FCC RADIO TEST REPORT

FCC ID	:	2AOIDGRYPHON02
Equipment	:	Gryphon Guardian
Brand Name	:	Gryphon
Model Name	:	Guardian
Applicant	:	Gryphon Online Safety, Inc. 10265 Prairie Springs Road, San Diego CA 92127 USA
Manufacturer	:	Gryphon Online Safety, Inc. 10265 Prairie Springs Road, San Diego CA 92127 USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Oct. 31, 2019, and testing was started from Nov. 01, 2019 and completed on Jan. 17, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR990901AA	01	Initial issue of report	Jan. 23, 2020

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]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2
2.4-2.4835GHz	802.11g	20	2
2.4-2.4835GHz	802.11n HT20	20	2
2.4-2.4835GHz	VHT20	20	2
2.4-2.4835GHz	VHT20-BF	20	2
2.4-2.4835GHz	802.11n HT40	40	2
2.4-2.4835GHz	VHT40	40	2
2.4-2.4835GHz	VHT40-BF	40	2

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	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	Gemtek	WRTQ-348ACN	PIFA Antenna	I-PEX	2.58	5.94
2	2	Gemtek	WRTQ-348ACN	PIFA Antenna	I-PEX	4.15	5.34

Note1: The EUT has two antennas.

Note2: The above information was declared by manufacturer.

<For 2.4GHz Band>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz Band>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.963	0.16	2.075m	1k
VHT20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT20-BF	0.95	0.22	1.759m	1k
VHT40	0.968	0.14	2.445m	1k
VHT40-BF	0.921	0.36	1.694m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For VHT in 2.4GHz and 11n/ac in 5GHz			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QRCT: v3.0.298.0			

Note: The above information was declared by manufacturer.

1.2 Applicable 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 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

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	Eddie Weng	23.4~24.9°C / 54~59%	Nov. 05, 2019~Nov. 06, 2019
Radiated below 1GHz	03CH03-CB	KJ Chang	22.4~23.4°C / 57~61%	Jan. 17, 2020
Radiated above 1GHz	03CH05-CB	Justin Lin	22.8~24.1°C / 54~58%	Nov. 01, 2019~Nov. 06, 2019
AC Conduction	CO02-CB	Rick Yeh	20~21°C / 50~51%	Dec. 09, 2019

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	22
2437MHz	23
2462MHz	22
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17.5
2417MHz	20(
2437MHz	26
2457MHz	20
2462MHz	17
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	17
2417MHz	19.5
2437MHz	26
2457MHz	19.5
2462MHz	17
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	17
2437MHz	18
2452MHz	17
VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	20
2417MHz	21.5
2437MHz	26
2457MHz	21.5
2462MHz	20.5
VHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2437MHz	21.5
2452MHz	20

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 802.11ac VHT20 and VHT40.
- There are two modes of EUT for VHT in 2.4GHz and 11n/ac in 5GHz. One is beamforming mode, and the other is non-beamforming mode. Both modes have been tested and recorded in this test report.

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 + Adapter (Mesh Mode)

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT + Adapter (Mesh Mode)
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA990901 for Co-location RF Exposure Evaluation.	

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

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Holder**	**Model Name**	**Rating**
AC Adapter	CHENZHOU FRECOM ELECTRONICS CO.,LTD.	F12L33-120100SPAU	INPUT: 100-240V, 50/60Hz, 0.3A OUTPUT: 12V, 1A
Other			
RJ-45 cable*1: Non-Shielded, 1m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	AP Router	ASUS	RP-N53	N/A
E	AP Router NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Phone	HTC	One X9	N/A
D	NB	Apple	Mac Book	N/A
E	WLAN AP	D-LINK	DIR860L	N/A

For Radiated (above 1GHz) and RF Conducted:
For non-beamforming mode

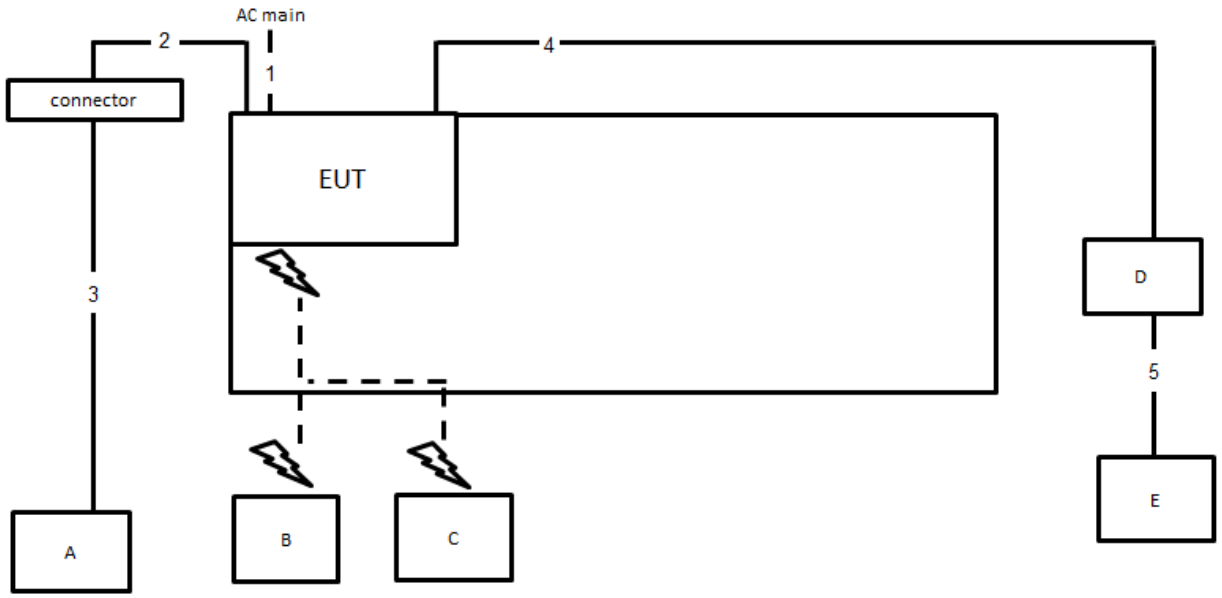
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For beamforming mode

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	RX Device	Gryphon	Guardian	2AOIDGRYPHON02
C	NB	DELL	E4300	N/A

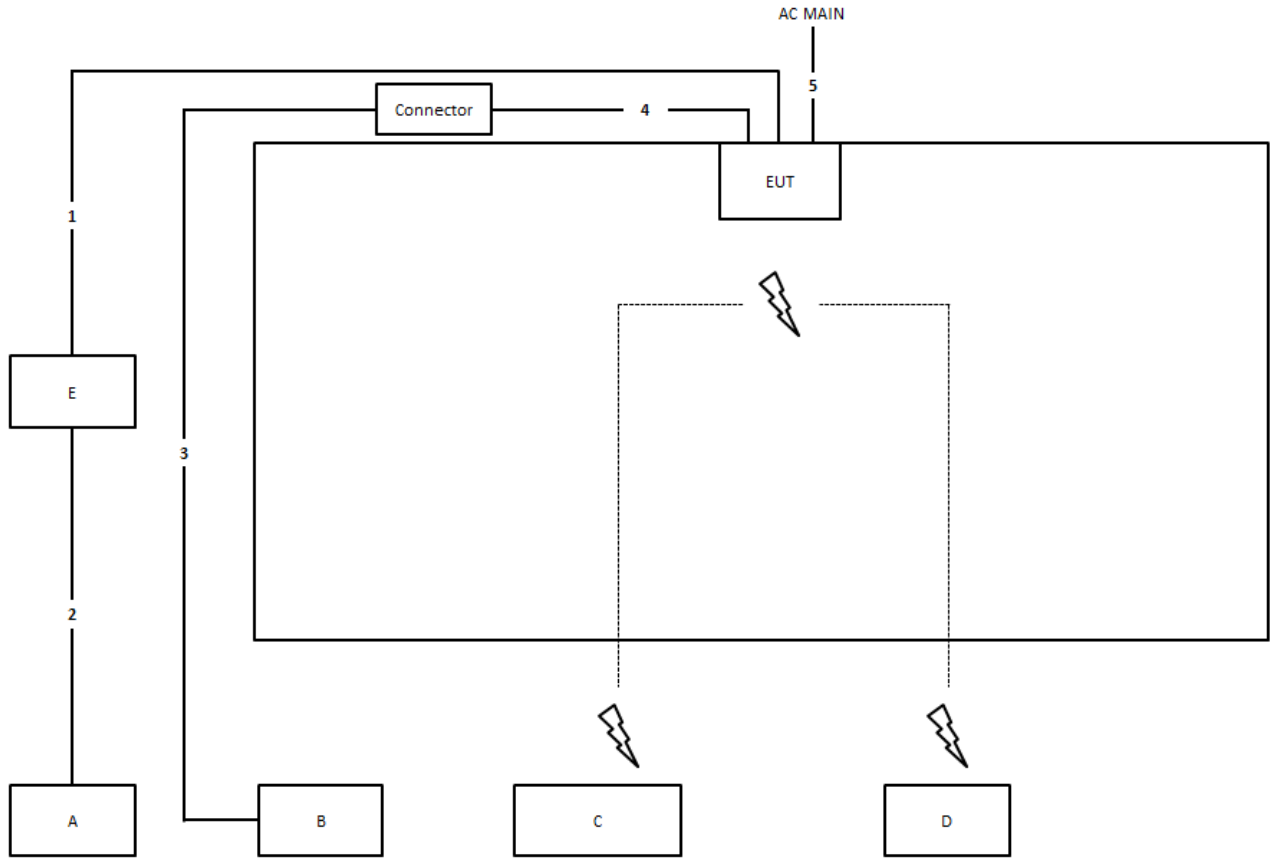
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



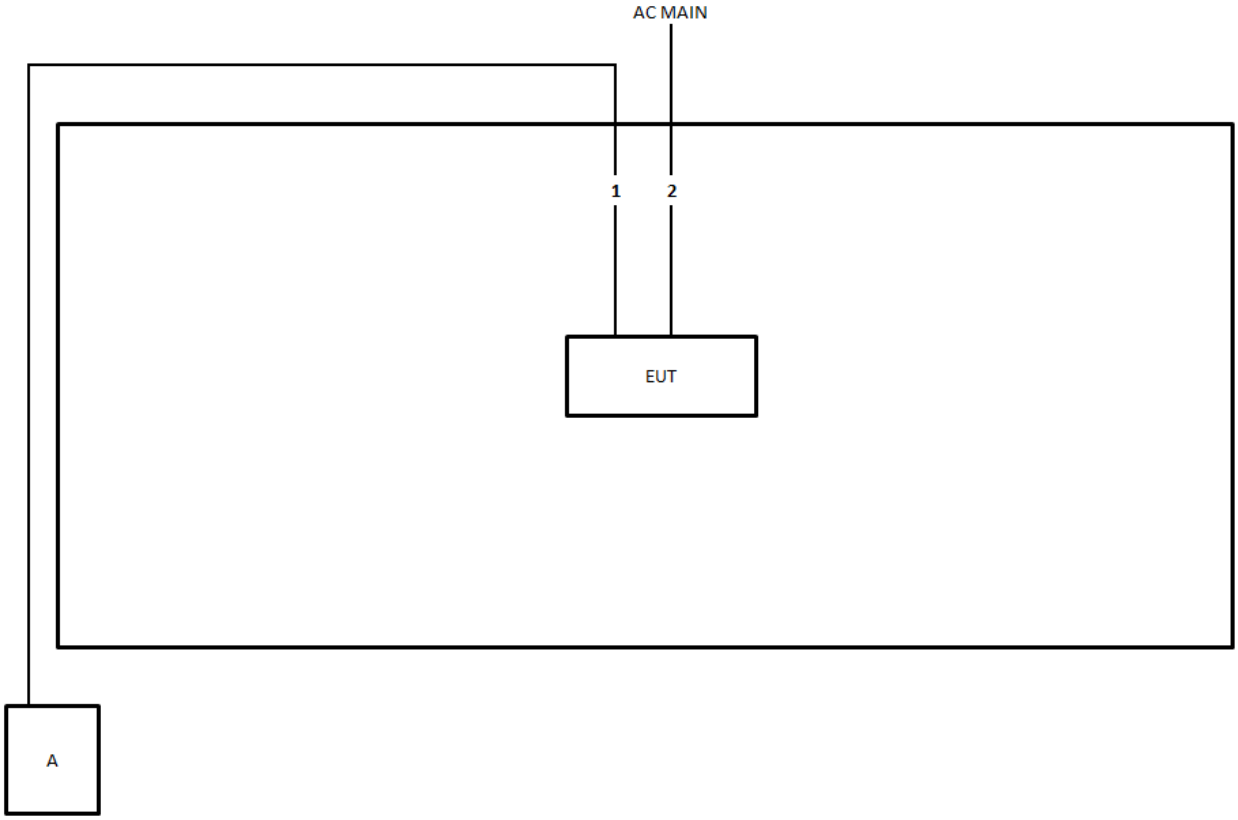
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	3m

Test Setup Diagram - Radiated Test < 1GHz



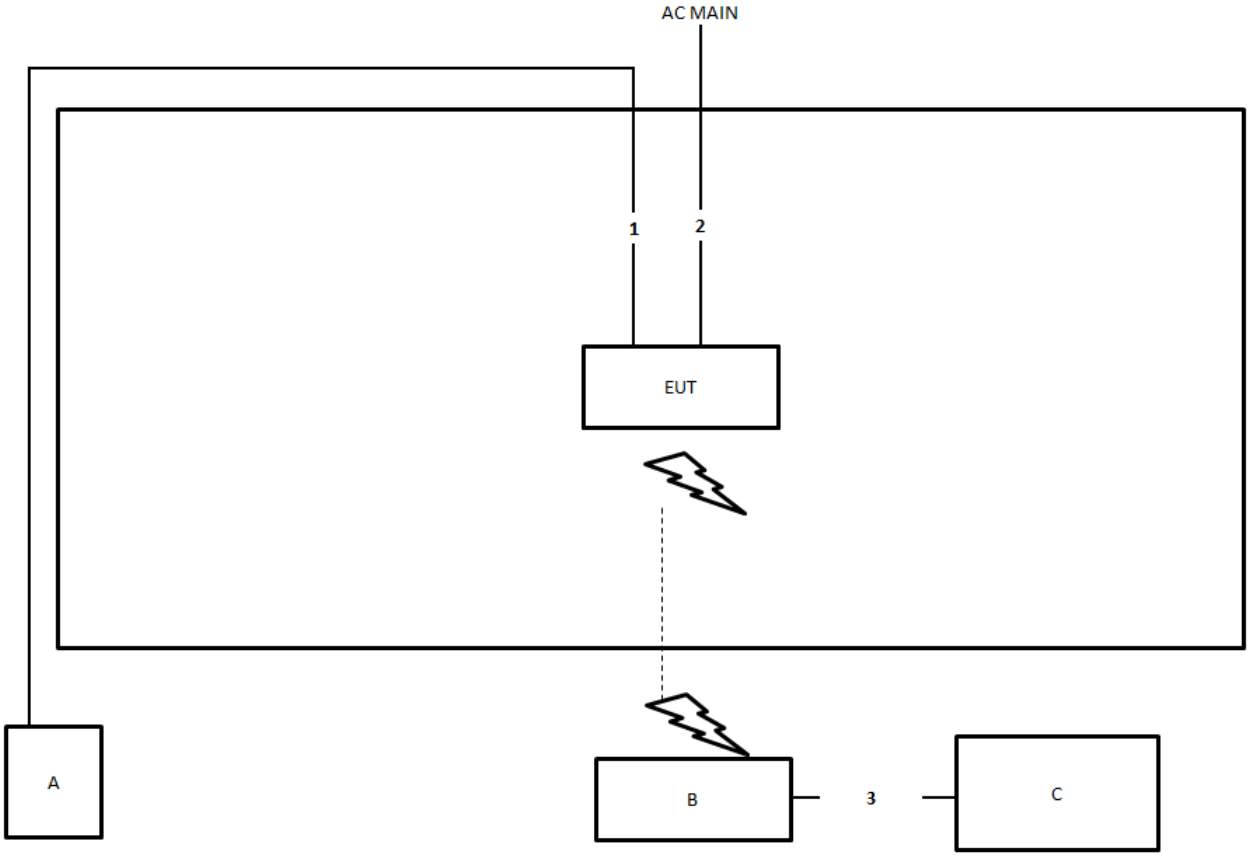
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1m
5	Power cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz / for non-beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz / for beamforming mode



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

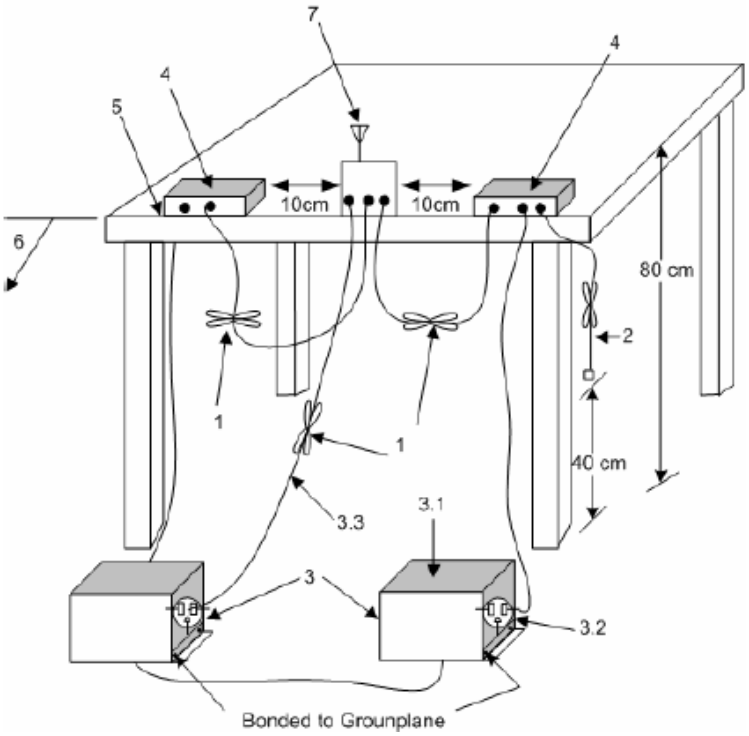
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

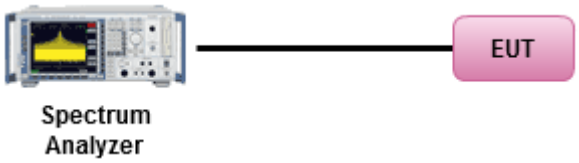
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

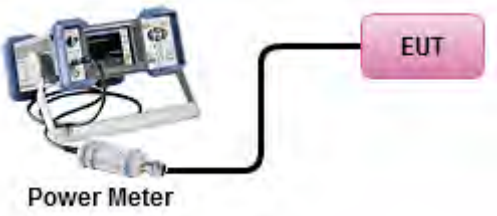
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

3.4.2 Measuring Instruments

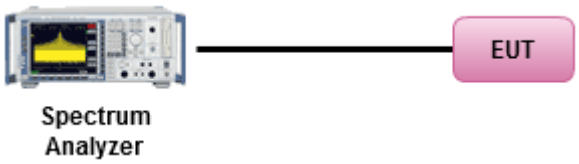
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
	☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.2 Method PKPSD.
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
▪ For conducted measurement.	
	▪ If The EUT supports multiple transmit chains using options given below:
	☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
	☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,

		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (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.	

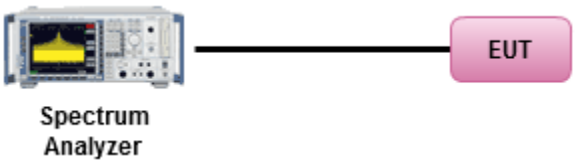
3.5.2 Measuring Instruments

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.

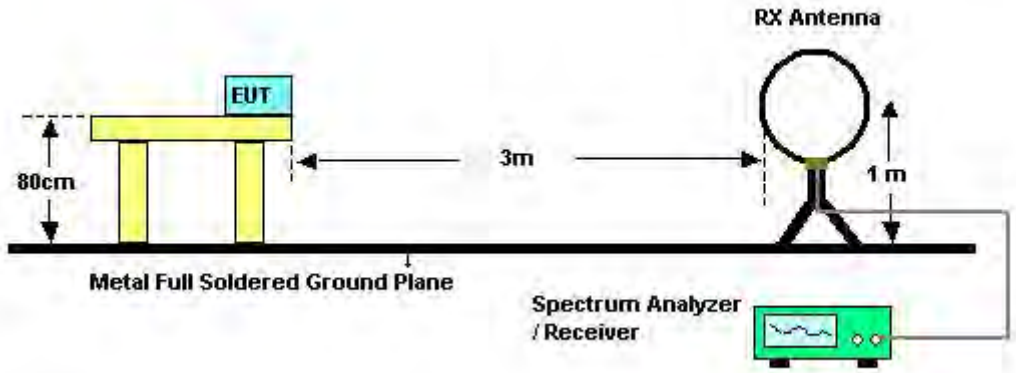
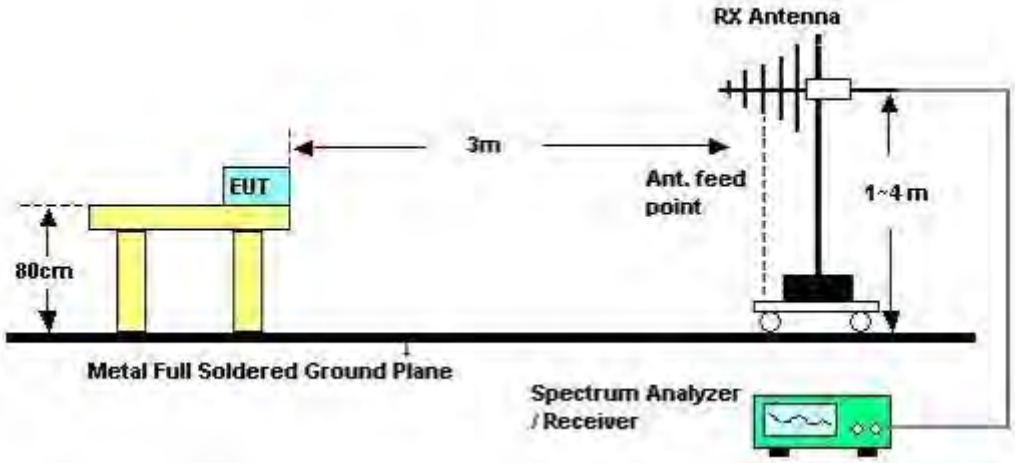
3.6.2 Measuring Instruments

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

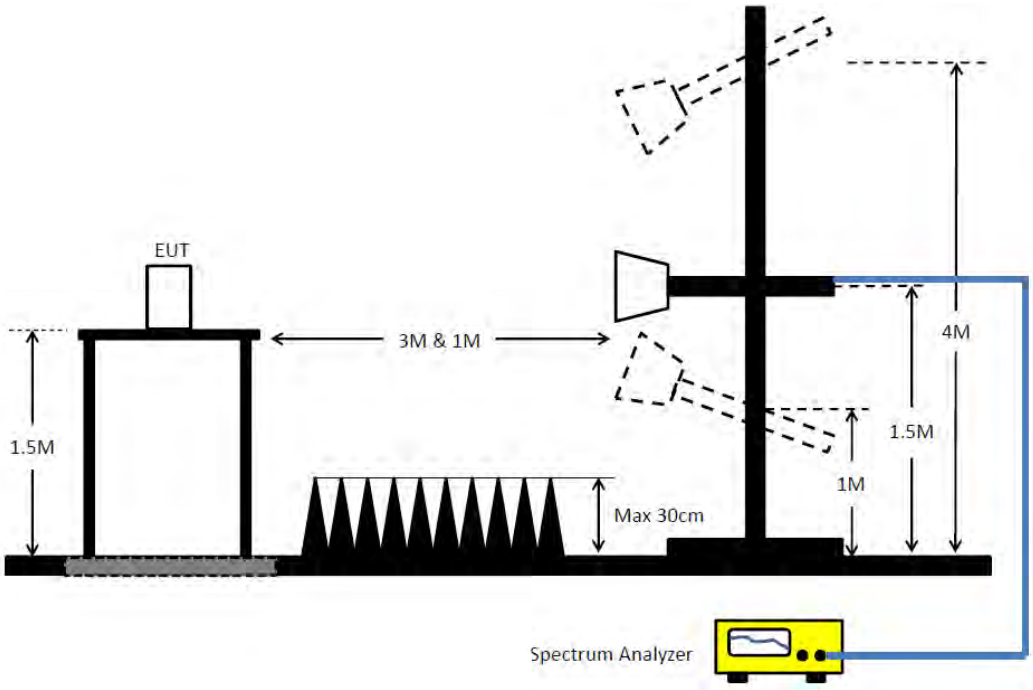
3.6.3 Test Procedures

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 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
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.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

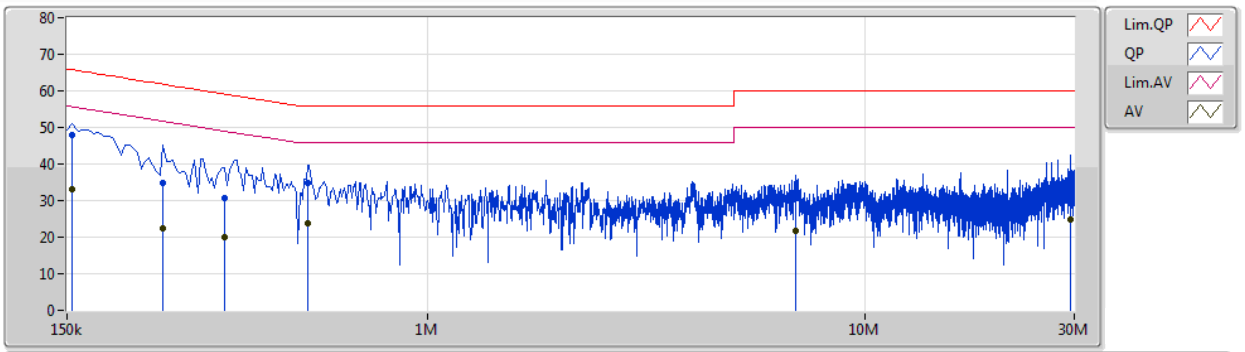
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	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	Oct. 21, 2019	Oct. 20, 2020	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Bilog Antenna with 6dB Attenuator	Schaffner & EMCI	CBL6112 & N-6-06	2888 & AT-N0611	30MHz ~ 1GHz	Oct. 12, 2019	Oct. 11, 2020	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH03-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 19, 2019	Jun. 18, 2020	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+27	25MHz ~ 1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1291	1GHz~18GHz	Oct. 05, 2019	Oct. 04, 2020	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Apr. 16, 2019	Apr. 15, 2020	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)

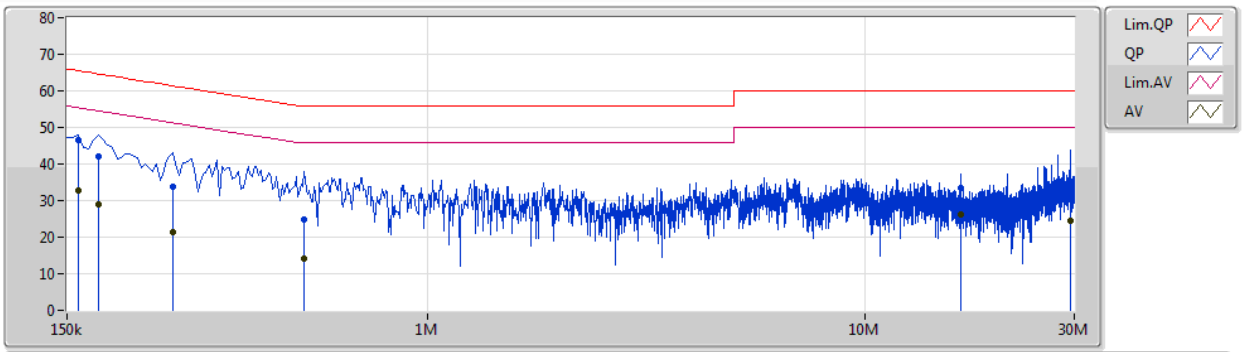
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	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	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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

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



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	47.83	65.75	-17.92	10.21	Line	"Worst"	37.62	0.05	0.06	10.10
AV	154.5k	32.98	55.75	-22.77	10.21	Line	-	22.77	0.05	0.06	10.10
QP	249k	34.71	61.79	-27.08	10.22	Line	-	24.49	0.05	0.07	10.10
AV	249k	22.39	51.79	-29.40	10.22	Line	-	12.17	0.05	0.07	10.10
QP	342.812k	30.57	59.14	-28.57	10.24	Line	-	20.33	0.06	0.08	10.10
AV	342.812k	19.99	49.14	-29.15	10.24	Line	-	9.75	0.06	0.08	10.10
QP	532.5k	34.67	56.00	-21.33	10.25	Line	-	24.42	0.06	0.09	10.10
AV	532.5k	23.95	46.00	-22.05	10.25	Line	-	13.70	0.06	0.09	10.10
QP	6.927M	31.97	60.00	-28.03	10.44	Line	-	21.53	0.17	0.16	10.11
AV	6.927M	21.81	50.00	-28.19	10.44	Line	-	11.37	0.17	0.16	10.11
QP	29.486M	34.97	60.00	-25.03	10.76	Line	-	24.21	0.39	0.24	10.13
AV	29.486M	24.96	50.00	-25.04	10.76	Line	-	14.20	0.39	0.24	10.13



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	46.59	65.52	-18.93	10.19	Neutral	"Worst"	36.40	0.03	0.06	10.10
AV	159k	32.90	55.52	-22.62	10.19	Neutral	-	22.71	0.03	0.06	10.10
QP	177k	42.22	64.62	-22.40	10.19	Neutral	-	32.03	0.03	0.06	10.10
AV	177k	28.99	54.62	-25.63	10.19	Neutral	-	18.80	0.03	0.06	10.10
QP	262.5k	33.84	61.35	-27.51	10.20	Neutral	-	23.64	0.03	0.07	10.10
AV	262.5k	21.46	51.35	-29.89	10.20	Neutral	-	11.26	0.03	0.07	10.10
QP	523.5k	24.72	56.00	-31.28	10.23	Neutral	-	14.49	0.04	0.09	10.10
AV	523.5k	14.25	46.00	-31.75	10.23	Neutral	-	4.02	0.04	0.09	10.10
QP	16.467M	33.29	60.00	-26.71	10.52	Neutral	-	22.77	0.20	0.21	10.11
AV	16.467M	26.20	50.00	-23.80	10.52	Neutral	-	15.68	0.20	0.21	10.11
QP	29.472M	34.65	60.00	-25.35	10.69	Neutral	-	23.96	0.32	0.24	10.13
AV	29.472M	24.44	50.00	-25.56	10.69	Neutral	-	13.75	0.32	0.24	10.13

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	9.05M	13.643M	13M6G1D	7.075M	12.969M
802.11g_Nss1,(6Mbps)_2TX	16.325M	28.486M	28M5D1D	16.275M	16.392M
VHT20_Nss1,(MCS0)_2TX	17.575M	29.91M	29M9D1D	17.55M	17.616M
VHT40_Nss1,(MCS0)_2TX	35.25M	35.932M	35M9D1D	33.8M	35.832M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.525M	13.068M	7.075M	12.969M
2437MHz	Pass	500k	7.525M	13.543M	9.05M	13.643M
2462MHz	Pass	500k	7.6M	13.093M	8.5M	13.118M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.417M	16.325M	16.392M
2437MHz	Pass	500k	16.275M	28.486M	16.275M	27.861M
2462MHz	Pass	500k	16.325M	16.392M	16.325M	16.392M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.616M	17.575M	17.616M
2437MHz	Pass	500k	17.55M	29.91M	17.575M	29.36M
2462MHz	Pass	500k	17.575M	17.616M	17.575M	17.616M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.25M	35.932M	35M	35.832M
2437MHz	Pass	500k	33.85M	35.932M	33.8M	35.882M
2452MHz	Pass	500k	34.2M	35.882M	35M	35.882M

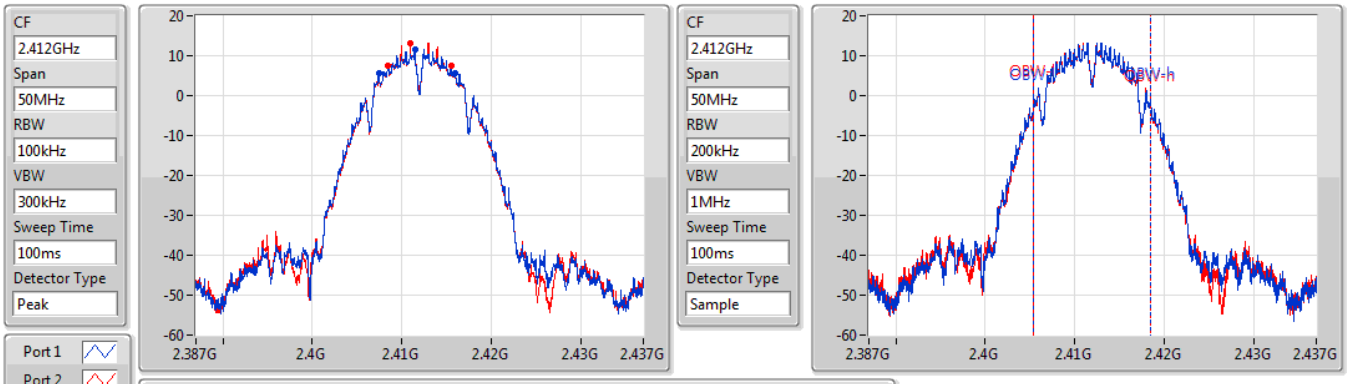
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

05/11/2019



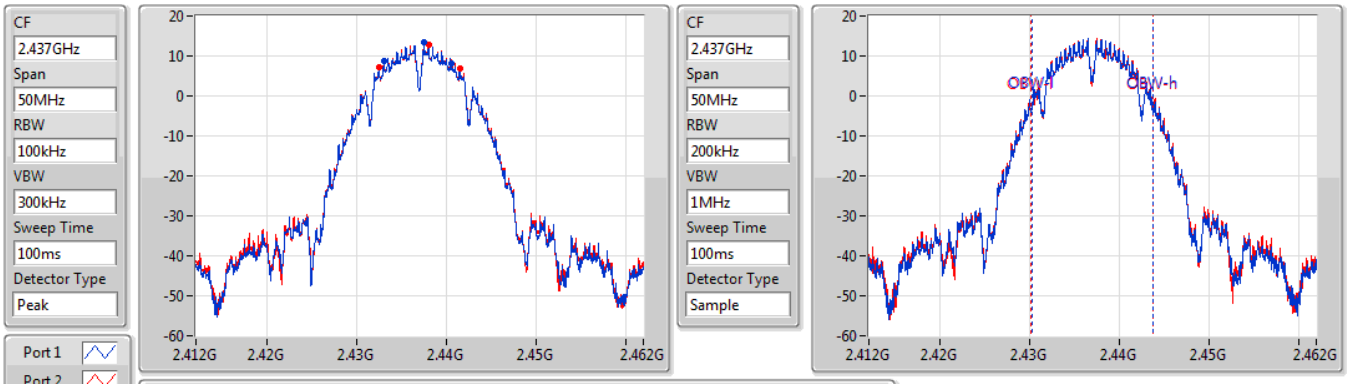
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.40745G	2.415975G	13.068M	2.405403G	2.418472G	500k	1
7.075M	2.408425G	2.4155G	12.969M	2.405453G	2.418422G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

05/11/2019



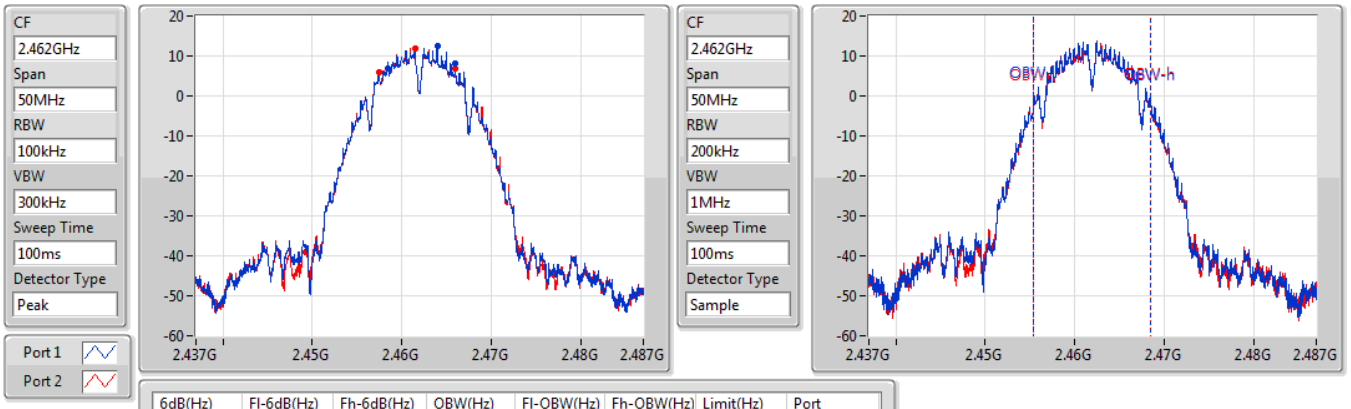
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.433G	2.440525G	13.543M	2.430178G	2.443722G	500k	1
9.05M	2.43245G	2.4415G	13.643M	2.430153G	2.443797G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

05/11/2019



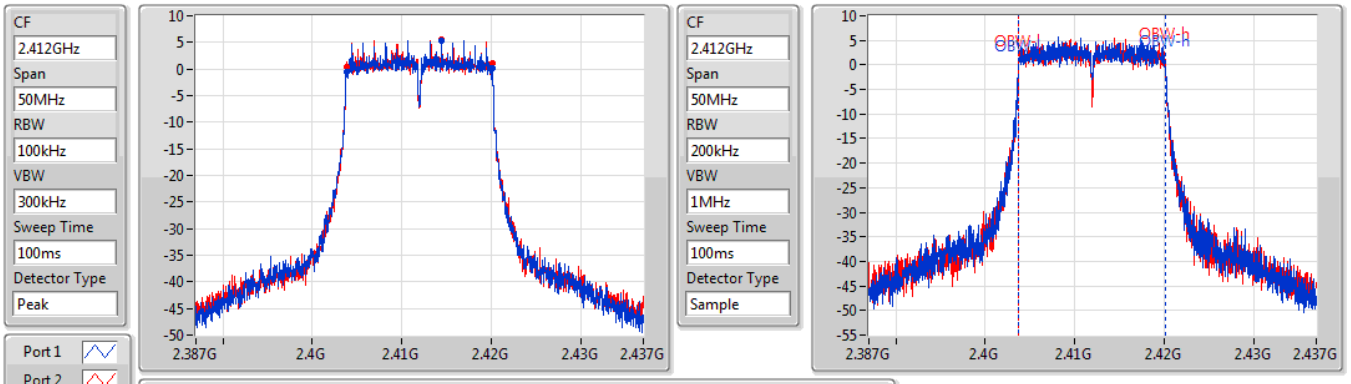
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.6M	2.4584G	2.466G	13.093M	2.455403G	2.468497G	500k	1
8.5M	2.45745G	2.46595G	13.118M	2.455378G	2.468497G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

05/11/2019



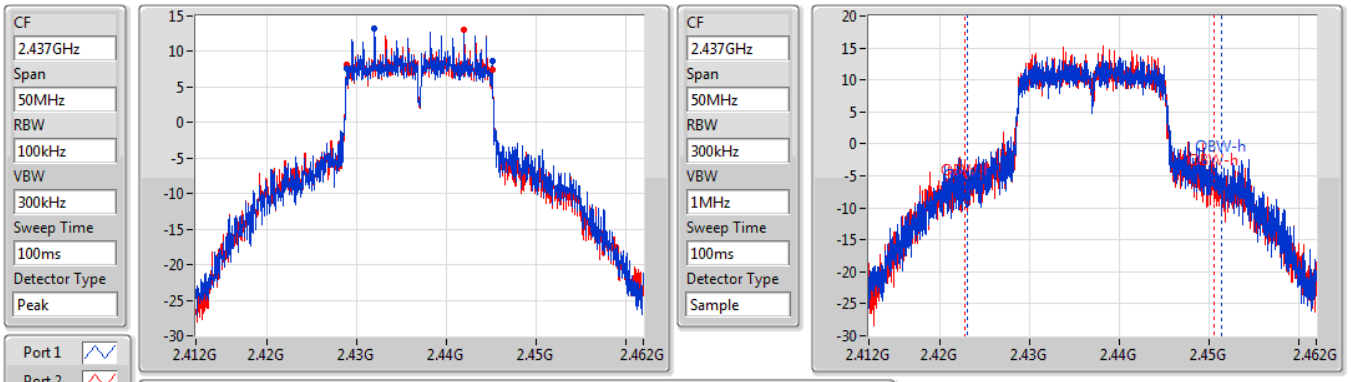
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4038G	2.420125G	16.417M	2.403729G	2.420146G	500k	1
16.325M	2.4038G	2.420125G	16.392M	2.403754G	2.420146G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

05/11/2019



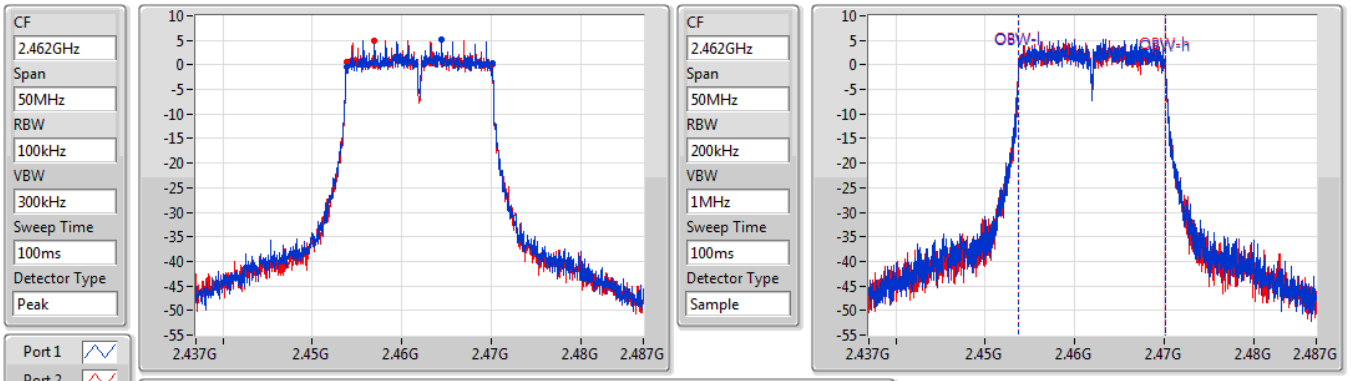
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.428825G	2.4451G	28.486M	2.422957G	2.451443G	500k	1
16.275M	2.428825G	2.4451G	27.861M	2.422682G	2.450543G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

05/11/2019



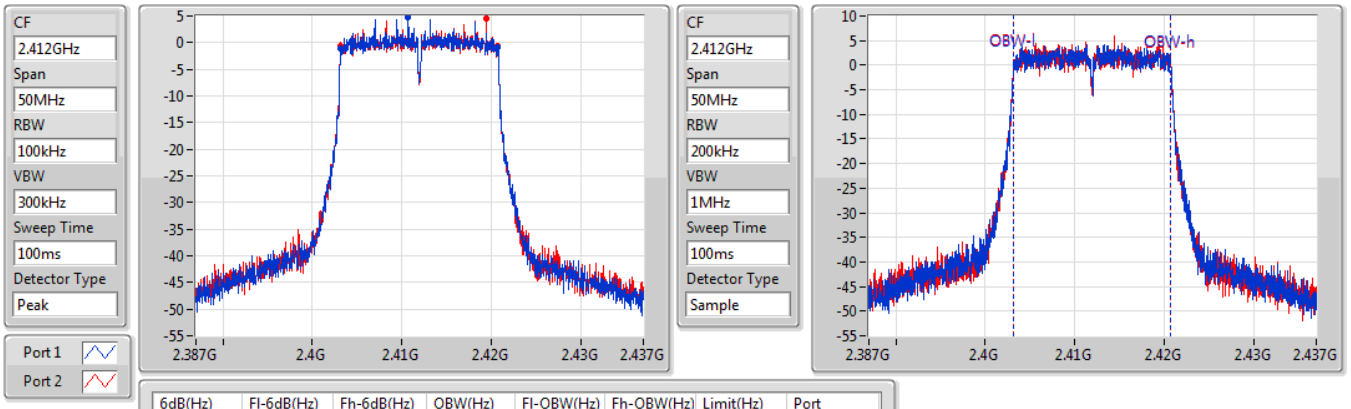
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4538G	2.470125G	16.392M	2.453754G	2.470146G	500k	1
16.325M	2.4538G	2.470125G	16.392M	2.453754G	2.470146G	500k	2

VHT20_Nss1,(MCS0)_2TX

EBW

2412MHz

05/11/2019



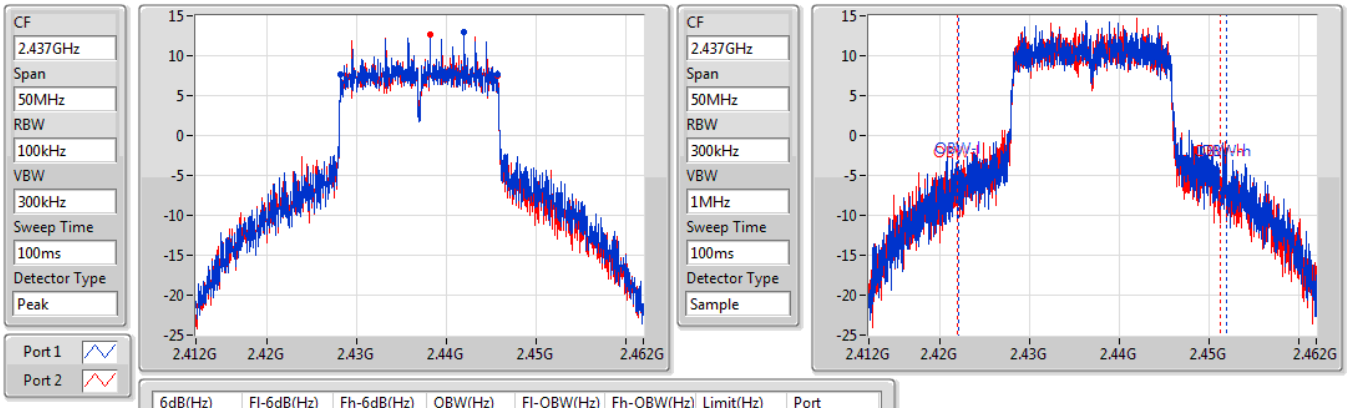
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403175G	2.42075G	17.616M	2.403154G	2.420771G	500k	1
17.575M	2.403175G	2.42075G	17.616M	2.403154G	2.420771G	500k	2

VHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

05/11/2019



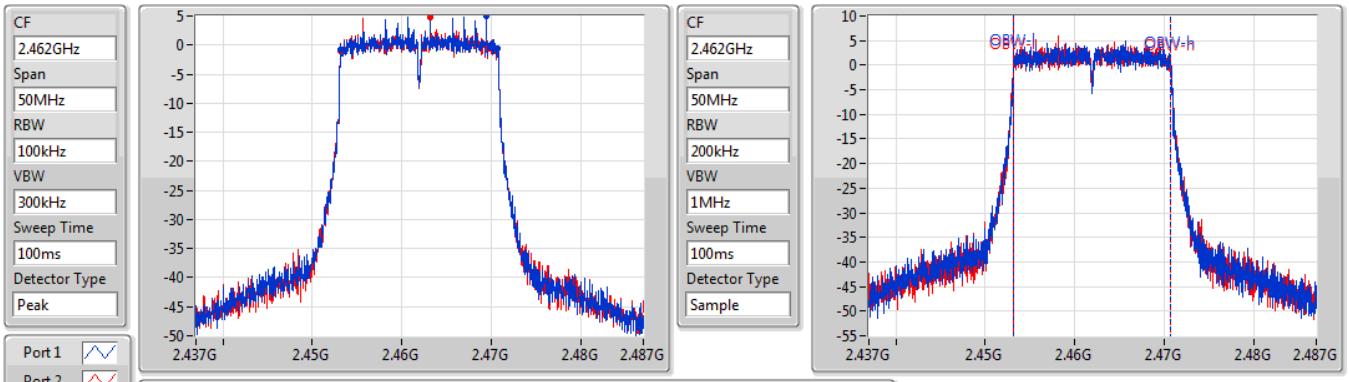
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.428175G	2.445725G	29.91M	2.422057G	2.451968G	500k	1
17.575M	2.428175G	2.44575G	29.36M	2.421958G	2.451318G	500k	2

VHT20_Nss1,(MCS0)_2TX

EBW

2462MHz

05/11/2019



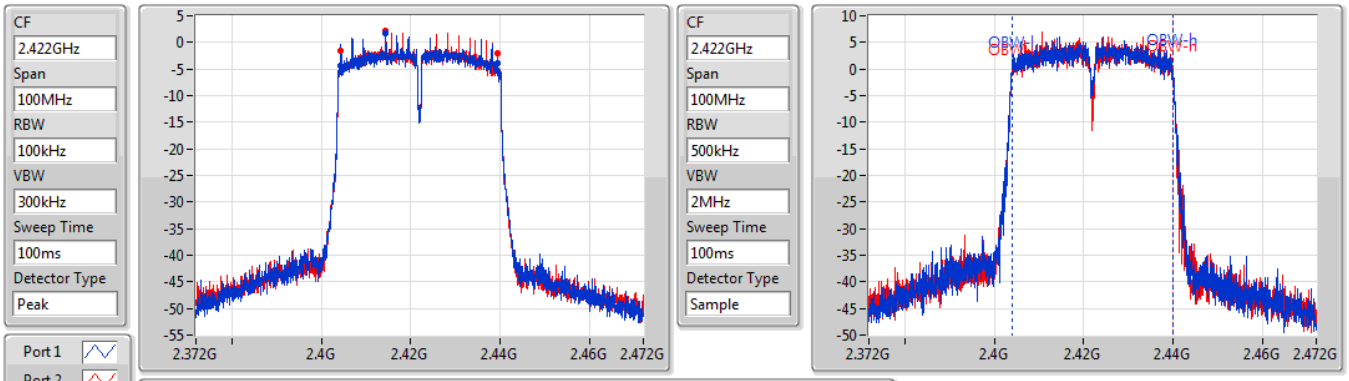
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453175G	2.47075G	17.616M	2.453154G	2.470771G	500k	1
17.575M	2.453175G	2.47075G	17.616M	2.453129G	2.470746G	500k	2

VHT40_Nss1,(MCS0)_2TX

EBW

2422MHz

05/11/2019



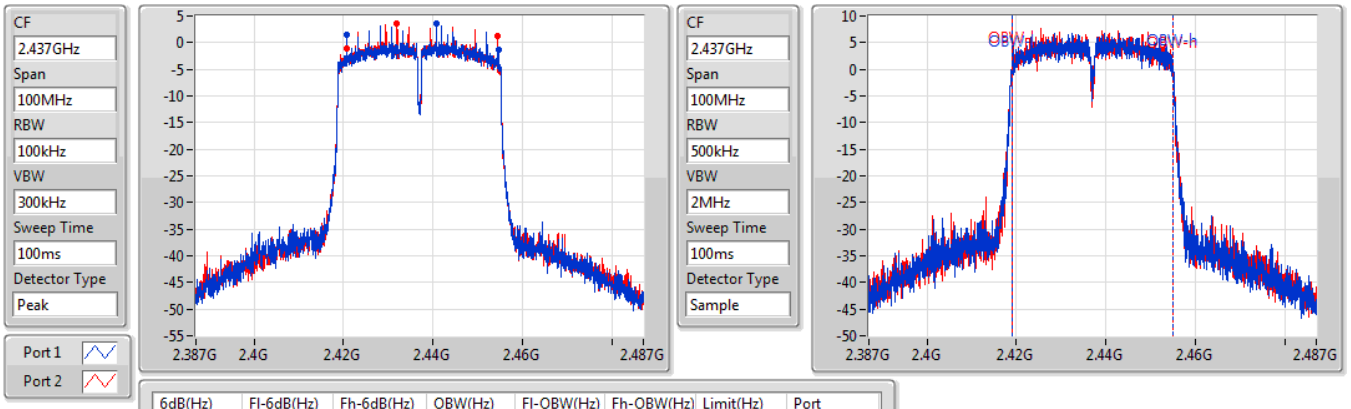
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.25M	2.40425G	2.4395G	35.932M	2.404009G	2.439941G	500k	1
35M	2.4044G	2.4394G	35.832M	2.404009G	2.439841G	500k	2

VHT40_Nss1,(MCS0)_2TX

EBW

2437MHz

05/11/2019



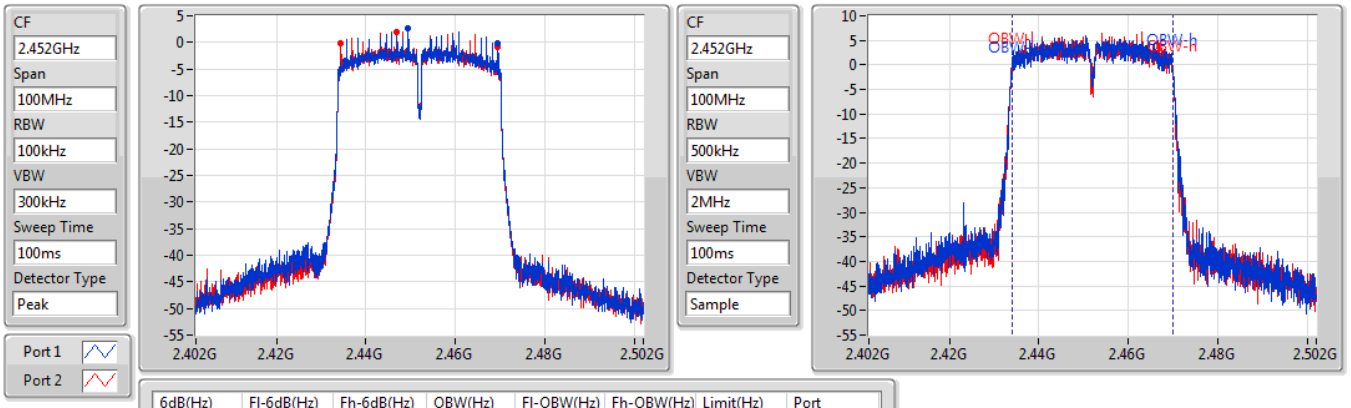
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	2.4207G	2.45455G	35.932M	2.418959G	2.454891G	500k	1
33.8M	2.42065G	2.45445G	35.882M	2.419009G	2.454891G	500k	2

VHT40_Nss1,(MCS0)_2TX

EBW

2452MHz

05/11/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.2M	2.4353G	2.4695G	35.882M	2.434009G	2.469891G	500k	1
35M	2.43445G	2.46945G	35.882M	2.433959G	2.469841G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	17.55M	17.791M	17M8D1D	15.95M	17.591M
VHT40-BF_Nss1,(MCS0)_2TX	35M	35.982M	36M0D1D	27.55M	35.832M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.15M	17.666M	17.125M	17.616M
2437MHz	Pass	500k	15.95M	17.791M	17.55M	17.791M
2462MHz	Pass	500k	16.8M	17.591M	17.35M	17.616M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	34.95M	35.882M	31.3M	35.932M
2437MHz	Pass	500k	32.55M	35.982M	27.55M	35.832M
2452MHz	Pass	500k	32.6M	35.932M	35M	35.932M

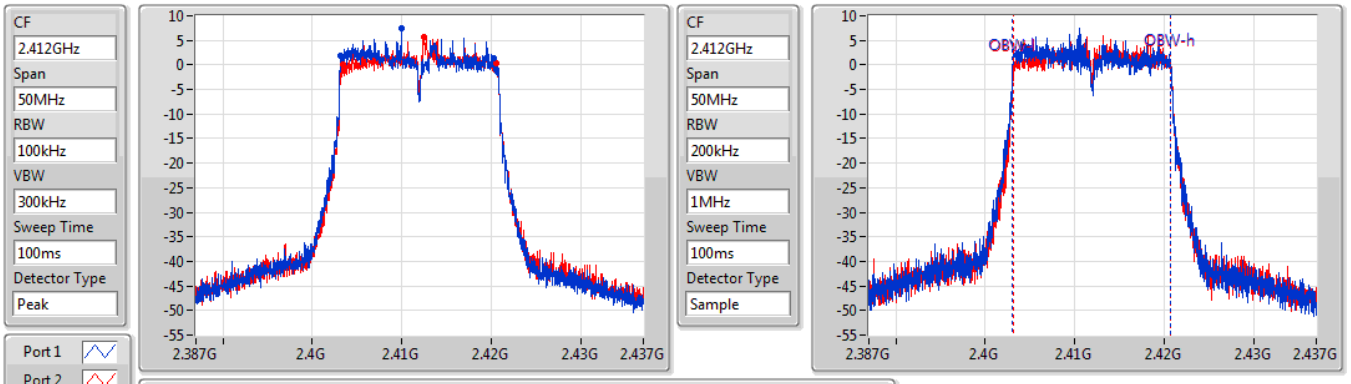
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

05/11/2019



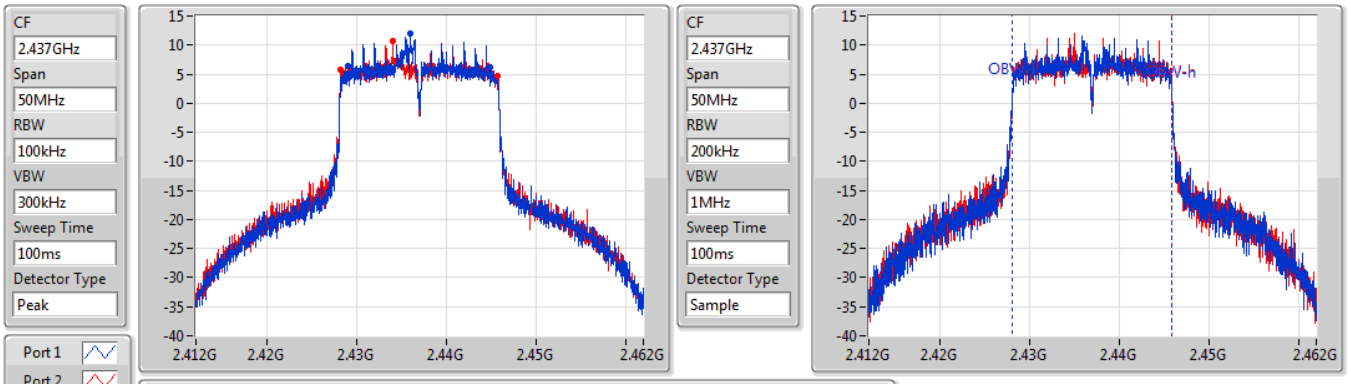
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.403175G	2.420325G	17.666M	2.403079G	2.420746G	500k	1
17.125M	2.40345G	2.420575G	17.616M	2.403154G	2.420771G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

05/11/2019



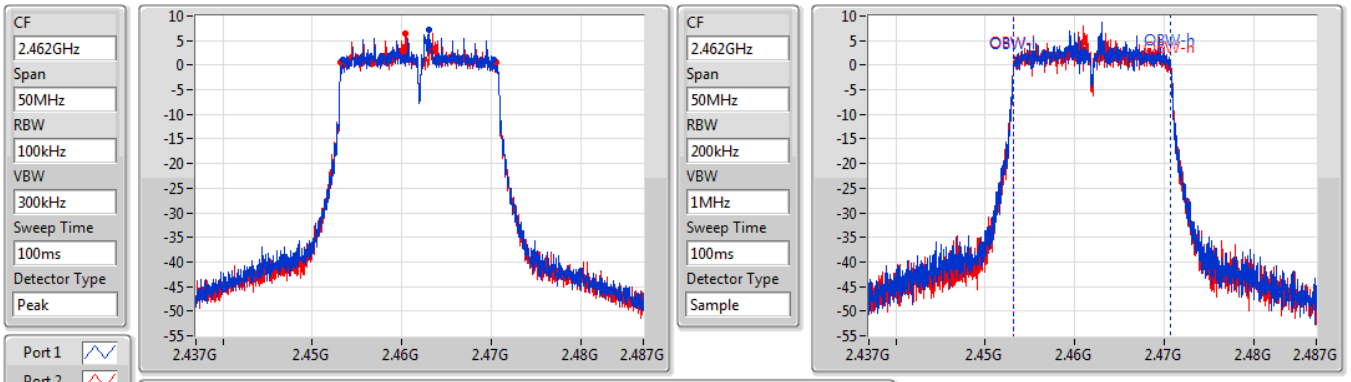
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.95M	2.428925G	2.444875G	17.791M	2.428054G	2.445846G	500k	1
17.55M	2.4282G	2.44575G	17.791M	2.428054G	2.445846G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

05/11/2019



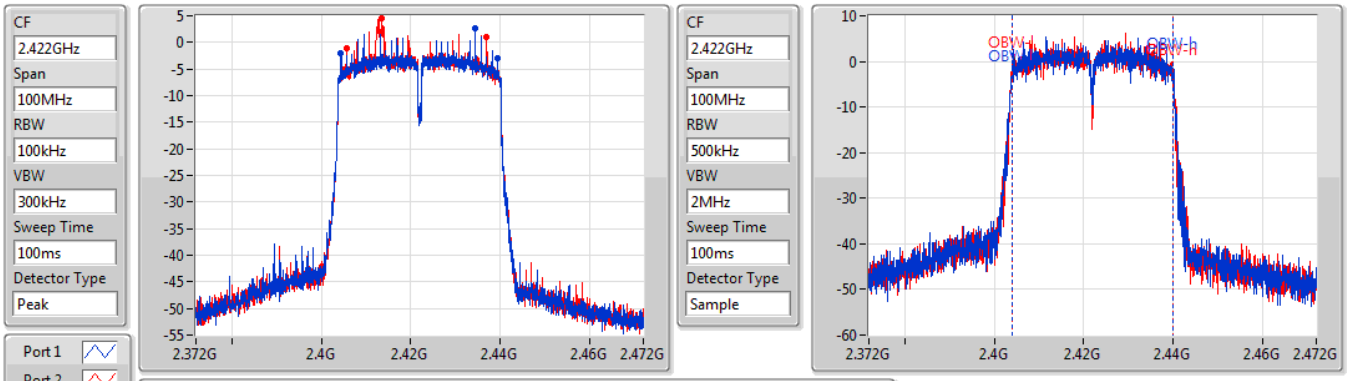
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.8M	2.4535G	2.4703G	17.591M	2.453154G	2.470746G	500k	1
17.35M	2.453225G	2.470575G	17.616M	2.453129G	2.470746G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

05/11/2019



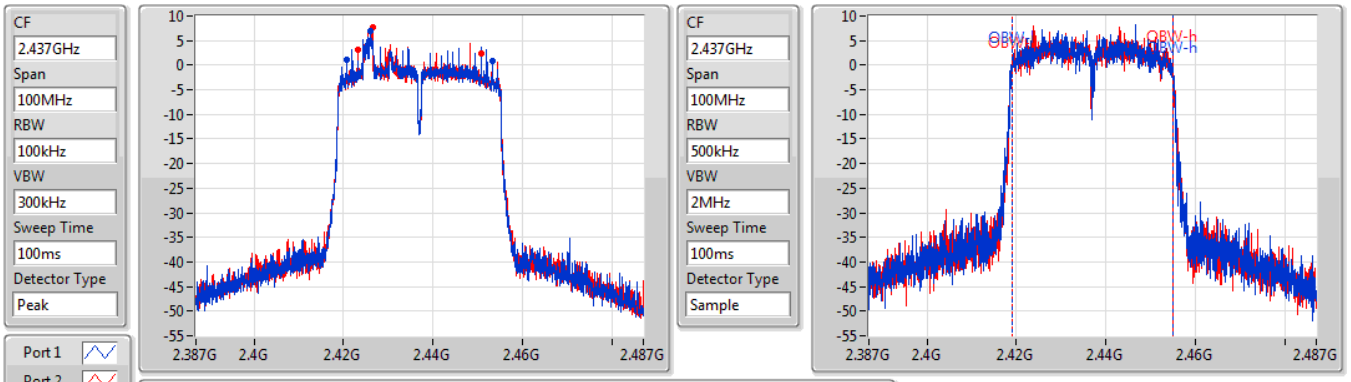
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.95M	2.40445G	2.4394G	35.882M	2.404009G	2.439891G	500k	1
31.3M	2.4057G	2.437G	35.932M	2.403959G	2.439891G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

05/11/2019



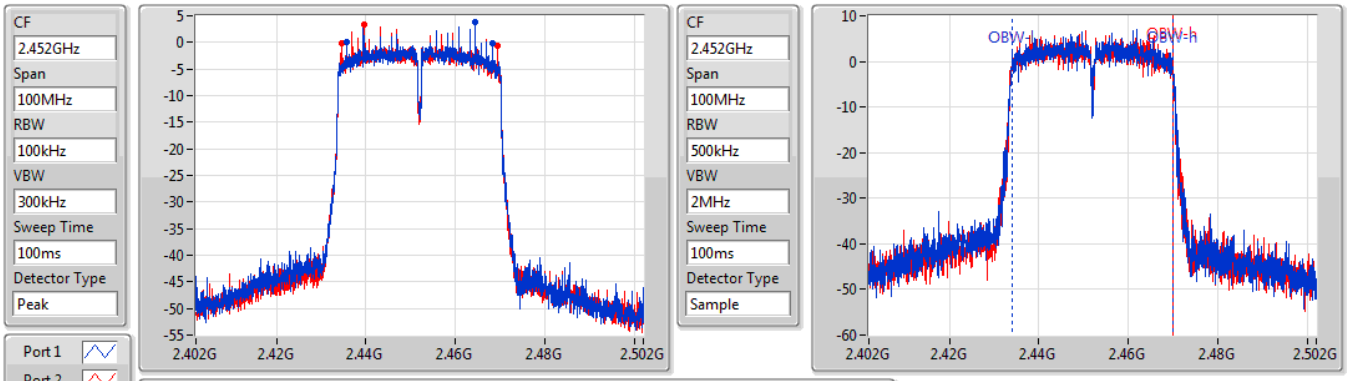
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	2.4207G	2.45325G	35.982M	2.418909G	2.454891G	500k	1
27.55M	2.42315G	2.4507G	35.832M	2.419009G	2.454841G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

05/11/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.6M	2.43565G	2.46825G	35.932M	2.433959G	2.469891G	500k	1
35M	2.4345G	2.4695G	35.932M	2.433909G	2.469841G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.47	0.44361
802.11g_Nss1,(6Mbps)_2TX	27.35	0.54325
VHT20_Nss1,(MCS0)_2TX	27.51	0.56364
VHT40_Nss1,(MCS0)_2TX	21.24	0.13305

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.15	22.19	22.15	25.18	30.00
2437MHz	Pass	4.15	23.43	23.48	26.47	30.00
2462MHz	Pass	4.15	22.28	22.39	25.35	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.15	17.87	17.84	20.87	30.00
2417MHz	Pass	4.15	19.97	20.08	23.04	30.00
2437MHz	Pass	4.15	24.27	24.40	27.35	30.00
2457MHz	Pass	4.15	20.17	20.13	23.16	30.00
2462MHz	Pass	4.15	17.47	17.43	20.46	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.15	17.42	17.40	20.42	30.00
2417MHz	Pass	4.15	19.68	19.65	22.68	30.00
2437MHz	Pass	4.15	24.45	24.55	27.51	30.00
2457MHz	Pass	4.15	19.69	19.66	22.69	30.00
2462MHz	Pass	4.15	17.51	17.51	20.52	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.15	17.14	17.18	20.17	30.00
2437MHz	Pass	4.15	18.19	18.26	21.24	30.00
2452MHz	Pass	4.15	17.34	17.26	20.31	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	24.65	0.29174
VHT40-BF_Nss1,(MCS0)_2TX	20.73	0.11830

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	17.46	17.27	20.38	29.59
2417MHz	Pass	6.41	18.26	18.17	21.23	29.59
2437MHz	Pass	6.41	21.92	21.35	24.65	29.59
2457MHz	Pass	6.41	18.58	18.28	21.44	29.59
2462MHz	Pass	6.41	17.49	17.32	20.42	29.59
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.41	15.71	15.68	18.71	29.59
2437MHz	Pass	6.41	17.66	17.77	20.73	29.59
2452MHz	Pass	6.41	16.97	16.73	19.86	29.59

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.29
802.11g_Nss1,(6Mbps)_2TX	-2.46
VHT20_Nss1,(MCS0)_2TX	-2.01
VHT40_Nss1,(MCS0)_2TX	-9.30

RBW=3 kHz.

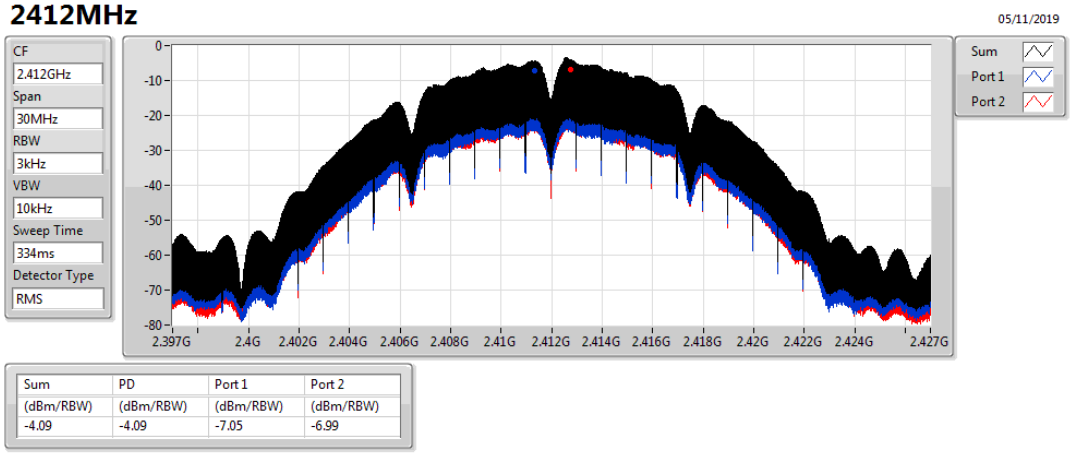
Result

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	6.41	-7.05	-6.99	-4.09	7.59
2437MHz	Pass	6.41	-5.88	-6.33	-3.29	7.59
2462MHz	Pass	6.41	-6.76	-6.76	-4.04	7.59
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	-10.88	-10.29	-8.59	7.59
2437MHz	Pass	6.41	-4.62	-4.49	-2.46	7.59
2462MHz	Pass	6.41	-11.05	-11.42	-9.60	7.59
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	-11.53	-11.59	-9.37	7.59
2437MHz	Pass	6.41	-3.76	-4.43	-2.01	7.59
2462MHz	Pass	6.41	-10.87	-10.45	-9.13	7.59
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.41	-12.79	-13.02	-11.19	7.59
2437MHz	Pass	6.41	-11.51	-12.86	-9.30	7.59
2452MHz	Pass	6.41	-12.82	-13.59	-10.58	7.59

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

802.11b_Nss1,(1Mbps)_2TX PSD

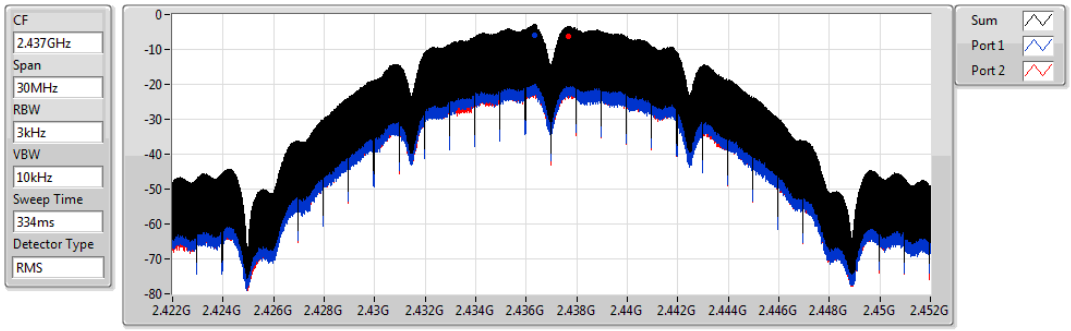
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.09	-4.09	-7.05	-6.99

802.11b_Nss1,(1Mbps)_2TX PSD

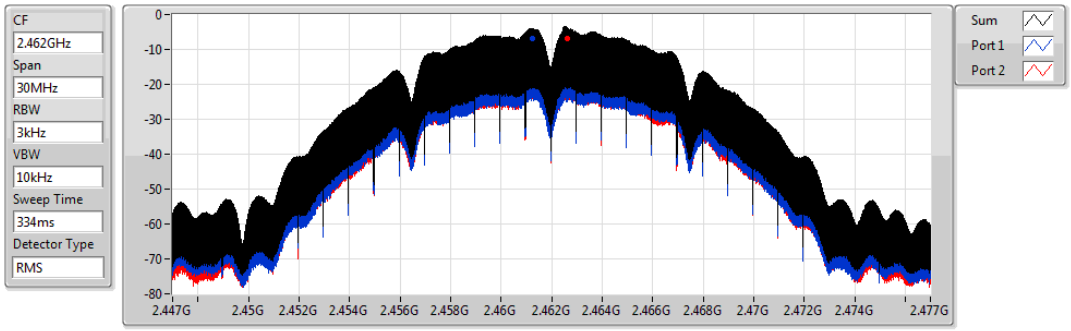
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.29	-3.29	-5.88	-6.33

802.11b_Nss1,(1Mbps)_2TX PSD

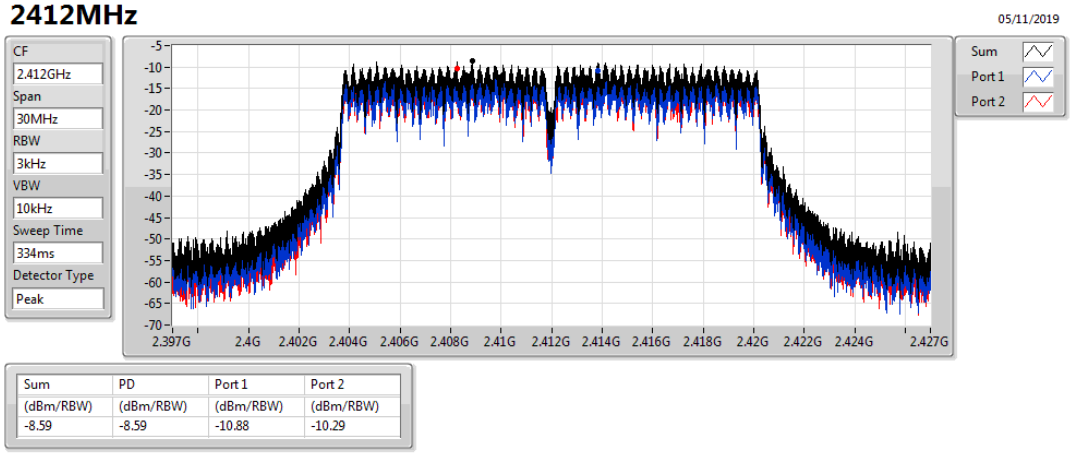
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.04	-4.04	-6.76	-6.76

802.11g_Nss1,(6Mbps)_2TX PSD

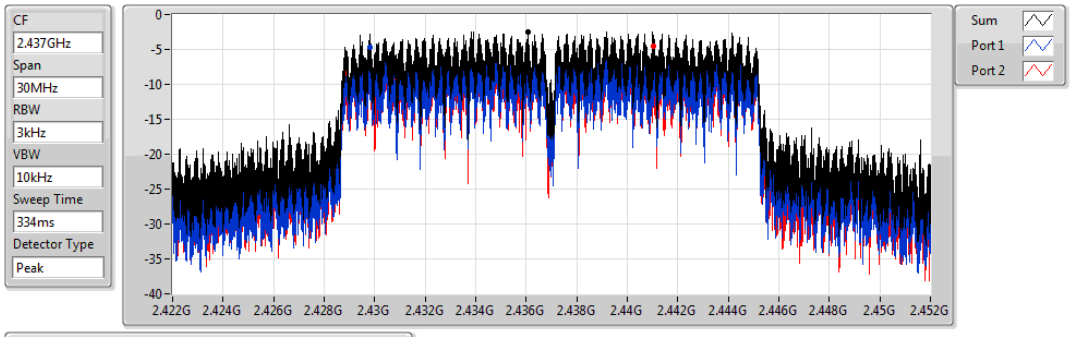
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.59	-8.59	-10.88	-10.29

802.11g_Nss1,(6Mbps)_2TX PSD

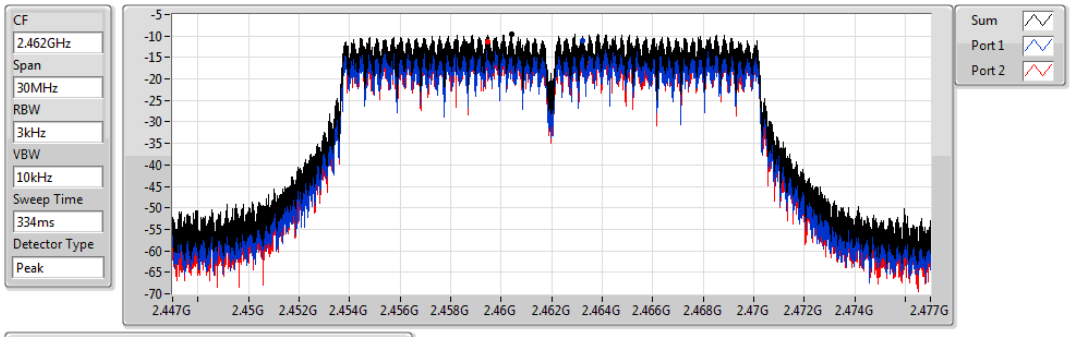
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.46	-2.46	-4.62	-4.49

802.11g_Nss1,(6Mbps)_2TX PSD

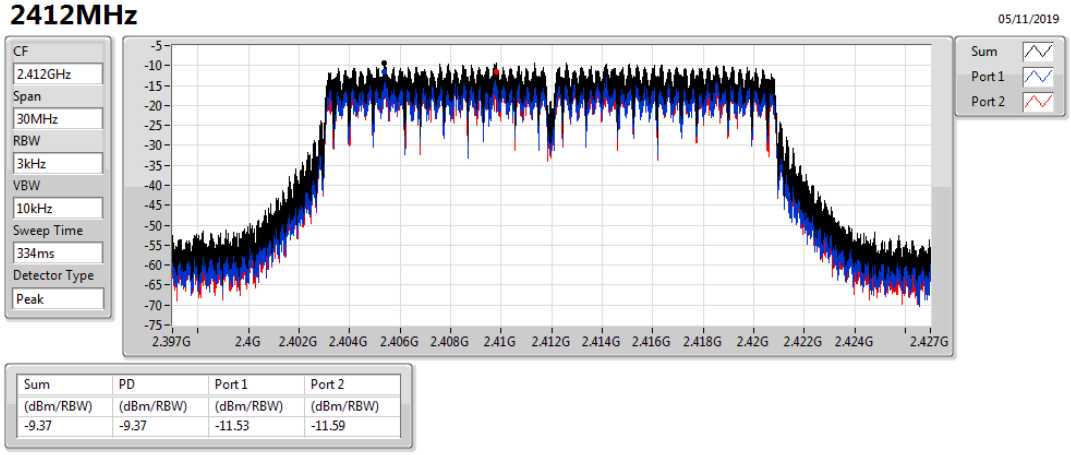
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.60	-9.60	-11.05	-11.42

VHT20_Nss1,(MCS0)_2TX PSD

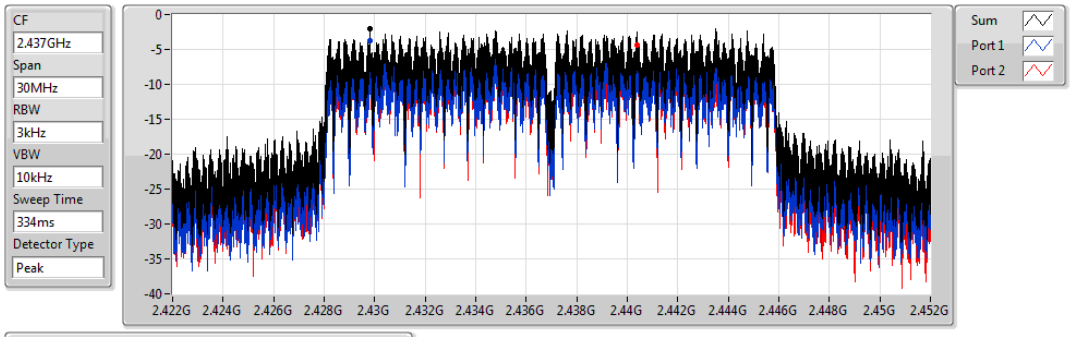
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.37	-9.37	-11.53	-11.59

VHT20_Nss1,(MCS0)_2TX PSD

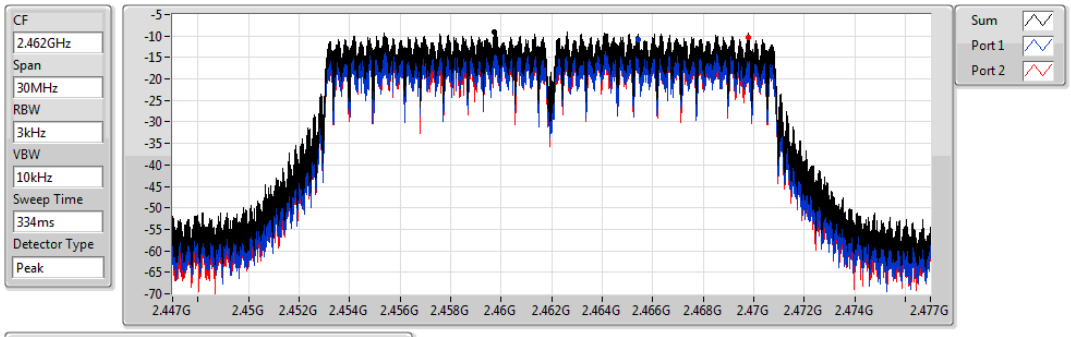
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.01	-2.01	-3.76	-4.43

VHT20_Nss1,(MCS0)_2TX PSD

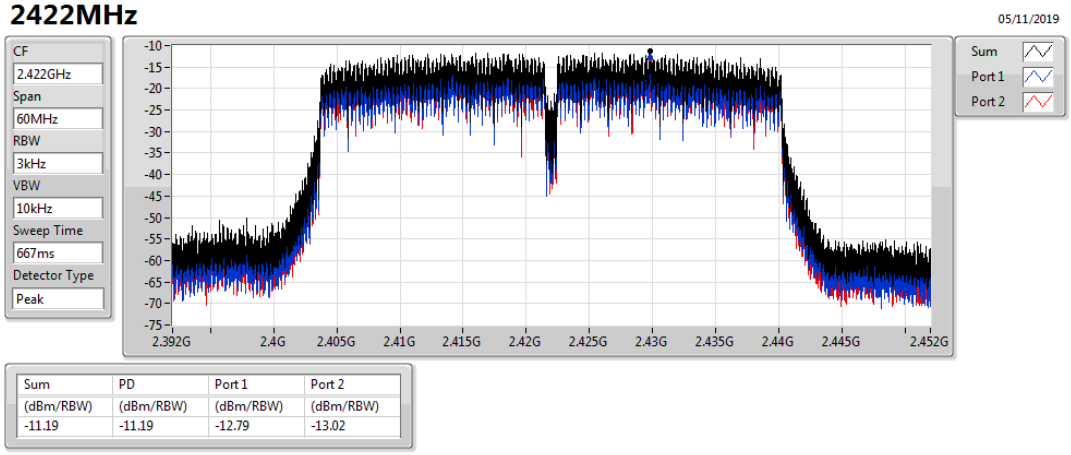
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.13	-9.13	-10.87	-10.45

VHT40_Nss1,(MCS0)_2TX PSD

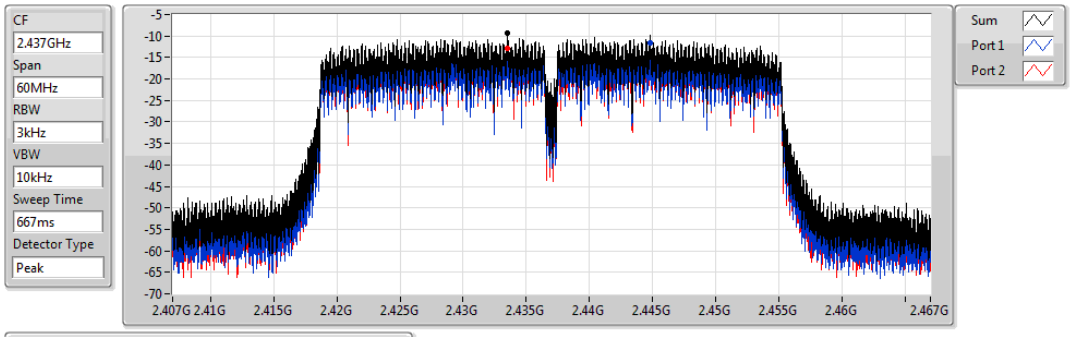
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.19	-11.19	-12.79	-13.02

VHT40_Nss1,(MCS0)_2TX PSD

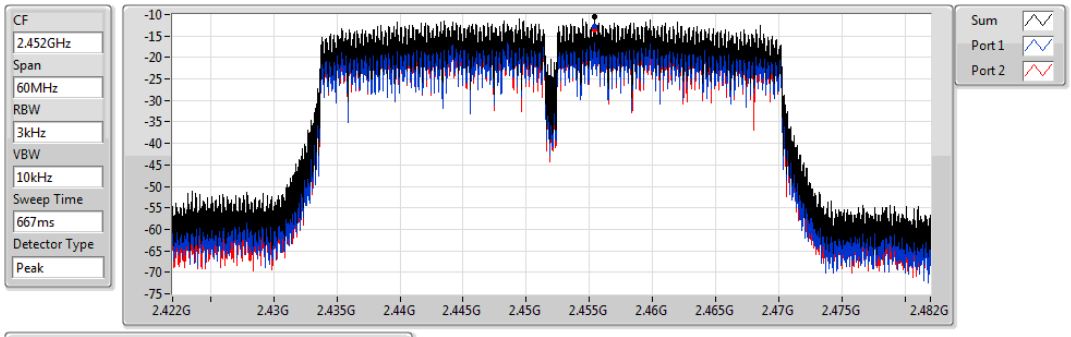
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.30	-9.30	-11.51	-12.86

VHT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.58	-10.58	-12.82	-13.59

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-2.03
VHT40-BF_Nss1,(MCS0)_2TX	-4.30

RBW=3 kHz.

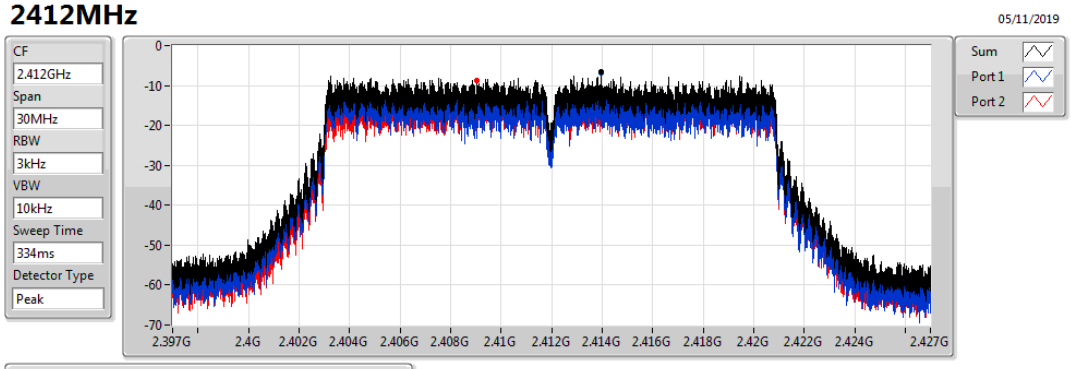
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.41	-6.79	-8.77	-6.43	7.59
2437MHz	Pass	6.41	-4.22	-3.14	-2.03	7.59
2462MHz	Pass	6.41	-7.21	-7.34	-5.43	7.59
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.41	-9.09	-7.04	-6.87	7.59
2437MHz	Pass	6.41	-7.84	-6.04	-4.30	7.59
2452MHz	Pass	6.41	-8.47	-8.29	-5.72	7.59

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

VHT20-BF_Nss1,(MCS0)_2TX PSD

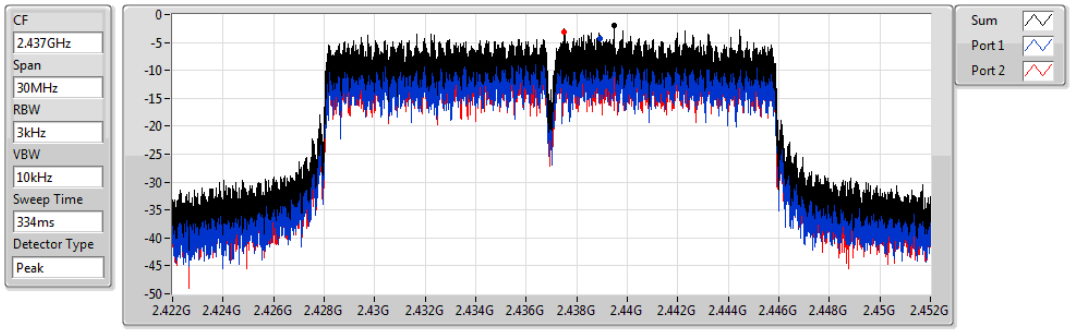
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.43	-6.43	-6.79	-8.77

VHT20-BF_Nss1,(MCS0)_2TX PSD

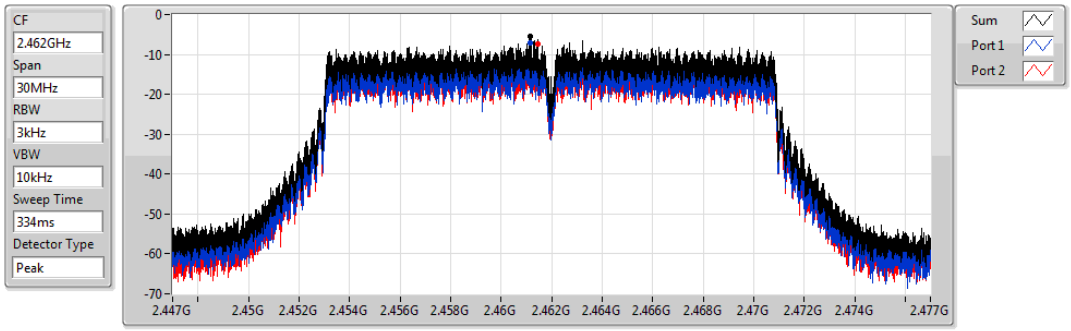
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.03	-2.03	-4.22	-3.14

VHT20-BF_Nss1,(MCS0)_2TX PSD

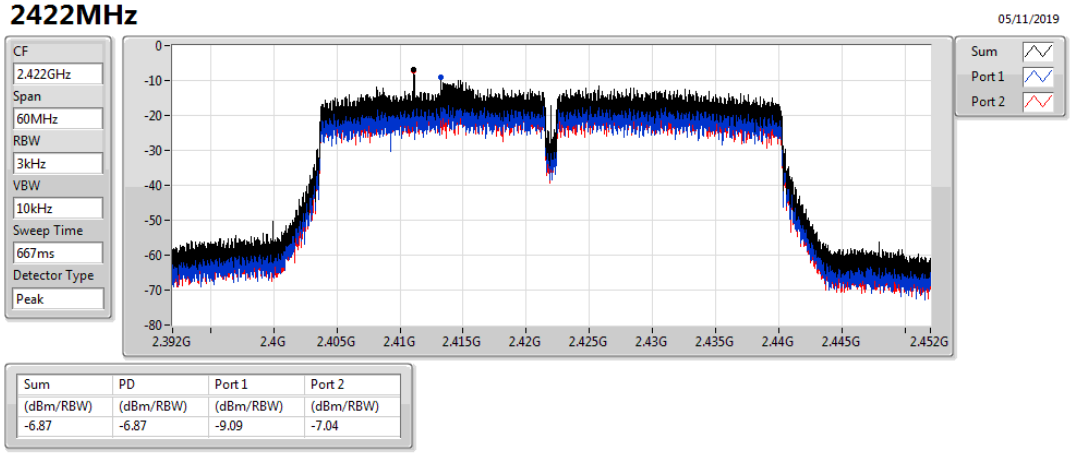
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.43	-5.43	-7.21	-7.34

VHT40-BF_Nss1,(MCS0)_2TX PSD

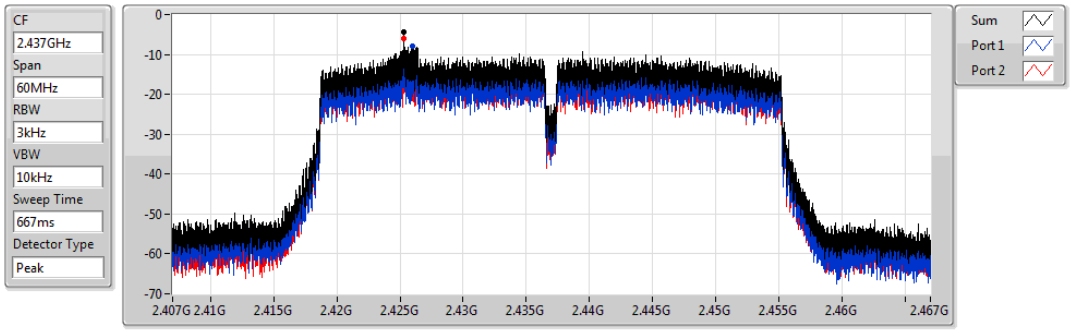
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.87	-6.87	-9.09	-7.04

VHT40-BF_Nss1,(MCS0)_2TX PSD

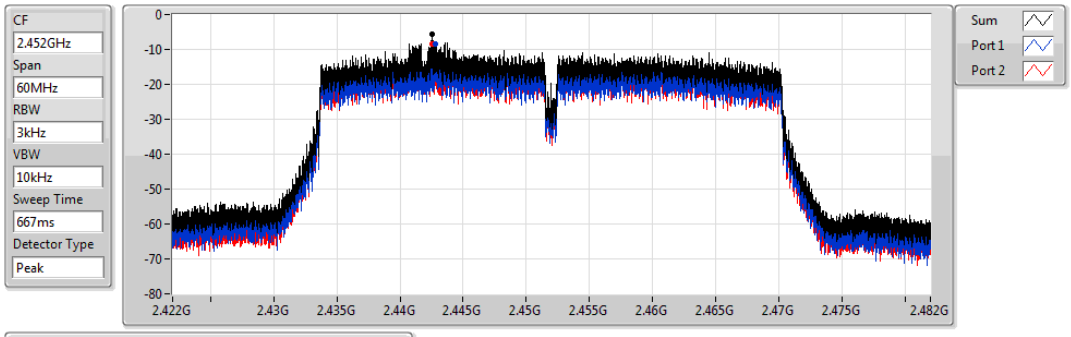
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.30	-4.30	-7.84	-6.04

VHT40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-8.47	-8.29

Summary

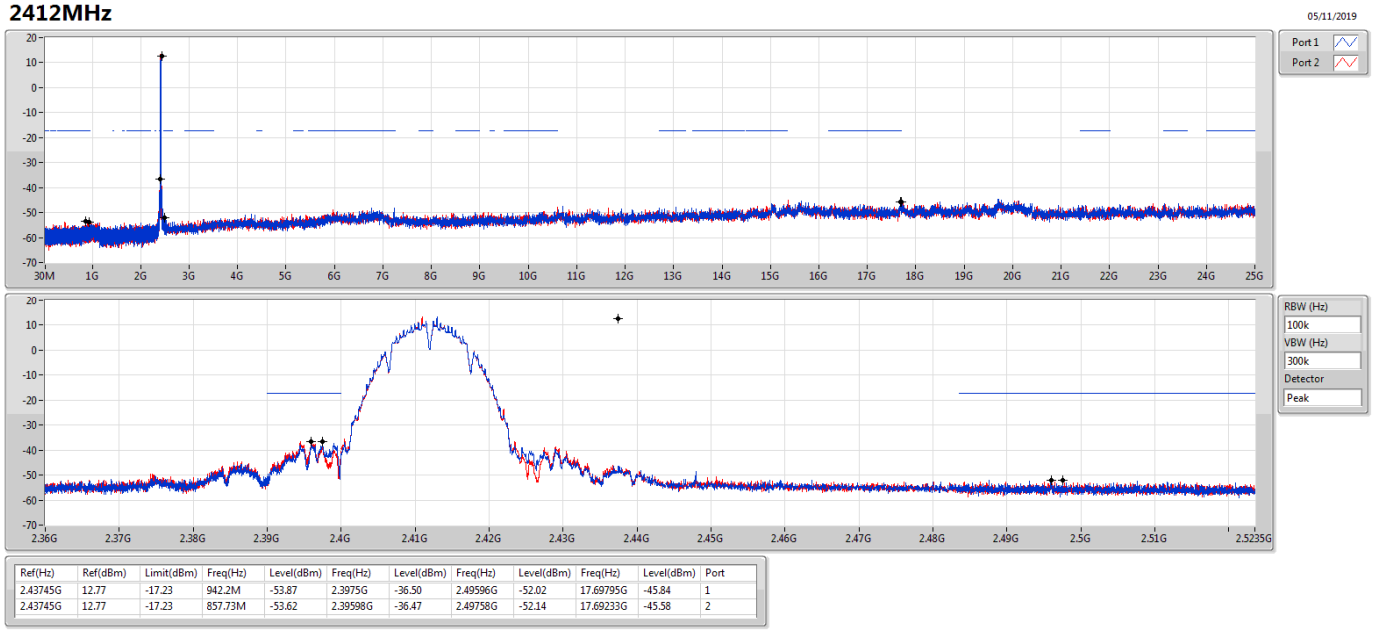
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43745G	12.77	-17.23	857.73M	-53.62	2.39598G	-36.47	2.49758G	-52.14	17.69233G	-45.58	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43194G	13.25	-16.75	811.42M	-53.67	2.39948G	-29.03	2.48416G	-39.19	24.89043G	-45.25	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.43194G	13.11	-16.89	852.2M	-53.66	2.39982G	-29.42	2.4857G	-38.25	24.87076G	-45.67	1
VHT40_Nss1,(MCS0)_2TX	Pass	2.43444G	3.46	-26.54	802.59M	-53.64	2.39948G	-34.86	2.48374G	-44.95	24.8766G	-45.49	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43745G	12.77	-17.23	942.2M	-53.87	2.3975G	-36.50	2.49596G	-52.02	17.69795G	-45.84	1
2412MHz	Pass	2.43745G	12.77	-17.23	857.73M	-53.62	2.39598G	-36.47	2.49758G	-52.14	17.69233G	-45.58	2
2437MHz	Pass	2.43745G	12.77	-17.23	2.16079G	-53.92	2.39996G	-48.04	2.48724G	-51.38	24.93538G	-45.39	1
2437MHz	Pass	2.43745G	12.77	-17.23	851.03M	-53.55	2.39948G	-48.67	2.48558G	-50.68	17.19504G	-45.62	2
2462MHz	Pass	2.43745G	12.77	-17.23	2.12118G	-54.17	2.39992G	-51.48	2.48744G	-45.47	17.69514G	-45.42	1
2462MHz	Pass	2.43745G	12.77	-17.23	1.61702G	-53.74	2.39996G	-51.05	2.48698G	-46.78	24.88481G	-45.97	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43194G	13.25	-16.75	929.09M	-53.13	2.39994G	-33.16	2.48956G	-51.81	17.68952G	-45.80	1
2412MHz	Pass	2.43194G	13.25	-16.75	626.77M	-52.80	2.39978G	-34.47	2.48496G	-51.88	15.30139G	-45.52	2
2437MHz	Pass	2.43194G	13.25	-16.75	811.42M	-53.67	2.39948G	-29.03	2.48416G	-39.19	24.89043G	-45.25	1
2437MHz	Pass	2.43194G	13.25	-16.75	888.02M	-53.42	2.39948G	-31.74	2.48358G	-38.94	24.87076G	-45.95	2
2462MHz	Pass	2.43194G	13.25	-16.75	1.87827G	-53.90	2.3925G	-52.33	2.48412G	-43.24	15.07101G	-45.93	1
2462MHz	Pass	2.43194G	13.25	-16.75	372.22M	-53.55	2.39998G	-51.75	2.48514G	-44.05	24.81176G	-45.99	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43194G	13.11	-16.89	2.09176G	-54.21	2.3999G	-35.82	2.49594G	-51.85	24.55047G	-46.06	1
2412MHz	Pass	2.43194G	13.11	-16.89	942.49M	-53.74	2.3979G	-36.16	2.48984G	-50.91	16.26788G	-46.12	2
2437MHz	Pass	2.43194G	13.11	-16.89	852.2M	-53.66	2.39982G	-29.42	2.4857G	-38.25	24.87076G	-45.67	1
2437MHz	Pass	2.43194G	13.11	-16.89	2.14914G	-53.80	2.39946G	-30.23	2.49006G	-38.63	15.03448G	-45.51	2
2462MHz	Pass	2.43194G	13.11	-16.89	2.30233G	-53.35	2.39996G	-50.15	2.48412G	-43.29	15.04853G	-45.74	1
2462MHz	Pass	2.43194G	13.11	-16.89	1.84041G	-54.37	2.39992G	-52.42	2.48418G	-44.35	15.34634G	-45.32	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43444G	3.46	-26.54	2.18575G	-53.34	2.39884G	-38.28	2.55998G	-48.95	16.3956G	-45.82	1
2422MHz	Pass	2.43444G	3.46	-26.54	2.30426G	-53.47	2.397G	-38.19	2.48698G	-50.52	24.86538G	-46.09	2
2437MHz	Pass	2.43444G	3.46	-26.54	802.59M	-53.64	2.39948G	-34.86	2.48374G	-44.95	24.8766G	-45.49	1
2437MHz	Pass	2.43444G	3.46	-26.54	2.18861G	-54.67	2.3998G	-38.70	2.4837G	-42.39	15.041G	-45.98	2
2452MHz	Pass	2.43444G	3.46	-26.54	1.98566G	-54.21	2.39988G	-48.28	2.48438G	-41.77	15.24293G	-45.36	1
2452MHz	Pass	2.43444G	3.46	-26.54	766.52M	-54.26	2.3982G	-46.99	2.48382G	-43.32	15.26536G	-46.53	2

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

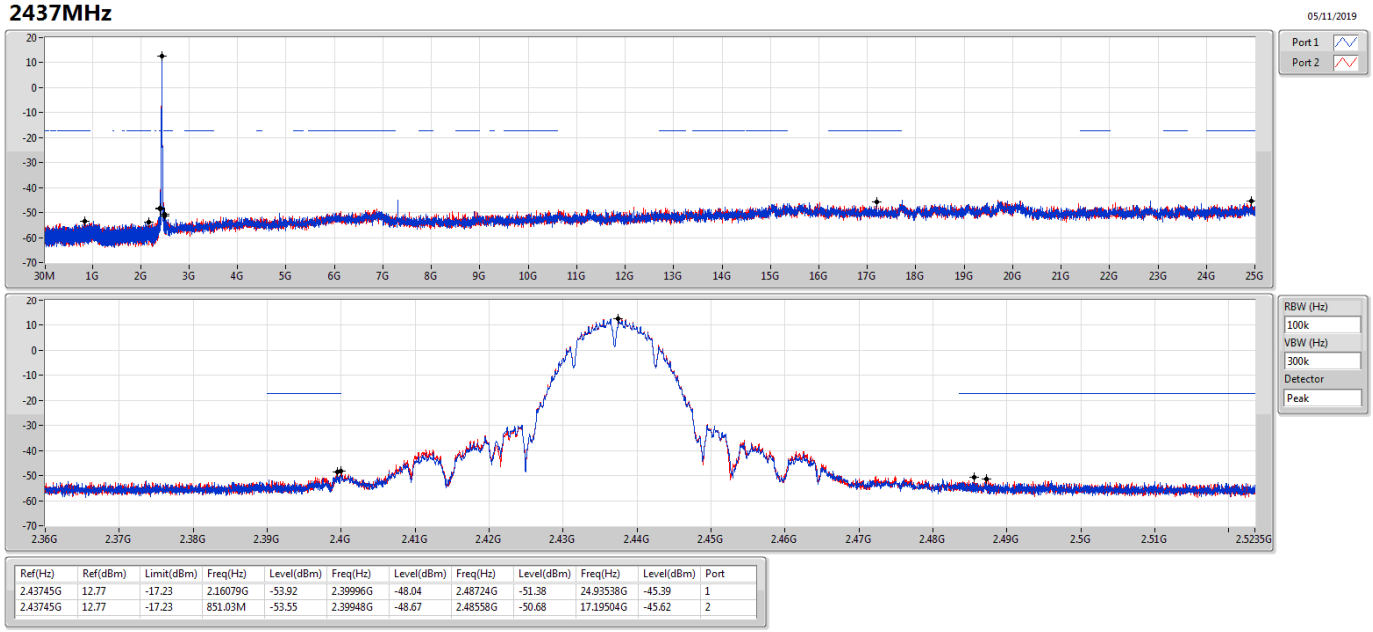
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43745G	12.77	-17.23	942.2M	-53.87	2.3975G	-36.50	2.49596G	-52.02	17.69795G	-45.84	1
2.43745G	12.77	-17.23	857.73M	-53.62	2.39598G	-36.47	2.49758G	-52.14	17.69233G	-45.58	2

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

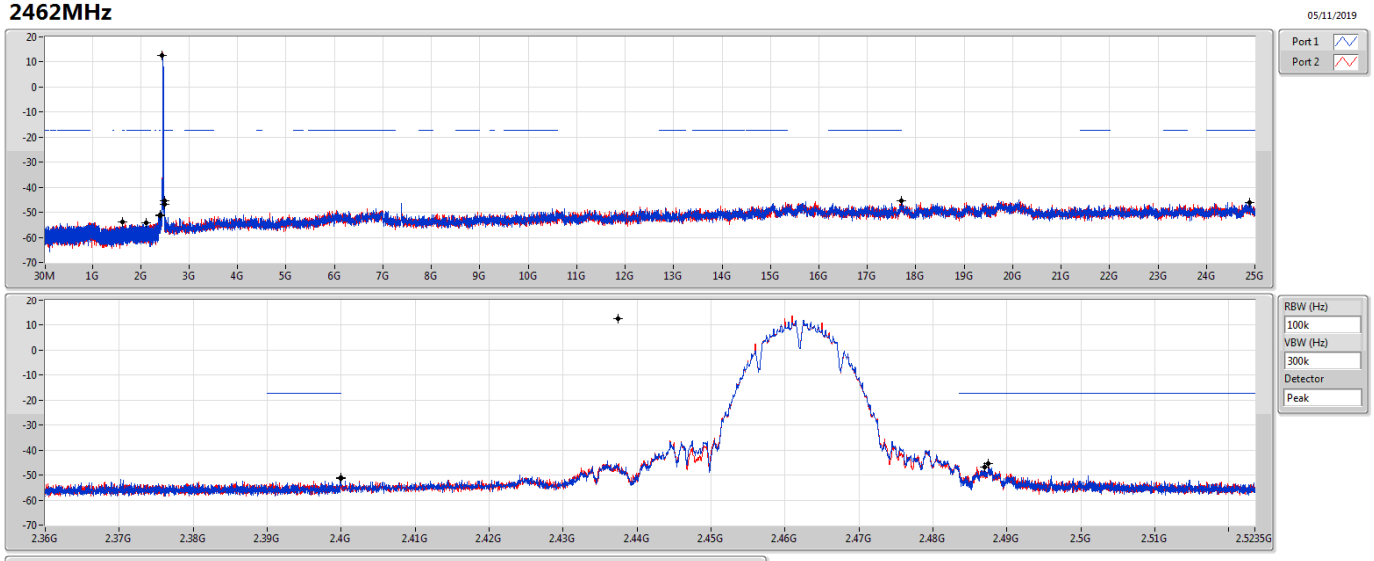
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43745G	12.77	-17.23	2.16079G	-53.92	2.39996G	-48.04	2.48724G	-51.38	24.93538G	-45.39	1
2.43745G	12.77	-17.23	851.03M	-53.55	2.39948G	-48.67	2.48558G	-50.68	17.19504G	-45.62	2

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

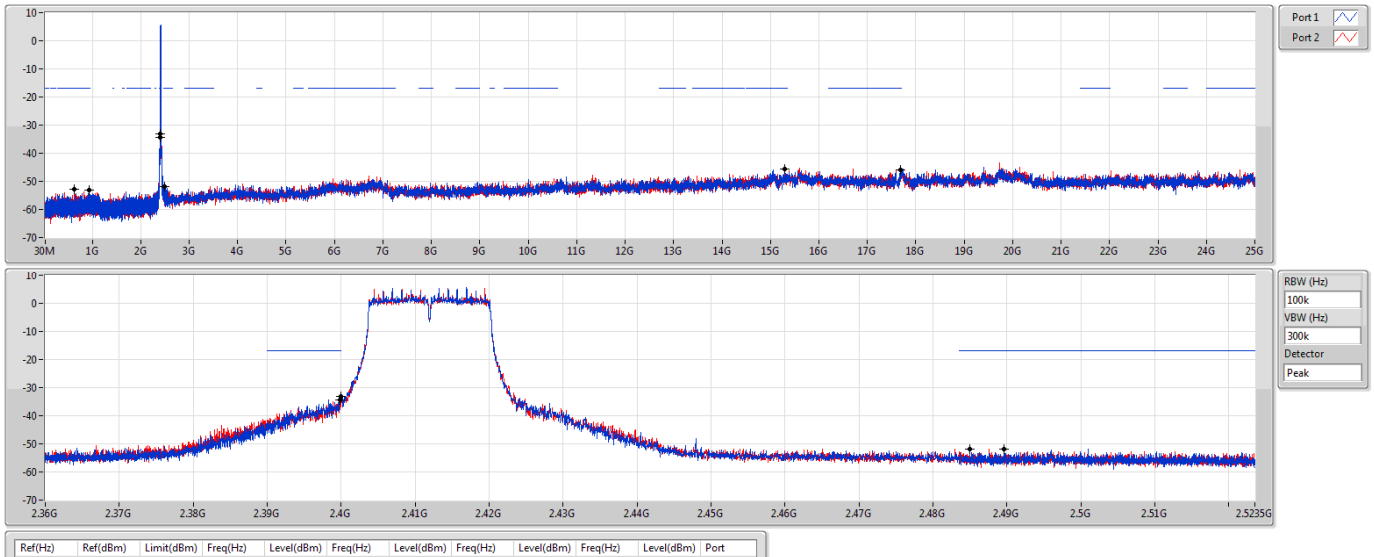
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43745G	12.77	-17.23	2.12118G	-54.17	2.39992G	-51.48	2.48744G	-45.47	17.69514G	-45.42	1
2.43745G	12.77	-17.23	1.61702G	-53.74	2.39996G	-51.05	2.48698G	-46.78	24.88481G	-45.97	2

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

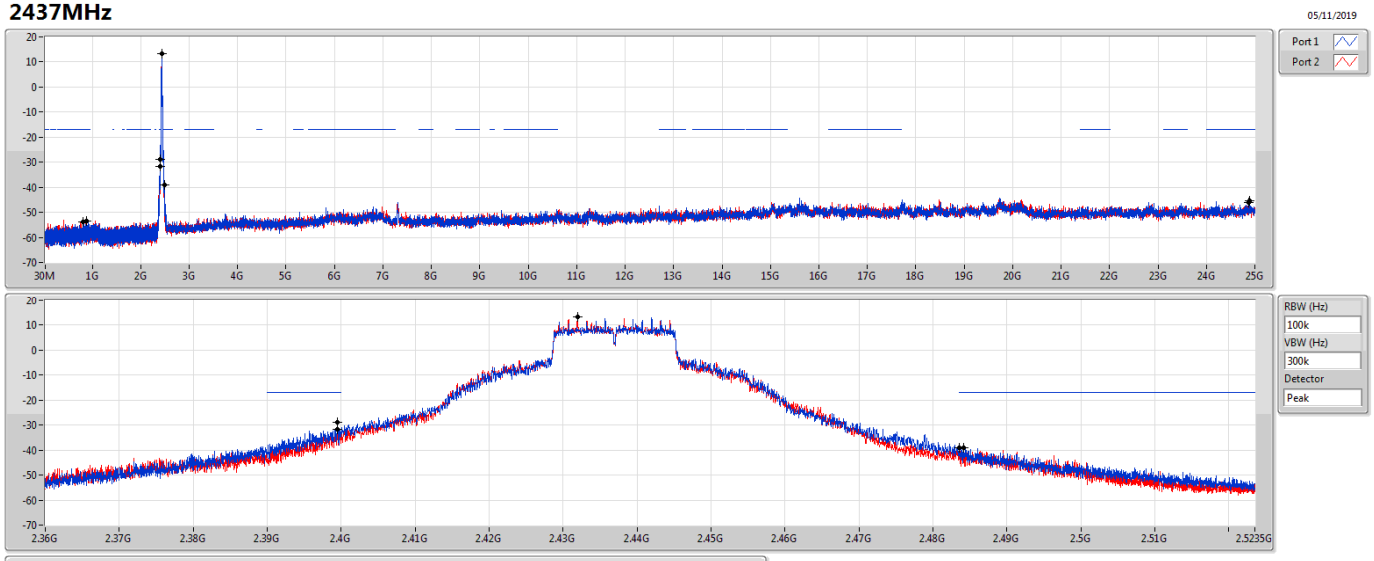
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43194G	13.25	-16.75	929.09M	-53.13	2.39994G	-33.16	2.48956G	-51.81	17.68952G	-45.80	1
2.43194G	13.25	-16.75	626.77M	-52.80	2.39978G	-34.47	2.48496G	-51.88	15.30139G	-45.52	2

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

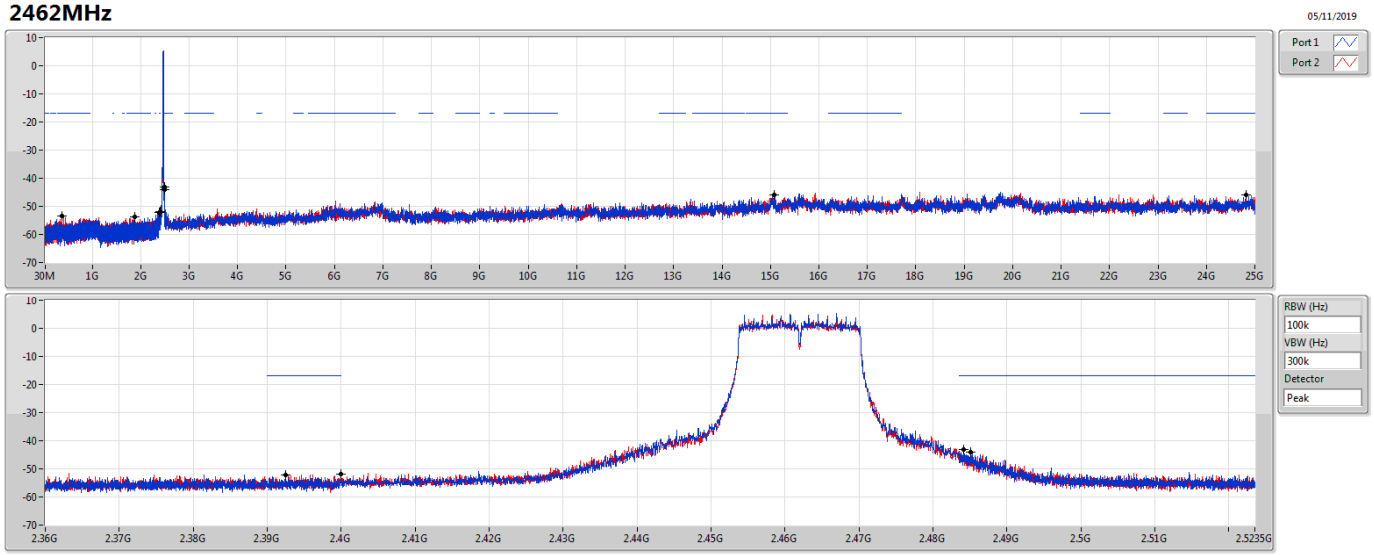
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43194G	13.25	-16.75	811.42M	-53.67	2.39948G	-29.03	2.48416G	-39.19	24.89043G	-45.25	1
2.43194G	13.25	-16.75	888.02M	-53.42	2.39948G	-31.74	2.48358G	-38.94	24.87076G	-45.95	2

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

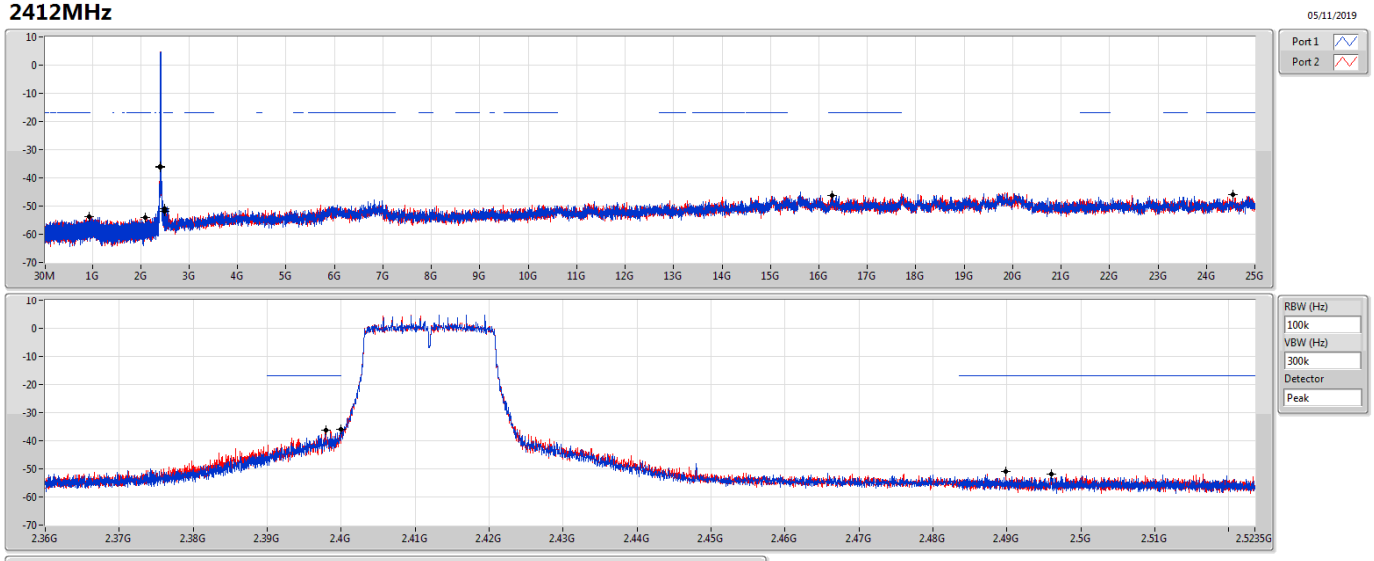
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43194G	13.25	-16.75	1.87827G	-53.90	2.3925G	-52.33	2.48412G	-43.24	15.07101G	-45.93	1
2.43194G	13.25	-16.75	372.22M	-53.55	2.39998G	-51.75	2.48514G	-44.05	24.81176G	-45.99	2

VHT20_Nss1,(MCS0)_2TX **CSE NdB**

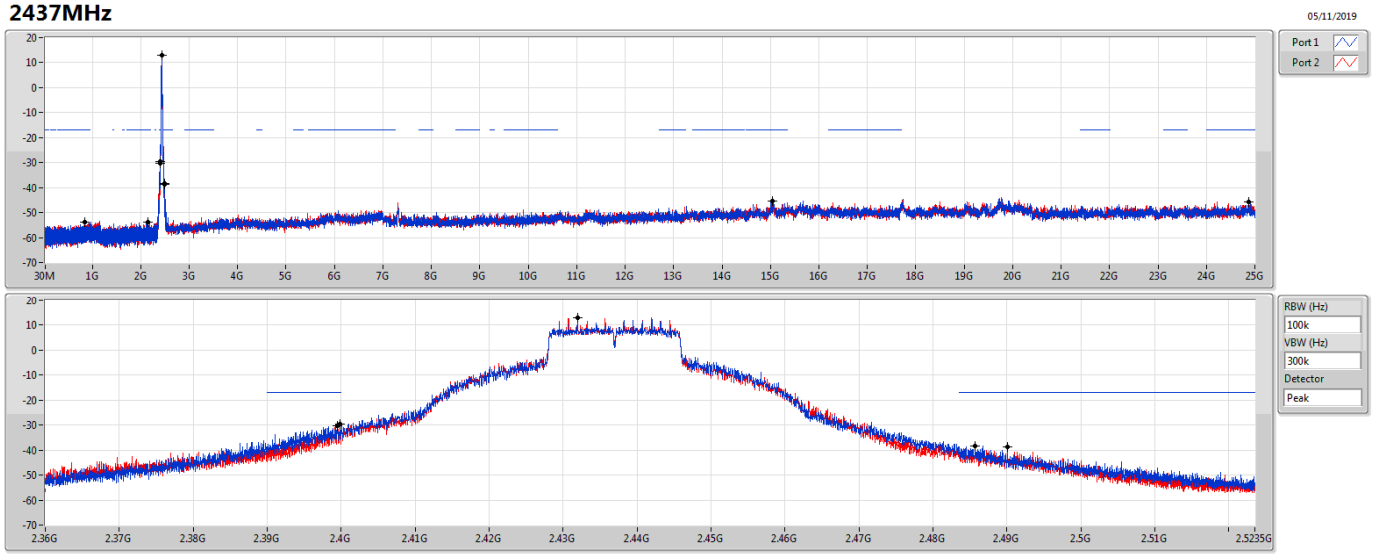
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43194G	13.11	-16.89	2.09176G	-54.21	2.3999G	-35.82	2.49594G	-51.85	24.55047G	-46.06	1
2.43194G	13.11	-16.89	942.49M	-53.74	2.3979G	-36.16	2.48984G	-50.91	16.26788G	-46.12	2

VHT20_Nss1,(MCS0)_2TX **CSE NdB**

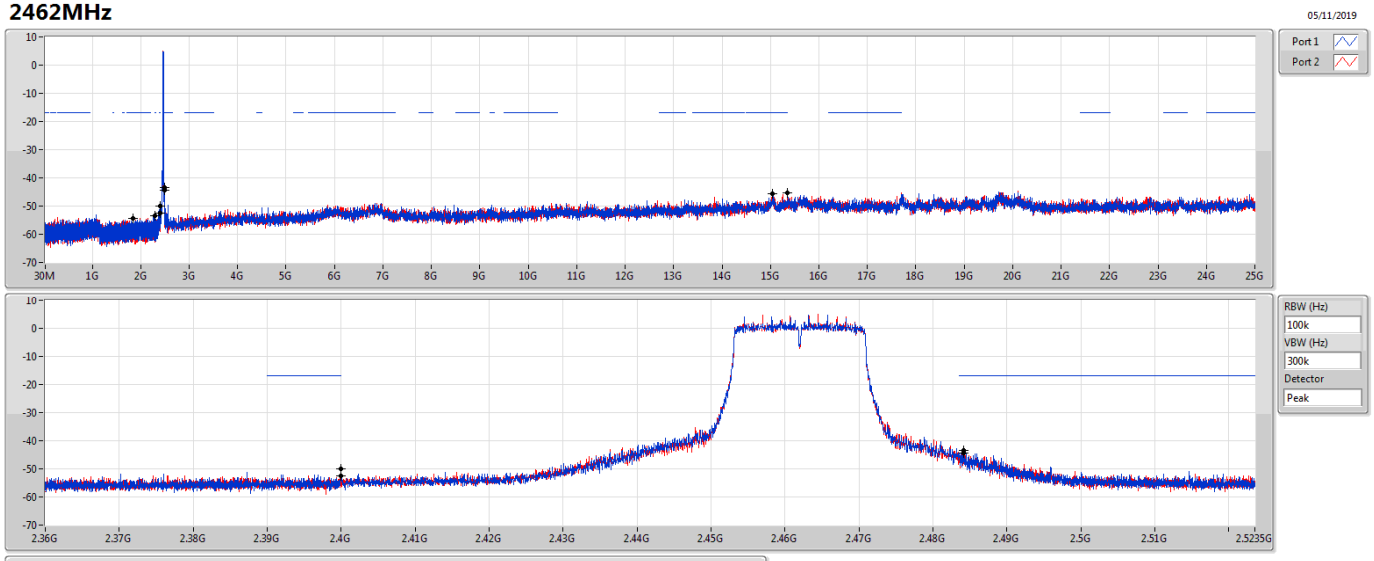
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43194G	13.11	-16.89	852.2M	-53.66	2.39982G	-29.42	2.4857G	-38.25	24.87076G	-45.67	1
2.43194G	13.11	-16.89	2.14914G	-53.80	2.39946G	-30.23	2.49006G	-38.63	15.03448G	-45.51	2

VHT20_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43194G	13.11	-16.89	2.30233G	-53.35	2.39996G	-50.15	2.48412G	-43.29	15.04853G	-45.74	1
2.43194G	13.11	-16.89	1.84041G	-54.37	2.39992G	-52.42	2.48418G	-44.35	15.34634G	-45.32	2

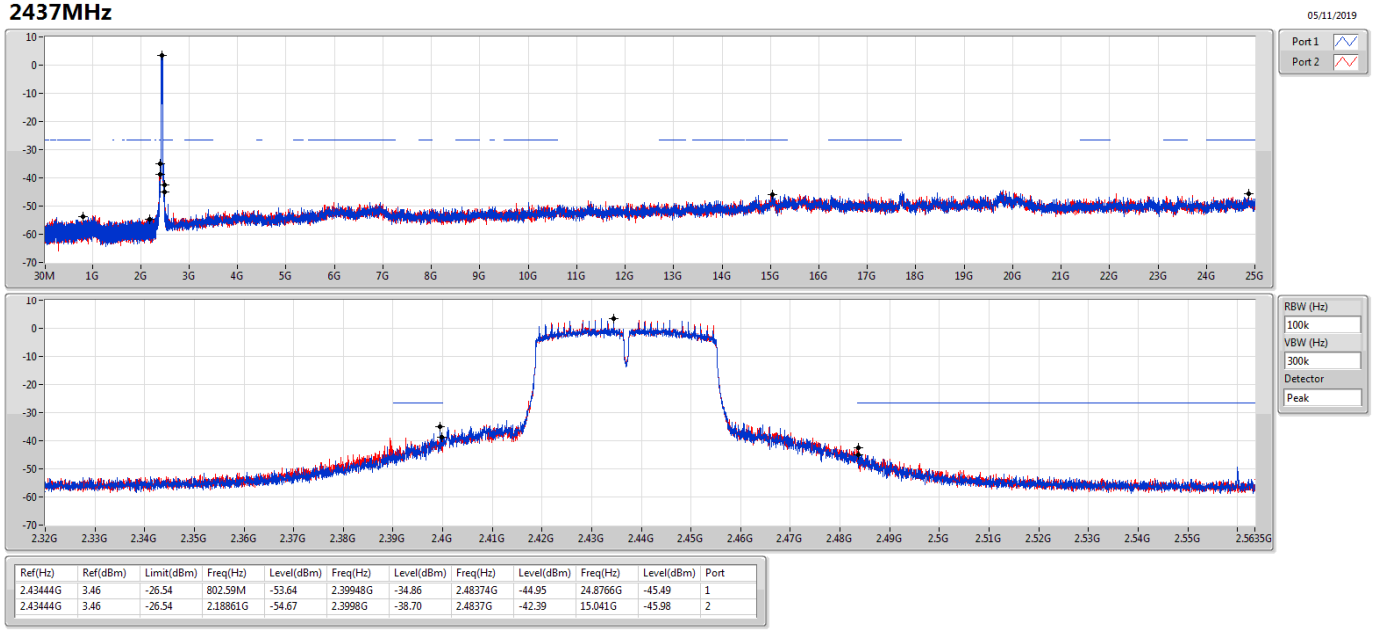
VHT40_Nss1,(MCS0)_2TX **CSE NdB**

2422MHz

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	3.46	-26.54	2.18575G	-53.34	2.39884G	-38.28	2.55998G	-48.95	16.3956G	-45.82	1
2.43444G	3.46	-26.54	2.30426G	-53.47	2.397G	-38.19	2.48698G	-50.52	24.86538G	-46.09	2

VHT40_Nss1,(MCS0)_2TX **CSE NdB**

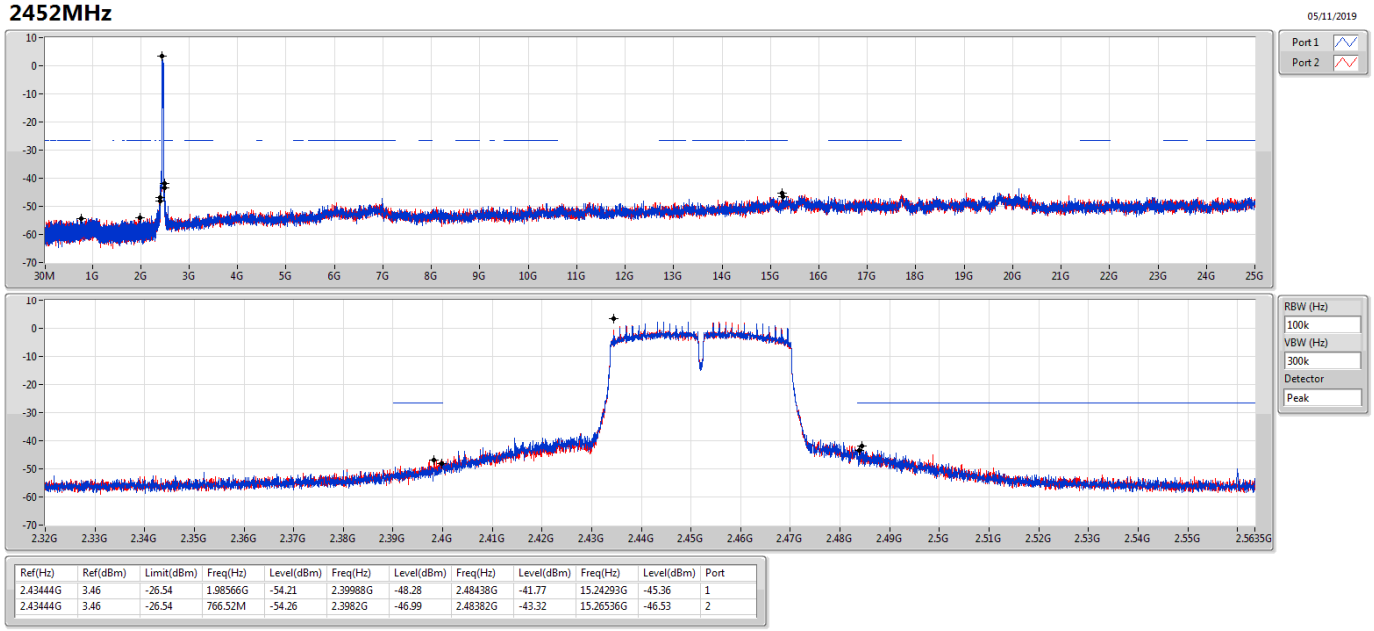
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	3.46	-26.54	802.59M	-53.64	2.39948G	-34.86	2.48374G	-44.95	24.8766G	-45.49	1
2.43444G	3.46	-26.54	2.18861G	-54.67	2.3998G	-38.70	2.4837G	-42.39	15.041G	-45.98	2

VHT40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	3.46	-26.54	1.98566G	-54.21	2.39988G	-48.28	2.48438G	-41.77	15.24293G	-45.36	1
2.43444G	3.46	-26.54	766.52M	-54.26	2.3982G	-46.99	2.48382G	-43.32	15.26536G	-46.53	2

Summary

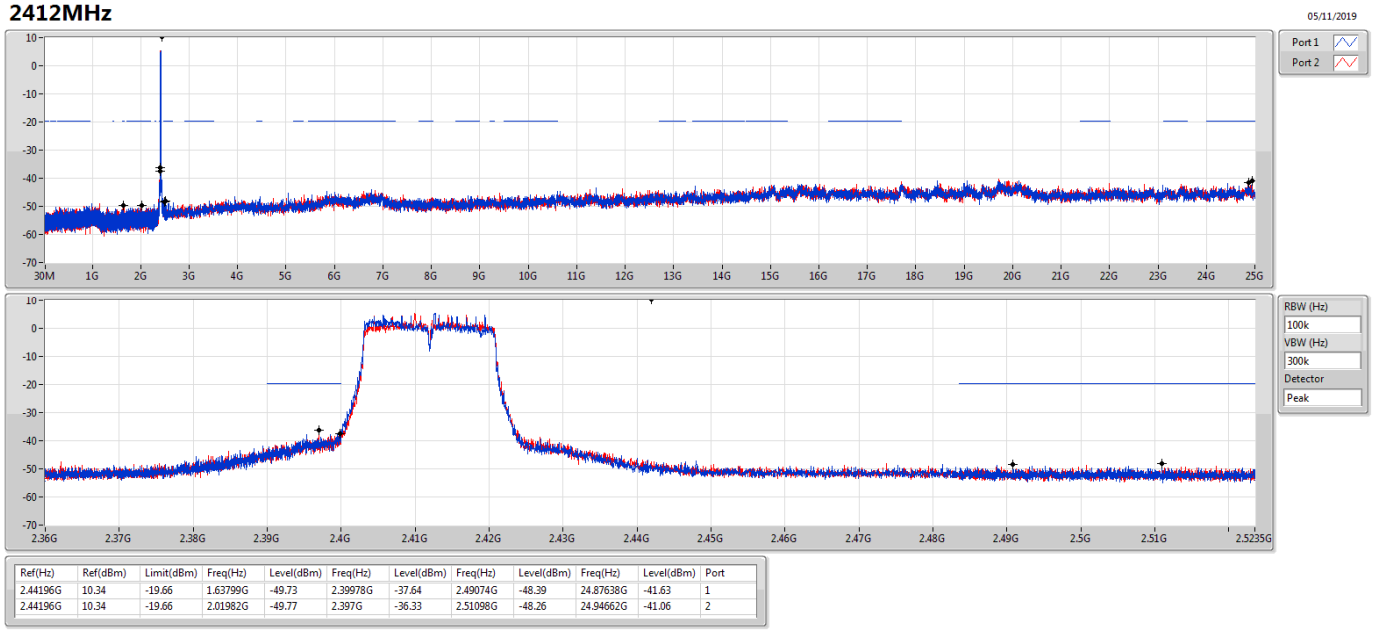
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.44196G	10.34	-19.66	2.01982G	-49.77	2.397G	-36.33	2.51098G	-48.26	24.94662G	-41.06	2
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42847G	7.21	-22.79	1.8328G	-49.71	2.39448G	-37.76	2.51758G	-48.48	24.89343G	-40.75	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
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	10.34	-19.66	1.63799G	-49.73	2.39978G	-37.64	2.49074G	-48.39	24.87638G	-41.63	1
2412MHz	Pass	2.44196G	10.34	-19.66	2.01982G	-49.77	2.397G	-36.33	2.51098G	-48.26	24.94662G	-41.06	2
2437MHz	Pass	2.44196G	10.34	-19.66	912.2M	-49.43	2.39826G	-41.68	2.48726G	-46.85	15.09348G	-42.04	1
2437MHz	Pass	2.44196G	10.34	-19.66	285.72M	-50.05	2.39932G	-40.15	2.48472G	-46.08	17.68952G	-41.75	2
2462MHz	Pass	2.44196G	10.34	-19.66	920.35M	-50.09	2.39996G	-48.37	2.48392G	-42.99	17.69233G	-41.61	1
2462MHz	Pass	2.44196G	10.34	-19.66	355.33M	-49.75	2.3984G	-48.88	2.48498G	-44.17	17.69233G	-41.10	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42847G	7.21	-22.79	698.68M	-49.97	2.3982G	-39.39	2.55998G	-46.59	24.90745G	-41.79	1
2422MHz	Pass	2.42847G	7.21	-22.79	1.8328G	-49.71	2.39448G	-37.76	2.51758G	-48.48	24.89343G	-40.75	2
2437MHz	Pass	2.42847G	7.21	-22.79	1.9745G	-49.65	2.39884G	-39.51	2.48818G	-43.76	17.69692G	-41.90	1
2437MHz	Pass	2.42847G	7.21	-22.79	1.97478G	-50.04	2.39824G	-40.40	2.48982G	-42.72	16.9453G	-40.79	2
2452MHz	Pass	2.42847G	7.21	-22.79	561.85M	-50.03	2.39572G	-44.31	2.48502G	-43.08	16.95932G	-41.48	1
2452MHz	Pass	2.42847G	7.21	-22.79	921.96M	-49.30	2.39968G	-45.41	2.48502G	-43.60	15.04661G	-41.39	2

VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

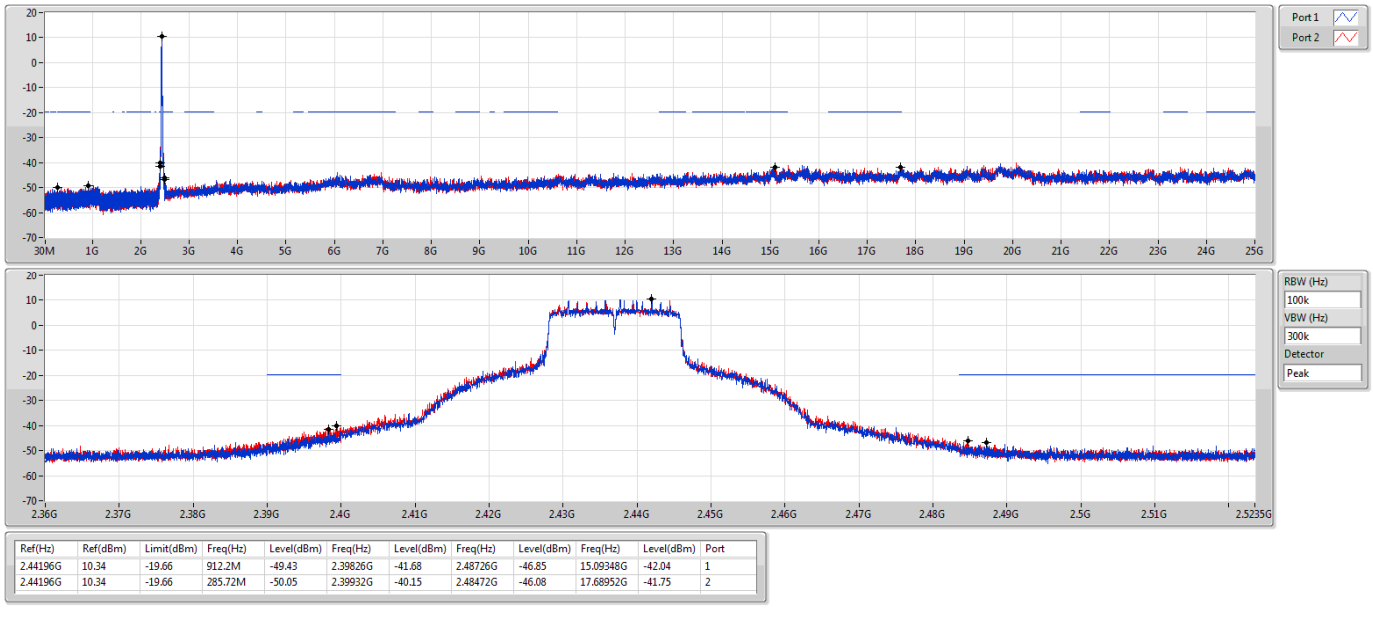
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	10.34	-19.66	1.63799G	-49.73	2.39978G	-37.64	2.49074G	-48.39	24.87638G	-41.63	1
2.44196G	10.34	-19.66	2.01982G	-49.77	2.397G	-36.33	2.51098G	-48.26	24.94662G	-41.06	2

VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

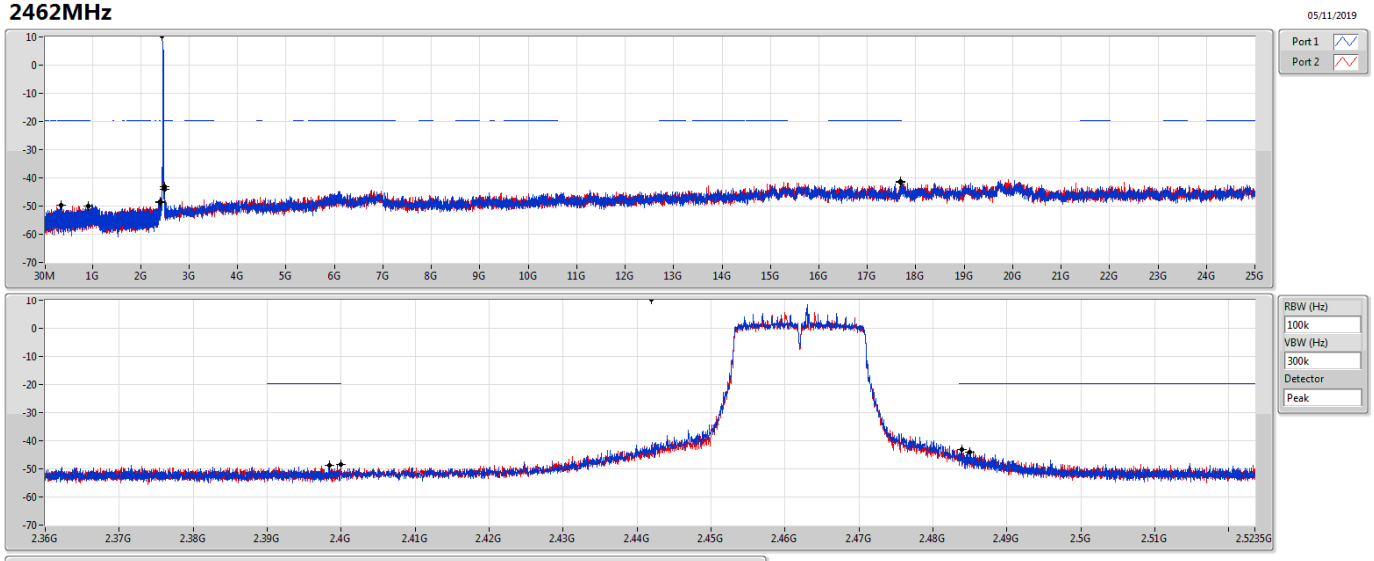
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	10.34	-19.66	912.2M	-49.43	2.39826G	-41.68	2.48726G	-46.85	15.09348G	-42.04	1
2.44196G	10.34	-19.66	285.72M	-50.05	2.39932G	-40.15	2.48472G	-46.08	17.68952G	-41.75	2

VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

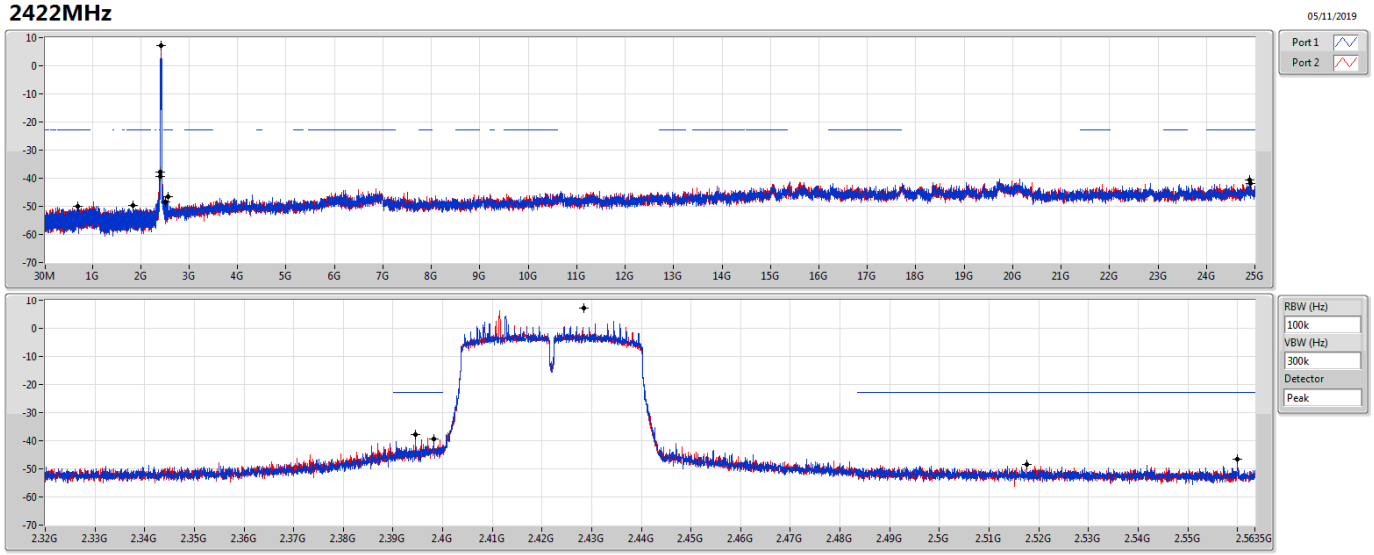
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	10.34	-19.66	920.35M	-50.09	2.39996G	-48.37	2.48392G	-42.99	17.69233G	-41.61	1
2.44196G	10.34	-19.66	355.33M	-49.75	2.3984G	-48.88	2.48498G	-44.17	17.69233G	-41.10	2

VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

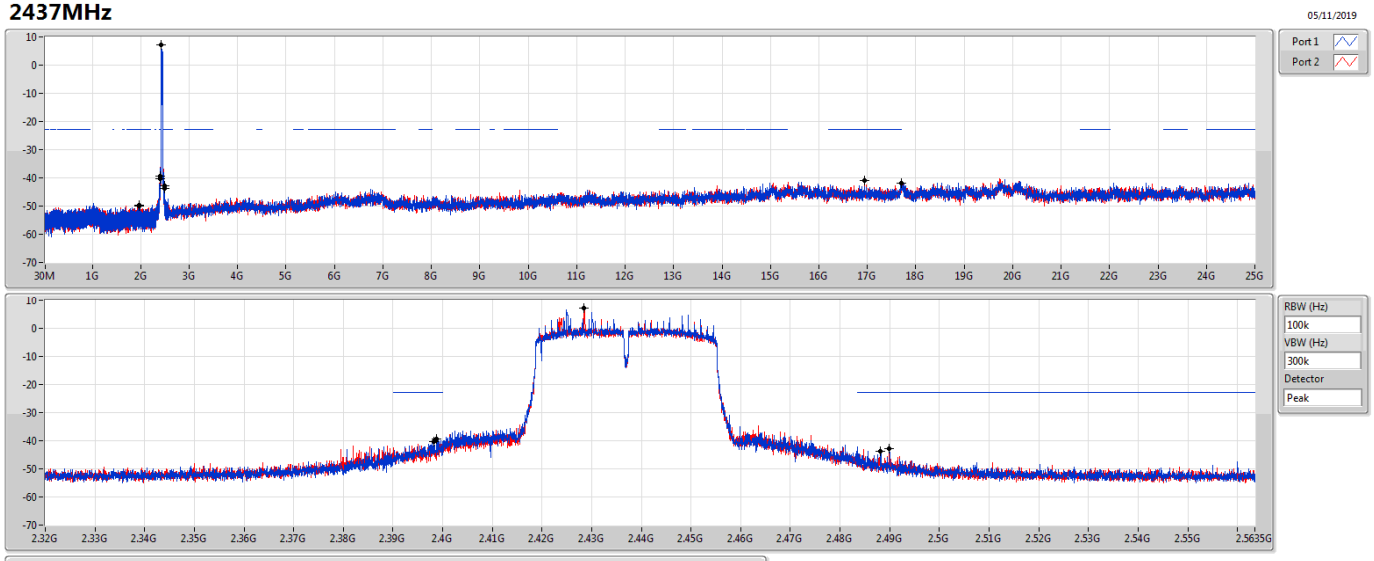
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42847G	7.21	-22.79	698.68M	-49.97	2.3982G	-39.39	2.55998G	-46.59	24.90745G	-41.79	1
2.42847G	7.21	-22.79	1.8328G	-49.71	2.39448G	-37.76	2.51758G	-48.48	24.89343G	-40.75	2

VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

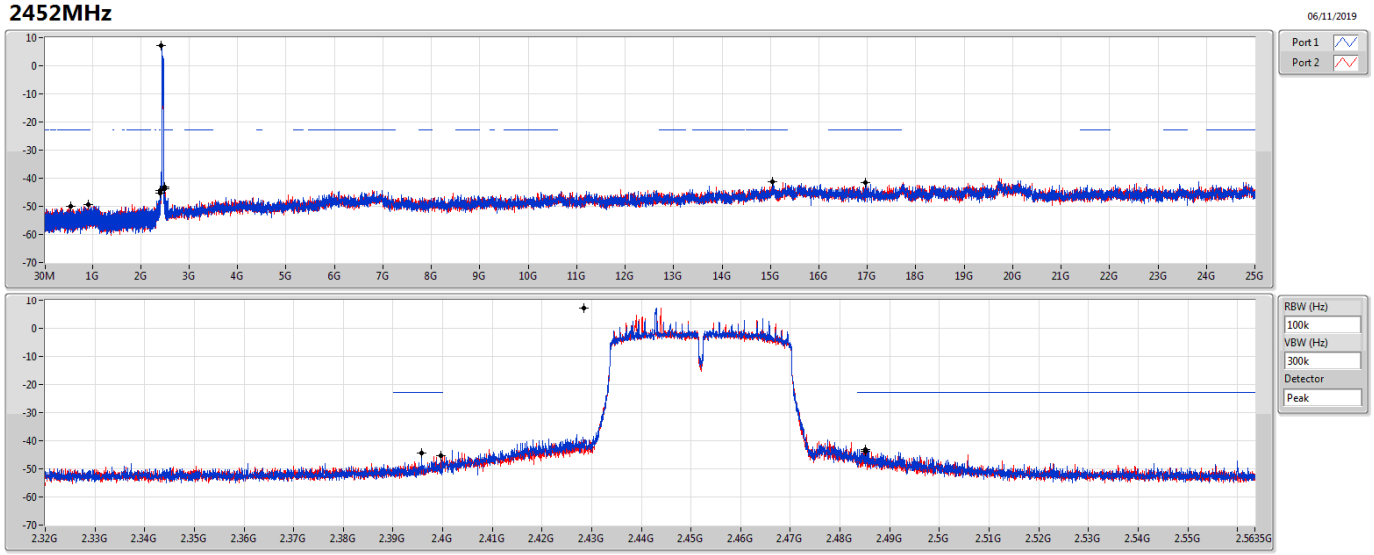
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42847G	7.21	-22.79	1.9745G	-49.65	2.39884G	-39.51	2.48818G	-43.76	17.69692G	-41.90	1
2.42847G	7.21	-22.79	1.97478G	-50.04	2.39824G	-40.40	2.48982G	-42.72	16.9453G	-40.79	2

VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

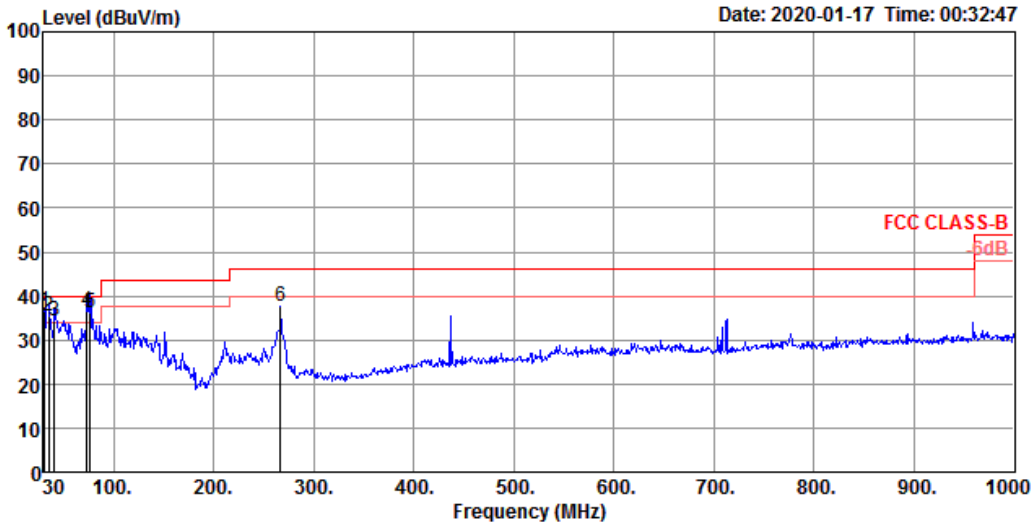
2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42847G	7.21	-22.79	561.85M	-50.03	2.39572G	-44.31	2.48502G	-43.08	16.95932G	-41.48	1
2.42847G	7.21	-22.79	921.96M	-49.30	2.39968G	-45.41	2.48502G	-43.60	15.04661G	-41.39	2

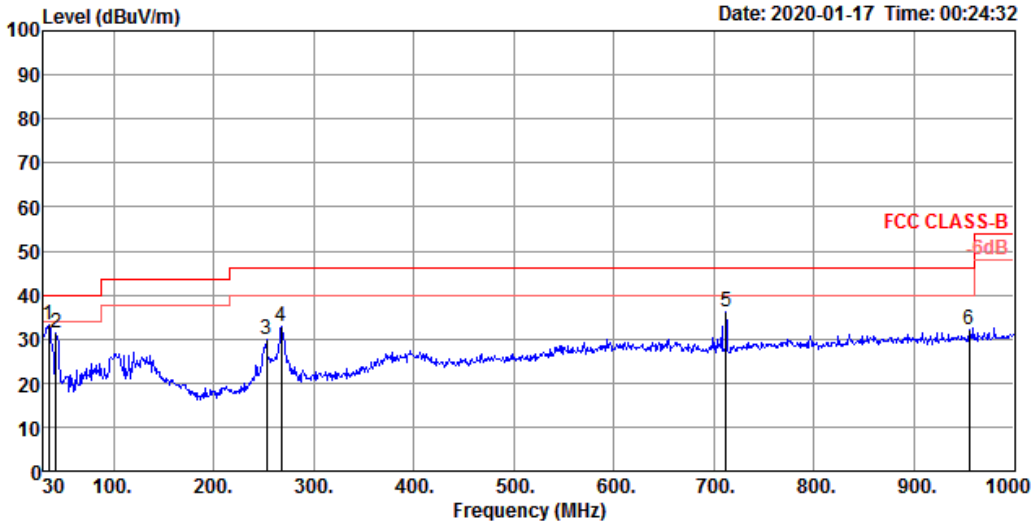
Test Mode	Mode 1	Frequency Range	30 MHz to 1,000 MHz

Vertical 30 MHz to 1,000 MHz



	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	36.39	40.00	-3.61	40.50	0.60	23.86	28.57	300	356	Peak	VERTICAL
2	34.85	35.49	40.00	-4.51	41.58	0.60	21.88	28.57	200	67	QP	VERTICAL
3	40.67	34.44	40.00	-5.56	43.68	0.60	18.72	28.56	200	360	QP	VERTICAL
4	73.65	36.56	40.00	-3.44	52.22	0.67	12.18	28.51	100	127	QP	VERTICAL
5	76.56	36.12	40.00	-3.88	51.28	0.70	12.64	28.50	100	209	QP	VERTICAL
6	266.68	37.59	46.00	-8.41	45.03	1.57	18.96	27.97	200	182	Peak	VERTICAL

Horizontal 30 MHz to 1,000 MHz



	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	34.85	33.16	40.00	-6.84	39.25	0.60	21.88	28.57	300	35	Peak	HORIZONTAL
2	42.61	31.46	40.00	-8.54	41.77	0.60	17.65	28.56	200	206	Peak	HORIZONTAL
3	253.10	29.74	46.00	-16.26	37.46	1.51	18.76	27.99	200	302	Peak	HORIZONTAL
4	267.65	32.70	46.00	-13.30	40.21	1.57	18.89	27.97	150	248	Peak	HORIZONTAL
5	711.91	36.08	46.00	-9.92	37.40	2.93	25.20	29.45	100	129	Peak	HORIZONTAL
6	955.38	32.06	46.00	-13.94	30.39	3.59	26.99	28.91	100	318	Peak	HORIZONTAL

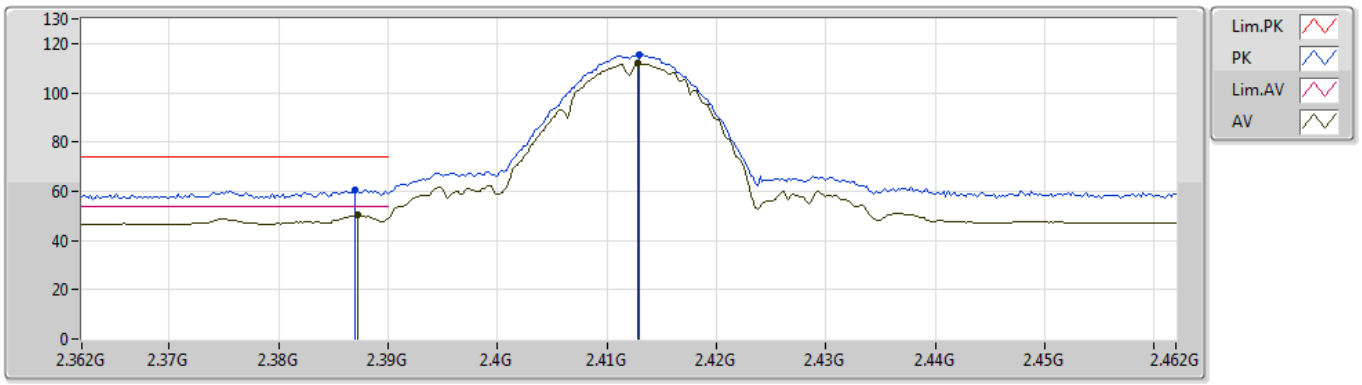
Summary

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)_2TX	Pass	AV	2.4835G	53.98	54.00	-0.02	31.39	3	Vertical	152	2.99	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

01/11/2019



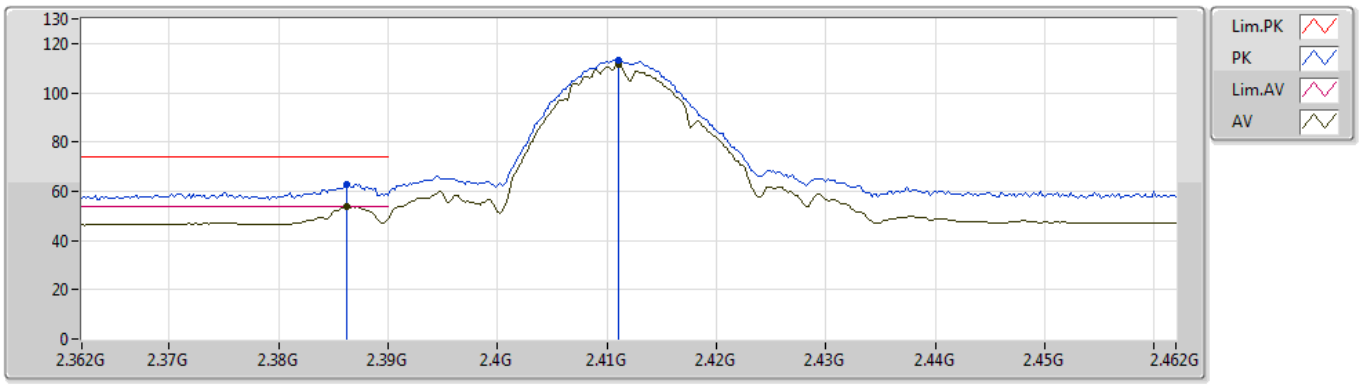
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.387G	60.59	74.00	-13.41	31.20	3	Vertical	102	2.07	-	29.39
AV	2.3872G	50.21	54.00	-3.79	31.20	3	Vertical	102	2.07	-	19.01
PK	2.413G	115.71	Inf	-Inf	31.26	3	Vertical	102	2.07	-	84.45
AV	2.4128G	111.90	Inf	-Inf	31.26	3	Vertical	102	2.07	-	80.64

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

01/11/2019



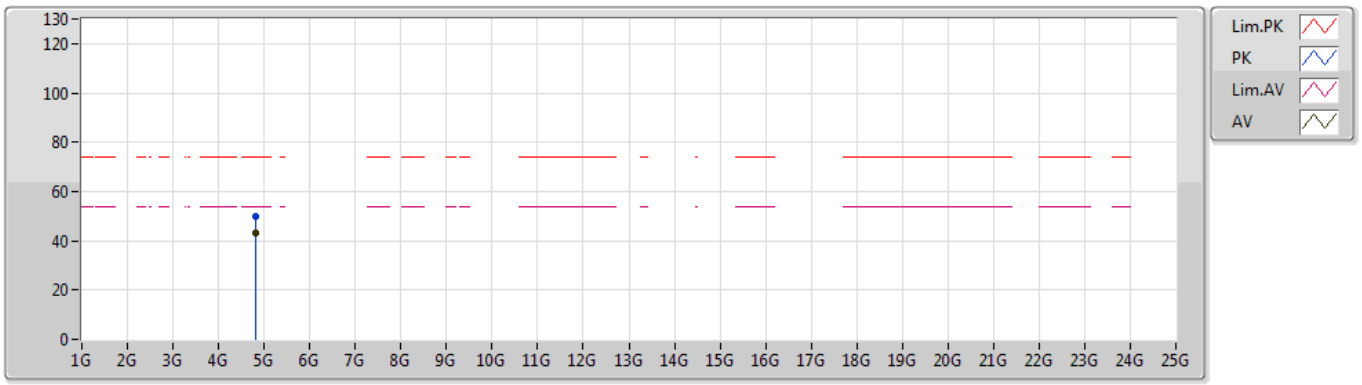
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3862G	62.94	74.00	-11.06	31.20	3	Horizontal	199	1.34	-	31.74
AV	2.3862G	53.73	54.00	-0.27	31.20	3	Horizontal	199	1.34	-	22.53
PK	2.411G	113.42	Inf	-Inf	31.25	3	Horizontal	199	1.34	-	82.17
AV	2.411G	111.39	Inf	-Inf	31.25	3	Horizontal	199	1.34	-	80.14

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

01/11/2019



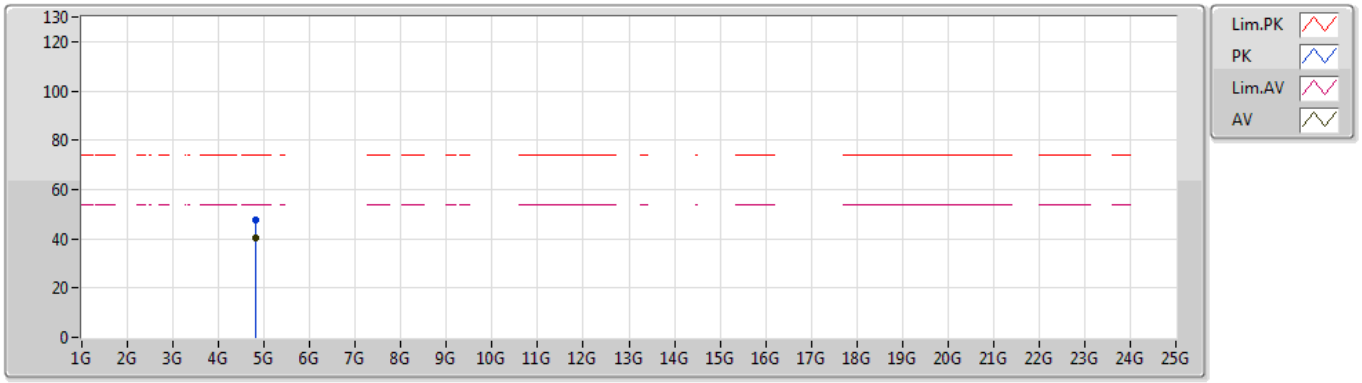
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82394G	49.80	74.00	-24.20	7.17	3	Vertical	41	2.72	-	42.63
AV	4.82399G	43.08	54.00	-10.92	7.17	3	Vertical	41	2.72	-	35.91

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

01/11/2019



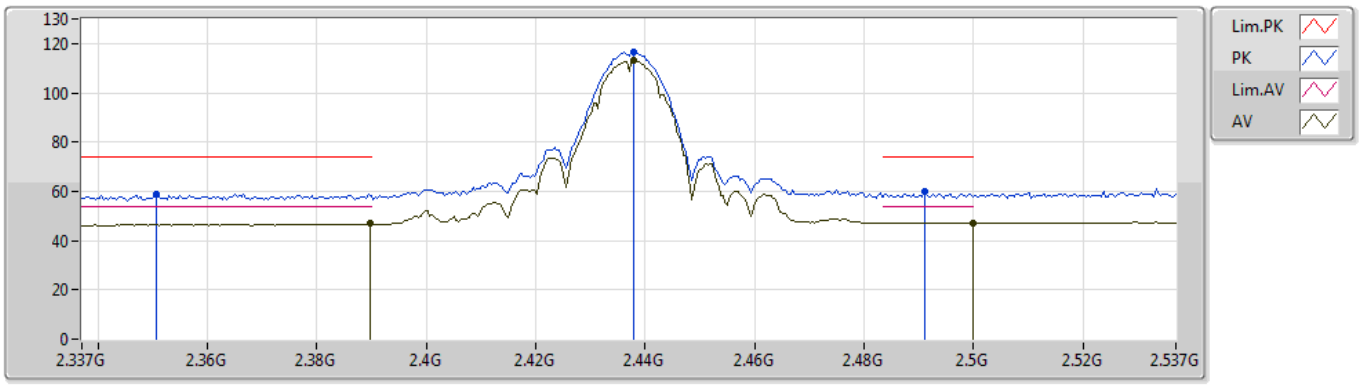
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82389G	47.88	74.00	-26.12	7.17	3	Horizontal	5	1.21	-	40.71
AV	4.82404G	40.22	54.00	-13.78	7.17	3	Horizontal	5	1.21	-	33.05

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

01/11/2019



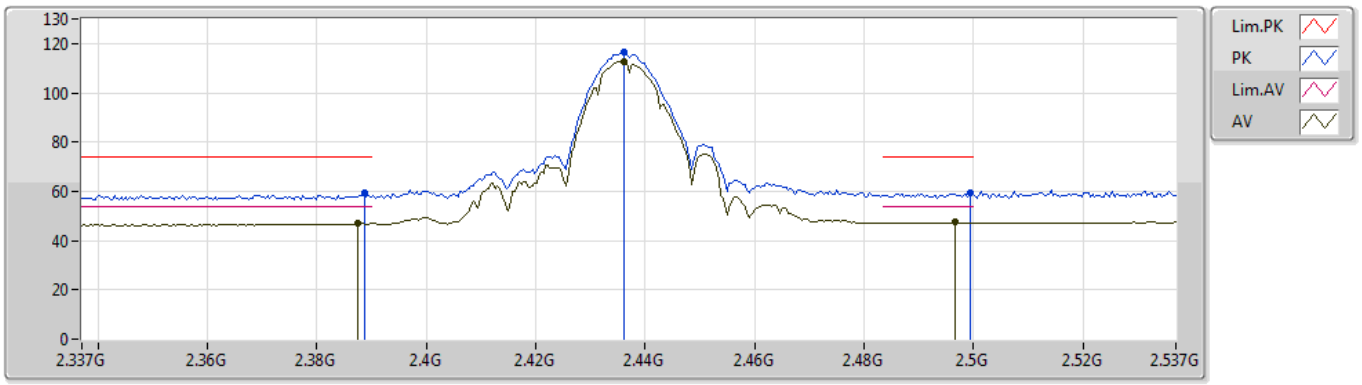
EUT Z_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3506G	58.86	74.00	-15.14	31.11	3	Vertical	146	2.15	-	27.75
AV	2.3898G	46.82	54.00	-7.18	31.20	3	Vertical	146	2.15	-	15.62
PK	2.4378G	116.74	Inf	-Inf	31.31	3	Vertical	146	2.15	-	85.43
AV	2.4378G	112.95	Inf	-Inf	31.31	3	Vertical	146	2.15	-	81.64
PK	2.491G	59.74	74.00	-14.26	31.42	3	Vertical	146	2.15	-	28.32
AV	2.4998G	47.28	54.00	-6.72	31.43	3	Vertical	146	2.15	-	15.85

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

01/11/2019



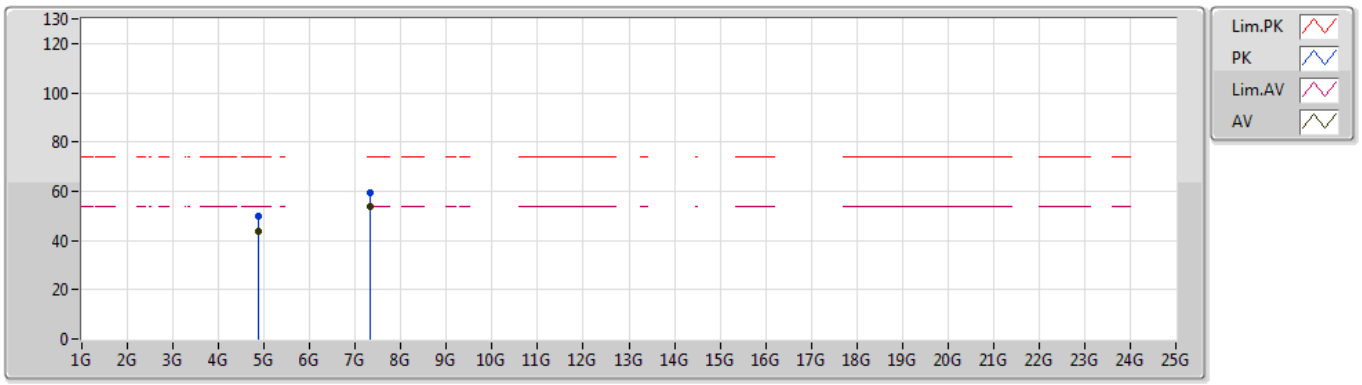
EUT Z_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3886G	59.19	74.00	-14.81	31.20	3	Horizontal	256	1.01	-	27.99
AV	2.3874G	46.87	54.00	-7.13	31.20	3	Horizontal	256	1.01	-	15.67
PK	2.4362G	116.35	Inf	-Inf	31.30	3	Horizontal	256	1.01	-	85.05
AV	2.4362G	112.70	Inf	-Inf	31.30	3	Horizontal	256	1.01	-	81.40
PK	2.4994G	59.61	74.00	-14.39	31.43	3	Horizontal	256	1.01	-	28.18
AV	2.4966G	47.38	54.00	-6.62	31.42	3	Horizontal	256	1.01	-	15.96

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

01/11/2019



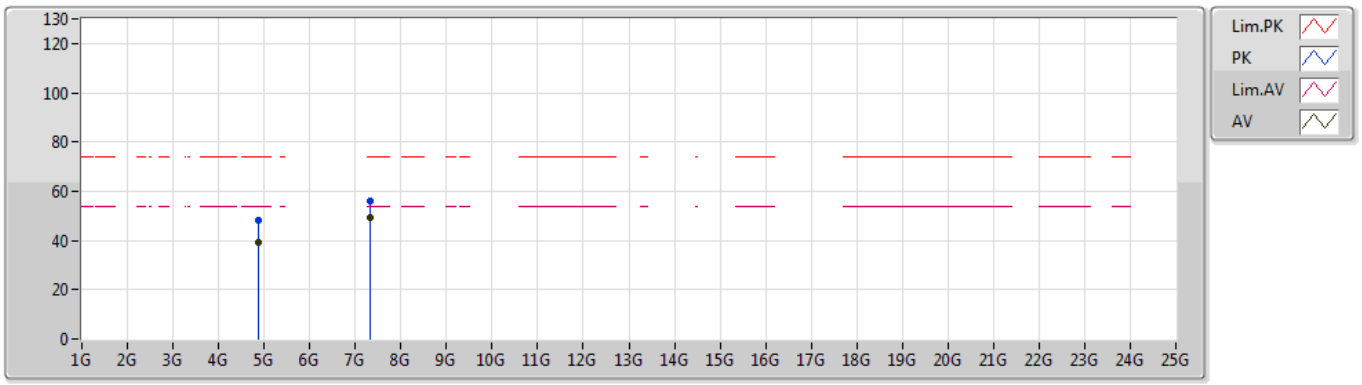
EUT Z_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87386G	49.84	74.00	-24.16	7.28	3	Vertical	320	2.97	-	42.56
AV	4.874G	43.89	54.00	-10.11	7.28	3	Vertical	320	2.97	-	36.61
PK	7.3119G	59.31	74.00	-14.69	10.55	3	Vertical	50	2.94	-	48.76
AV	7.31178G	53.84	54.00	-0.16	10.55	3	Vertical	50	2.94	-	43.29

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

01/11/2019



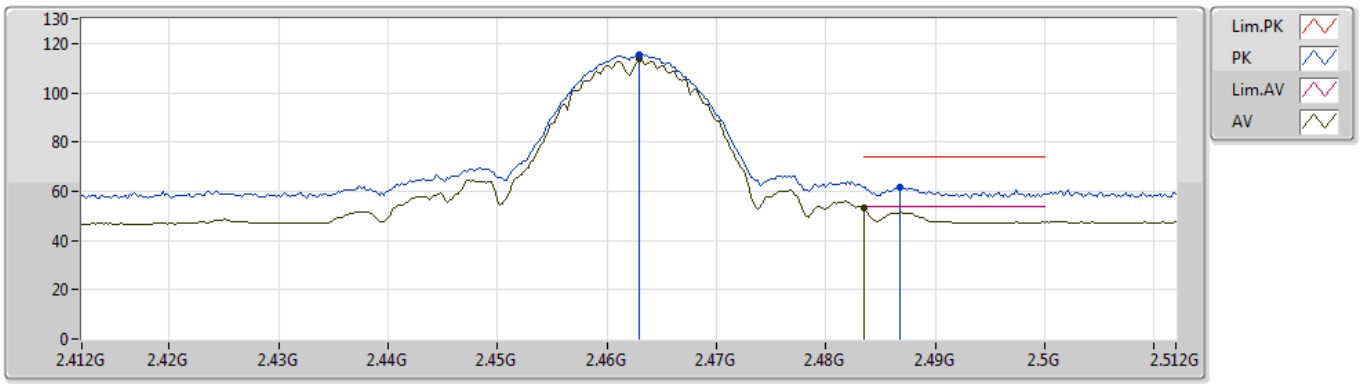
EUT Z_2TX
Setting 23
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87412G	48.13	74.00	-25.87	7.28	3	Horizontal	338	1.03	-	40.85
AV	4.87402G	39.07	54.00	-14.93	7.28	3	Horizontal	338	1.03	-	31.79
PK	7.31184G	56.04	74.00	-17.96	10.55	3	Horizontal	181	1.09	-	45.49
AV	7.31214G	49.40	54.00	-4.60	10.55	3	Horizontal	181	1.09	-	38.85

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

01/11/2019



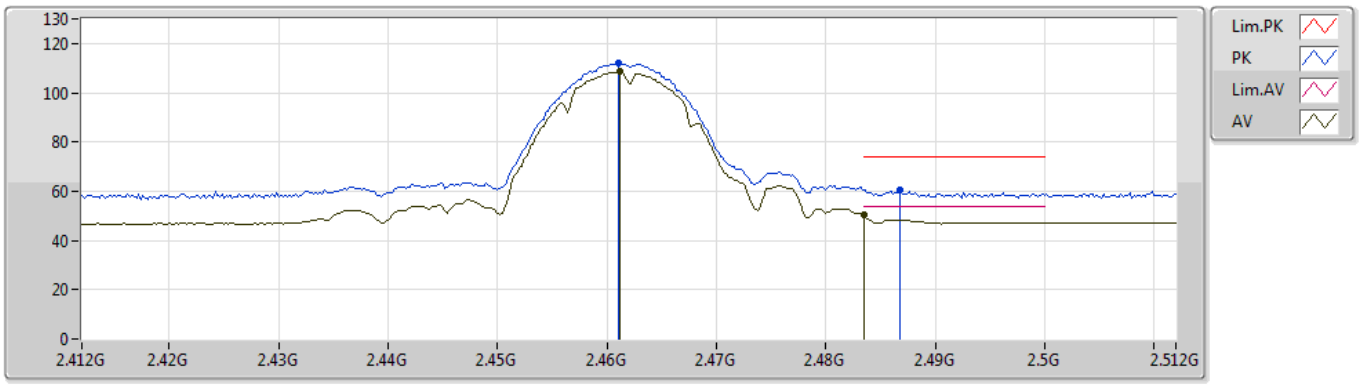
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.463G	115.66	Inf	-Inf	31.36	3	Vertical	79	1.81	-	84.30
AV	2.463G	113.53	Inf	-Inf	31.36	3	Vertical	79	1.81	-	82.17
PK	2.4868G	61.75	74.00	-12.25	31.40	3	Vertical	79	1.81	-	30.35
AV	2.4835G	53.47	54.00	-0.53	31.39	3	Vertical	79	1.81	-	22.08

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

01/11/2019



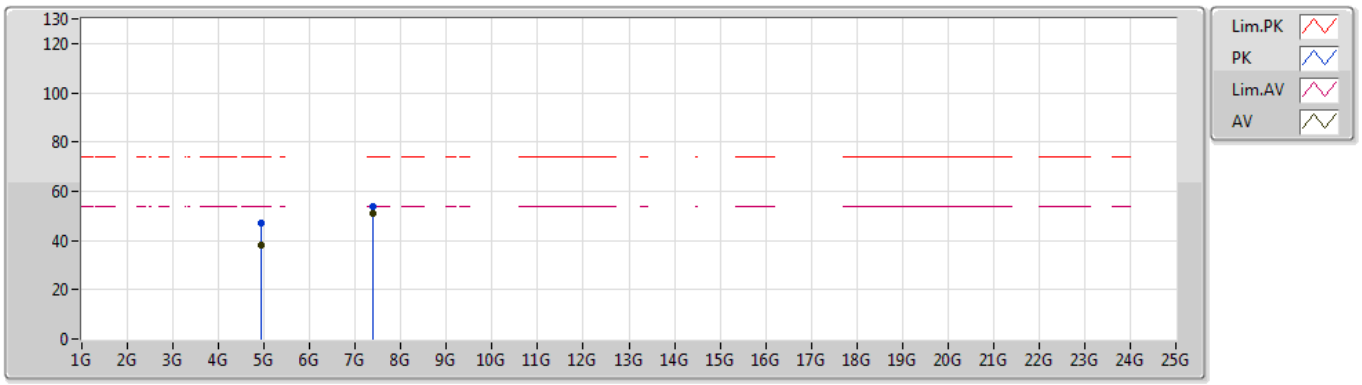
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.461G	112.22	Inf	-Inf	31.35	3	Horizontal	199	2.77	-	80.87
AV	2.4612G	108.65	Inf	-Inf	31.35	3	Horizontal	199	2.77	-	77.30
PK	2.4868G	60.30	74.00	-13.70	31.40	3	Horizontal	199	2.77	-	28.90
AV	2.4835G	50.48	54.00	-3.52	31.39	3	Horizontal	199	2.77	-	19.09

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

01/11/2019



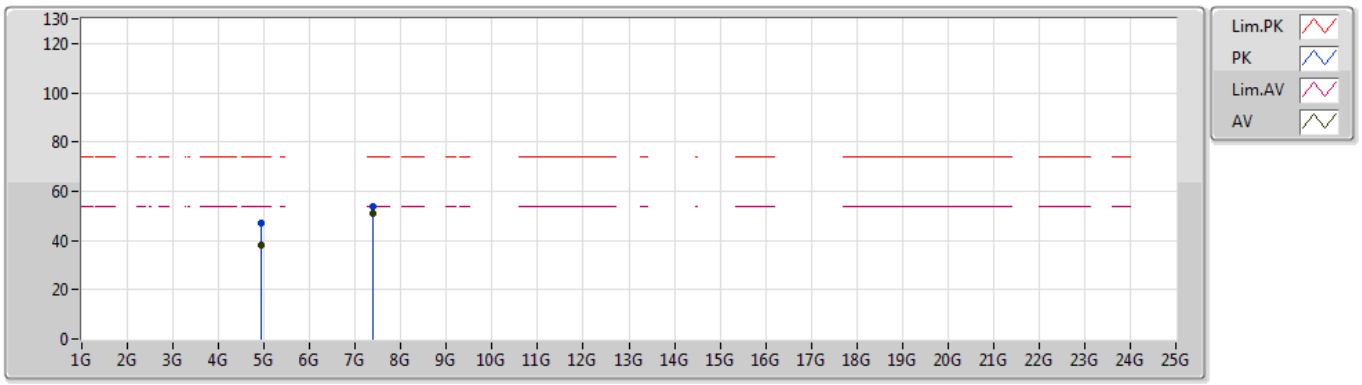
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92417G	46.99	74.00	-27.01	7.40	3	Vertical	23	1.10	-	39.59
AV	4.92405G	38.16	54.00	-15.84	7.40	3	Vertical	23	1.10	-	30.76
PK	7.38504G	54.04	74.00	-19.96	10.76	3	Vertical	166	1.01	-	43.28
AV	7.3851G	50.73	54.00	-3.27	10.76	3	Vertical	166	1.01	-	39.97

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

01/11/2019



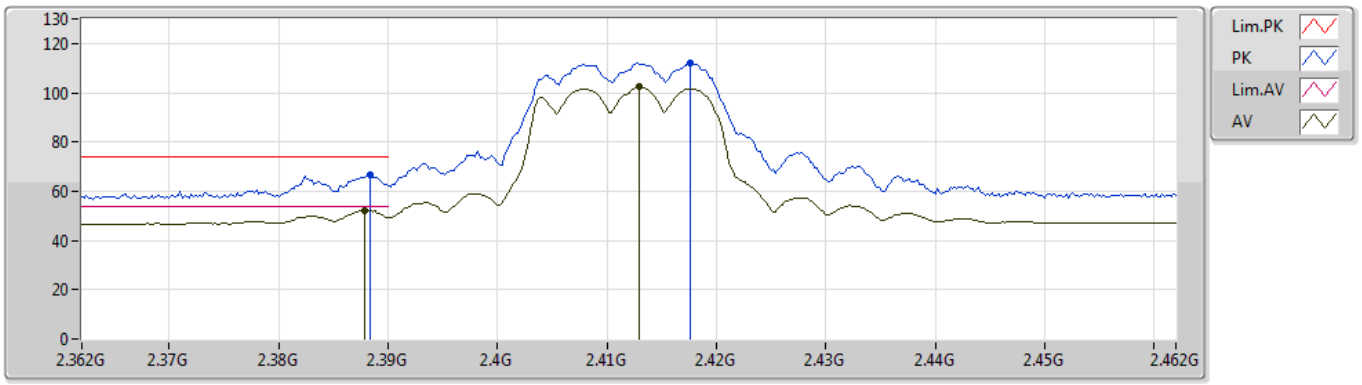
EUT Z_2TX
Setting 22
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92405G	47.00	74.00	-27.00	7.40	3	Horizontal	27	1.15	-	39.60
AV	4.92408G	38.08	54.00	-15.92	7.40	3	Horizontal	27	1.15	-	30.68
PK	7.38504G	53.81	74.00	-20.19	10.76	3	Horizontal	272	1.09	-	43.05
AV	7.38504G	50.75	54.00	-3.25	10.76	3	Horizontal	272	1.09	-	39.99

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

01/11/2019



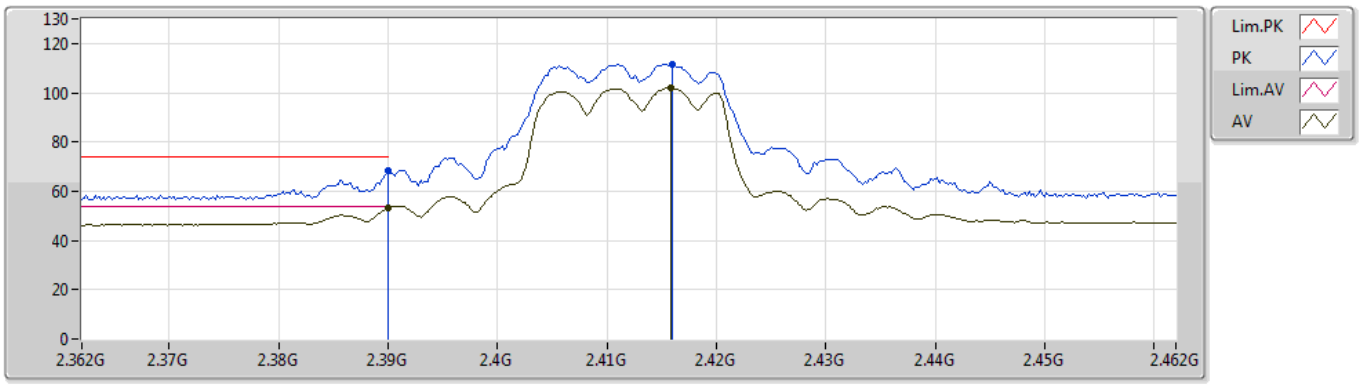
EUT Z_2TX
Setting 17.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3884G	66.53	74.00	-7.47	31.20	3	Vertical	142	1.36	-	35.33
AV	2.3878G	52.36	54.00	-1.64	31.20	3	Vertical	142	1.36	-	21.16
PK	2.4176G	112.29	Inf	-Inf	31.27	3	Vertical	142	1.36	-	81.02
AV	2.413G	102.33	Inf	-Inf	31.26	3	Vertical	142	1.36	-	71.07

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

01/11/2019



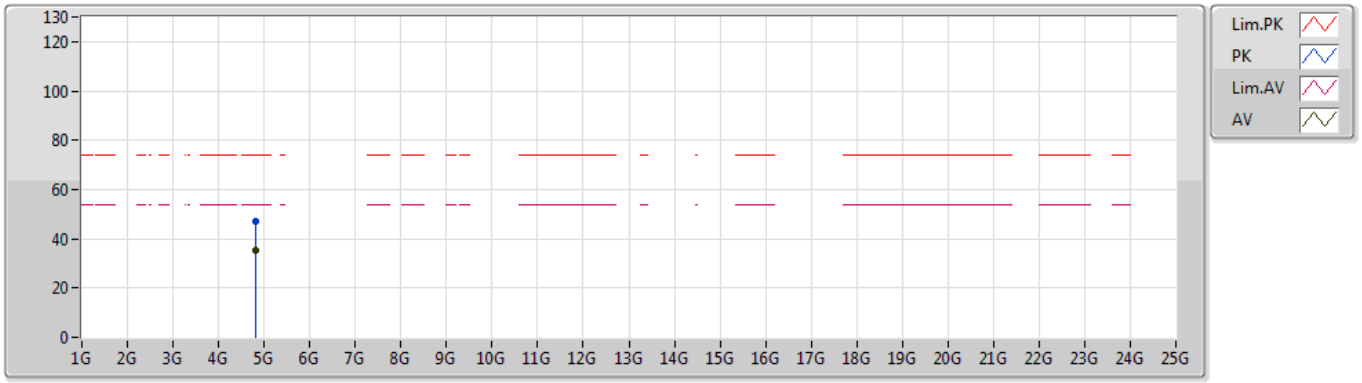
EUT Z_2TX
Setting 17.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	68.17	74.00	-5.83	31.20	3	Horizontal	243	3.00	-	36.97
AV	2.39G	53.12	54.00	-0.88	31.20	3	Horizontal	243	3.00	-	21.92
PK	2.416G	111.70	Inf	-Inf	31.27	3	Horizontal	243	3.00	-	80.43
AV	2.4158G	101.80	Inf	-Inf	31.27	3	Horizontal	243	3.00	-	70.53

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

01/11/2019



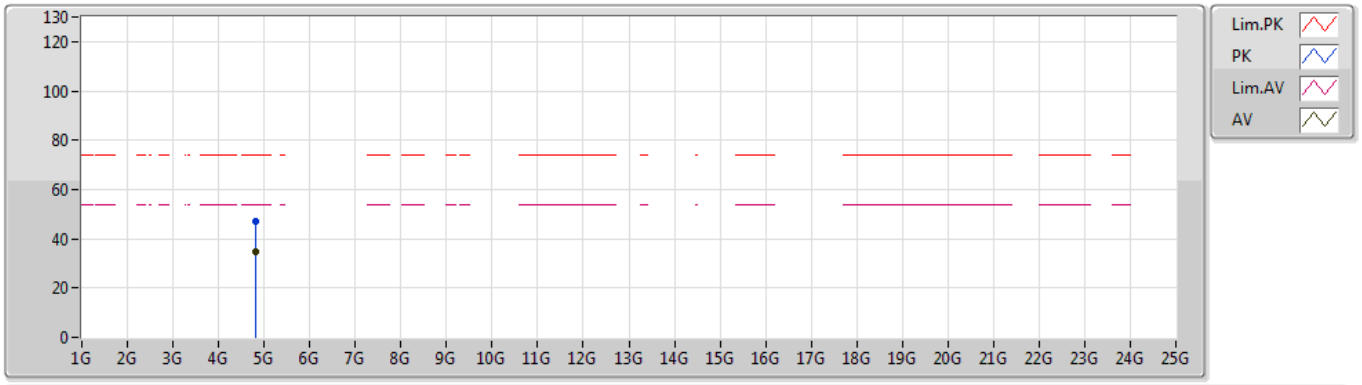
EUT Z_2TX
Setting 17.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82382G	47.11	74.00	-26.89	7.17	3	Vertical	342	1.46	-	39.94
AV	4.82398G	35.49	54.00	-18.51	7.17	3	Vertical	342	1.46	-	28.32

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

01/11/2019



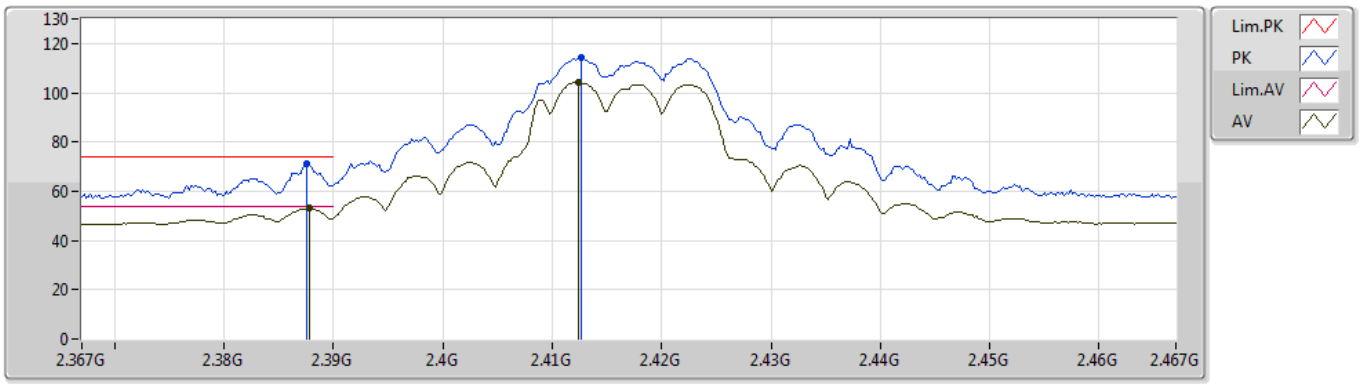
EUT Z_2TX
Setting 17.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82384G	47.34	74.00	-26.66	7.17	3	Horizontal	298	1.01	-	40.17
AV	4.82392G	34.97	54.00	-19.03	7.17	3	Horizontal	298	1.01	-	27.80

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

01/11/2019



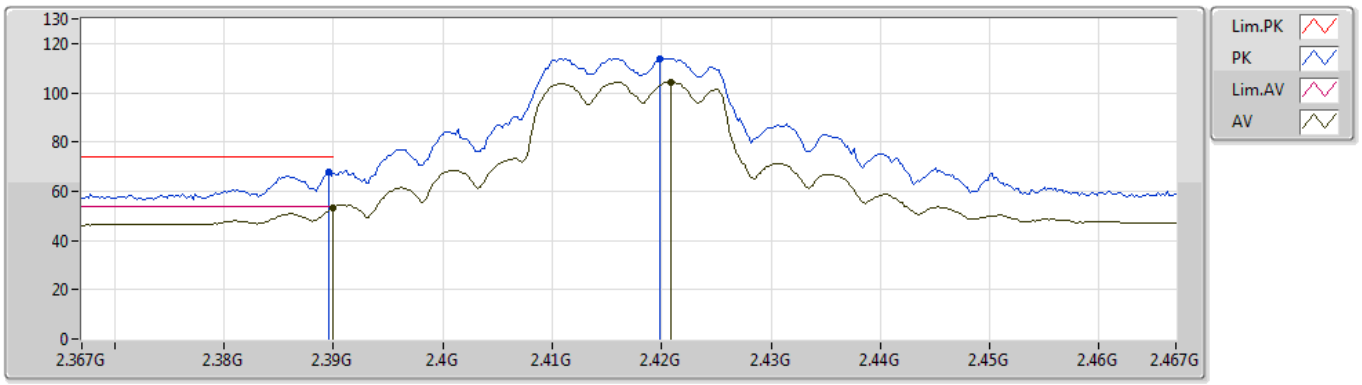
EUT Z_2TX
Setting 20
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3876G	70.91	74.00	-3.09	31.20	3	Vertical	46	2.88	-	39.71
AV	2.3878G	53.10	54.00	-0.90	31.20	3	Vertical	46	2.88	-	21.90
PK	2.4126G	114.49	Inf	-Inf	31.26	3	Vertical	46	2.88	-	83.23
AV	2.4124G	104.21	Inf	-Inf	31.25	3	Vertical	46	2.88	-	72.96

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

01/11/2019



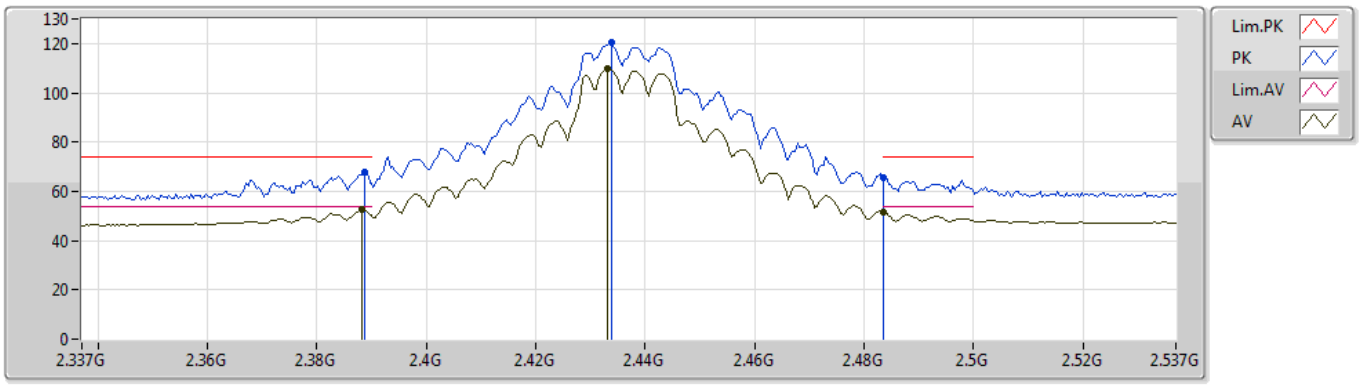
EUT Z_2TX
Setting 20
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3896G	67.72	74.00	-6.28	31.20	3	Horizontal	240	3.00	-	36.52
AV	2.39G	53.27	54.00	-0.73	31.20	3	Horizontal	240	3.00	-	22.07
PK	2.4198G	113.94	Inf	-Inf	31.27	3	Horizontal	240	3.00	-	82.67
AV	2.4208G	104.18	Inf	-Inf	31.27	3	Horizontal	240	3.00	-	72.91

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

01/11/2019



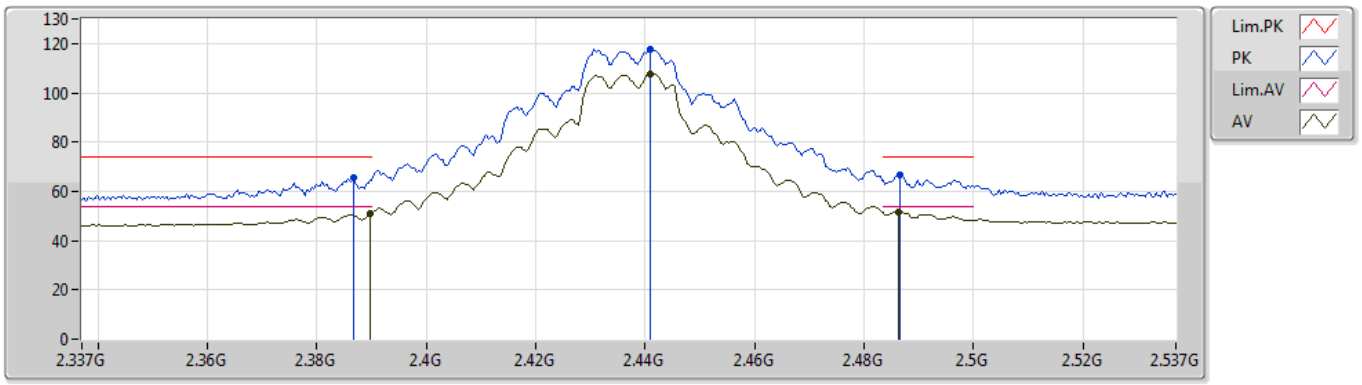
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3886G	67.77	74.00	-6.23	31.20	3	Vertical	163	2.33	-	36.57
AV	2.3882G	52.41	54.00	-1.59	31.20	3	Vertical	163	2.33	-	21.21
PK	2.4338G	120.22	Inf	-Inf	31.29	3	Vertical	163	2.33	-	88.93
AV	2.433G	109.74	Inf	-Inf	31.29	3	Vertical	163	2.33	-	78.45
PK	2.4835G	65.33	74.00	-8.67	31.39	3	Vertical	163	2.33	-	33.94
AV	2.4835G	51.77	54.00	-2.23	31.39	3	Vertical	163	2.33	-	20.38

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

01/11/2019



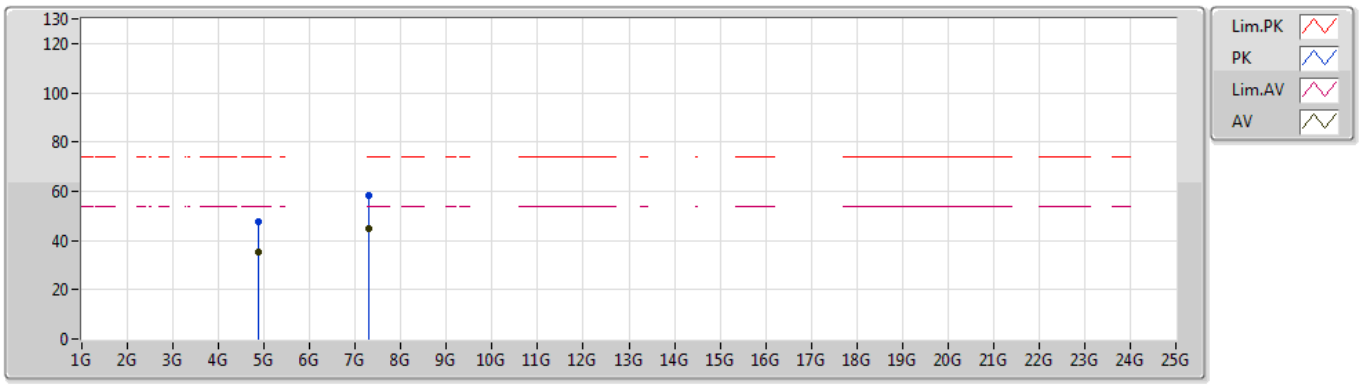
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3866G	65.71	74.00	-8.29	31.20	3	Horizontal	256	1.53	-	34.51
AV	2.3898G	50.77	54.00	-3.23	31.20	3	Horizontal	256	1.53	-	19.57
PK	2.441G	117.54	Inf	-Inf	31.32	3	Horizontal	256	1.53	-	86.22
AV	2.441G	107.66	Inf	-Inf	31.32	3	Horizontal	256	1.53	-	76.34
PK	2.4866G	66.50	74.00	-7.50	31.40	3	Horizontal	256	1.53	-	35.10
AV	2.4862G	51.74	54.00	-2.26	31.40	3	Horizontal	256	1.53	-	20.34

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

01/11/2019



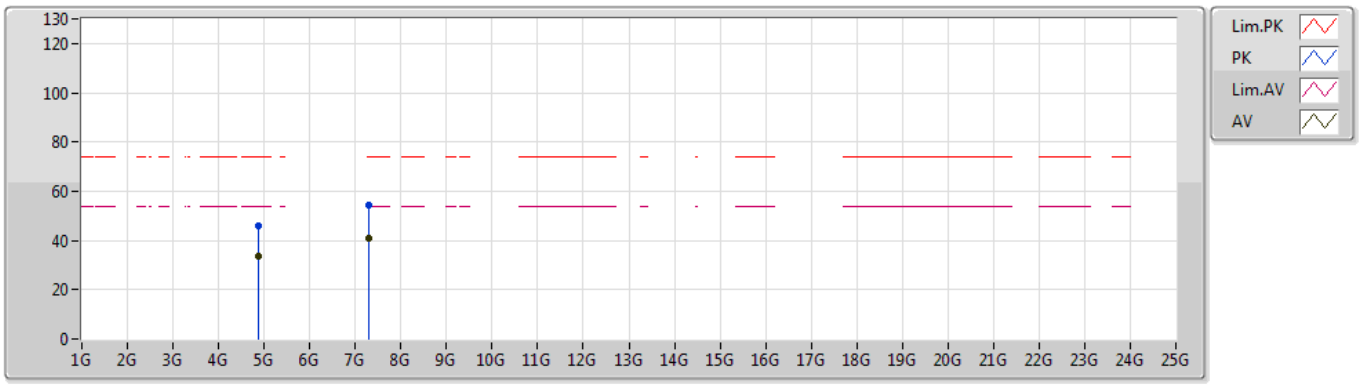
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87412G	47.56	74.00	-26.44	7.28	3	Vertical	273	2.99	-	40.28
AV	4.874G	35.42	54.00	-18.58	7.28	3	Vertical	273	2.99	-	28.14
PK	7.30916G	58.38	74.00	-15.62	10.54	3	Vertical	122	1.06	-	47.84
AV	7.30884G	44.89	54.00	-9.11	10.54	3	Vertical	122	1.06	-	34.35

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

01/11/2019



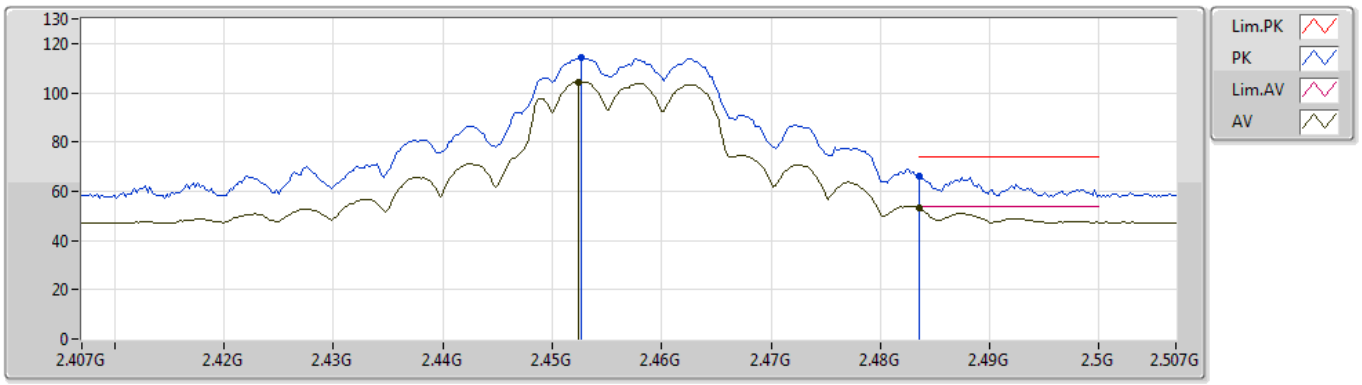
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87424G	46.08	74.00	-27.92	7.28	3	Horizontal	247	1.14	-	38.80
AV	4.87396G	33.86	54.00	-20.14	7.28	3	Horizontal	247	1.14	-	26.58
PK	7.309G	54.44	74.00	-19.56	10.54	3	Horizontal	320	1.06	-	43.90
AV	7.30948G	41.17	54.00	-12.83	10.54	3	Horizontal	320	1.06	-	30.63

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

01/11/2019



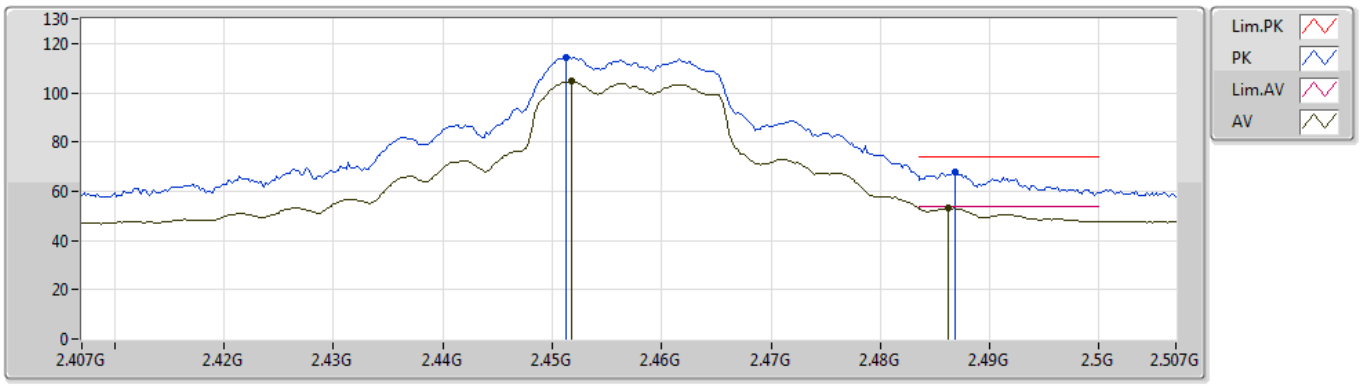
EUT Z_2TX
Setting 20
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4526G	114.17	Inf	-Inf	31.33	3	Vertical	37	1.46	-	82.84
AV	2.4524G	104.43	Inf	-Inf	31.33	3	Vertical	37	1.46	-	73.10
PK	2.4835G	65.87	74.00	-8.13	31.39	3	Vertical	37	1.46	-	34.48
AV	2.4835G	52.99	54.00	-1.01	31.39	3	Vertical	37	1.46	-	21.60

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

01/11/2019



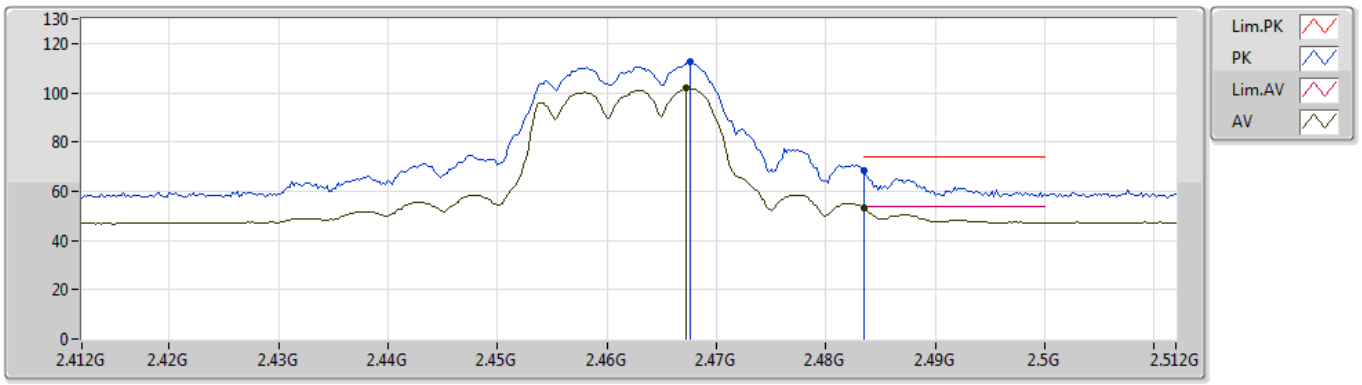
EUT Z_2TX
Setting 20
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4512G	114.45	Inf	-Inf	31.33	3	Horizontal	252	1.14	-	83.12
AV	2.4518G	104.60	Inf	-Inf	31.33	3	Horizontal	252	1.14	-	73.27
PK	2.4868G	67.82	74.00	-6.18	31.40	3	Horizontal	252	1.14	-	36.42
AV	2.4862G	53.27	54.00	-0.73	31.40	3	Horizontal	252	1.14	-	21.87

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

01/11/2019



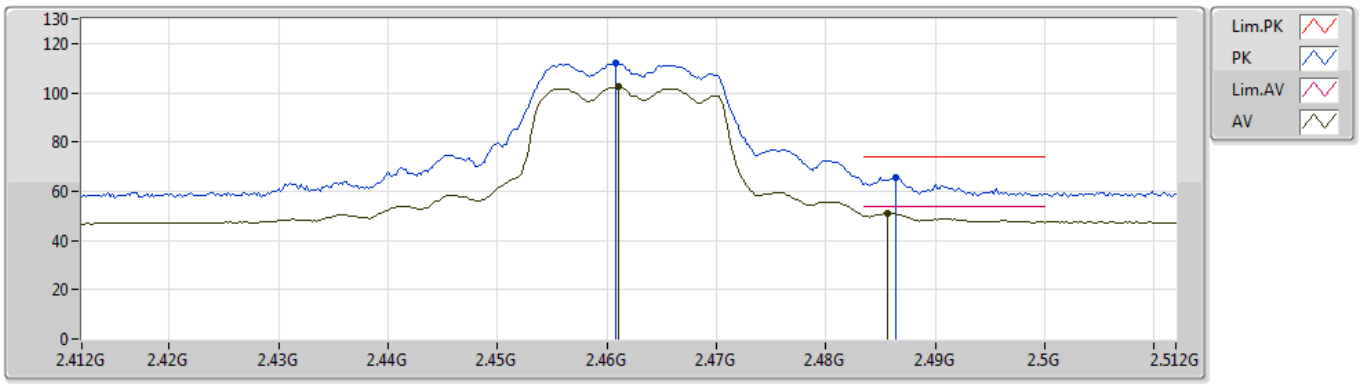
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4676G	112.55	Inf	-Inf	31.37	3	Vertical	143	1.48	-	81.18
AV	2.4672G	101.75	Inf	-Inf	31.37	3	Vertical	143	1.48	-	70.38
PK	2.4835G	68.48	74.00	-5.52	31.39	3	Vertical	143	1.48	-	37.09
AV	2.4835G	53.20	54.00	-0.80	31.39	3	Vertical	143	1.48	-	21.81

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

01/11/2019



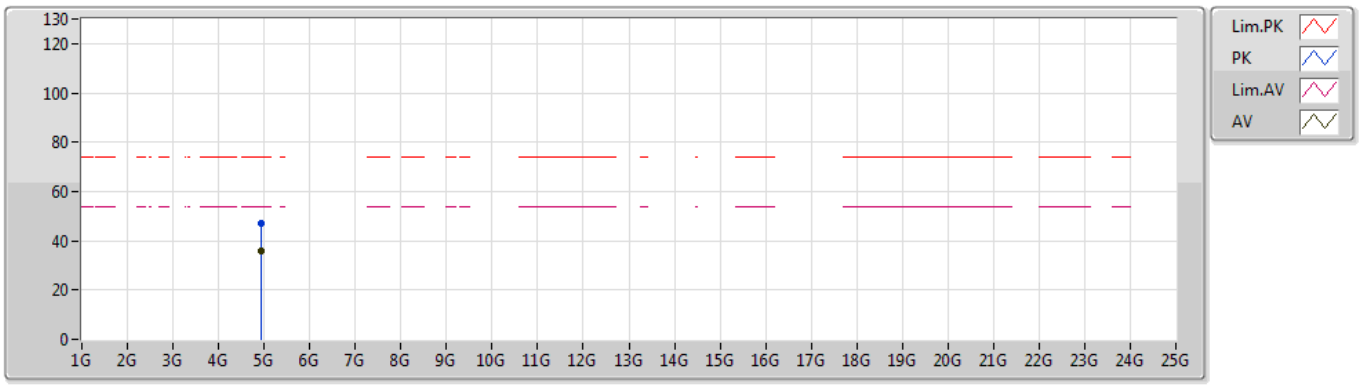
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4608G	112.01	Inf	-Inf	31.35	3	Horizontal	251	1.93	-	80.66
AV	2.461G	102.28	Inf	-Inf	31.35	3	Horizontal	251	1.93	-	70.93
PK	2.4864G	65.81	74.00	-8.19	31.40	3	Horizontal	251	1.93	-	34.41
AV	2.4856G	51.01	54.00	-2.99	31.40	3	Horizontal	251	1.93	-	19.61

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

01/11/2019



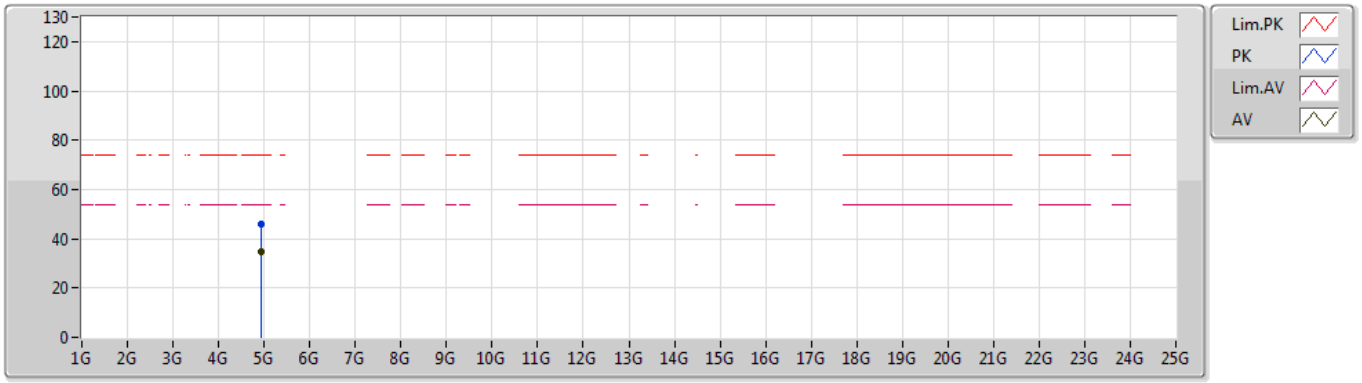
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92386G	46.97	74.00	-27.03	7.40	3	Vertical	303	2.62	-	39.57
AV	4.92404G	35.67	54.00	-18.33	7.40	3	Vertical	303	2.62	-	28.27

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

01/11/2019



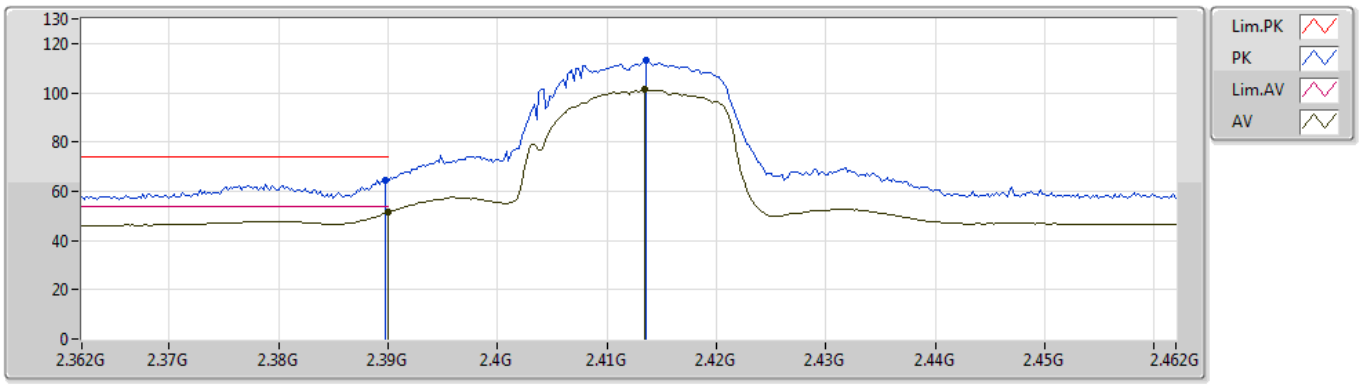
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92382G	46.01	74.00	-27.99	7.40	3	Horizontal	300	1.03	-	38.61
AV	4.92396G	34.93	54.00	-19.07	7.40	3	Horizontal	300	1.03	-	27.53

VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

01/11/2019



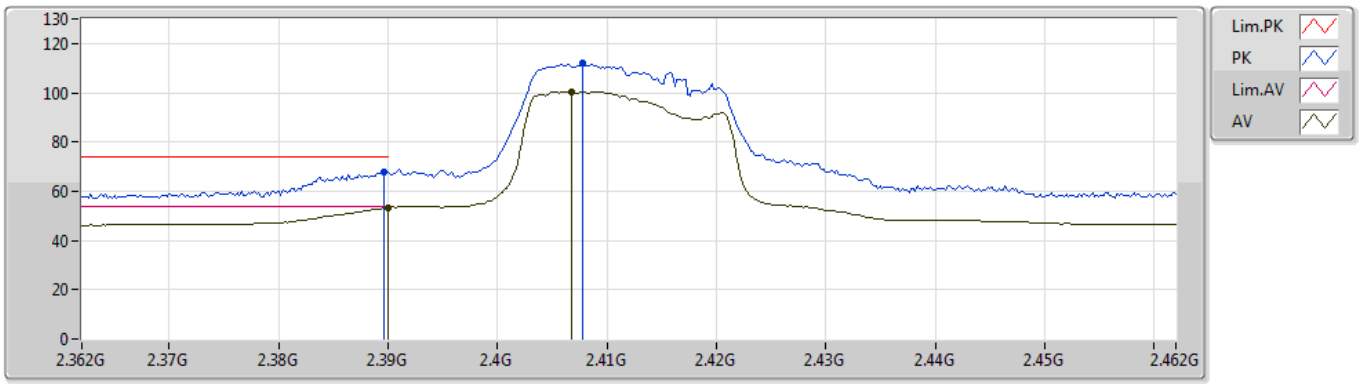
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	64.61	74.00	-9.39	31.20	3	Vertical	37	2.89	-	33.41
AV	2.39G	51.39	54.00	-2.61	31.20	3	Vertical	37	2.89	-	20.19
PK	2.4136G	113.07	Inf	-Inf	31.26	3	Vertical	37	2.89	-	81.81
AV	2.4134G	101.18	Inf	-Inf	31.26	3	Vertical	37	2.89	-	69.92

VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

01/11/2019



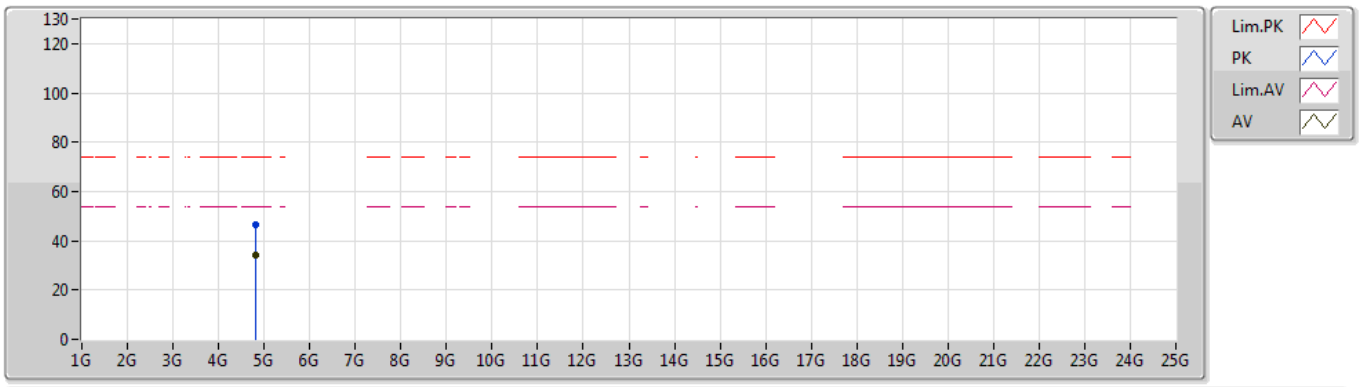
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3896G	67.95	74.00	-6.05	31.20	3	Horizontal	257	2.04	-	36.75
AV	2.39G	53.48	54.00	-0.52	31.20	3	Horizontal	257	2.04	-	22.28
PK	2.4078G	112.28	Inf	-Inf	31.24	3	Horizontal	257	2.04	-	81.04
AV	2.4068G	100.50	Inf	-Inf	31.24	3	Horizontal	257	2.04	-	69.26

VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

01/11/2019



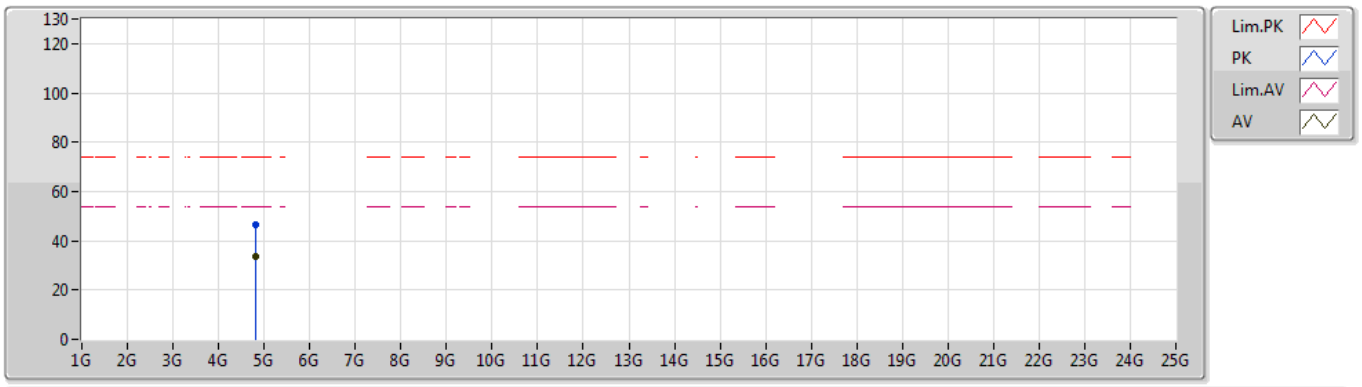
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.82834G	46.58	74.00	-27.42	7.18	3	Vertical	11	2.91	-	39.40
AV	4.82402G	34.02	54.00	-19.98	7.17	3	Vertical	11	2.91	-	26.85

VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

01/11/2019



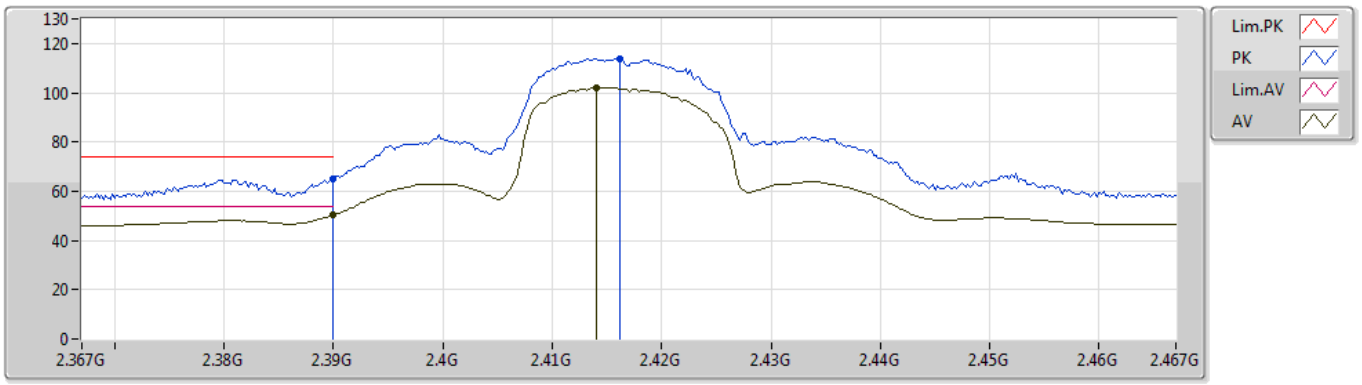
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.8277G	46.59	74.00	-27.41	7.18	3	Horizontal	297	1.01	-	39.41
AV	4.82394G	33.87	54.00	-20.13	7.17	3	Horizontal	297	1.01	-	26.70

VHT20_Nss1,(MCS0)_2TX

2417MHz_TX

01/11/2019



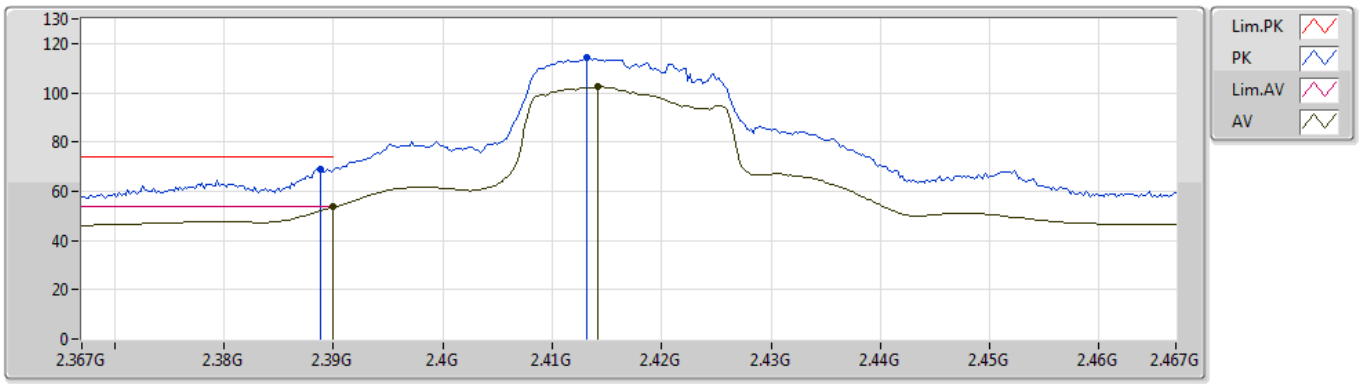
EUT Z_2TX
Setting 19.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	64.87	74.00	-9.13	31.20	3	Vertical	61	2.86	-	33.67
AV	2.39G	50.40	54.00	-3.60	31.20	3	Vertical	61	2.86	-	19.20
PK	2.4162G	113.87	Inf	-Inf	31.27	3	Vertical	61	2.86	-	82.60
AV	2.414G	102.18	Inf	-Inf	31.26	3	Vertical	61	2.86	-	70.92

VHT20_Nss1,(MCS0)_2TX

2417MHz_TX

01/11/2019



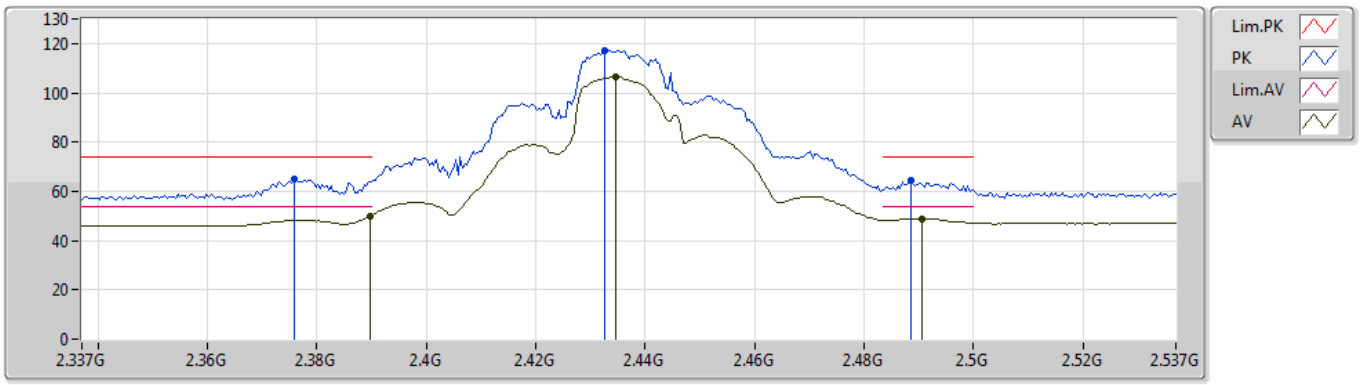
EUT Z_2TX
Setting 19.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3888G	69.19	74.00	-4.81	31.20	3	Horizontal	259	1.38	-	37.99
AV	2.39G	53.53	54.00	-0.47	31.20	3	Horizontal	259	1.38	-	22.33
PK	2.4132G	114.05	Inf	-Inf	31.26	3	Horizontal	259	1.38	-	82.79
AV	2.4142G	102.30	Inf	-Inf	31.26	3	Horizontal	259	1.38	-	71.04

VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



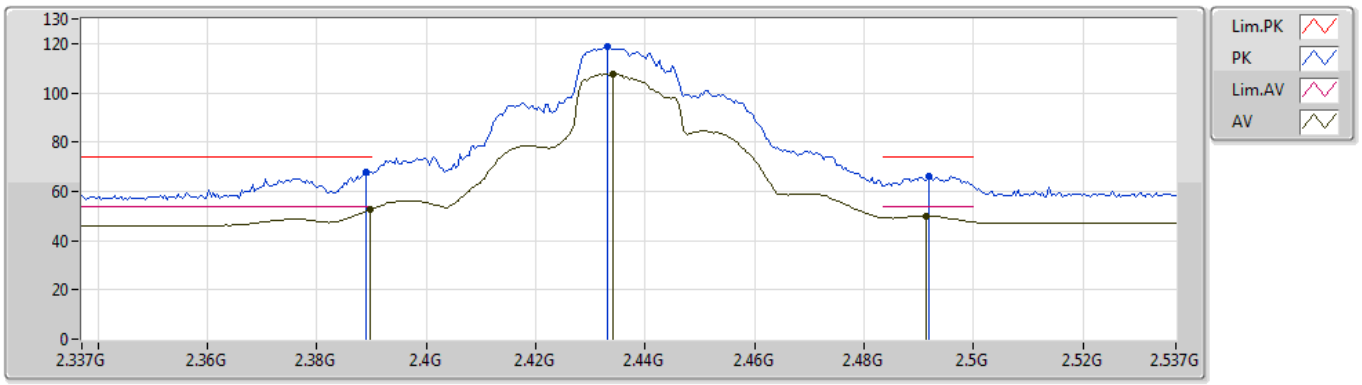
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3758G	64.79	74.00	-9.21	31.17	3	Vertical	61	1.50	-	33.62
AV	2.3898G	50.14	54.00	-3.86	31.20	3	Vertical	61	1.50	-	18.94
PK	2.4326G	117.27	Inf	-Inf	31.29	3	Vertical	61	1.50	-	85.98
AV	2.4346G	106.59	Inf	-Inf	31.30	3	Vertical	61	1.50	-	75.29
PK	2.4886G	64.37	74.00	-9.63	31.41	3	Vertical	61	1.50	-	32.96
AV	2.4906G	48.97	54.00	-5.03	31.41	3	Vertical	61	1.50	-	17.56

VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



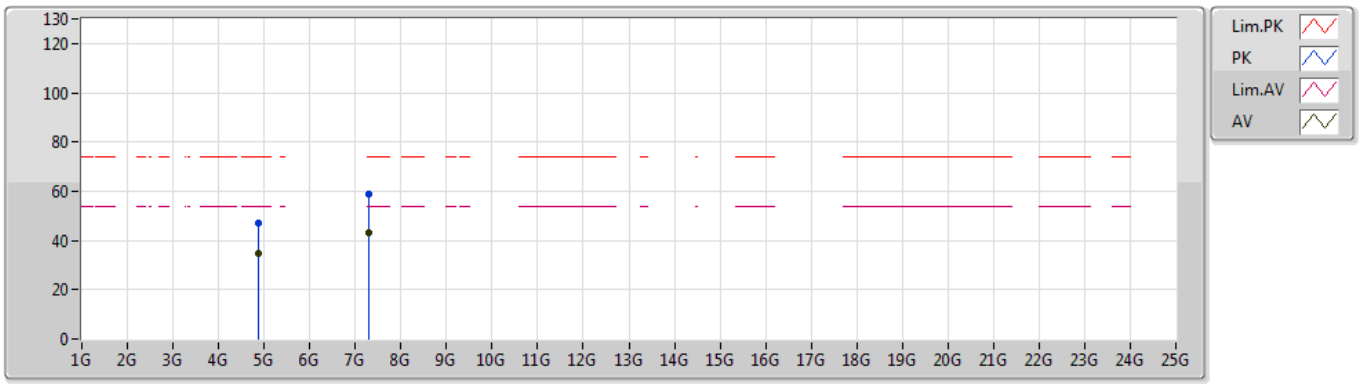
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.389G	68.08	74.00	-5.92	31.20	3	Horizontal	257	1.23	-	36.88
AV	2.3898G	52.55	54.00	-1.45	31.20	3	Horizontal	257	1.23	-	21.35
PK	2.433G	118.56	Inf	-Inf	31.29	3	Horizontal	257	1.23	-	87.27
AV	2.4342G	107.71	Inf	-Inf	31.29	3	Horizontal	257	1.23	-	76.42
PK	2.4918G	66.03	74.00	-7.97	31.42	3	Horizontal	257	1.23	-	34.61
AV	2.4914G	50.07	54.00	-3.93	31.42	3	Horizontal	257	1.23	-	18.65

VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



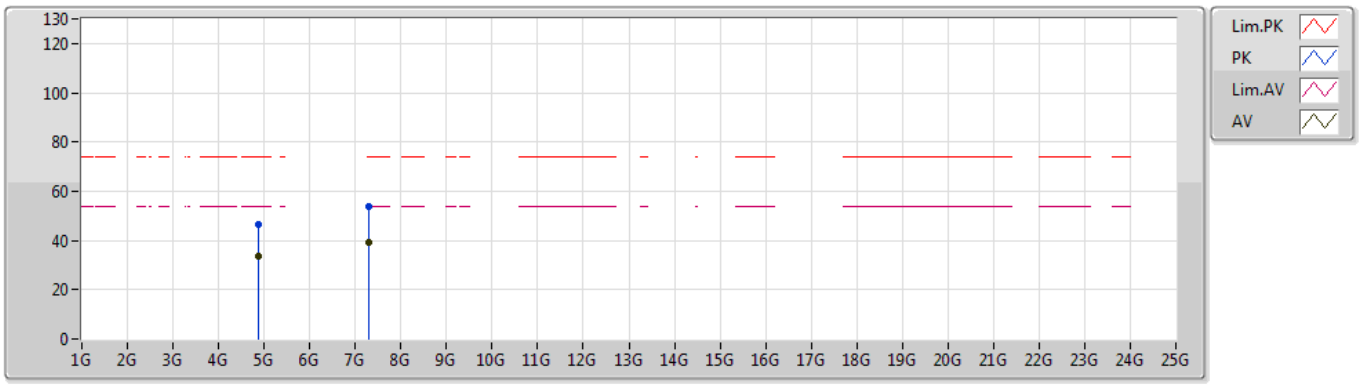
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.874G	47.29	74.00	-26.71	7.28	3	Vertical	319	2.42	-	40.01
AV	4.87398G	34.85	54.00	-19.15	7.28	3	Vertical	319	2.42	-	27.57
PK	7.301G	58.70	74.00	-15.30	10.52	3	Vertical	46	2.39	-	48.18
AV	7.30476G	43.20	54.00	-10.80	10.54	3	Vertical	46	2.39	-	32.66

VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



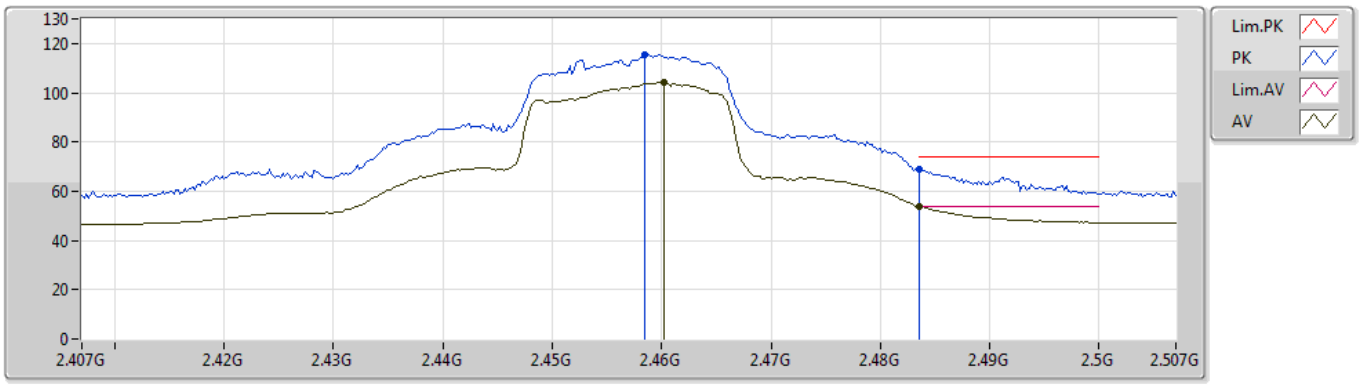
EUT Z_2TX
Setting 26
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87394G	46.43	74.00	-27.57	7.28	3	Horizontal	244	1.03	-	39.15
AV	4.87402G	33.53	54.00	-20.47	7.28	3	Horizontal	244	1.03	-	26.25
PK	7.30692G	54.04	74.00	-19.96	10.55	3	Horizontal	337	1.01	-	43.49
AV	7.30508G	39.39	54.00	-14.61	10.54	3	Horizontal	337	1.01	-	28.85

VHT20_Nss1,(MCS0)_2TX

2457MHz_TX

01/11/2019



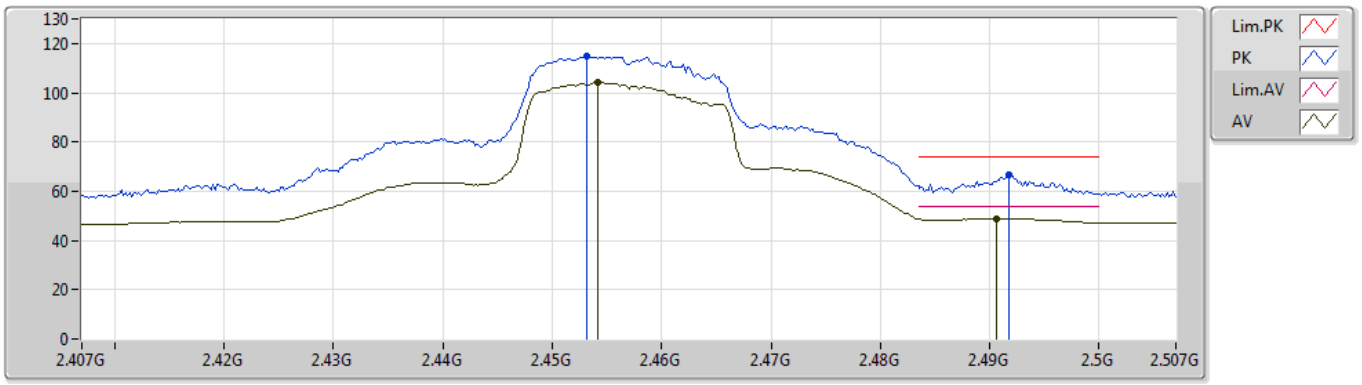
EUT Z_2TX
Setting 19.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4584G	115.52	Inf	-Inf	31.34	3	Vertical	152	2.99	-	84.18
AV	2.4602G	104.03	Inf	-Inf	31.35	3	Vertical	152	2.99	-	72.68
PK	2.4835G	69.11	74.00	-4.89	31.39	3	Vertical	152	2.99	-	37.72
AV	2.4835G	53.98	54.00	-0.02	31.39	3	Vertical	152	2.99	-	22.59

VHT20_Nss1,(MCS0)_2TX

2457MHz_TX

01/11/2019



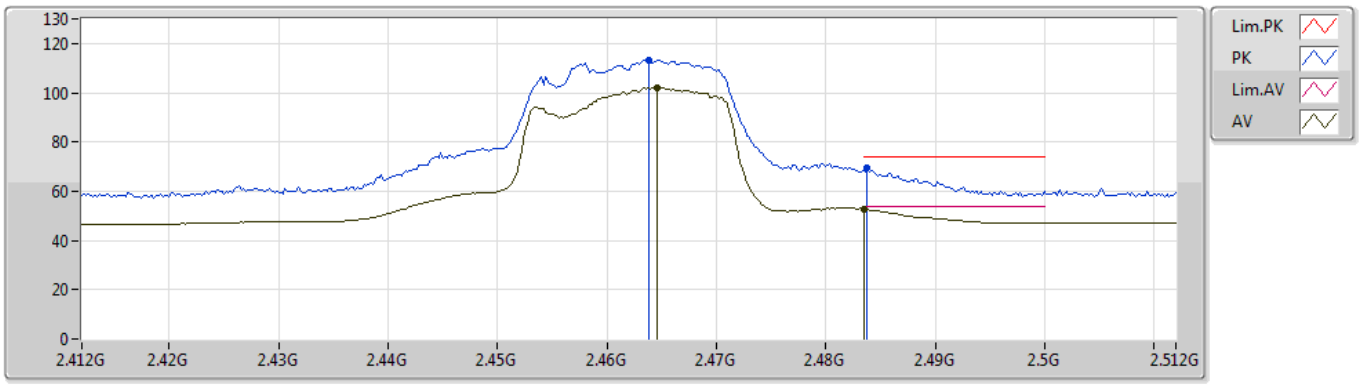
EUT Z_2TX
Setting 19.5
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4532G	114.99	Inf	-Inf	31.34	3	Horizontal	249	1.93	-	83.65
AV	2.4542G	104.08	Inf	-Inf	31.34	3	Horizontal	249	1.93	-	72.74
PK	2.4918G	66.69	74.00	-7.31	31.42	3	Horizontal	249	1.93	-	35.27
AV	2.4906G	49.03	54.00	-4.97	31.41	3	Horizontal	249	1.93	-	17.62

VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

01/11/2019



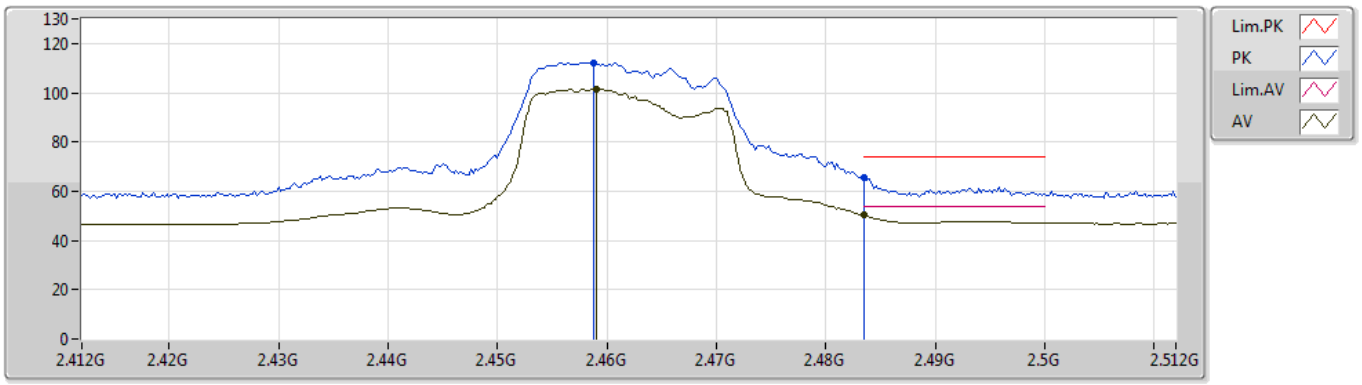
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4638G	113.46	Inf	-Inf	31.36	3	Vertical	166	2.65	-	82.10
AV	2.4646G	102.00	Inf	-Inf	31.36	3	Vertical	166	2.65	-	70.64
PK	2.4838G	69.23	74.00	-4.77	31.39	3	Vertical	166	2.65	-	37.84
AV	2.4835G	52.89	54.00	-1.11	31.39	3	Vertical	166	2.65	-	21.50

VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

01/11/2019



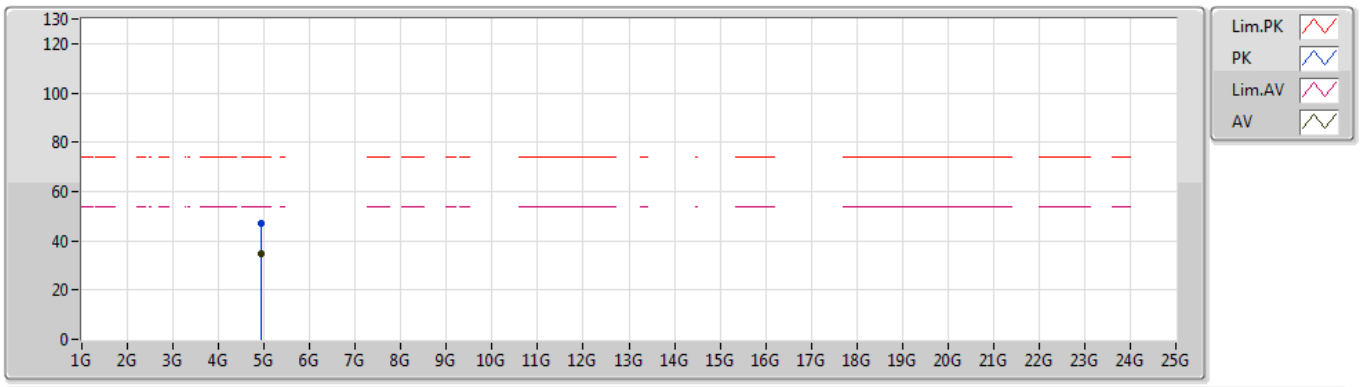
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.4588G	112.33	Inf	-Inf	31.34	3	Horizontal	261	2.68	-	80.99
AV	2.459G	101.38	Inf	-Inf	31.34	3	Horizontal	261	2.68	-	70.04
PK	2.4835G	65.60	74.00	-8.40	31.39	3	Horizontal	261	2.68	-	34.21
AV	2.4835G	50.16	54.00	-3.84	31.39	3	Horizontal	261	2.68	-	18.77

VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

01/11/2019



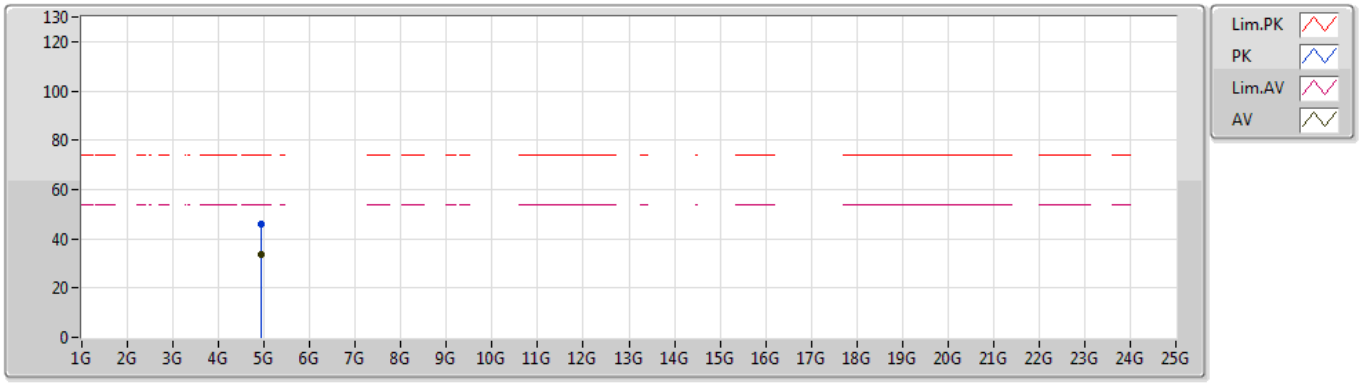
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.9238G	46.88	74.00	-27.12	7.40	3	Vertical	317	1.03	-	39.48
AV	4.924G	34.71	54.00	-19.29	7.40	3	Vertical	317	1.03	-	27.31

VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

01/11/2019



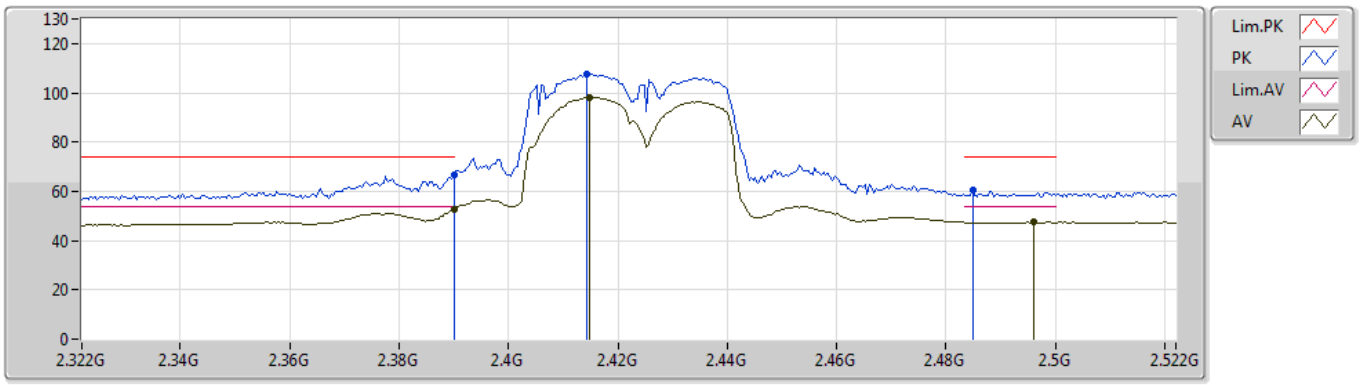
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92412G	46.08	74.00	-27.92	7.40	3	Horizontal	295	1.03	-	38.68
AV	4.924G	33.90	54.00	-20.10	7.40	3	Horizontal	295	1.03	-	26.50

VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

01/11/2019



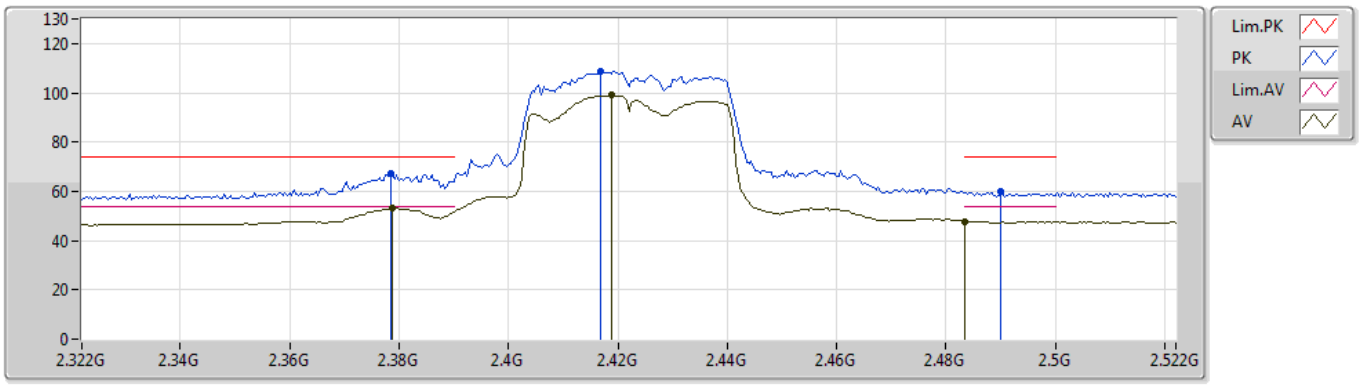
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	66.61	74.00	-7.39	31.20	3	Vertical	94	1.50	-	35.41
AV	2.39G	52.68	54.00	-1.32	31.20	3	Vertical	94	1.50	-	21.48
PK	2.4144G	107.62	Inf	-Inf	31.26	3	Vertical	94	1.50	-	76.36
AV	2.4148G	98.04	Inf	-Inf	31.26	3	Vertical	94	1.50	-	66.78
PK	2.4848G	60.69	74.00	-13.31	31.40	3	Vertical	94	1.50	-	29.29
AV	2.496G	47.42	54.00	-6.58	31.42	3	Vertical	94	1.50	-	16.00

VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

01/11/2019



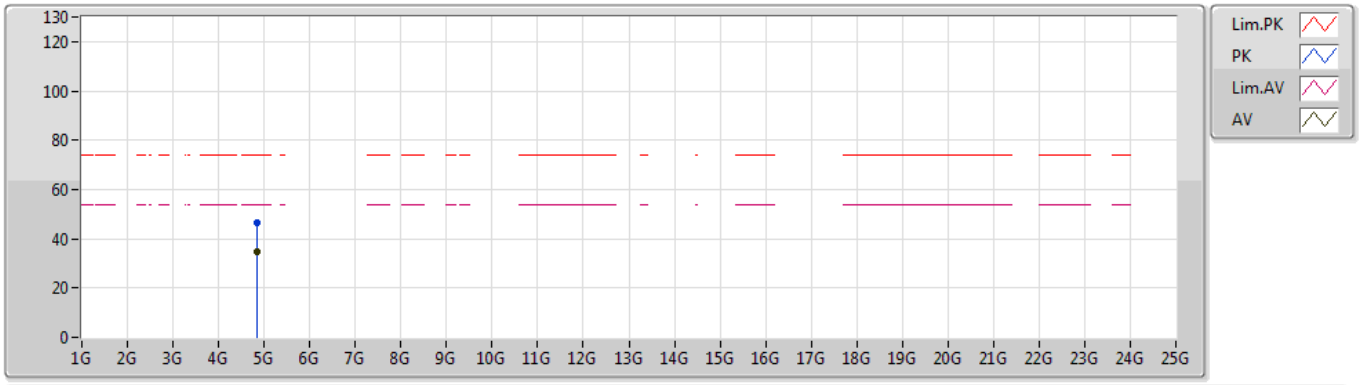
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3784G	67.08	74.00	-6.92	31.17	3	Horizontal	256	1.37	-	35.91
AV	2.3788G	53.22	54.00	-0.78	31.18	3	Horizontal	256	1.37	-	22.04
PK	2.4168G	108.72	Inf	-Inf	31.27	3	Horizontal	256	1.37	-	77.45
AV	2.4188G	98.97	Inf	-Inf	31.27	3	Horizontal	256	1.37	-	67.70
PK	2.49G	59.71	74.00	-14.29	31.41	3	Horizontal	256	1.37	-	28.30
AV	2.4835G	47.90	54.00	-6.10	31.39	3	Horizontal	256	1.37	-	16.51

VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

01/11/2019



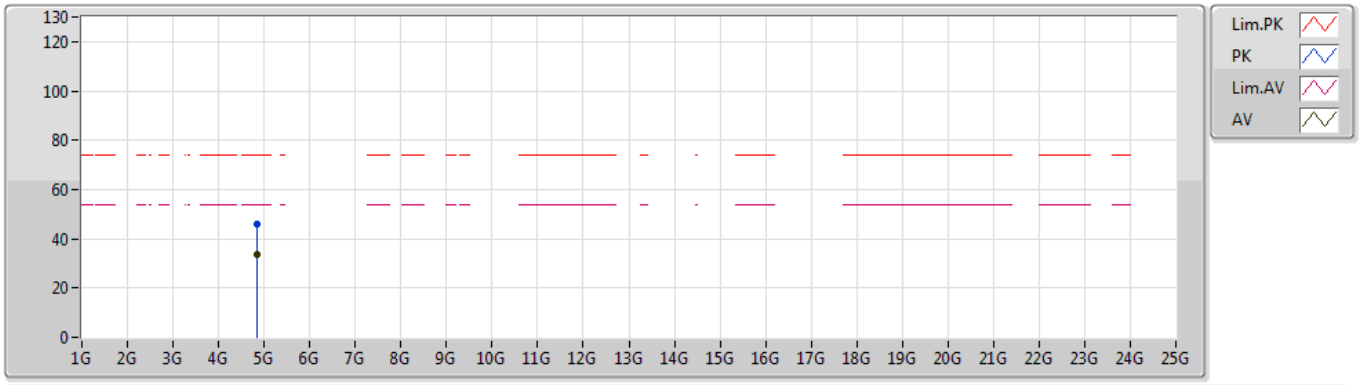
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.84438G	46.44	74.00	-27.56	7.21	3	Vertical	332	1.52	-	39.23
AV	4.84394G	34.52	54.00	-19.48	7.21	3	Vertical	332	1.52	-	27.31

VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

01/11/2019



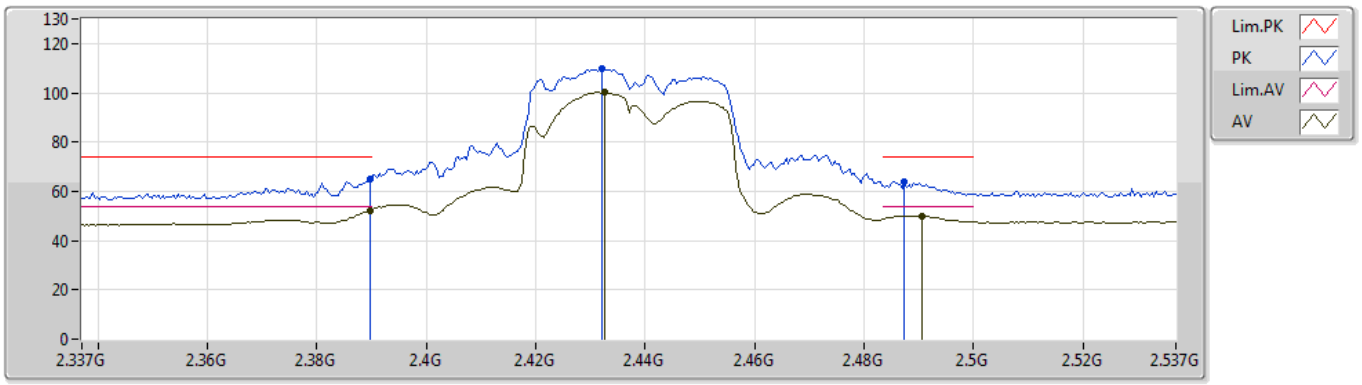
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.84408G	46.19	74.00	-27.81	7.21	3	Horizontal	264	2.95	-	38.98
AV	4.844G	33.61	54.00	-20.39	7.21	3	Horizontal	264	2.95	-	26.40

VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



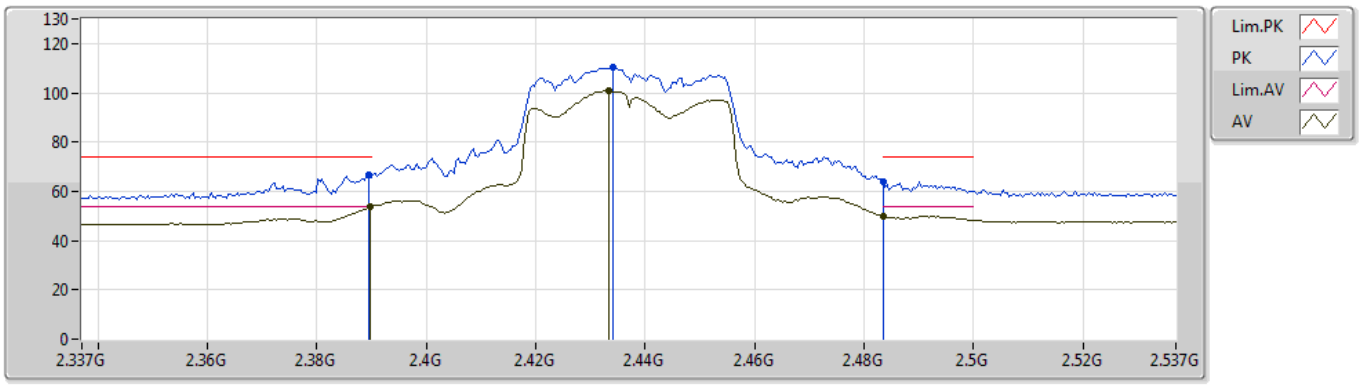
EUT Z_2TX
Setting 18
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	65.17	74.00	-8.83	31.20	3	Vertical	69	1.29	-	33.97
AV	2.3898G	52.34	54.00	-1.66	31.20	3	Vertical	69	1.29	-	21.14
PK	2.4322G	109.68	Inf	-Inf	31.29	3	Vertical	69	1.29	-	78.39
AV	2.4326G	100.25	Inf	-Inf	31.29	3	Vertical	69	1.29	-	68.96
PK	2.4874G	63.74	74.00	-10.26	31.40	3	Vertical	69	1.29	-	32.34
AV	2.4906G	50.06	54.00	-3.94	31.41	3	Vertical	69	1.29	-	18.65

VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



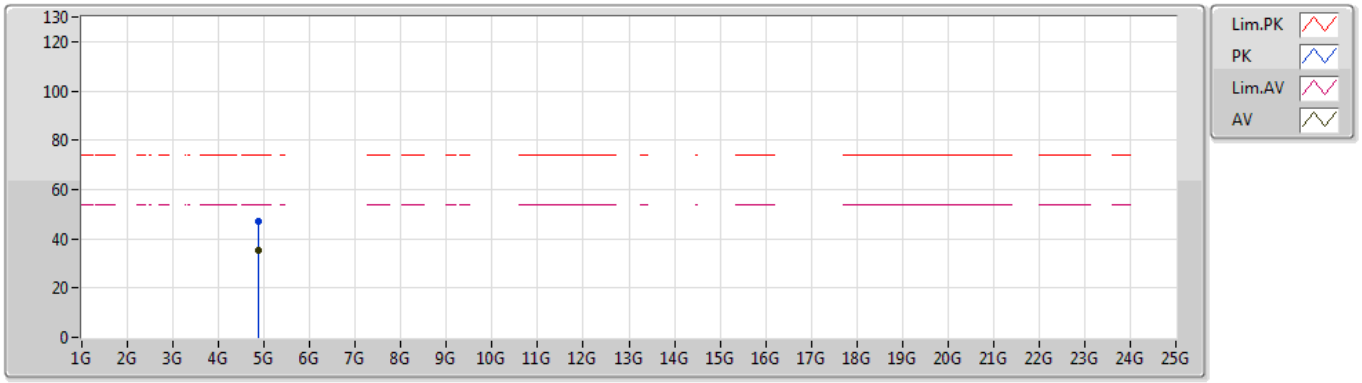
EUT Z_2TX
Setting 18
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3894G	66.57	74.00	-7.43	31.20	3	Horizontal	251	1.01	-	35.37
AV	2.3898G	53.63	54.00	-0.37	31.20	3	Horizontal	251	1.01	-	22.43
PK	2.4342G	110.31	Inf	-Inf	31.29	3	Horizontal	251	1.01	-	79.02
AV	2.4334G	100.89	Inf	-Inf	31.29	3	Horizontal	251	1.01	-	69.60
PK	2.4835G	63.85	74.00	-10.15	31.39	3	Horizontal	251	1.01	-	32.46
AV	2.4835G	49.92	54.00	-4.08	31.39	3	Horizontal	251	1.01	-	18.53

VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



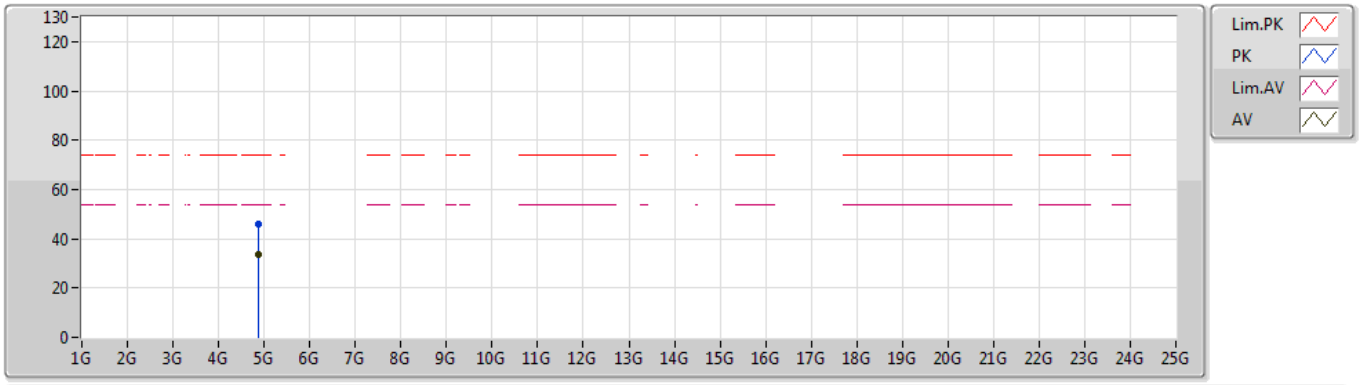
EUT Z_2TX
Setting 18
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87406G	47.12	74.00	-26.88	7.28	3	Vertical	321	2.68	-	39.84
AV	4.87404G	35.04	54.00	-18.96	7.28	3	Vertical	321	2.68	-	27.76

VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

01/11/2019



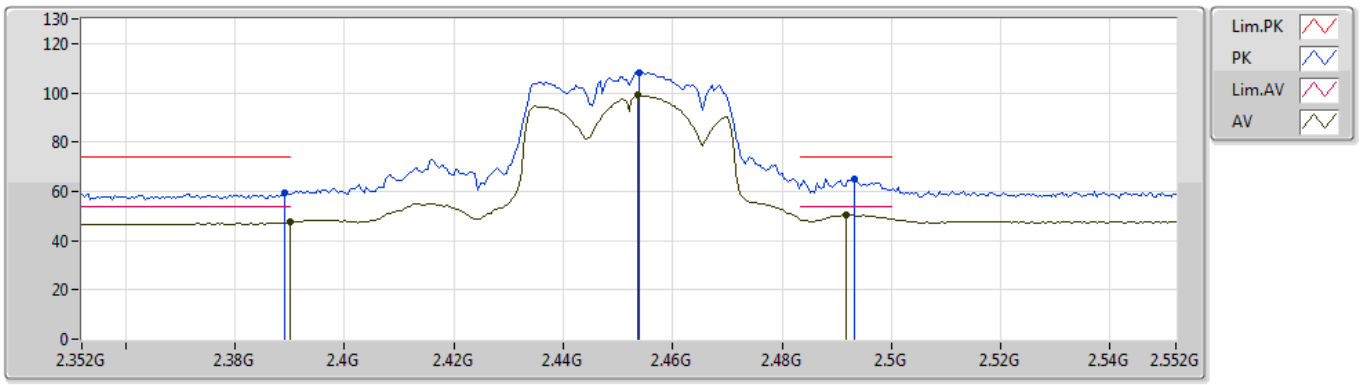
EUT Z_2TX
Setting 18
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87428G	45.80	74.00	-28.20	7.28	3	Horizontal	255	2.79	-	38.52
AV	4.874G	33.37	54.00	-20.63	7.28	3	Horizontal	255	2.79	-	26.09

VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

01/11/2019



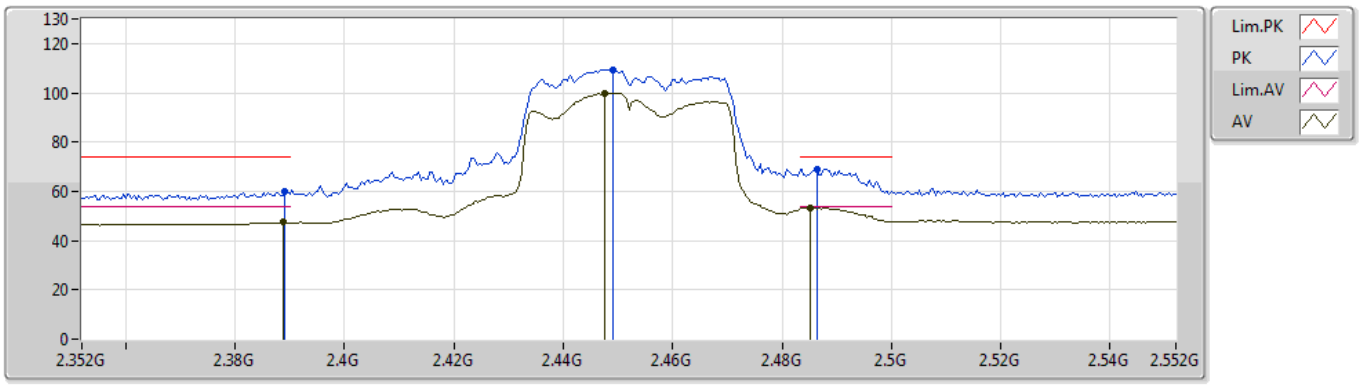
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3892G	59.33	74.00	-14.67	31.20	3	Vertical	39	1.45	-	28.13
AV	2.39G	47.46	54.00	-6.54	31.20	3	Vertical	39	1.45	-	16.26
PK	2.454G	108.25	Inf	-Inf	31.34	3	Vertical	39	1.45	-	76.91
AV	2.4536G	99.01	Inf	-Inf	31.34	3	Vertical	39	1.45	-	67.67
PK	2.4932G	65.27	74.00	-8.73	31.42	3	Vertical	39	1.45	-	33.85
AV	2.4916G	50.33	54.00	-3.67	31.42	3	Vertical	39	1.45	-	18.91

VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

01/11/2019



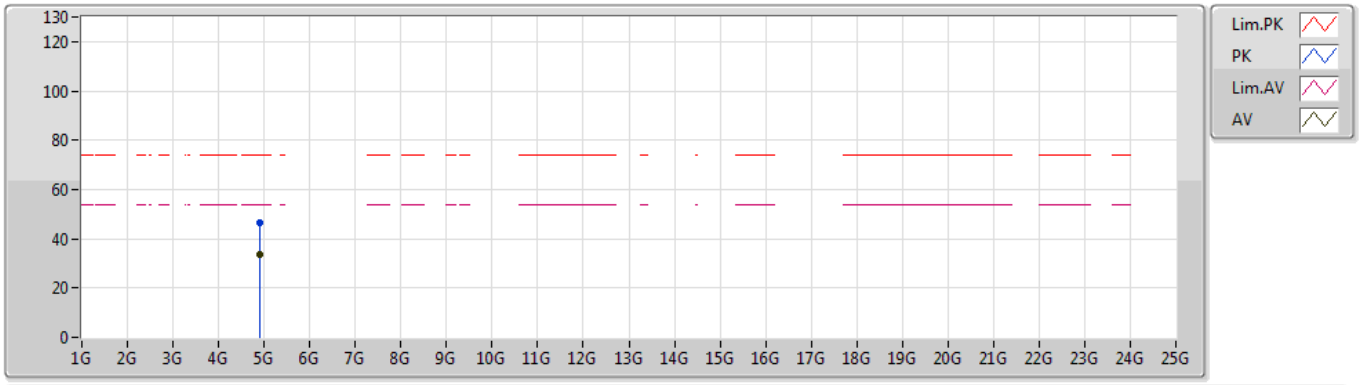
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3892G	59.89	74.00	-14.11	31.20	3	Horizontal	253	2.18	-	28.69
AV	2.3888G	47.43	54.00	-6.57	31.20	3	Horizontal	253	2.18	-	16.23
PK	2.4492G	109.48	Inf	-Inf	31.33	3	Horizontal	253	2.18	-	78.15
AV	2.4476G	99.88	Inf	-Inf	31.33	3	Horizontal	253	2.18	-	68.55
PK	2.4864G	69.08	74.00	-4.92	31.40	3	Horizontal	253	2.18	-	37.68
AV	2.4852G	53.34	54.00	-0.66	31.40	3	Horizontal	253	2.18	-	21.94

VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

01/11/2019



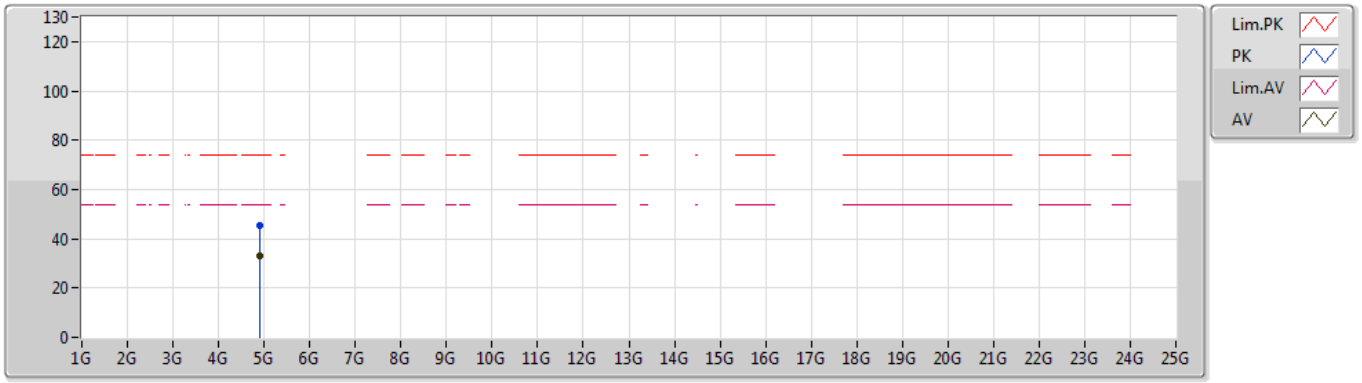
EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.90382G	46.45	74.00	-27.55	7.36	3	Vertical	346	1.39	-	39.09
AV	4.904G	33.83	54.00	-20.17	7.36	3	Vertical	346	1.39	-	26.47

VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

01/11/2019



EUT Z_2TX
Setting 17
02-J-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.90368G	45.25	74.00	-28.75	7.36	3	Horizontal	294	1.50	-	37.89
AV	4.90406G	32.91	54.00	-21.09	7.36	3	Horizontal	294	1.50	-	25.55

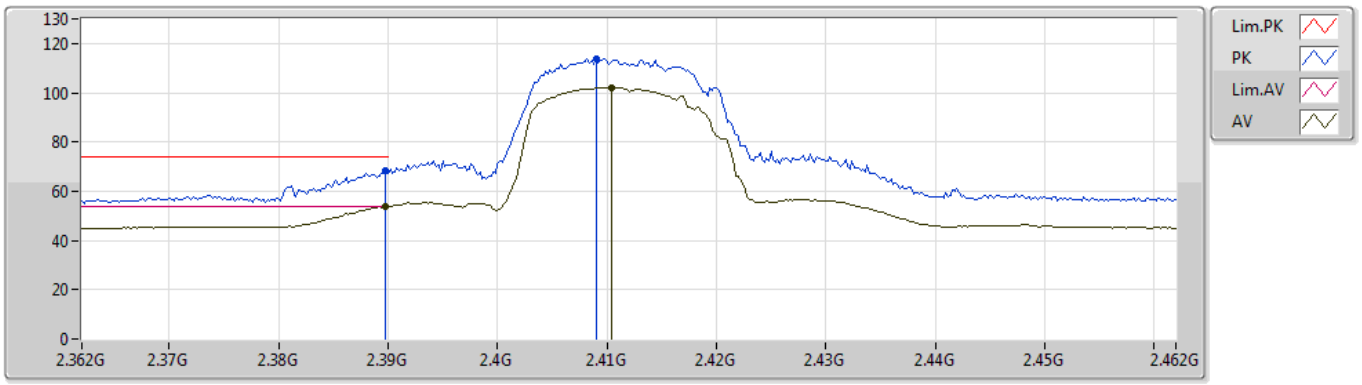
Summary

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-BF_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.94	54.00	-0.06	31.93	3	Vertical	179	2.29	-

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

04/11/2019



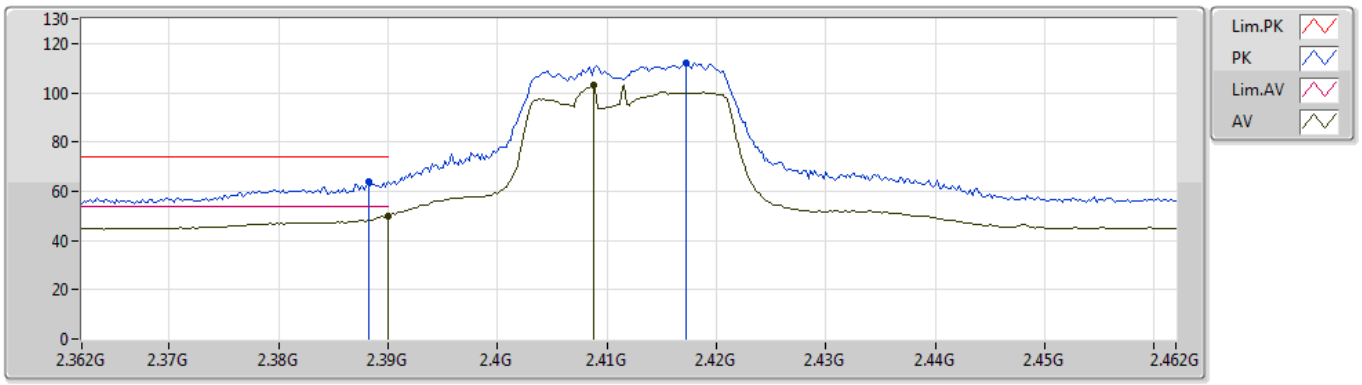
EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	68.17	74.00	-5.83	31.93	3	Vertical	179	2.29	-	36.24
AV	2.3898G	53.94	54.00	-0.06	31.93	3	Vertical	179	2.29	-	22.01
PK	2.409G	113.74	Inf	-Inf	31.99	3	Vertical	179	2.29	-	81.75
AV	2.4104G	102.21	Inf	-Inf	32.00	3	Vertical	179	2.29	-	70.21

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

04/11/2019



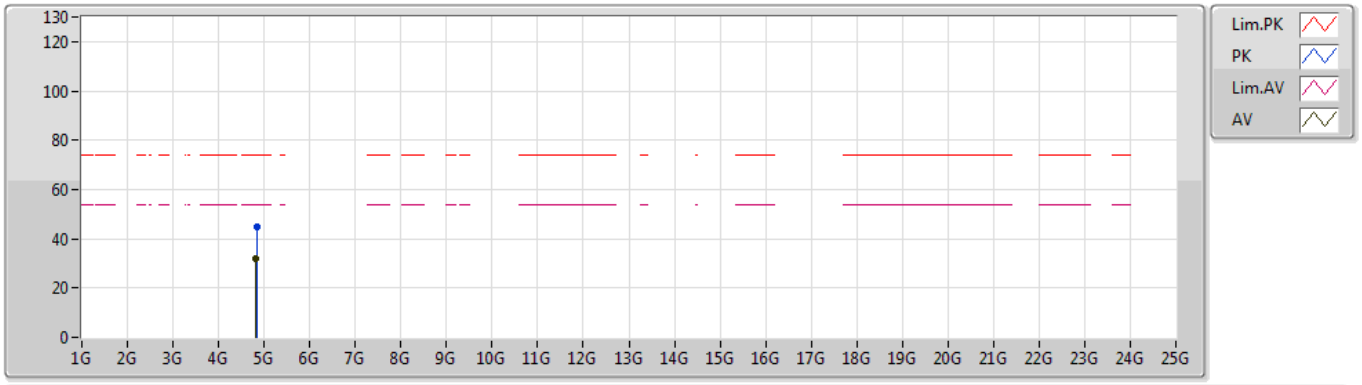
EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3882G	63.96	74.00	-10.04	31.93	3	Horizontal	258	1.48	-	32.03
AV	2.39G	49.90	54.00	-4.10	31.93	3	Horizontal	258	1.48	-	17.97
PK	2.4172G	111.84	Inf	-Inf	32.02	3	Horizontal	258	1.48	-	79.82
AV	2.4088G	103.36	Inf	-Inf	31.99	3	Horizontal	258	1.48	-	71.37

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

06/11/2019



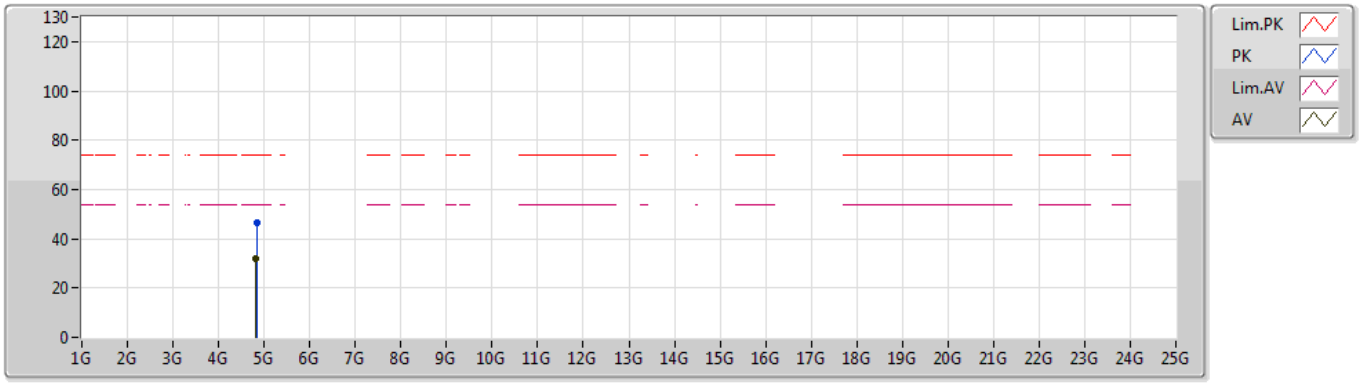
EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.83804G	44.98	74.00	-29.02	4.74	3	Vertical	65	2.09	-	40.24
AV	4.81494G	31.83	54.00	-22.17	4.69	3	Vertical	65	2.09	-	27.14

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

06/11/2019



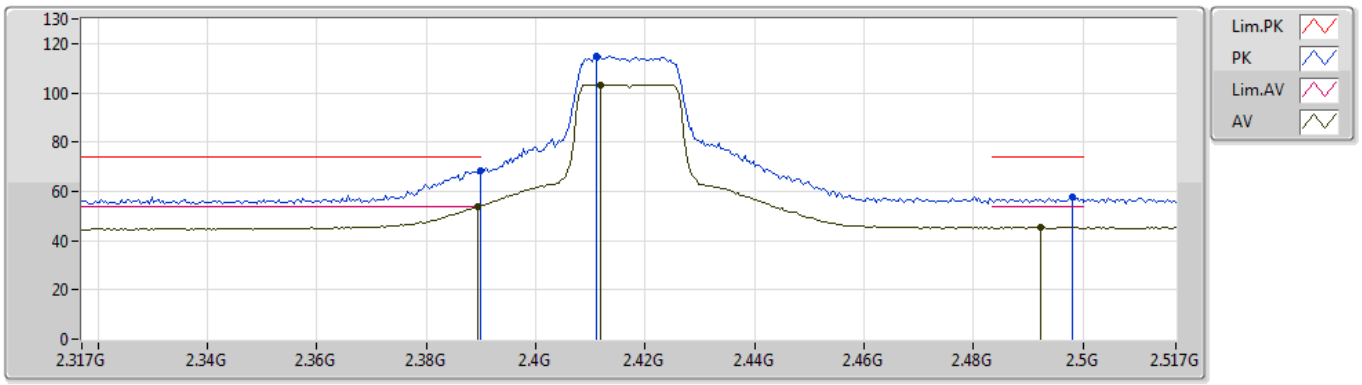
EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.83762G	46.41	74.00	-27.59	4.74	3	Horizontal	33	2.06	-	41.67
AV	4.82382G	31.74	54.00	-22.26	4.71	3	Horizontal	33	2.06	-	27.03

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

04/11/2019



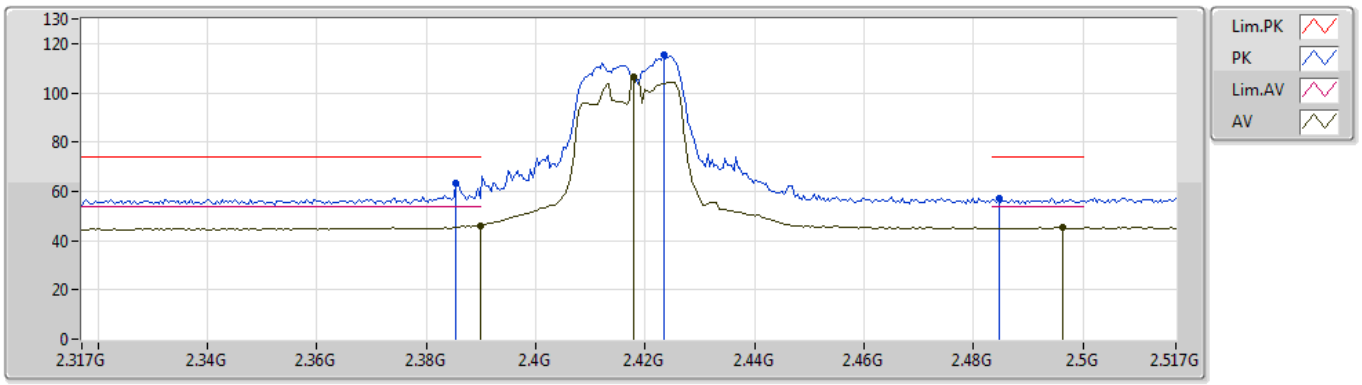
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3898G	68.51	74.00	-5.49	31.93	3	Vertical	178	2.31	-	36.58
AV	2.3894G	53.62	54.00	-0.38	31.93	3	Vertical	178	2.31	-	21.69
PK	2.411G	114.84	Inf	-Inf	32.00	3	Vertical	178	2.31	-	82.84
AV	2.4118G	103.33	Inf	-Inf	32.01	3	Vertical	178	2.31	-	71.32
PK	2.4982G	57.64	74.00	-16.36	32.30	3	Vertical	178	2.31	-	25.34
AV	2.4922G	45.39	54.00	-8.61	32.29	3	Vertical	178	2.31	-	13.10

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

04/11/2019



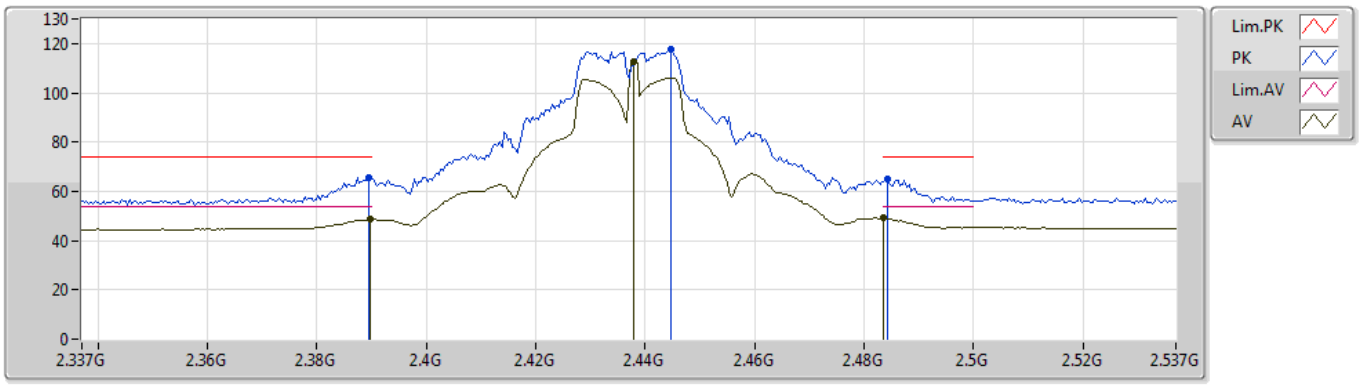
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3854G	63.32	74.00	-10.68	31.92	3	Horizontal	258	1.49	-	31.40
AV	2.3898G	46.20	54.00	-7.80	31.93	3	Horizontal	258	1.49	-	14.27
PK	2.4234G	115.70	Inf	-Inf	32.04	3	Horizontal	258	1.49	-	83.66
AV	2.4178G	106.20	Inf	-Inf	32.02	3	Horizontal	258	1.49	-	74.18
PK	2.4846G	57.09	74.00	-16.91	32.25	3	Horizontal	258	1.49	-	24.84
AV	2.4962G	45.32	54.00	-8.68	32.30	3	Horizontal	258	1.49	-	13.02

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



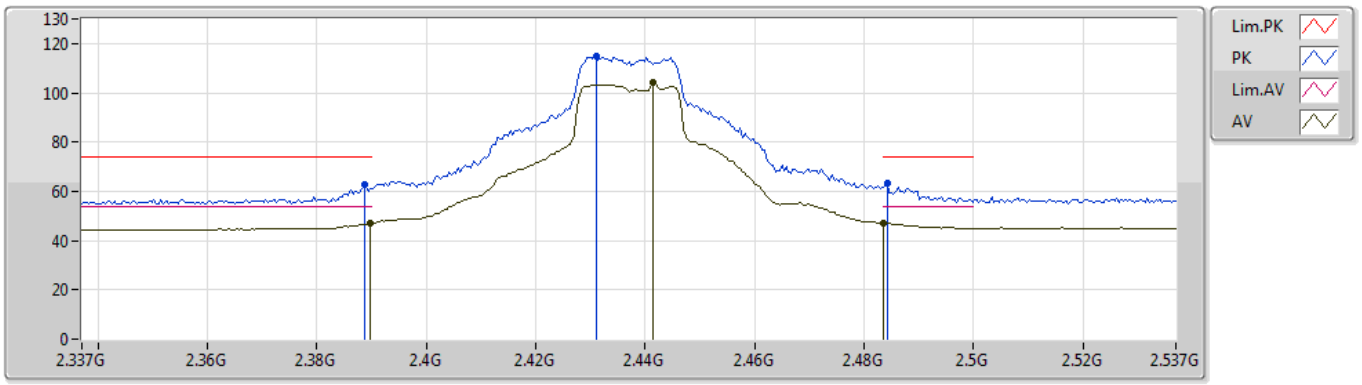
EUT Z_2TX
Setting 26
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3894G	65.46	74.00	-8.54	31.93	3	Vertical	181	2.50	-	33.53
AV	2.3898G	48.71	54.00	-5.29	31.93	3	Vertical	181	2.50	-	16.78
PK	2.4446G	117.82	Inf	-Inf	32.11	3	Vertical	181	2.50	-	85.71
AV	2.4378G	112.76	Inf	-Inf	32.09	3	Vertical	181	2.50	-	80.67
PK	2.4842G	64.86	74.00	-9.14	32.25	3	Vertical	181	2.50	-	32.61
AV	2.4835G	49.05	54.00	-4.95	32.25	3	Vertical	181	2.50	-	16.80

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



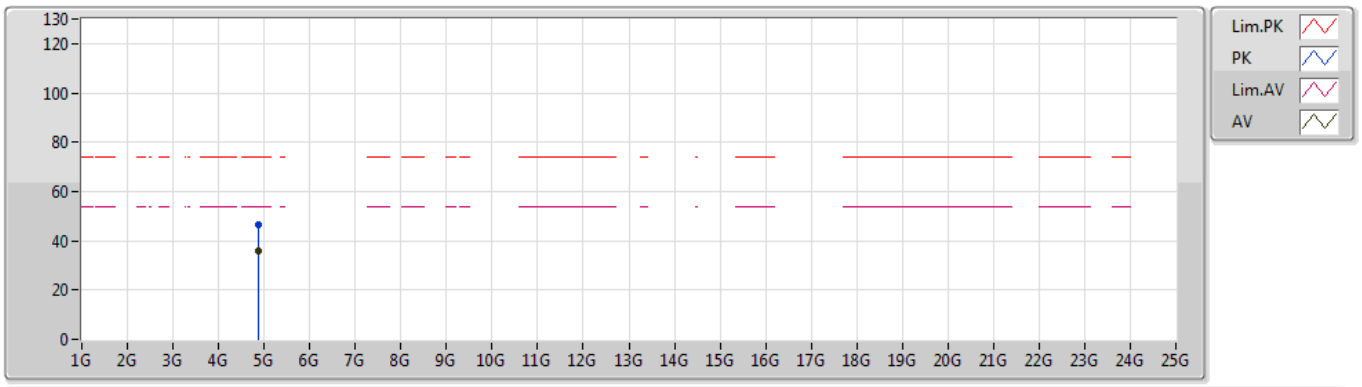
EUT Z_2TX
Setting 26
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3886G	62.55	74.00	-11.45	31.93	3	Horizontal	276	1.06	-	30.62
AV	2.3898G	46.89	54.00	-7.11	31.93	3	Horizontal	276	1.06	-	14.96
PK	2.431G	115.02	Inf	-Inf	32.07	3	Horizontal	276	1.06	-	82.95
AV	2.4414G	104.28	Inf	-Inf	32.10	3	Horizontal	276	1.06	-	72.18
PK	2.4842G	63.21	74.00	-10.79	32.25	3	Horizontal	276	1.06	-	30.96
AV	2.4835G	46.97	54.00	-7.03	32.25	3	Horizontal	276	1.06	-	14.72

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



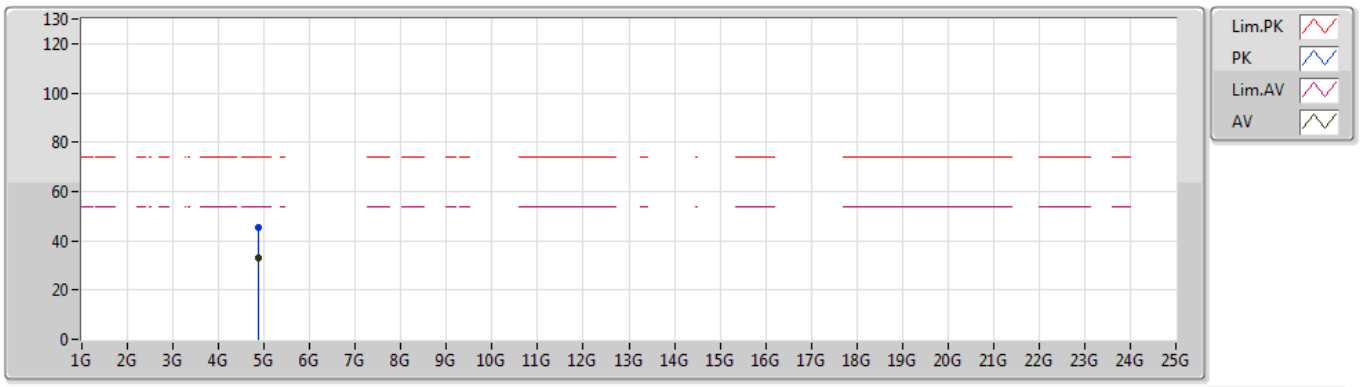
EUT Z_2TX
Setting 26
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87417G	46.40	74.00	-27.60	4.80	3	Vertical	253	2.94	-	41.60
AV	4.87388G	35.72	54.00	-18.28	4.80	3	Vertical	253	2.94	-	30.92

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



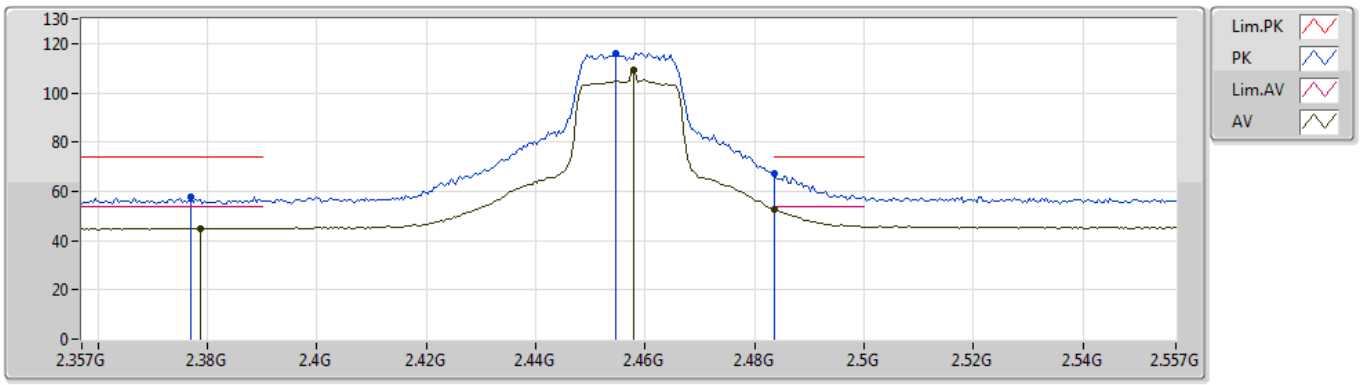
EUT Z_2TX
Setting 26
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.8752G	45.24	74.00	-28.76	4.80	3	Horizontal	83	2.37	-	40.44
AV	4.87399G	32.83	54.00	-21.17	4.80	3	Horizontal	83	2.37	-	28.03

VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

04/11/2019



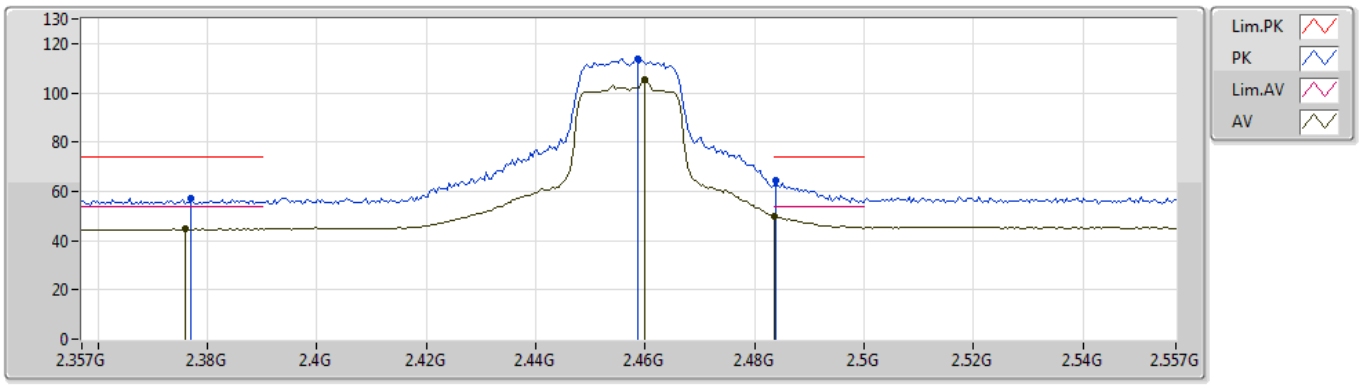
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.377G	57.84	74.00	-16.16	31.89	3	Vertical	181	2.49	-	25.95
AV	2.3786G	45.02	54.00	-8.98	31.90	3	Vertical	181	2.49	-	13.12
PK	2.4546G	115.99	Inf	-Inf	32.15	3	Vertical	181	2.49	-	83.84
AV	2.4578G	109.46	Inf	-Inf	32.16	3	Vertical	181	2.49	-	77.30
PK	2.4835G	67.15	74.00	-6.85	32.25	3	Vertical	181	2.49	-	34.90
AV	2.4835G	52.79	54.00	-1.21	32.25	3	Vertical	181	2.49	-	20.54

VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

04/11/2019



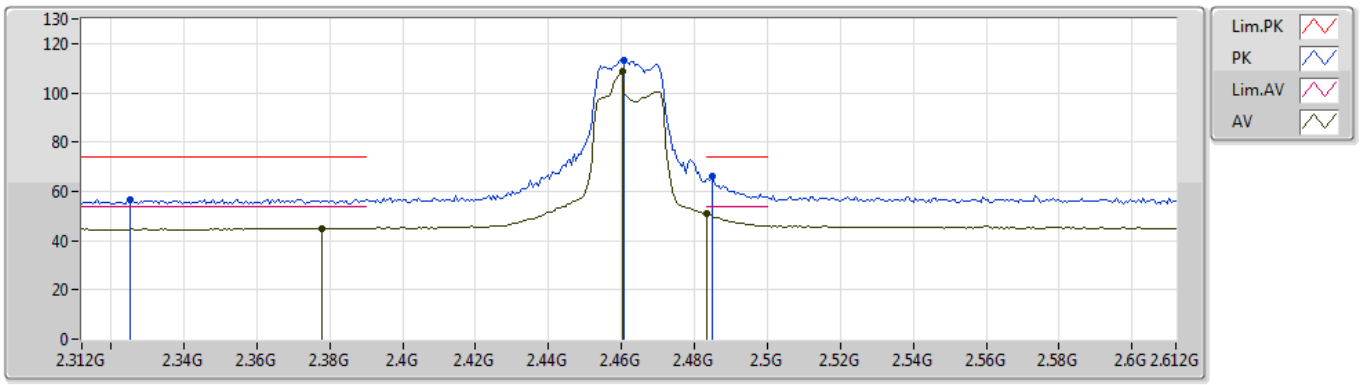
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.377G	57.26	74.00	-16.74	31.89	3	Horizontal	275	1.40	-	25.37
AV	2.3758G	44.68	54.00	-9.32	31.89	3	Horizontal	275	1.40	-	12.79
PK	2.4586G	113.80	Inf	-Inf	32.17	3	Horizontal	275	1.40	-	81.63
AV	2.4598G	105.46	Inf	-Inf	32.17	3	Horizontal	275	1.40	-	73.29
PK	2.4838G	64.68	74.00	-9.32	32.25	3	Horizontal	275	1.40	-	32.43
AV	2.4835G	49.84	54.00	-4.16	32.25	3	Horizontal	275	1.40	-	17.59

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

04/11/2019



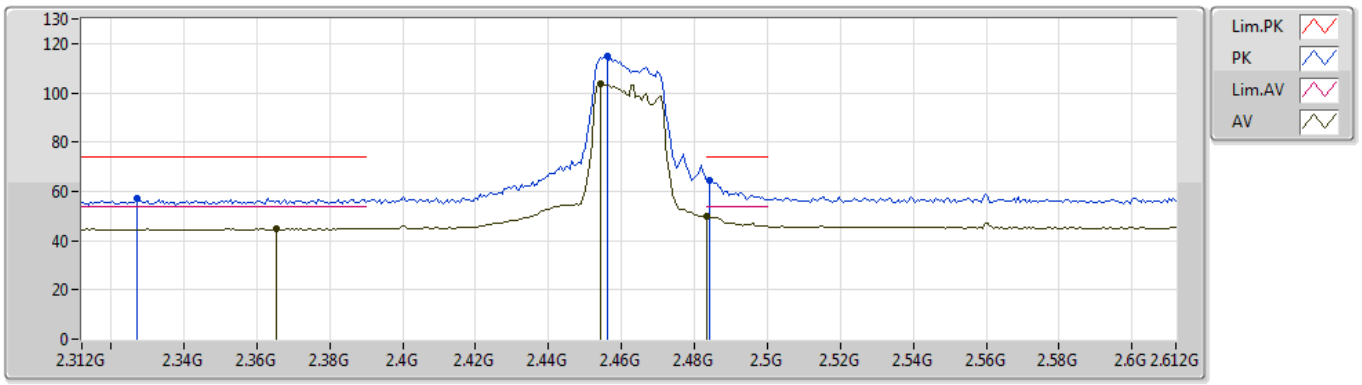
EUT Z_2TX
Setting 20.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3252G	56.81	74.00	-17.19	31.75	3	Vertical	177	2.07	-	25.06
AV	2.378G	44.91	54.00	-9.09	31.90	3	Vertical	177	2.07	-	13.01
PK	2.4608G	113.07	Inf	-Inf	32.17	3	Vertical	177	2.07	-	80.90
AV	2.4602G	108.67	Inf	-Inf	32.17	3	Vertical	177	2.07	-	76.50
PK	2.4848G	66.20	74.00	-7.80	32.25	3	Vertical	177	2.07	-	33.95
AV	2.4835G	50.82	54.00	-3.18	32.25	3	Vertical	177	2.07	-	18.57

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

04/11/2019



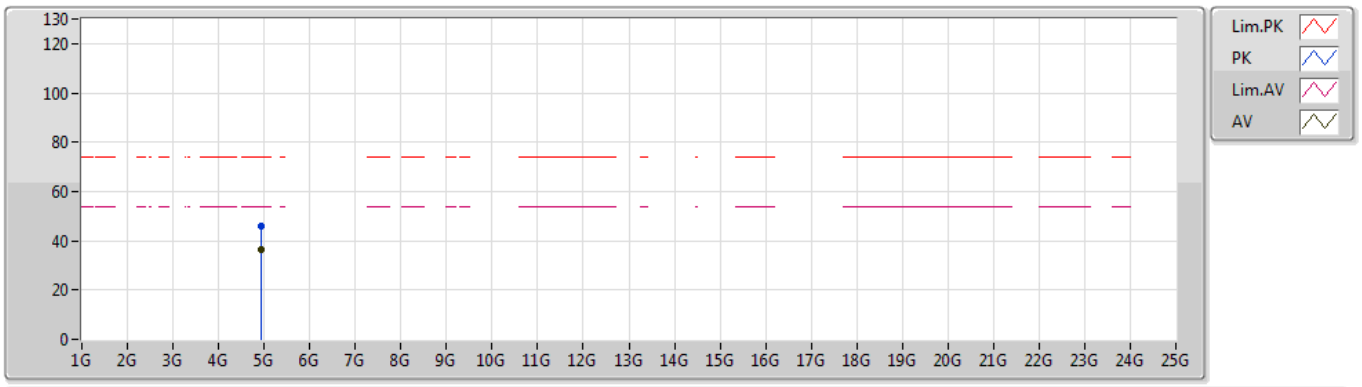
EUT Z_2TX
Setting 20.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.327G	57.40	74.00	-16.60	31.75	3	Horizontal	257	1.45	-	25.65
AV	2.3654G	44.75	54.00	-9.25	31.86	3	Horizontal	257	1.45	-	12.89
PK	2.456G	114.64	Inf	-Inf	32.16	3	Horizontal	257	1.45	-	82.48
AV	2.4542G	103.61	Inf	-Inf	32.15	3	Horizontal	257	1.45	-	71.46
PK	2.4842G	64.17	74.00	-9.83	32.25	3	Horizontal	257	1.45	-	31.92
AV	2.4835G	49.89	54.00	-4.11	32.25	3	Horizontal	257	1.45	-	17.64

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

04/11/2019



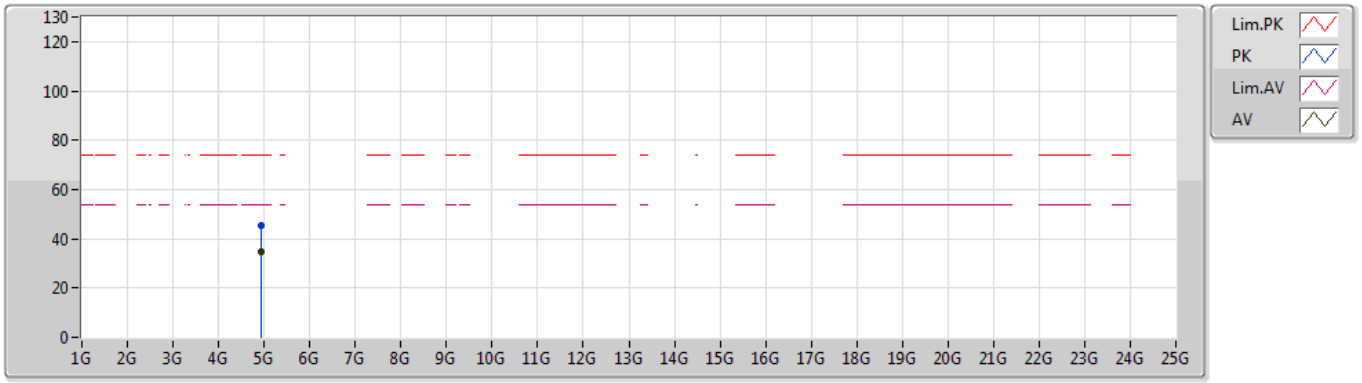
EUT Z_2TX
Setting 20.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.92395G	46.00	74.00	-28.00	4.90	3	Vertical	276	2.91	-	41.10
AV	4.92399G	36.39	54.00	-17.61	4.90	3	Vertical	276	2.91	-	31.49

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

04/11/2019



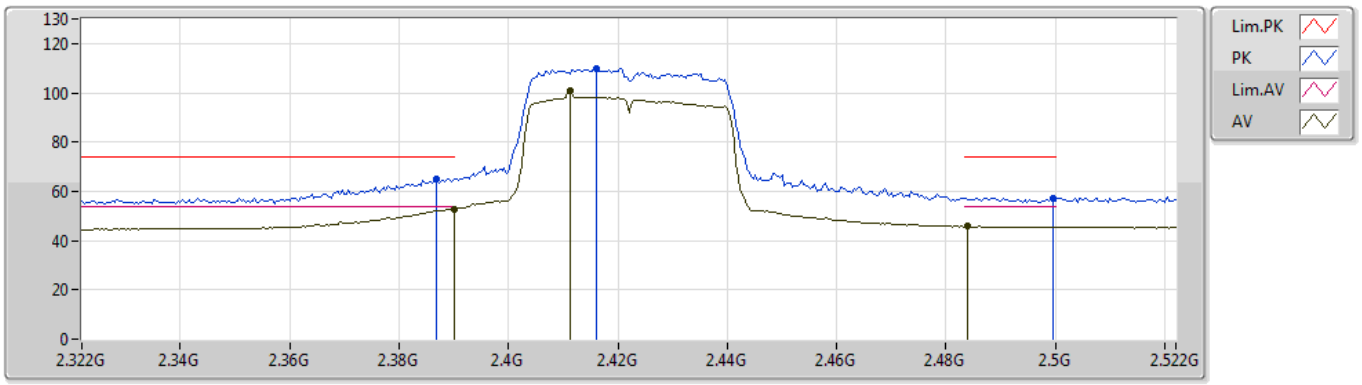
EUT Z_2TX
Setting 20.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.9244G	45.53	74.00	-28.47	4.90	3	Horizontal	313	2.69	-	40.63
AV	4.92401G	34.81	54.00	-19.19	4.90	3	Horizontal	313	2.69	-	29.91

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

04/11/2019



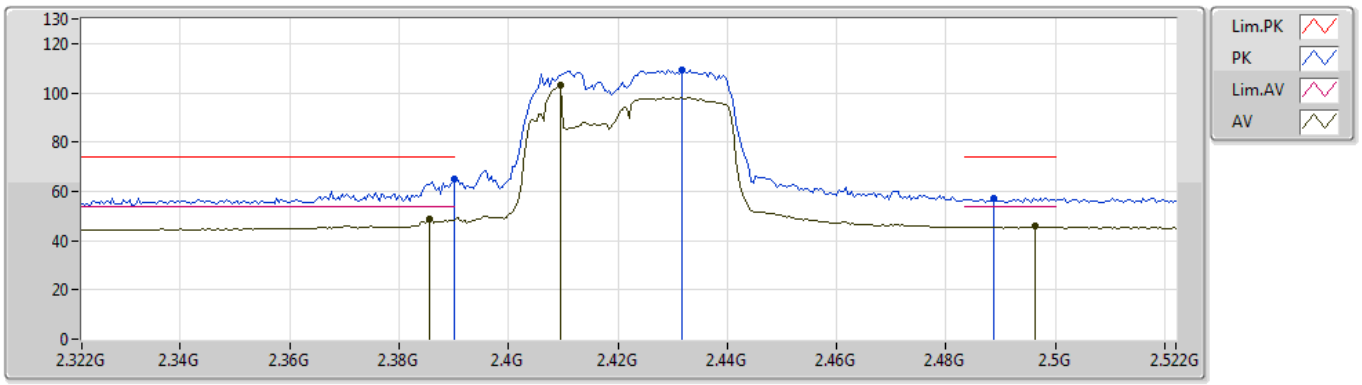
EUT Z_2TX
Setting 19.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3868G	65.05	74.00	-8.95	31.92	3	Vertical	178	1.50	-	33.13
AV	2.39G	52.80	54.00	-1.20	31.93	3	Vertical	178	1.50	-	20.87
PK	2.416G	110.03	Inf	-Inf	32.02	3	Vertical	178	1.50	-	78.01
AV	2.4112G	100.60	Inf	-Inf	32.00	3	Vertical	178	1.50	-	68.60
PK	2.4996G	57.41	74.00	-16.59	32.31	3	Vertical	178	1.50	-	25.10
AV	2.484G	45.72	54.00	-8.28	32.25	3	Vertical	178	1.50	-	13.47

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

04/11/2019



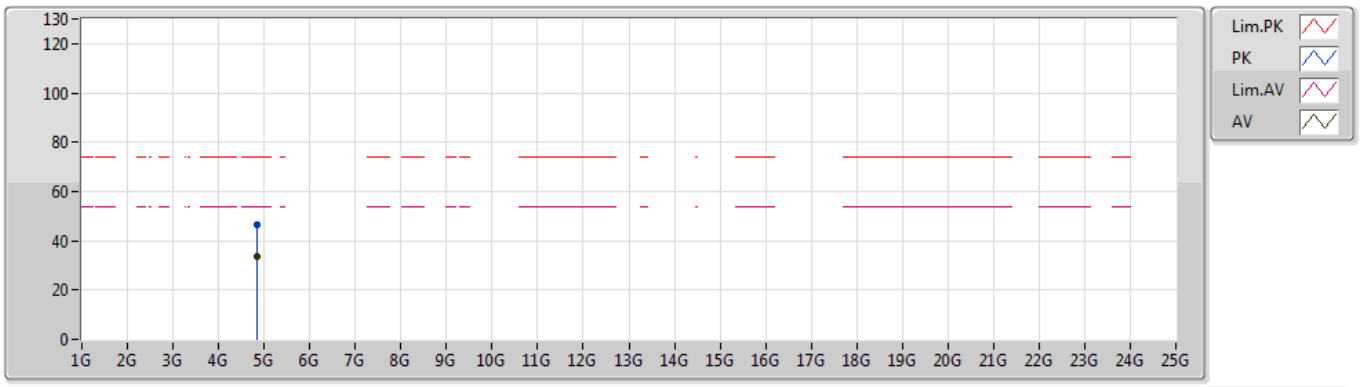
EUT Z_2TX
Setting 19.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.39G	64.76	74.00	-9.24	31.93	3	Horizontal	260	1.85	-	32.83
AV	2.3856G	48.73	54.00	-5.27	31.92	3	Horizontal	260	1.85	-	16.81
PK	2.4316G	109.29	Inf	-Inf	32.07	3	Horizontal	260	1.85	-	77.22
AV	2.4096G	102.86	Inf	-Inf	31.99	3	Horizontal	260	1.85	-	70.87
PK	2.4888G	57.21	74.00	-16.79	32.27	3	Horizontal	260	1.85	-	24.94
AV	2.4964G	45.68	54.00	-8.32	32.30	3	Horizontal	260	1.85	-	13.38

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

04/11/2019



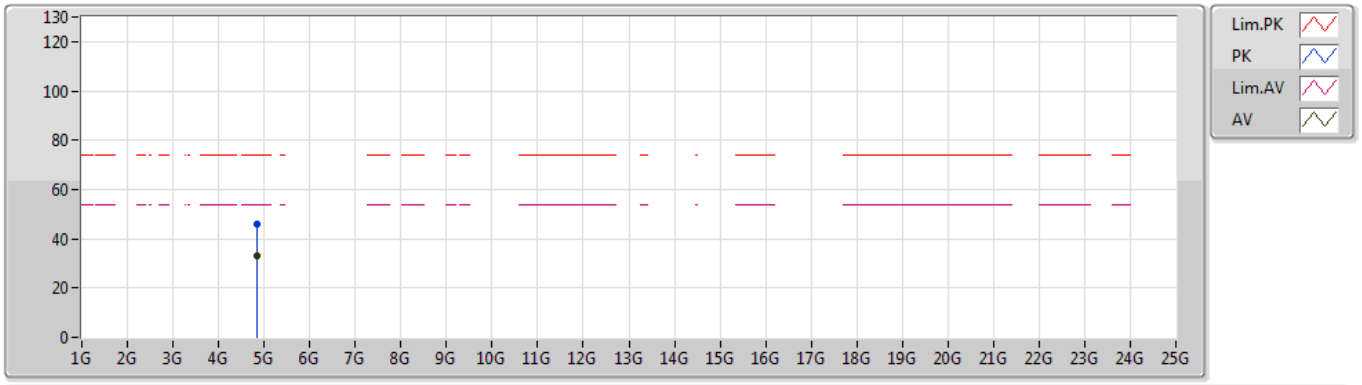
EUT Z_2TX
Setting 19.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.84221G	46.44	74.00	-27.56	4.74	3	Vertical	86	2.26	-	41.70
AV	4.84401G	33.80	54.00	-20.20	4.75	3	Vertical	86	2.26	-	29.05

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

04/11/2019



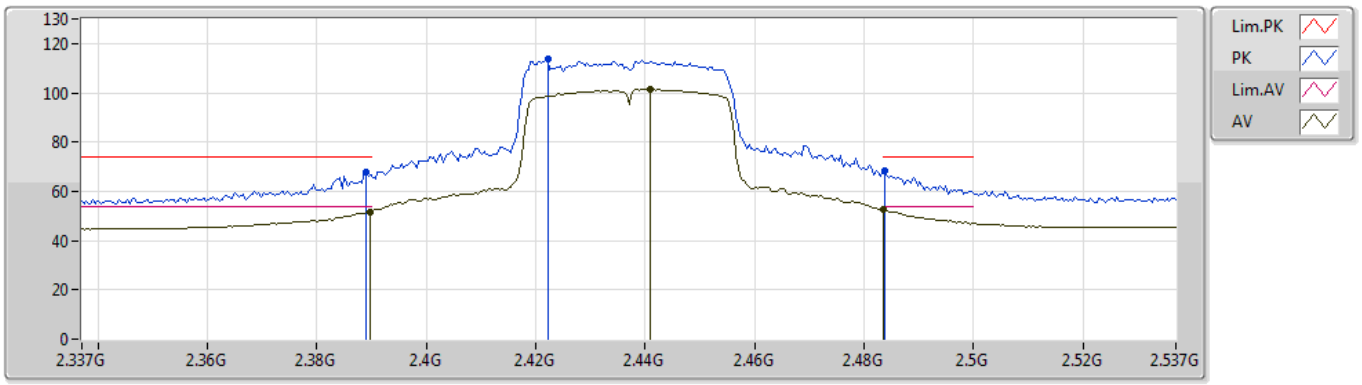
EUT Z_2TX
Setting 19.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.8436G	46.15	74.00	-27.85	4.75	3	Horizontal	32	2.21	-	41.40
AV	4.84381G	32.92	54.00	-21.08	4.75	3	Horizontal	32	2.21	-	28.17

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



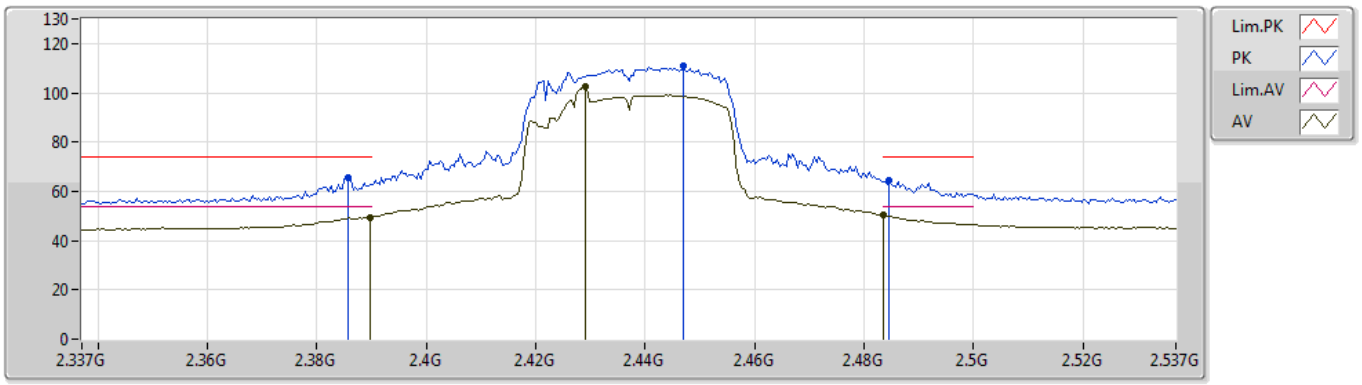
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.389G	68.04	74.00	-5.96	31.93	3	Vertical	179	2.00	-	36.11
AV	2.3898G	51.82	54.00	-2.18	31.93	3	Vertical	179	2.00	-	19.89
PK	2.4222G	113.58	Inf	-Inf	32.04	3	Vertical	179	2.00	-	81.54
AV	2.441G	101.55	Inf	-Inf	32.10	3	Vertical	179	2.00	-	69.45
PK	2.4838G	68.41	74.00	-5.59	32.25	3	Vertical	179	2.00	-	36.16
AV	2.4835G	52.70	54.00	-1.30	32.25	3	Vertical	179	2.00	-	20.45

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



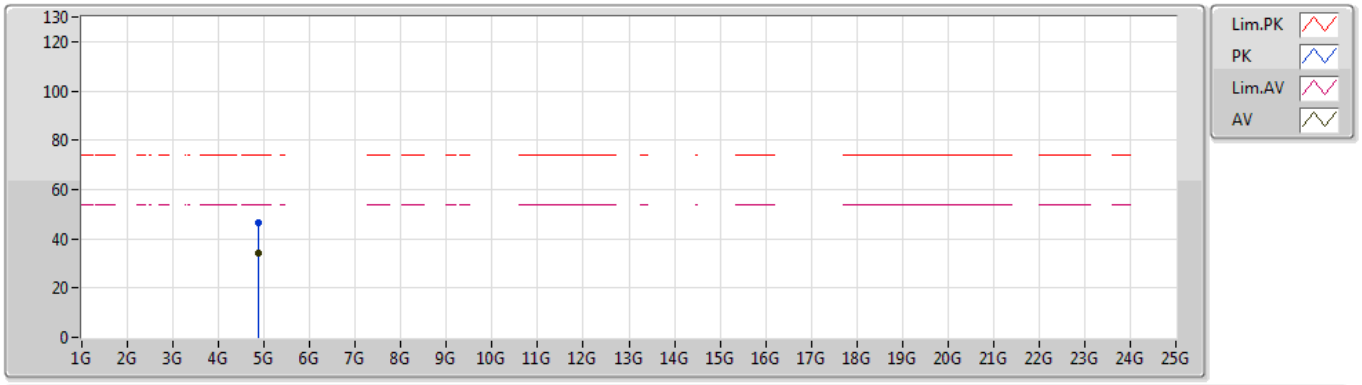
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3858G	65.37	74.00	-8.63	31.92	3	Horizontal	250	1.99	-	33.45
AV	2.3898G	49.57	54.00	-4.43	31.93	3	Horizontal	250	1.99	-	17.64
PK	2.447G	111.05	Inf	-Inf	32.12	3	Horizontal	250	1.99	-	78.93
AV	2.429G	102.28	Inf	-Inf	32.06	3	Horizontal	250	1.99	-	70.22
PK	2.4846G	64.24	74.00	-9.76	32.25	3	Horizontal	250	1.99	-	31.99
AV	2.4835G	50.33	54.00	-3.67	32.25	3	Horizontal	250	1.99	-	18.08

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



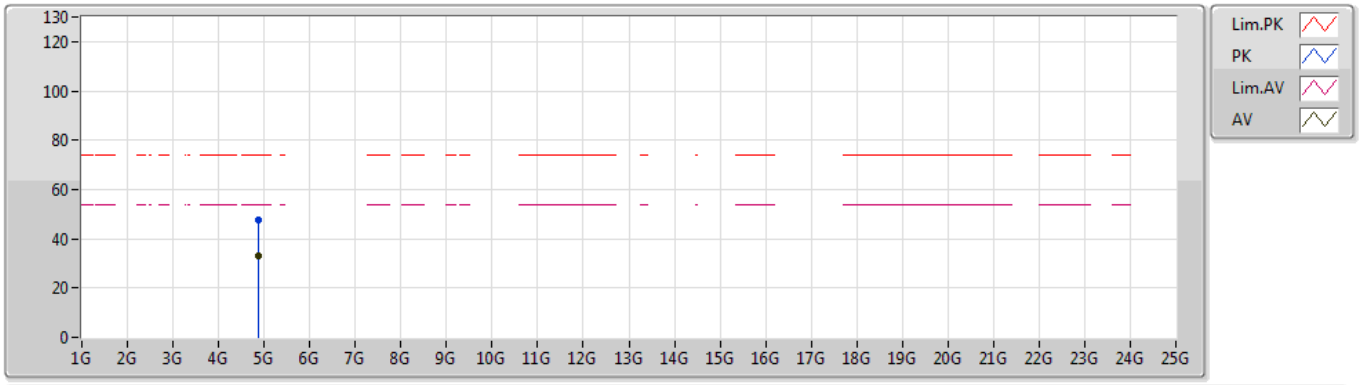
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87399G	46.58	74.00	-27.42	4.80	3	Vertical	183	2.54	-	41.78
AV	4.87397G	34.09	54.00	-19.91	4.80	3	Vertical	183	2.54	-	29.29

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

04/11/2019



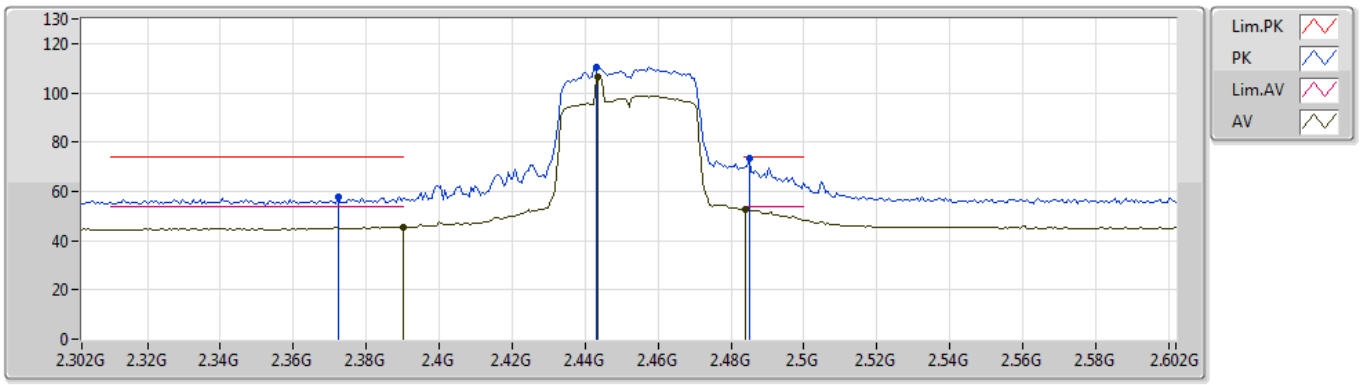
EUT Z_2TX
Setting 21.5
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.87404G	47.35	74.00	-26.65	4.80	3	Horizontal	35	1.37	-	42.55
AV	4.87393G	33.21	54.00	-20.79	4.80	3	Horizontal	35	1.37	-	28.41

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

04/11/2019



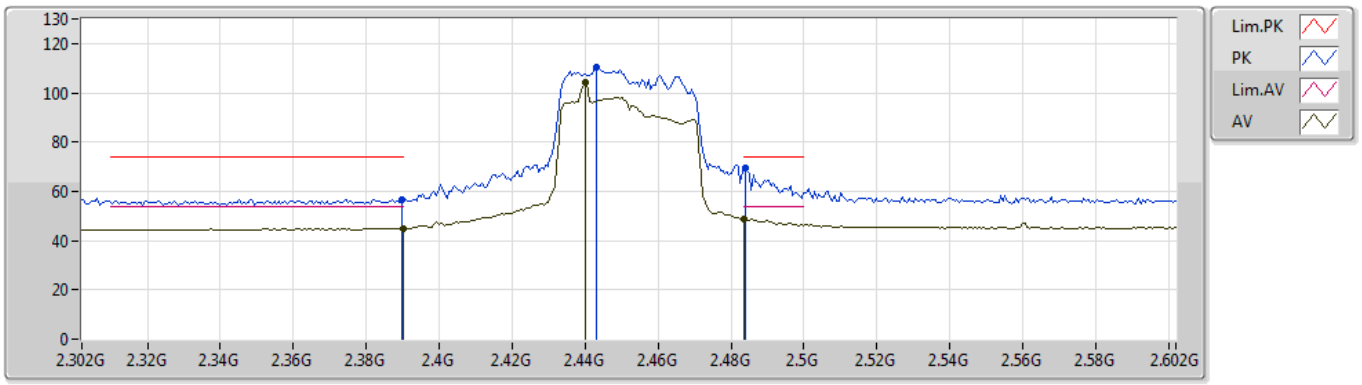
EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3722G	57.80	74.00	-16.20	31.88	3	Vertical	108	1.60	-	25.92
AV	2.39G	45.45	54.00	-8.55	31.93	3	Vertical	108	1.60	-	13.52
PK	2.443G	110.63	Inf	-Inf	32.11	3	Vertical	108	1.60	-	78.52
AV	2.4436G	106.66	Inf	-Inf	32.11	3	Vertical	108	1.60	-	74.55
PK	2.485G	73.50	74.00	-0.50	32.26	3	Vertical	108	1.60	-	41.24
AV	2.4838G	52.93	54.00	-1.07	32.25	3	Vertical	108	1.60	-	20.68

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

04/11/2019



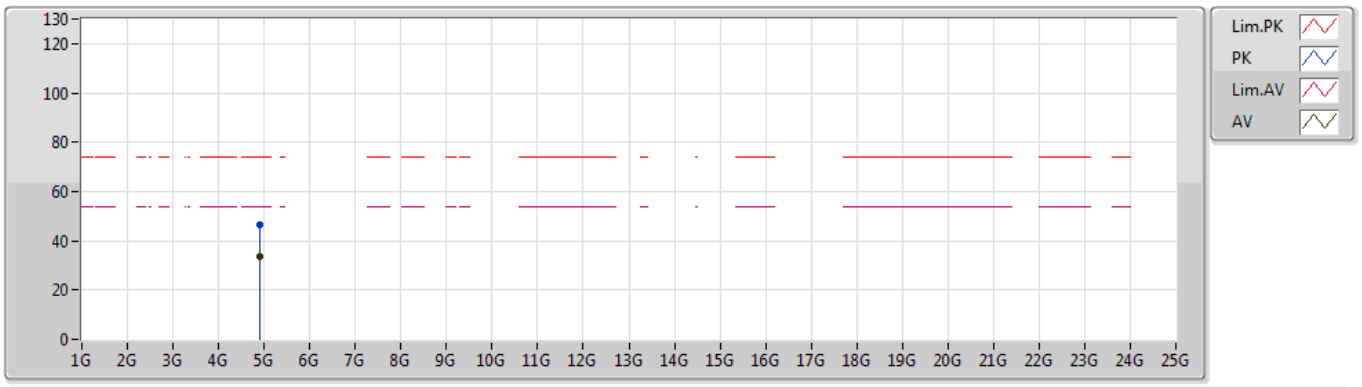
EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	2.3896G	56.71	74.00	-17.29	31.93	3	Horizontal	275	1.83	-	24.78
AV	2.39G	45.02	54.00	-8.98	31.93	3	Horizontal	275	1.83	-	13.09
PK	2.443G	110.17	Inf	-Inf	32.11	3	Horizontal	275	1.83	-	78.06
AV	2.44G	103.98	Inf	-Inf	32.10	3	Horizontal	275	1.83	-	71.88
PK	2.4838G	69.45	74.00	-4.55	32.25	3	Horizontal	275	1.83	-	37.20
AV	2.4835G	48.76	54.00	-5.24	32.25	3	Horizontal	275	1.83	-	16.51

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

04/11/2019



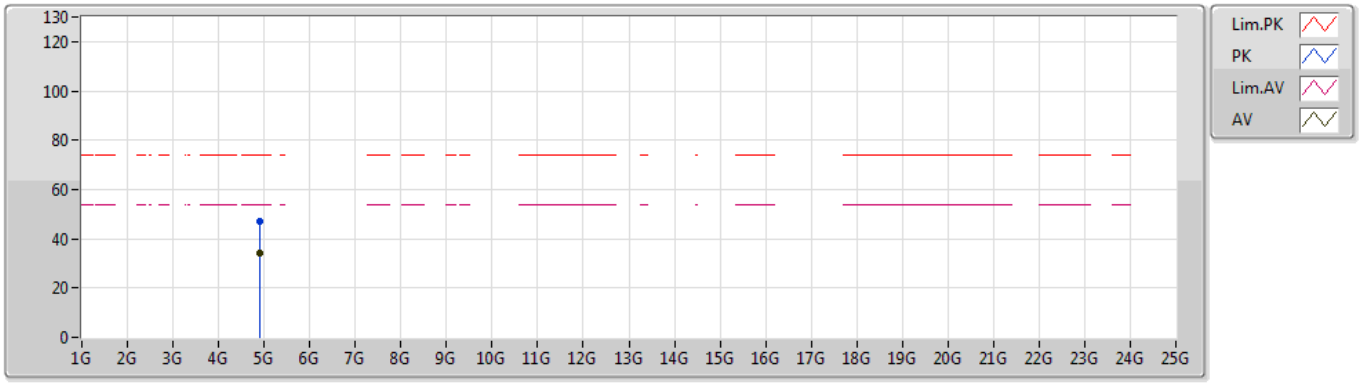
EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.90499G	46.72	74.00	-27.28	4.86	3	Vertical	290	2.90	-	41.86
AV	4.90406G	33.89	54.00	-20.11	4.86	3	Vertical	290	2.90	-	29.03

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

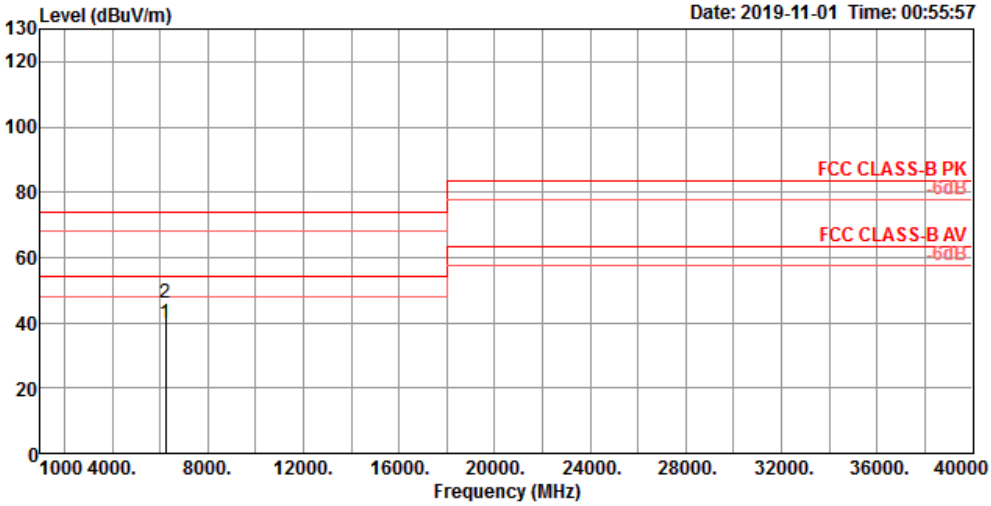
04/11/2019



EUT Z_2TX
Setting 20
03-A-3
FSP(100019)

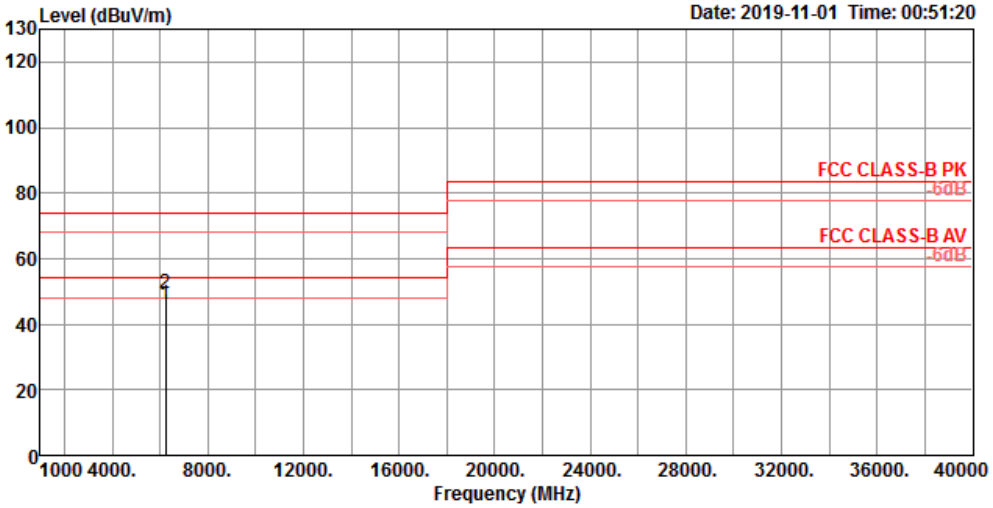
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	4.90639G	46.84	74.00	-27.16	4.86	3	Horizontal	48	2.91	-	41.98
AV	4.90395G	33.92	54.00	-20.08	4.86	3	Horizontal	48	2.91	-	29.06

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	6249.90	39.74	54.00	-14.26	36.27	6.13	32.90	35.56	196	271	Average	HORIZONTAL
2	6249.90	46.09	74.00	-27.91	42.62	6.13	32.90	35.56	196	271	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	6249.90	45.90	54.00	-8.10	42.43	6.13	32.90	35.56	100	176	Average	VERTICAL
2	6249.90	49.55	74.00	-24.45	46.08	6.13	32.90	35.56	100	176	Peak	VERTICAL