FCC RADIO TEST REPORT

FCC ID	:	MSQ-RTAX2D00
Equipment	:	Wireless AX6100 Tri Band Gigabit Router
Brand Name	:	ASUS
Model Name	:	RT-AX92U,RT-AX6100, RT-AX92P, RT-AX92R, RT-AX92A
Applicant	:	ASUSTeK COMPUTER INC. 4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan
Manufacturer (1)	:	Compal Networking (KunShan) Co., LTD. No. 520, Nanbang Rd., Economic & Technical Development Zone Kunshan, Jiangsu Province China
Manufacturer (2)	:	ASKEY TECHNOLOGY (JIANG SU) LTD NO1388, Jiao Tong Road, Wujiang Economic Technological Development Area Jiangsu Province 215200 China
Standard	:	47 CFR FCC Part 15.247

The product was received on Sep. 20, 2017, and testing was started from Jun. 11, 2018 and completed on Aug. 27, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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History of this test report

Report No.	Version	Description	Issued Date
FR791525AA	01	Initial issue of report	Sep. 03, 2018

Summary of Test Result

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

Reviewed by: Sam Chen
Report Producer: Cindy Peng

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), ac (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ac (VHT40)	2422-2452	3-9 [7]

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

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

For Radio 1 (2.4GHz) and Radio 2 (5GHz Band 1):

Ant.	Port	Brand	Model Name	Type	Connector	Un-correlated Gain (dBi)		Correlated Gain (dBi)	
						2.4GHz	5GHz Band 1	2.4GHz	5GHz Band 1
1	1	WHA YU	C660-510426-A	Dipole	I-PEX	1.77	2.00	4.71	4.93
2	2	WHA YU	C660-510427-A	Dipole	I-PEX	1.77	2.00	4.71	4.93

For Radio 3 (5GHz Band 3~Band 4):

Ant.	Port	Brand	Model Name	Type	Connector	Un-correlated Gain (dBi)	Correlated Gain (dBi)	
							4T1S	4T2S
3	1	WHA YU	C660-510428-A	Dipole	I-PEX	1.65	7.13	4.55
4	2	WHA YU	C660-510429-A	Dipole	I-PEX	1.65	7.13	4.55
5	3	WHA YU	C660-510430-A	Dipole	I-PEX	1.65	7.13	4.55
6	4	WHA YU	C660-510430-A	Dipole	I-PEX	1.65	7.13	4.55

Note: 1. The EUT has three Radios (Radio 1 supports 2.4GHz, Radio 2 supports 5GHz Band 1 and Radio 3 supports 5GHz Band 3~Band 4).
2. The EUT has six antennas.
For Radio 1 (2.4GHz) and Radio 2 (5GHz Band 1): <2TX/2RX>:
Port 1 and Port 2 will transmit/receive the same signal simultaneously.
For Radio 3 (5GHz Band 3~Band 4) <4TX/4RX>:
Port 1, Port 2, Port 3 and Port 4 will transmit/receive the same signal simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20-BF	0.946	0.241	3.835m	300
802.11ac VHT40	0.99	0.044	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40-BF	0.936	0.287	4.155m	300

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
	The product has beamforming function for 802.11n/ac in 2400-2483.5MHz, 802.11n/ac in 5150-5250MHz and 802.11n/ac/ax in 5470-5725MHz, 5725-5850MHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	accessMTool_3_0_0_7			

1.1.5 Table for Multiple Listing

1. The EUT has five model names which are identical to each other in all aspects except for the following table:

Model Name	Description
RT-AX92U	All the models are identical, the different model names served as marketing strategy.
RT-AX6100	
RT-AX92P	
RT-AX92R	
RT-AX92A	

From the above models, model: RT-AX92U was selected as representative model for the test and its data was recorded in this report.

2. The EUT has two SKU which are identical to each other in all aspects except for the following table:

SKU / Description	SKU 1	SKU 2
LAN port transformer (Brand Name/Model Name)	SWAPnet/NS773602	Mingtek/HN36201CG
WAN port transformer (Brand Name/Model Name)	SWAPnet/NS892402	BOTHHAND/GST5009W

Note: The SKU does not affect the test result of RF tests, so only SKU 1 was tested and recorded in this report.

1.2 Testing Applied Standards

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

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

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	Serway Li	22°C / 54%	Aug. 07, 2018~Aug. 21, 2018
Radiated	03CH01-CB	Lance Hsieh	25.6°C / 54%	Jun. 11, 2018~Aug. 27, 2018
AC Conduction	CO02-CB	Wei Li	26°C / 60%	Jul. 20, 2018~Jul. 21, 2018

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	102
2437MHz	101
2452MHz	101
2457MHz	100
2462MHz	94
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	81
2417MHz	94
2422MHz	99
2427MHz	103
2437MHz	104
2447MHz	104
2452MHz	97
2457MHz	91
2462MHz	75
802.11ac VHT20_Nss2,(MCS0)_2TX	-
2412MHz	75
2417MHz	93
2422MHz	99
2427MHz	103
2437MHz	104
2447MHz	104
2452MHz	98
2457MHz	92
2462MHz	74
802.11ac VHT40_Nss2,(MCS0)_2TX	-
2422MHz	69
2427MHz	72
2432MHz	76
2437MHz	83

Mode	PowerSetting
2442MHz	76
2447MHz	71
2452MHz	68
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	70
2417MHz	91
2422MHz	96
2427MHz	103
2437MHz	104
2447MHz	104
2452MHz	95
2457MHz	90
2462MHz	70
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	66
2427MHz	69
2432MHz	72
2437MHz	78
2442MHz	73
2447MHz	65
2452MHz	64

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 802.11n/ac in 2400-2483.5MHz, 802.11n/ac in 5150-5250MHz and 802.11n/ac/ax in 5470-5725MHz, 5725-5850MHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report for Nss1.

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	CTX
The output power of WLAN 5GHz Band 1 is higher than the WLAN 5GHz Band 3~Band 4, so it was selected to perform test and its test result was written in the report.	
1	CTX mode - SKU 1 + Adapter 1 (WLAN 2.4GHz)
2	CTX mode - SKU 1 + Adapter 1 (WLAN 5GHz Band 1)
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~5 will follow this same test mode.	
3	CTX mode - SKU 1 + Adapter 2 (WLAN 2.4GHz)
4	CTX mode - SKU 1 + Adapter 3 (WLAN 2.4GHz)
5	CTX mode - SKU 1 + Adapter 4 (WLAN 2.4GHz)
For operating mode 4 is the worst case and it was record in this test report.	

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

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	CTX
The output power of WLAN 5GHz Band 1 is higher than the WLAN 5GHz Band 3~Band 4, so it was selected to perform test and its test result was written in the report.	
1	CTX mode - SKU 1 + Adapter 1 (WLAN 2.4GHz)
2	CTX mode - SKU 1 + Adapter 1 (WLAN 5GHz Band 1)
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~5 will follow this same test mode.	
3	CTX mode - SKU 1 + Adapter 2 (WLAN 5GHz Band 1)
4	CTX mode - SKU 1 + Adapter 3 (WLAN 5GHz Band 1)
5	CTX mode - SKU 1 + Adapter 4 (WLAN 5GHz Band 1)
Mode 2 has been evaluated to be the worst case among Mode 1~5, thus measurement for Mode 6 will follow this same test mode.	
6	CTX mode - SKU 2 + Adapter 1 (WLAN 5GHz Band 1)
For operating mode 2 is the worst case and it was record in this test report.	
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
The EUT supports Master (AP Router, Extender and Mesh) and Client without radar detection functions. For customer's request, use the Master (AP Router) and Master (Mesh) for Normal Link. After evaluated, Master (AP Router) generated the worst test result, thus the measurement test will follow this same test configuration.	
1	Master (AP Router) - SKU 1 (WLAN 2.4GHz + WLAN 5GHz Band 1)
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 Band 1 + WLAN 5GHz Band 3~Band 4
Refer to Sporton Test Report No.: FA791525 for Co-location RF Exposure Evaluation.	

Note: The EUT only be used at Z axis.

2.3 EUT Operation during Test

For CTX Mode:

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated 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 DOS、LanTest20.
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					
No.	**Power**	**Brand**	**Model**	**Type**	**Rating**
1	Adapter 1	PI	AD890326	010-2LF	INPUT: 100-240V ~ 50/60Hz, 0.8A OUTPUT: 19V, 1.75A
2	Adapter 2	DELTA	ADP-33AW B	-	INPUT: 100-240V ~ 1A, 50-60Hz OUTPUT: 19V, 1.75A
3	Adapter 3	PI	AD2088320	010LF	INPUT: 100-240V ~ 50/60Hz, 0.8A OUTPUT: 19V, 1.75A
4	Adapter 4	DELTA	ADP-33AW Y	-	INPUT: 100-240V ~ 1A, 50-60Hz OUTPUT: 19V, 1.75A
No.	**Other**				
5	RJ-45 cable*1: Non-shielded, 1.5m				

Note: The adapter does not affect the test result of RF tests, so only adapter 1 was tested and recorded in this report.

2.5 Support Equipment

For Test Site No: CO02-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E6430	N/A
2	Flash disk3.0	Transcend	JetFlash-700	N/A
3	Flash disk	Kingston	DTSE9H	N/A

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

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

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

For non-beamforming mode:

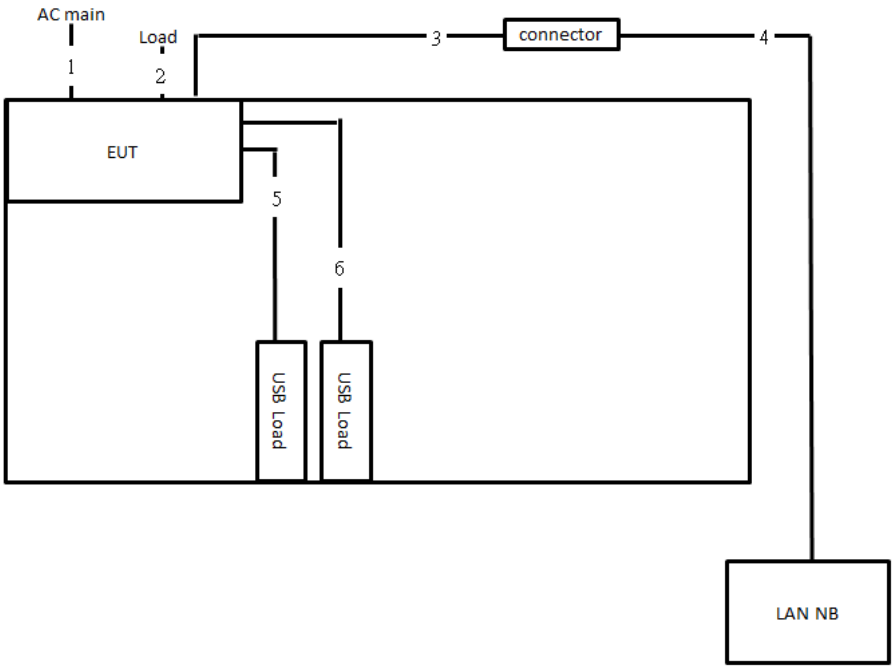
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	N/A

For beamforming mode:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	N/A
2	RX Device	ASUS	RT-AX88U	MSQ-RTAXHP00

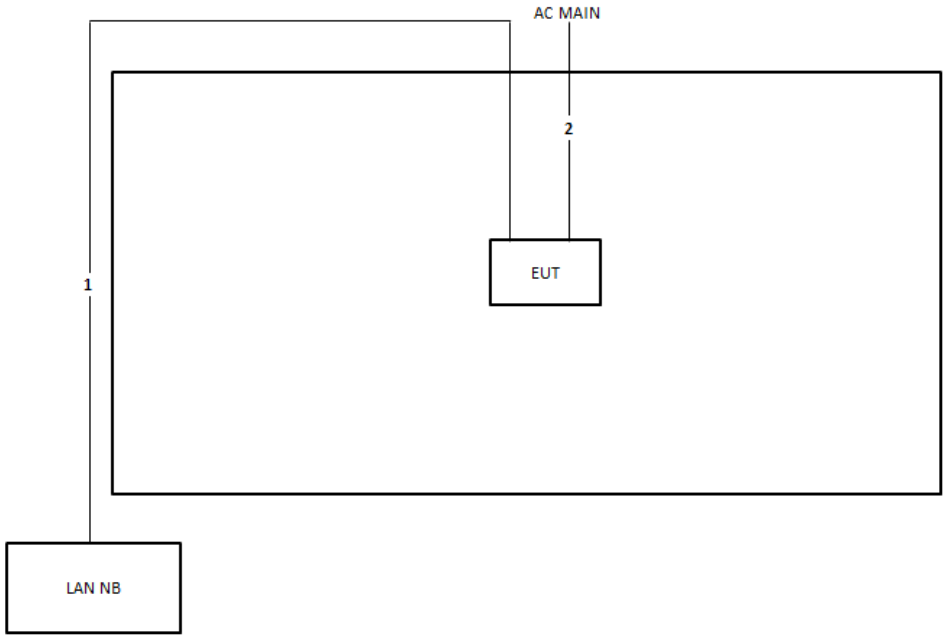
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2.2m
2	RJ-45 cable*4	No	1.5m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m
5	USB cable	Yes	1.5m
6	USB cable	Yes	1.5m

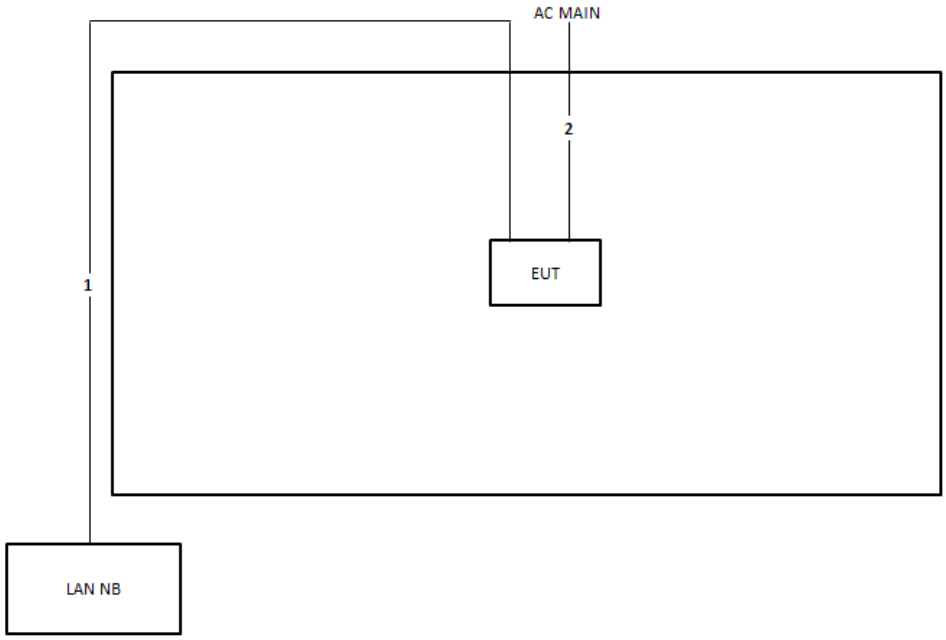
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m

Test Setup Diagram - Radiated Test > 1GHz

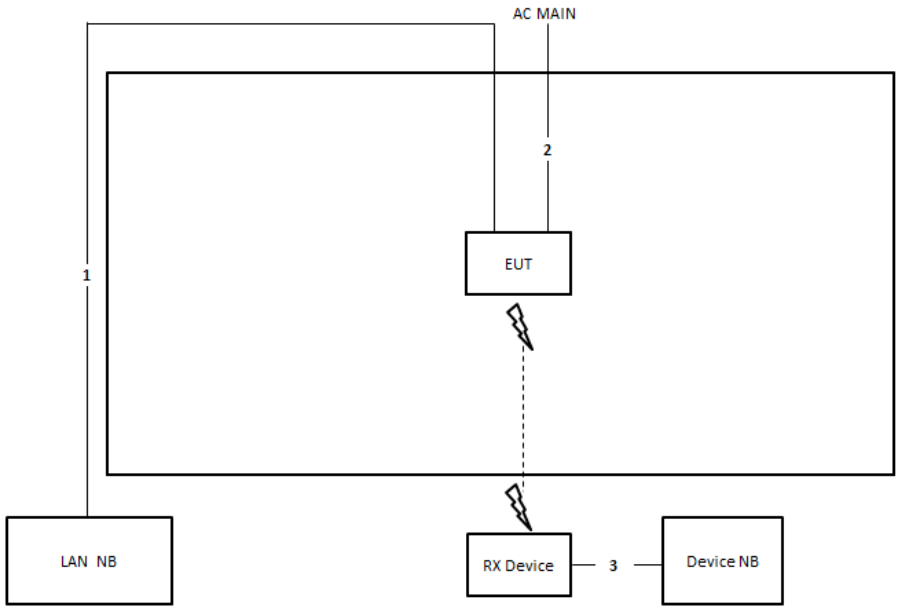
For non-beamforming mode:



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m

Test Setup Diagram - Radiated Test > 1GHz

For beamforming mode:



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.2m
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

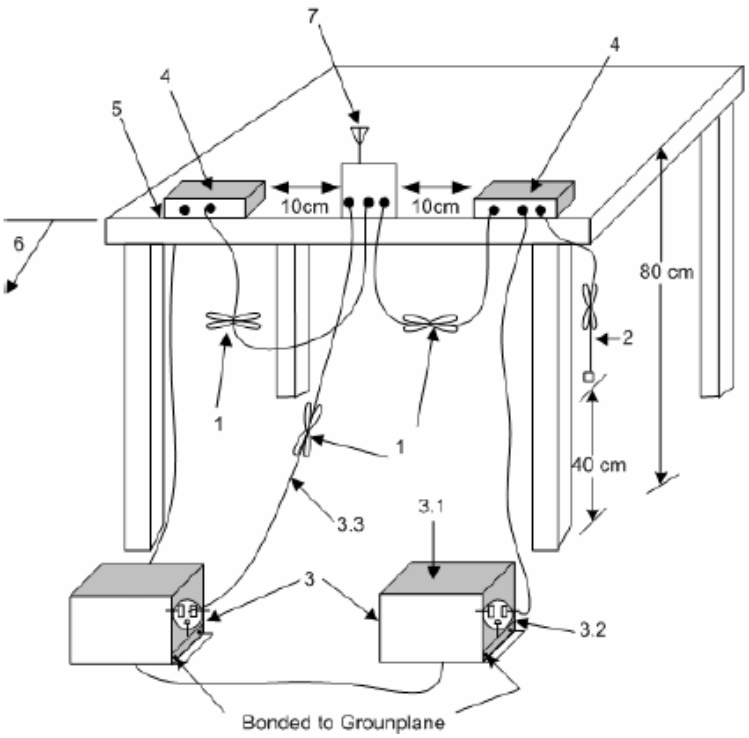
Refer a test equipment and calibration data table in this test report.

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

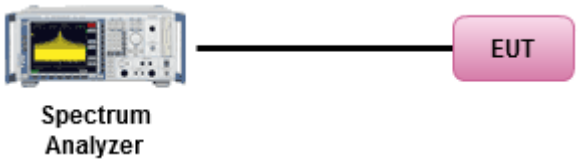
Refer a test equipment and calibration data table in this test report.

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 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 9.1.3 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	Measurement using a power meter (PM)
	☒ Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 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 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).	
	[duty cycle ≥ 98% or external video / power trigger]	
	☐ Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.4 Method AVGPSD-2 (slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☐ Refer as FCC KDB 558074, clause 10.5 Method AVGPSD-1 Alt (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density
 Spectrum Analyzer — EUT

3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dB)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

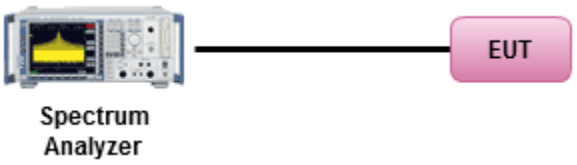
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

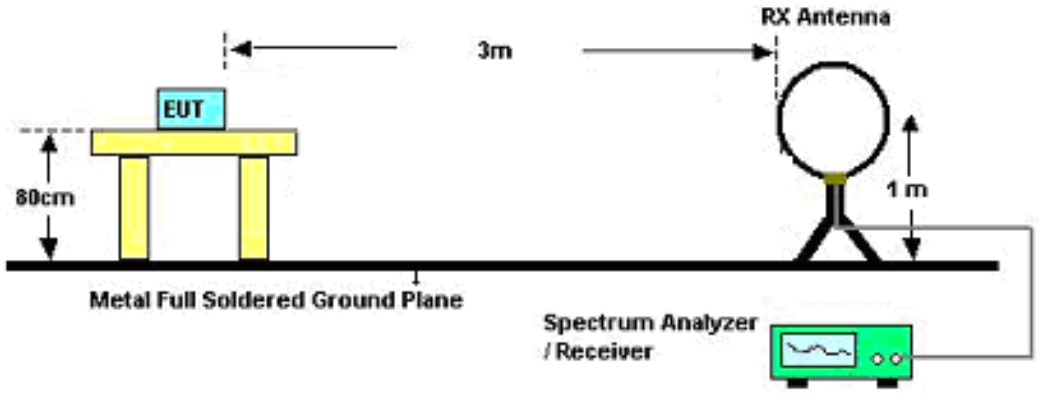
3.6.3 Test Procedures

Test Method		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ Refer as ANSI C63.10, clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)
		☐ Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
		☒ Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW≥1/T).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 558074, clause 12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.	
	▪ Refer as FCC KDB 558074, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.	
	▪ Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).	
▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.		
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB	
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.	

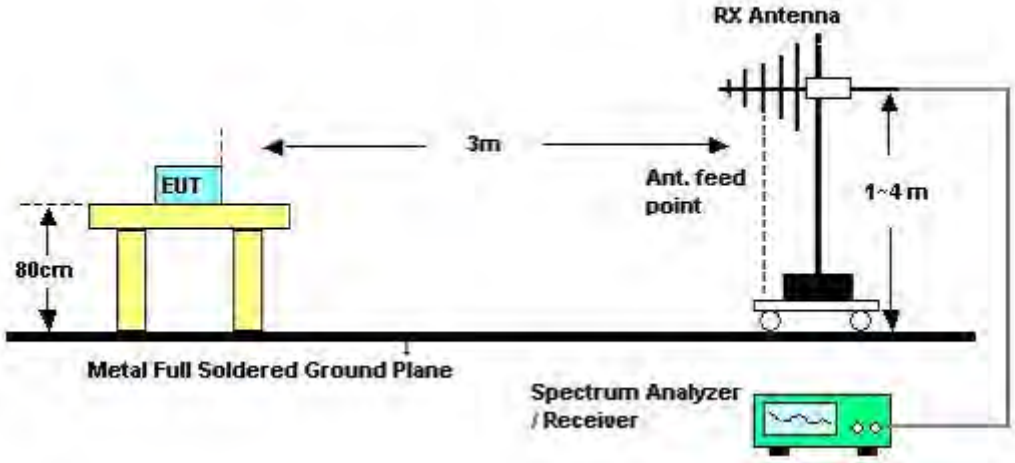
3.6.4 Test Setup

Transmitter Radiated Emissions

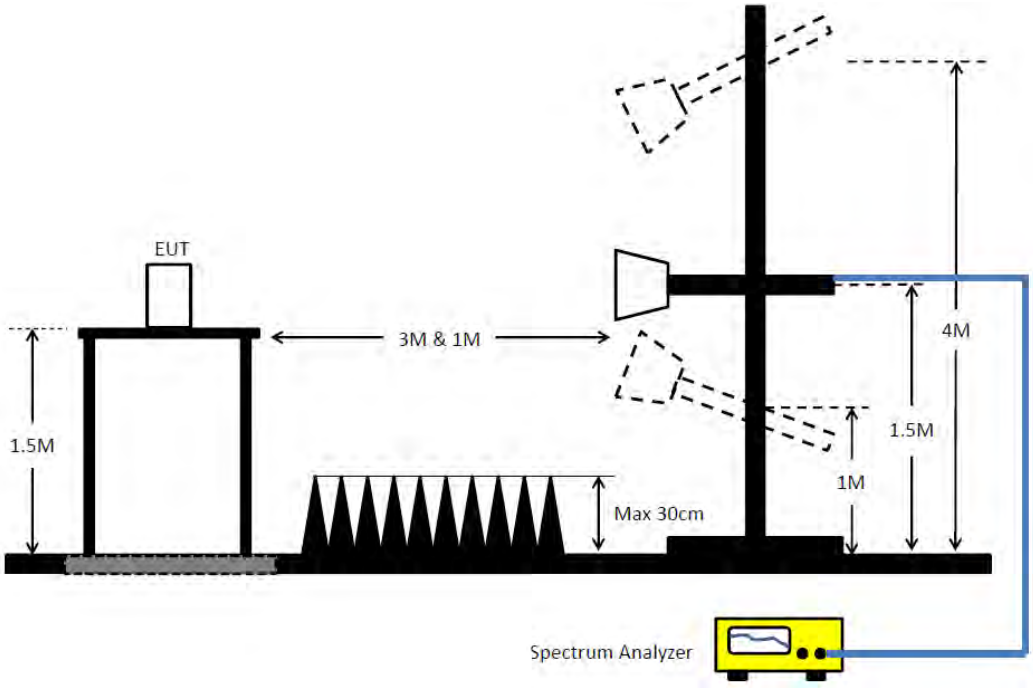
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

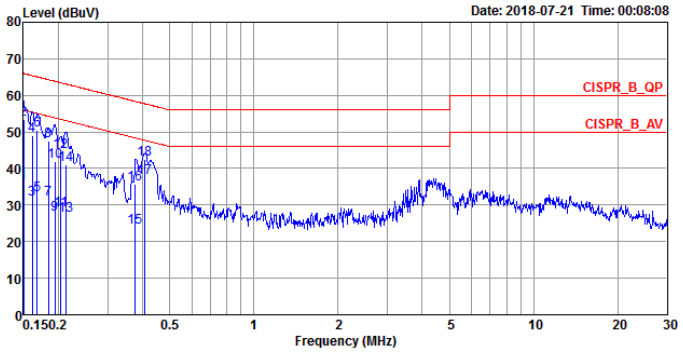
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 24, 2017	Nov. 23, 2018	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2017	Nov. 12, 2018	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 17, 2018	Jan. 16, 2019	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 10, 2017	Nov. 09, 2018	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100354	9kHz ~ 2.75GHz	Dec. 08, 2017	Dec. 07, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

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

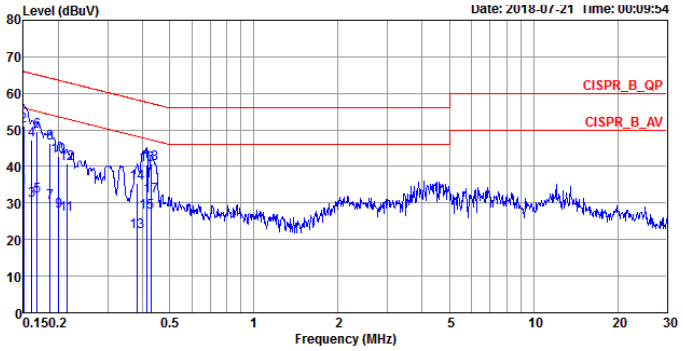
AC Power-line Conducted Emissions Result			
Operating Mode	4	**Power Phase**	Neutral
Operating Function	CTX		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	36.04	-19.96	56.00	25.99	10.04	0.01	Average	NEUTRAL
2	0.1500	53.43	-12.57	66.00	43.38	10.04	0.01	QP	NEUTRAL
3	0.1616	31.57	-23.81	55.38	21.54	10.02	0.01	Average	NEUTRAL
4	0.1616	49.06	-16.32	65.38	39.03	10.02	0.01	QP	NEUTRAL
5	0.1677	32.75	-22.33	55.08	22.73	10.01	0.01	Average	NEUTRAL
6	0.1677	50.54	-14.54	65.08	40.52	10.01	0.01	QP	NEUTRAL
7	0.1844	31.57	-22.71	54.28	21.58	9.98	0.01	Average	NEUTRAL
8	0.1844	47.62	-16.66	64.28	37.63	9.98	0.01	QP	NEUTRAL
9	0.1945	27.44	-26.40	53.84	17.46	9.97	0.01	Average	NEUTRAL
10	0.1945	41.97	-21.87	63.84	31.99	9.97	0.01	QP	NEUTRAL
11	0.2040	28.59	-24.86	53.45	18.62	9.96	0.01	Average	NEUTRAL
12	0.2040	44.60	-18.85	63.45	34.63	9.96	0.01	QP	NEUTRAL
13	0.2128	27.17	-25.93	53.10	17.20	9.96	0.01	Average	NEUTRAL
14	0.2128	41.01	-22.09	63.10	31.04	9.96	0.01	QP	NEUTRAL
15	0.3771	24.03	-24.31	48.34	14.06	9.94	0.03	Average	NEUTRAL
16	0.3771	35.77	-22.57	58.34	25.80	9.94	0.03	QP	NEUTRAL
17	0.4061	37.49	-10.24	47.73	27.52	9.94	0.03	Average	NEUTRAL
18	0.4061	42.59	-15.14	57.73	32.62	9.94	0.03	QP	NEUTRAL

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

AC Power-line Conducted Emissions Result			
Operating Mode	4	**Power Phase**	Line
Operating Function	CTX		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	34.28	-21.72	56.00	24.27	10.00	0.01	Average	LINE
2	0.1500	51.16	-14.84	66.00	41.15	10.00	0.01	QP	LINE
3	0.1607	30.73	-24.70	55.43	20.74	9.98	0.01	Average	LINE
4	0.1607	47.37	-18.06	65.43	37.38	9.98	0.01	QP	LINE
5	0.1677	31.76	-23.32	55.08	21.79	9.96	0.01	Average	LINE
6	0.1677	49.56	-15.52	65.08	39.59	9.96	0.01	QP	LINE
7	0.1864	30.25	-23.95	54.20	20.31	9.93	0.01	Average	LINE
8	0.1864	46.23	-17.97	64.20	36.29	9.93	0.01	QP	LINE
9	0.2007	27.80	-25.78	53.58	17.88	9.91	0.01	Average	LINE
10	0.2007	42.78	-20.80	63.58	32.86	9.91	0.01	QP	LINE
11	0.2139	26.87	-26.18	53.05	16.95	9.91	0.01	Average	LINE
12	0.2139	40.66	-22.39	63.05	30.74	9.91	0.01	QP	LINE
13	0.3832	22.06	-26.15	48.21	12.16	9.87	0.03	Average	LINE
14	0.3832	35.35	-22.86	58.21	25.45	9.87	0.03	QP	LINE
15	0.4127	27.31	-20.28	47.59	17.41	9.87	0.03	Average	LINE
16	0.4127	40.32	-17.27	57.59	30.42	9.87	0.03	QP	LINE
17	0.4282	31.79	-15.50	47.29	21.88	9.88	0.03	Average	LINE
18	0.4282	40.82	-16.47	57.29	30.91	9.88	0.03	QP	LINE

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.05M	12.325M	12M3G1D	8.525M	12.05M
802.11g_Nss1,(6Mbps)_2TX	16.4M	17.525M	17M5D1D	16.325M	16.675M
802.11ac VHT20_Nss2,(MCS0)_2TX	17.575M	18.375M	18M4D1D	17.55M	17.825M
802.11ac VHT40_Nss2,(MCS0)_2TX	36.35M	36.65M	36M6D1D	35.65M	36.5M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.6M	18.4M	18M4D1D	17.575M	17.75M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	36.35M	36.7M	36M7D1D	35.7M	36.55M

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

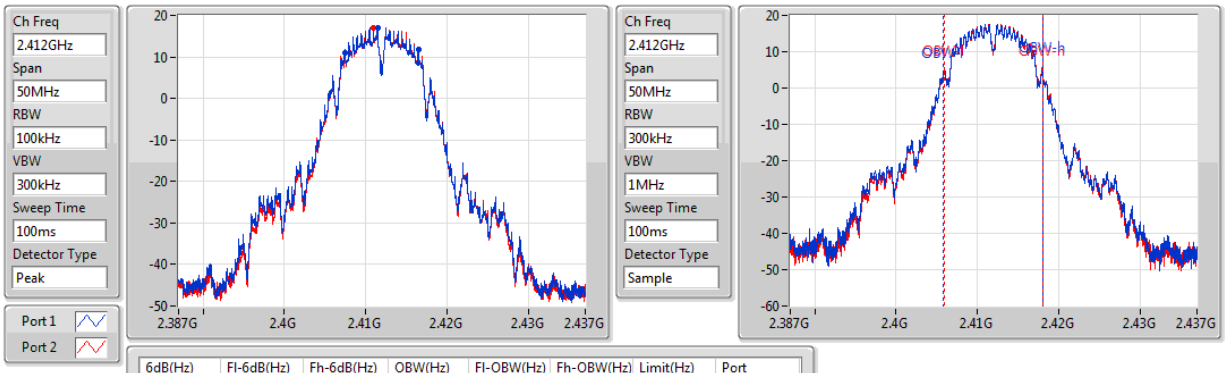
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	9.05M	12.2M	9.025M	12.175M
2437MHz	Pass	500k	9M	12.325M	9.05M	12.275M
2462MHz	Pass	500k	8.55M	12.075M	8.525M	12.05M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.75M	16.4M	16.675M
2437MHz	Pass	500k	16.325M	17.525M	16.35M	17.5M
2462MHz	Pass	500k	16.35M	16.7M	16.375M	16.725M
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.85M	17.575M	17.825M
2437MHz	Pass	500k	17.575M	18.375M	17.55M	18.35M
2462MHz	Pass	500k	17.55M	17.85M	17.575M	17.825M
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.25M	36.5M	36.25M	36.5M
2437MHz	Pass	500k	36.3M	36.65M	35.65M	36.5M
2452MHz	Pass	500k	36.1M	36.55M	36.35M	36.6M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.8M	17.6M	17.75M
2437MHz	Pass	500k	17.575M	18.275M	17.575M	18.4M
2462MHz	Pass	500k	17.575M	17.825M	17.575M	17.825M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.05M	36.55M	36.35M	36.6M
2437MHz	Pass	500k	36.3M	36.55M	35.7M	36.6M
2452MHz	Pass	500k	36.15M	36.55M	36.35M	36.7M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

15/08/2018

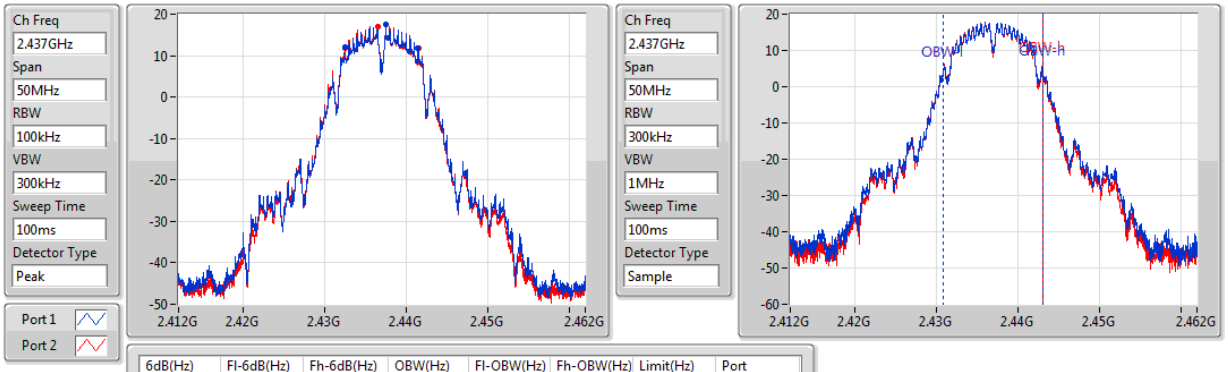


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.407425G	2.416475G	12.2M	2.4058G	2.418G	500k	1
9.025M	2.40745G	2.416475G	12.175M	2.405875G	2.41805G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

15/08/2018

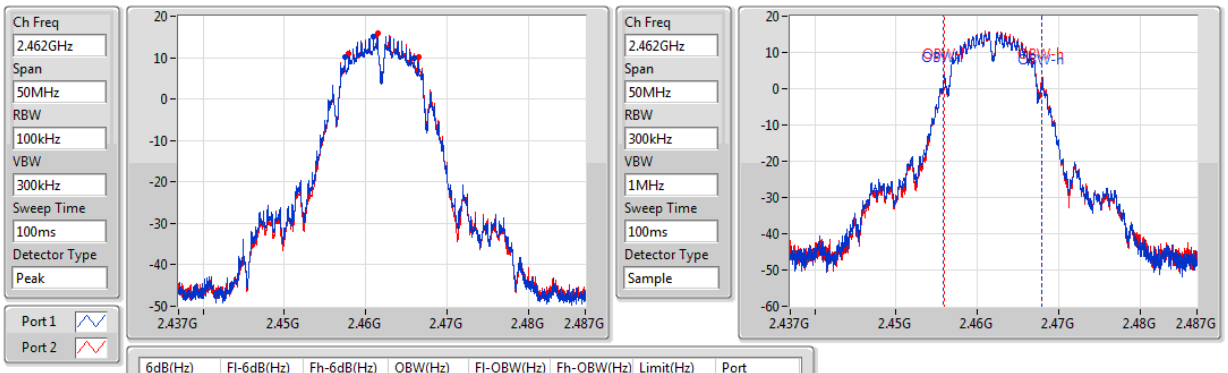


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9M	2.43245G	2.44145G	12.325M	2.430775G	2.4431G	500k	1
9.05M	2.432425G	2.441475G	12.275M	2.43075G	2.443025G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

15/08/2018

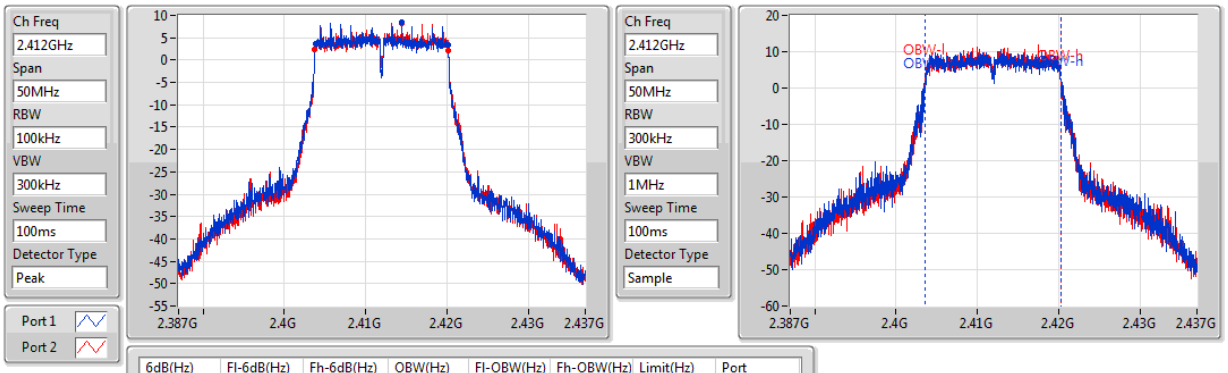


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.45745G	2.466G	12.075M	2.45585G	2.467925G	500k	1
8.525M	2.45795G	2.466475G	12.05M	2.455925G	2.467975G	500k	2

802.11g_Nss1,(6Mbps)_2TX — EBW

2412MHz

15/08/2018

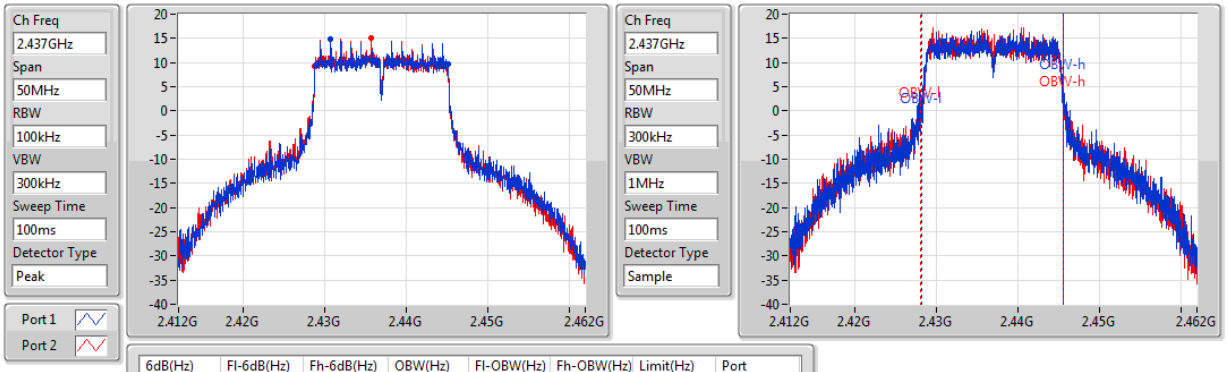


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4038G	2.420125G	16.75M	2.40355G	2.4203G	500k	1
16.4M	2.403775G	2.420175G	16.675M	2.403625G	2.4203G	500k	2

802.11g_Nss1,(6Mbps)_2TX — EBW

2437MHz

15/08/2018

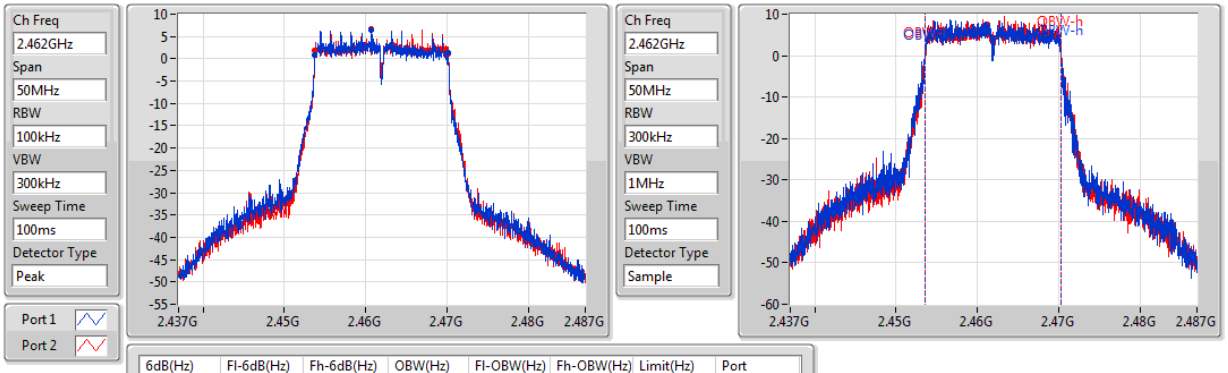


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4288G	2.445125G	17.525M	2.4281G	2.445625G	500k	1
16.35M	2.428775G	2.445125G	17.5M	2.428G	2.4455G	500k	2

802.11g_Nss1,(6Mbps)_2TX — EBW

2462MHz

15/08/2018



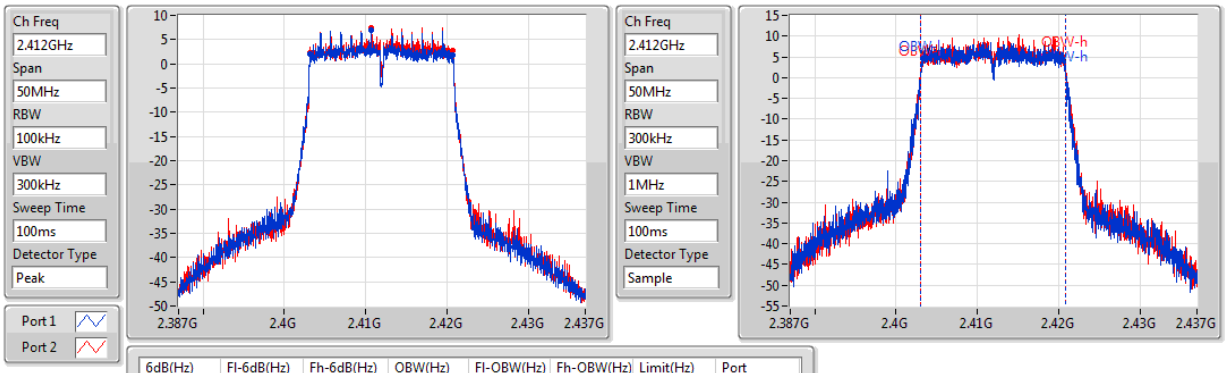
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453775G	2.470125G	16.7M	2.45355G	2.47025G	500k	1
16.375M	2.453775G	2.47015G	16.725M	2.4536G	2.470325G	500k	2

802.11ac VHT20_Nss2,(MCS0)_2TX

EBW

2412MHz

15/08/2018



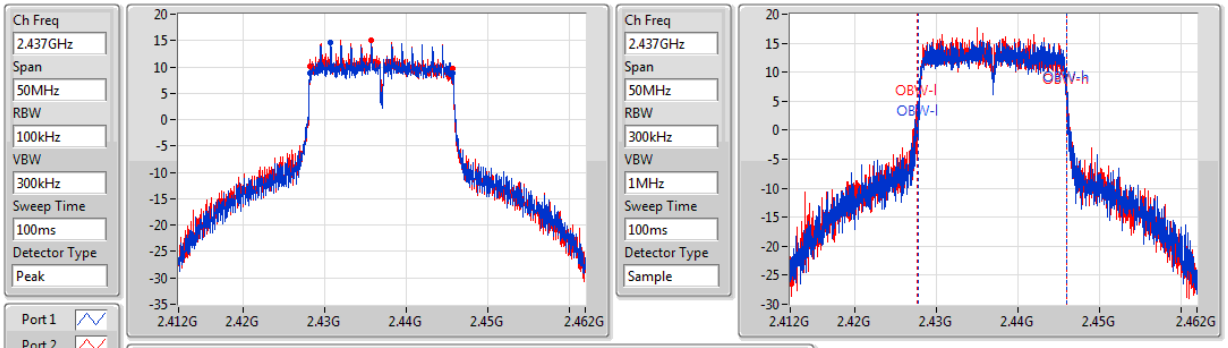
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403175G	2.42075G	17.85M	2.403025G	2.420875G	500k	1
17.575M	2.403175G	2.42075G	17.825M	2.403075G	2.4209G	500k	2

802.11ac VHT20_Nss2,(MCS0)_2TX

EBW

2437MHz

15/08/2018



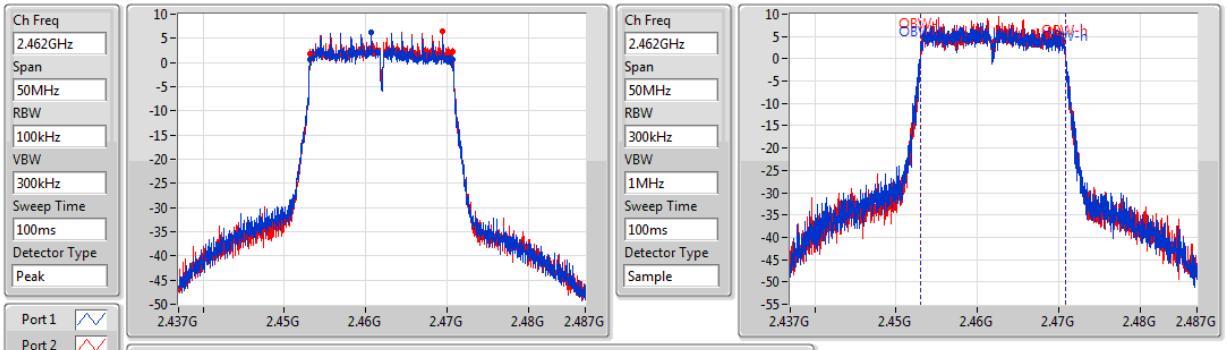
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.428175G	2.44575G	18.375M	2.427675G	2.44605G	500k	1
17.55M	2.428175G	2.445725G	18.35M	2.42765G	2.446G	500k	2

802.11ac VHT20_Nss2,(MCS0)_2TX

EBW

2462MHz

15/08/2018

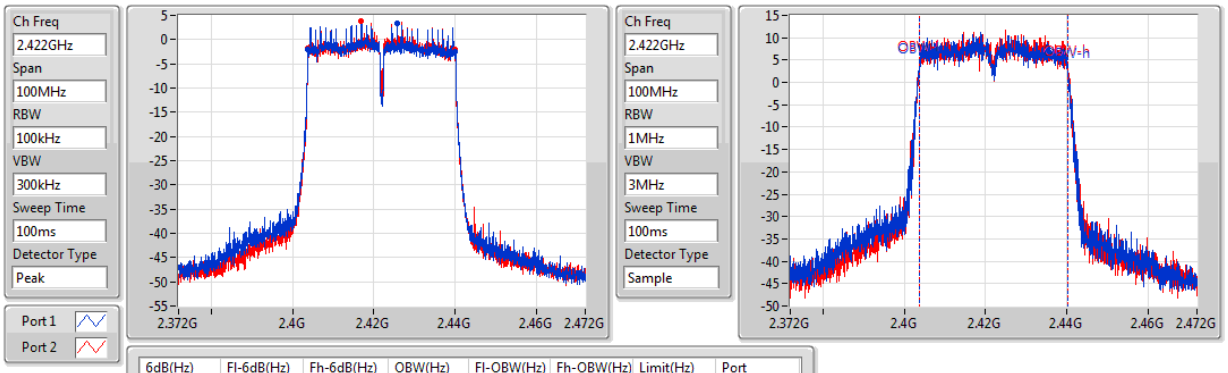


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.453175G	2.470725G	17.85M	2.453G	2.47085G	500k	1
17.575M	2.453175G	2.47075G	17.825M	2.453025G	2.47085G	500k	2

802.11ac VHT40_Nss2,(MCS0)_2TX EBW

2422MHz

15/08/2018

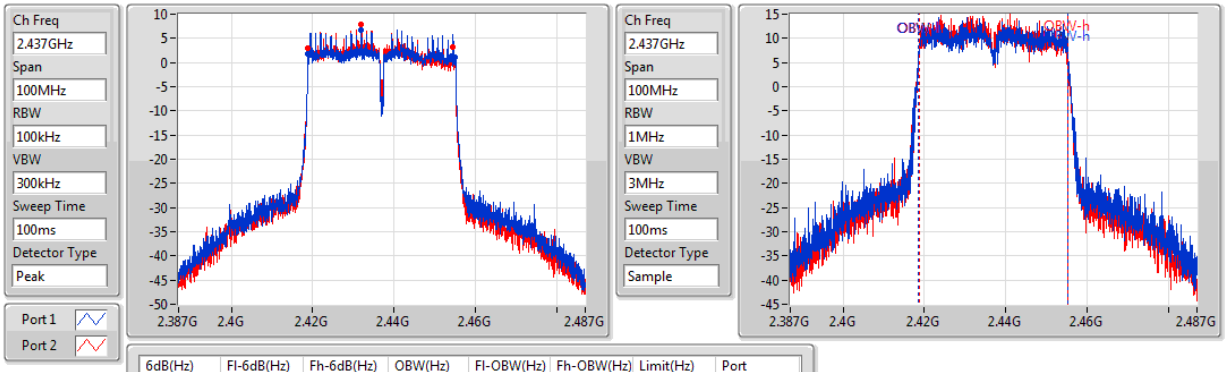


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	2.40385G	2.4401G	36.5M	2.4037G	2.4402G	500k	1
36.25M	2.40385G	2.4401G	36.5M	2.4037G	2.4402G	500k	2

802.11ac VHT40_Nss2,(MCS0)_2TX EBW

2437MHz

15/08/2018

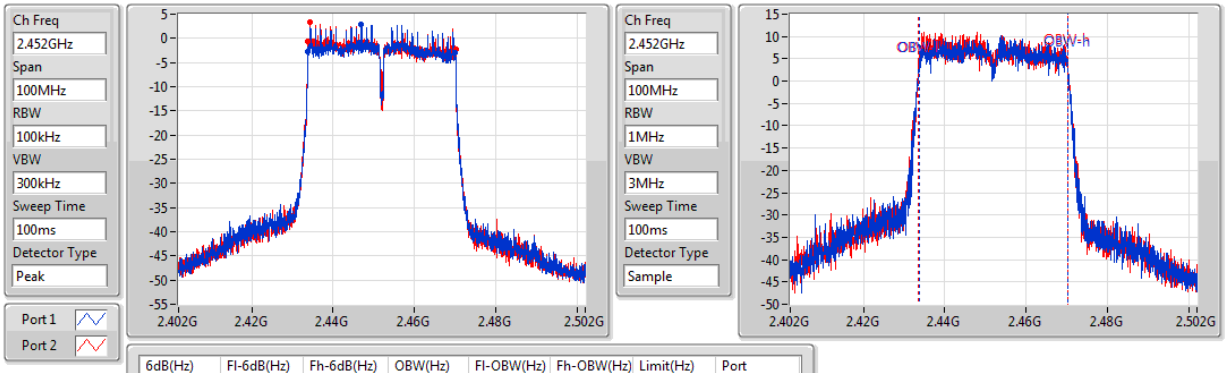


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.4188G	2.4551G	36.65M	2.4186G	2.45525G	500k	1
35.65M	2.41885G	2.4545G	36.5M	2.41865G	2.45515G	500k	2

802.11ac VHT40_Nss2,(MCS0)_2TX EBW

2452MHz

15/08/2018

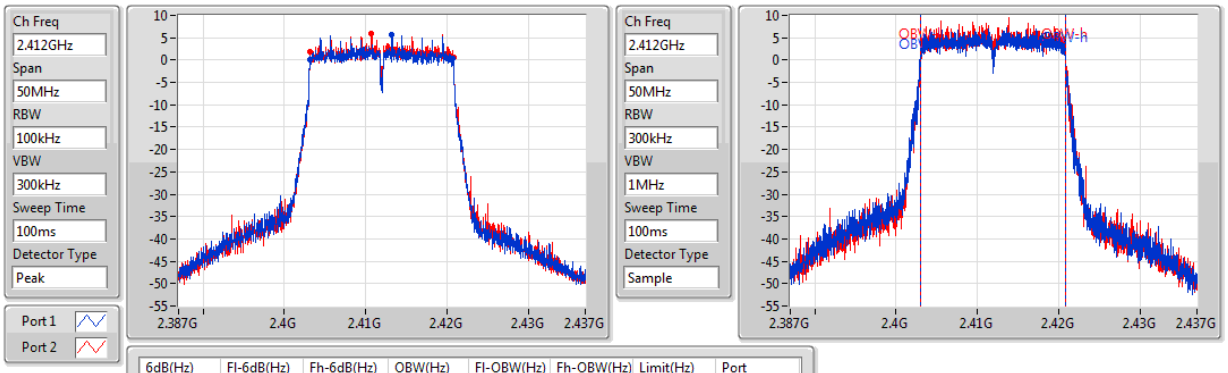


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.1M	2.4338G	2.4699G	36.55M	2.43365G	2.4702G	500k	1
36.35M	2.4338G	2.47015G	36.6M	2.4336G	2.4702G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

15/08/2018

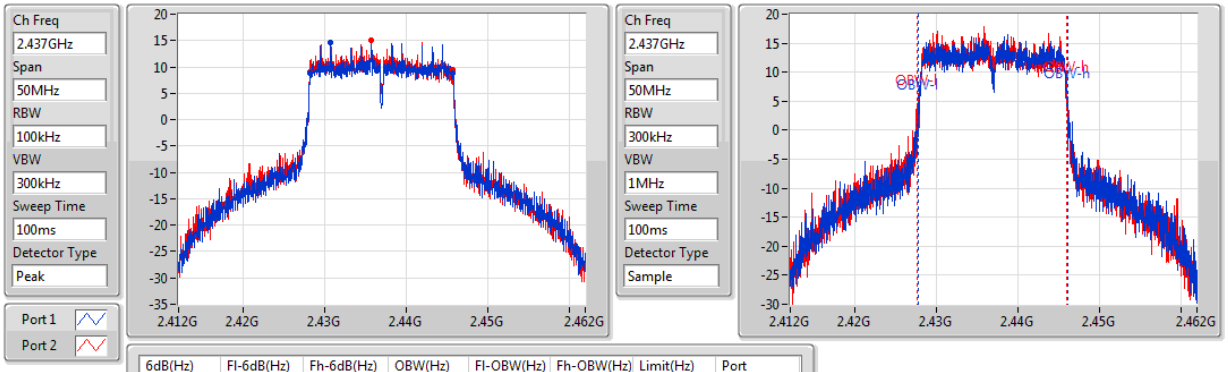


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403175G	2.42075G	17.8M	2.403025G	2.420825G	500k	1
17.6M	2.403175G	2.420775G	17.75M	2.403075G	2.420825G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

15/08/2018

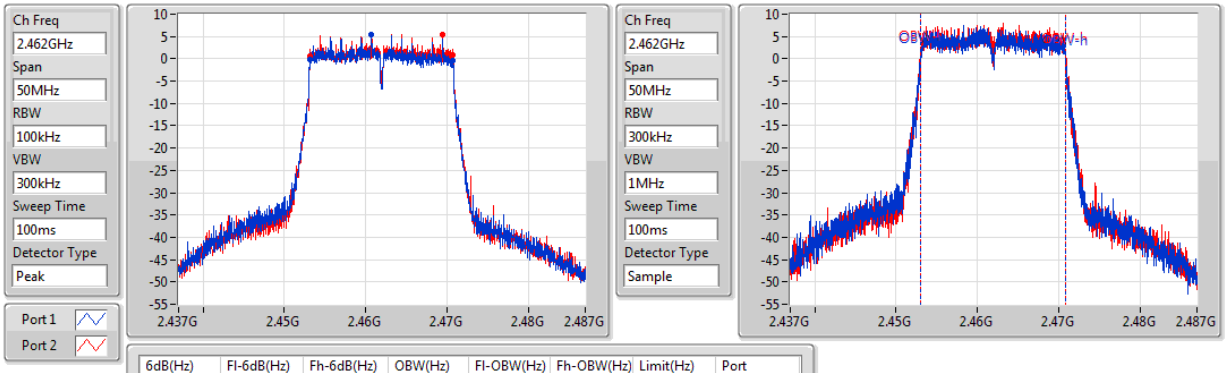


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.428175G	2.44575G	18.275M	2.4278G	2.446075G	500k	1
17.575M	2.428175G	2.44575G	18.4M	2.4276G	2.446G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

15/08/2018

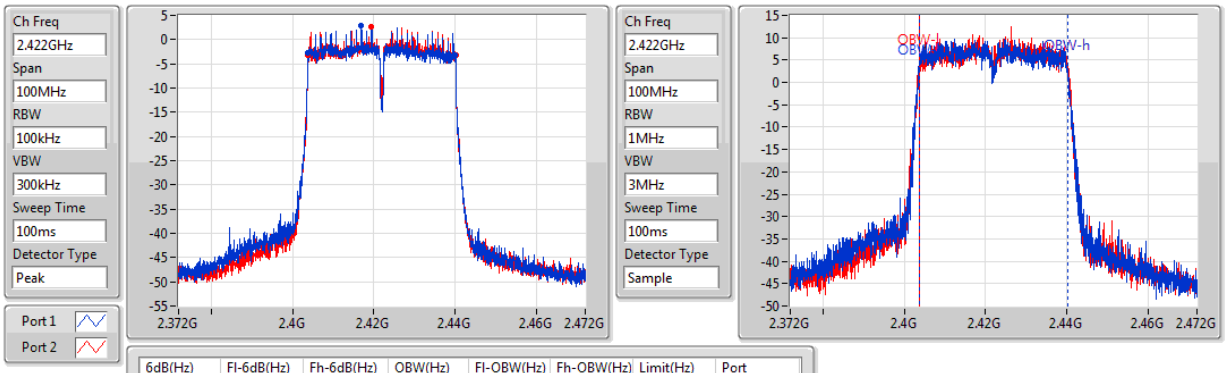


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453175G	2.47075G	17.825M	2.453025G	2.47085G	500k	1
17.575M	2.453175G	2.47075G	17.825M	2.453025G	2.47085G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

15/08/2018

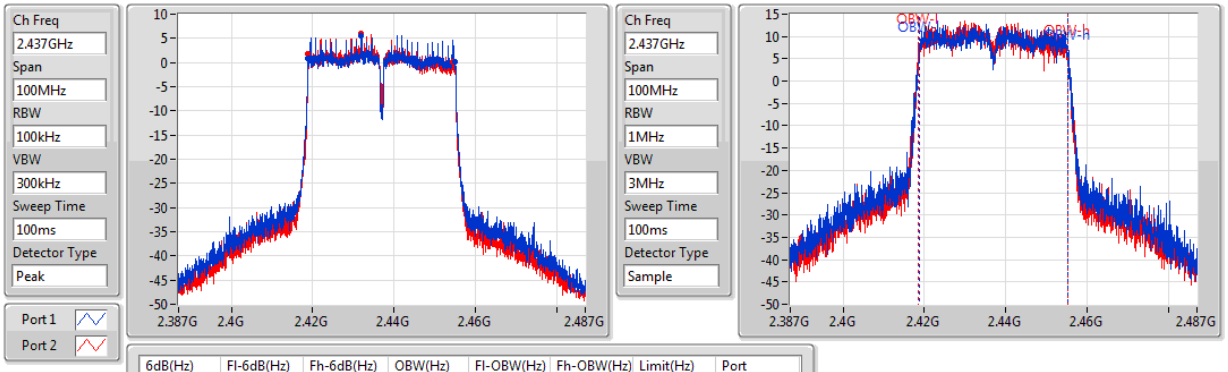


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.40385G	2.4399G	36.55M	2.40365G	2.4402G	500k	1
36.35M	2.4038G	2.44015G	36.6M	2.40365G	2.44025G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

15/08/2018

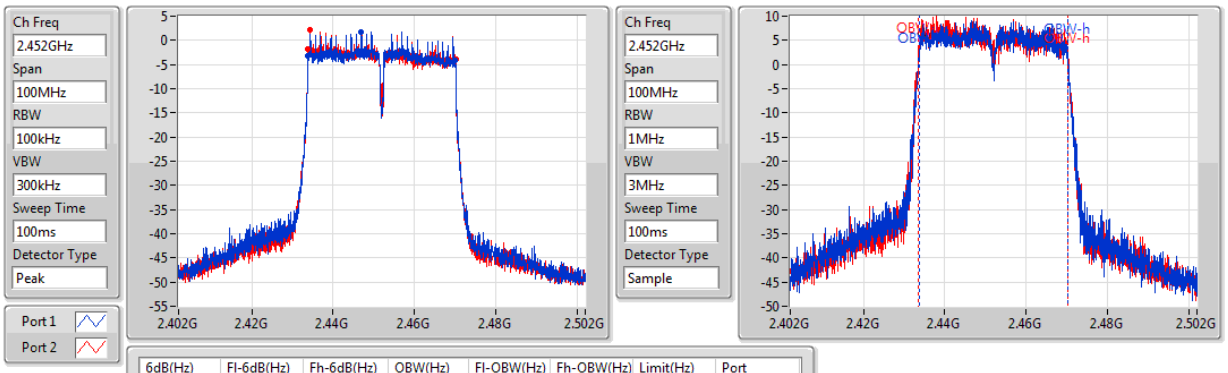


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.4188G	2.4551G	36.55M	2.4187G	2.45525G	500k	1
35.7M	2.4188G	2.4545G	36.6M	2.4186G	2.4552G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

15/08/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.15M	2.4338G	2.46995G	36.55M	2.43365G	2.4702G	500k	1
36.35M	2.4338G	2.47015G	36.7M	2.4335G	2.4702G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	29.97	0.99312
802.11g_Nss1,(6Mbps)_2TX	29.90	0.97724
802.11ac VHT20_Nss2,(MCS0)_2TX	29.98	0.99541
802.11ac VHT40_Nss2,(MCS0)_2TX	24.94	0.31189
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	29.98	0.99541
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	23.80	0.23988

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.77	26.82	26.96	29.90	30.00
2437MHz	Pass	1.77	26.93	26.98	29.97	30.00
2452MHz	Pass	1.77	26.86	26.82	29.85	30.00
2457MHz	Pass	1.77	26.42	26.56	29.50	30.00
2462MHz	Pass	1.77	24.76	25.12	27.95	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.77	20.96	21.19	24.09	30.00
2417MHz	Pass	1.77	24.34	24.97	27.68	30.00
2422MHz	Pass	1.77	25.83	25.92	28.89	30.00
2427MHz	Pass	1.77	26.77	26.81	29.80	30.00
2437MHz	Pass	1.77	26.83	26.95	29.90	30.00
2447MHz	Pass	1.77	26.75	26.84	29.81	30.00
2452MHz	Pass	1.77	24.62	25.05	27.85	30.00
2457MHz	Pass	1.77	23.11	23.58	26.36	30.00
2462MHz	Pass	1.77	18.91	19.23	22.08	30.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.77	19.53	19.67	22.61	30.00
2417MHz	Pass	1.77	24.09	24.57	27.35	30.00
2422MHz	Pass	1.77	25.73	25.81	28.78	30.00
2427MHz	Pass	1.77	26.77	26.92	29.86	30.00
2437MHz	Pass	1.77	26.91	27.03	29.98	30.00
2447MHz	Pass	1.77	26.69	26.88	29.80	30.00
2452MHz	Pass	1.77	25.04	25.37	28.22	30.00
2457MHz	Pass	1.77	23.52	23.84	26.69	30.00
2462MHz	Pass	1.77	18.76	18.97	21.88	30.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.77	18.61	18.75	21.69	30.00
2427MHz	Pass	1.77	19.24	19.47	22.37	30.00
2432MHz	Pass	1.77	20.27	20.43	23.36	30.00
2437MHz	Pass	1.77	21.89	21.97	24.94	30.00
2442MHz	Pass	1.77	20.04	20.28	23.17	30.00
2447MHz	Pass	1.77	18.72	18.83	21.79	30.00
2452MHz	Pass	1.77	18.05	18.14	21.11	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.71	18.25	18.54	21.41	30.00
2417MHz	Pass	4.71	23.67	24.06	26.88	30.00
2422MHz	Pass	4.71	24.95	25.12	28.05	30.00
2427MHz	Pass	4.71	26.84	26.95	29.91	30.00
2437MHz	Pass	4.71	26.86	27.07	29.98	30.00
2447MHz	Pass	4.71	26.72	26.85	29.80	30.00
2452MHz	Pass	4.71	24.16	24.57	27.38	30.00
2457MHz	Pass	4.71	22.72	23.15	25.95	30.00
2462MHz	Pass	4.71	17.78	18.09	20.95	30.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.71	17.76	17.92	20.85	30.00
2427MHz	Pass	4.71	18.62	18.74	21.69	30.00
2432MHz	Pass	4.71	19.16	19.28	22.23	30.00
2437MHz	Pass	4.71	20.73	20.85	23.80	30.00
2442MHz	Pass	4.71	19.29	19.34	22.33	30.00
2447MHz	Pass	4.71	17.16	17.41	20.30	30.00
2452MHz	Pass	4.71	16.94	17.22	20.09	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	5.42
802.11g_Nss1,(6Mbps)_2TX	2.84
802.11ac VHT20_Nss2,(MCS0)_2TX	2.38
802.11ac VHT40_Nss2,(MCS0)_2TX	-5.78
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	1.58
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-7.17

RBW=3kHz.

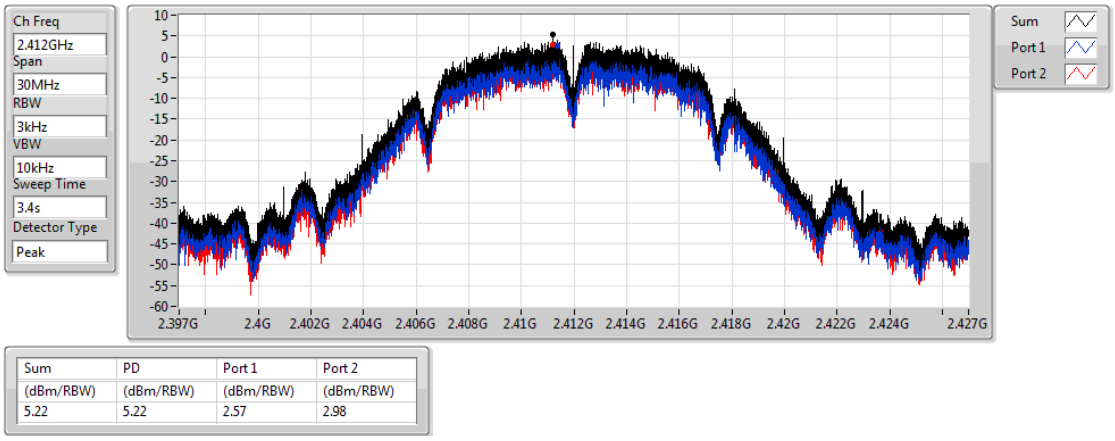
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.71	2.57	2.98	5.22	8.00
2437MHz	Pass	4.71	2.98	2.47	5.42	8.00
2462MHz	Pass	4.71	1.70	1.13	3.54	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.71	-4.57	-5.38	-3.16	8.00
2437MHz	Pass	4.71	-0.11	0.48	2.84	8.00
2462MHz	Pass	4.71	-7.54	-7.33	-4.49	8.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.71	-7.41	-7.19	-5.87	8.00
2437MHz	Pass	4.71	0.66	0.52	2.38	8.00
2462MHz	Pass	4.71	-8.22	-7.99	-6.43	8.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.71	-10.87	-10.47	-8.73	8.00
2437MHz	Pass	4.71	-7.86	-7.66	-5.78	8.00
2452MHz	Pass	4.71	-11.44	-11.18	-9.35	8.00
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.71	-9.29	-7.60	-6.43	8.00
2437MHz	Pass	4.71	-0.56	0.90	1.58	8.00
2462MHz	Pass	4.71	-9.06	-8.87	-7.07	8.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.71	-12.21	-11.31	-9.82	8.00
2437MHz	Pass	4.71	-8.71	-9.13	-7.17	8.00
2452MHz	Pass	4.71	-12.78	-11.83	-10.16	8.00

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

802.11b_Nss1,(1Mbps)_2TX PSD

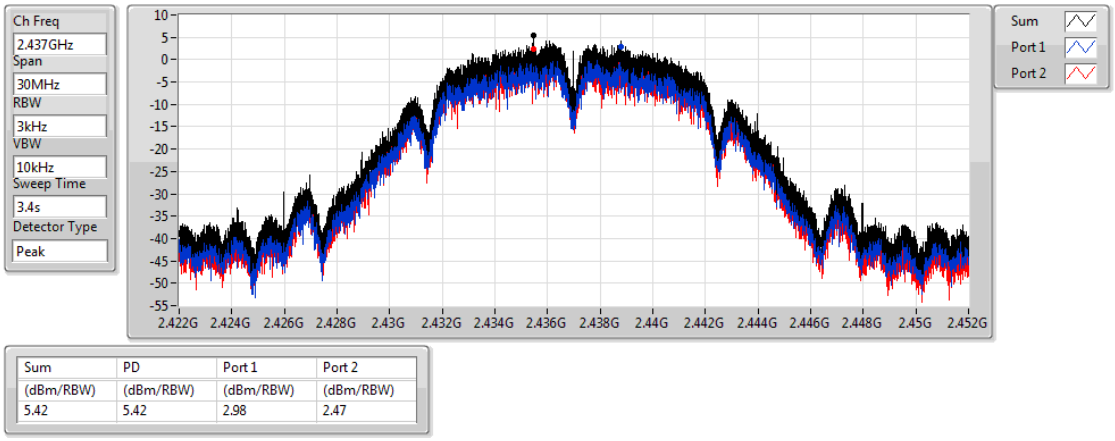
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.22	5.22	2.57	2.98

802.11b_Nss1,(1Mbps)_2TX PSD

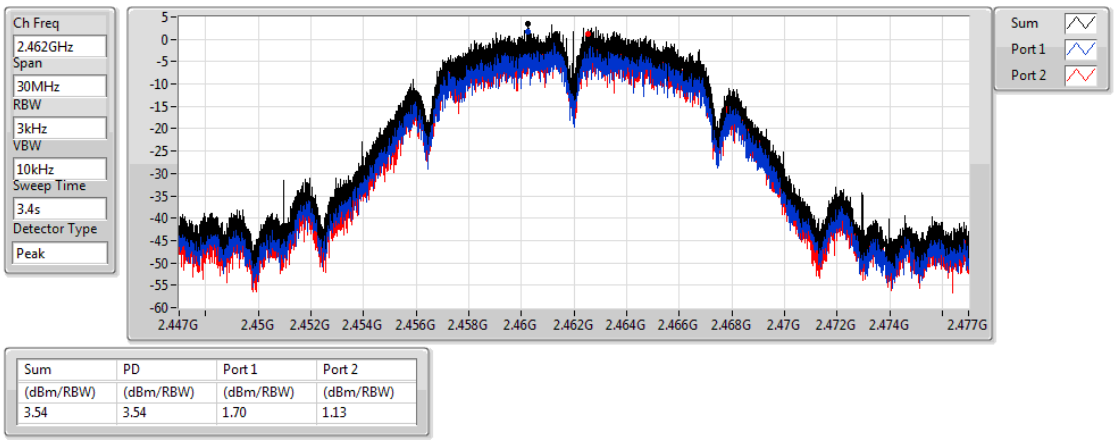
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.42	5.42	2.98	2.47

802.11b_Nss1,(1Mbps)_2TX PSD

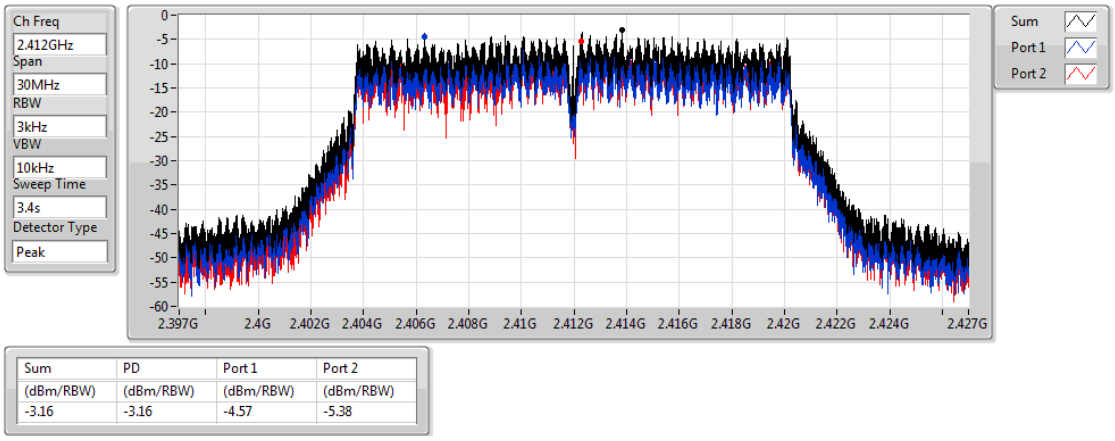
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.54	3.54	1.70	1.13

802.11g_Nss1,(6Mbps)_2TX PSD

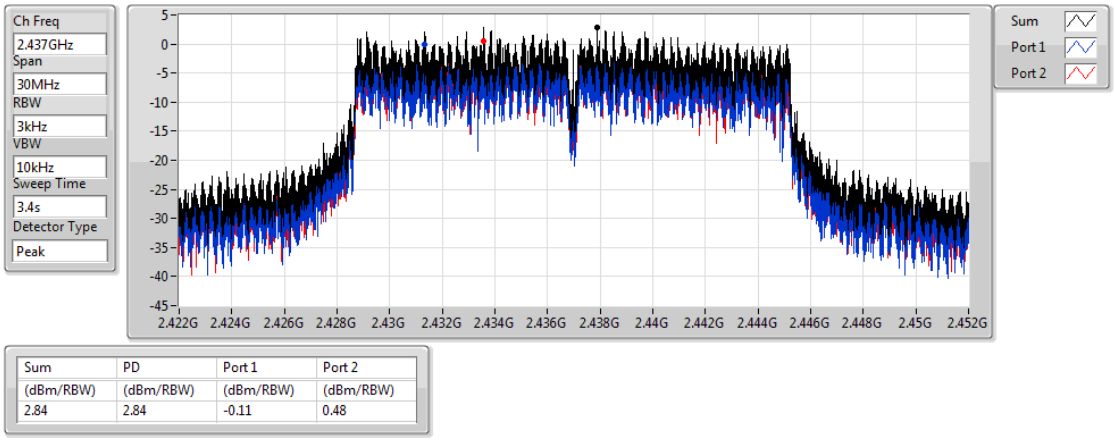
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.16	-3.16	-4.57	-5.38

802.11g_Nss1,(6Mbps)_2TX PSD

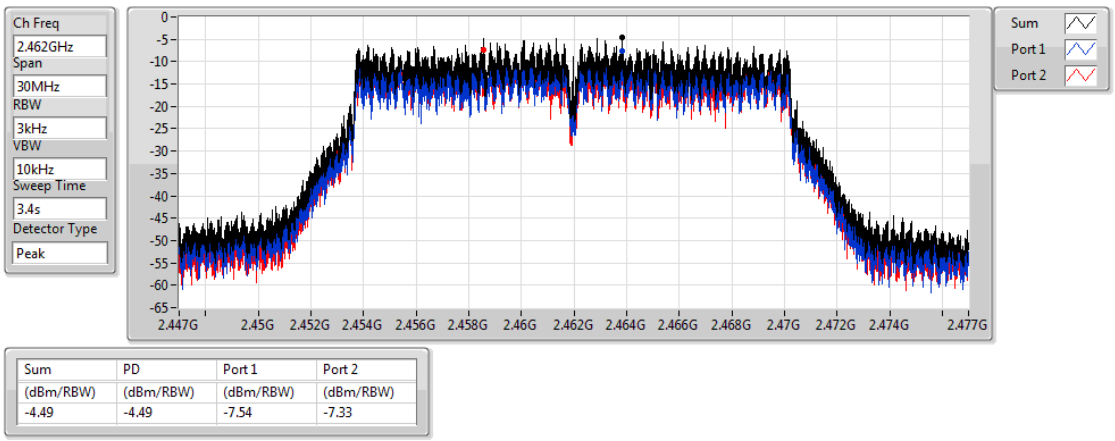
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.84	2.84	-0.11	0.48

802.11g_Nss1,(6Mbps)_2TX PSD

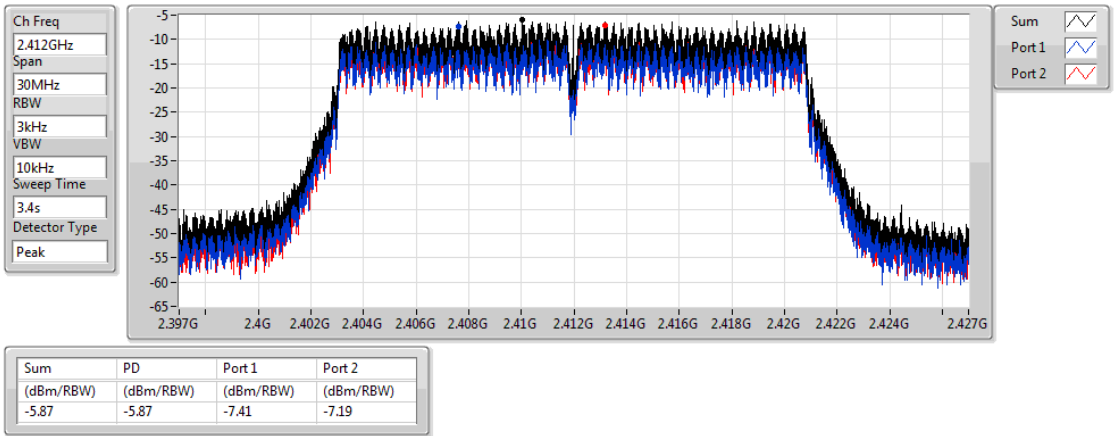
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.49	-4.49	-7.54	-7.33

802.11ac VHT20_Nss2,(MCS0)_2TX PSD

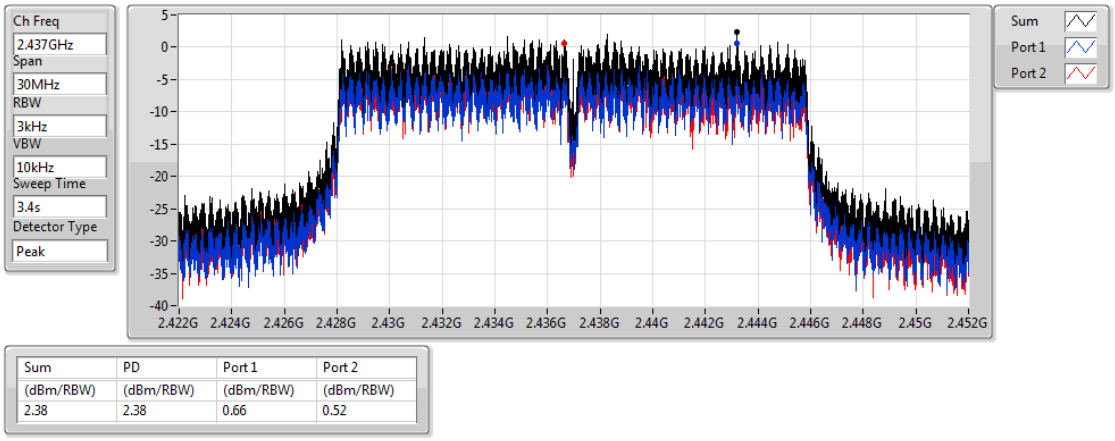
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.87	-5.87	-7.41	-7.19

802.11ac VHT20_Nss2,(MCS0)_2TX PSD

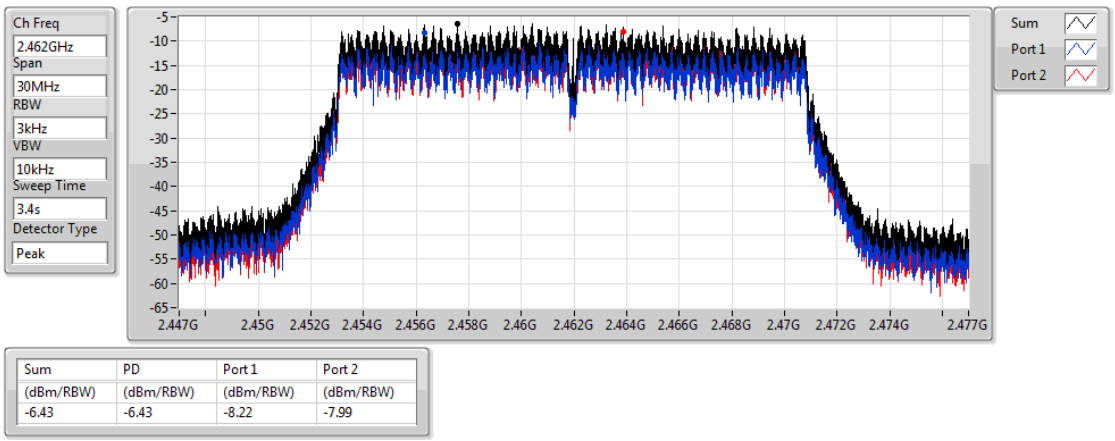
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.38	2.38	0.66	0.52

802.11ac VHT20_Nss2,(MCS0)_2TX PSD

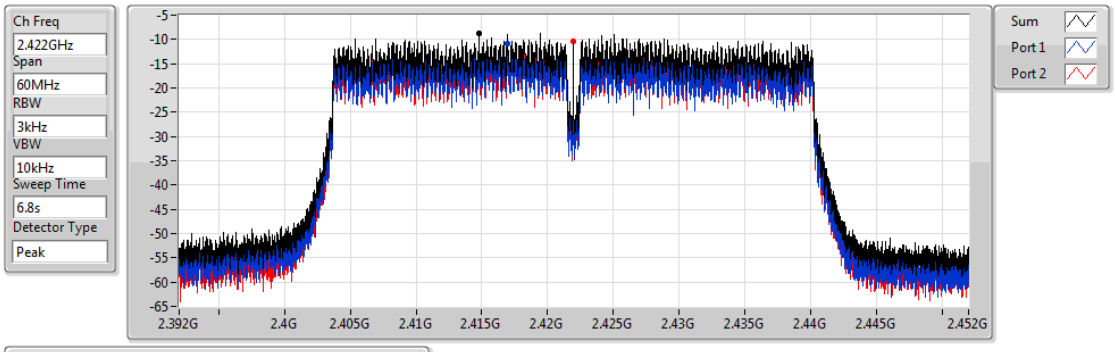
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.43	-6.43	-8.22	-7.99

802.11ac VHT40_Nss2,(MCS0)_2TX PSD

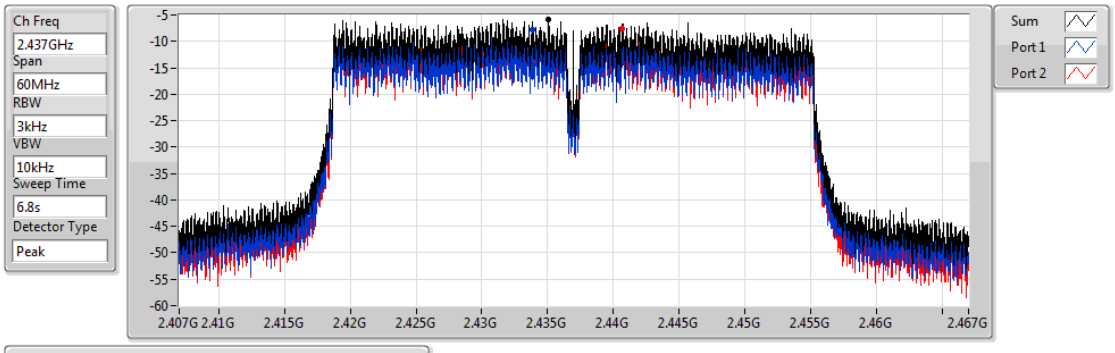
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.73	-8.73	-10.87	-10.47

802.11ac VHT40_Nss2,(MCS0)_2TX PSD

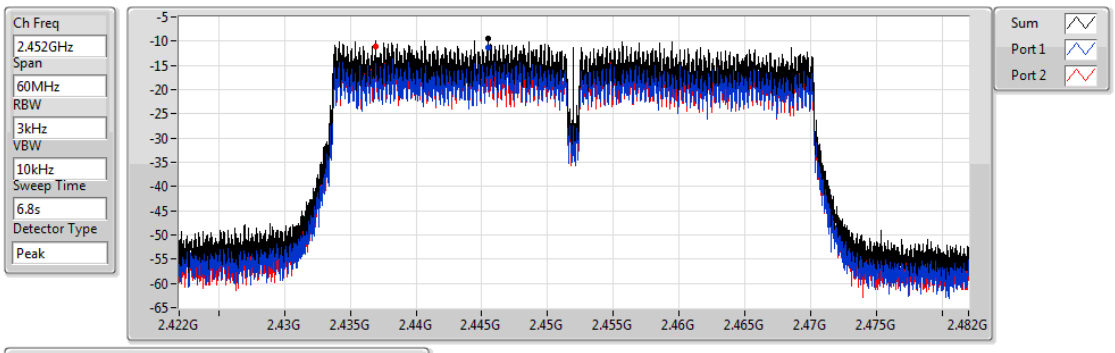
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.78	-5.78	-7.86	-7.66

802.11ac VHT40_Nss2,(MCS0)_2TX PSD

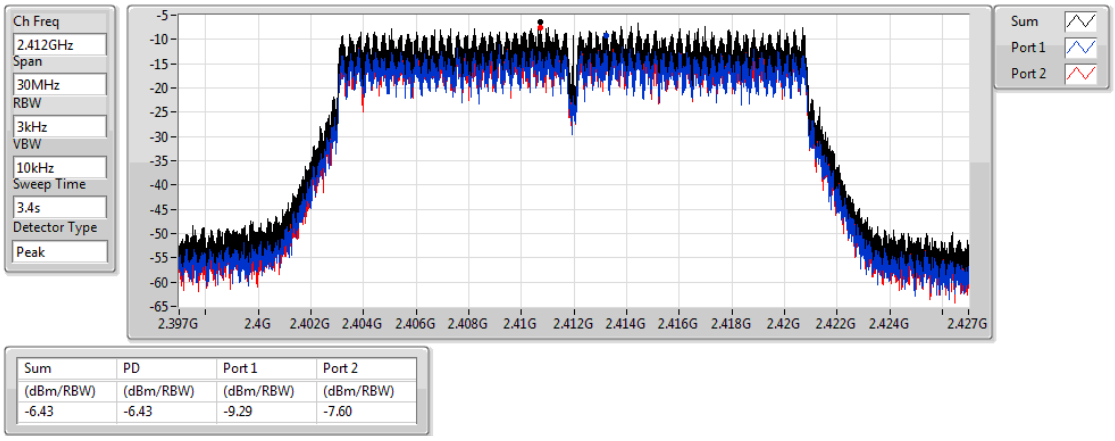
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.35	-9.35	-11.44	-11.18

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

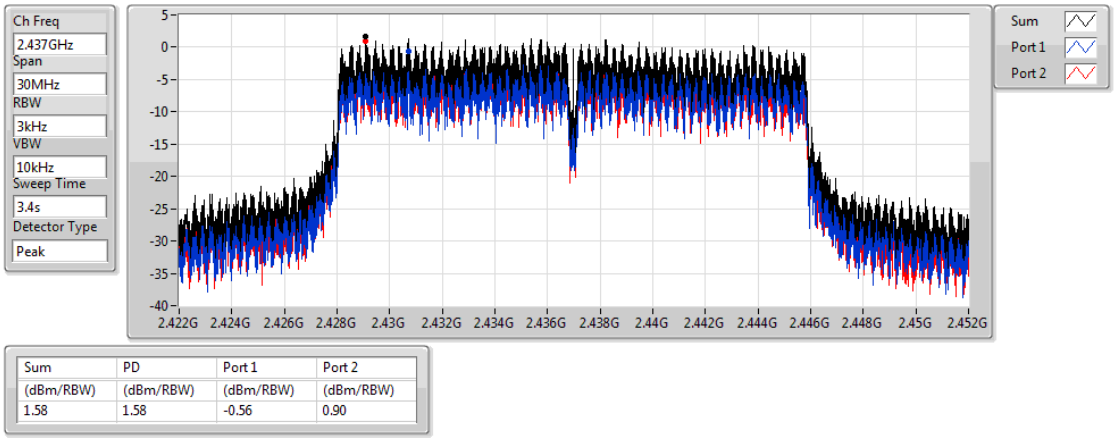
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.43	-6.43	-9.29	-7.60

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

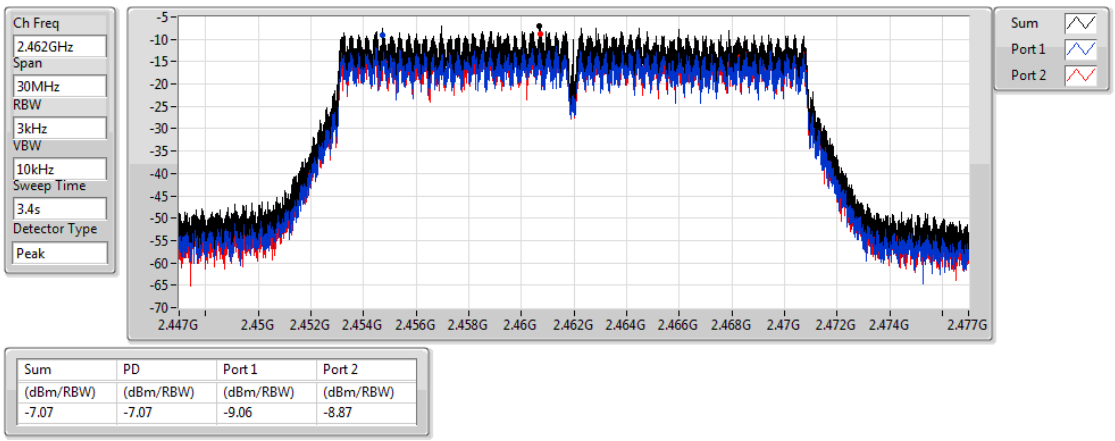
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.58	1.58	-0.56	0.90

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

2462MHz

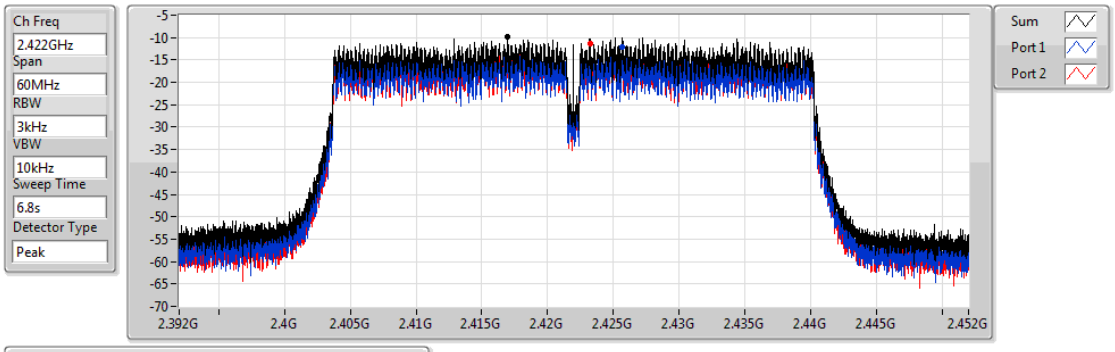


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.07	-7.07	-9.06	-8.87

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

2422MHz

15/08/2018

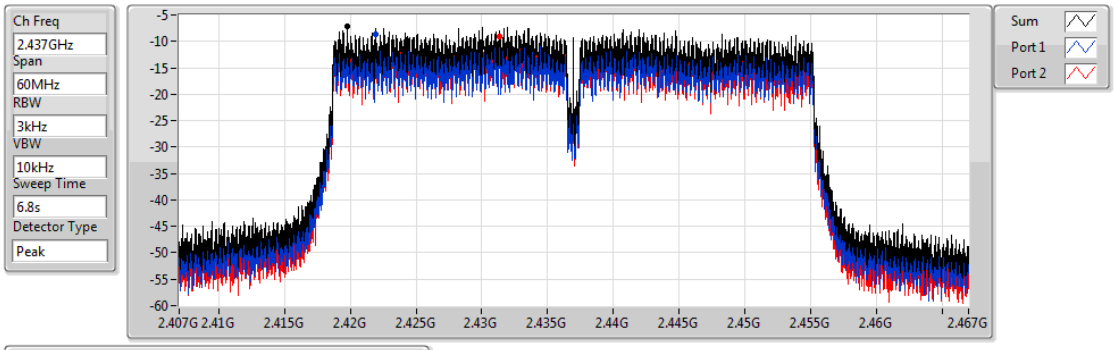


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.82	-9.82	-12.21	-11.31

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

2437MHz

15/08/2018

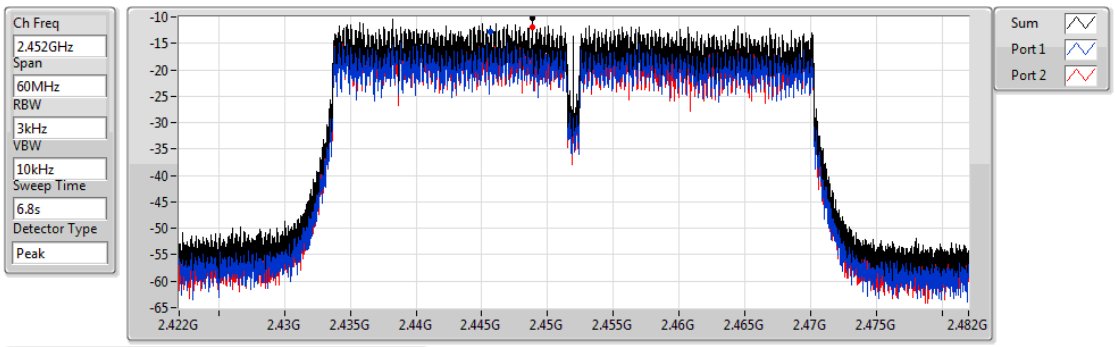


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.17	-7.17	-8.71	-9.13

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

2452MHz

15/08/2018



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.16	-10.16	-12.78	-11.83

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	2.439913G	2.50	-27.50	674.245M	-56.18	2.39952G	-36.04	2.5123G	-60.81	24.173989G	-42.28	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.443253G	0.77	-29.23	1.787985G	-62.79	2.3992G	-39.23	2.48822G	-62.26	15.160912G	-42.81	1
802.11ac VHT20_Nss2,(MCS0)_2TX	Pass	2.431897G	1.65	-28.35	1.9639G	-62.96	2.3992G	-42.69	2.48726G	-60.43	24.348182G	-43.61	1
802.11ac VHT40_Nss2,(MCS0)_2TX	Pass	2.434402G	-5.90	-35.90	1.991385G	-62.52	2.39952G	-41.48	2.4851G	-52.74	24.183872G	-42.70	1
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.444422G	1.69	-28.31	2.1037G	-62.38	2.39976G	-46.67	2.48734G	-61.38	15.160912G	-43.16	2
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.441917G	-6.97	-36.97	2.055505G	-62.94	2.39792G	-60.54	2.4843G	-56.46	24.632602G	-42.36	1

Result

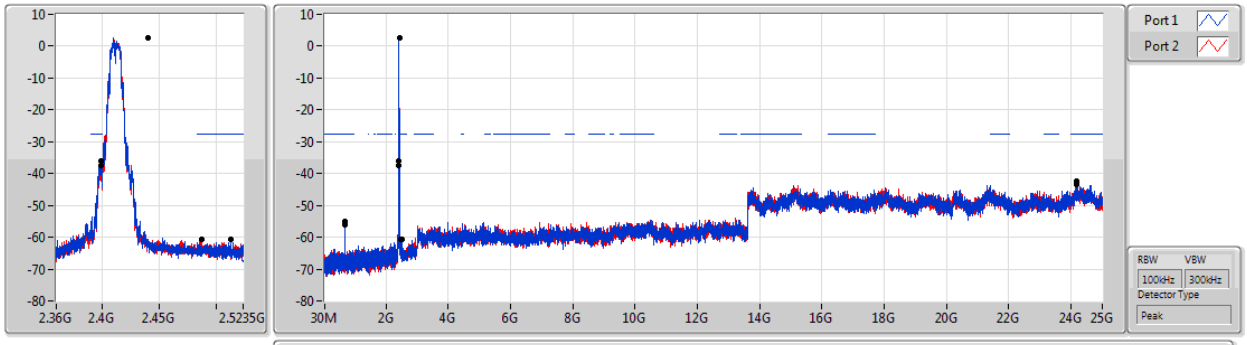
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.439913G	2.50	-27.50	674.245M	-56.18	2.39952G	-36.04	2.5123G	-60.81	24.173989G	-42.28	1
2412MHz	Pass	2.439913G	2.50	-27.50	674.245M	-55.09	2.39904G	-37.43	2.48726G	-60.54	24.173989G	-43.49	2
2437MHz	Pass	2.439913G	2.50	-27.50	698.71M	-56.50	2.39384G	-59.19	2.50558G	-59.53	24.224561G	-43.24	1
2437MHz	Pass	2.439913G	2.50	-27.50	698.71M	-57.62	2.39256G	-58.79	2.48462G	-60.75	24.232989G	-43.59	2
2462MHz	Pass	2.439913G	2.50	-27.50	724.34M	-59.27	2.39896G	-59.81	2.48862G	-59.80	15.17777G	-43.39	1
2462MHz	Pass	2.439913G	2.50	-27.50	724.34M	-60.38	2.39688G	-59.84	2.48646G	-58.43	24.241418G	-44.35	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.443253G	0.77	-29.23	1.787985G	-62.79	2.3992G	-39.23	2.48822G	-62.26	15.160912G	-42.81	1
2412MHz	Pass	2.443253G	0.77	-29.23	1.8707G	-62.36	2.39976G	-40.73	2.48734G	-60.23	24.637566G	-43.99	2
2437MHz	Pass	2.443253G	0.77	-29.23	2.123505G	-61.23	2.39984G	-54.39	2.48462G	-59.81	24.272323G	-43.45	1
2437MHz	Pass	2.443253G	0.77	-29.23	2.11768G	-61.36	2.3996G	-56.32	2.48438G	-59.01	24.640376G	-43.83	2
2462MHz	Pass	2.443253G	0.77	-29.23	2.09438G	-62.59	2.39192G	-61.86	2.48382G	-57.53	24.190846G	-42.70	1
2462MHz	Pass	2.443253G	0.77	-29.23	871.13M	-62.98	2.39672G	-61.58	2.48382G	-55.41	15.17496G	-42.87	2
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.431897G	1.65	-28.35	1.9639G	-62.96	2.3992G	-42.69	2.48726G	-60.43	24.348182G	-43.61	1
2412MHz	Pass	2.431897G	1.65	-28.35	1.92196G	-62.33	2.39896G	-42.88	2.48734G	-60.80	24.16275G	-43.49	2
2437MHz	Pass	2.431897G	1.65	-28.35	701.04M	-61.89	2.39984G	-52.09	2.48358G	-59.27	24.210513G	-43.75	1
2437MHz	Pass	2.431897G	1.65	-28.35	148.83M	-62.87	2.39976G	-55.11	2.48398G	-60.08	24.185227G	-43.48	2
2462MHz	Pass	2.431897G	1.65	-28.35	936.37M	-63.10	2.3972G	-61.85	2.48358G	-54.54	15.068197G	-43.18	1
2462MHz	Pass	2.431897G	1.65	-28.35	2.12467G	-62.69	2.3992G	-61.45	2.48446G	-54.30	15.121578G	-43.51	2
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.434402G	-5.90	-35.90	2.091G	-62.74	2.39696G	-47.51	2.5267G	-62.01	24.147413G	-43.53	1
2422MHz	Pass	2.434402G	-5.90	-35.90	2.10932G	-62.92	2.39824G	-49.54	2.48462G	-61.85	24.570902G	-42.57	2
2437MHz	Pass	2.434402G	-5.90	-35.90	1.991385G	-62.52	2.39952G	-41.48	2.4851G	-52.74	24.183872G	-42.70	1
2437MHz	Pass	2.434402G	-5.90	-35.90	2.011995G	-62.85	2.39984G	-42.25	2.4843G	-53.30	15.237318G	-43.15	2
2452MHz	Pass	2.434402G	-5.90	-35.90	585.325M	-62.71	2.3944G	-61.60	2.48446G	-51.79	24.573707G	-43.09	1
2452MHz	Pass	2.434402G	-5.90	-35.90	1.730325G	-62.78	2.39024G	-61.77	2.4843G	-54.20	24.626993G	-43.65	2
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.444422G	1.69	-28.31	620.655M	-61.74	2.39888G	-46.68	2.51046G	-62.23	15.160912G	-44.04	1
2412MHz	Pass	2.444422G	1.69	-28.31	2.1037G	-62.38	2.39976G	-46.67	2.48734G	-61.38	15.160912G	-43.16	2
2437MHz	Pass	2.444422G	1.69	-28.31	2.139815G	-62.60	2.39992G	-52.53	2.50726G	-58.56	16.346548G	-44.11	1
2437MHz	Pass	2.444422G	1.69	-28.31	697.545M	-62.17	2.39896G	-55.24	2.49142G	-60.06	24.16837G	-43.69	2
2462MHz	Pass	2.444422G	1.69	-28.31	1.94293G	-62.29	2.39128G	-62.12	2.48358G	-56.72	15.155293G	-43.32	1
2462MHz	Pass	2.444422G	1.69	-28.31	1.71459G	-62.41	2.39656G	-61.32	2.48382G	-56.46	24.662853G	-43.30	2
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.441917G	-6.97	-36.97	1.9765G	-63.58	2.39952G	-49.75	2.54462G	-61.90	24.228745G	-43.13	1
2422MHz	Pass	2.441917G	-6.97	-36.97	1.96963G	-62.09	2.3984G	-51.57	2.48798G	-61.64	24.632602G	-42.40	2

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2437MHz	Pass	2.441917G	-6.97	-36.97	1.98108G	-62.67	2.39952G	-45.28	2.48382G	-58.00	24.523224G	-43.59	1
2437MHz	Pass	2.441917G	-6.97	-36.97	2.039475G	-62.19	2.39904G	-49.66	2.48446G	-57.78	24.239964G	-44.06	2
2452MHz	Pass	2.441917G	-6.97	-36.97	2.055505G	-62.94	2.39792G	-60.54	2.4843G	-56.46	24.632602G	-42.36	1
2452MHz	Pass	2.441917G	-6.97	-36.97	1.81849G	-62.82	2.39264G	-60.30	2.48382G	-57.13	24.239964G	-43.28	2

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

2412MHz

15/08/2018

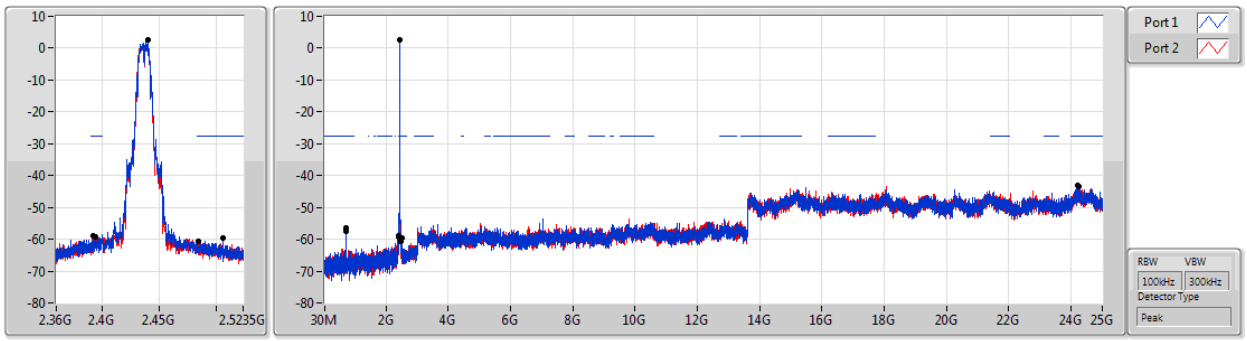


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439913G	2.50	-27.50	674.245M	-56.18	2.39952G	-36.04	2.5123G	-60.81	24.173989G	-42.28	1
2.439913G	2.50	-27.50	674.245M	-55.09	2.39904G	-37.43	2.48726G	-60.54	24.173989G	-43.49	2

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

2437MHz

15/08/2018

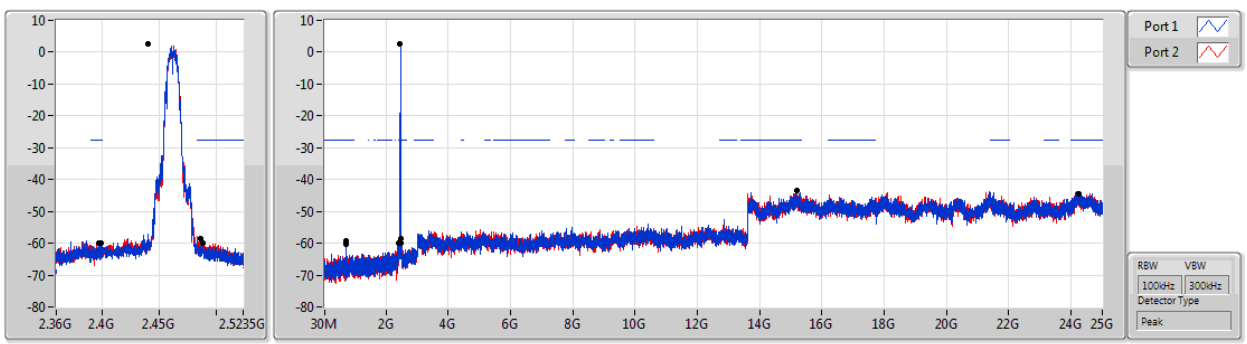


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439913G	2.50	-27.50	698.71M	-56.50	2.39384G	-59.19	2.50558G	-59.53	24.224561G	-43.24	1
2.439913G	2.50	-27.50	698.71M	-57.62	2.39256G	-58.79	2.48462G	-60.75	24.232989G	-43.59	2

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

2462MHz

15/08/2018

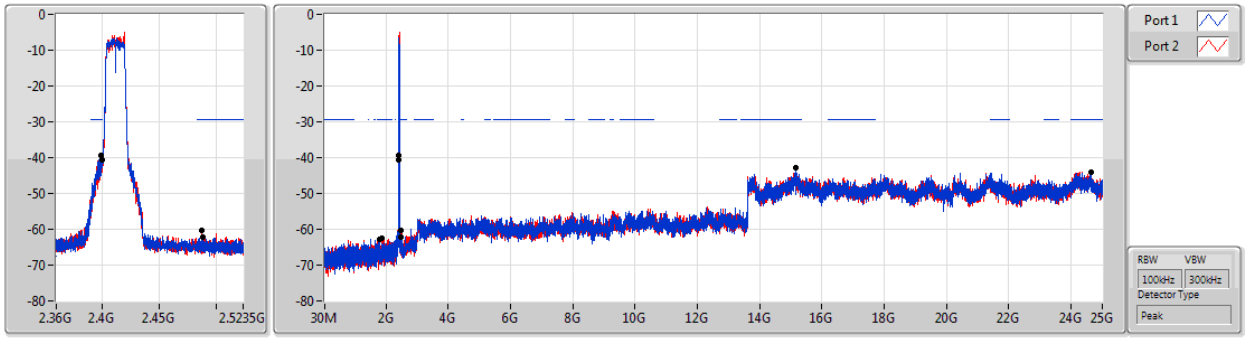


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439913G	2.50	-27.50	724.34M	-59.27	2.39896G	-59.81	2.48862G	-59.80	15.17777G	-43.39	1
2.439913G	2.50	-27.50	724.34M	-60.38	2.39688G	-59.84	2.48646G	-58.43	24.241418G	-44.35	2

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

2412MHz

15/08/2018

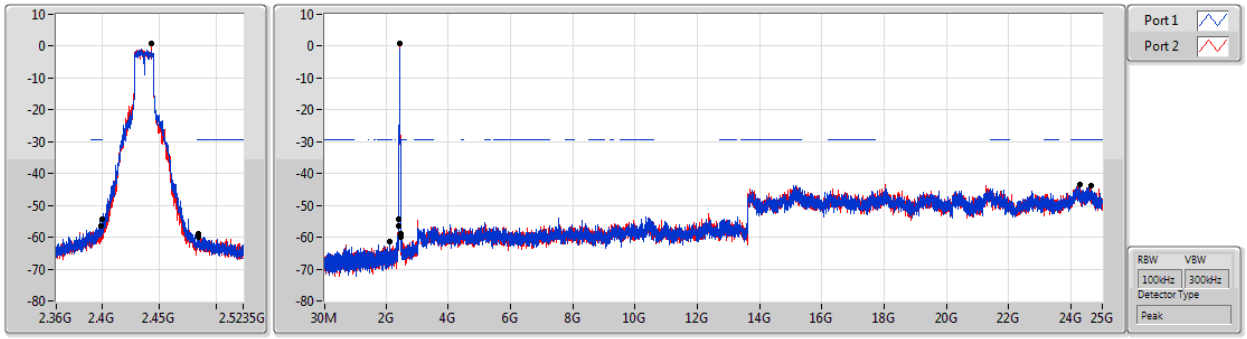


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.443253G	0.77	-29.23	1.787985G	-62.79	2.3992G	-39.23	2.48822G	-62.26	15.160912G	-42.81	1
2.443253G	0.77	-29.23	1.8707G	-62.36	2.39976G	-40.73	2.48734G	-60.23	24.637566G	-43.99	2

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

2437MHz

15/08/2018

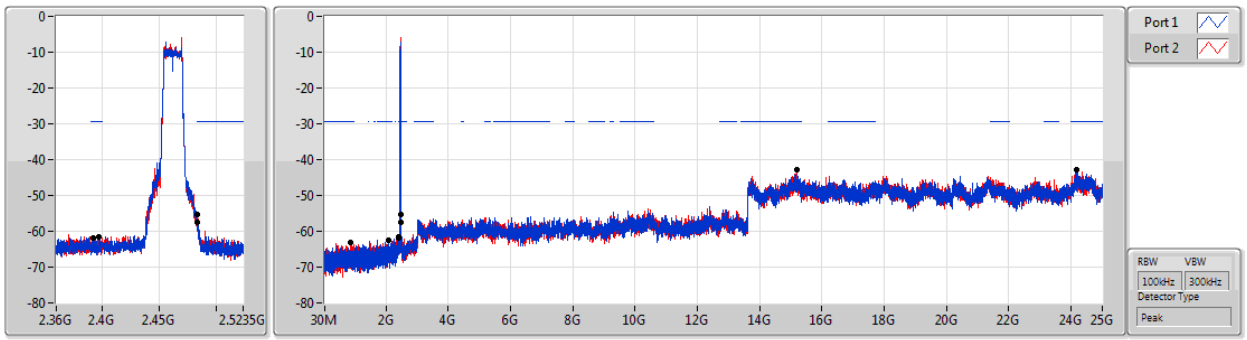


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.443253G	0.77	-29.23	2.123505G	-61.23	2.39984G	-54.39	2.48462G	-59.81	24.272323G	-43.45	1
2.443253G	0.77	-29.23	2.11768G	-61.36	2.3996G	-56.32	2.48438G	-59.01	24.640376G	-43.83	2

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

2462MHz

15/08/2018

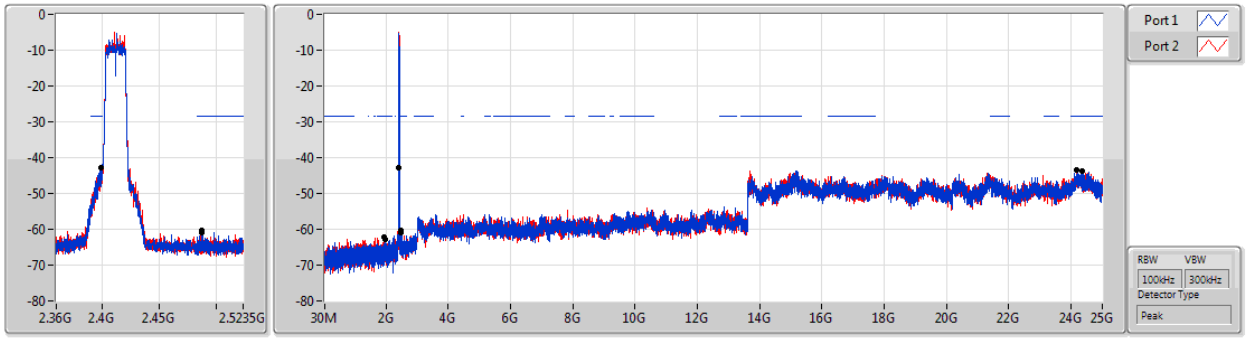


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.443253G	0.77	-29.23	2.09438G	-62.59	2.39192G	-61.86	2.48382G	-57.53	24.190846G	-42.70	1
2.443253G	0.77	-29.23	871.13M	-62.98	2.39672G	-61.58	2.48382G	-55.41	15.17496G	-42.87	2

802.11ac VHT20_Nss2,(MCS0)_2TX **CSE NdB**

2412MHz

15/08/2018

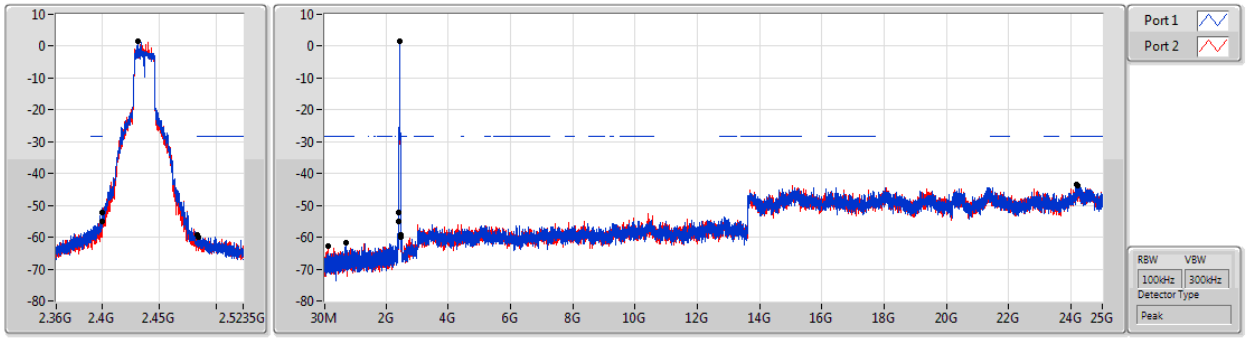


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	1.65	-28.35	1.9639G	-62.96	2.3992G	-42.69	2.48726G	-60.43	24.348182G	-43.61	1
2.431897G	1.65	-28.35	1.92196G	-62.33	2.39896G	-42.88	2.48734G	-60.80	24.16275G	-43.49	2

802.11ac VHT20_Nss2,(MCS0)_2TX **CSE NdB**

2437MHz

15/08/2018

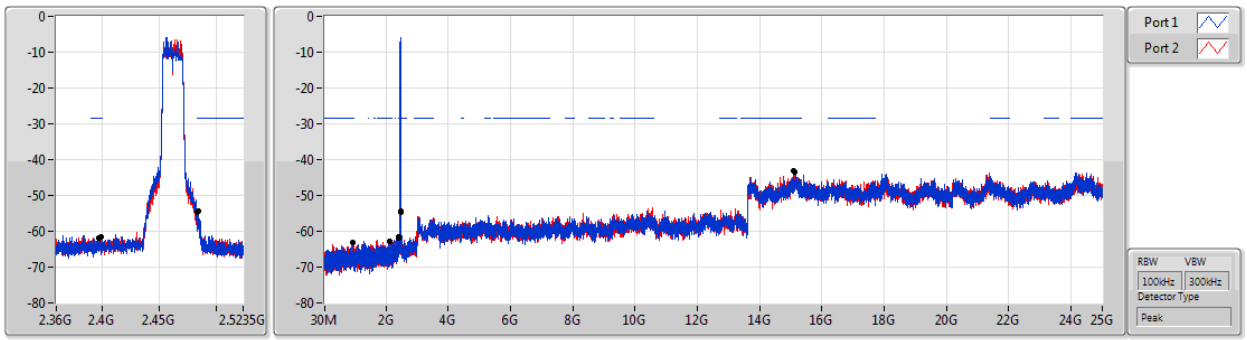


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	1.65	-28.35	701.04M	-61.89	2.39984G	-52.09	2.48358G	-59.27	24.210513G	-43.75	1
2.431897G	1.65	-28.35	148.83M	-62.87	2.39976G	-55.11	2.48398G	-60.08	24.185227G	-43.48	2

802.11ac VHT20_Nss2,(MCS0)_2TX **CSE NdB**

2462MHz

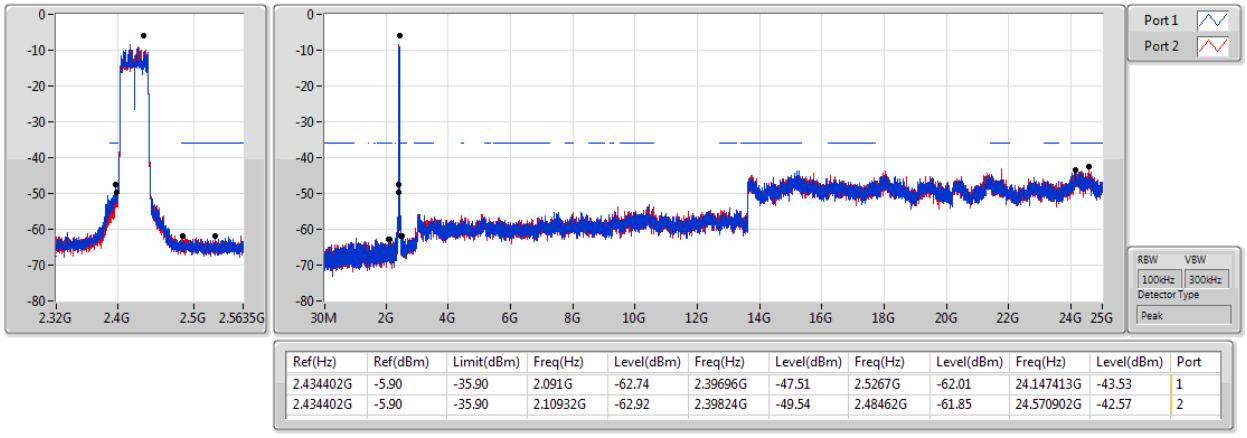
15/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	1.65	-28.35	936.37M	-63.10	2.3972G	-61.85	2.48358G	-54.54	15.068197G	-43.18	1
2.431897G	1.65	-28.35	2.12467G	-62.69	2.3992G	-61.45	2.48446G	-54.30	15.121578G	-43.51	2

802.11ac VHT40_Nss2,(MCS0)_2TX **CSE NdB**

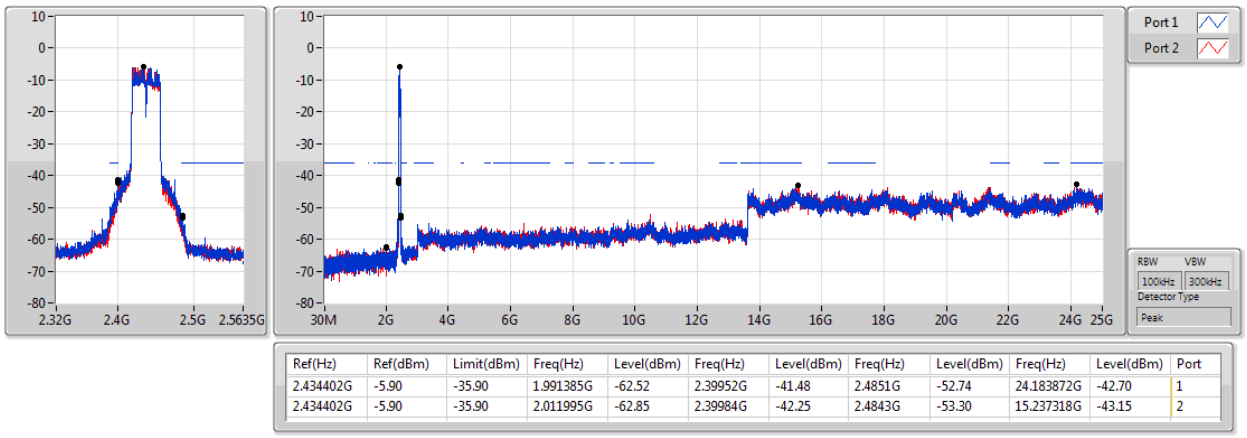
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	-5.90	-35.90	2.091G	-62.74	2.39696G	-47.51	2.5267G	-62.01	24.147413G	-43.53	1
2.434402G	-5.90	-35.90	2.10932G	-62.92	2.39824G	-49.54	2.48462G	-61.85	24.570902G	-42.57	2

802.11ac VHT40_Nss2,(MCS0)_2TX **CSE NdB**

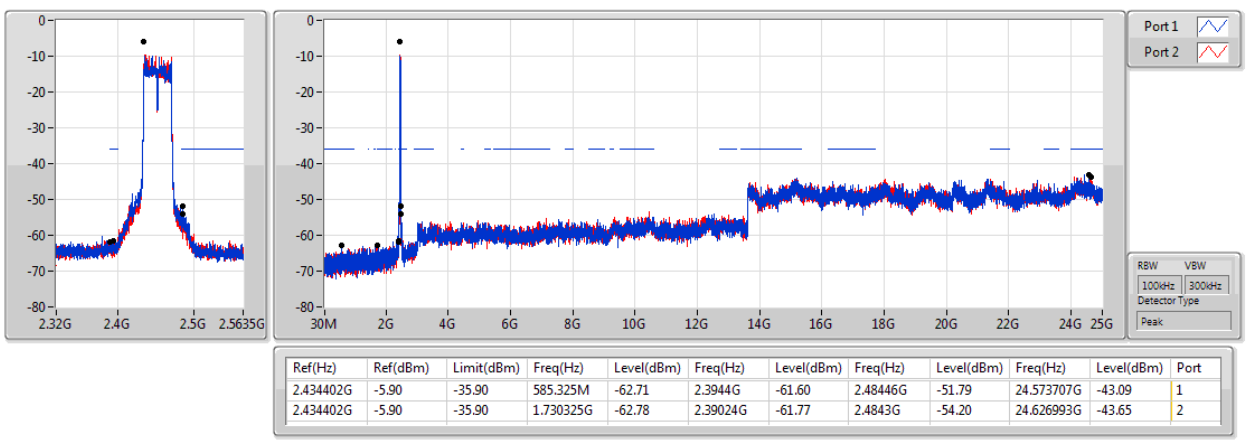
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	-5.90	-35.90	1.991385G	-62.52	2.39952G	-41.48	2.4851G	-52.74	24.183872G	-42.70	1
2.434402G	-5.90	-35.90	2.011995G	-62.85	2.39984G	-42.25	2.4843G	-53.30	15.237318G	-43.15	2

802.11ac VHT40_Nss2,(MCS0)_2TX **CSE NdB**

2452MHz

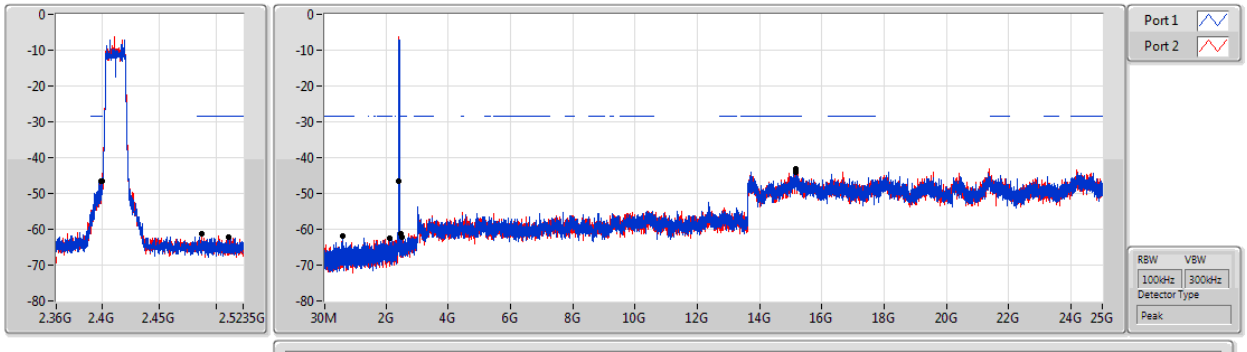


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	-5.90	-35.90	585.325M	-62.71	2.3944G	-61.60	2.48446G	-51.79	24.573707G	-43.09	1
2.434402G	-5.90	-35.90	1.730325G	-62.78	2.39024G	-61.77	2.4843G	-54.20	24.626993G	-43.65	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

2412MHz

15/08/2018

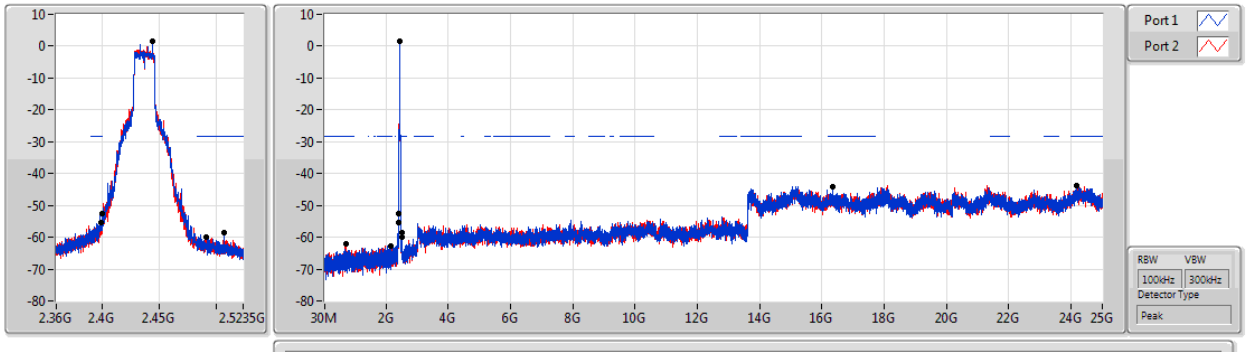


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.444422G	1.69	-28.31	620.655M	-61.74	2.39888G	-46.68	2.51046G	-62.23	15.160912G	-44.04	1
2.444422G	1.69	-28.31	2.1037G	-62.38	2.39976G	-46.67	2.48734G	-61.38	15.160912G	-43.16	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

15/08/2018

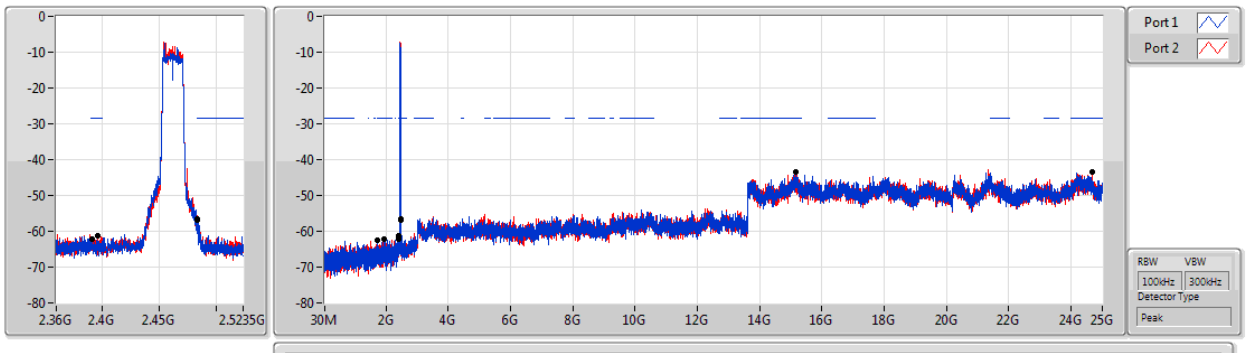


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.444422G	1.69	-28.31	2.139815G	-62.60	2.39992G	-52.53	2.50726G	-58.56	16.346548G	-44.11	1
2.444422G	1.69	-28.31	697.545M	-62.17	2.39896G	-55.24	2.49142G	-60.06	24.16837G	-43.69	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz

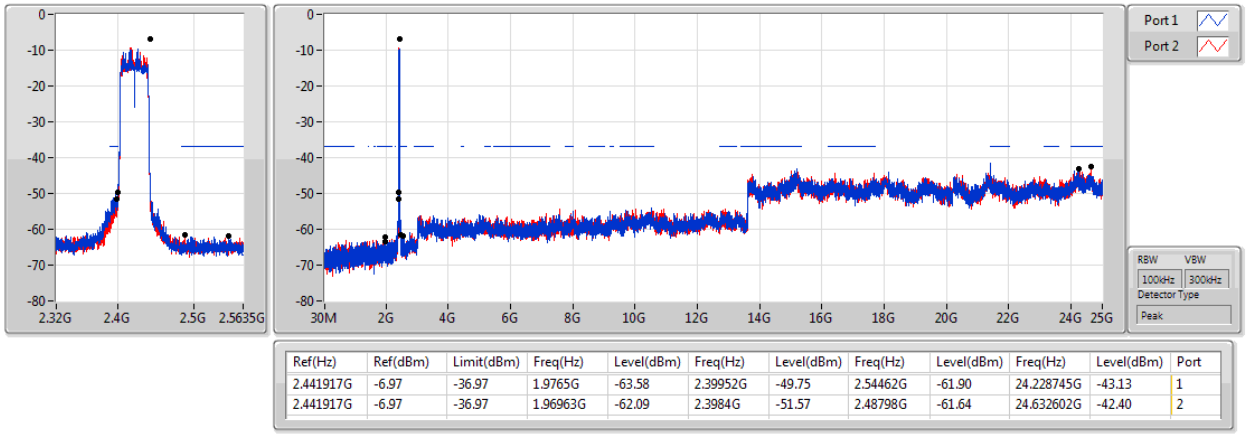
15/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.444422G	1.69	-28.31	1.94293G	-62.29	2.39128G	-62.12	2.48358G	-56.72	15.155293G	-43.32	1
2.444422G	1.69	-28.31	1.71459G	-62.41	2.39656G	-61.32	2.48382G	-56.46	24.662853G	-43.30	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

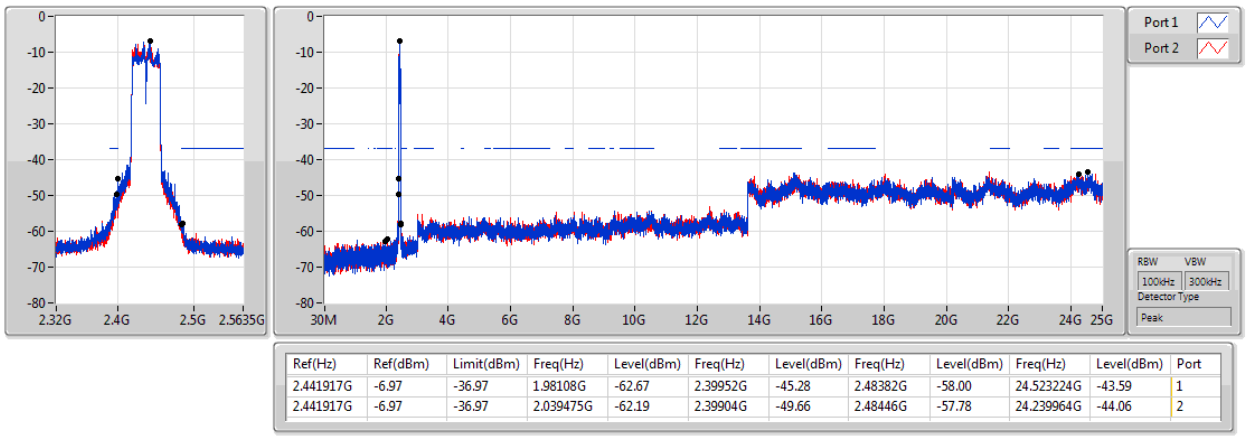
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	-6.97	-36.97	1.9765G	-63.58	2.39952G	-49.75	2.54462G	-61.90	24.228745G	-43.13	1
2.441917G	-6.97	-36.97	1.96963G	-62.09	2.3984G	-51.57	2.48798G	-61.64	24.632602G	-42.40	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

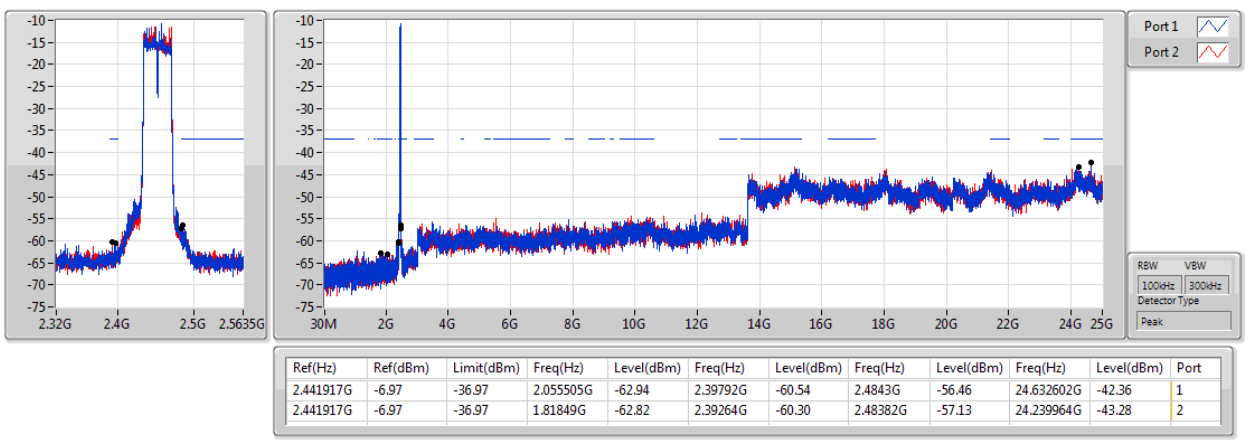
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	-6.97	-36.97	1.98108G	-62.67	2.39952G	-45.28	2.48382G	-58.00	24.523224G	-43.59	1
2.441917G	-6.97	-36.97	2.039475G	-62.19	2.39904G	-49.66	2.48446G	-57.78	24.239964G	-44.06	2

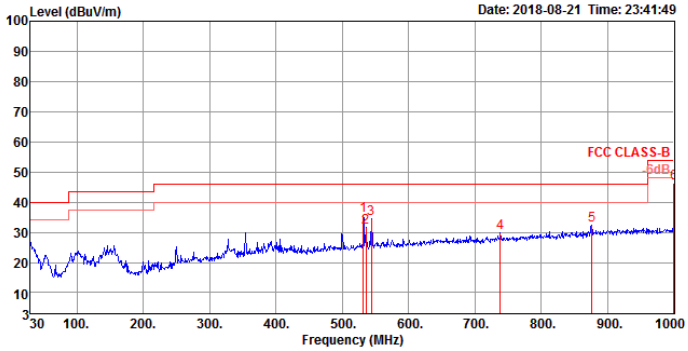
802.11ac VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	-6.97	-36.97	2.055505G	-62.94	2.39792G	-60.54	2.4843G	-56.46	24.632602G	-42.36	1
2.441917G	-6.97	-36.97	1.81849G	-62.82	2.39264G	-60.30	2.48382G	-57.13	24.239964G	-43.28	2

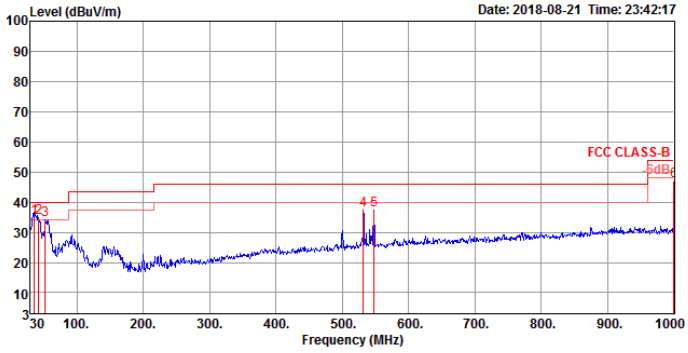
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	CTX		



	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	531.49	35.47	46.00	-10.53	40.69	2.79	24.31	32.32	100	354	Peak	HORIZONTAL
2	535.37	31.58	46.00	-14.42	36.73	2.80	24.37	32.32	300	225	Peak	HORIZONTAL
3	544.10	34.35	46.00	-11.65	39.38	2.82	24.49	32.34	300	225	Peak	HORIZONTAL
4	738.10	29.85	46.00	-16.15	33.04	3.28	26.05	32.52	300	266	Peak	HORIZONTAL
5	875.84	32.38	46.00	-13.62	33.74	3.60	27.50	32.46	100	114	Peak	HORIZONTAL
6	1000.00	46.26	54.00	-7.74	46.67	3.75	28.30	32.46	100	237	Peak	HORIZONTAL

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

RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	35.82	34.78	40.00	-5.22	43.38	0.74	22.25	31.59	100	39	QP	VERTICAL
2	42.61	34.95	40.00	-5.05	47.51	0.80	18.32	31.68	100	360	Peak	VERTICAL
3	52.31	34.13	40.00	-5.87	50.77	0.88	14.25	31.77	100	1	Peak	VERTICAL
4	531.49	37.52	46.00	-8.48	42.74	2.79	24.31	32.32	100	93	Peak	VERTICAL
5	547.98	37.39	46.00	-8.61	42.36	2.83	24.54	32.34	100	217	Peak	VERTICAL
6	1000.00	47.16	54.00	-6.84	47.57	3.75	28.30	32.46	100	209	Peak	VERTICAL

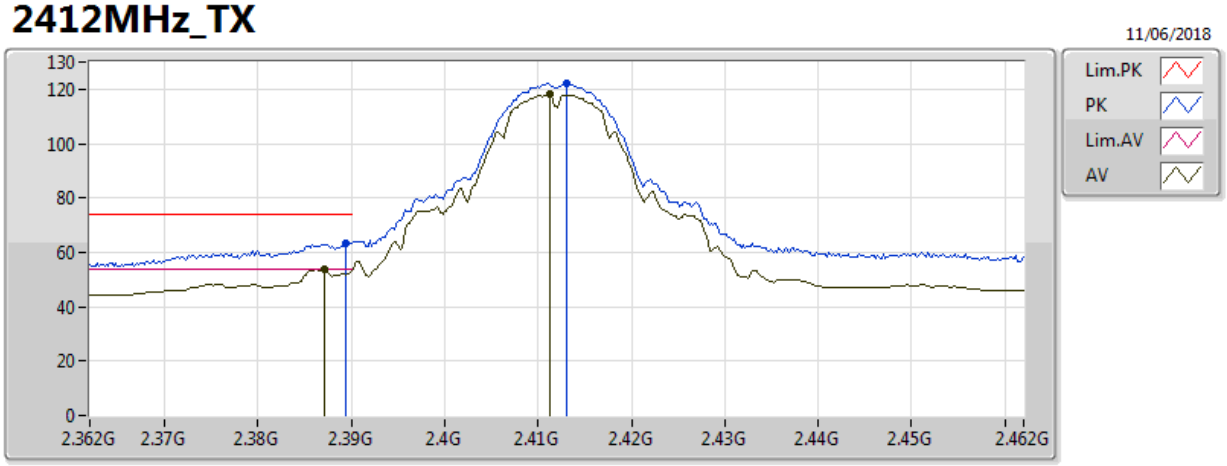
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss2,(MCS0)_2TX	Pass	AV	2.483502G	53.98	54.00	-0.02	32.32	3	Vertical	32	1.80	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

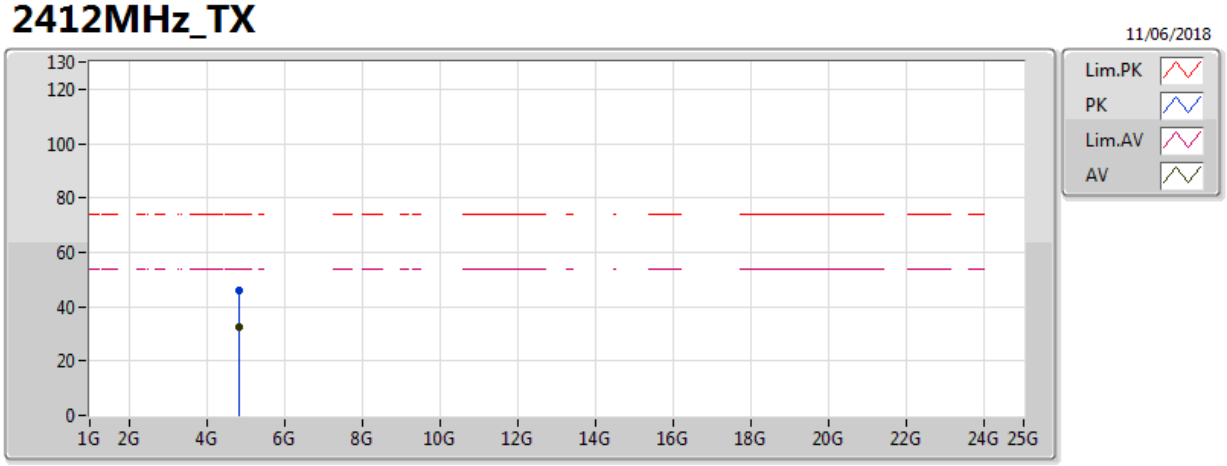


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	63.47	74.00	-10.53	32.02	3	Vertical	18	1.83	-
AV	2.3872G	53.89	54.00	-0.11	32.01	3	Vertical	18	1.83	-
PK	2.413G	121.98	Inf	-Inf	32.09	3	Vertical	18	1.83	-
AV	2.4112G	118.11	Inf	-Inf	32.09	3	Vertical	18	1.83	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

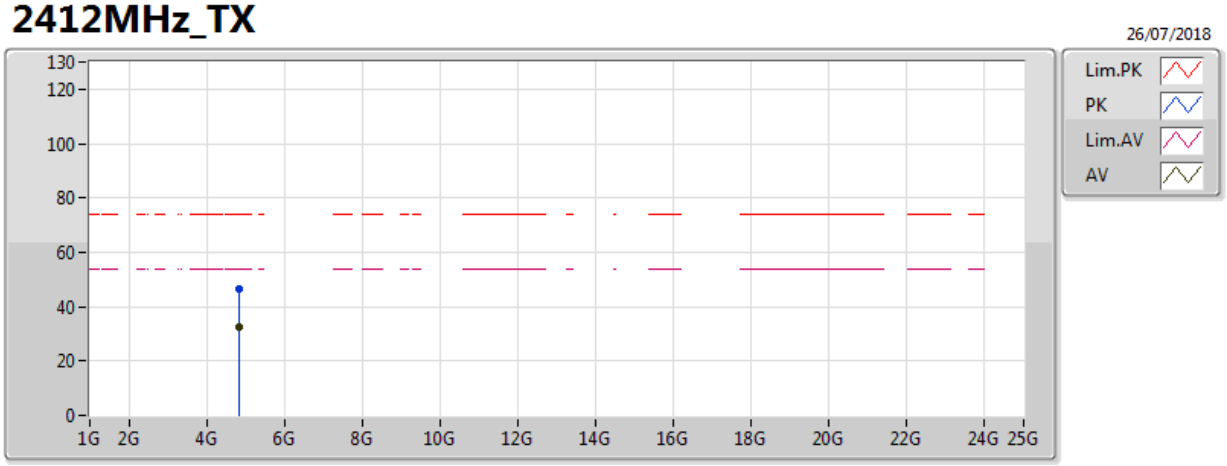


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8208G	46.17	74.00	-27.83	6.51	3	Vertical	276	1.50	-
AV	4.8328G	32.26	54.00	-21.74	6.54	3	Vertical	276	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

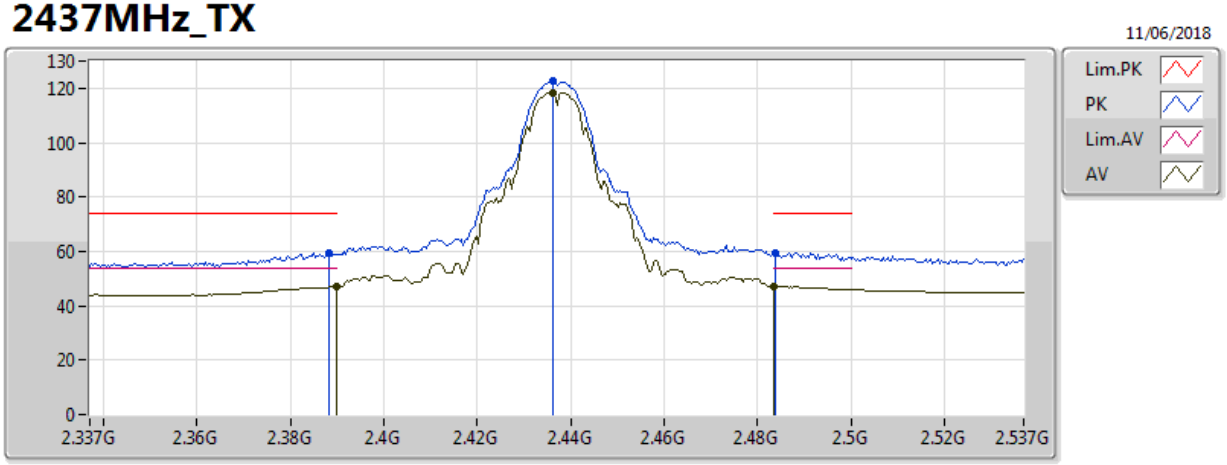


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83368G	46.29	74.00	-27.71	6.67	3	Horizontal	130	1.50	-
AV	4.83192G	32.22	54.00	-21.78	6.67	3	Horizontal	130	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

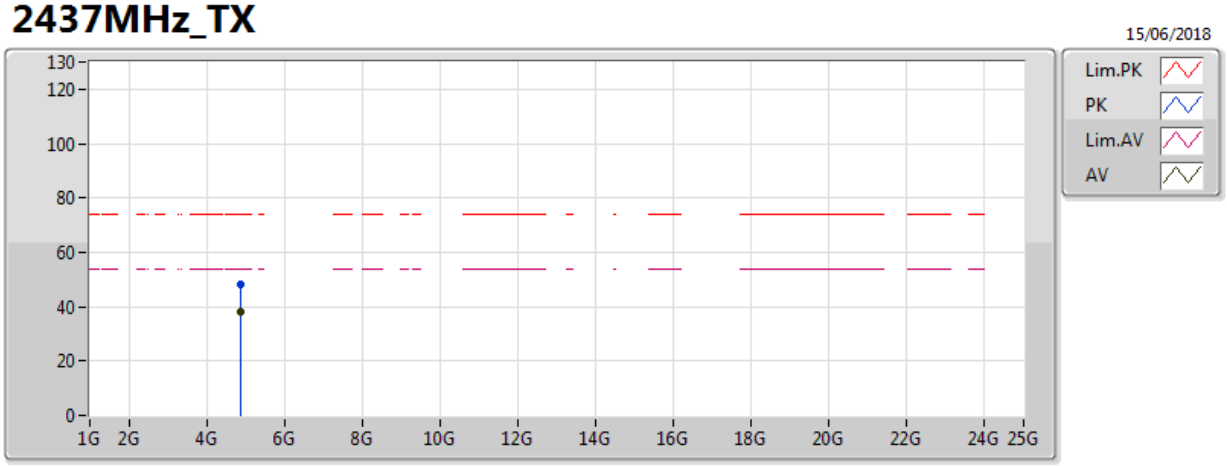


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	59.59	74.00	-14.41	32.01	3	Vertical	20	1.99	-
AV	2.3898G	47.25	54.00	-6.75	32.01	3	Vertical	20	1.99	-
PK	2.4362G	122.52	Inf	-Inf	32.17	3	Vertical	20	1.99	-
AV	2.4362G	118.51	Inf	-Inf	32.17	3	Vertical	20	1.99	-
PK	2.4838G	59.56	74.00	-14.44	32.32	3	Vertical	20	1.99	-
AV	2.483502G	47.32	54.00	-6.68	32.32	3	Vertical	20	1.99	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

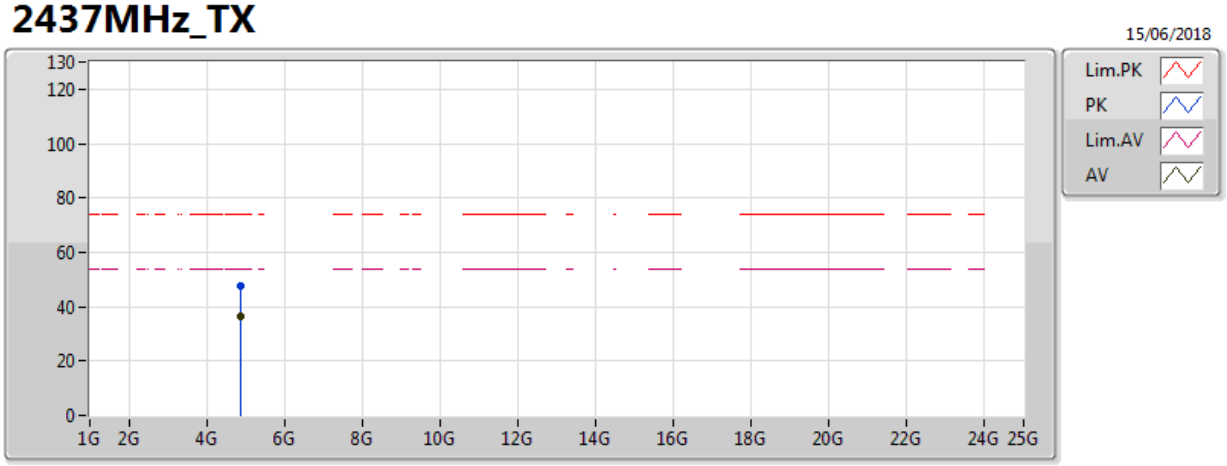


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87388G	48.23	74.00	-25.77	6.79	3	Vertical	196	1.11	-
AV	4.87394G	38.19	54.00	-15.81	6.79	3	Vertical	196	1.11	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

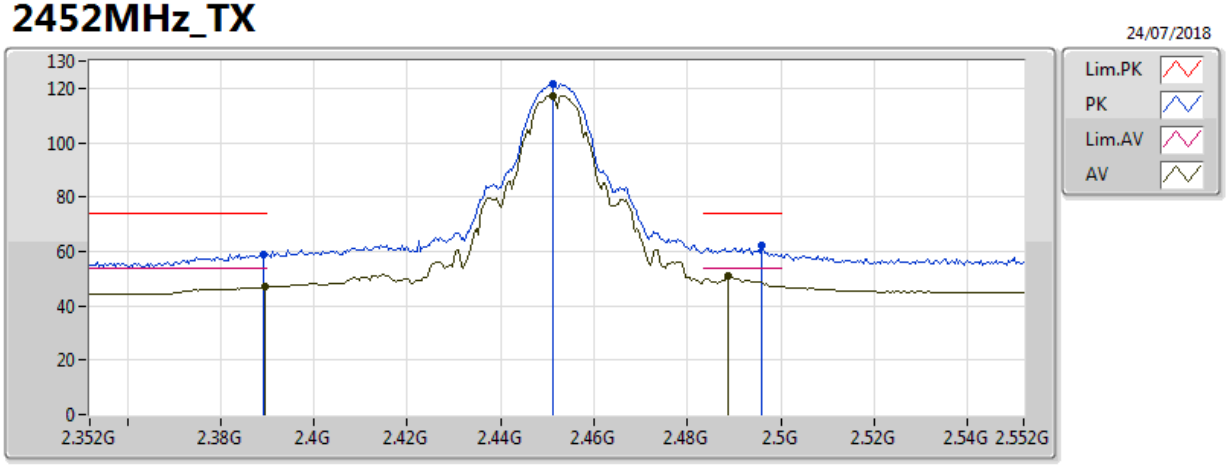


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87418G	47.68	74.00	-26.32	6.64	3	Horizontal	69	1.07	-
AV	4.87388G	36.48	54.00	-17.52	6.64	3	Horizontal	69	1.07	-

802.11b_Nss1,(1Mbps)_2TX

2452MHz_TX

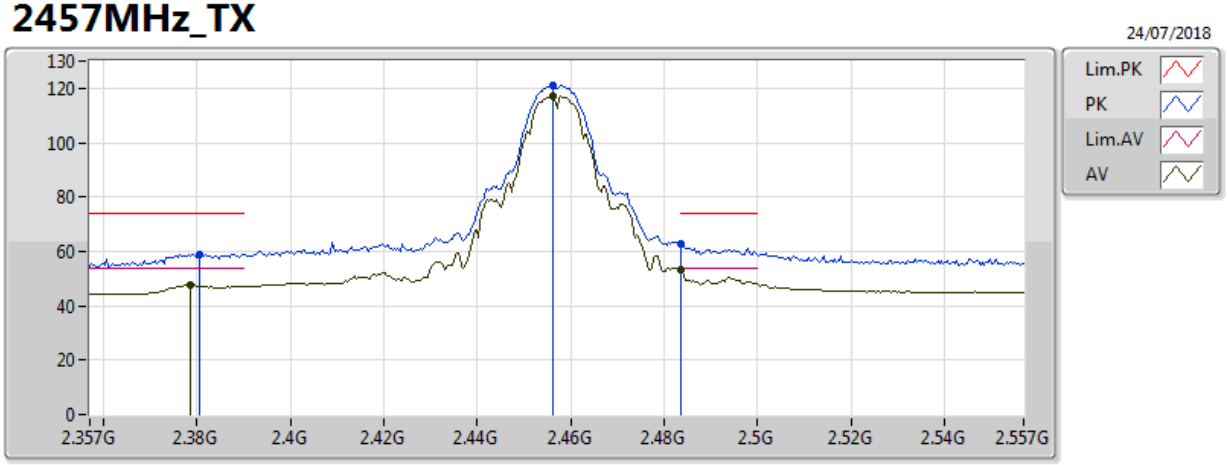


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	58.85	74.00	-15.15	32.14	3	Vertical	25	2.11	-
AV	2.3896G	46.92	54.00	-7.08	32.14	3	Vertical	25	2.11	-
PK	2.4512G	121.37	Inf	-Inf	32.33	3	Vertical	25	2.11	-
AV	2.4512G	117.36	Inf	-Inf	32.33	3	Vertical	25	2.11	-
PK	2.496G	62.11	74.00	-11.89	32.46	3	Vertical	25	2.11	-
AV	2.4888G	50.98	54.00	-3.02	32.45	3	Vertical	25	2.11	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

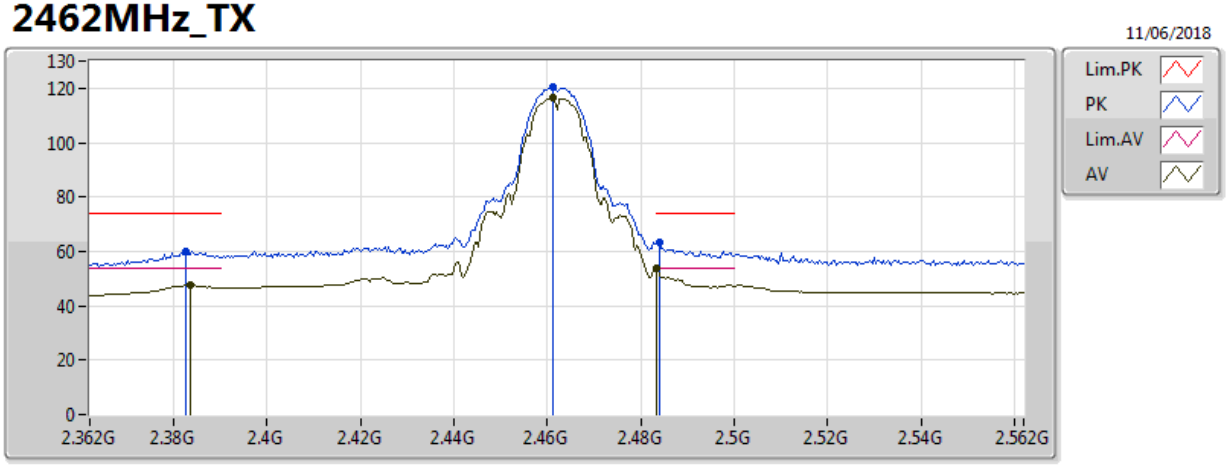


EUT Z_2TX
Setting 100
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3806G	59.09	74.00	-14.91	32.12	3	Vertical	24	2.15	-
AV	2.3786G	47.59	54.00	-6.41	32.11	3	Vertical	24	2.15	-
PK	2.4562G	121.16	Inf	-Inf	32.34	3	Vertical	24	2.15	-
AV	2.4562G	117.11	Inf	-Inf	32.34	3	Vertical	24	2.15	-
PK	2.483502G	62.76	74.00	-11.24	32.42	3	Vertical	24	2.15	-
AV	2.483502G	53.33	54.00	-0.67	32.42	3	Vertical	24	2.15	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

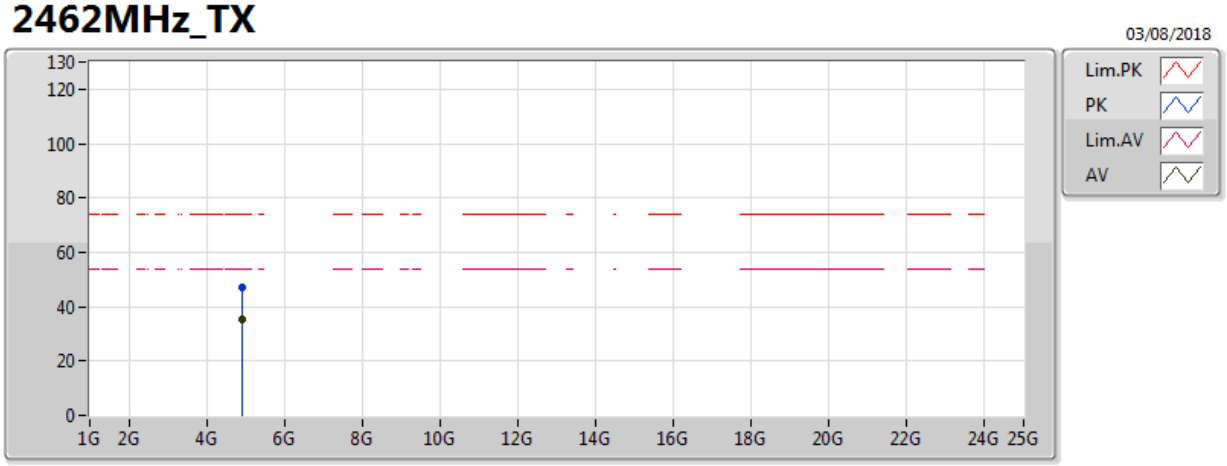


EUT Z_2TX
Setting 94
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3824G	59.86	74.00	-14.14	31.99	3	Vertical	20	1.96	-
AV	2.3836G	47.62	54.00	-6.38	32.00	3	Vertical	20	1.96	-
PK	2.4612G	120.33	Inf	-Inf	32.25	3	Vertical	20	1.96	-
AV	2.4612G	116.42	Inf	-Inf	32.25	3	Vertical	20	1.96	-
PK	2.484G	63.26	74.00	-10.74	32.32	3	Vertical	20	1.96	-
AV	2.483502G	53.83	54.00	-0.17	32.32	3	Vertical	20	1.96	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

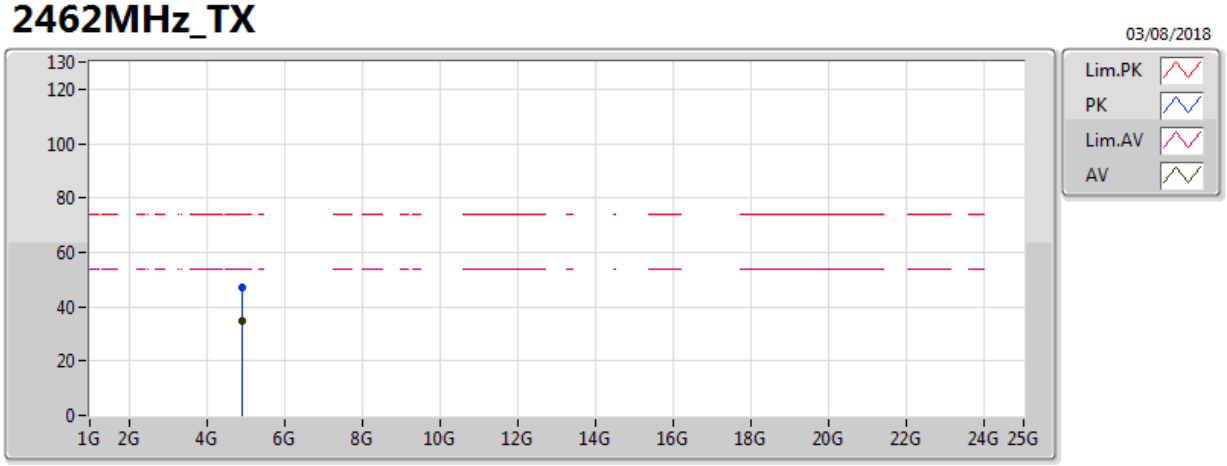


EUT Z_2TX
Setting 94
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92396G	47.14	74.00	-26.86	6.93	3	Vertical	229	1.15	-
AV	4.92392G	35.19	54.00	-18.81	6.93	3	Vertical	229	1.15	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

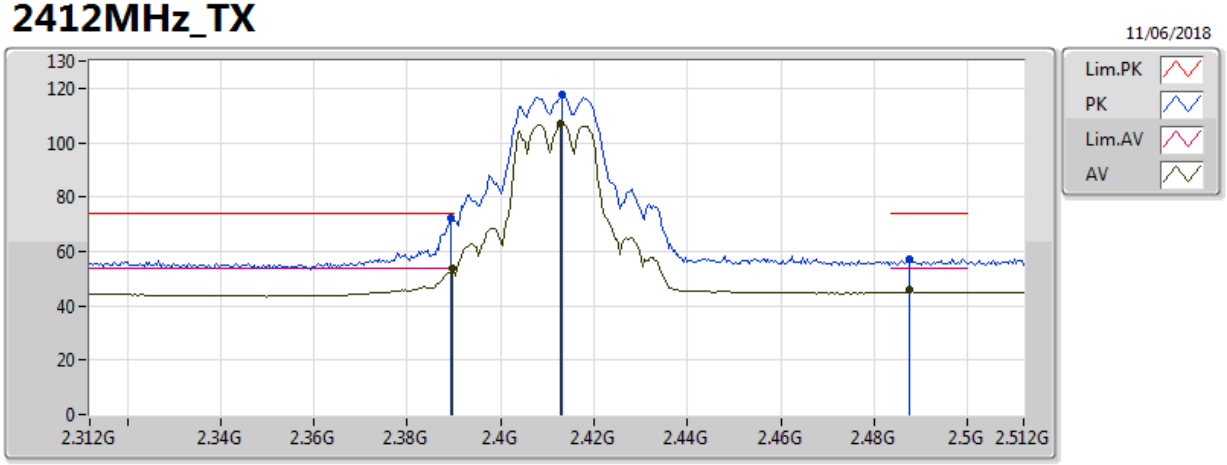


EUT Z_2TX
Setting 94
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91768G	47.22	74.00	-26.78	6.91	3	Horizontal	164	1.02	-
AV	4.924G	34.69	54.00	-19.31	6.93	3	Horizontal	164	1.02	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

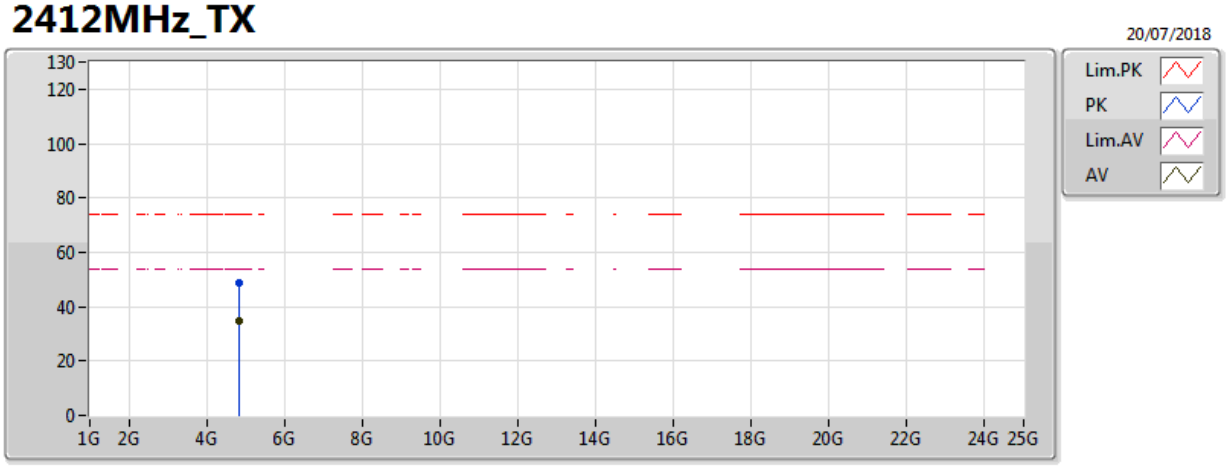


EUT Z_2TX
Setting 81
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	72.50	74.00	-1.50	32.02	3	Vertical	28	1.86	-
AV	2.3896G	53.78	54.00	-0.22	32.02	3	Vertical	28	1.86	-
PK	2.4132G	117.48	Inf	-Inf	32.09	3	Vertical	28	1.86	-
AV	2.4128G	107.11	Inf	-Inf	32.09	3	Vertical	28	1.86	-
PK	2.4876G	57.34	74.00	-16.66	32.33	3	Vertical	28	1.86	-
AV	2.4876G	45.85	54.00	-8.15	32.33	3	Vertical	28	1.86	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

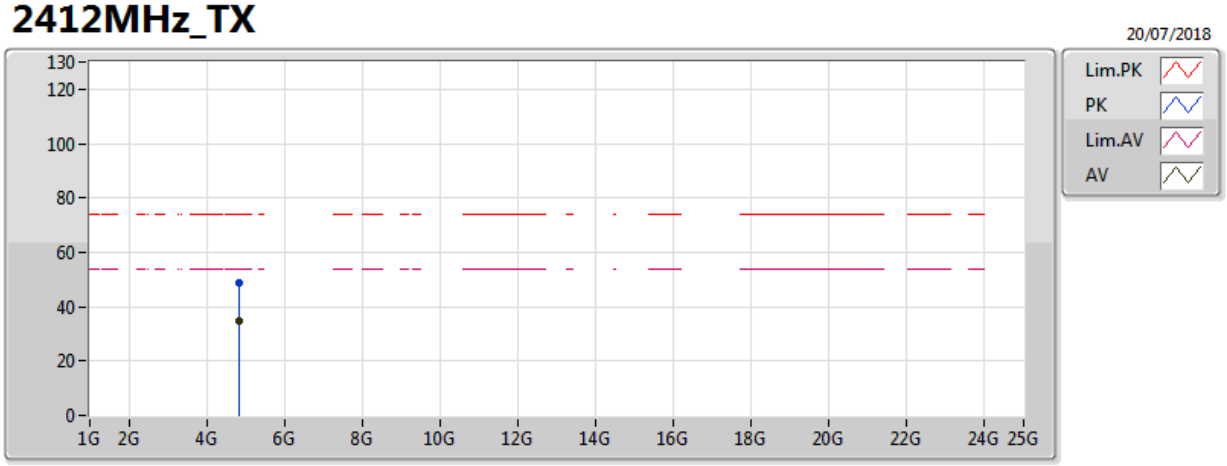


EUT Z_2TX
Setting 81
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82688G	48.83	74.00	-25.17	6.87	3	Vertical	79	2.09	-
AV	4.83606G	34.57	54.00	-19.43	6.90	3	Vertical	79	2.09	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

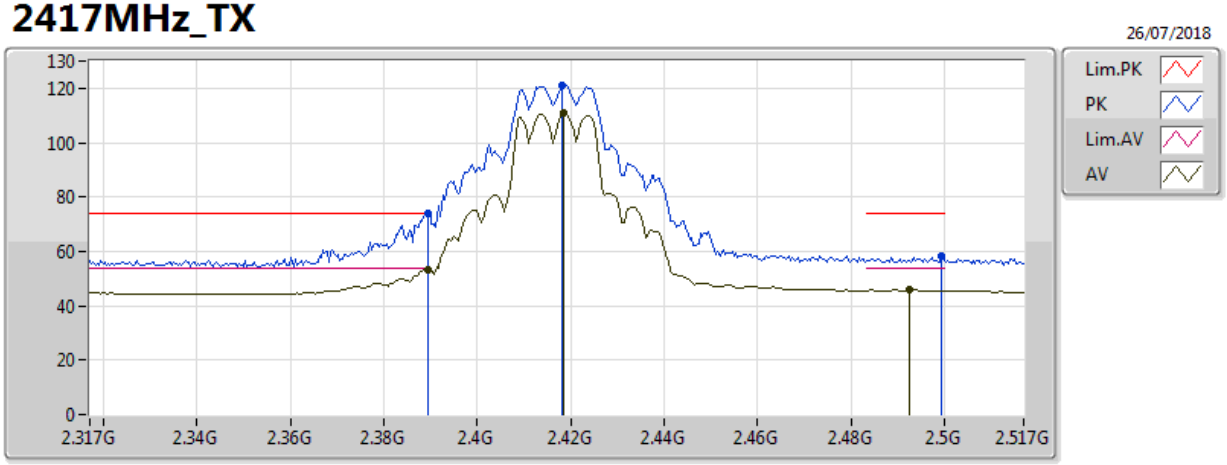


EUT Z_2TX
Setting 81
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8288G	48.65	74.00	-25.35	6.88	3	Horizontal	310	2.43	-
AV	4.83474G	34.58	54.00	-19.42	6.89	3	Horizontal	310	2.43	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

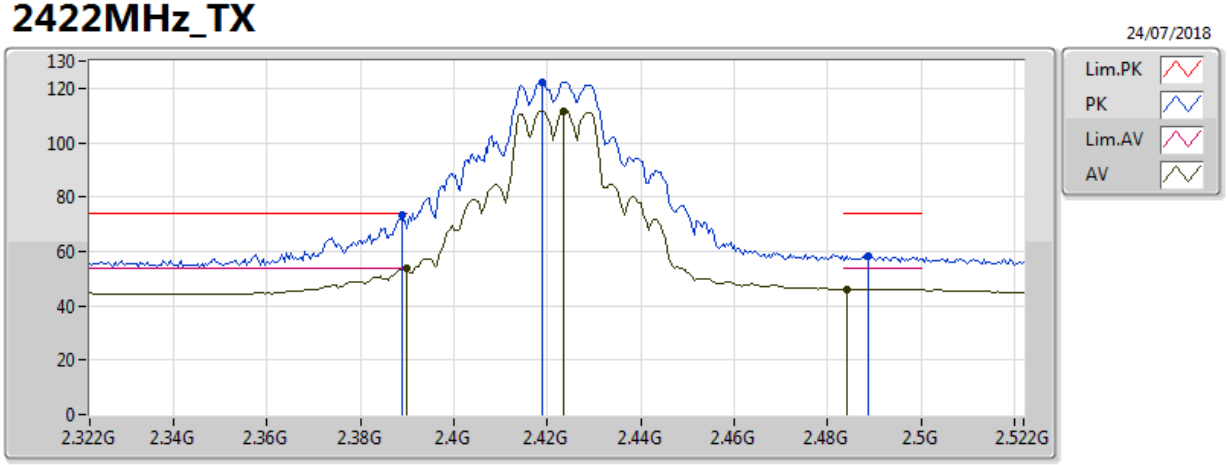


EUT Z_2TX
Setting 94
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	73.87	74.00	-0.13	32.14	3	Vertical	36	2.44	-
AV	2.3894G	53.50	54.00	-0.50	32.14	3	Vertical	36	2.44	-
PK	2.4182G	121.05	Inf	-Inf	32.23	3	Vertical	36	2.44	-
AV	2.4186G	110.67	Inf	-Inf	32.23	3	Vertical	36	2.44	-
PK	2.4994G	58.04	74.00	-15.96	32.47	3	Vertical	36	2.44	-
AV	2.4926G	46.08	54.00	-7.92	32.45	3	Vertical	36	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

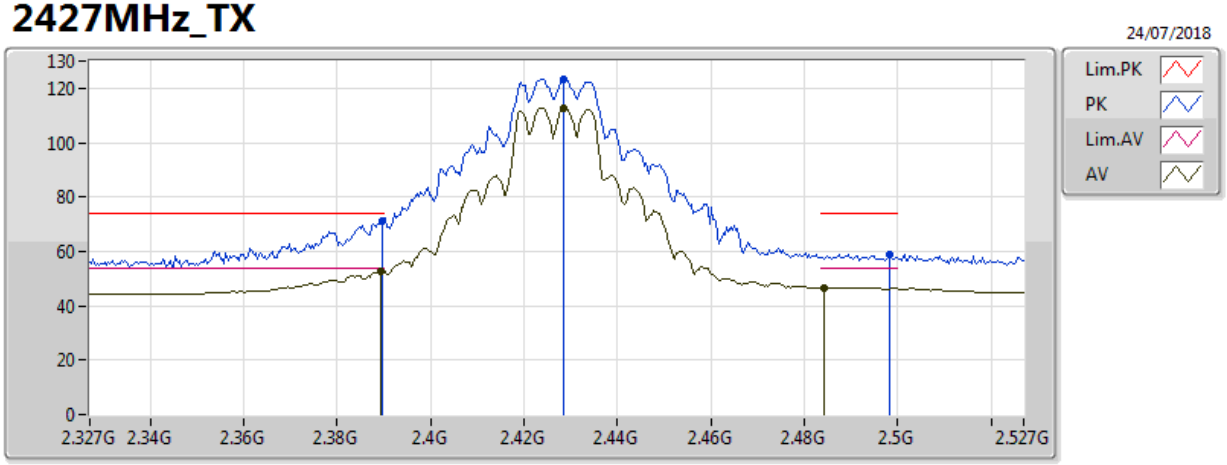


EUT Z_2TX
Setting 99
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	73.17	74.00	-0.83	32.13	3	Vertical	37	2.45	-
AV	2.389998G	53.77	54.00	-0.23	32.14	3	Vertical	37	2.45	-
PK	2.4188G	122.20	Inf	-Inf	32.23	3	Vertical	37	2.45	-
AV	2.4236G	111.78	Inf	-Inf	32.24	3	Vertical	37	2.45	-
PK	2.4888G	58.25	74.00	-15.75	32.45	3	Vertical	37	2.45	-
AV	2.484G	46.11	54.00	-7.89	32.42	3	Vertical	37	2.45	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

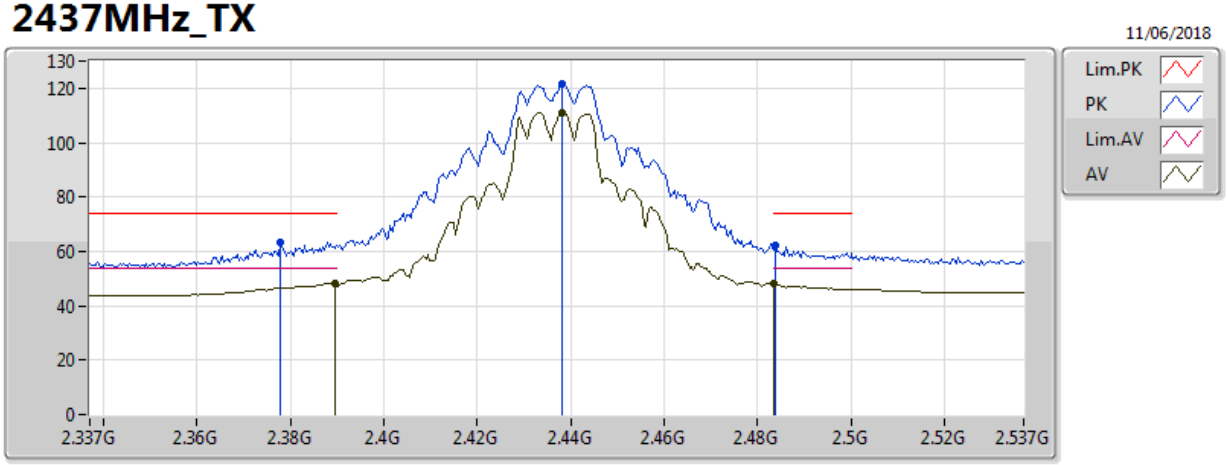


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	71.27	74.00	-2.73	32.14	3	Vertical	37	2.47	-
AV	2.3894G	52.86	54.00	-1.14	32.14	3	Vertical	37	2.47	-
PK	2.4286G	123.39	Inf	-Inf	32.26	3	Vertical	37	2.47	-
AV	2.4286G	112.80	Inf	-Inf	32.26	3	Vertical	37	2.47	-
PK	2.4982G	58.84	74.00	-15.16	32.47	3	Vertical	37	2.47	-
AV	2.4842G	46.66	54.00	-7.34	32.43	3	Vertical	37	2.47	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

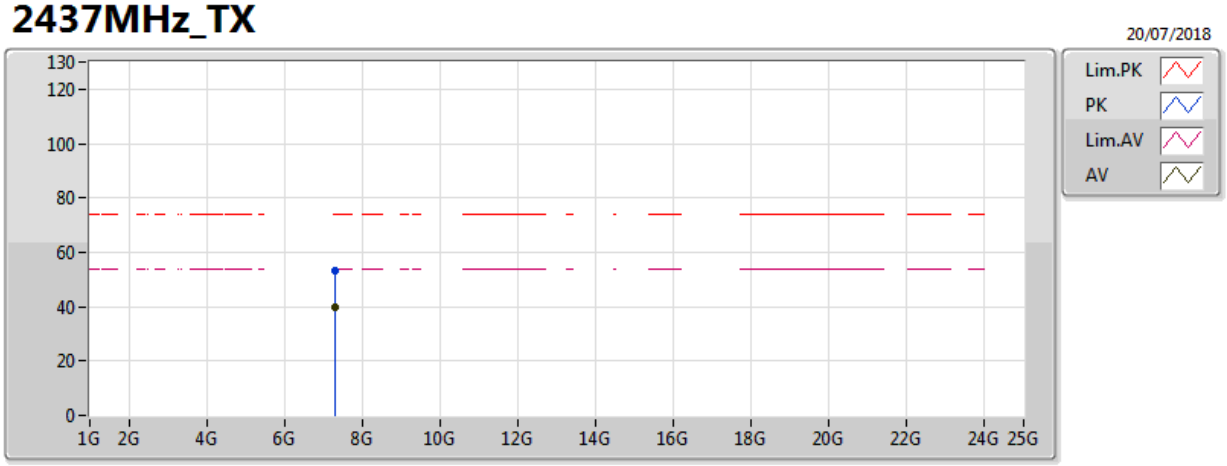


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3778G	63.54	74.00	-10.46	31.97	3	Vertical	28	1.95	-
AV	2.3894G	48.43	54.00	-5.57	32.01	3	Vertical	28	1.95	-
PK	2.4382G	121.43	Inf	-Inf	32.17	3	Vertical	28	1.95	-
AV	2.4382G	111.18	Inf	-Inf	32.17	3	Vertical	28	1.95	-
PK	2.4838G	62.03	74.00	-11.97	32.32	3	Vertical	28	1.95	-
AV	2.483502G	48.29	54.00	-5.71	32.32	3	Vertical	28	1.95	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

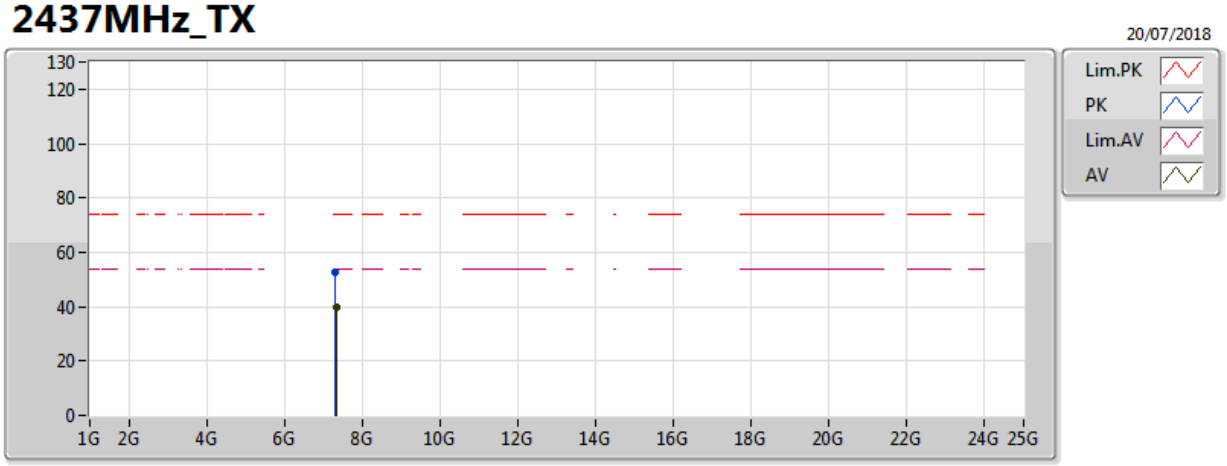


EUT Z_2TX
Setting 111
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.31826G	53.49	74.00	-20.51	11.70	3	Vertical	244	1.50	-
AV	7.32168G	39.97	54.00	-14.03	11.70	3	Vertical	244	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

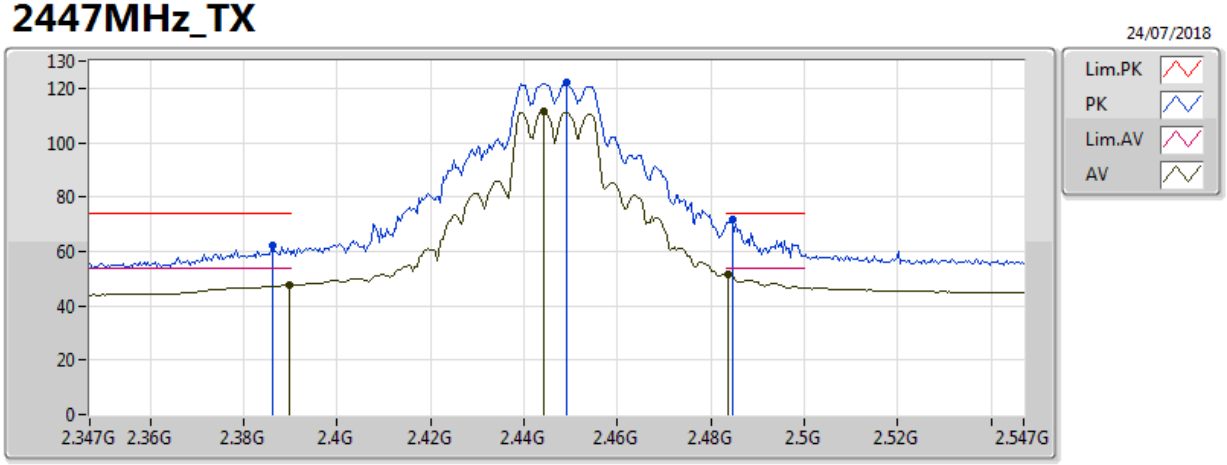


EUT Z_2TX
Setting 111
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.31148G	52.94	74.00	-21.06	11.70	3	Horizontal	96	2.12	-
AV	7.32444G	39.66	54.00	-14.34	11.70	3	Horizontal	96	2.12	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

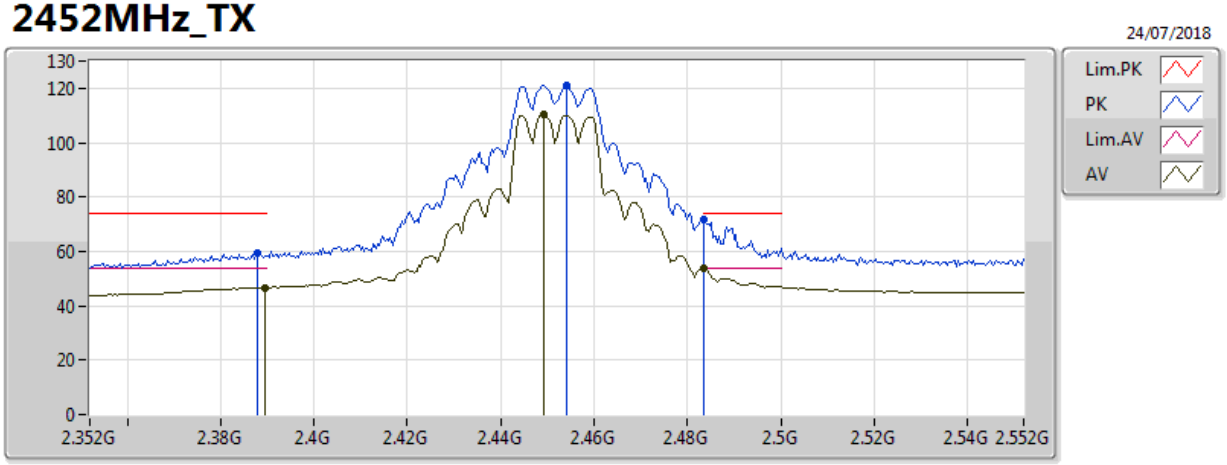


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3862G	62.19	74.00	-11.81	32.13	3	Vertical	40	1.97	-
AV	2.3898G	47.64	54.00	-6.36	32.14	3	Vertical	40	1.97	-
PK	2.449G	121.97	Inf	-Inf	32.32	3	Vertical	40	1.97	-
AV	2.4442G	111.41	Inf	-Inf	32.30	3	Vertical	40	1.97	-
PK	2.4846G	71.52	74.00	-2.48	32.43	3	Vertical	40	1.97	-
AV	2.4838G	51.51	54.00	-2.49	32.42	3	Vertical	40	1.97	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

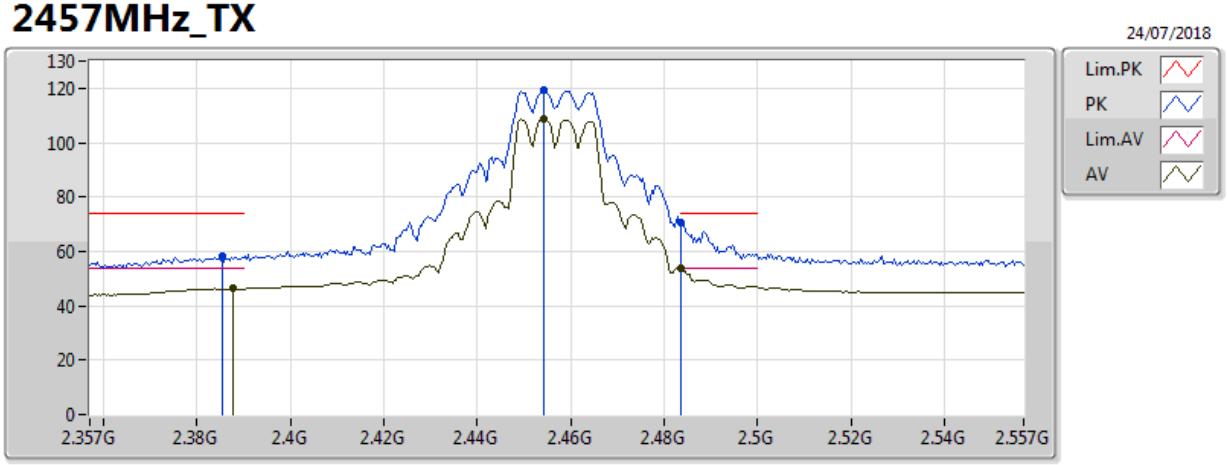


EUT Z_2TX
Setting 97
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.388G	59.20	74.00	-14.80	32.13	3	Vertical	41	1.92	-
AV	2.3896G	46.72	54.00	-7.28	32.14	3	Vertical	41	1.92	-
PK	2.454G	120.98	Inf	-Inf	32.33	3	Vertical	41	1.92	-
AV	2.4492G	110.27	Inf	-Inf	32.32	3	Vertical	41	1.92	-
PK	2.483502G	71.90	74.00	-2.10	32.42	3	Vertical	41	1.92	-
AV	2.483502G	53.87	54.00	-0.13	32.42	3	Vertical	41	1.92	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

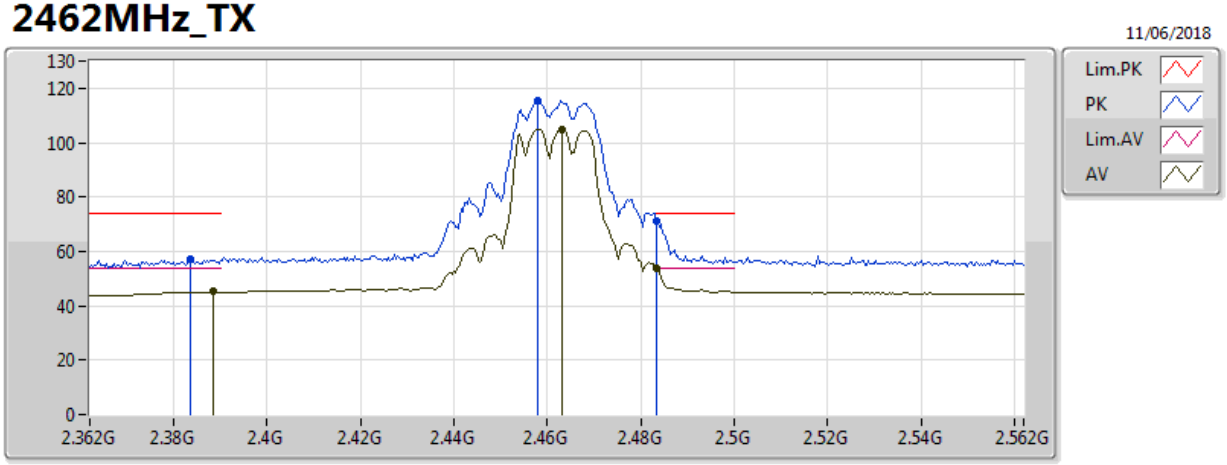


EUT Z_2TX
Setting 91
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3854G	58.37	74.00	-15.63	32.13	3	Vertical	42	2.13	-
AV	2.3878G	46.28	54.00	-7.72	32.13	3	Vertical	42	2.13	-
PK	2.4542G	119.39	Inf	-Inf	32.34	3	Vertical	42	2.13	-
AV	2.4542G	108.77	Inf	-Inf	32.34	3	Vertical	42	2.13	-
PK	2.483502G	70.46	74.00	-3.54	32.42	3	Vertical	42	2.13	-
AV	2.483502G	53.83	54.00	-0.17	32.42	3	Vertical	42	2.13	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

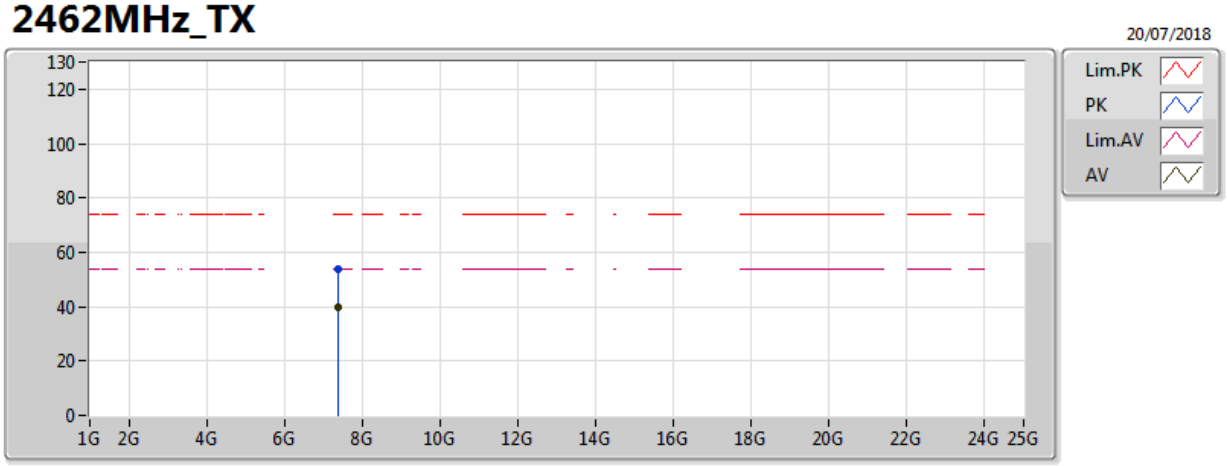


EUT Z_2TX
Setting 75
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3836G	57.05	74.00	-16.95	32.00	3	Vertical	29	1.98	-
AV	2.3884G	45.12	54.00	-8.88	32.01	3	Vertical	29	1.98	-
PK	2.458G	115.35	Inf	-Inf	32.24	3	Vertical	29	1.98	-
AV	2.4632G	105.03	Inf	-Inf	32.26	3	Vertical	29	1.98	-
PK	2.483502G	71.42	74.00	-2.58	32.32	3	Vertical	29	1.98	-
AV	2.483502G	53.76	54.00	-0.24	32.32	3	Vertical	29	1.98	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

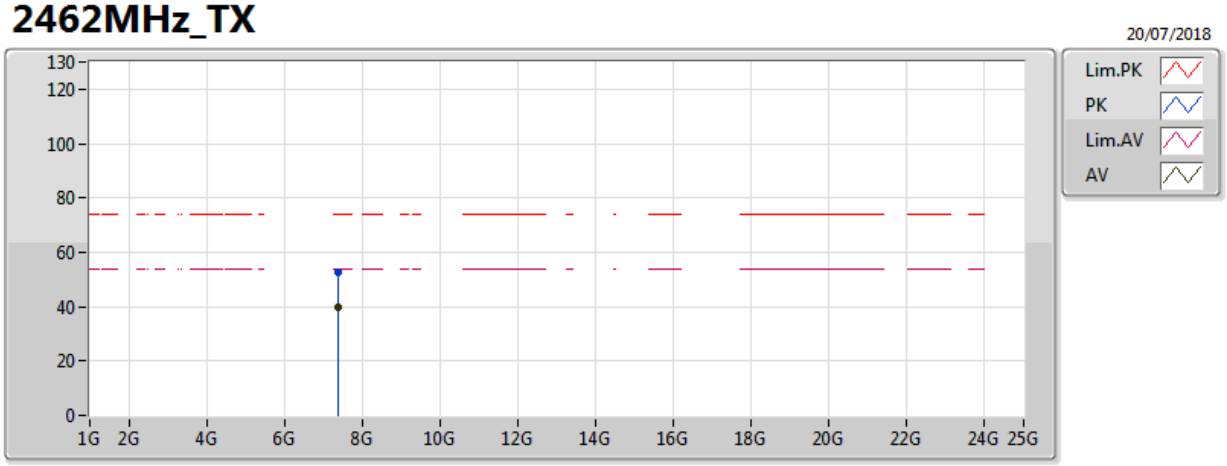


EUT Z_2TX
Setting 75
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.39386G	53.78	74.00	-20.22	11.68	3	Vertical	235	2.42	-
AV	7.39992G	39.54	54.00	-14.46	11.68	3	Vertical	235	2.42	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

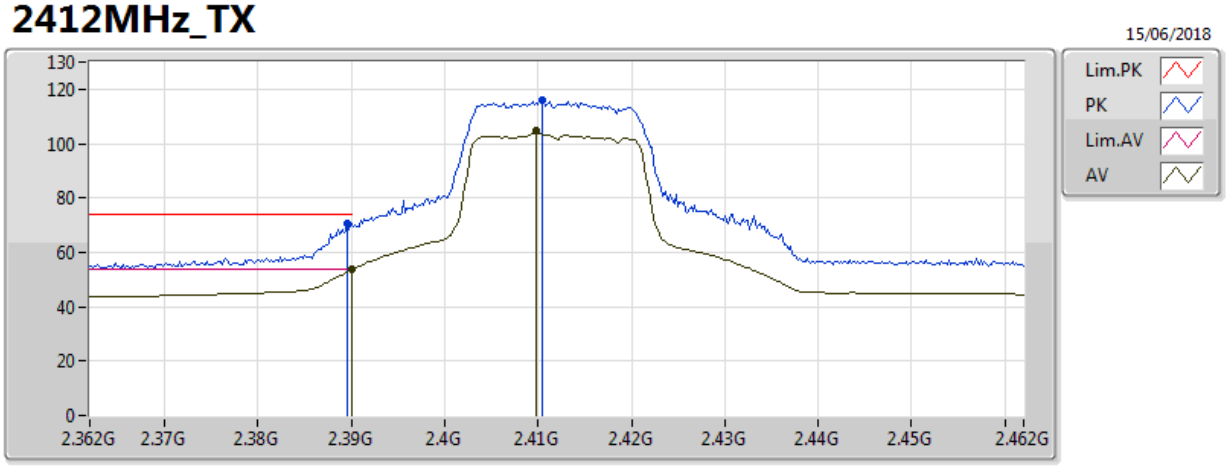


EUT Z_2TX
Setting 75
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.38264G	52.93	74.00	-21.07	11.68	3	Horizontal	97	2.04	-
AV	7.39932G	39.52	54.00	-14.48	11.68	3	Horizontal	97	2.04	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2412MHz_TX

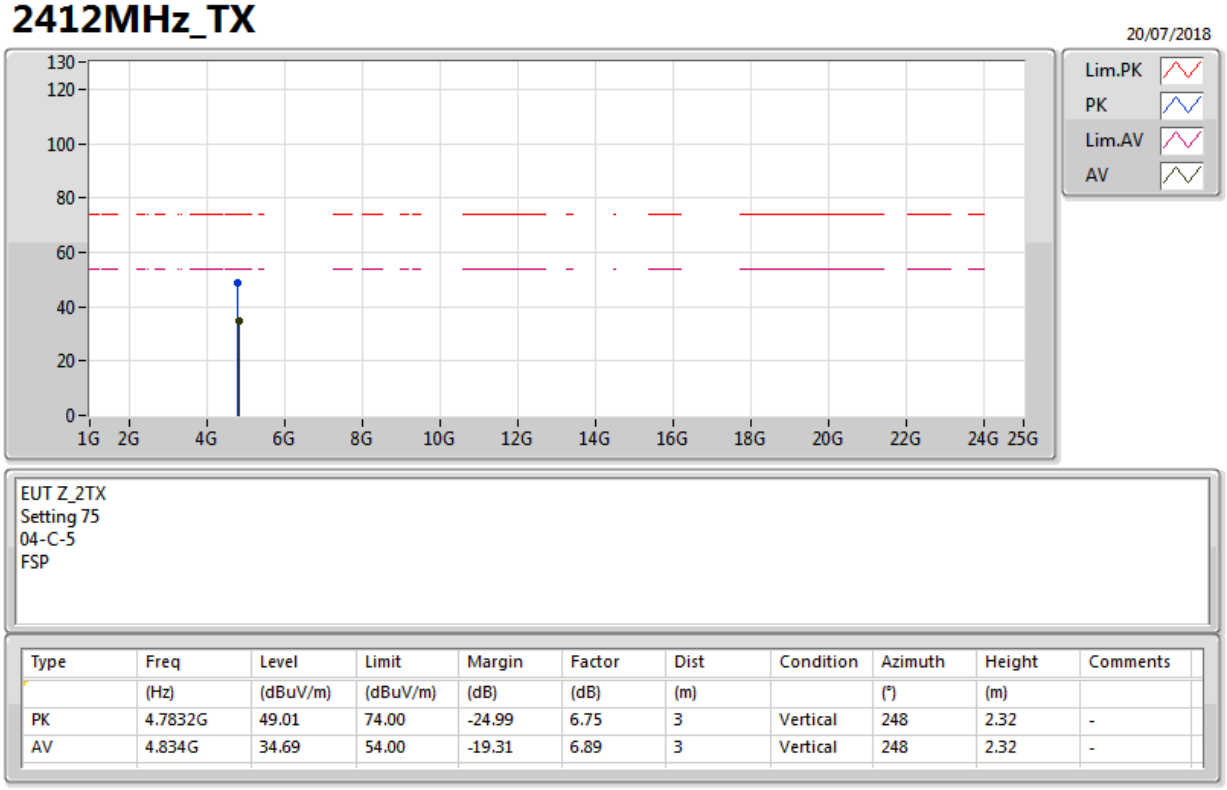


EUT Z_2TX
Setting 75
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	70.54	74.00	-3.46	32.02	3	Vertical	24	2.29	-
AV	2.389998G	53.81	54.00	-0.19	32.02	3	Vertical	24	2.29	-
PK	2.4104G	115.91	Inf	-Inf	32.08	3	Vertical	24	2.29	-
AV	2.4098G	104.54	Inf	-Inf	32.08	3	Vertical	24	2.29	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2412MHz_TX

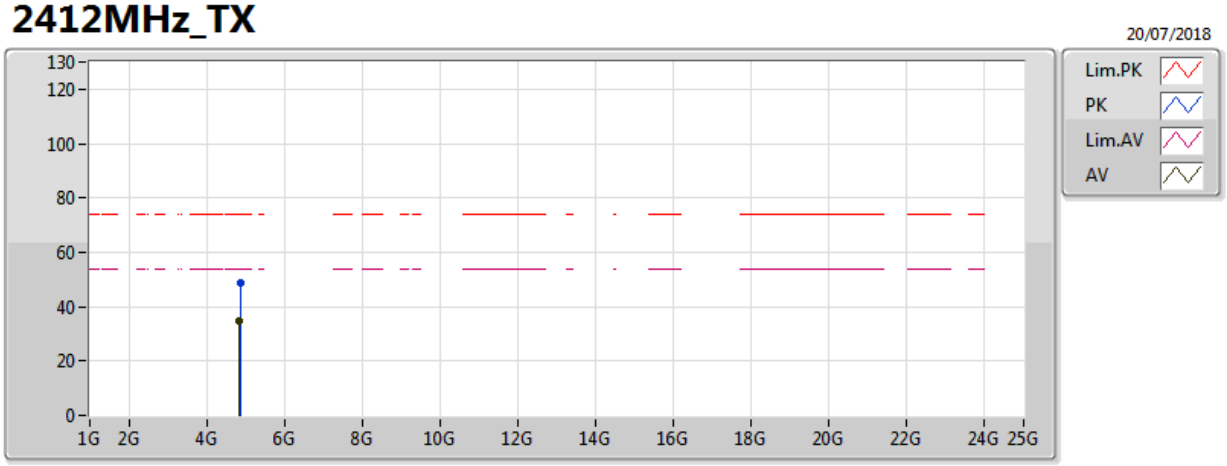


EUT Z_2TX
Setting 75
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.7832G	49.01	74.00	-24.99	6.75	3	Vertical	248	2.32	-
AV	4.834G	34.69	54.00	-19.31	6.89	3	Vertical	248	2.32	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2412MHz_TX

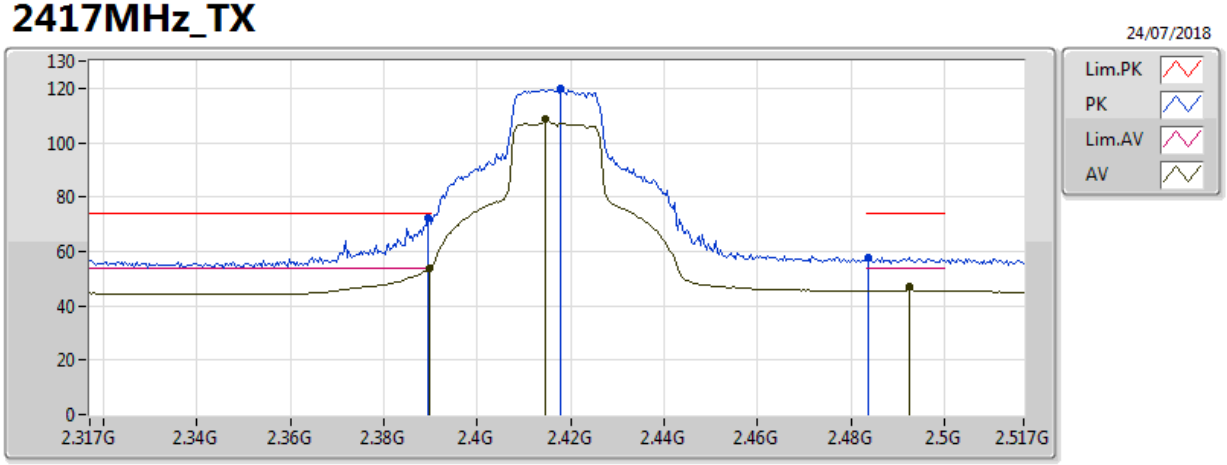


EUT Z_2TX
Setting 75
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8706G	48.52	74.00	-25.48	6.98	3	Horizontal	227	1.16	-
AV	4.8214G	34.77	54.00	-19.23	6.86	3	Horizontal	227	1.16	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2417MHz_TX

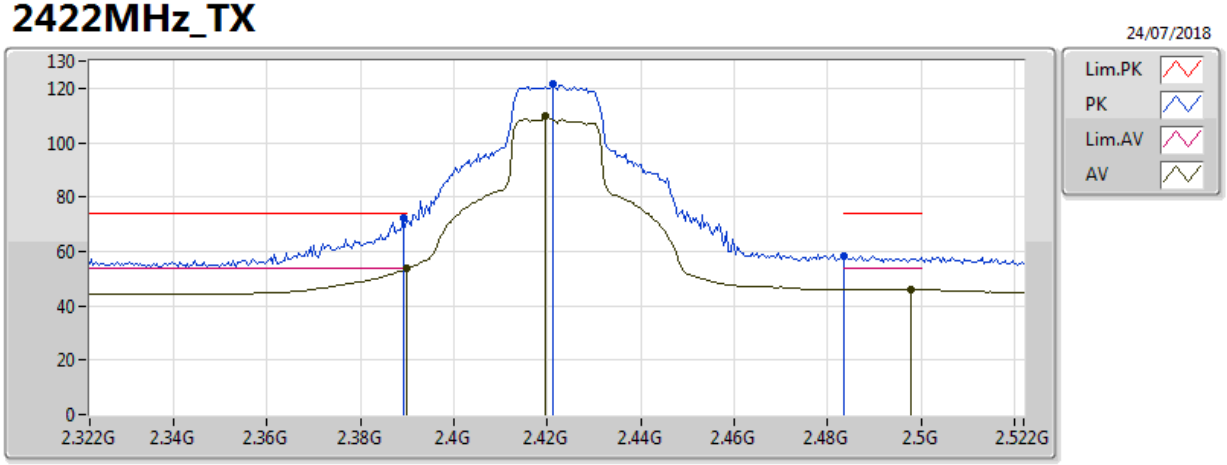


EUT Z_2TX
Setting 93
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	72.21	74.00	-1.79	32.14	3	Vertical	30	2.23	-
AV	2.3898G	53.81	54.00	-0.19	32.14	3	Vertical	30	2.23	-
PK	2.4178G	119.94	Inf	-Inf	32.22	3	Vertical	30	2.23	-
AV	2.4146G	108.59	Inf	-Inf	32.21	3	Vertical	30	2.23	-
PK	2.4838G	57.80	74.00	-16.20	32.43	3	Vertical	30	2.23	-
AV	2.4926G	46.97	54.00	-7.03	32.45	3	Vertical	30	2.23	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2422MHz_TX

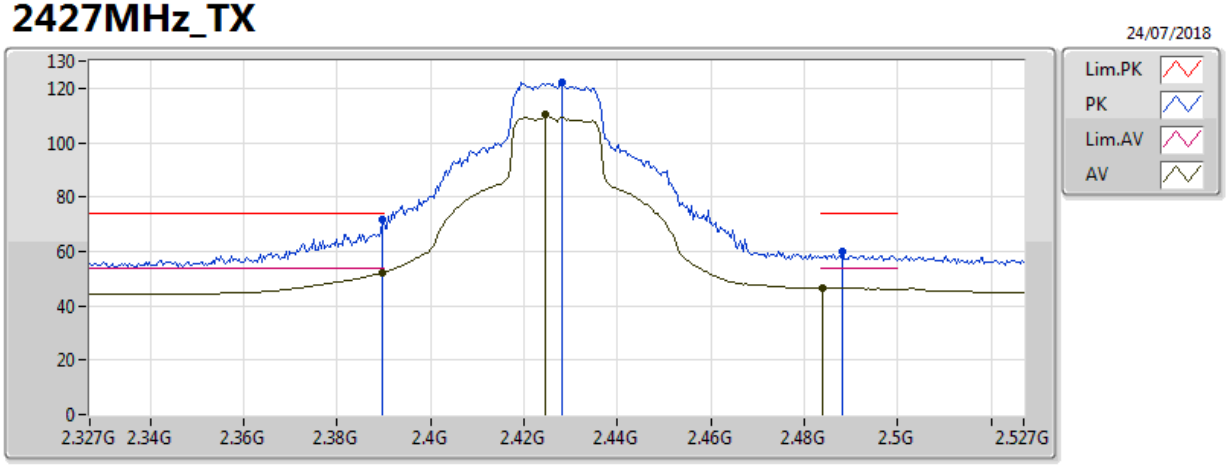


EUT Z_2TX
Setting 99
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	72.17	74.00	-1.83	32.14	3	Vertical	30	2.25	-
AV	2.389998G	53.95	54.00	-0.05	32.14	3	Vertical	30	2.25	-
PK	2.4212G	121.55	Inf	-Inf	32.23	3	Vertical	30	2.25	-
AV	2.4196G	109.88	Inf	-Inf	32.23	3	Vertical	30	2.25	-
PK	2.483502G	58.41	74.00	-15.59	32.42	3	Vertical	30	2.25	-
AV	2.498G	46.18	54.00	-7.82	32.47	3	Vertical	30	2.25	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2427MHz_TX

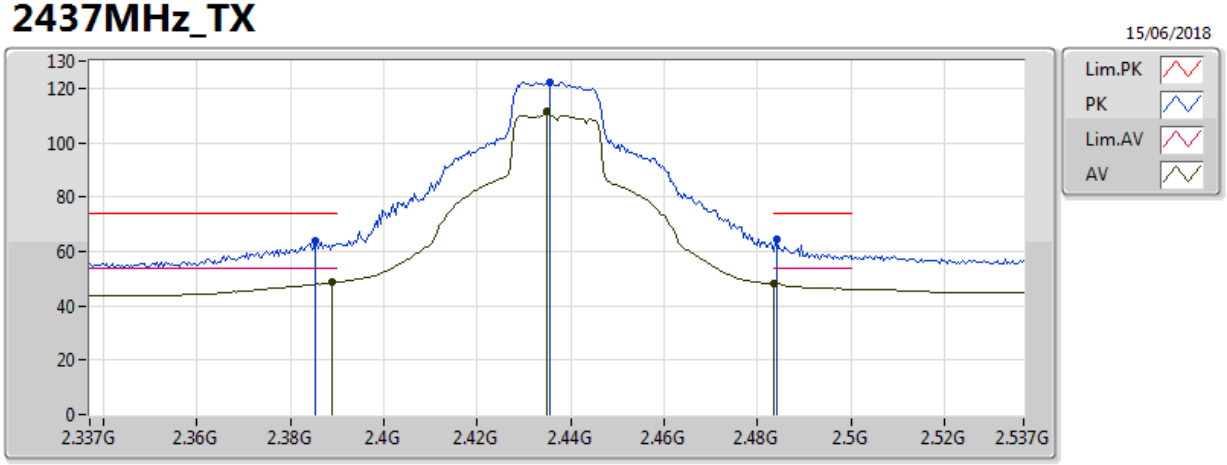


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	71.73	74.00	-2.27	32.14	3	Vertical	30	2.21	-
AV	2.3898G	52.11	54.00	-1.89	32.14	3	Vertical	30	2.21	-
PK	2.4282G	122.03	Inf	-Inf	32.26	3	Vertical	30	2.21	-
AV	2.4246G	110.35	Inf	-Inf	32.25	3	Vertical	30	2.21	-
PK	2.4882G	59.69	74.00	-14.31	32.43	3	Vertical	30	2.21	-
AV	2.4838G	46.61	54.00	-7.39	32.42	3	Vertical	30	2.21	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2437MHz_TX

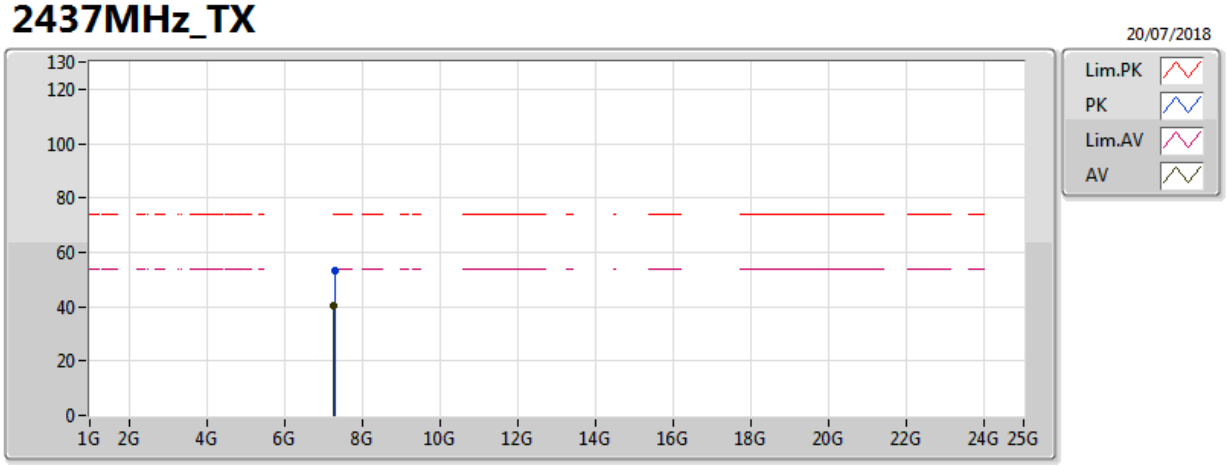


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3854G	63.90	74.00	-10.10	32.00	3	Vertical	22	1.78	-
AV	2.389G	48.67	54.00	-5.33	32.01	3	Vertical	22	1.78	-
PK	2.4354G	122.41	Inf	-Inf	32.17	3	Vertical	22	1.78	-
AV	2.435G	111.58	Inf	-Inf	32.16	3	Vertical	22	1.78	-
PK	2.4842G	64.24	74.00	-9.76	32.32	3	Vertical	22	1.78	-
AV	2.483502G	48.00	54.00	-6.00	32.32	3	Vertical	22	1.78	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2437MHz_TX

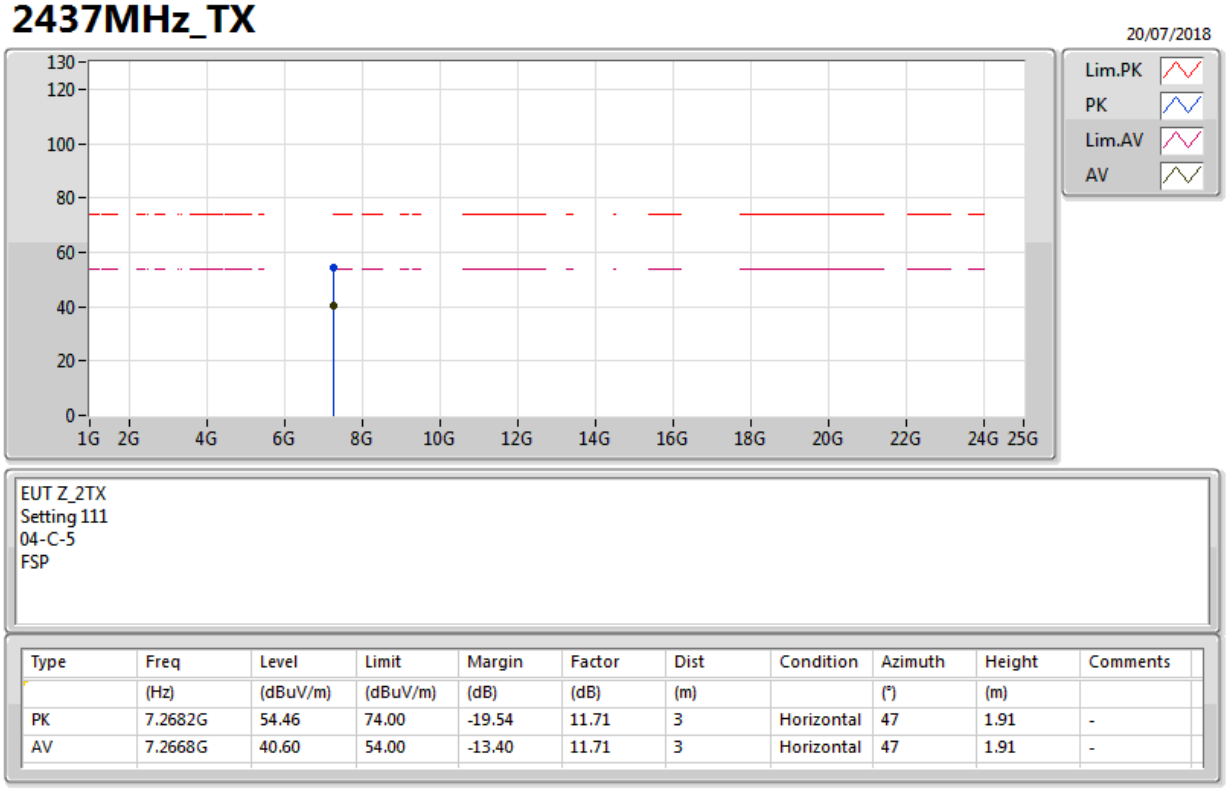


EUT Z_2TX
Setting 111
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.3216G	53.35	74.00	-20.65	11.70	3	Vertical	112	1.93	-
AV	7.2696G	40.25	54.00	-13.75	11.71	3	Vertical	112	1.93	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2437MHz_TX

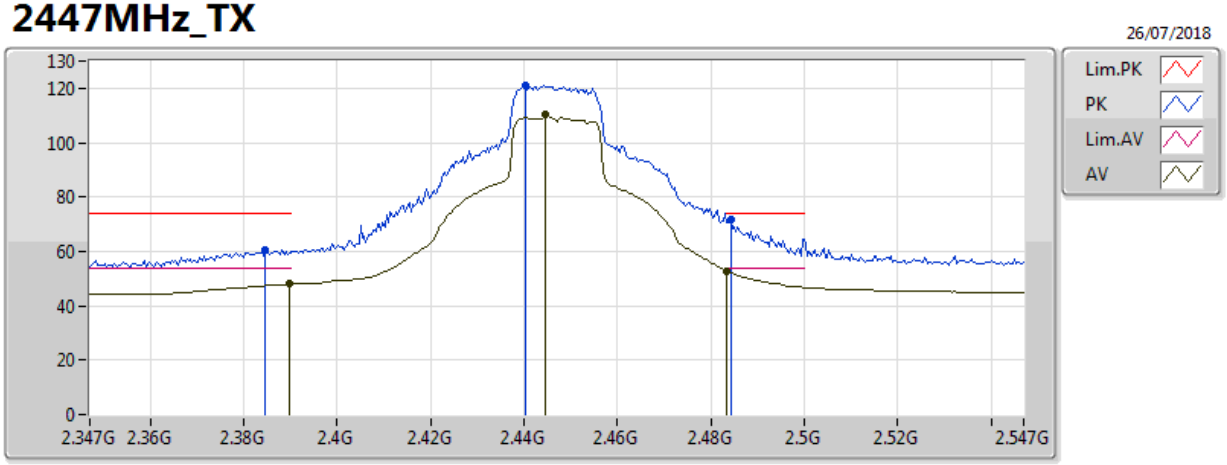


EUT Z_2TX
Setting 111
04-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.2682G	54.46	74.00	-19.54	11.71	3	Horizontal	47	1.91	-
AV	7.2668G	40.60	54.00	-13.40	11.71	3	Horizontal	47	1.91	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2447MHz_TX

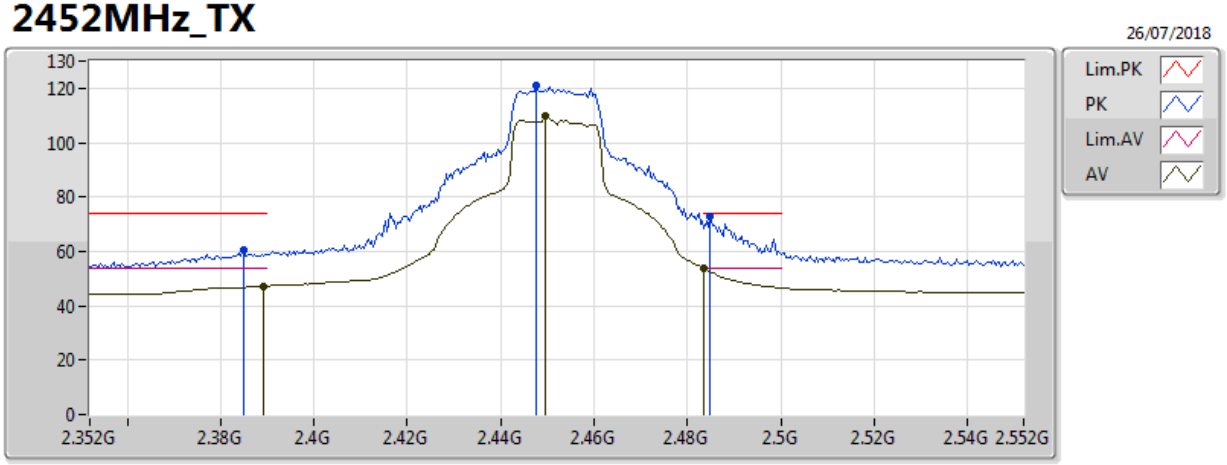


EUT Z_2TX
Setting 111
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3846G	60.51	74.00	-13.49	32.12	3	Vertical	26	2.48	-
AV	2.3898G	47.99	54.00	-6.01	32.14	3	Vertical	26	2.48	-
PK	2.4402G	121.00	Inf	-Inf	32.29	3	Vertical	26	2.48	-
AV	2.4446G	110.52	Inf	-Inf	32.31	3	Vertical	26	2.48	-
PK	2.4842G	71.55	74.00	-2.45	32.43	3	Vertical	26	2.48	-
AV	2.483502G	52.86	54.00	-1.14	32.42	3	Vertical	26	2.48	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2452MHz_TX

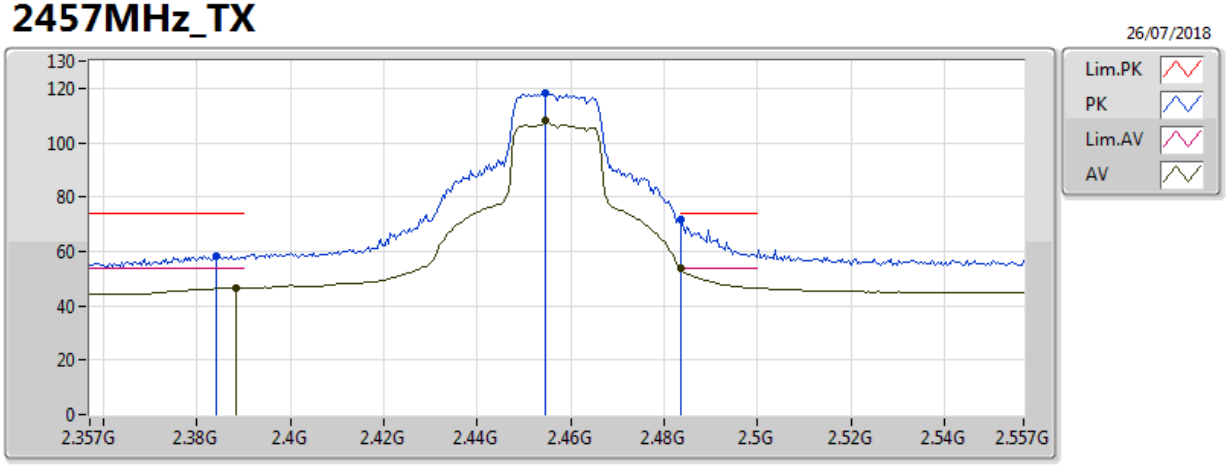


EUT Z_2TX
Setting 98
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3848G	60.24	74.00	-13.76	32.12	3	Vertical	24	2.49	-
AV	2.3892G	47.25	54.00	-6.75	32.14	3	Vertical	24	2.49	-
PK	2.4476G	121.13	Inf	-Inf	32.32	3	Vertical	24	2.49	-
AV	2.4496G	109.60	Inf	-Inf	32.32	3	Vertical	24	2.49	-
PK	2.4848G	72.90	74.00	-1.10	32.43	3	Vertical	24	2.49	-
AV	2.483502G	53.88	54.00	-0.12	32.42	3	Vertical	24	2.49	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2457MHz_TX

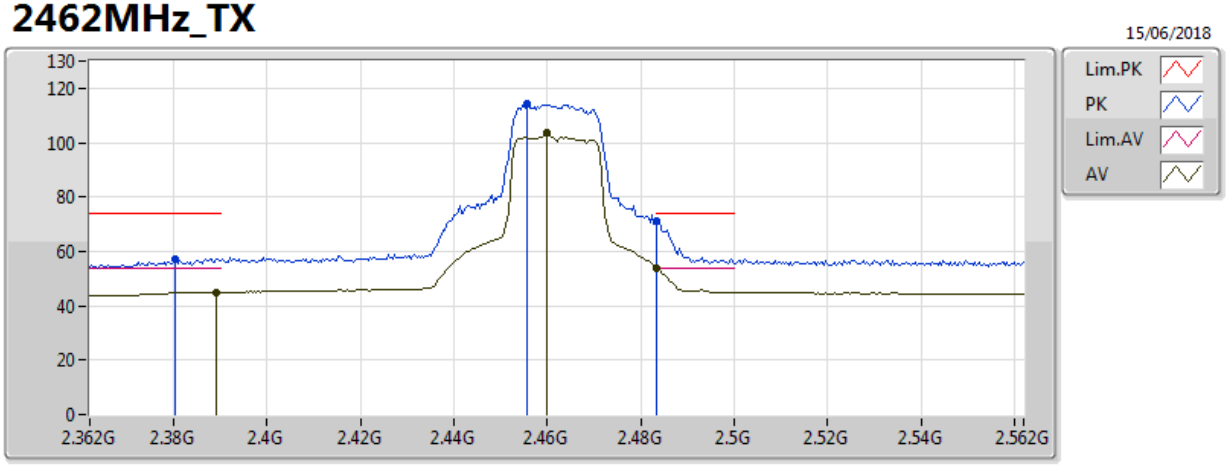


EUT Z_2TX
Setting 92
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3842G	58.27	74.00	-15.73	32.12	3	Vertical	27	2.24	-
AV	2.3882G	46.49	54.00	-7.51	32.13	3	Vertical	27	2.24	-
PK	2.4546G	118.23	Inf	-Inf	32.34	3	Vertical	27	2.24	-
AV	2.4546G	107.94	Inf	-Inf	32.34	3	Vertical	27	2.24	-
PK	2.483502G	71.68	74.00	-2.32	32.42	3	Vertical	27	2.24	-
AV	2.483502G	53.82	54.00	-0.18	32.42	3	Vertical	27	2.24	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2462MHz_TX

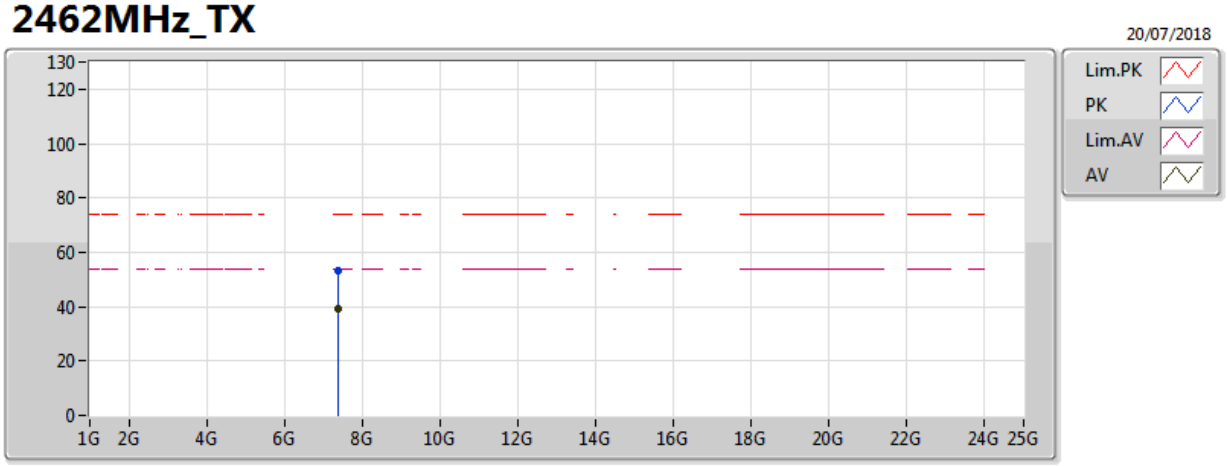


EUT Z_2TX
Setting 74
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3804G	57.34	74.00	-16.66	31.99	3	Vertical	26	2.01	-
AV	2.3892G	45.08	54.00	-8.92	32.01	3	Vertical	26	2.01	-
PK	2.4556G	114.39	Inf	-Inf	32.23	3	Vertical	26	2.01	-
AV	2.46G	103.39	Inf	-Inf	32.25	3	Vertical	26	2.01	-
PK	2.483502G	71.44	74.00	-2.56	32.32	3	Vertical	26	2.01	-
AV	2.483502G	53.79	54.00	-0.21	32.32	3	Vertical	26	2.01	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2462MHz_TX

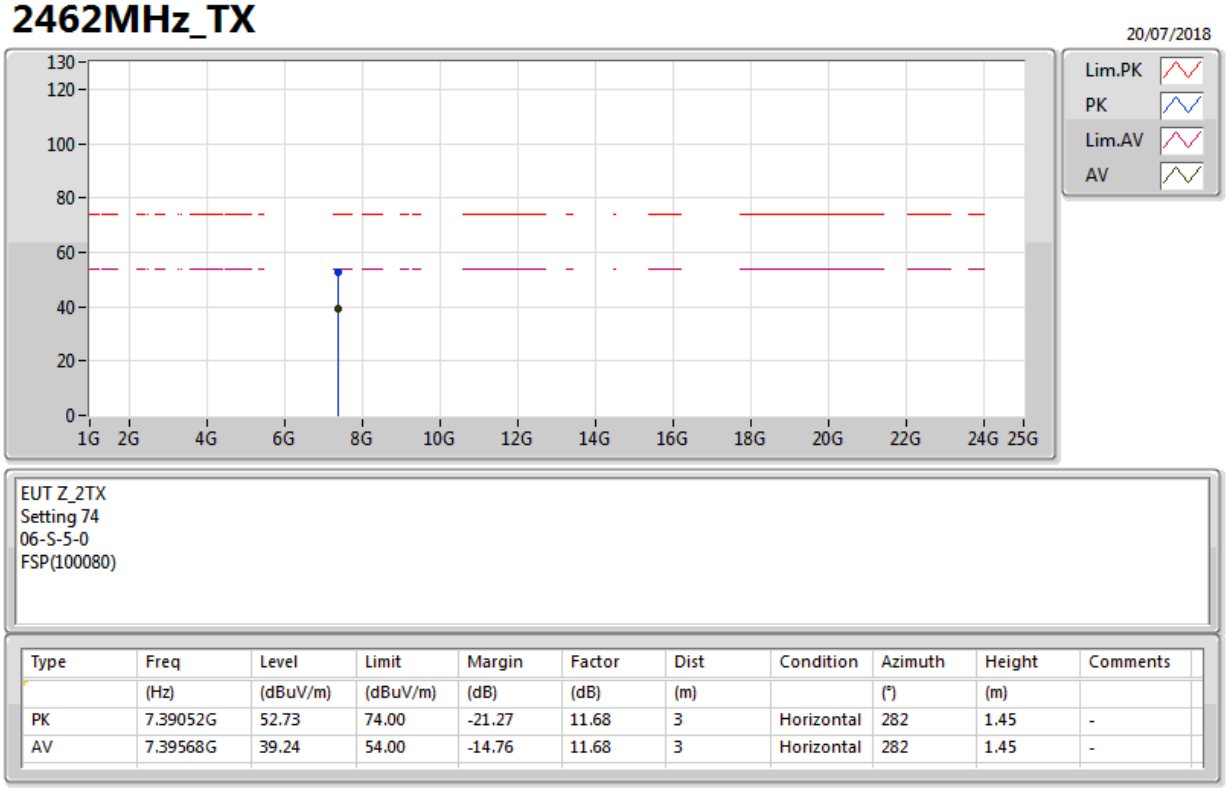


EUT Z_2TX
Setting 74
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.3924G	53.51	74.00	-20.49	11.68	3	Vertical	42	1.13	-
AV	7.39516G	39.17	54.00	-14.83	11.68	3	Vertical	42	1.13	-

802.11ac VHT20_Nss2,(MCS0)_2TX

2462MHz_TX

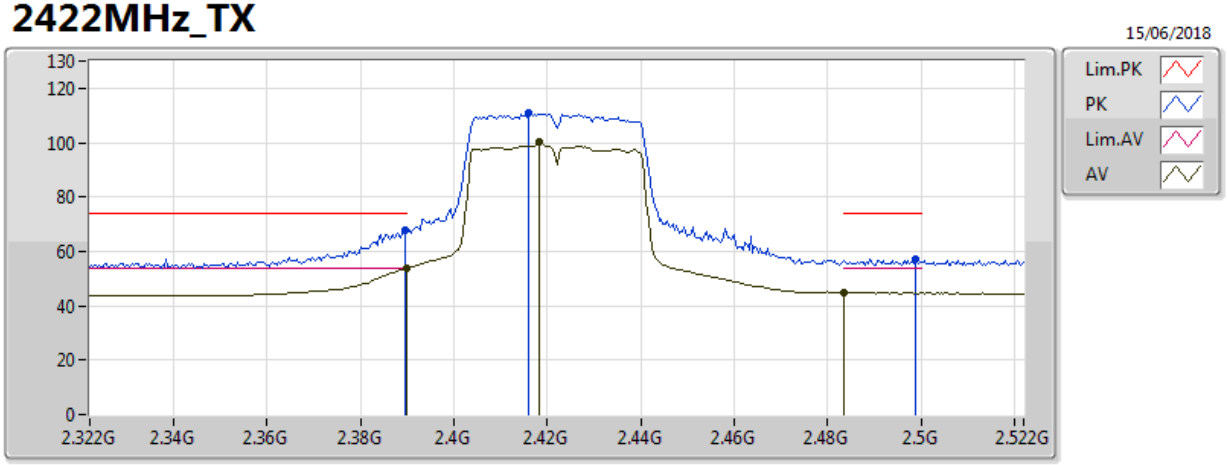


EUT Z_2TX
Setting 74
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	7.39052G	52.73	74.00	-21.27	11.68	3	Horizontal	282	1.45	-
AV	7.39568G	39.24	54.00	-14.76	11.68	3	Horizontal	282	1.45	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2422MHz_TX

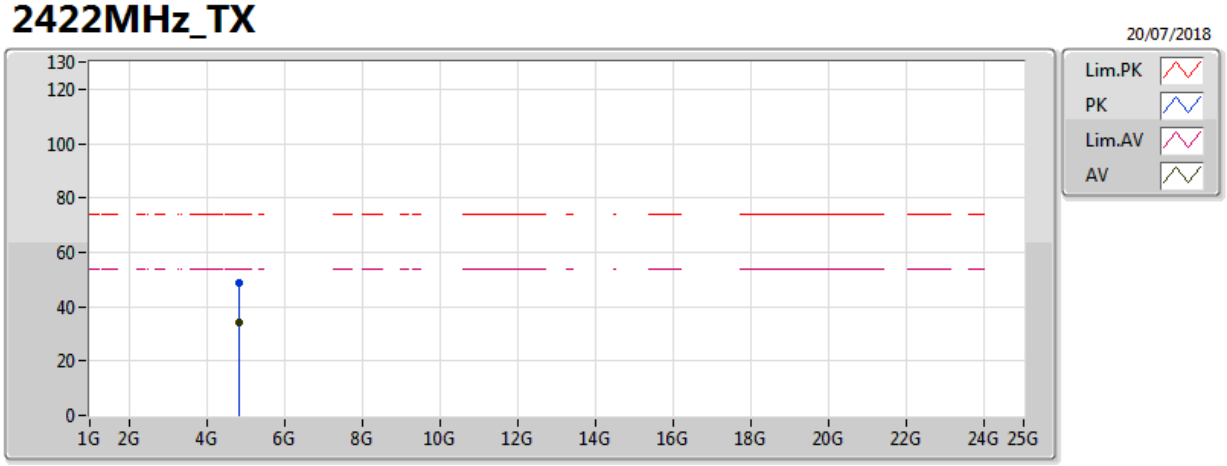


EUT Z_2TX
Setting 69
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	67.71	74.00	-6.29	32.01	3	Vertical	48	2.26	-
AV	2.389998G	53.87	54.00	-0.13	32.01	3	Vertical	48	2.26	-
PK	2.416G	111.00	Inf	-Inf	32.10	3	Vertical	48	2.26	-
AV	2.4184G	100.28	Inf	-Inf	32.11	3	Vertical	48	2.26	-
PK	2.4988G	57.02	74.00	-16.98	32.37	3	Vertical	48	2.26	-
AV	2.483502G	44.70	54.00	-9.30	32.32	3	Vertical	48	2.26	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2422MHz_TX

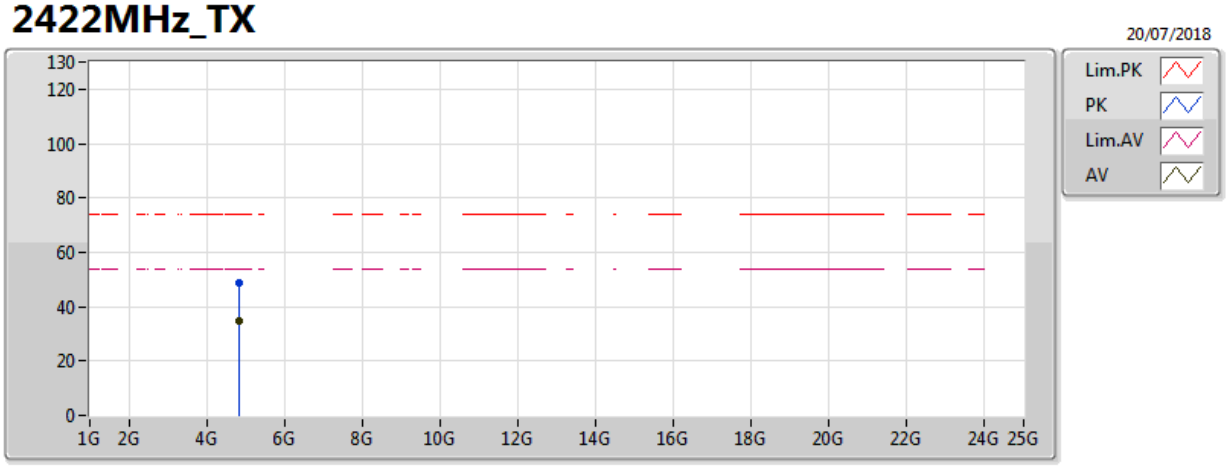


EUT Z_2TX
Setting 69
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84408G	48.78	74.00	-25.22	6.92	3	Vertical	75	2.10	-
AV	4.83596G	34.46	54.00	-19.54	6.90	3	Vertical	75	2.10	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2422MHz_TX

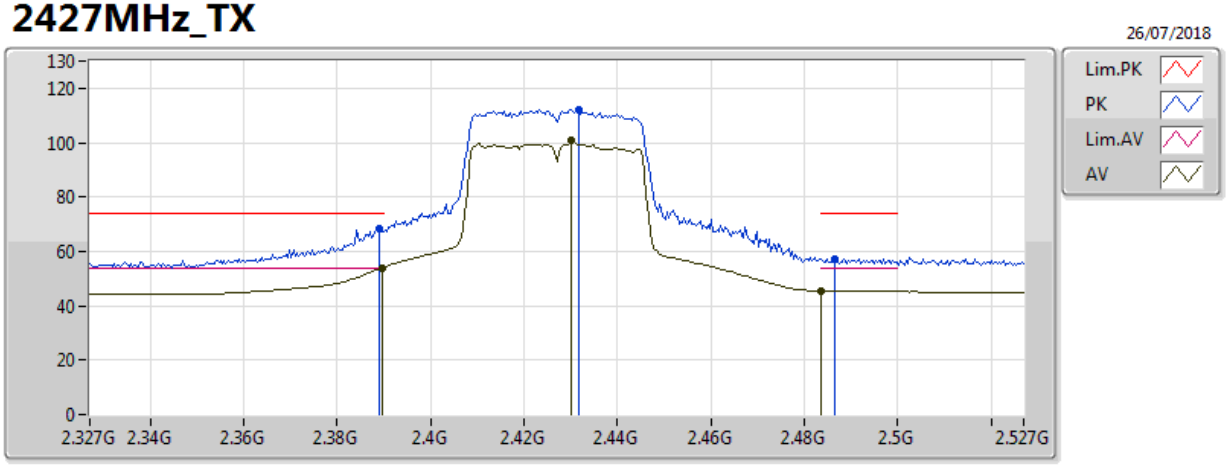


EUT Z_2TX
Setting 69
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84136G	48.74	74.00	-25.26	6.91	3	Horizontal	112	1.37	-
AV	4.83892G	34.51	54.00	-19.49	6.90	3	Horizontal	112	1.37	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2427MHz_TX

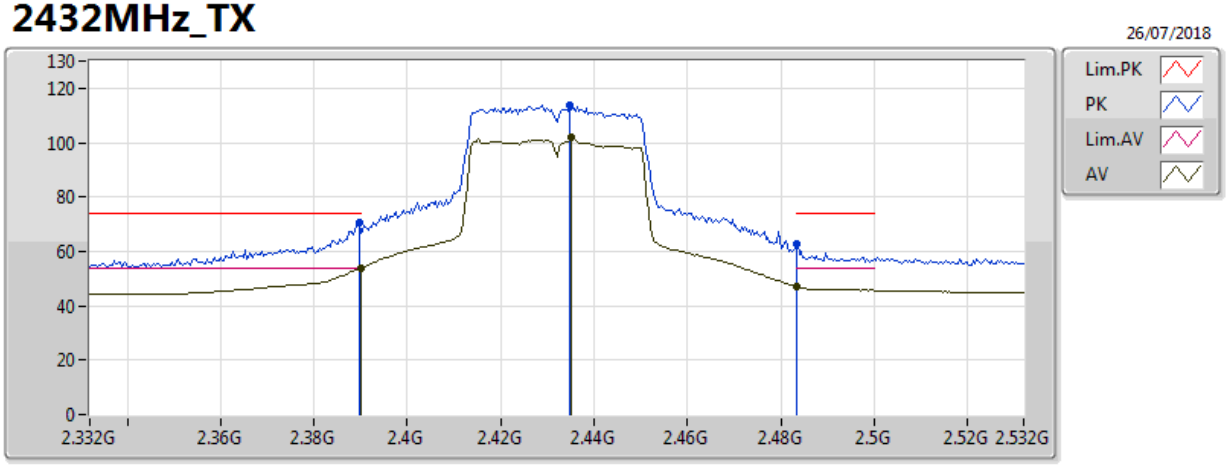


EUT Z_2TX
Setting 72
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	68.37	74.00	-5.63	32.14	3	Vertical	33	2.27	-
AV	2.3898G	53.90	54.00	-0.10	32.14	3	Vertical	33	2.27	-
PK	2.4318G	112.27	Inf	-Inf	32.27	3	Vertical	33	2.27	-
AV	2.4302G	100.59	Inf	-Inf	32.26	3	Vertical	33	2.27	-
PK	2.4866G	57.29	74.00	-16.71	32.43	3	Vertical	33	2.27	-
AV	2.483502G	45.60	54.00	-8.40	32.42	3	Vertical	33	2.27	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2432MHz_TX

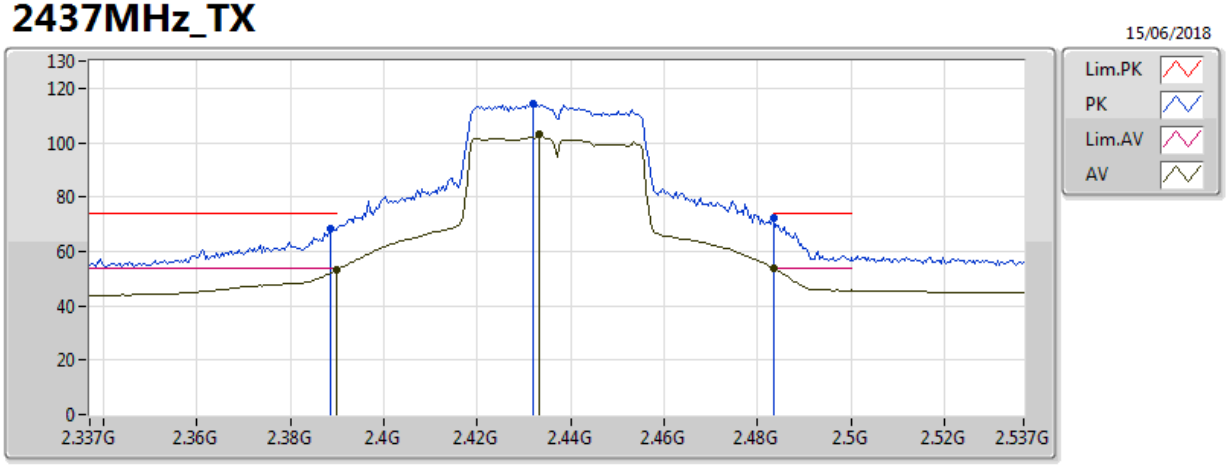


EUT Z_2TX
Setting 76
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	70.85	74.00	-3.15	32.14	3	Vertical	36	2.26	-
AV	2.389998G	53.83	54.00	-0.17	32.14	3	Vertical	36	2.26	-
PK	2.4348G	113.56	Inf	-Inf	32.28	3	Vertical	36	2.26	-
AV	2.4352G	101.89	Inf	-Inf	32.28	3	Vertical	36	2.26	-
PK	2.483502G	62.58	74.00	-11.42	32.42	3	Vertical	36	2.26	-
AV	2.483502G	46.93	54.00	-7.07	32.42	3	Vertical	36	2.26	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2437MHz_TX

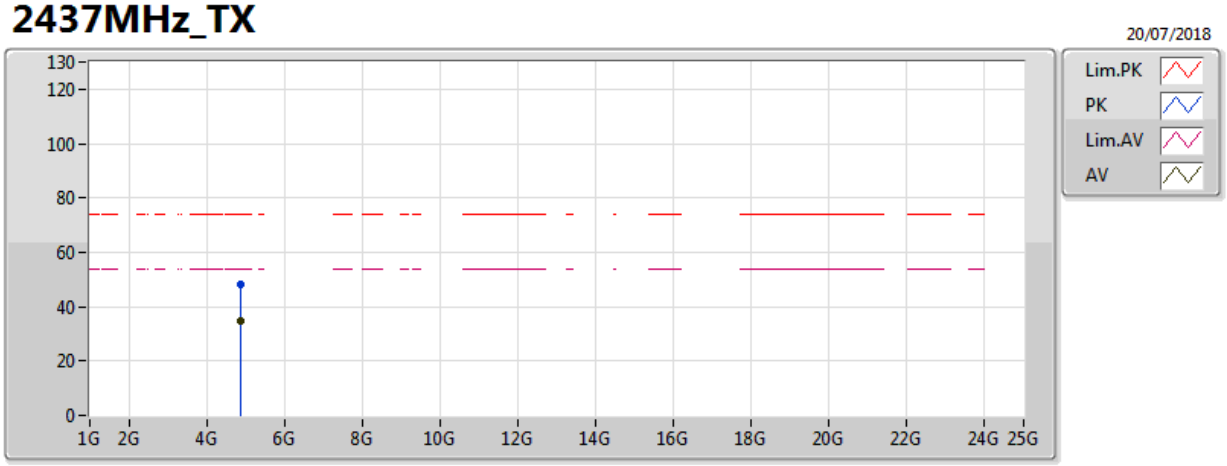


EUT Z_2TX
Setting 83
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	68.38	74.00	-5.62	32.01	3	Vertical	46	2.23	-
AV	2.3898G	53.03	54.00	-0.97	32.01	3	Vertical	46	2.23	-
PK	2.4318G	114.13	Inf	-Inf	32.15	3	Vertical	46	2.23	-
AV	2.4334G	103.19	Inf	-Inf	32.16	3	Vertical	46	2.23	-
PK	2.483502G	72.07	74.00	-1.93	32.32	3	Vertical	46	2.23	-
AV	2.483502G	53.90	54.00	-0.10	32.32	3	Vertical	46	2.23	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2437MHz_TX

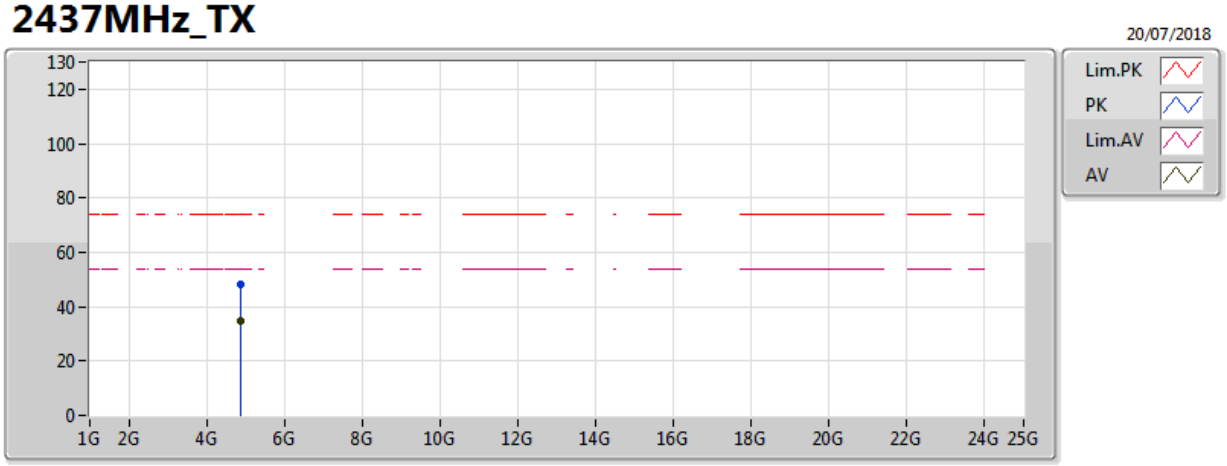


EUT Z_2TX
Setting 83
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86872G	48.32	74.00	-25.68	6.97	3	Vertical	98	1.65	-
AV	4.8838G	34.51	54.00	-19.49	7.01	3	Vertical	98	1.65	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2437MHz_TX

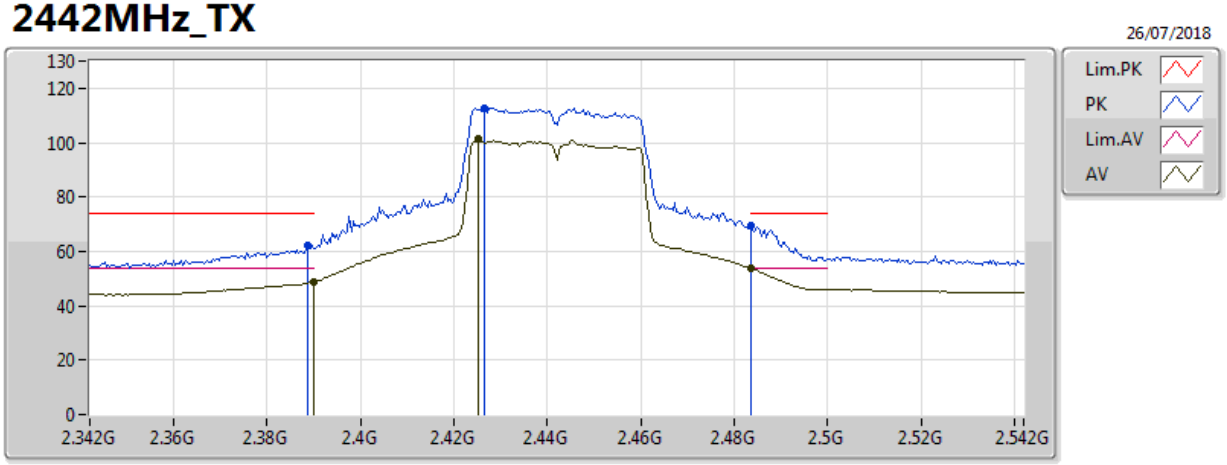


EUT Z_2TX
Setting 83
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87928G	48.43	74.00	-25.57	7.00	3	Horizontal	179	1.38	-
AV	4.88384G	34.47	54.00	-19.53	7.01	3	Horizontal	179	1.38	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2442MHz_TX

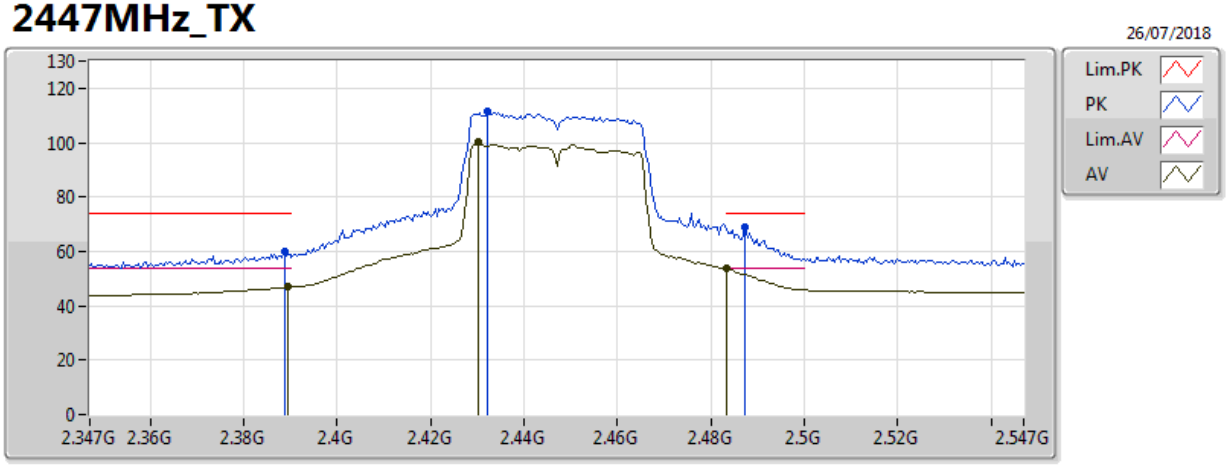


EUT Z_2TX
Setting 76
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	62.28	74.00	-11.72	32.14	3	Vertical	35	2.26	-
AV	2.389998G	48.75	54.00	-5.25	32.14	3	Vertical	35	2.26	-
PK	2.4264G	112.80	Inf	-Inf	32.25	3	Vertical	35	2.26	-
AV	2.4252G	101.38	Inf	-Inf	32.25	3	Vertical	35	2.26	-
PK	2.483502G	69.64	74.00	-4.36	32.42	3	Vertical	35	2.26	-
AV	2.483502G	53.92	54.00	-0.08	32.42	3	Vertical	35	2.26	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2447MHz_TX

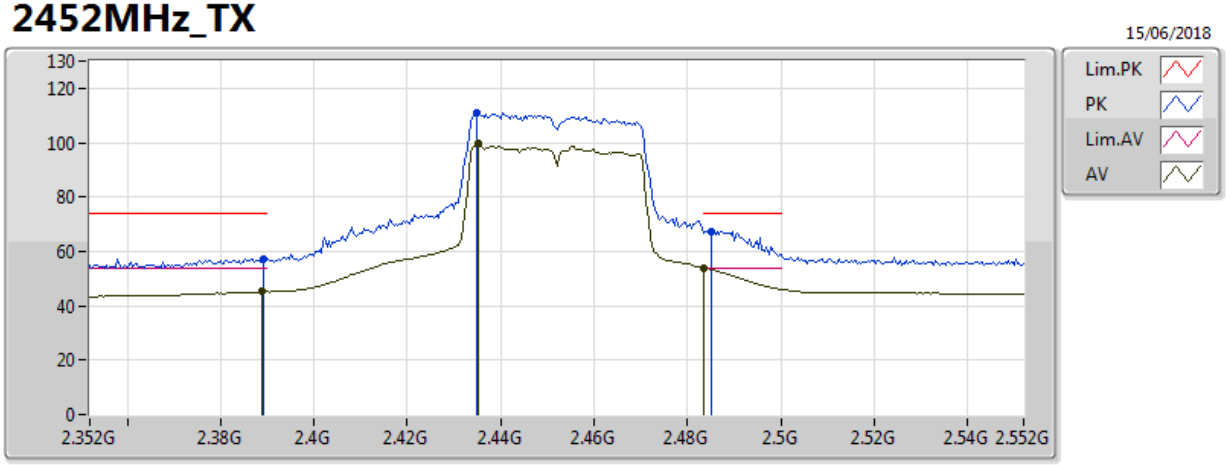


EUT Z_2TX
Setting 71
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	60.04	74.00	-13.96	32.13	3	Vertical	34	2.28	-
AV	2.3894G	46.92	54.00	-7.08	32.14	3	Vertical	34	2.28	-
PK	2.4322G	111.39	Inf	-Inf	32.27	3	Vertical	34	2.28	-
AV	2.4302G	100.20	Inf	-Inf	32.26	3	Vertical	34	2.28	-
PK	2.4874G	68.96	74.00	-5.04	32.43	3	Vertical	34	2.28	-
AV	2.483502G	53.76	54.00	-0.24	32.42	3	Vertical	34	2.28	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2452MHz_TX

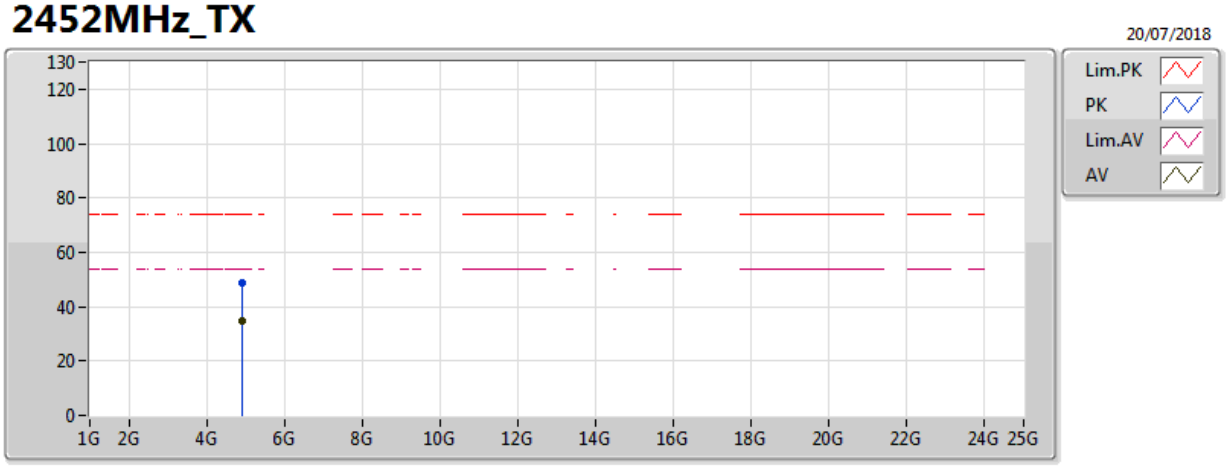


EUT Z_2TX
Setting 68
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	57.23	74.00	-16.77	32.01	3	Vertical	32	1.80	-
AV	2.3888G	45.15	54.00	-8.85	32.01	3	Vertical	32	1.80	-
PK	2.4348G	111.15	Inf	-Inf	32.16	3	Vertical	32	1.80	-
AV	2.4352G	99.62	Inf	-Inf	32.16	3	Vertical	32	1.80	-
PK	2.4852G	67.43	74.00	-6.57	32.32	3	Vertical	32	1.80	-
AV	2.483502G	53.98	54.00	-0.02	32.32	3	Vertical	32	1.80	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2452MHz_TX

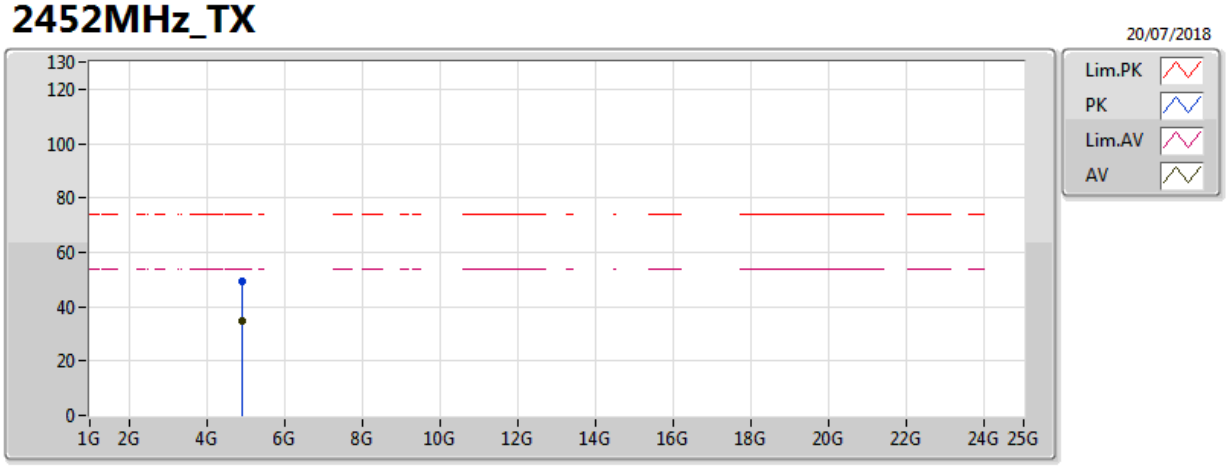


EUT Z_2TX
Setting 68
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90892G	48.78	74.00	-25.22	7.07	3	Vertical	42	1.50	-
AV	4.91364G	34.68	54.00	-19.32	7.08	3	Vertical	42	1.50	-

802.11ac VHT40_Nss2,(MCS0)_2TX

2452MHz_TX

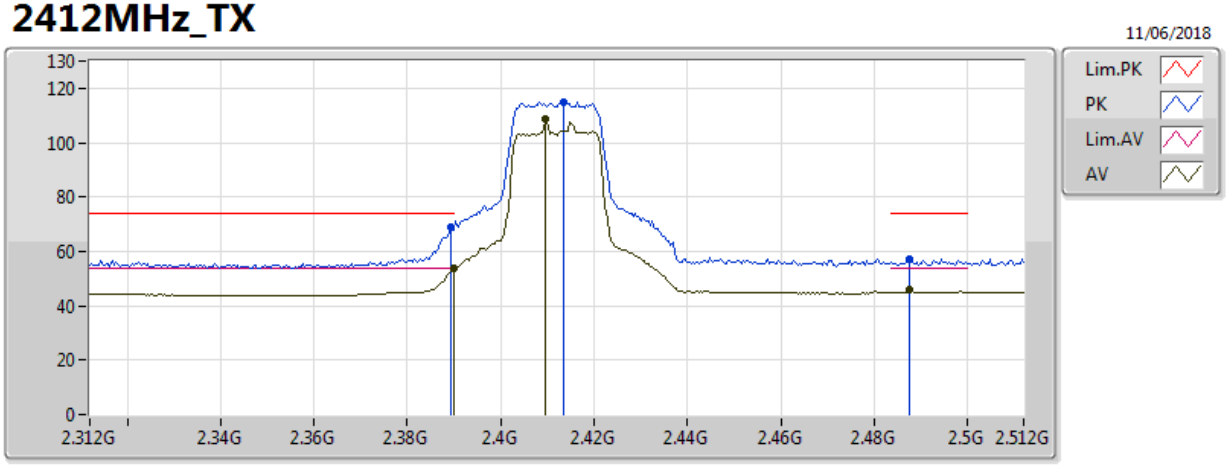


EUT Z_2TX
Setting 68
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.89744G	49.12	74.00	-24.88	7.04	3	Horizontal	90	1.52	-
AV	4.9106G	34.69	54.00	-19.31	7.08	3	Horizontal	90	1.52	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

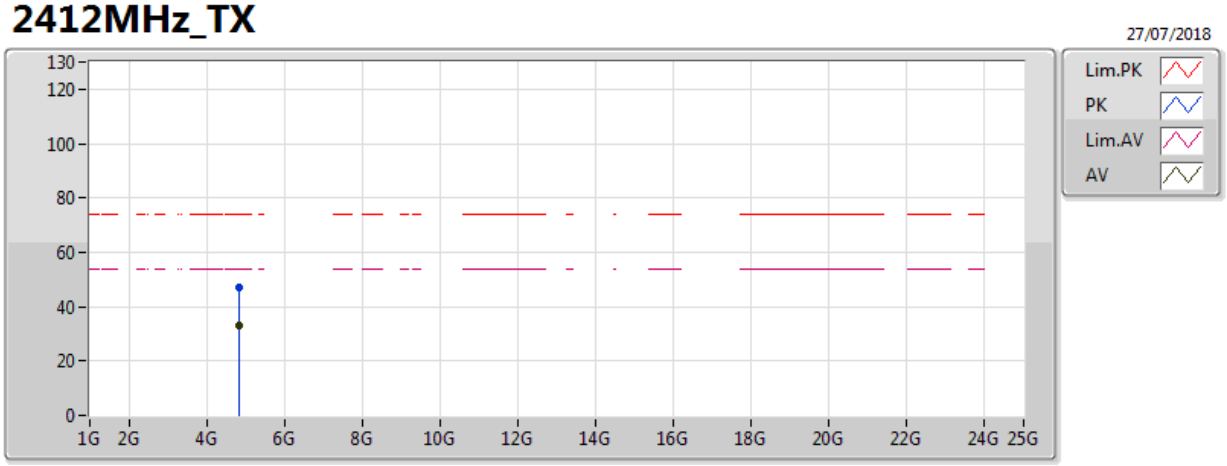


EUT Z_2TX
Setting 70
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	68.71	74.00	-5.29	32.02	3	Vertical	21	1.81	-
AV	2.389998G	53.82	54.00	-0.18	32.02	3	Vertical	21	1.81	-
PK	2.4136G	114.93	Inf	-Inf	32.09	3	Vertical	21	1.81	-
AV	2.4096G	108.47	Inf	-Inf	32.08	3	Vertical	21	1.81	-
PK	2.4876G	57.29	74.00	-16.71	32.33	3	Vertical	21	1.81	-
AV	2.4876G	46.18	54.00	-7.82	32.33	3	Vertical	21	1.81	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

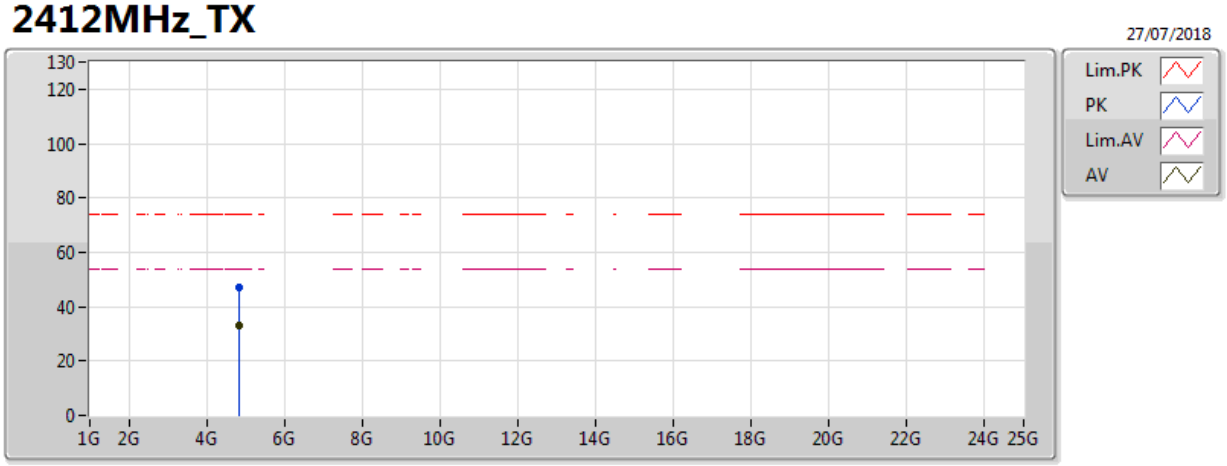


EUT Z_2TX
Setting 70
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82024G	46.83	74.00	-27.17	6.64	3	Vertical	345	1.50	-
AV	4.83108G	33.17	54.00	-20.83	6.67	3	Vertical	345	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

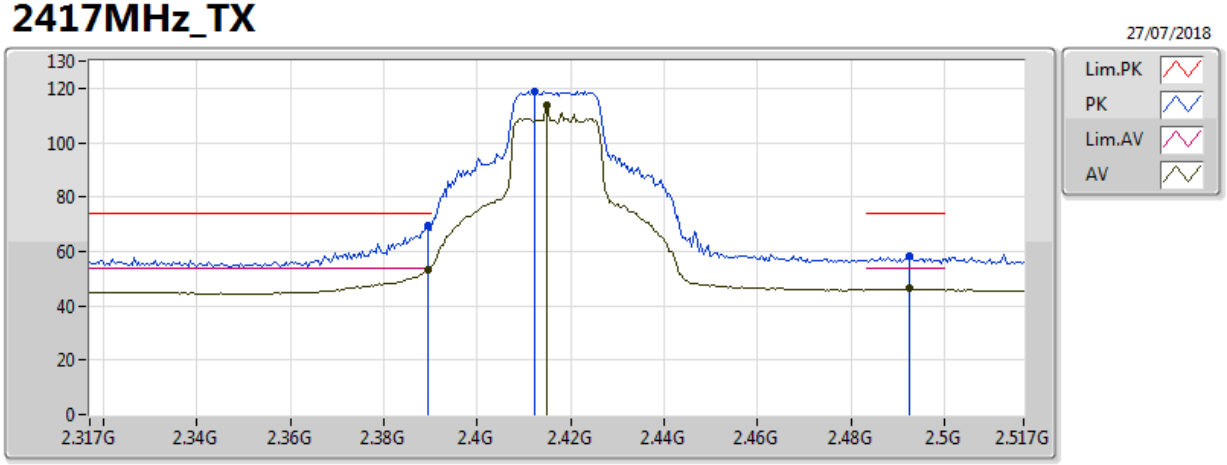


EUT Z_2TX
Setting 70
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82672G	46.96	74.00	-27.04	6.65	3	Horizontal	306	1.43	-
AV	4.83216G	33.23	54.00	-20.77	6.67	3	Horizontal	306	1.43	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

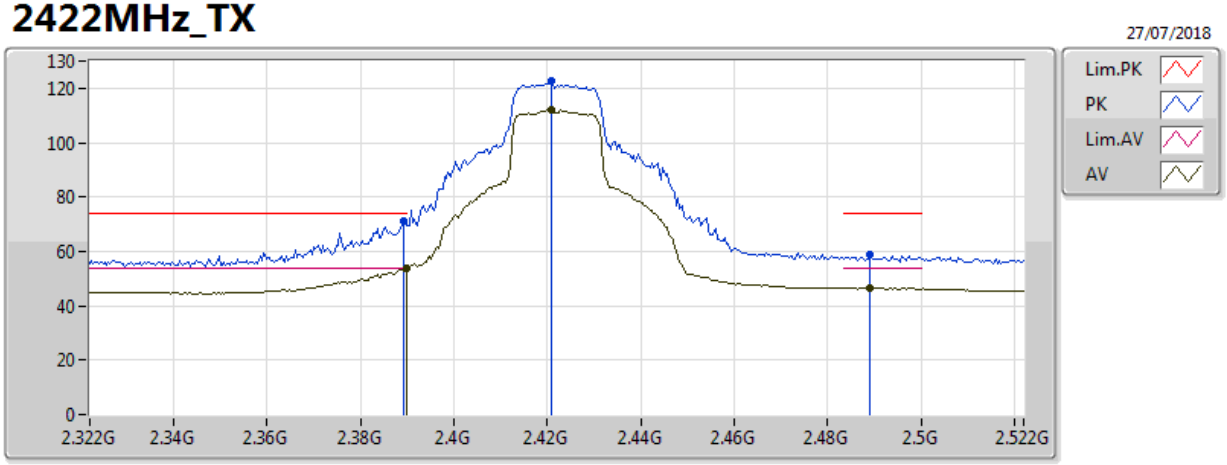


EUT Z_2TX
Setting 91
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	69.29	74.00	-4.71	32.14	3	Vertical	22	2.13	-
AV	2.3894G	53.40	54.00	-0.60	32.14	3	Vertical	22	2.13	-
PK	2.4122G	118.81	Inf	-Inf	32.21	3	Vertical	22	2.13	-
AV	2.415G	113.95	Inf	-Inf	32.22	3	Vertical	22	2.13	-
PK	2.4926G	58.36	74.00	-15.64	32.45	3	Vertical	22	2.13	-
AV	2.4926G	46.61	54.00	-7.39	32.45	3	Vertical	22	2.13	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2422MHz_TX

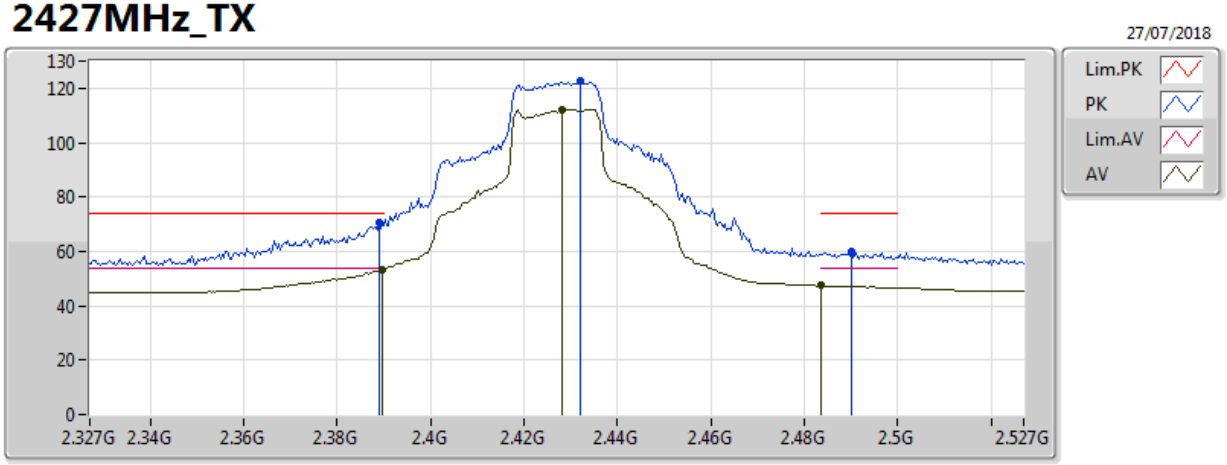


EUT Z_2TX
Setting 96
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	71.24	74.00	-2.76	32.14	3	Vertical	38	2.35	-
AV	2.389998G	53.82	54.00	-0.18	32.14	3	Vertical	38	2.35	-
PK	2.4208G	122.46	Inf	-Inf	32.23	3	Vertical	38	2.35	-
AV	2.4208G	112.14	Inf	-Inf	32.23	3	Vertical	38	2.35	-
PK	2.4892G	58.67	74.00	-15.33	32.44	3	Vertical	38	2.35	-
AV	2.4892G	46.48	54.00	-7.52	32.44	3	Vertical	38	2.35	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2427MHz_TX

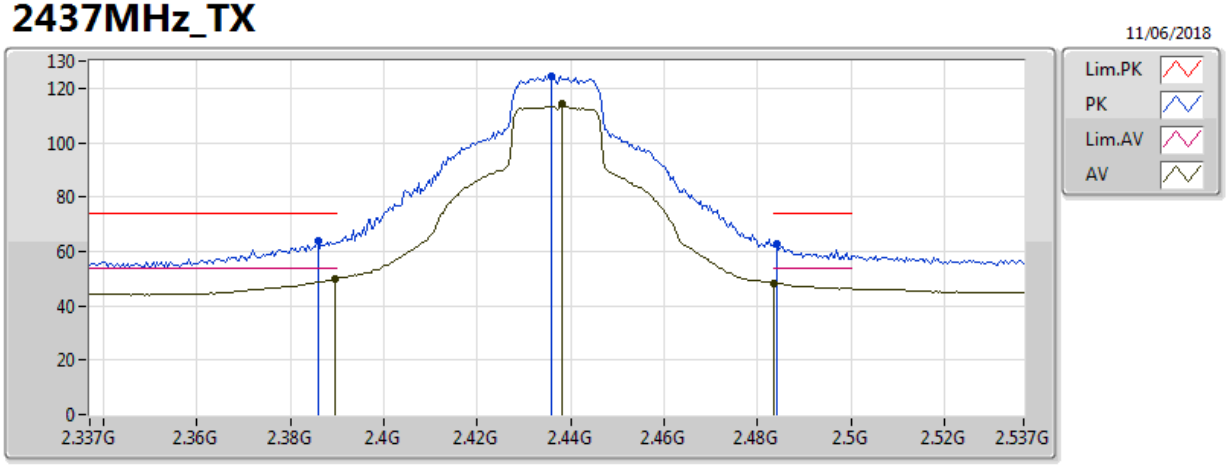


EUT Z_2TX
Setting 112
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	70.39	74.00	-3.61	32.13	3	Vertical	40	2.52	-
AV	2.3898G	53.45	54.00	-0.55	32.14	3	Vertical	40	2.52	-
PK	2.4322G	122.52	Inf	-Inf	32.27	3	Vertical	40	2.52	-
AV	2.4282G	112.34	Inf	-Inf	32.26	3	Vertical	40	2.52	-
PK	2.4902G	59.74	74.00	-14.26	32.45	3	Vertical	40	2.52	-
AV	2.483502G	47.48	54.00	-6.52	32.42	3	Vertical	40	2.52	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

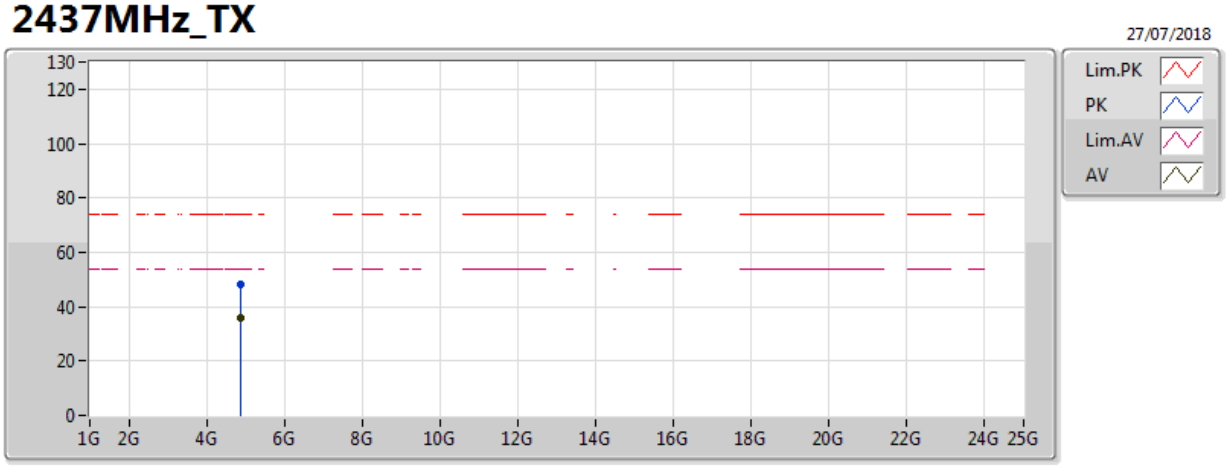


EUT Z_2TX
Setting 112
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3858G	63.63	74.00	-10.37	32.00	3	Vertical	31	2.26	-
AV	2.3894G	49.76	54.00	-4.24	32.01	3	Vertical	31	2.26	-
PK	2.4358G	124.23	Inf	-Inf	32.17	3	Vertical	31	2.26	-
AV	2.4382G	114.34	Inf	-Inf	32.17	3	Vertical	31	2.26	-
PK	2.4842G	62.89	74.00	-11.11	32.32	3	Vertical	31	2.26	-
AV	2.483502G	48.41	54.00	-5.59	32.32	3	Vertical	31	2.26	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

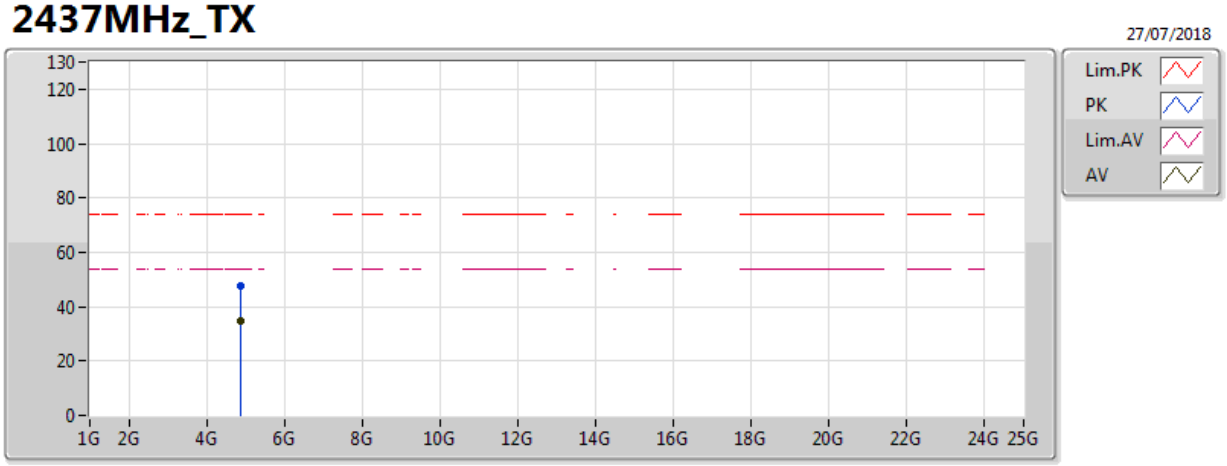


EUT Z_2TX
Setting 112
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87296G	48.07	74.00	-25.93	6.78	3	Vertical	340	1.50	-
AV	4.8738G	35.77	54.00	-18.23	6.79	3	Vertical	340	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

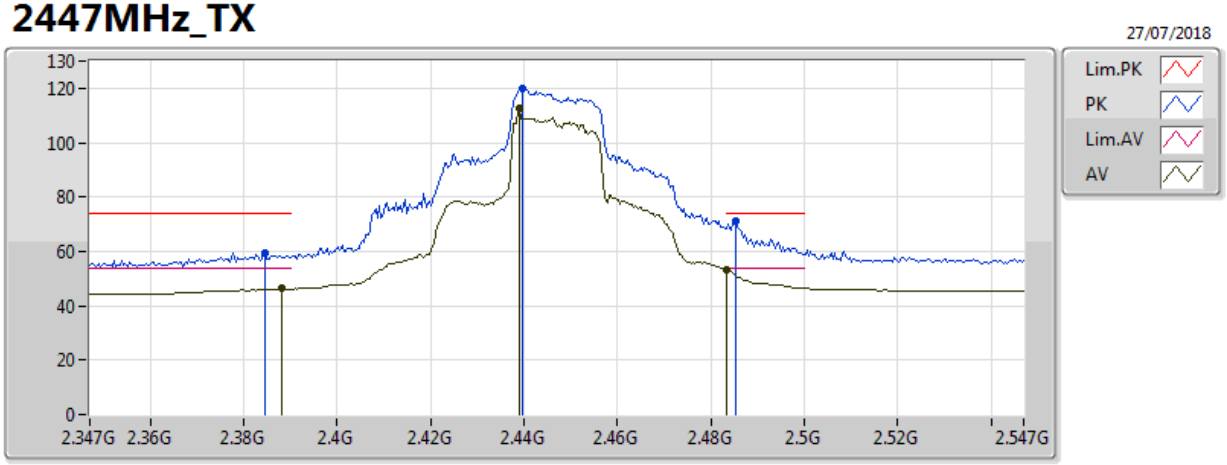


EUT Z_2TX
Setting 112
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87304G	47.78	74.00	-26.22	6.78	3	Horizontal	36	1.04	-
AV	4.87372G	34.72	54.00	-19.28	6.79	3	Horizontal	36	1.04	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2447MHz_TX

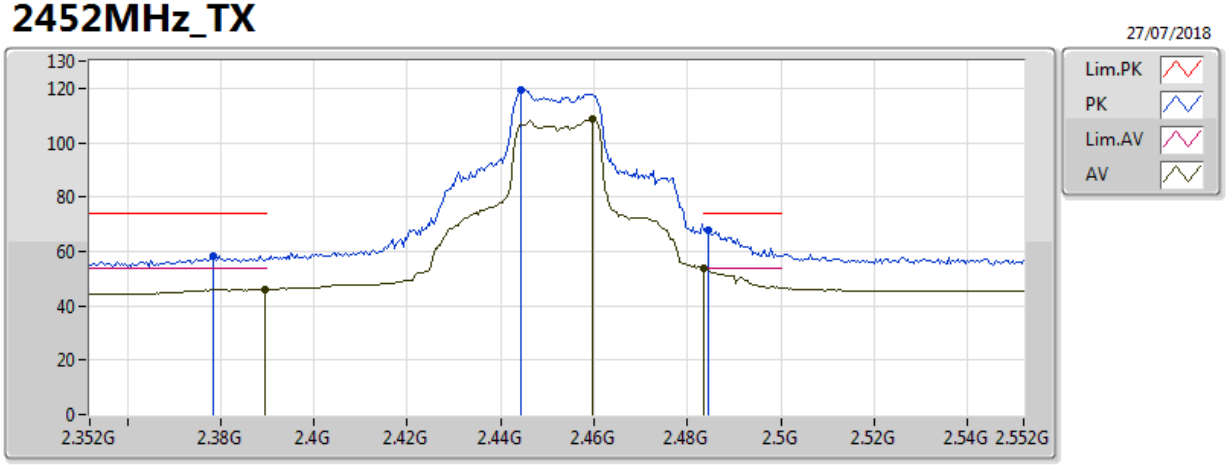


EUT Z_2TX
Setting 112
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3846G	59.25	74.00	-14.75	32.12	3	Vertical	146	1.50	-
AV	2.3882G	46.39	54.00	-7.61	32.13	3	Vertical	146	1.50	-
PK	2.4398G	119.96	Inf	-Inf	32.29	3	Vertical	146	1.50	-
AV	2.439G	112.39	Inf	-Inf	32.29	3	Vertical	146	1.50	-
PK	2.4854G	71.41	74.00	-2.59	32.43	3	Vertical	146	1.50	-
AV	2.483502G	53.29	54.00	-0.71	32.42	3	Vertical	146	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2452MHz_TX

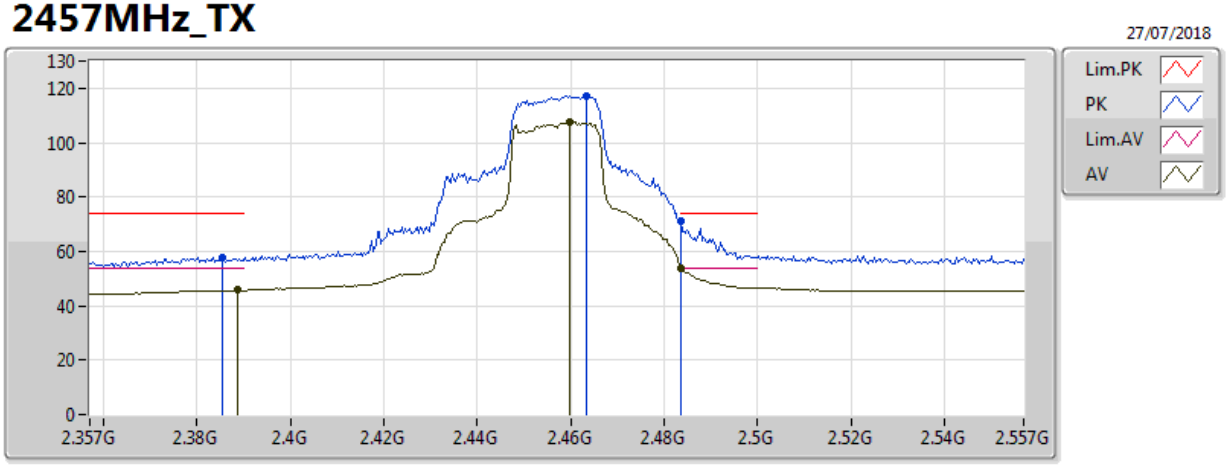


EUT Z_2TX
Setting 95
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3784G	58.11	74.00	-15.89	32.10	3	Vertical	39	1.50	-
AV	2.3896G	46.01	54.00	-7.99	32.14	3	Vertical	39	1.50	-
PK	2.4444G	119.26	Inf	-Inf	32.31	3	Vertical	39	1.50	-
AV	2.4596G	108.55	Inf	-Inf	32.35	3	Vertical	39	1.50	-
PK	2.4844G	67.74	74.00	-6.26	32.43	3	Vertical	39	1.50	-
AV	2.483502G	53.78	54.00	-0.22	32.42	3	Vertical	39	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

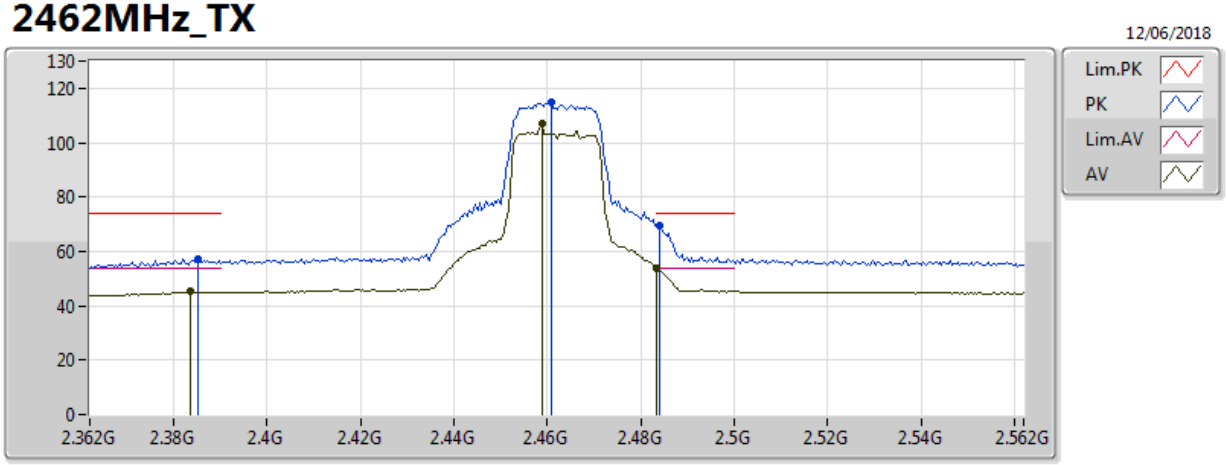


EUT Z_2TX
Setting 90
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3854G	57.89	74.00	-16.11	32.13	3	Vertical	47	1.50	-
AV	2.3886G	45.70	54.00	-8.30	32.13	3	Vertical	47	1.50	-
PK	2.4634G	117.34	Inf	-Inf	32.36	3	Vertical	47	1.50	-
AV	2.4598G	107.57	Inf	-Inf	32.35	3	Vertical	47	1.50	-
PK	2.483502G	71.42	74.00	-2.58	32.42	3	Vertical	47	1.50	-
AV	2.483502G	53.79	54.00	-0.21	32.42	3	Vertical	47	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

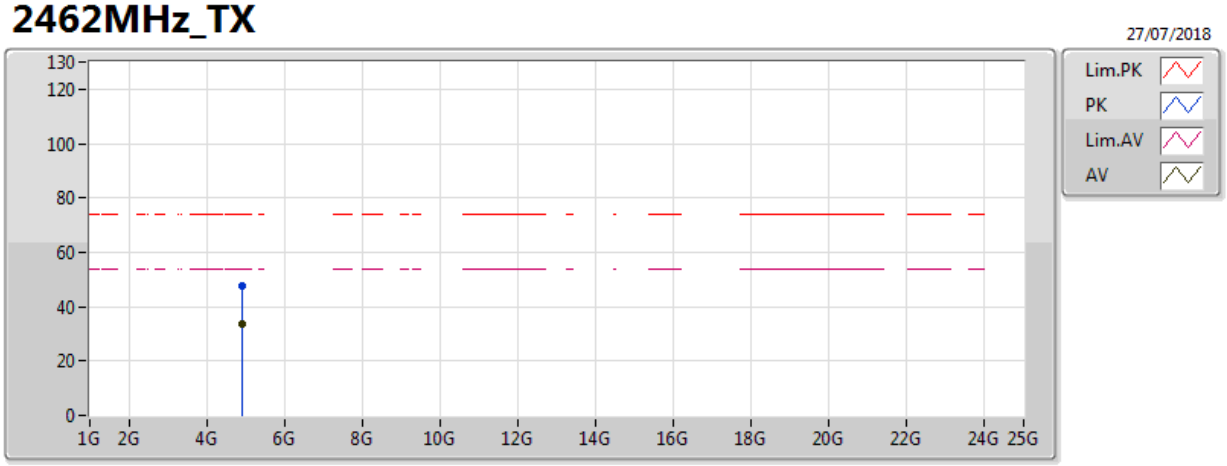


EUT Z_2TX
Setting 70
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3852G	57.41	74.00	-16.59	32.00	3	Vertical	23	1.94	-
AV	2.3836G	45.15	54.00	-8.85	32.00	3	Vertical	23	1.94	-
PK	2.4608G	115.04	Inf	-Inf	32.25	3	Vertical	23	1.94	-
AV	2.4588G	106.89	Inf	-Inf	32.24	3	Vertical	23	1.94	-
PK	2.484G	69.51	74.00	-4.49	32.32	3	Vertical	23	1.94	-
AV	2.483502G	53.83	54.00	-0.17	32.32	3	Vertical	23	1.94	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

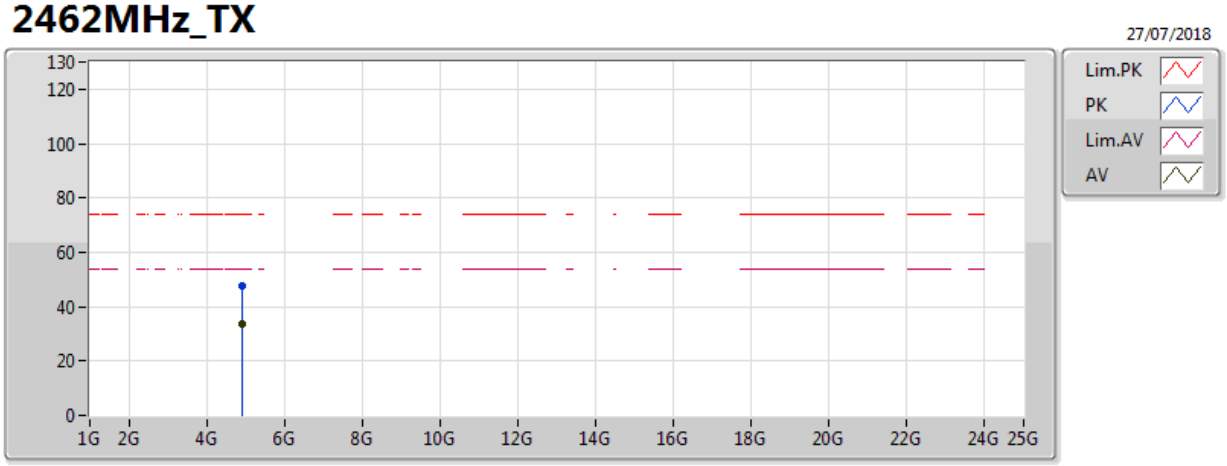


EUT Z_2TX
Setting 70
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91908G	47.73	74.00	-26.27	6.92	3	Vertical	118	1.92	-
AV	4.92268G	33.86	54.00	-20.14	6.93	3	Vertical	118	1.92	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

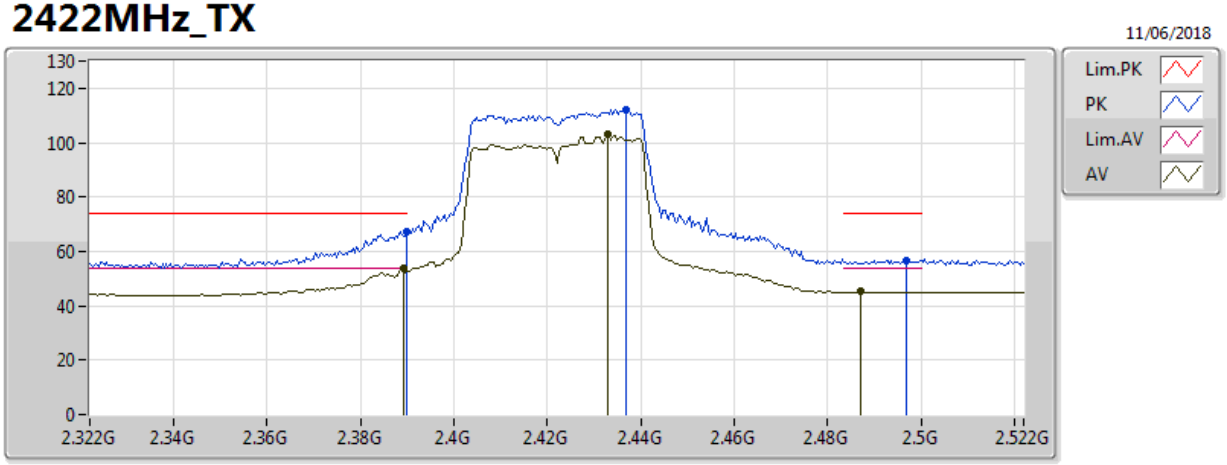


EUT Z_2TX
Setting 70
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.917G	47.36	74.00	-26.64	6.91	3	Horizontal	90	1.27	-
AV	4.91856G	33.84	54.00	-20.16	6.91	3	Horizontal	90	1.27	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

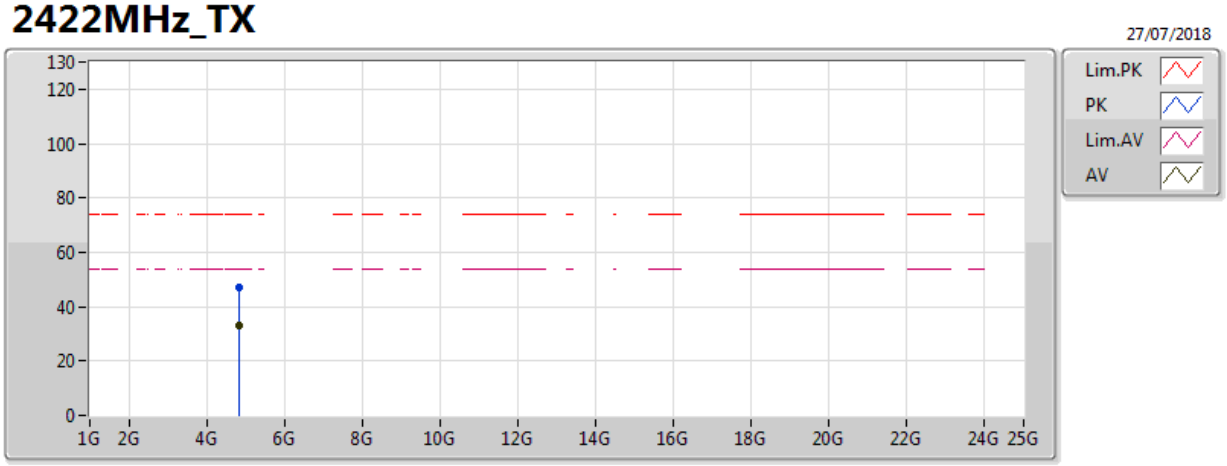


EUT Z_2TX
Setting 66
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	67.45	74.00	-6.55	32.02	3	Vertical	31	1.58	-
AV	2.3892G	53.90	54.00	-0.10	32.02	3	Vertical	31	1.58	-
PK	2.4368G	112.23	Inf	-Inf	32.17	3	Vertical	31	1.58	-
AV	2.4328G	103.03	Inf	-Inf	32.16	3	Vertical	31	1.58	-
PK	2.4968G	56.72	74.00	-17.28	32.36	3	Vertical	31	1.58	-
AV	2.4872G	45.12	54.00	-8.88	32.33	3	Vertical	31	1.58	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

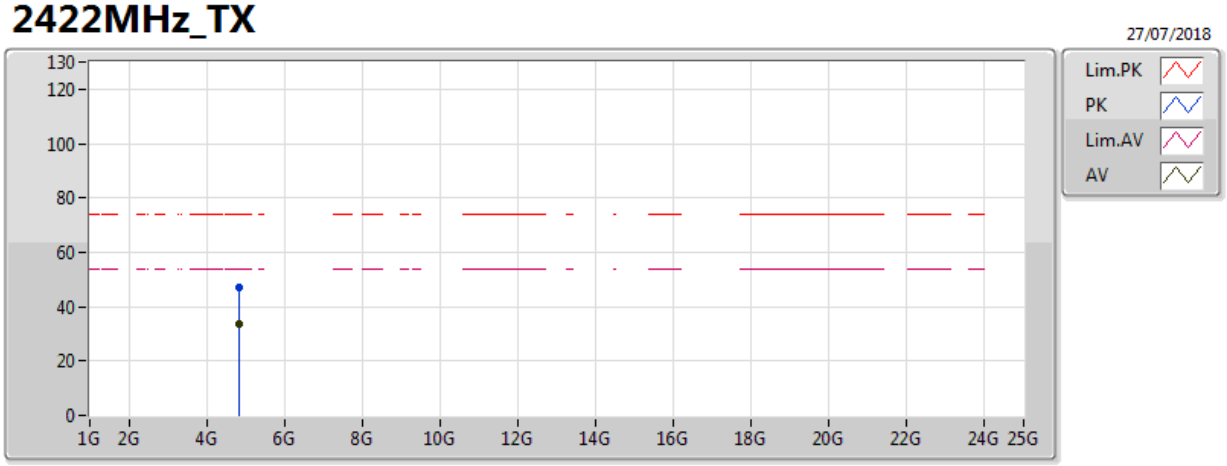


EUT Z_2TX
Setting 66
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8468G	47.31	74.00	-26.69	6.71	3	Vertical	152	1.29	-
AV	4.85396G	33.34	54.00	-20.66	6.73	3	Vertical	152	1.29	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

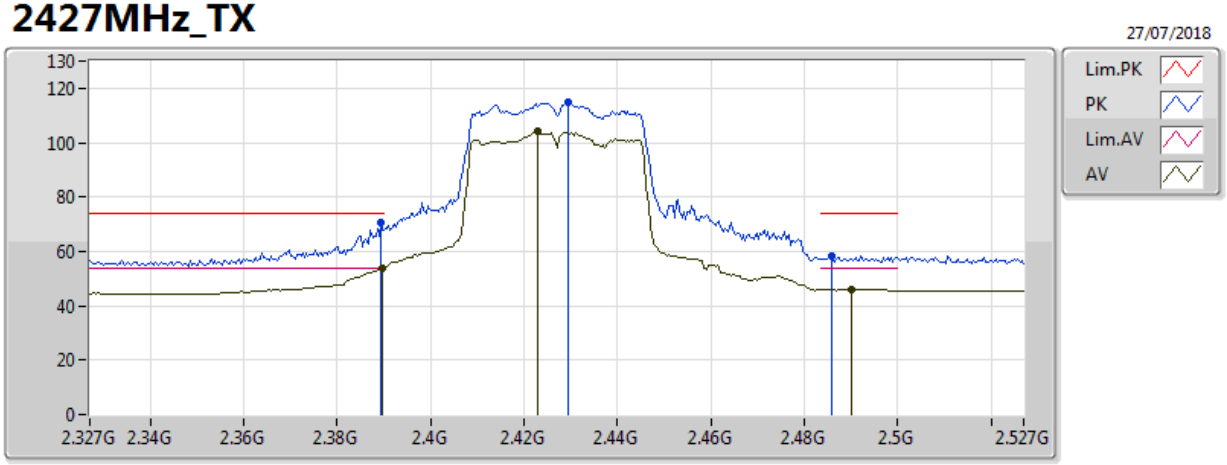


EUT Z_2TX
Setting 66
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83564G	47.04	74.00	-26.96	6.68	3	Horizontal	120	1.70	-
AV	4.85336G	33.36	54.00	-20.64	6.73	3	Horizontal	120	1.70	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2427MHz_TX

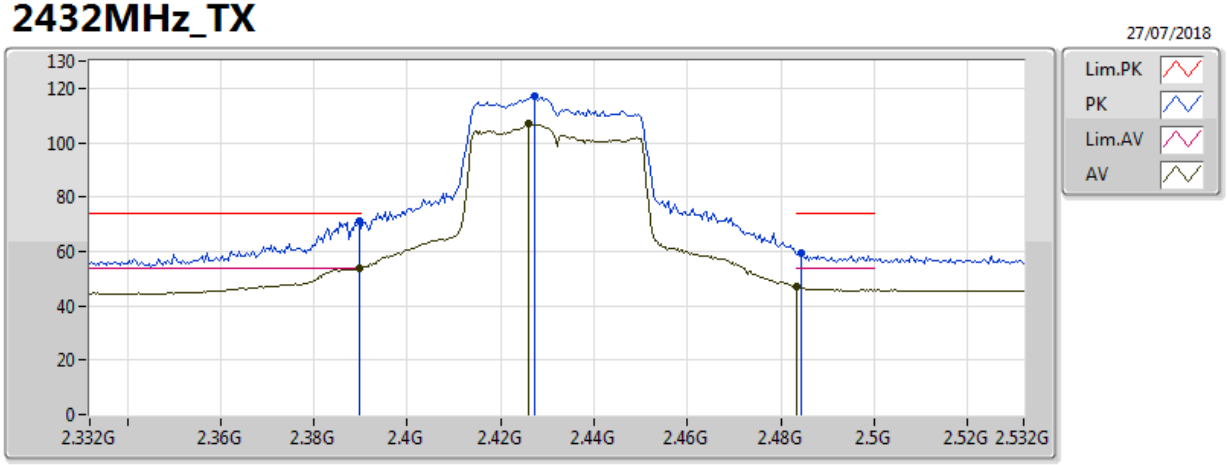


EUT Z_2TX
Setting 69
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	70.54	74.00	-3.46	32.14	3	Vertical	37	2.09	-
AV	2.3898G	53.77	54.00	-0.23	32.14	3	Vertical	37	2.09	-
PK	2.4294G	114.74	Inf	-Inf	32.26	3	Vertical	37	2.09	-
AV	2.423G	104.45	Inf	-Inf	32.24	3	Vertical	37	2.09	-
PK	2.4858G	58.23	74.00	-15.77	32.43	3	Vertical	37	2.09	-
AV	2.4902G	45.97	54.00	-8.03	32.45	3	Vertical	37	2.09	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2432MHz_TX

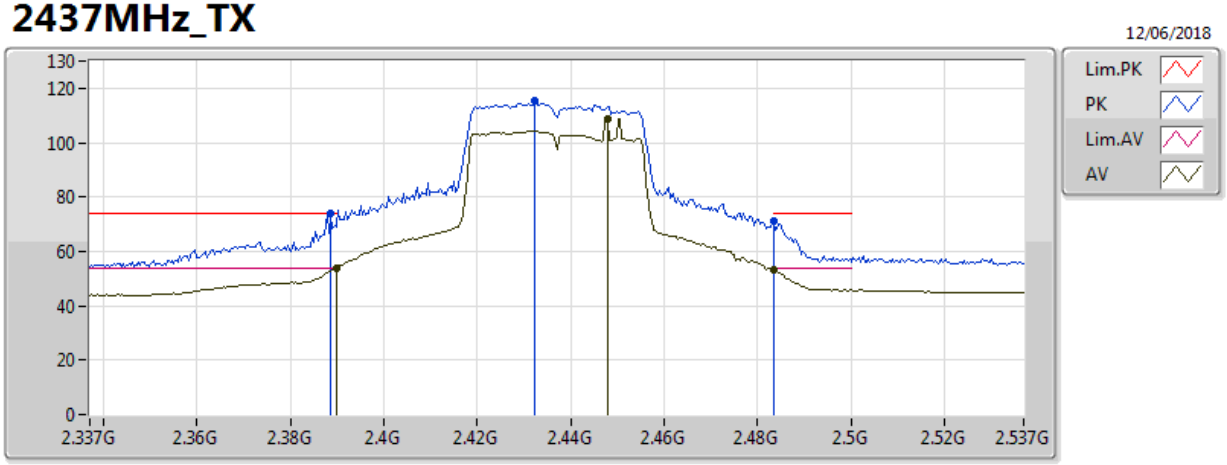


EUT Z_2TX
Setting 72
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	71.25	74.00	-2.75	32.14	3	Vertical	37	2.33	-
AV	2.3896G	53.93	54.00	-0.07	32.14	3	Vertical	37	2.33	-
PK	2.4272G	116.97	Inf	-Inf	32.25	3	Vertical	37	2.33	-
AV	2.426G	106.79	Inf	-Inf	32.25	3	Vertical	37	2.33	-
PK	2.4844G	59.16	74.00	-14.84	32.43	3	Vertical	37	2.33	-
AV	2.483502G	46.93	54.00	-7.07	32.42	3	Vertical	37	2.33	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

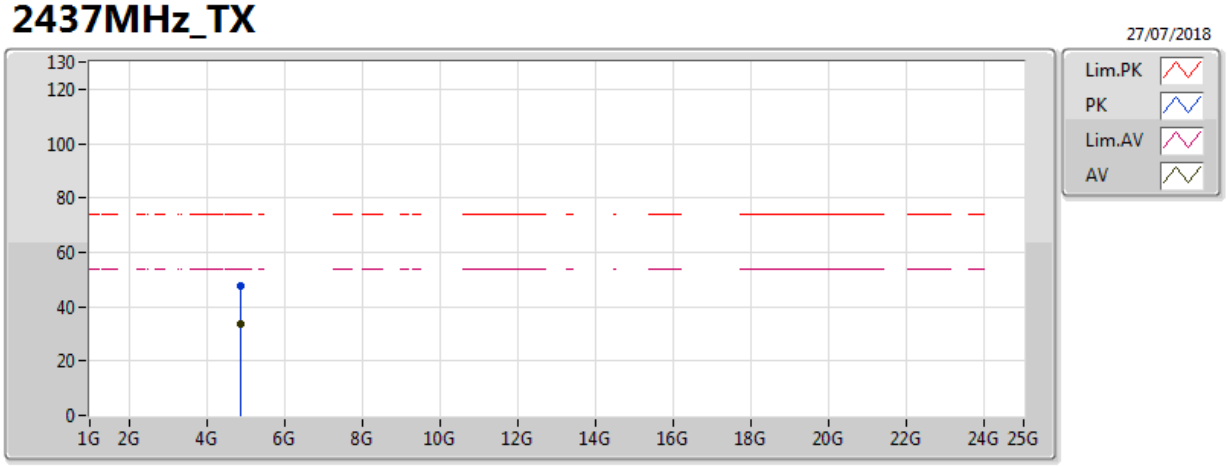


EUT Z_2TX
Setting 78
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	73.74	74.00	-0.26	32.01	3	Vertical	16	1.79	-
AV	2.3898G	53.74	54.00	-0.26	32.01	3	Vertical	16	1.79	-
PK	2.4322G	115.28	Inf	-Inf	32.15	3	Vertical	16	1.79	-
AV	2.4478G	108.97	Inf	-Inf	32.21	3	Vertical	16	1.79	-
PK	2.483502G	70.91	74.00	-3.09	32.32	3	Vertical	16	1.79	-
AV	2.483502G	53.17	54.00	-0.83	32.32	3	Vertical	16	1.79	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

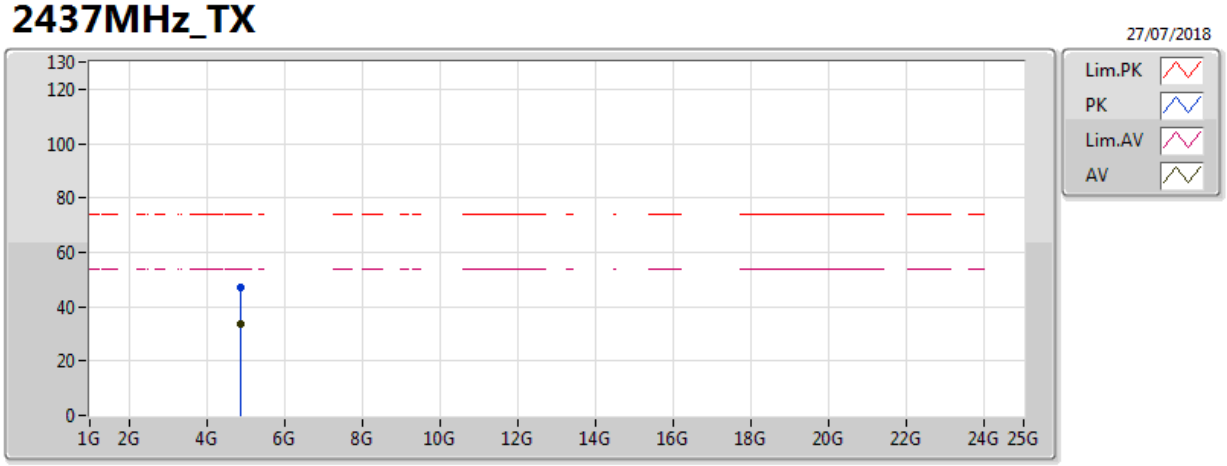


EUT Z_2TX
Setting 78
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87844G	47.51	74.00	-26.49	6.80	3	Vertical	149	1.29	-
AV	4.88116G	33.53	54.00	-20.47	6.81	3	Vertical	149	1.29	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

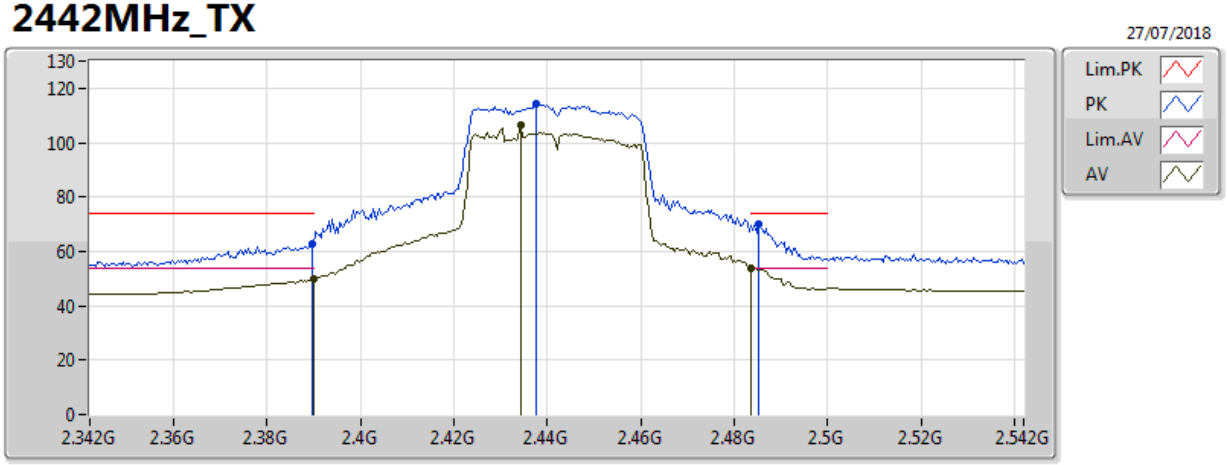


EUT Z_2TX
Setting 78
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86764G	47.31	74.00	-26.69	6.77	3	Horizontal	223	1.12	-
AV	4.88216G	33.56	54.00	-20.44	6.81	3	Horizontal	223	1.12	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2442MHz_TX

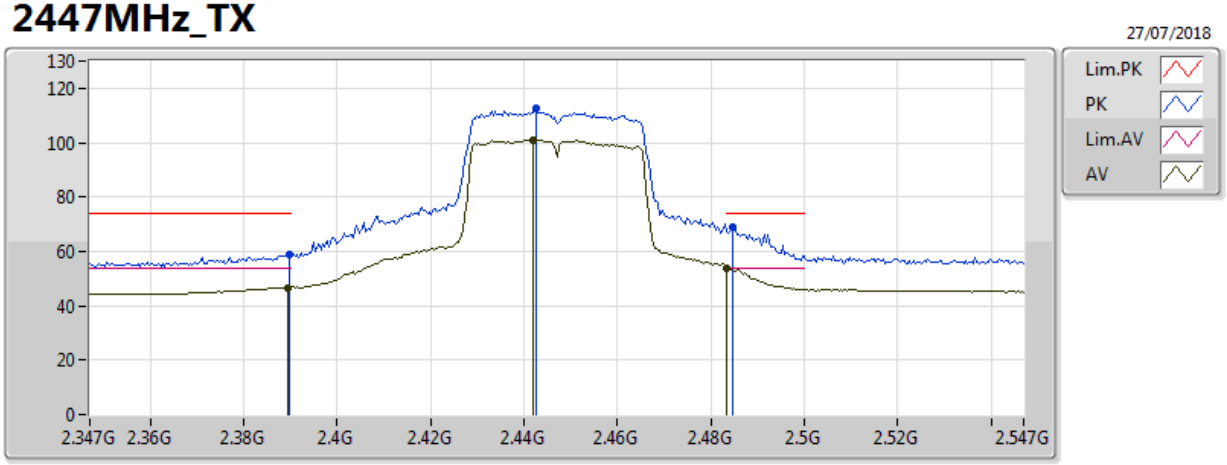


EUT Z_2TX
Setting 73
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	62.51	74.00	-11.49	32.14	3	Vertical	32	2.33	-
AV	2.389998G	49.98	54.00	-4.02	32.14	3	Vertical	32	2.33	-
PK	2.4376G	114.32	Inf	-Inf	32.28	3	Vertical	32	2.33	-
AV	2.4344G	106.20	Inf	-Inf	32.27	3	Vertical	32	2.33	-
PK	2.4852G	70.19	74.00	-3.81	32.43	3	Vertical	32	2.33	-
AV	2.483502G	53.94	54.00	-0.06	32.42	3	Vertical	32	2.33	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

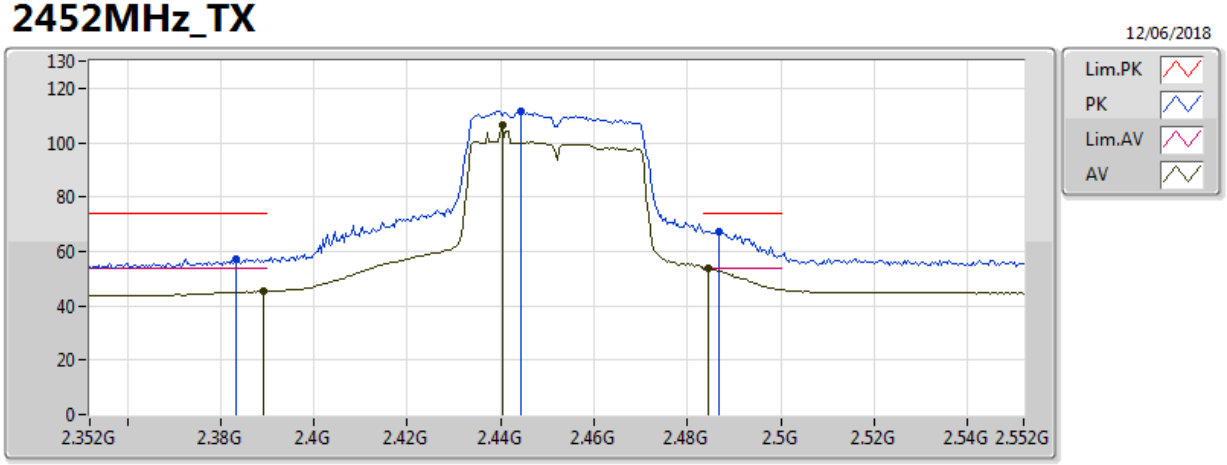


EUT Z_2TX
Setting 65
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	58.57	74.00	-15.43	32.14	3	Vertical	42	2.31	-
AV	2.3894G	46.58	54.00	-7.42	32.14	3	Vertical	42	2.31	-
PK	2.4426G	112.45	Inf	-Inf	32.30	3	Vertical	42	2.31	-
AV	2.4418G	101.12	Inf	-Inf	32.30	3	Vertical	42	2.31	-
PK	2.4846G	69.10	74.00	-4.90	32.43	3	Vertical	42	2.31	-
AV	2.483502G	53.83	54.00	-0.17	32.42	3	Vertical	42	2.31	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

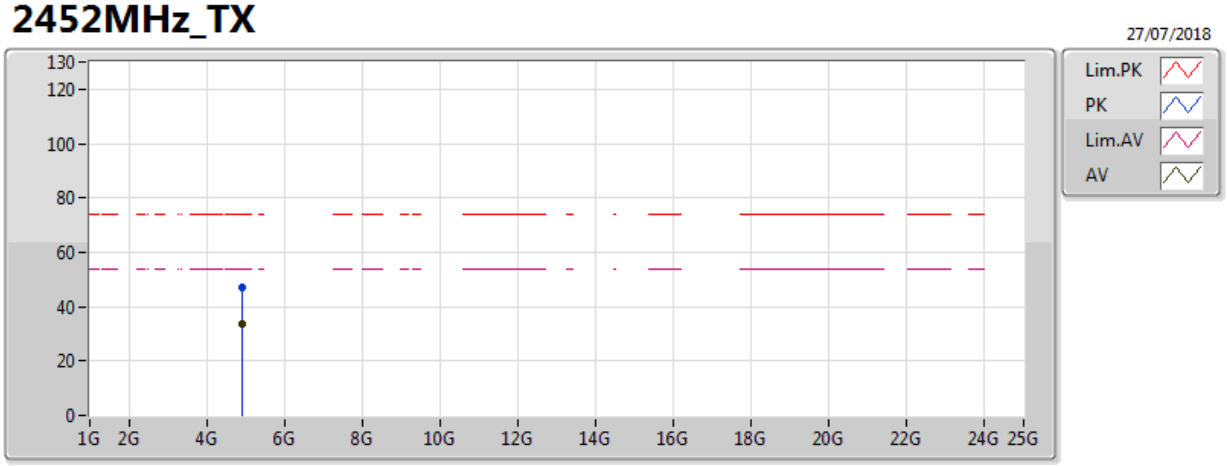


EUT Z_2TX
Setting 64
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3832G	57.31	74.00	-16.69	32.00	3	Vertical	14	1.99	-
AV	2.3892G	45.38	54.00	-8.62	32.02	3	Vertical	14	1.99	-
PK	2.4444G	111.38	Inf	-Inf	32.19	3	Vertical	14	1.99	-
AV	2.4404G	106.59	Inf	-Inf	32.18	3	Vertical	14	1.99	-
PK	2.4868G	67.41	74.00	-6.59	32.33	3	Vertical	14	1.99	-
AV	2.4844G	53.83	54.00	-0.17	32.32	3	Vertical	14	1.99	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

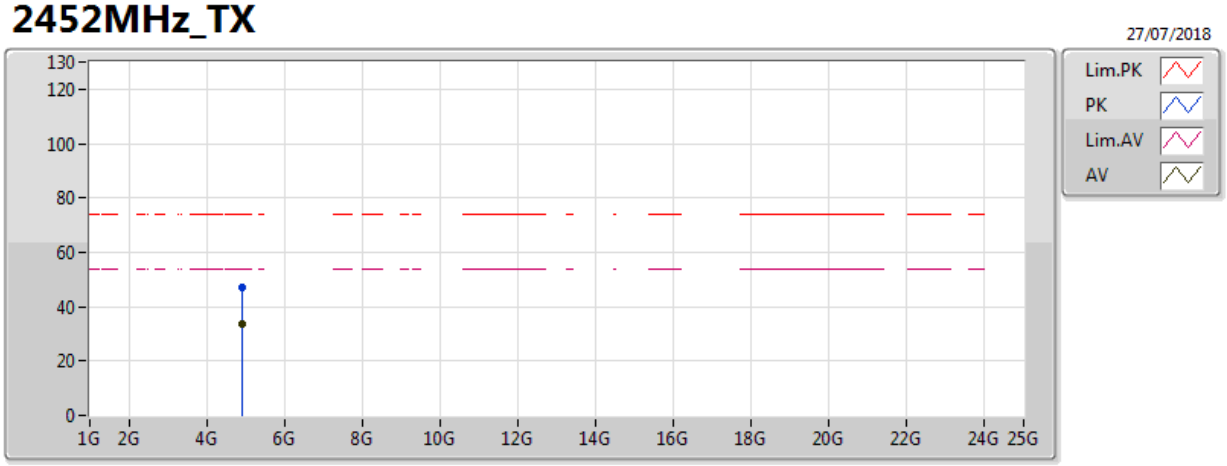


EUT Z_2TX
Setting 64
06-S-5-0
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90694G	47.26	74.00	-26.74	6.88	3	Vertical	107	1.62	-
AV	4.89986G	33.57	54.00	-20.43	6.86	3	Vertical	107	1.62	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

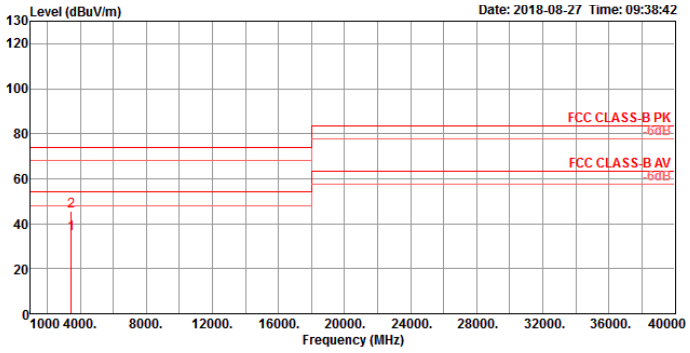
2452MHz_TX



EUT Z_2TX
Setting 64
06-S-5-0
FSP(100080)

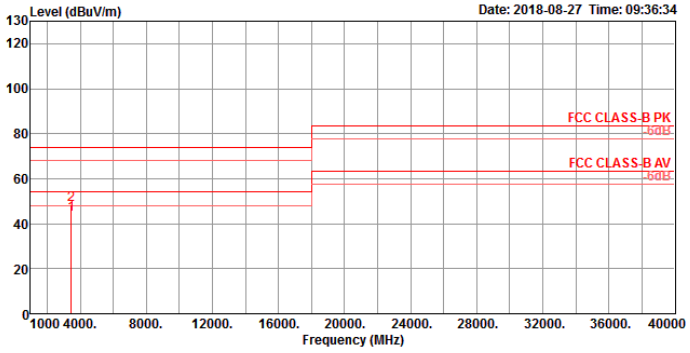
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9014G	46.98	74.00	-27.02	6.86	3	Horizontal	194	1.81	-
AV	4.90368G	33.61	54.00	-20.39	6.87	3	Horizontal	194	1.81	-

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	3453.77	35.28	54.00	-18.72	38.90	4.37	28.69	36.68	291	222	Average	HORIZONTAL
2	3453.79	45.48	74.00	-28.52	49.10	4.37	28.69	36.68	291	222	Peak	HORIZONTAL

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



	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	3453.13	44.26	54.00	-9.74	47.88	4.37	28.69	36.68	148	181	Average	VERTICAL
2	3453.22	48.57	74.00	-25.43	52.19	4.37	28.69	36.68	148	181	Peak	VERTICAL