
EUT Y_2TX
Setting 43
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	58.76	74.00	-15.24	31.95	3	Vertical	289	1.01	-
AV	2.3886G	45.43	54.00	-8.57	31.95	3	Vertical	289	1.01	-
PK	2.4458G	104.76	Inf	-Inf	32.12	3	Vertical	289	1.01	-
AV	2.4458G	95.32	Inf	-Inf	32.12	3	Vertical	289	1.01	-
PK	2.4858G	68.06	74.00	-5.94	32.23	3	Vertical	289	1.01	-
AV	2.4835G	53.97	54.00	-0.03	32.23	3	Vertical	289	1.01	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

24/11/2018



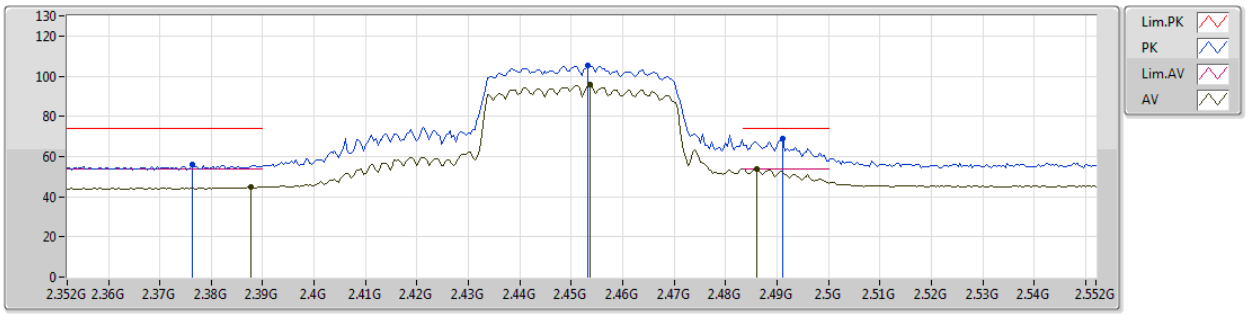
EUT Y_2TX
Setting 43
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	55.51	74.00	-18.49	31.95	3	Horizontal	232	2.82	-
AV	2.349G	43.88	54.00	-10.12	31.83	3	Horizontal	232	2.82	-
PK	2.4486G	94.64	Inf	-Inf	32.12	3	Horizontal	232	2.82	-
AV	2.4458G	86.08	Inf	-Inf	32.12	3	Horizontal	232	2.82	-
PK	2.4835G	58.73	74.00	-15.27	32.23	3	Horizontal	232	2.82	-
AV	2.4854G	46.61	54.00	-7.39	32.23	3	Horizontal	232	2.82	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

24/11/2018



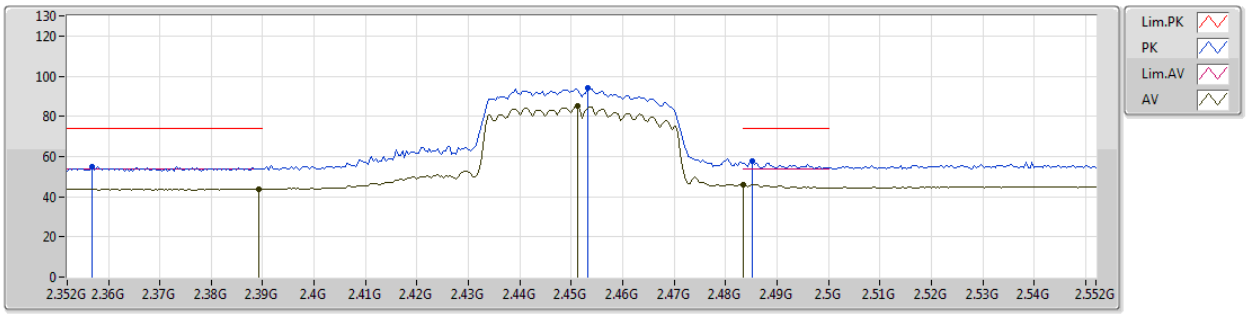
EUT Y_2TX
Setting 40
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3764G	56.07	74.00	-17.93	31.91	3	Vertical	305	1.00	-
AV	2.3876G	44.85	54.00	-9.15	31.95	3	Vertical	305	1.00	-
PK	2.4532G	105.07	Inf	-Inf	32.13	3	Vertical	305	1.00	-
AV	2.4536G	95.93	Inf	-Inf	32.13	3	Vertical	305	1.00	-
PK	2.4912G	68.83	74.00	-5.17	32.24	3	Vertical	305	1.00	-
AV	2.486G	53.77	54.00	-0.23	32.23	3	Vertical	305	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

24/11/2018



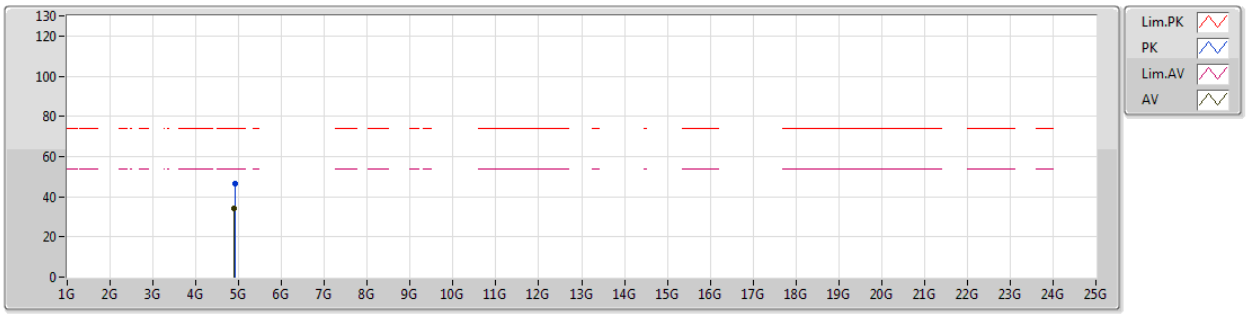
EUT Y_2TX
Setting 40
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3568G	54.82	74.00	-19.18	31.85	3	Horizontal	229	2.82	-
AV	2.3892G	43.98	54.00	-10.02	31.95	3	Horizontal	229	2.82	-
PK	2.4532G	93.92	Inf	-Inf	32.13	3	Horizontal	229	2.82	-
AV	2.4512G	85.20	Inf	-Inf	32.13	3	Horizontal	229	2.82	-
PK	2.4852G	57.50	74.00	-16.50	32.23	3	Horizontal	229	2.82	-
AV	2.4835G	45.86	54.00	-8.14	32.23	3	Horizontal	229	2.82	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

24/11/2018



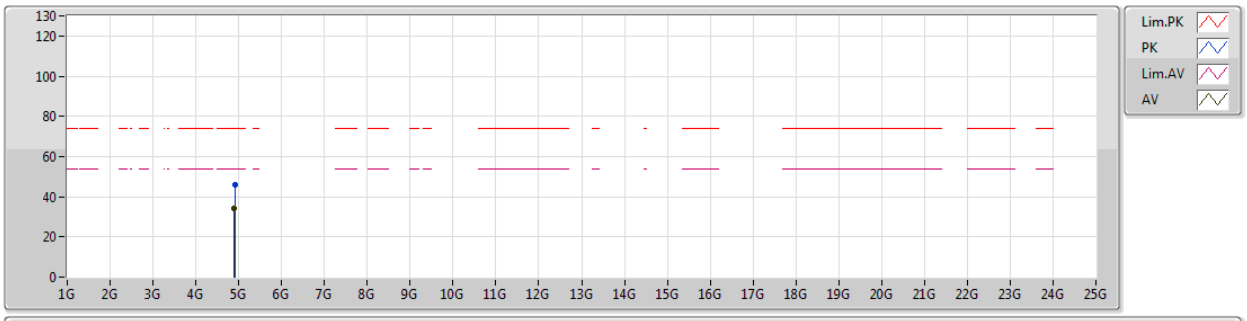
EUT Y_2TX
Setting 40
03-R-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90756G	46.71	74.00	-27.29	5.19	3	Vertical	275	1.84	-
AV	4.89904G	34.03	54.00	-19.97	5.17	3	Vertical	275	1.84	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

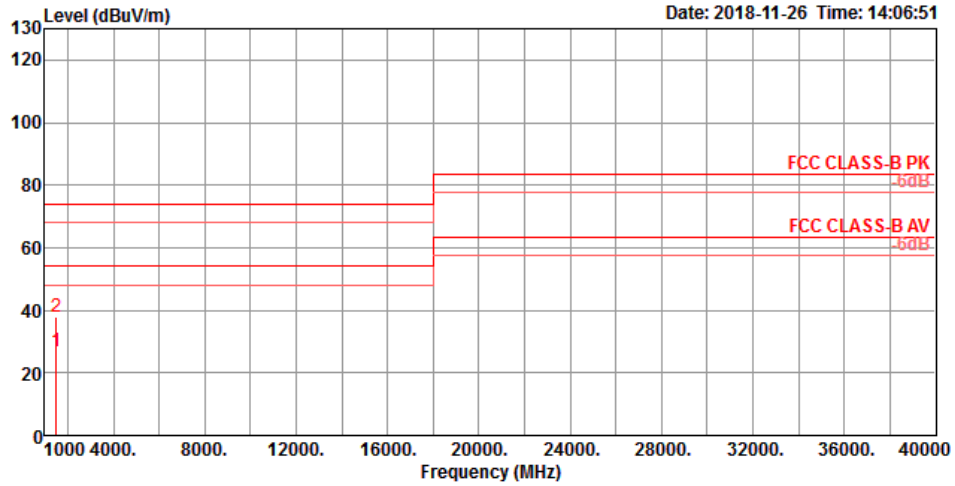
24/11/2018



EUT Y_2TX
Setting 40
03-R-5
FSP

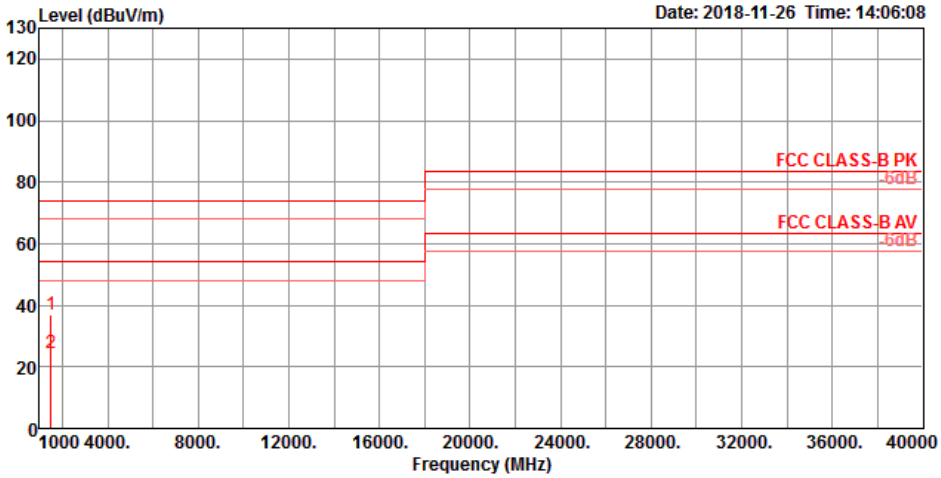
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90398G	46.06	74.00	-27.94	5.18	3	Horizontal	222	1.54	-
AV	4.90106G	34.11	54.00	-19.89	5.17	3	Horizontal	222	1.54	-

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1500.09	26.90	54.00	-27.10	32.84	3.52	25.10	34.56	100	348	Average	HORIZONTAL
2	1500.47	37.95	74.00	-36.05	43.89	3.52	25.10	34.56	100	348	Peak	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1499.81	36.98	74.00	-37.02	42.92	3.52	25.10	34.56	100	255	Peak	VERTICAL
2	1499.97	24.59	54.00	-29.41	30.53	3.52	25.10	34.56	100	255	Average	VERTICAL