Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	:	TOR-C130
Equipment	:	802.11a/b/g/n/ac AP
Brand Name	:	MOJO , ARISTA
Model Name	:	C-130E
Applicant	:	Mojo Networks, Inc. 5453 Great America Parkway Santa Clara, CA 95054 United States
Manufacturer	:	Mojo Networks, Inc. 5453 Great America Parkway Santa Clara, CA 95054 United States
Standard	:	47 CFR FCC Part 15.247

The product was received on Jan. 24, 2019, and testing was started from Jan. 31, 2019 and completed on Apr. 16, 2019. 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 variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR641226-21AA	01	Initial issue of report	Apr. 29, 2019

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 test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), (VHT40)	2422-2452	3-9 [7]

For Radio 1

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	VHT20	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	VHT40	40	4TX

For Radio 3

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	VHT40	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.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM 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	P/N	Antenna Type	Connector	Gain (dBi)
1	1	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	Note 1
2	2	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
3	3	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
4	4	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
5	1	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
6	2	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	

Note 1:

Ant.	Port	Antenna Gain (dBi)				Cable Loss (dB)				True Gain (dBi)			
		Radio 1 (2.4G)	Radio 2 (5G)	Radio 3 (2.4G)	Radio 3 (5G)	Radio 1 (2.4G)	Radio 2 (5G)	Radio 3 (2.4G)	Radio 3 (5G)	Radio 1 (2.4G)	Radio 2 (5G)	Radio 3 (2.4G)	Radio 3 (5G)
1	1	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
2	2	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
3	3	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
4	4	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
5	1	-	-	4.32	5.04	-	-	1.0	1.8	-	-	3.32	3.24
6	2	-	-	4.32	5.04	-	-	1.0	1.8	-	-	3.32	3.24

Note 2: The above information was declared by manufacturer.

Note 3:

For radio 1 and radio 2 (4TX/4RX)

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For radio 3 (Scan radio) (2TX/2RX)

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

Port 1 and Port 2 can could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

For radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.026	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.971	0.128	2.068m	1k
VHT20	0.987	0.057	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40	0.973	0.119	2.44m	1k

For radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.967	0.146	2.081m	1k
802.11g	0.967	0.146	2.081m	1k
VHT20	0.963	0.164	1.95m	1k
VHT40	0.925	0.339	955u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QCARCT Ver3.0.211.0			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Model Name	Brand Name	Description
C-130E	MOJO	The EUT has two brand names, all the brand are identical, the difference brand name served as marketing strategy.
	ARISTA	

1.1.6 Table for radio information

Radio	Function
Radio 1	2.4GHz
Radio 2	5GHz
Radio 3	2.4GHz / 5GHz (Scan Radio)

1.1.7 Table for Class II Change

This product is an extension of original one reported under Sporton project number: 641226-02AA

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding EUT of external antenna. Based on above modification: 2. Adding model name: C-130E. 3. Adding six antennas (brand name: WNC, P/N number: XKAJ-N04).	All test item
4. Adding a brand name "ARISTA". 5. Removing the RJ-45 cable. 6. Removing the beamforming function. 7. Removing the 80+80 mode (5210+5775MHz). 8. Changing the applicant/manufacturer address to “5453 Great America Parkway Santa Clara, CA 95054 United States” from “339 N. Bernardo Avenue, Suite #200 Mountain View, CA 94043 United States”.	it’s not necessary to test.

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 v05r01
- 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~24°C / 53%~55%	Apr. 08, 2019~Apr. 16, 2019
Radiated below 1GHz	03CH01-CB	Stim Sung	24°C / 58%	Jan. 31, 2019~Feb. 01, 2019
Radiated above 1GHz	03CH01-CB	Bruce Yang	22°C~25°C / 56%~60%	Apr. 06, 2019~Apr. 15, 2019
AC Conduction	CO02-CB	Wei Li	25.3°C~25.6°C / 58.1%~58.4%	Feb. 11, 2019

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086B 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

For Radio 1

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	20
2437MHz	20.5
2457MHz	20
2462MHz	19
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	14
2417MHz	17
2437MHz	19.5
2462MHz	16.5
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	13
2417MHz	16.5
2437MHz	20
2457MHz	18
2462MHz	16
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	11
2437MHz	13
2452MHz	14

For Radio 3

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	20
2417MHz	22
2437MHz	25
2457MHz	21.5
2462MHz	21
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17.5
2417MHz	18.5
2437MHz	23.5
2457MHz	18.5
2462MHz	18
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	19
2437MHz	24
2457MHz	18.5
2462MHz	17.5
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	11
2427MHz	14.5
2437MHz	18.5
2447MHz	17
2452MHz	14

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than VHT20 and VHT40.

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	EUT + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + adapter
2	EUT + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (5GHz) + adapter
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (5GHz) + PoE
Mode 3 generated the worst test result, so it was recorded in this report.	

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
1	Radio 1
2	Radio 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT in Z axis + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + adapter
2	EUT in Y axis + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + adapter
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT in Z axis + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (5GHz) + adapter
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Z axis + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + PoE
Mode 1 generated the worst test result, so it was recorded in this report.	

Operating Mode > 1GHz	CTX
	For Radio 1 The EUT was performed at Y axis and Z axis position and the worst case was found at Z axis for harmonic and the worst case was found at Y axis for bandedge. So the measurement will follow this same test configuration. For Radio 3 The EUT was performed at Y axis and Z axis position and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	Radio 1 (2.4GHz) - EUT in Z axis for harmonic and EUT in Y axis for bandedge
2	Radio 3 (2.4GHz) - EUT in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	EUT in Z axis has been evaluated to be the worst case at Emissions in Restricted Frequency Bands test below 1GHz; thus, the measurement for Radiated Emission Co-location test will follow this same test configuration
1	EUT in Z axis - Radio 1 (2.4GHz) + Radio 2 (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	Radio1 (2.4G) + Radio2 (5G) + Radio3 (2.4G)
2	Radio1 (2.4G) + Radio2 (5G) + Radio3 (5G)
Refer to Sporton Test Report No.: FA641226-21 for Co-location RF Exposure Evaluation.	

Note:
1. The PoE information as below, The PoE is for measurement only and it would not be marketed.

Support Unit	Brand	Model	FCC ID
PoE	Frecom	PGSA34D01-540060	N/A

2. The console port can not be used by end user. It is generally used for debugging by professional installer.

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	APD	WA-24Q12R	INPUT: 100-240V~,50-60Hz, 0.7A Max OUTPUT: 12V, 2A
Others			
US Plug*1			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Flash disk3.0	Transcend	JetFlash-700	N/A
B	LAN0 NB	DELL	E6430	N/A
C	LAN1 NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	2.4G NB	DELL	E6430	N/A
F	2.4/5G NB	DELL	E6430	N/A
G	PoE	Frecom	PGSA34D01-540060	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	Apple	Mac Book	N/A
B	NB	Apple	Mac Book	N/A
C	NB	Apple	Mac Book	N/A
D	NB	DELL	E4300	N/A
E	NB	DELL	E4300	N/A
F	Flash disk	Silicon Power	I-Series	N/A

For Radiated (above 1GHz):

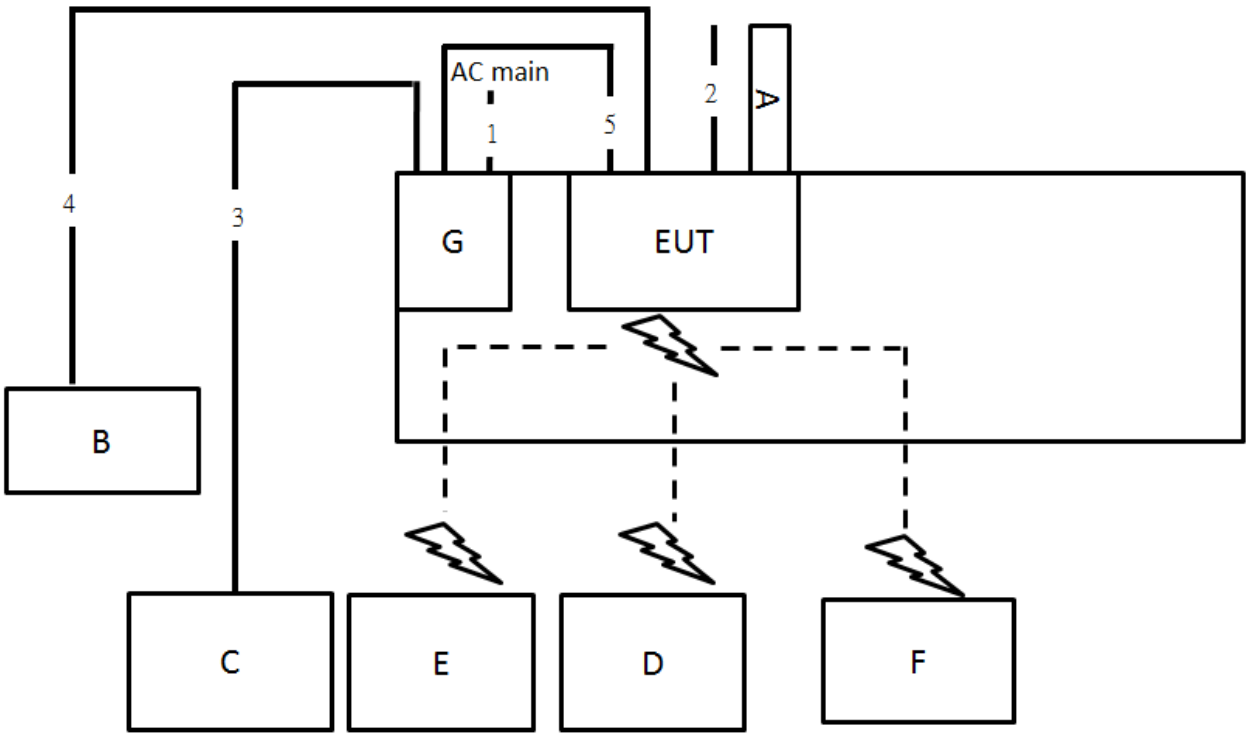
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For RF Conducted:

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

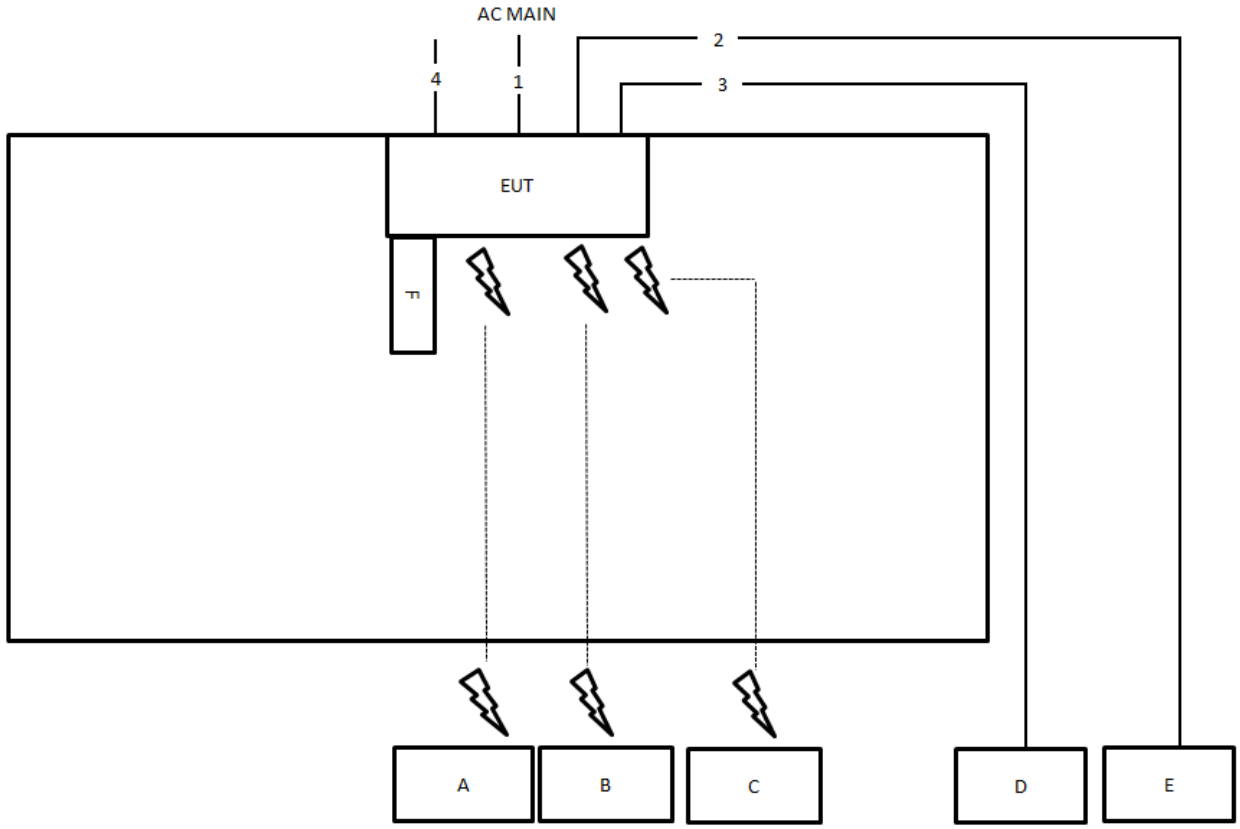
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



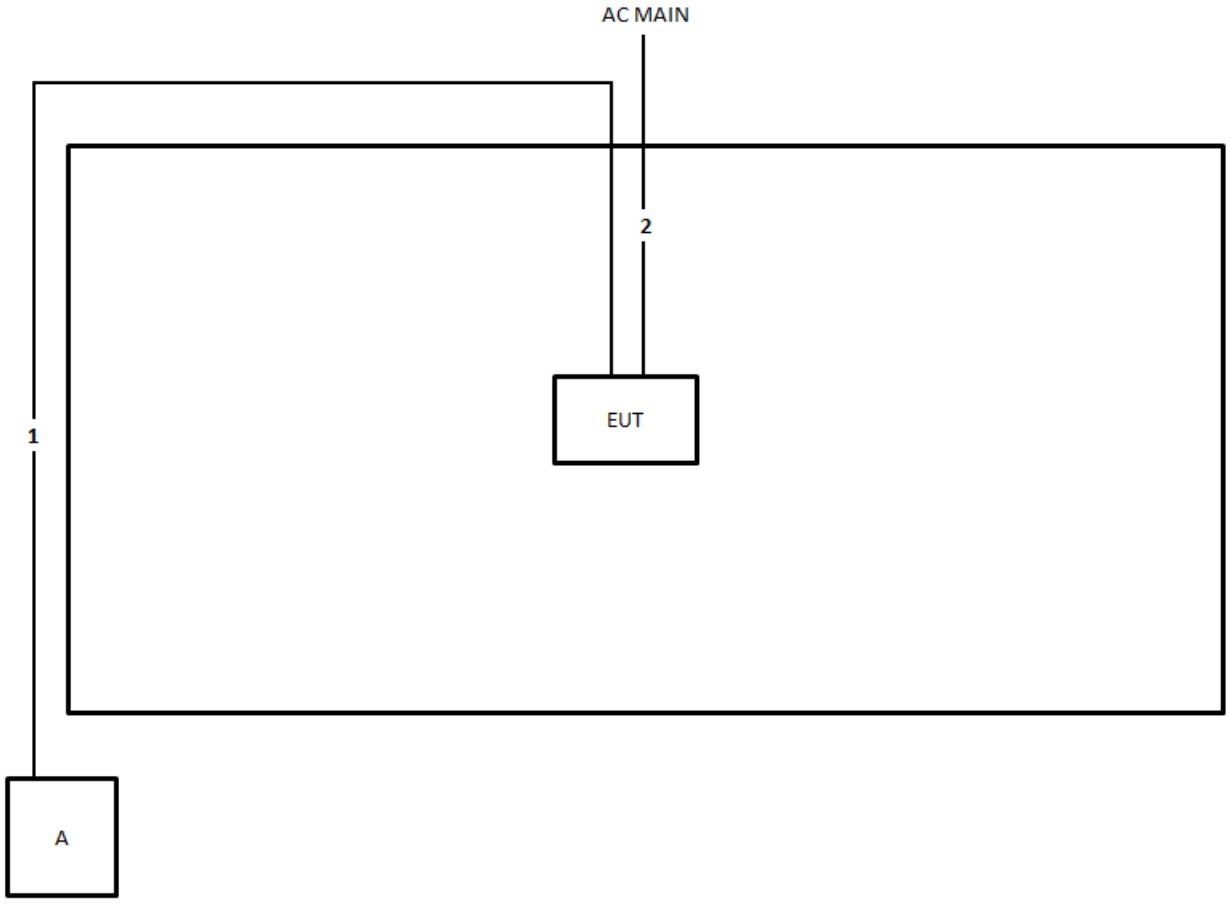
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	Console cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	3m

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	10m
4	Console 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

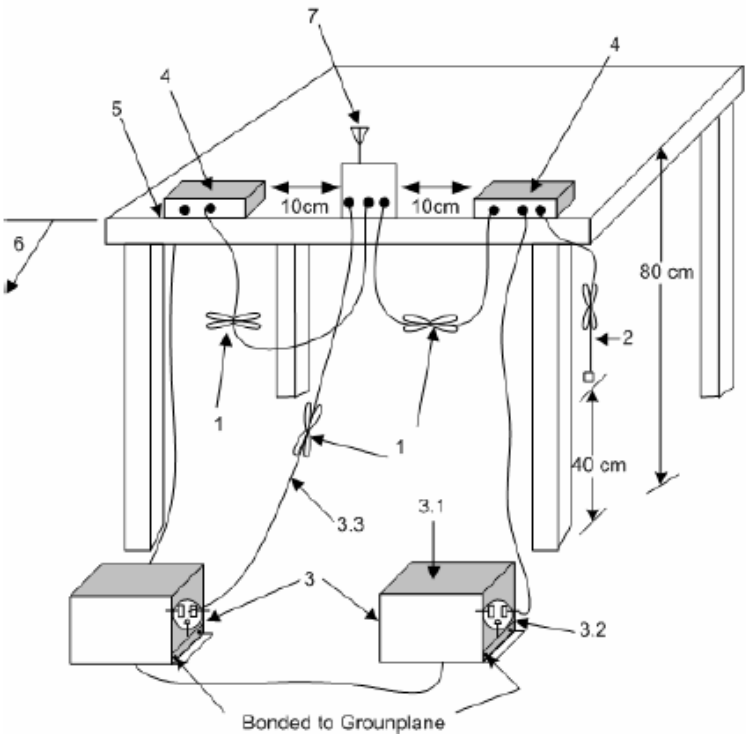
Refer a test equipment and calibration data table in this test report.

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.

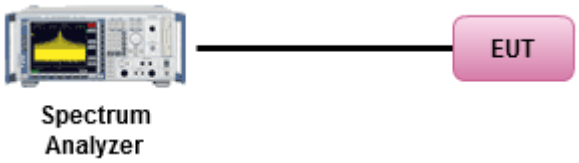
3.2.2 Measuring Instruments

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.		

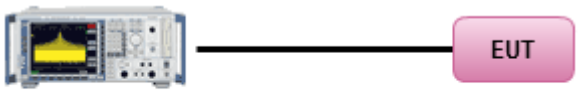
3.3.2 Measuring Instruments

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 (Spectrum Analyzer)
 Spectrum Analyzer

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.

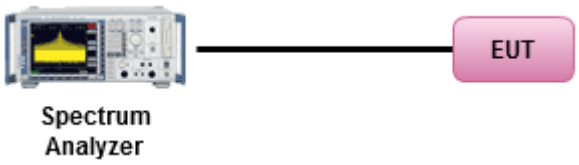
3.4.3 Test Procedures

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 (dBc)**
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.	

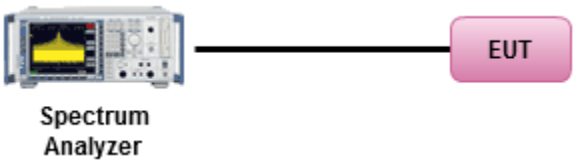
3.5.2 Measuring Instruments

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.

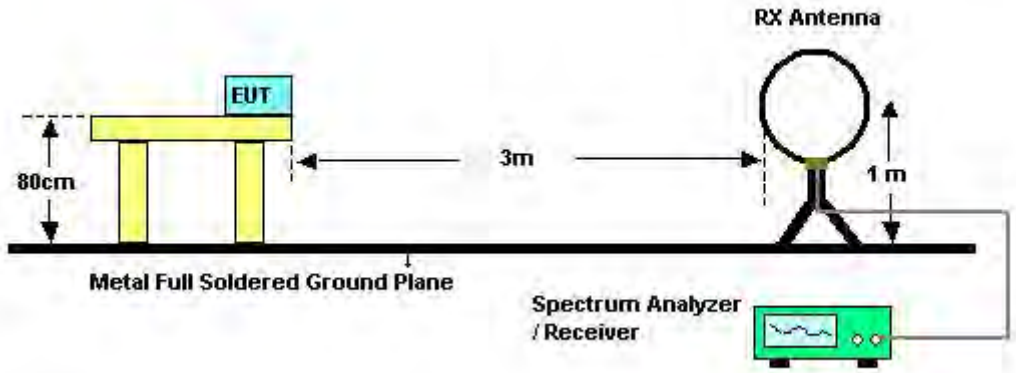
3.6.3 Test Procedures

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.		

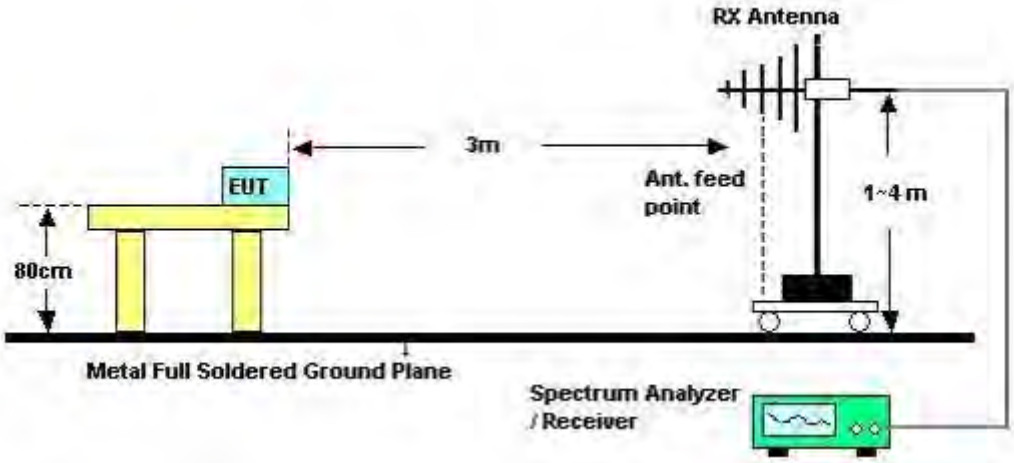
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

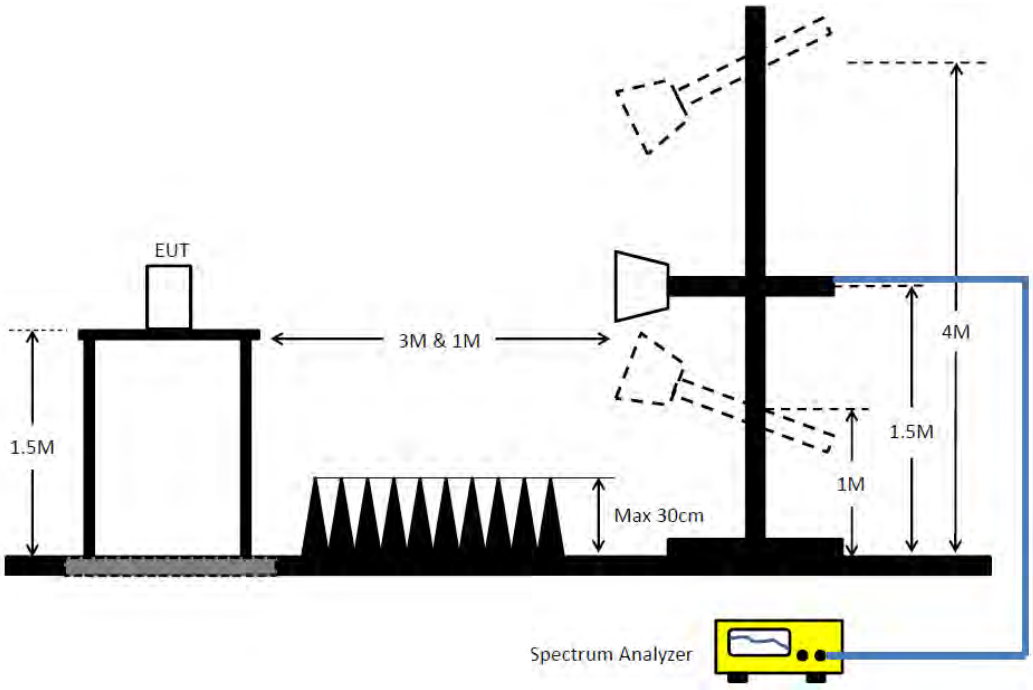
9kHz ~30MHz



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

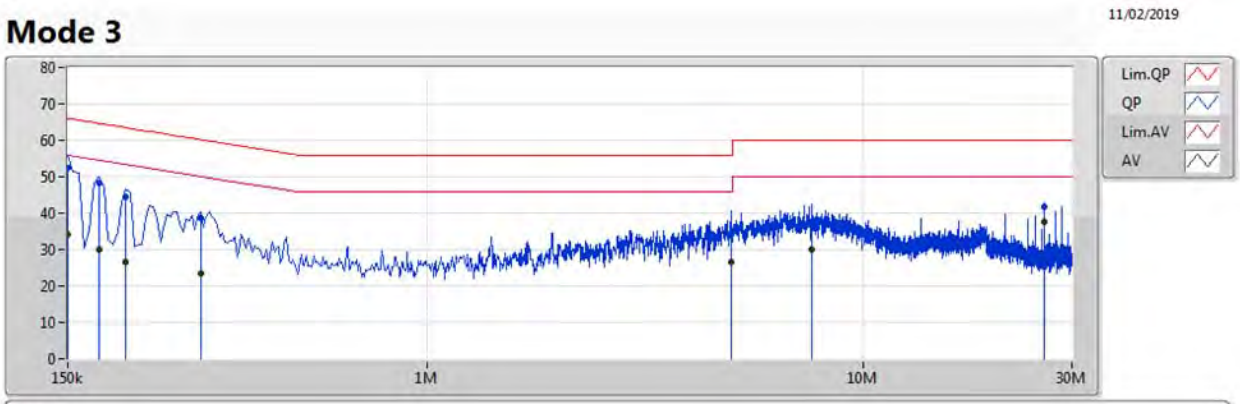
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-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. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	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)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 01, 2018	May 31, 2019	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)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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.

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

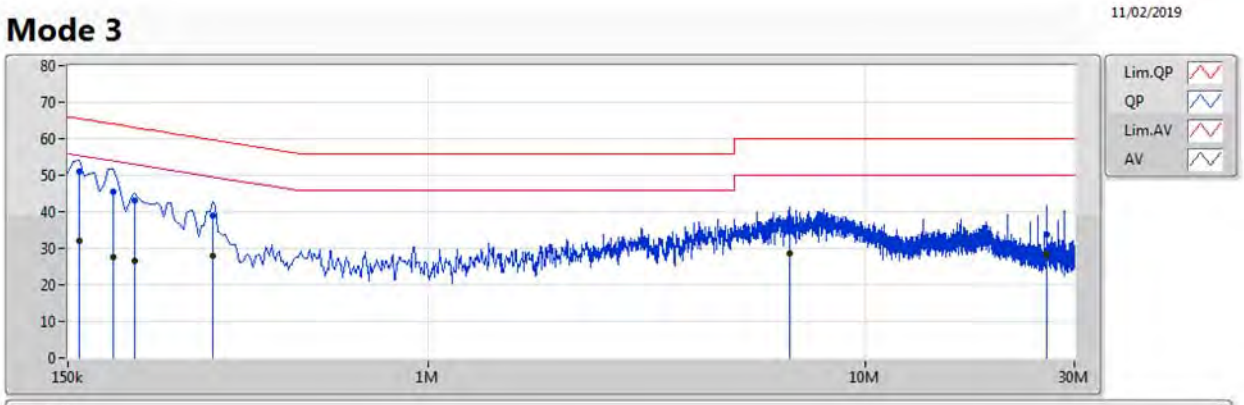
AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	52.53	66.00	-13.47	10.17	Line	-	42.36	0.05	0.02	10.10
AV	150k	33.99	56.00	-22.01	10.17	Line	-	23.82	0.05	0.02	10.10
QP	177k	48.27	64.62	-16.35	10.17	Line	-	38.10	0.05	0.02	10.10
AV	177k	29.85	54.62	-24.77	10.17	Line	-	19.68	0.05	0.02	10.10
QP	204k	44.62	63.44	-18.82	10.17	Line	-	34.45	0.05	0.02	10.10
AV	204k	26.70	53.44	-26.74	10.17	Line	-	16.53	0.05	0.02	10.10
QP	303k	38.63	60.17	-21.54	10.18	Line	-	28.45	0.06	0.02	10.10
AV	303k	23.34	50.17	-26.83	10.18	Line	-	13.16	0.06	0.02	10.10
QP	4.97M	34.43	56.00	-21.57	10.31	Line	-	24.12	0.14	0.07	10.10
AV	4.97M	26.56	46.00	-19.44	10.31	Line	-	16.25	0.14	0.07	10.10
QP	7.589M	37.49	60.00	-22.51	10.36	Line	-	27.13	0.18	0.07	10.11
AV	7.589M	29.89	50.00	-20.11	10.36	Line	-	19.53	0.18	0.07	10.11
QP	25.872M	41.78	60.00	-18.22	10.68	Line	-	31.10	0.35	0.21	10.12
AV	25.872M	37.73	50.00	-12.27	10.68	Line	"Worst"	27.05	0.35	0.21	10.12

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	3	**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	159k	51.01	65.52	-14.51	10.15	Neutral	"Worst"	40.86	0.03	0.02	10.10
AV	159k	32.10	55.52	-23.42	10.15	Neutral	-	21.95	0.03	0.02	10.10
QP	190.5k	45.52	64.01	-18.49	10.15	Neutral	-	35.37	0.03	0.02	10.10
AV	190.5k	27.70	54.01	-26.31	10.15	Neutral	-	17.55	0.03	0.02	10.10
QP	213k	43.05	63.09	-20.04	10.15	Neutral	-	32.90	0.03	0.02	10.10
AV	213k	26.38	53.09	-26.71	10.15	Neutral	-	16.23	0.03	0.02	10.10
QP	321k	38.89	59.67	-20.78	10.16	Neutral	-	28.73	0.04	0.02	10.10
AV	321k	28.09	49.67	-21.58	10.16	Neutral	-	17.93	0.04	0.02	10.10
QP	6.711M	36.26	60.00	-23.74	10.31	Neutral	-	25.95	0.13	0.07	10.11
AV	6.711M	28.70	50.00	-21.30	10.31	Neutral	-	18.39	0.13	0.07	10.11
QP	25.877M	33.70	60.00	-26.30	10.61	Neutral	-	23.09	0.28	0.21	10.12
AV	25.877M	28.37	50.00	-21.63	10.61	Neutral	-	17.76	0.28	0.21	10.12

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.)

For Radio 1
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)_4TX	9.075M	14.268M	14M3G1D	7.125M	12.619M
802.11g_Nss1,(6Mbps)_4TX	16.325M	16.517M	16M5D1D	15.275M	16.342M
VHT20_Nss1,(MCS0)_4TX	17.15M	17.716M	17M7D1D	15.625M	17.566M
VHT40_Nss1,(MCS0)_4TX	36.35M	36.232M	36M2D1D	33.75M	36.032M

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

Result

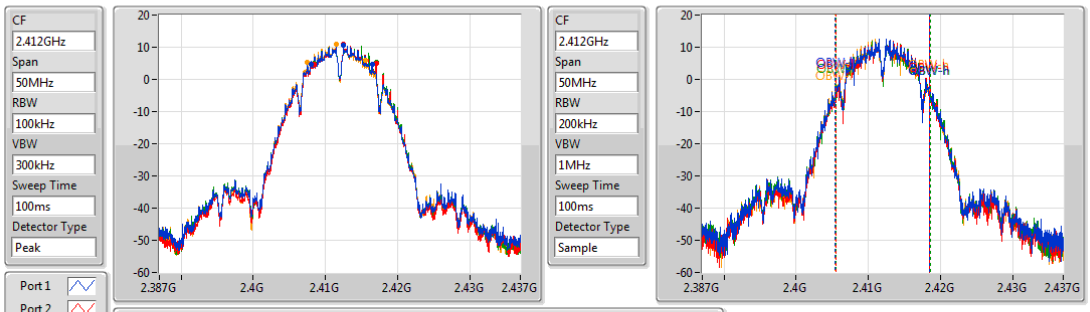
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.5M	13.043M	8.6M	13.018M	8.6M	13.118M	8.075M	13.143M
2437MHz	Pass	500k	9.075M	13.993M	9.025M	13.793M	8.1M	14.268M	8.1M	13.818M
2462MHz	Pass	500k	7.575M	12.944M	7.525M	12.619M	9M	13.043M	7.125M	12.644M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.025M	16.442M	15.9M	16.342M	16.325M	16.417M	16.3M	16.392M
2437MHz	Pass	500k	16.3M	16.492M	15.65M	16.392M	16M	16.517M	16.275M	16.417M
2462MHz	Pass	500k	15.9M	16.442M	15.275M	16.342M	16.025M	16.392M	16.025M	16.367M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.15M	17.616M	15.625M	17.591M	16.9M	17.591M	17.125M	17.616M
2437MHz	Pass	500k	16.525M	17.666M	16.475M	17.616M	16.525M	17.716M	15.65M	17.666M
2462MHz	Pass	500k	16.775M	17.616M	15.9M	17.566M	15.95M	17.566M	16.875M	17.566M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.3M	36.082M	36.35M	36.032M	35M	36.082M	36.35M	36.082M
2437MHz	Pass	500k	35.7M	36.032M	35.3M	36.132M	35.1M	36.082M	35.95M	36.082M
2452MHz	Pass	500k	33.75M	36.032M	36.3M	36.232M	34M	36.132M	35.65M	36.182M

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

802.11b_Nss1,(1Mbps)_4TX **EBW**

2412MHz

09/04/2019

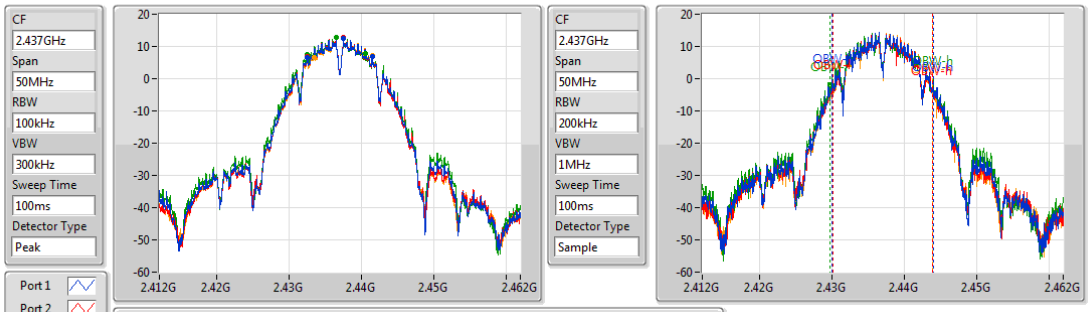


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.5M	2.408G	2.4165G	13.043M	2.405453G	2.418497G	500k	1
8.6M	2.408425G	2.417025G	13.018M	2.405503G	2.418522G	500k	2
8.6M	2.408425G	2.417025G	13.118M	2.405478G	2.418597G	500k	3
8.075M	2.407475G	2.41555G	13.143M	2.405353G	2.418497G	500k	4

802.11b_Nss1,(1Mbps)_4TX **EBW**

2437MHz

09/04/2019

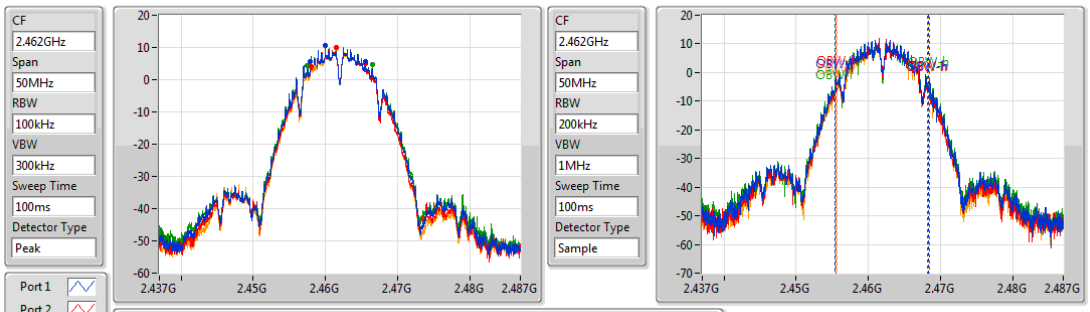


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.075M	2.43245G	2.441525G	13.993M	2.429979G	2.443972G	500k	1
9.025M	2.432475G	2.4415G	13.793M	2.430053G	2.443847G	500k	2
8.1M	2.43245G	2.44055G	14.268M	2.429754G	2.444021G	500k	3
8.1M	2.433425G	2.441525G	13.818M	2.430053G	2.443872G	500k	4

802.11b_Nss1,(1Mbps)_4TX **EBW**

2462MHz

09/04/2019

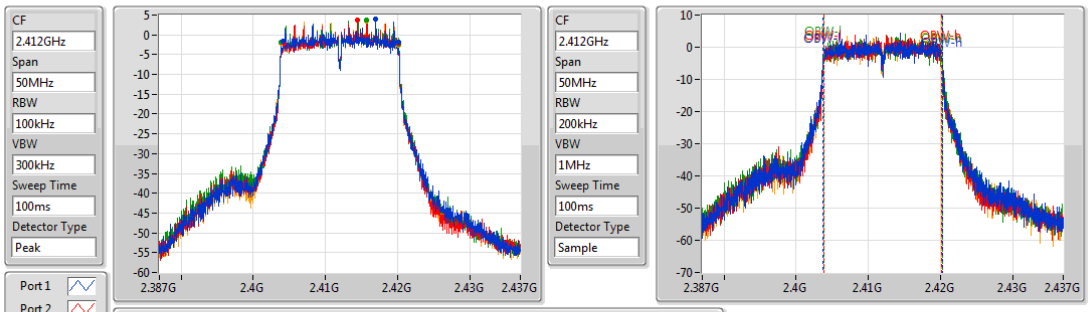


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.575M	2.45795G	2.465525G	12.944M	2.455403G	2.468347G	500k	1
7.525M	2.458G	2.465525G	12.619M	2.455528G	2.468147G	500k	2
9M	2.457475G	2.466475G	13.043M	2.455403G	2.468447G	500k	3
7.125M	2.458425G	2.46555G	12.644M	2.455628G	2.468272G	500k	4

802.11g_Nss1,(6Mbps)_4TX **EBW**

2412MHz

09/04/2019

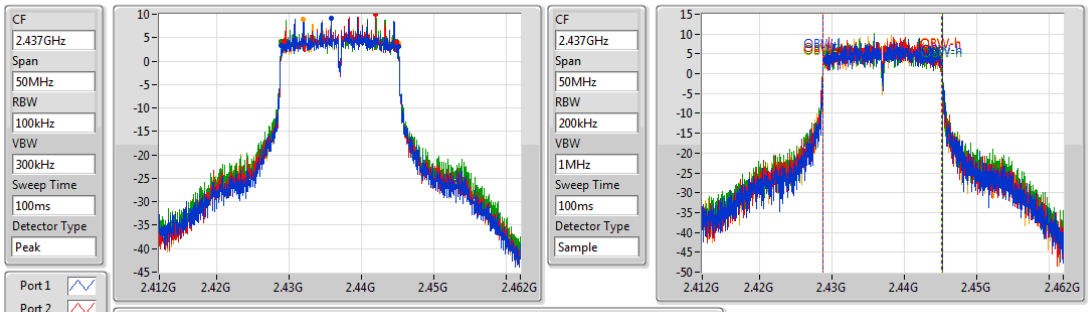


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.4041G	2.420125G	16.442M	2.403779G	2.420221G	500k	1
15.9M	2.404225G	2.420125G	16.342M	2.403829G	2.420171G	500k	2
16.325M	2.40385G	2.420175G	16.417M	2.403804G	2.420221G	500k	3
16.3M	2.40385G	2.42015G	16.392M	2.403804G	2.420196G	500k	4

802.11g_Nss1,(6Mbps)_4TX **EBW**

2437MHz

09/04/2019

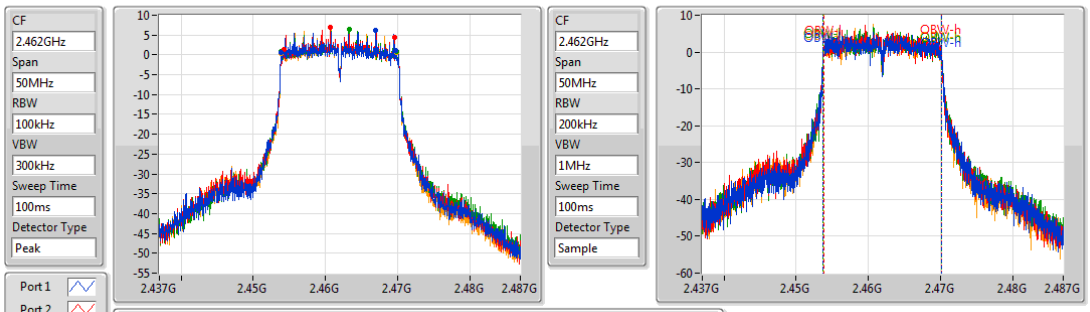


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	16.492M	2.428754G	2.445246G	500k	1
15.65M	2.429225G	2.444875G	16.392M	2.428779G	2.445171G	500k	2
16M	2.42885G	2.44485G	16.517M	2.428729G	2.445246G	500k	3
16.275M	2.428875G	2.44515G	16.417M	2.428779G	2.445196G	500k	4

802.11g_Nss1,(6Mbps)_4TX **EBW**

2462MHz

09/04/2019

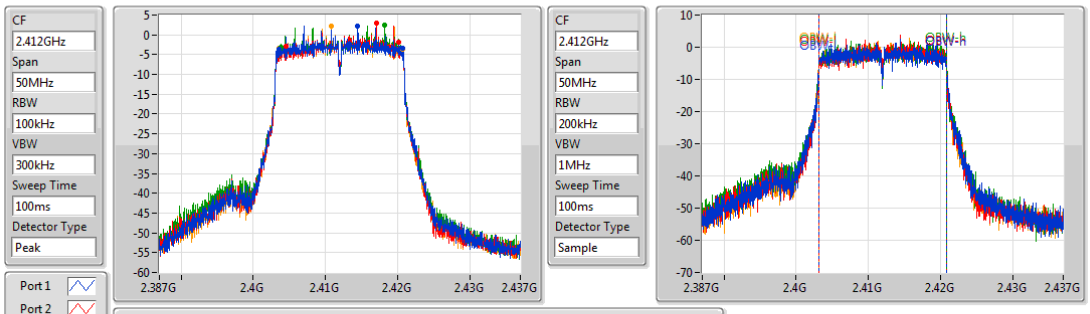


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	2.45385G	2.46975G	16.442M	2.453754G	2.470196G	500k	1
15.275M	2.45425G	2.469525G	16.342M	2.453804G	2.470146G	500k	2
16.025M	2.45385G	2.469875G	16.392M	2.453779G	2.470171G	500k	3
16.025M	2.45385G	2.469875G	16.367M	2.453804G	2.470171G	500k	4

VHT20_Nss1,(MCS0)_4TX **EBW**

2412MHz

09/04/2019

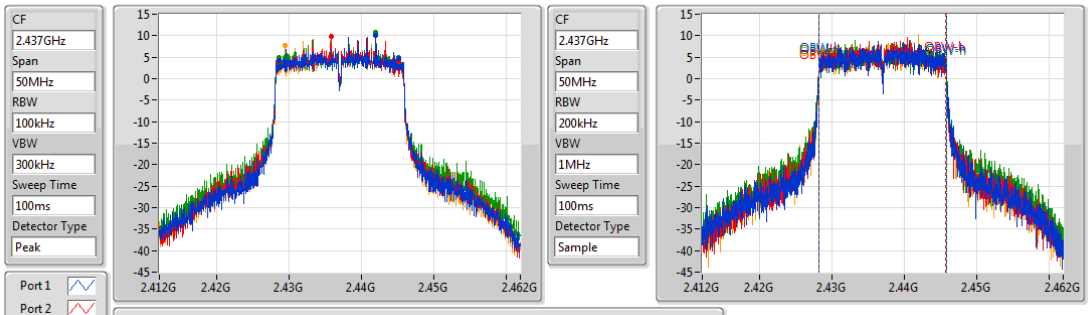


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.4036G	2.42075G	17.616M	2.403179G	2.420796G	500k	1
15.625M	2.4045G	2.420125G	17.591M	2.403204G	2.420796G	500k	2
16.9M	2.40385G	2.42075G	17.591M	2.403204G	2.420796G	500k	3
17.125M	2.403625G	2.42075G	17.616M	2.403179G	2.420796G	500k	4

VHT20_Nss1,(MCS0)_4TX **EBW**

2437MHz

09/04/2019

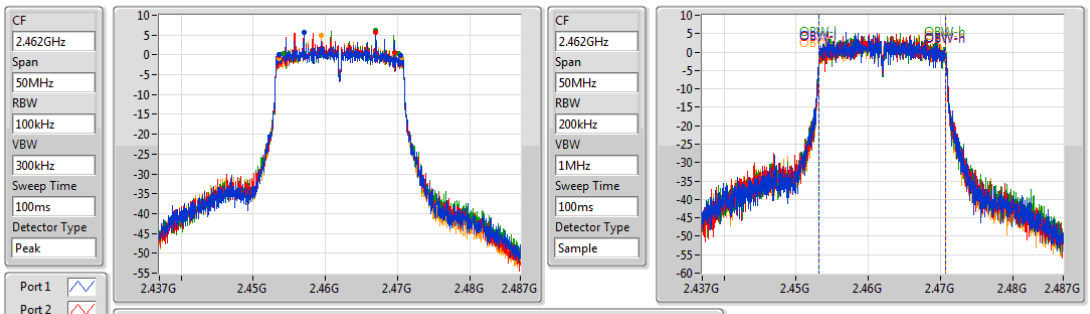


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.4286G	2.445125G	17.666M	2.428154G	2.445821G	500k	1
16.475M	2.428625G	2.4451G	17.616M	2.428154G	2.445771G	500k	2
16.525M	2.4286G	2.445125G	17.716M	2.428129G	2.445846G	500k	3
15.65M	2.429475G	2.445125G	17.666M	2.428154G	2.445821G	500k	4

VHT20_Nss1,(MCS0)_4TX **EBW**

2462MHz

09/04/2019

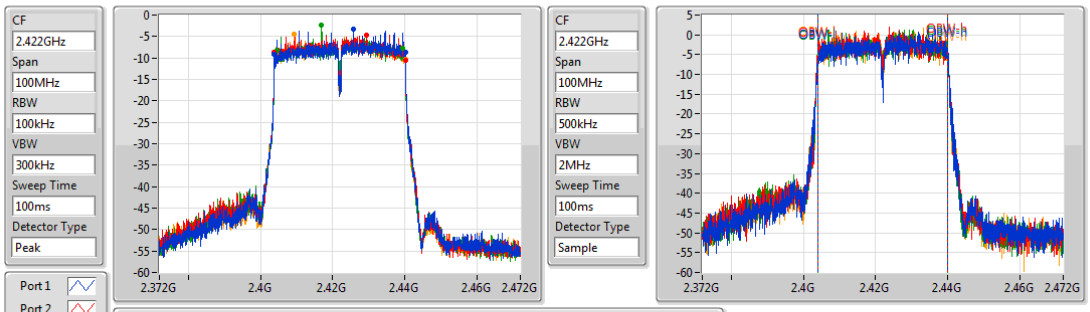


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.775M	2.4536G	2.470375G	17.616M	2.453154G	2.470771G	500k	1
15.9M	2.453625G	2.469525G	17.566M	2.453204G	2.470771G	500k	2
15.95M	2.4542G	2.47015G	17.566M	2.453204G	2.470771G	500k	3
16.875M	2.453625G	2.4705G	17.566M	2.453204G	2.470771G	500k	4

VHT40_Nss1,(MCS0)_4TX **EBW**

2422MHz

09/04/2019

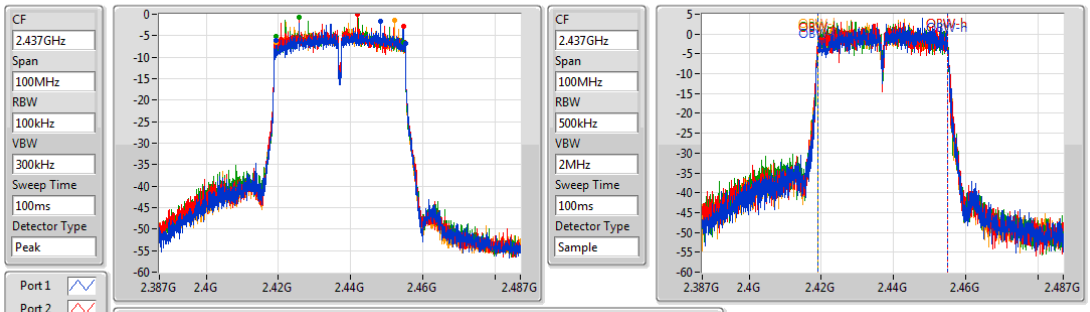


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.40385G	2.44015G	36.082M	2.404009G	2.440091G	500k	1
36.35M	2.40385G	2.4402G	36.032M	2.404009G	2.440041G	500k	2
35M	2.4045G	2.4395G	36.082M	2.403959G	2.440041G	500k	3
36.35M	2.40385G	2.4402G	36.082M	2.403959G	2.440041G	500k	4

VHT40_Nss1,(MCS0)_4TX **EBW**

2437MHz

09/04/2019

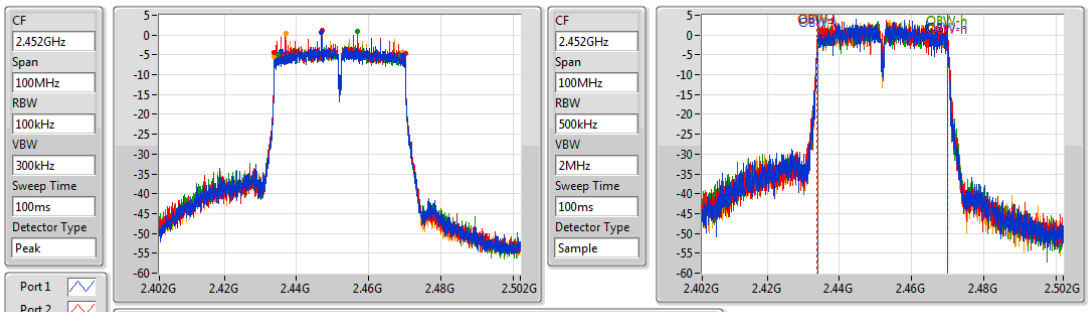


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	2.41945G	2.45515G	36.032M	2.419009G	2.455041G	500k	1
35.3M	2.41925G	2.45455G	36.132M	2.418909G	2.455041G	500k	2
35.1M	2.41945G	2.45455G	36.082M	2.418959G	2.455041G	500k	3
35.95M	2.4192G	2.45515G	36.082M	2.418909G	2.454991G	500k	4

VHT40_Nss1,(MCS0)_4TX **EBW**

2452MHz

09/04/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.75M	2.43575G	2.4695G	36.032M	2.433959G	2.469991G	500k	1
36.3M	2.43385G	2.47015G	36.232M	2.433859G	2.470091G	500k	2
34M	2.4349G	2.4689G	36.132M	2.433909G	2.470041G	500k	3
35.65M	2.43385G	2.4695G	36.182M	2.433909G	2.470091G	500k	4

For Radio 3
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	11.075M	14.743M	14M7G1D	9.575M	13.818M
802.11g_Nss1,(6Mbps)_2TX	16.325M	17.141M	17M1D1D	16.25M	16.417M
VHT20_Nss1,(MCS0)_2TX	17.525M	18.516M	18M5D1D	16.775M	17.641M
VHT40_Nss1,(MCS0)_2TX	36.05M	36.232M	36M2D1D	35.25M	36.082M

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

Result

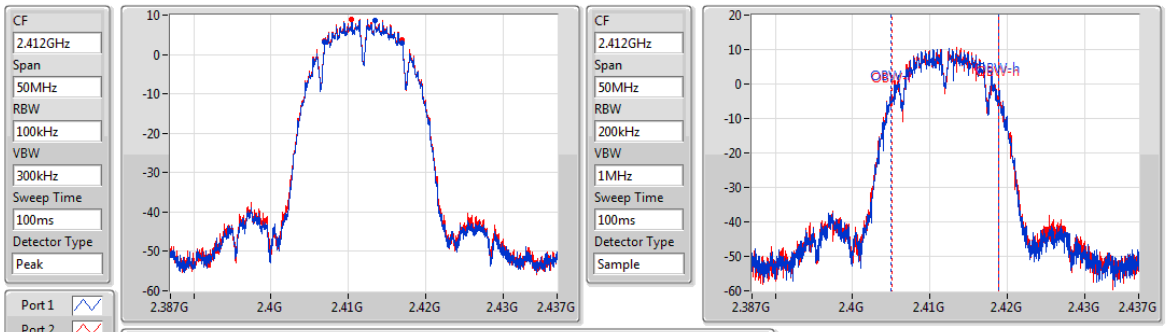
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.05M	13.893M	10.025M	13.843M
2437MHz	Pass	500k	10.075M	14.743M	11.075M	14.693M
2462MHz	Pass	500k	9.575M	13.868M	10.025M	13.818M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.25M	16.467M	16.3M	16.467M
2437MHz	Pass	500k	16.275M	16.917M	16.275M	17.141M
2462MHz	Pass	500k	16.325M	16.417M	16.325M	16.492M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	17.641M	17.275M	17.641M
2437MHz	Pass	500k	16.775M	18.091M	16.9M	18.516M
2462MHz	Pass	500k	17.15M	17.666M	17.125M	17.666M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.35M	36.182M	35.65M	36.182M
2437MHz	Pass	500k	35.25M	36.082M	35.3M	36.182M
2452MHz	Pass	500k	36.05M	36.182M	35.35M	36.232M

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

802.11b_Nss1,(1Mbps)_2TX **EBW**

2412MHz

09/04/2019

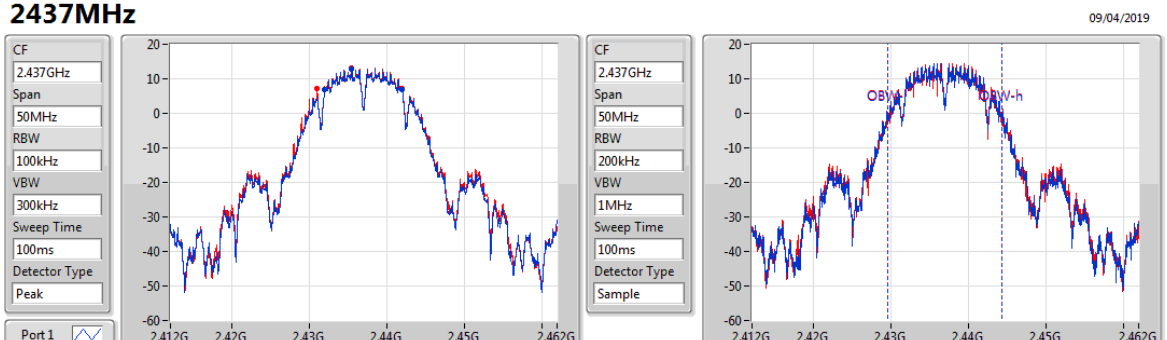


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.40695G	2.417G	13.893M	2.405028G	2.418922G	500k	1
10.025M	2.40695G	2.416975G	13.843M	2.405053G	2.418897G	500k	2

802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

09/04/2019

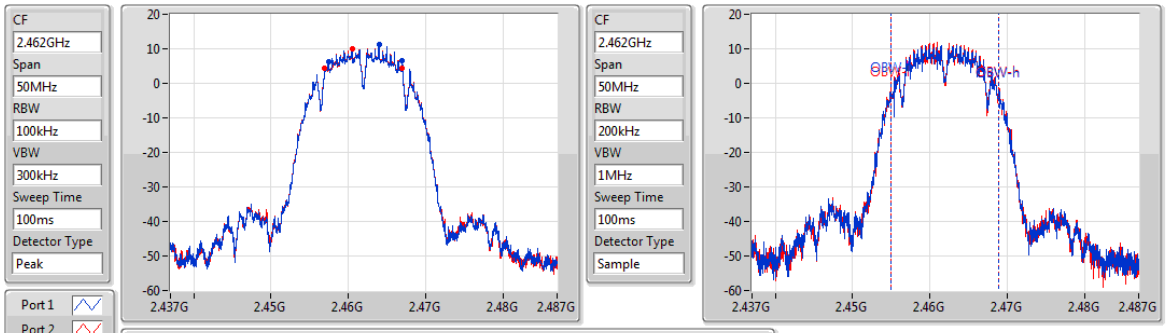


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.075M	2.431925G	2.442G	14.743M	2.429579G	2.444321G	500k	1
11.075M	2.430925G	2.442G	14.693M	2.429604G	2.444296G	500k	2

802.11b_Nss1,(1Mbps)_2TX **EBW**

2462MHz

09/04/2019

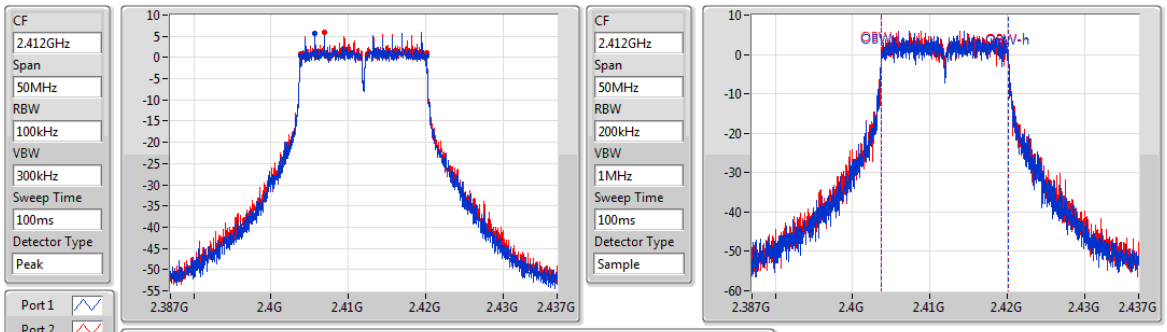


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.575M	2.457425G	2.467G	13.868M	2.455003G	2.468872G	500k	1
10.025M	2.45695G	2.466975G	13.818M	2.455028G	2.468847G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

09/04/2019

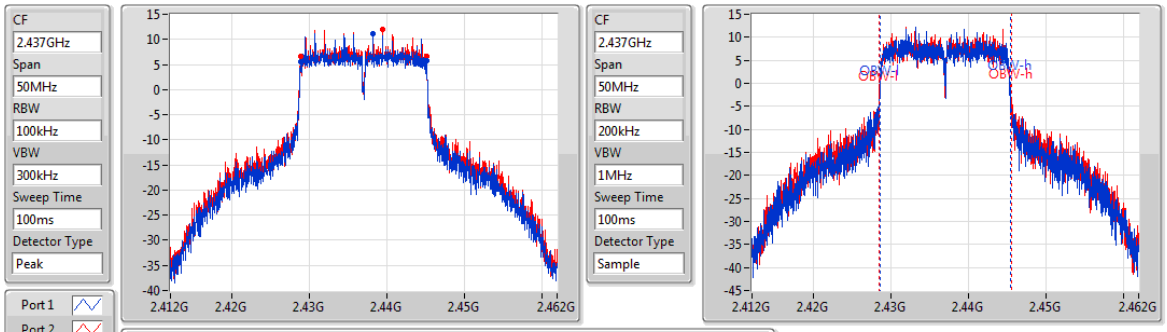


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	2.40385G	2.4201G	16.467M	2.403729G	2.420196G	500k	1
16.3M	2.4038G	2.4201G	16.467M	2.403729G	2.420196G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

09/04/2019

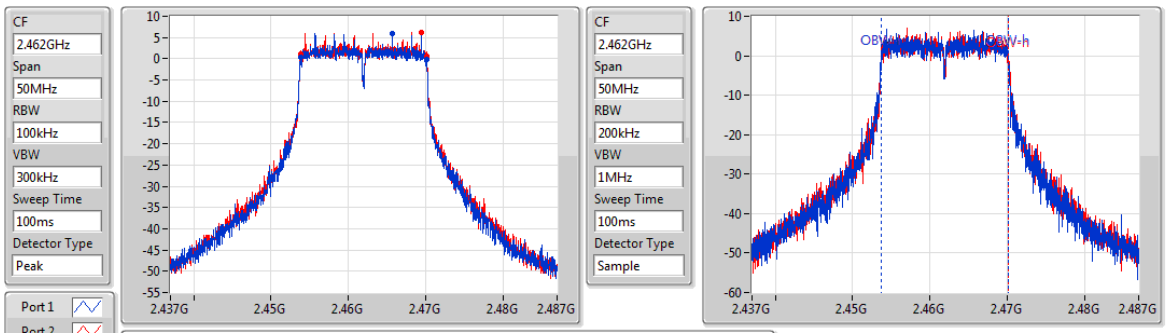


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.428825G	2.4451G	16.917M	2.428529G	2.445446G	500k	1
16.275M	2.428825G	2.4451G	17.141M	2.428479G	2.445621G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

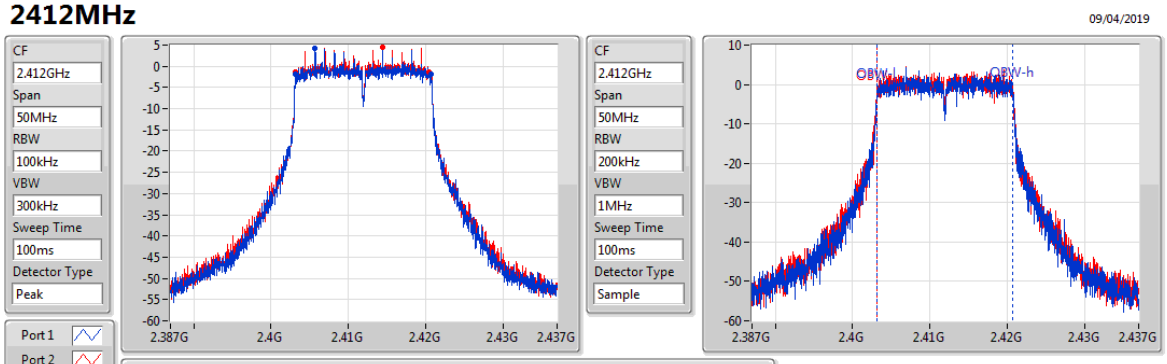
09/04/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4538G	2.470125G	16.417M	2.453729G	2.470146G	500k	1
16.325M	2.4538G	2.470125G	16.492M	2.453704G	2.470196G	500k	2

VHT20_Nss1,(MCS0)_2TX EBW

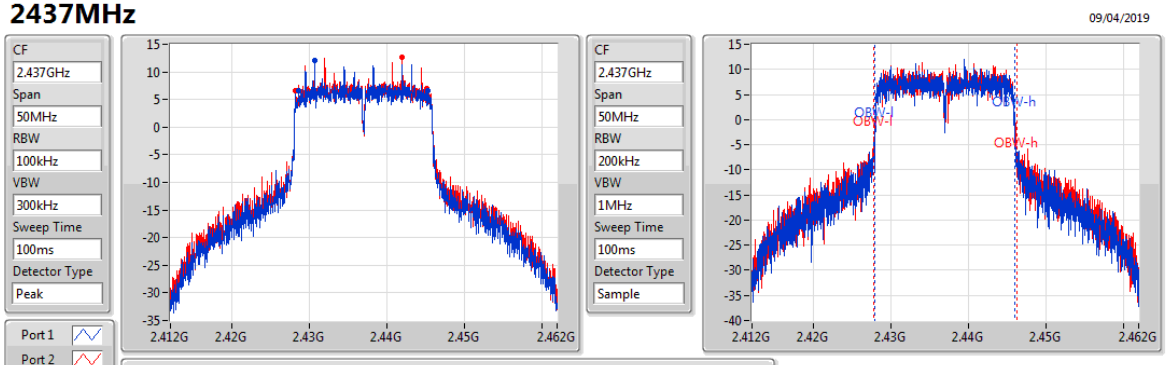
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.4032G	2.420725G	17.641M	2.403129G	2.420771G	500k	1
17.275M	2.4032G	2.420475G	17.641M	2.403129G	2.420771G	500k	2

VHT20_Nss1,(MCS0)_2TX EBW

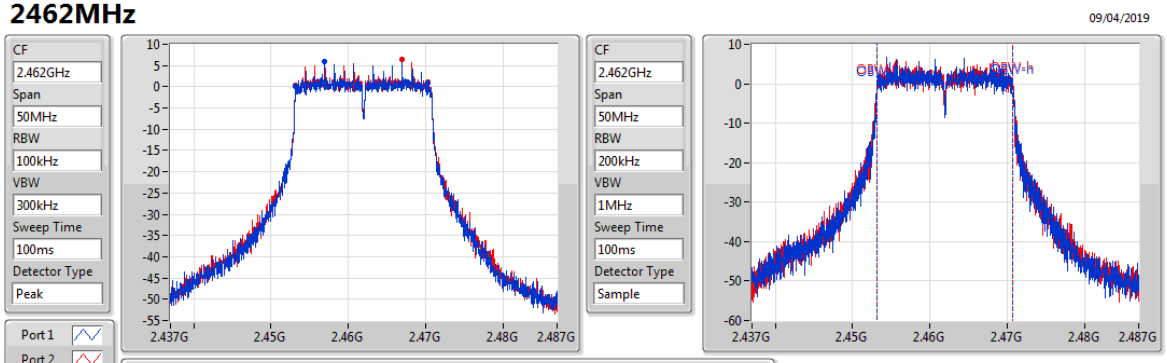
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.775M	2.428575G	2.44535G	18.091M	2.427905G	2.445996G	500k	1
16.9M	2.4282G	2.4451G	18.516M	2.42773G	2.446245G	500k	2

VHT20_Nss1,(MCS0)_2TX EBW

2462MHz

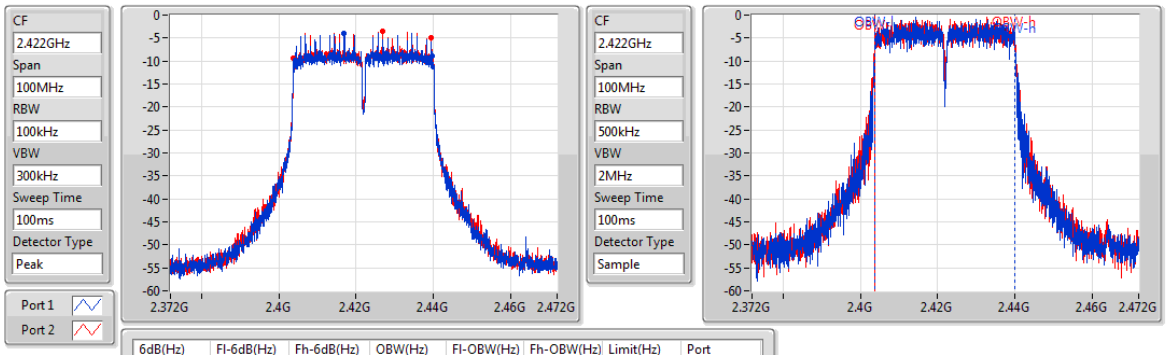


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.4532G	2.47035G	17.666M	2.453104G	2.470771G	500k	1
17.125M	2.4532G	2.470325G	17.666M	2.453104G	2.470771G	500k	2

VHT40_Nss1,(MCS0)_2TX **EBW**

2422MHz

09/04/2019

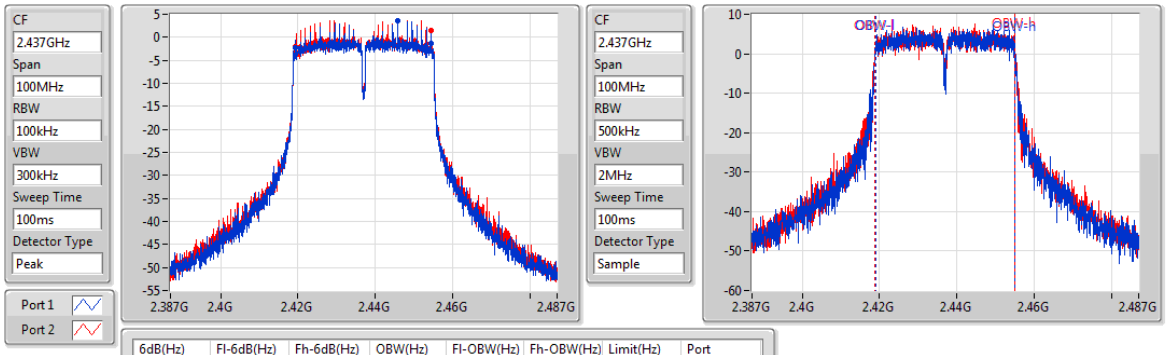


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.35M	2.4042G	2.43955G	36.182M	2.403859G	2.440041G	500k	1
35.65M	2.40385G	2.4395G	36.182M	2.403859G	2.440041G	500k	2

VHT40_Nss1,(MCS0)_2TX **EBW**

2437MHz

09/04/2019

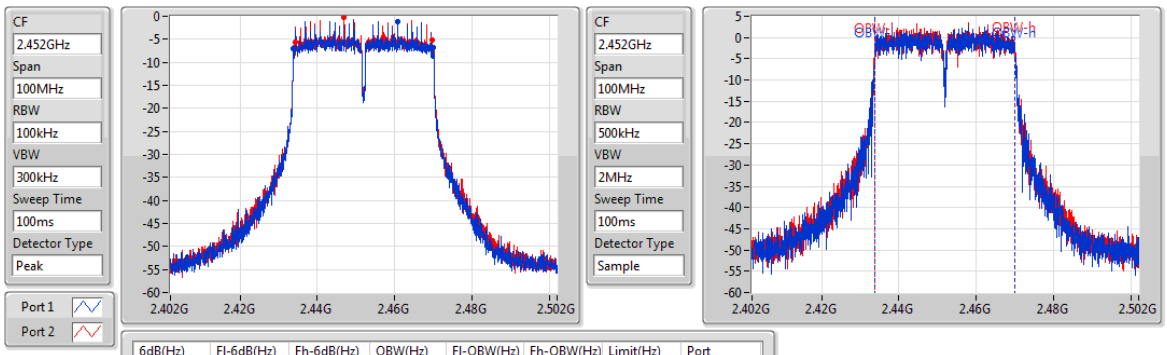


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.25M	2.41925G	2.4545G	36.082M	2.418909G	2.454991G	500k	1
35.3M	2.4192G	2.4545G	36.182M	2.418859G	2.455041G	500k	2

VHT40_Nss1,(MCS0)_2TX **EBW**

2452MHz

09/04/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4338G	2.46985G	36.182M	2.433859G	2.470041G	500k	1
35.35M	2.4342G	2.46955G	36.232M	2.433809G	2.470041G	500k	2

For Radio 1
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	27.27	0.53333
802.11g_Nss1,(6Mbps)_4TX	26.33	0.42954
VHT20_Nss1,(MCS0)_4TX	26.57	0.45394
VHT40_Nss1,(MCS0)_4TX	20.40	0.10965

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.82	20.53	20.58	20.64	20.73	26.64	30.00
2437MHz	Pass	2.82	21.15	21.32	21.43	21.08	27.27	30.00
2457MHz	Pass	2.82	20.43	20.56	19.92	20.64	26.42	30.00
2462MHz	Pass	2.82	19.43	19.40	19.75	19.14	25.46	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.82	14.65	14.75	14.93	14.70	20.78	30.00
2417MHz	Pass	2.82	17.69	17.88	17.88	17.87	23.85	30.00
2437MHz	Pass	2.82	19.99	20.46	20.54	20.21	26.33	30.00
2462MHz	Pass	2.82	16.95	17.38	17.25	17.05	23.18	30.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.82	13.32	13.43	13.73	13.58	19.54	30.00
2417MHz	Pass	2.82	17.02	17.08	17.16	17.13	23.12	30.00
2437MHz	Pass	2.82	20.39	20.61	20.73	20.46	26.57	30.00
2457MHz	Pass	2.82	18.39	18.63	18.08	18.29	24.37	30.00
2462MHz	Pass	2.82	16.19	16.35	16.54	16.35	22.38	30.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.82	11.34	11.66	11.35	11.42	17.47	30.00
2437MHz	Pass	2.82	13.07	13.55	13.47	13.43	19.40	30.00
2452MHz	Pass	2.82	14.13	14.65	14.34	14.38	20.40	30.00

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

For Radio 3
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	27.13	0.51642
802.11g_Nss1,(6Mbps)_2TX	25.61	0.36392
VHT20_Nss1,(MCS0)_2TX	25.79	0.37931
VHT40_Nss1,(MCS0)_2TX	20.88	0.12246

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.32	19.68	20.09	22.90	30.00
2417MHz	Pass	3.32	21.56	21.99	24.79	30.00
2437MHz	Pass	3.32	23.96	24.28	27.13	30.00
2457MHz	Pass	3.32	21.16	21.47	24.33	30.00
2462MHz	Pass	3.32	20.63	20.92	23.79	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.32	17.07	17.50	20.30	30.00
2417MHz	Pass	3.32	18.24	18.55	21.41	30.00
2437MHz	Pass	3.32	22.37	22.82	25.61	30.00
2457MHz	Pass	3.32	18.19	18.66	21.44	30.00
2462MHz	Pass	3.32	17.74	17.92	20.84	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.32	15.53	15.99	18.78	30.00
2417MHz	Pass	3.32	18.61	18.98	21.81	30.00
2437MHz	Pass	3.32	22.70	22.85	25.79	30.00
2457MHz	Pass	3.32	18.16	17.59	20.89	30.00
2462MHz	Pass	3.32	17.03	17.40	20.23	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.32	10.32	10.74	13.55	30.00
2427MHz	Pass	3.32	13.92	14.25	17.10	30.00
2437MHz	Pass	3.32	17.76	17.98	20.88	30.00
2447MHz	Pass	3.32	16.26	16.66	19.47	30.00
2452MHz	Pass	3.32	13.37	13.72	16.56	30.00

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

For Radio 1
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-1.00
802.11g_Nss1,(6Mbps)_4TX	-2.25
VHT20_Nss1,(MCS0)_4TX	-2.14
VHT40_Nss1,(MCS0)_4TX	-10.85

RBW=3kHz.

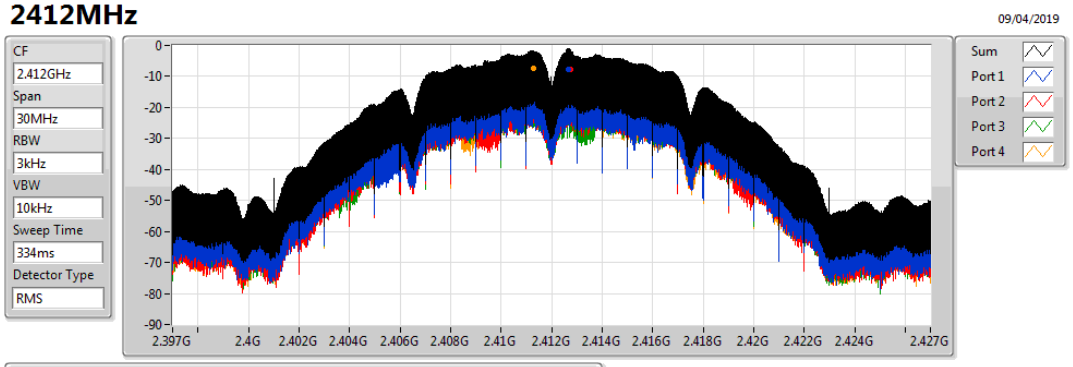
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.84	-7.67	-7.59	-7.64	-7.49	-1.79	5.16
2437MHz	Pass	8.84	-7.04	-6.77	-6.87	-6.82	-1.00	5.16
2462MHz	Pass	8.84	-8.69	-8.33	-8.35	-8.62	-2.50	5.16
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.84	-13.07	-12.67	-10.24	-13.47	-7.61	5.16
2437MHz	Pass	8.84	-7.63	-6.65	-7.66	-7.03	-2.25	5.16
2462MHz	Pass	8.84	-10.50	-10.66	-8.71	-10.70	-5.31	5.16
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.84	-13.32	-12.92	-13.95	-14.15	-9.10	5.16
2437MHz	Pass	8.84	-5.69	-6.31	-7.10	-7.65	-2.14	5.16
2462MHz	Pass	8.84	-11.66	-10.54	-11.12	-11.08	-6.25	5.16
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.84	-18.09	-18.14	-15.15	-17.81	-13.17	5.16
2437MHz	Pass	8.84	-16.09	-16.56	-16.48	-16.36	-11.50	5.16
2452MHz	Pass	8.84	-15.94	-15.66	-16.25	-15.56	-10.85	5.16

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)_4TX **PSD**

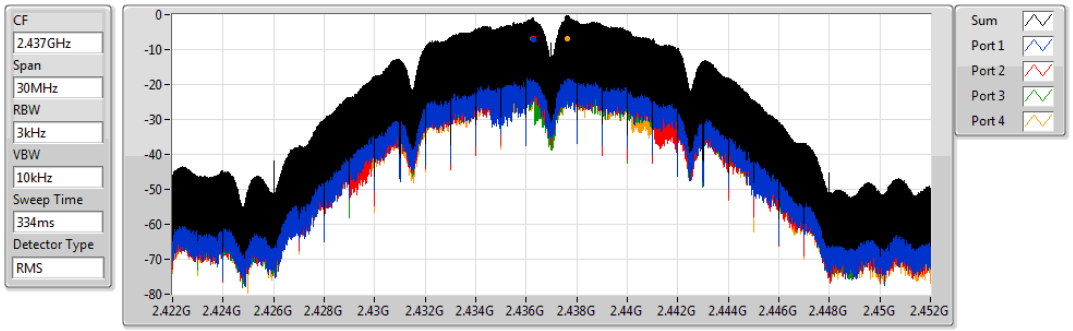
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.79	-1.79	-7.67	-7.59	-7.64	-7.49

802.11b_Nss1,(1Mbps)_4TX **PSD**

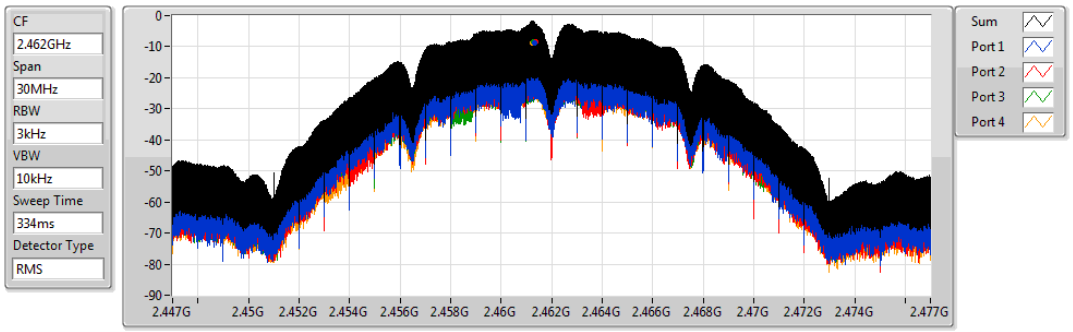
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.00	-1.00	-7.04	-6.77	-6.87	-6.82

802.11b_Nss1,(1Mbps)_4TX **PSD**

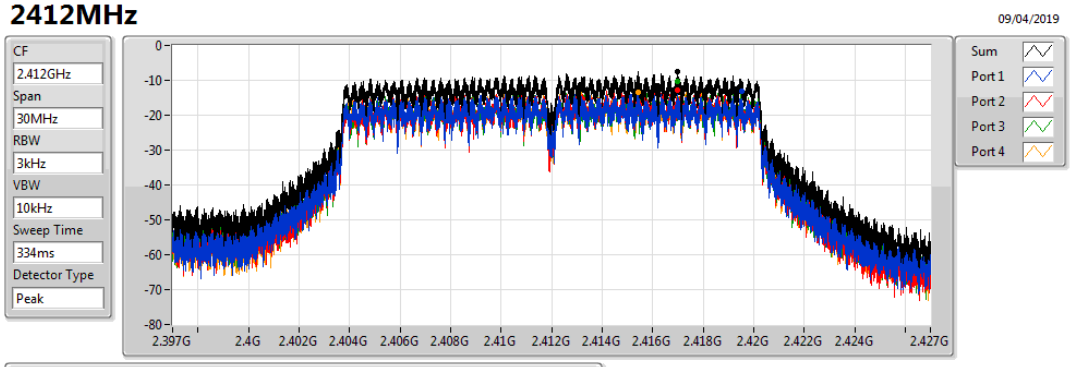
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.50	-2.50	-8.69	-8.33	-8.35	-8.62

802.11g_Nss1,(6Mbps)_4TX PSD

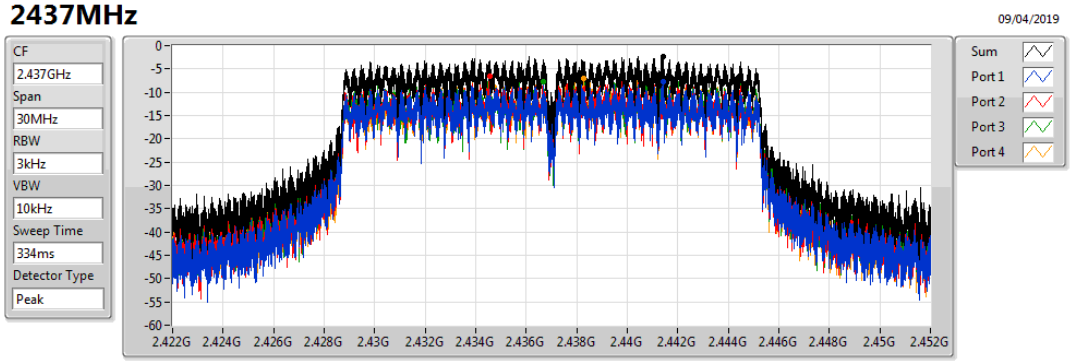
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.61	-7.61	-13.07	-12.67	-10.24	-13.47

802.11g_Nss1,(6Mbps)_4TX PSD

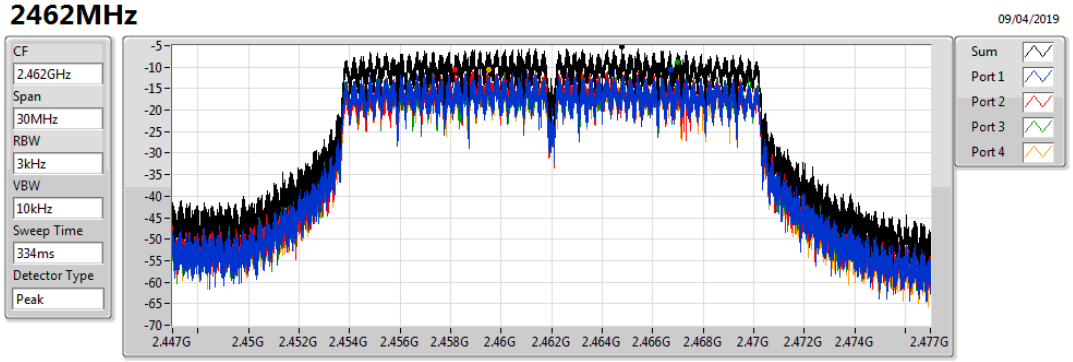
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.25	-2.25	-7.63	-6.65	-7.66	-7.03

802.11g_Nss1,(6Mbps)_4TX PSD

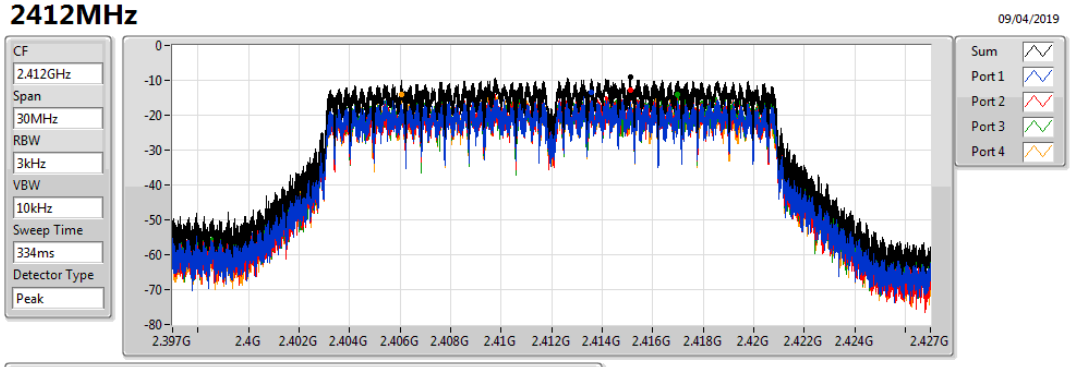
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.31	-5.31	-10.50	-10.66	-8.71	-10.70

VHT20_Nss1,(MCS0)_4TX **PSD**

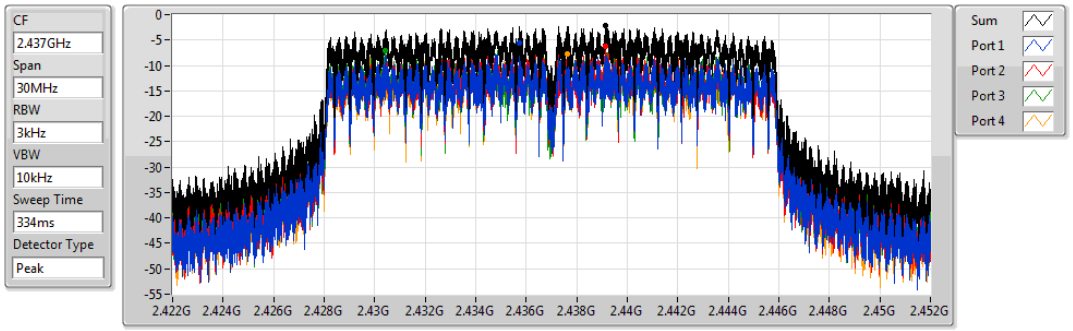
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.10	-9.10	-13.32	-12.92	-13.95	-14.15

VHT20_Nss1,(MCS0)_4TX **PSD**

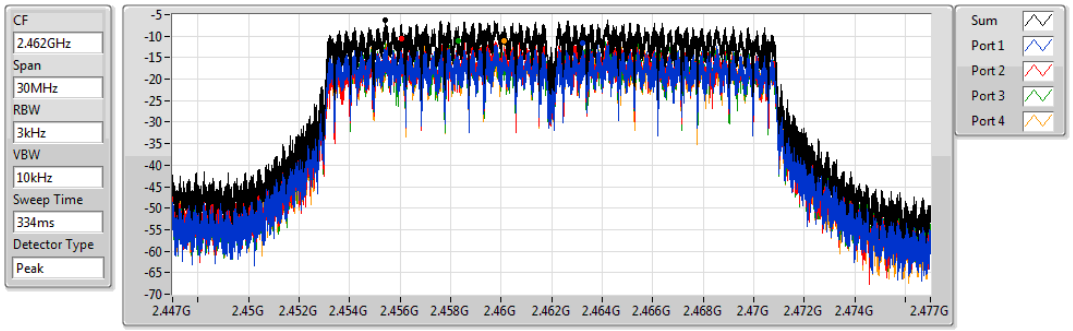
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.14	-2.14	-5.69	-6.31	-7.10	-7.65

VHT20_Nss1,(MCS0)_4TX **PSD**

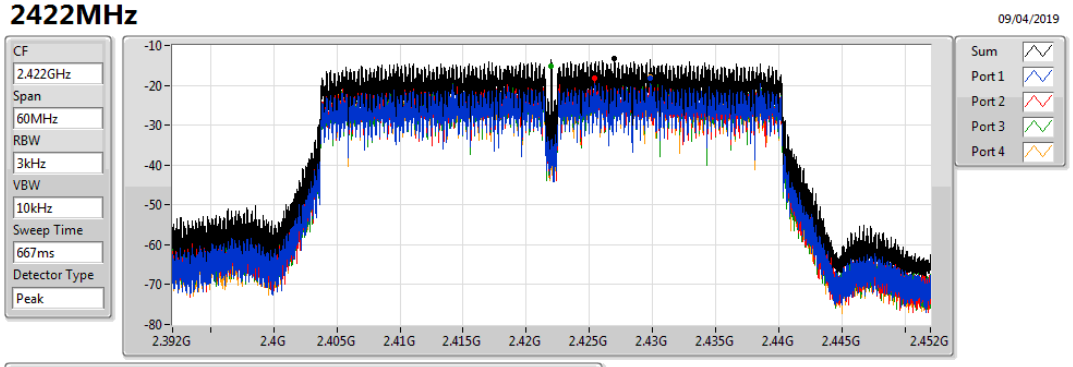
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.25	-6.25	-11.66	-10.54	-11.12	-11.08

VHT40_Nss1,(MCS0)_4TX PSD

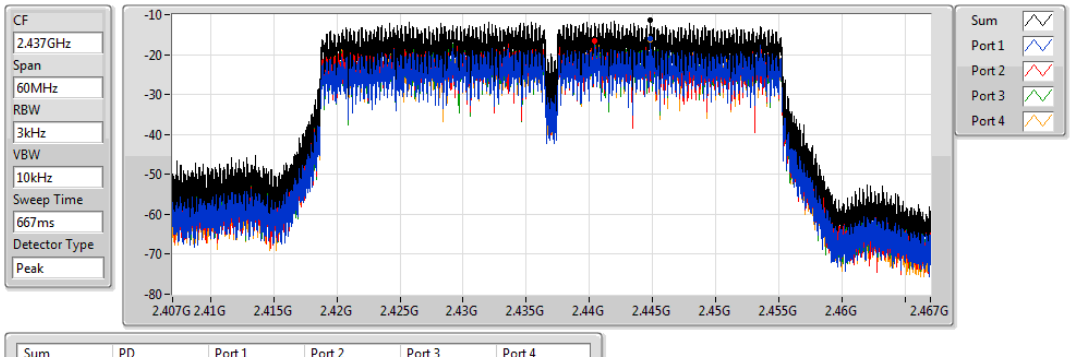
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.17	-13.17	-18.09	-18.14	-15.15	-17.81

VHT40_Nss1,(MCS0)_4TX PSD

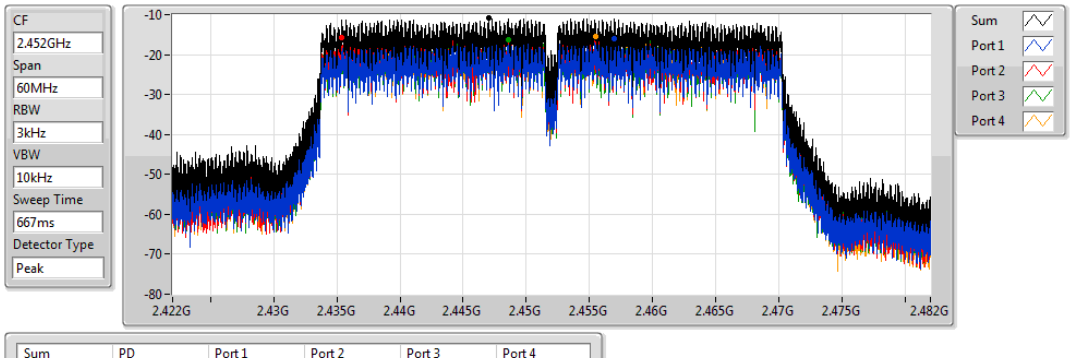
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.50	-11.50	-16.09	-16.56	-16.48	-16.36

VHT40_Nss1,(MCS0)_4TX PSD

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.85	-10.85	-15.94	-15.66	-16.25	-15.56

For Radio 3
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.20
802.11g_Nss1,(6Mbps)_2TX	-3.03
VHT20_Nss1,(MCS0)_2TX	-2.42
VHT40_Nss1,(MCS0)_2TX	-8.88

RBW=3kHz.

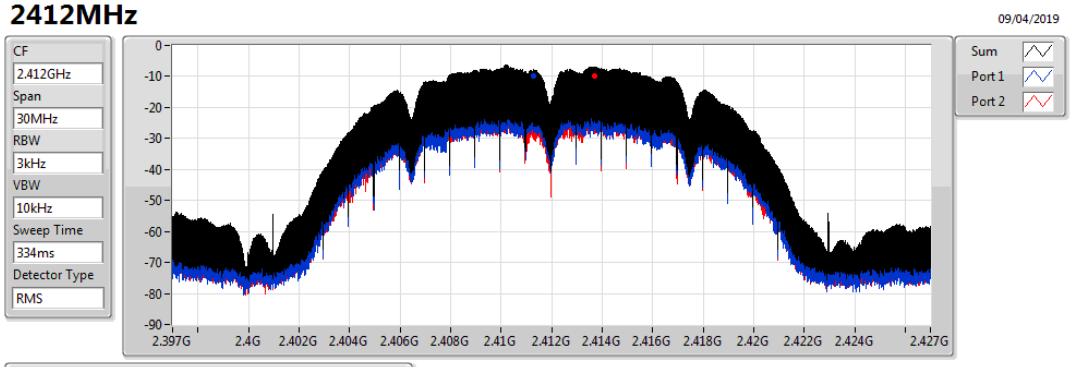
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-9.70	-9.72	-6.98	7.67
2437MHz	Pass	6.33	-6.20	-5.70	-3.20	7.67
2462MHz	Pass	6.33	-8.61	-8.34	-5.53	7.67
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-10.86	-10.95	-8.99	7.67
2437MHz	Pass	6.33	-5.89	-5.03	-3.03	7.67
2462MHz	Pass	6.33	-9.22	-10.25	-8.17	7.67
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-11.25	-11.51	-9.29	7.67
2437MHz	Pass	6.33	-3.85	-3.82	-2.42	7.67
2462MHz	Pass	6.33	-8.72	-9.44	-7.62	7.67
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.33	-19.15	-19.04	-16.76	7.67
2437MHz	Pass	6.33	-12.12	-11.39	-8.88	7.67
2452MHz	Pass	6.33	-16.26	-15.61	-14.11	7.67

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

802.11b_Nss1,(1Mbps)_2TX **PSD**

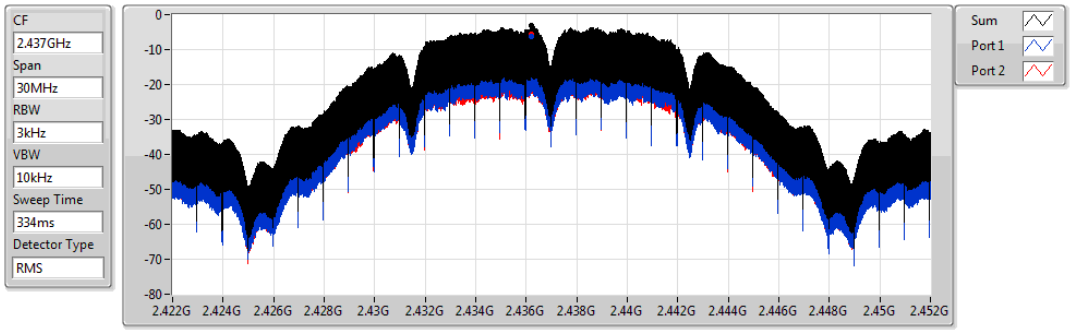
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.98	-6.98	-9.70	-9.72

802.11b_Nss1,(1Mbps)_2TX **PSD**

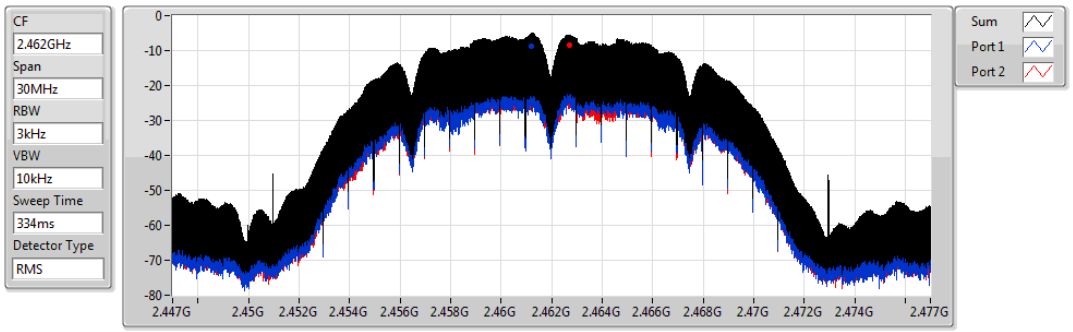
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.20	-3.20	-6.20	-5.70

802.11b_Nss1,(1Mbps)_2TX **PSD**

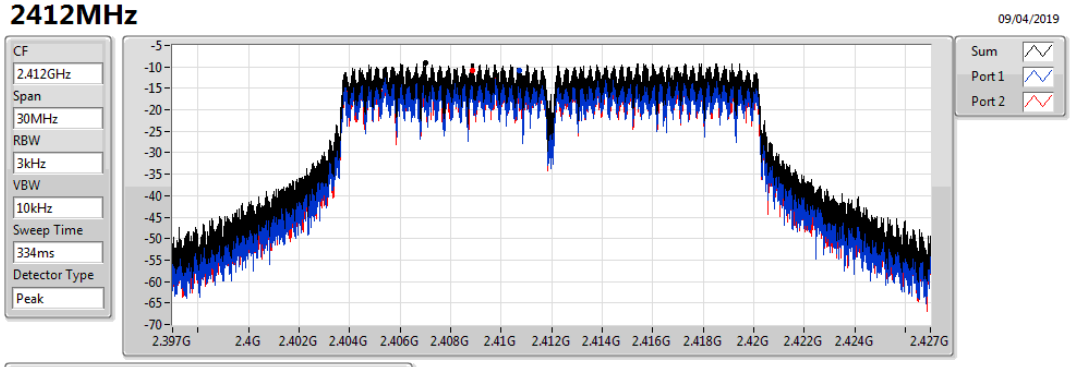
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.53	-5.53	-8.61	-8.34

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

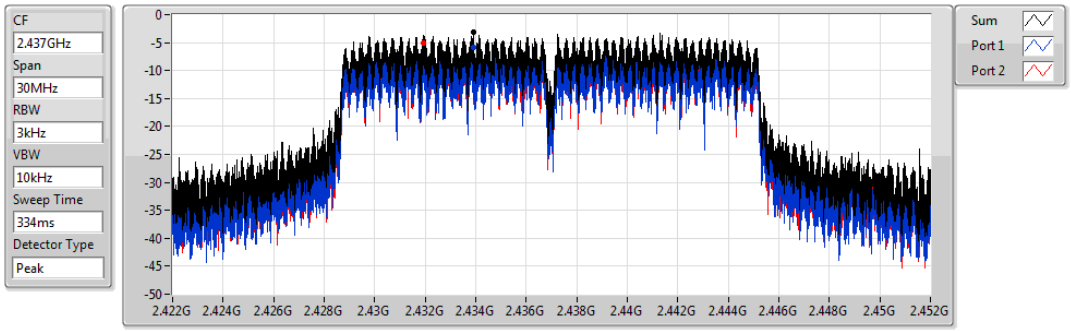
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.99	-8.99	-10.86	-10.95

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

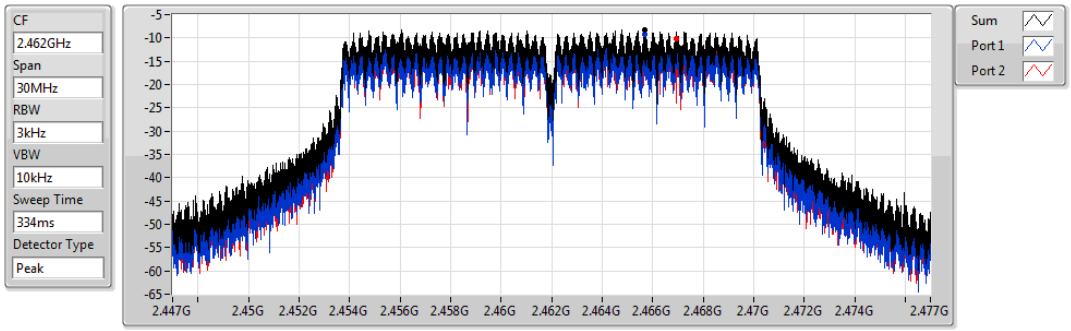
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.03	-3.03	-5.89	-5.03

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

2462MHz

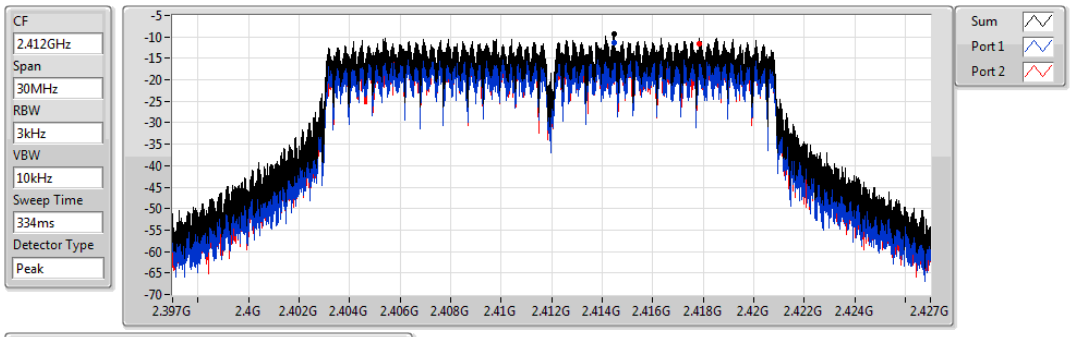


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.17	-8.17	-9.22	-10.25

VHT20_Nss1,(MCS0)_2TX **PSD**

2412MHz

09/04/2019

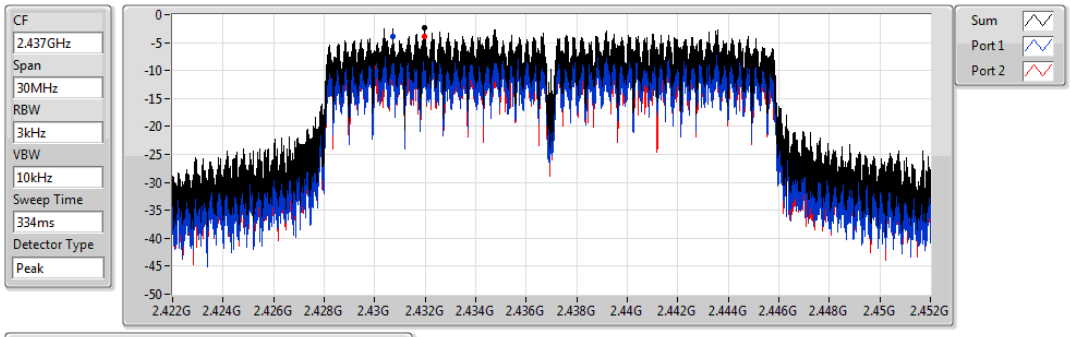


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.29	-9.29	-11.25	-11.51

VHT20_Nss1,(MCS0)_2TX **PSD**

2437MHz

09/04/2019

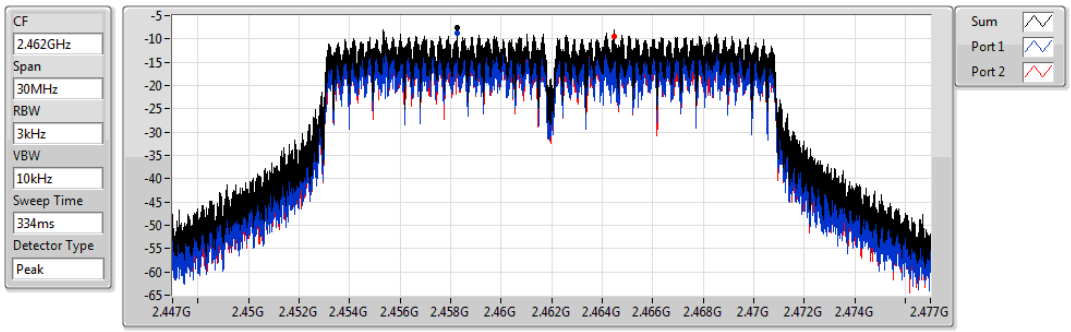


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.42	-2.42	-3.85	-3.82

VHT20_Nss1,(MCS0)_2TX **PSD**

2462MHz

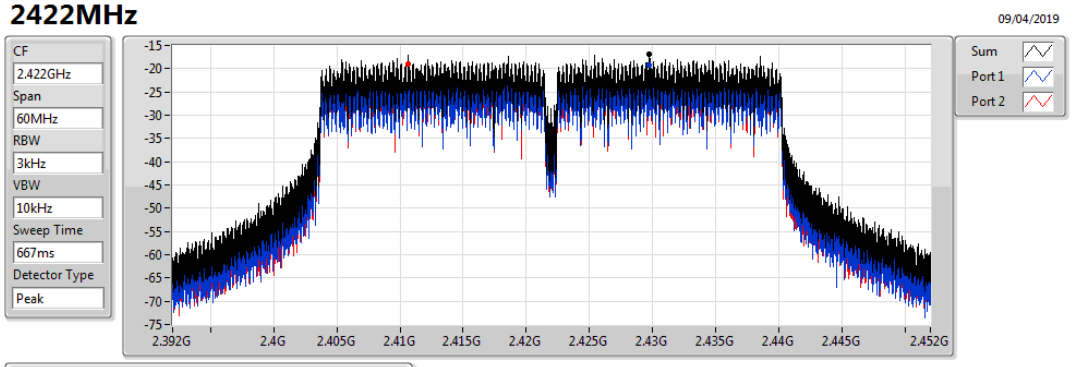
09/04/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.62	-7.62	-8.72	-9.44

VHT40_Nss1,(MCS0)_2TX **PSD**

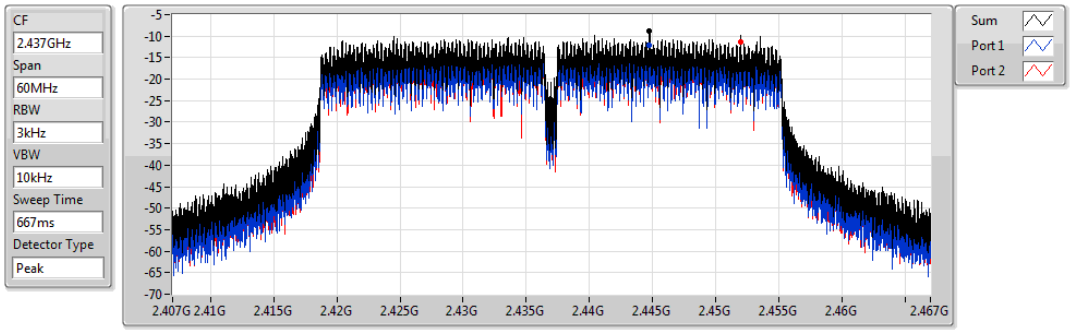
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.76	-16.76	-19.15	-19.04

VHT40_Nss1,(MCS0)_2TX **PSD**

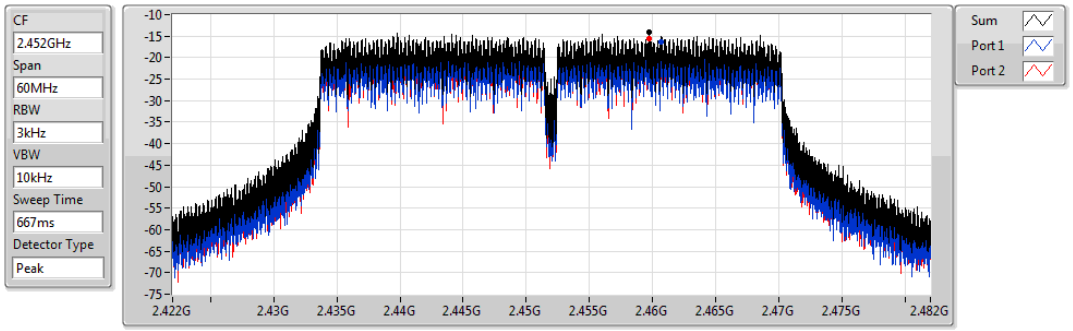
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.88	-8.88	-12.12	-11.39

VHT40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.11	-14.11	-16.26	-15.61

For Radio 1
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)_4TX	Pass	2.43599G	13.48	-16.52	2.30204G	-43.04	2.39752G	-30.78	2.50644G	-42.40	16.55726G	-34.41	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43824G	9.22	-20.78	1.79061G	-43.83	2.3935G	-42.46	2.51822G	-41.87	16.84103G	-33.08	2
VHT20_Nss1,(MCS0)_4TX	Pass	2.43202G	9.62	-20.38	855.69M	-42.12	2.39918G	-36.81	2.4879G	-41.78	17.61928G	-32.98	2
VHT40_Nss1,(MCS0)_4TX	Pass	2.45202G	-0.78	-30.78	337.72M	-43.41	2.39892G	-40.53	2.55298G	-43.06	17.65485G	-32.36	3

Result

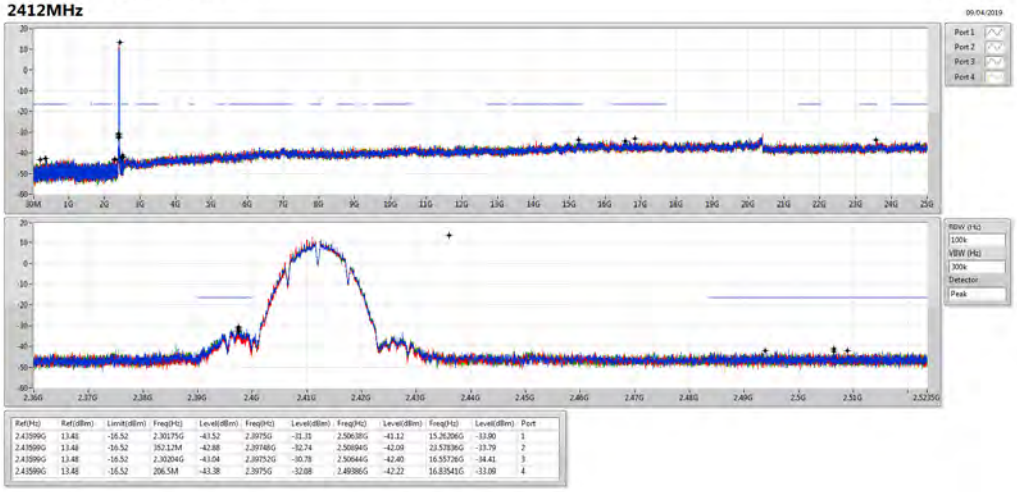
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	13.48	-16.52	2.30175G	-43.52	2.3975G	-31.31	2.50638G	-41.12	15.26206G	-33.90	1
2412MHz	Pass	2.43599G	13.48	-16.52	352.12M	-42.88	2.39748G	-32.74	2.50894G	-42.09	23.57836G	-33.79	2
2412MHz	Pass	2.43599G	13.48	-16.52	2.30204G	-43.04	2.39752G	-30.78	2.50644G	-42.40	16.55726G	-34.41	3
2412MHz	Pass	2.43599G	13.48	-16.52	206.5M	-43.38	2.3975G	-32.08	2.49386G	-42.22	16.83541G	-33.09	4
2437MHz	Pass	2.43599G	13.48	-16.52	1.98866G	-43.55	2.39966G	-42.55	2.48592G	-42.41	17.61928G	-33.92	1
2437MHz	Pass	2.43599G	13.48	-16.52	2.11564G	-42.65	2.3907G	-42.00	2.4889G	-42.33	16.83822G	-33.84	2
2437MHz	Pass	2.43599G	13.48	-16.52	2.12729G	-43.03	2.39966G	-41.72	2.50864G	-41.43	24.68252G	-33.51	3
2437MHz	Pass	2.43599G	13.48	-16.52	217.27M	-43.01	2.39752G	-40.71	2.48358G	-42.29	24.53642G	-33.33	4
2462MHz	Pass	2.43599G	13.48	-16.52	1.78129G	-43.10	2.39188G	-42.73	2.4901G	-42.40	17.6249G	-33.86	1
2462MHz	Pass	2.43599G	13.48	-16.52	2.12118G	-43.44	2.39554G	-43.43	2.5035G	-41.37	15.21148G	-33.20	2
2462MHz	Pass	2.43599G	13.48	-16.52	890.94M	-44.09	2.391G	-43.01	2.48524G	-41.06	14.64395G	-33.95	3
2462MHz	Pass	2.43599G	13.48	-16.52	726.38M	-43.11	2.39904G	-43.11	2.5051G	-42.17	24.37347G	-34.25	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	9.22	-20.78	301.74M	-43.30	2.39914G	-34.33	2.50942G	-42.07	24.05037G	-34.34	1
2412MHz	Pass	2.43824G	9.22	-20.78	912.2M	-43.02	2.39764G	-34.45	2.51482G	-42.81	14.61586G	-33.45	2
2412MHz	Pass	2.43824G	9.22	-20.78	665.51M	-42.73	2.39798G	-33.46	2.49842G	-40.72	17.03208G	-34.39	3
2412MHz	Pass	2.43824G	9.22	-20.78	2.30612G	-43.00	2.39914G	-34.39	2.48962G	-42.21	24.80614G	-33.60	4
2437MHz	Pass	2.43824G	9.22	-20.78	1.9374G	-43.90	2.39576G	-42.45	2.51732G	-42.58	17.63895G	-33.75	1
2437MHz	Pass	2.43824G	9.22	-20.78	1.79061G	-43.83	2.3935G	-42.46	2.51822G	-41.87	16.84103G	-33.08	2
2437MHz	Pass	2.43824G	9.22	-20.78	777.64M	-43.57	2.39952G	-39.20	2.51898G	-41.90	21.63133G	-34.43	3
2437MHz	Pass	2.43824G	9.22	-20.78	472.99M	-43.13	2.39638G	-40.73	2.49468G	-42.05	16.6865G	-33.66	4
2462MHz	Pass	2.43824G	9.22	-20.78	1.95021G	-42.81	2.39582G	-43.80	2.48384G	-40.64	16.21731G	-33.73	1
2462MHz	Pass	2.43824G	9.22	-20.78	796.86M	-43.06	2.39786G	-43.24	2.48362G	-39.40	14.14104G	-34.19	2
2462MHz	Pass	2.43824G	9.22	-20.78	1.94701G	-43.02	2.39178G	-44.27	2.48392G	-39.85	17.66142G	-33.71	3
2462MHz	Pass	2.43824G	9.22	-20.78	822.2M	-43.55	2.39056G	-43.33	2.48402G	-41.05	17.61647G	-34.46	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43202G	9.62	-20.38	2.12409G	-43.55	2.39824G	-37.58	2.49386G	-42.68	16.64436G	-33.56	1
2412MHz	Pass	2.43202G	9.62	-20.38	855.69M	-42.12	2.39918G	-36.81	2.4879G	-41.78	17.61928G	-32.98	2
2412MHz	Pass	2.43202G	9.62	-20.38	2.30321G	-43.55	2.39738G	-35.48	2.50582G	-42.15	17.65018G	-34.43	3
2412MHz	Pass	2.43202G	9.62	-20.38	954.72M	-43.11	2.3992G	-36.90	2.51452G	-42.58	17.61366G	-33.98	4
2437MHz	Pass	2.43202G	9.62	-20.38	722.59M	-42.81	2.39854G	-41.14	2.48874G	-41.83	24.57014G	-33.77	1
2437MHz	Pass	2.43202G	9.62	-20.38	338.73M	-43.39	2.39852G	-40.99	2.51166G	-41.67	15.02886G	-33.98	2
2437MHz	Pass	2.43202G	9.62	-20.38	708.9M	-43.12	2.39914G	-38.29	2.4844G	-41.62	24.42123G	-33.64	3
2437MHz	Pass	2.43202G	9.62	-20.38	2.13574G	-43.71	2.39954G	-39.95	2.51506G	-42.10	13.91628G	-34.42	4
2462MHz	Pass	2.43202G	9.62	-20.38	2.10865G	-43.39	2.39606G	-43.41	2.48422G	-40.97	24.70219G	-33.25	1
2462MHz	Pass	2.43202G	9.62	-20.38	841.13M	-42.63	2.39118G	-43.37	2.51894G	-41.03	15.30982G	-34.22	2

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
2462MHz	Pass	2.43202G	9.62	-20.38	1.97439G	-43.33	2.3909G	-43.98	2.48444G	-40.54	14.61867G	-33.47	3
2462MHz	Pass	2.43202G	9.62	-20.38	578.13M	-43.59	2.39992G	-42.54	2.48384G	-41.20	16.39712G	-33.75	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45202G	-0.78	-30.78	1.99453G	-42.30	2.39824G	-41.56	2.49206G	-41.90	17.48097G	-33.79	1
2422MHz	Pass	2.45202G	-0.78	-30.78	597.63M	-43.74	2.39636G	-39.18	2.5517G	-42.81	16.86396G	-34.15	2
2422MHz	Pass	2.45202G	-0.78	-30.78	337.72M	-43.41	2.39892G	-40.53	2.55298G	-43.06	17.65485G	-32.36	3
2422MHz	Pass	2.45202G	-0.78	-30.78	922.24M	-43.65	2.39136G	-40.67	2.54134G	-43.13	16.58912G	-34.02	4
2437MHz	Pass	2.45202G	-0.78	-30.78	559.28M	-43.31	2.39984G	-40.80	2.50494G	-42.33	24.45591G	-34.18	1
2437MHz	Pass	2.45202G	-0.78	-30.78	500.6M	-43.72	2.39948G	-38.52	2.50602G	-42.55	16.47693G	-33.31	2
2437MHz	Pass	2.45202G	-0.78	-30.78	220.36M	-40.78	2.39948G	-39.51	2.55002G	-41.27	14.98491G	-33.52	3
2437MHz	Pass	2.45202G	-0.78	-30.78	861.27M	-43.61	2.39988G	-39.90	2.52274G	-42.38	17.63522G	-33.03	4
2452MHz	Pass	2.45202G	-0.78	-30.78	682.94M	-42.62	2.39996G	-43.23	2.53094G	-42.71	16.89481G	-34.22	1
2452MHz	Pass	2.45202G	-0.78	-30.78	663.76M	-43.56	2.39616G	-43.86	2.54198G	-41.60	15.27939G	-34.01	2
2452MHz	Pass	2.45202G	-0.78	-30.78	2.13365G	-42.76	2.39636G	-43.52	2.54914G	-42.43	15.31024G	-33.52	3
2452MHz	Pass	2.45202G	-0.78	-30.78	2.08928G	-42.56	2.39884G	-43.66	2.52618G	-42.31	17.68851G	-33.01	4

802.11b_Nss1,(1Mbps)_4TX

CSE NdB

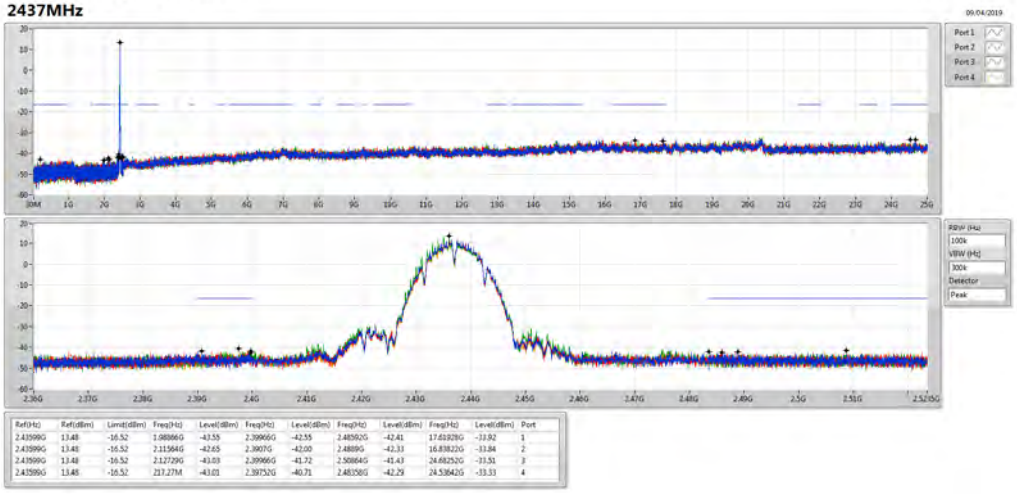
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSE NdB

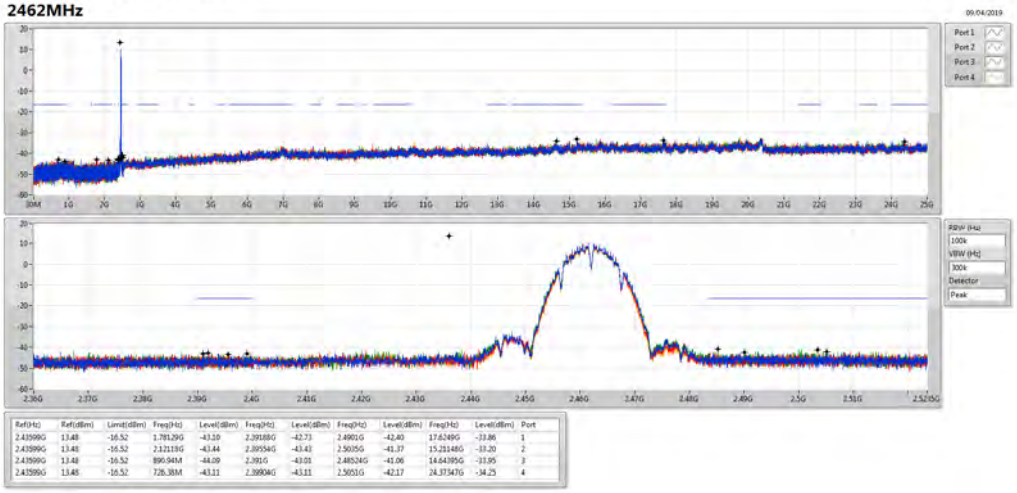
2437MHz



802.11b_Nss1,(1Mbps)_4TX

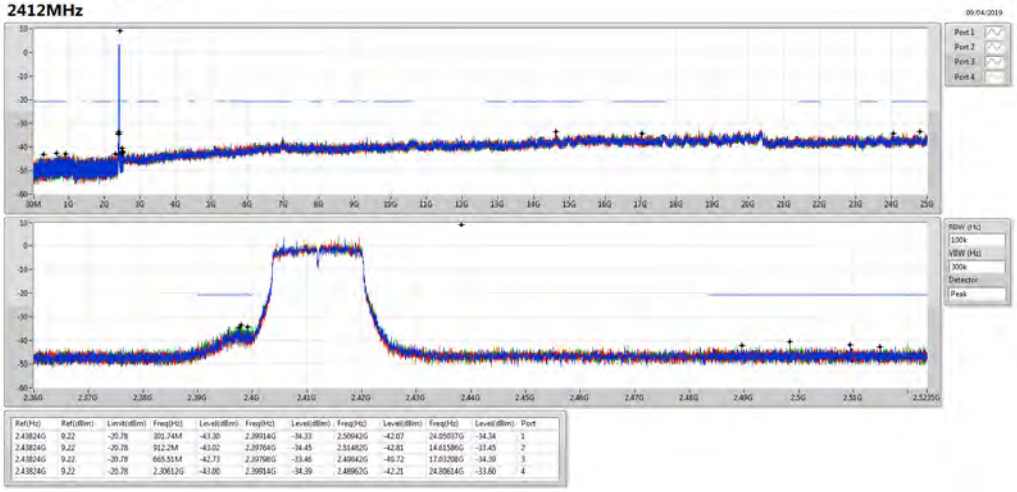
CSE NdB

2462MHz



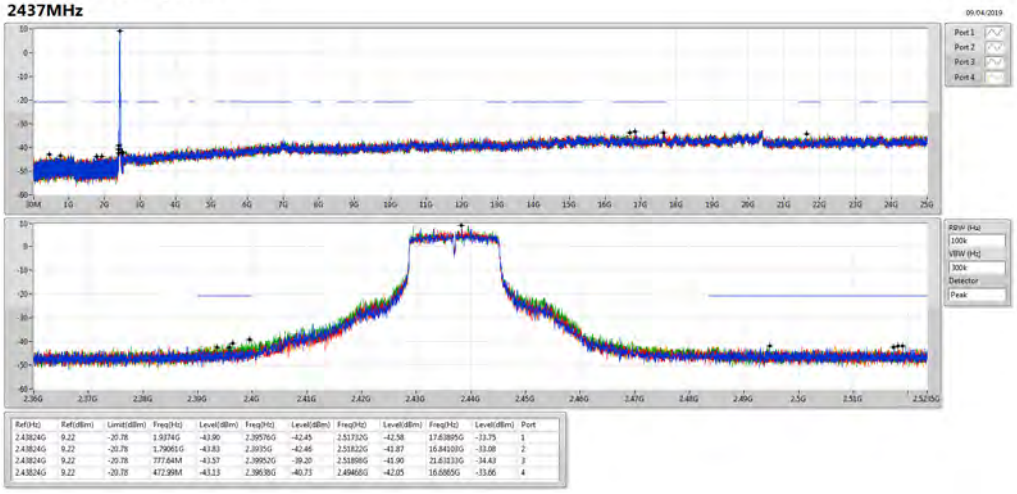
802.11g_Nss1,(6Mbps)_4TX CSE NdB

2412MHz



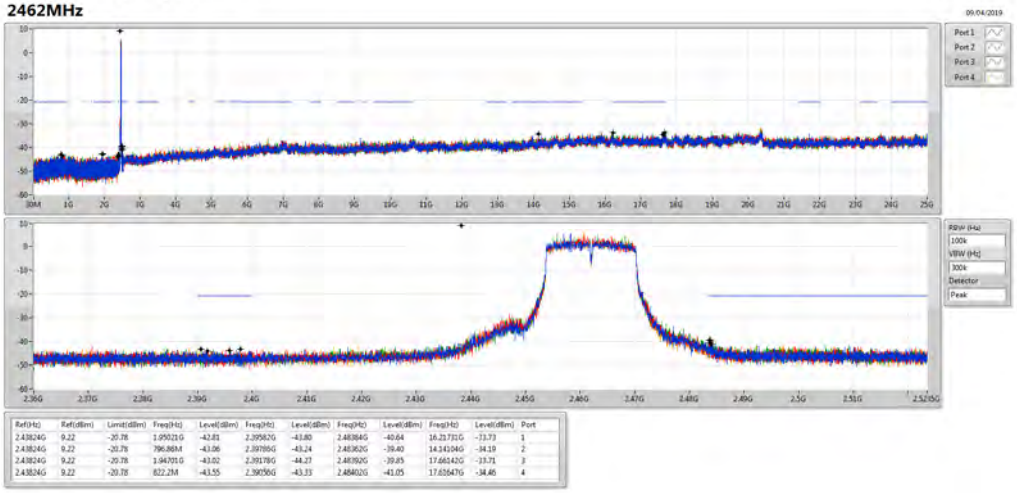
802.11g_Nss1,(6Mbps)_4TX CSE NdB

2437MHz



802.11g_Nss1,(6Mbps)_4TX CSE NdB

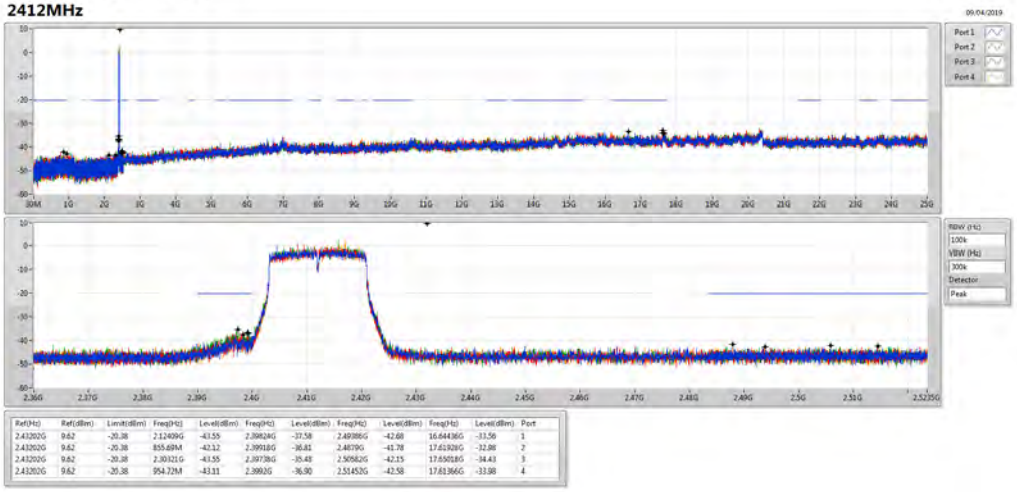
2462MHz



VHT20_Nss1,(MCS0)_4TX

CSE NdB

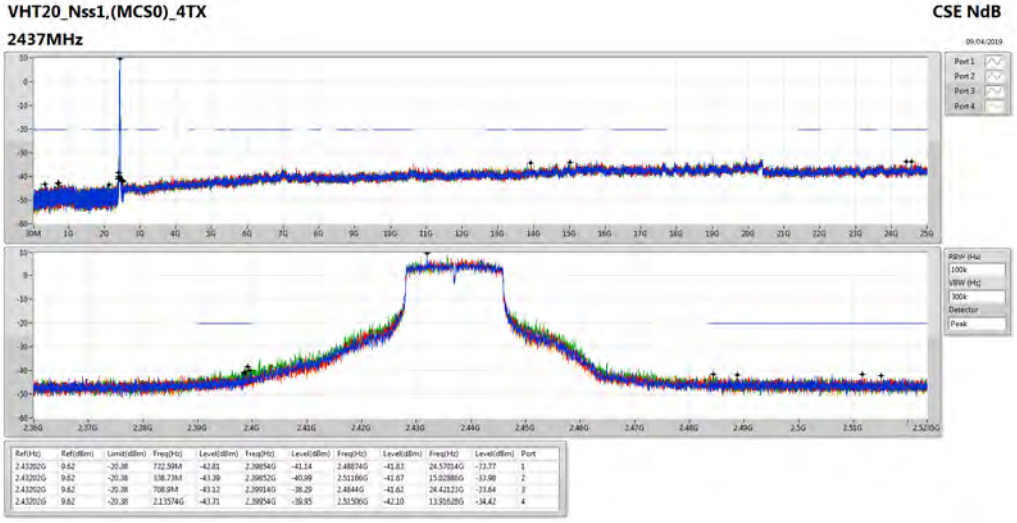
2412MHz



VHT20_Nss1,(MCS0)_4TX

CSE NdB

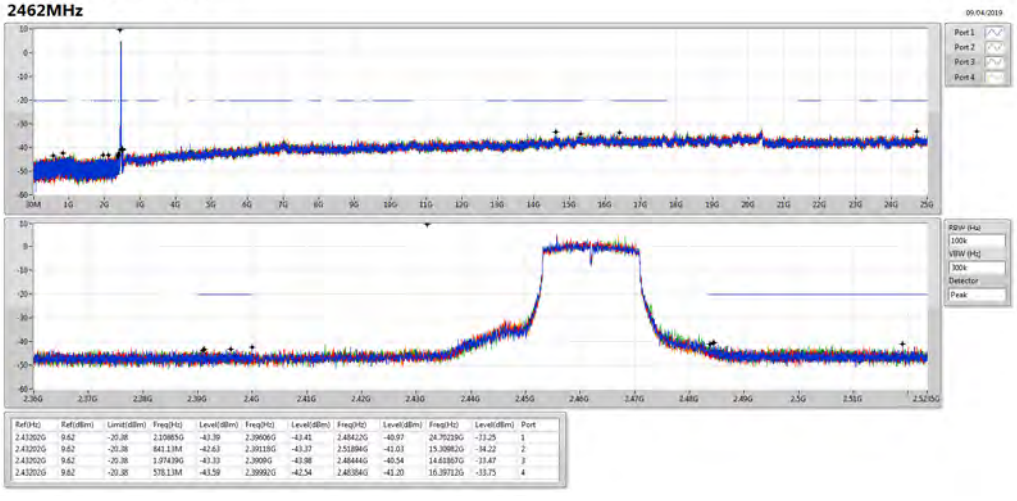
2437MHz



VHT20_Nss1,(MCS0)_4TX

CSE NdB

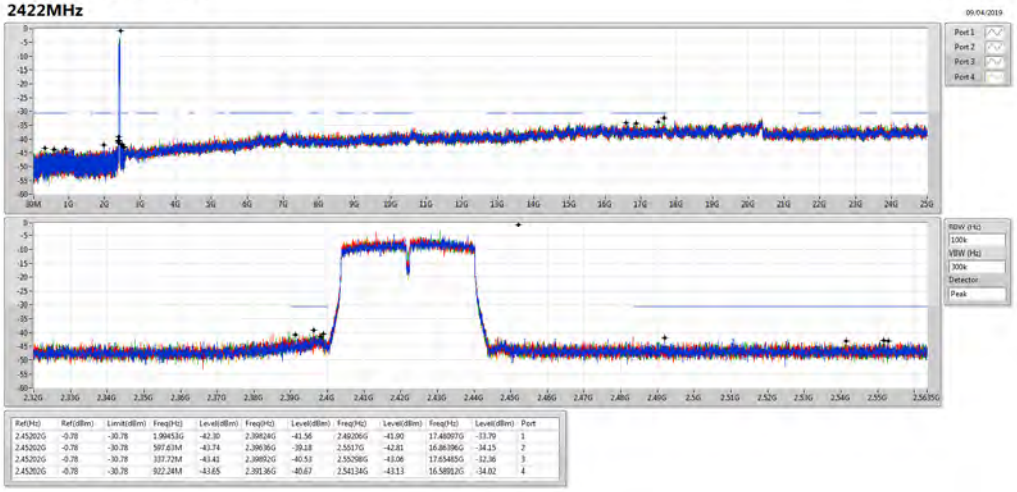
2462MHz



VHT40_Nss1,(MCS0)_4TX

2422MHz

CSE NdB



VHT40_Nss1,(MCS0)_4TX

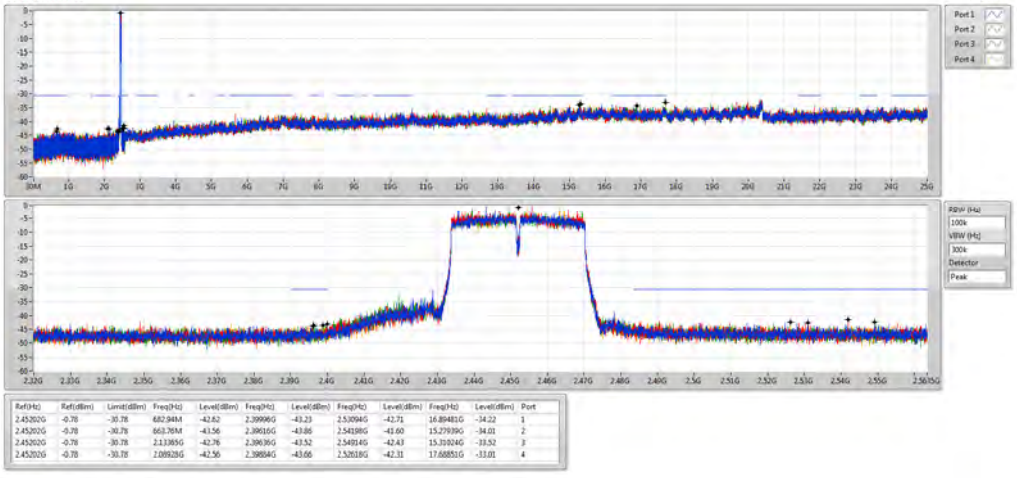
2437MHz

CSE NdB

VHT40_Nss1,(MCS0)_4TX

2452MHz

CSE NdB



For Radio 3
Summary

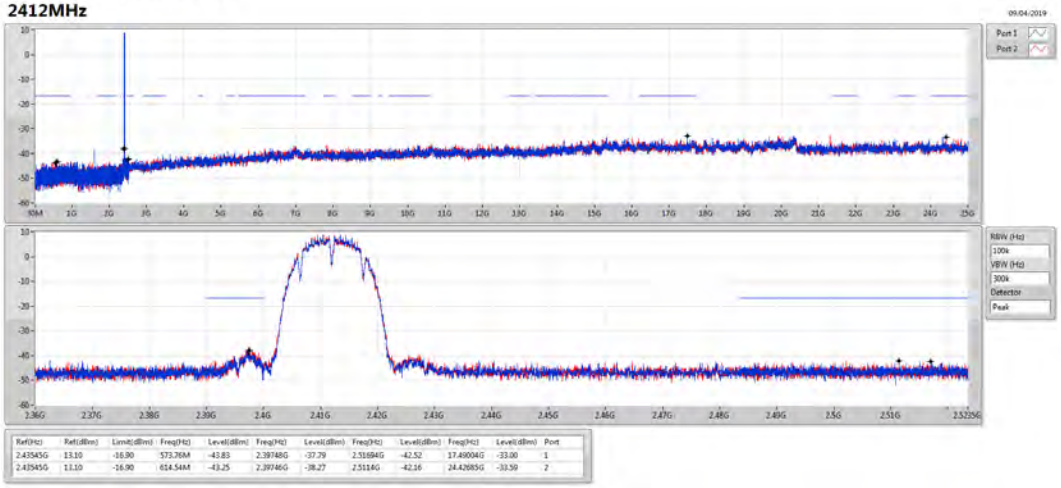
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43545G	13.10	-16.90	573.76M	-43.83	2.39748G	-37.79	2.51694G	-42.52	17.49004G	-33.00	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44317G	10.33	-19.67	1.76352G	-43.73	2.39972G	-27.89	2.5116G	-41.84	17.61647G	-34.30	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.44321G	11.65	-18.35	681.82M	-43.73	2.39986G	-27.32	2.50748G	-41.76	16.22574G	-33.91	2
VHT40_Nss1,(MCS0)_2TX	Pass	2.42948G	3.61	-26.39	2.30111G	-42.98	2.39868G	-44.44	2.48386G	-41.58	17.65766G	-32.81	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43545G	13.10	-16.90	573.76M	-43.83	2.39748G	-37.79	2.51694G	-42.52	17.49004G	-33.00	1
2412MHz	Pass	2.43545G	13.10	-16.90	614.54M	-43.25	2.39746G	-38.27	2.5114G	-42.16	24.42685G	-33.59	2
2437MHz	Pass	2.43545G	13.10	-16.90	1.62459G	-39.20	2.39998G	-41.91	2.4948G	-42.71	15.27891G	-34.30	1
2437MHz	Pass	2.43545G	13.10	-16.90	830.94M	-42.06	2.39986G	-40.49	2.49116G	-41.54	24.42404G	-34.45	2
2462MHz	Pass	2.43545G	13.10	-16.90	1.64149G	-39.37	2.39656G	-43.11	2.49958G	-41.58	24.46337G	-34.16	1
2462MHz	Pass	2.43545G	13.10	-16.90	1.64149G	-39.42	2.39256G	-42.48	2.52148G	-42.07	16.57974G	-33.56	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44317G	10.33	-19.67	1.76352G	-43.73	2.39972G	-27.89	2.5116G	-41.84	17.61647G	-34.30	1
2412MHz	Pass	2.44317G	10.33	-19.67	798.9M	-43.23	2.39974G	-28.14	2.4874G	-41.04	17.61085G	-34.18	2
2437MHz	Pass	2.44317G	10.33	-19.67	724.05M	-42.19	2.3998G	-37.77	2.49264G	-41.58	17.2147G	-34.20	1
2437MHz	Pass	2.44317G	10.33	-19.67	1.62459G	-42.12	2.39944G	-38.54	2.48536G	-41.41	15.04291G	-34.48	2
2462MHz	Pass	2.44317G	10.33	-19.67	1.64149G	-41.61	2.39842G	-42.75	2.48788G	-41.52	17.65299G	-32.19	1
2462MHz	Pass	2.44317G	10.33	-19.67	1.64149G	-41.22	2.39164G	-43.02	2.48384G	-40.78	16.38026G	-33.35	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44321G	11.65	-18.35	945.98M	-42.60	2.39982G	-30.95	2.49984G	-42.10	17.65299G	-33.26	1
2412MHz	Pass	2.44321G	11.65	-18.35	681.82M	-43.73	2.39986G	-27.32	2.50748G	-41.76	16.22574G	-33.91	2
2437MHz	Pass	2.44321G	11.65	-18.35	1.62459G	-40.65	2.39886G	-38.60	2.48676G	-40.38	17.6558G	-33.62	1
2437MHz	Pass	2.44321G	11.65	-18.35	1.62459G	-42.23	2.39986G	-37.55	2.48876G	-40.98	15.02043G	-33.83	2
2462MHz	Pass	2.44321G	11.65	-18.35	1.64149G	-42.60	2.39806G	-43.78	2.49332G	-41.63	17.65861G	-34.11	1
2462MHz	Pass	2.44321G	11.65	-18.35	1.64149G	-41.17	2.39756G	-42.23	2.4841G	-40.90	15.32668G	-33.71	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42948G	3.61	-26.39	731.89M	-43.26	2.39976G	-36.30	2.49602G	-42.33	23.38738G	-34.01	1
2422MHz	Pass	2.42948G	3.61	-26.39	891.9M	-43.52	2.39948G	-35.86	2.56138G	-42.36	17.24819G	-32.94	2
2437MHz	Pass	2.42948G	3.61	-26.39	1.6247G	-41.28	2.3994G	-40.24	2.48406G	-41.82	16.59192G	-33.95	1
2437MHz	Pass	2.42948G	3.61	-26.39	1.6247G	-41.97	2.39952G	-38.87	2.49826G	-42.19	17.65766G	-34.28	2
2452MHz	Pass	2.42948G	3.61	-26.39	1.63472G	-43.41	2.3952G	-43.44	2.50274G	-42.24	16.61155G	-33.56	1
2452MHz	Pass	2.42948G	3.61	-26.39	2.30111G	-42.98	2.39868G	-44.44	2.48386G	-41.58	17.65766G	-32.81	2

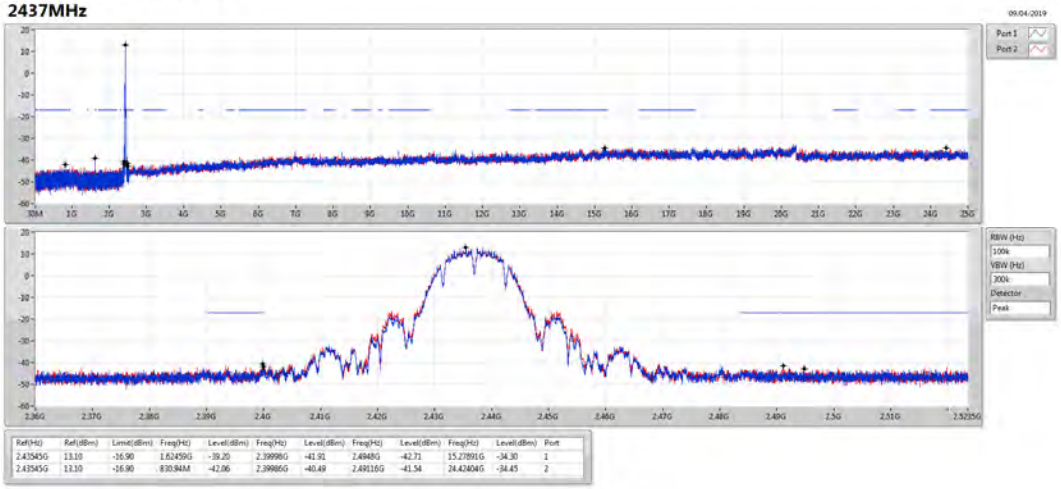
802.11b_Nss1,(1Mbps)_2TX CSE NdB

2412MHz



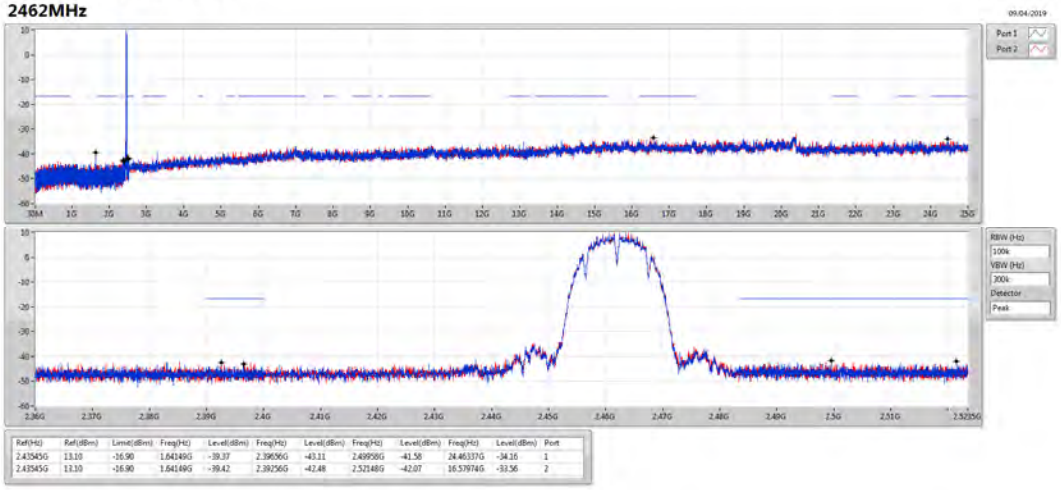
802.11b_Nss1,(1Mbps)_2TX CSE NdB

2437MHz



802.11b_Nss1,(1Mbps)_2TX CSE NdB

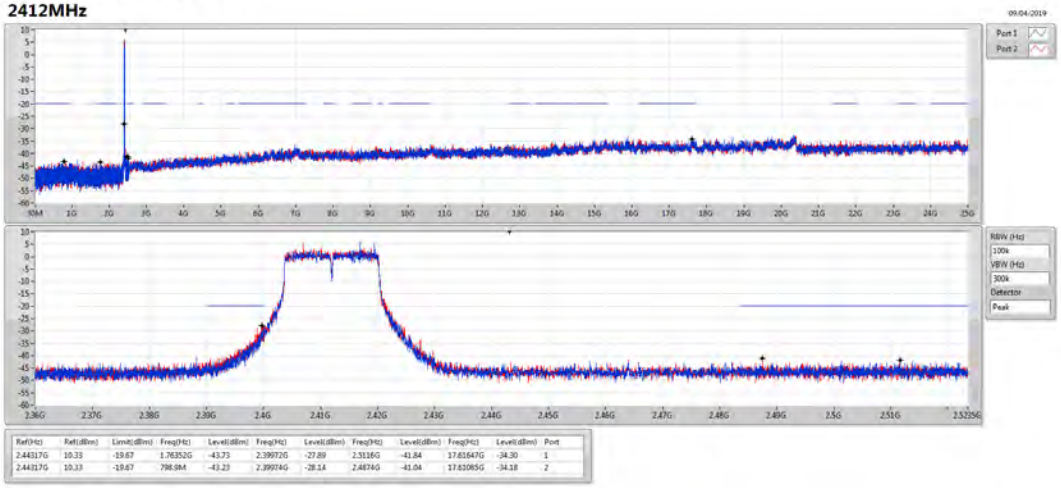
2462MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

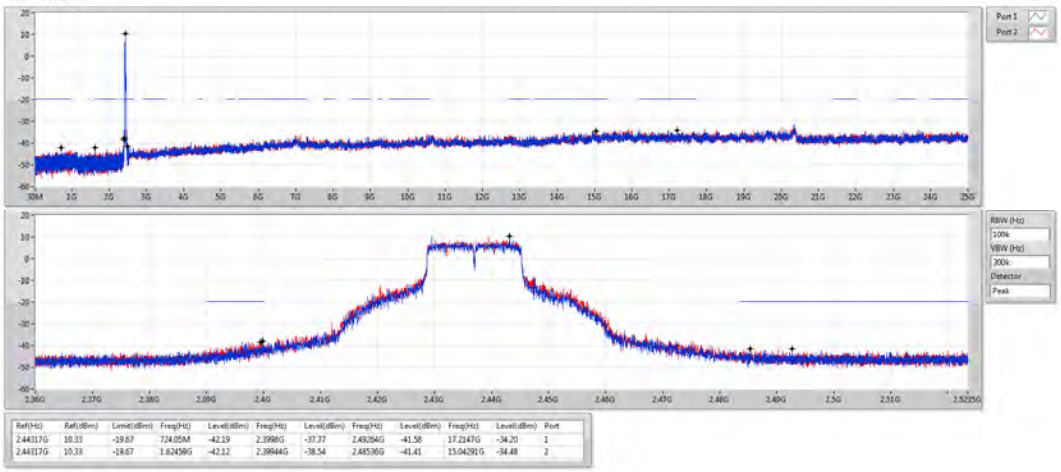
2412MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

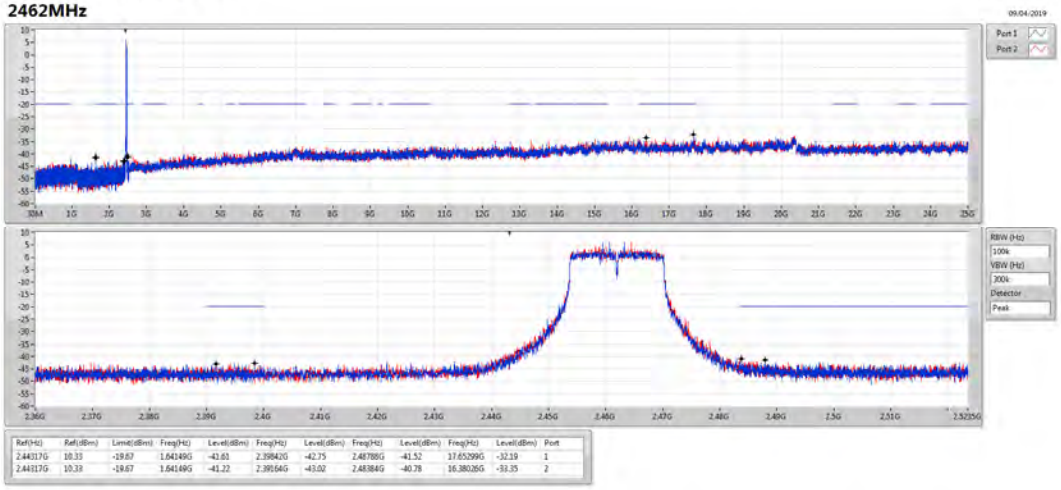
2437MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

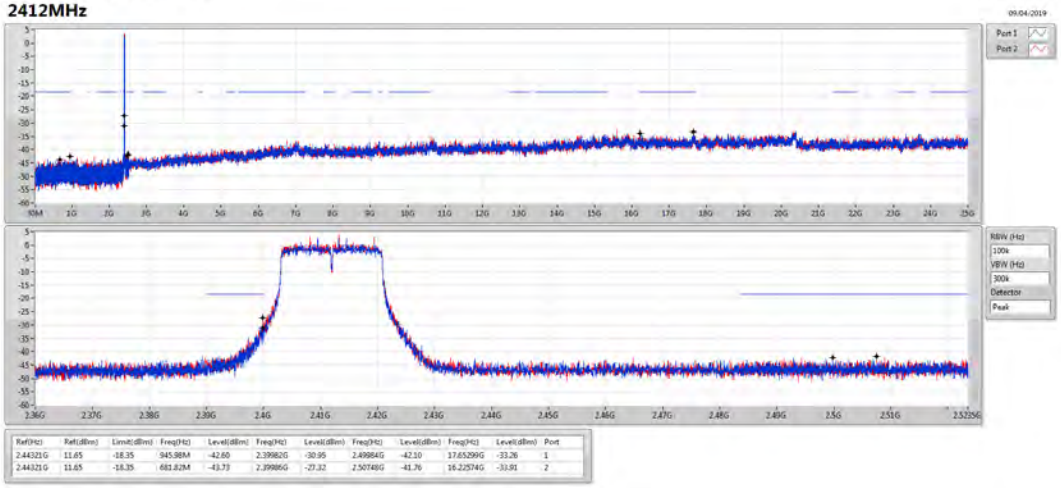
2462MHz



VHT20_Nss1,(MCS0)_2TX

CSE NdB

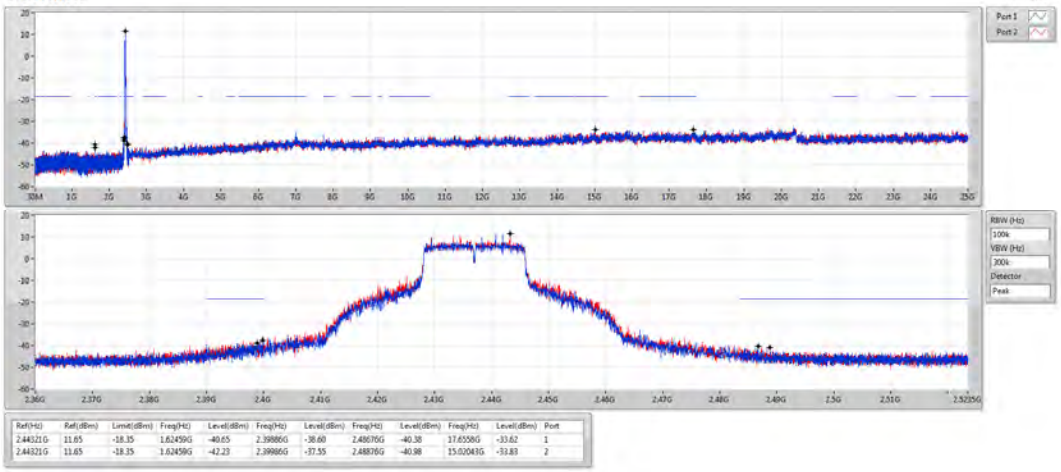
2412MHz



VHT20_Nss1,(MCS0)_2TX

CSE NdB

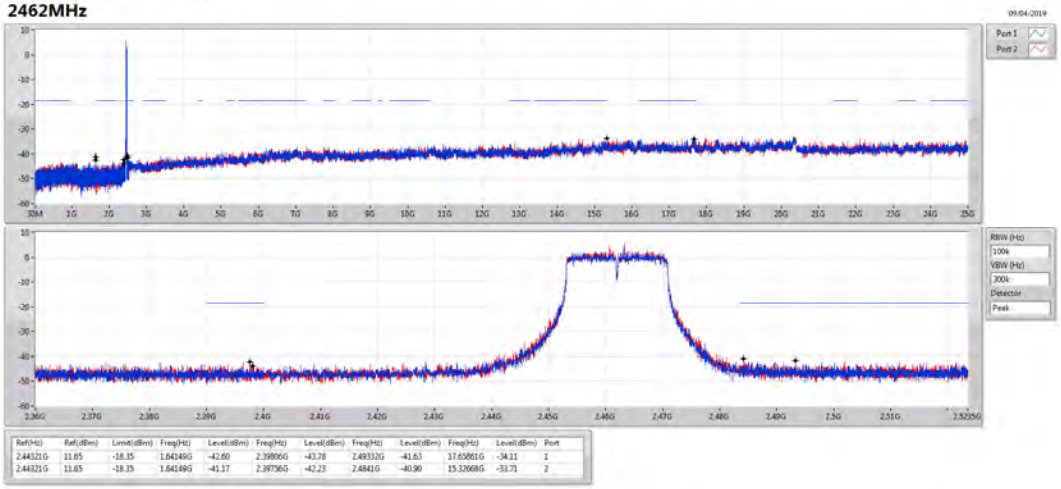
2437MHz



VHT20_Nss1,(MCS0)_2TX

CSE NdB

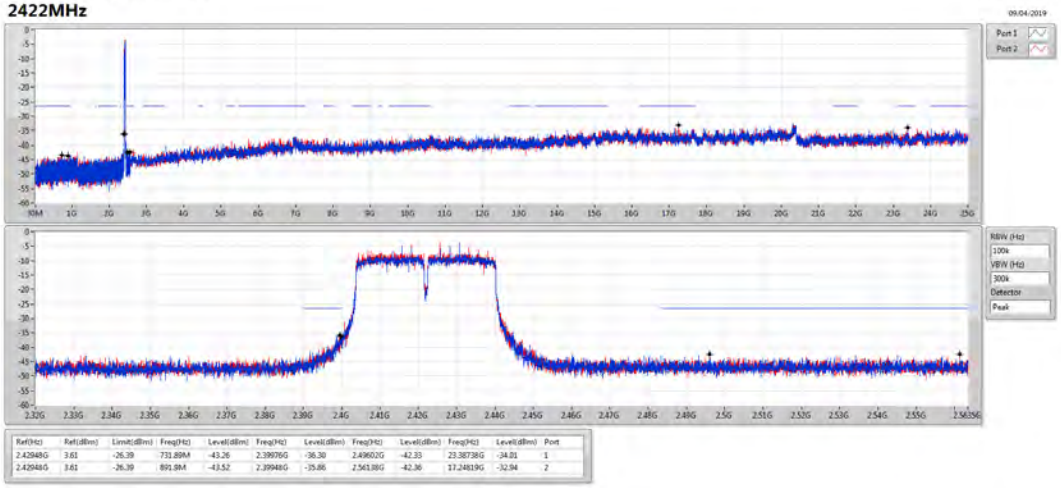
2462MHz



VHT40_Nss1,(MCS0)_2TX

2422MHz

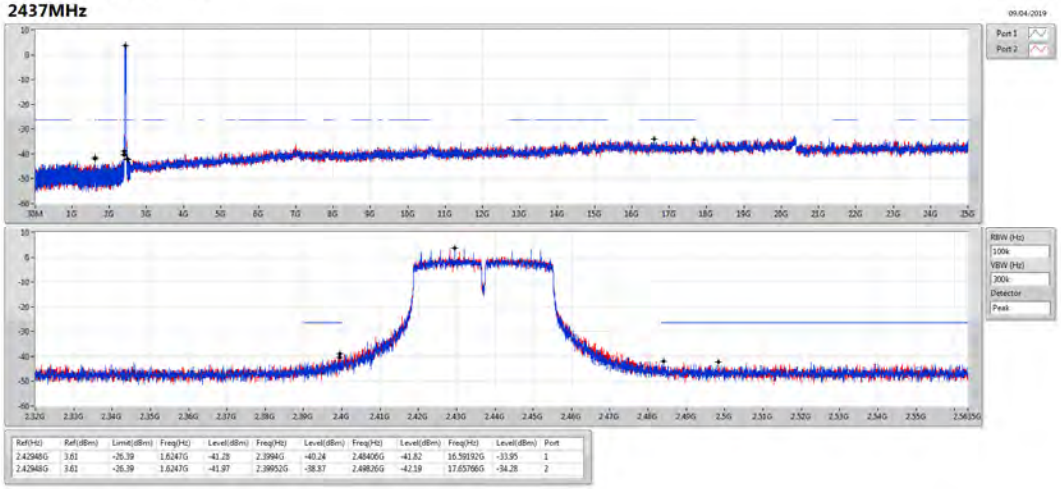
CSE NdB



VHT40_Nss1,(MCS0)_2TX

2437MHz

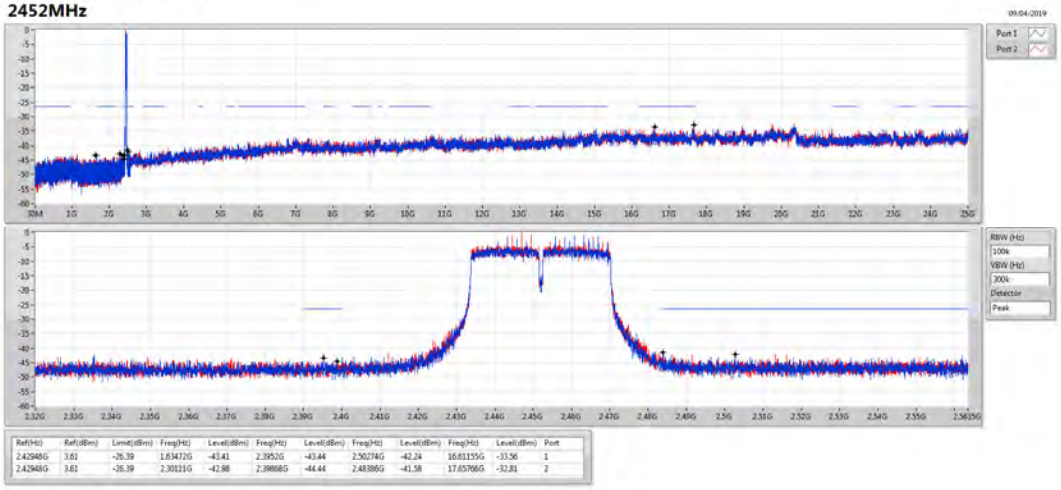
CSE NdB



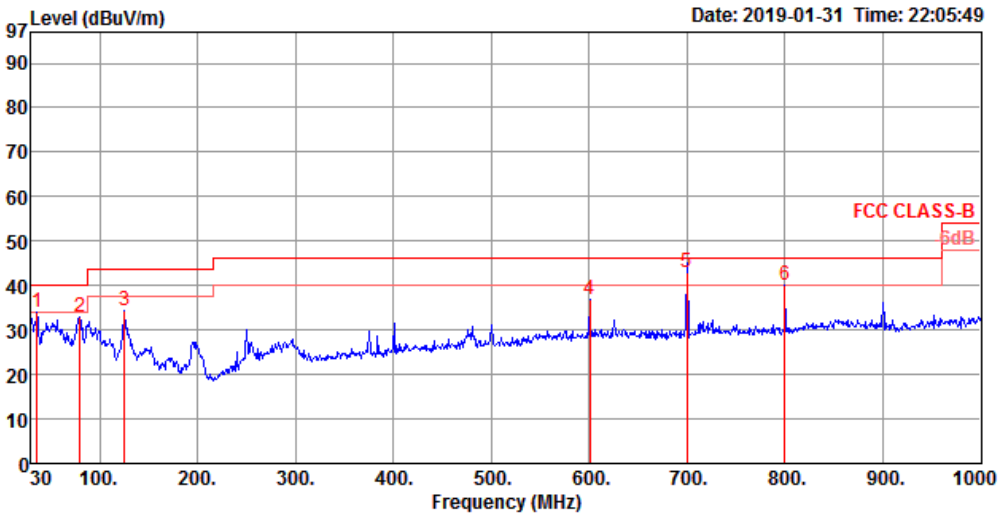
VHT40_Nss1,(MCS0)_2TX

2452MHz

CSE NdB



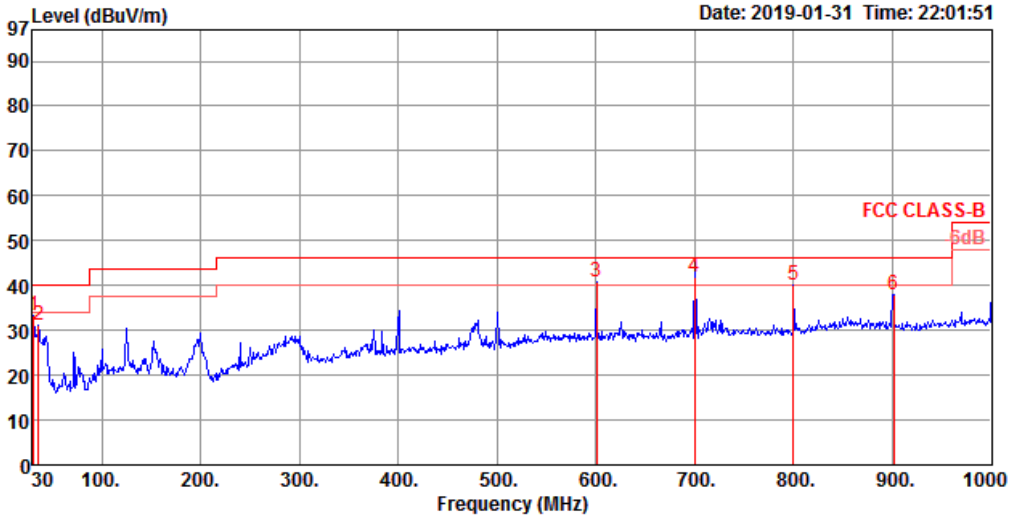
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	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	35.82	33.85	40.00	-6.15	40.55	0.70	21.17	28.57	400	0	Peak	VERTICAL
2	79.47	33.04	40.00	-6.96	47.51	1.06	12.97	28.50	400	0	Peak	VERTICAL
3	125.06	34.31	43.50	-9.19	43.43	1.32	17.91	28.35	400	0	Peak	VERTICAL
4	600.36	36.97	46.00	-9.03	39.17	2.63	24.68	29.51	400	0	Peak	VERTICAL
5	700.27	42.80	46.00	-3.20	44.20	2.90	25.17	29.47	100	114	QP	VERTICAL
6	800.18	40.09	46.00	-5.91	40.23	3.13	26.07	29.34	400	0	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	30.97	33.31	40.00	-6.69	37.24	0.78	23.86	28.57	100	360	Peak	HORIZONTAL
2	35.82	31.08	40.00	-8.92	37.78	0.70	21.17	28.57	100	360	Peak	HORIZONTAL
3	600.36	40.70	46.00	-5.30	42.90	2.63	24.68	29.51	100	360	Peak	HORIZONTAL
4	700.27	41.75	46.00	-4.25	43.15	2.90	25.17	29.47	162	183	QP	HORIZONTAL
5	800.18	40.13	46.00	-5.87	40.27	3.13	26.07	29.34	100	360	Peak	HORIZONTAL
6	901.06	37.99	46.00	-8.01	37.09	3.40	26.56	29.06	100	360	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.)

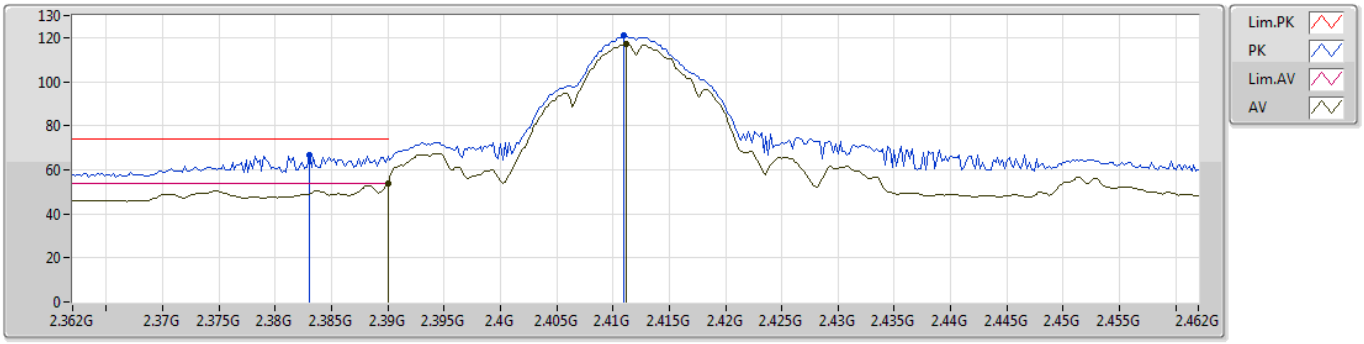
For Radio 1
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
VHT20_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	53.96	54.00	-0.04	30.96	3	Horizontal	6	1.93	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

08/04/2019



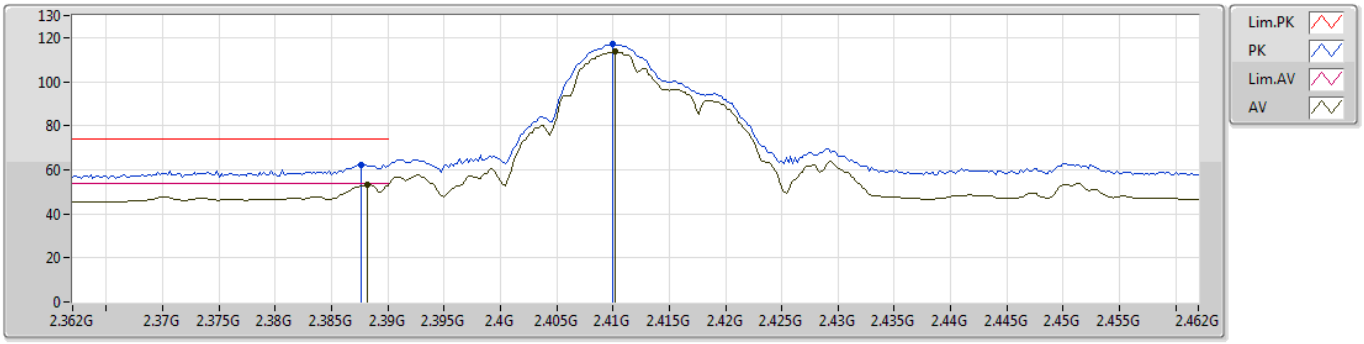
EUT Y_4TX
Setting 20
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.383G	66.69	74.00	-7.31	30.78	3	Vertical	175	2.16	-
AV	2.39G	53.89	54.00	-0.11	30.80	3	Vertical	175	2.16	-
PK	2.411G	120.81	Inf	-Inf	30.86	3	Vertical	175	2.16	-
AV	2.4112G	117.21	Inf	-Inf	30.86	3	Vertical	175	2.16	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

08/04/2019



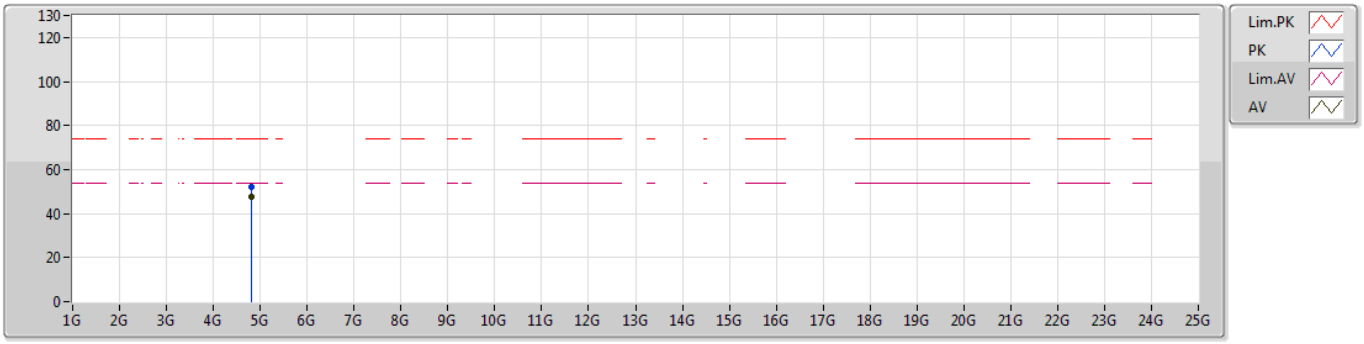
EUT Y_4TX
Setting 20
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	62.33	74.00	-11.67	30.79	3	Horizontal	0	2.17	-
AV	2.3882G	53.38	54.00	-0.62	30.79	3	Horizontal	0	2.17	-
PK	2.41G	116.84	Inf	-Inf	30.86	3	Horizontal	0	2.17	-
AV	2.4102G	113.50	Inf	-Inf	30.86	3	Horizontal	0	2.17	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

08/04/2019



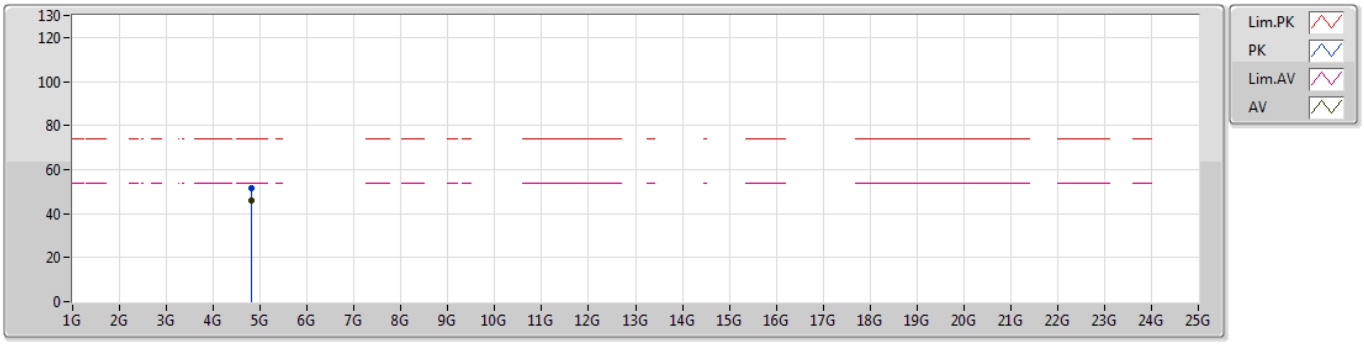
EUT Z_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81296G	51.98	74.00	-22.02	3.54	3	Vertical	290	1.60	-
AV	4.81302G	47.65	54.00	-6.35	3.54	3	Vertical	290	1.60	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

08/04/2019



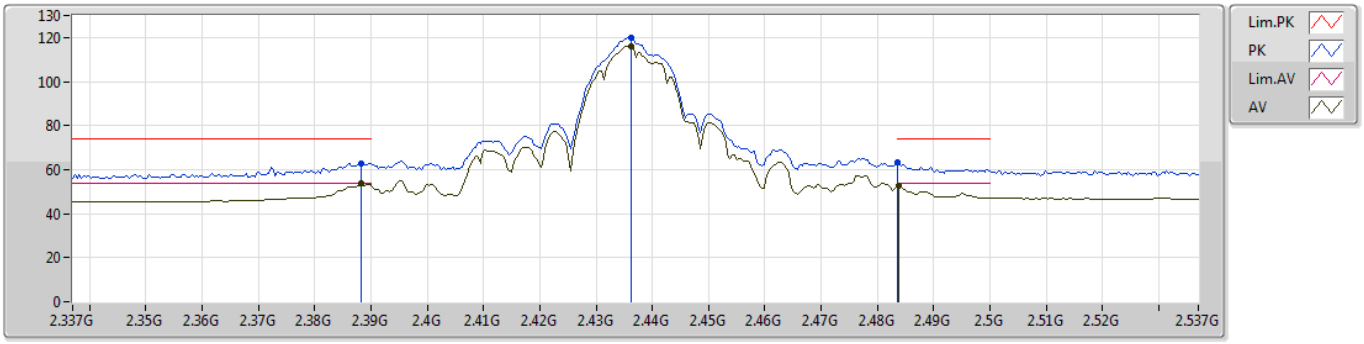
EUT Z_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.824G	51.63	74.00	-22.37	3.59	3	Horizontal	88	2.44	-
AV	4.824G	45.97	54.00	-8.03	3.59	3	Horizontal	88	2.44	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

08/04/2019



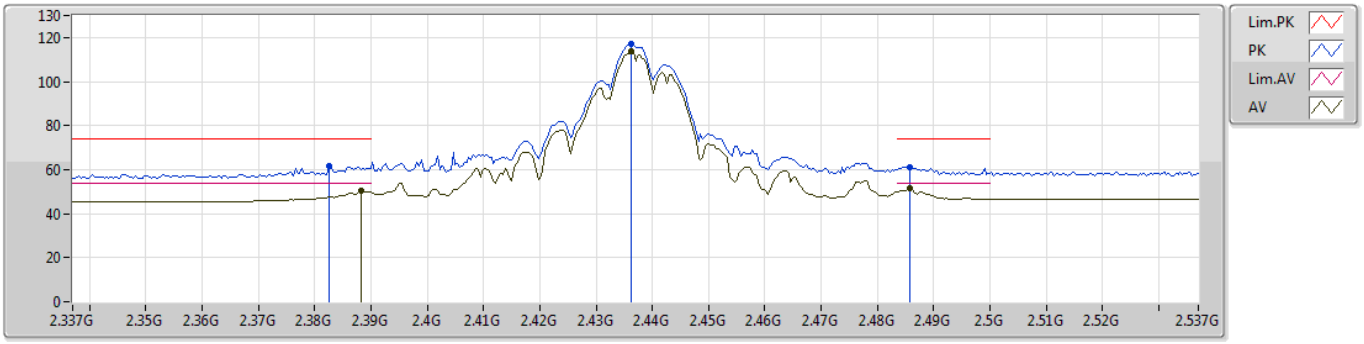
EUT Y_4TX
Setting 22
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	62.70	74.00	-11.30	30.79	3	Vertical	0	1.57	-
AV	2.3882G	53.81	54.00	-0.19	30.79	3	Vertical	0	1.57	-
PK	2.4362G	119.86	Inf	-Inf	30.90	3	Vertical	0	1.57	-
AV	2.4362G	116.10	Inf	-Inf	30.90	3	Vertical	0	1.57	-
PK	2.48351G	63.44	74.00	-10.56	30.96	3	Vertical	0	1.57	-
AV	2.4838G	52.95	54.00	-1.05	30.96	3	Vertical	0	1.57	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

08/04/2019



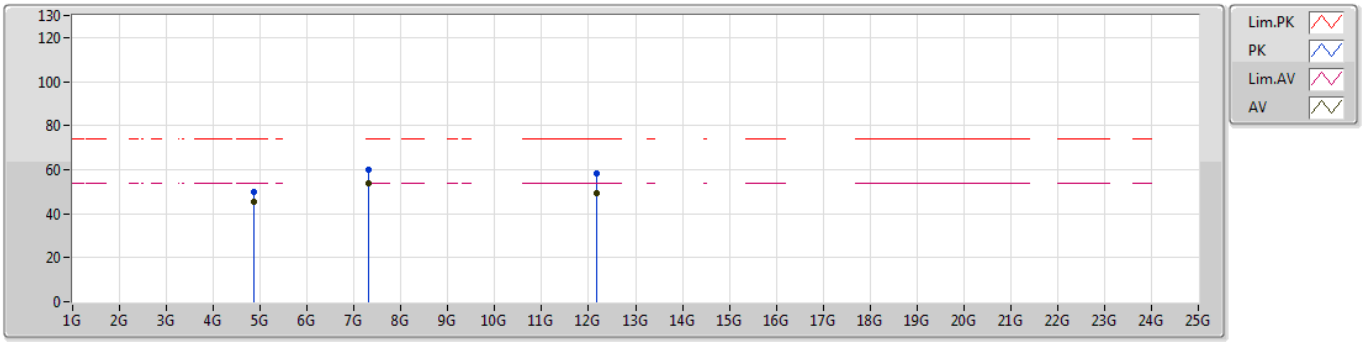
EUT Y_4TX
Setting 22
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3826G	61.66	74.00	-12.34	30.78	3	Horizontal	340	1.81	-
AV	2.3882G	50.48	54.00	-3.52	30.79	3	Horizontal	340	1.81	-
PK	2.4362G	117.17	Inf	-Inf	30.90	3	Horizontal	340	1.81	-
AV	2.4362G	113.54	Inf	-Inf	30.90	3	Horizontal	340	1.81	-
PK	2.4858G	61.07	74.00	-12.93	30.97	3	Horizontal	340	1.81	-
AV	2.4858G	51.65	54.00	-2.35	30.97	3	Horizontal	340	1.81	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

08/04/2019



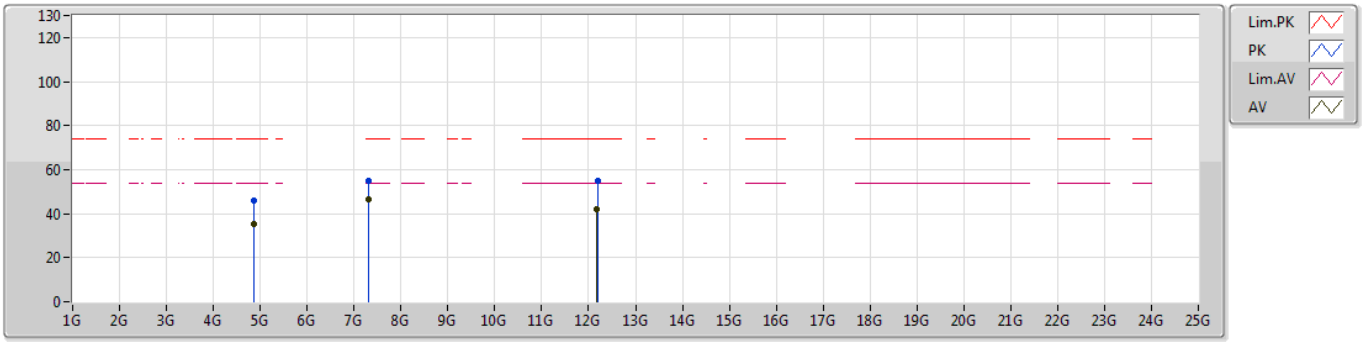
EUT Z_4TX
Setting 22
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87408G	50.07	74.00	-23.93	3.81	3	Vertical	246	2.46	-
AV	4.874G	45.39	54.00	-8.61	3.81	3	Vertical	246	2.46	-
PK	7.30996G	59.69	74.00	-14.31	9.25	3	Vertical	63	2.11	-
AV	7.31028G	53.85	54.00	-0.15	9.25	3	Vertical	63	2.11	-
PK	12.18388G	58.20	74.00	-15.80	12.68	3	Vertical	148	2.99	-
AV	12.18324G	49.47	54.00	-4.53	12.68	3	Vertical	148	2.99	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

08/04/2019



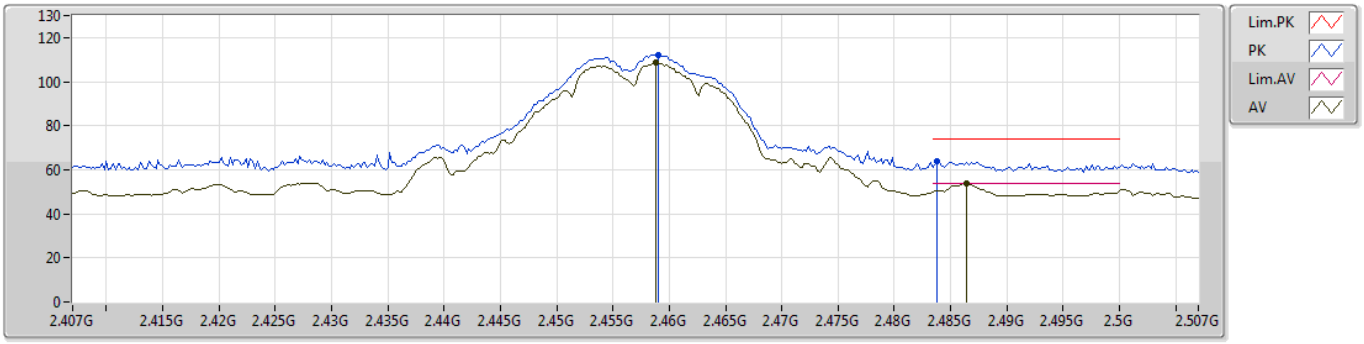
EUT Z_4TX
Setting 22
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86352G	45.77	74.00	-28.23	3.77	3	Horizontal	206	1.47	-
AV	4.87408G	35.45	54.00	-18.55	3.81	3	Horizontal	206	1.47	-
PK	7.31004G	54.83	74.00	-19.17	9.25	3	Horizontal	286	2.14	-
AV	7.30996G	46.74	54.00	-7.26	9.25	3	Horizontal	286	2.14	-
PK	12.18524G	55.04	74.00	-18.96	12.68	3	Horizontal	133	2.25	-
AV	12.17228G	41.81	54.00	-12.19	12.63	3	Horizontal	133	2.25	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

09/04/2019



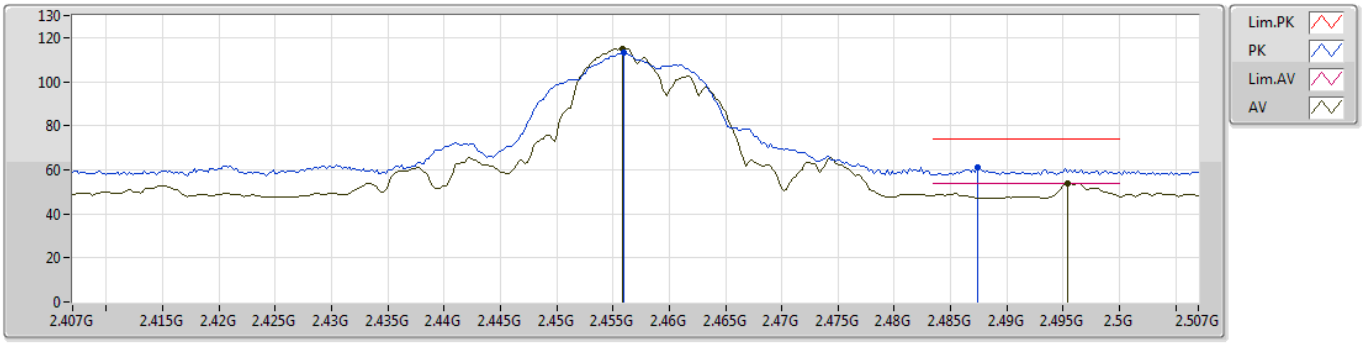
EUT Y_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.459G	112.03	Inf	-Inf	30.93	3	Vertical	1	1.50	-
AV	2.4588G	108.54	Inf	-Inf	30.93	3	Vertical	1	1.50	-
PK	2.4838G	64.09	74.00	-9.91	30.96	3	Vertical	1	1.50	-
AV	2.4864G	53.78	54.00	-0.22	30.97	3	Vertical	1	1.50	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

12/04/2019



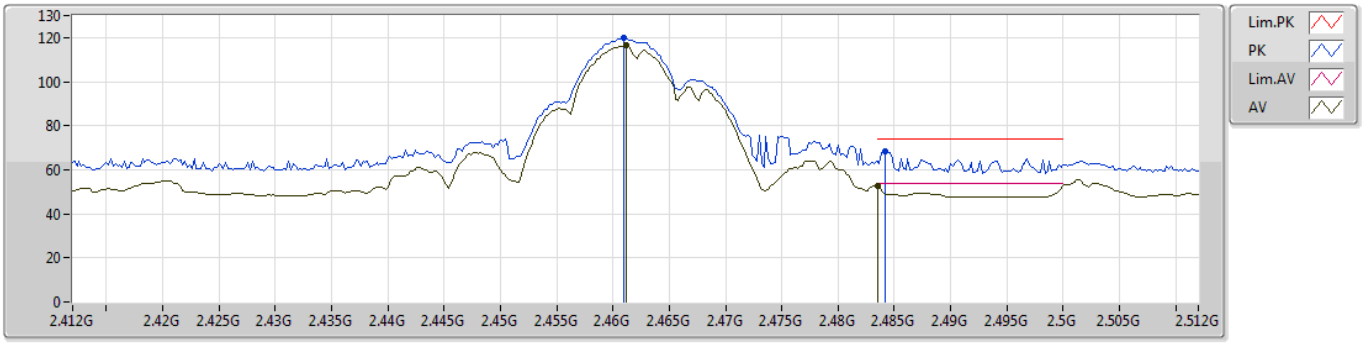
EUT Y_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.456G	113.05	Inf	-Inf	30.93	3	Horizontal	4	2.61	-
AV	2.4558G	114.75	Inf	-Inf	30.93	3	Horizontal	4	2.61	-
PK	2.4874G	61.22	74.00	-12.78	30.97	3	Horizontal	4	2.61	-
AV	2.4954G	53.84	54.00	-0.16	30.99	3	Horizontal	4	2.61	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

08/04/2019



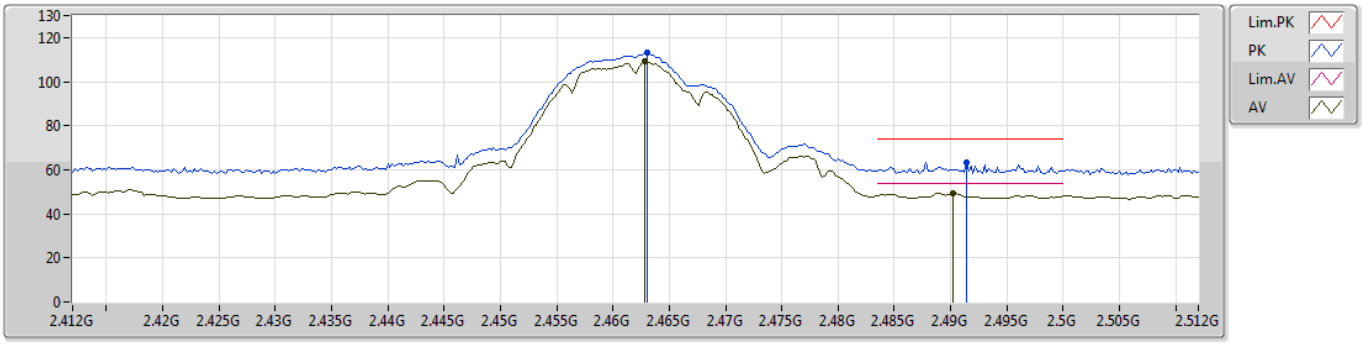
EUT Y_4TX
Setting 19
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	119.97	Inf	-Inf	30.93	3	Vertical	355	1.50	-
AV	2.4612G	116.29	Inf	-Inf	30.93	3	Vertical	355	1.50	-
PK	2.4842G	68.13	74.00	-5.87	30.96	3	Vertical	355	1.50	-
AV	2.4835G	52.83	54.00	-1.17	30.96	3	Vertical	355	1.50	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

08/04/2019



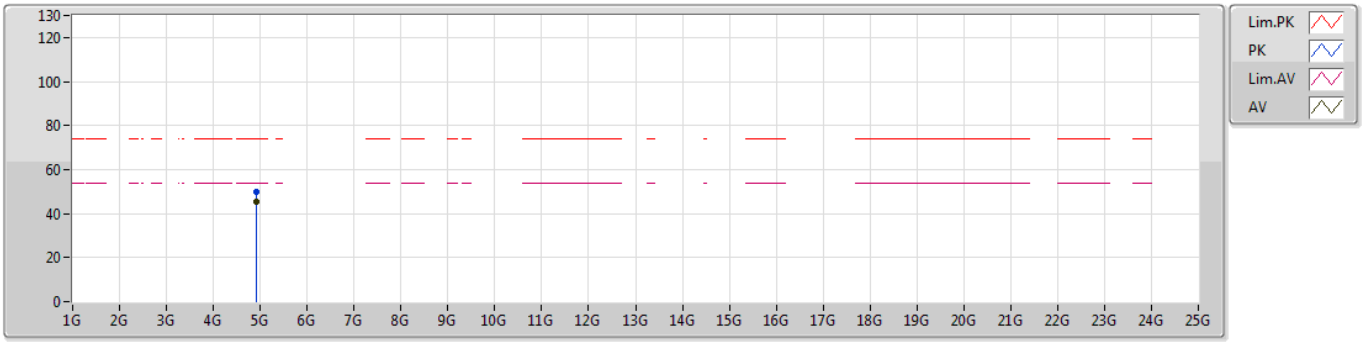
EUT Y_4TX
Setting 19
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	112.99	Inf	-Inf	30.93	3	Horizontal	3	2.29	-
AV	2.4628G	109.00	Inf	-Inf	30.93	3	Horizontal	3	2.29	-
PK	2.4914G	63.42	74.00	-10.58	30.98	3	Horizontal	3	2.29	-
AV	2.4902G	49.22	54.00	-4.78	30.98	3	Horizontal	3	2.29	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

08/04/2019



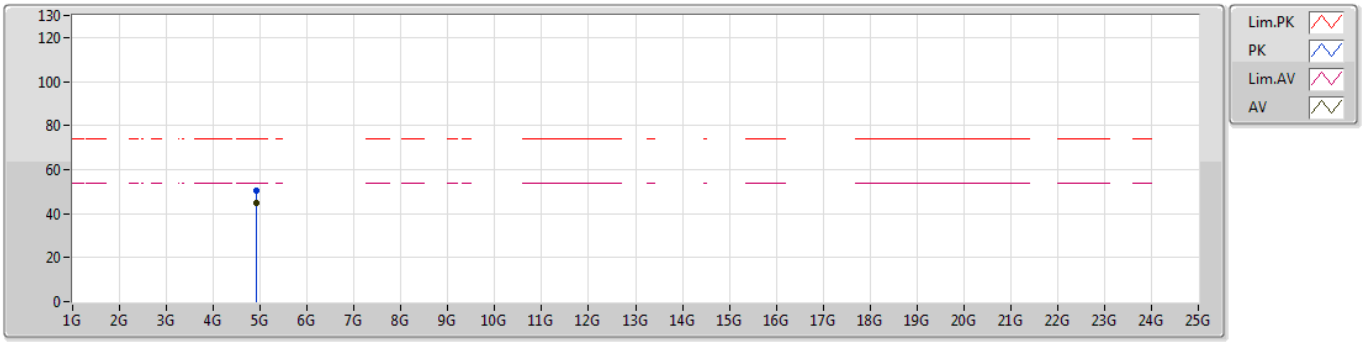
EUT Z_4TX
Setting 19
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92392G	49.99	74.00	-24.01	4.04	3	Vertical	342	1.41	-
AV	4.924G	45.14	54.00	-8.86	4.04	3	Vertical	342	1.41	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

08/04/2019



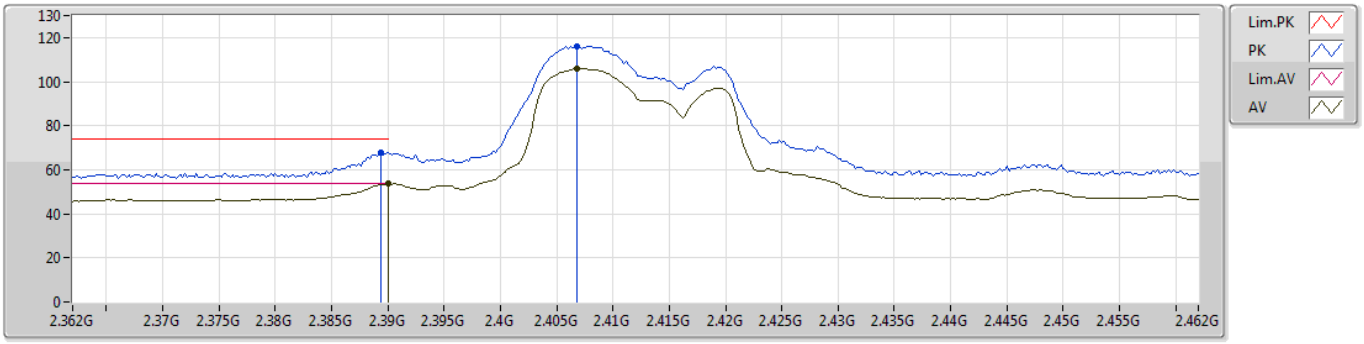
EUT Z_4TX
Setting 19
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92384G	50.71	74.00	-23.29	4.04	3	Horizontal	182	1.09	-
AV	4.924G	44.67	54.00	-9.33	4.04	3	Horizontal	182	1.09	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

09/04/2019



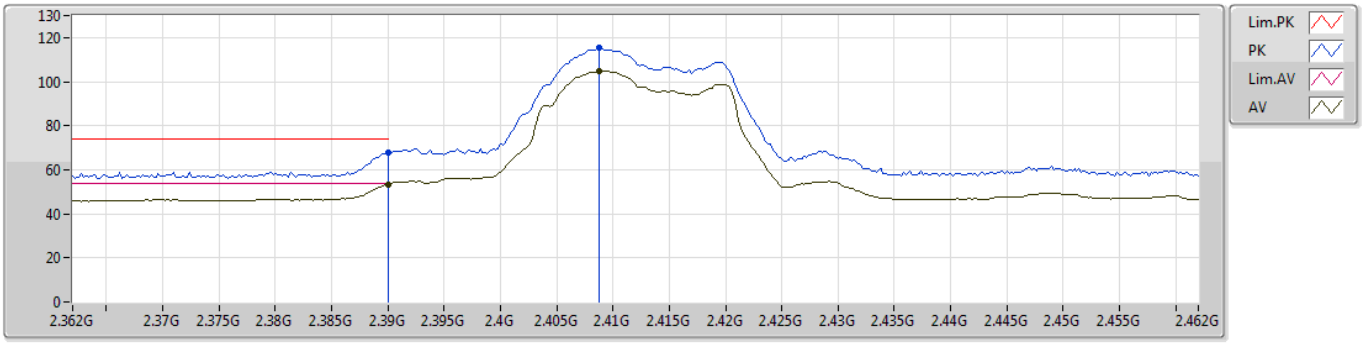
EUT Y_4TX
Setting 14
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	67.81	74.00	-6.19	30.80	3	Vertical	359	1.49	-
AV	2.39G	53.76	54.00	-0.24	30.80	3	Vertical	359	1.49	-
PK	2.4068G	116.24	Inf	-Inf	30.85	3	Vertical	359	1.49	-
AV	2.4068G	105.97	Inf	-Inf	30.85	3	Vertical	359	1.49	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

09/04/2019



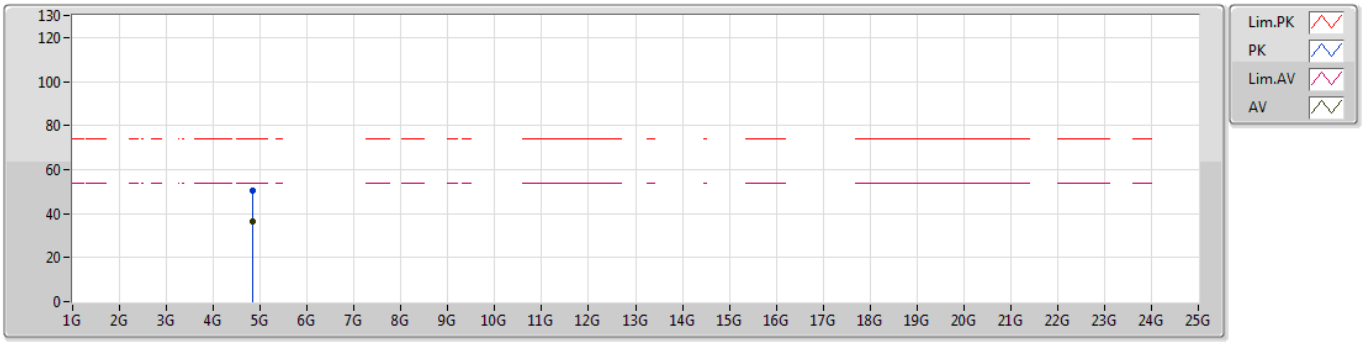
EUT Y_4TX
Setting 14
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	67.83	74.00	-6.17	30.80	3	Horizontal	7	1.95	-
AV	2.39G	53.25	54.00	-0.75	30.80	3	Horizontal	7	1.95	-
PK	2.4088G	115.52	Inf	-Inf	30.85	3	Horizontal	7	1.95	-
AV	2.4088G	104.92	Inf	-Inf	30.85	3	Horizontal	7	1.95	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

09/04/2019



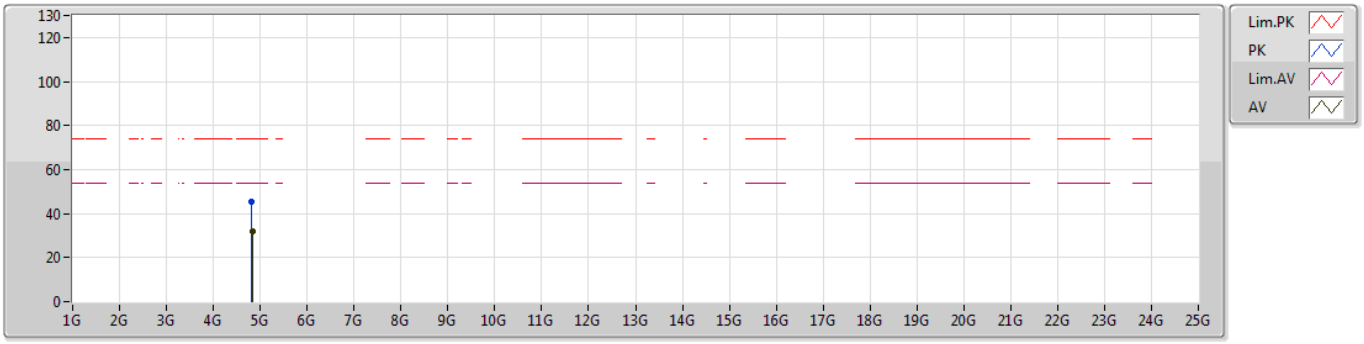
EUT Z_4TX
Setting 14
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82688G	50.38	74.00	-23.62	3.60	3	Vertical	291	1.61	-
AV	4.8272G	36.60	54.00	-17.40	3.60	3	Vertical	291	1.61	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

09/04/2019



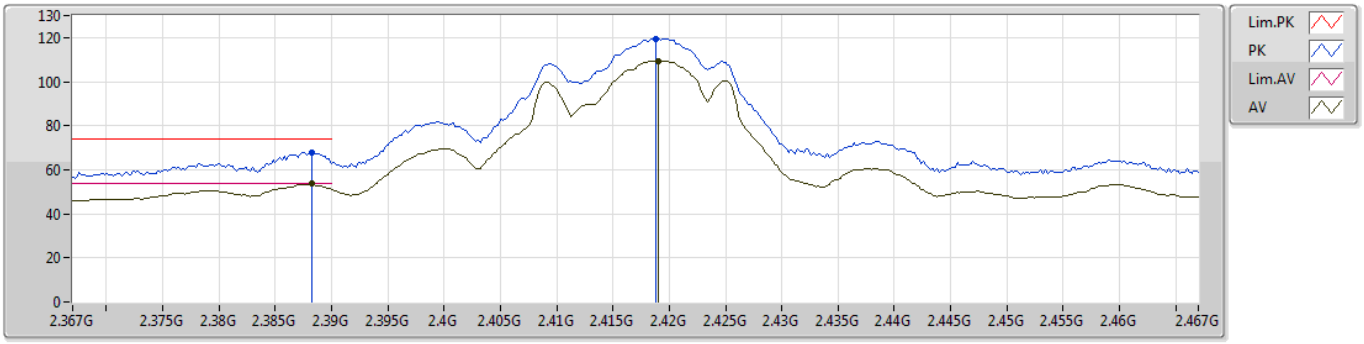
EUT Z_4TX
Setting 14
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81176G	45.40	74.00	-28.60	3.53	3	Horizontal	115	1.70	-
AV	4.82608G	32.05	54.00	-21.95	3.60	3	Horizontal	115	1.70	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

09/04/2019



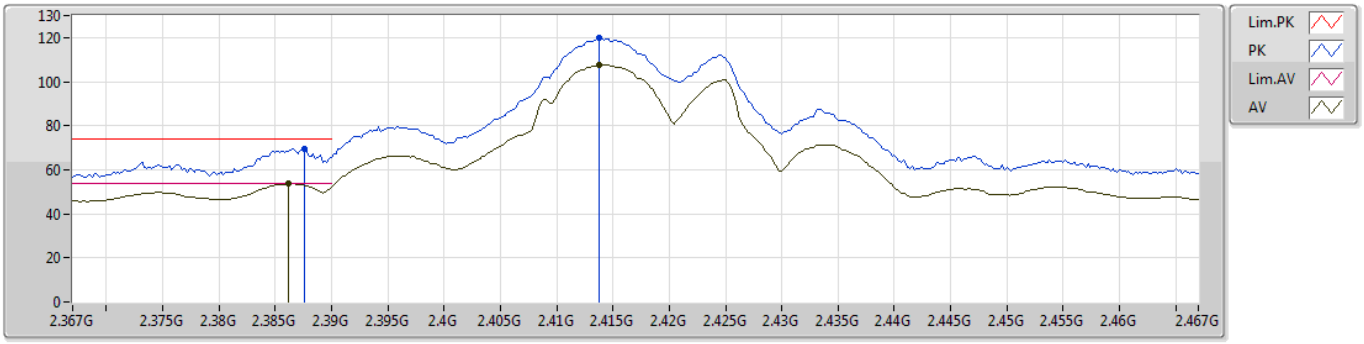
EUT Y_4TX
Setting 17
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	67.86	74.00	-6.14	30.79	3	Vertical	350	1.68	-
AV	2.3882G	53.82	54.00	-0.18	30.79	3	Vertical	350	1.68	-
PK	2.4188G	119.54	Inf	-Inf	30.87	3	Vertical	350	1.68	-
AV	2.419G	109.53	Inf	-Inf	30.87	3	Vertical	350	1.68	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

09/04/2019



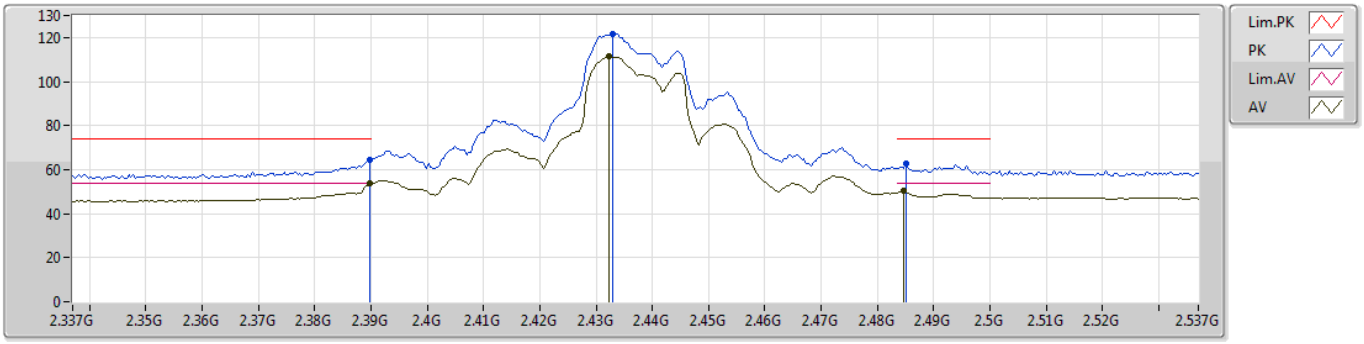
EUT Y_4TX
Setting 17
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	69.43	74.00	-4.57	30.79	3	Horizontal	9	1.97	-
AV	2.3862G	53.80	54.00	-0.20	30.79	3	Horizontal	9	1.97	-
PK	2.4138G	119.87	Inf	-Inf	30.86	3	Horizontal	9	1.97	-
AV	2.4138G	107.66	Inf	-Inf	30.86	3	Horizontal	9	1.97	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

09/04/2019



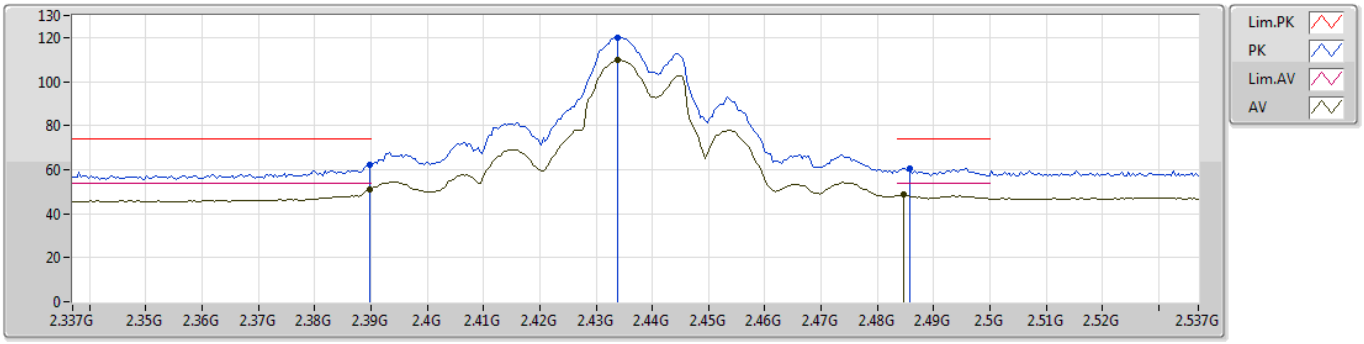
EUT Y_4TX
Setting 19.5
01-E-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	64.69	74.00	-9.31	30.80	3	Vertical	358	1.49	-
AV	2.3898G	53.88	54.00	-0.12	30.80	3	Vertical	358	1.49	-
PK	2.433G	121.64	Inf	-Inf	30.89	3	Vertical	358	1.49	-
AV	2.4322G	111.23	Inf	-Inf	30.89	3	Vertical	358	1.49	-
PK	2.485G	62.71	74.00	-11.29	30.97	3	Vertical	358	1.49	-
AV	2.4846G	50.20	54.00	-3.80	30.96	3	Vertical	358	1.49	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

09/04/2019



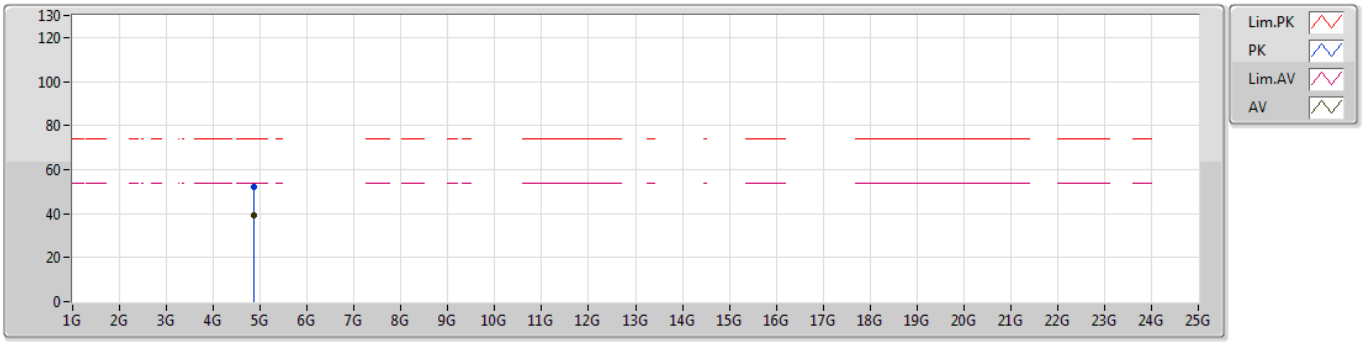
EUT Y_4TX
Setting 19.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	62.40	74.00	-11.60	30.80	3	Horizontal	8	1.78	-
AV	2.3898G	50.88	54.00	-3.12	30.80	3	Horizontal	8	1.78	-
PK	2.4338G	120.13	Inf	-Inf	30.89	3	Horizontal	8	1.78	-
AV	2.4338G	109.78	Inf	-Inf	30.89	3	Horizontal	8	1.78	-
PK	2.4858G	60.69	74.00	-13.31	30.97	3	Horizontal	8	1.78	-
AV	2.4846G	48.57	54.00	-5.43	30.96	3	Horizontal	8	1.78	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

09/04/2019



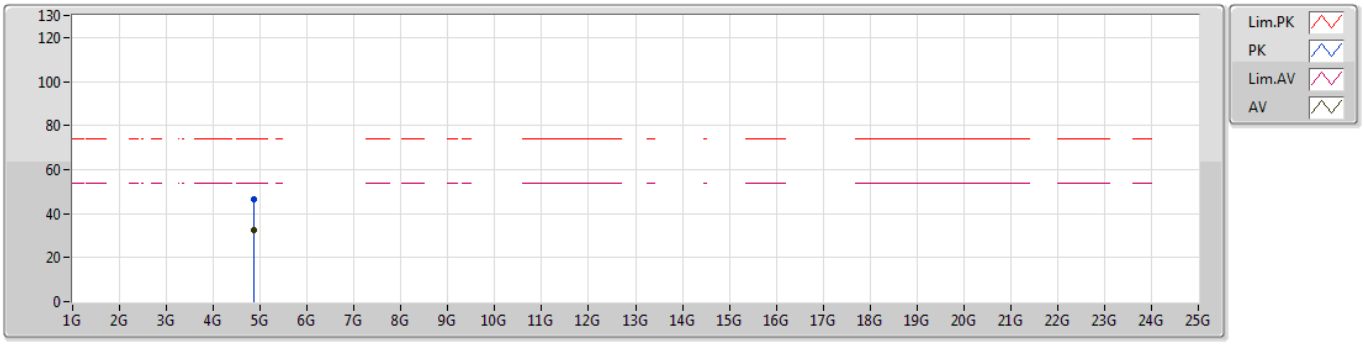
EUT Z_4TX
Setting 19.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86856G	51.89	74.00	-22.11	3.79	3	Vertical	246	1.73	-
AV	4.8676G	39.21	54.00	-14.79	3.78	3	Vertical	246	1.73	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

09/04/2019



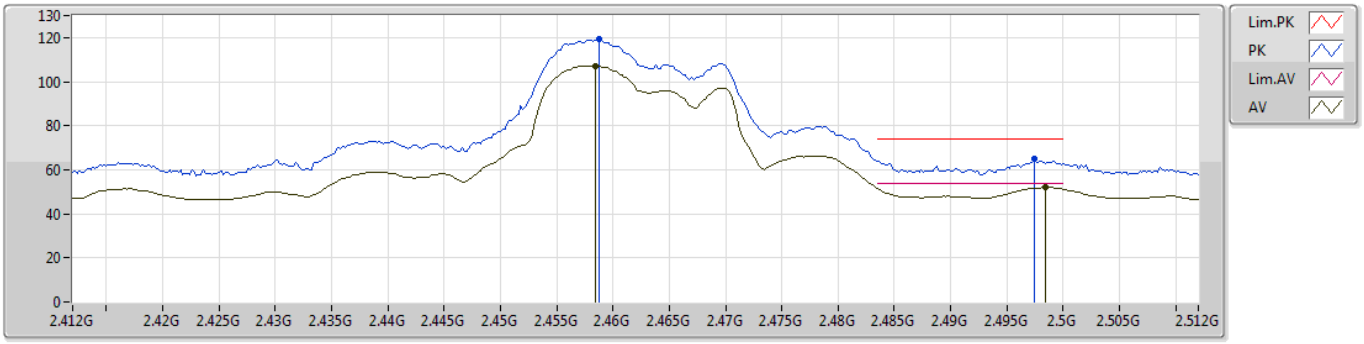
EUT Z_4TX
Setting 19.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86768G	46.35	74.00	-27.65	3.78	3	Horizontal	203	2.16	-
AV	4.86952G	32.69	54.00	-21.31	3.79	3	Horizontal	203	2.16	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

09/04/2019



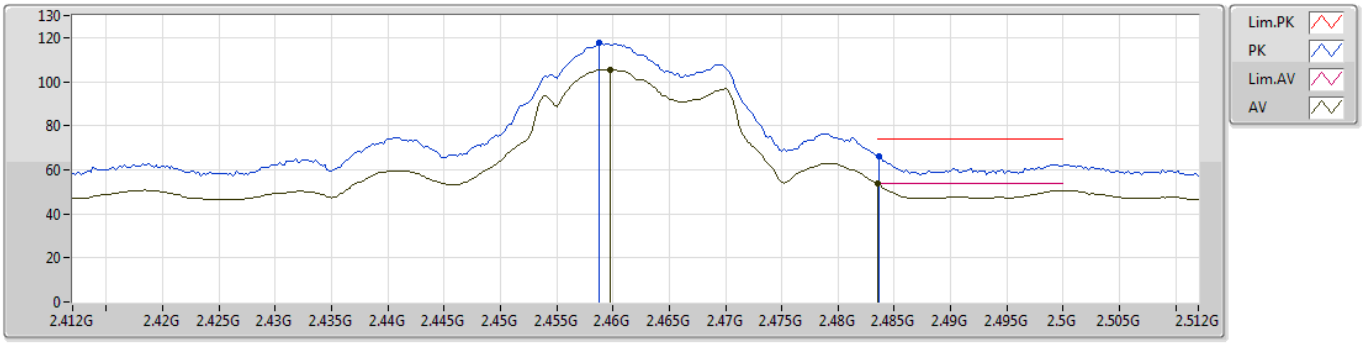
EUT Y_4TX
Setting 16.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4588G	119.22	Inf	-Inf	30.93	3	Vertical	358	1.50	-
AV	2.4584G	107.25	Inf	-Inf	30.93	3	Vertical	358	1.50	-
PK	2.4974G	64.95	74.00	-9.05	30.99	3	Vertical	358	1.50	-
AV	2.4984G	51.98	54.00	-2.02	30.99	3	Vertical	358	1.50	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

09/04/2019



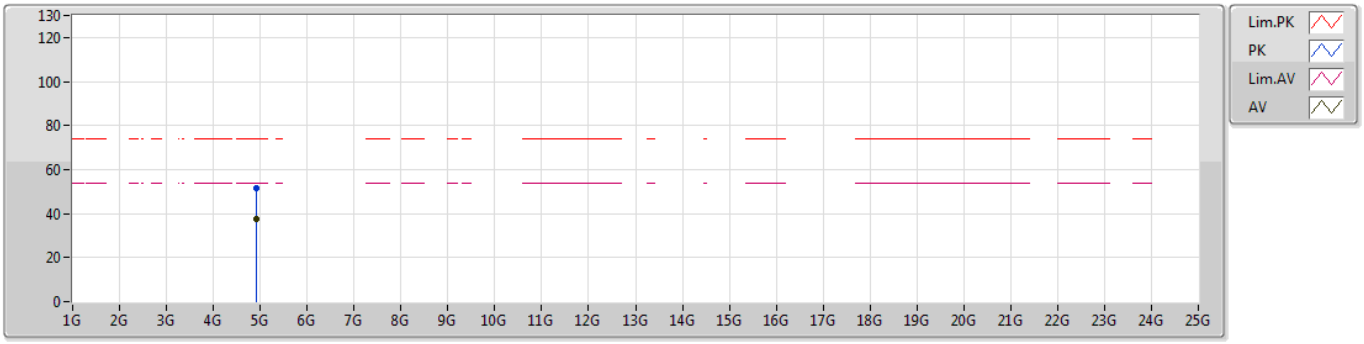
EUT Y_4TX
Setting 16.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4588G	117.55	Inf	-Inf	30.93	3	Horizontal	7	1.95	-
AV	2.4598G	105.59	Inf	-Inf	30.93	3	Horizontal	7	1.95	-
PK	2.4836G	66.38	74.00	-7.62	30.96	3	Horizontal	7	1.95	-
AV	2.4835G	53.76	54.00	-0.24	30.96	3	Horizontal	7	1.95	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

09/04/2019



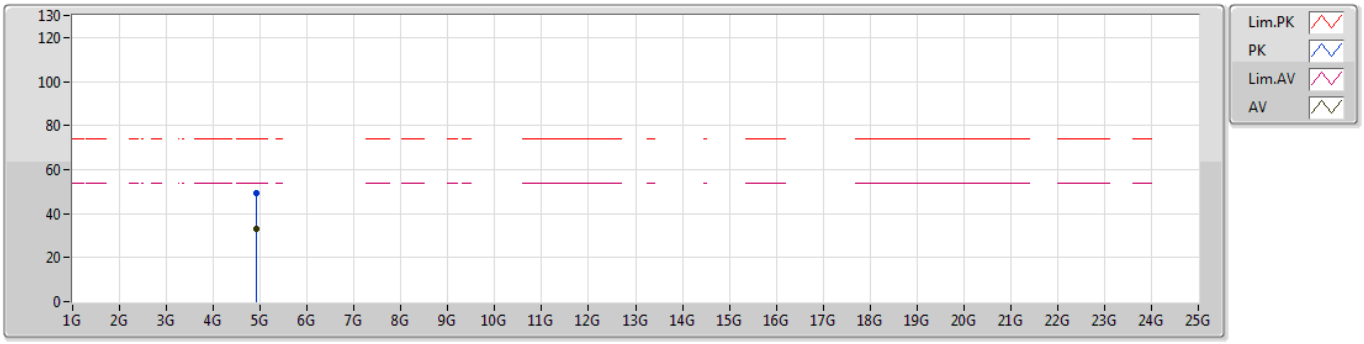
EUT Z_4TX
Setting 16.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91848G	51.83	74.00	-22.17	4.02	3	Vertical	244	2.21	-
AV	4.91752G	37.65	54.00	-16.35	4.01	3	Vertical	244	2.21	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

09/04/2019



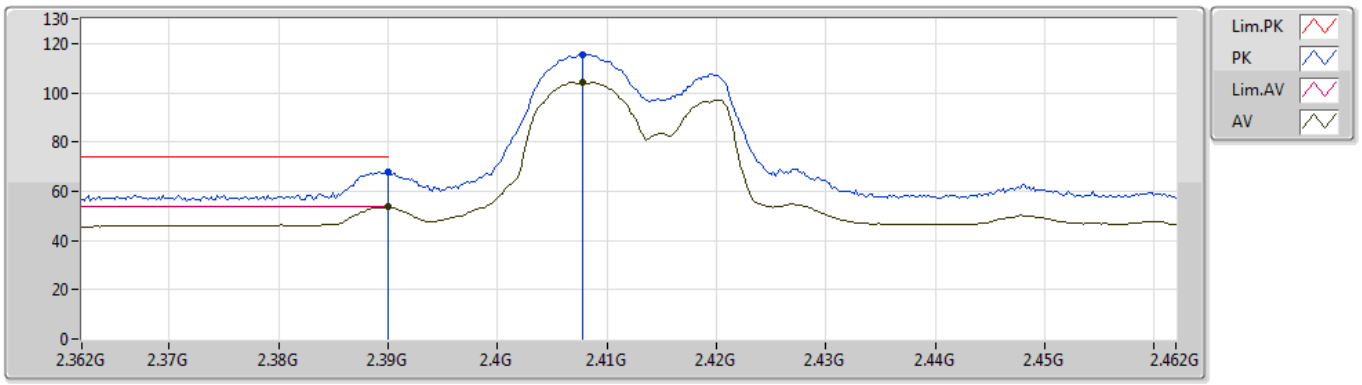
EUT Z_4TX
Setting 16.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92104G	49.20	74.00	-24.80	4.03	3	Horizontal	330	1.39	-
AV	4.91736G	32.80	54.00	-21.20	4.01	3	Horizontal	330	1.39	-

VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

19/04/2019



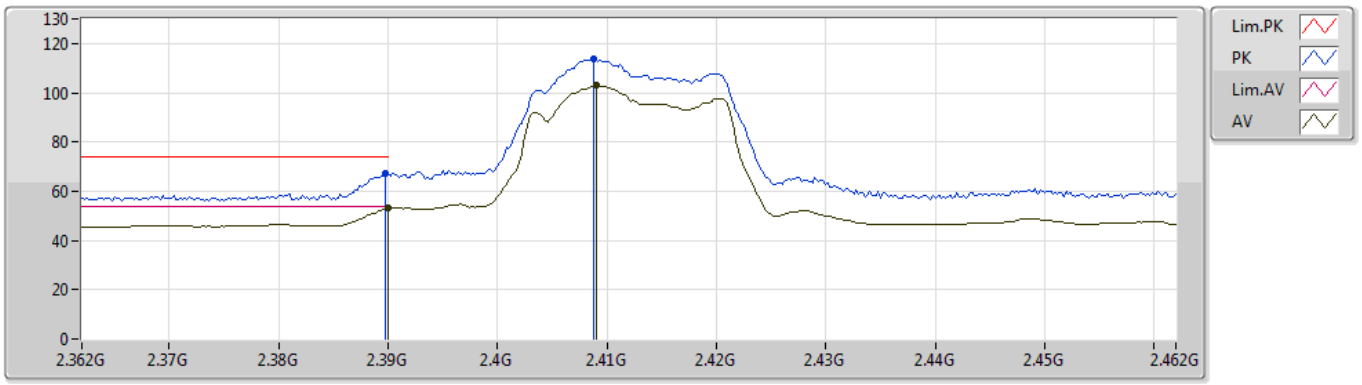
EUT Y_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	67.99	74.00	-6.01	30.80	3	Vertical	0	1.69	-
AV	2.39G	53.88	54.00	-0.12	30.80	3	Vertical	0	1.69	-
PK	2.4078G	115.65	Inf	-Inf	30.85	3	Vertical	0	1.69	-
AV	2.4078G	104.49	Inf	-Inf	30.85	3	Vertical	0	1.69	-

VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

19/04/2019



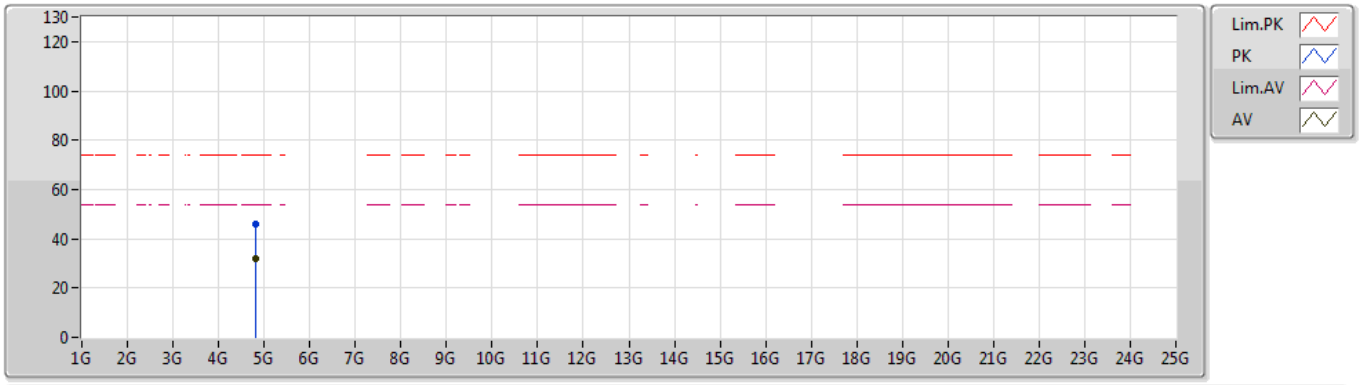
EUT Y_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	67.19	74.00	-6.81	30.80	3	Horizontal	7	1.96	-
AV	2.39G	53.04	54.00	-0.96	30.80	3	Horizontal	7	1.96	-
PK	2.4088G	114.01	Inf	-Inf	30.85	3	Horizontal	7	1.96	-
AV	2.409G	102.83	Inf	-Inf	30.85	3	Horizontal	7	1.96	-

VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

19/04/2019



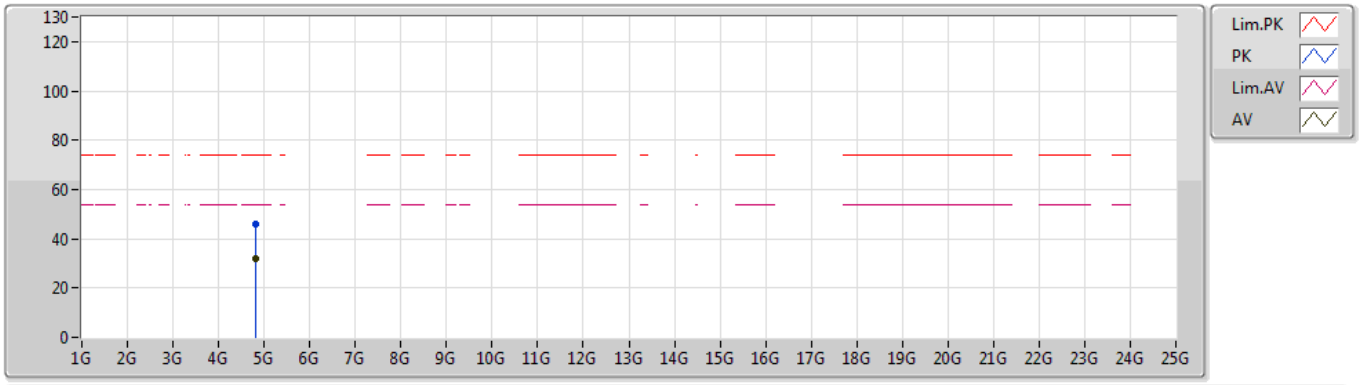
EUT Z_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.816G	45.67	74.00	-28.33	3.55	3	Vertical	187	2.38	-
AV	4.824G	31.94	54.00	-22.06	3.59	3	Vertical	187	2.38	-

VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

19/04/2019



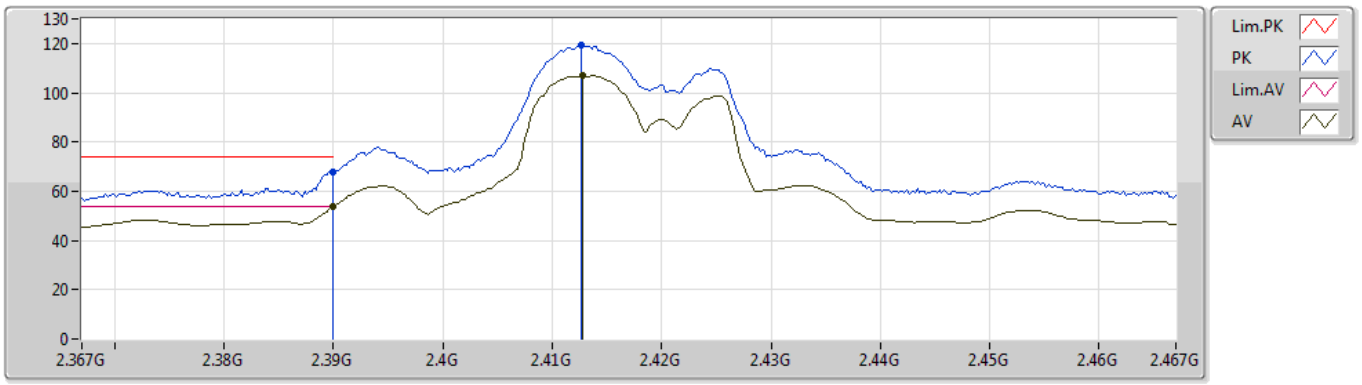
EUT Z_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82456G	45.78	74.00	-28.22	3.59	3	Horizontal	204	1.75	-
AV	4.82448G	31.97	54.00	-22.03	3.59	3	Horizontal	204	1.75	-

VHT20_Nss1,(MCS0)_4TX

2417MHz_TX

19/04/2019



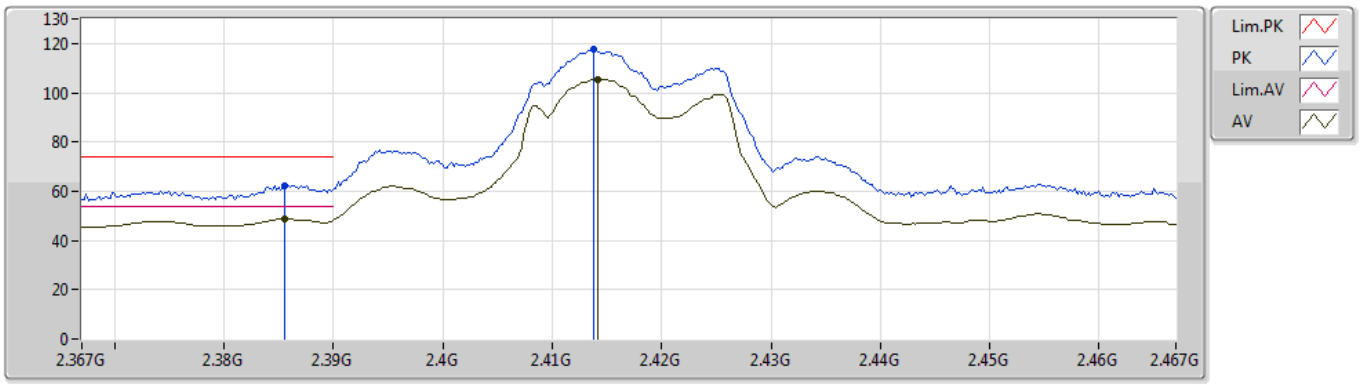
EUT Y_4TX
Setting 16.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	67.93	74.00	-6.07	30.80	3	Vertical	0	1.66	-
AV	2.39G	53.77	54.00	-0.23	30.80	3	Vertical	0	1.66	-
PK	2.4126G	119.28	Inf	-Inf	30.86	3	Vertical	0	1.66	-
AV	2.4128G	107.29	Inf	-Inf	30.86	3	Vertical	0	1.66	-

VHT20_Nss1,(MCS0)_4TX

2417MHz_TX

19/04/2019



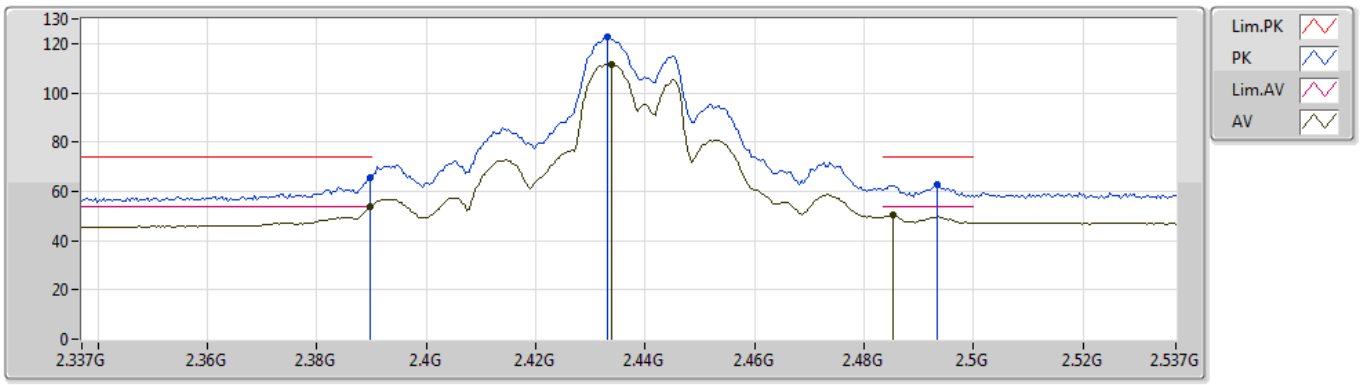
EUT Y_4TX
Setting 16.5
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3856G	62.43	74.00	-11.57	30.79	3	Horizontal	8	1.97	-
AV	2.3856G	48.96	54.00	-5.04	30.79	3	Horizontal	8	1.97	-
PK	2.4138G	117.53	Inf	-Inf	30.86	3	Horizontal	8	1.97	-
AV	2.4142G	105.53	Inf	-Inf	30.86	3	Horizontal	8	1.97	-

VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



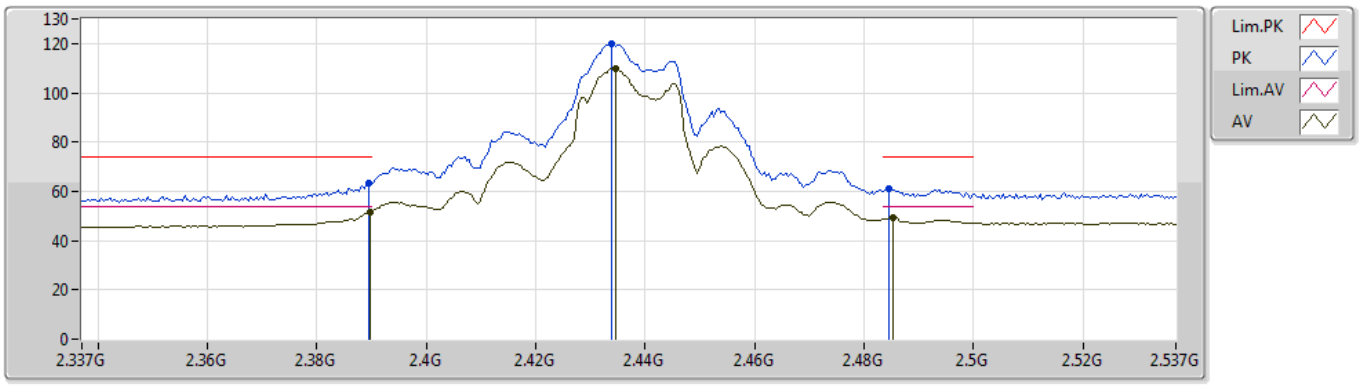
EUT Y_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	65.58	74.00	-8.42	30.80	3	Vertical	0	1.66	-
AV	2.3898G	53.83	54.00	-0.17	30.80	3	Vertical	0	1.66	-
PK	2.433G	122.47	Inf	-Inf	30.89	3	Vertical	0	1.66	-
AV	2.4338G	111.77	Inf	-Inf	30.89	3	Vertical	0	1.66	-
PK	2.4934G	62.60	74.00	-11.40	30.98	3	Vertical	0	1.66	-
AV	2.4854G	50.25	54.00	-3.75	30.97	3	Vertical	0	1.66	-

VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



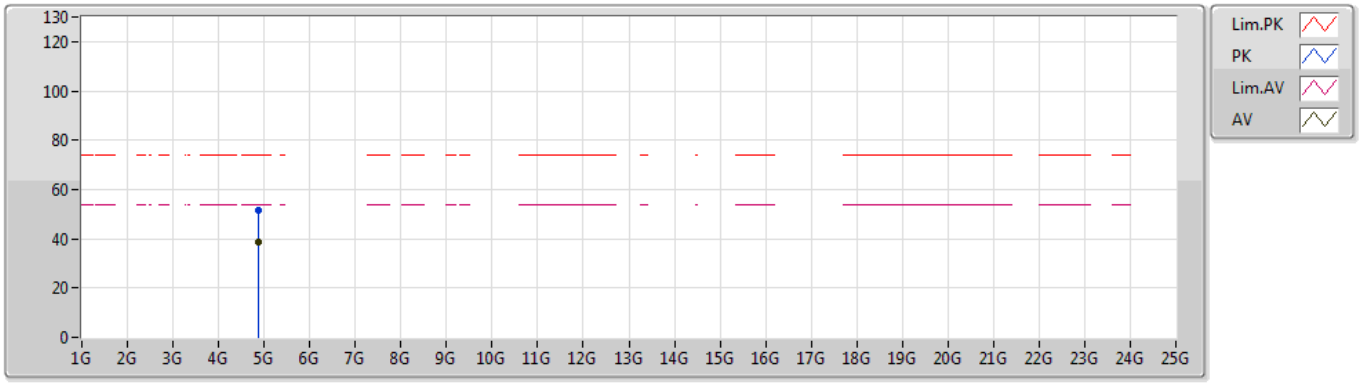
EUT Y_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	63.17	74.00	-10.83	30.80	3	Horizontal	7	1.79	-
AV	2.3898G	51.70	54.00	-2.30	30.80	3	Horizontal	7	1.79	-
PK	2.4338G	119.83	Inf	-Inf	30.89	3	Horizontal	7	1.79	-
AV	2.4346G	109.73	Inf	-Inf	30.89	3	Horizontal	7	1.79	-
PK	2.4846G	60.83	74.00	-13.17	30.96	3	Horizontal	7	1.79	-
AV	2.4854G	49.37	54.00	-4.63	30.97	3	Horizontal	7	1.79	-

VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



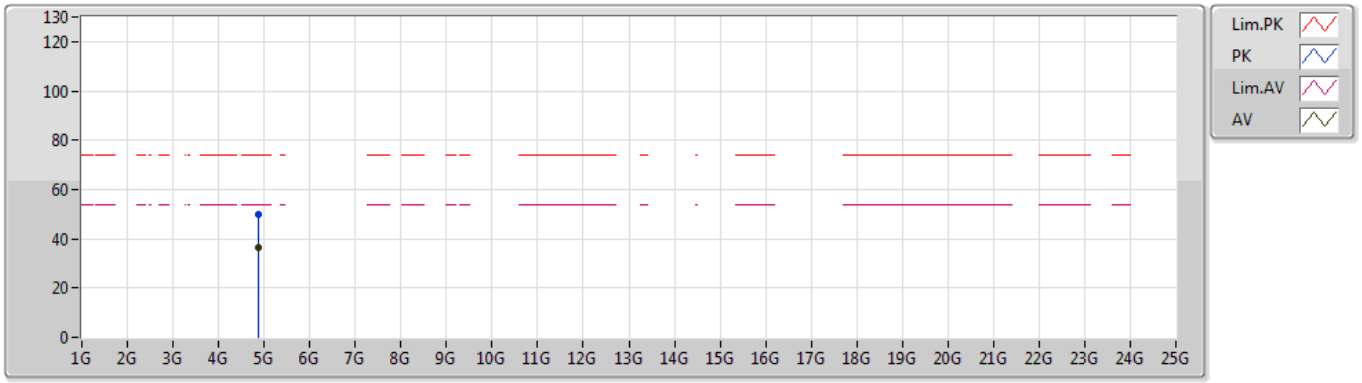
EUT Z_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.868G	51.46	74.00	-22.54	3.78	3	Vertical	247	1.76	-
AV	4.8684G	38.72	54.00	-15.28	3.79	3	Vertical	247	1.76	-

VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



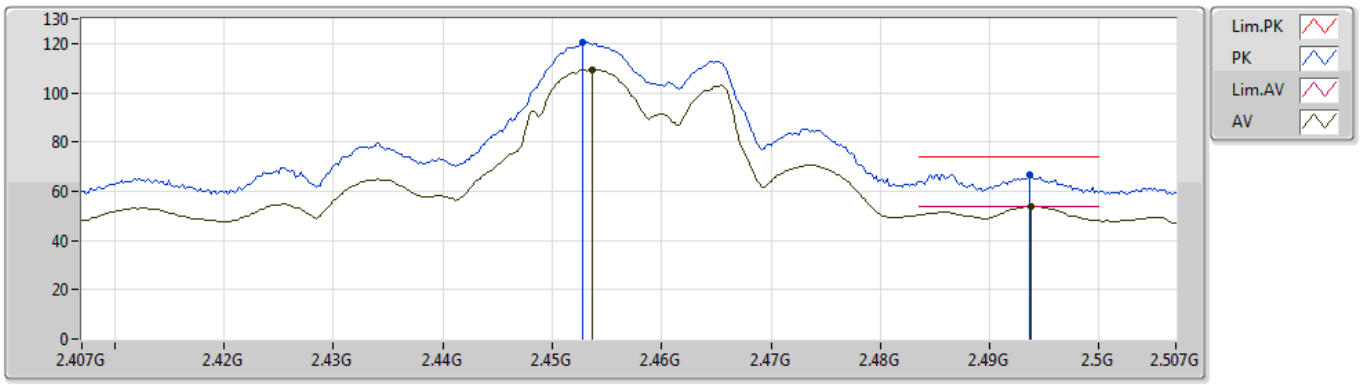
EUT Z_4TX
Setting 20
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86736G	49.72	74.00	-24.28	3.78	3	Horizontal	244	2.16	-
AV	4.86664G	36.35	54.00	-17.65	3.78	3	Horizontal	244	2.16	-

VHT20_Nss1,(MCS0)_4TX

2457MHz_TX

19/04/2019



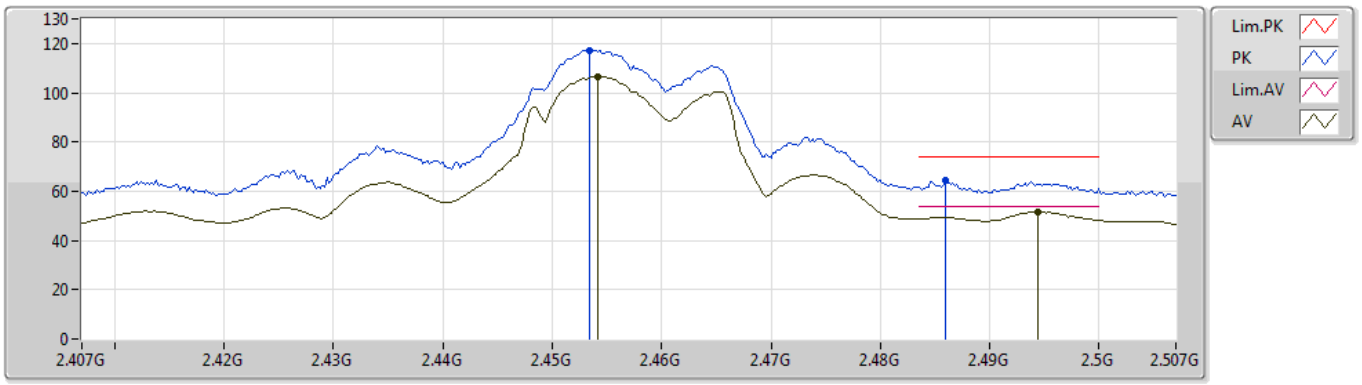
EUT Y_4TX
Setting 18
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4528G	120.47	Inf	-Inf	30.92	3	Vertical	359	1.80	-
AV	2.4536G	109.41	Inf	-Inf	30.92	3	Vertical	359	1.80	-
PK	2.4936G	66.96	74.00	-7.04	30.98	3	Vertical	359	1.80	-
AV	2.4938G	53.84	54.00	-0.16	30.98	3	Vertical	359	1.80	-

VHT20_Nss1,(MCS0)_4TX

2457MHz_TX

19/04/2019



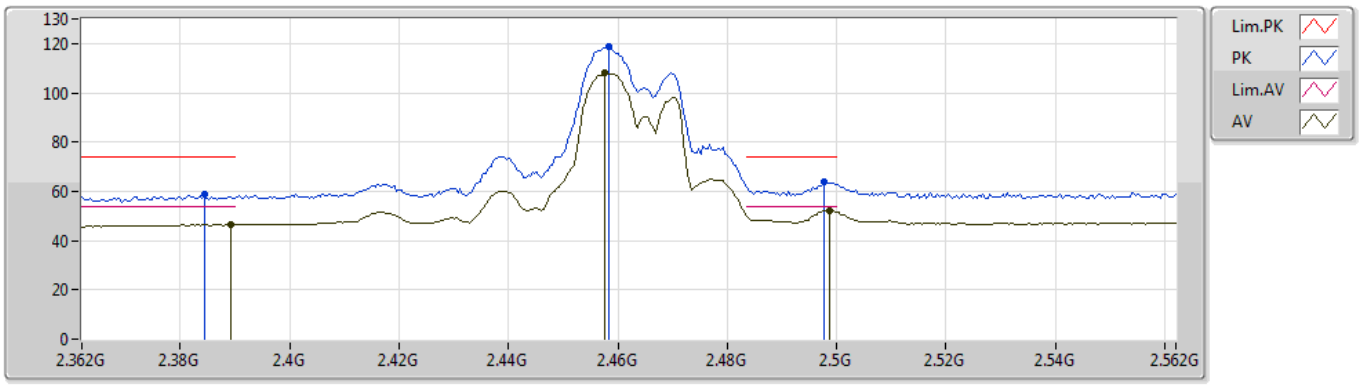
EUT Y_4TX
Setting 18
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4534G	117.31	Inf	-Inf	30.92	3	Horizontal	9	1.80	-
AV	2.4542G	106.64	Inf	-Inf	30.92	3	Horizontal	9	1.80	-
PK	2.486G	64.17	74.00	-9.83	30.97	3	Horizontal	9	1.80	-
AV	2.4944G	51.52	54.00	-2.48	30.98	3	Horizontal	9	1.80	-

VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

19/04/2019



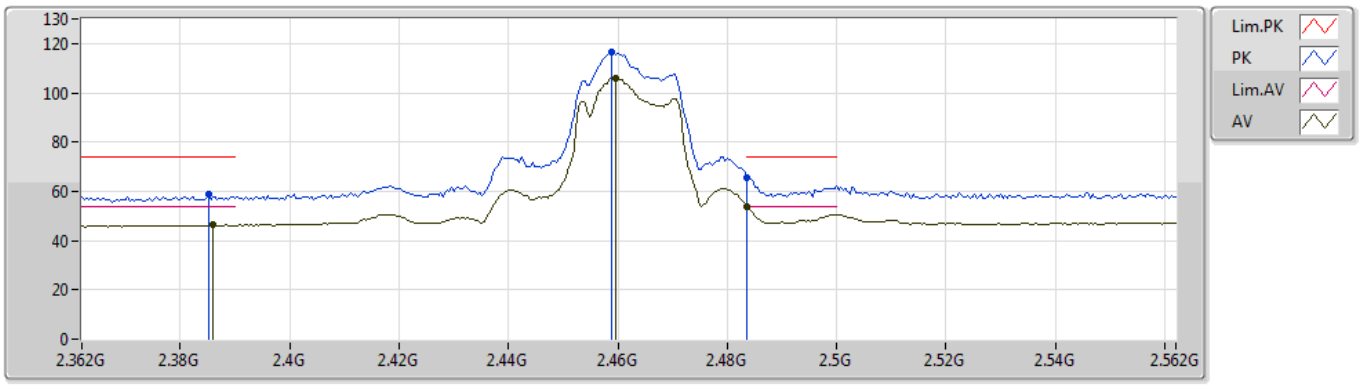
EUT Y_4TX
Setting 16
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3844G	59.09	74.00	-14.91	30.78	3	Vertical	359	1.50	-
AV	2.3892G	46.43	54.00	-7.57	30.80	3	Vertical	359	1.50	-
PK	2.4584G	118.55	Inf	-Inf	30.93	3	Vertical	359	1.50	-
AV	2.4576G	107.88	Inf	-Inf	30.93	3	Vertical	359	1.50	-
PK	2.4976G	64.06	74.00	-9.94	30.99	3	Vertical	359	1.50	-
AV	2.4988G	52.21	54.00	-1.79	30.99	3	Vertical	359	1.50	-

VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

19/04/2019



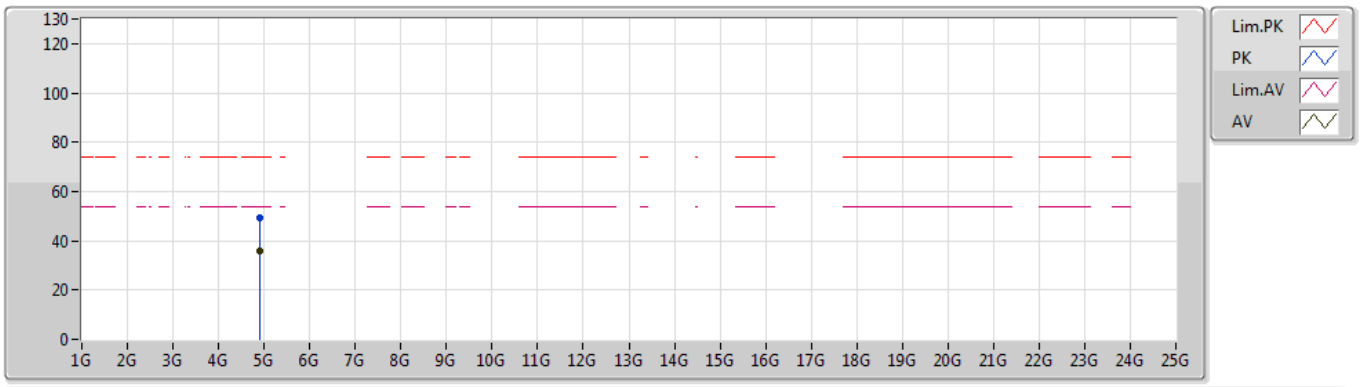
EUT Y_4TX
Setting 16
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3852G	58.73	74.00	-15.27	30.79	3	Horizontal	6	1.93	-
AV	2.386G	46.27	54.00	-7.73	30.79	3	Horizontal	6	1.93	-
PK	2.4588G	116.29	Inf	-Inf	30.93	3	Horizontal	6	1.93	-
AV	2.4596G	105.94	Inf	-Inf	30.93	3	Horizontal	6	1.93	-
PK	2.4835G	65.50	74.00	-8.50	30.96	3	Horizontal	6	1.93	-
AV	2.4835G	53.96	54.00	-0.04	30.96	3	Horizontal	6	1.93	-

VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

19/04/2019



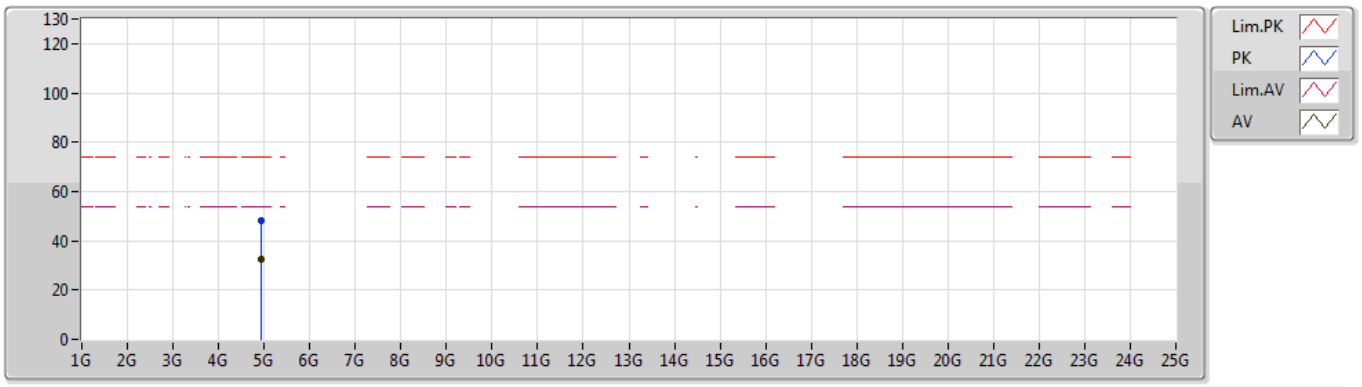
EUT Z_4TX
Setting 16
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91808G	49.56	74.00	-24.44	4.01	3	Vertical	245	1.89	-
AV	4.9168G	35.73	54.00	-18.27	4.01	3	Vertical	245	1.89	-

VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

19/04/2019



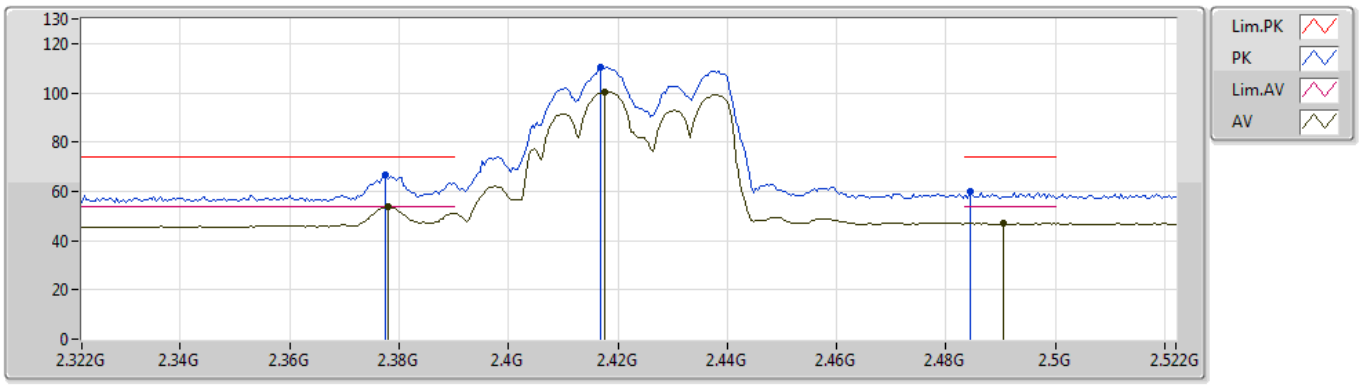
EUT Z_4TX
Setting 16
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92864G	47.96	74.00	-26.04	4.06	3	Horizontal	198	2.45	-
AV	4.928G	32.61	54.00	-21.39	4.05	3	Horizontal	198	2.45	-

VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

19/04/2019



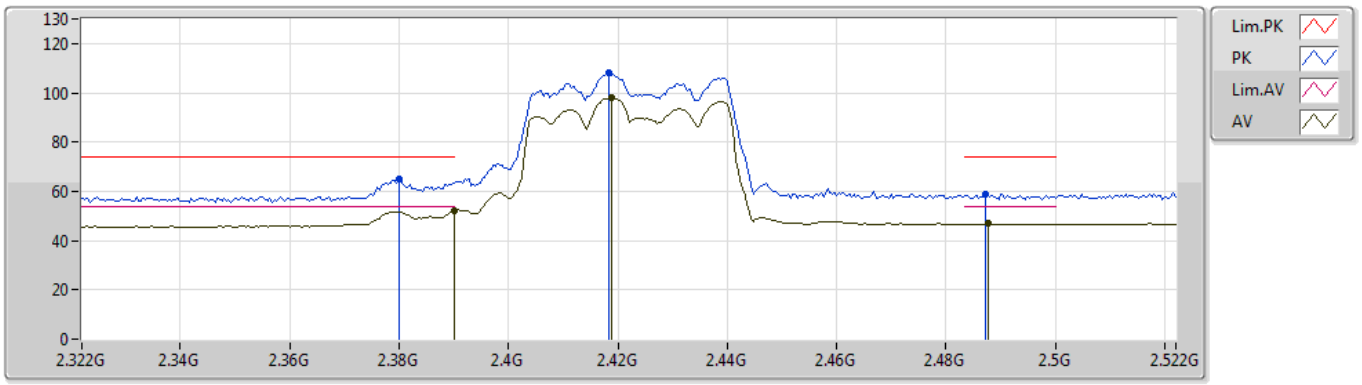
EUT Y_4TX
Setting 11
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3776G	66.50	74.00	-7.50	30.75	3	Vertical	360	1.69	-
AV	2.378G	53.88	54.00	-0.12	30.75	3	Vertical	360	1.69	-
PK	2.4168G	110.43	Inf	-Inf	30.87	3	Vertical	360	1.69	-
AV	2.4176G	100.53	Inf	-Inf	30.87	3	Vertical	360	1.69	-
PK	2.4844G	59.97	74.00	-14.03	30.96	3	Vertical	360	1.69	-
AV	2.4904G	47.00	54.00	-7.00	30.98	3	Vertical	360	1.69	-

VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

19/04/2019



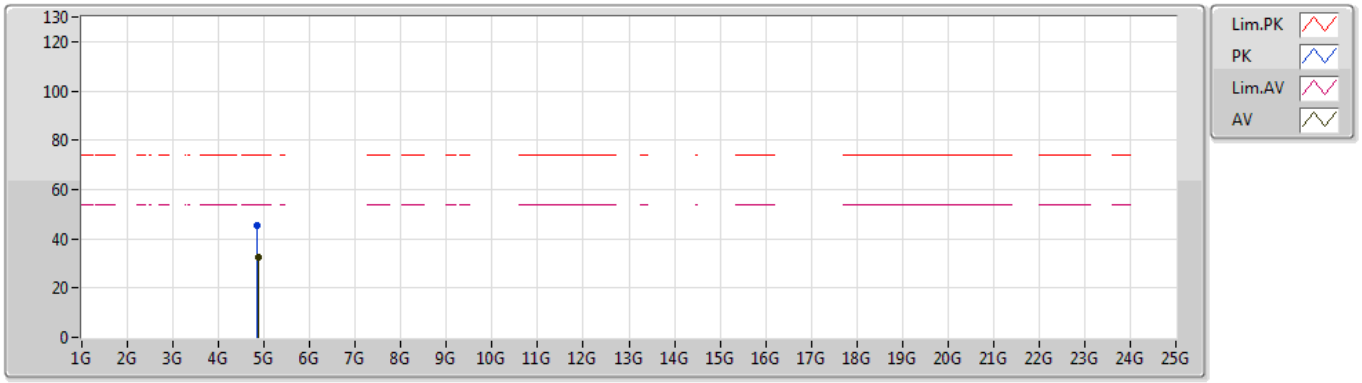
EUT Y_4TX
Setting 11
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.38G	65.02	74.00	-8.98	30.76	3	Horizontal	6	1.83	-
AV	2.39G	52.03	54.00	-1.97	30.80	3	Horizontal	6	1.83	-
PK	2.4184G	108.18	Inf	-Inf	30.87	3	Horizontal	6	1.83	-
AV	2.4188G	97.94	Inf	-Inf	30.87	3	Horizontal	6	1.83	-
PK	2.4872G	58.87	74.00	-15.13	30.97	3	Horizontal	6	1.83	-
AV	2.4876G	46.84	54.00	-7.16	30.97	3	Horizontal	6	1.83	-

VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

19/04/2019



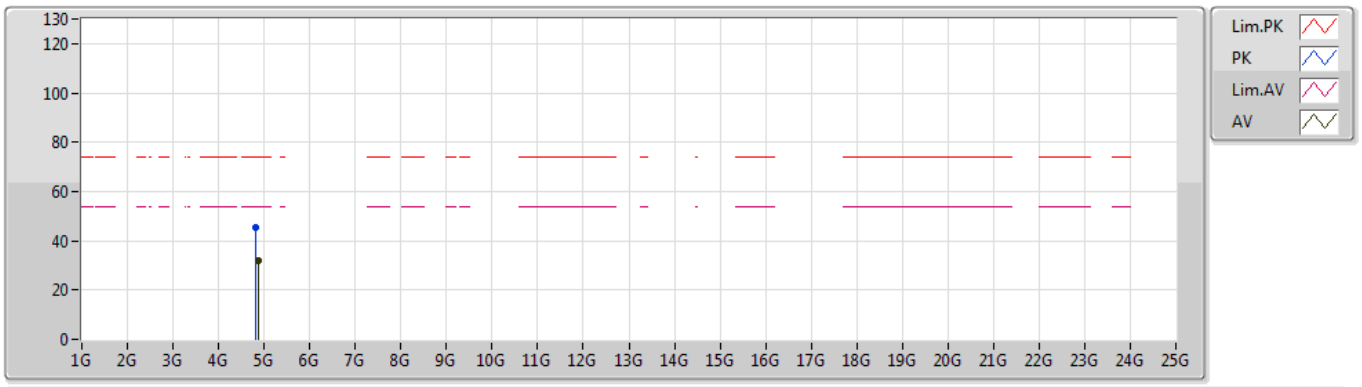
EUT Z_4TX
Setting 11
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8336G	45.15	74.00	-28.85	3.63	3	Vertical	265	2.02	-
AV	4.8624G	32.23	54.00	-21.77	3.76	3	Vertical	265	2.02	-

VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

19/04/2019



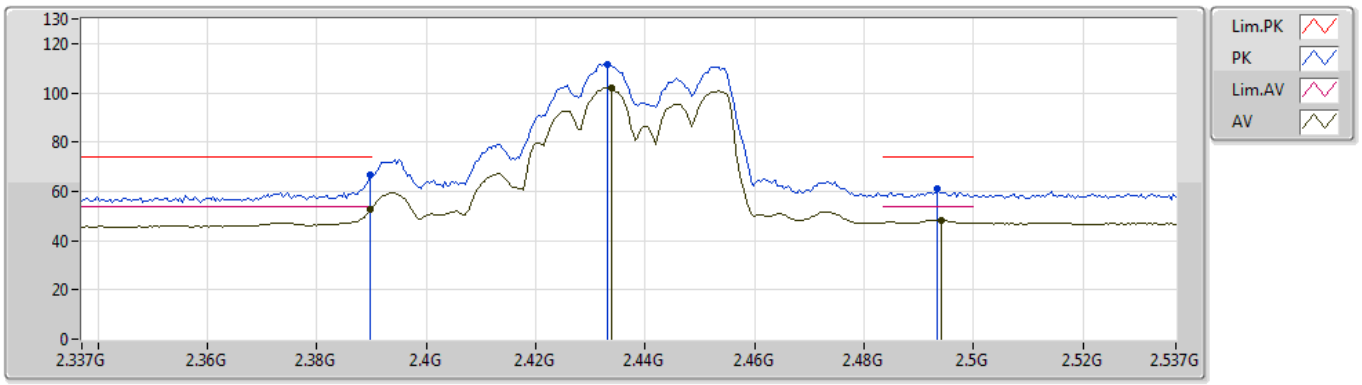
EUT Z_4TX
Setting 11
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82656G	45.17	74.00	-28.83	3.60	3	Horizontal	203	1.16	-
AV	4.86048G	32.14	54.00	-21.86	3.75	3	Horizontal	203	1.16	-

VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



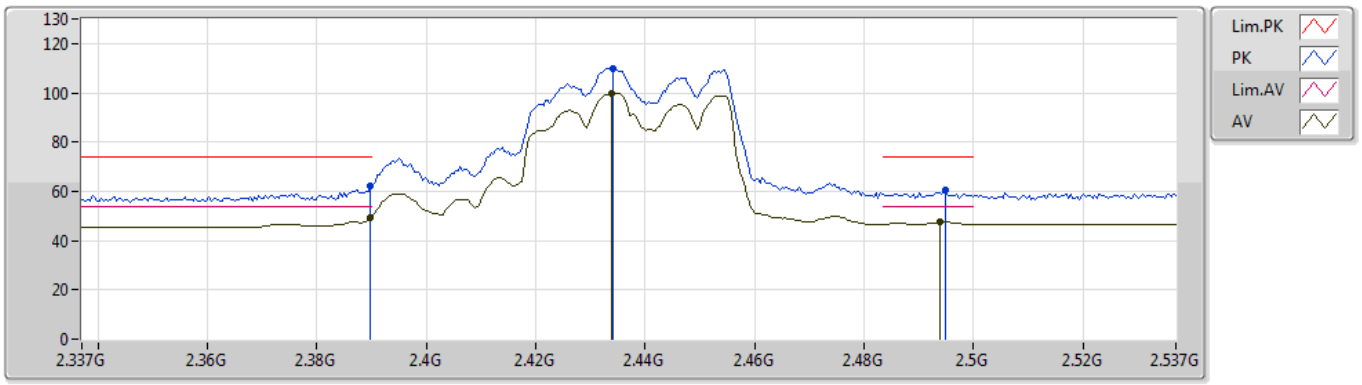
EUT Y_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	66.96	74.00	-7.04	30.80	3	Vertical	0	1.60	-
AV	2.3898G	52.80	54.00	-1.20	30.80	3	Vertical	0	1.60	-
PK	2.433G	111.77	Inf	-Inf	30.89	3	Vertical	0	1.60	-
AV	2.4338G	101.96	Inf	-Inf	30.89	3	Vertical	0	1.60	-
PK	2.4934G	61.16	74.00	-12.84	30.98	3	Vertical	0	1.60	-
AV	2.4942G	48.33	54.00	-5.67	30.98	3	Vertical	0	1.60	-

VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



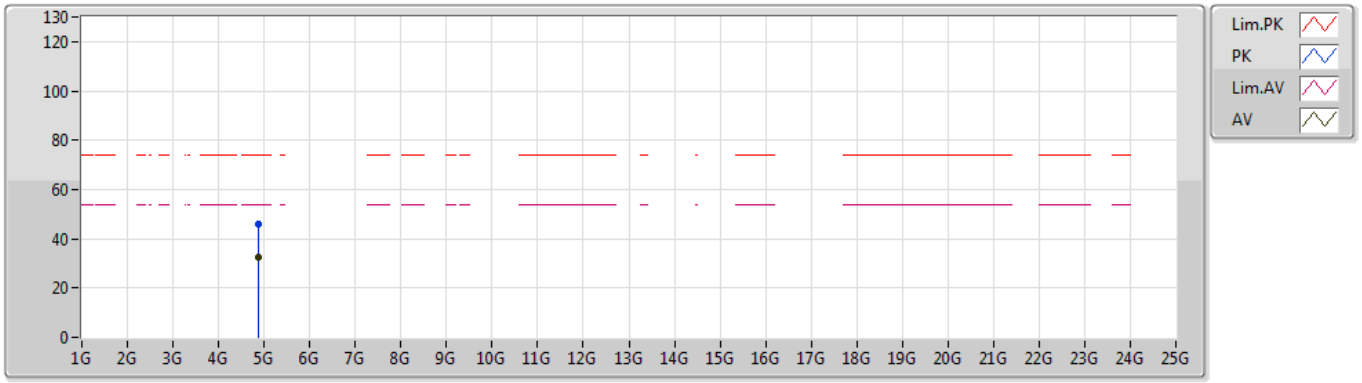
EUT Y_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	62.32	74.00	-11.68	30.80	3	Horizontal	7	1.76	-
AV	2.3898G	49.42	54.00	-4.58	30.80	3	Horizontal	7	1.76	-
PK	2.4342G	110.10	Inf	-Inf	30.89	3	Horizontal	7	1.76	-
AV	2.4338G	99.93	Inf	-Inf	30.89	3	Horizontal	7	1.76	-
PK	2.495G	60.65	74.00	-13.35	30.99	3	Horizontal	7	1.76	-
AV	2.4938G	47.48	54.00	-6.52	30.98	3	Horizontal	7	1.76	-

VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



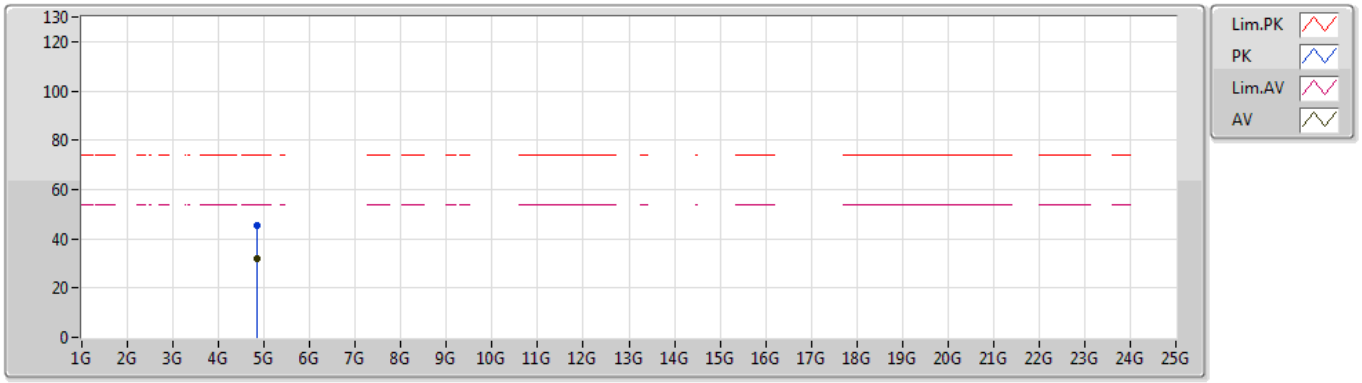
EUT Z_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86976G	45.68	74.00	-28.32	3.79	3	Vertical	149	2.17	-
AV	4.85944G	32.24	54.00	-21.76	3.75	3	Vertical	149	2.17	-

VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

19/04/2019



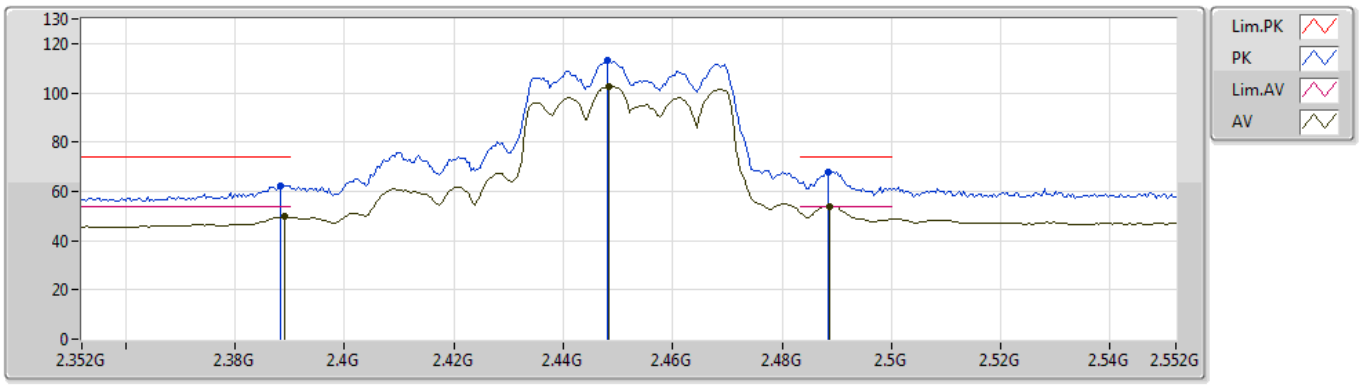
EUT Z_4TX
Setting 13
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.85816G	45.51	74.00	-28.49	3.74	3	Horizontal	317	1.89	-
AV	4.8568G	32.16	54.00	-21.84	3.74	3	Horizontal	317	1.89	-

VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

19/04/2019



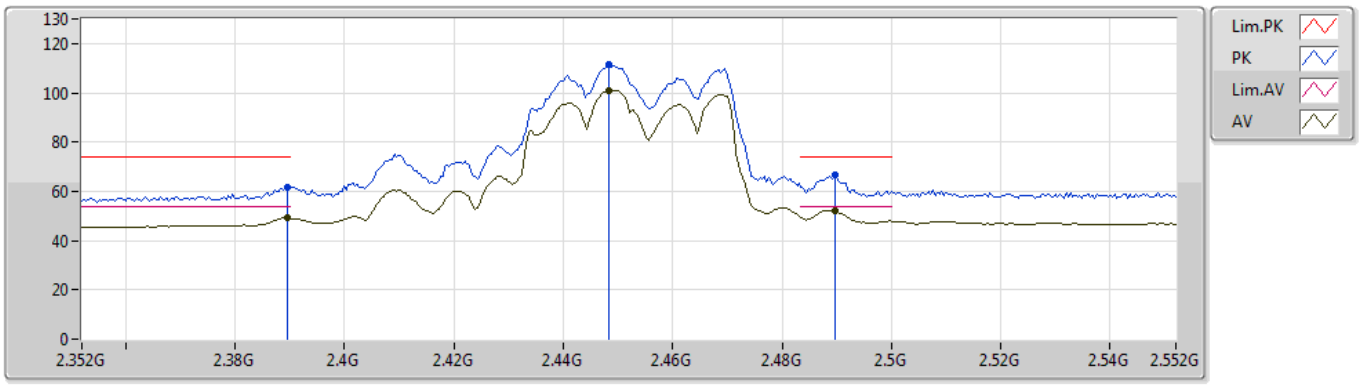
EUT Y_4TX
Setting 14
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	62.39	74.00	-11.61	30.80	3	Vertical	357	1.85	-
AV	2.3892G	49.69	54.00	-4.31	30.80	3	Vertical	357	1.85	-
PK	2.448G	112.98	Inf	-Inf	30.91	3	Vertical	357	1.85	-
AV	2.4484G	102.70	Inf	-Inf	30.91	3	Vertical	357	1.85	-
PK	2.4884G	67.84	74.00	-6.16	30.97	3	Vertical	357	1.85	-
AV	2.4888G	53.78	54.00	-0.22	30.97	3	Vertical	357	1.85	-

VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

19/04/2019



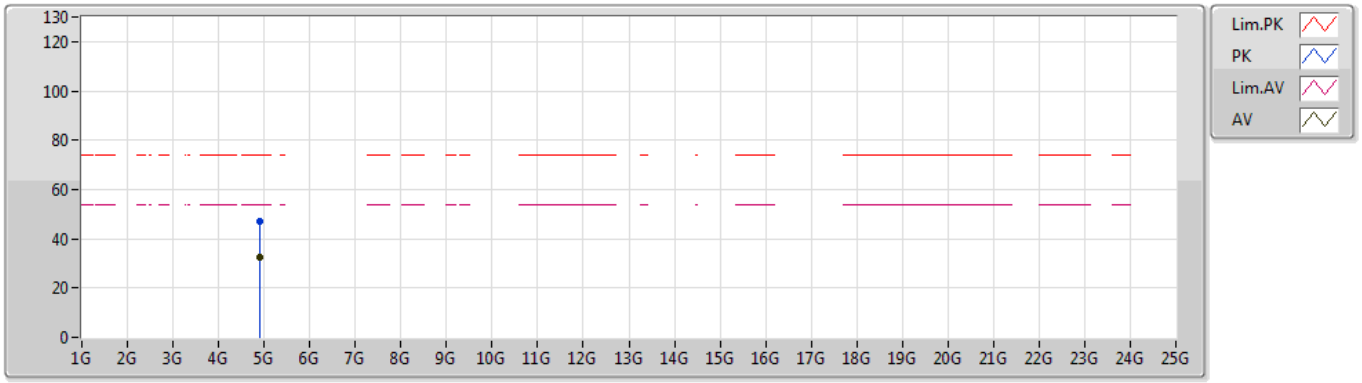
EUT Y_4TX
Setting 14
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	61.51	74.00	-12.49	30.80	3	Horizontal	8	1.76	-
AV	2.3896G	49.24	54.00	-4.76	30.80	3	Horizontal	8	1.76	-
PK	2.4484G	111.40	Inf	-Inf	30.91	3	Horizontal	8	1.76	-
AV	2.4484G	101.06	Inf	-Inf	30.91	3	Horizontal	8	1.76	-
PK	2.4896G	66.53	74.00	-7.47	30.97	3	Horizontal	8	1.76	-
AV	2.4896G	52.17	54.00	-1.83	30.97	3	Horizontal	8	1.76	-

VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

19/04/2019



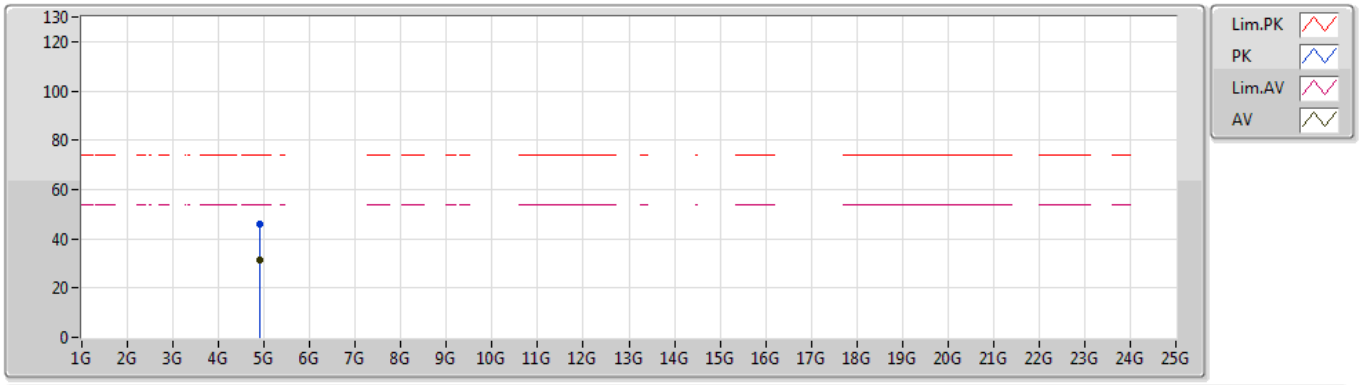
EUT Z_4TX
Setting 14
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.89096G	46.94	74.00	-27.06	3.89	3	Vertical	243	1.49	-
AV	4.89776G	32.42	54.00	-21.58	3.92	3	Vertical	243	1.49	-

VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

19/04/2019



EUT Z_4TX
Setting 14
01-N-2
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.89016G	45.89	74.00	-28.11	3.89	3	Horizontal	157	1.01	-
AV	4.90192G	31.53	54.00	-22.47	3.94	3	Horizontal	157	1.01	-

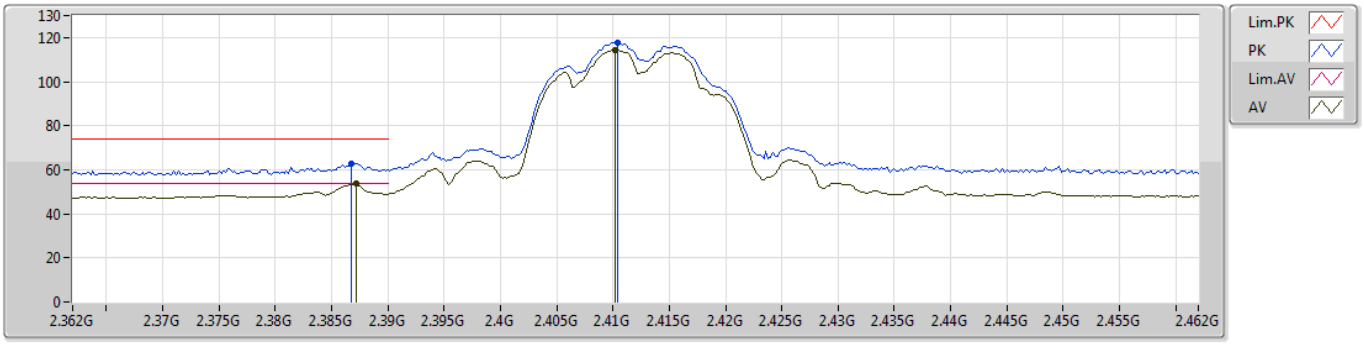
For Radio 3
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
VHT40_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.99	54.00	-0.01	30.80	3	Vertical	85	1.34	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

06/04/2019



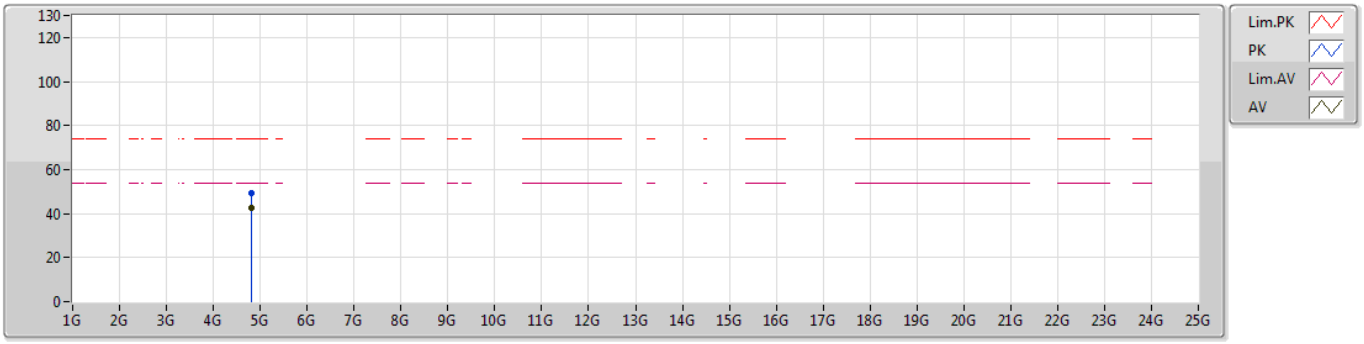
EUT Z_2TX
Setting 20
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	62.66	74.00	-11.34	30.79	3	Vertical	265	1.50	-
AV	2.3872G	53.54	54.00	-0.46	30.79	3	Vertical	265	1.50	-
PK	2.4104G	117.54	Inf	-Inf	30.86	3	Vertical	265	1.50	-
AV	2.4102G	114.46	Inf	-Inf	30.86	3	Vertical	265	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

08/04/2019



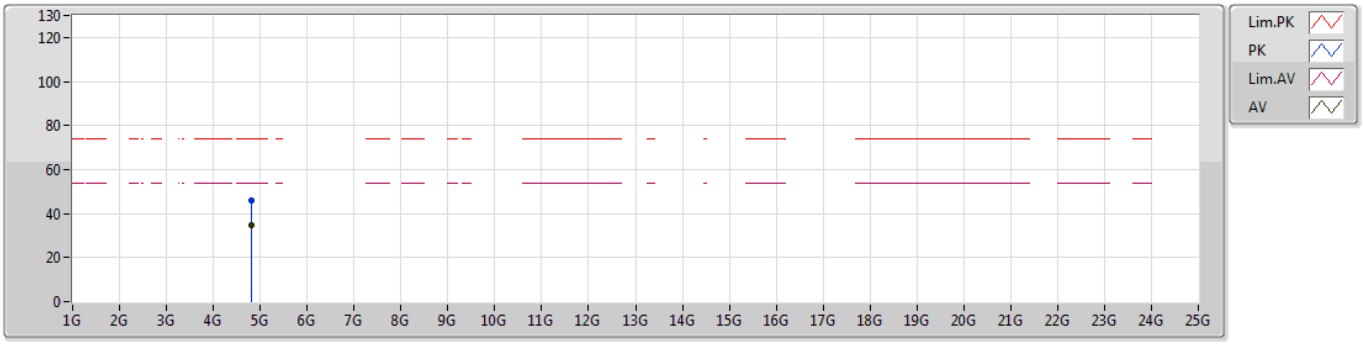
EUT Z_2TX
Setting 20
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8238G	49.32	74.00	-24.68	3.59	3	Vertical	153	1.68	-
AV	4.82391G	42.80	54.00	-11.20	3.59	3	Vertical	153	1.68	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

08/04/2019



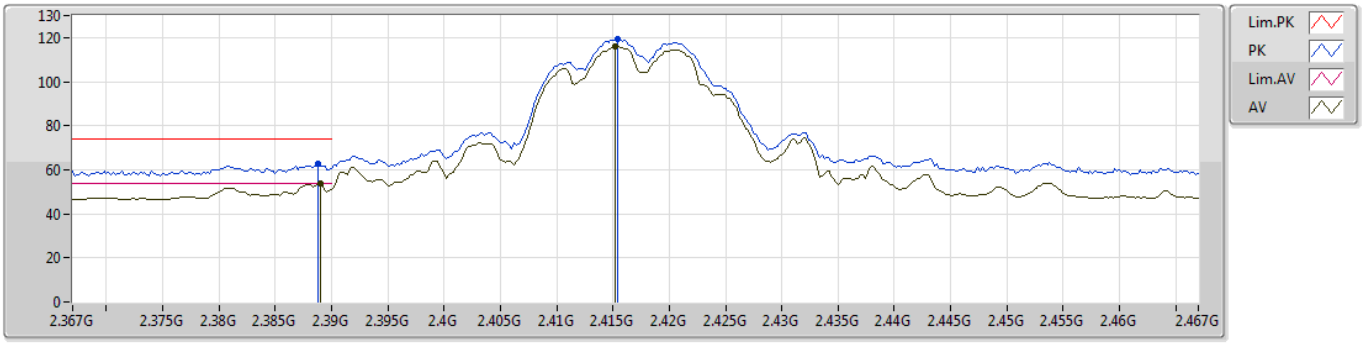
EUT Z_2TX
Setting 20
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82257G	45.92	74.00	-28.08	3.59	3	Horizontal	230	1.84	-
AV	4.82392G	34.56	54.00	-19.44	3.59	3	Horizontal	230	1.84	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

06/04/2019



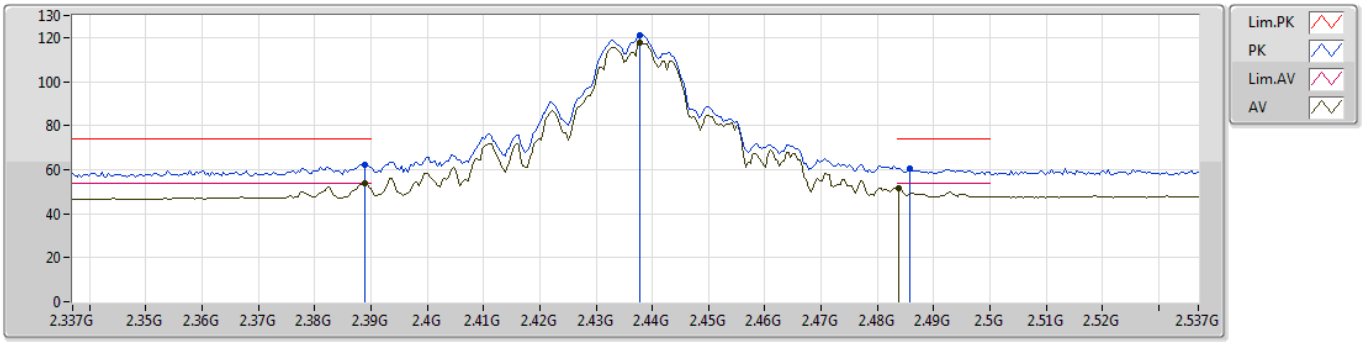
EUT Z_2TX
Setting 22
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	62.64	74.00	-11.36	30.80	3	Vertical	263	1.23	-
AV	2.389G	53.57	54.00	-0.43	30.80	3	Vertical	263	1.23	-
PK	2.4154G	119.13	Inf	-Inf	30.87	3	Vertical	263	1.23	-
AV	2.4152G	115.95	Inf	-Inf	30.87	3	Vertical	263	1.23	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

06/04/2019



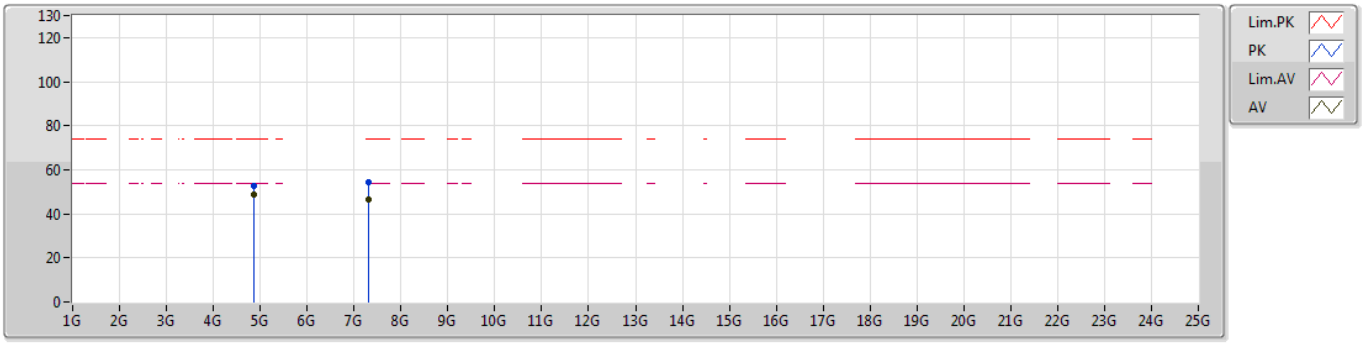
EUT Z_2TX
Setting 25
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	62.38	74.00	-11.62	30.80	3	Vertical	275	1.54	-
AV	2.389G	53.81	54.00	-0.19	30.80	3	Vertical	275	1.54	-
PK	2.4378G	121.18	Inf	-Inf	30.90	3	Vertical	275	1.54	-
AV	2.4378G	117.40	Inf	-Inf	30.90	3	Vertical	275	1.54	-
PK	2.4858G	60.52	74.00	-13.48	30.97	3	Vertical	275	1.54	-
AV	2.4838G	51.44	54.00	-2.56	30.96	3	Vertical	275	1.54	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

08/04/2019



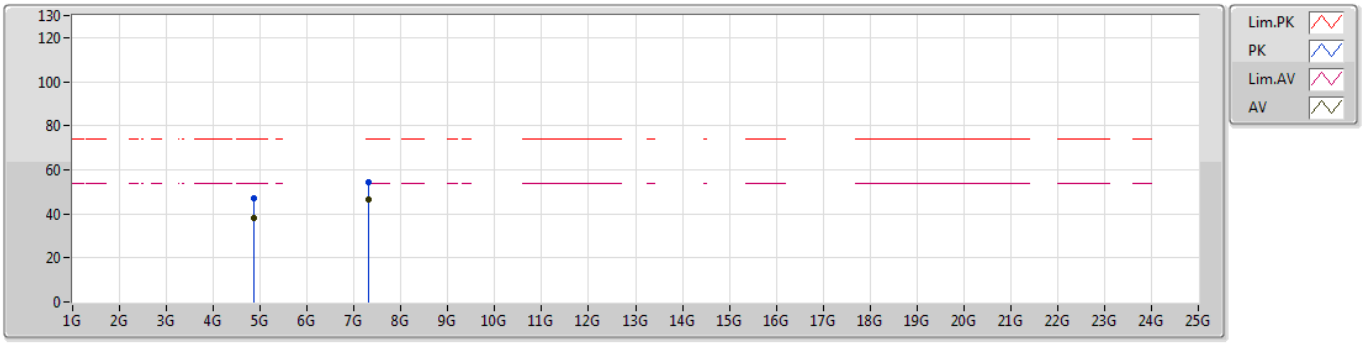
EUT Z_2TX
Setting 25
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87386G	52.74	74.00	-21.26	3.81	3	Vertical	121	1.73	-
AV	4.87387G	48.57	54.00	-5.43	3.81	3	Vertical	121	1.73	-
PK	7.31221G	54.31	74.00	-19.69	9.25	3	Vertical	49	1.62	-
AV	7.31282G	46.54	54.00	-7.46	9.25	3	Vertical	49	1.62	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

08/04/2019



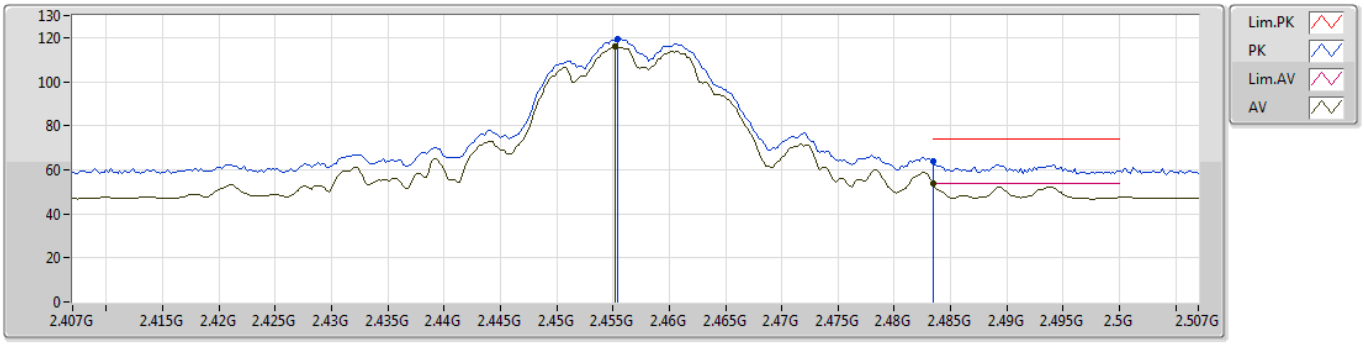
EUT Z_2TX
Setting 25
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87397G	47.27	74.00	-26.73	3.81	3	Horizontal	225	1.84	-
AV	4.87386G	38.04	54.00	-15.96	3.81	3	Horizontal	225	1.84	-
PK	7.31226G	54.46	74.00	-19.54	9.25	3	Horizontal	215	1.62	-
AV	7.31283G	46.57	54.00	-7.43	9.25	3	Horizontal	215	1.62	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

06/04/2019



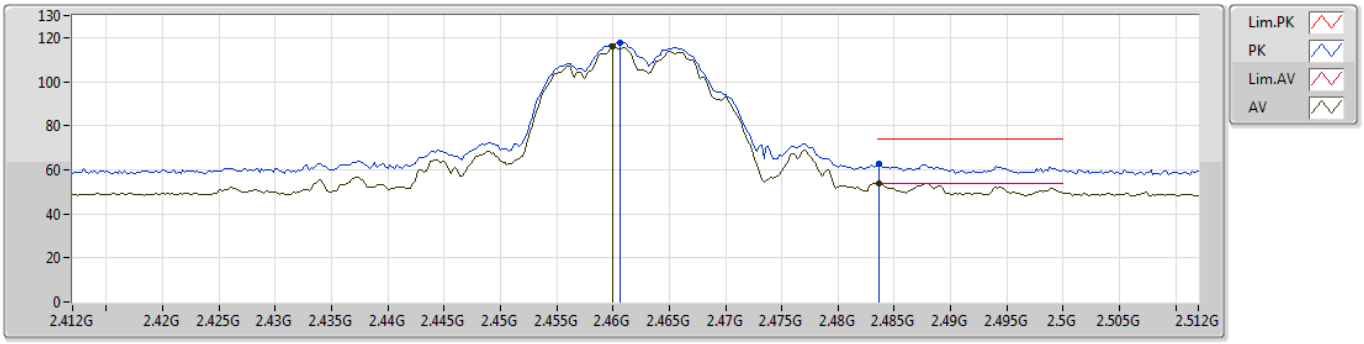
EUT Z_2TX
Setting 21.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4554G	119.12	Inf	-Inf	30.93	3	Vertical	263	1.57	-
AV	2.4552G	115.75	Inf	-Inf	30.93	3	Vertical	263	1.57	-
PK	2.4835G	63.88	74.00	-10.12	30.96	3	Vertical	263	1.57	-
AV	2.4835G	53.91	54.00	-0.09	30.96	3	Vertical	263	1.57	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

06/04/2019



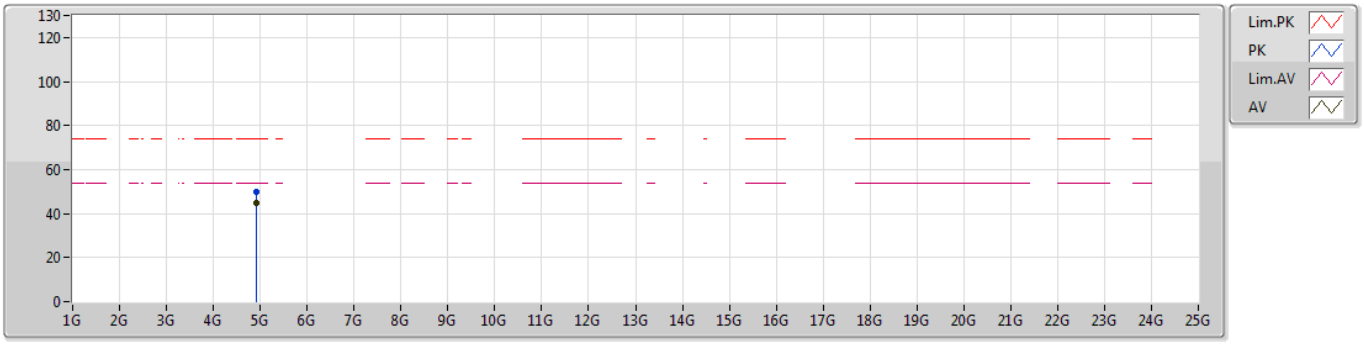
EUT Z_2TX
Setting 21
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4606G	117.89	Inf	-Inf	30.93	3	Vertical	264	1.23	-
AV	2.46G	115.72	Inf	-Inf	30.93	3	Vertical	264	1.23	-
PK	2.4836G	62.62	74.00	-11.38	30.96	3	Vertical	264	1.23	-
AV	2.4836G	53.97	54.00	-0.03	30.96	3	Vertical	264	1.23	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

08/04/2019



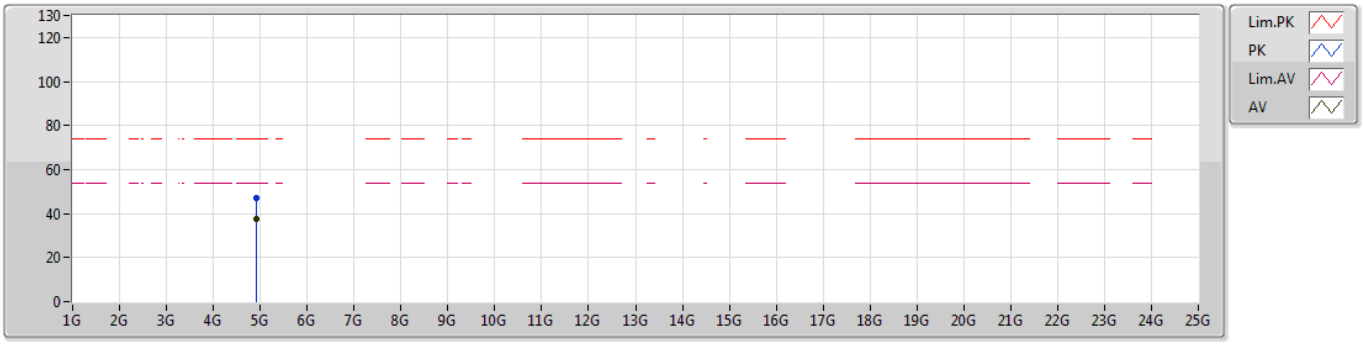
EUT Z_2TX
Setting 21
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92386G	50.02	74.00	-23.98	4.04	3	Vertical	187	1.85	-
AV	4.92397G	45.05	54.00	-8.95	4.04	3	Vertical	187	1.85	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

08/04/2019



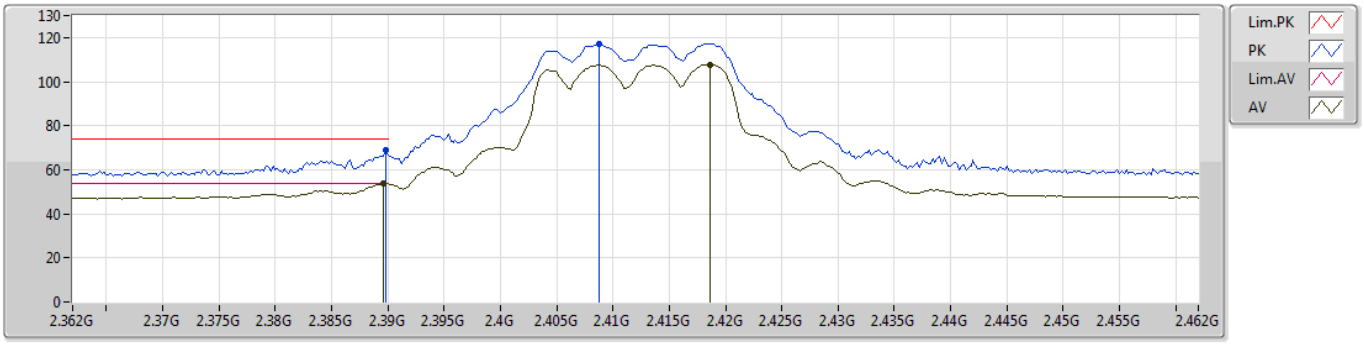
EUT Z_2TX
Setting 21
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92363G	46.82	74.00	-27.18	4.04	3	Horizontal	144	1.54	-
AV	4.92389G	37.46	54.00	-16.54	4.04	3	Horizontal	144	1.54	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

06/04/2019



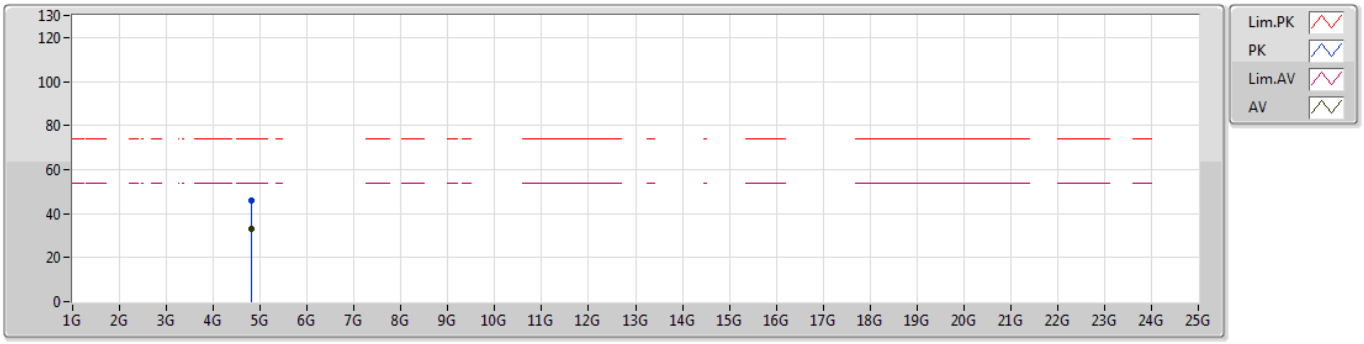
EUT Z_2TX
Setting 17.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	68.72	74.00	-5.28	30.80	3	Vertical	263	1.04	-
AV	2.3896G	53.97	54.00	-0.03	30.80	3	Vertical	263	1.04	-
PK	2.4088G	117.26	Inf	-Inf	30.85	3	Vertical	263	1.04	-
AV	2.4186G	107.85	Inf	-Inf	30.87	3	Vertical	263	1.04	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

06/04/2019



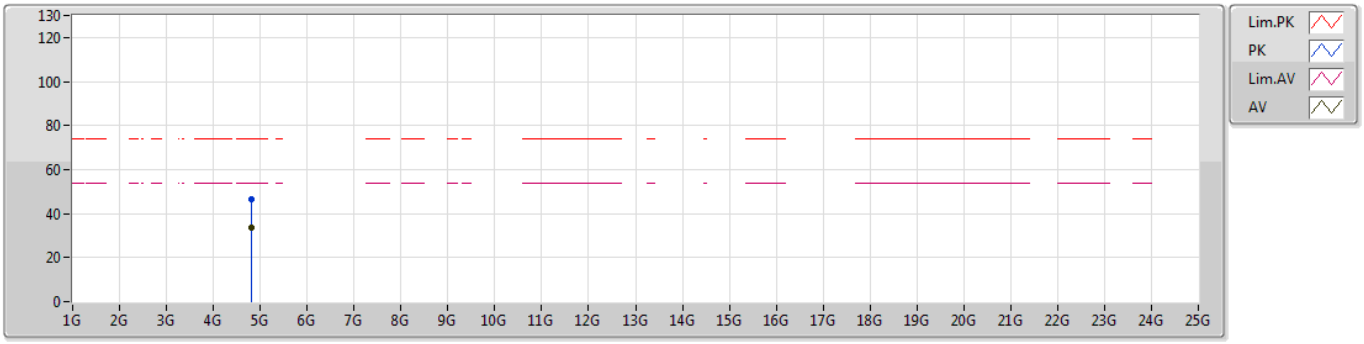
EUT Z_2TX
Setting 17.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82323G	46.16	74.00	-27.84	3.59	3	Vertical	293	1.97	-
AV	4.82409G	33.33	54.00	-20.67	3.59	3	Vertical	293	1.97	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

08/04/2019



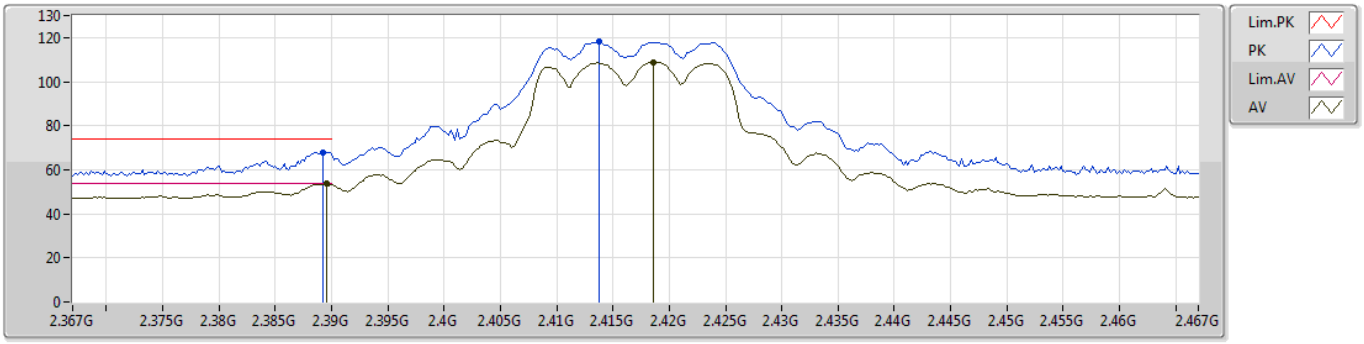
EUT Z_2TX
Setting 17.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82458G	46.63	74.00	-27.37	3.59	3	Horizontal	157	2.11	-
AV	4.8247G	33.39	54.00	-20.61	3.59	3	Horizontal	157	2.11	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

06/04/2019



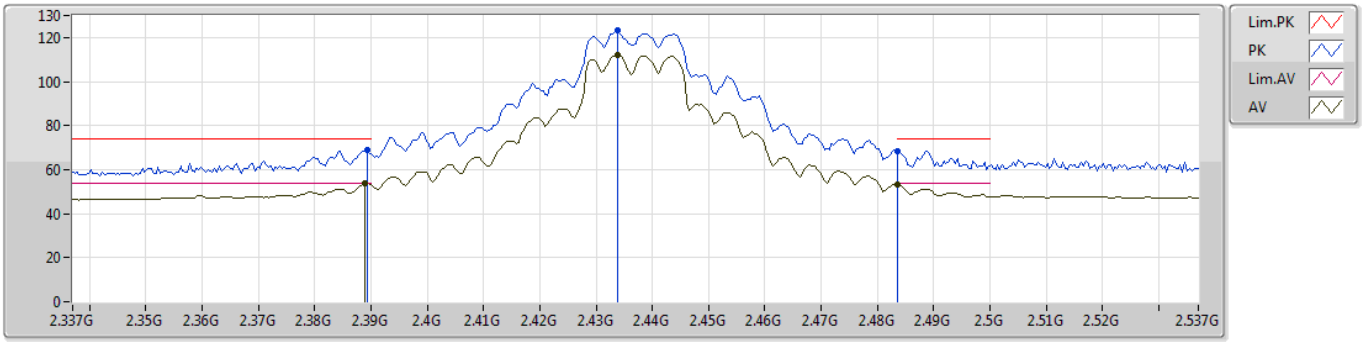
EUT Z_2TX
Setting 18.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	68.04	74.00	-5.96	30.80	3	Vertical	262	1.06	-
AV	2.3896G	53.90	54.00	-0.10	30.80	3	Vertical	262	1.06	-
PK	2.4138G	118.12	Inf	-Inf	30.86	3	Vertical	262	1.06	-
AV	2.4186G	108.77	Inf	-Inf	30.87	3	Vertical	262	1.06	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

06/04/2019



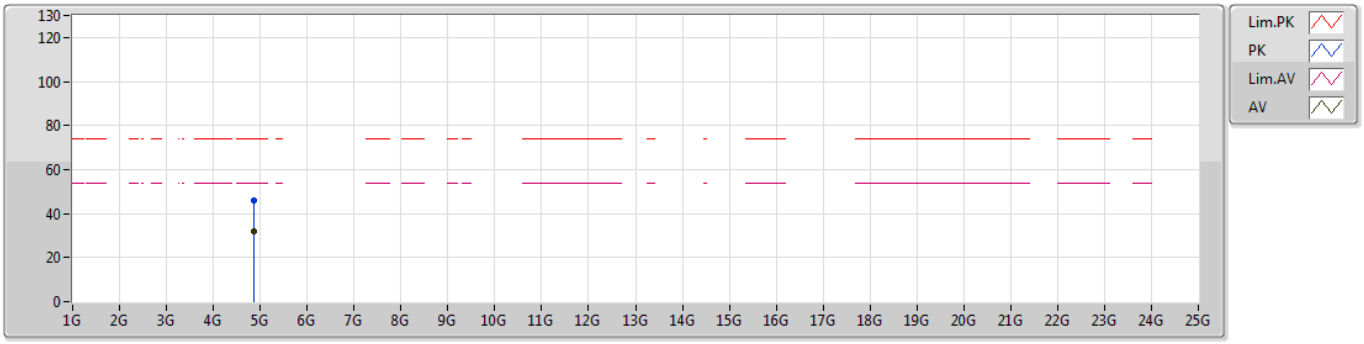
EUT Z_2TX
Setting 23.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	69.11	74.00	-4.89	30.80	3	Vertical	275	1.54	-
AV	2.389G	53.87	54.00	-0.13	30.80	3	Vertical	275	1.54	-
PK	2.4338G	123.19	Inf	-Inf	30.89	3	Vertical	275	1.54	-
AV	2.4338G	111.95	Inf	-Inf	30.89	3	Vertical	275	1.54	-
PK	2.4835G	68.50	74.00	-5.50	30.96	3	Vertical	275	1.54	-
AV	2.4835G	53.19	54.00	-0.81	30.96	3	Vertical	275	1.54	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

08/04/2019



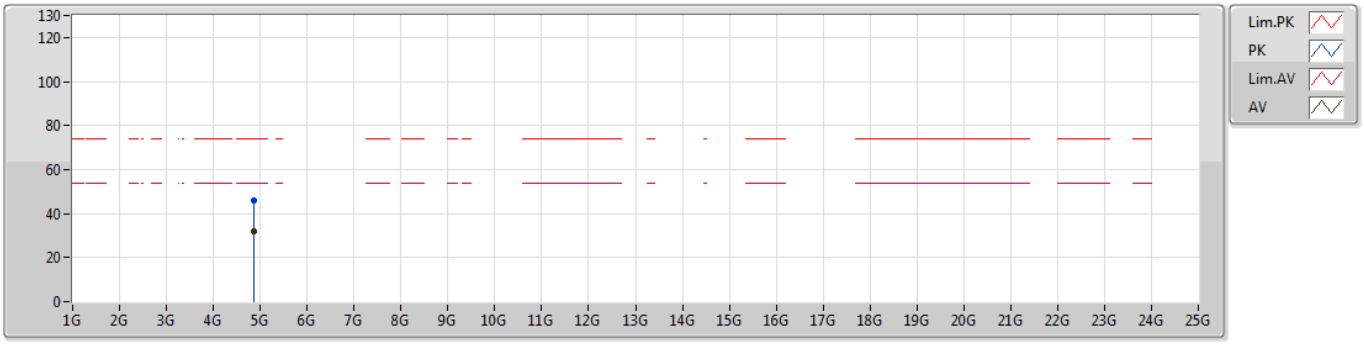
EUT Z_2TX
Setting 23.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87635G	45.95	74.00	-28.05	3.82	3	Vertical	312	1.10	-
AV	4.87235G	31.71	54.00	-22.29	3.81	3	Vertical	312	1.10	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

08/04/2019



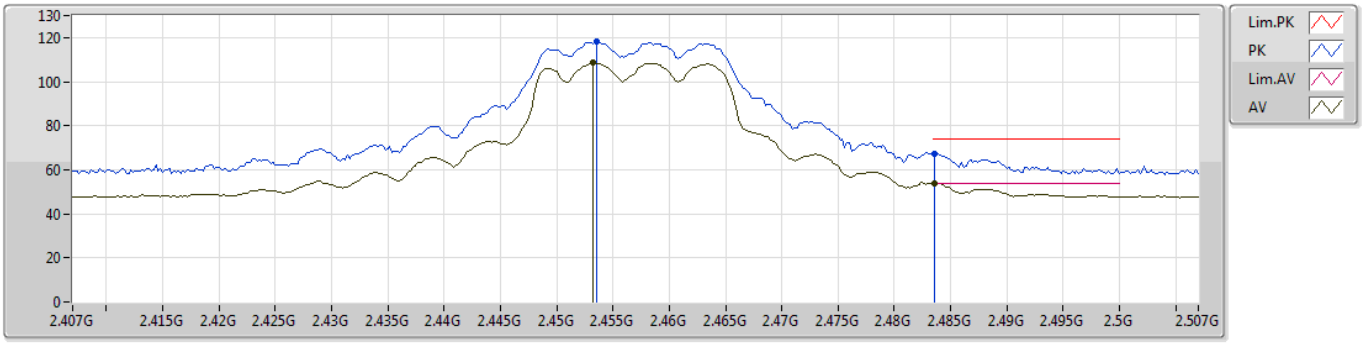
EUT Z_2TX
Setting 23.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87445G	45.96	74.00	-28.04	3.81	3	Horizontal	219	2.30	-
AV	4.87441G	31.75	54.00	-22.25	3.81	3	Horizontal	219	2.30	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

06/04/2019



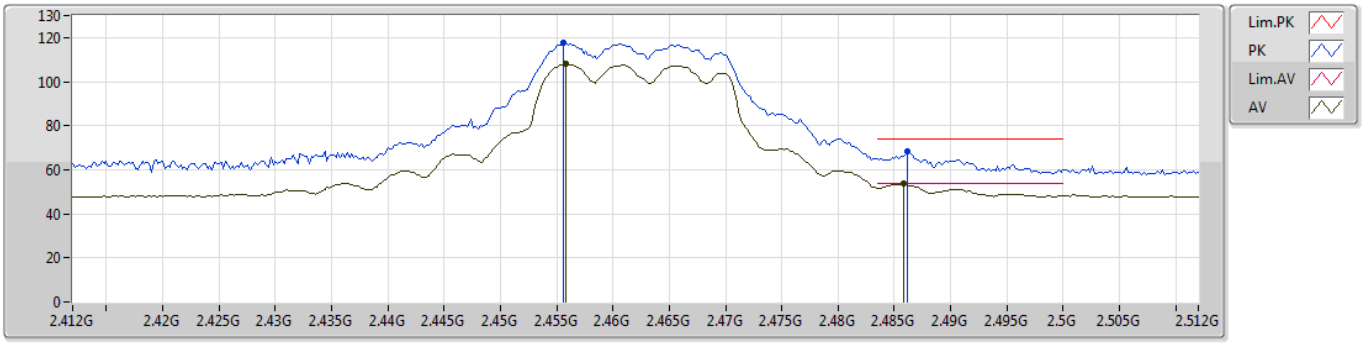
EUT Z_2TX
Setting 18.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4536G	118.20	Inf	-Inf	30.92	3	Vertical	265	1.50	-
AV	2.4532G	108.47	Inf	-Inf	30.92	3	Vertical	265	1.50	-
PK	2.4836G	67.44	74.00	-6.56	30.96	3	Vertical	265	1.50	-
AV	2.4836G	53.81	54.00	-0.19	30.96	3	Vertical	265	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

06/04/2019



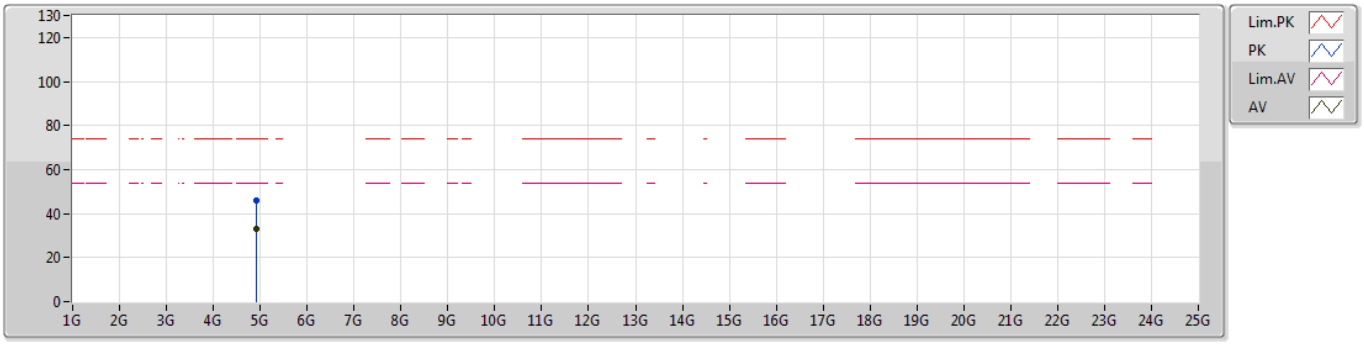
EUT Z_2TX
Setting 18
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4556G	117.83	Inf	-Inf	30.93	3	Vertical	264	1.49	-
AV	2.4558G	108.03	Inf	-Inf	30.93	3	Vertical	264	1.49	-
PK	2.4862G	68.14	74.00	-5.86	30.97	3	Vertical	264	1.49	-
AV	2.4858G	53.85	54.00	-0.15	30.97	3	Vertical	264	1.49	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

08/04/2019



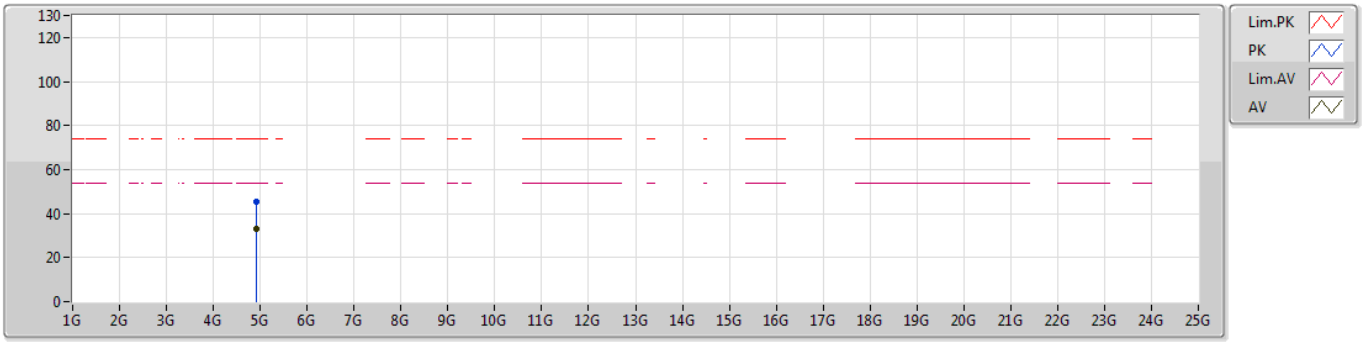
EUT Z_2TX
Setting 18
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92285G	45.67	74.00	-28.33	4.04	3	Vertical	251	1.67	-
AV	4.92615G	33.12	54.00	-20.88	4.05	3	Vertical	251	1.67	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

08/04/2019



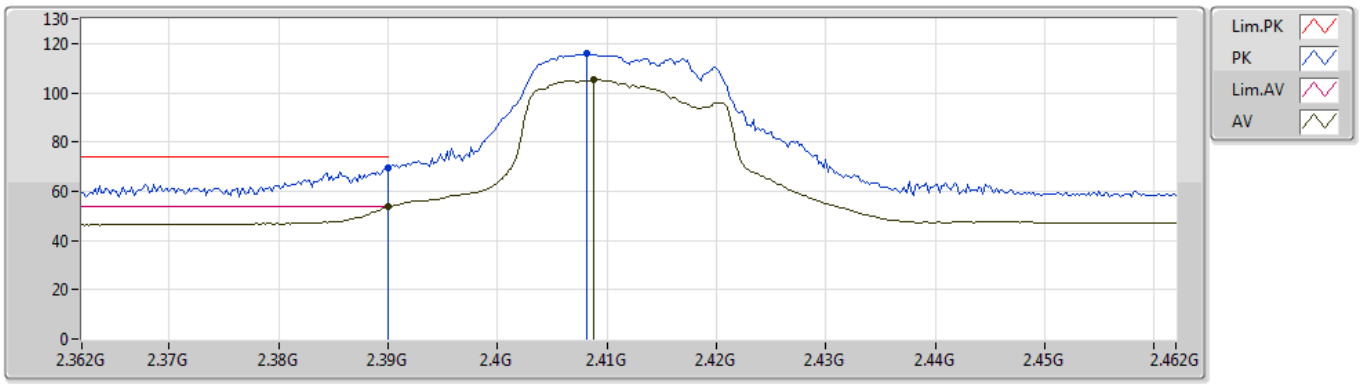
EUT Z_2TX
Setting 18
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92151G	45.51	74.00	-28.49	4.03	3	Horizontal	247	1.48	-
AV	4.92453G	32.87	54.00	-21.13	4.04	3	Horizontal	247	1.48	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2412MHz_TX



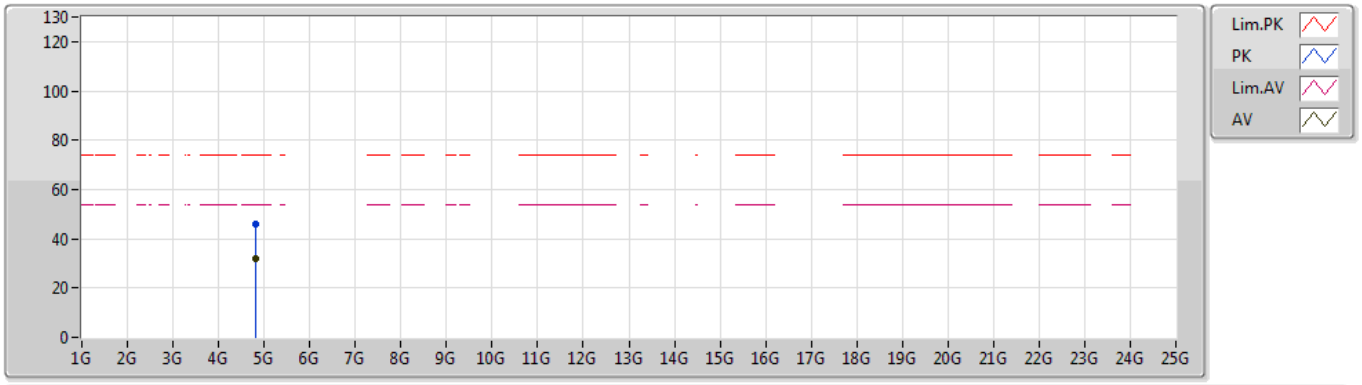
EUT Z_2TX
Setting 16
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	69.59	74.00	-4.41	30.80	3	Vertical	265	1.45	-
AV	2.39G	53.62	54.00	-0.38	30.80	3	Vertical	265	1.45	-
PK	2.4082G	116.27	Inf	-Inf	30.85	3	Vertical	265	1.45	-
AV	2.4088G	105.34	Inf	-Inf	30.85	3	Vertical	265	1.45	-

VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

19/04/2019



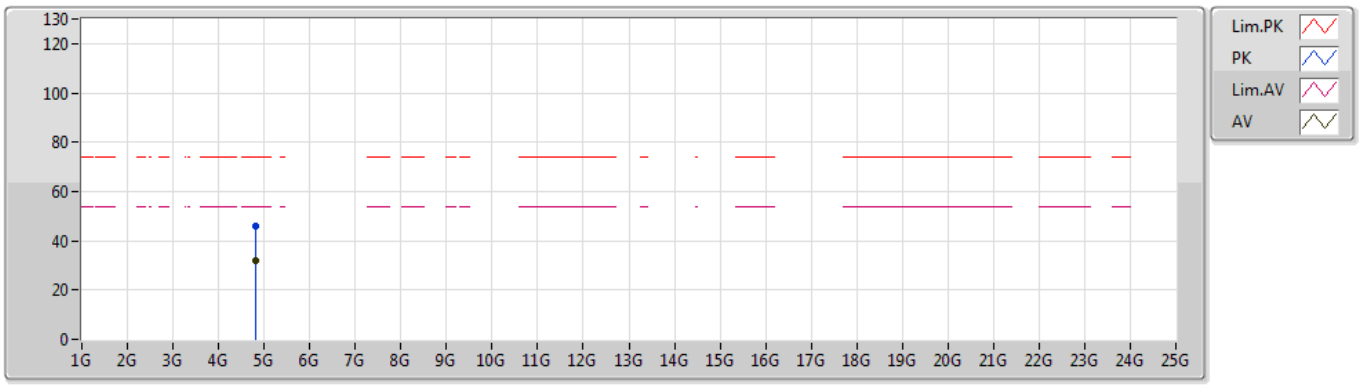
EUT Z_2TX
Setting 16
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82345G	46.12	74.00	-27.88	3.59	3	Vertical	210	1.93	-
AV	4.82499G	32.06	54.00	-21.94	3.59	3	Vertical	210	1.93	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2412MHz_TX



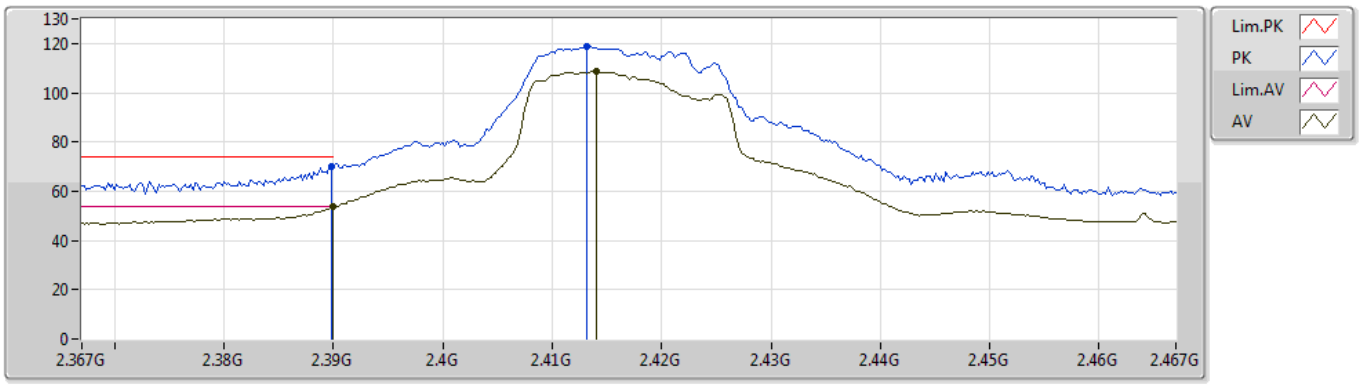
EUT Z_2TX
Setting 16
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82646G	45.90	74.00	-28.10	3.60	3	Horizontal	178	1.63	-
AV	4.82524G	32.04	54.00	-21.96	3.60	3	Horizontal	178	1.63	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2417MHz_TX



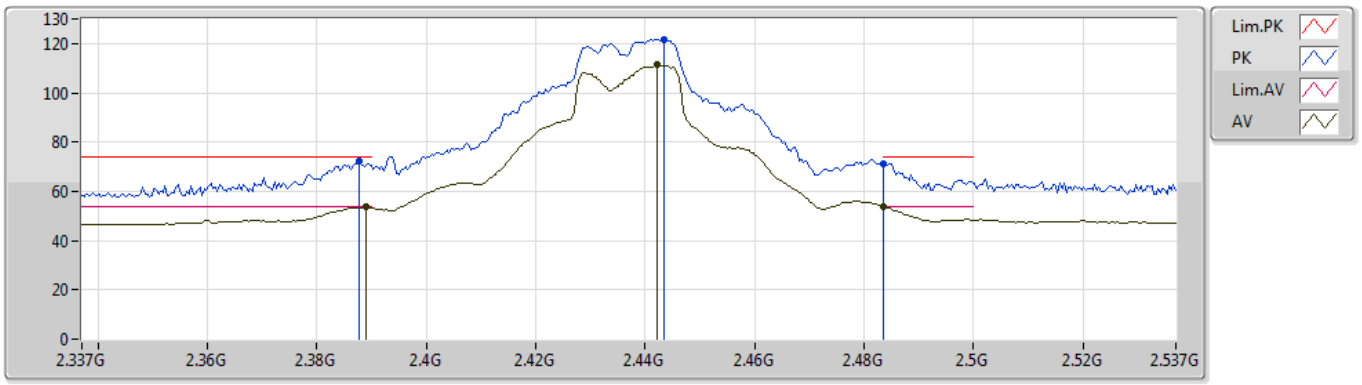
EUT Z_2TX
Setting 19
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.01	74.00	-3.99	30.80	3	Vertical	263	1.50	-
AV	2.39G	53.70	54.00	-0.30	30.80	3	Vertical	263	1.50	-
PK	2.4132G	119.04	Inf	-Inf	30.86	3	Vertical	263	1.50	-
AV	2.414G	108.65	Inf	-Inf	30.86	3	Vertical	263	1.50	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2437MHz_TX



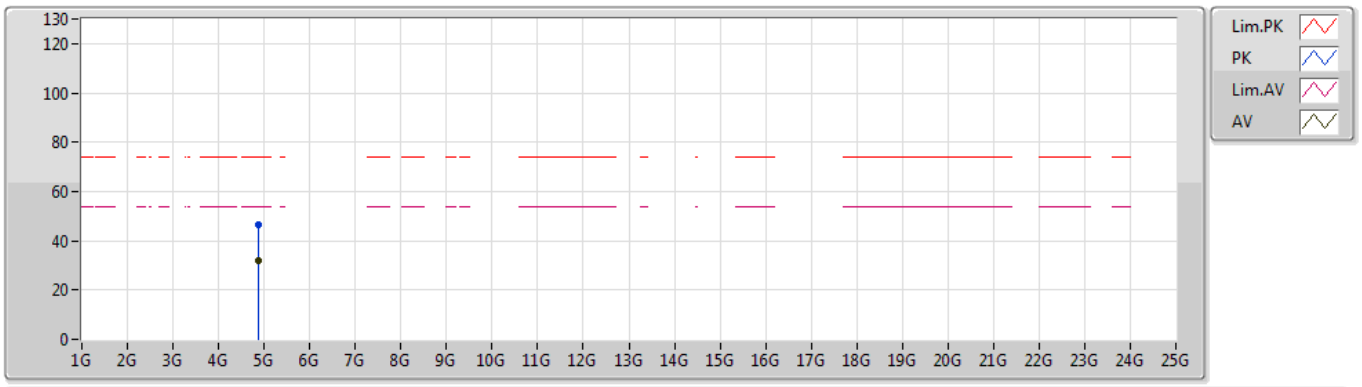
EUT Z_2TX
Setting 24
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	72.15	74.00	-1.85	30.79	3	Vertical	276	1.53	-
AV	2.389G	53.55	54.00	-0.45	30.80	3	Vertical	276	1.53	-
PK	2.4434G	121.60	Inf	-Inf	30.90	3	Vertical	276	1.53	-
AV	2.4422G	111.31	Inf	-Inf	30.90	3	Vertical	276	1.53	-
PK	2.4835G	71.22	74.00	-2.78	30.96	3	Vertical	276	1.53	-
AV	2.4835G	53.90	54.00	-0.10	30.96	3	Vertical	276	1.53	-

VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

19/04/2019



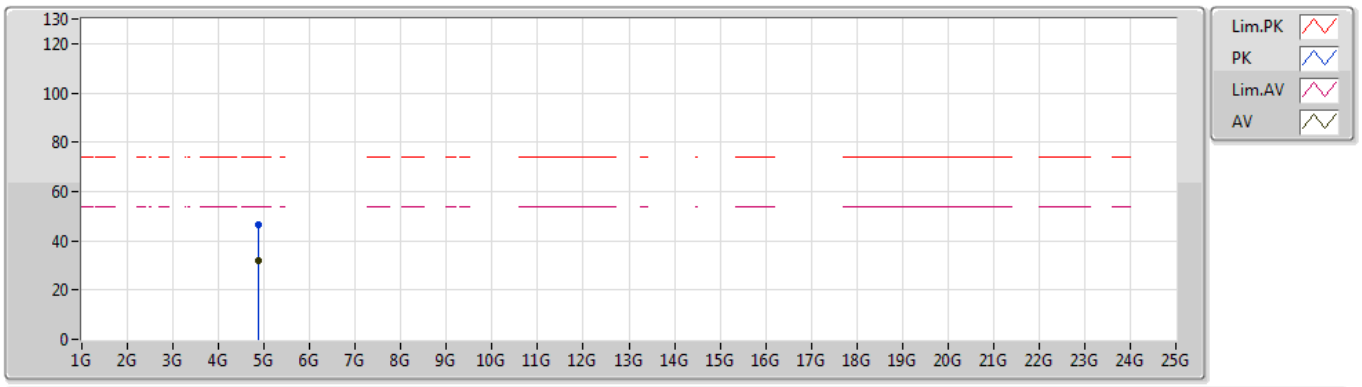
EUT Z_2TX
Setting 24
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87361G	46.64	74.00	-27.36	3.81	3	Vertical	283	2.26	-
AV	4.87619G	31.84	54.00	-22.16	3.82	3	Vertical	283	2.26	-

VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

19/04/2019



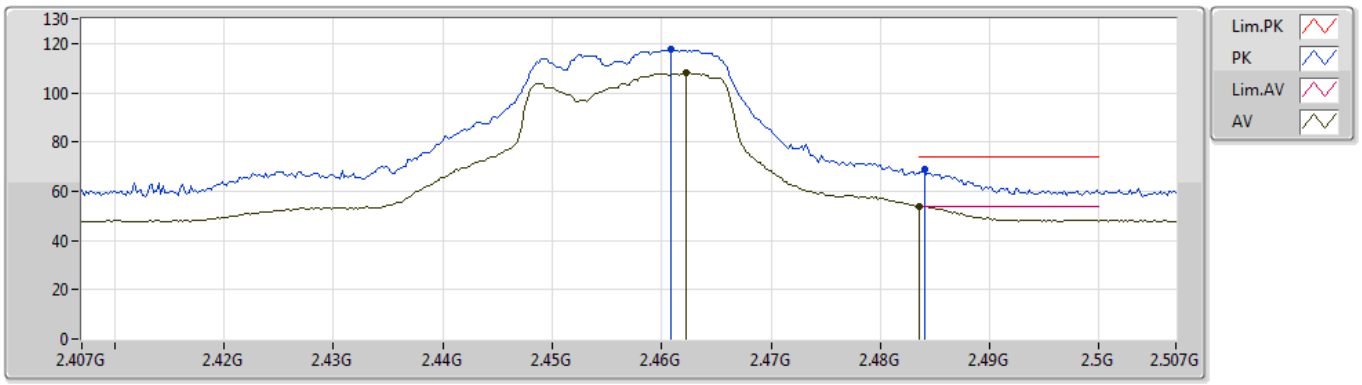
EUT Z_2TX
Setting 24
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87412G	46.53	74.00	-27.47	3.81	3	Horizontal	174	2.37	-
AV	4.87601G	31.74	54.00	-22.26	3.82	3	Horizontal	174	2.37	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2457MHz_TX



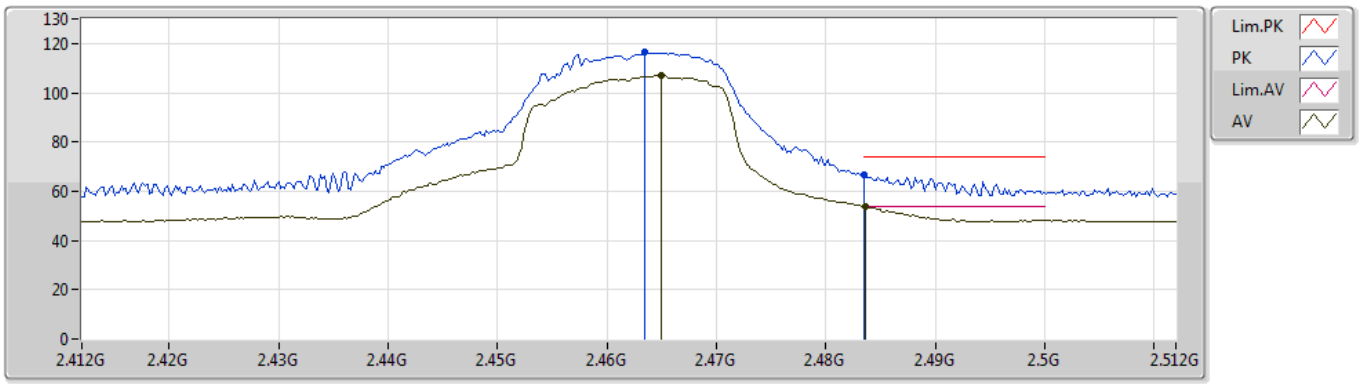
EUT Z_2TX
Setting 18.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4608G	117.70	Inf	-Inf	30.93	3	Vertical	263	1.50	-
AV	2.4622G	108.07	Inf	-Inf	30.93	3	Vertical	263	1.50	-
PK	2.484G	69.07	74.00	-4.93	30.96	3	Vertical	263	1.50	-
AV	2.4835G	53.87	54.00	-0.13	30.96	3	Vertical	263	1.50	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2462MHz_TX



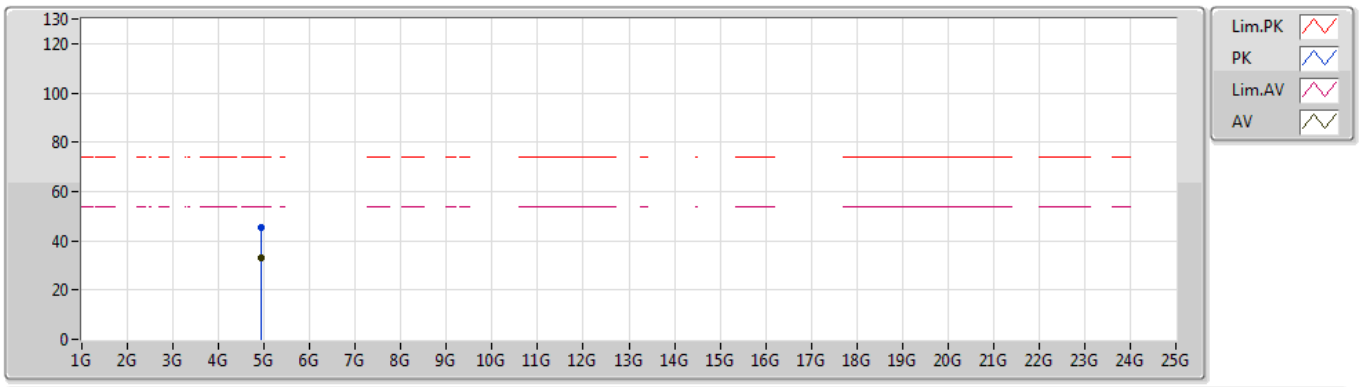
EUT Z_2TX
Setting 17.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4634G	116.30	Inf	-Inf	30.93	3	Vertical	84	1.35	-
AV	2.465G	107.04	Inf	-Inf	30.94	3	Vertical	84	1.35	-
PK	2.4835G	66.58	74.00	-7.42	30.96	3	Vertical	84	1.35	-
AV	2.4836G	53.67	54.00	-0.33	30.96	3	Vertical	84	1.35	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2462MHz_TX



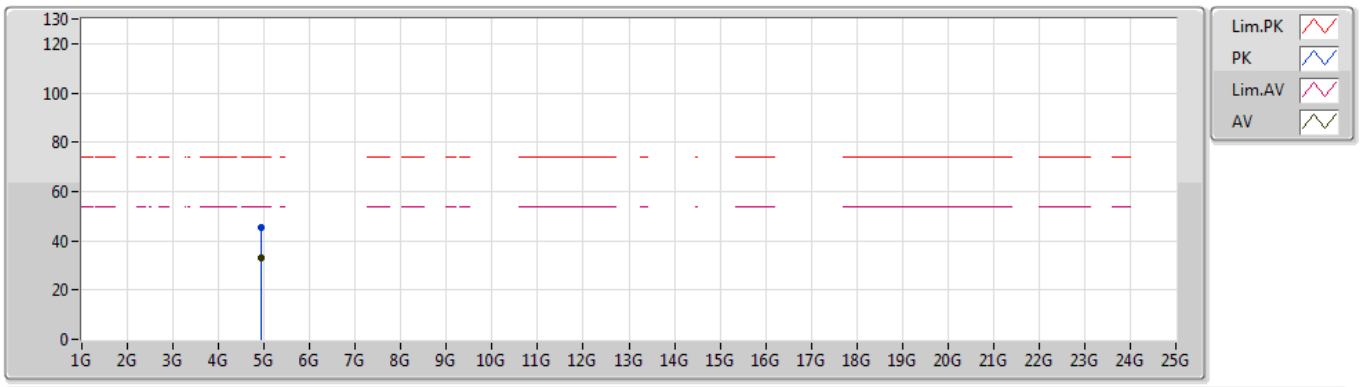
EUT Z_2TX
Setting 17.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92633G	45.54	74.00	-28.46	4.05	3	Vertical	357	1.60	-
AV	4.9261G	32.80	54.00	-21.20	4.05	3	Vertical	357	1.60	-

VHT20_Nss1,(MCS0)_2TX

19/04/2019

2462MHz_TX



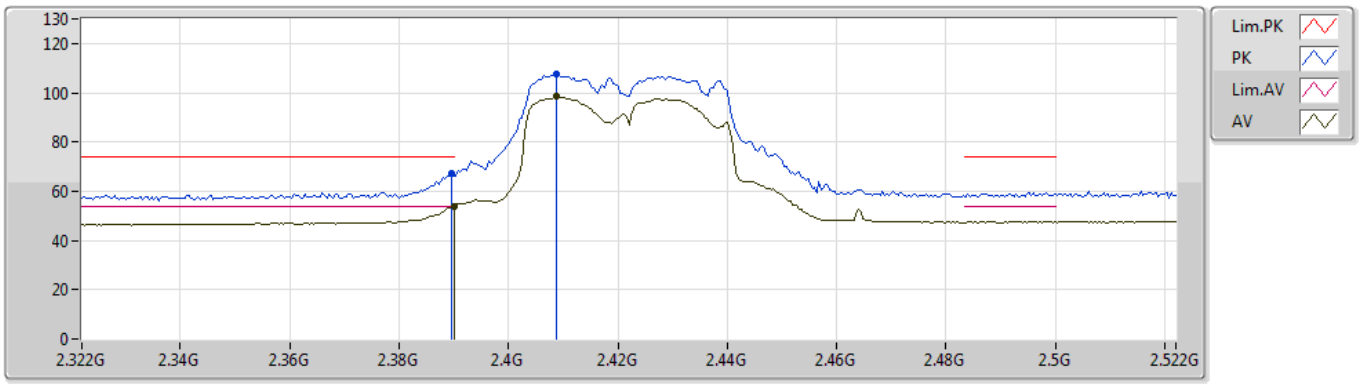
EUT Z_2TX
Setting 17.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9245G	45.41	74.00	-28.59	4.04	3	Horizontal	301	1.52	-
AV	4.92263G	32.92	54.00	-21.08	4.04	3	Horizontal	301	1.52	-

VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

19/04/2019



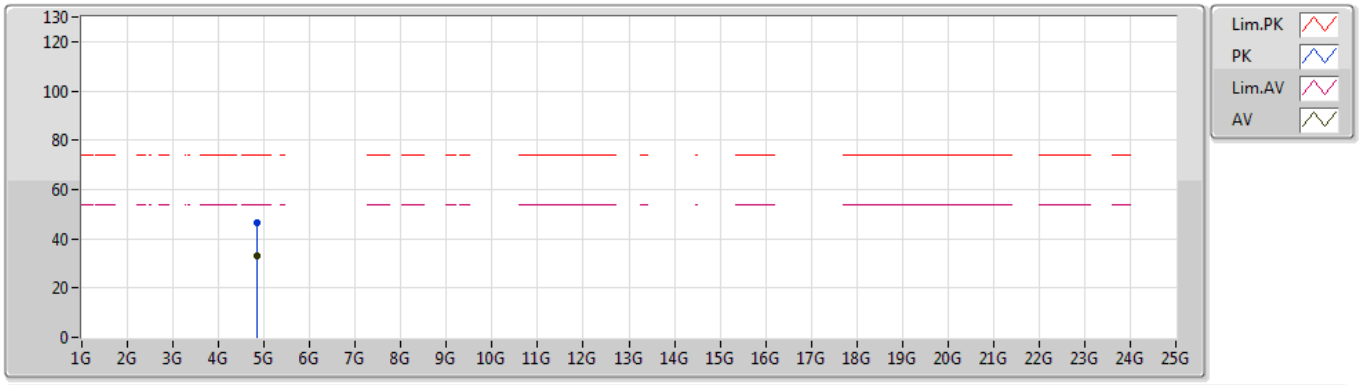
EUT Z_2TX
Setting 11
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	67.17	74.00	-6.83	30.80	3	Vertical	265	1.35	-
AV	2.39G	53.61	54.00	-0.39	30.80	3	Vertical	265	1.35	-
PK	2.4088G	107.47	Inf	-Inf	30.85	3	Vertical	265	1.35	-
AV	2.4088G	98.36	Inf	-Inf	30.85	3	Vertical	265	1.35	-

VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

19/04/2019



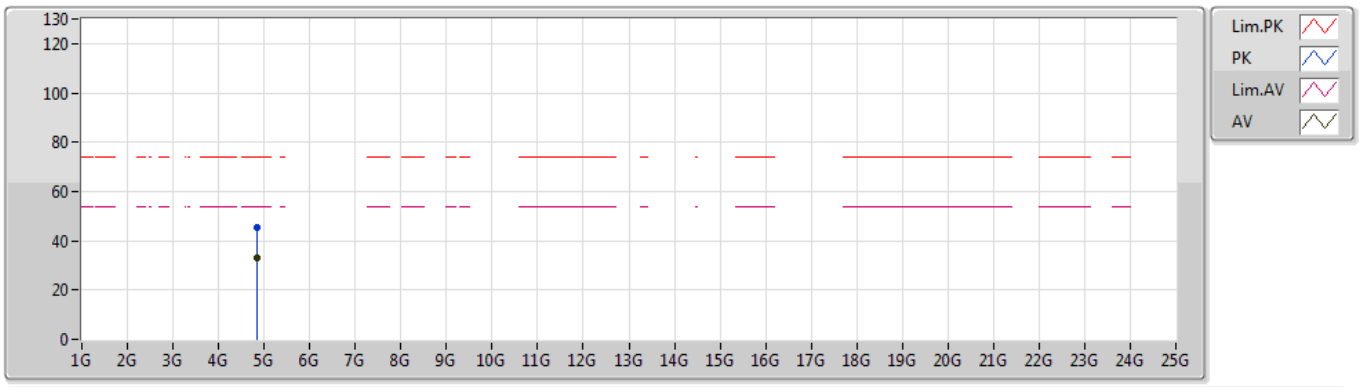
EUT Z_2TX
Setting 11
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84453G	46.26	74.00	-27.74	3.67	3	Vertical	239	2.46	-
AV	4.84626G	32.88	54.00	-21.12	3.69	3	Vertical	239	2.46	-

VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

19/04/2019



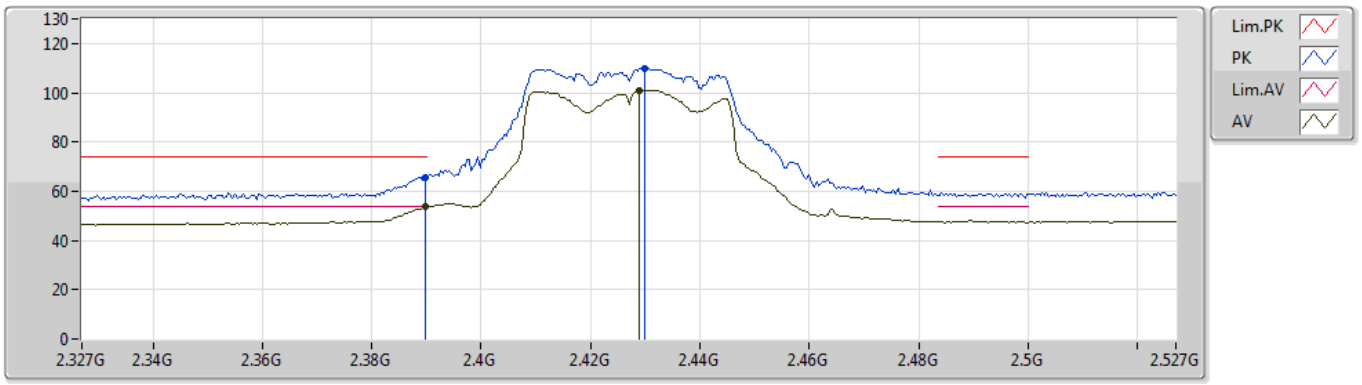
EUT Z_2TX
Setting 11
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84175G	45.36	74.00	-28.64	3.67	3	Horizontal	122	2.14	-
AV	4.8439G	33.01	54.00	-20.99	3.67	3	Horizontal	122	2.14	-

VHT40_Nss1,(MCS0)_2TX

2427MHz_TX

19/04/2019



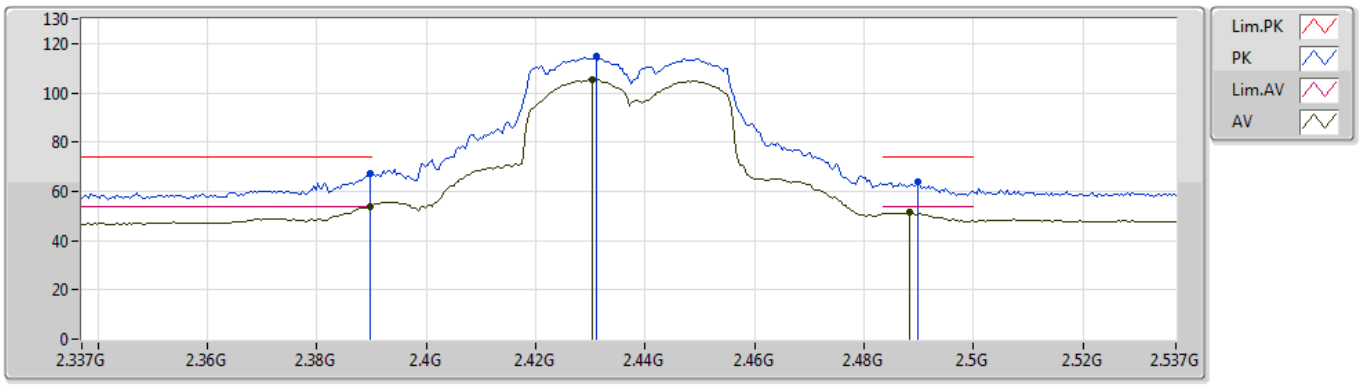
EUT Z_2TX
Setting 14.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	65.55	74.00	-8.45	30.80	3	Vertical	86	1.35	-
AV	2.3898G	53.60	54.00	-0.40	30.80	3	Vertical	86	1.35	-
PK	2.4298G	110.04	Inf	-Inf	30.88	3	Vertical	86	1.35	-
AV	2.429G	101.06	Inf	-Inf	30.88	3	Vertical	86	1.35	-

VHT40_Nss1,(MCS0)_2TX

19/04/2019

2437MHz_TX



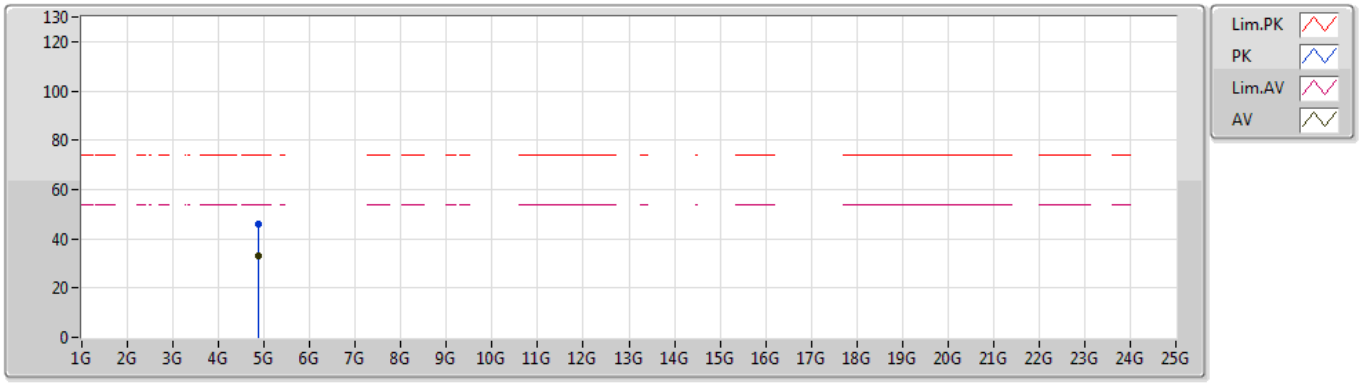
EUT Z_2TX
Setting 18.5
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	67.05	74.00	-6.95	30.80	3	Vertical	85	1.34	-
AV	2.3898G	53.99	54.00	-0.01	30.80	3	Vertical	85	1.34	-
PK	2.431G	114.73	Inf	-Inf	30.89	3	Vertical	85	1.34	-
AV	2.4302G	105.30	Inf	-Inf	30.89	3	Vertical	85	1.34	-
PK	2.4898G	64.08	74.00	-9.92	30.97	3	Vertical	85	1.34	-
AV	2.4882G	51.30	54.00	-2.70	30.97	3	Vertical	85	1.34	-

VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

19/04/2019



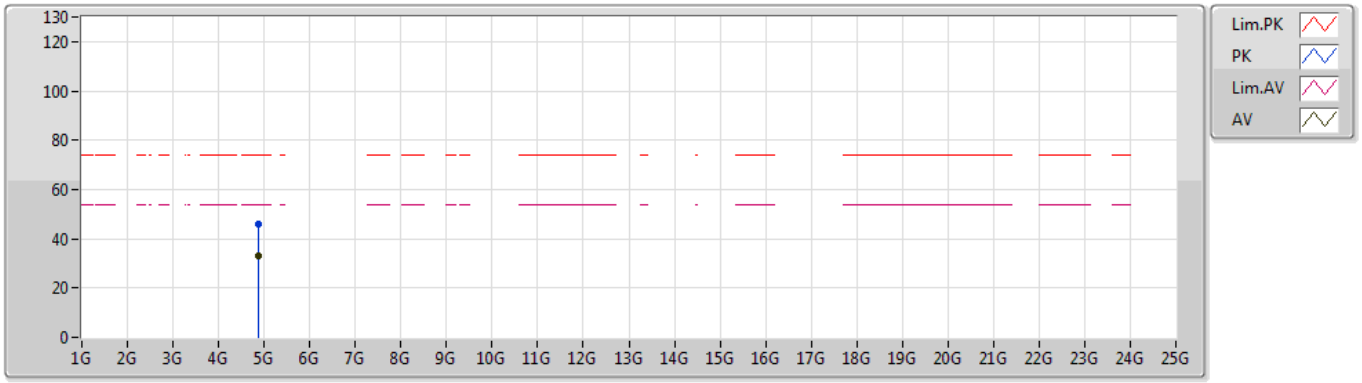
EUT Z_2TX
Setting 18.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87644G	45.87	74.00	-28.13	3.82	3	Vertical	260	1.83	-
AV	4.87191G	32.93	54.00	-21.07	3.81	3	Vertical	260	1.83	-

VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

19/04/2019



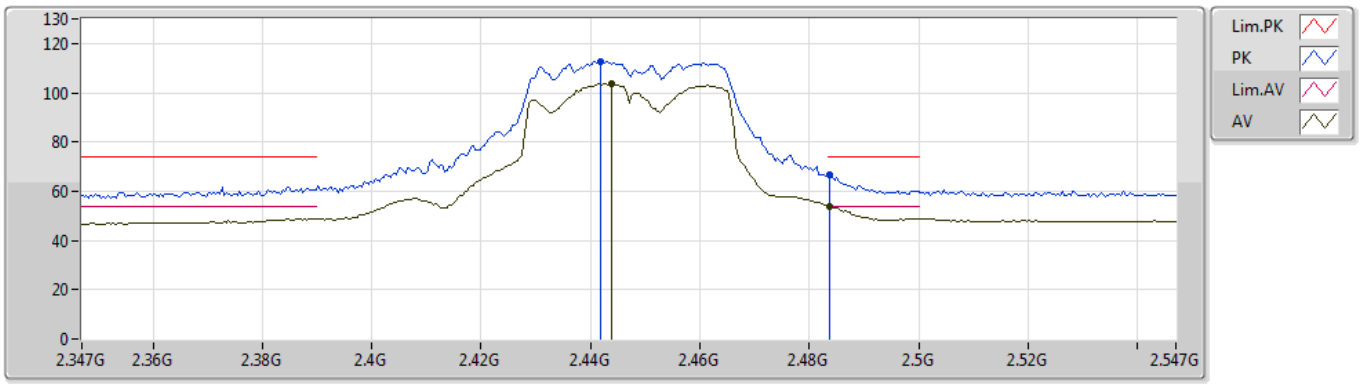
EUT Z_2TX
Setting 18.5
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87259G	46.21	74.00	-27.79	3.81	3	Horizontal	301	1.52	-
AV	4.87443G	33.12	54.00	-20.88	3.81	3	Horizontal	301	1.52	-

VHT40_Nss1,(MCS0)_2TX

19/04/2019

2447MHz_TX



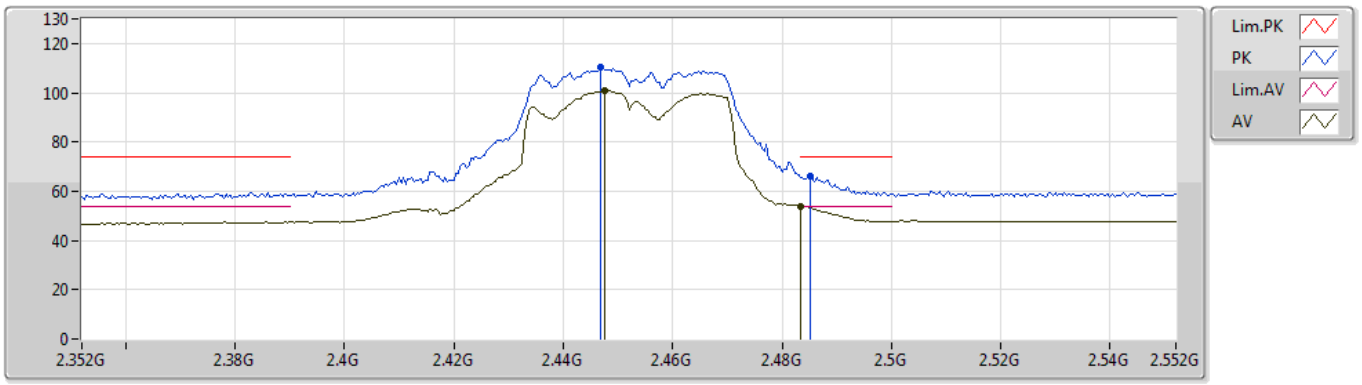
EUT Z_2TX
Setting 17
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4418G	112.74	Inf	-Inf	30.90	3	Vertical	266	1.40	-
AV	2.4438G	103.65	Inf	-Inf	30.90	3	Vertical	266	1.40	-
PK	2.4838G	66.52	74.00	-7.48	30.96	3	Vertical	266	1.40	-
AV	2.4838G	53.83	54.00	-0.17	30.96	3	Vertical	266	1.40	-

VHT40_Nss1,(MCS0)_2TX

19/04/2019

2452MHz_TX



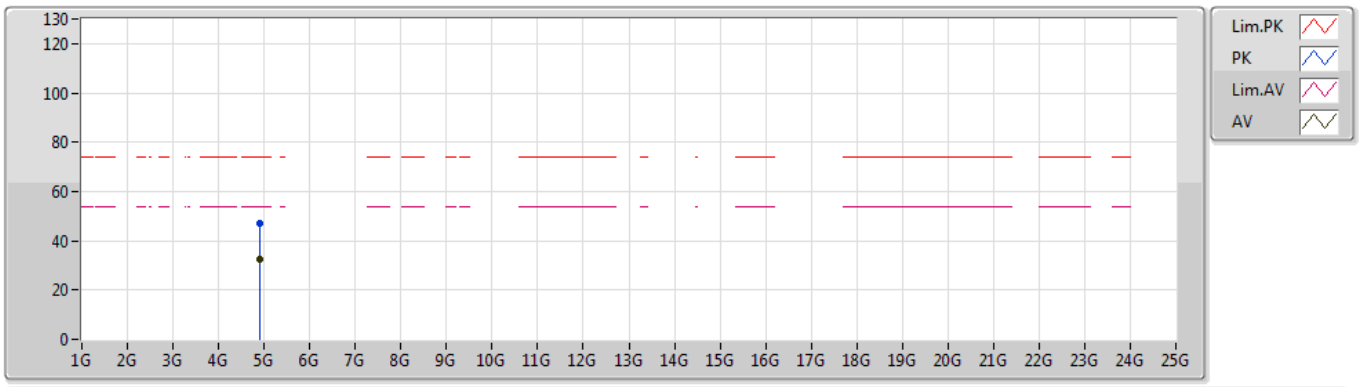
EUT Z_2TX
Setting 14
01-D-1
Dipole Ant
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4468G	110.62	Inf	-Inf	30.91	3	Vertical	265	1.45	-
AV	2.4476G	100.60	Inf	-Inf	30.91	3	Vertical	265	1.45	-
PK	2.4852G	66.05	74.00	-7.95	30.97	3	Vertical	265	1.45	-
AV	2.4835G	53.65	54.00	-0.35	30.96	3	Vertical	265	1.45	-

VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

19/04/2019



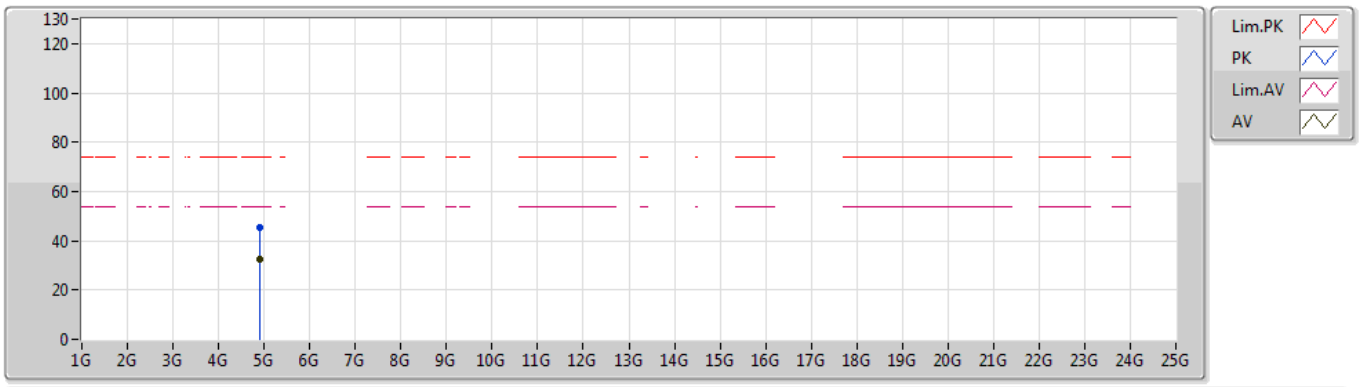
EUT Z_2TX
Setting 14
01-D-1
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90186G	46.80	74.00	-27.20	3.94	3	Vertical	95	2.41	-
AV	4.90151G	32.72	54.00	-21.28	3.93	3	Vertical	95	2.41	-

VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

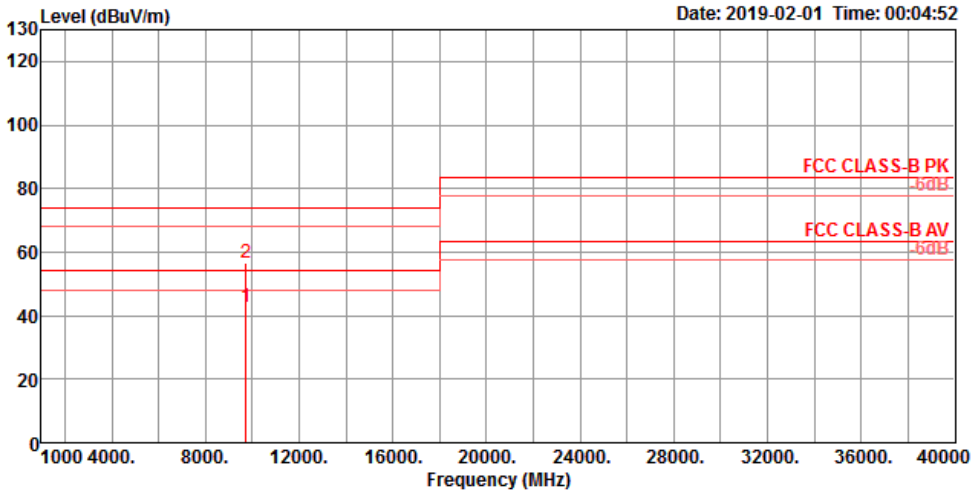
19/04/2019



EUT Z_2TX
Setting 14
01-D-1
FSP(100080)

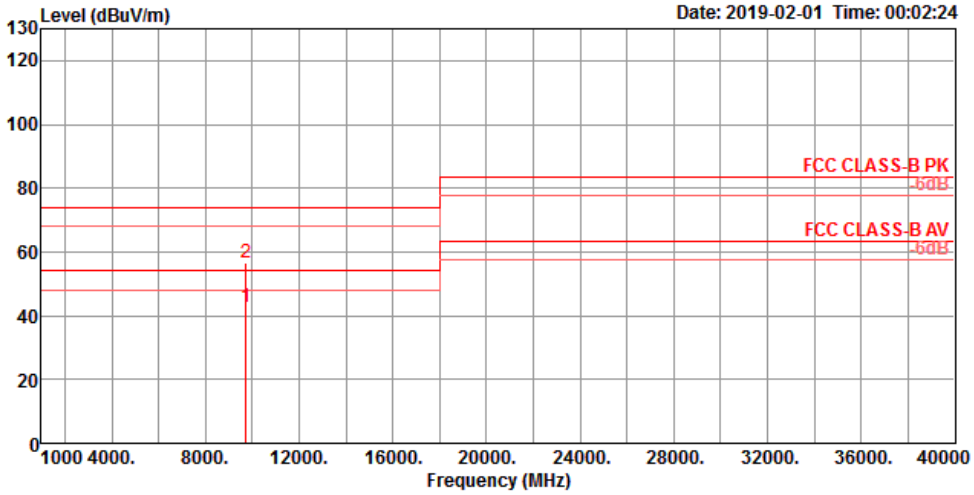
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90549G	45.27	74.00	-28.73	3.96	3	Horizontal	344	1.53	-
AV	4.90524G	32.52	54.00	-21.48	3.96	3	Horizontal	344	1.53	-

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	9727.95	42.60	54.00	-11.40	30.05	9.60	38.37	35.42	100	204	Average	HORIZONTAL
2	9727.97	56.74	74.00	-17.26	44.19	9.60	38.37	35.42	100	204	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	9727.86	42.62	54.00	-11.38	30.07	9.60	38.37	35.42	100	221	Average	VERTICAL
2	9727.93	56.64	74.00	-17.36	44.09	9.60	38.37	35.42	100	221	Peak	VERTICAL