Testing Laboratory
1190

FCC RADIO TEST REPORT

FCC ID	:	2ABLP-RE1XYZN
Equipment	:	Viasat Smart Home WiFi Extender
Brand Name	:	Viasat
Model Name	:	RE1XXXN-030 (Where "X", may be 0~9, A~Z, blank or dash) 、RE1111N-030 、RE1121N-030
Applicant	:	Viasat, Inc. 6155 El Camino Real Carlsbad, CA 92009 USA
Manufacturer	:	CyberTAN Technology, Inc. No. 99, Park Avenue III, Science-based Industrial Park, Hsinchu, 308 Taiwan
Standard	:	47 CFR FCC Part 15.247

The product was received on Jul. 24, 2018, and testing was started from Jul. 24, 2018 and completed on Nov. 01, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR750330-05AA	01	Initial issue of report	Nov. 13, 2018
FR750330-05AA	02	Removing a Model Name (Model Name: RE1100N-030)	Dec. 24, 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: Vicky Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), 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-Non BF	20	2TX
2.4-2.4835GHz	802.11g-BF	20	2TX
2.4-2.4835GHz	802.11n HT20-Non BF	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	802.11ac VHT20-Non BF	20	2TX
2.4-2.4835GHz	802.11ac VHT20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40-Non BF	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	802.11ac VHT40-Non BF	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

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
					2.4GHz	5GHz Band 1	5GHz Band 4
1	N/A	N/A	PIFA Antenna	N/A	2.7	2.9	3.2
2	Airgain	N2420DCBL	Dipole Antenna	I-PEX	3.9	5.1	4.9

Note: The EUT has two antennas.

For 2.4GHz function:
For IEEE 802.11 b/g/n/ac mode (2TX, 2RX):
Ant. 1(Port 1) and Ant. 2(Port 2) will transmit/receive the same signal simultaneously.
Ant. 1(Port 1) and Ant. 2(Port 2) can be used as transmitting/receiving antennas.

For 5GHz function:
For IEEE 802.11 a/n/ac mode (2TX, 2RX):
Ant. 1(Port 1) and Ant. 2(Port 2) will transmit/receive the same signal simultaneously.
Ant. 1(Port 1) and Ant. 2(Port 2) can be used as transmitting/receiving antennas

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.952	0.214	5.083m	300
802.11g-BF	0.907	0.424	1.52m	1k
802.11ac VHT40-BF	0.894	0.487	1.853m	1k
802.11ac VHT20-BF	0.898	0.467	1.998m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	3.0.187.0			

Note: The product has beamforming function for 802.11a/g/n/ac in 2.4GHz and 5GHz.

1.1.5 Table for Multiple Listing

The model number detail information for the following table

Model Name	Description
RE1XXXN-030	All the models are identical, the difference model served as marketing strategy. (The "X" in model name can be 0 to 9, A to Z, blank or dash, for marking purpose)

Model Name	Power Module	Match Adapter
RE1111N-030	Custom Power Module	Adapter 1(Without DC power cable)
		Adapter 1(With DC power cable)
RE1121N-030	Standard Power Module	Adapter 2

For AC Power-line Conducted Emissions and Emissions in Restricted Frequency Bands(below 1GHz) tests:
From the above models, model name: RE1121N-030 and RE1111N-030 was selected as representative model for the test and its data was recorded in this report.

For other tests:
From the above models, model name: RE1121N-030 was selected as representative model for the test and its data was 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 v05
- FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Serway Li	22°C / 54%	Sep. 01, 2018~Sep. 03, 2018
Radiated below 1GHz	03CH01-CB	Lance Wu	24°C / 56%	Jul. 24, 2018~Oct. 31, 2018
Radiated above 1GHz	03CH01-CB	Lance Wu	24°C / 56%	Jul. 24, 2018~Sep. 26, 2018
AC Conduction	CO02-CB	Wei Li	23°C / 60%	Sep. 26, 2018~Nov. 01, 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	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	24
2437MHz	24
2462MHz	24
802.11g-BF_Nss1,(6Mbps)_2TX	-
2412MHz	18.5
2417MHz	22
2422MHz	23
2427MHz	24
2437MHz	24
2452MHz	24
2457MHz	23
2462MHz	19.5
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18
2417MHz	22
2422MHz	23.5
2427MHz	24
2437MHz	24
2452MHz	24
2457MHz	22.5
2462MHz	19
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	17.5
2427MHz	18
2432MHz	18.5
2437MHz	20.5
2442MHz	19
2447MHz	19
2452MHz	18

Note1:The product has beamforming function for 802.11a/g/n/ac in 2.4GHz and 5GHz. 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.

Note2: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.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	AP Router mode-EUT(model:RE1111N-030)+Adapter1(With DC power cable)
2	AP Router mode-EUT(model:RE1121N-030)+Adapter2
3	AP Router mode-EUT(model:RE1111N-030)+Adapter1(Without DC power cable)

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
Operating Mode	CTX
1	EUT(model:RE1121N-030)+Adapter2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	AP Router mode-EUT at Y-axis(model:RE1111N-030)+Adapter1(With DC power cable)
2	AP Router mode-EUT at Z-axis(model:RE1111N-030)+Adapter1(With DC power cable)
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	AP Router mode-EUT at Z-axis(model:RE1121N-030)+Adapter2
4	AP Router mode-EUT at Z-axis(model:RE1111N-030)+Adapter1(Without DC power cable)
For operating mode 2、mode 3 and mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position. The worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT at Z-axis(model:RE1121N-030)+Adapter2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at Y axis and Z axis position for Emissions in Restricted Frequency Bands below 1GHz. The worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT at Z-axis(model:RE1121N-030)+Adapter2-WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT(model:RE1121N-030)-WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA750330-05 for Co-location RF Exposure Evaluation.	

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

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

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 Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter 1	LEI	MU13-3050250-A1	Input: 100-240V~50/60Hz, 0.3A Output: 5V, 2.5A
Adapter 2	DVE	DSA-13PFD-05 FUS 050250	Input: 100-240V~50/60Hz, 0.5A Output: 5V, 2.5A
Other			
DC power cable*1, non-shielded 1.8m (for Adapter 1 use only)			

2.5 Support Equipment

For Test Site No: CO02-CB

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

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	N/A
2	NB*2	Apple	Mac Book	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	DELL	E4300	N/A
2	Afterburner Wireless Home Gateway (RX Device)	Viasat	RE1121N-030	2ABLP-RE1XYZN

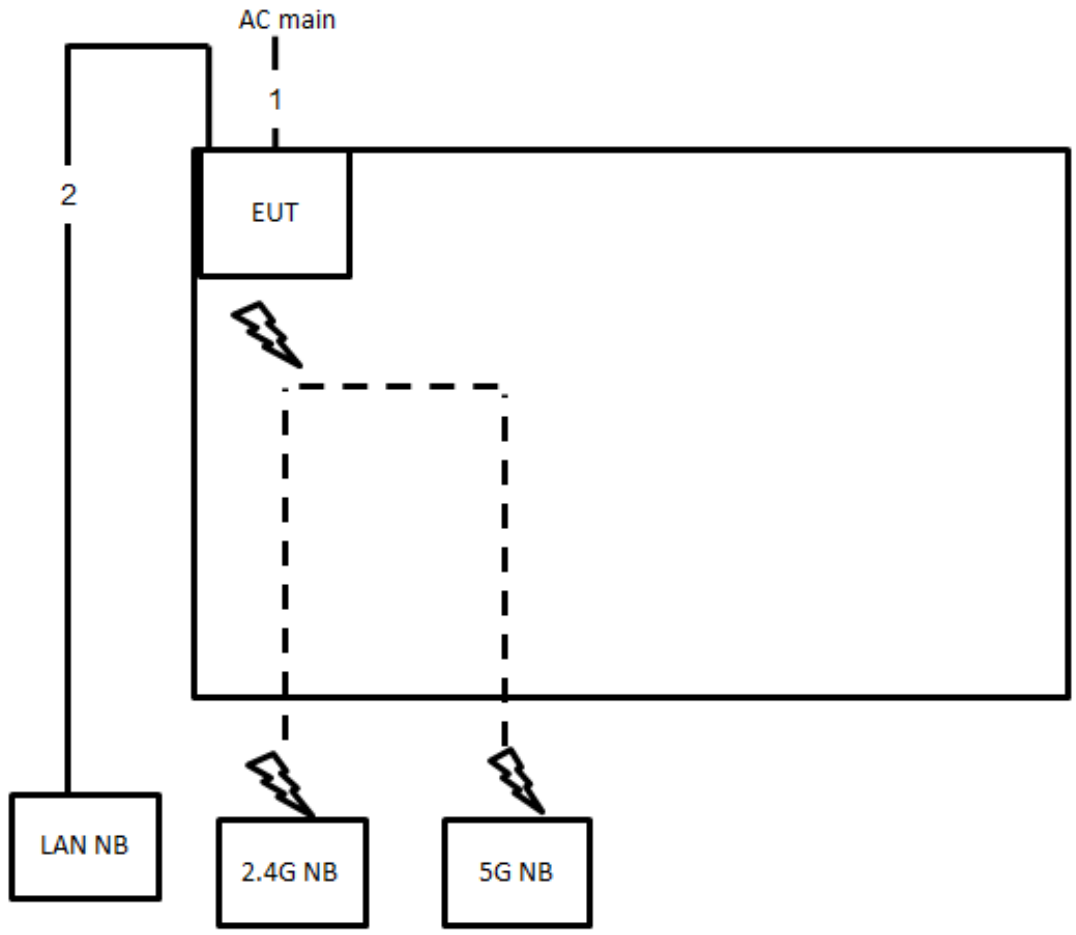
For Test Site No: TH01-CB

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

2.6 Test Setup Diagram

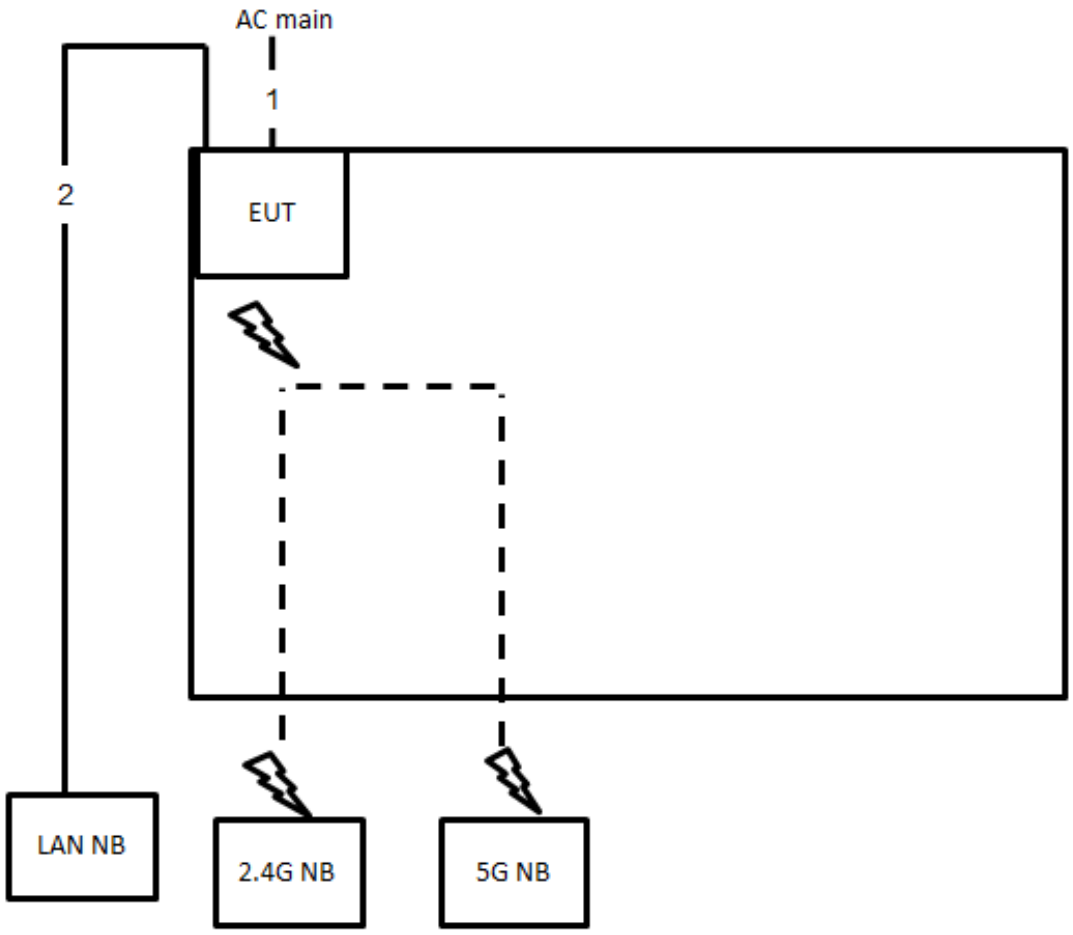
For Test Setup Diagram – AC Line Conducted Emission Test:

Mode 1



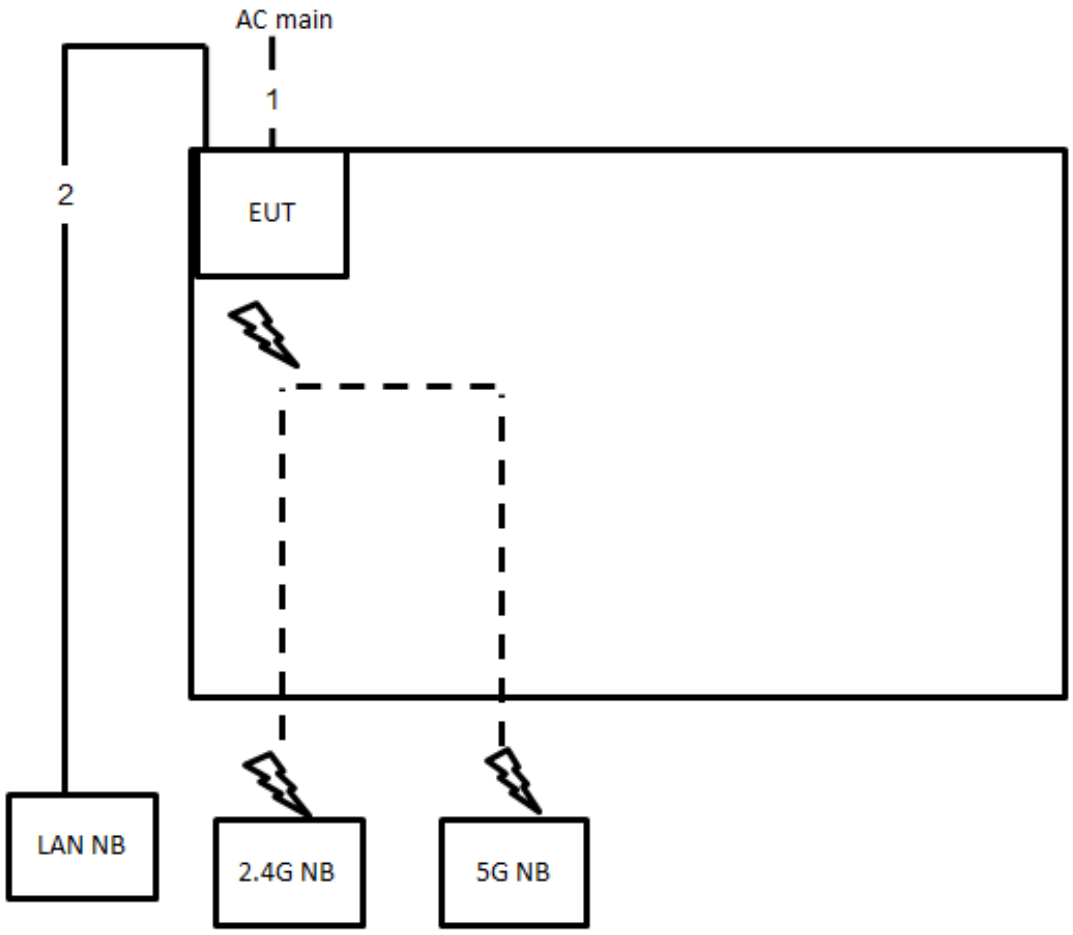
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m

Mode 2



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

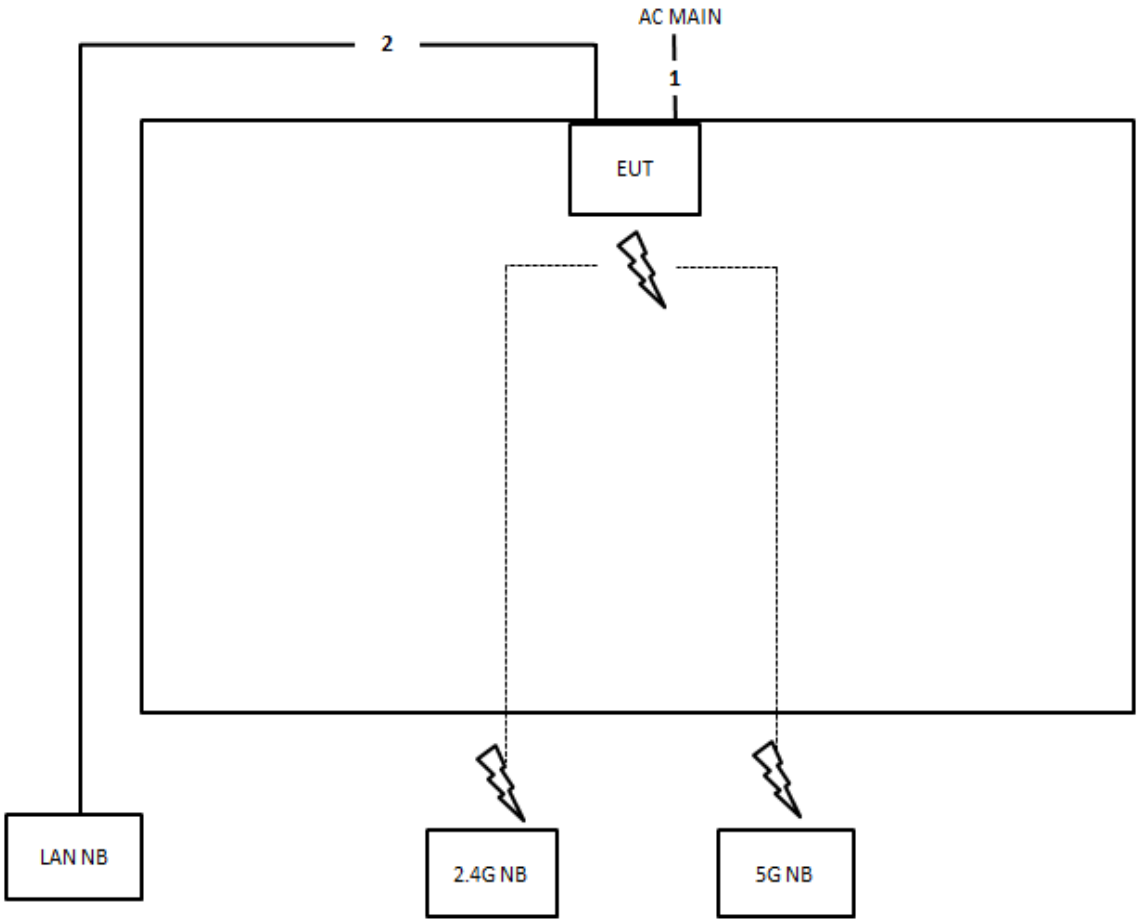
Mode 3



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

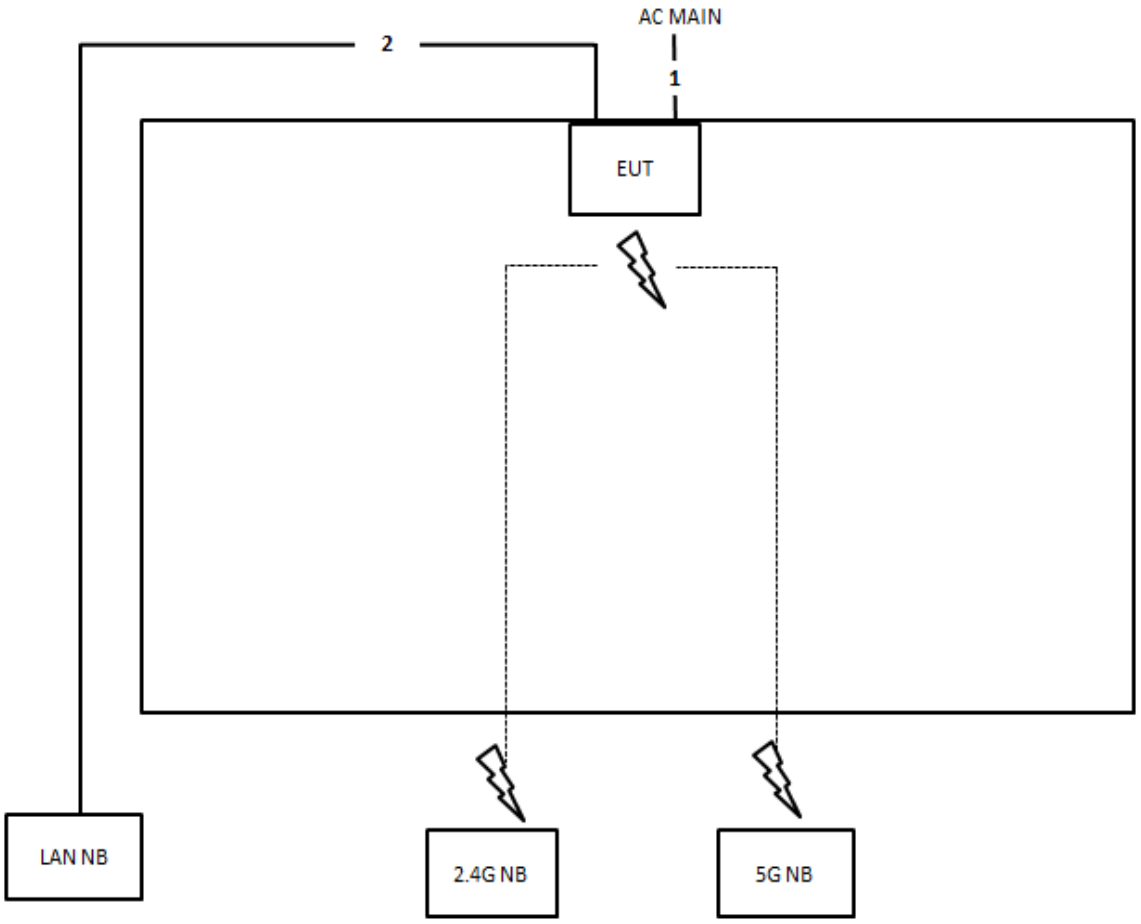
For Test Setup Diagram - Radiated Test < 1GHz:

Mode 2



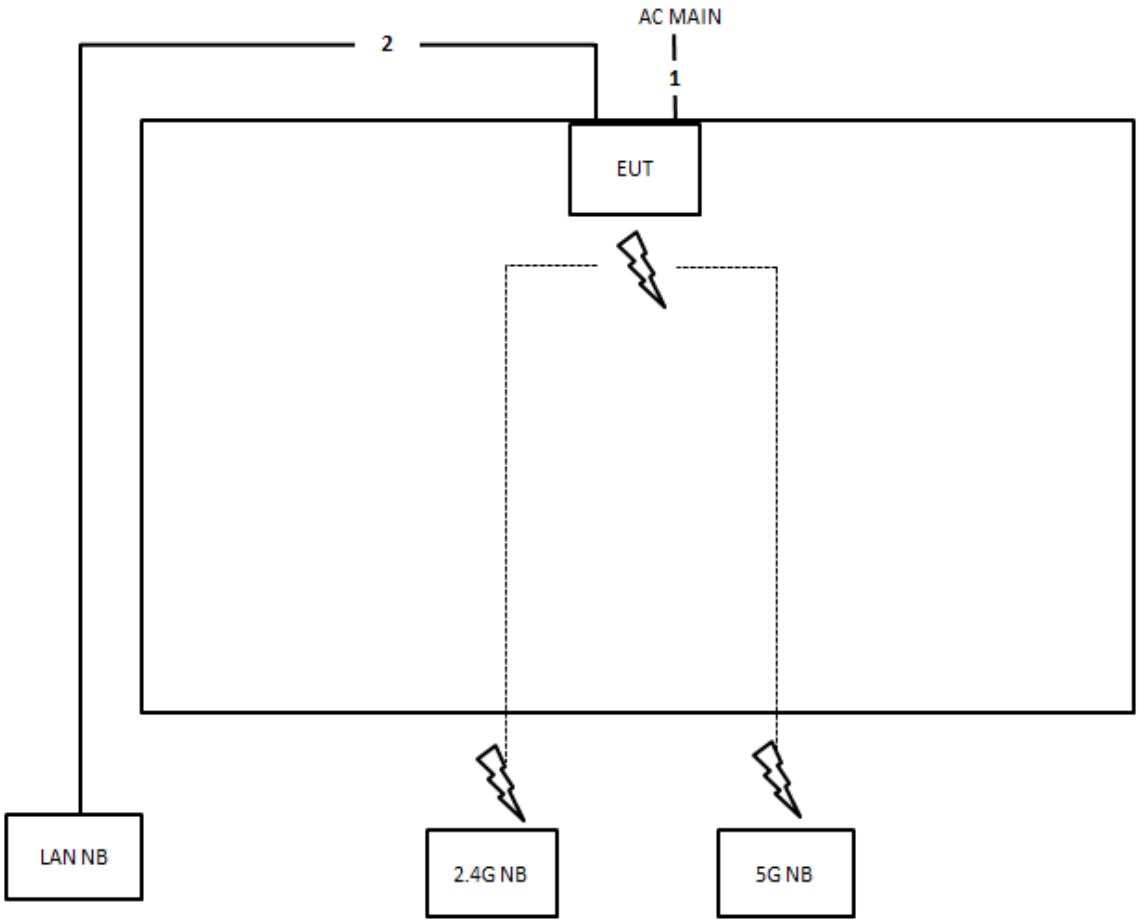
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m

Mode 3



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

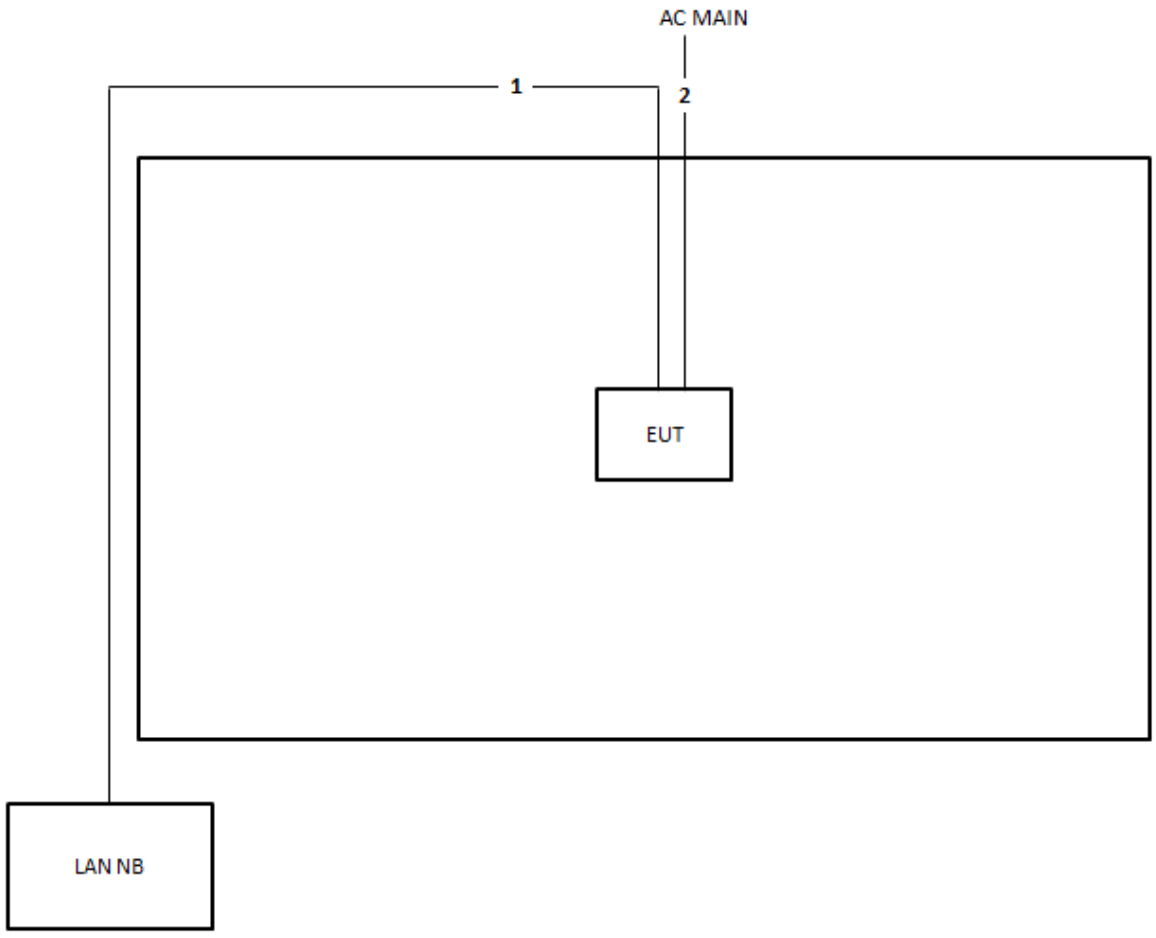
Mode 4



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

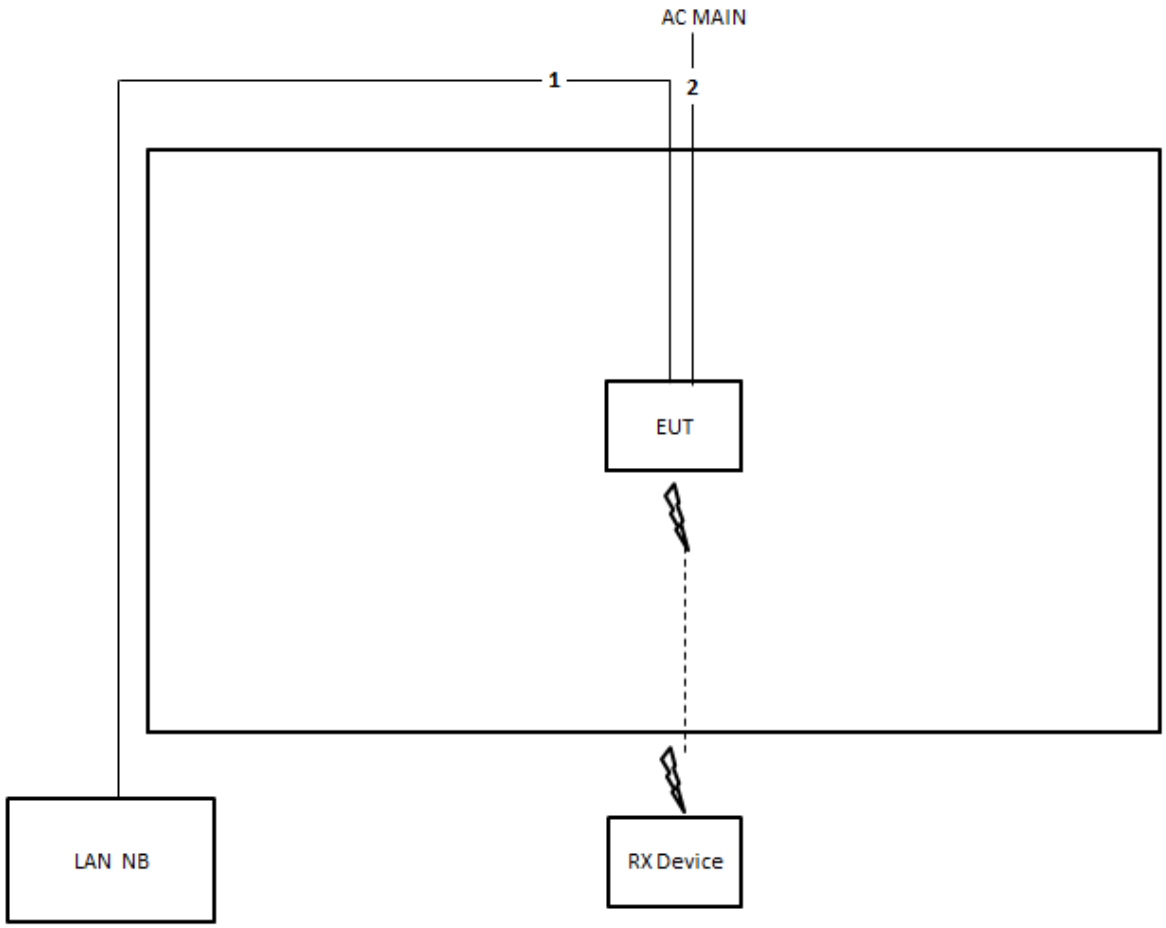
For Test Setup Diagram - Radiated Test > 1GHz:

non-beamforming mode



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

beamforming mode



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

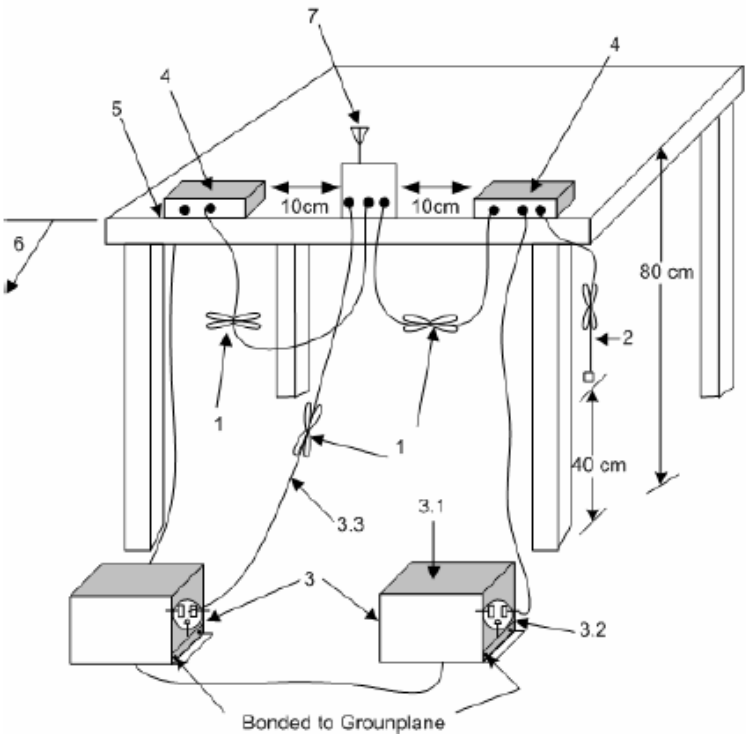
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

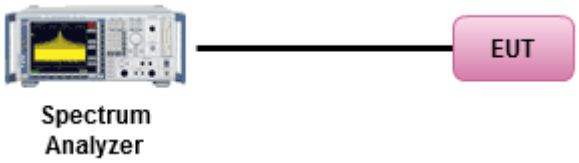
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

3.4.2 Measuring Instruments

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

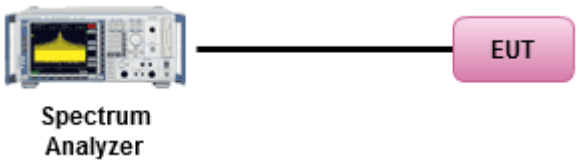
3.4.3 Test Procedures

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

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

3.4.4 Test Setup

Power Spectral Density



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

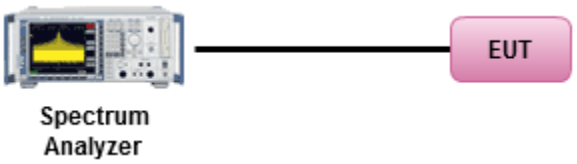
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

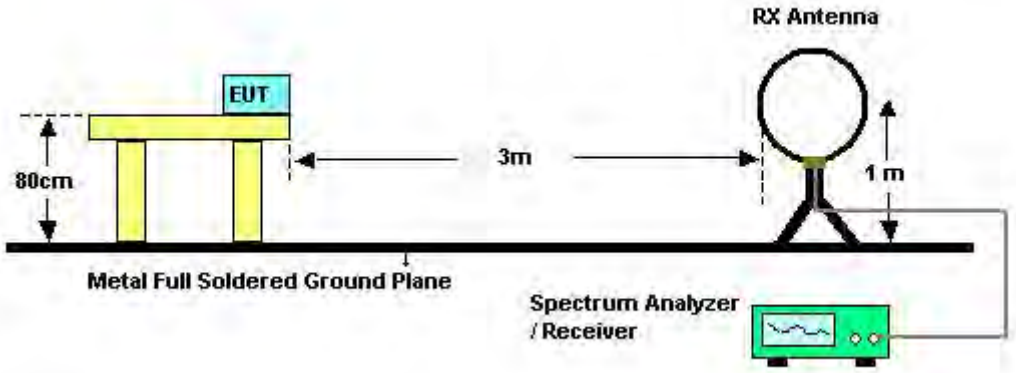
3.6.3 Test Procedures

Test Method		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ Refer as ANSI C63.10, clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074 clause 8.7 & c63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.	
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.	
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).	
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB	
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.	

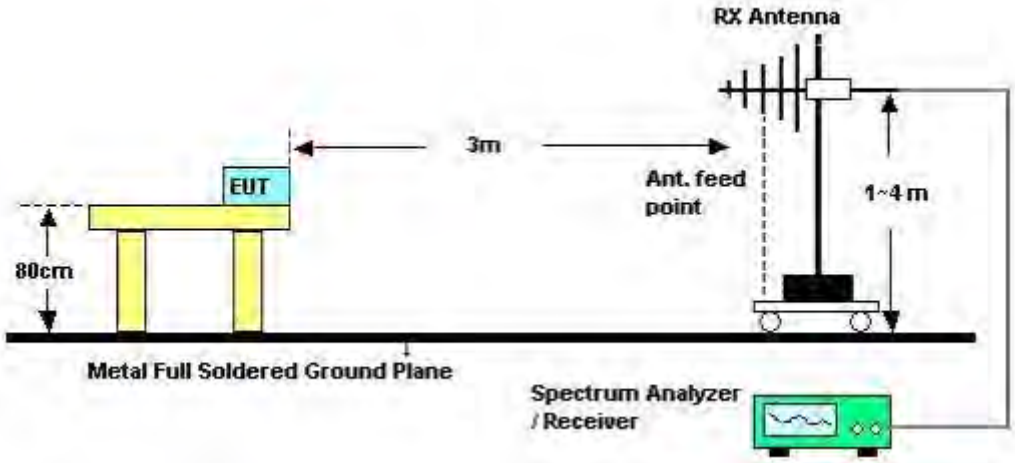
3.6.4 Test Setup

Transmitter Radiated Emissions

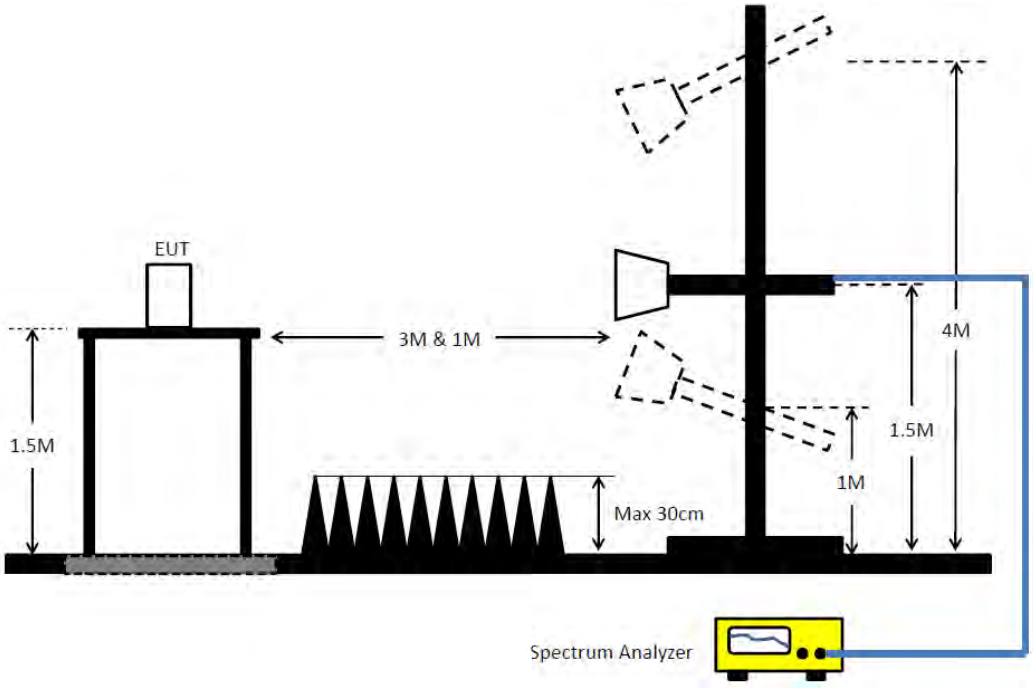
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

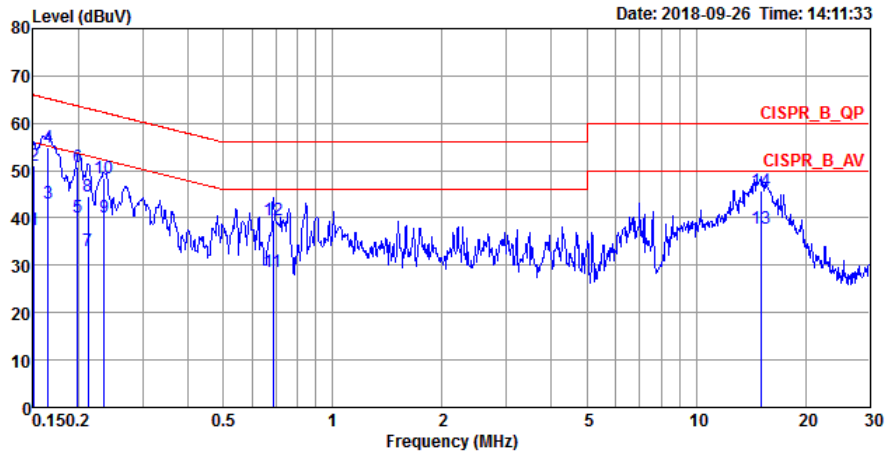
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
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)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	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)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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#1	N/A	18GHz~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	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.
NCR means Non-Calibration required.

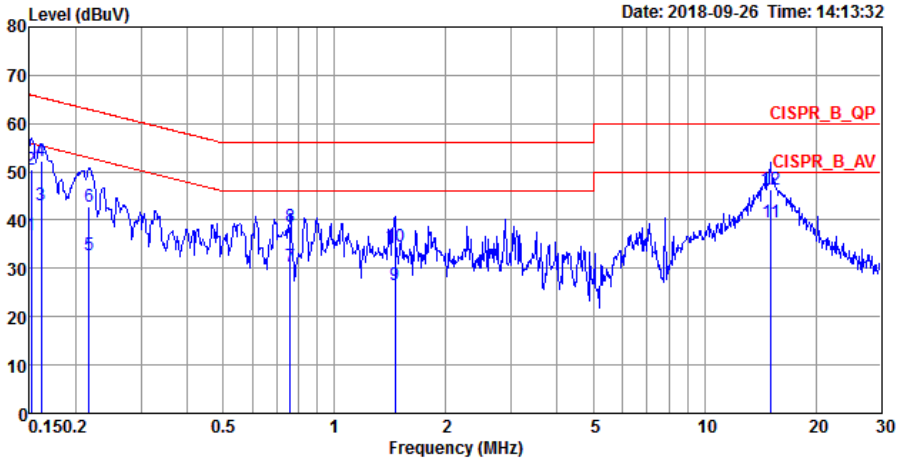
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1508	37.42	-18.54	55.96	27.24	10.17	0.01	Average	NEUTRAL
2	0.1508	51.06	-14.90	65.96	40.88	10.17	0.01	QP	NEUTRAL
3	0.1650	42.96	-12.25	55.21	32.78	10.17	0.01	Average	NEUTRAL
4	0.1650	55.02	-10.19	65.21	44.84	10.17	0.01	QP	NEUTRAL
5	0.1986	40.17	-13.50	53.67	29.99	10.17	0.01	Average	NEUTRAL
6	0.1986	50.63	-13.04	63.67	40.45	10.17	0.01	QP	NEUTRAL
7	0.2128	32.99	-20.11	53.10	22.81	10.17	0.01	Average	NEUTRAL
8	0.2128	44.55	-18.55	63.10	34.37	10.17	0.01	QP	NEUTRAL
9	0.2353	40.12	-12.14	52.26	29.93	10.17	0.02	Average	NEUTRAL
10	0.2353	48.34	-13.92	62.26	38.15	10.17	0.02	QP	NEUTRAL
11	0.6863	28.72	-17.28	46.00	18.52	10.18	0.02	Average	NEUTRAL
12	0.6863	39.43	-16.57	56.00	29.23	10.18	0.02	QP	NEUTRAL
13	15.0310	37.70	-12.30	50.00	27.23	10.37	0.10	Average	NEUTRAL
14	15.0310	45.76	-14.24	60.00	35.29	10.37	0.10	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.)

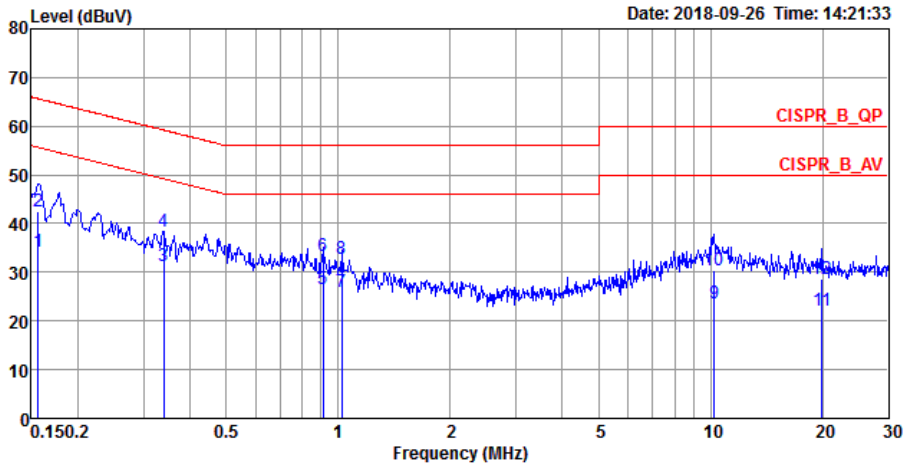
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1516	37.04	-18.87	55.91	26.87	10.16	0.01	Average	LINE
2	0.1516	50.53	-15.38	65.91	40.36	10.16	0.01	QP	LINE
3	0.1616	42.96	-12.42	55.38	32.79	10.16	0.01	Average	LINE
4	0.1616	52.34	-13.04	65.38	42.17	10.16	0.01	QP	LINE
5	0.2174	32.87	-20.05	52.92	22.70	10.16	0.01	Average	LINE
6	0.2174	42.90	-20.02	62.92	32.73	10.16	0.01	QP	LINE
7	0.7589	30.26	-15.74	46.00	20.07	10.17	0.02	Average	LINE
8	0.7589	38.65	-17.35	56.00	28.46	10.17	0.02	QP	LINE
9	1.4562	26.43	-19.57	46.00	16.22	10.18	0.03	Average	LINE
10	1.4562	34.59	-21.41	56.00	24.38	10.18	0.03	QP	LINE
11	15.1107	39.61	-10.39	50.00	29.14	10.37	0.10	Average	LINE
12	15.1107	46.22	-13.78	60.00	35.75	10.37	0.10	QP	LINE

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

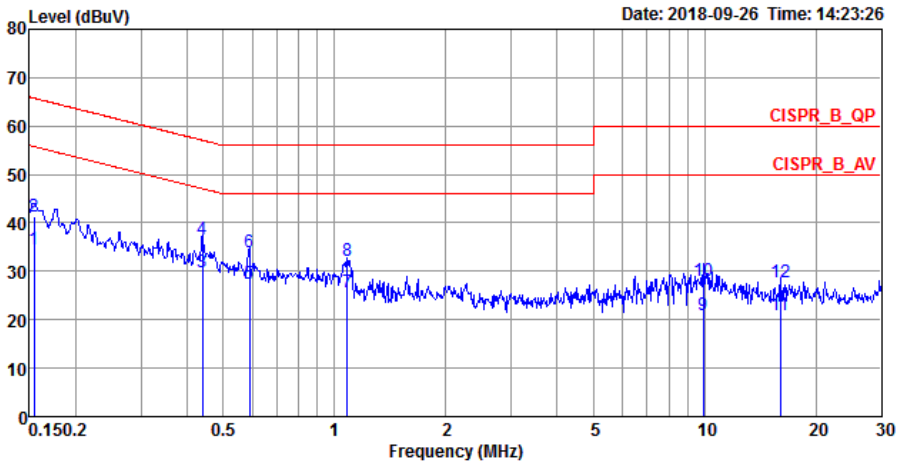
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1565	34.34	-21.31	55.65	24.16	10.17	0.01	Average	NEUTRAL
2	0.1565	42.55	-23.10	65.65	32.37	10.17	0.01	QP	NEUTRAL
3	0.3392	31.28	-17.94	49.22	21.09	10.17	0.02	Average	NEUTRAL
4	0.3392	38.41	-20.81	59.22	28.22	10.17	0.02	QP	NEUTRAL
5	0.9087	26.55	-19.45	46.00	16.35	10.18	0.02	Average	NEUTRAL
6	0.9087	33.23	-22.77	56.00	23.03	10.18	0.02	QP	NEUTRAL
7	1.0211	25.91	-20.09	46.00	15.71	10.18	0.02	Average	NEUTRAL
8	1.0211	32.67	-23.33	56.00	22.47	10.18	0.02	QP	NEUTRAL
9	10.2332	23.67	-26.33	50.00	13.28	10.32	0.07	Average	NEUTRAL
10	10.2332	30.55	-29.45	60.00	20.16	10.32	0.07	QP	NEUTRAL
11	19.9500	22.12	-27.88	50.00	11.60	10.40	0.12	Average	NEUTRAL
12	19.9500	28.76	-31.24	60.00	18.24	10.40	0.12	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.)

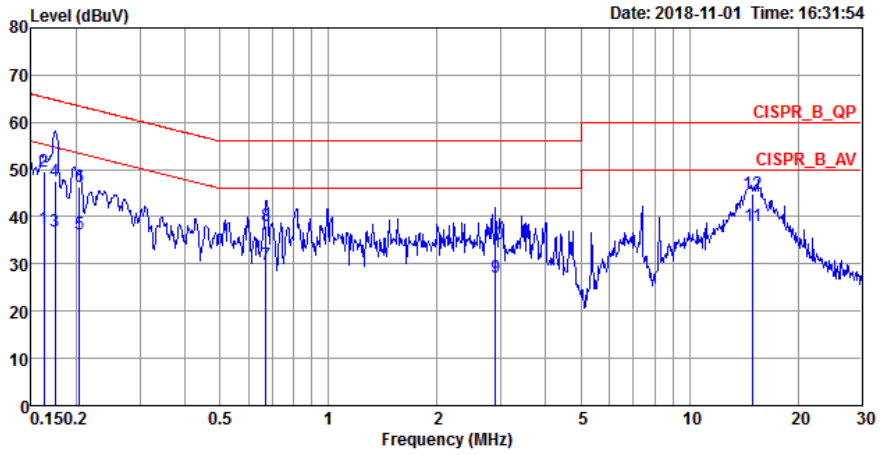
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1540	34.62	-21.16	55.78	24.45	10.16	0.01	Average	LINE
2	0.1540	41.42	-24.36	65.78	31.25	10.16	0.01	QP	LINE
3	0.4397	29.67	-17.40	47.07	19.48	10.16	0.03	Average	LINE
4	0.4397	36.63	-20.44	57.07	26.44	10.16	0.03	QP	LINE
5	0.5885	27.36	-18.64	46.00	17.17	10.16	0.03	Average	LINE
6	0.5885	33.94	-22.06	56.00	23.75	10.16	0.03	QP	LINE
7	1.0824	25.58	-20.42	46.00	15.39	10.17	0.02	Average	LINE
8	1.0824	32.25	-23.75	56.00	22.06	10.17	0.02	QP	LINE
9	9.9130	20.95	-29.05	50.00	10.56	10.32	0.07	Average	LINE
10	9.9130	27.94	-32.06	60.00	17.55	10.32	0.07	QP	LINE
11	16.0546	20.97	-29.03	50.00	10.49	10.38	0.10	Average	LINE
12	16.0546	27.76	-32.24	60.00	17.28	10.38	0.10	QP	LINE

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

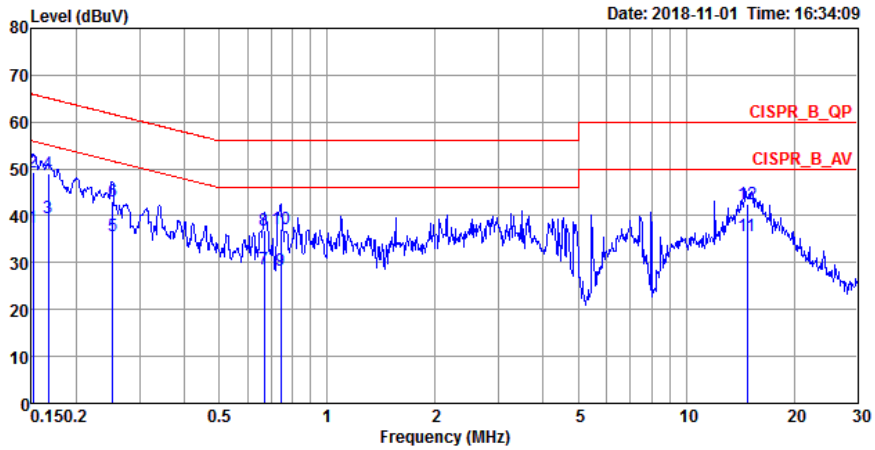
AC Power-line Conducted Emissions Result			
Operating Mode	3	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1624	37.60	-17.74	55.34	27.52	9.92	0.16	Average	NEUTRAL
2	0.1624	49.60	-15.74	65.34	39.52	9.92	0.16	QP	NEUTRAL
3	0.1749	36.83	-17.89	54.72	26.76	9.92	0.15	Average	NEUTRAL
4	0.1749	47.42	-17.30	64.72	37.35	9.92	0.15	QP	NEUTRAL
5	0.2040	36.42	-17.03	53.45	26.36	9.92	0.14	Average	NEUTRAL
6	0.2040	46.27	-17.18	63.45	36.21	9.92	0.14	QP	NEUTRAL
7	0.6719	29.74	-16.26	46.00	19.64	9.93	0.17	Average	NEUTRAL
8	0.6719	38.12	-17.88	56.00	28.02	9.93	0.17	QP	NEUTRAL
9	2.8998	27.10	-18.90	46.00	16.95	9.97	0.18	Average	NEUTRAL
10	2.8998	34.20	-21.80	56.00	24.05	9.97	0.18	QP	NEUTRAL
11	14.9891	38.04	-11.96	50.00	27.64	10.18	0.22	Average	NEUTRAL
12	14.9891	45.00	-15.00	60.00	34.60	10.18	0.22	QP	NEUTRAL

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

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



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1516	37.52	-18.39	55.91	27.45	9.91	0.16	Average	LINE
2	0.1516	49.16	-16.75	65.91	39.09	9.91	0.16	QP	LINE
3	0.1668	39.46	-15.66	55.12	29.39	9.91	0.16	Average	LINE
4	0.1668	49.05	-16.07	65.12	38.98	9.91	0.16	QP	LINE
5	0.2521	35.76	-15.93	51.69	25.72	9.91	0.13	Average	LINE
6	0.2521	43.12	-18.57	61.69	33.08	9.91	0.13	QP	LINE
7	0.6683	28.50	-17.50	46.00	18.42	9.92	0.16	Average	LINE
8	0.6683	36.83	-19.17	56.00	26.75	9.92	0.16	QP	LINE
9	0.7430	28.46	-17.54	46.00	18.37	9.92	0.17	Average	LINE
10	0.7430	37.09	-18.91	56.00	27.00	9.92	0.17	QP	LINE
11	14.8082	35.76	-14.24	50.00	25.27	10.27	0.22	Average	LINE
12	14.8082	42.62	-17.38	60.00	32.13	10.27	0.22	QP	LINE

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

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	9.025M	13.418M	13M4G1D	7.075M	13.268M
802.11g-BF_Nss1,(6Mbps)_2TX	16.325M	22.464M	22M5D1D	16.275M	16.492M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.575M	26.362M	26M4D1D	17.325M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	36.35M	36.482M	36M5D1D	35.65M	36.232M

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

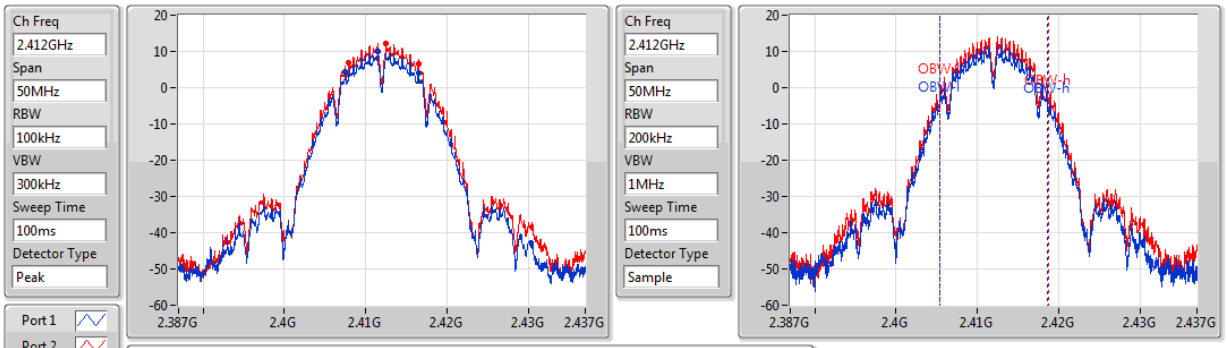
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	9.025M	13.343M	8.575M	13.343M
2437MHz	Pass	500k	7.075M	13.318M	9.025M	13.268M
2462MHz	Pass	500k	7.075M	13.418M	7.575M	13.343M
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.517M	16.325M	16.567M
2437MHz	Pass	500k	16.275M	22.464M	16.275M	16.892M
2462MHz	Pass	500k	16.325M	16.492M	16.325M	16.567M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.716M	17.55M	17.816M
2437MHz	Pass	500k	17.325M	26.362M	17.575M	18.016M
2462MHz	Pass	500k	17.575M	17.691M	17.575M	17.791M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.3M	36.232M	35.95M	36.232M
2437MHz	Pass	500k	36.35M	36.482M	35.65M	36.282M
2452MHz	Pass	500k	35.95M	36.332M	36.3M	36.382M

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

802.11b_Nss1,(1Mbps)_2TX — EBW

2412MHz

01/09/2018

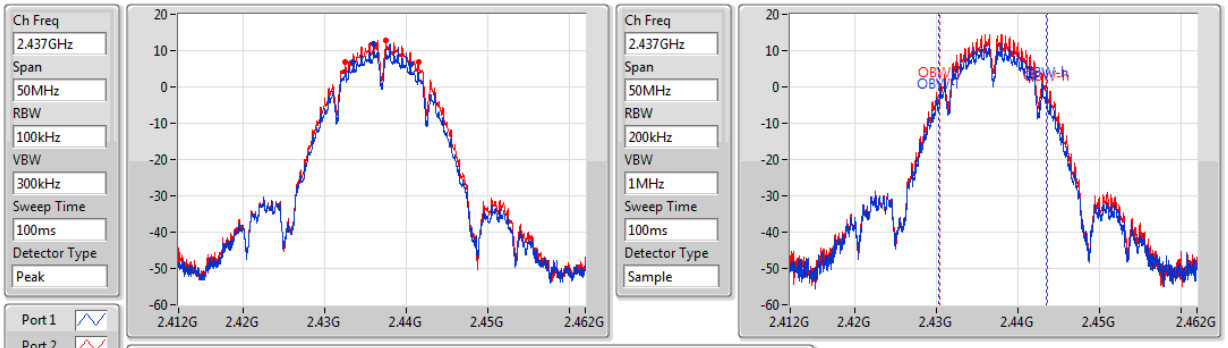


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.407475G	2.4165G	13.343M	2.405328G	2.418672G	500k	1
8.575M	2.40795G	2.416525G	13.343M	2.405403G	2.418747G	500k	2

802.11b_Nss1,(1Mbps)_2TX — EBW

2437MHz

01/09/2018

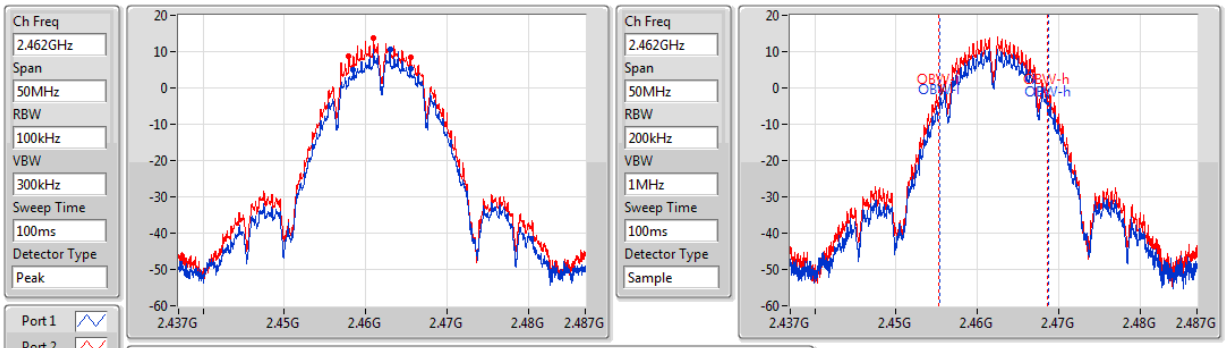


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.43345G	2.440525G	13.318M	2.430203G	2.443522G	500k	1
9.025M	2.432475G	2.4415G	13.268M	2.430353G	2.443622G	500k	2

802.11b_Nss1,(1Mbps)_2TX — EBW

2462MHz

01/09/2018

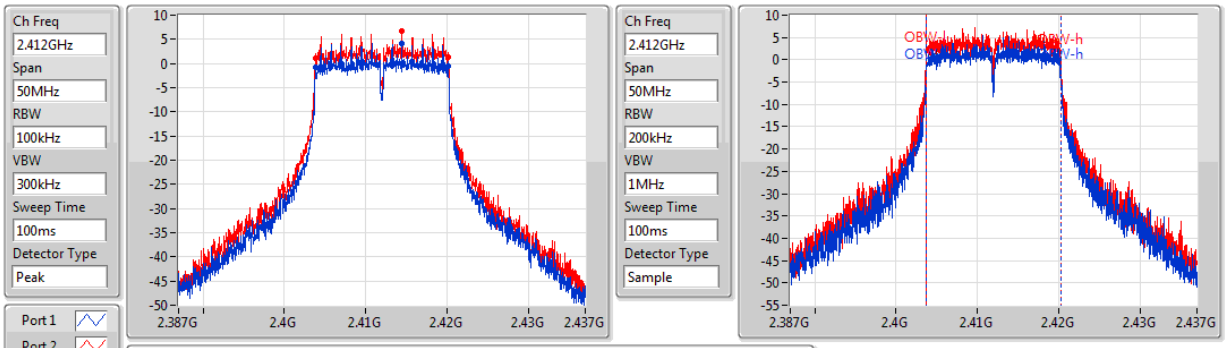


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.45845G	2.465525G	13.418M	2.455353G	2.468772G	500k	1
7.575M	2.45795G	2.465525G	13.343M	2.455303G	2.468647G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX EBW

2412MHz

01/09/2018

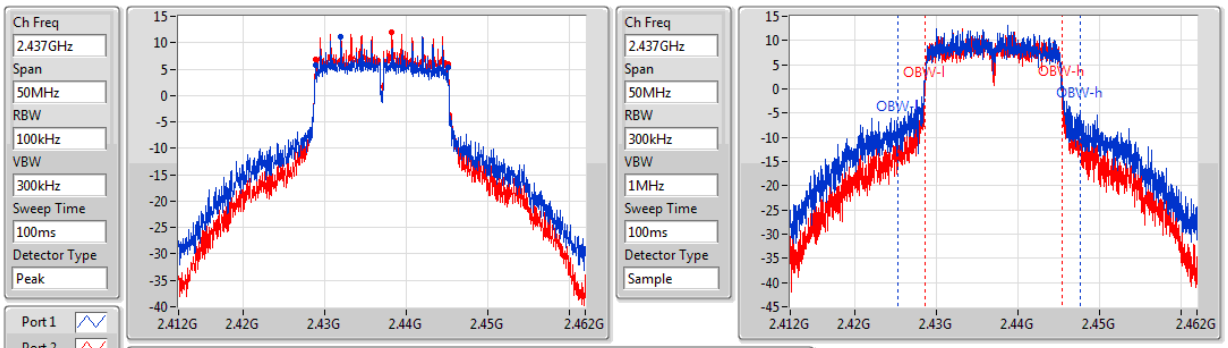


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.517M	2.403729G	2.420246G	500k	1
16.325M	2.403825G	2.42015G	16.567M	2.403704G	2.420271G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX EBW

2437MHz

01/09/2018

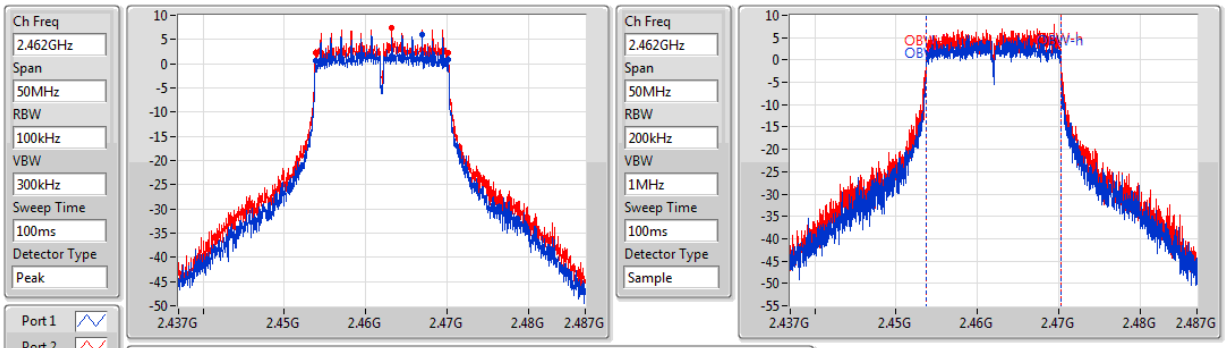


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.42885G	2.445125G	22.464M	2.425231G	2.447695G	500k	1
16.275M	2.42885G	2.445125G	16.892M	2.428529G	2.445421G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX EBW

2462MHz

01/09/2018

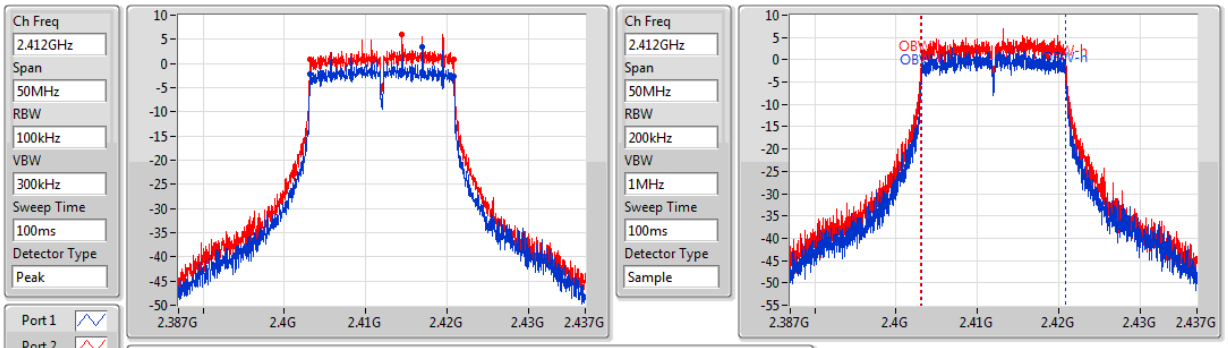


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.492M	2.453729G	2.470221G	500k	1
16.325M	2.453825G	2.47015G	16.567M	2.453704G	2.470271G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

01/09/2018

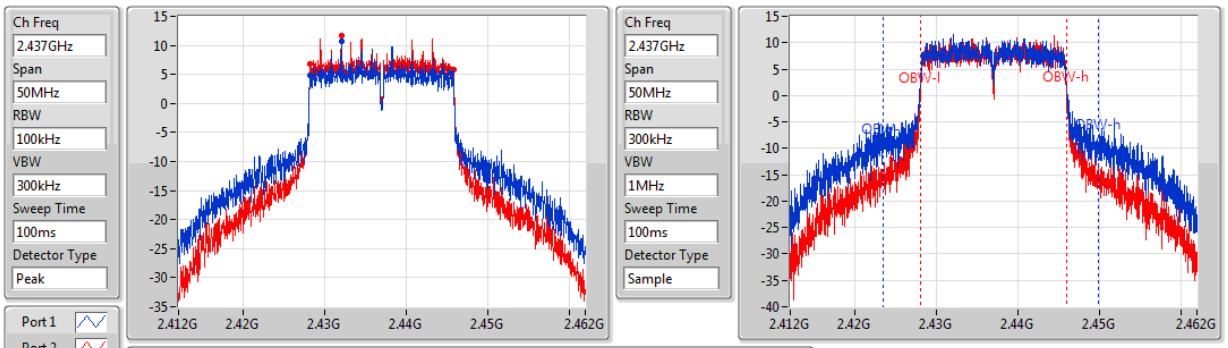


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.403225G	2.420775G	17.716M	2.403129G	2.420846G	500k	1
17.55M	2.403225G	2.420775G	17.816M	2.403079G	2.420896G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

01/09/2018

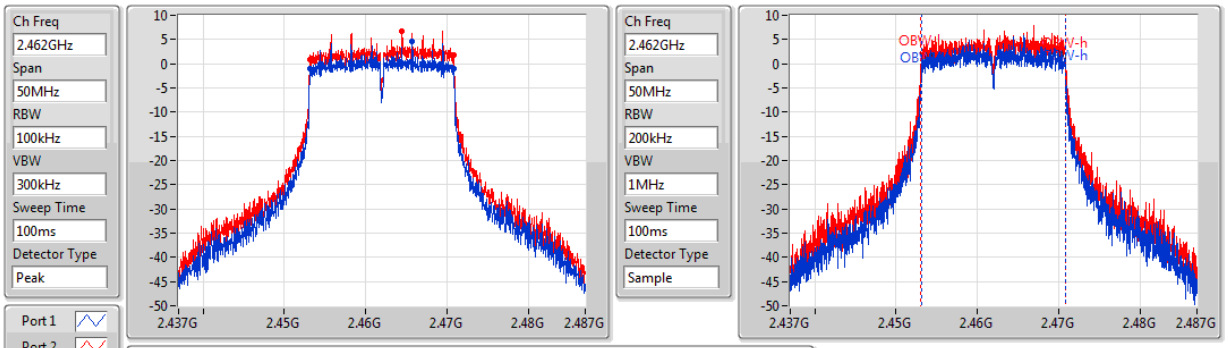


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.325M	2.4282G	2.445525G	26.362M	2.423457G	2.449819G	500k	1
17.575M	2.4282G	2.445775G	18.016M	2.427955G	2.445971G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

01/09/2018

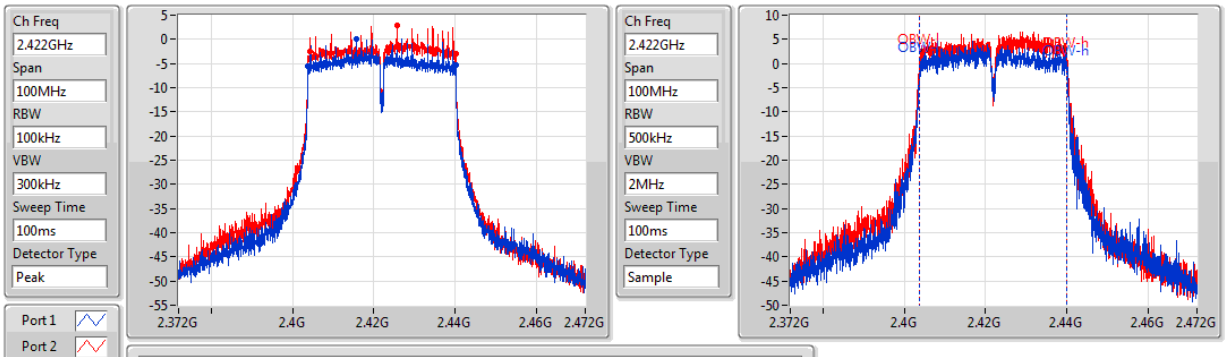


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4532G	2.470775G	17.691M	2.453129G	2.470821G	500k	1
17.575M	2.4532G	2.470775G	17.791M	2.453079G	2.470871G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

01/09/2018

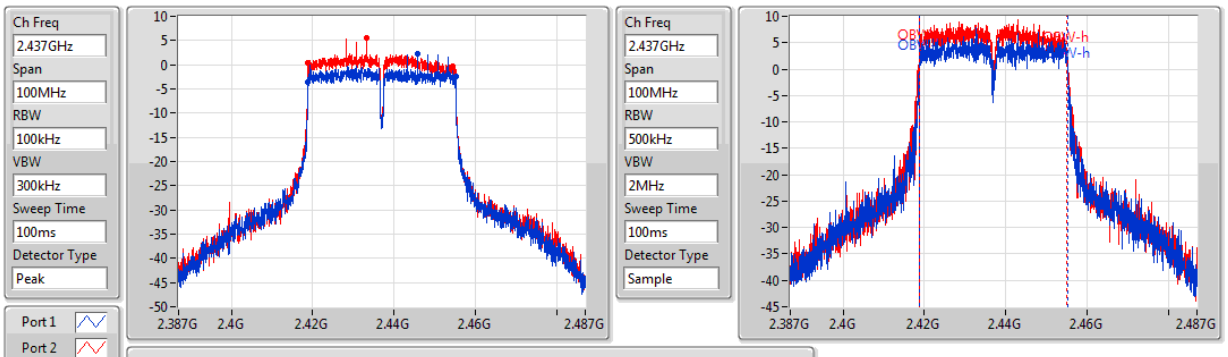


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.40385G	2.44015G	36.232M	2.403859G	2.440091G	500k	1
35.95M	2.4042G	2.44015G	36.232M	2.403859G	2.440091G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

01/09/2018

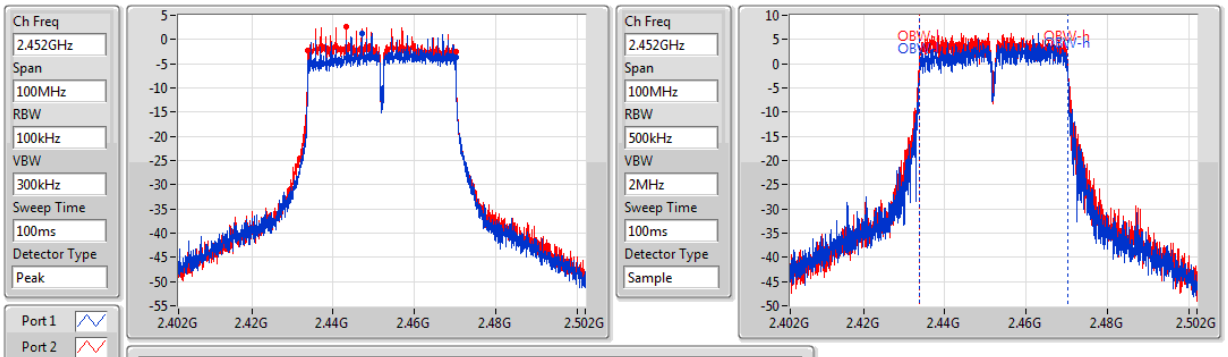


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.4188G	2.45515G	36.482M	2.418709G	2.455191G	500k	1
35.65M	2.41885G	2.4545G	36.282M	2.418759G	2.455041G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

01/09/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.95M	2.4342G	2.47015G	36.332M	2.433859G	2.470191G	500k	1
36.3M	2.43385G	2.47015G	36.382M	2.433759G	2.470141G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.89	0.48865
802.11g-BF_Nss1,(6Mbps)_2TX	26.76	0.47424
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	26.97	0.49774
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	23.85	0.24266

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.90	23.57	24.16	26.89	30.00
2437MHz	Pass	3.90	23.57	24.10	26.85	30.00
2462MHz	Pass	3.90	23.35	23.83	26.61	30.00
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	19.09	19.67	22.40	29.67
2417MHz	Pass	6.33	22.33	22.57	25.46	29.67
2422MHz	Pass	6.33	23.02	23.47	26.26	29.67
2427MHz	Pass	6.33	23.68	23.81	26.76	29.67
2437MHz	Pass	6.33	23.65	23.79	26.73	29.67
2452MHz	Pass	6.33	23.03	23.58	26.32	29.67
2457MHz	Pass	6.33	22.98	23.22	26.11	29.67
2462MHz	Pass	6.33	20.03	20.35	23.20	29.67
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	18.77	19.28	22.04	29.67
2417MHz	Pass	6.33	22.70	22.54	25.63	29.67
2422MHz	Pass	6.33	23.35	23.79	26.59	29.67
2427MHz	Pass	6.33	23.79	23.85	26.83	29.67
2437MHz	Pass	6.33	23.95	23.96	26.97	29.67
2452MHz	Pass	6.33	23.47	23.89	26.70	29.67
2457MHz	Pass	6.33	22.69	22.98	25.85	29.67
2462MHz	Pass	6.33	19.68	19.93	22.82	29.67
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.33	18.02	18.38	21.21	29.67
2427MHz	Pass	6.33	18.74	18.87	21.82	29.67
2432MHz	Pass	6.33	19.30	19.38	22.35	29.67
2437MHz	Pass	6.33	20.64	21.03	23.85	29.67
2442MHz	Pass	6.33	19.45	19.84	22.66	29.67
2447MHz	Pass	6.33	19.44	19.81	22.64	29.67
2452MHz	Pass	6.33	18.36	19.00	21.70	29.67

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.68
802.11g-BF_Nss1,(6Mbps)_2TX	-3.59
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-3.31
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-8.81

RBW=3kHz.

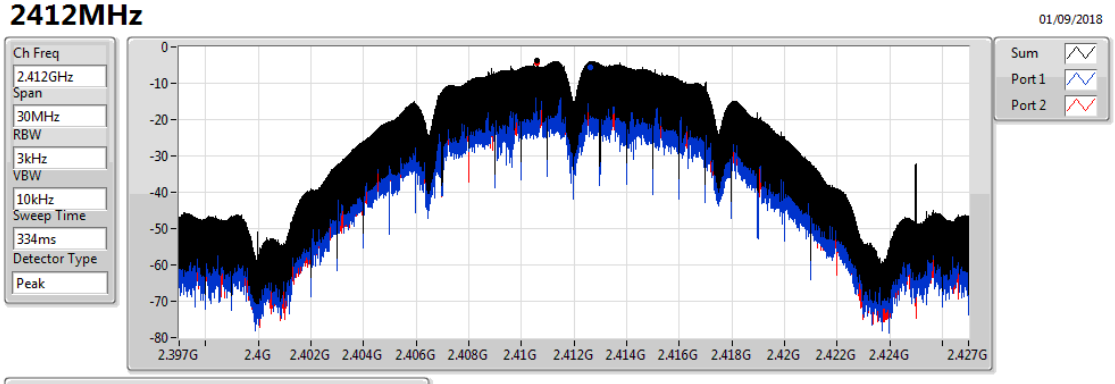
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-5.59	-4.28	-3.61	7.67
2437MHz	Pass	6.33	-6.00	-4.05	-2.68	7.67
2462MHz	Pass	6.33	-5.50	-3.08	-3.07	7.67
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-10.20	-9.62	-8.27	7.67
2437MHz	Pass	6.33	-6.90	-4.66	-3.59	7.67
2462MHz	Pass	6.33	-11.17	-8.75	-7.37	7.67
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-11.97	-10.53	-8.73	7.67
2437MHz	Pass	6.33	-7.55	-4.58	-3.31	7.67
2462MHz	Pass	6.33	-10.65	-9.63	-7.63	7.67
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.33	-14.76	-12.60	-10.97	7.67
2437MHz	Pass	6.33	-13.15	-10.31	-8.81	7.67
2452MHz	Pass	6.33	-12.69	-13.15	-10.47	7.67

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

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

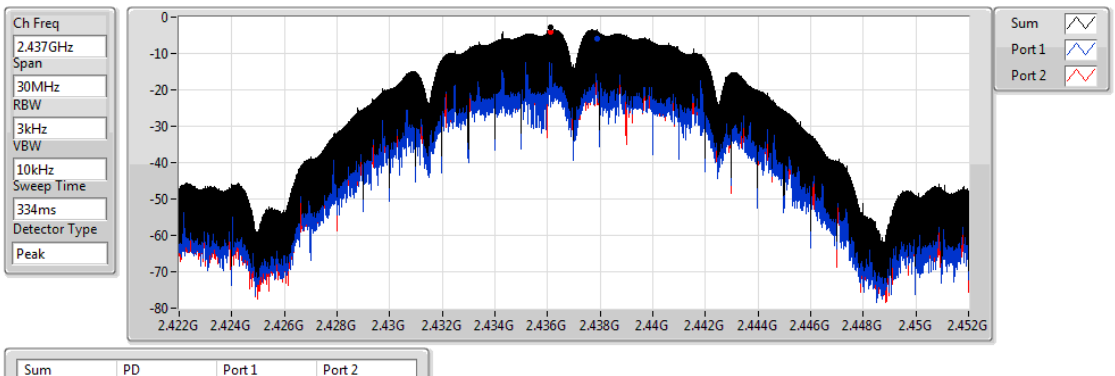
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.61	-3.61	-5.59	-4.28

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

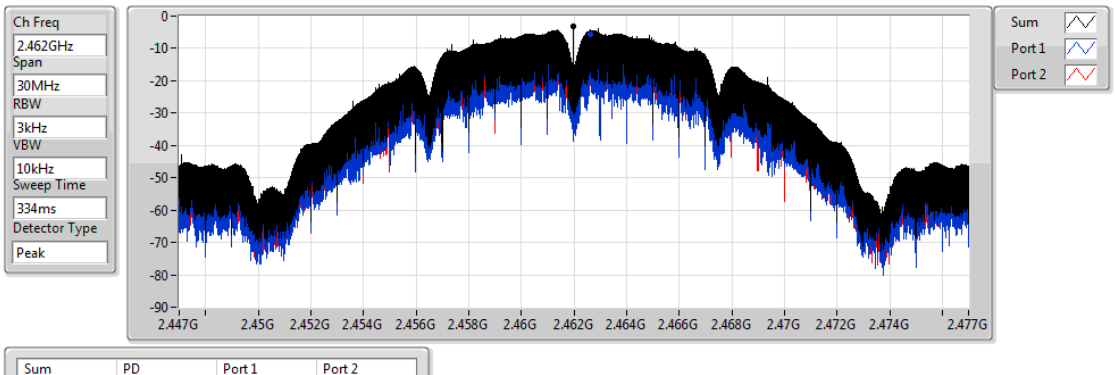
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.68	-2.68	-6.00	-4.05

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

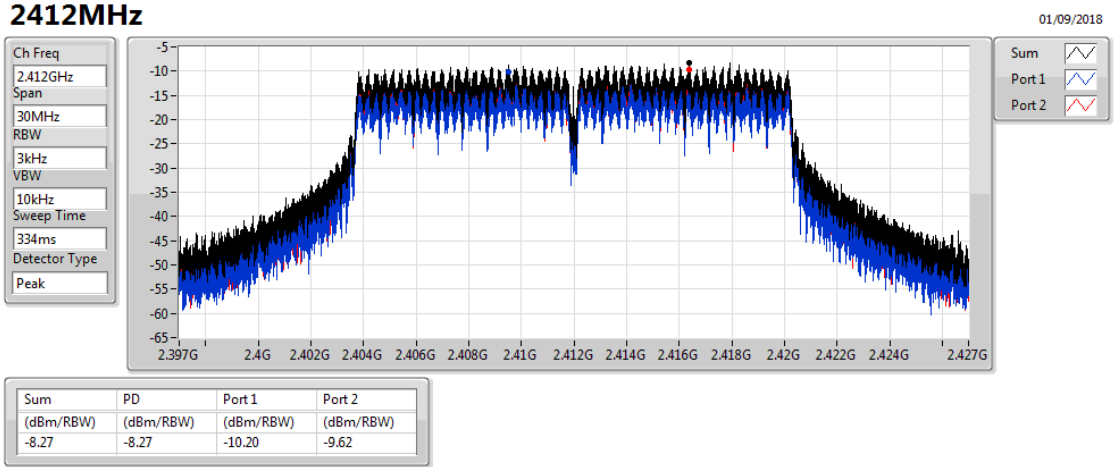
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.07	-3.07	-5.50	-3.08

802.11g-BF_Nss1,(6Mbps)_2TX **PSD**

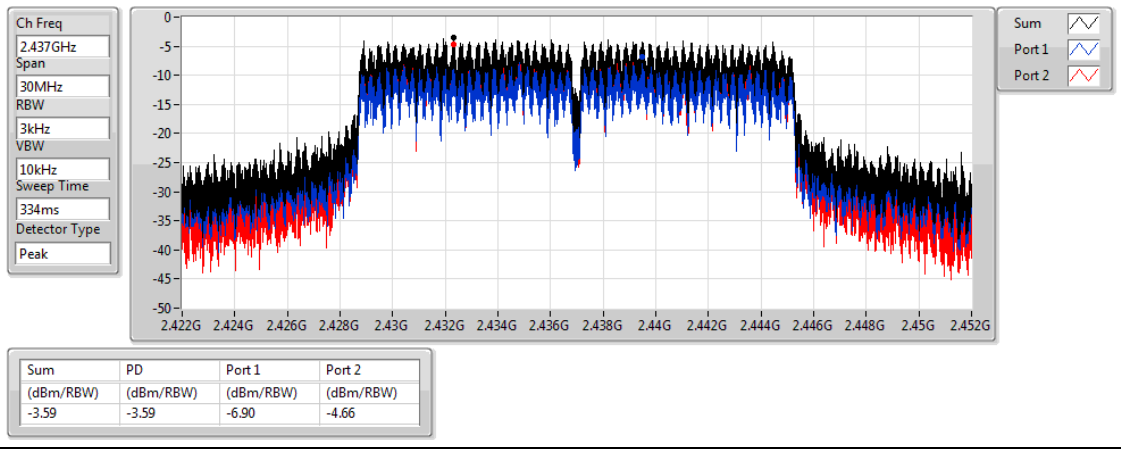
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.27	-8.27	-10.20	-9.62

802.11g-BF_Nss1,(6Mbps)_2TX **PSD**

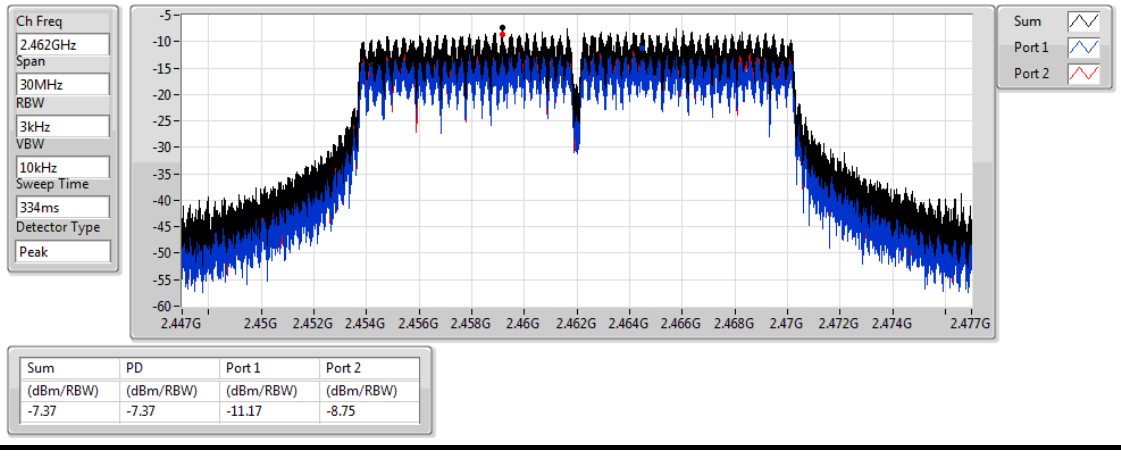
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.59	-3.59	-6.90	-4.66

802.11g-BF_Nss1,(6Mbps)_2TX **PSD**

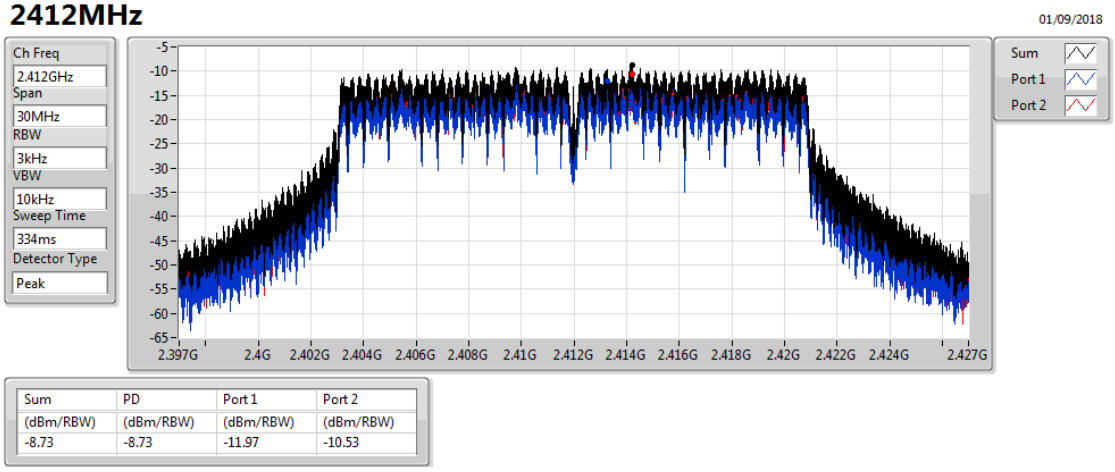
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.37	-7.37	-11.17	-8.75

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

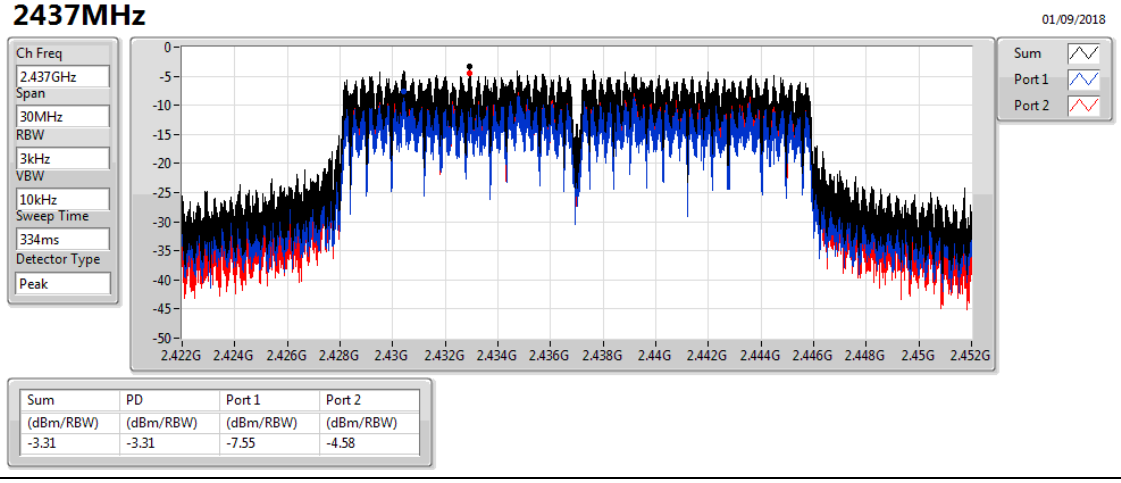
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.73	-8.73	-11.97	-10.53

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

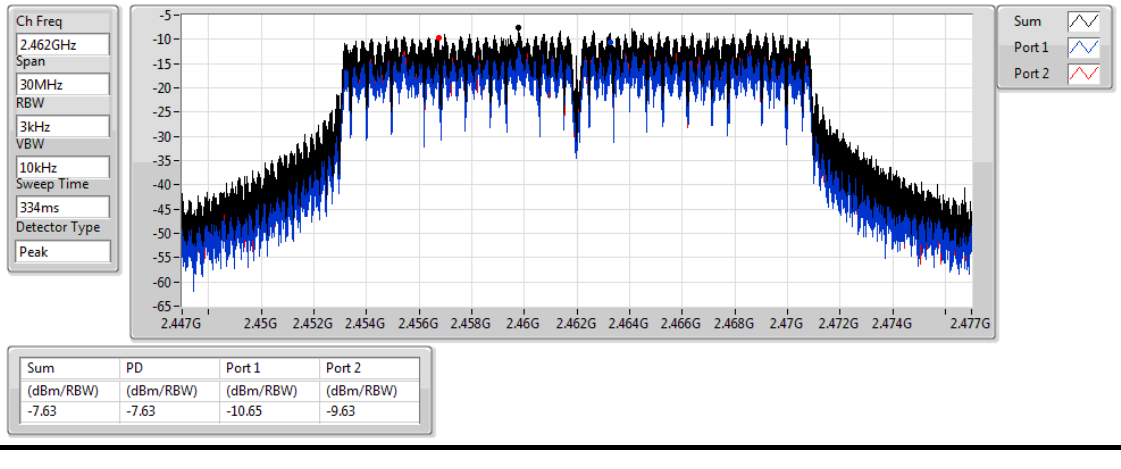
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.31	-3.31	-7.55	-4.58

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

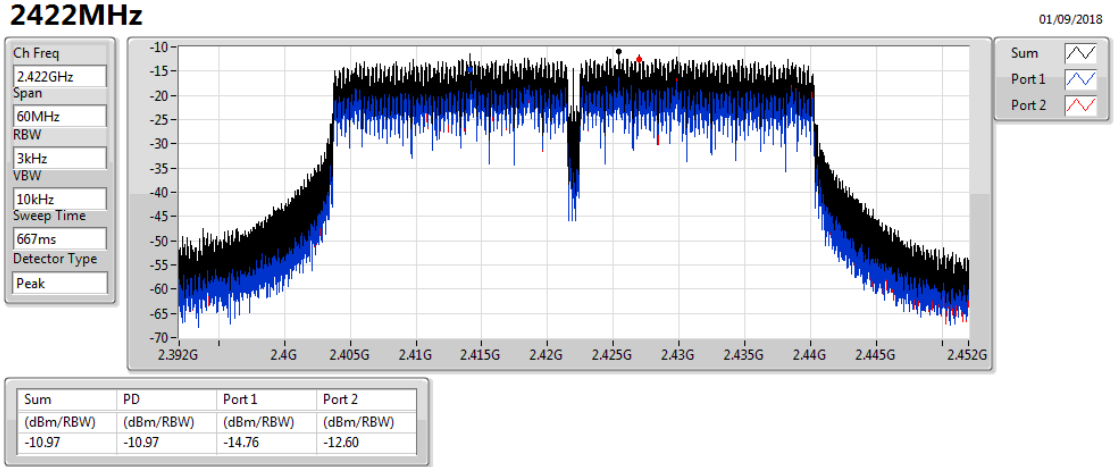
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.63	-7.63	-10.65	-9.63

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **PSD**

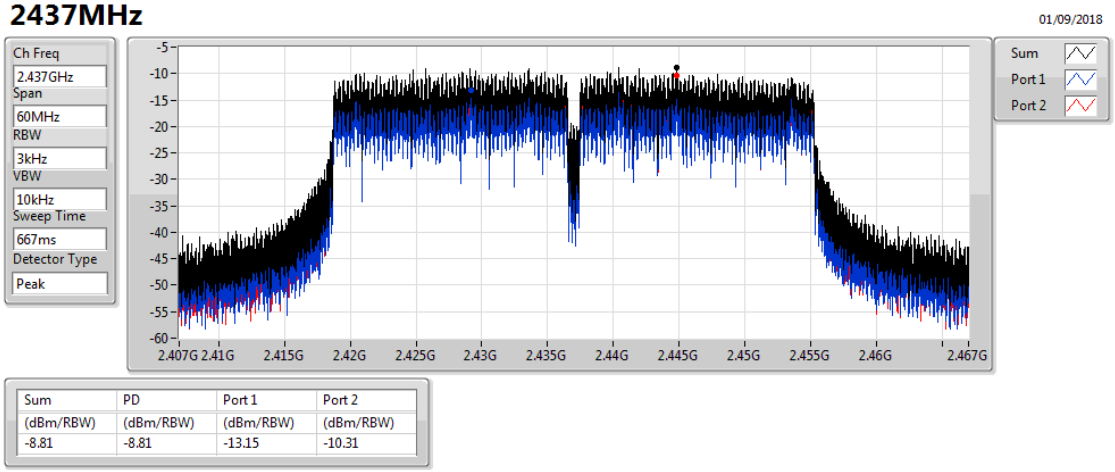
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.97	-10.97	-14.76	-12.60

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **PSD**

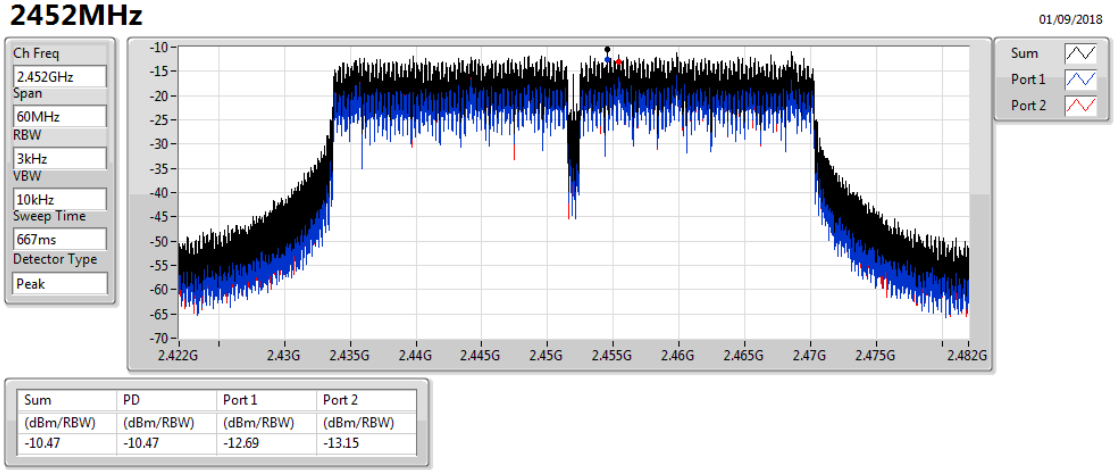
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.81	-8.81	-13.15	-10.31

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.47	-10.47	-12.69	-13.15

Summary

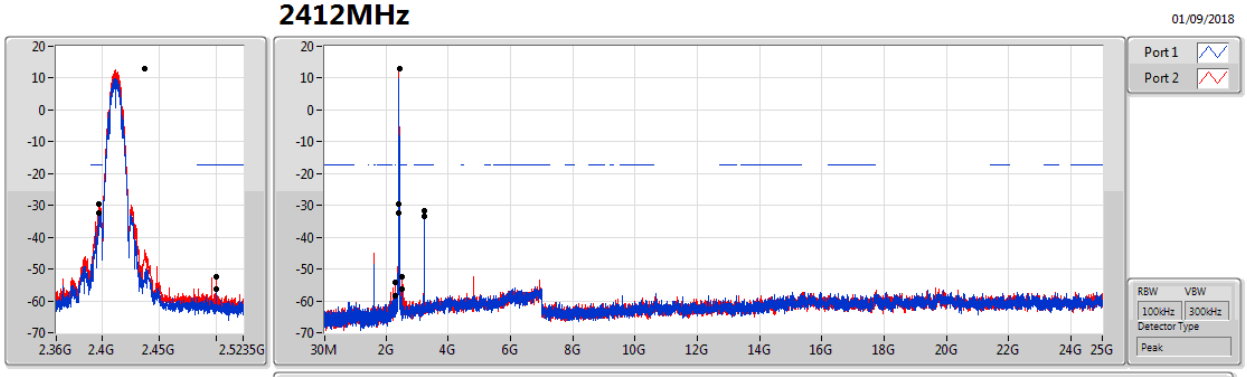
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.437408G	12.87	-17.13	1.641195G	-42.35	2.39992G	-54.84	2.4875G	-45.04	3.282082G	-28.84	2
802.11g-BF_Nss1,(6Mbps)_2TX	Pass	2.431897G	11.90	-18.10	2.30408G	-50.69	2.39992G	-24.67	2.49598G	-49.48	3.214652G	-28.79	2
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.438243G	11.25	-18.75	1.641195G	-53.70	2.39992G	-52.27	2.48358G	-35.36	3.282082G	-26.26	2
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.442084G	5.01	-24.99	2.305115G	-51.02	2.39744G	-47.31	2.48446G	-36.33	3.267445G	-26.55	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.437408G	12.87	-17.13	2.30408G	-58.57	2.39752G	-32.22	2.49998G	-56.27	3.214652G	-33.34	1
2412MHz	Pass	2.437408G	12.87	-17.13	2.30408G	-54.34	2.39752G	-29.52	2.49998G	-52.28	3.214652G	-31.51	2
2437MHz	Pass	2.437408G	12.87	-17.13	1.624885G	-48.32	2.39952G	-54.48	2.49998G	-56.03	3.248367G	-33.67	1
2437MHz	Pass	2.437408G	12.87	-17.13	1.624885G	-46.80	2.39912G	-53.73	2.49598G	-51.68	3.248367G	-31.96	2
2462MHz	Pass	2.437408G	12.87	-17.13	1.641195G	-48.50	2.39024G	-59.53	2.48846G	-48.92	3.282082G	-35.51	1
2462MHz	Pass	2.437408G	12.87	-17.13	1.641195G	-42.35	2.39992G	-54.84	2.4875G	-45.04	3.282082G	-28.84	2
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.431897G	11.90	-18.10	2.30408G	-58.14	2.39968G	-28.03	2.49998G	-51.99	3.214652G	-29.97	1
2412MHz	Pass	2.431897G	11.90	-18.10	2.30408G	-50.69	2.39992G	-24.67	2.49598G	-49.48	3.214652G	-28.79	2
2437MHz	Pass	2.431897G	11.90	-18.10	1.62838G	-57.22	2.39984G	-41.05	2.48566G	-47.91	3.248367G	-33.91	1
2437MHz	Pass	2.431897G	11.90	-18.10	2.30408G	-53.28	2.3964G	-41.63	2.49598G	-49.56	3.248367G	-30.80	2
2462MHz	Pass	2.431897G	11.90	-18.10	1.641195G	-58.66	2.39856G	-56.97	2.48358G	-38.89	3.282082G	-31.00	1
2462MHz	Pass	2.431897G	11.90	-18.10	2.30408G	-51.69	2.39992G	-52.99	2.48462G	-37.40	3.282082G	-26.32	2
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	11.25	-18.75	2.309905G	-58.61	2.39992G	-28.95	2.49998G	-54.21	3.214652G	-29.98	1
2412MHz	Pass	2.438243G	11.25	-18.75	2.30408G	-52.15	2.39992G	-27.30	2.49598G	-49.97	3.214652G	-28.90	2
2437MHz	Pass	2.438243G	11.25	-18.75	1.624885G	-59.26	2.39824G	-38.32	2.48414G	-47.94	3.248367G	-33.21	1
2437MHz	Pass	2.438243G	11.25	-18.75	2.30408G	-53.98	2.39984G	-42.10	2.49598G	-49.57	3.248367G	-30.70	2
2462MHz	Pass	2.438243G	11.25	-18.75	1.641195G	-59.12	2.39872G	-57.92	2.48382G	-38.42	3.282082G	-31.01	1
2462MHz	Pass	2.438243G	11.25	-18.75	1.641195G	-53.70	2.39992G	-52.27	2.48358G	-35.36	3.282082G	-26.26	2
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442084G	5.01	-24.99	2.30855G	-58.34	2.39872G	-33.69	2.49998G	-53.03	3.228181G	-29.41	1
2422MHz	Pass	2.442084G	5.01	-24.99	2.305115G	-52.75	2.39952G	-30.66	2.49998G	-49.96	3.228181G	-28.88	2
2437MHz	Pass	2.442084G	5.01	-24.99	1.624985G	-59.30	2.39984G	-33.47	2.48414G	-41.26	3.247813G	-30.61	1
2437MHz	Pass	2.442084G	5.01	-24.99	2.305115G	-52.44	2.3984G	-33.18	2.48382G	-39.38	3.247813G	-29.47	2
2452MHz	Pass	2.442084G	5.01	-24.99	1.64445G	-59.23	2.39888G	-47.50	2.48446G	-37.97	3.267445G	-30.52	1
2452MHz	Pass	2.442084G	5.01	-24.99	2.305115G	-51.02	2.39744G	-47.31	2.48446G	-36.33	3.267445G	-26.55	2

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

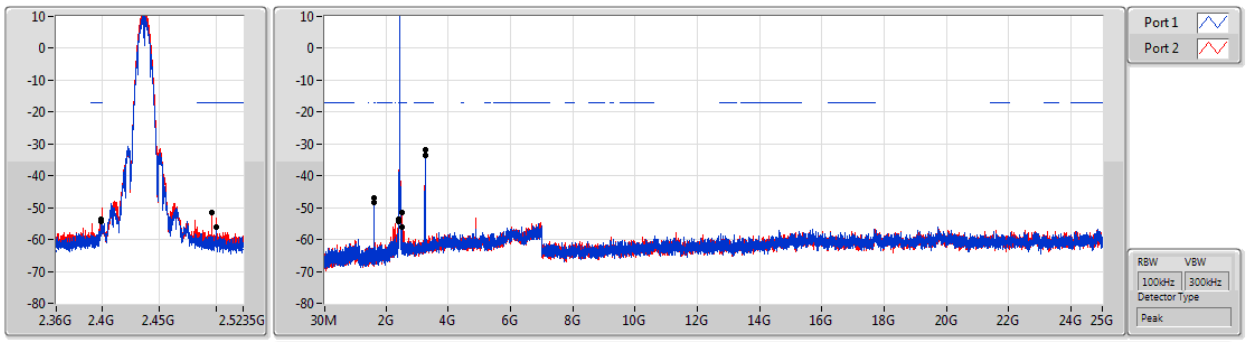
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	12.87	-17.13	2.30408G	-58.57	2.39752G	-32.22	2.49998G	-56.27	3.214652G	-33.34	1
2.437408G	12.87	-17.13	2.30408G	-54.34	2.39752G	-29.52	2.49998G	-52.28	3.214652G	-31.51	2

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

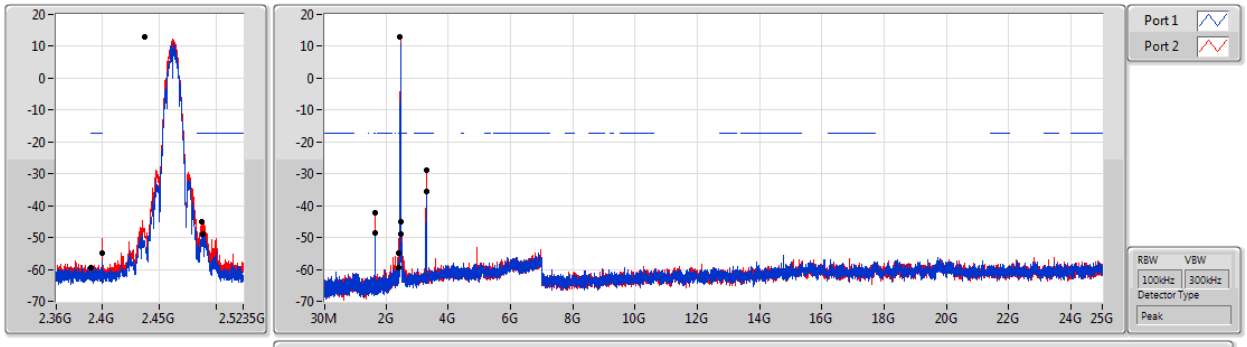
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	12.87	-17.13	1.624885G	-48.32	2.39952G	-54.48	2.49998G	-56.03	3.248367G	-33.67	1
2.437408G	12.87	-17.13	1.624885G	-46.80	2.39912G	-53.73	2.49598G	-51.68	3.248367G	-31.96	2

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

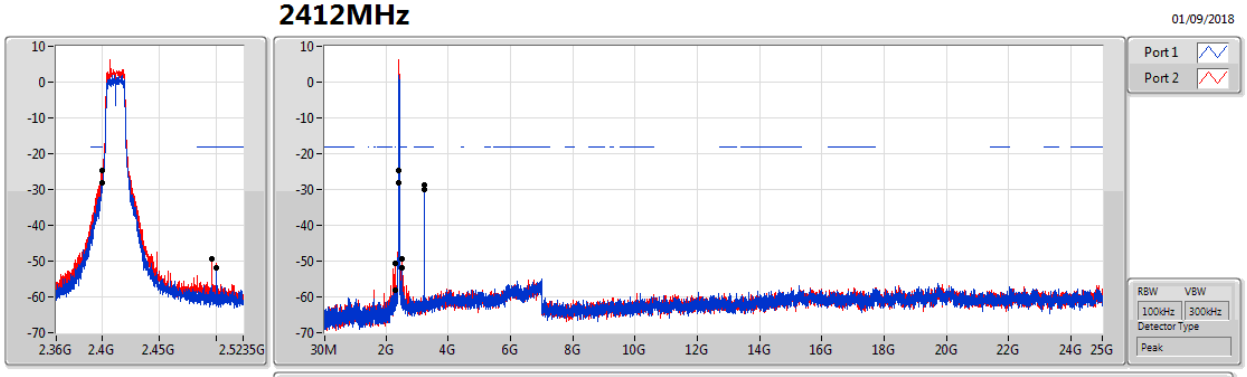
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	12.87	-17.13	1.641195G	-48.50	2.39024G	-59.53	2.48846G	-48.92	3.282082G	-35.51	1
2.437408G	12.87	-17.13	1.641195G	-42.35	2.39992G	-54.84	2.4875G	-45.04	3.282082G	-28.84	2

802.11g-BF_Nss1,(6Mbps)_2TX **CSE NdB**

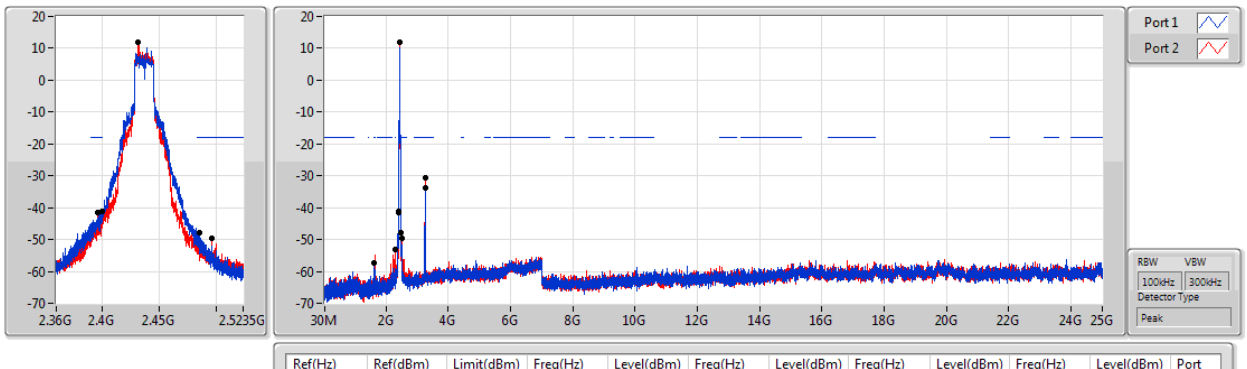
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	11.90	-18.10	2.30408G	-58.14	2.39968G	-28.03	2.49998G	-51.99	3.214652G	-29.97	1
2.431897G	11.90	-18.10	2.30408G	-50.69	2.39992G	-24.67	2.49598G	-49.48	3.214652G	-28.79	2

802.11g-BF_Nss1,(6Mbps)_2TX **CSE NdB**

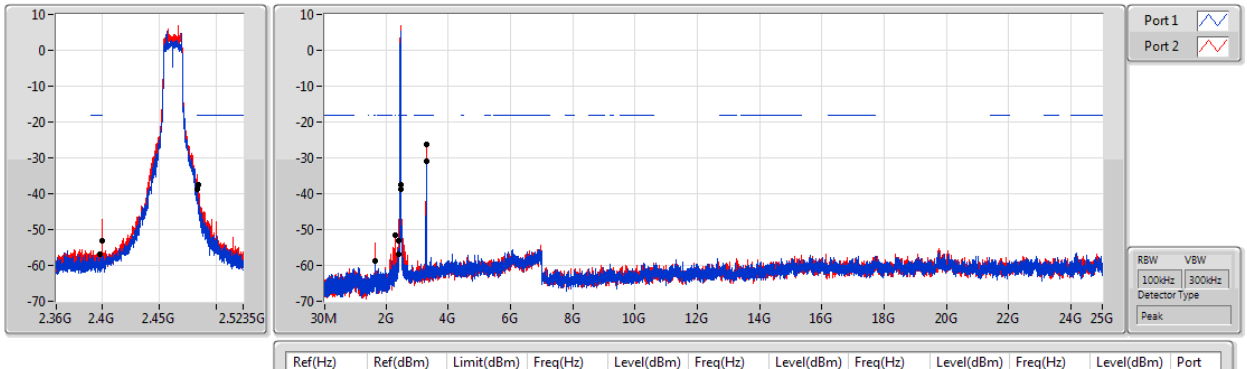
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	11.90	-18.10	1.62838G	-57.22	2.39984G	-41.05	2.48566G	-47.91	3.248367G	-33.91	1
2.431897G	11.90	-18.10	2.30408G	-53.28	2.3964G	-41.63	2.49598G	-49.56	3.248367G	-30.80	2

802.11g-BF_Nss1,(6Mbps)_2TX **CSE NdB**

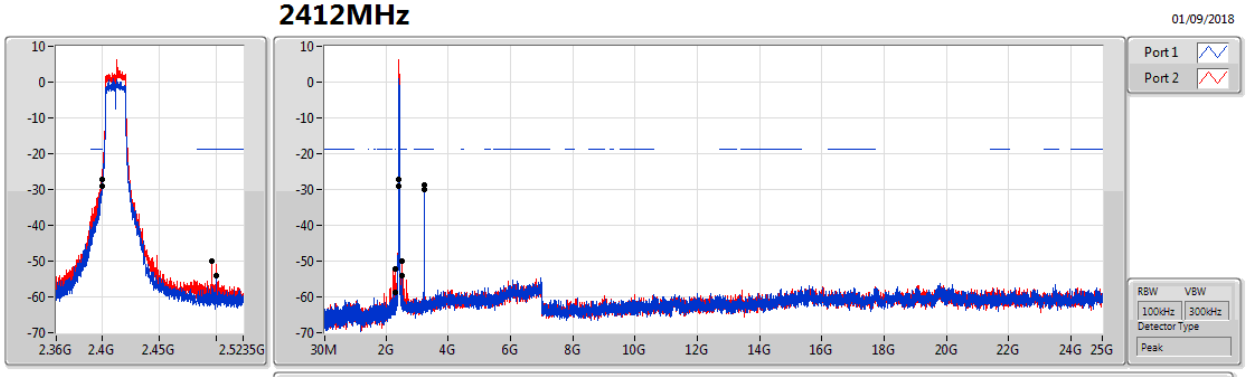
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	11.90	-18.10	1.641195G	-58.66	2.39856G	-56.97	2.48358G	-38.89	3.282082G	-31.00	1
2.431897G	11.90	-18.10	2.30408G	-51.69	2.39992G	-52.99	2.48462G	-37.40	3.282082G	-26.32	2

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

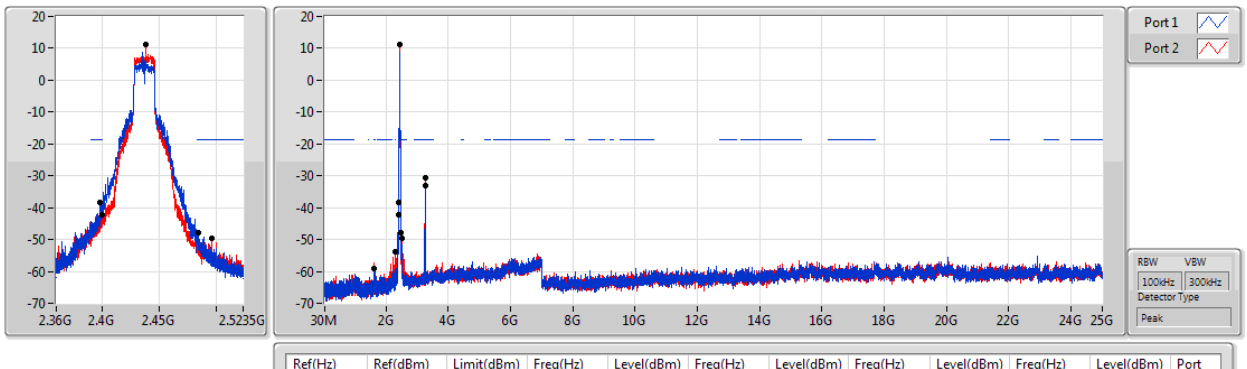
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	11.25	-18.75	2.309905G	-58.61	2.39992G	-28.95	2.49998G	-54.21	3.214652G	-29.98	1
2.438243G	11.25	-18.75	2.30408G	-52.15	2.39992G	-27.30	2.49598G	-49.97	3.214652G	-28.90	2

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

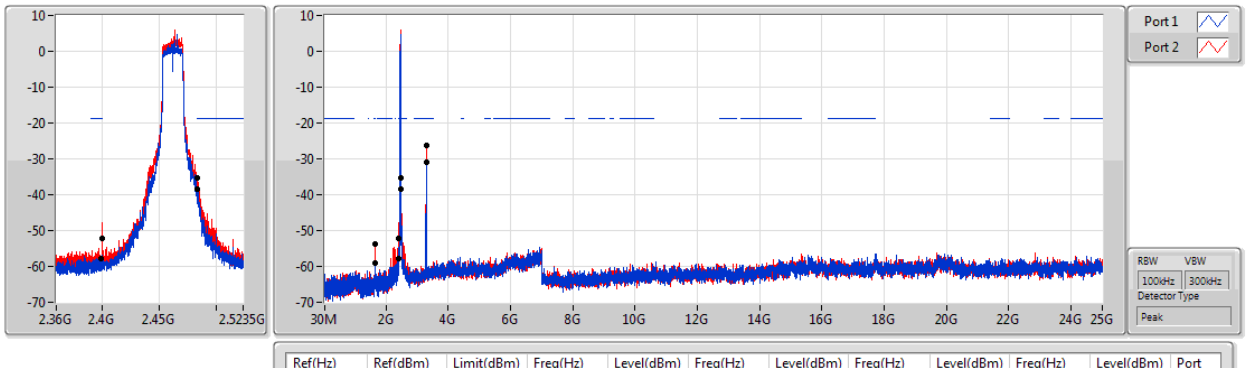
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	11.25	-18.75	1.624885G	-59.26	2.39824G	-38.32	2.48414G	-47.94	3.248367G	-33.21	1
2.438243G	11.25	-18.75	2.30408G	-53.98	2.39984G	-42.10	2.49598G	-49.57	3.248367G	-30.70	2

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

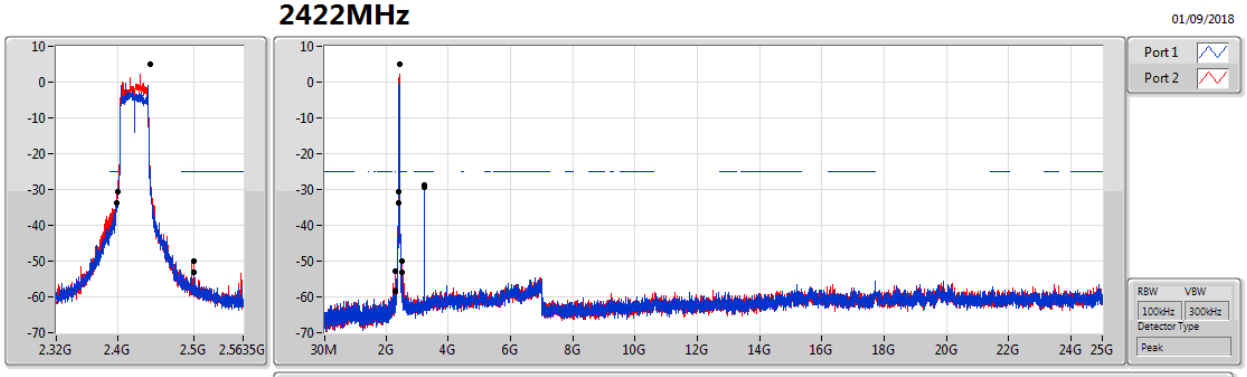
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	11.25	-18.75	1.641195G	-59.12	2.39872G	-57.92	2.48382G	-38.42	3.282082G	-31.01	1
2.438243G	11.25	-18.75	1.641195G	-53.70	2.39992G	-52.27	2.48358G	-35.36	3.282082G	-26.26	2

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

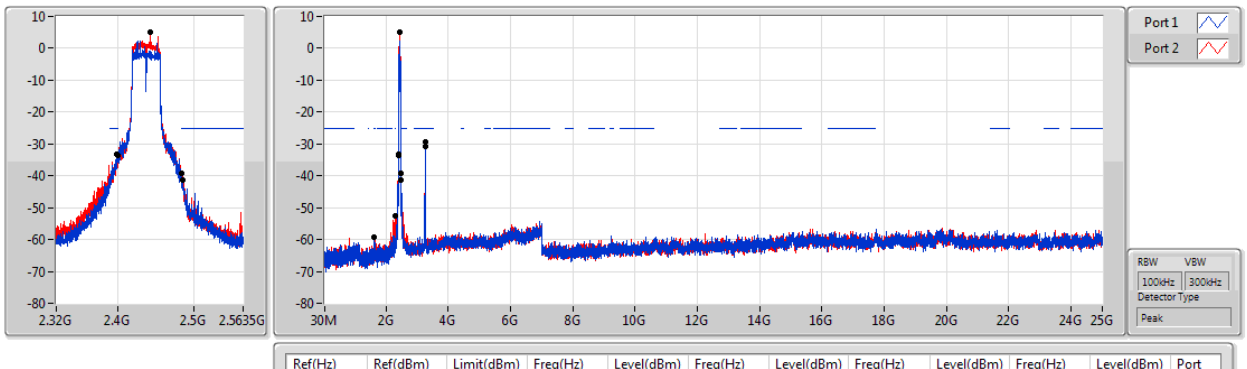
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	5.01	-24.99	2.30855G	-58.34	2.39872G	-33.69	2.49998G	-53.03	3.228181G	-29.41	1
2.442084G	5.01	-24.99	2.305115G	-52.75	2.39952G	-30.66	2.49998G	-49.96	3.228181G	-28.88	2

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

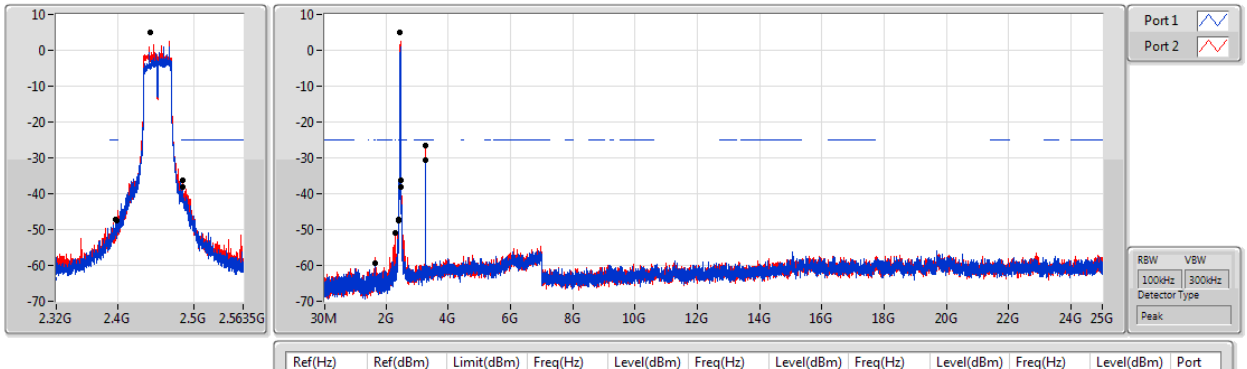
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	5.01	-24.99	1.624985G	-59.30	2.39984G	-33.47	2.48414G	-41.26	3.247813G	-30.61	1
2.442084G	5.01	-24.99	2.305115G	-52.44	2.3984G	-33.18	2.48382G	-39.38	3.247813G	-29.47	2

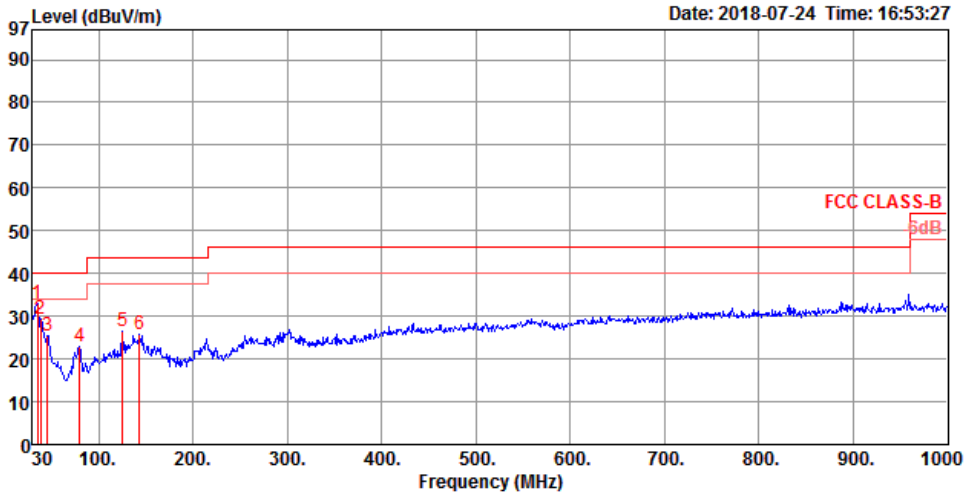
802.11ac VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	5.01	-24.99	1.64445G	-59.23	2.39888G	-47.50	2.48446G	-37.97	3.267445G	-30.52	1
2.442084G	5.01	-24.99	2.305115G	-51.02	2.39744G	-47.31	2.48446G	-36.33	3.267445G	-26.55	2

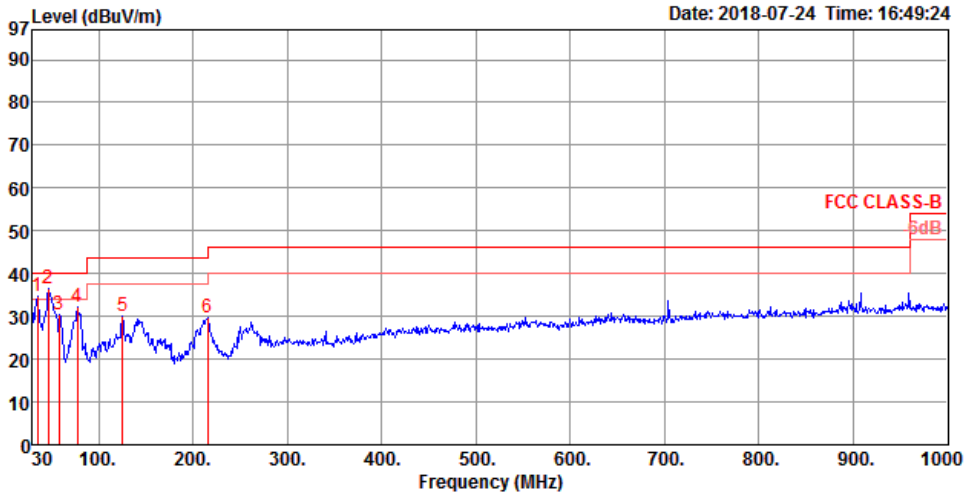
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	Normal Link		



	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	34.85	32.91	40.00	-7.09	38.20	1.01	22.24	28.54	300	0	Peak	HORIZONTAL
2	38.73	29.25	40.00	-10.75	36.46	1.12	20.21	28.54	300	0	Peak	HORIZONTAL
3	45.52	25.37	40.00	-14.63	36.40	1.39	16.12	28.54	300	0	Peak	HORIZONTAL
4	79.47	22.88	40.00	-17.12	37.46	0.92	12.98	28.48	300	0	Peak	HORIZONTAL
5	125.06	26.53	43.50	-16.97	35.84	1.15	17.88	28.34	300	0	Peak	HORIZONTAL
6	143.49	25.60	43.50	-17.90	35.77	1.14	16.95	28.26	300	0	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.)

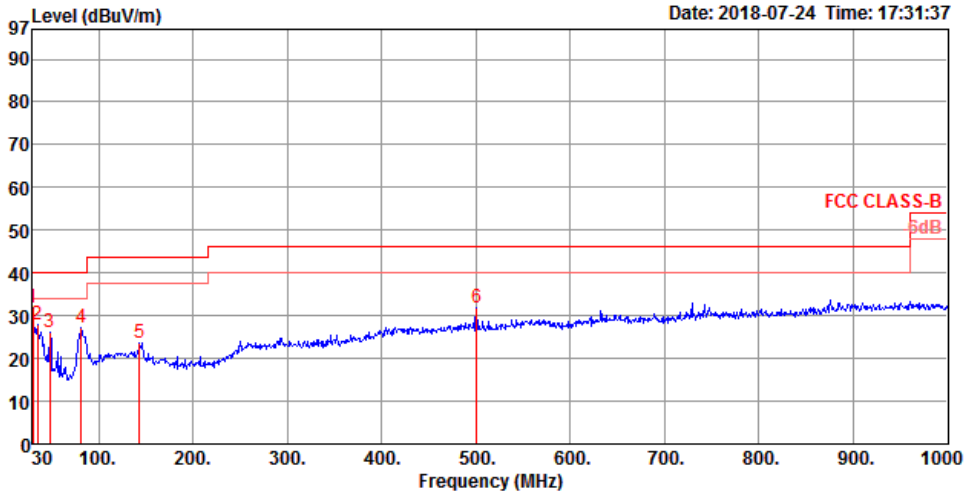
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	Normal Link		



	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	34.85	34.56	40.00	-5.44	39.85	1.01	22.24	28.54	300	360	Peak	VERTICAL
2	46.49	36.52	40.00	-3.48	47.93	1.40	15.73	28.54	300	360	Peak	VERTICAL
3	58.13	30.59	40.00	-9.41	45.52	1.27	12.32	28.52	300	360	Peak	VERTICAL
4	77.53	32.29	40.00	-7.71	47.10	0.88	12.79	28.48	300	360	Peak	VERTICAL
5	125.06	30.06	43.50	-13.44	39.37	1.15	17.88	28.34	300	360	Peak	VERTICAL
6	215.27	29.61	43.50	-13.89	40.69	2.09	14.84	28.01	300	360	Peak	VERTICAL

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

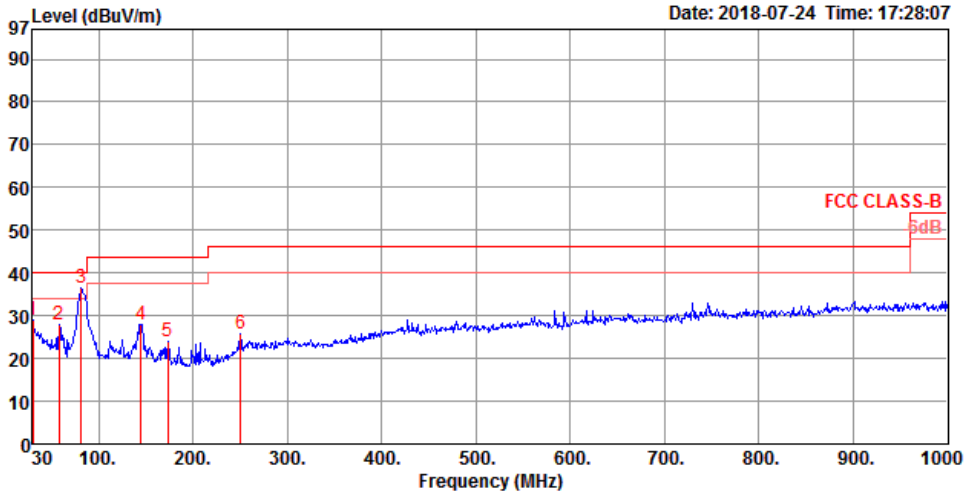
RSE below 1GHz Result			
Operating Mode	3	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	31.90	40.00	-8.10	34.57	0.97	24.91	28.55	300	360	Peak	HORIZONTAL
2	34.85	27.89	40.00	-12.11	33.18	1.01	22.24	28.54	300	360	Peak	HORIZONTAL
3	48.43	26.11	40.00	-13.89	38.29	1.42	14.94	28.54	300	360	Peak	HORIZONTAL
4	81.41	27.06	40.00	-12.94	41.40	0.88	13.26	28.48	300	360	Peak	HORIZONTAL
5	143.49	23.56	43.50	-19.94	33.73	1.14	16.95	28.26	300	360	Peak	HORIZONTAL
6	500.45	31.98	46.00	-14.02	35.13	2.94	23.18	29.27	300	360	Peak	HORIZONTAL

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

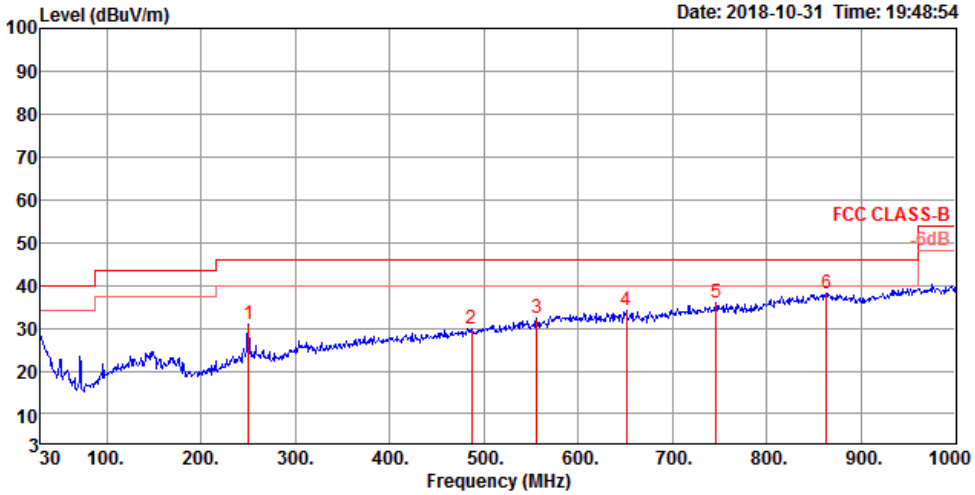
RSE below 1GHz Result			
Operating Mode	3	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	29.02	40.00	-10.98	31.69	0.97	24.91	28.55	300	360	Peak	VERTICAL
2	58.13	27.89	40.00	-12.11	42.82	1.27	12.32	28.52	300	360	Peak	VERTICAL
3	81.41	36.60	40.00	-3.40	50.94	0.88	13.26	28.48	300	360	Peak	VERTICAL
4	144.46	28.06	43.50	-15.44	38.30	1.13	16.89	28.26	300	360	Peak	VERTICAL
5	173.56	24.10	43.50	-19.40	35.57	1.35	15.32	28.14	300	360	Peak	VERTICAL
6	250.19	25.62	46.00	-20.38	33.16	2.38	18.03	27.95	300	360	Peak	VERTICAL

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

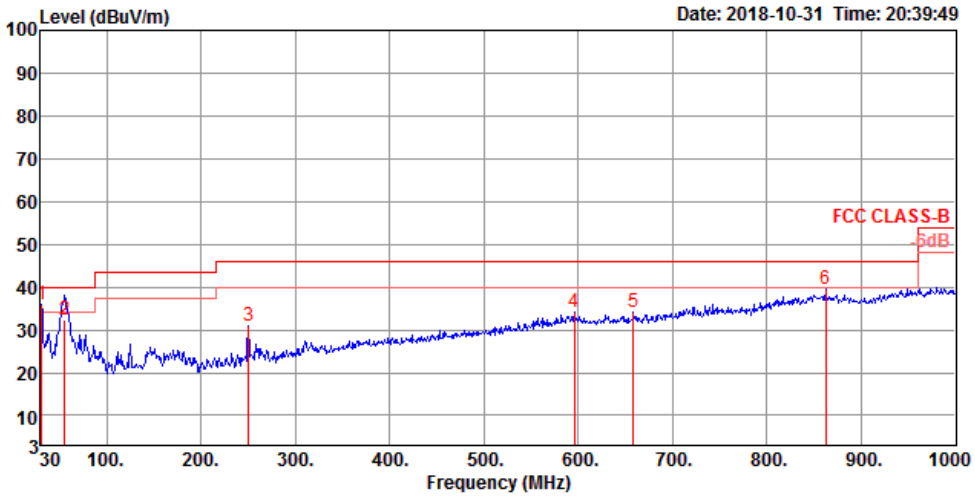
RSE below 1GHz Result			
Operating Mode	4	**Polarization**	Horizontal
Operating Function	Normal Link		



	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	250.19	31.03	46.00	-14.97	41.96	2.63	18.90	32.46	100	145	Peak	HORIZONTAL
2	486.87	29.78	46.00	-16.22	34.37	4.02	23.83	32.44	200	192	Peak	HORIZONTAL
3	555.74	32.34	46.00	-13.66	35.05	4.35	25.43	32.49	150	360	Peak	HORIZONTAL
4	650.80	34.30	46.00	-11.70	35.59	5.01	26.21	32.51	100	178	Peak	HORIZONTAL
5	745.86	36.07	46.00	-9.93	35.37	5.32	27.81	32.43	150	1	Peak	HORIZONTAL
6	863.23	38.17	46.00	-7.83	35.19	5.94	29.05	32.01	300	318	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	4	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	36.02	40.00	-3.98	42.63	0.67	25.32	32.60	100	14	Peak	VERTICAL
2	55.22	32.51	40.00	-7.49	50.00	1.09	14.00	32.58	127	339	QP	VERTICAL
3	250.19	30.88	46.00	-15.12	41.81	2.63	18.90	32.46	100	243	Peak	VERTICAL
4	595.51	33.97	46.00	-12.03	36.19	4.64	25.67	32.53	300	155	Peak	VERTICAL
5	658.56	34.21	46.00	-11.79	35.37	5.05	26.30	32.51	150	69	Peak	VERTICAL
6	862.26	39.67	46.00	-6.33	36.69	5.94	29.05	32.01	125	31	Peak	VERTICAL

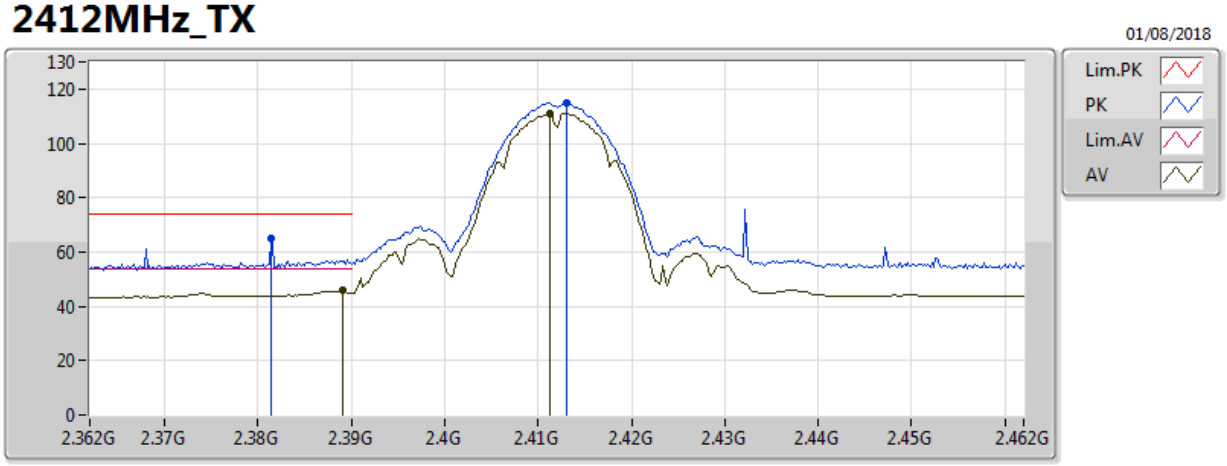
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11g-BF_Nss1,(6Mbps)_2TX	Pass	PK	2.483502G	73.46	74.00	-0.54	31.17	3	Horizontal	79	1.11	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

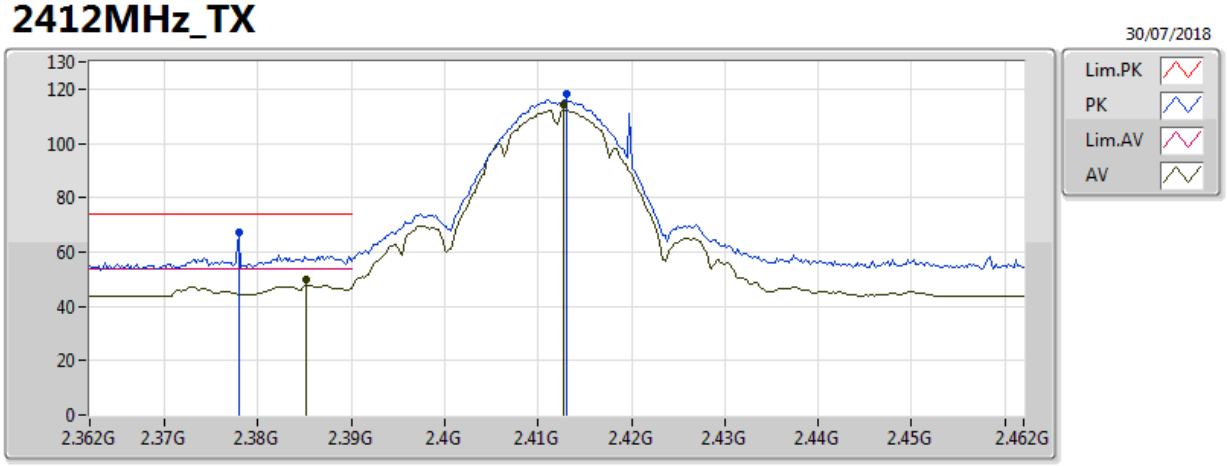


EUT Z_2TX
Setting 24
01-K-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3814G	64.76	74.00	-9.24	30.99	3	Vertical	191	1.10	-
AV	2.389G	45.72	54.00	-8.28	30.97	3	Vertical	191	1.10	-
PK	2.413G	114.95	Inf	-Inf	30.97	3	Vertical	191	1.10	-
AV	2.4112G	111.16	Inf	-Inf	30.96	3	Vertical	191	1.10	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

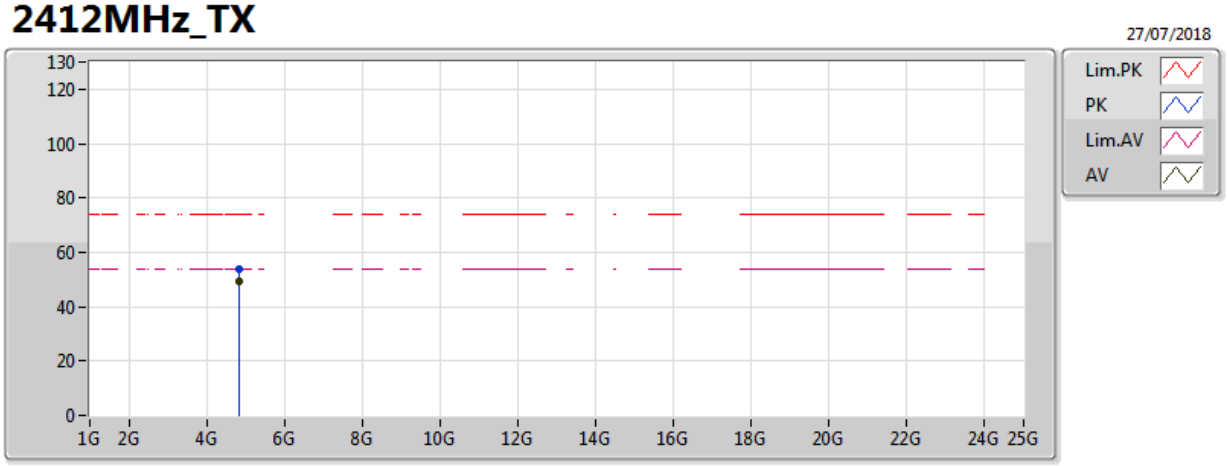


EUT Z_2TX
Setting 24
01-C-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.378G	67.09	74.00	-6.91	31.00	3	Horizontal	325	1.18	-
AV	2.3852G	50.04	54.00	-3.96	30.97	3	Horizontal	325	1.18	-
PK	2.413G	118.31	Inf	-Inf	30.97	3	Horizontal	325	1.18	-
AV	2.4128G	114.28	Inf	-Inf	30.97	3	Horizontal	325	1.18	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

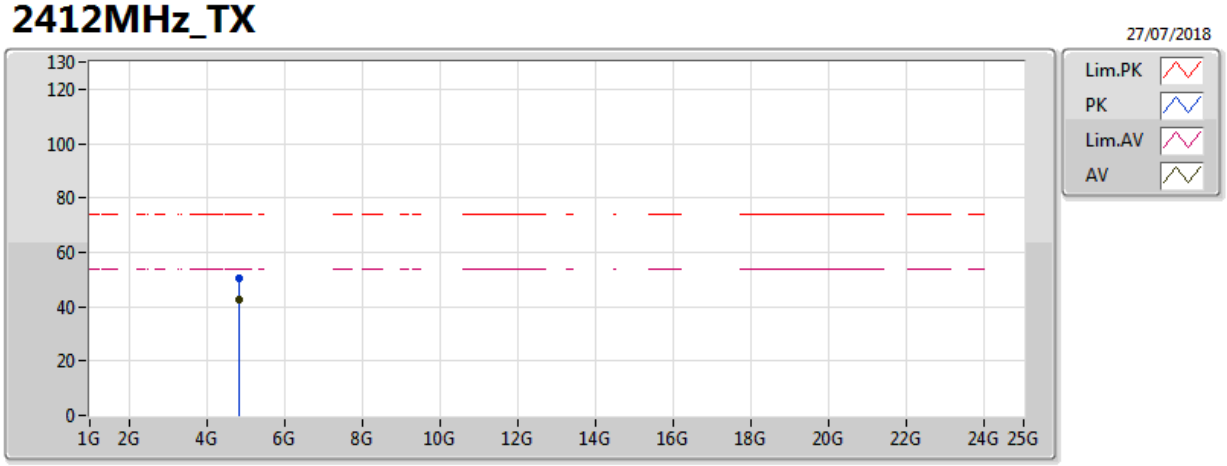


EUT Z_2TX
Setting 24
04-C-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82388G	53.58	74.00	-20.42	6.87	3	Vertical	6	1.01	-
AV	4.82394G	49.14	54.00	-4.86	6.87	3	Vertical	6	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

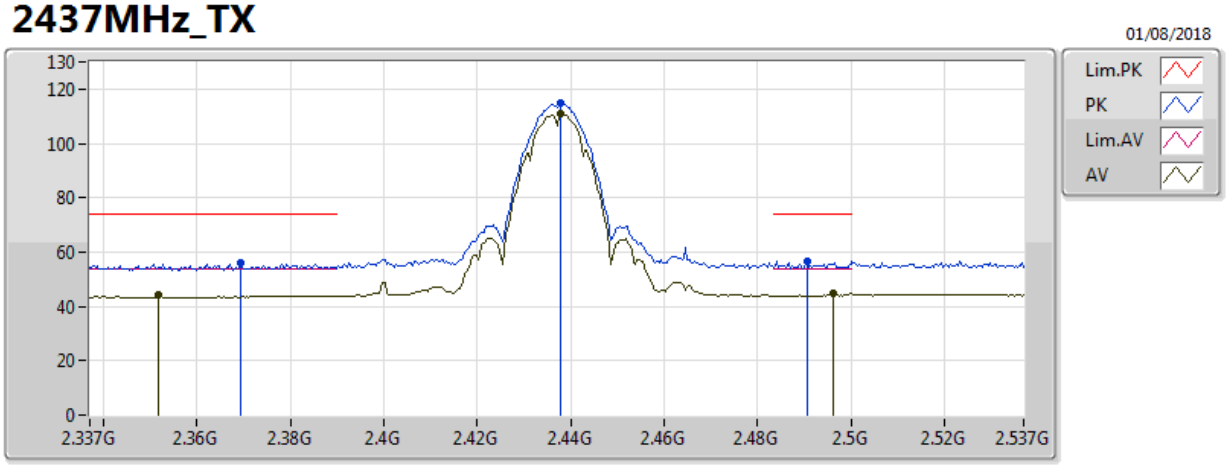


EUT Z_2TX
Setting 24
04-C-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82394G	50.29	74.00	-23.71	6.87	3	Horizontal	19	1.49	-
AV	4.824G	42.31	54.00	-11.69	6.87	3	Horizontal	19	1.49	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

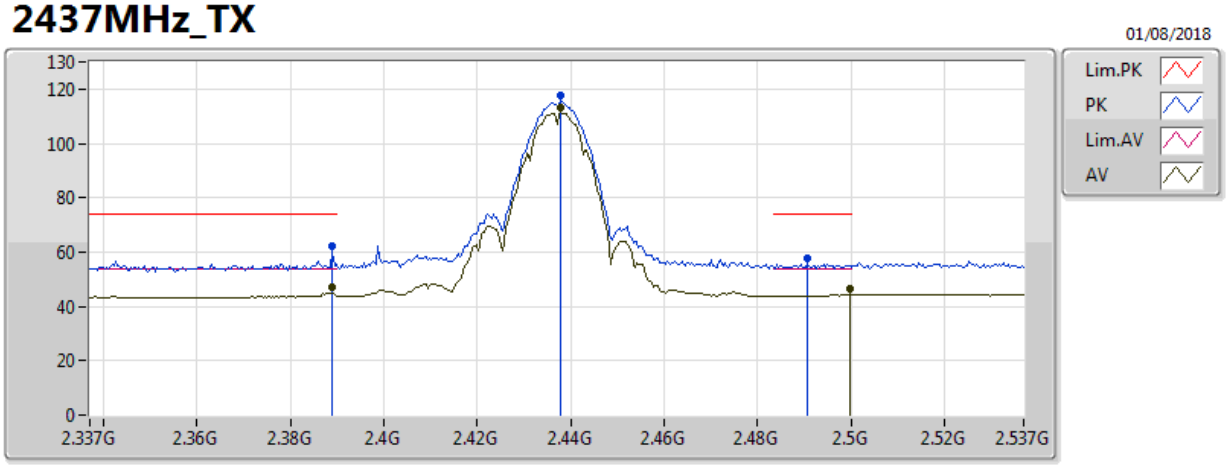


EUT Z_2TX
Setting 24
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3694G	55.77	74.00	-18.23	31.03	3	Vertical	352	1.09	-
AV	2.3518G	44.17	54.00	-9.83	31.07	3	Vertical	352	1.09	-
PK	2.4378G	114.83	Inf	-Inf	31.04	3	Vertical	352	1.09	-
AV	2.4378G	110.73	Inf	-Inf	31.04	3	Vertical	352	1.09	-
PK	2.4906G	56.73	74.00	-17.27	31.19	3	Vertical	352	1.09	-
AV	2.4962G	44.95	54.00	-9.05	31.21	3	Vertical	352	1.09	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

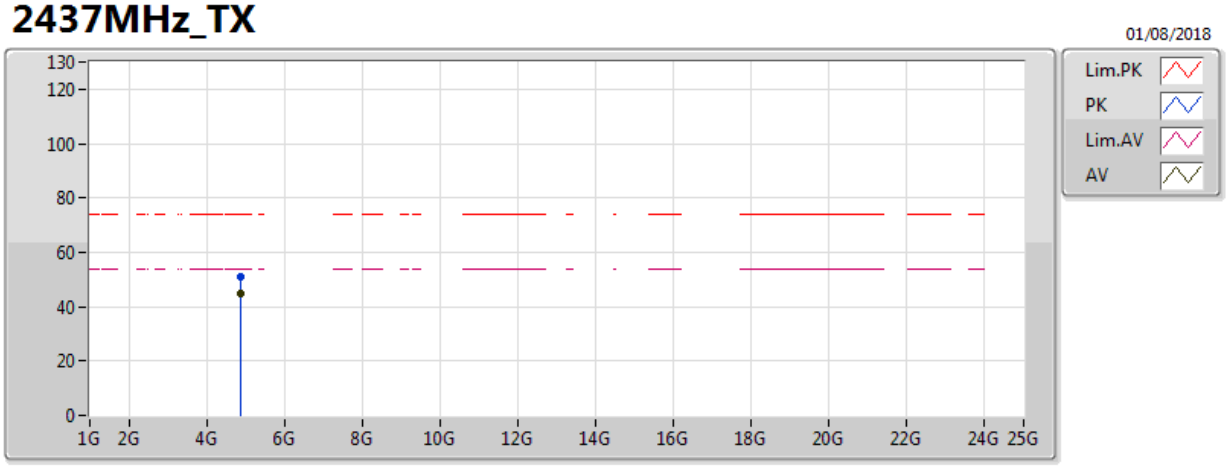


EUT Z_2TX
Setting 24
01-C-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	62.03	74.00	-11.97	30.96	3	Horizontal	322	1.42	-
AV	2.389G	47.03	54.00	-6.97	30.96	3	Horizontal	322	1.42	-
PK	2.4378G	117.43	Inf	-Inf	31.04	3	Horizontal	322	1.42	-
AV	2.4378G	113.38	Inf	-Inf	31.04	3	Horizontal	322	1.42	-
PK	2.4906G	57.78	74.00	-16.22	31.19	3	Horizontal	322	1.42	-
AV	2.4998G	46.34	54.00	-7.66	31.22	3	Horizontal	322	1.42	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

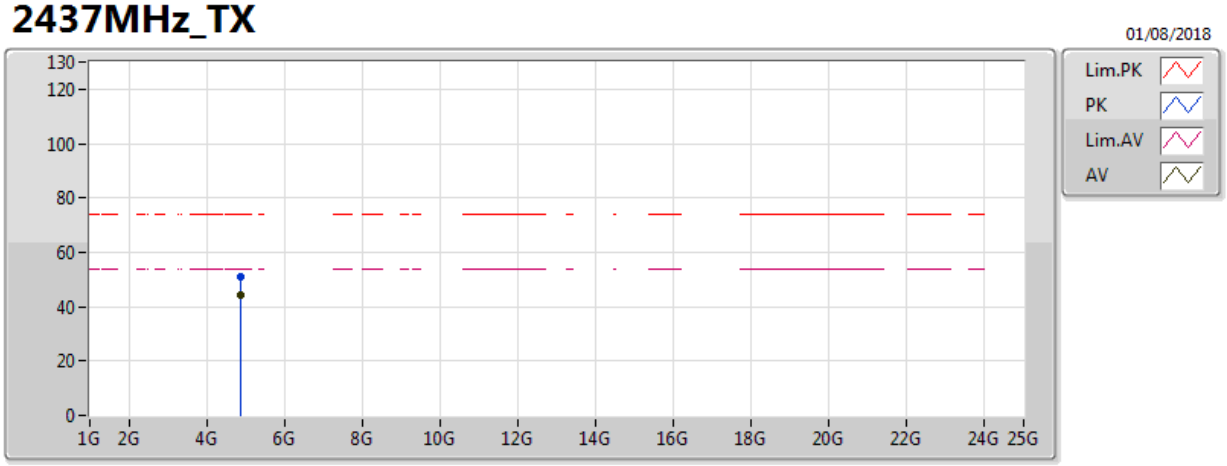


EUT Z_2TX
Setting 24
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87382G	50.89	74.00	-23.11	4.20	3	Vertical	48	1.06	-
AV	4.874G	45.02	54.00	-8.98	4.20	3	Vertical	48	1.06	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

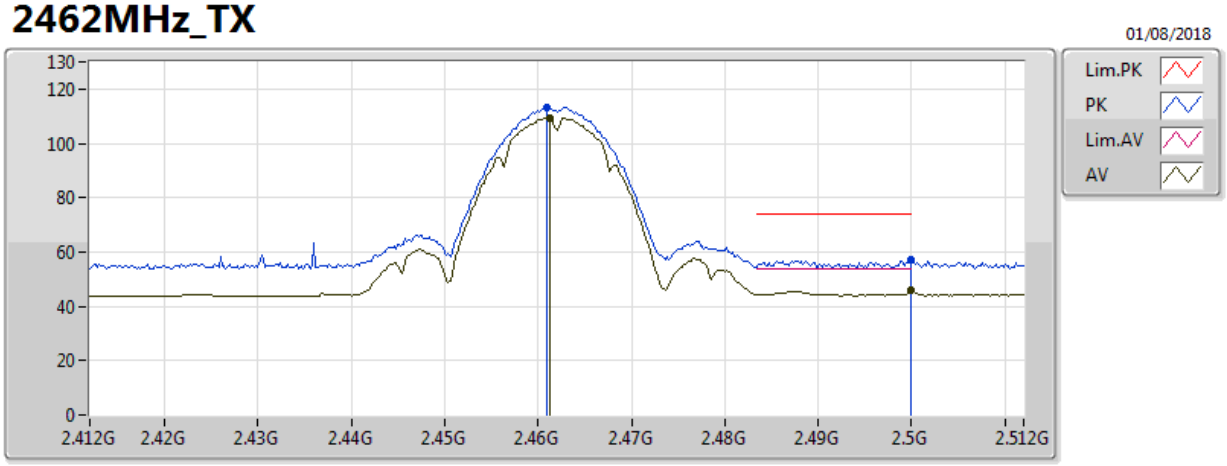


EUT Z_2TX
Setting 24
04-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87394G	51.12	74.00	-22.88	4.20	3	Horizontal	164	1.11	-
AV	4.874G	44.29	54.00	-9.71	4.20	3	Horizontal	164	1.11	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

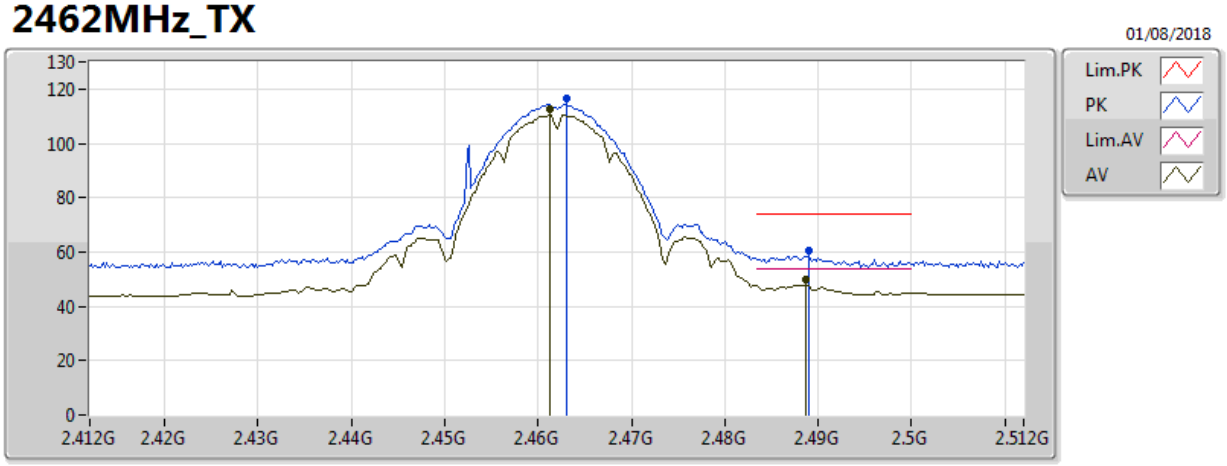


EUT Z_2TX
Setting 24
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	113.28	Inf	-Inf	31.11	3	Vertical	188	1.50	-
AV	2.4612G	109.47	Inf	-Inf	31.11	3	Vertical	188	1.50	-
PK	2.499998G	57.11	74.00	-16.89	31.22	3	Vertical	188	1.50	-
AV	2.499998G	45.84	54.00	-8.16	31.22	3	Vertical	188	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

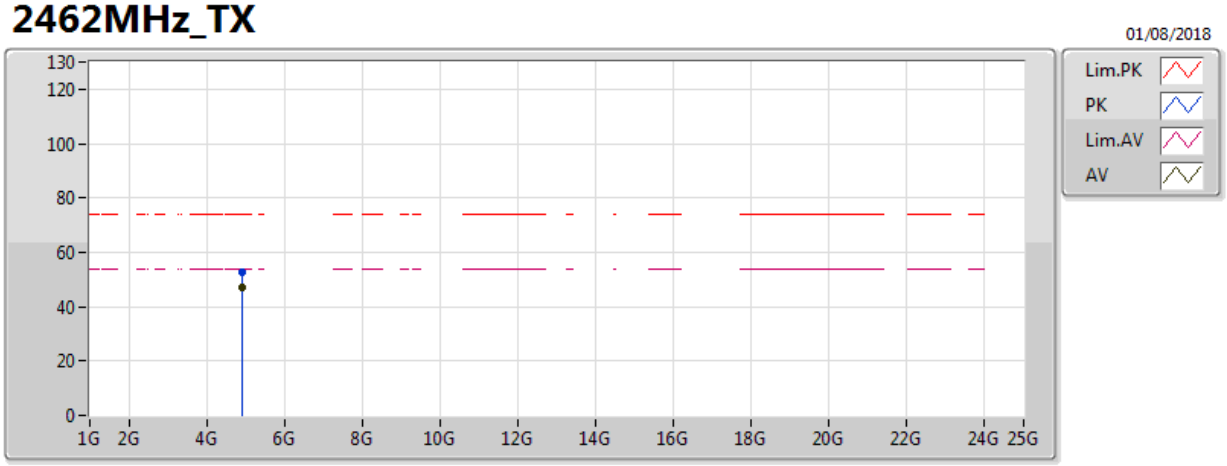


EUT Z_2TX
Setting 24
01-C-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	116.44	Inf	-Inf	31.11	3	Horizontal	78	1.17	-
AV	2.4612G	112.53	Inf	-Inf	31.11	3	Horizontal	78	1.17	-
PK	2.489G	60.62	74.00	-13.38	31.19	3	Horizontal	78	1.17	-
AV	2.4886G	49.86	54.00	-4.14	31.19	3	Horizontal	78	1.17	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

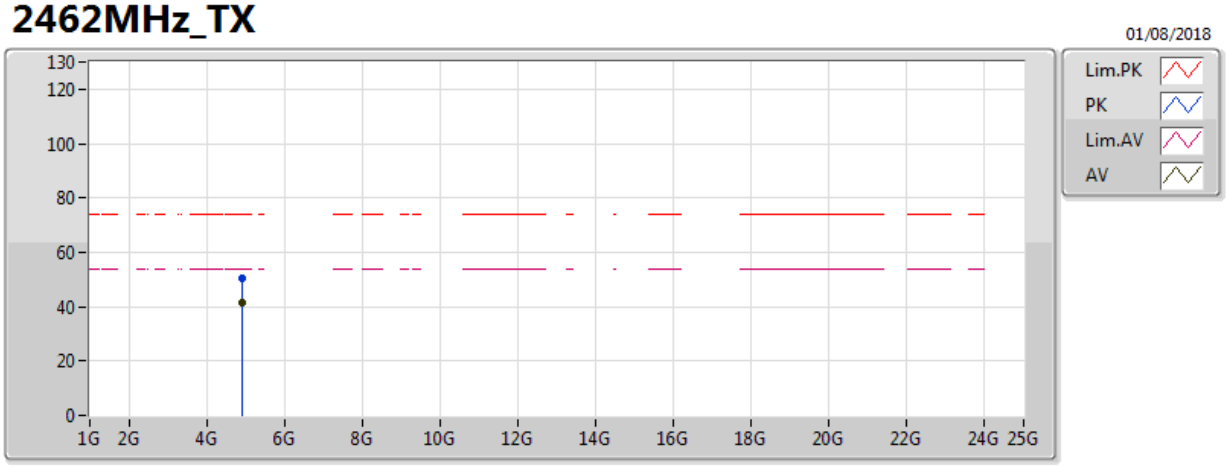


EUT Z_2TX
Setting 24
04-C-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92402G	52.52	74.00	-21.48	7.11	3	Vertical	15	1.02	-
AV	4.924G	47.21	54.00	-6.79	7.11	3	Vertical	15	1.02	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

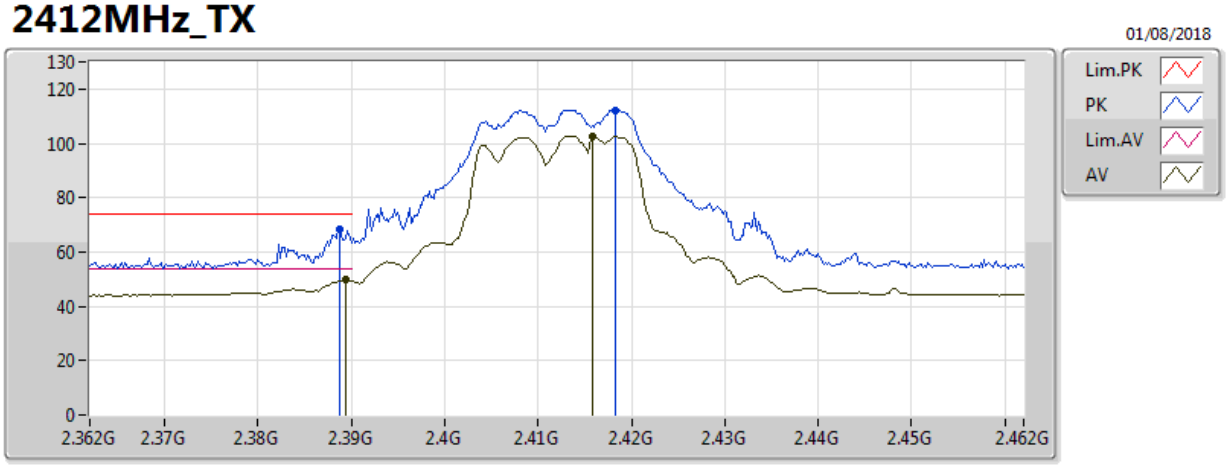


EUT Z_2TX
Setting 24
04-C-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92376G	50.53	74.00	-23.47	7.11	3	Horizontal	13	1.93	-
AV	4.92396G	41.34	54.00	-12.66	7.11	3	Horizontal	13	1.93	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

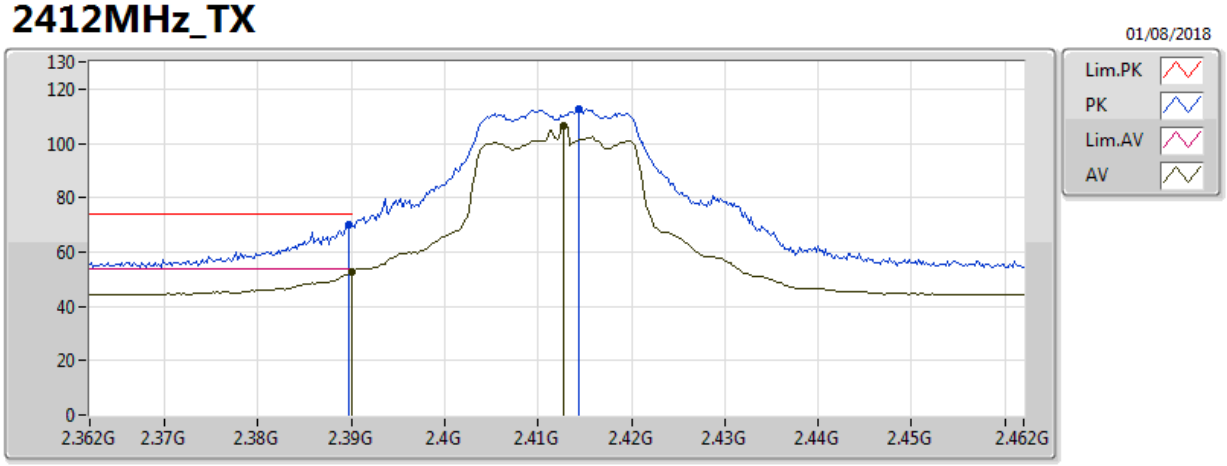


EUT Z_2TX
Setting 18.5
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	68.56	74.00	-5.44	30.97	3	Vertical	252	1.27	-
AV	2.3894G	49.68	54.00	-4.32	30.97	3	Vertical	252	1.27	-
PK	2.4182G	112.28	Inf	-Inf	30.98	3	Vertical	252	1.27	-
AV	2.4158G	102.74	Inf	-Inf	30.98	3	Vertical	252	1.27	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

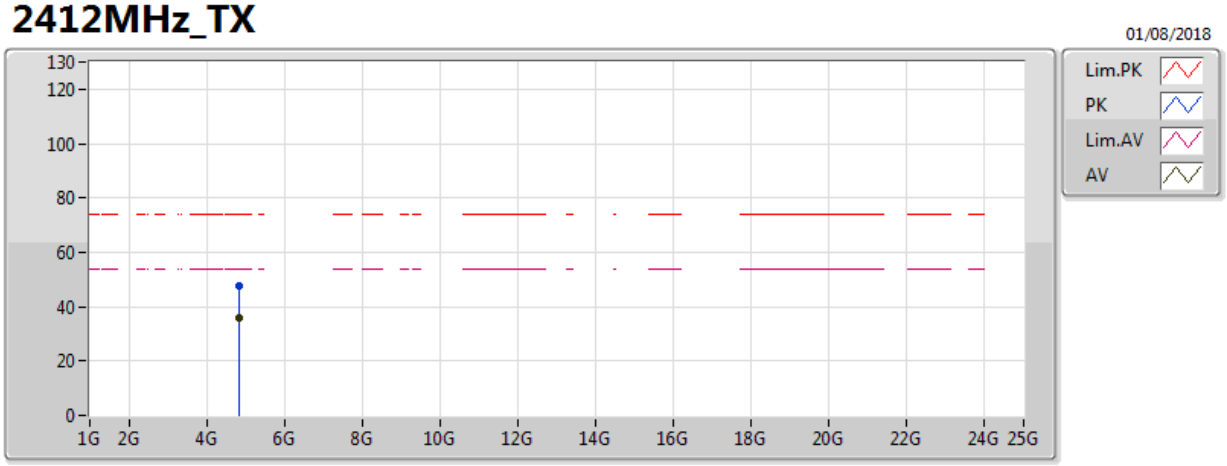


EUT Z_2TX
Setting 18.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.03	74.00	-3.97	30.97	3	Horizontal	70	1.46	-
AV	2.389998G	52.90	54.00	-1.10	30.97	3	Horizontal	70	1.46	-
PK	2.4144G	112.80	Inf	-Inf	30.97	3	Horizontal	70	1.46	-
AV	2.4128G	106.28	Inf	-Inf	30.97	3	Horizontal	70	1.46	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

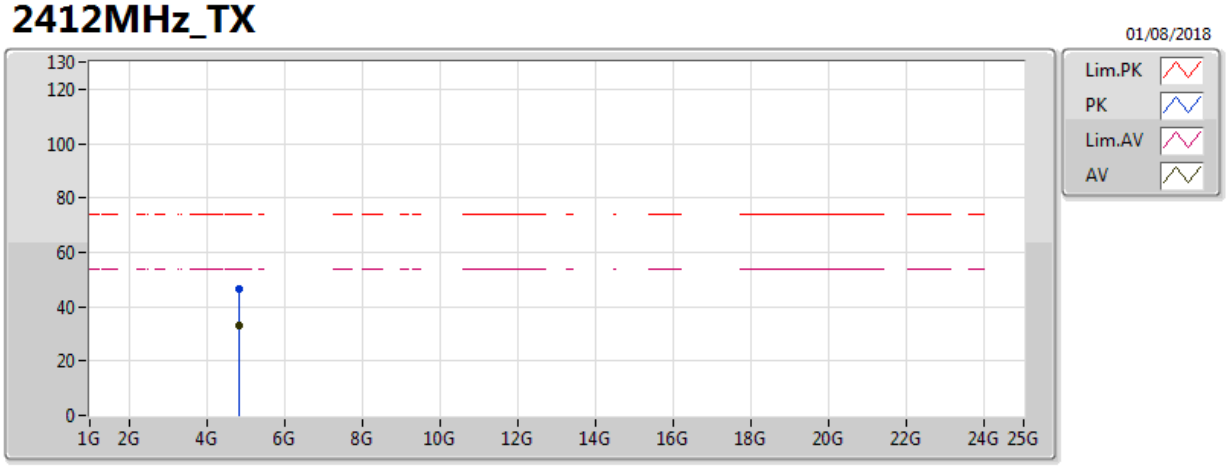


EUT Z_2TX
Setting 18.5
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82526G	47.56	74.00	-26.44	4.00	3	Vertical	354	2.73	-
AV	4.82394G	36.12	54.00	-17.88	4.00	3	Vertical	354	2.73	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

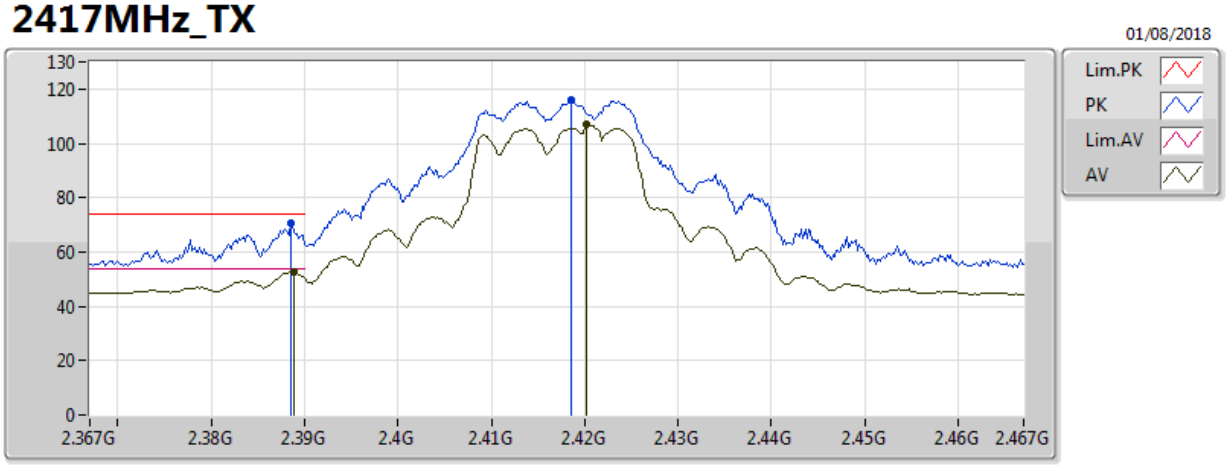


EUT Z_2TX
Setting 18.5
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82406G	46.78	74.00	-27.22	4.00	3	Horizontal	159	1.50	-
AV	4.82388G	33.08	54.00	-20.92	4.00	3	Horizontal	159	1.50	-

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

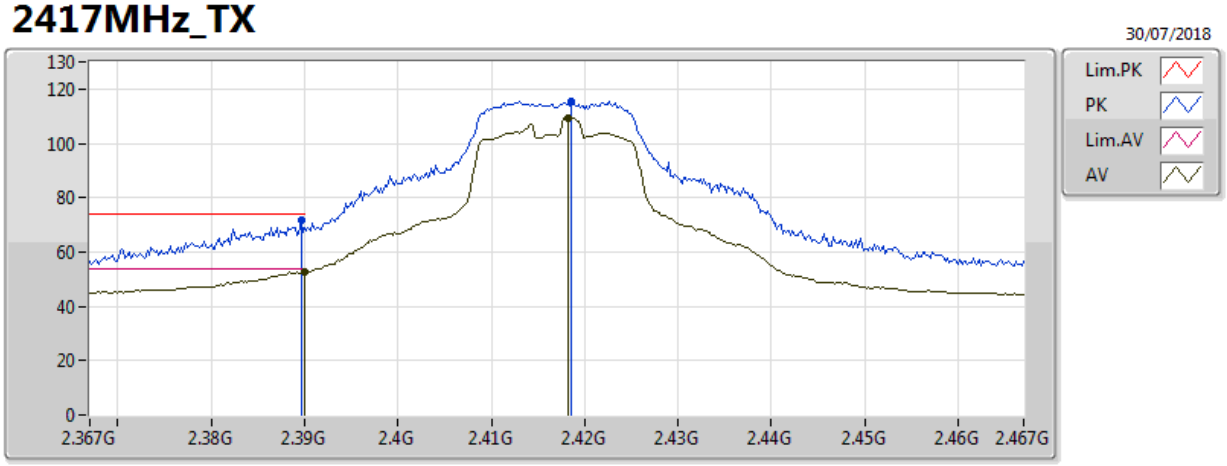


EUT Z_2TX
Setting 22
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	70.68	74.00	-3.32	30.97	3	Vertical	258	1.50	-
AV	2.3888G	52.55	54.00	-1.45	30.97	3	Vertical	258	1.50	-
PK	2.4186G	115.72	Inf	-Inf	30.98	3	Vertical	258	1.50	-
AV	2.4202G	107.03	Inf	-Inf	30.99	3	Vertical	258	1.50	-

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

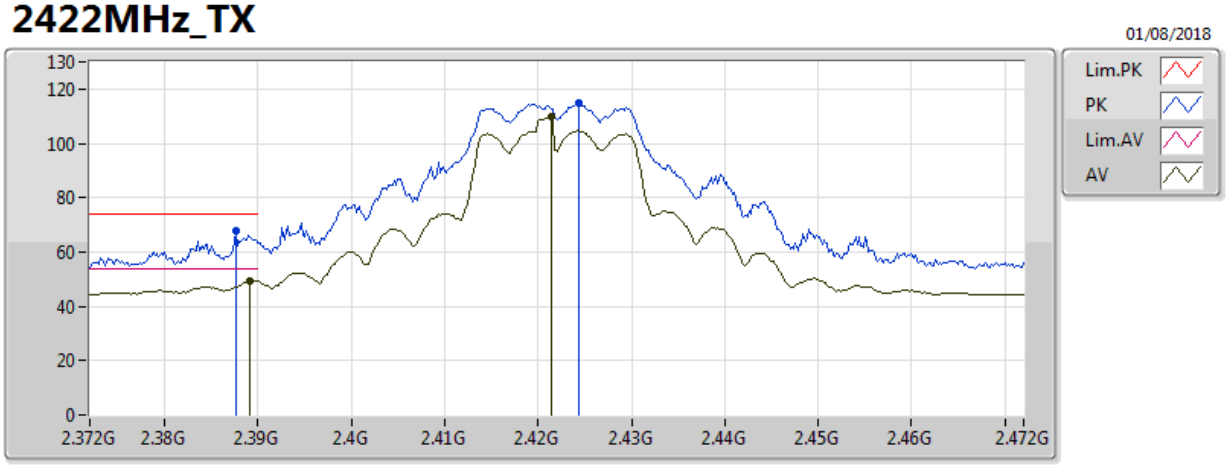


EUT Z_2TX
Setting 22
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	71.67	74.00	-2.33	30.97	3	Horizontal	176	1.45	-
AV	2.389998G	52.74	54.00	-1.26	30.97	3	Horizontal	176	1.45	-
PK	2.4186G	115.44	Inf	-Inf	30.98	3	Horizontal	176	1.45	-
AV	2.4182G	109.30	Inf	-Inf	30.98	3	Horizontal	176	1.45	-

802.11g-BF_Nss1,(6Mbps)_2TX

2422MHz_TX

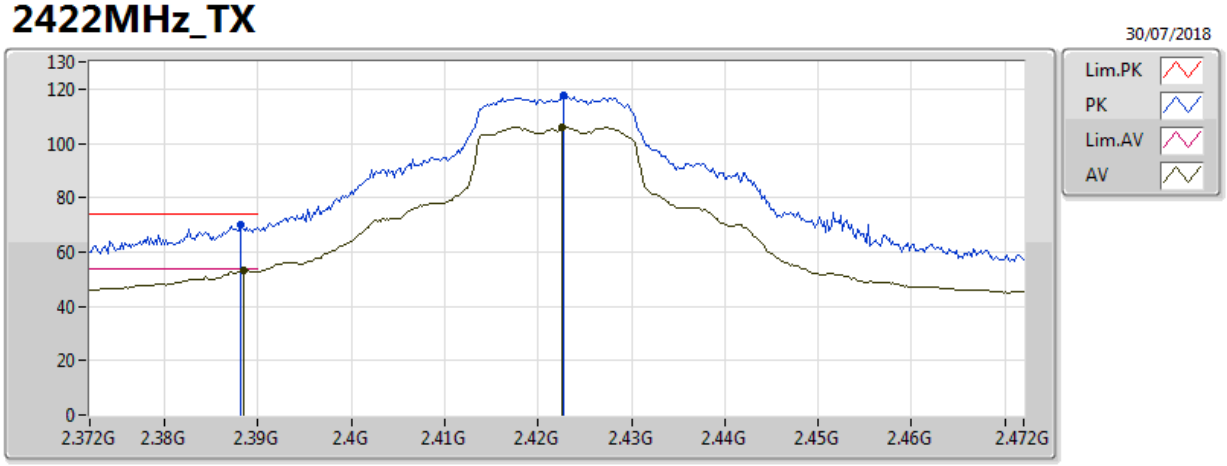


EUT Z_2TX
Setting 23
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	67.81	74.00	-6.19	30.97	3	Vertical	288	1.50	-
AV	2.3892G	49.52	54.00	-4.48	30.97	3	Vertical	288	1.50	-
PK	2.4244G	114.94	Inf	-Inf	31.00	3	Vertical	288	1.50	-
AV	2.4214G	109.67	Inf	-Inf	30.99	3	Vertical	288	1.50	-

802.11g-BF_Nss1,(6Mbps)_2TX

2422MHz_TX

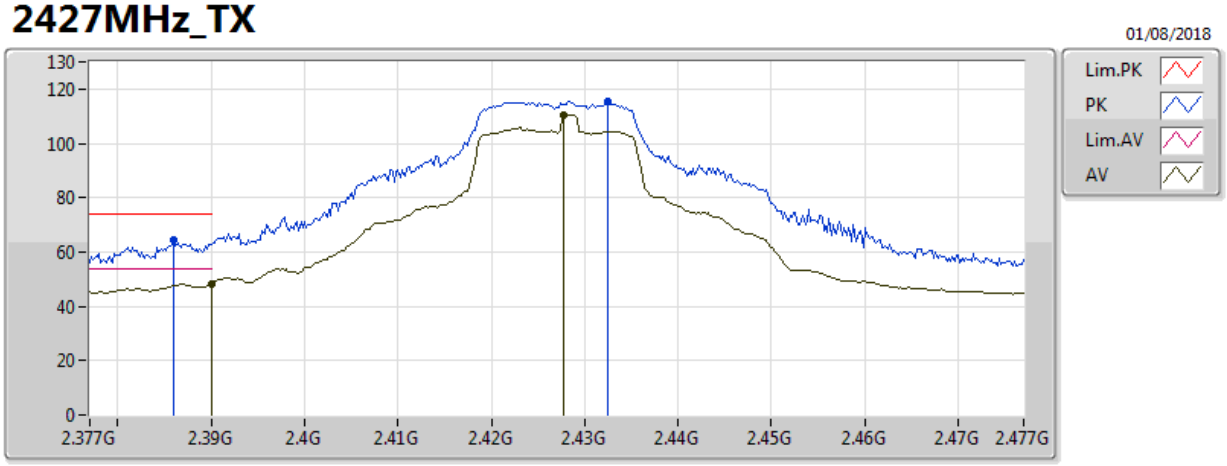


EUT Z_2TX
Setting 23
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	69.81	74.00	-4.19	30.97	3	Horizontal	176	1.17	-
AV	2.3884G	53.30	54.00	-0.70	30.97	3	Horizontal	176	1.17	-
PK	2.4228G	117.46	Inf	-Inf	31.00	3	Horizontal	176	1.17	-
AV	2.4226G	106.02	Inf	-Inf	31.00	3	Horizontal	176	1.17	-

802.11g-BF_Nss1,(6Mbps)_2TX

2427MHz_TX

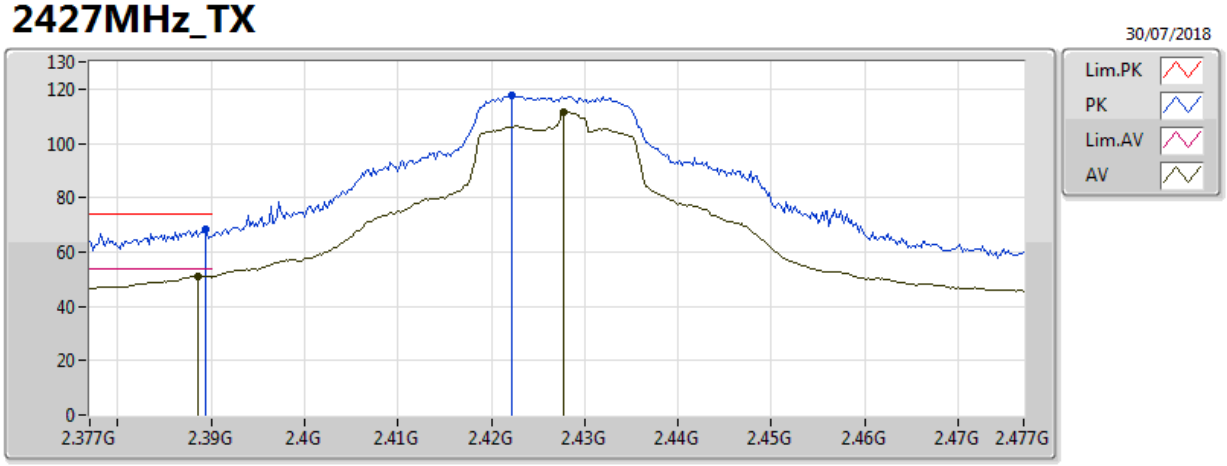


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	64.34	74.00	-9.66	30.97	3	Vertical	6	1.28	-
AV	2.389998G	48.26	54.00	-5.74	30.97	3	Vertical	6	1.28	-
PK	2.4324G	115.52	Inf	-Inf	31.02	3	Vertical	6	1.28	-
AV	2.4278G	110.47	Inf	-Inf	31.01	3	Vertical	6	1.28	-

802.11g-BF_Nss1,(6Mbps)_2TX

2427MHz_TX

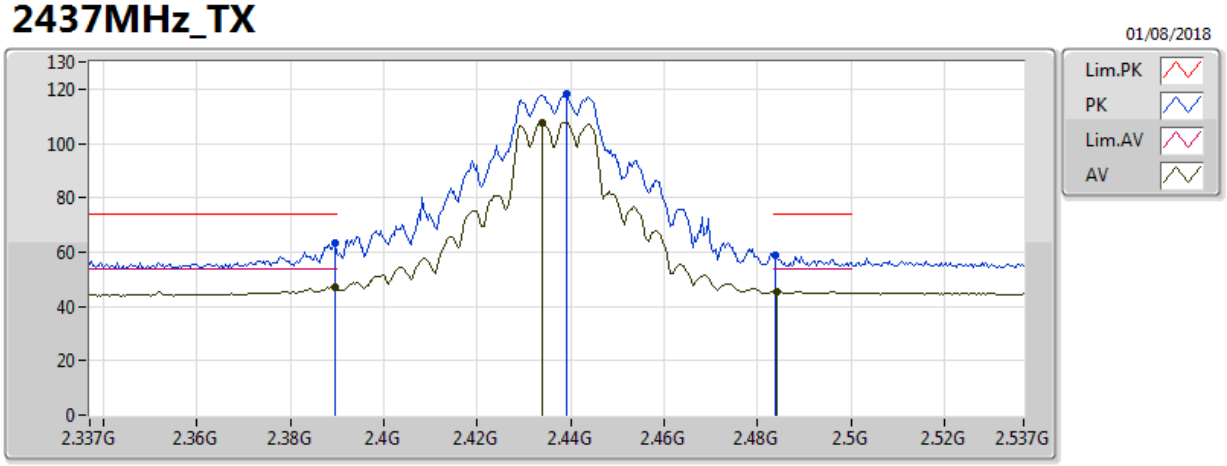


EUT Z_2TX
Setting 24
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	68.50	74.00	-5.50	30.97	3	Horizontal	174	1.16	-
AV	2.3886G	51.21	54.00	-2.79	30.97	3	Horizontal	174	1.16	-
PK	2.4222G	117.60	Inf	-Inf	30.99	3	Horizontal	174	1.16	-
AV	2.4278G	111.78	Inf	-Inf	31.01	3	Horizontal	174	1.16	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

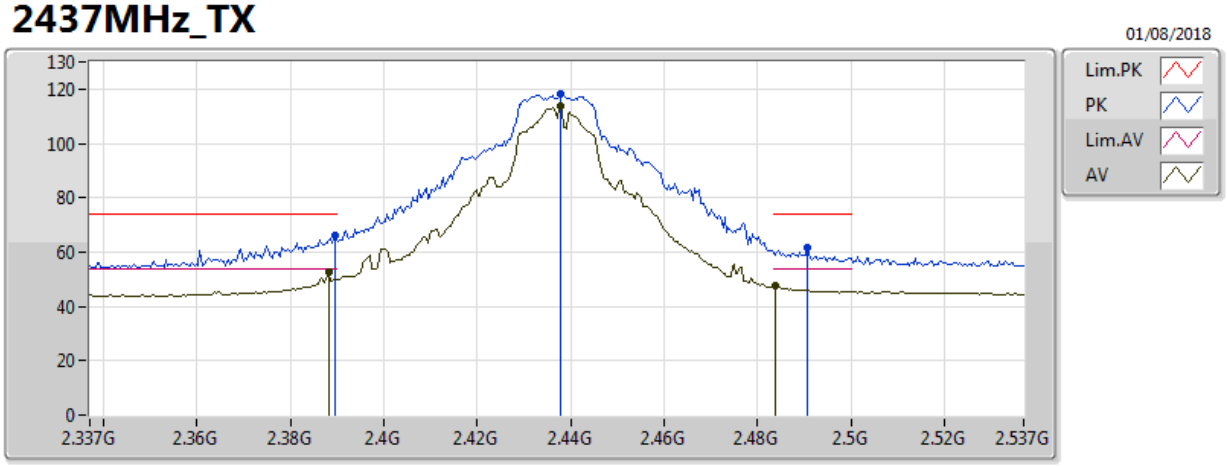


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	63.34	74.00	-10.66	30.97	3	Vertical	257	1.07	-
AV	2.3894G	47.16	54.00	-6.84	30.97	3	Vertical	257	1.07	-
PK	2.439G	118.15	Inf	-Inf	31.04	3	Vertical	257	1.07	-
AV	2.4338G	107.61	Inf	-Inf	31.03	3	Vertical	257	1.07	-
PK	2.4838G	58.70	74.00	-15.30	31.17	3	Vertical	257	1.07	-
AV	2.4842G	45.59	54.00	-8.41	31.17	3	Vertical	257	1.07	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

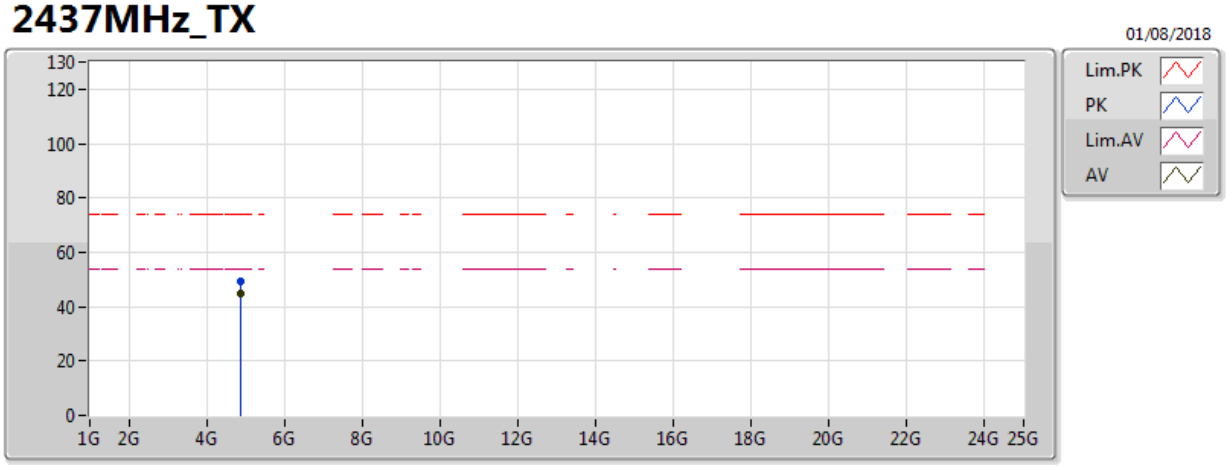


EUT Z_2TX
Setting 24
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	65.92	74.00	-8.08	30.97	3	Horizontal	322	1.11	-
AV	2.3882G	52.56	54.00	-1.44	30.97	3	Horizontal	322	1.11	-
PK	2.4378G	117.98	Inf	-Inf	31.04	3	Horizontal	322	1.11	-
AV	2.4378G	113.80	Inf	-Inf	31.04	3	Horizontal	322	1.11	-
PK	2.4906G	61.60	74.00	-12.40	31.19	3	Horizontal	322	1.11	-
AV	2.4838G	47.66	54.00	-6.34	31.17	3	Horizontal	322	1.11	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

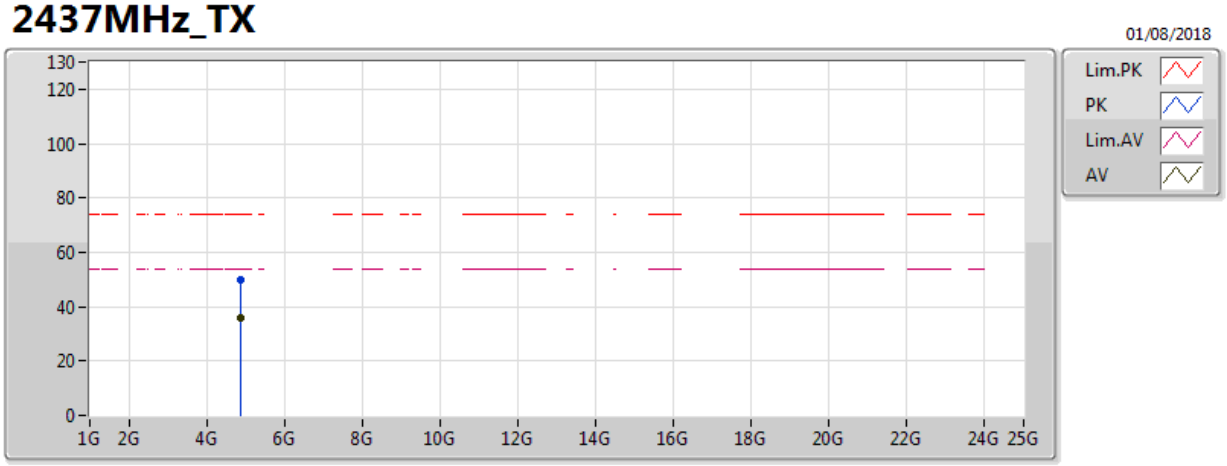


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87322G	49.39	74.00	-24.61	4.20	3	Vertical	46	1.20	-
AV	4.874G	44.98	54.00	-9.02	4.20	3	Vertical	46	1.20	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

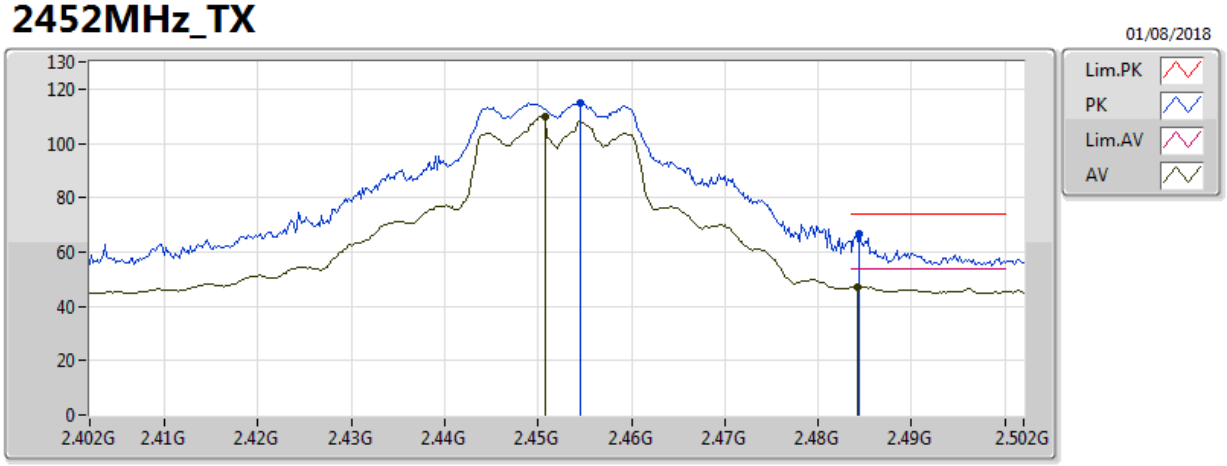


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87454G	49.85	74.00	-24.15	4.21	3	Horizontal	343	1.03	-
AV	4.8746G	35.92	54.00	-18.08	4.21	3	Horizontal	343	1.03	-

802.11g-BF_Nss1,(6Mbps)_2TX

2452MHz_TX



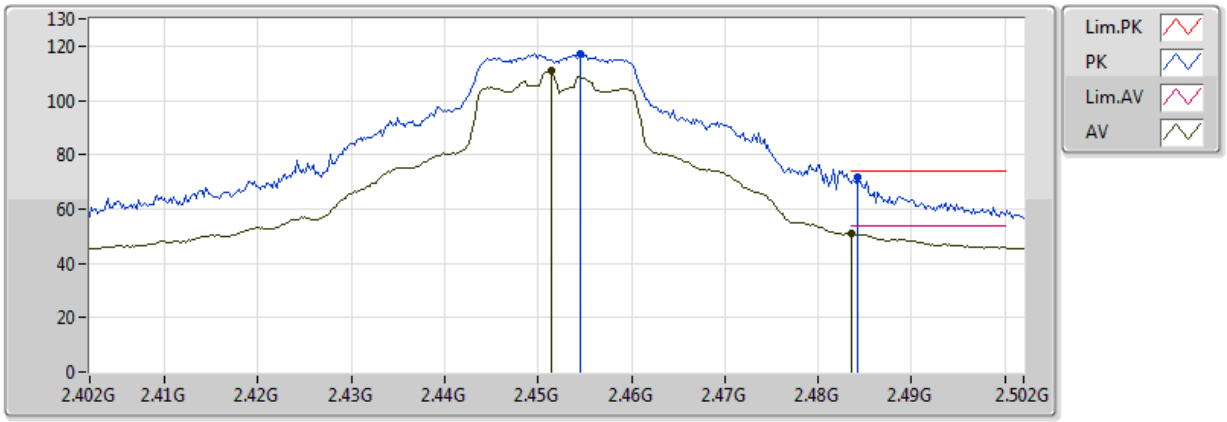
EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4546G	114.82	Inf	-Inf	31.09	3	Vertical	319	1.50	-
AV	2.4508G	109.80	Inf	-Inf	31.08	3	Vertical	319	1.50	-
PK	2.4844G	66.90	74.00	-7.10	31.17	3	Vertical	319	1.50	-
AV	2.4842G	47.34	54.00	-6.66	31.17	3	Vertical	319	1.50	-

802.11g-BF_Nss1,(6Mbps)_2TX

2452MHz_TX

30/07/2018

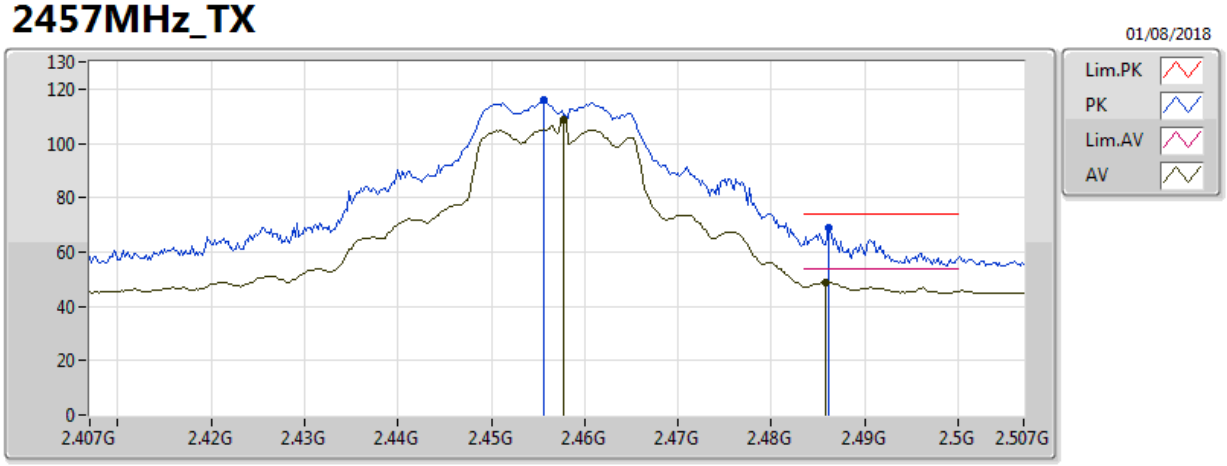


EUT Z_2TX
Setting 24
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4546G	117.16	Inf	-Inf	31.09	3	Horizontal	166	2.90	-
AV	2.4514G	110.96	Inf	-Inf	31.08	3	Horizontal	166	2.90	-
PK	2.4842G	71.66	74.00	-2.34	31.17	3	Horizontal	166	2.90	-
AV	2.4836G	50.97	54.00	-3.03	31.17	3	Horizontal	166	2.90	-

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

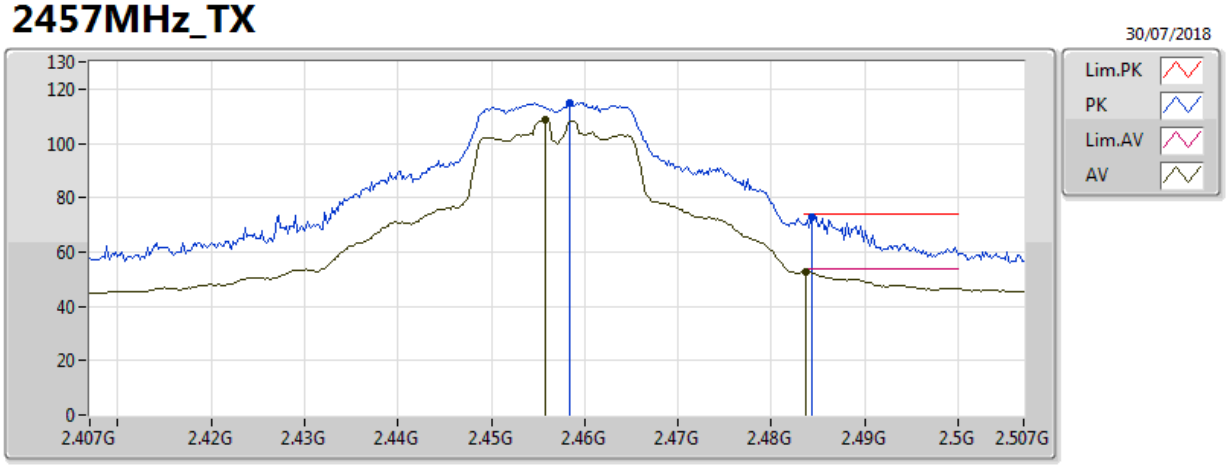


EUT Z_2TX
Setting 23
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4556G	115.83	Inf	-Inf	31.09	3	Vertical	59	1.50	-
AV	2.4578G	108.82	Inf	-Inf	31.10	3	Vertical	59	1.50	-
PK	2.4862G	69.03	74.00	-4.97	31.18	3	Vertical	59	1.50	-
AV	2.4858G	48.74	54.00	-5.26	31.18	3	Vertical	59	1.50	-

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

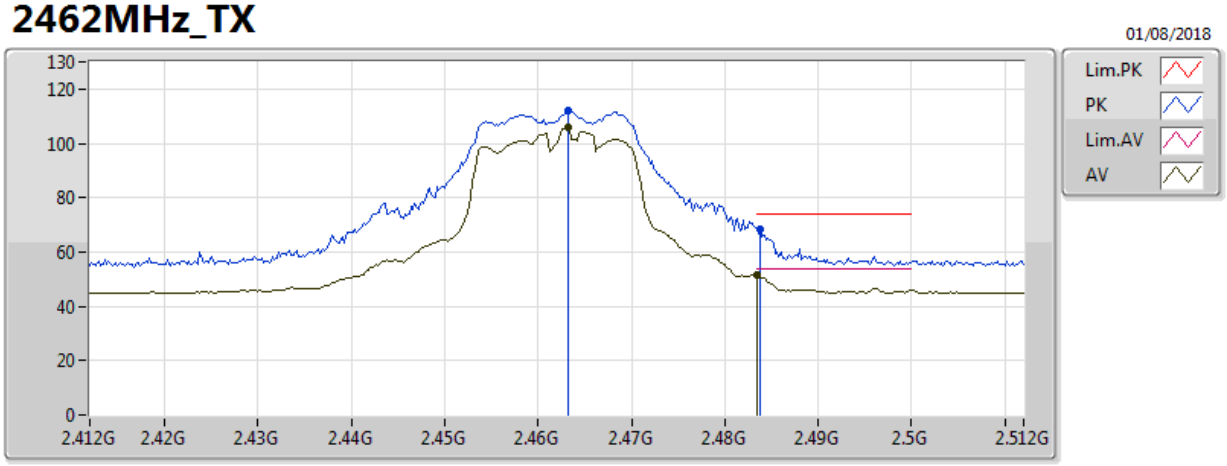


EUT Z_2TX
Setting 23
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4584G	114.97	Inf	-Inf	31.10	3	Horizontal	71	1.30	-
AV	2.4558G	108.67	Inf	-Inf	31.09	3	Horizontal	71	1.30	-
PK	2.4844G	73.11	74.00	-0.89	31.17	3	Horizontal	71	1.30	-
AV	2.4836G	52.58	54.00	-1.42	31.17	3	Horizontal	71	1.30	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

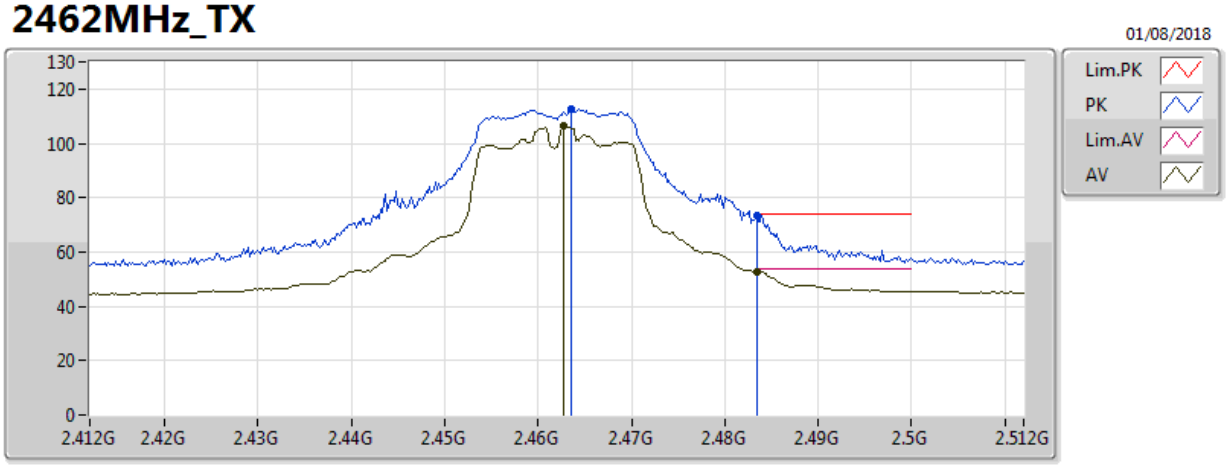


EUT Z_2TX
Setting 19.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4632G	112.18	Inf	-Inf	31.11	3	Vertical	61	1.15	-
AV	2.4632G	105.75	Inf	-Inf	31.11	3	Vertical	61	1.15	-
PK	2.4838G	68.39	74.00	-5.61	31.17	3	Vertical	61	1.15	-
AV	2.483502G	51.37	54.00	-2.63	31.17	3	Vertical	61	1.15	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

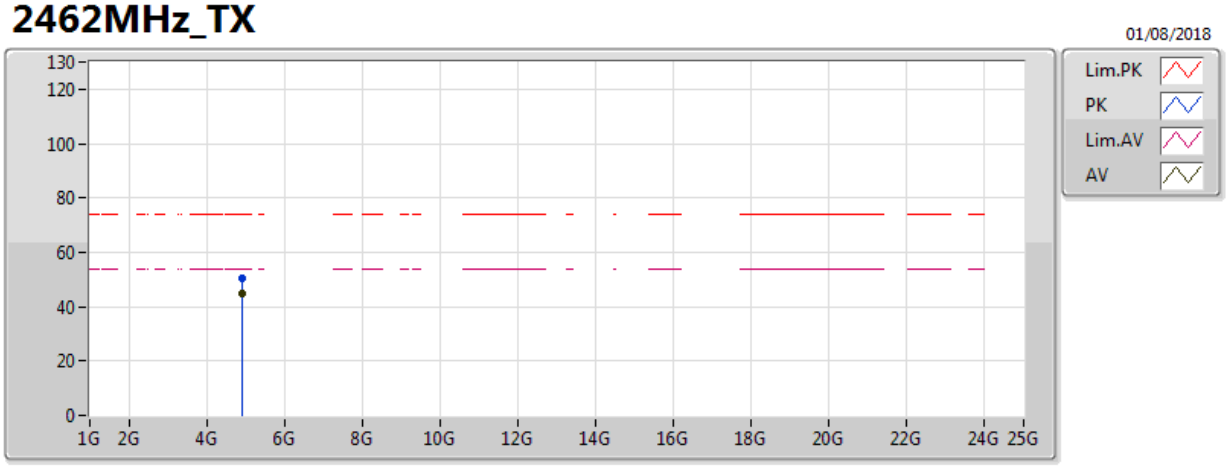


EUT Z_2TX
Setting 19.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4636G	112.68	Inf	-Inf	31.11	3	Horizontal	79	1.11	-
AV	2.4628G	106.48	Inf	-Inf	31.11	3	Horizontal	79	1.11	-
PK	2.483502G	73.46	74.00	-0.54	31.17	3	Horizontal	79	1.11	-
AV	2.483502G	52.85	54.00	-1.15	31.17	3	Horizontal	79	1.11	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

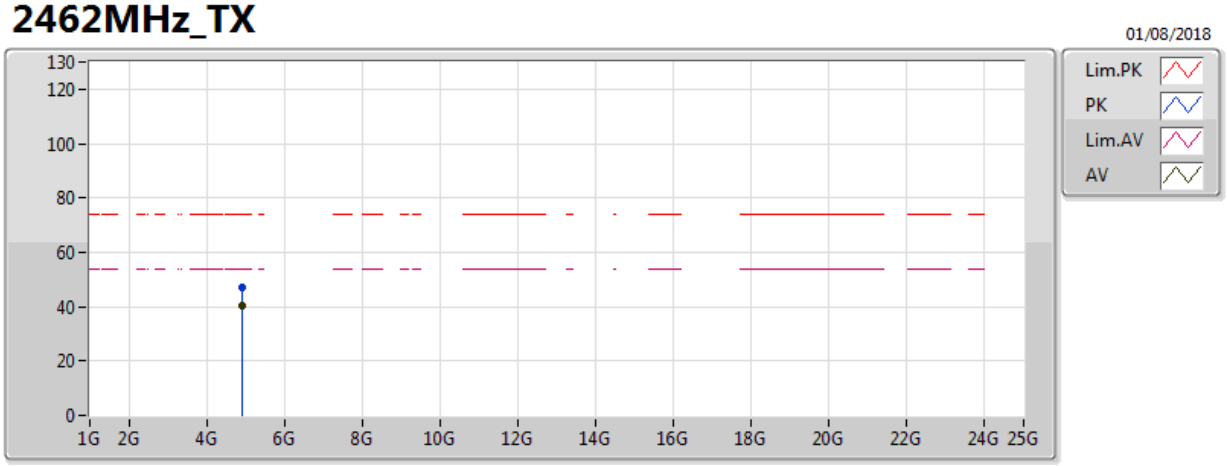


EUT Z_2TX
Setting 19.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92394G	50.57	74.00	-23.43	4.40	3	Vertical	354	1.49	-
AV	4.92394G	44.95	54.00	-9.05	4.40	3	Vertical	354	1.49	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

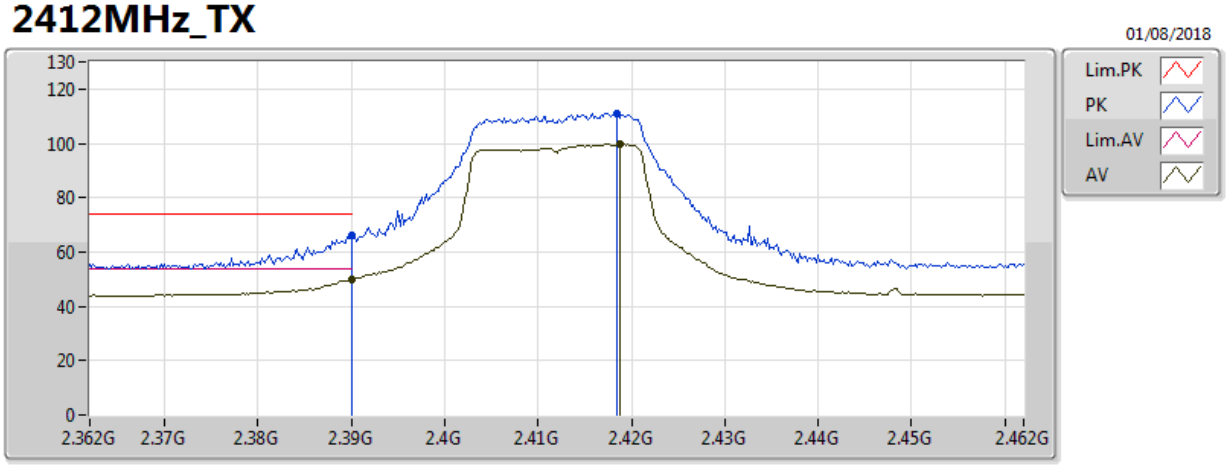


EUT Z_2TX
Setting 19.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92076G	47.23	74.00	-26.77	4.39	3	Horizontal	323	2.65	-
AV	4.92398G	40.20	54.00	-13.80	4.40	3	Horizontal	323	2.65	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

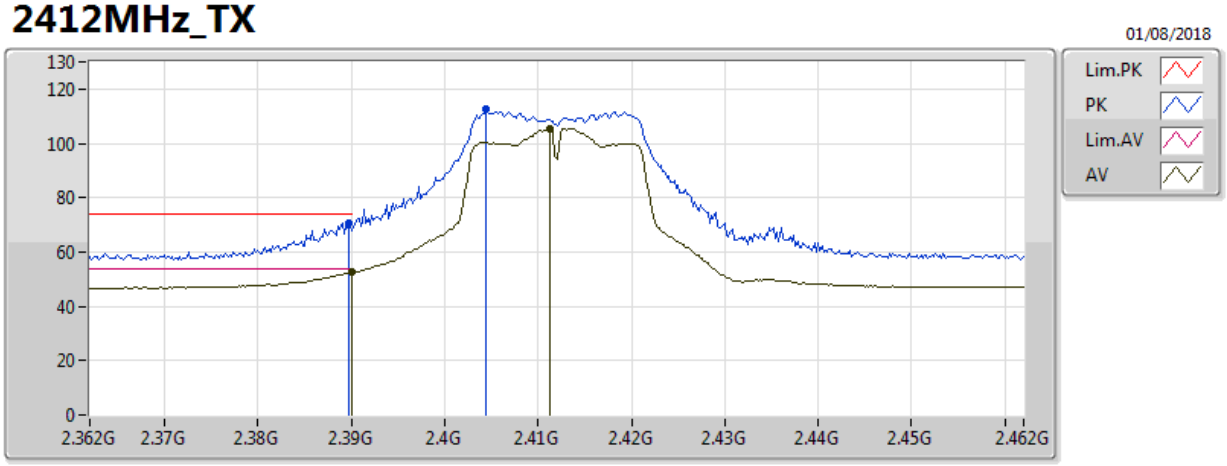


EUT Z_2TX
Setting 18
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	66.12	74.00	-7.88	30.97	3	Vertical	37	1.50	-
AV	2.389998G	49.98	54.00	-4.02	30.97	3	Vertical	37	1.50	-
PK	2.4184G	110.99	Inf	-Inf	30.98	3	Vertical	37	1.50	-
AV	2.4188G	99.59	Inf	-Inf	30.98	3	Vertical	37	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

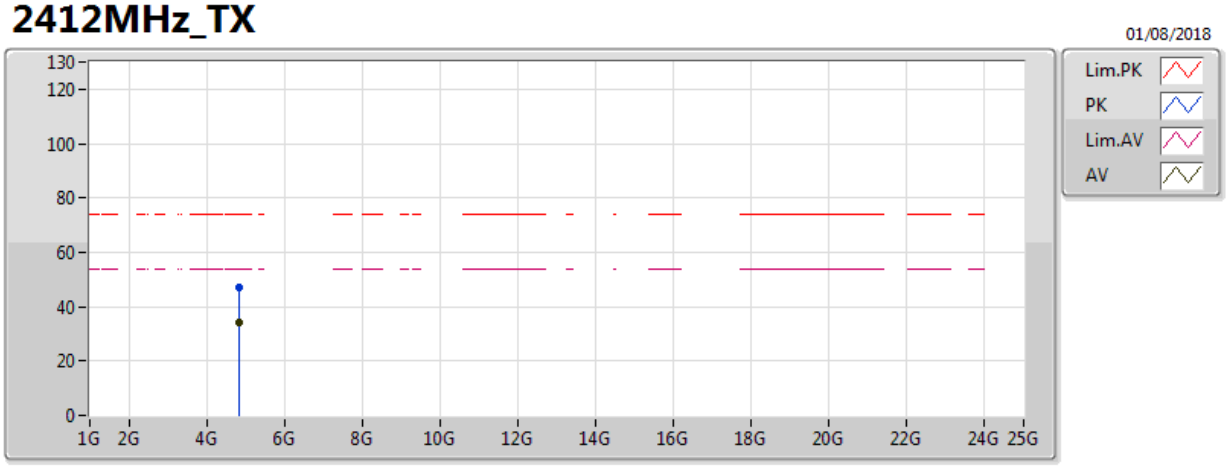


EUT Z_2TX
Setting 18
02-R-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.56	74.00	-3.44	31.50	3	Horizontal	11	2.92	-
AV	2.389998G	52.45	54.00	-1.55	31.50	3	Horizontal	11	2.92	-
PK	2.4044G	112.43	Inf	-Inf	31.54	3	Horizontal	11	2.92	-
AV	2.4112G	105.46	Inf	-Inf	31.56	3	Horizontal	11	2.92	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

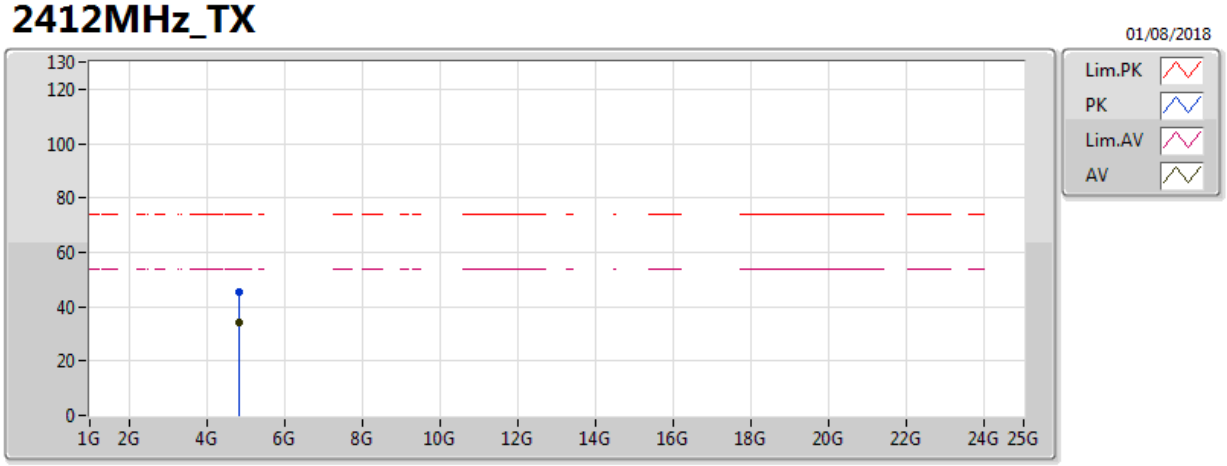


EUT Z_2TX
Setting 18
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8236G	47.09	74.00	-26.91	4.00	3	Vertical	39	1.48	-
AV	4.824G	34.02	54.00	-19.98	4.00	3	Vertical	39	1.48	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

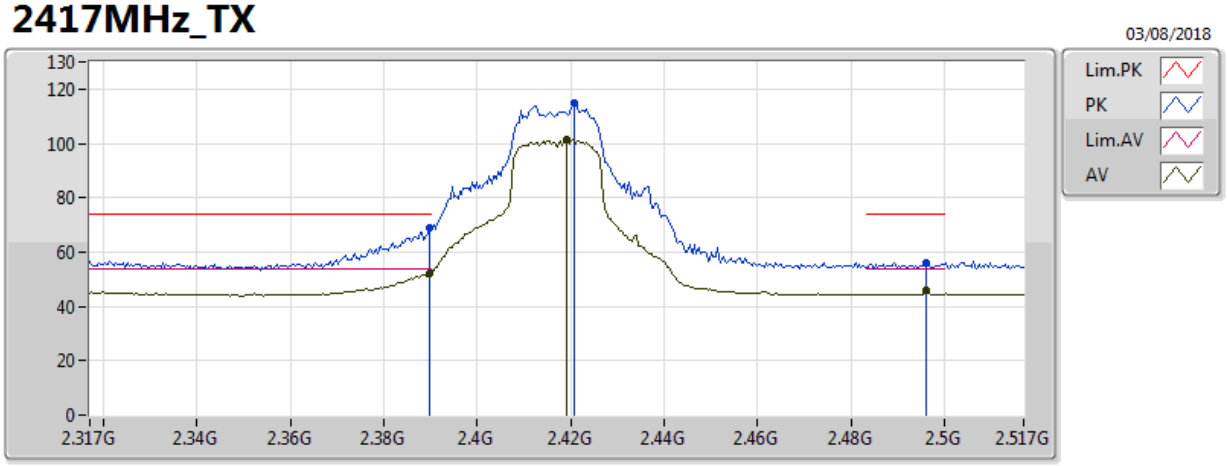


EUT Z_2TX
Setting 18
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82704G	45.27	74.00	-28.73	4.01	3	Horizontal	128	1.01	-
AV	4.82404G	34.06	54.00	-19.94	4.00	3	Horizontal	128	1.01	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

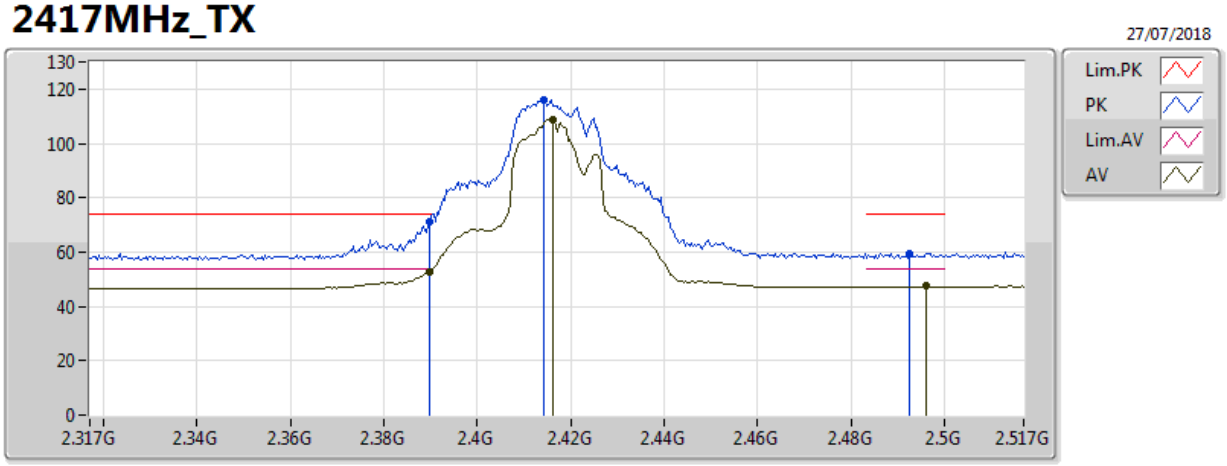


EUT Z_2TX
Setting 22
01-K-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	68.86	74.00	-5.14	30.97	3	Vertical	246	2.99	-
AV	2.3898G	52.02	54.00	-1.98	30.97	3	Vertical	246	2.99	-
PK	2.4206G	114.63	Inf	-Inf	30.99	3	Vertical	246	2.99	-
AV	2.419G	101.54	Inf	-Inf	30.99	3	Vertical	246	2.99	-
PK	2.4962G	56.05	74.00	-17.95	31.21	3	Vertical	246	2.99	-
AV	2.4962G	45.77	54.00	-8.23	31.21	3	Vertical	246	2.99	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

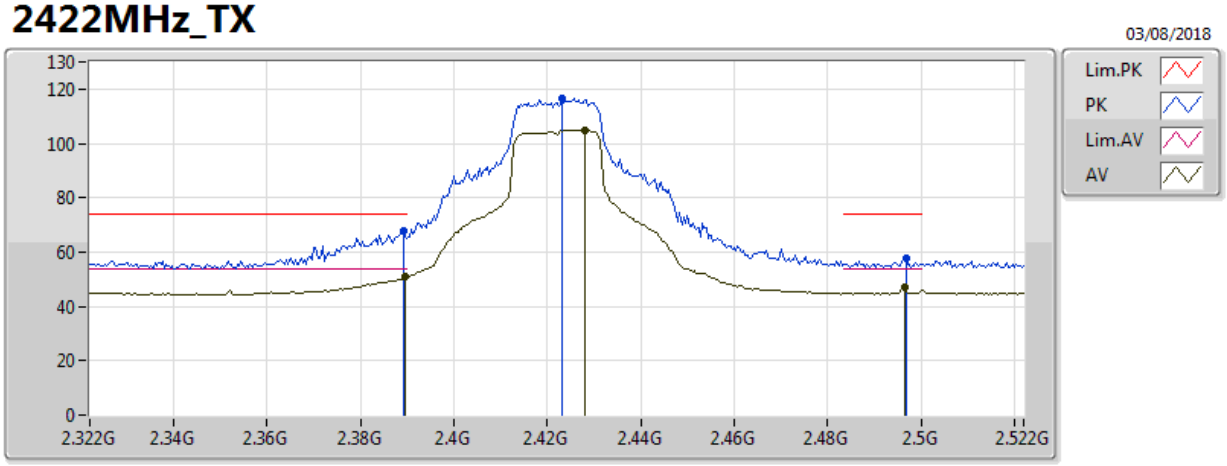


EUT Z_2TX
Setting 22
02-R-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	71.29	74.00	-2.71	31.50	3	Horizontal	284	2.35	-
AV	2.3898G	52.83	54.00	-1.17	31.50	3	Horizontal	284	2.35	-
PK	2.4142G	115.99	Inf	-Inf	31.56	3	Horizontal	284	2.35	-
AV	2.4162G	108.90	Inf	-Inf	31.57	3	Horizontal	284	2.35	-
PK	2.4926G	59.47	74.00	-14.53	31.76	3	Horizontal	284	2.35	-
AV	2.4962G	47.38	54.00	-6.62	31.76	3	Horizontal	284	2.35	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2422MHz_TX

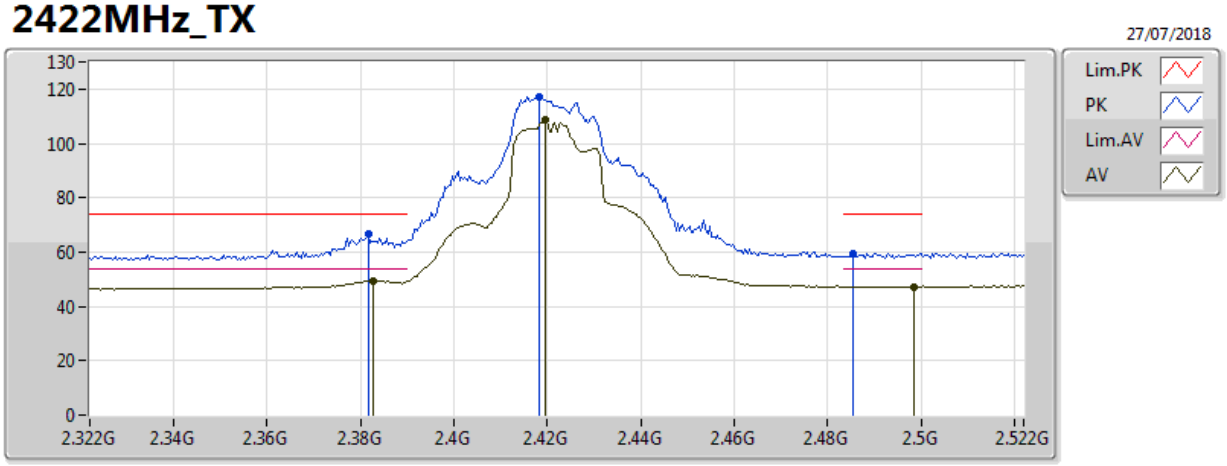


EUT Z_2TX
Setting 23.5
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	67.71	74.00	-6.29	30.97	3	Vertical	17	1.27	-
AV	2.3896G	50.81	54.00	-3.19	30.97	3	Vertical	17	1.27	-
PK	2.4232G	116.48	Inf	-Inf	31.00	3	Vertical	17	1.27	-
AV	2.428G	104.91	Inf	-Inf	31.01	3	Vertical	17	1.27	-
PK	2.4968G	57.70	74.00	-16.30	31.21	3	Vertical	17	1.27	-
AV	2.4964G	47.02	54.00	-6.98	31.21	3	Vertical	17	1.27	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2422MHz_TX

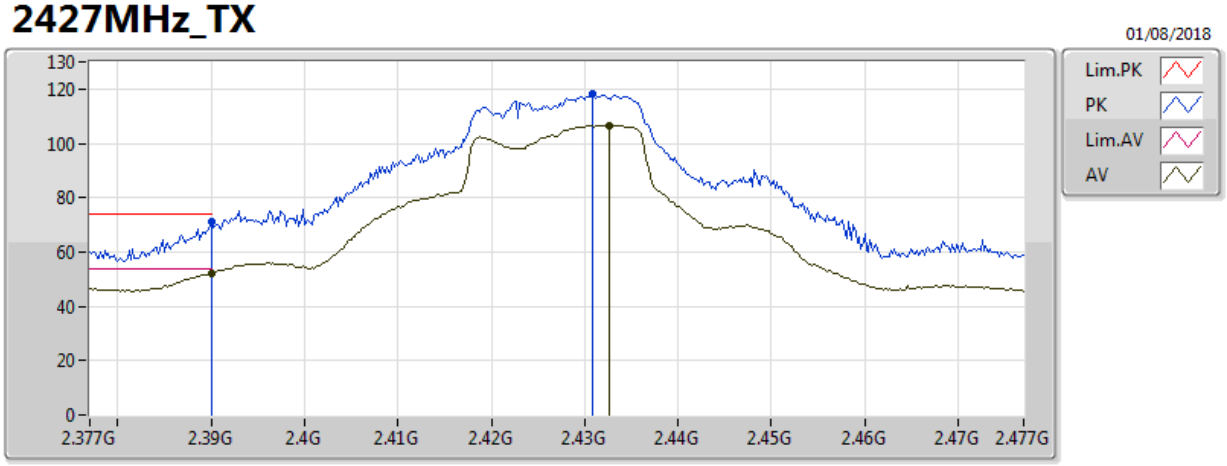


EUT Z_2TX
Setting 23.5
02-R-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3816G	66.59	74.00	-7.41	31.48	3	Horizontal	288	1.50	-
AV	2.3828G	49.57	54.00	-4.43	31.49	3	Horizontal	288	1.50	-
PK	2.4184G	117.17	Inf	-Inf	31.57	3	Horizontal	288	1.50	-
AV	2.4196G	108.78	Inf	-Inf	31.58	3	Horizontal	288	1.50	-
PK	2.4856G	59.36	74.00	-14.64	31.73	3	Horizontal	288	1.50	-
AV	2.4984G	47.34	54.00	-6.66	31.77	3	Horizontal	288	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2427MHz_TX

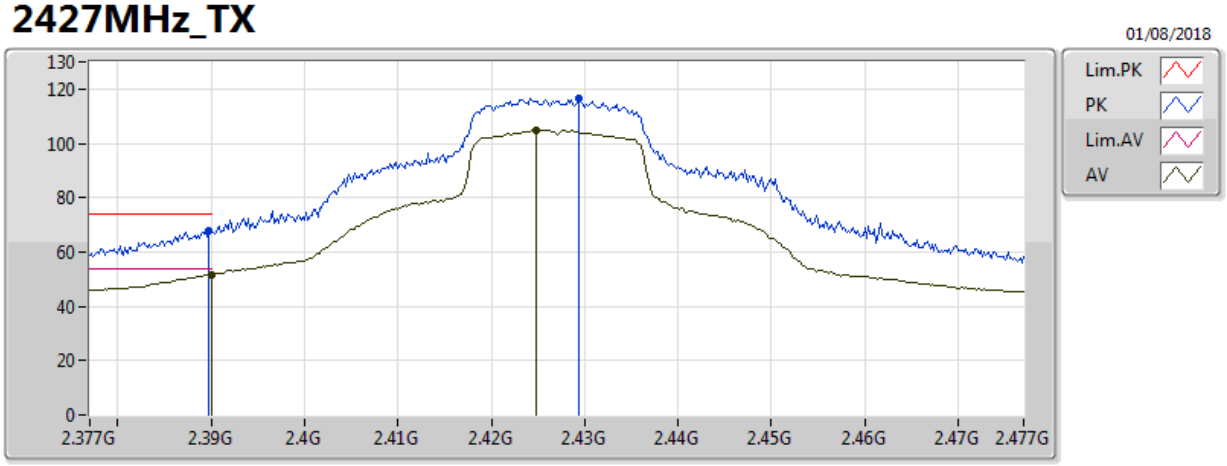


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	71.13	74.00	-2.87	30.97	3	Vertical	253	1.50	-
AV	2.389998G	52.33	54.00	-1.67	30.97	3	Vertical	253	1.50	-
PK	2.4308G	118.20	Inf	-Inf	31.02	3	Vertical	253	1.50	-
AV	2.4326G	106.73	Inf	-Inf	31.02	3	Vertical	253	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2427MHz_TX

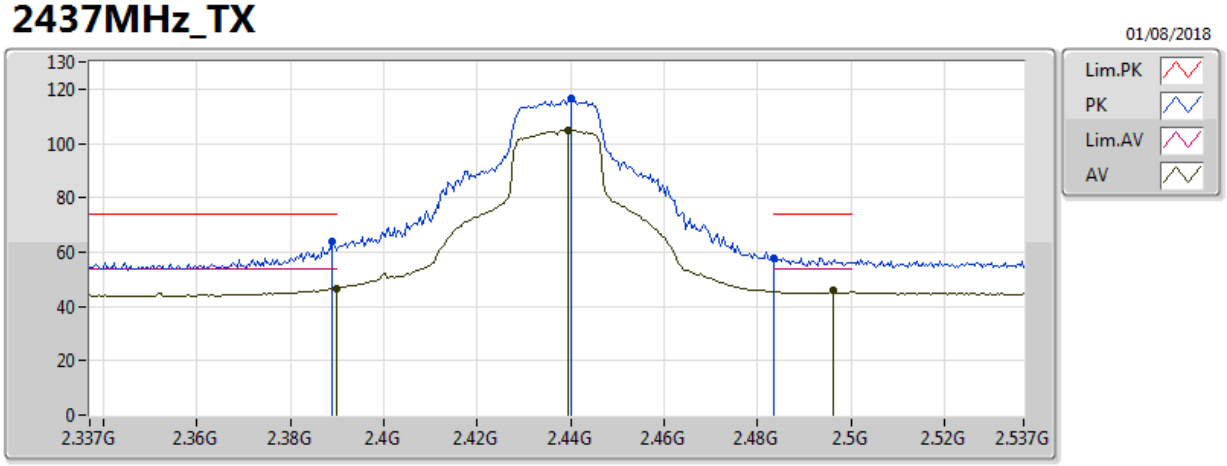


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	68.02	74.00	-5.98	30.97	3	Horizontal	182	1.11	-
AV	2.389998G	51.71	54.00	-2.29	30.97	3	Horizontal	182	1.11	-
PK	2.4294G	116.56	Inf	-Inf	31.02	3	Horizontal	182	1.11	-
AV	2.4248G	104.97	Inf	-Inf	31.00	3	Horizontal	182	1.11	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

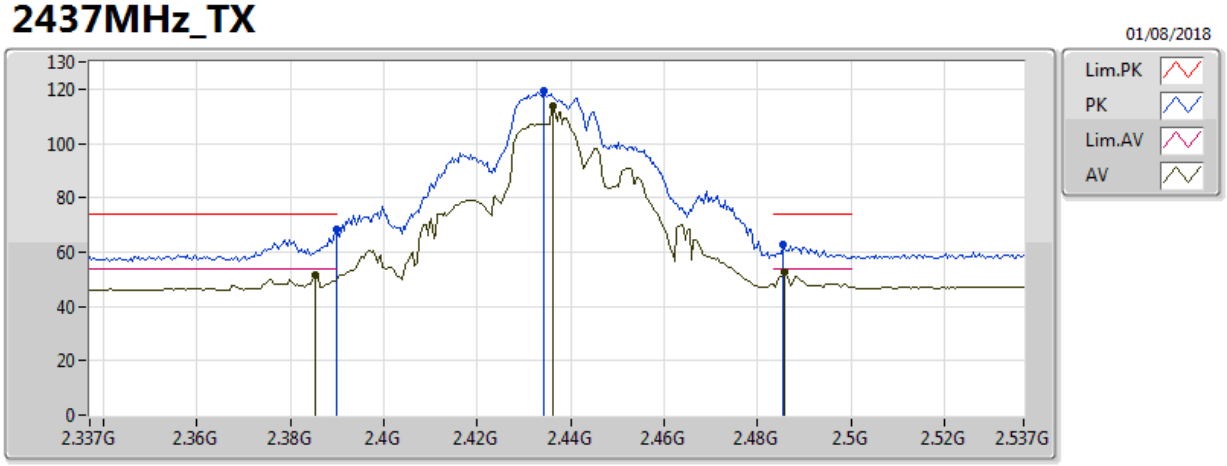


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	63.74	74.00	-10.26	30.97	3	Vertical	350	1.14	-
AV	2.3898G	46.71	54.00	-7.29	30.97	3	Vertical	350	1.14	-
PK	2.4402G	116.28	Inf	-Inf	31.05	3	Vertical	350	1.14	-
AV	2.4394G	104.85	Inf	-Inf	31.04	3	Vertical	350	1.14	-
PK	2.483502G	57.98	74.00	-16.02	31.17	3	Vertical	350	1.14	-
AV	2.4962G	46.19	54.00	-7.81	31.21	3	Vertical	350	1.14	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

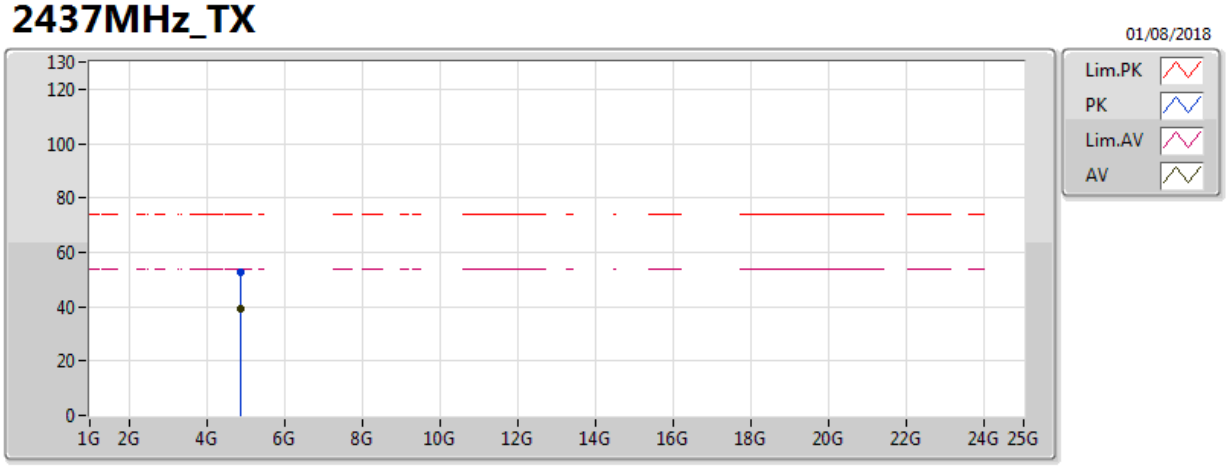


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	68.33	74.00	-5.67	31.50	3	Horizontal	157	1.80	-
AV	2.3854G	51.62	54.00	-2.38	31.49	3	Horizontal	157	1.80	-
PK	2.4342G	119.23	Inf	-Inf	31.61	3	Horizontal	157	1.80	-
AV	2.4362G	113.83	Inf	-Inf	31.62	3	Horizontal	157	1.80	-
PK	2.4854G	62.81	74.00	-11.19	31.73	3	Horizontal	157	1.80	-
AV	2.4858G	52.81	54.00	-1.19	31.73	3	Horizontal	157	1.80	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

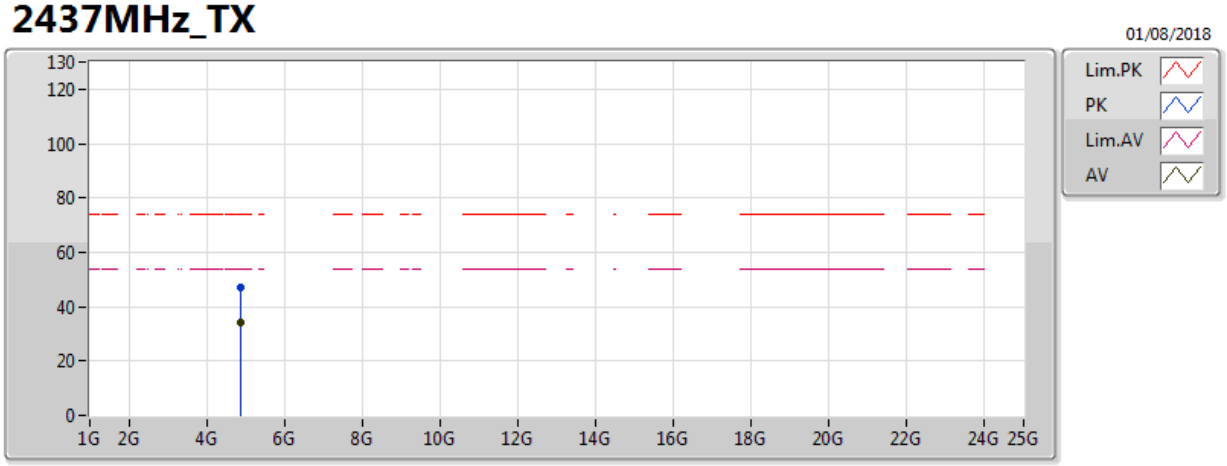


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.874G	52.90	74.00	-21.10	4.20	3	Vertical	360	2.53	-
AV	4.874G	39.18	54.00	-14.82	4.20	3	Vertical	360	2.53	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

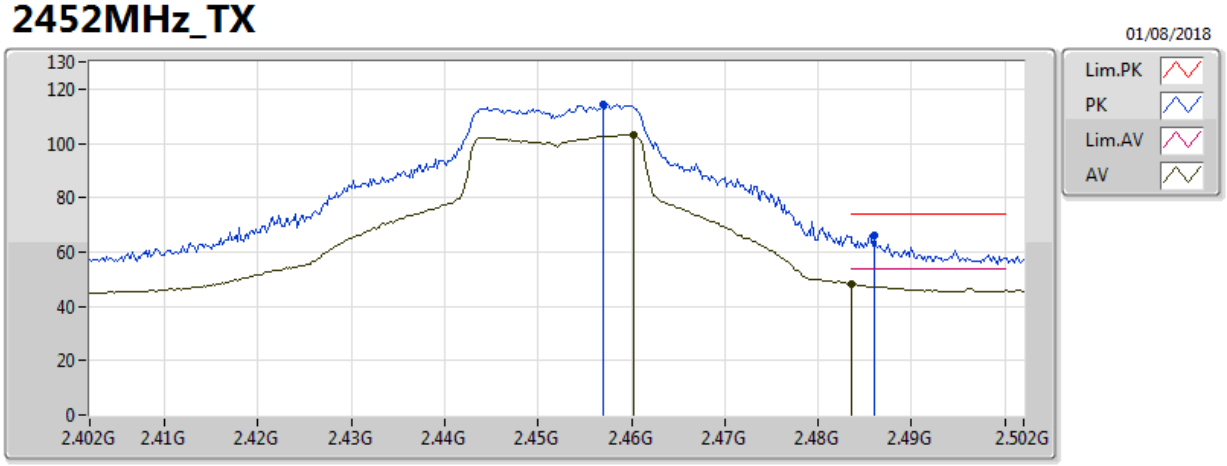


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87868G	47.26	74.00	-26.74	4.22	3	Horizontal	123	2.55	-
AV	4.87406G	34.01	54.00	-19.99	4.20	3	Horizontal	123	2.55	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2452MHz_TX

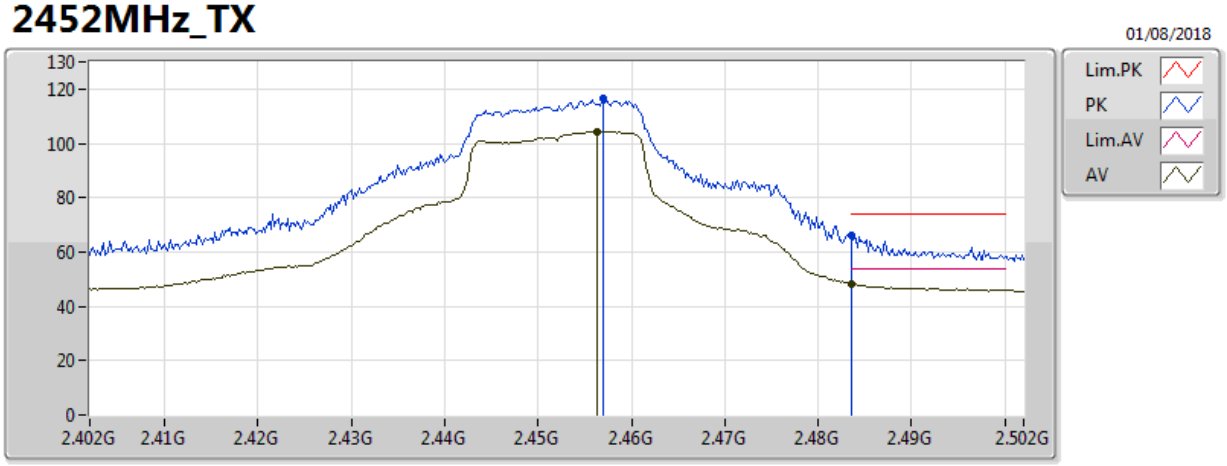


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.457G	114.17	Inf	-Inf	31.10	3	Vertical	325	1.50	-
AV	2.4602G	103.04	Inf	-Inf	31.10	3	Vertical	325	1.50	-
PK	2.486G	66.16	74.00	-7.84	31.18	3	Vertical	325	1.50	-
AV	2.4836G	48.31	54.00	-5.69	31.17	3	Vertical	325	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2452MHz_TX

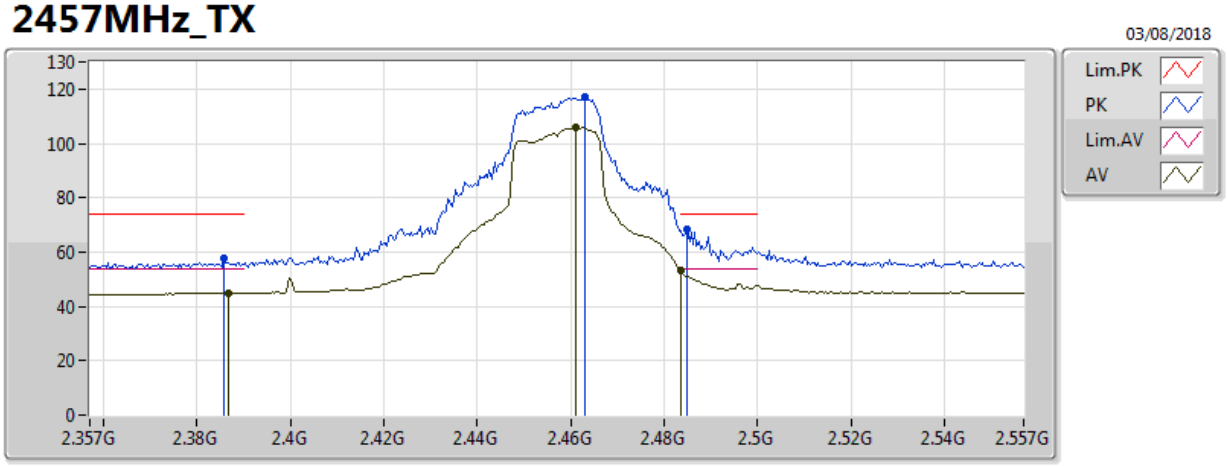


EUT Z_2TX
Setting 24
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.457G	116.40	Inf	-Inf	31.10	3	Horizontal	153	1.28	-
AV	2.4564G	104.29	Inf	-Inf	31.09	3	Horizontal	153	1.28	-
PK	2.4836G	66.39	74.00	-7.61	31.17	3	Horizontal	153	1.28	-
AV	2.483502G	48.39	54.00	-5.61	31.17	3	Horizontal	153	1.28	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

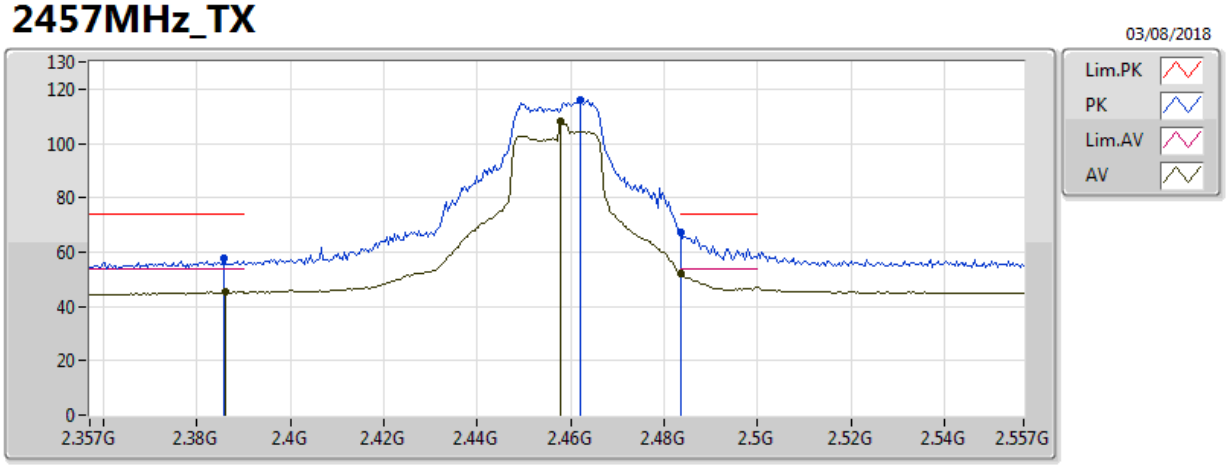


EUT Z_2TX
Setting 22.5
01-K-3
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3858G	57.57	74.00	-16.43	30.97	3	Vertical	44	1.48	-
AV	2.3866G	45.02	54.00	-8.98	30.97	3	Vertical	44	1.48	-
PK	2.463G	117.09	Inf	-Inf	31.11	3	Vertical	44	1.48	-
AV	2.461G	105.77	Inf	-Inf	31.11	3	Vertical	44	1.48	-
PK	2.485G	68.55	74.00	-5.45	31.17	3	Vertical	44	1.48	-
AV	2.483502G	53.07	54.00	-0.93	31.17	3	Vertical	44	1.48	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

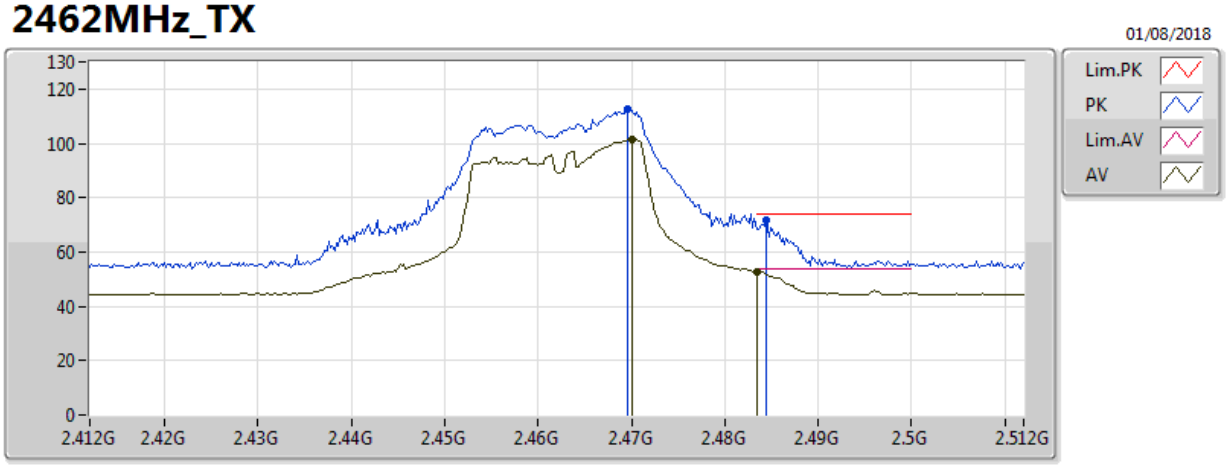


EUT Z_2TX
Setting 22.5
01-K-3
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3858G	57.95	74.00	-16.05	30.97	3	Horizontal	157	1.02	-
AV	2.3862G	45.33	54.00	-8.67	30.97	3	Horizontal	157	1.02	-
PK	2.4622G	115.95	Inf	-Inf	31.11	3	Horizontal	157	1.02	-
AV	2.4578G	107.90	Inf	-Inf	31.10	3	Horizontal	157	1.02	-
PK	2.483502G	67.05	74.00	-6.95	31.17	3	Horizontal	157	1.02	-
AV	2.483502G	52.01	54.00	-1.99	31.17	3	Horizontal	157	1.02	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

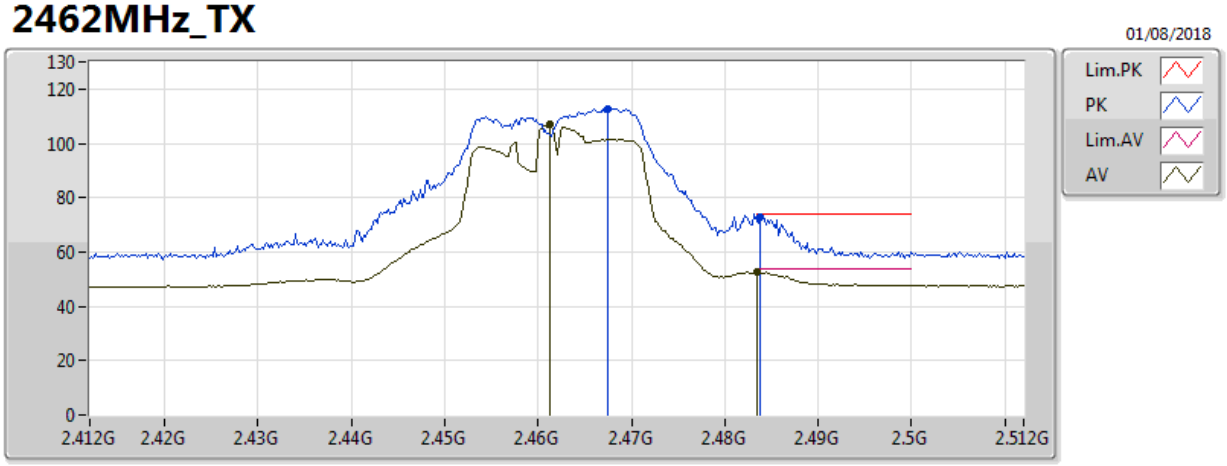


EUT Z_2TX
Setting 19
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4696G	112.50	Inf	-Inf	31.13	3	Vertical	51	1.50	-
AV	2.47G	101.67	Inf	-Inf	31.13	3	Vertical	51	1.50	-
PK	2.4844G	71.84	74.00	-2.16	31.17	3	Vertical	51	1.50	-
AV	2.483502G	52.73	54.00	-1.27	31.17	3	Vertical	51	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

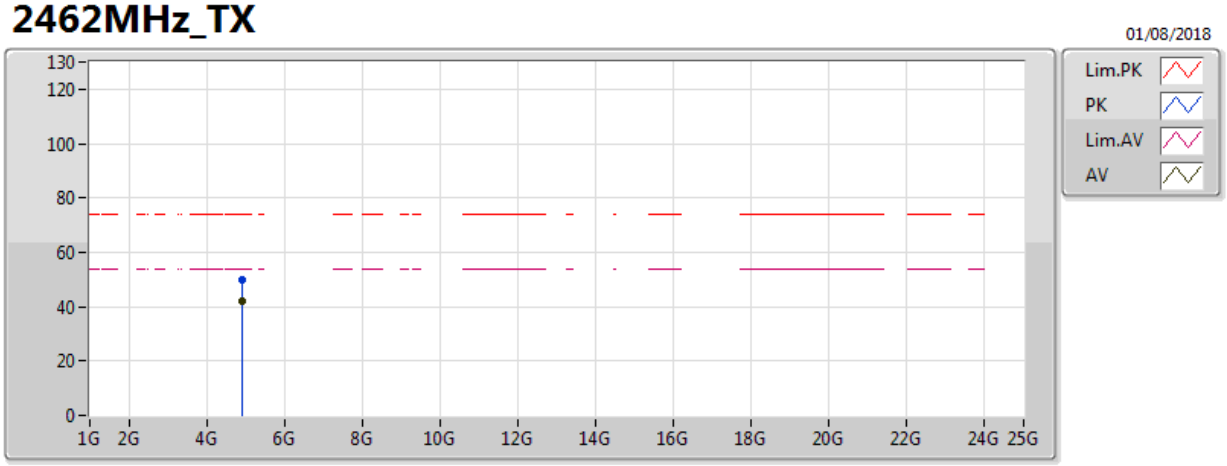


EUT Z_2TX
Setting 19
02-R-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4674G	112.84	Inf	-Inf	31.69	3	Horizontal	34	1.47	-
AV	2.4612G	106.75	Inf	-Inf	31.68	3	Horizontal	34	1.47	-
PK	2.4838G	72.88	74.00	-1.12	31.73	3	Horizontal	34	1.47	-
AV	2.483502G	52.88	54.00	-1.12	31.73	3	Horizontal	34	1.47	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

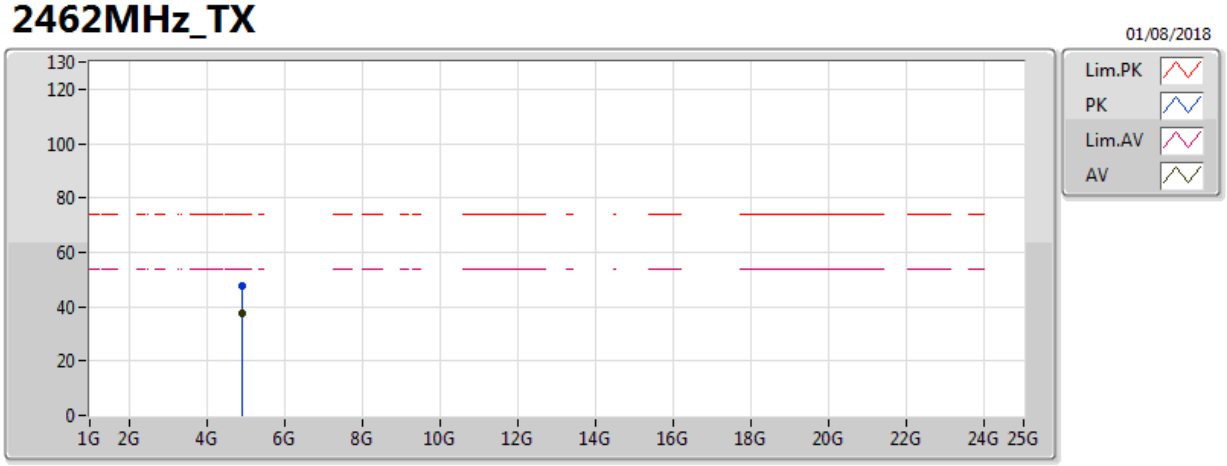


EUT Z_2TX
Setting 19
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.924G	49.73	74.00	-24.27	4.40	3	Vertical	358	1.30	-
AV	4.92404G	41.94	54.00	-12.06	4.40	3	Vertical	358	1.30	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

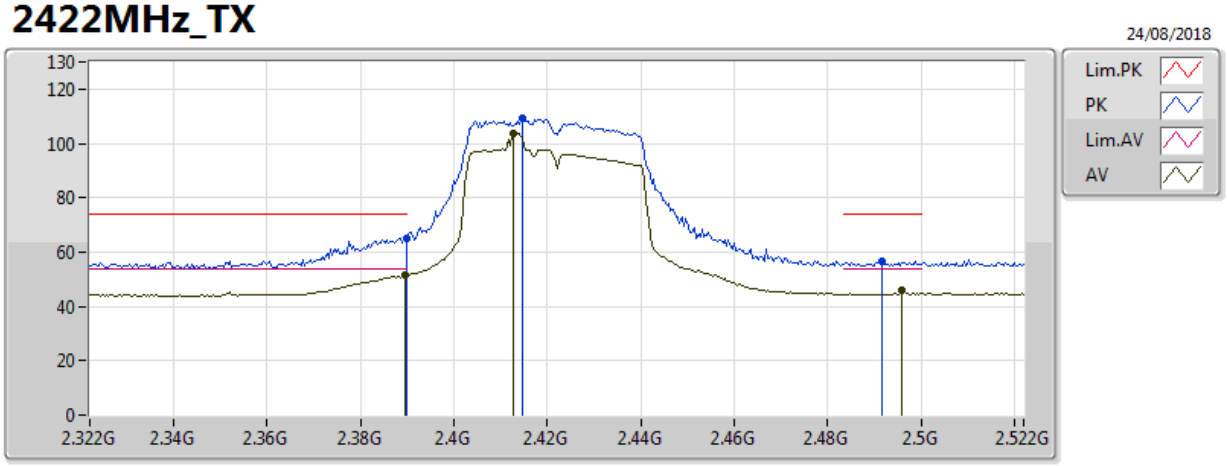


EUT Z_2TX
Setting 19
01-K-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92416G	47.36	74.00	-26.64	4.40	3	Horizontal	129	1.00	-
AV	4.924G	37.39	54.00	-16.61	4.40	3	Horizontal	129	1.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

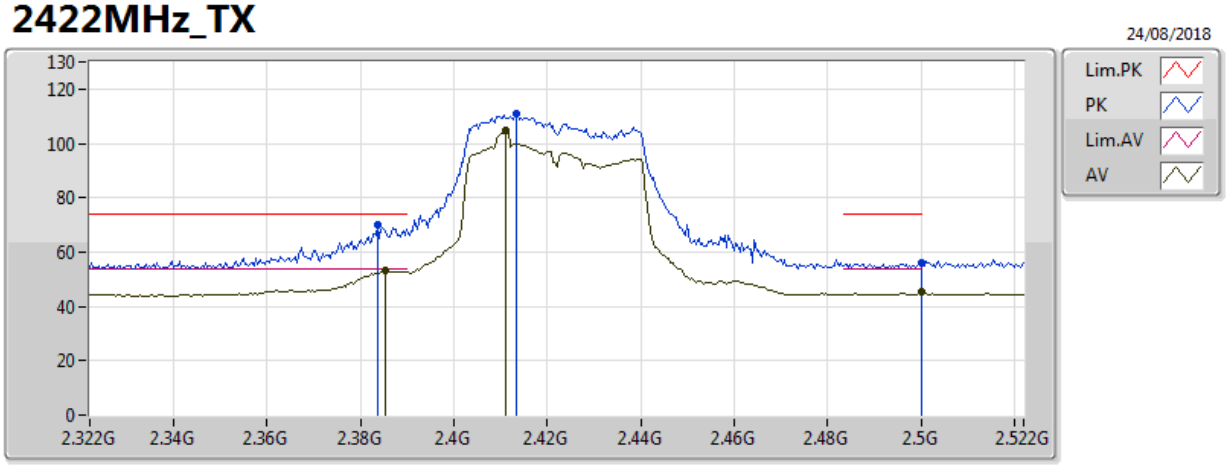


EUT Z_2TX
Setting 17.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	65.26	74.00	-8.74	30.97	3	Vertical	3	1.47	-
AV	2.3896G	51.59	54.00	-2.41	30.97	3	Vertical	3	1.47	-
PK	2.4148G	109.16	Inf	-Inf	30.97	3	Vertical	3	1.47	-
AV	2.4128G	103.79	Inf	-Inf	30.97	3	Vertical	3	1.47	-
PK	2.4916G	56.51	74.00	-17.49	31.19	3	Vertical	3	1.47	-
AV	2.496G	46.16	54.00	-7.84	31.21	3	Vertical	3	1.47	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

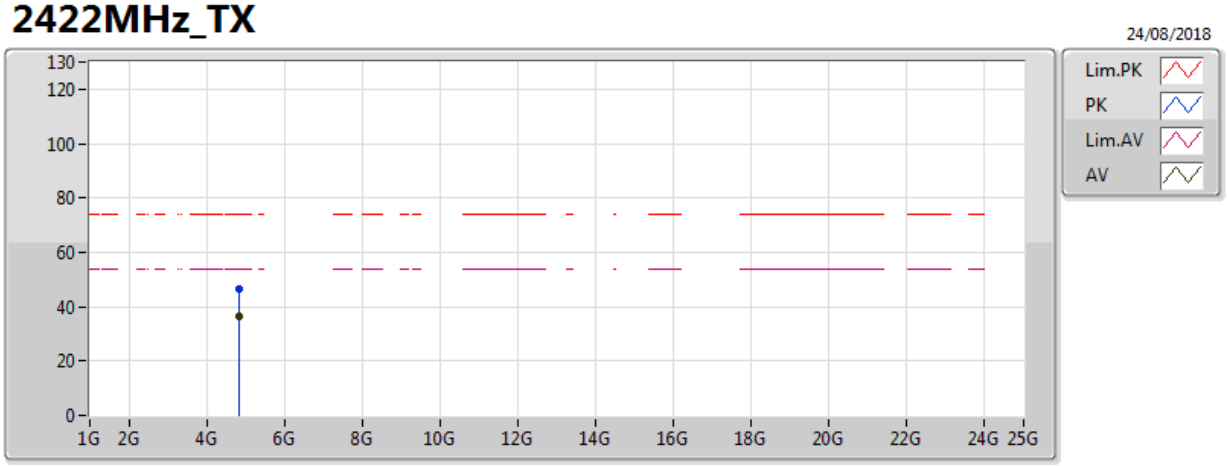


EUT Z_2TX
Setting 17.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3836G	70.27	74.00	-3.73	30.97	3	Horizontal	327	1.01	-
AV	2.3852G	53.04	54.00	-0.96	30.97	3	Horizontal	327	1.01	-
PK	2.4132G	110.67	Inf	-Inf	30.97	3	Horizontal	327	1.01	-
AV	2.4112G	104.83	Inf	-Inf	30.96	3	Horizontal	327	1.01	-
PK	2.499998G	56.11	74.00	-17.89	31.22	3	Horizontal	327	1.01	-
AV	2.499998G	45.34	54.00	-8.66	31.22	3	Horizontal	327	1.01	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

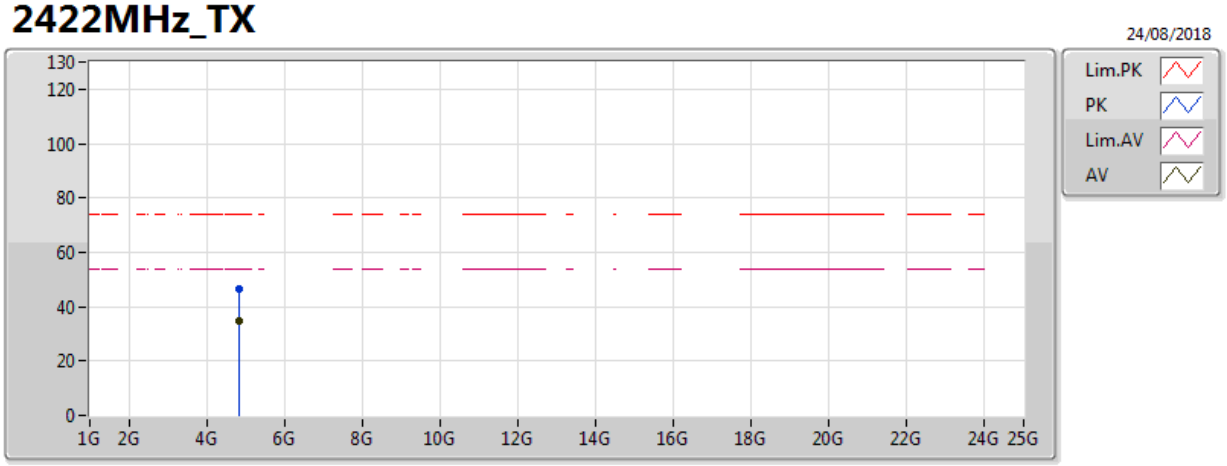


EUT Z_2TX
Setting 17.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84414G	46.61	74.00	-27.39	4.08	3	Vertical	343	1.00	-
AV	4.84398G	36.19	54.00	-17.81	4.08	3	Vertical	343	1.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

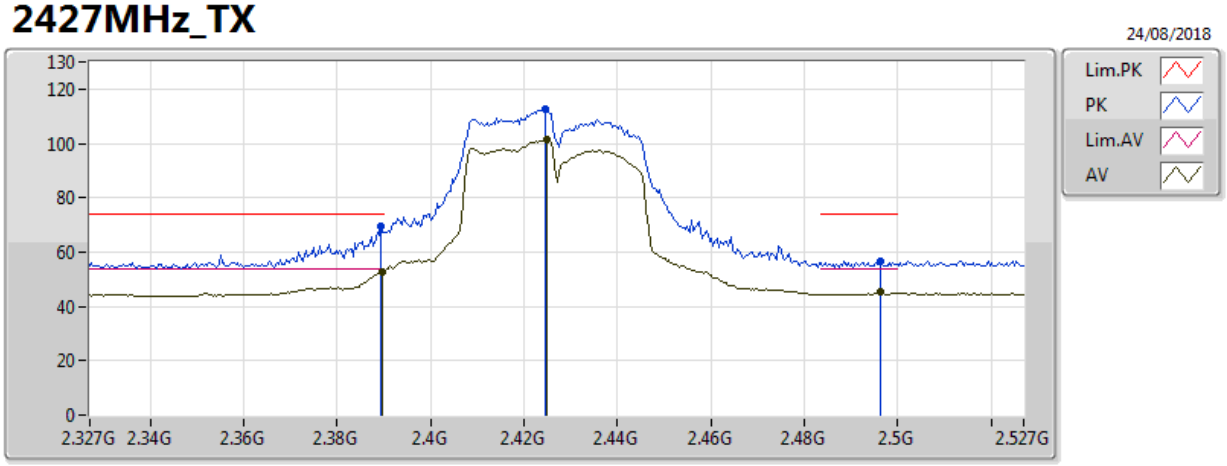


EUT Z_2TX
Setting 17.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84406G	46.50	74.00	-27.50	4.08	3	Horizontal	135	1.00	-
AV	4.84402G	34.71	54.00	-19.29	4.08	3	Horizontal	135	1.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2427MHz_TX

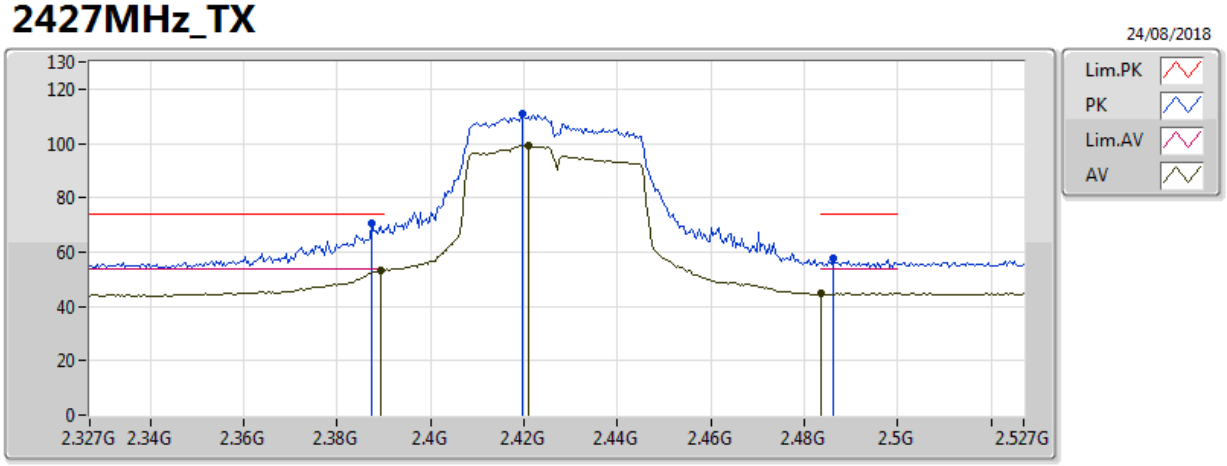


EUT Z_2TX
Setting 18
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	69.44	74.00	-4.56	30.97	3	Vertical	267	1.49	-
AV	2.3898G	52.94	54.00	-1.06	30.97	3	Vertical	267	1.49	-
PK	2.4246G	112.44	Inf	-Inf	31.00	3	Vertical	267	1.49	-
AV	2.425G	101.37	Inf	-Inf	31.00	3	Vertical	267	1.49	-
PK	2.4962G	56.68	74.00	-17.32	31.21	3	Vertical	267	1.49	-
AV	2.4962G	45.59	54.00	-8.41	31.21	3	Vertical	267	1.49	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2427MHz_TX

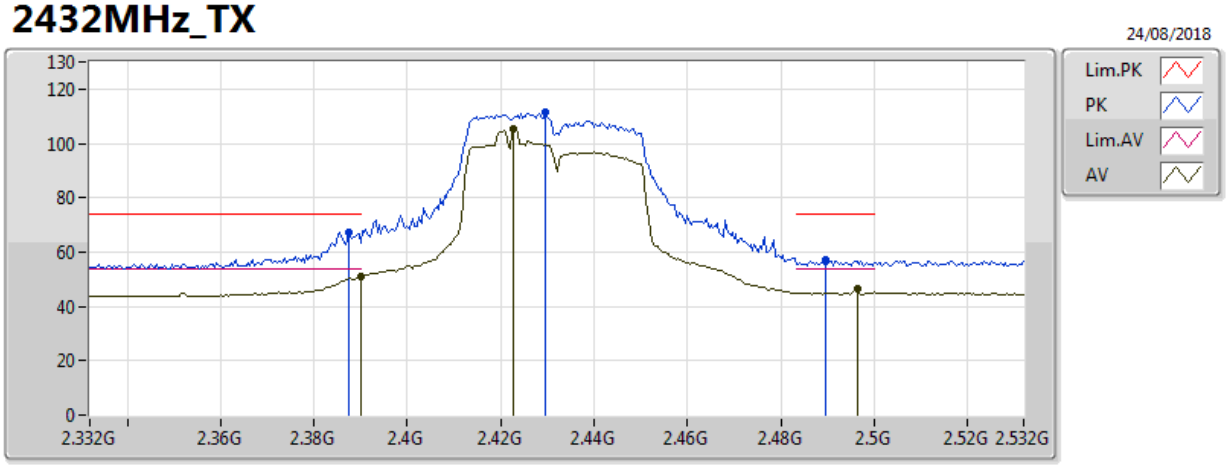


EUT Z_2TX
Setting 18
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3874G	70.67	74.00	-3.33	30.97	3	Horizontal	171	1.50	-
AV	2.3894G	53.13	54.00	-0.87	30.97	3	Horizontal	171	1.50	-
PK	2.4198G	111.04	Inf	-Inf	30.99	3	Horizontal	171	1.50	-
AV	2.421G	99.06	Inf	-Inf	30.99	3	Horizontal	171	1.50	-
PK	2.4862G	57.70	74.00	-16.30	31.18	3	Horizontal	171	1.50	-
AV	2.483502G	44.86	54.00	-9.14	31.17	3	Horizontal	171	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2432MHz_TX

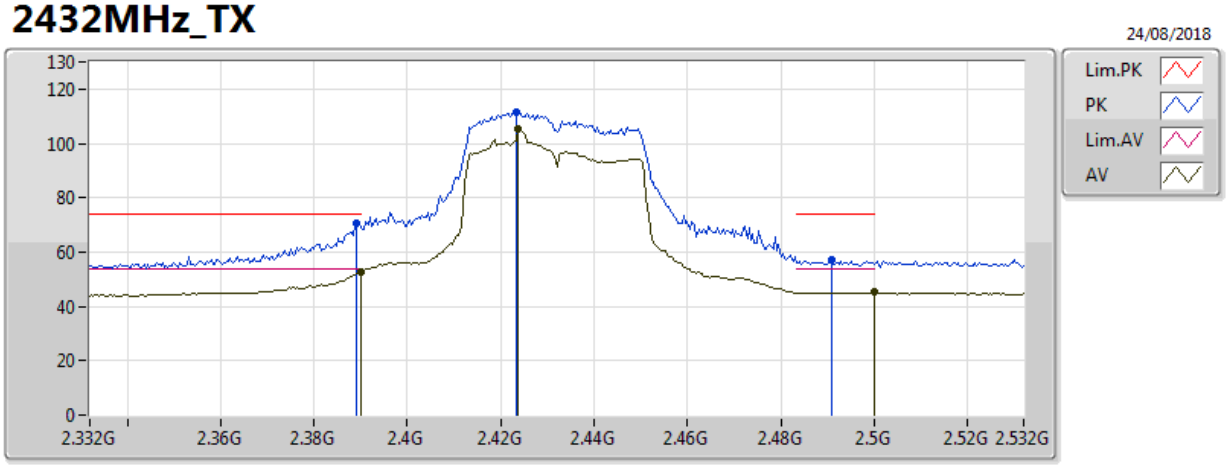


EUT Z_2TX
Setting 18.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	67.23	74.00	-6.77	30.97	3	Vertical	1	1.50	-
AV	2.389998G	51.22	54.00	-2.78	30.97	3	Vertical	1	1.50	-
PK	2.4296G	111.29	Inf	-Inf	31.02	3	Vertical	1	1.50	-
AV	2.4228G	105.16	Inf	-Inf	31.00	3	Vertical	1	1.50	-
PK	2.4896G	57.40	74.00	-16.60	31.19	3	Vertical	1	1.50	-
AV	2.4964G	46.33	54.00	-7.67	31.21	3	Vertical	1	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2432MHz_TX

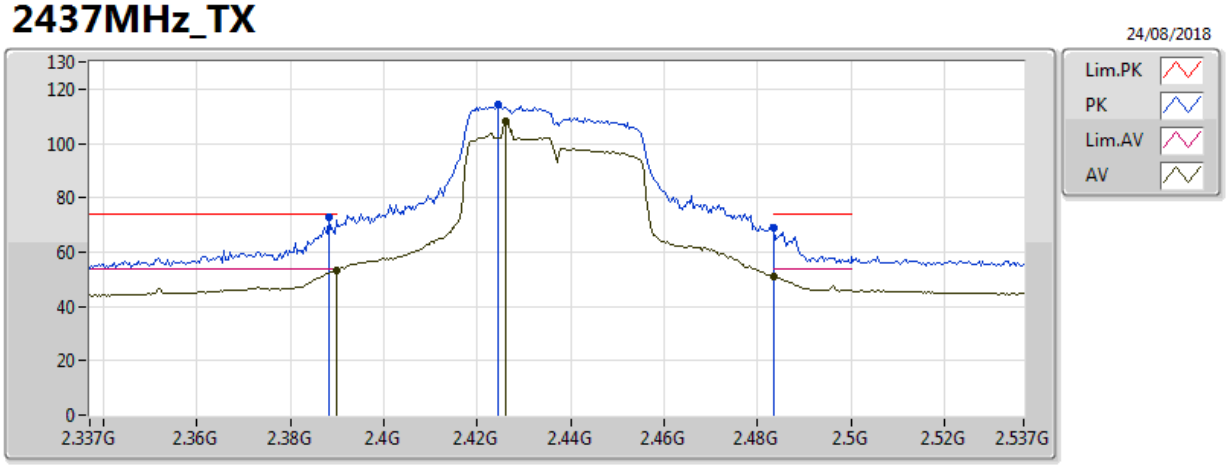


EUT Z_2TX
Setting 18.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	70.67	74.00	-3.33	30.97	3	Horizontal	177	1.50	-
AV	2.389998G	52.51	54.00	-1.49	30.97	3	Horizontal	177	1.50	-
PK	2.4232G	111.67	Inf	-Inf	31.00	3	Horizontal	177	1.50	-
AV	2.4236G	105.61	Inf	-Inf	31.00	3	Horizontal	177	1.50	-
PK	2.4908G	57.13	74.00	-16.87	31.19	3	Horizontal	177	1.50	-
AV	2.499998G	45.36	54.00	-8.64	31.22	3	Horizontal	177	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

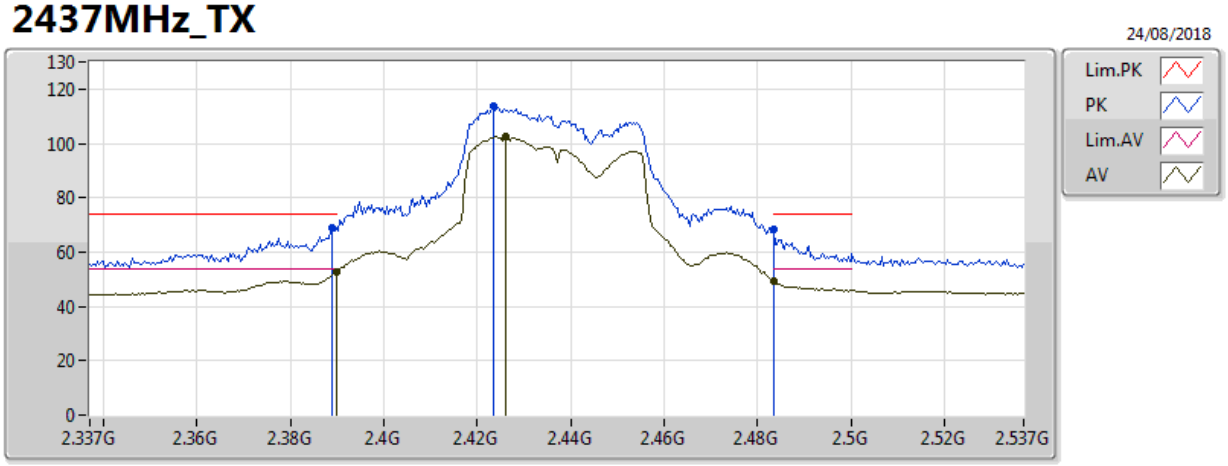


EUT Z_2TX
Setting 20.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	72.86	74.00	-1.14	30.97	3	Vertical	315	1.21	-
AV	2.3898G	53.33	54.00	-0.67	30.97	3	Vertical	315	1.21	-
PK	2.4246G	114.27	Inf	-Inf	31.00	3	Vertical	315	1.21	-
AV	2.4262G	108.21	Inf	-Inf	31.01	3	Vertical	315	1.21	-
PK	2.483502G	68.71	74.00	-5.29	31.17	3	Vertical	315	1.21	-
AV	2.483502G	51.16	54.00	-2.84	31.17	3	Vertical	315	1.21	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

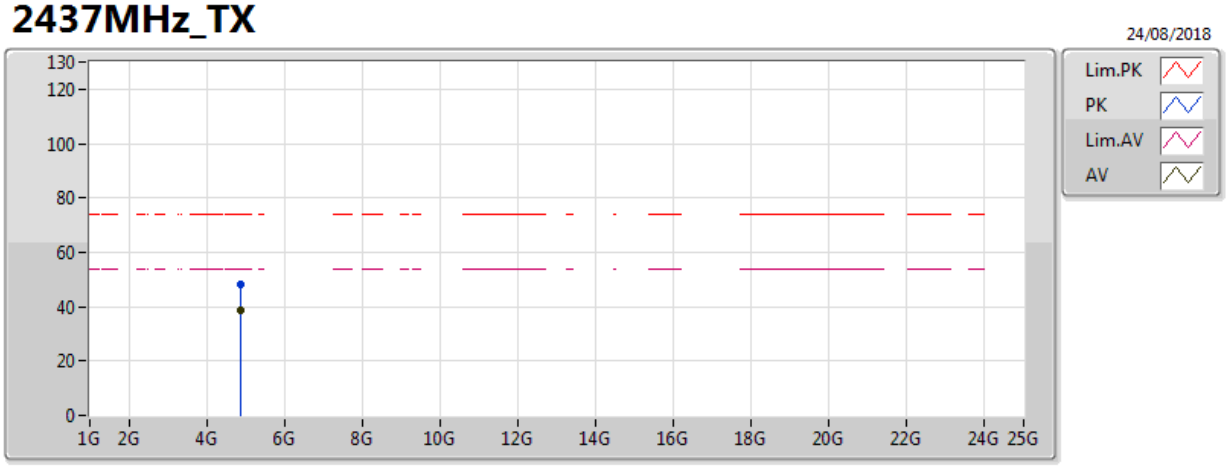


EUT Z_2TX
Setting 20.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	69.18	74.00	-4.82	30.97	3	Horizontal	250	1.50	-
AV	2.3898G	52.69	54.00	-1.31	30.97	3	Horizontal	250	1.50	-
PK	2.4234G	113.93	Inf	-Inf	31.00	3	Horizontal	250	1.50	-
AV	2.4262G	102.50	Inf	-Inf	31.01	3	Horizontal	250	1.50	-
PK	2.483502G	68.57	74.00	-5.43	31.17	3	Horizontal	250	1.50	-
AV	2.483502G	49.33	54.00	-4.67	31.17	3	Horizontal	250	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

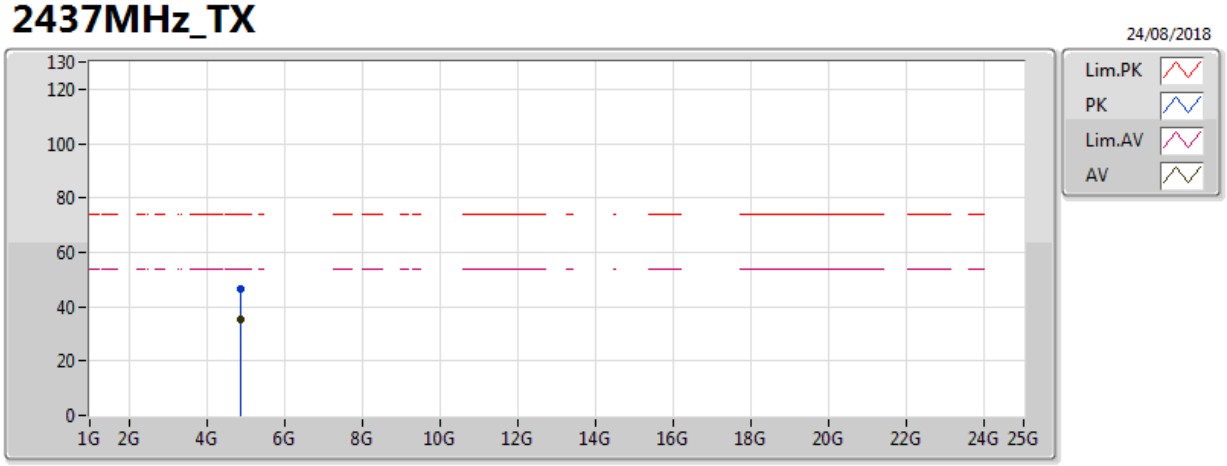


EUT Z_2TX
Setting 20.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87396G	48.33	74.00	-25.67	4.20	3	Vertical	349	1.00	-
AV	4.87404G	38.58	54.00	-15.42	4.20	3	Vertical	349	1.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

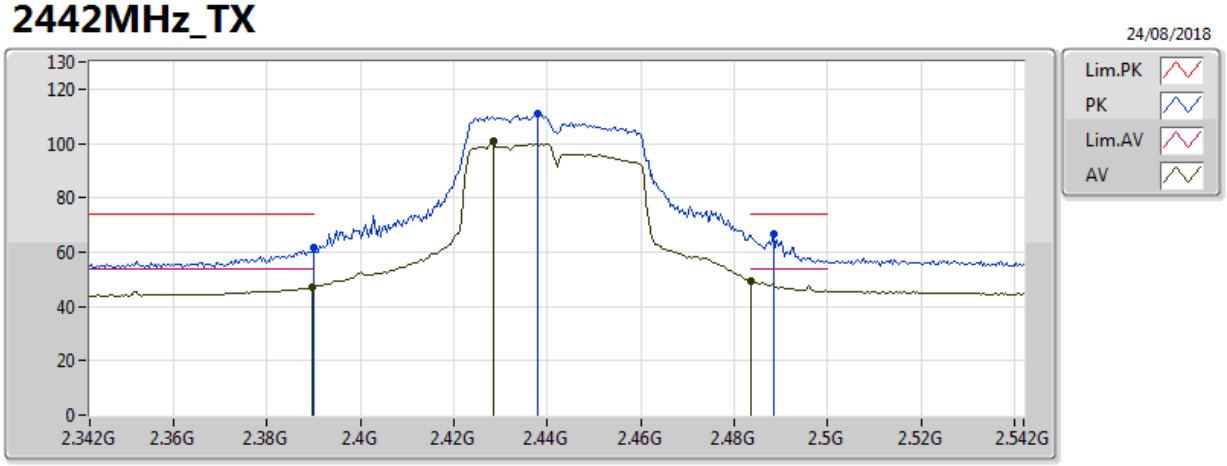


EUT Z_2TX
Setting 20.5
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87402G	46.36	74.00	-27.64	4.20	3	Horizontal	134	1.00	-
AV	4.87408G	35.43	54.00	-18.57	4.20	3	Horizontal	134	1.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2442MHz_TX

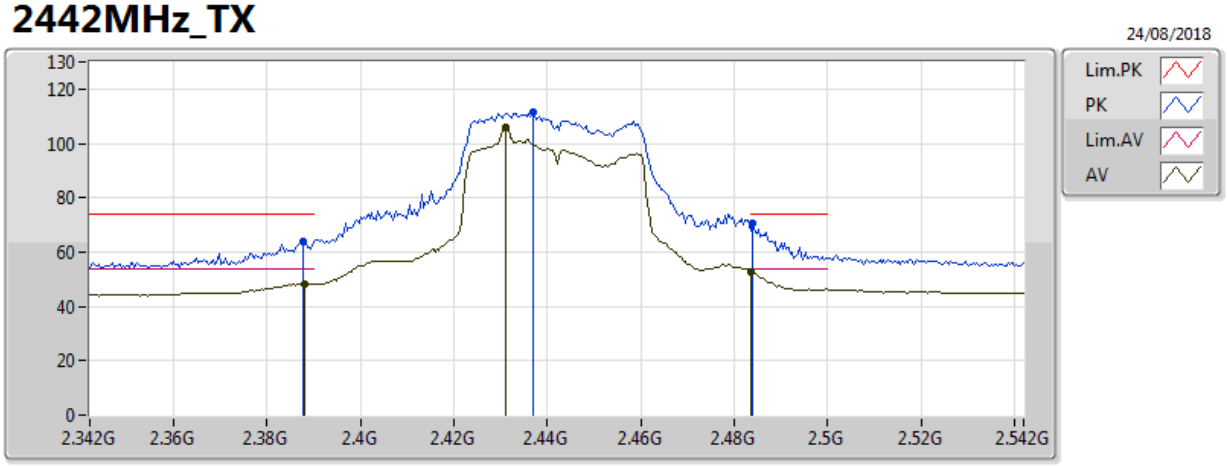


EUT Z_2TX
Setting 19
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	61.58	74.00	-12.42	30.97	3	Vertical	0	1.41	-
AV	2.3896G	47.03	54.00	-6.97	30.97	3	Vertical	0	1.41	-
PK	2.438G	110.97	Inf	-Inf	31.04	3	Vertical	0	1.41	-
AV	2.4284G	100.70	Inf	-Inf	31.01	3	Vertical	0	1.41	-
PK	2.4884G	66.84	74.00	-7.16	31.19	3	Vertical	0	1.41	-
AV	2.483502G	49.22	54.00	-4.78	31.17	3	Vertical	0	1.41	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2442MHz_TX

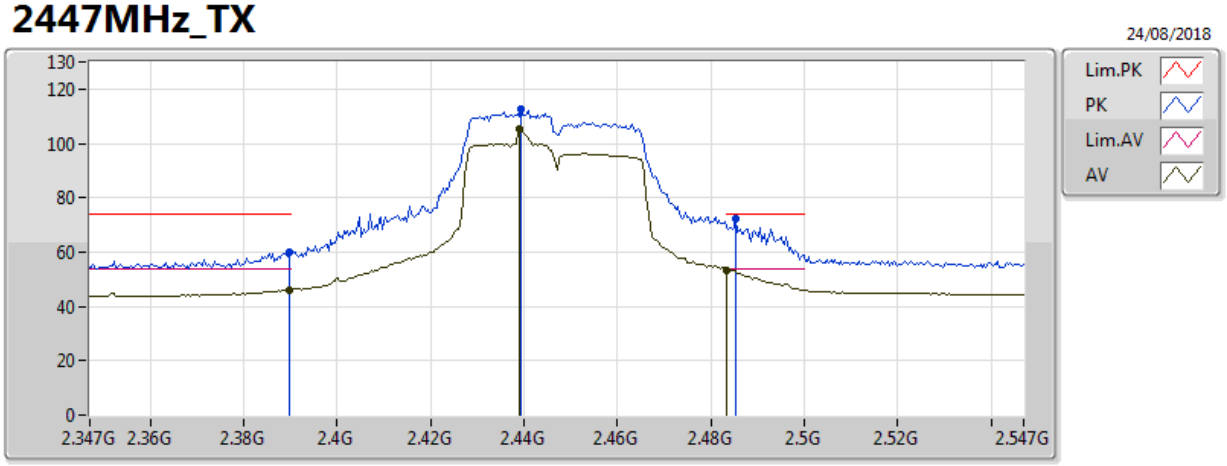


EUT Z_2TX
Setting 19
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	63.73	74.00	-10.27	30.97	3	Horizontal	326	1.13	-
AV	2.388G	48.18	54.00	-5.82	30.97	3	Horizontal	326	1.13	-
PK	2.4368G	111.48	Inf	-Inf	31.04	3	Horizontal	326	1.13	-
AV	2.4312G	106.14	Inf	-Inf	31.02	3	Horizontal	326	1.13	-
PK	2.484G	70.36	74.00	-3.64	31.17	3	Horizontal	326	1.13	-
AV	2.483502G	52.48	54.00	-1.52	31.17	3	Horizontal	326	1.13	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

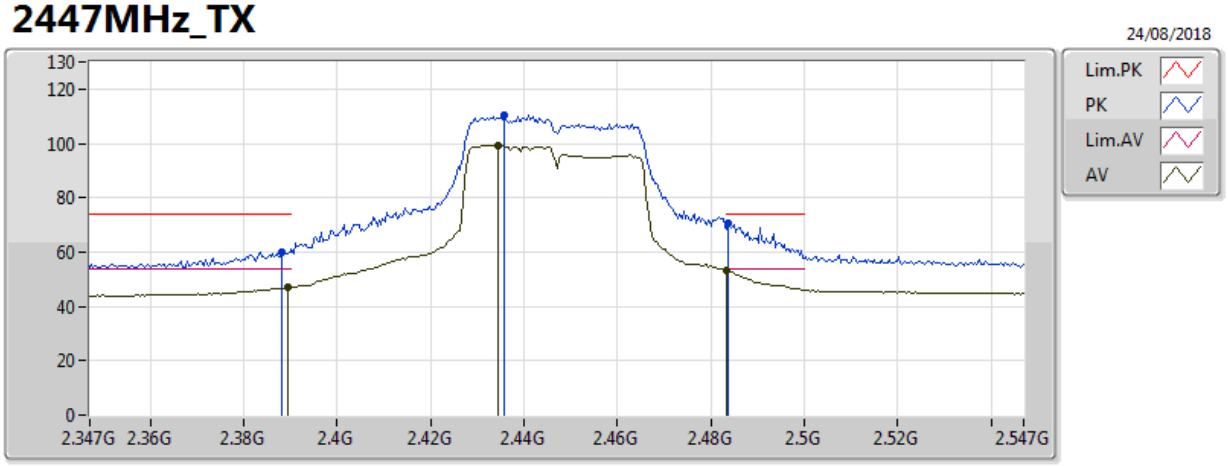


EUT Z_2TX
Setting 19
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	59.86	74.00	-14.14	30.97	3	Vertical	348	1.22	-
AV	2.3898G	46.18	54.00	-7.82	30.97	3	Vertical	348	1.22	-
PK	2.4394G	112.35	Inf	-Inf	31.04	3	Vertical	348	1.22	-
AV	2.439G	105.12	Inf	-Inf	31.04	3	Vertical	348	1.22	-
PK	2.4854G	72.54	74.00	-1.46	31.18	3	Vertical	348	1.22	-
AV	2.483502G	53.42	54.00	-0.58	31.17	3	Vertical	348	1.22	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2447MHz_TX

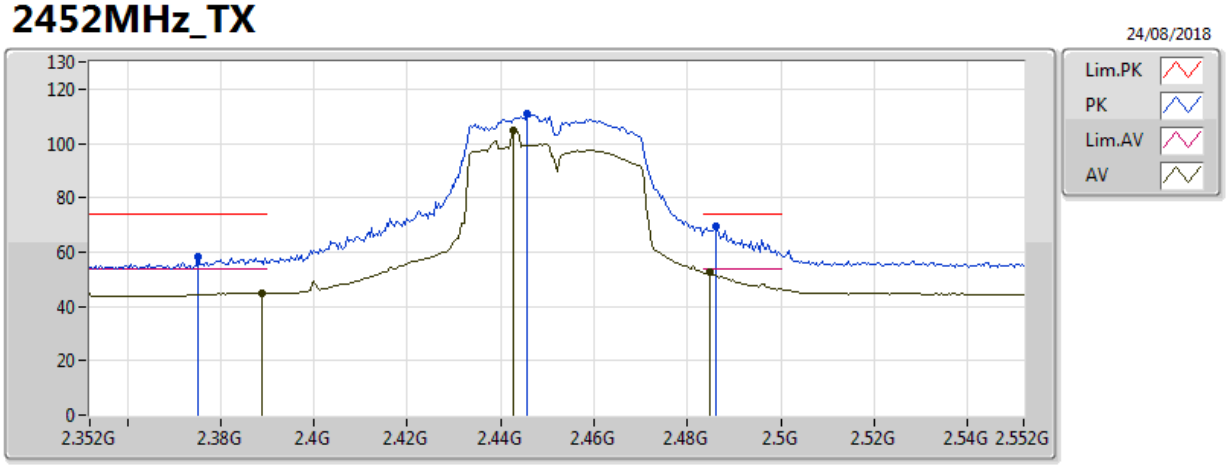


EUT Z_2TX
Setting 19
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	60.20	74.00	-13.80	30.97	3	Horizontal	169	2.99	-
AV	2.3894G	46.87	54.00	-7.13	30.97	3	Horizontal	169	2.99	-
PK	2.4358G	110.31	Inf	-Inf	31.03	3	Horizontal	169	2.99	-
AV	2.4346G	99.41	Inf	-Inf	31.03	3	Horizontal	169	2.99	-
PK	2.4838G	70.35	74.00	-3.65	31.17	3	Horizontal	169	2.99	-
AV	2.483502G	53.23	54.00	-0.77	31.17	3	Horizontal	169	2.99	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

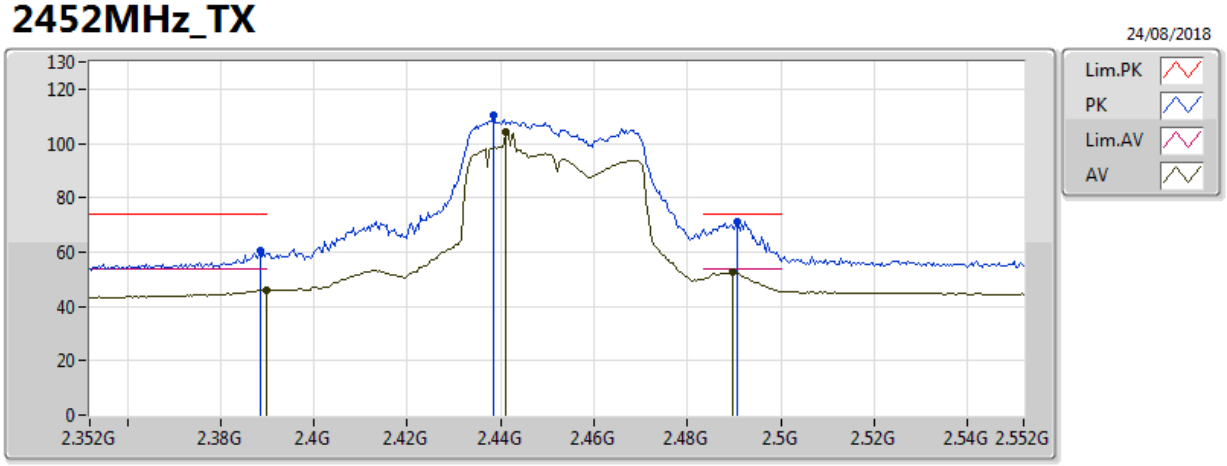


EUT Z_2TX
Setting 18
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3752G	58.06	74.00	-15.94	31.01	3	Vertical	21	1.49	-
AV	2.3888G	45.04	54.00	-8.96	30.97	3	Vertical	21	1.49	-
PK	2.4456G	110.85	Inf	-Inf	31.06	3	Vertical	21	1.49	-
AV	2.4428G	104.52	Inf	-Inf	31.05	3	Vertical	21	1.49	-
PK	2.486G	69.23	74.00	-4.77	31.18	3	Vertical	21	1.49	-
AV	2.4848G	52.89	54.00	-1.11	31.17	3	Vertical	21	1.49	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

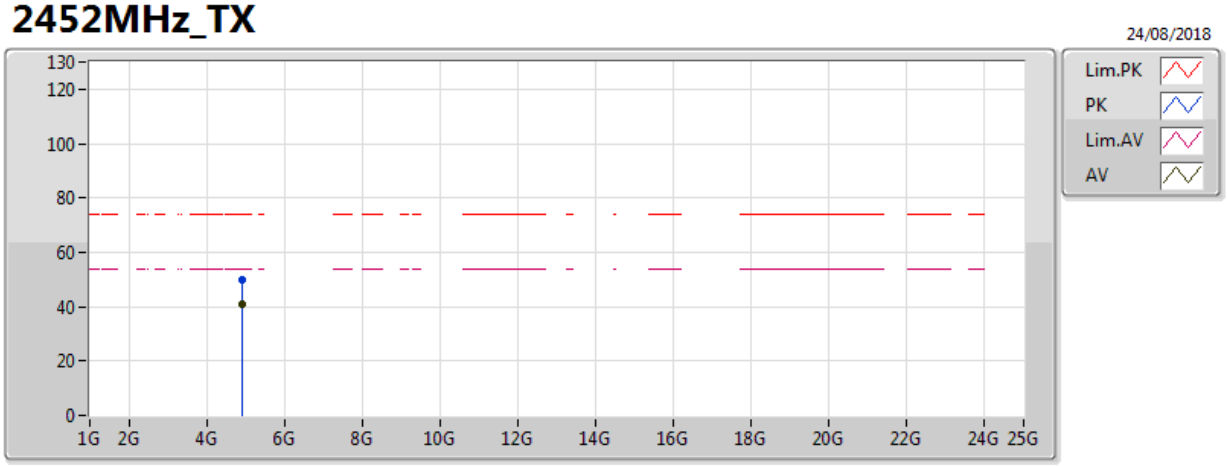


EUT Z_2TX
Setting 18
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	60.51	74.00	-13.49	30.97	3	Horizontal	241	2.91	-
AV	2.389998G	46.01	54.00	-7.99	30.97	3	Horizontal	241	2.91	-
PK	2.4384G	110.60	Inf	-Inf	31.04	3	Horizontal	241	2.91	-
AV	2.4412G	104.10	Inf	-Inf	31.05	3	Horizontal	241	2.91	-
PK	2.4908G	71.04	74.00	-2.96	31.19	3	Horizontal	241	2.91	-
AV	2.4896G	52.67	54.00	-1.33	31.19	3	Horizontal	241	2.91	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

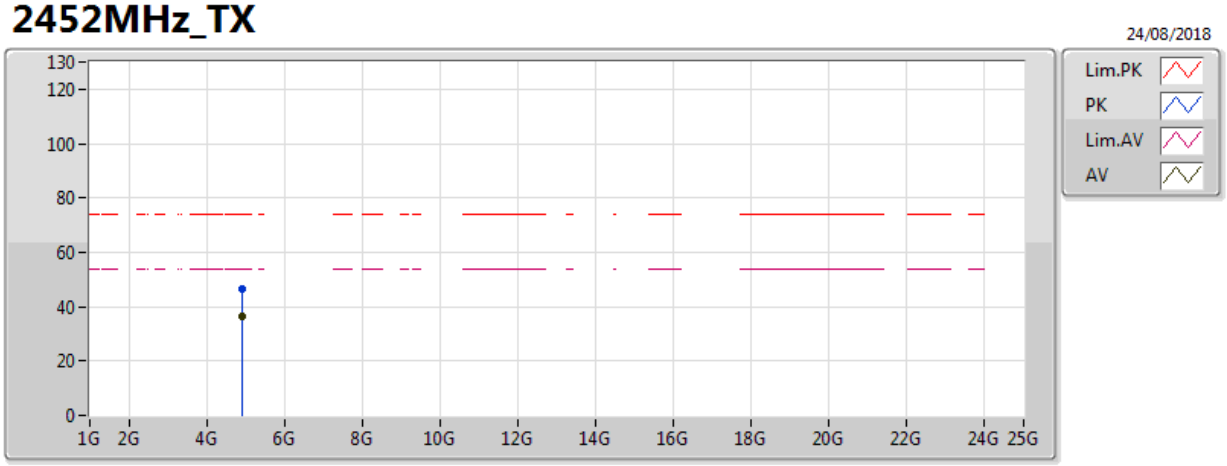


EUT Z_2TX
Setting 18
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90402G	49.67	74.00	-24.33	4.33	3	Vertical	360	1.30	-
AV	4.90398G	40.91	54.00	-13.09	4.33	3	Vertical	360	1.30	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

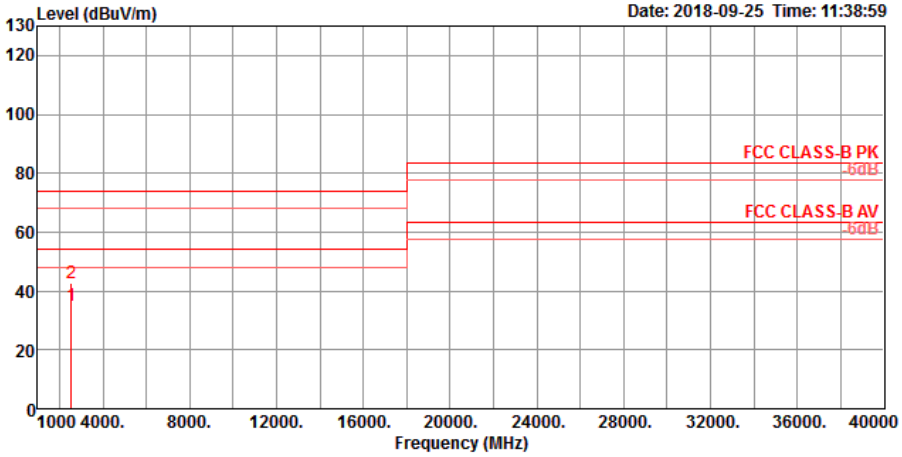
2452MHz_TX



EUT Z_2TX
Setting 18
01-C-4
FSP(100304)

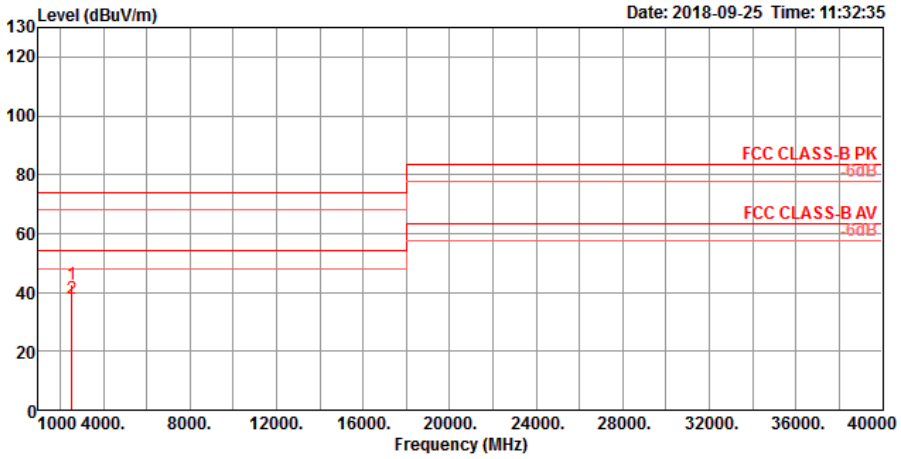
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90394G	46.62	74.00	-27.38	4.33	3	Horizontal	138	1.00	-
AV	4.904G	36.32	54.00	-17.68	4.33	3	Horizontal	138	1.00	-

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	2560.48	34.90	54.00	-19.10	40.44	3.78	27.47	36.79	112	194	Average	HORIZONTAL
2	2561.51	42.46	74.00	-31.54	48.00	3.78	27.47	36.79	112	194	Peak	HORIZONTAL

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2559.97	42.88	74.00	-31.12	48.42	3.78	27.47	36.79	100	102	Peak	VERTICAL
2	2560.12	37.97	54.00	-16.03	43.51	3.78	27.47	36.79	100	102	Average	VERTICAL