FCC RADIO TEST REPORT

FCC ID	:	**UIDW31**
Equipment	:	**W31**
Brand Name	:	**ARRIS**
Model Name	:	**W31**
Applicant	:	**ARRIS** **3871 Lakefield Drive Suite 300,Suwanee, Georgia, 30024 United States**
Manufacturer	:	**ARRIS** **3871 Lakefield Drive Suite 300,Suwanee, Georgia, 30024 United States**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Mar. 26, 2018, and testing was started from Mar. 26, 2018 and completed on May 07, 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
FR842742AA	01	Initial issue of report	Jun. 28, 2018
FR842742AA	02	Updating photographs of EUT version to “Version 2” from “Version 1”	Jul. 17, 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: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), 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	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11ac VHT20	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	802.11ac VHT40	40	4TX

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)
1	PEGATRON	RFPCA2620-01_Rev02	Dual band PCB dipole antenna	I-PEX	Note
2	PEGATRON	RFPCA2620-02_Rev02	Dual band PCB dipole antenna	I-PEX	
3	PEGATRON	RFPCA2620-03_Rev01	Dual band PCB dipole antenna	I-PEX	
4	PEGATRON	RFPCA2620-04_Rev02	Dual band PCB dipole antenna	I-PEX	
5	PEGATRON	RFPCA2307-02 Rev02	PCB dipole antenna	I-PEX	
6	PEGATRON	RFPCA2211-03 Rev01	PCB dipole antenna	I-PEX	
7	PEGATRON	RFPCA2211-04 Rev02	PCB dipole antenna	I-PEX	
8	PEGATRON	RFPCA1806-03 Rev01	PCB dipole antenna	I-PEX	
9	PEGATRON	RFPCA3508-05_Rev02	PCB antenna	I-PEX	
10	PEGATRON	RFPCA1806-03 Rev01	PCB dipole antenna	I-PEX	

Note:

Ant.	Port	Uncorrelated (dBi)			Correlated (dBi)			(dBi)
		2.4G	5G B1	5G B4	2.4G	5G B1	5G B4	Bluetooth
1	1	4.22	5.71	-	5.35	6.23		-
2	2	4.22	5.71	-	5.35	6.23		-
3	3	4.22	5.71	-	5.35	6.23		-
4	4	4.22	5.71	-	5.35	6.23		-
5	1	-	-	5.82	-	-	6.93	-
6	2	-	-	5.82	-	-	6.93	-
7	3	-	-	5.82	-	-	6.93	-
8	4	-	-	5.82	-	-	6.93	-
9	1	-	-	-	-	-	-	4.12
10	-	-	5.23	5.23	-	-	-	-

Note: The EUT has ten antennas.

For Radio 1

2.4GHz Functions

For IEEE 802.11b/g/n/ac mode (4TX, 4RX):

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

5GHz Functions (1RX):

The EUT only supports the antenna receive function.

For Radio 3

5GHz B1 Functions

For IEEE 802.11a/n/ac mode (4TX, 4RX):

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

For Radio 2

5GHz B4 Functions

For IEEE 802.11a/n/ac mode (4TX, 4RX):

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

For Radio 4

Bluetooth Functions (1TX, 1RX):

Only Port 1 could transmit/receive simultaneously.

1.1.3 Table for radio type

Radio No.	2.4G	5G B1	5G B4	BT
Radio 1	V	Only RX function	Only RX function	-
Radio 2	-	-	V	-
Radio 3	-	V	-	-
Radio 4	-	-	-	V

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.983	0.074	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.969	0.137	2.068m	1k
802.11ac VHT20	0.965	0.155	1.933m	1k
802.11ac VHT40	0.93	0.315	955u	3k

1.1.5 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	accessMTool(version 3.0.0.6)			

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v04
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
		TEL :	886-3-327-3456 FAX : 886-3-318-0055
☒	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	Stim Sung	22°C / 55%	Mar. 26, 2018 ~ May 04, 2018
Radiated below 1GHz	03CH01-CB	Joy Tseng & Cola Fan	22°C / 54%	May 04, 2018
Radiated above 1GHz	03CH01-CB	Joy Tseng & Cola Fan	22°C / 54%	Apr. 03, 2018 ~ May 07, 2018
AC Conduction	CO01-CB	Rick Yeh	24°C / 52%	May 07, 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)_4TX	-
2412MHz	88
2417MHz	88
2422MHz	88
2427MHz	88
2432MHz	88
2437MHz	89
2447MHz	88
2452MHz	89
2457MHz	89
2462MHz	89
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	83
2417MHz	95
2422MHz	96
2427MHz	96
2432MHz	96
2437MHz	96
2442MHz	96
2447MHz	96
2452MHz	96
2457MHz	96
2462MHz	87
802.11ac VHT20_Nss1,(MCS0)_4TX	-
2412MHz	81
2417MHz	87
2422MHz	95
2427MHz	97
2432MHz	97
2437MHz	96
2442MHz	97

Mode	Power Setting
2447MHz	97
2452MHz	97
2457MHz	94
2462MHz	89
802.11ac VHT40_Nss1,(MCS0)_4TX	-
2422MHz	67
2427MHz	72
2432MHz	77
2437MHz	84
2452MHz	84

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	EUT in Y axis - Radio 1 (2.4GHz)
2	EUT in Y axis - Radio 3 (5GHz B1)
3	EUT in Y axis - Radio 2 (5GHz B4)
4	EUT in Y axis - Radio 4 (Bluetooth)
For operating mode 2 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	EUT in Y axis - Radio 1 (2.4GHz)
2	EUT in Y axis - Radio 3 (5GHz B1)
3	EUT in Y axis - Radio 2 (5GHz B4)
4	EUT in Y axis - Radio 4 (Bluetooth)
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT in Y axis - Radio 1 (2.4GHz)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1 (2.4GHz) + Radio 3 (WLAN 5GHz B1)
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	Radio 1 (2.4GHz) + Radio 3 (WLAN 5GHz B1) + Radio 2 (WLAN 5GHz B4) + Radio 4 (Bluetooth)
Refer to Sporton Test Report No.: FA842742 for Co-location RF Exposure Evaluation.	

Note 1: The EUT can only be used at Y axis position.

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**P/N**	**Rating**
Adapter	APD	WA-36L12FU	AREP05681	INPUT: 100-120V ~, 60Hz, 0.9A Max OUTPUT: 12V, 3A

2.5 Support Equipment

For Test Site No: CO01-CB

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

For Test Site No: 03CH01-CB

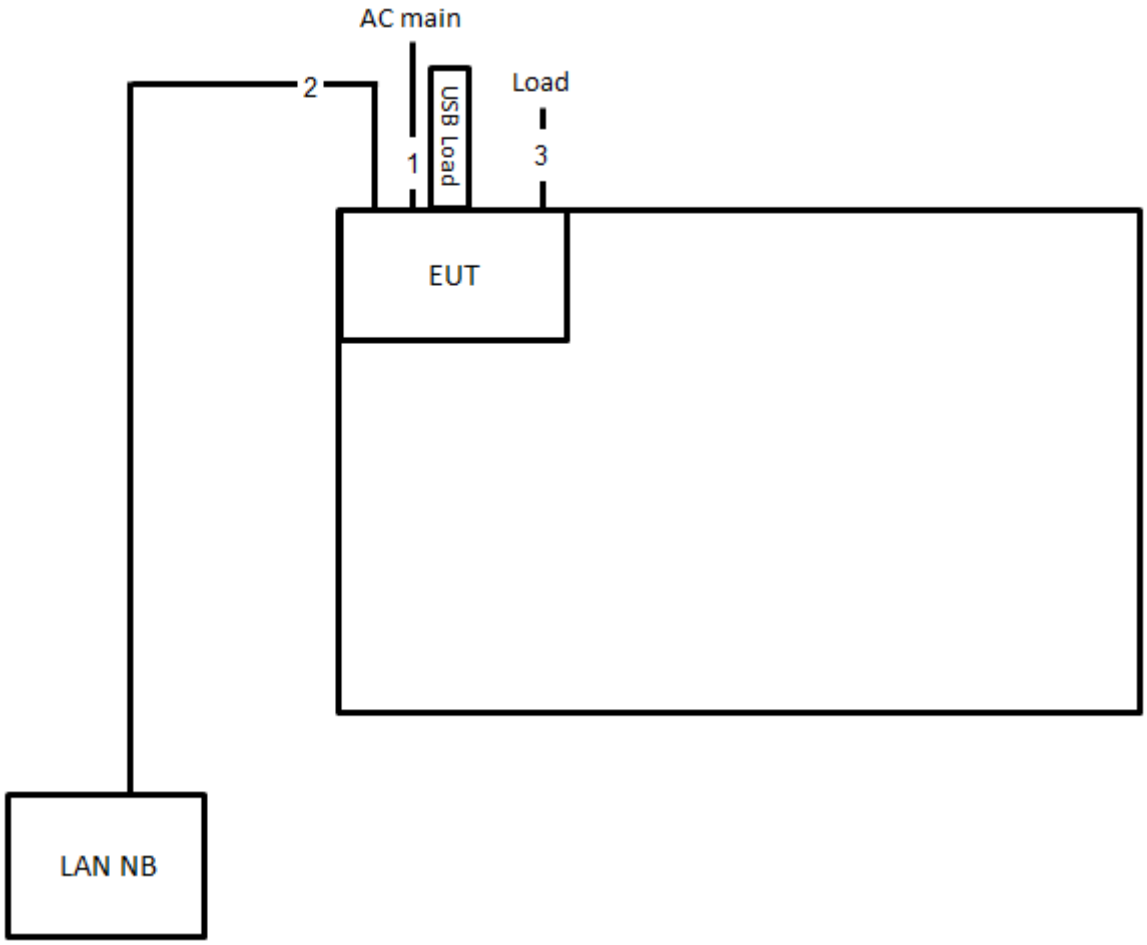
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC

For Test Site No: TH01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC

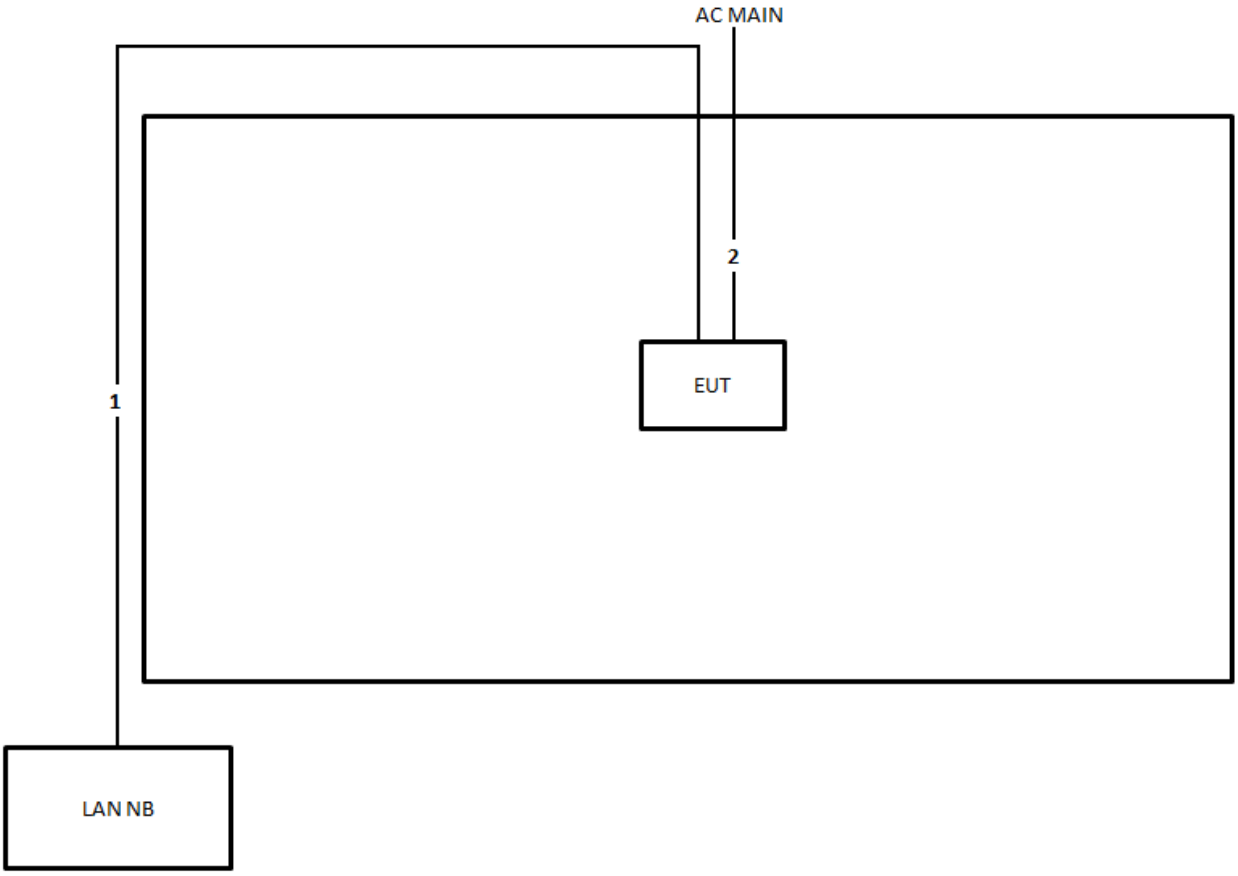
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

Test Setup Diagram - Radiated Test



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

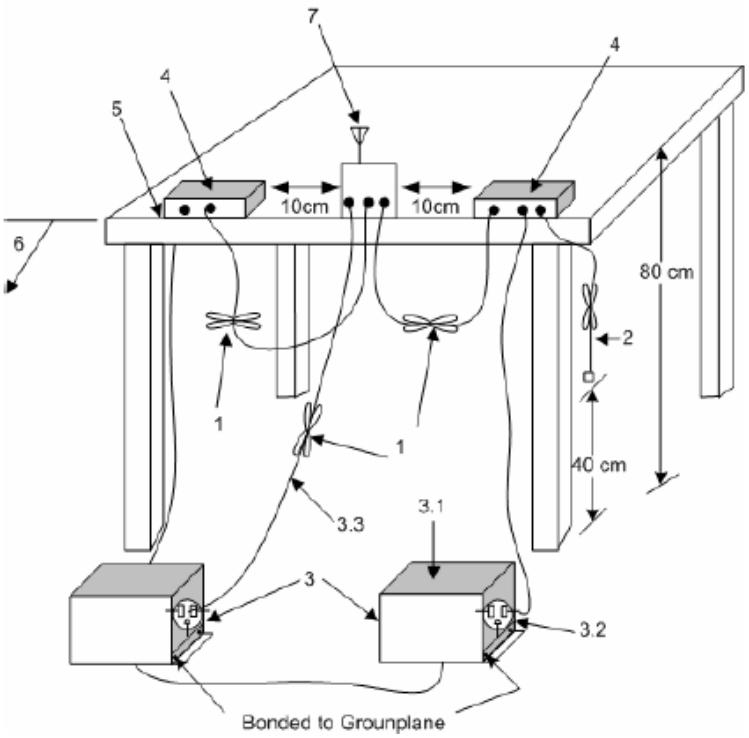
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

3.2.2 Measuring Instruments

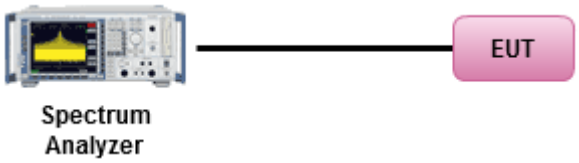
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 9.1.3 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	Measurement using a power meter (PM)
	☒ Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

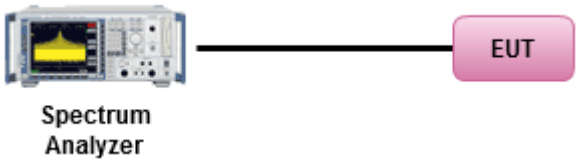
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

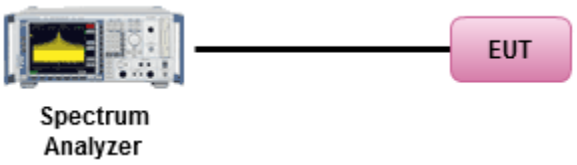
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

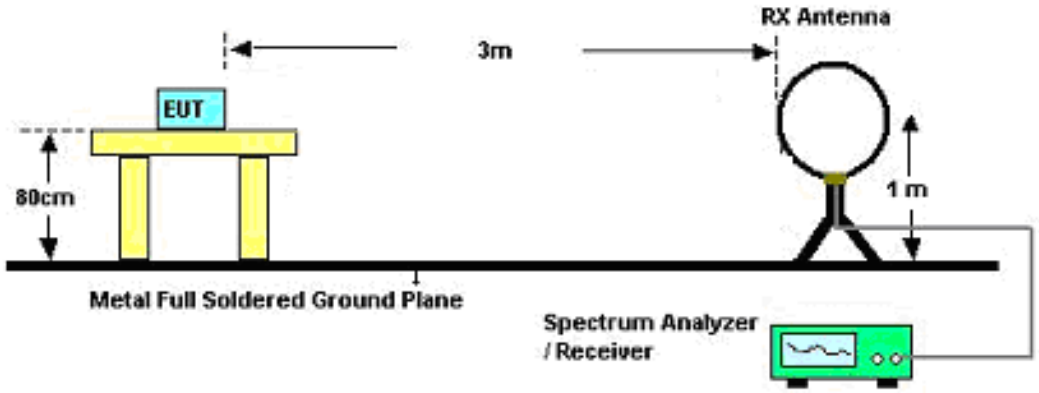
3.6.3 Test Procedures

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

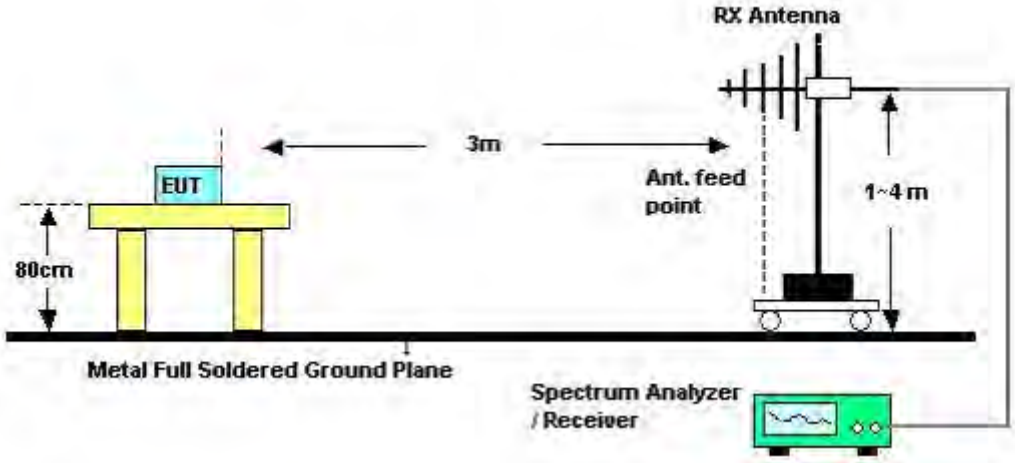
3.6.4 Test Setup

Transmitter Radiated Emissions

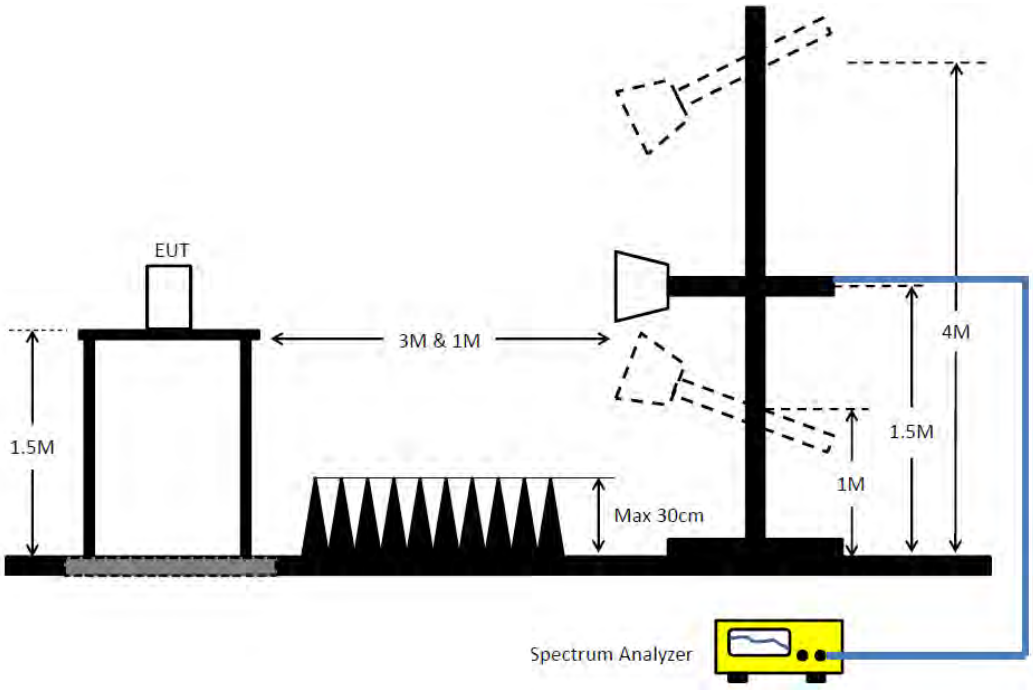
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

4 Test Equipment and Calibration Data

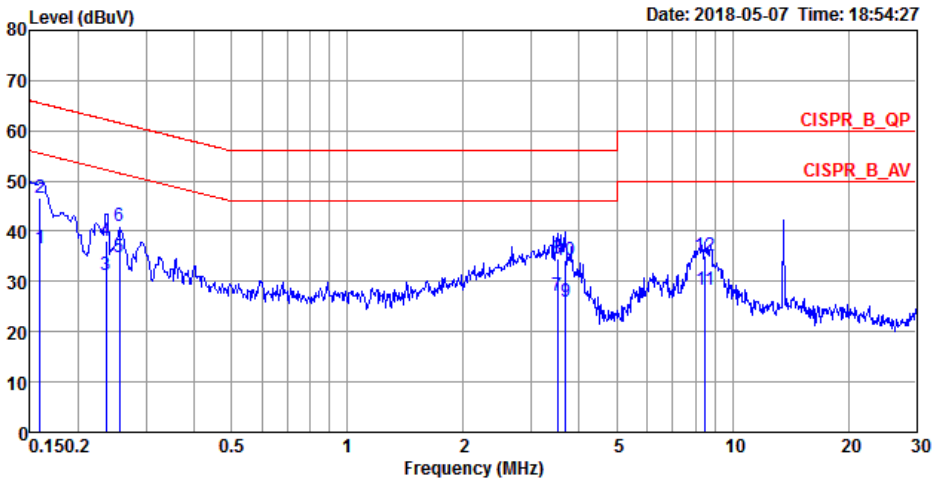
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 31, 2018	Jan. 30, 2019	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Dec. 20, 2017	Dec. 19, 2018	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 29, 2017	Dec. 28, 2018	Conduction (CO01-CB)
Impulsbegrenzer Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 06, 2018	Feb. 05, 2019	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	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	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 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-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)

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#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

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

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

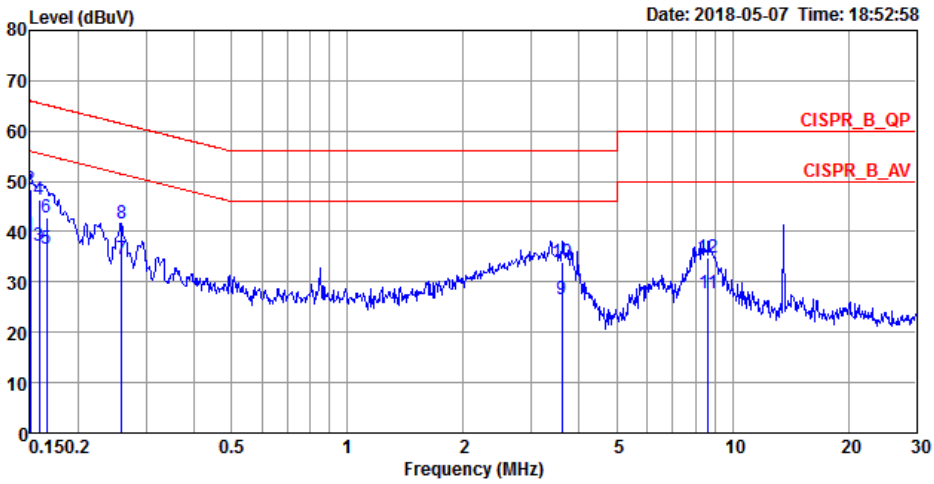
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	CTX - Radio 3 (5GHz B1)		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1590	36.47	-19.05	55.52	26.40	9.92	0.15	Average	NEUTRAL
2	0.1590	46.73	-18.79	65.52	36.66	9.92	0.15	QP	NEUTRAL
3	0.2366	31.40	-20.82	52.22	21.38	9.92	0.10	Average	NEUTRAL
4	0.2366	38.07	-24.15	62.22	28.05	9.92	0.10	QP	NEUTRAL
5	0.2562	34.83	-16.73	51.56	24.82	9.92	0.09	Average	NEUTRAL
6	0.2562	40.97	-20.59	61.56	30.96	9.92	0.09	QP	NEUTRAL
7	3.5092	27.26	-18.74	46.00	17.16	9.98	0.12	Average	NEUTRAL
8	3.5092	34.47	-21.53	56.00	24.37	9.98	0.12	QP	NEUTRAL
9	3.6806	25.99	-20.01	46.00	15.90	9.98	0.11	Average	NEUTRAL
10	3.6806	34.16	-21.84	56.00	24.07	9.98	0.11	QP	NEUTRAL
11	8.5011	28.22	-21.78	50.00	18.00	10.08	0.14	Average	NEUTRAL
12	8.5011	35.20	-24.80	60.00	24.98	10.08	0.14	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	CTX - Radio 3 (5GHz B1)		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	39.16	-16.84	56.00	29.09	9.91	0.16	Average	LINE
2	0.1500	48.39	-17.61	66.00	38.32	9.91	0.16	QP	LINE
3	0.1582	37.26	-18.30	55.56	27.20	9.91	0.15	Average	LINE
4	0.1582	46.30	-19.26	65.56	36.24	9.91	0.15	QP	LINE
5	0.1659	36.47	-18.69	55.16	26.41	9.91	0.15	Average	LINE
6	0.1659	42.94	-22.22	65.16	32.88	9.91	0.15	QP	LINE
7	0.2589	34.55	-16.92	51.47	24.56	9.91	0.08	Average	LINE
8	0.2589	41.73	-19.74	61.47	31.74	9.91	0.08	QP	LINE
9	3.6034	26.54	-19.46	46.00	16.44	9.98	0.12	Average	LINE
10	3.6034	33.99	-22.01	56.00	23.89	9.98	0.12	QP	LINE
11	8.6373	27.68	-22.32	50.00	17.43	10.11	0.14	Average	LINE
12	8.6373	34.75	-25.25	60.00	24.50	10.11	0.14	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)_4TX	7.55M	10.245M	10M2G1D	6.075M	10.12M
802.11g_Nss1,(6Mbps)_4TX	16.375M	16.592M	16M6D1D	16.05M	16.492M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.6M	17.791M	17M8D1D	17.3M	17.691M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.332M	36M3D1D	36.1M	36.132M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	6.55M	10.22M	7.025M	10.17M	6.525M	10.17M	6.075M	10.22M
2437MHz	Pass	500k	7.55M	10.195M	7M	10.195M	6.525M	10.245M	6.55M	10.195M
2462MHz	Pass	500k	6.525M	10.12M	7.05M	10.17M	7.075M	10.195M	6.525M	10.195M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.542M	16.35M	16.542M	16.35M	16.542M	16.35M	16.567M
2437MHz	Pass	500k	16.375M	16.567M	16.375M	16.592M	16.325M	16.592M	16.325M	16.517M
2462MHz	Pass	500k	16.05M	16.492M	16.3M	16.492M	16.325M	16.517M	16.325M	16.517M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.741M	17.6M	17.741M	17.55M	17.766M	17.6M	17.766M
2437MHz	Pass	500k	17.575M	17.791M	17.6M	17.766M	17.55M	17.766M	17.575M	17.766M
2462MHz	Pass	500k	17.3M	17.691M	17.55M	17.716M	17.575M	17.716M	17.55M	17.741M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.35M	36.232M	36.3M	36.182M	36.3M	36.132M	36.35M	36.282M
2437MHz	Pass	500k	36.1M	36.332M	36.35M	36.182M	36.35M	36.232M	36.3M	36.232M
2452MHz	Pass	500k	36.25M	36.182M	36.35M	36.332M	36.35M	36.282M	36.3M	36.182M

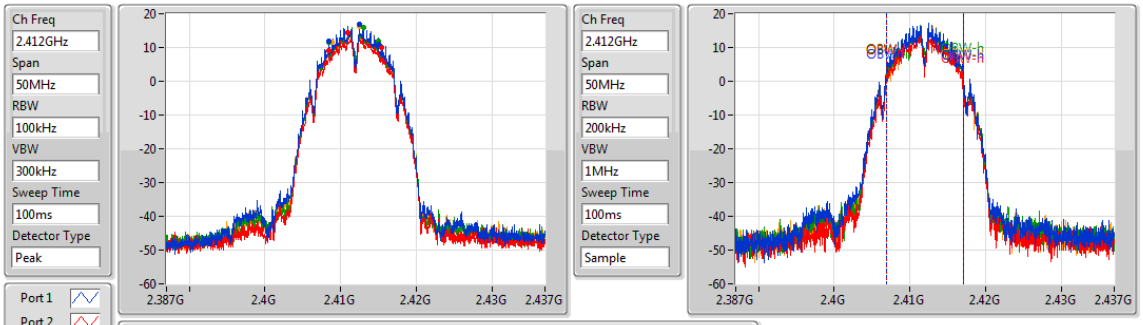
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

27/03/2018



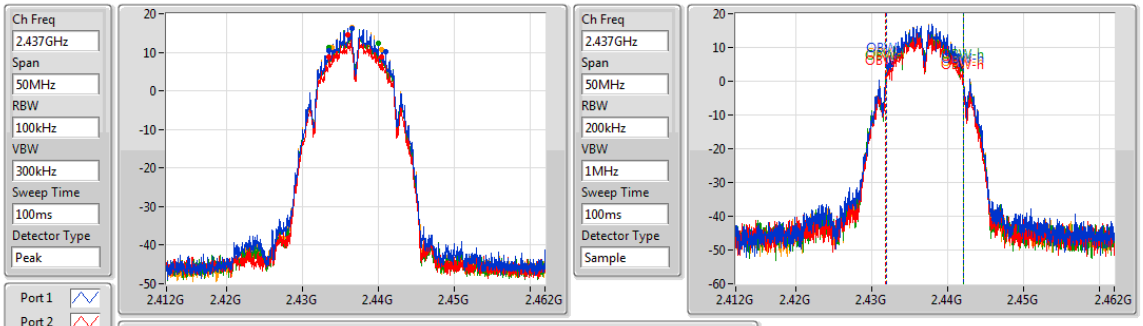
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.40845G	2.415G	10.22M	2.406853G	2.417072G	500k	1
7.025M	2.40845G	2.415475G	10.17M	2.406903G	2.417072G	500k	2
6.525M	2.408475G	2.415G	10.17M	2.406878G	2.417047G	500k	3
6.075M	2.408925G	2.415G	10.22M	2.406853G	2.417072G	500k	4

802.11b_Nss1,(1Mbps)_4TX

EBW

2437MHz

27/03/2018



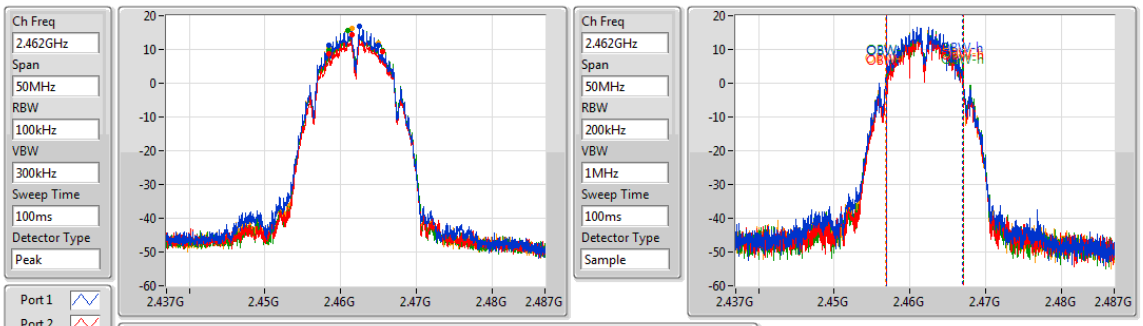
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.433425G	2.440975G	10.195M	2.431878G	2.442072G	500k	1
7M	2.43345G	2.44045G	10.195M	2.431828G	2.442022G	500k	2
6.525M	2.43345G	2.439975G	10.245M	2.431828G	2.442072G	500k	3
6.55M	2.433925G	2.440475G	10.195M	2.431853G	2.442047G	500k	4

802.11b_Nss1,(1Mbps)_4TX

EBW

2462MHz

27/03/2018

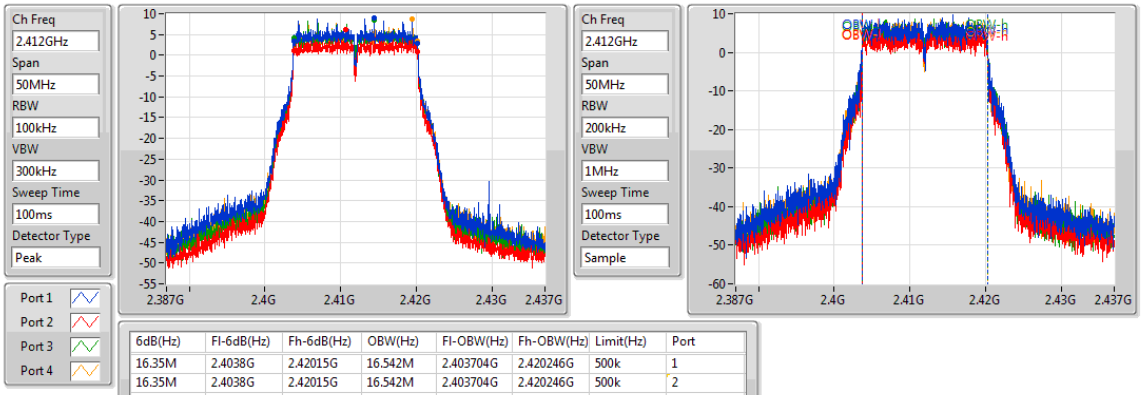


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.525M	2.45845G	2.464975G	10.12M	2.456853G	2.466973G	500k	1
7.05M	2.45845G	2.4655G	10.17M	2.456878G	2.467047G	500k	2
7.075M	2.458425G	2.4655G	10.195M	2.456878G	2.467072G	500k	3
6.525M	2.45845G	2.464975G	10.195M	2.456828G	2.467022G	500k	4

802.11g_Nss1,(6Mbps)_4TX — EBW

2412MHz

27/03/2018

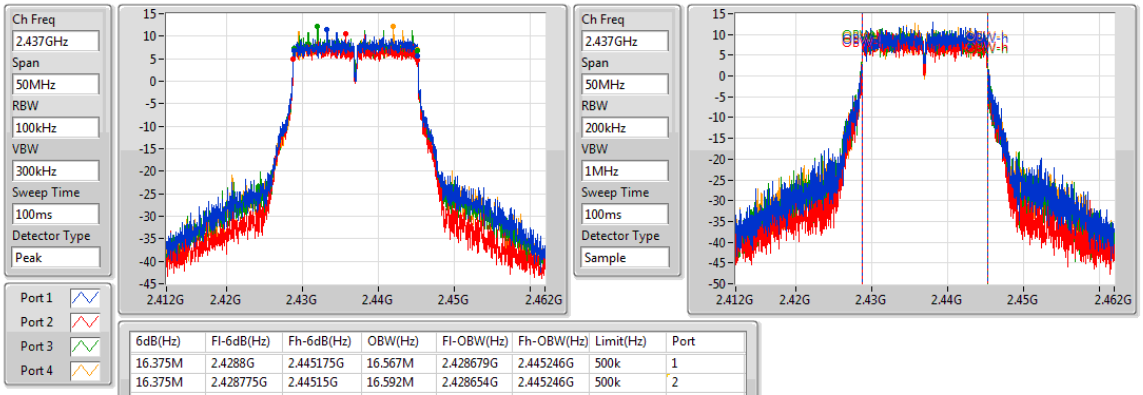


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	16.542M	2.403704G	2.420246G	500k	1
16.35M	2.4038G	2.42015G	16.542M	2.403704G	2.420246G	500k	2
16.35M	2.4038G	2.42015G	16.542M	2.403679G	2.420221G	500k	3
16.35M	2.4038G	2.42015G	16.567M	2.403679G	2.420246G	500k	4

802.11g_Nss1,(6Mbps)_4TX — EBW

2437MHz

27/03/2018

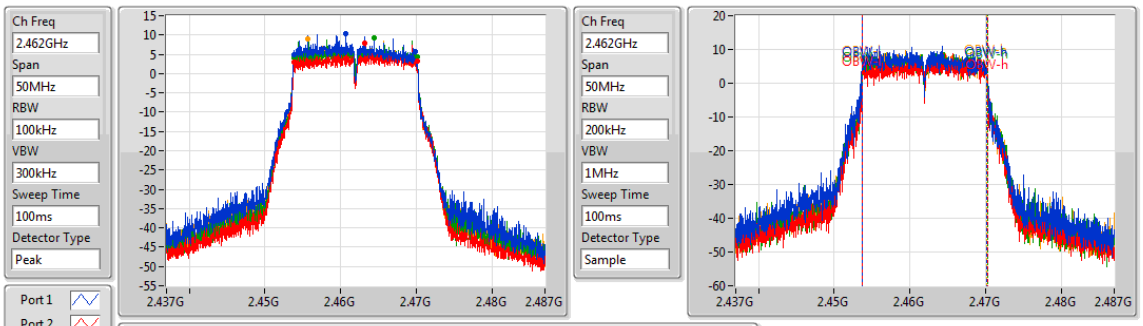


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.4288G	2.445175G	16.567M	2.428679G	2.445246G	500k	1
16.375M	2.428775G	2.44515G	16.592M	2.428654G	2.445246G	500k	2
16.325M	2.4288G	2.445125G	16.592M	2.428654G	2.445246G	500k	3
16.325M	2.4288G	2.445125G	16.517M	2.428704G	2.445221G	500k	4

802.11g_Nss1,(6Mbps)_4TX — EBW

2462MHz

27/03/2018



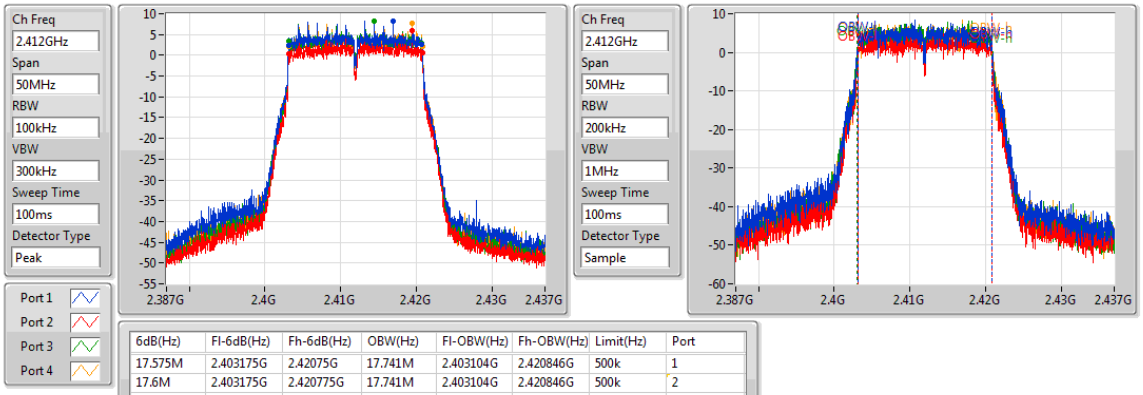
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.4538G	2.46985G	16.492M	2.453654G	2.470146G	500k	1
16.3M	2.453825G	2.470125G	16.492M	2.453729G	2.470221G	500k	2
16.325M	2.4538G	2.470125G	16.517M	2.453704G	2.470221G	500k	3
16.325M	2.4538G	2.470125G	16.517M	2.453654G	2.470171G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

2412MHz

27/03/2018



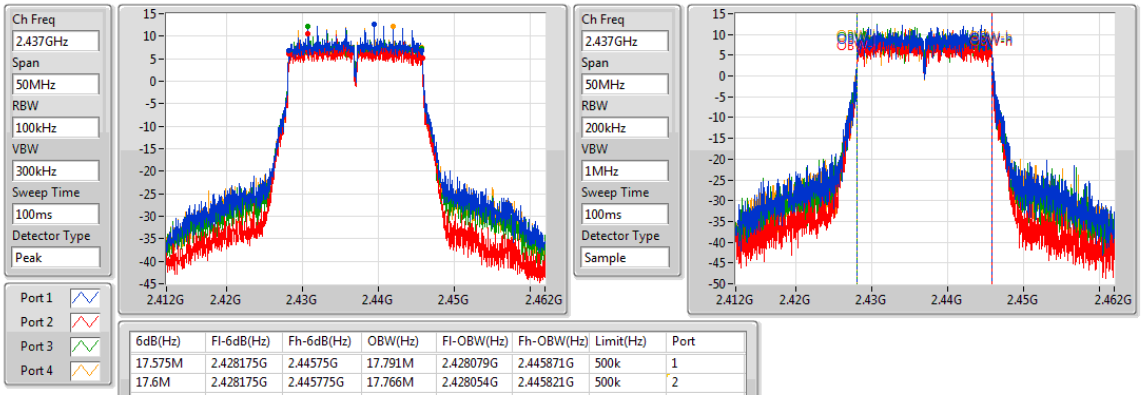
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403175G	2.42075G	17.741M	2.403104G	2.420846G	500k	1
17.6M	2.403175G	2.420775G	17.741M	2.403104G	2.420846G	500k	2
17.55M	2.4032G	2.42075G	17.766M	2.403079G	2.420846G	500k	3
17.6M	2.403175G	2.420775G	17.766M	2.403104G	2.420871G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

2437MHz

27/03/2018



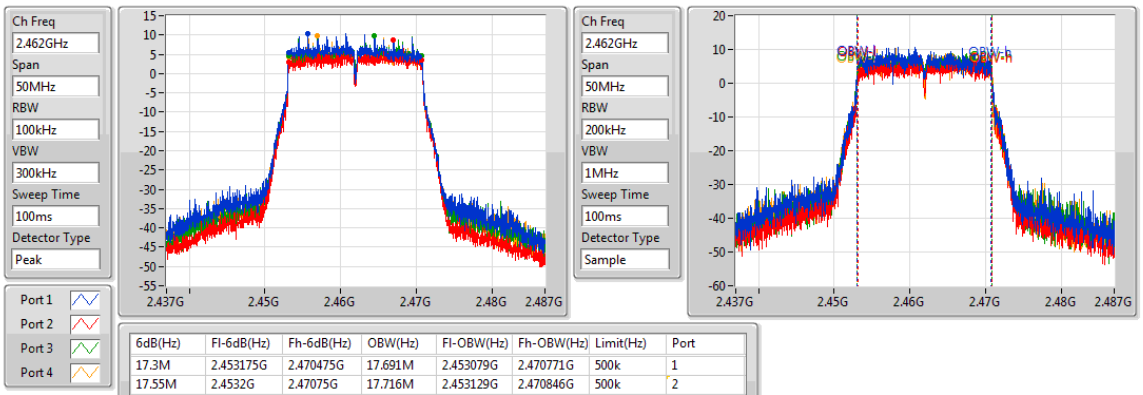
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.428175G	2.44575G	17.791M	2.428079G	2.445871G	500k	1
17.6M	2.428175G	2.445775G	17.766M	2.428054G	2.445821G	500k	2
17.55M	2.428175G	2.445725G	17.766M	2.428054G	2.445821G	500k	3
17.575M	2.428175G	2.44575G	17.766M	2.428079G	2.445846G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

2462MHz

27/03/2018



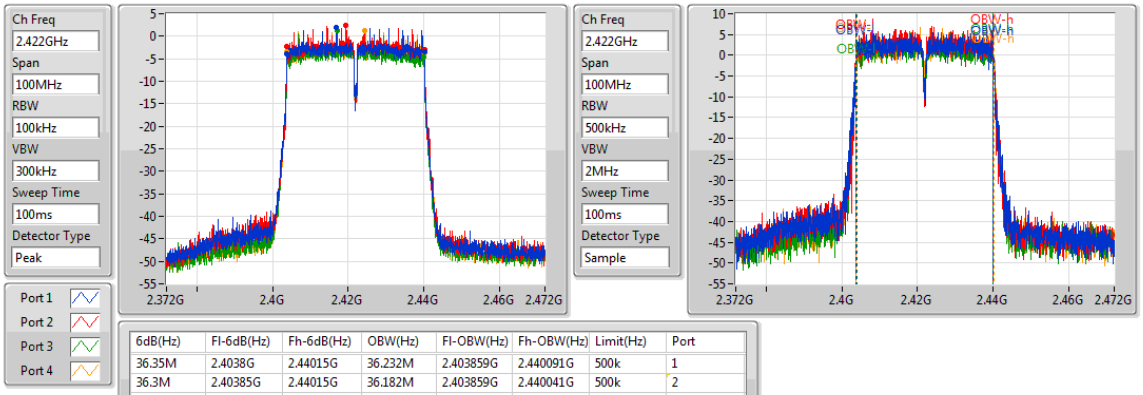
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.3M	2.453175G	2.470475G	17.691M	2.453079G	2.470771G	500k	1
17.55M	2.4532G	2.47075G	17.716M	2.453129G	2.470846G	500k	2
17.575M	2.453175G	2.47075G	17.716M	2.453079G	2.470796G	500k	3
17.55M	2.453175G	2.470725G	17.741M	2.453054G	2.470796G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

2422MHz

27/03/2018



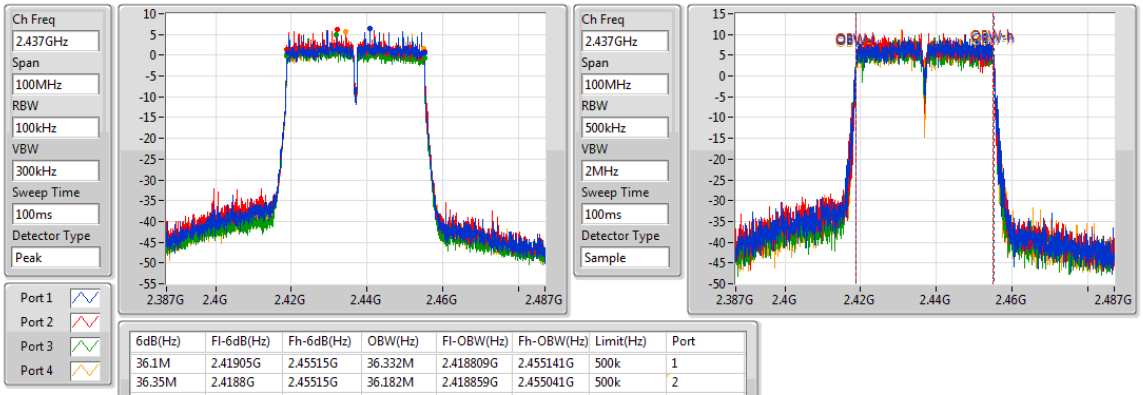
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.4038G	2.44015G	36.232M	2.403859G	2.440091G	500k	1
36.3M	2.40385G	2.44015G	36.182M	2.403859G	2.440041G	500k	2
36.3M	2.4038G	2.4401G	36.132M	2.403909G	2.440041G	500k	3
36.35M	2.4038G	2.44015G	36.282M	2.403859G	2.440141G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

2437MHz

27/03/2018



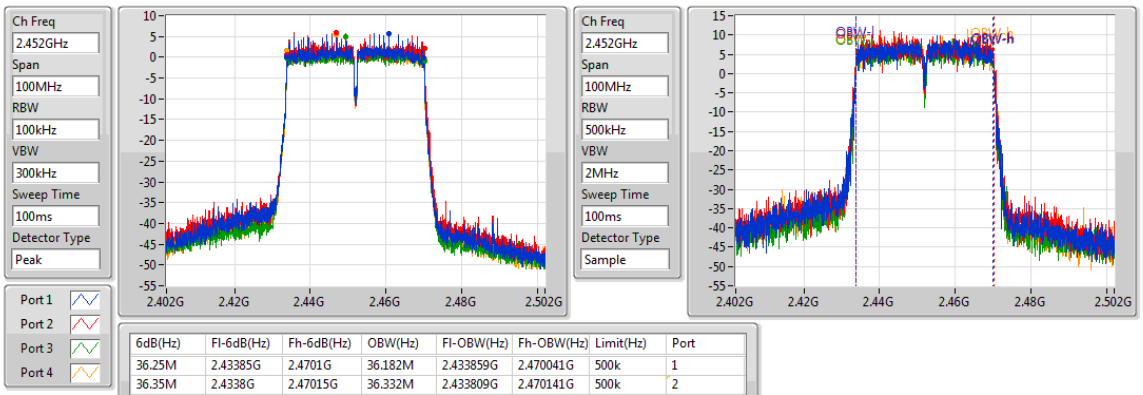
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.1M	2.41905G	2.45515G	36.332M	2.418809G	2.455141G	500k	1
36.35M	2.4188G	2.45515G	36.182M	2.418859G	2.455041G	500k	2
36.35M	2.4188G	2.45515G	36.232M	2.418759G	2.454991G	500k	3
36.3M	2.4188G	2.4551G	36.232M	2.418859G	2.455091G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

2452MHz

27/03/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	2.43385G	2.4701G	36.182M	2.433859G	2.470041G	500k	1
36.35M	2.4338G	2.47015G	36.332M	2.433809G	2.470141G	500k	2
36.35M	2.4338G	2.47015G	36.282M	2.433759G	2.470041G	500k	3
36.3M	2.43385G	2.47015G	36.182M	2.433859G	2.470041G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.97	0.99312
802.11g_Nss1,(6Mbps)_4TX	29.86	0.96828
802.11ac VHT20_Nss1,(MCS0)_4TX	29.97	0.99312
802.11ac VHT40_Nss1,(MCS0)_4TX	26.49	0.44566

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.22	24.46	22.17	24.13	24.04	29.81	30.00
2417MHz	Pass	4.22	24.59	22.01	24.10	24.28	29.87	30.00
2422MHz	Pass	4.22	24.52	22.02	24.42	24.02	29.87	30.00
2427MHz	Pass	4.22	24.57	21.90	24.05	24.30	29.84	30.00
2432MHz	Pass	4.22	24.69	21.92	24.07	24.09	29.83	30.00
2437MHz	Pass	4.22	24.54	22.41	24.12	24.30	29.94	30.00
2447MHz	Pass	4.22	24.76	22.06	23.89	24.05	29.82	30.00
2452MHz	Pass	4.22	24.63	22.27	23.94	24.18	29.86	30.00
2457MHz	Pass	4.22	24.71	22.28	24.07	24.21	29.93	30.00
2462MHz	Pass	4.22	24.68	22.61	24.10	24.13	29.97	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.22	21.08	18.49	20.64	20.60	26.33	30.00
2417MHz	Pass	4.22	23.87	22.17	23.78	23.66	29.44	30.00
2422MHz	Pass	4.22	24.35	22.60	23.94	24.02	29.80	30.00
2427MHz	Pass	4.22	24.30	22.67	24.07	23.86	29.79	30.00
2432MHz	Pass	4.22	24.30	22.88	24.02	23.97	29.85	30.00
2437MHz	Pass	4.22	24.20	22.96	23.89	23.96	29.80	30.00
2442MHz	Pass	4.22	24.38	22.97	24.05	23.83	29.86	30.00
2447MHz	Pass	4.22	24.30	23.09	23.91	23.74	29.80	30.00
2452MHz	Pass	4.22	24.35	22.91	23.84	23.75	29.76	30.00
2457MHz	Pass	4.22	24.20	22.86	23.83	23.58	29.67	30.00
2462MHz	Pass	4.22	22.05	19.98	21.49	21.24	27.27	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.22	20.38	17.96	20.50	20.12	25.87	30.00
2417MHz	Pass	4.22	21.90	19.57	21.59	21.48	27.24	30.00
2422MHz	Pass	4.22	23.86	22.19	23.76	23.43	29.38	30.00
2427MHz	Pass	4.22	24.40	23.10	23.99	24.21	29.97	30.00
2432MHz	Pass	4.22	24.70	23.28	24.09	23.51	29.95	30.00
2437MHz	Pass	4.22	24.31	22.95	23.93	23.89	29.82	30.00
2442MHz	Pass	4.22	24.40	23.16	24.04	24.06	29.96	30.00
2447MHz	Pass	4.22	24.37	23.08	24.25	23.79	29.92	30.00
2452MHz	Pass	4.22	24.38	23.25	24.09	23.85	29.93	30.00
2457MHz	Pass	4.22	23.51	22.00	23.06	22.99	28.94	30.00
2462MHz	Pass	4.22	22.47	20.36	21.93	21.83	27.73	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
2422MHz	Pass	4.22	16.91	17.09	15.52	16.44	22.55	30.00
2427MHz	Pass	4.22	17.97	18.02	16.59	17.51	23.58	30.00
2432MHz	Pass	4.22	19.06	19.23	18.07	18.65	24.80	30.00
2437MHz	Pass	4.22	20.68	21.05	19.76	20.30	26.49	30.00
2452MHz	Pass	4.22	20.50	21.00	19.76	20.24	26.42	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-0.65
802.11g_Nss1,(6Mbps)_4TX	0.97
802.11ac VHT20_Nss1,(MCS0)_4TX	0.02
802.11ac VHT40_Nss1,(MCS0)_4TX	-8.67

RBW=3kHz.

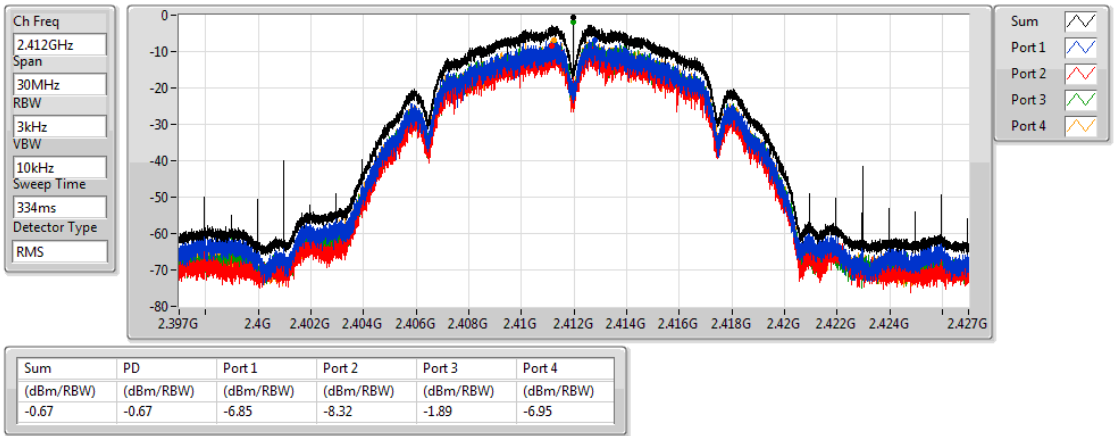
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.35	-6.85	-8.32	-1.89	-6.95	-0.67	8
2437MHz	Pass	5.35	-5.98	-8.90	-2.30	-7.16	-0.92	8
2462MHz	Pass	5.35	-7.04	-8.94	-2.09	-7.30	-0.65	8
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.35	-12.54	-12.93	-2.99	-12.85	-2.11	8
2437MHz	Pass	5.35	-9.49	-10.51	-0.02	-9.28	0.97	8
2462MHz	Pass	5.35	-11.12	-14.02	-5.04	-12.11	-4.17	8
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.35	-12.09	-15.19	-4.55	-11.56	-3.01	8
2437MHz	Pass	5.35	-8.80	-9.81	-1.42	-8.76	0.02	8
2462MHz	Pass	5.35	-10.13	-11.31	-4.17	-11.38	-2.62	8
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.35	-18.14	-17.97	-19.04	-18.26	-12.89	8
2437MHz	Pass	5.35	-13.36	-13.30	-15.03	-13.82	-8.67	8
2452MHz	Pass	5.35	-14.39	-14.43	-14.15	-14.50	-8.83	8

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

802.11b_Nss1,(1Mbps)_4TX PSD

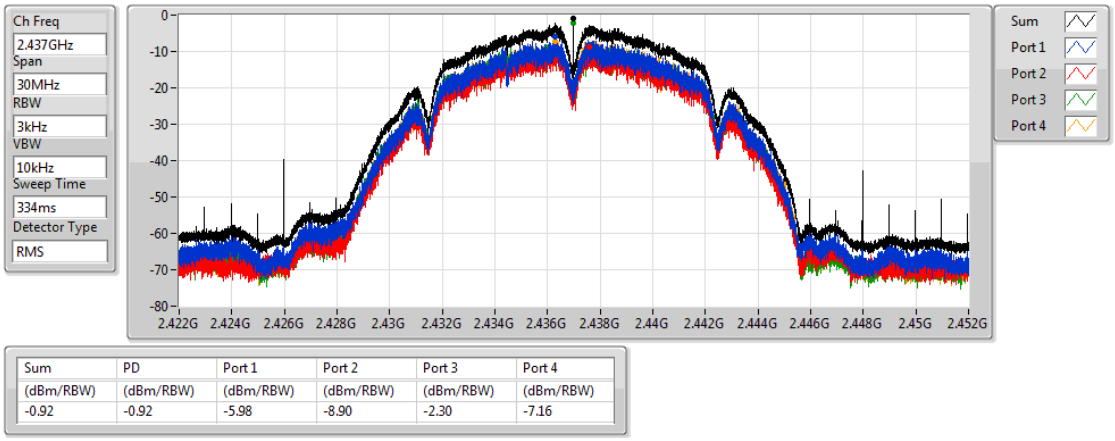
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.67	-0.67	-6.85	-8.32	-1.89	-6.95

802.11b_Nss1,(1Mbps)_4TX PSD

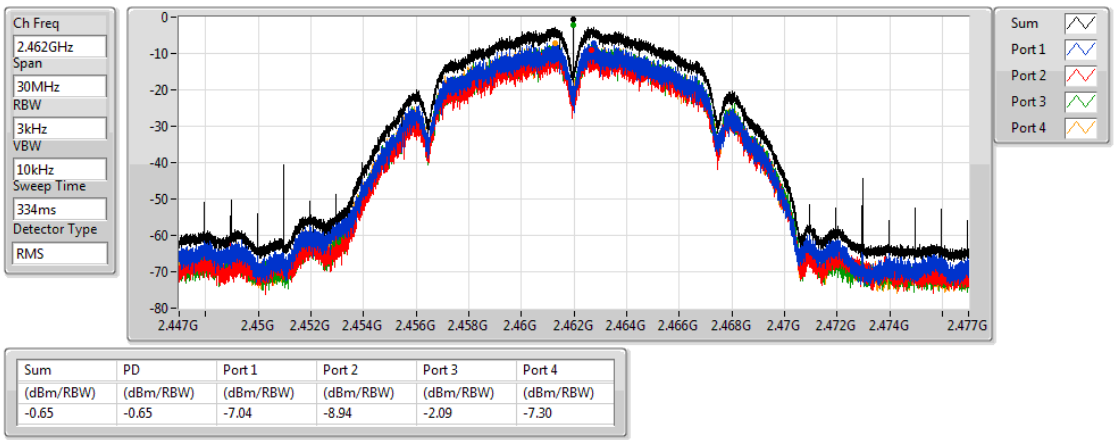
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.92	-0.92	-5.98	-8.90	-2.30	-7.16

802.11b_Nss1,(1Mbps)_4TX PSD

2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.65	-0.65	-7.04	-8.94	-2.09	-7.30

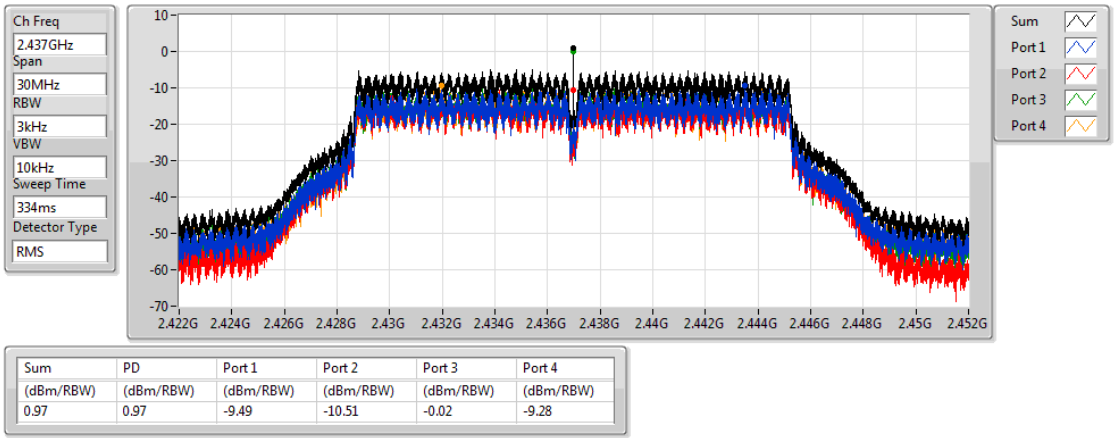
802.11g_Nss1,(6Mbps)_4TX PSD

2412MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.11	-2.11	-12.54	-12.93	-2.99	-12.85

802.11g_Nss1,(6Mbps)_4TX PSD

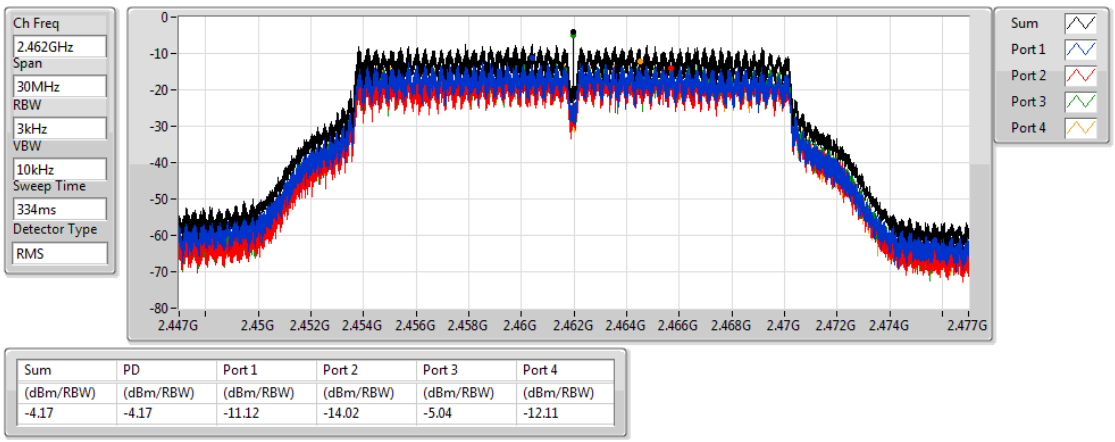
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.97	0.97	-9.49	-10.51	-0.02	-9.28

802.11g_Nss1,(6Mbps)_4TX PSD

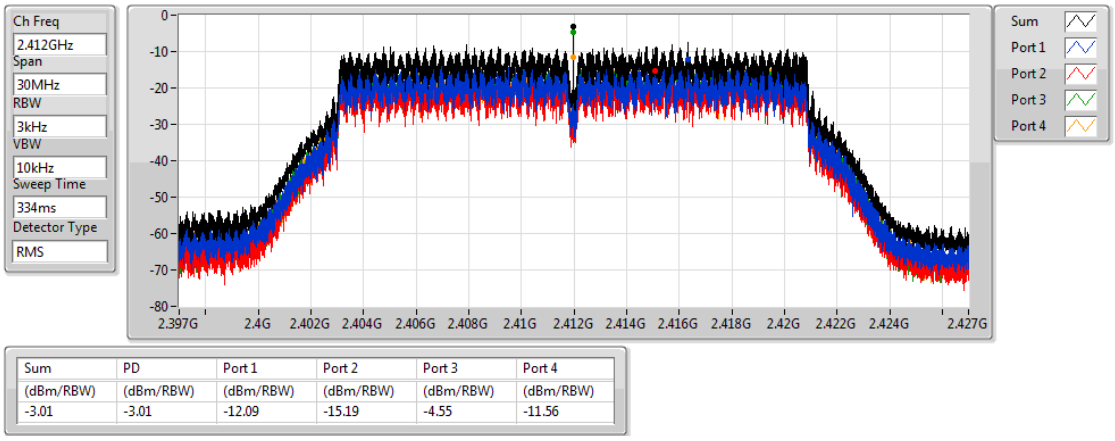
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.17	-4.17	-11.12	-14.02	-5.04	-12.11

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

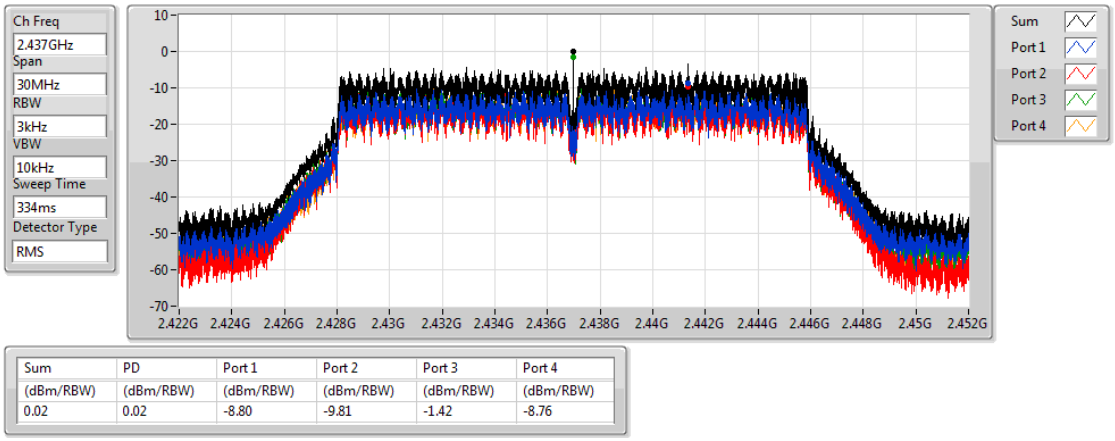
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.01	-3.01	-12.09	-15.19	-4.55	-11.56

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

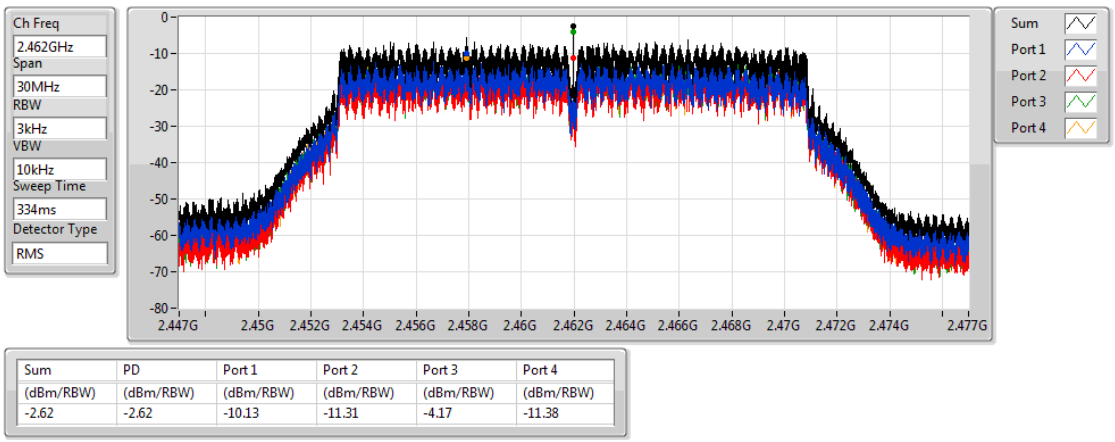
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.02	0.02	-8.80	-9.81	-1.42	-8.76

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

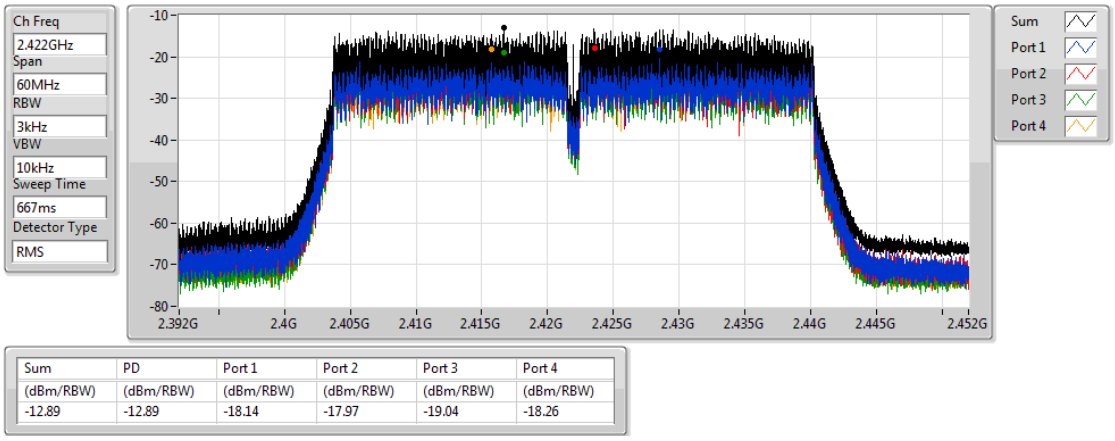
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.62	-2.62	-10.13	-11.31	-4.17	-11.38

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

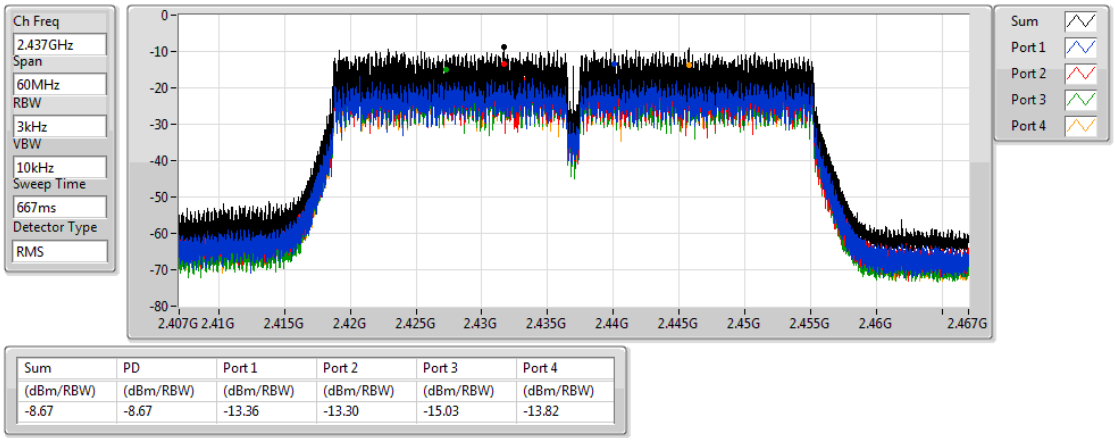
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.89	-12.89	-18.14	-17.97	-19.04	-18.26

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

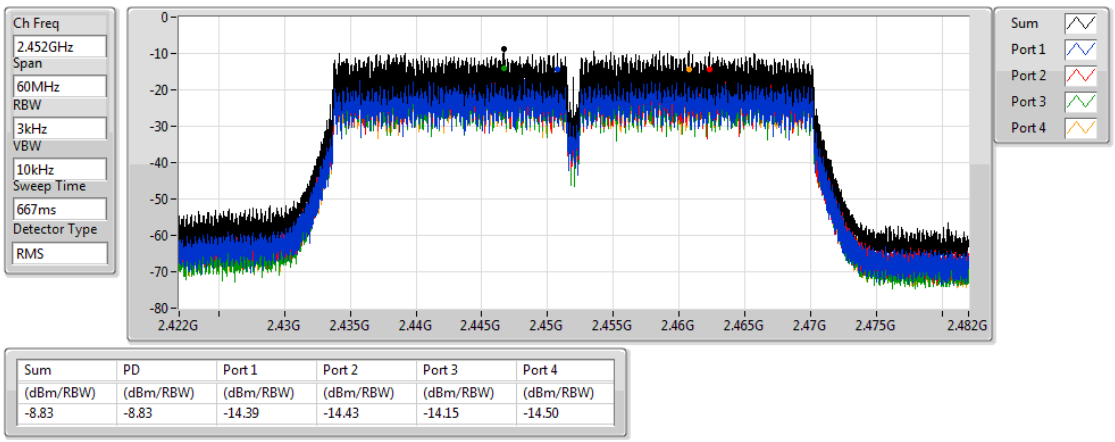
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.67	-8.67	-13.36	-13.30	-15.03	-13.82

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.83	-8.83	-14.39	-14.43	-14.15	-14.50

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.436406G	15.65	-14.35	2.072245G	-56.10	2.398G	-39.09	2.48478G	-52.63	7.232327G	-30.35	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.444422G	12.39	-17.61	507.65M	-56.47	2.39824G	-33.04	2.48366G	-52.74	7.232327G	-39.59	1
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	2.435738G	11.96	-18.04	521.63M	-55.72	2.39984G	-33.24	2.4839G	-52.38	7.226708G	-40.12	4
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	2.441917G	6.07	-23.93	31.145M	-55.91	2.39952G	-32.47	2.48558G	-44.95	24.402628G	-50.50	2

Result

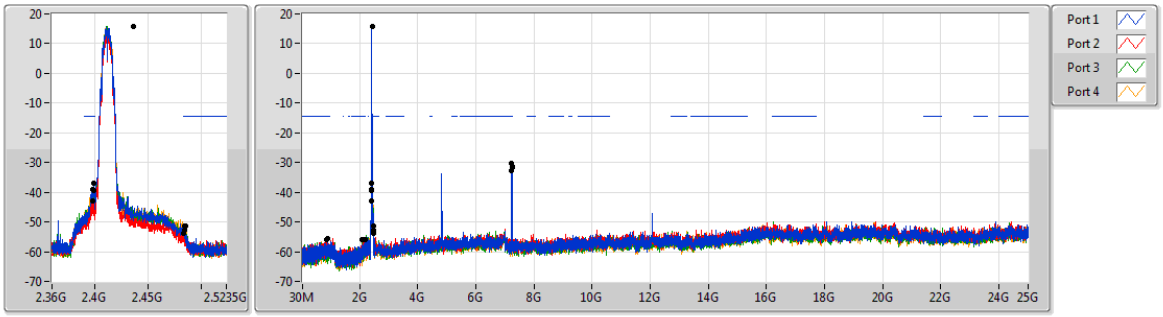
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.436406G	15.65	-14.35	895.595M	-55.71	2.39904G	-37.05	2.48502G	-51.36	7.237946G	-31.24	1
2412MHz	Pass	2.436406G	15.65	-14.35	853.655M	-56.10	2.398G	-43.08	2.48358G	-53.81	7.232327G	-32.77	2
2412MHz	Pass	2.436406G	15.65	-14.35	2.072245G	-56.10	2.398G	-39.09	2.48478G	-52.63	7.232327G	-30.35	3
2412MHz	Pass	2.436406G	15.65	-14.35	2.188745G	-55.95	2.39904G	-39.56	2.48406G	-51.29	7.235136G	-31.58	4
2437MHz	Pass	2.436406G	15.65	-14.35	620.655M	-56.48	2.39288G	-45.45	2.4839G	-49.41	16.225736G	-50.53	1
2437MHz	Pass	2.436406G	15.65	-14.35	2.193405G	-56.16	2.39712G	-47.48	2.48374G	-50.01	24.688139G	-49.73	2
2437MHz	Pass	2.436406G	15.65	-14.35	497.165M	-56.30	2.39128G	-47.37	2.48534G	-50.99	24.072844G	-51.67	3
2437MHz	Pass	2.436406G	15.65	-14.35	2.198065G	-55.24	2.39128G	-46.94	2.4839G	-50.43	25G	-50.85	4
2462MHz	Pass	2.436406G	15.65	-14.35	816.375M	-55.64	2.39688G	-48.51	2.48446G	-49.37	16.39712G	-50.09	1
2462MHz	Pass	2.436406G	15.65	-14.35	2.17826G	-55.83	2.39712G	-48.85	2.48374G	-50.33	24.466183G	-50.47	2
2462MHz	Pass	2.436406G	15.65	-14.35	2.1969G	-54.97	2.39824G	-48.44	2.48382G	-49.56	24.803331G	-50.68	3
2462MHz	Pass	2.436406G	15.65	-14.35	938.7M	-56.62	2.39968G	-48.41	2.4847G	-49.24	24.370658G	-50.83	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.444422G	12.39	-17.61	507.65M	-56.47	2.39824G	-33.04	2.48366G	-52.74	7.232327G	-39.59	1
2412MHz	Pass	2.444422G	12.39	-17.61	901.42M	-56.42	2.39888G	-38.37	2.4839G	-55.31	7.232327G	-40.80	2
2412MHz	Pass	2.444422G	12.39	-17.61	734.825M	-56.79	2.39976G	-35.10	2.48454G	-54.90	7.240755G	-39.86	3
2412MHz	Pass	2.444422G	12.39	-17.61	708.03M	-57.24	2.39864G	-34.53	2.48422G	-49.91	7.232327G	-39.66	4
2437MHz	Pass	2.444422G	12.39	-17.61	2.186415G	-56.44	2.39824G	-44.95	2.48358G	-49.07	23.572742G	-50.53	1
2437MHz	Pass	2.444422G	12.39	-17.61	2.30874G	-54.34	2.39776G	-46.48	2.48358G	-50.90	24.48866G	-49.39	2
2437MHz	Pass	2.444422G	12.39	-17.61	489.01M	-55.89	2.39992G	-45.06	2.48494G	-49.83	15.256437G	-50.59	3
2437MHz	Pass	2.444422G	12.39	-17.61	775.6M	-56.49	2.39984G	-46.05	2.48374G	-49.14	16.453311G	-51.15	4
2462MHz	Pass	2.444422G	12.39	-17.61	887.44M	-55.18	2.3992G	-49.87	2.48358G	-40.81	16.439263G	-50.59	1
2462MHz	Pass	2.444422G	12.39	-17.61	639.295M	-56.70	2.39744G	-48.81	2.4843G	-47.74	16.472978G	-49.94	2
2462MHz	Pass	2.444422G	12.39	-17.61	485.515M	-56.66	2.39896G	-49.78	2.48446G	-42.37	16.686505G	-50.25	3
2462MHz	Pass	2.444422G	12.39	-17.61	487.845M	-54.77	2.3972G	-50.41	2.48662G	-43.06	24.075654G	-50.35	4
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.435738G	11.96	-18.04	932.875M	-56.03	2.39856G	-33.74	2.4847G	-50.44	7.235136G	-40.30	1
2412MHz	Pass	2.435738G	11.96	-18.04	797.735M	-55.49	2.39992G	-38.19	2.48374G	-54.08	7.235136G	-42.15	2
2412MHz	Pass	2.435738G	11.96	-18.04	808.22M	-56.74	2.39976G	-34.85	2.48702G	-55.35	7.240755G	-40.30	3
2412MHz	Pass	2.435738G	11.96	-18.04	521.63M	-55.72	2.39984G	-33.24	2.4839G	-52.38	7.226708G	-40.12	4
2437MHz	Pass	2.435738G	11.96	-18.04	2.307575G	-56.25	2.3976G	-43.65	2.48438G	-48.81	16.374643G	-50.61	1
2437MHz	Pass	2.435738G	11.96	-18.04	872.295M	-55.87	2.39976G	-45.93	2.48382G	-48.95	16.708981G	-49.44	2
2437MHz	Pass	2.435738G	11.96	-18.04	2.17826G	-56.83	2.39816G	-42.82	2.48638G	-50.78	24.376277G	-50.68	3
2437MHz	Pass	2.435738G	11.96	-18.04	790.745M	-56.30	2.39584G	-45.00	2.48438G	-49.51	16.64998G	-50.25	4
2462MHz	Pass	2.435738G	11.96	-18.04	928.215M	-56.31	2.3988G	-49.62	2.48358G	-38.73	24.800521G	-50.05	1
2462MHz	Pass	2.435738G	11.96	-18.04	490.175M	-55.58	2.39864G	-49.64	2.48606G	-46.66	24.339753G	-50.49	2
2462MHz	Pass	2.435738G	11.96	-18.04	491.34M	-55.33	2.3952G	-49.19	2.48414G	-38.18	24.409992G	-50.32	3
2462MHz	Pass	2.435738G	11.96	-18.04	794.24M	-56.51	2.39904G	-50.40	2.48358G	-40.47	16.374643G	-50.78	4

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
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.441917G	6.07	-23.93	478.84M	-56.33	2.39952G	-41.07	2.48542G	-52.96	7.247119G	-48.30	1
2422MHz	Pass	2.441917G	6.07	-23.93	923.1M	-56.07	2.39584G	-41.35	2.48446G	-53.73	7.249924G	-48.95	2
2422MHz	Pass	2.441917G	6.07	-23.93	721.58M	-55.29	2.39184G	-45.53	2.48734G	-54.38	7.247119G	-50.24	3
2422MHz	Pass	2.441917G	6.07	-23.93	492.58M	-55.98	2.39952G	-43.26	2.48494G	-54.39	7.249924G	-49.95	4
2437MHz	Pass	2.441917G	6.07	-23.93	2.19863G	-56.26	2.39968G	-37.64	2.48446G	-46.43	16.726541G	-49.64	1
2437MHz	Pass	2.441917G	6.07	-23.93	31.145M	-55.91	2.39952G	-32.47	2.48558G	-44.95	24.402628G	-50.50	2
2437MHz	Pass	2.441917G	6.07	-23.93	497.16M	-56.18	2.39952G	-36.91	2.4867G	-48.79	24.739176G	-51.20	3
2437MHz	Pass	2.441917G	6.07	-23.93	531.51M	-56.21	2.39952G	-37.10	2.48446G	-46.57	16.44328G	-50.85	4
2452MHz	Pass	2.441917G	6.07	-23.93	659.75M	-56.08	2.39712G	-44.66	2.48414G	-41.24	24.896231G	-50.46	1
2452MHz	Pass	2.441917G	6.07	-23.93	496.015M	-54.01	2.39888G	-44.11	2.4843G	-41.16	24.024012G	-50.22	2
2452MHz	Pass	2.441917G	6.07	-23.93	471.97M	-56.36	2.39984G	-45.47	2.48814G	-42.73	16.821896G	-51.29	3
2452MHz	Pass	2.441917G	6.07	-23.93	30M	-56.30	2.39984G	-44.84	2.48606G	-45.04	24.399824G	-51.03	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

2412MHz

27/03/2018

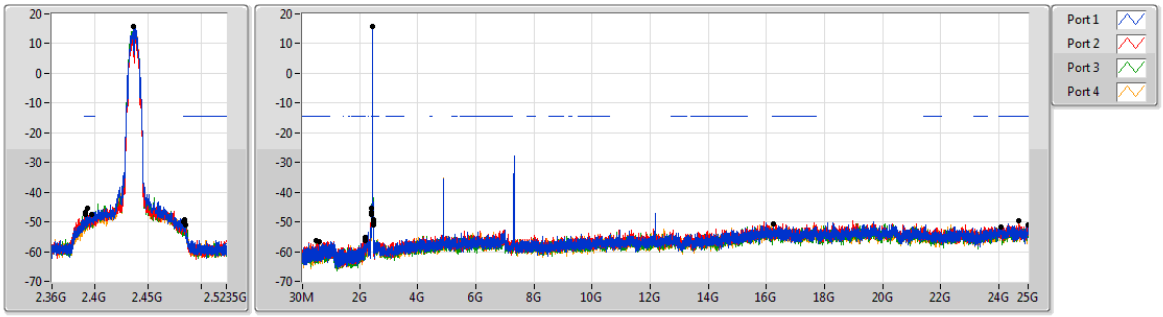


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	15.65	-14.35	895.595M	-55.71	2.39904G	-37.05	2.48502G	-51.36	7.237946G	-31.24	1
2.436406G	15.65	-14.35	853.655M	-56.10	2.398G	-43.08	2.48358G	-53.81	7.232327G	-32.77	2
2.436406G	15.65	-14.35	2.072245G	-56.10	2.398G	-39.09	2.48478G	-52.63	7.232327G	-30.35	3
2.436406G	15.65	-14.35	2.188745G	-55.95	2.39904G	-39.56	2.48406G	-51.29	7.235136G	-31.58	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

2437MHz

27/03/2018

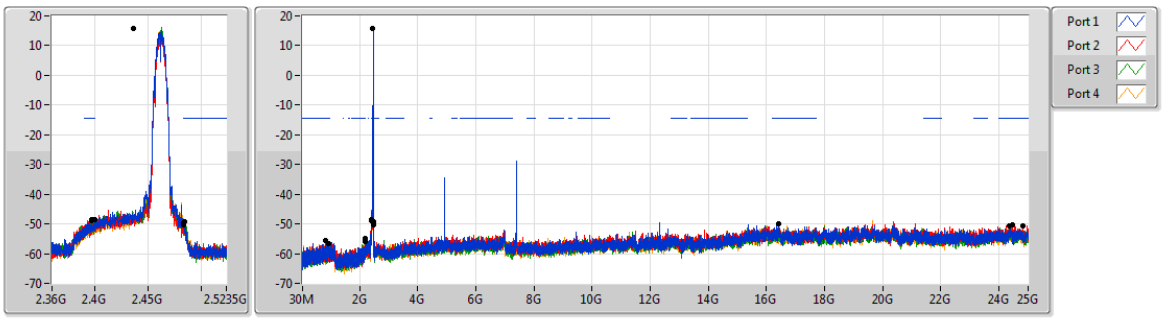


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	15.65	-14.35	620.655M	-56.48	2.39288G	-45.45	2.4839G	-49.41	16.225736G	-50.53	1
2.436406G	15.65	-14.35	2.193405G	-56.16	2.39712G	-47.48	2.48374G	-50.01	24.688139G	-49.73	2
2.436406G	15.65	-14.35	497.165M	-56.30	2.39128G	-47.37	2.48534G	-50.99	24.072844G	-51.67	3
2.436406G	15.65	-14.35	2.198065G	-55.24	2.39128G	-46.94	2.4839G	-50.43	25G	-50.85	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

2462MHz

27/03/2018

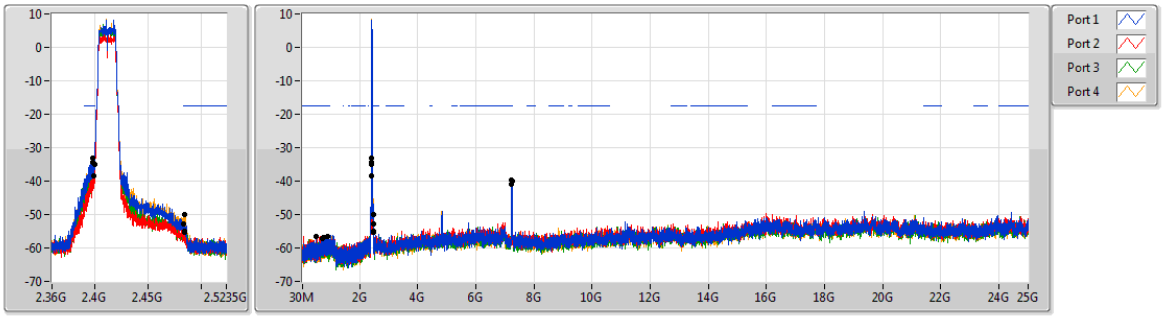


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	15.65	-14.35	816.375M	-55.64	2.39688G	-48.51	2.48446G	-49.37	16.39712G	-50.09	1
2.436406G	15.65	-14.35	2.17826G	-55.83	2.39712G	-48.85	2.48374G	-50.33	24.466183G	-50.47	2
2.436406G	15.65	-14.35	2.1969G	-54.97	2.39824G	-48.44	2.48382G	-49.56	24.803331G	-50.68	3
2.436406G	15.65	-14.35	938.7M	-56.62	2.39968G	-48.41	2.4847G	-49.24	24.370658G	-50.83	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2412MHz

27/03/2018

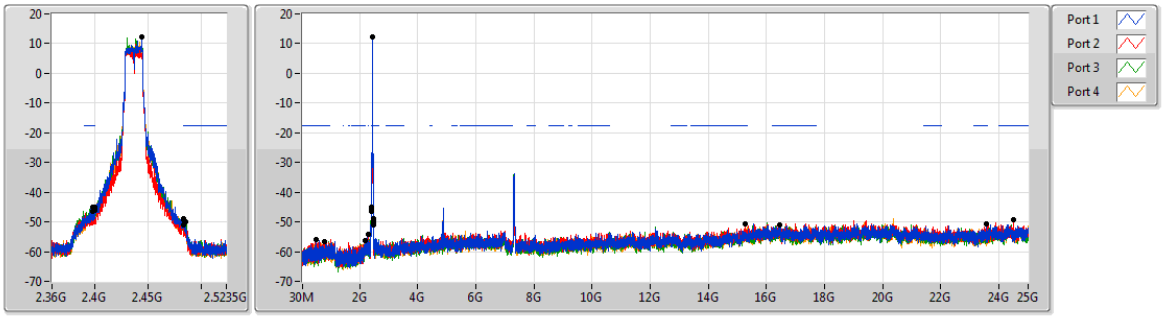


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.444422G	12.39	-17.61	507.65M	-56.47	2.39824G	-33.04	2.48366G	-52.74	7.232327G	-39.59	1
2.444422G	12.39	-17.61	901.42M	-56.42	2.39888G	-38.37	2.4839G	-55.31	7.232327G	-40.80	2
2.444422G	12.39	-17.61	734.825M	-56.79	2.39976G	-35.10	2.48454G	-54.90	7.240755G	-39.86	3
2.444422G	12.39	-17.61	708.03M	-57.24	2.39864G	-34.53	2.48422G	-49.91	7.232327G	-39.66	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2437MHz

27/03/2018

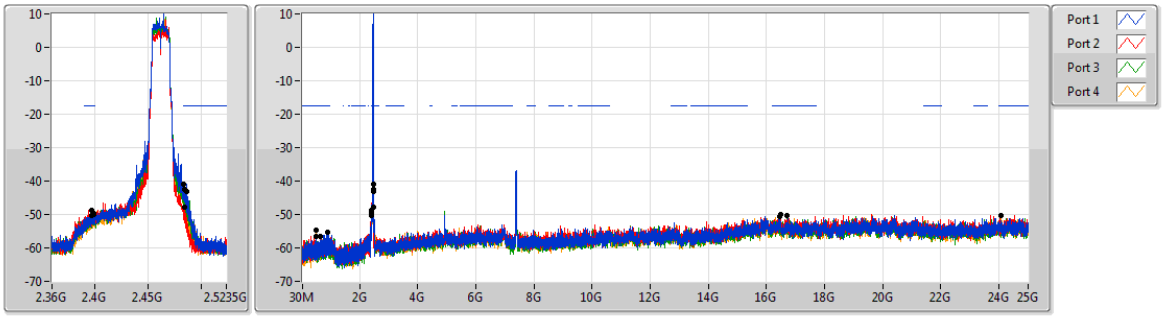


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.444422G	12.39	-17.61	2.186415G	-56.44	2.39824G	-44.95	2.48358G	-49.07	23.572742G	-50.53	1
2.444422G	12.39	-17.61	2.30874G	-54.34	2.39776G	-46.48	2.48358G	-50.90	24.48866G	-49.39	2
2.444422G	12.39	-17.61	489.01M	-55.89	2.39992G	-45.06	2.48494G	-49.83	15.256437G	-50.59	3
2.444422G	12.39	-17.61	775.6M	-56.49	2.39984G	-46.05	2.48374G	-49.14	16.453311G	-51.15	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

2462MHz

27/03/2018

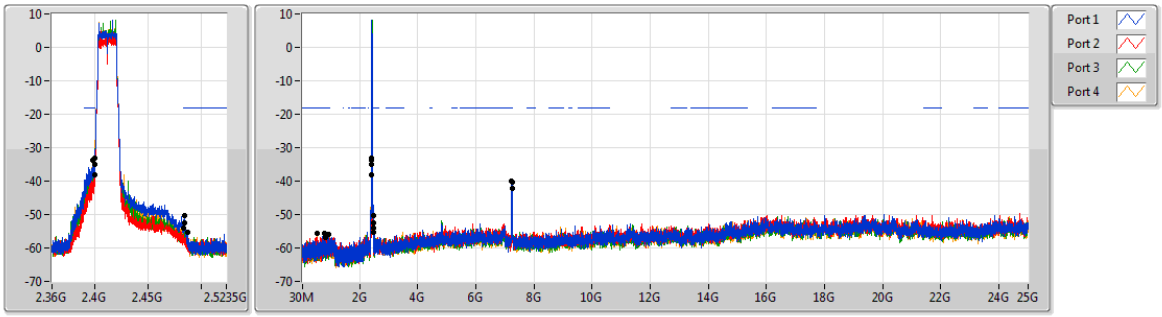


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.444422G	12.39	-17.61	887.44M	-55.18	2.3992G	-49.87	2.48358G	-40.81	16.439263G	-50.59	1
2.444422G	12.39	-17.61	639.295M	-56.70	2.39744G	-48.81	2.4843G	-47.74	16.472978G	-49.94	2
2.444422G	12.39	-17.61	485.515M	-56.66	2.39896G	-49.78	2.48446G	-42.37	16.686505G	-50.25	3
2.444422G	12.39	-17.61	487.845M	-54.77	2.3972G	-50.41	2.48662G	-43.06	24.075654G	-50.35	4

802.11ac VHT20_Nss1,(MCS0)_4TX **CSE NdB**

2412MHz

27/03/2018

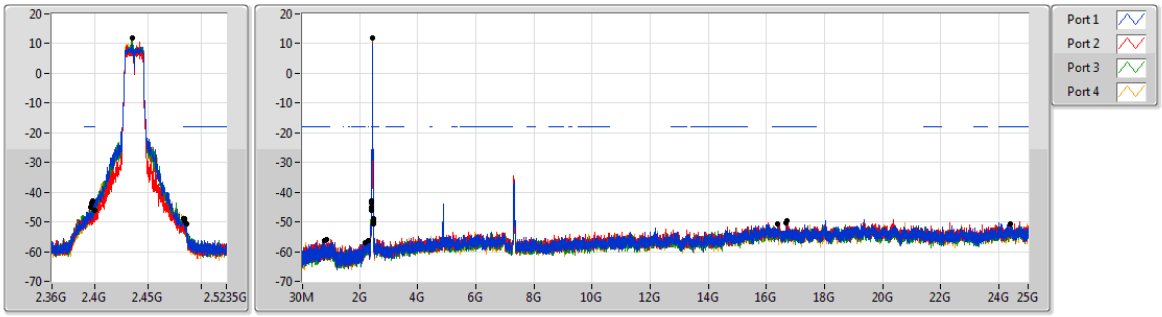


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	11.96	-18.04	932.875M	-56.03	2.39856G	-33.74	2.4847G	-50.44	7.235136G	-40.30	1
2.435738G	11.96	-18.04	797.735M	-55.49	2.39992G	-38.19	2.48374G	-54.08	7.235136G	-42.15	2
2.435738G	11.96	-18.04	808.22M	-56.74	2.39976G	-34.85	2.48702G	-55.35	7.240755G	-40.30	3
2.435738G	11.96	-18.04	521.63M	-55.72	2.39984G	-33.24	2.4839G	-52.38	7.226708G	-40.12	4

802.11ac VHT20_Nss1,(MCS0)_4TX **CSE NdB**

2437MHz

27/03/2018

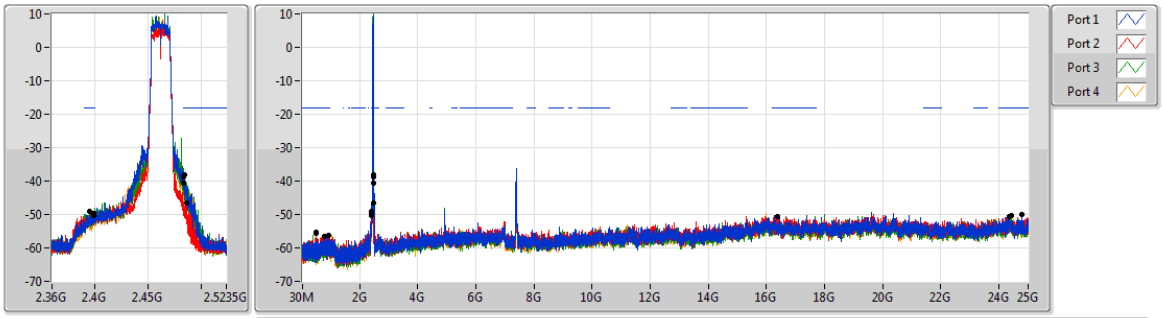


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	11.96	-18.04	2.307575G	-56.25	2.3976G	-43.65	2.48438G	-48.81	16.374643G	-50.61	1
2.435738G	11.96	-18.04	872.295M	-55.87	2.39976G	-45.93	2.48382G	-48.95	16.708981G	-49.44	2
2.435738G	11.96	-18.04	2.17826G	-56.83	2.39816G	-42.82	2.48638G	-50.78	24.376277G	-50.68	3
2.435738G	11.96	-18.04	790.745M	-56.30	2.39584G	-45.00	2.48438G	-49.51	16.64998G	-50.25	4

802.11ac VHT20_Nss1,(MCS0)_4TX **CSE NdB**

2462MHz

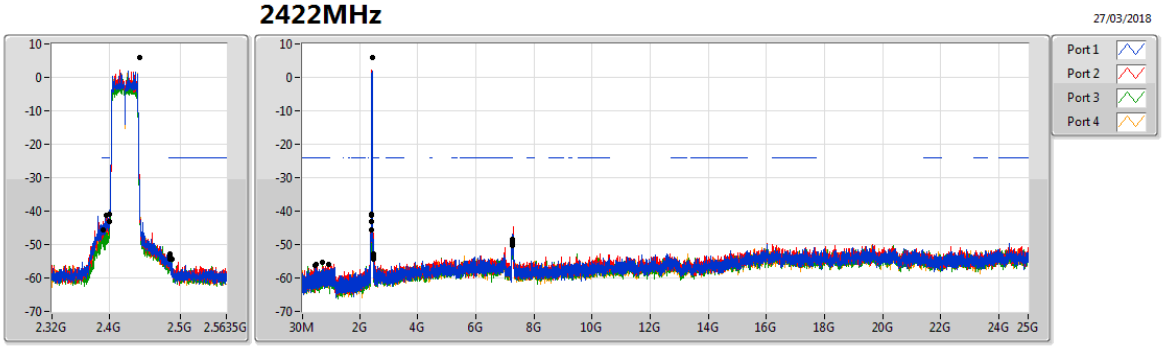
27/03/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	11.96	-18.04	928.215M	-56.31	2.3988G	-49.62	2.48358G	-38.73	24.800521G	-50.05	1
2.435738G	11.96	-18.04	490.175M	-55.58	2.39864G	-49.64	2.48606G	-46.66	24.339753G	-50.49	2
2.435738G	11.96	-18.04	491.34M	-55.33	2.3952G	-49.19	2.48414G	-38.18	24.409992G	-50.32	3
2.435738G	11.96	-18.04	794.24M	-56.51	2.39904G	-50.40	2.48358G	-40.47	16.374643G	-50.78	4

802.11ac VHT40_Nss1,(MCS0)_4TX **CSE NdB**

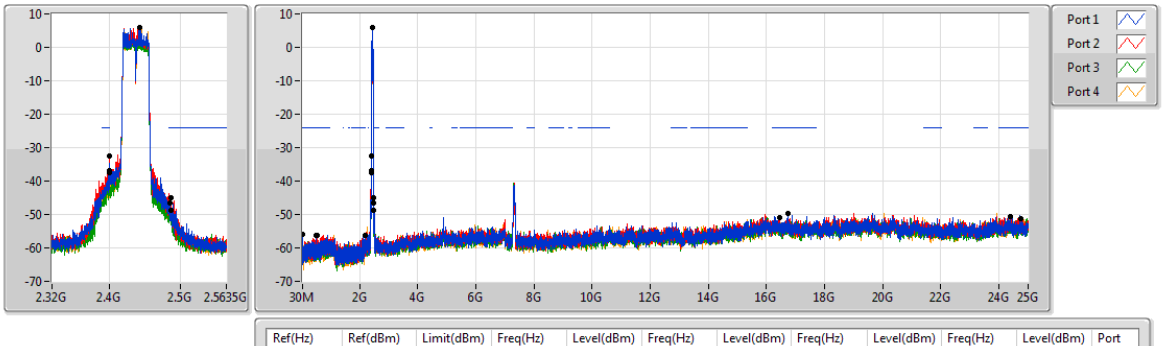
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	6.07	-23.93	478.84M	-56.33	2.39952G	-41.07	2.48542G	-52.96	7.247119G	-48.30	1
2.441917G	6.07	-23.93	923.1M	-56.07	2.39584G	-41.35	2.48446G	-53.73	7.249924G	-48.95	2
2.441917G	6.07	-23.93	721.58M	-55.29	2.39184G	-45.53	2.48734G	-54.38	7.247119G	-50.24	3
2.441917G	6.07	-23.93	492.58M	-55.98	2.39952G	-43.26	2.48494G	-54.39	7.249924G	-49.95	4

802.11ac VHT40_Nss1,(MCS0)_4TX **CSE NdB**

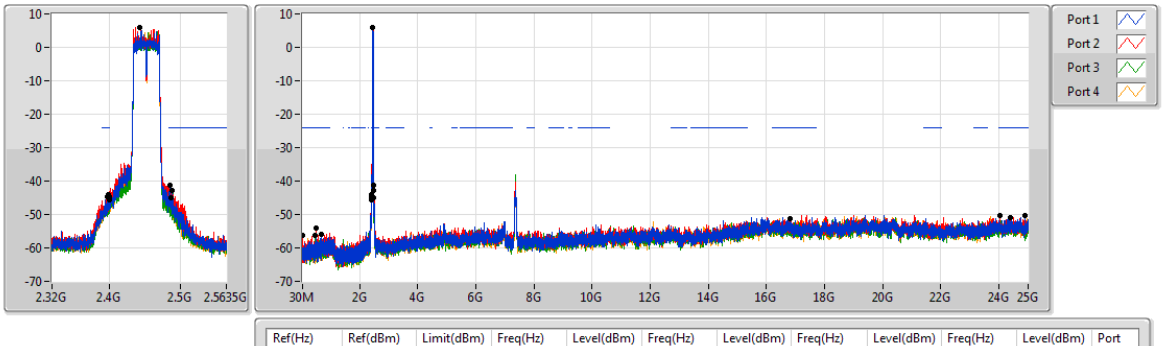
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	6.07	-23.93	2.19863G	-56.26	2.39968G	-37.64	2.48446G	-46.43	16.726541G	-49.64	1
2.441917G	6.07	-23.93	31.145M	-55.91	2.39952G	-32.47	2.48558G	-44.95	24.402628G	-50.50	2
2.441917G	6.07	-23.93	497.16M	-56.18	2.39952G	-36.91	2.4867G	-48.79	24.739176G	-51.20	3
2.441917G	6.07	-23.93	531.51M	-56.21	2.39952G	-37.10	2.48446G	-46.57	16.44328G	-50.85	4

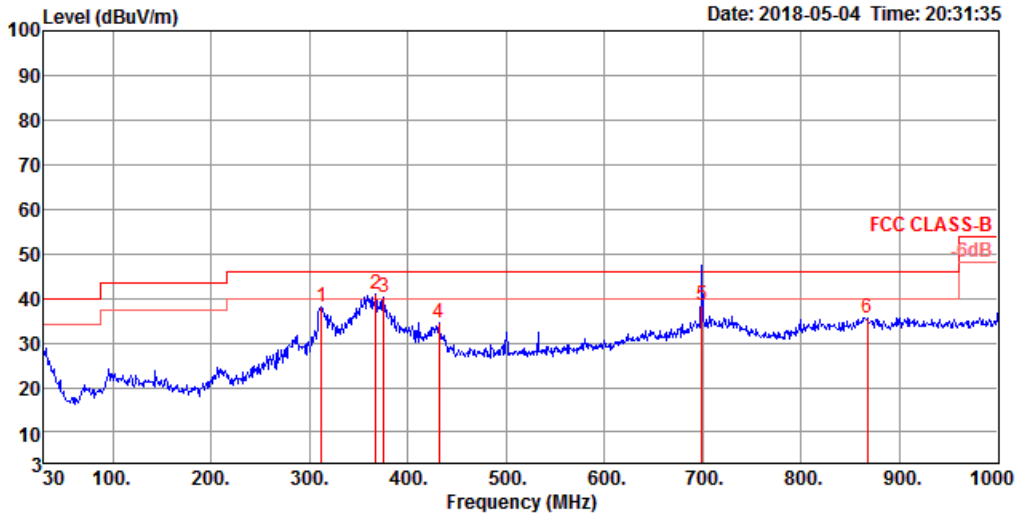
802.11ac VHT40_Nss1,(MCS0)_4TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	6.07	-23.93	659.75M	-56.08	2.39712G	-44.66	2.48414G	-41.24	24.896231G	-50.46	1
2.441917G	6.07	-23.93	496.015M	-54.01	2.39888G	-44.11	2.4843G	-41.16	24.024012G	-50.22	2
2.441917G	6.07	-23.93	471.97M	-56.36	2.39984G	-45.47	2.48814G	-42.73	16.821896G	-51.29	3
2.441917G	6.07	-23.93	30M	-56.30	2.39984G	-44.84	2.48606G	-45.04	24.399824G	-51.03	4

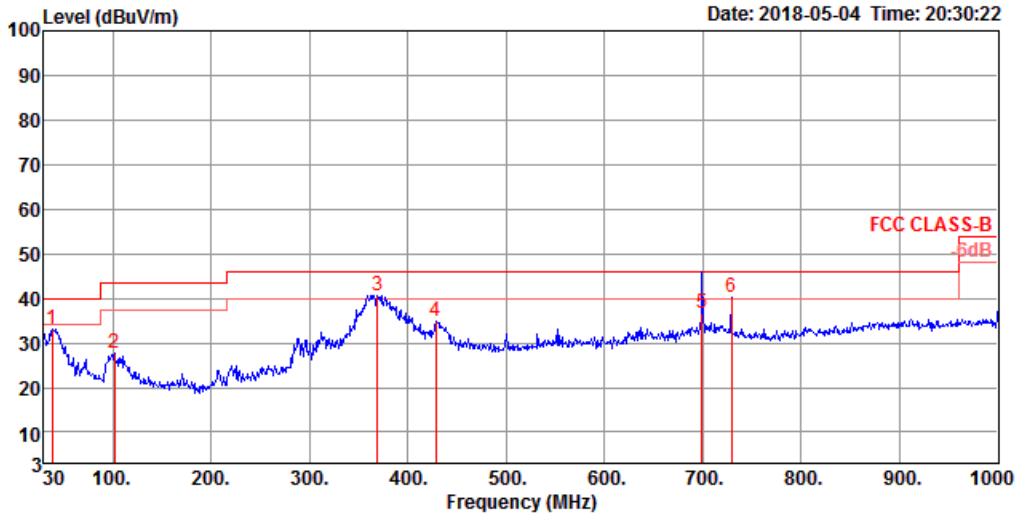
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	CTX - Radio 1 (2.4GHz)		



	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	312.27	38.06	46.00	-7.94	47.86	2.31	20.15	32.26	100	162	Peak	HORIZONTAL
2	367.56	40.94	46.00	-5.06	49.57	1.96	21.68	32.27	125	210	Peak	HORIZONTAL
3	375.32	40.10	46.00	-5.90	48.28	2.22	21.88	32.28	150	210	Peak	HORIZONTAL
4	431.58	34.53	46.00	-11.47	41.19	2.82	22.82	32.30	200	264	Peak	HORIZONTAL
5	699.30	38.52	46.00	-7.48	42.00	3.28	25.60	32.36	169	210	QP	HORIZONTAL
6	867.11	35.58	46.00	-10.42	36.75	3.16	27.42	31.75	100	273	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	1	**Polarization**	Vertical
Operating Function	CTX - Radio 1 (2.4GHz)		



	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	38.73	33.07	40.00	-6.93	43.86	1.12	20.51	32.42	100	6	Peak	VERTICAL
2	101.78	27.60	43.50	-15.90	41.81	0.86	17.30	32.37	300	234	Peak	VERTICAL
3	369.50	40.70	46.00	-5.30	49.26	2.00	21.71	32.27	200	79	Peak	VERTICAL
4	428.67	34.97	46.00	-11.03	41.64	2.84	22.79	32.30	150	284	Peak	VERTICAL
5	699.30	36.52	46.00	-9.48	40.00	3.28	25.60	32.36	135	88	QP	VERTICAL
6	729.37	40.17	46.00	-5.83	42.90	3.58	25.96	32.27	125	185	Peak	VERTICAL

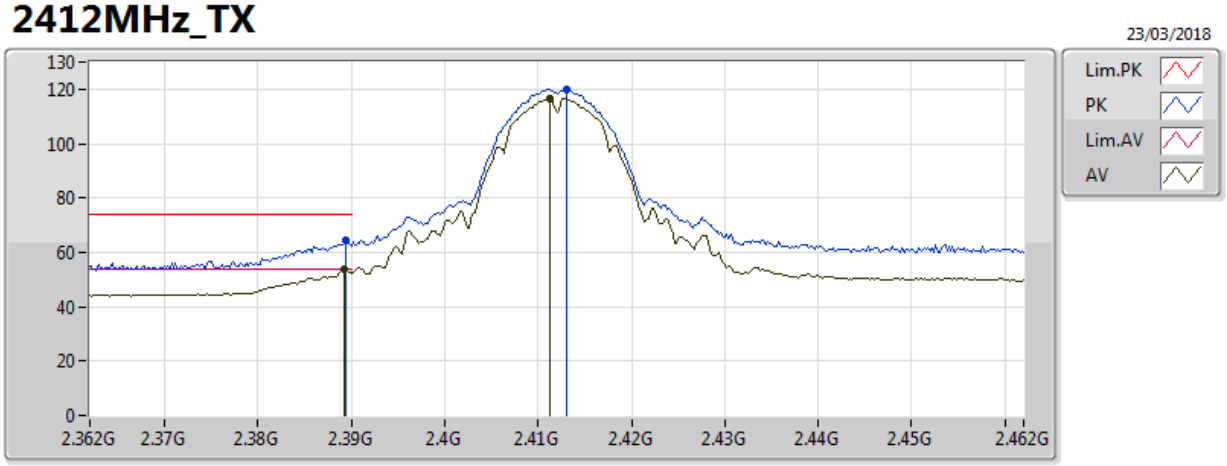
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	2.4838G	53.98	54.00	-0.02	31.17	3	Vertical	87	1.79	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

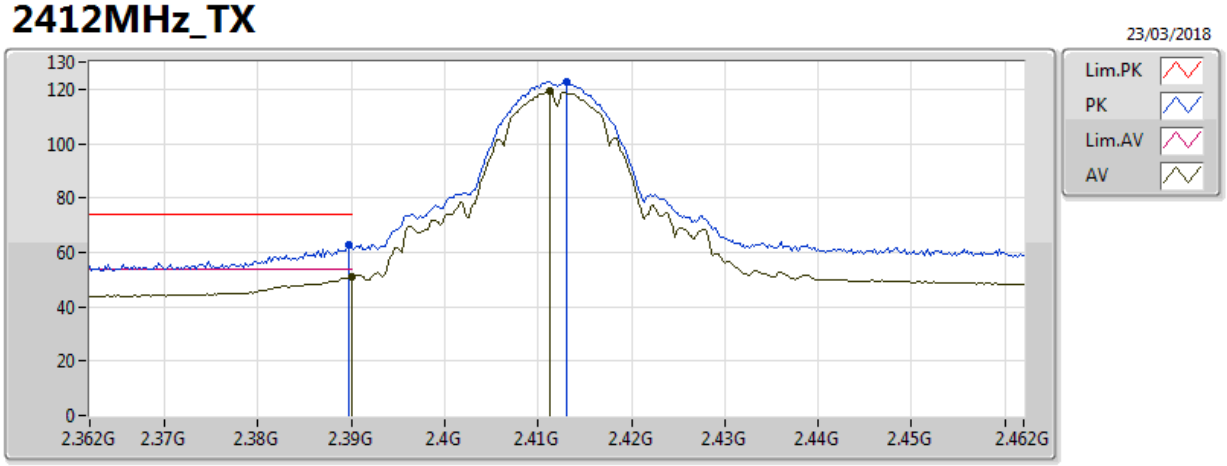


EUT Y_4TX
Setting 103
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	53.77	54.00	-0.23	30.97	3	Vertical	21	1.48	-
AV	2.4112G	116.57	Inf	-Inf	30.96	3	Vertical	21	1.48	-
PK	2.3894G	64.36	74.00	-9.64	30.97	3	Vertical	21	1.48	-
PK	2.413G	120.14	Inf	-Inf	30.97	3	Vertical	21	1.48	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

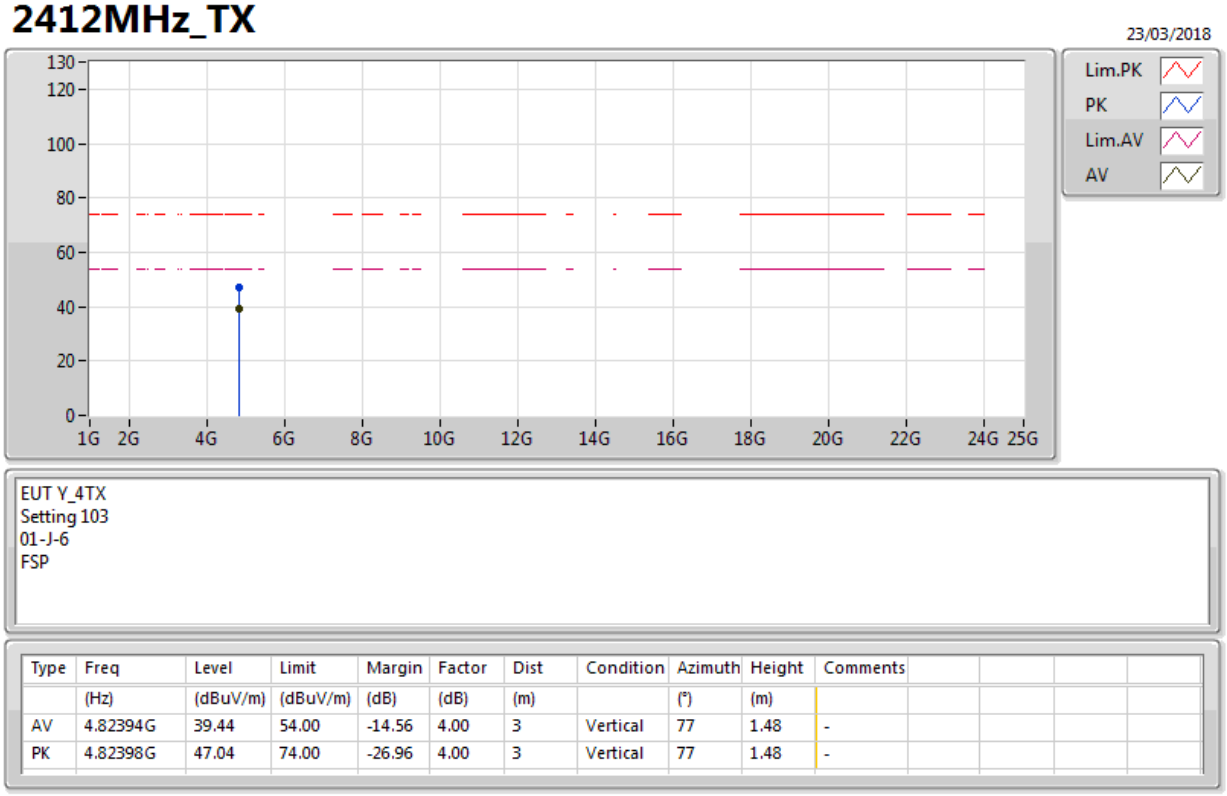


EUT Y_4TX
Setting 103
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	50.91	54.00	-3.09	30.97	3	Horizontal	308	1.88	-
AV	2.4112G	119.13	Inf	-Inf	30.96	3	Horizontal	308	1.88	-
PK	2.3898G	62.60	74.00	-11.40	30.97	3	Horizontal	308	1.88	-
PK	2.413G	122.75	Inf	-Inf	30.97	3	Horizontal	308	1.88	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

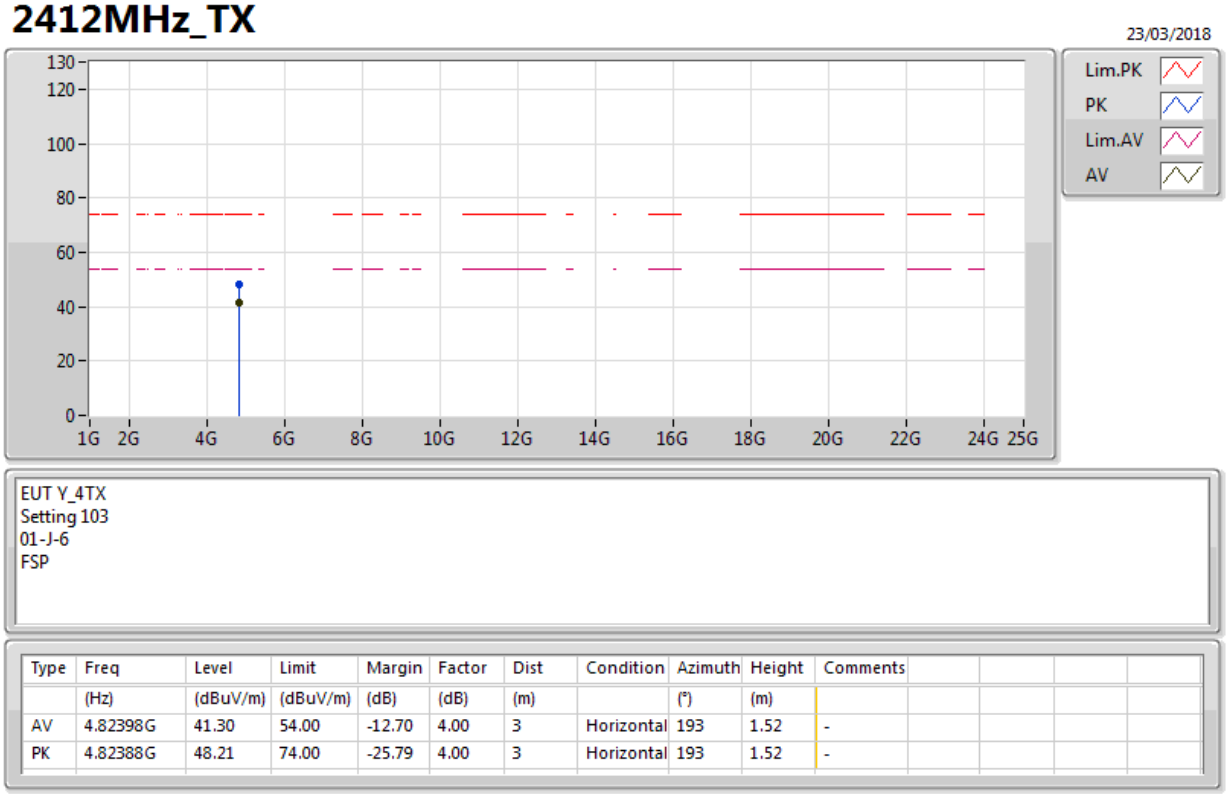


EUT Y_4TX
Setting 103
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82394G	39.44	54.00	-14.56	4.00	3	Vertical	77	1.48	-
PK	4.82398G	47.04	74.00	-26.96	4.00	3	Vertical	77	1.48	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

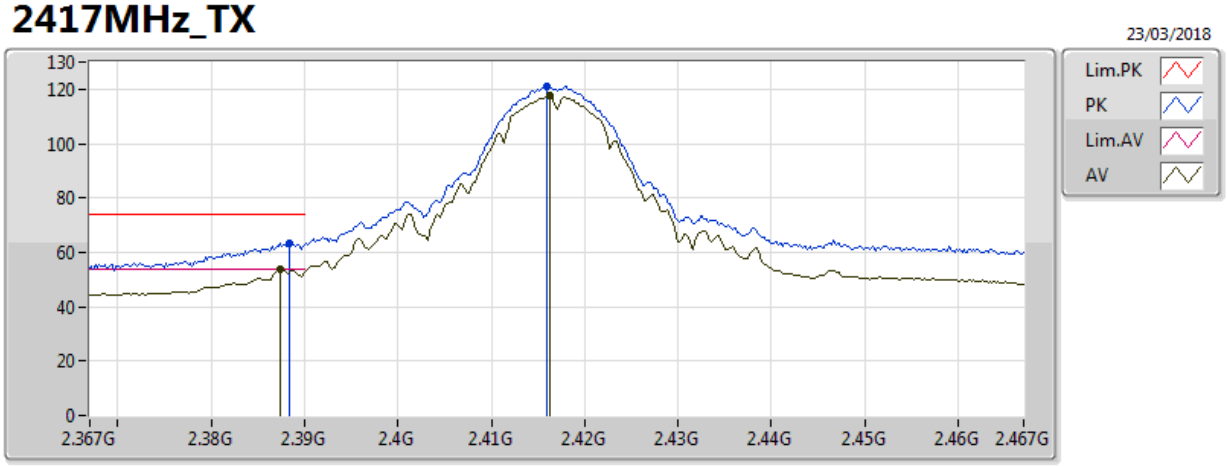


EUT Y_4TX
Setting 103
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82398G	41.30	54.00	-12.70	4.00	3	Horizontal	193	1.52	-
PK	4.82388G	48.21	74.00	-25.79	4.00	3	Horizontal	193	1.52	-

802.11b_Nss1,(1Mbps)_4TX

2417MHz_TX

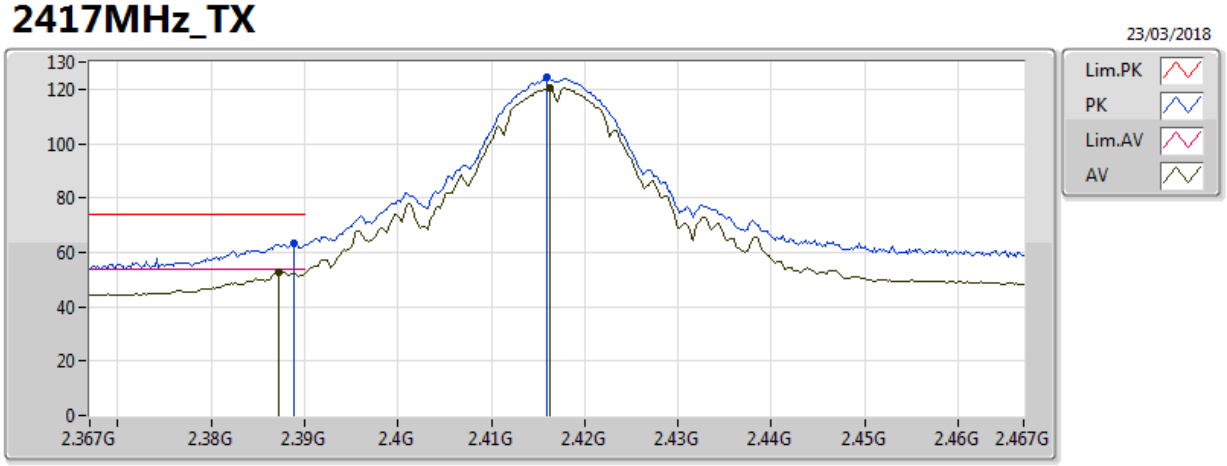


EUT Y_4TX
Setting 110
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3874G	53.72	54.00	-0.28	30.97	3	Vertical	34	1.49	-
AV	2.4162G	117.47	Inf	-Inf	30.98	3	Vertical	34	1.49	-
PK	2.3884G	63.18	74.00	-10.82	30.97	3	Vertical	34	1.49	-
PK	2.416G	121.08	Inf	-Inf	30.98	3	Vertical	34	1.49	-

802.11b_Nss1,(1Mbps)_4TX

2417MHz_TX

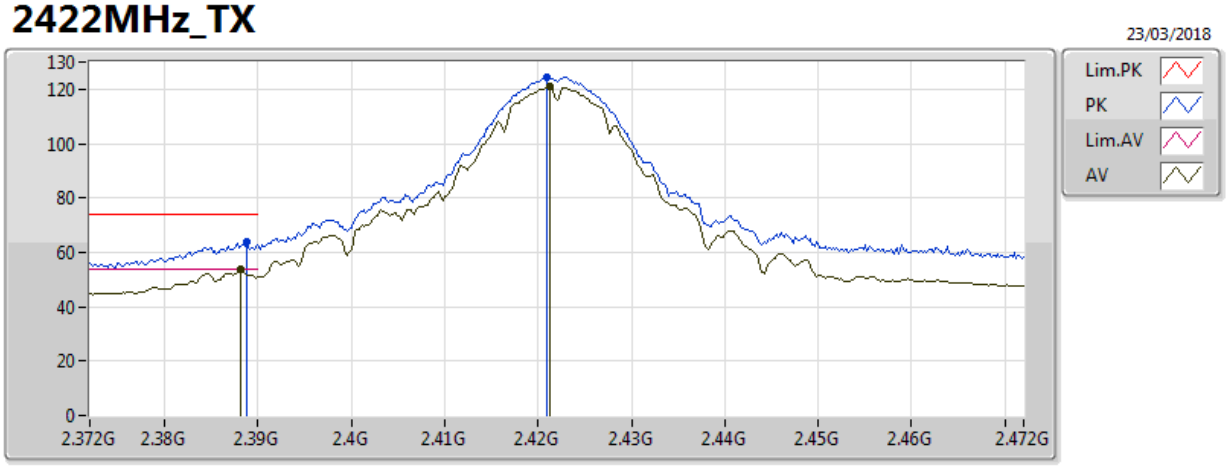


EUT Y_4TX
Setting 110
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3872G	52.91	54.00	-1.09	30.97	3	Horizontal	269	1.85	-
AV	2.4162G	120.61	Inf	-Inf	30.98	3	Horizontal	269	1.85	-
PK	2.3888G	63.36	74.00	-10.64	30.97	3	Horizontal	269	1.85	-
PK	2.416G	124.14	Inf	-Inf	30.98	3	Horizontal	269	1.85	-

802.11b_Nss1,(1Mbps)_4TX

2422MHz_TX

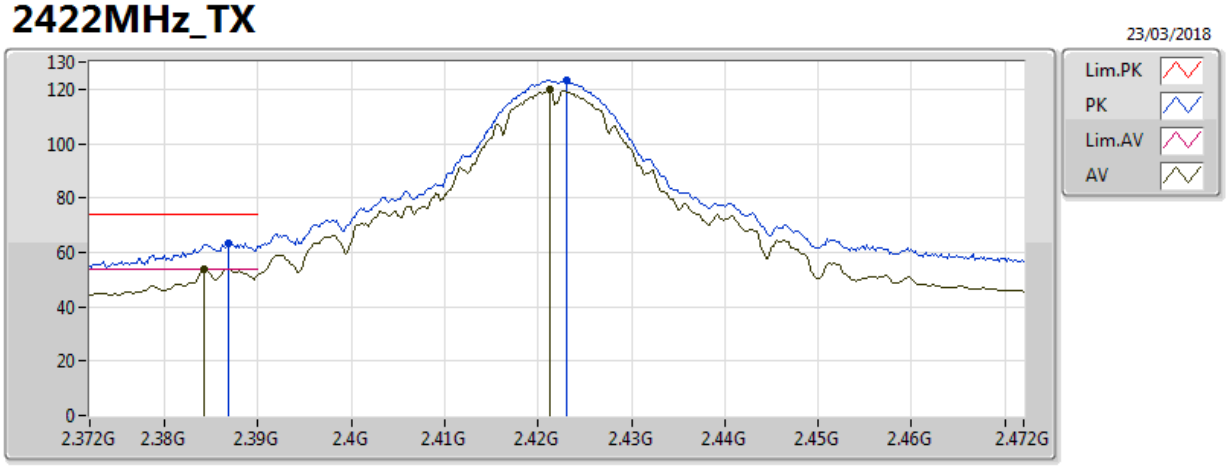


EUT Y_4TX
Setting 115
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	53.66	54.00	-0.34	30.97	3	Vertical	360	2.53	-
AV	2.4212G	121.08	Inf	-Inf	30.99	3	Vertical	360	2.53	-
PK	2.3888G	63.93	74.00	-10.07	30.96	3	Vertical	360	2.53	-
PK	2.421G	124.53	Inf	-Inf	30.99	3	Vertical	360	2.53	-

802.11b_Nss1,(1Mbps)_4TX

2422MHz_TX

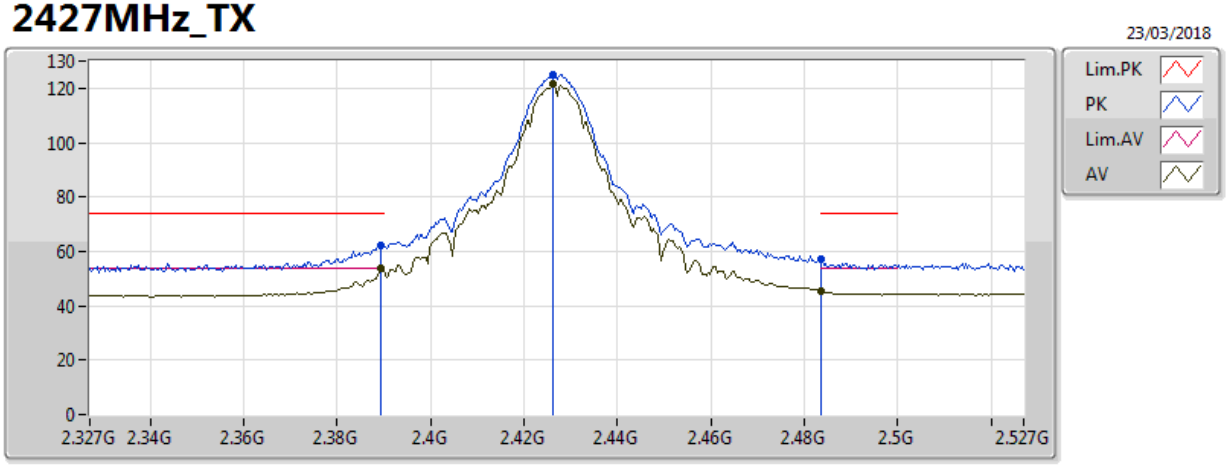


EUT Y_4TX
Setting 115
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3842G	53.65	54.00	-0.35	30.97	3	Horizontal	128	2.66	-
AV	2.4212G	119.87	Inf	-Inf	30.99	3	Horizontal	128	2.66	-
PK	2.3868G	63.57	74.00	-10.43	30.97	3	Horizontal	128	2.66	-
PK	2.423G	123.51	Inf	-Inf	31.00	3	Horizontal	128	2.66	-

802.11b_Nss1,(1Mbps)_4TX

2427MHz_TX

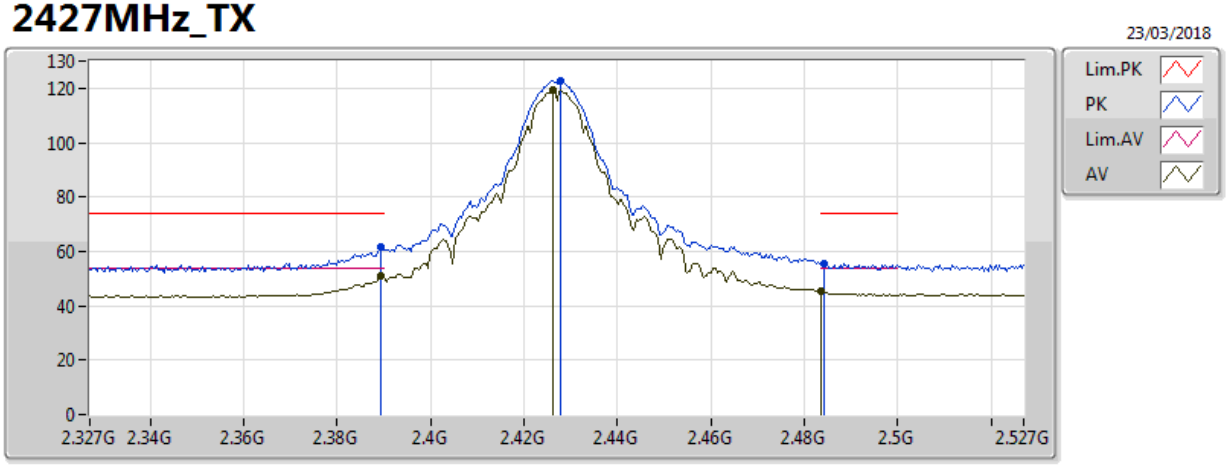


EUT Y_4TX
Setting 115
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	53.79	54.00	-0.21	30.97	3	Vertical	38	1.18	-
AV	2.4262G	121.36	Inf	-Inf	31.01	3	Vertical	38	1.18	-
AV	2.483502G	45.58	54.00	-8.42	31.17	3	Vertical	38	1.18	-
PK	2.3894G	62.40	74.00	-11.60	30.97	3	Vertical	38	1.18	-
PK	2.4262G	124.93	Inf	-Inf	31.01	3	Vertical	38	1.18	-
PK	2.483502G	57.38	74.00	-16.62	31.17	3	Vertical	38	1.18	-

802.11b_Nss1,(1Mbps)_4TX

2427MHz_TX

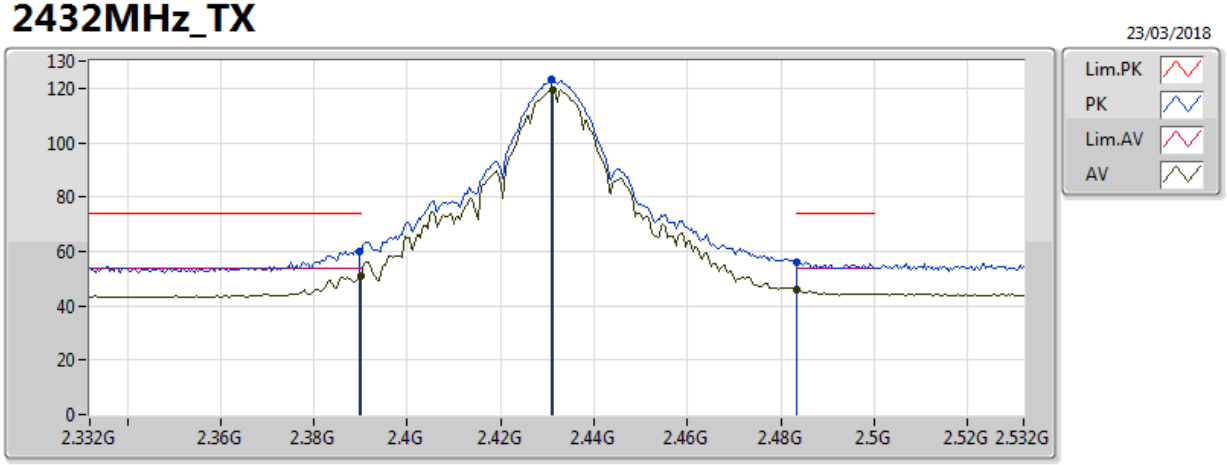


EUT Y_4TX
Setting 115
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	51.19	54.00	-2.81	30.97	3	Horizontal	269	1.84	-
AV	2.4262G	119.43	Inf	-Inf	31.01	3	Horizontal	269	1.84	-
AV	2.483502G	45.36	54.00	-8.64	31.17	3	Horizontal	269	1.84	-
PK	2.3894G	61.40	74.00	-12.60	30.97	3	Horizontal	269	1.84	-
PK	2.4278G	122.96	Inf	-Inf	31.01	3	Horizontal	269	1.84	-
PK	2.4842G	55.60	74.00	-18.40	31.17	3	Horizontal	269	1.84	-

802.11b_Nss1,(1Mbps)_4TX

2432MHz_TX

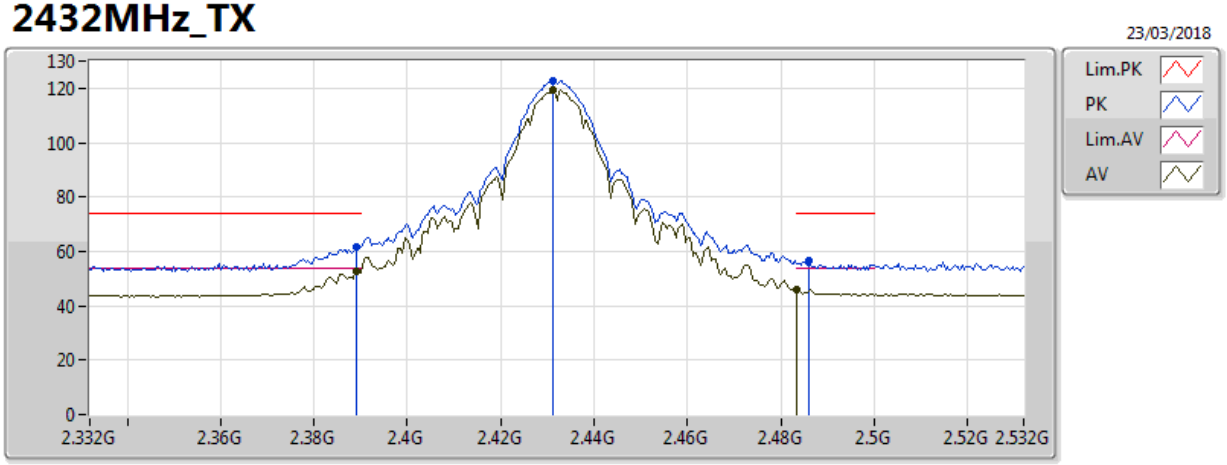


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	51.20	54.00	-2.80	30.97	3	Vertical	221	1.88	-
AV	2.4312G	119.60	Inf	-Inf	31.02	3	Vertical	221	1.88	-
AV	2.483502G	46.02	54.00	-7.98	31.17	3	Vertical	221	1.88	-
PK	2.3896G	59.97	74.00	-14.03	30.97	3	Vertical	221	1.88	-
PK	2.4308G	123.13	Inf	-Inf	31.02	3	Vertical	221	1.88	-
PK	2.483502G	56.08	74.00	-17.92	31.17	3	Vertical	221	1.88	-

802.11b_Nss1,(1Mbps)_4TX

2432MHz_TX

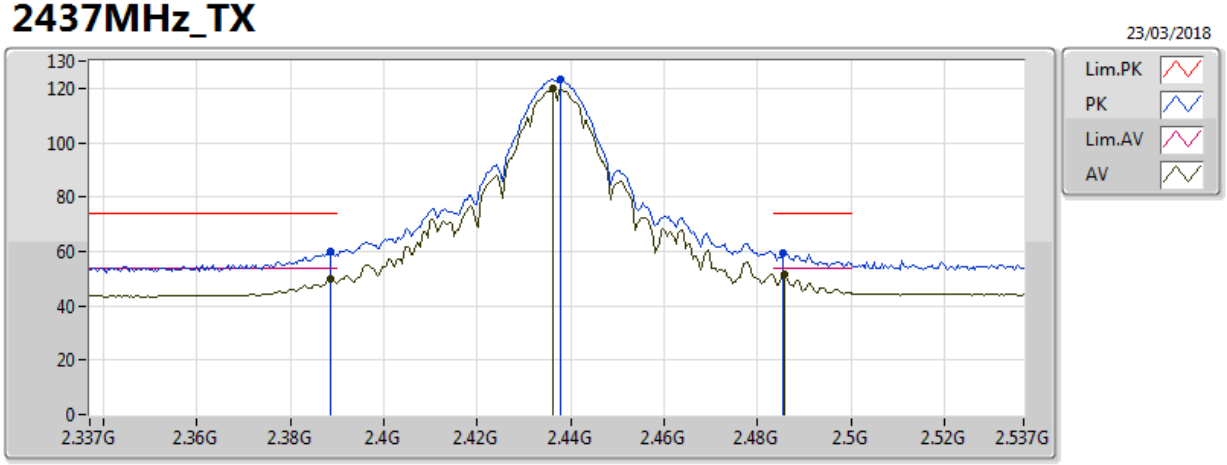


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	52.60	54.00	-1.40	30.97	3	Horizontal	161	1.89	-
AV	2.4312G	119.52	Inf	-Inf	31.02	3	Horizontal	161	1.89	-
AV	2.483502G	45.99	54.00	-8.01	31.17	3	Horizontal	161	1.89	-
PK	2.3892G	61.45	74.00	-12.55	30.97	3	Horizontal	161	1.89	-
PK	2.4312G	122.98	Inf	-Inf	31.02	3	Horizontal	161	1.89	-
PK	2.486G	56.39	74.00	-17.61	31.18	3	Horizontal	161	1.89	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

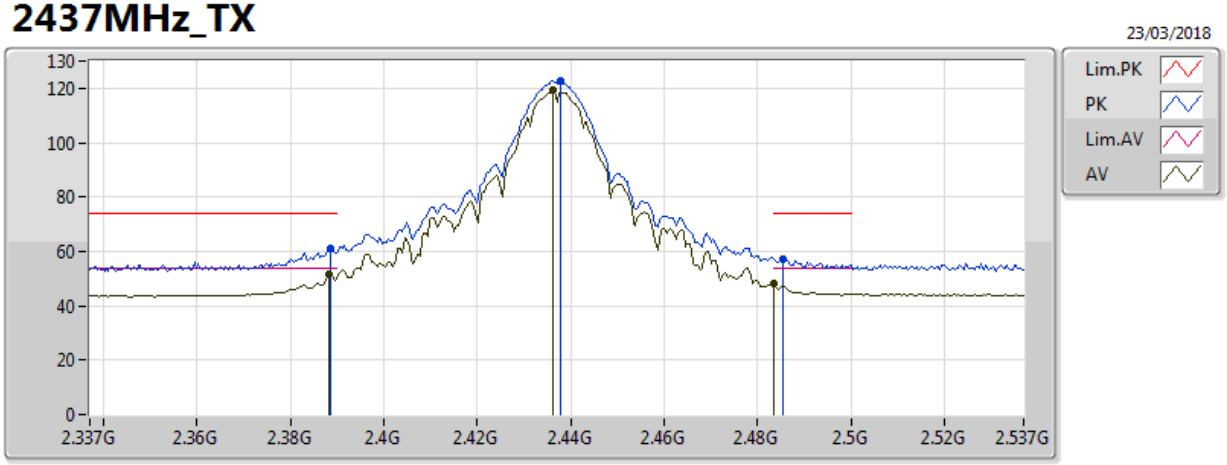


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3886G	50.14	54.00	-3.86	30.97	3	Vertical	95	2.42	-
AV	2.4362G	119.99	Inf	-Inf	31.03	3	Vertical	95	2.42	-
AV	2.4858G	51.72	54.00	-2.28	31.18	3	Vertical	95	2.42	-
PK	2.3886G	59.90	74.00	-14.10	30.97	3	Vertical	95	2.42	-
PK	2.4378G	123.55	Inf	-Inf	31.04	3	Vertical	95	2.42	-
PK	2.4854G	59.43	74.00	-14.57	31.18	3	Vertical	95	2.42	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

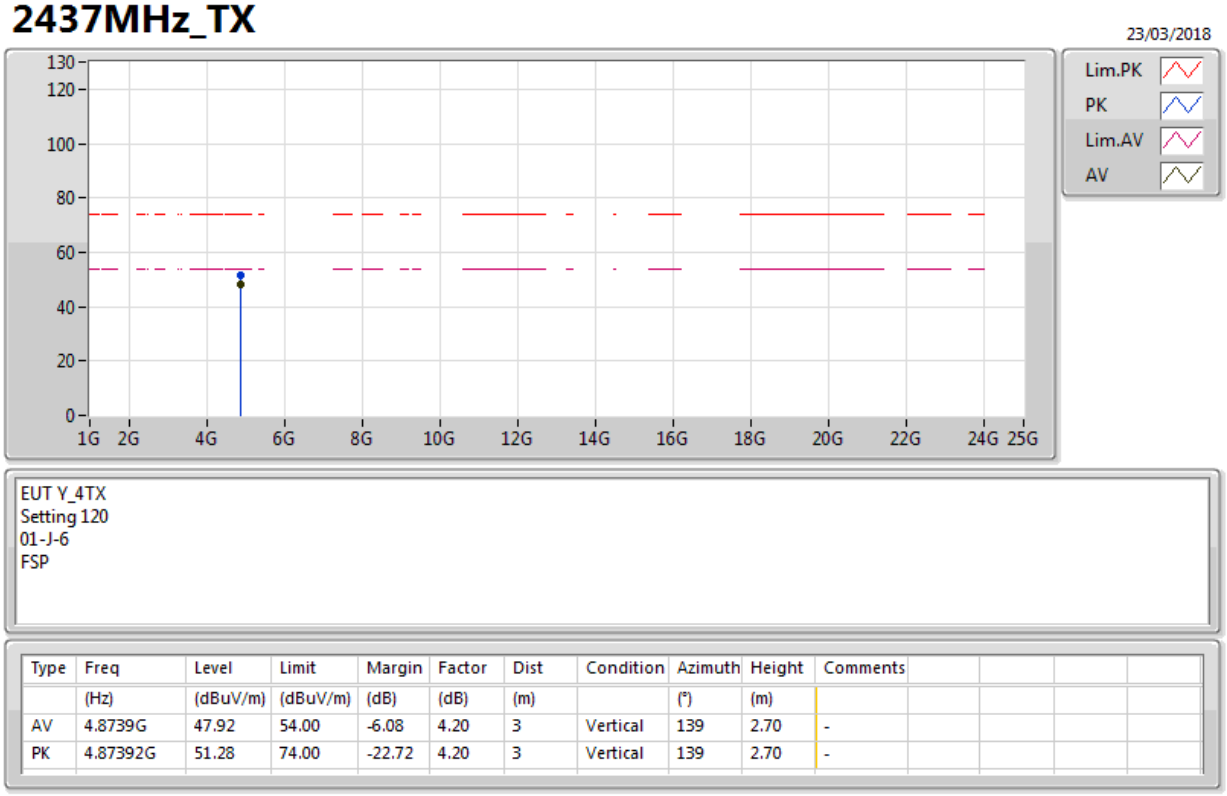


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	51.83	54.00	-2.17	30.97	3	Horizontal	167	1.91	-
AV	2.4362G	119.23	Inf	-Inf	31.03	3	Horizontal	167	1.91	-
AV	2.483502G	47.97	54.00	-6.03	31.17	3	Horizontal	167	1.91	-
PK	2.3886G	61.25	74.00	-12.75	30.97	3	Horizontal	167	1.91	-
PK	2.4378G	122.76	Inf	-Inf	31.04	3	Horizontal	167	1.91	-
PK	2.4854G	57.42	74.00	-16.58	31.18	3	Horizontal	167	1.91	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

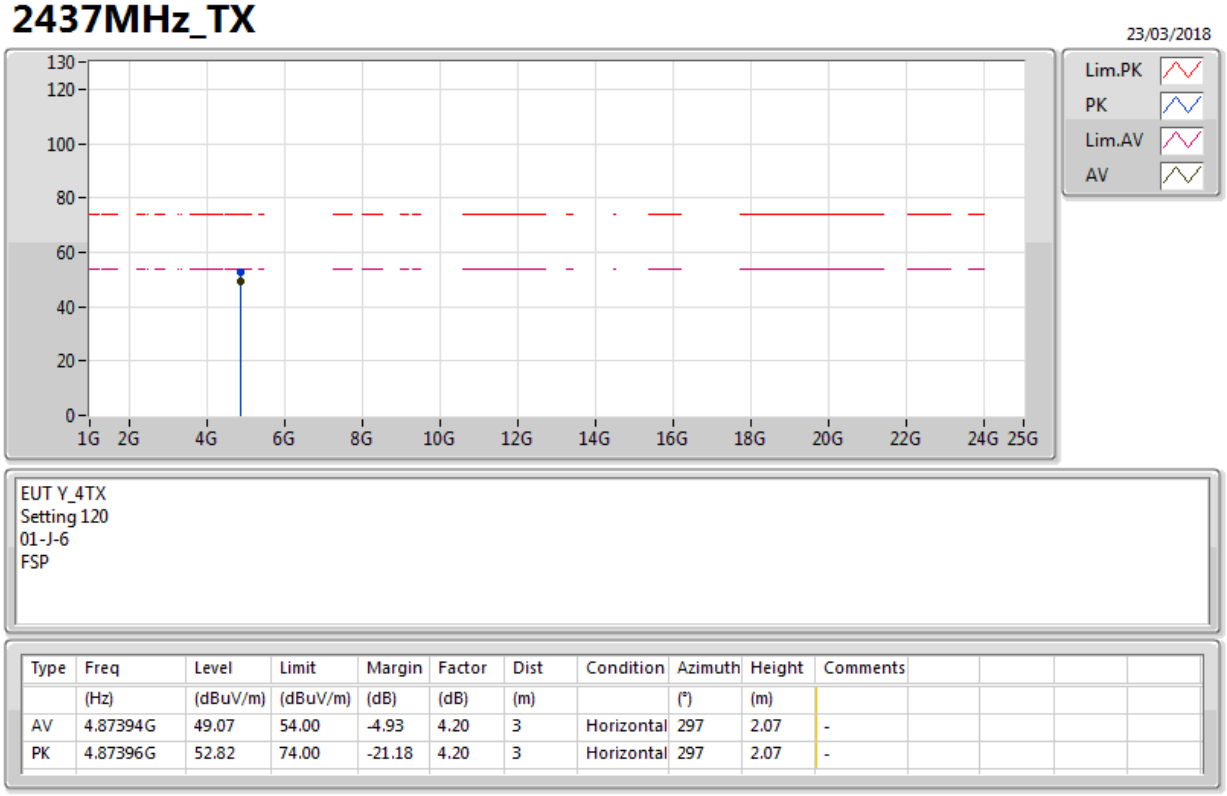


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8739G	47.92	54.00	-6.08	4.20	3	Vertical	139	2.70	-
PK	4.87392G	51.28	74.00	-22.72	4.20	3	Vertical	139	2.70	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

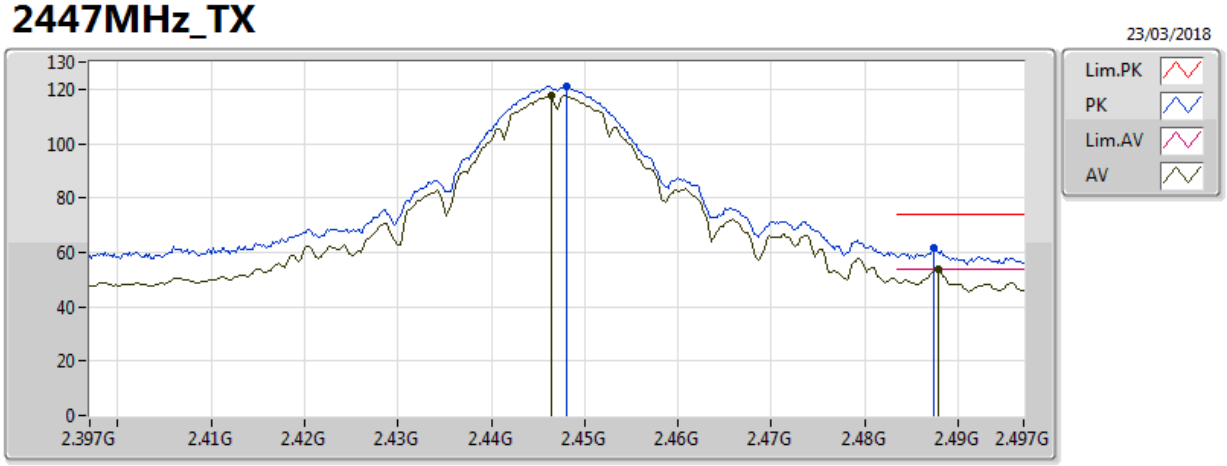


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	49.07	54.00	-4.93	4.20	3	Horizontal	297	2.07	-
PK	4.87396G	52.82	74.00	-21.18	4.20	3	Horizontal	297	2.07	-

802.11b_Nss1,(1Mbps)_4TX

2447MHz_TX

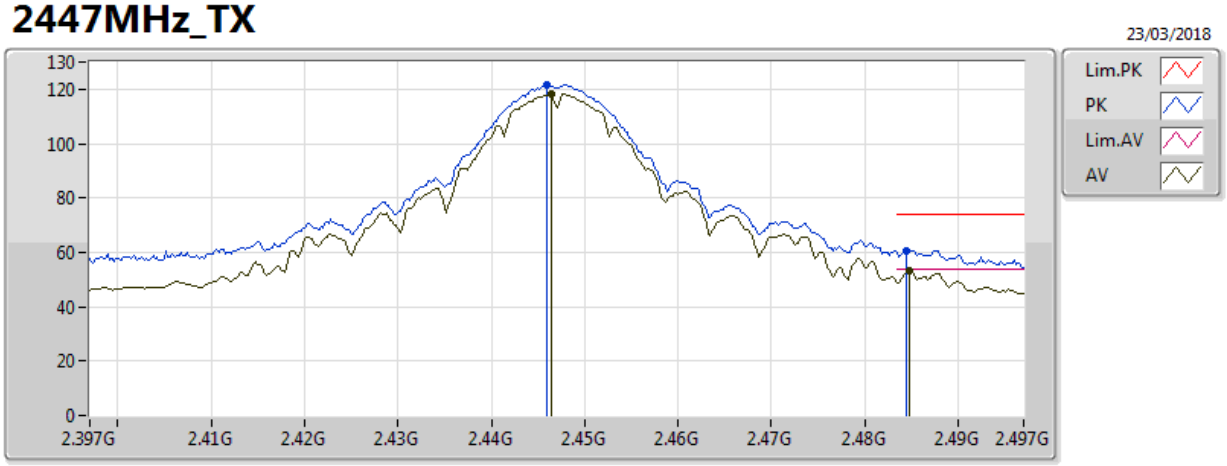


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4464G	117.66	Inf	-Inf	31.06	3	Vertical	49	1.66	-
AV	2.4878G	53.56	54.00	-0.44	31.19	3	Vertical	49	1.66	-
PK	2.448G	121.19	Inf	-Inf	31.07	3	Vertical	49	1.66	-
PK	2.4874G	61.47	74.00	-12.53	31.18	3	Vertical	49	1.66	-

802.11b_Nss1,(1Mbps)_4TX

2447MHz_TX

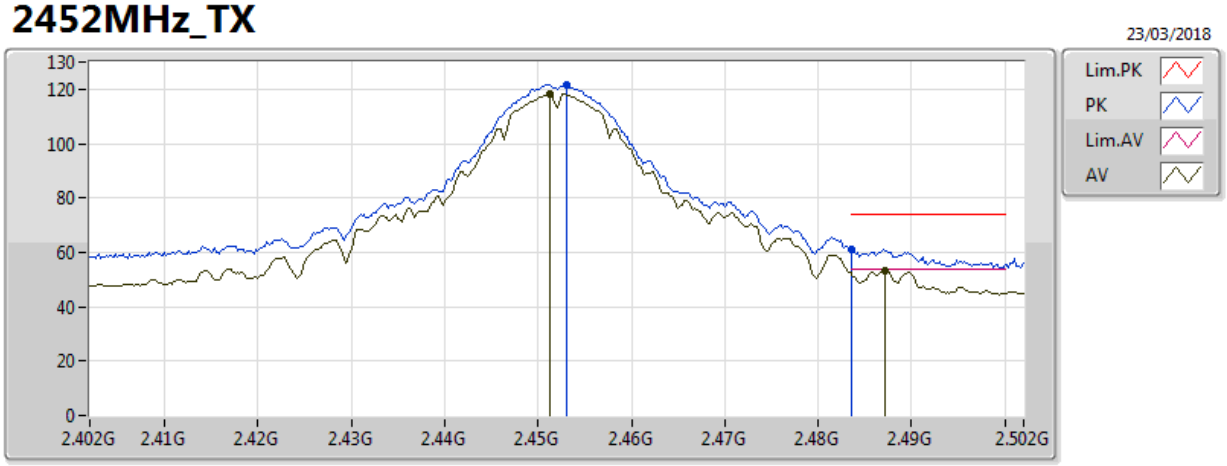


EUT Y_4TX
Setting 120
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4464G	118.38	Inf	-Inf	31.06	3	Horizontal	278	1.53	-
AV	2.4848G	53.08	54.00	-0.92	31.17	3	Horizontal	278	1.53	-
PK	2.446G	121.86	Inf	-Inf	31.06	3	Horizontal	278	1.53	-
PK	2.4844G	60.71	74.00	-13.29	31.17	3	Horizontal	278	1.53	-

802.11b_Nss1,(1Mbps)_4TX

2452MHz_TX

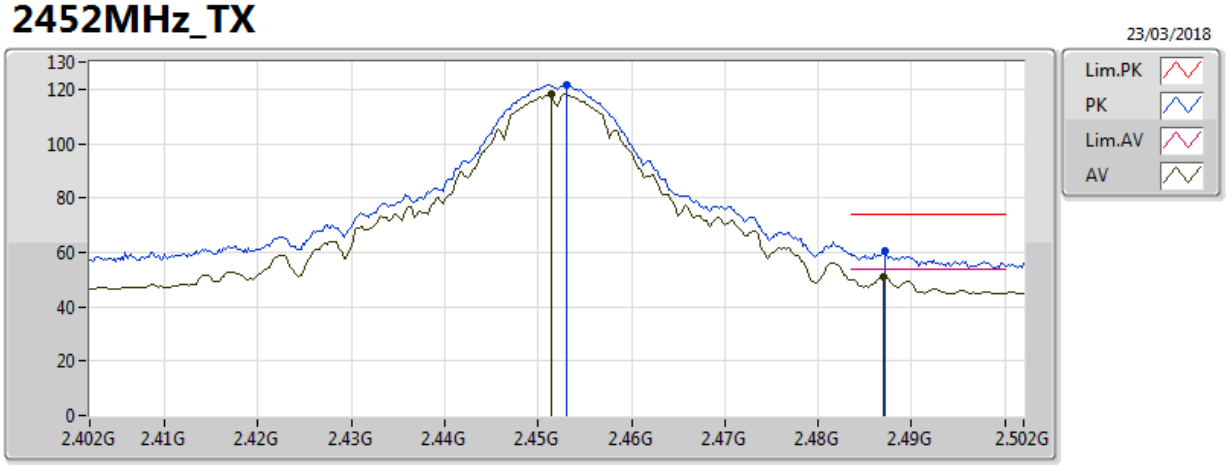


EUT Y_4TX
Setting 115
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4512G	118.27	Inf	-Inf	31.08	3	Vertical	289	2.99	-
AV	2.4872G	53.37	54.00	-0.63	31.18	3	Vertical	289	2.99	-
PK	2.453G	121.74	Inf	-Inf	31.08	3	Vertical	289	2.99	-
PK	2.4836G	61.11	74.00	-12.89	31.17	3	Vertical	289	2.99	-

802.11b_Nss1,(1Mbps)_4TX

2452MHz_TX

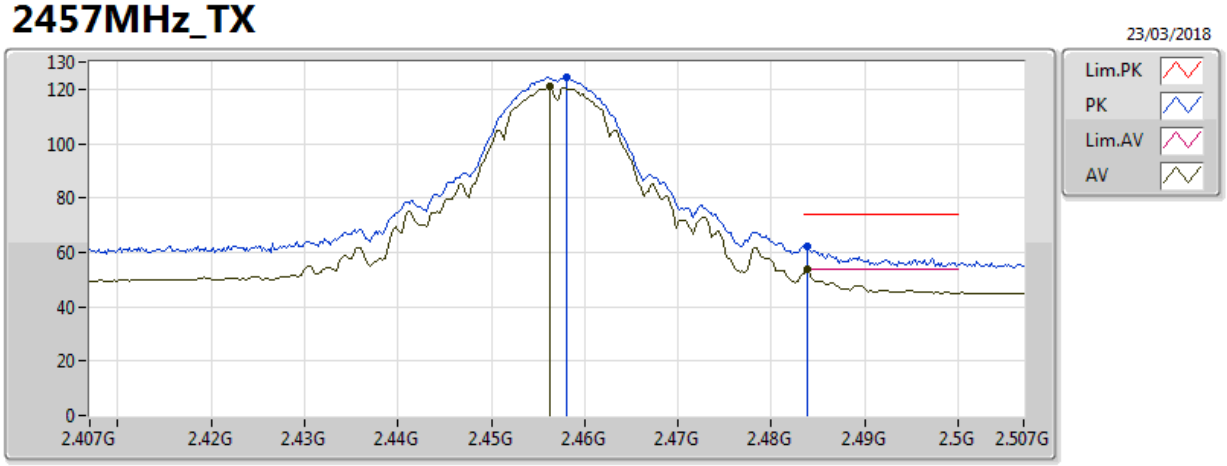


EUT Y_4TX
Setting 115
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4514G	118.36	Inf	-Inf	31.08	3	Horizontal	307	2.99	-
AV	2.487G	50.88	54.00	-3.12	31.18	3	Horizontal	307	2.99	-
PK	2.453G	121.84	Inf	-Inf	31.08	3	Horizontal	307	2.99	-
PK	2.4872G	60.24	74.00	-13.76	31.18	3	Horizontal	307	2.99	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

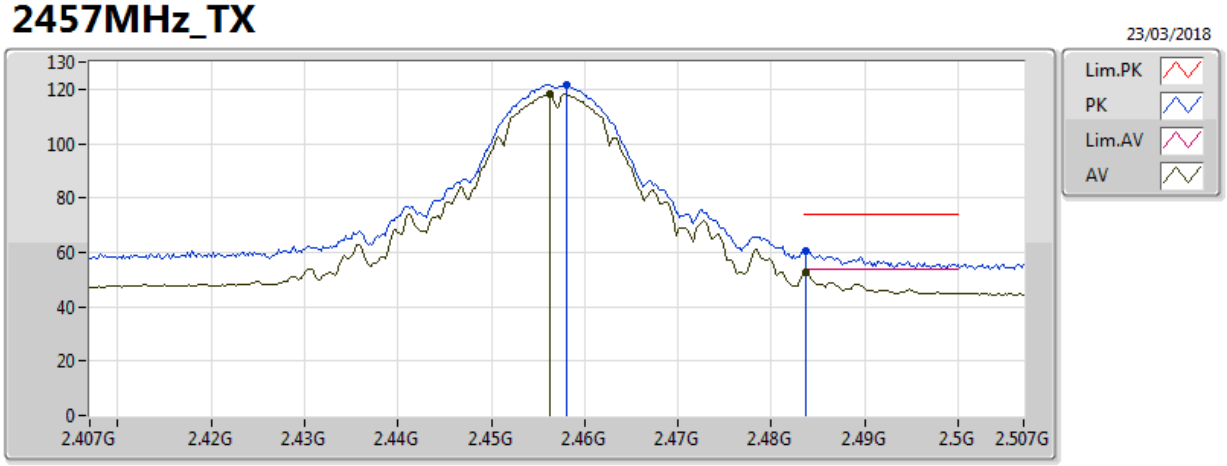


EUT Y_4TX
Setting 108
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	120.88	Inf	-Inf	31.09	3	Vertical	264	1.81	-
AV	2.4838G	53.66	54.00	-0.34	31.17	3	Vertical	264	1.81	-
PK	2.458G	124.49	Inf	-Inf	31.10	3	Vertical	264	1.81	-
PK	2.4838G	62.43	74.00	-11.57	31.17	3	Vertical	264	1.81	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

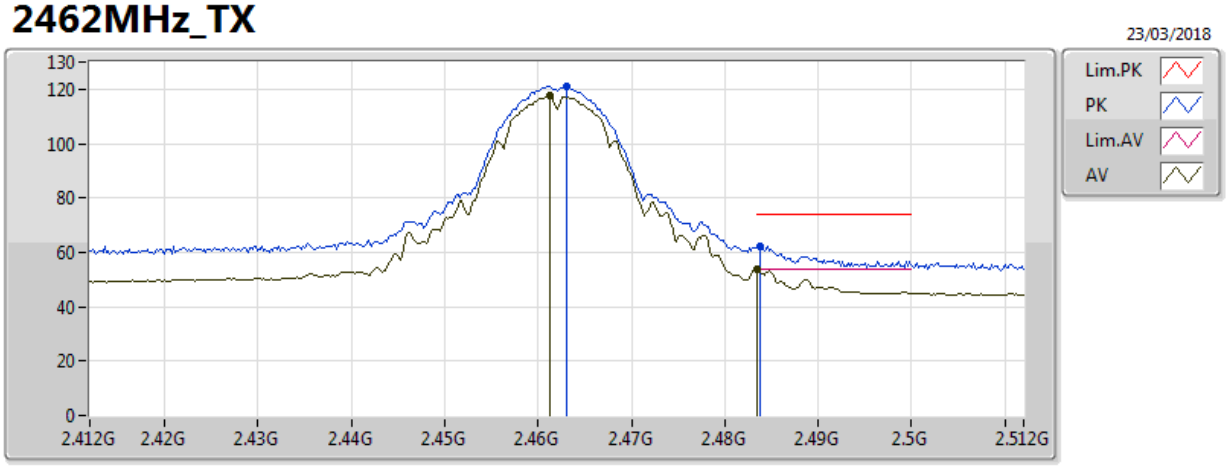


EUT Y_4TX
Setting 108
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	118.24	Inf	-Inf	31.09	3	Horizontal	312	2.80	-
AV	2.4836G	52.73	54.00	-1.27	31.17	3	Horizontal	312	2.80	-
PK	2.458G	121.80	Inf	-Inf	31.10	3	Horizontal	312	2.80	-
PK	2.4836G	60.44	74.00	-13.56	31.17	3	Horizontal	312	2.80	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

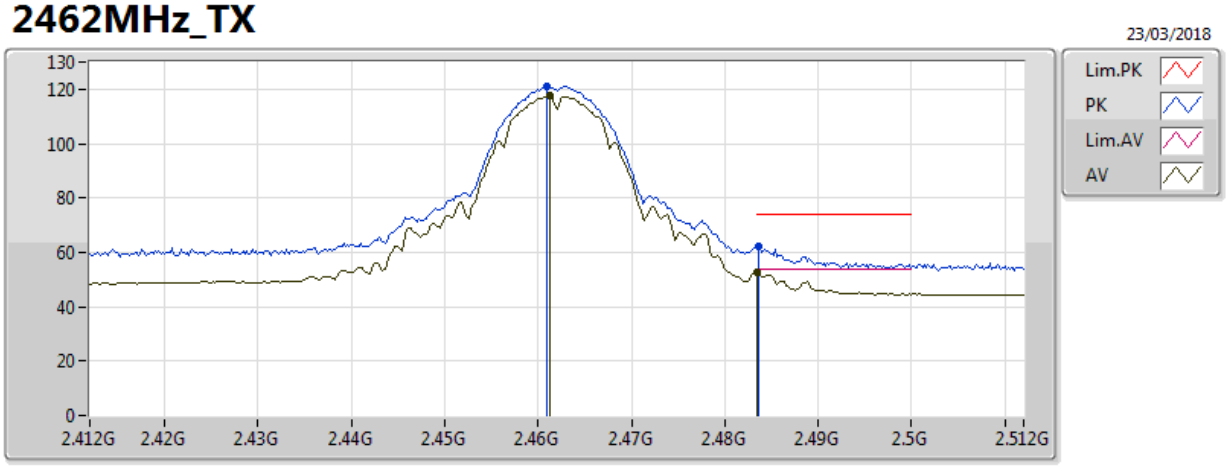


EUT Y_4TX
Setting 105
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	117.68	Inf	-Inf	31.11	3	Vertical	58	2.08	-
AV	2.483502G	53.70	54.00	-0.30	31.17	3	Vertical	58	2.08	-
PK	2.463G	121.11	Inf	-Inf	31.11	3	Vertical	58	2.08	-
PK	2.4838G	62.40	74.00	-11.60	31.17	3	Vertical	58	2.08	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

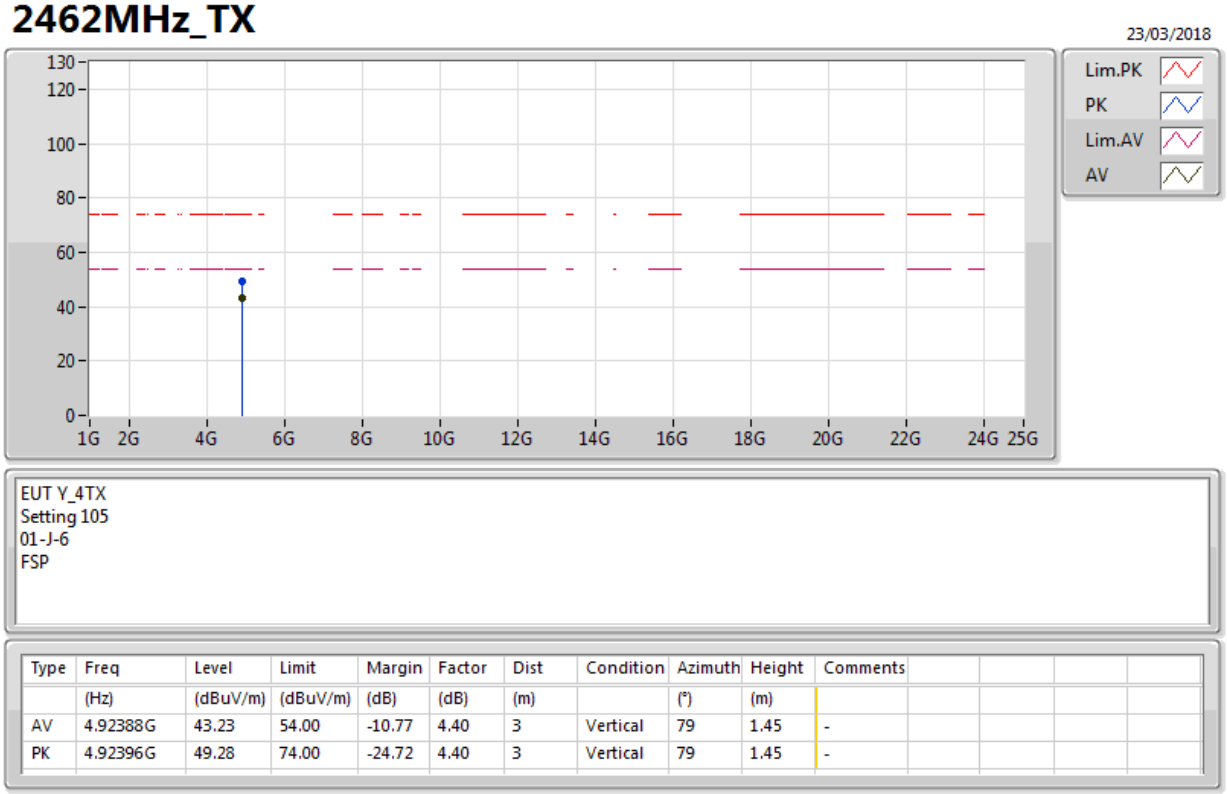


EUT Y_4TX
Setting 105
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	117.68	Inf	-Inf	31.11	3	Horizontal	266	1.71	-
AV	2.483502G	52.92	54.00	-1.08	31.17	3	Horizontal	266	1.71	-
PK	2.461G	121.30	Inf	-Inf	31.11	3	Horizontal	266	1.71	-
PK	2.4836G	62.03	74.00	-11.97	31.17	3	Horizontal	266	1.71	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

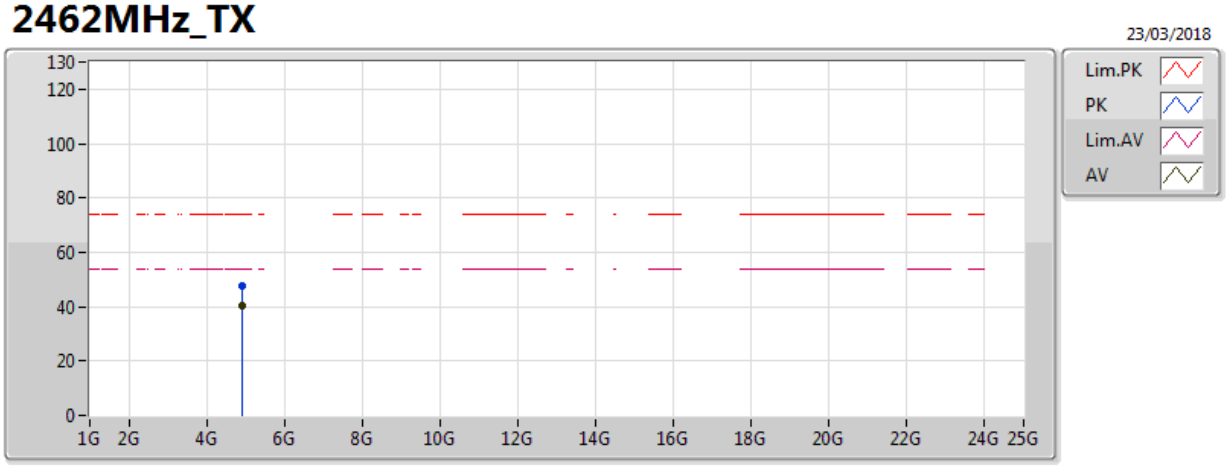


EUT Y_4TX
Setting 105
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92388G	43.23	54.00	-10.77	4.40	3	Vertical	79	1.45	-
PK	4.92396G	49.28	74.00	-24.72	4.40	3	Vertical	79	1.45	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

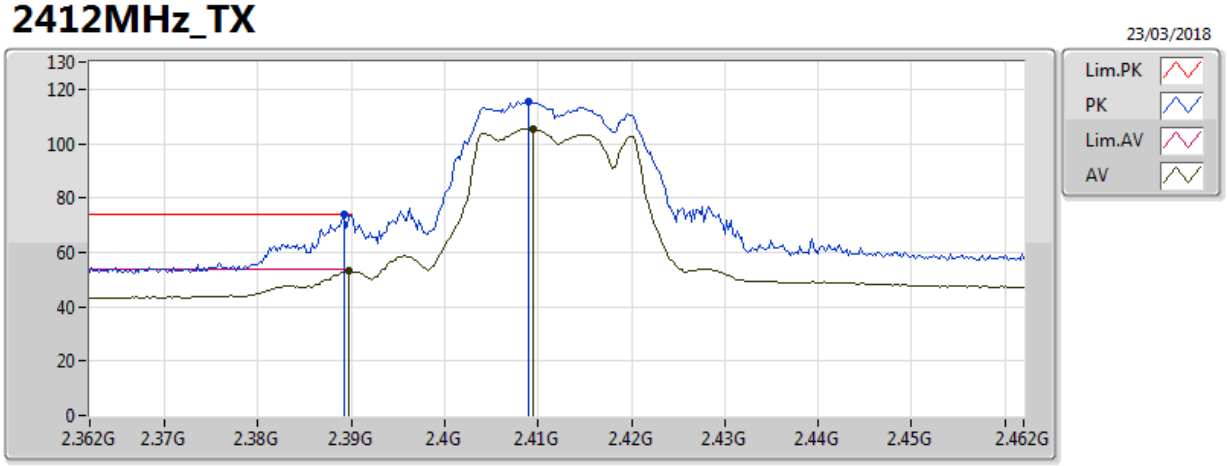


EUT Y_4TX
Setting 105
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9239G	40.36	54.00	-13.64	4.40	3	Horizontal	111	1.41	-
PK	4.92394G	47.76	74.00	-26.24	4.40	3	Horizontal	111	1.41	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

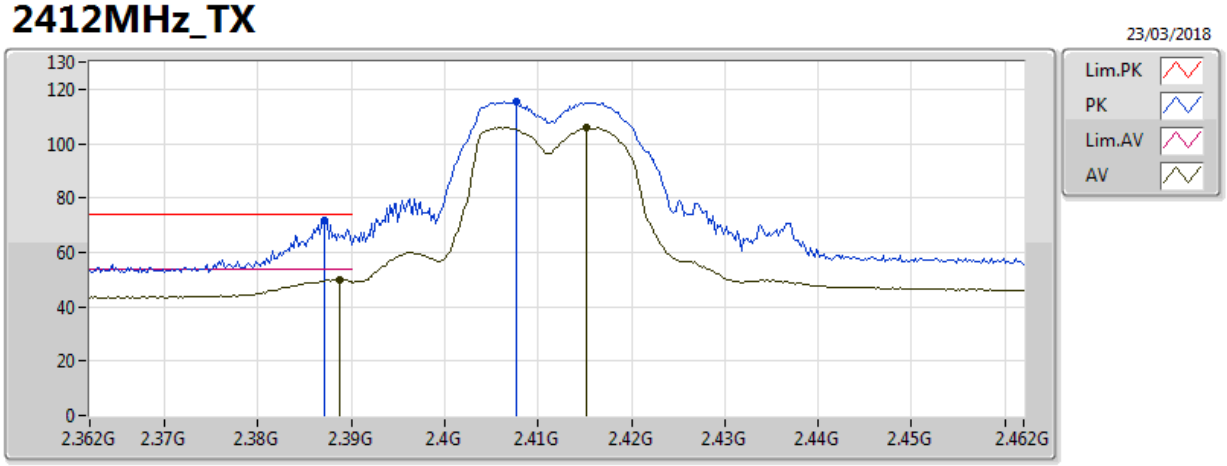


EUT Y_4TX
Setting 83
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.09	54.00	-0.91	30.97	3	Vertical	95	1.92	-
AV	2.4094G	105.51	Inf	-Inf	30.96	3	Vertical	95	1.92	-
PK	2.3892G	73.82	74.00	-0.18	30.97	3	Vertical	95	1.92	-
PK	2.409G	115.54	Inf	-Inf	30.96	3	Vertical	95	1.92	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

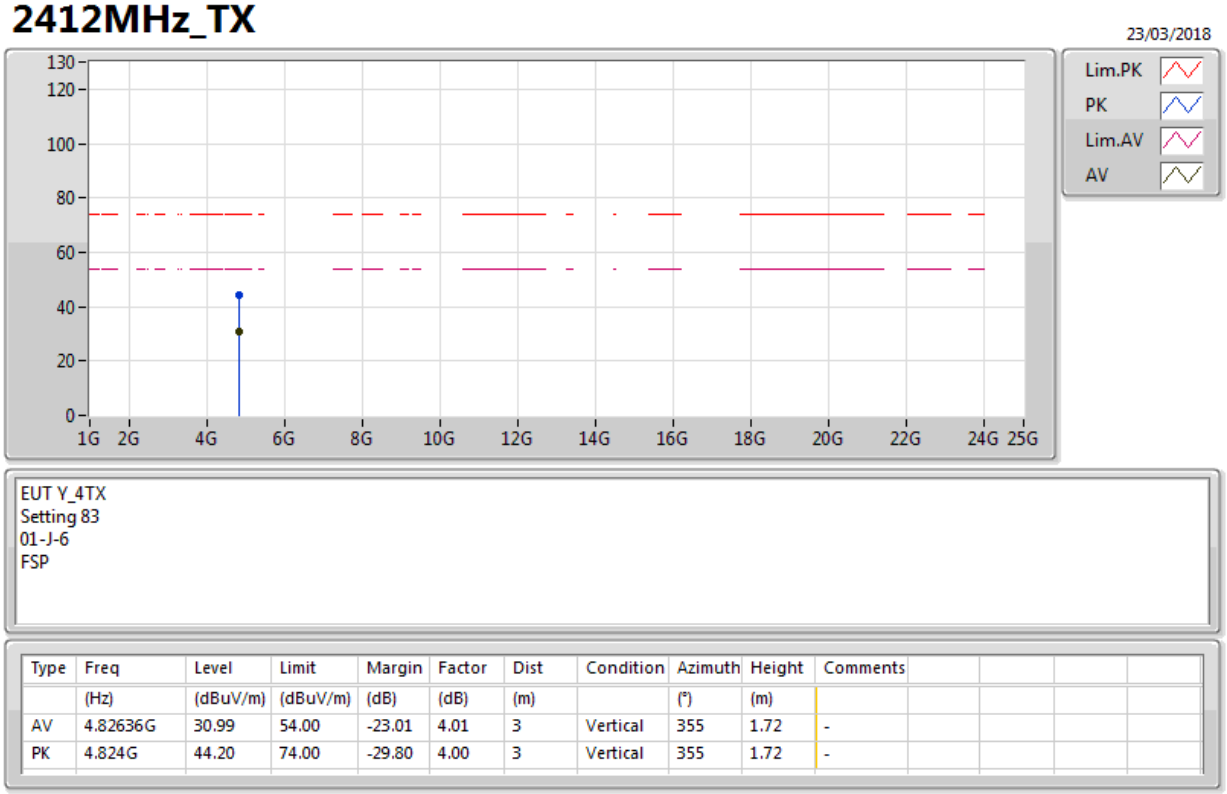


EUT Y_4TX
Setting 83
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	50.05	54.00	-3.95	30.97	3	Horizontal	142	2.21	-
AV	2.4152G	105.85	Inf	-Inf	30.97	3	Horizontal	142	2.21	-
PK	2.3872G	71.65	74.00	-2.35	30.97	3	Horizontal	142	2.21	-
PK	2.4076G	115.60	Inf	-Inf	30.95	3	Horizontal	142	2.21	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

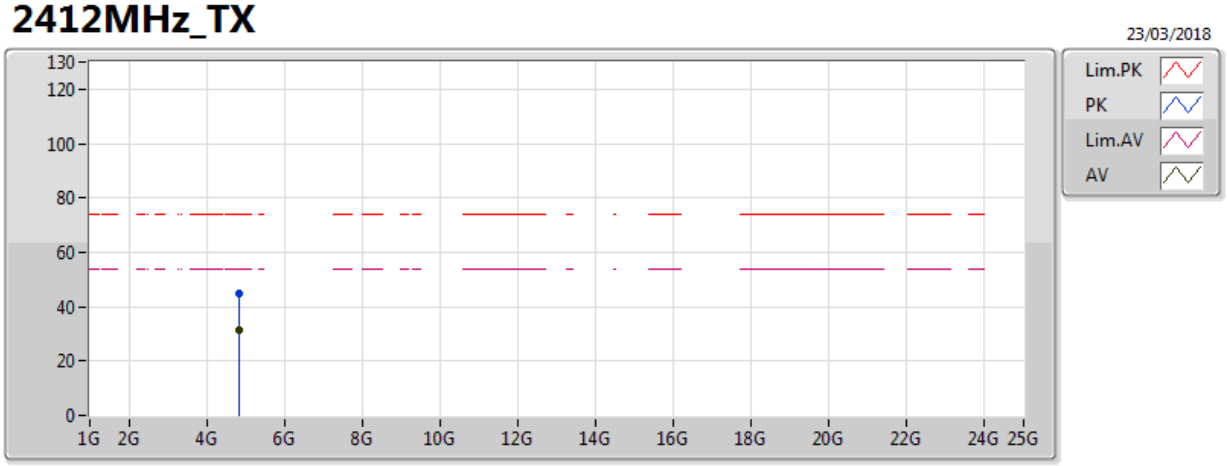


EUT Y_4TX
Setting 83
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82636G	30.99	54.00	-23.01	4.01	3	Vertical	355	1.72	-
PK	4.824G	44.20	74.00	-29.80	4.00	3	Vertical	355	1.72	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

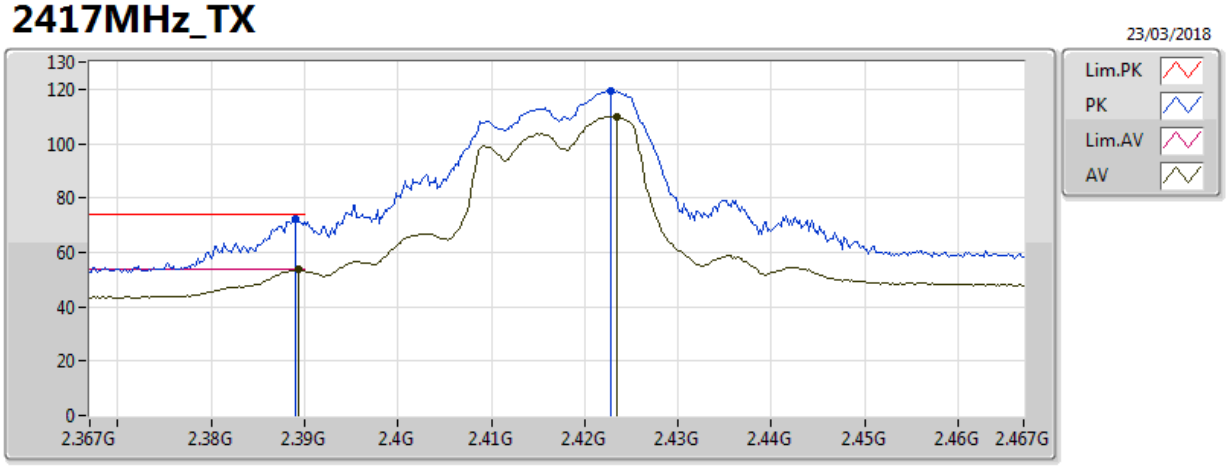


EUT Y_4TX
Setting 83
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82152G	31.17	54.00	-22.83	3.99	3	Horizontal	158	1.10	-
PK	4.82632G	44.65	74.00	-29.35	4.01	3	Horizontal	158	1.10	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

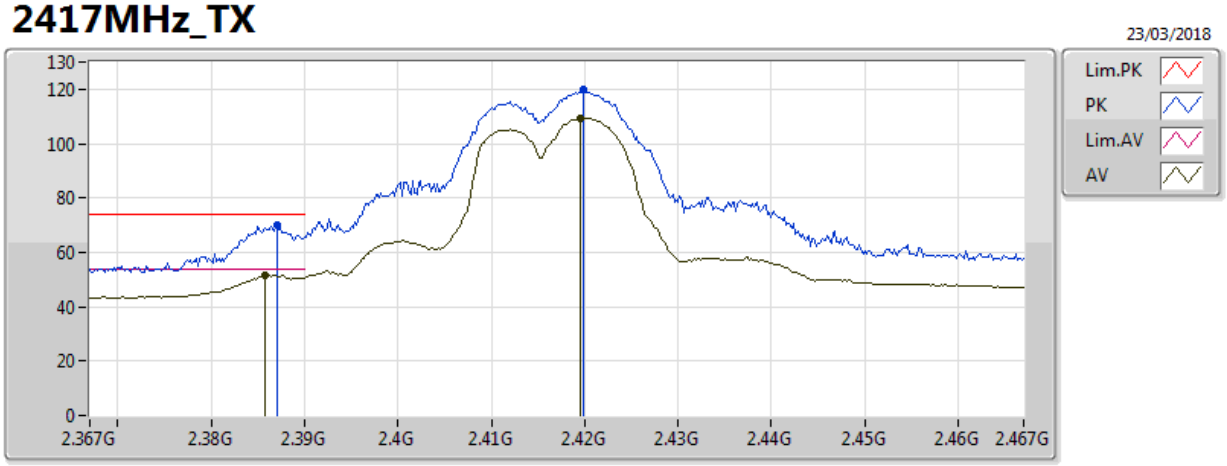


EUT Y_4TX
Setting 95
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	53.76	54.00	-0.24	30.96	3	Vertical	247	2.24	-
AV	2.4234G	110.03	Inf	-Inf	31.00	3	Vertical	247	2.24	-
PK	2.389G	72.45	74.00	-1.55	30.96	3	Vertical	247	2.24	-
PK	2.4228G	119.34	Inf	-Inf	31.00	3	Vertical	247	2.24	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

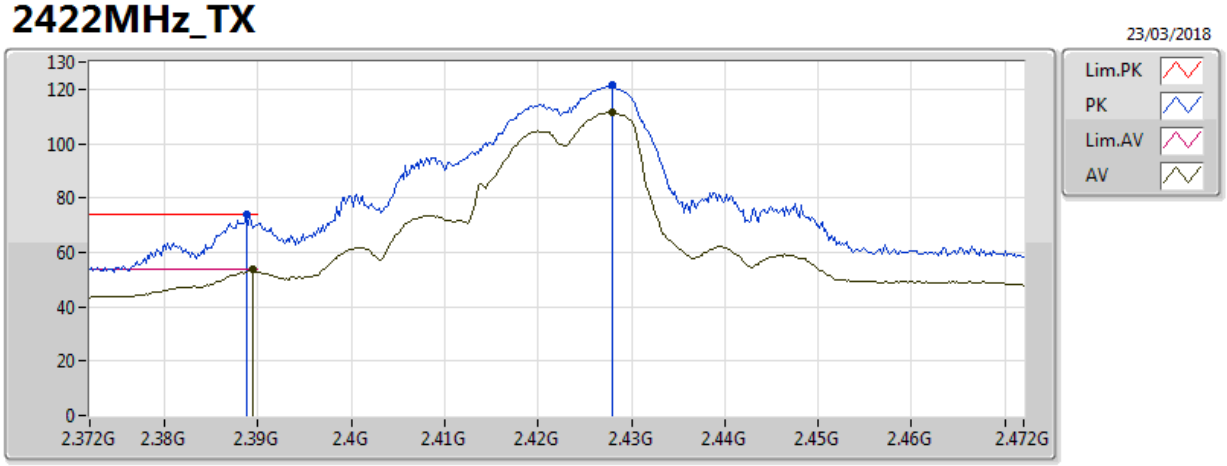


EUT Y_4TX
Setting 95
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3858G	51.41	54.00	-2.59	30.97	3	Horizontal	269	1.87	-
AV	2.4196G	109.41	Inf	-Inf	30.99	3	Horizontal	269	1.87	-
PK	2.387G	70.10	74.00	-3.90	30.97	3	Horizontal	269	1.87	-
PK	2.4198G	119.64	Inf	-Inf	30.99	3	Horizontal	269	1.87	-

802.11g_Nss1,(6Mbps)_4TX

2422MHz_TX

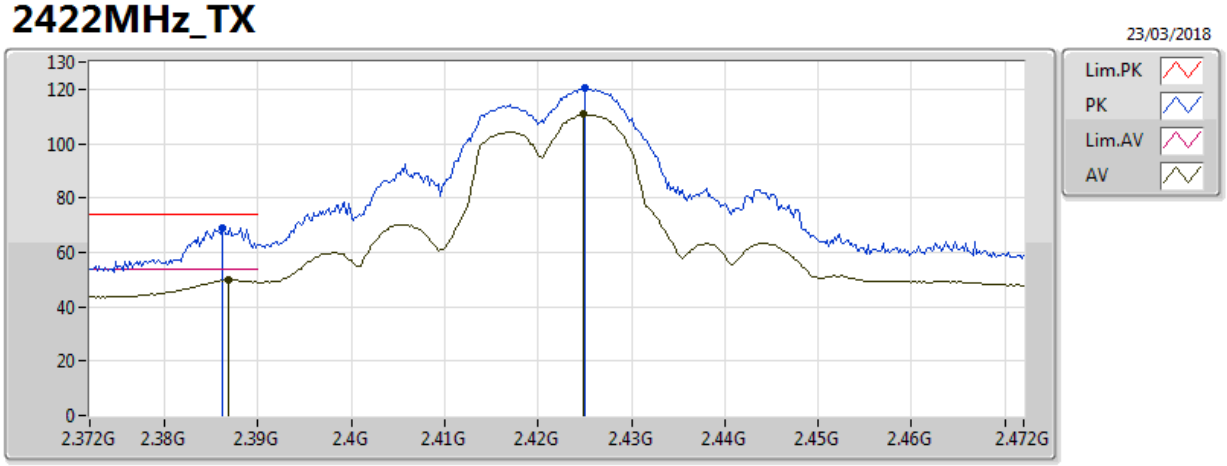


EUT Y_4TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	53.63	54.00	-0.37	30.96	3	Vertical	249	1.99	-
AV	2.428G	111.38	Inf	-Inf	31.01	3	Vertical	249	1.99	-
PK	2.3888G	73.87	74.00	-0.13	30.96	3	Vertical	249	1.99	-
PK	2.428G	121.65	Inf	-Inf	31.01	3	Vertical	249	1.99	-

802.11g_Nss1,(6Mbps)_4TX

2422MHz_TX

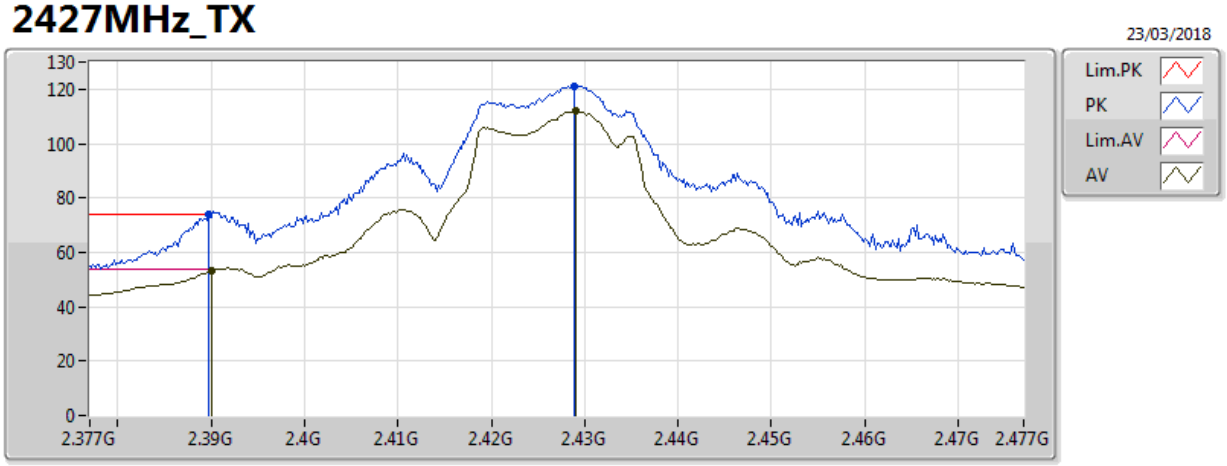


EUT Y_4TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3868G	50.15	54.00	-3.85	30.97	3	Horizontal	271	1.80	-
AV	2.4248G	110.68	Inf	-Inf	31.00	3	Horizontal	271	1.80	-
PK	2.3862G	69.17	74.00	-4.83	30.97	3	Horizontal	271	1.80	-
PK	2.425G	120.47	Inf	-Inf	31.00	3	Horizontal	271	1.80	-

802.11g_Nss1,(6Mbps)_4TX

2427MHz_TX

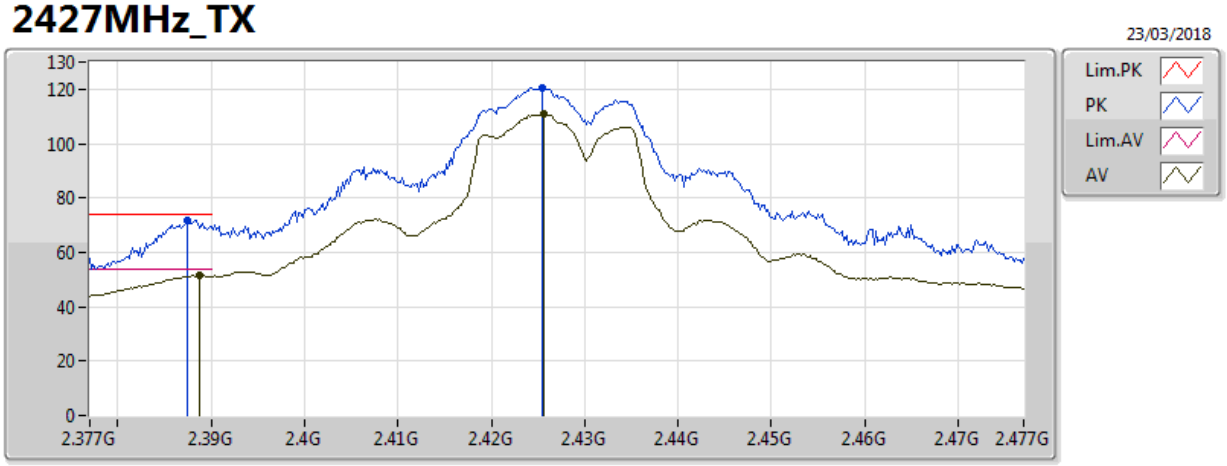


EUT Y_4TX
Setting 104
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.24	54.00	-0.76	30.96	3	Vertical	245	2.00	-
AV	2.429G	111.87	Inf	-Inf	31.01	3	Vertical	245	2.00	-
PK	2.3898G	73.76	74.00	-0.24	30.96	3	Vertical	245	2.00	-
PK	2.4288G	121.28	Inf	-Inf	31.01	3	Vertical	245	2.00	-

802.11g_Nss1,(6Mbps)_4TX

2427MHz_TX

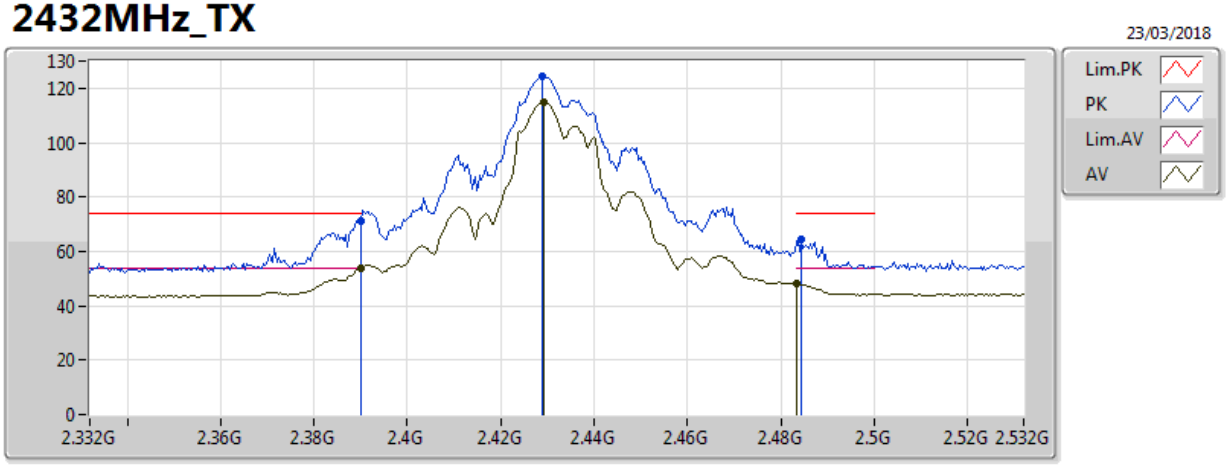


EUT Y_4TX
Setting 104
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	51.44	54.00	-2.56	30.97	3	Horizontal	263	1.88	-
AV	2.4256G	110.70	Inf	-Inf	31.00	3	Horizontal	263	1.88	-
PK	2.3874G	71.72	74.00	-2.28	30.97	3	Horizontal	263	1.88	-
PK	2.4254G	120.56	Inf	-Inf	31.00	3	Horizontal	263	1.88	-

802.11g_Nss1,(6Mbps)_4TX

2432MHz_TX

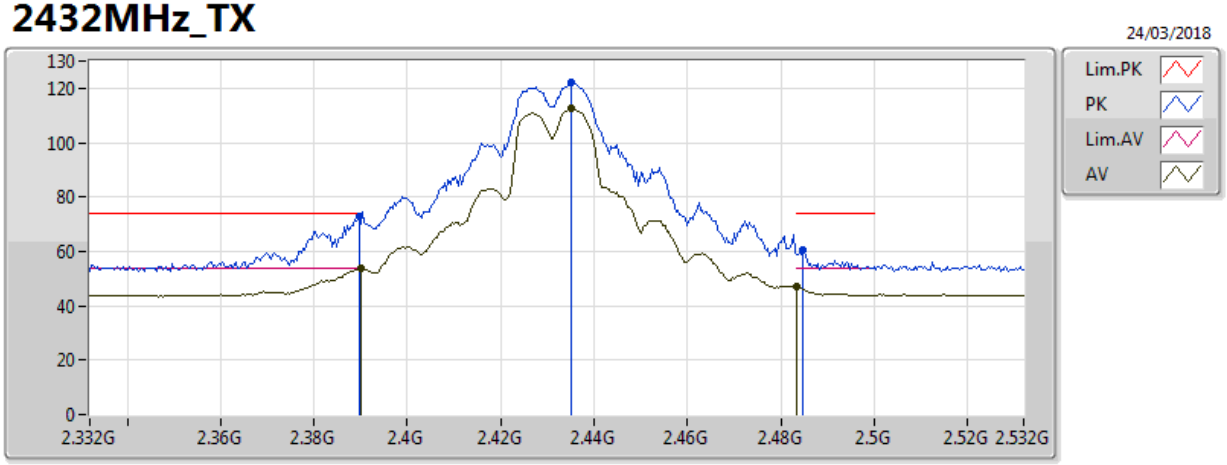


EUT Y_4TX
Setting 107
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.97	54.00	-0.03	30.96	3	Vertical	103	1.99	-
AV	2.4292G	114.76	Inf	-Inf	31.01	3	Vertical	103	1.99	-
AV	2.483502G	47.93	54.00	-6.07	31.17	3	Vertical	103	1.99	-
PK	2.389998G	71.21	74.00	-2.79	30.96	3	Vertical	103	1.99	-
PK	2.4288G	124.44	Inf	-Inf	31.01	3	Vertical	103	1.99	-
PK	2.4844G	64.30	74.00	-9.70	31.17	3	Vertical	103	1.99	-

802.11g_Nss1,(6Mbps)_4TX

2432MHz_TX

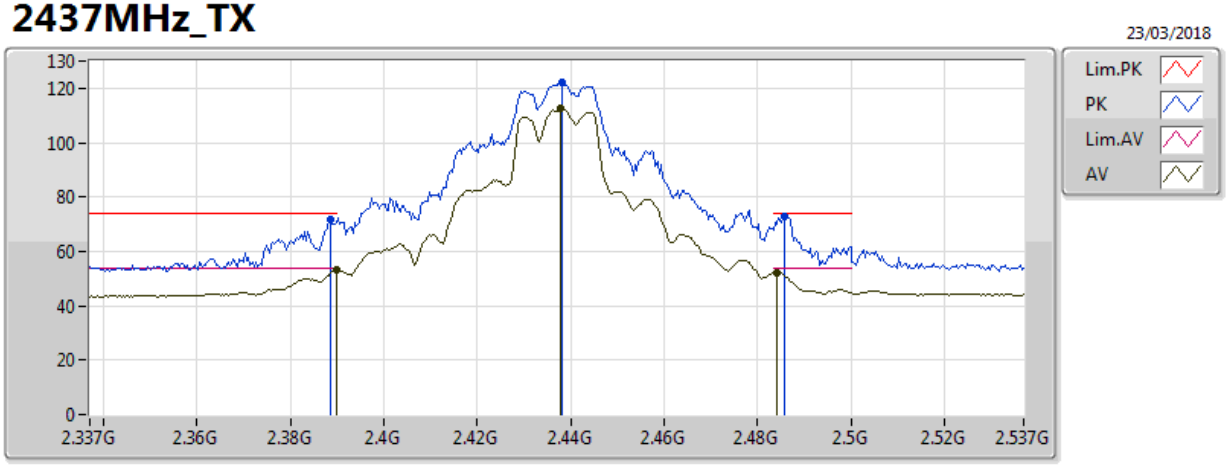


EUT Y_4TX
Setting 107
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.64	54.00	-0.36	30.97	3	Horizontal	143	2.14	-
AV	2.4352G	112.54	Inf	-Inf	31.03	3	Horizontal	143	2.14	-
AV	2.483502G	46.81	54.00	-7.19	31.17	3	Horizontal	143	2.14	-
PK	2.3896G	72.64	74.00	-1.36	30.97	3	Horizontal	143	2.14	-
PK	2.4352G	121.88	Inf	-Inf	31.03	3	Horizontal	143	2.14	-
PK	2.4848G	60.61	74.00	-13.39	31.17	3	Horizontal	143	2.14	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

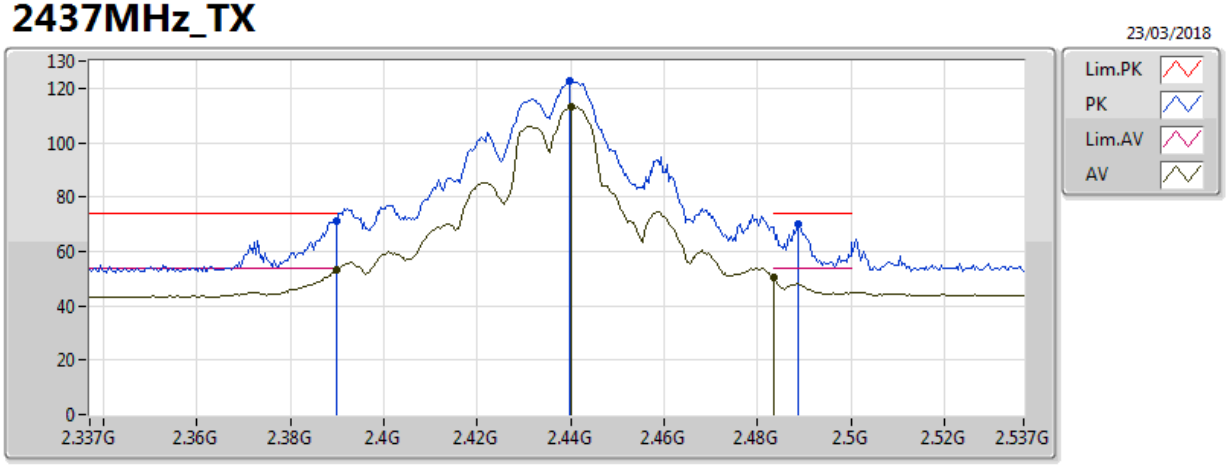


EUT Y_4TX
Setting 113
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.46	54.00	-0.54	30.96	3	Vertical	98	1.99	-
AV	2.4378G	112.83	Inf	-Inf	31.04	3	Vertical	98	1.99	-
AV	2.4842G	52.33	54.00	-1.67	31.17	3	Vertical	98	1.99	-
PK	2.3886G	71.88	74.00	-2.12	30.96	3	Vertical	98	1.99	-
PK	2.4382G	122.12	Inf	-Inf	31.04	3	Vertical	98	1.99	-
PK	2.4858G	72.73	74.00	-1.27	31.18	3	Vertical	98	1.99	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

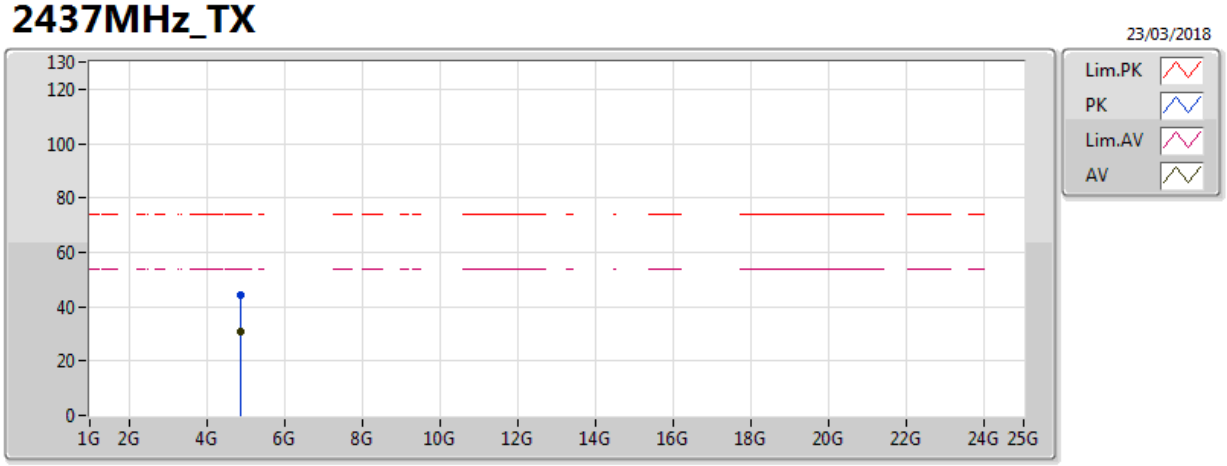


EUT Y_4TX
Setting 113
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.14	54.00	-0.86	30.97	3	Horizontal	270	1.82	-
AV	2.4402G	113.37	Inf	-Inf	31.05	3	Horizontal	270	1.82	-
AV	2.483502G	50.37	54.00	-3.63	31.17	3	Horizontal	270	1.82	-
PK	2.3898G	71.05	74.00	-2.95	30.97	3	Horizontal	270	1.82	-
PK	2.4398G	122.64	Inf	-Inf	31.05	3	Horizontal	270	1.82	-
PK	2.4886G	70.01	74.00	-3.99	31.19	3	Horizontal	270	1.82	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

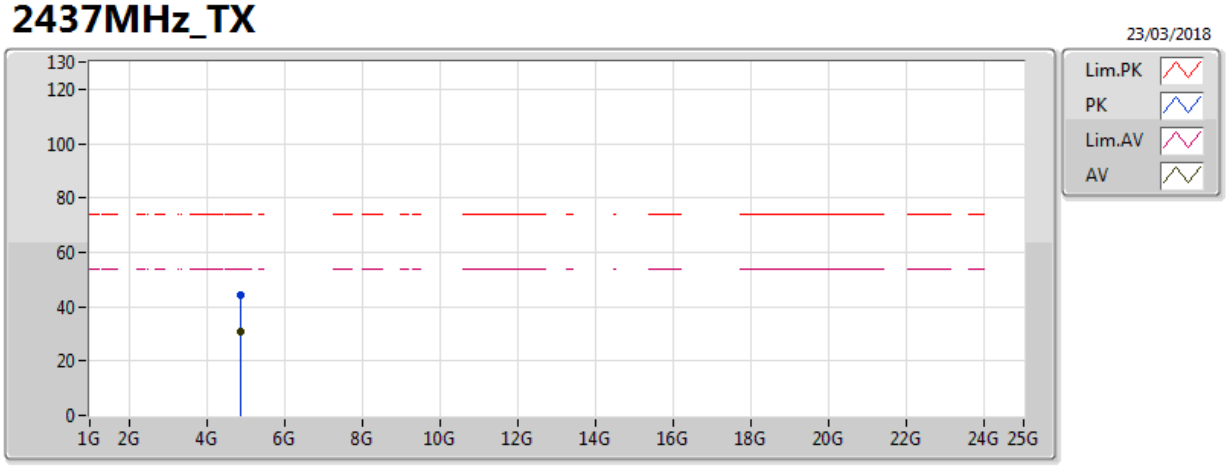


EUT Y_4TX
Setting 113
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8775G	30.89	54.00	-23.11	4.22	3	Vertical	21	1.56	-
PK	4.87614G	44.27	74.00	-29.73	4.21	3	Vertical	21	1.56	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

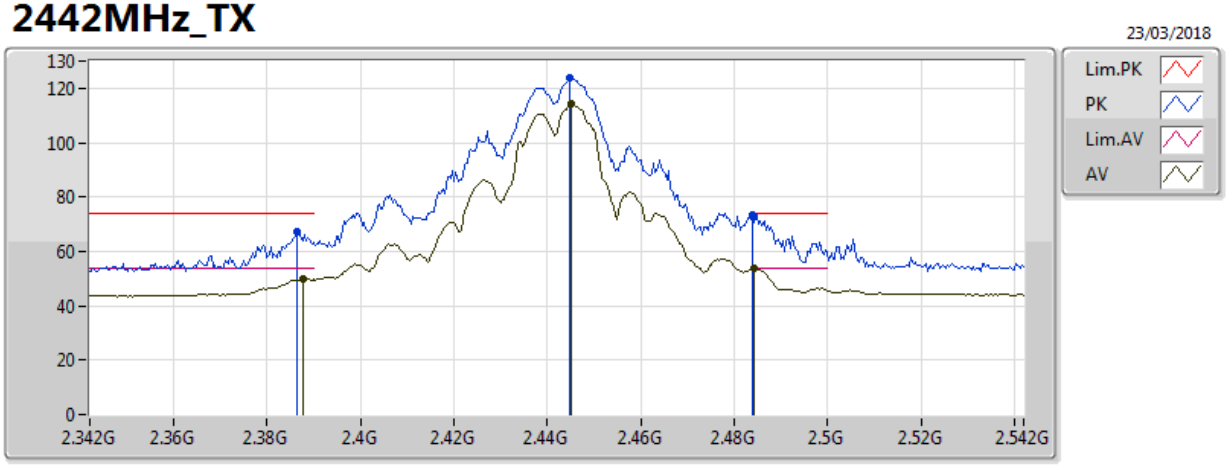


EUT Y_4TX
Setting 113
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87506G	30.88	54.00	-23.12	4.21	3	Horizontal	132	1.17	-
PK	4.87364G	44.16	74.00	-29.84	4.20	3	Horizontal	132	1.17	-

802.11g_Nss1,(6Mbps)_4TX

2442MHz_TX

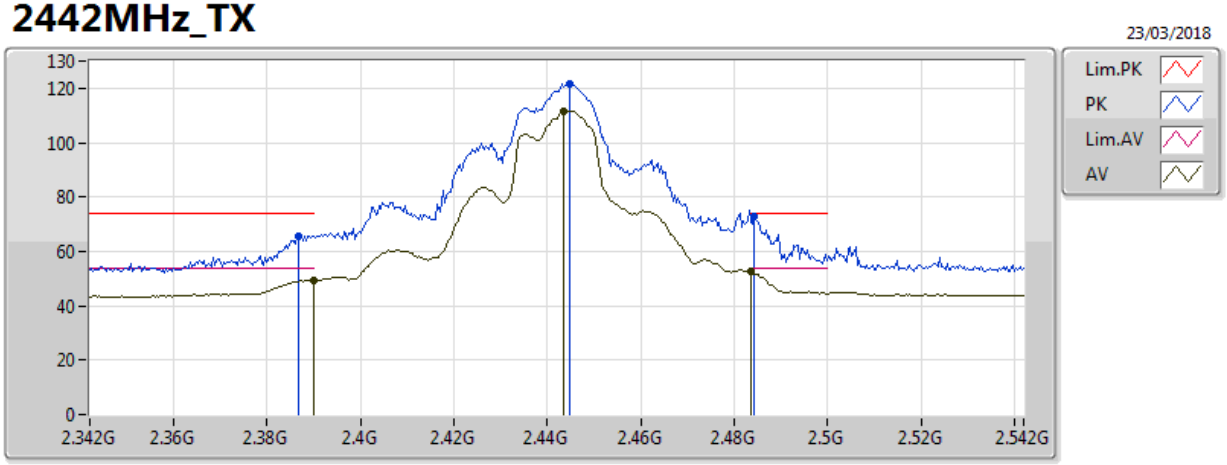


EUT Y_4TX
Setting 111
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3876G	49.97	54.00	-4.03	30.97	3	Vertical	91	1.69	-
AV	2.4452G	114.21	Inf	-Inf	31.06	3	Vertical	91	1.69	-
AV	2.4844G	53.76	54.00	-0.24	31.17	3	Vertical	91	1.69	-
PK	2.3864G	67.37	74.00	-6.63	30.97	3	Vertical	91	1.69	-
PK	2.4448G	123.61	Inf	-Inf	31.06	3	Vertical	91	1.69	-
PK	2.484G	73.60	74.00	-0.40	31.17	3	Vertical	91	1.69	-

802.11g_Nss1,(6Mbps)_4TX

2442MHz_TX

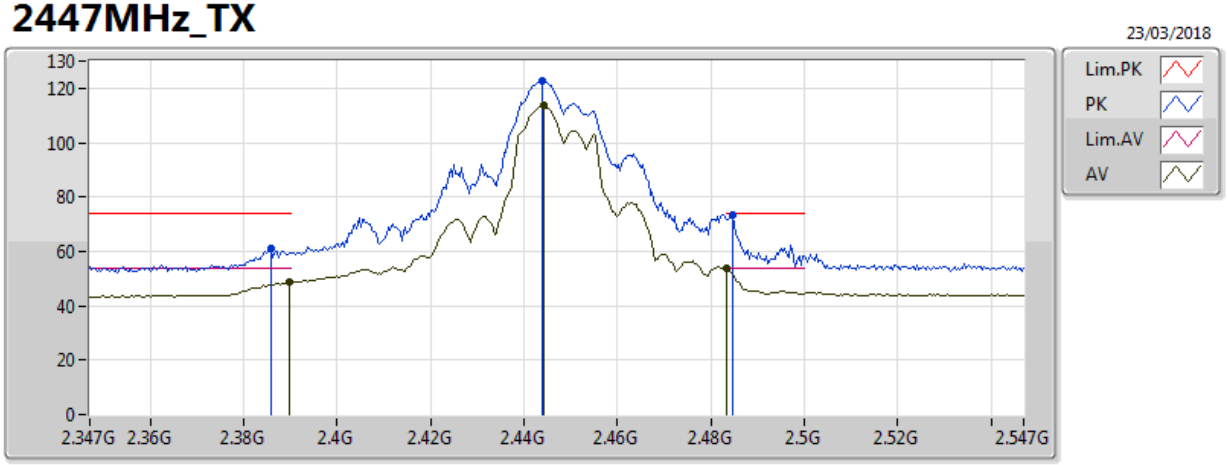


EUT Y_4TX
Setting 111
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	49.26	54.00	-4.74	30.97	3	Horizontal	191	1.09	-
AV	2.4436G	111.70	Inf	-Inf	31.06	3	Horizontal	191	1.09	-
AV	2.483502G	52.50	54.00	-1.50	31.17	3	Horizontal	191	1.09	-
PK	2.3868G	65.79	74.00	-8.21	30.97	3	Horizontal	191	1.09	-
PK	2.4448G	121.68	Inf	-Inf	31.06	3	Horizontal	191	1.09	-
PK	2.4844G	72.67	74.00	-1.33	31.17	3	Horizontal	191	1.09	-

802.11g_Nss1,(6Mbps)_4TX

2447MHz_TX

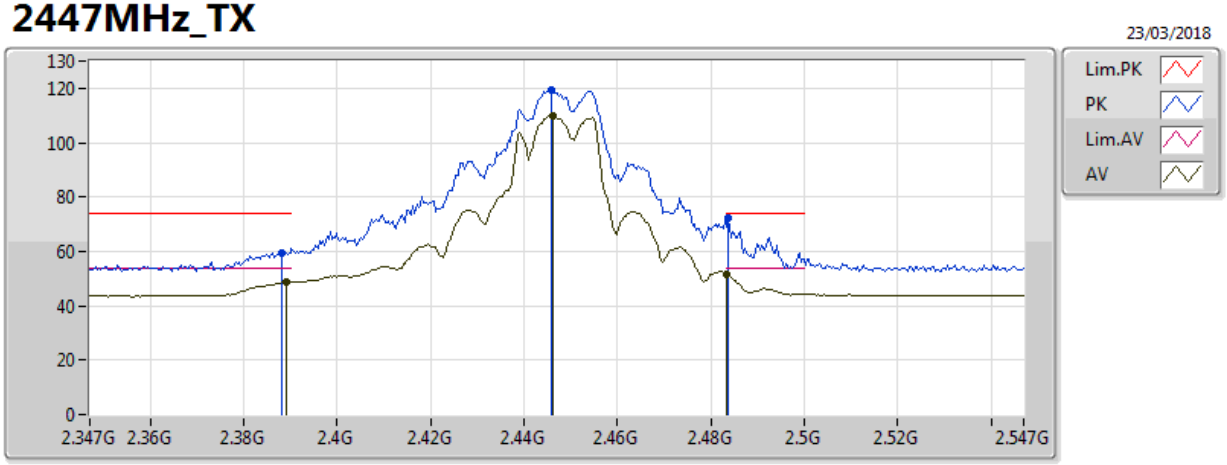


EUT Y_4TX
Setting 105
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	48.47	54.00	-5.53	30.97	3	Vertical	101	1.92	-
AV	2.4442G	113.52	Inf	-Inf	31.06	3	Vertical	101	1.92	-
AV	2.483502G	53.67	54.00	-0.33	31.17	3	Vertical	101	1.92	-
PK	2.3858G	61.03	74.00	-12.97	30.97	3	Vertical	101	1.92	-
PK	2.4438G	122.74	Inf	-Inf	31.06	3	Vertical	101	1.92	-
PK	2.4846G	73.43	74.00	-0.57	31.18	3	Vertical	101	1.92	-

802.11g_Nss1,(6Mbps)_4TX

2447MHz_TX

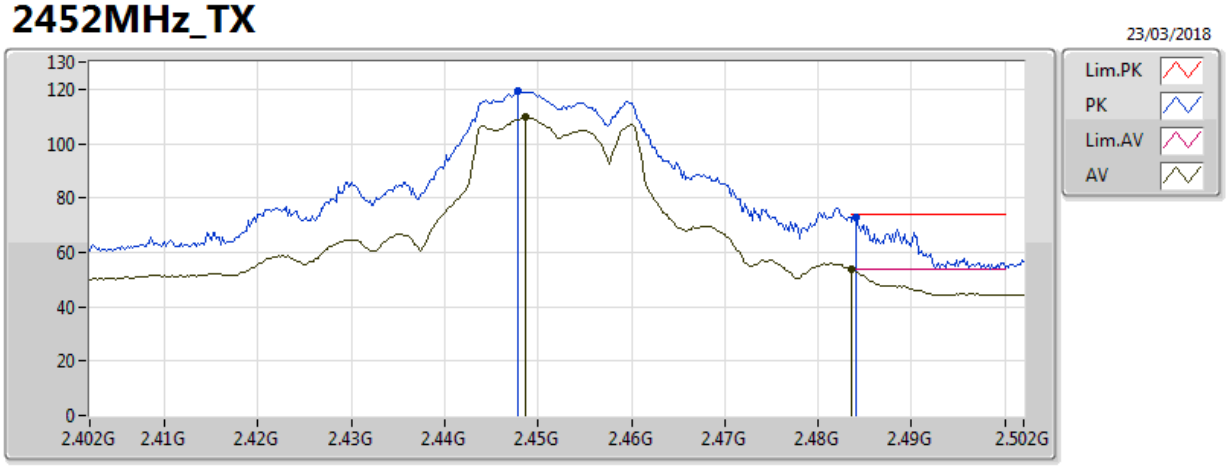


EUT Y_4TX
Setting 105
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	48.72	54.00	-5.28	30.97	3	Horizontal	140	2.15	-
AV	2.4462G	109.87	Inf	-Inf	31.06	3	Horizontal	140	2.15	-
AV	2.483502G	51.69	54.00	-2.31	31.17	3	Horizontal	140	2.15	-
PK	2.3882G	59.67	74.00	-14.33	30.97	3	Horizontal	140	2.15	-
PK	2.4458G	119.19	Inf	-Inf	31.06	3	Horizontal	140	2.15	-
PK	2.4838G	72.20	74.00	-1.80	31.17	3	Horizontal	140	2.15	-

802.11g_Nss1,(6Mbps)_4TX

2452MHz_TX

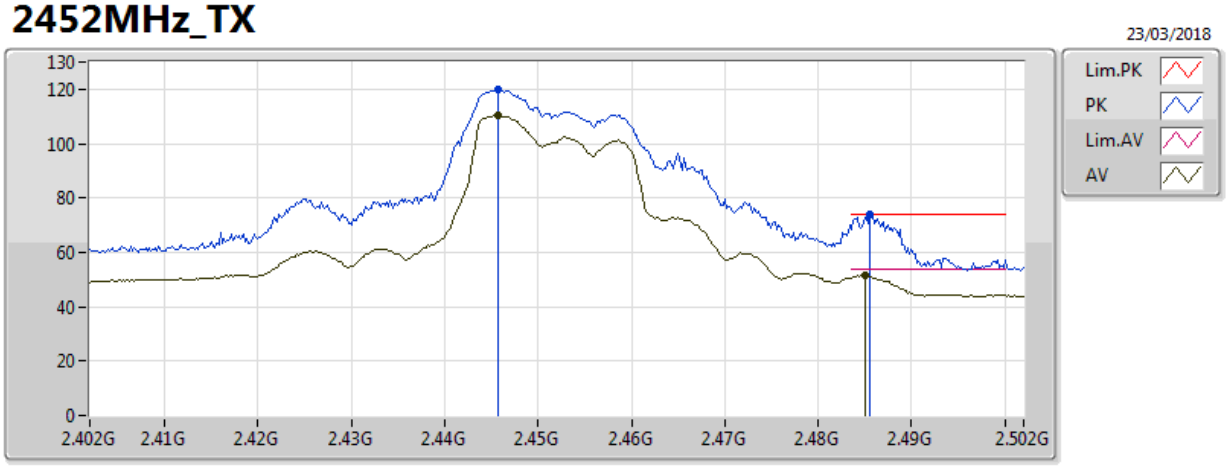


EUT Y_4TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4486G	109.58	Inf	-Inf	31.07	3	Vertical	95	1.78	-
AV	2.483502G	53.82	54.00	-0.18	31.17	3	Vertical	95	1.78	-
PK	2.4478G	119.15	Inf	-Inf	31.07	3	Vertical	95	1.78	-
PK	2.484G	73.01	74.00	-0.99	31.17	3	Vertical	95	1.78	-

802.11g_Nss1,(6Mbps)_4TX

2452MHz_TX

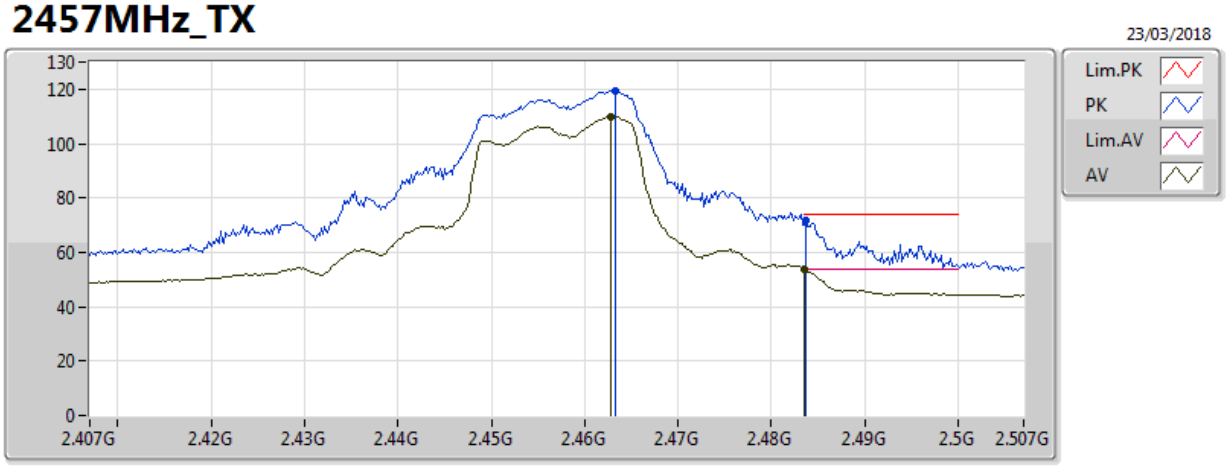


EUT Y_4TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4458G	110.46	Inf	-Inf	31.06	3	Horizontal	273	1.85	-
AV	2.485G	51.77	54.00	-2.23	31.18	3	Horizontal	273	1.85	-
PK	2.4458G	119.88	Inf	-Inf	31.06	3	Horizontal	273	1.85	-
PK	2.4856G	73.79	74.00	-0.21	31.18	3	Horizontal	273	1.85	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

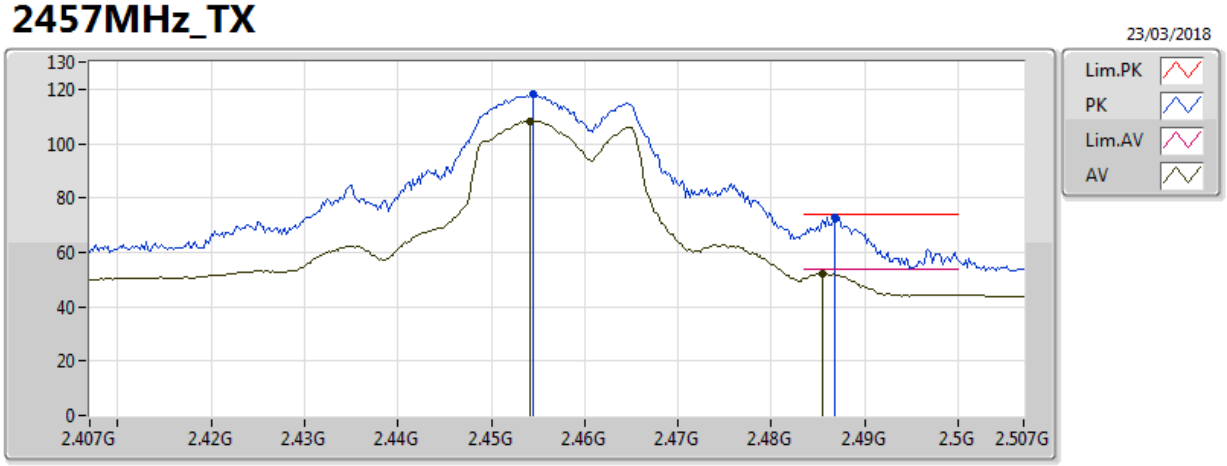


EUT Y_4TX
Setting 96
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4628G	109.77	Inf	-Inf	31.11	3	Vertical	43	1.99	-
AV	2.483502G	53.98	54.00	-0.02	31.17	3	Vertical	43	1.99	-
PK	2.4632G	119.37	Inf	-Inf	31.11	3	Vertical	43	1.99	-
PK	2.4836G	71.74	74.00	-2.26	31.17	3	Vertical	43	1.99	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

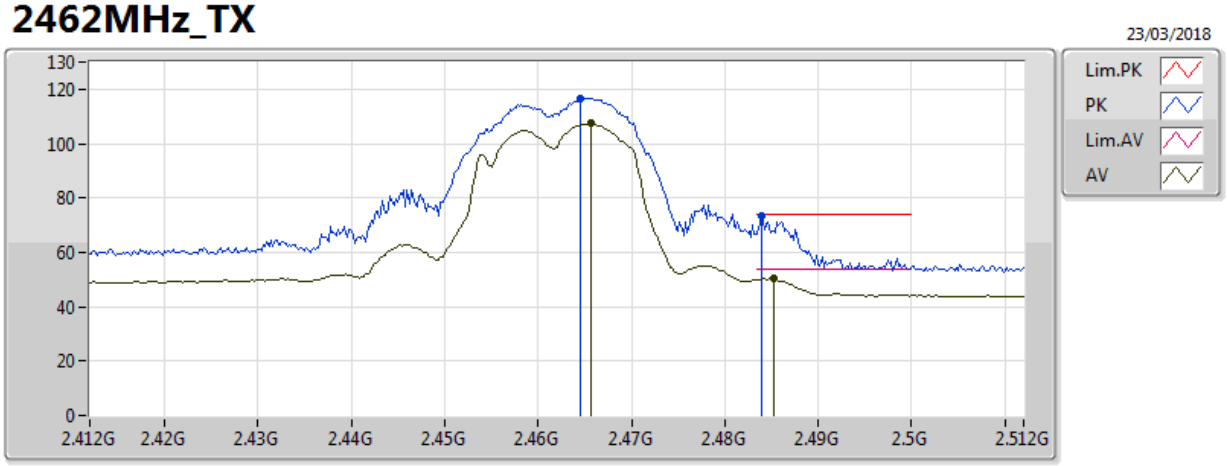


EUT Y_4TX
Setting 96
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4542G	108.31	Inf	-Inf	31.09	3	Horizontal	146	1.86	-
AV	2.4854G	52.03	54.00	-1.97	31.18	3	Horizontal	146	1.86	-
PK	2.4544G	118.02	Inf	-Inf	31.09	3	Horizontal	146	1.86	-
PK	2.4868G	73.02	74.00	-0.98	31.18	3	Horizontal	146	1.86	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

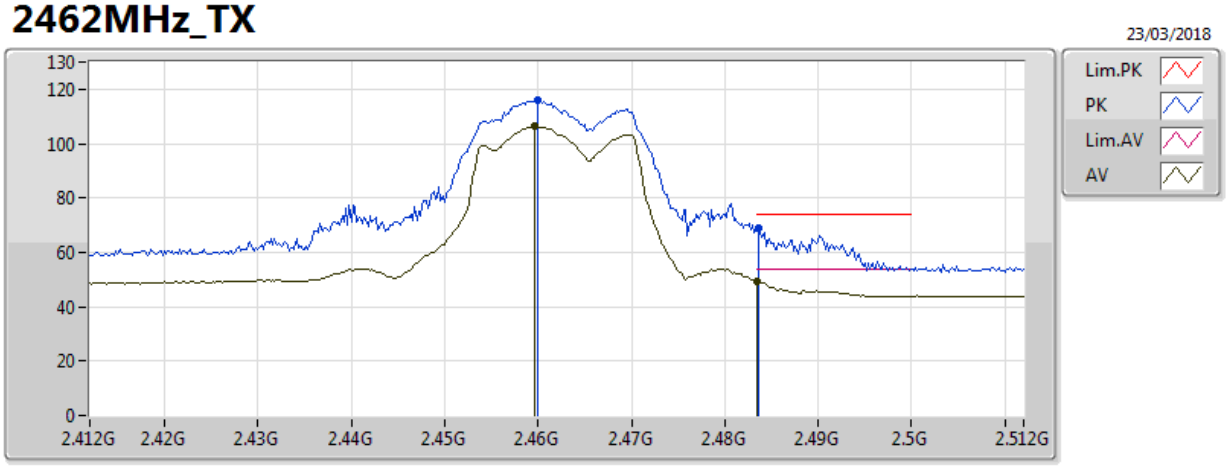


EUT Y_4TX
Setting 87
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4656G	107.51	Inf	-Inf	31.12	3	Vertical	93	1.77	-
AV	2.4852G	50.30	54.00	-3.70	31.17	3	Vertical	93	1.77	-
PK	2.4646G	116.70	Inf	-Inf	31.12	3	Vertical	93	1.77	-
PK	2.484G	73.48	74.00	-0.52	31.17	3	Vertical	93	1.77	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

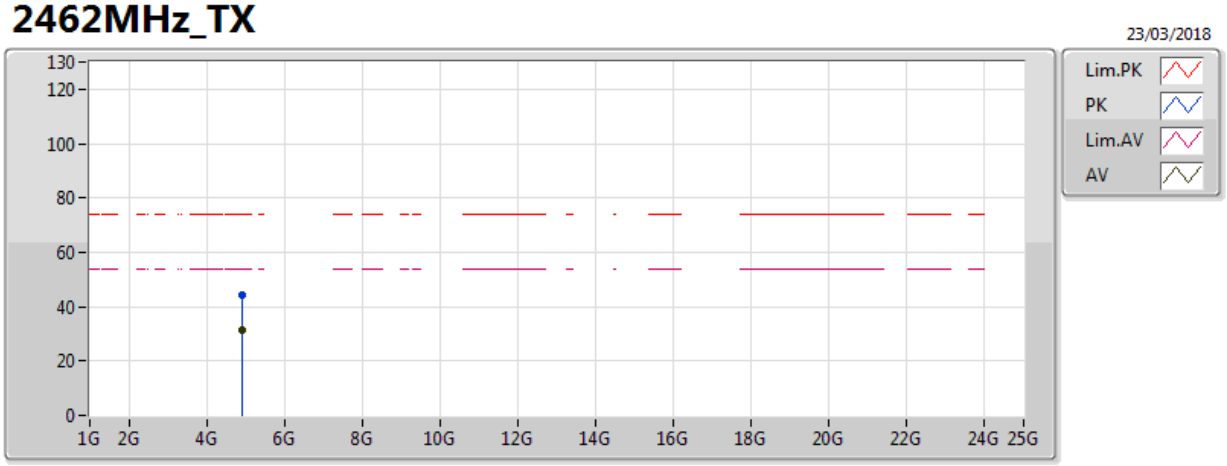


EUT Y_4TX
Setting 87
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4596G	106.31	Inf	-Inf	31.10	3	Horizontal	143	1.84	-
AV	2.483502G	49.56	54.00	-4.44	31.17	3	Horizontal	143	1.84	-
PK	2.46G	115.83	Inf	-Inf	31.10	3	Horizontal	143	1.84	-
PK	2.4836G	68.81	74.00	-5.19	31.17	3	Horizontal	143	1.84	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

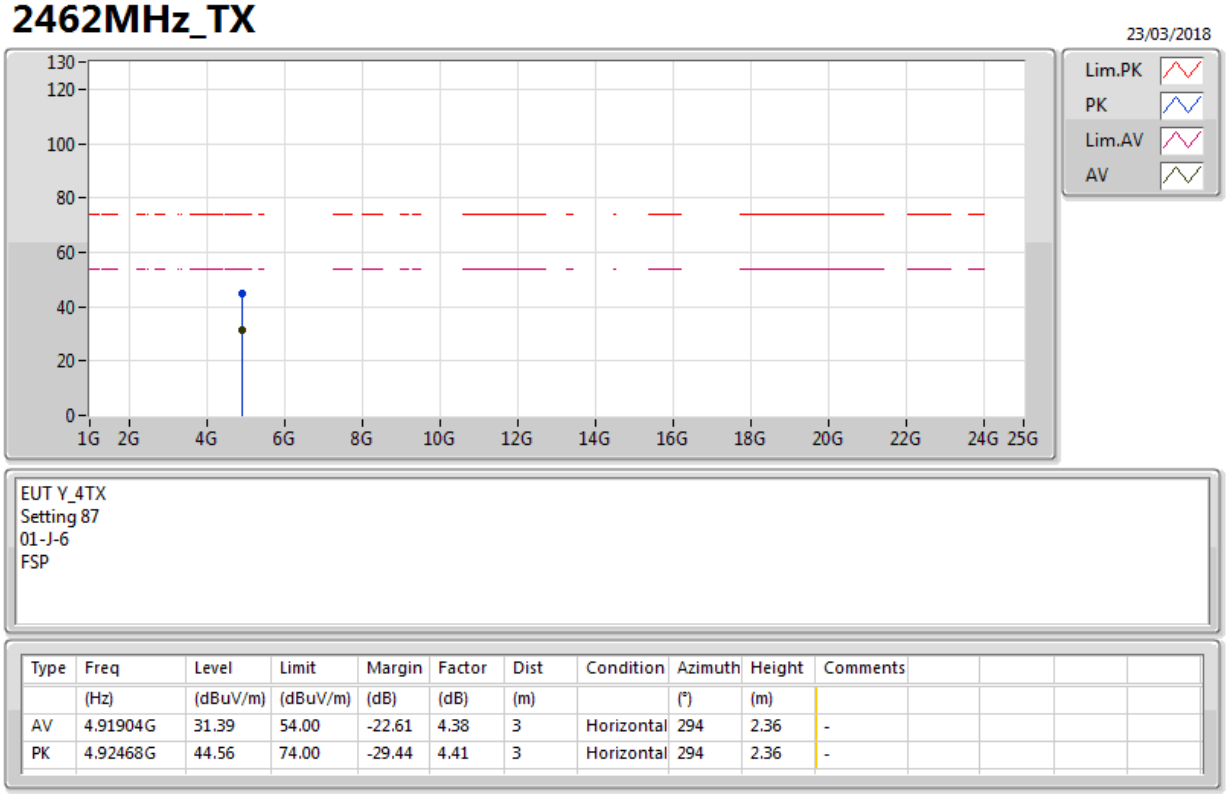


EUT Y_4TX
Setting 87
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92146G	31.33	54.00	-22.67	4.39	3	Vertical	168	2.21	-
PK	4.92426G	44.39	74.00	-29.61	4.40	3	Vertical	168	2.21	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

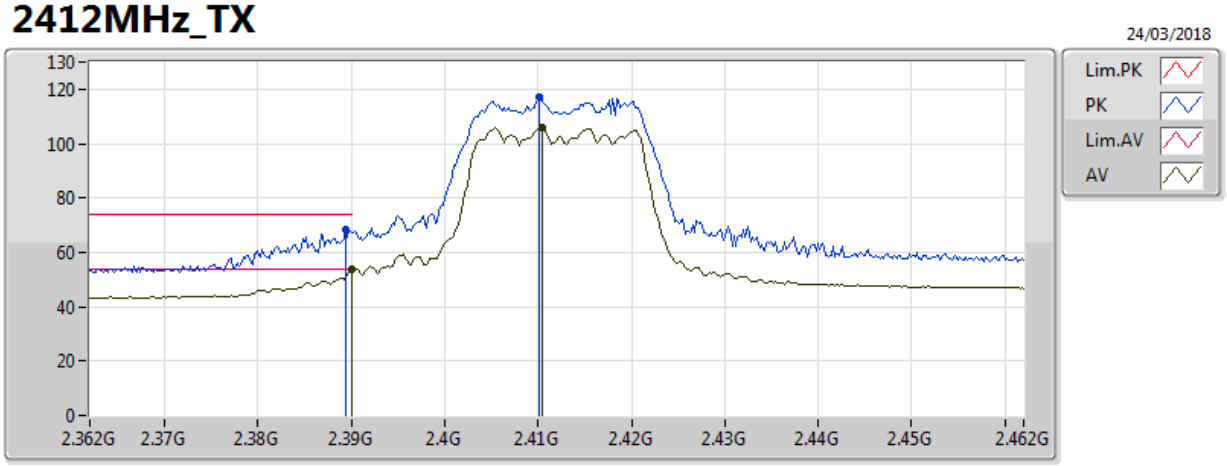


EUT Y_4TX
Setting 87
01-J-6
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.91904G	31.39	54.00	-22.61	4.38	3	Horizontal	294	2.36	-
PK	4.92468G	44.56	74.00	-29.44	4.41	3	Horizontal	294	2.36	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

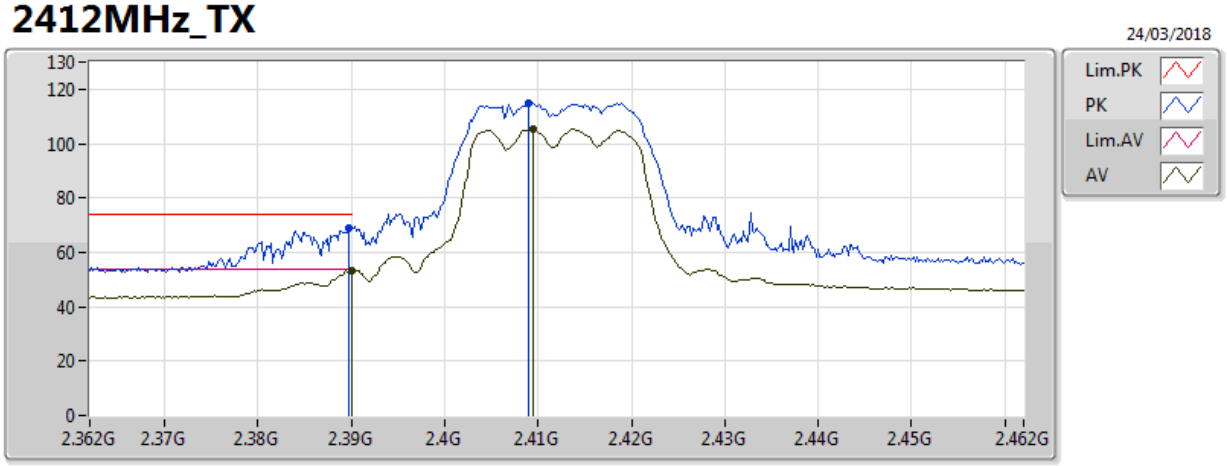


EUT Y_4TX
Setting 81
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.73	54.00	-0.27	30.97	3	Vertical	87	2.09	-
AV	2.4104G	106.02	Inf	-Inf	30.96	3	Vertical	87	2.09	-
PK	2.3894G	68.15	74.00	-5.85	30.97	3	Vertical	87	2.09	-
PK	2.4102G	116.89	Inf	-Inf	30.96	3	Vertical	87	2.09	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

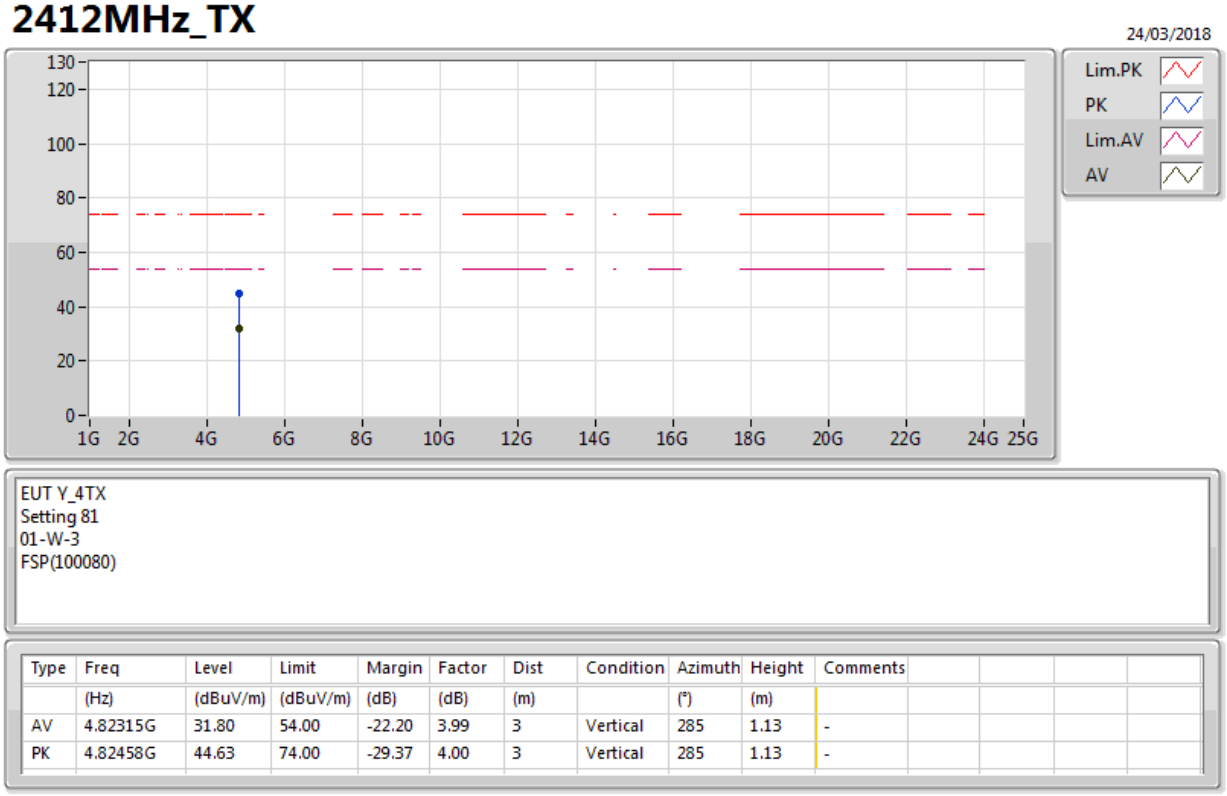


EUT Y_4TX
Setting 81
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.36	54.00	-0.64	30.97	3	Horizontal	142	2.20	-
AV	2.4094G	105.25	Inf	-Inf	30.96	3	Horizontal	142	2.20	-
PK	2.3898G	69.01	74.00	-4.99	30.97	3	Horizontal	142	2.20	-
PK	2.409G	115.00	Inf	-Inf	30.96	3	Horizontal	142	2.20	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

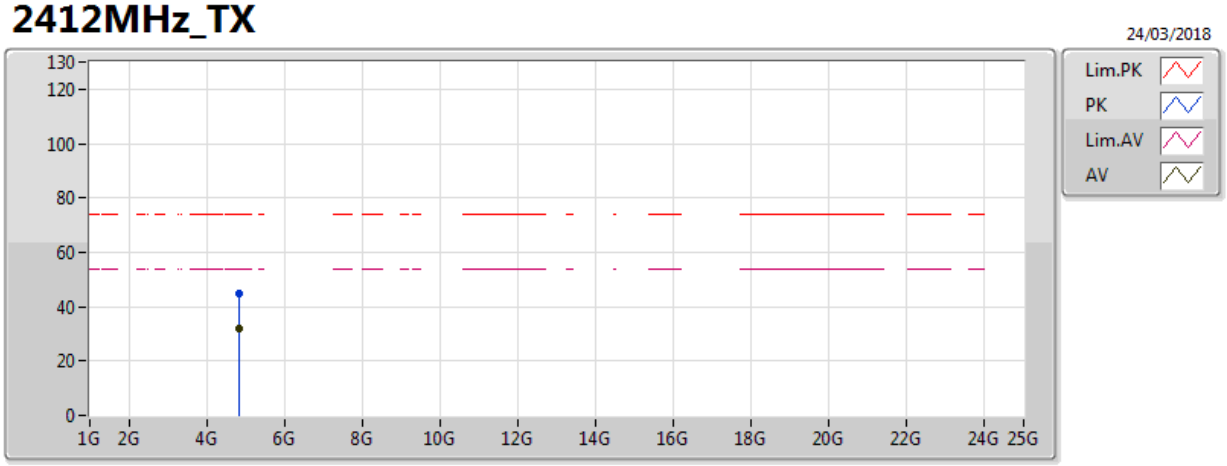


EUT Y_4TX
Setting 81
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82315G	31.80	54.00	-22.20	3.99	3	Vertical	285	1.13	-
PK	4.82458G	44.63	74.00	-29.37	4.00	3	Vertical	285	1.13	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2412MHz_TX

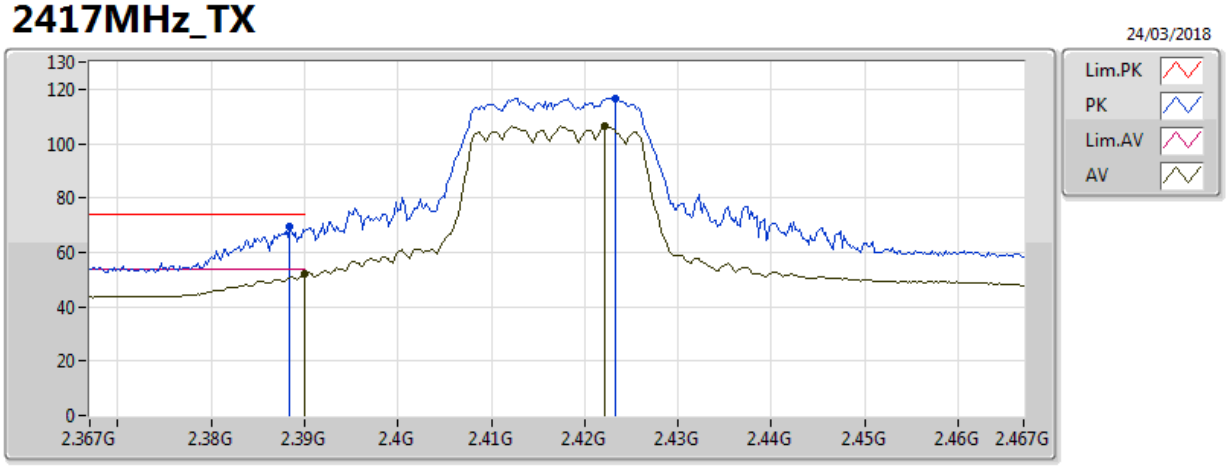


EUT Y_4TX
Setting 81
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82362G	31.72	54.00	-22.28	4.00	3	Horizontal	304	1.41	-
PK	4.82188G	44.68	74.00	-29.32	3.99	3	Horizontal	304	1.41	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2417MHz_TX

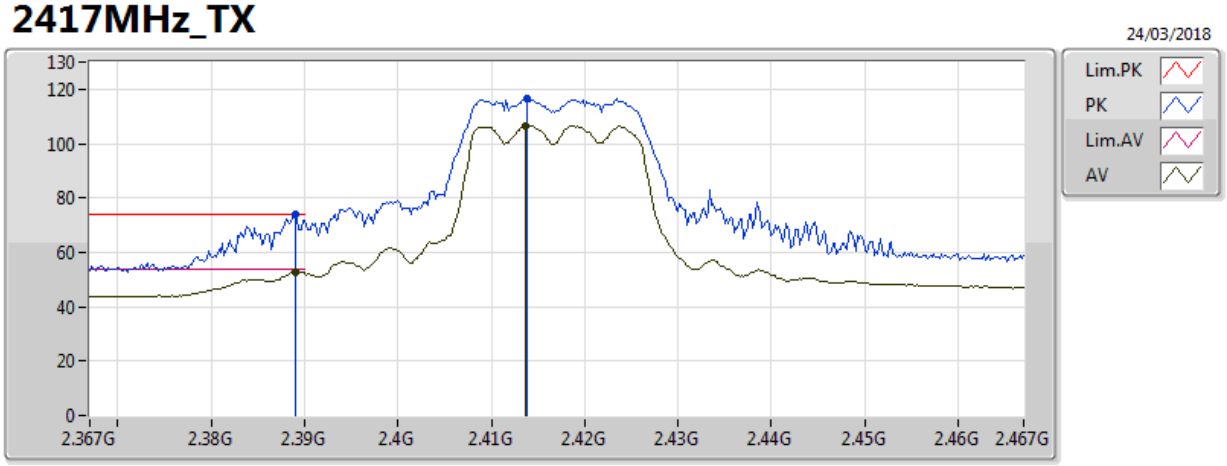


EUT Y_4TX
Setting 87
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	52.03	54.00	-1.97	30.97	3	Vertical	100	1.95	-
AV	2.4222G	106.30	Inf	-Inf	30.99	3	Vertical	100	1.95	-
PK	2.3884G	69.25	74.00	-4.75	30.97	3	Vertical	100	1.95	-
PK	2.4232G	116.75	Inf	-Inf	31.00	3	Vertical	100	1.95	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2417MHz_TX

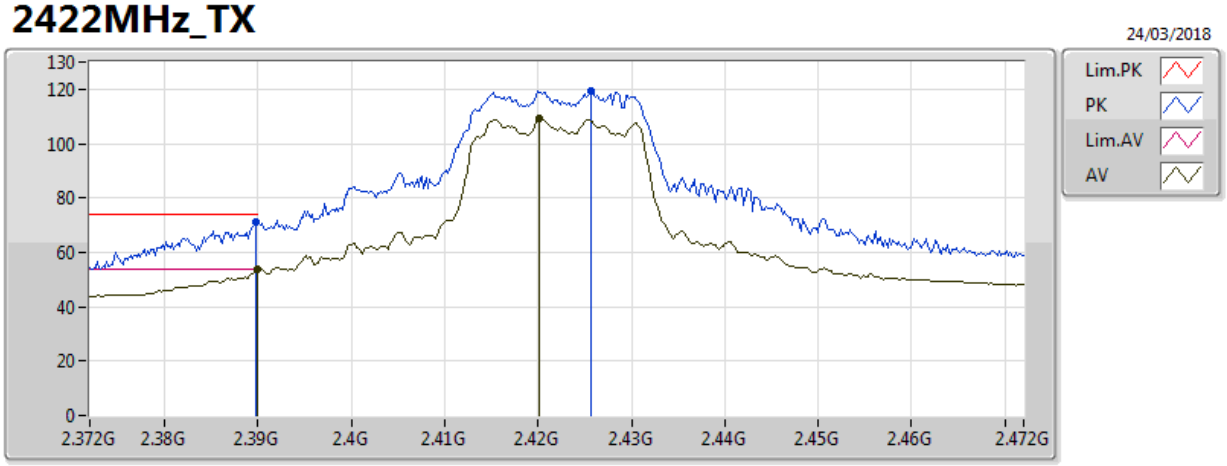


EUT Y_4TX
Setting 87
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	52.69	54.00	-1.31	30.96	3	Horizontal	146	2.19	-
AV	2.4136G	106.56	Inf	-Inf	30.97	3	Horizontal	146	2.19	-
PK	2.389G	73.74	74.00	-0.26	30.96	3	Horizontal	146	2.19	-
PK	2.4138G	116.61	Inf	-Inf	30.97	3	Horizontal	146	2.19	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2422MHz_TX

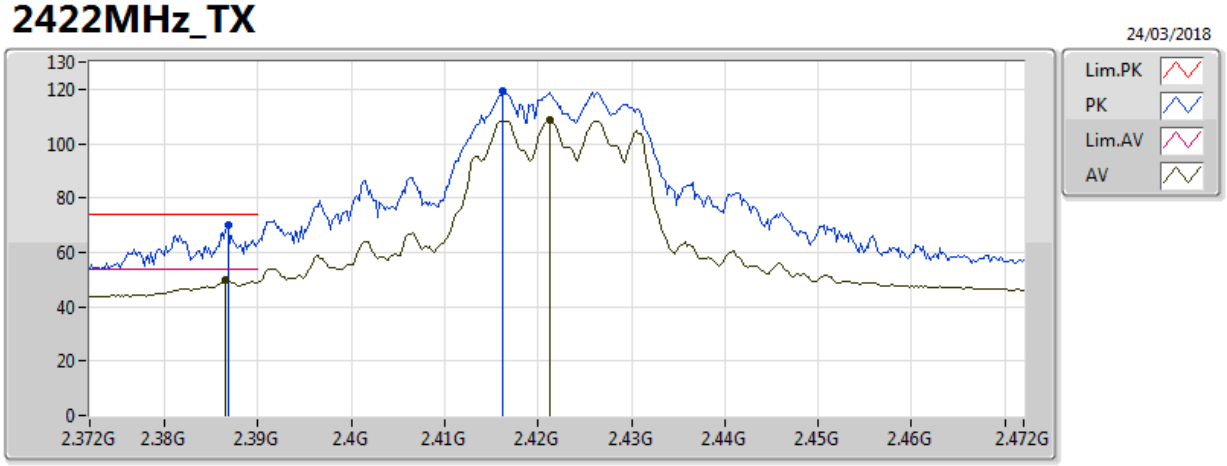


EUT Y_4TX
Setting 95
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.95	54.00	-0.05	30.97	3	Vertical	71	1.46	-
AV	2.4202G	109.18	Inf	-Inf	30.99	3	Vertical	71	1.46	-
PK	2.3898G	71.17	74.00	-2.83	30.97	3	Vertical	71	1.46	-
PK	2.4256G	119.34	Inf	-Inf	31.00	3	Vertical	71	1.46	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2422MHz_TX

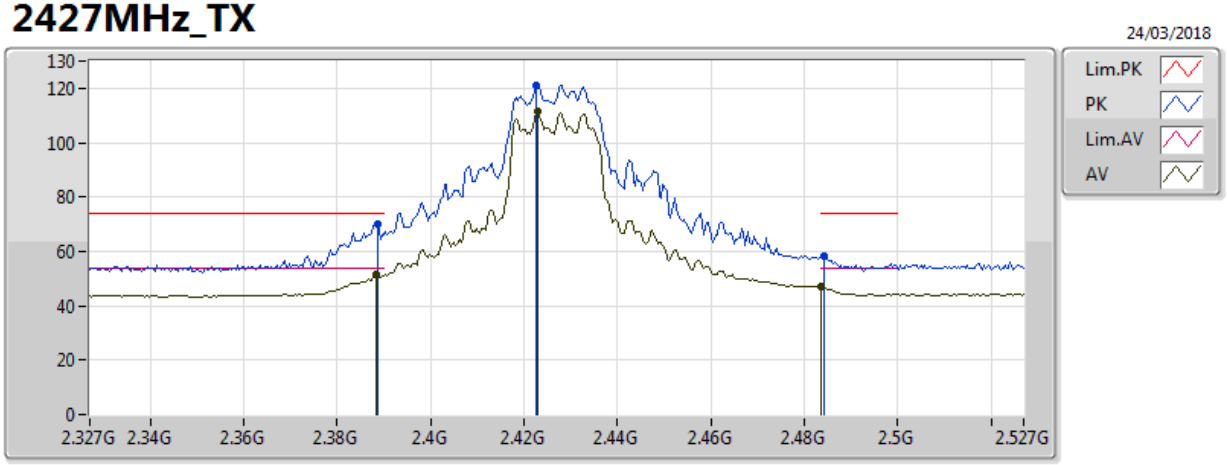


EUT Y_4TX
Setting 95
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3866G	49.74	54.00	-4.26	30.97	3	Horizontal	258	1.94	-
AV	2.4212G	108.47	Inf	-Inf	30.99	3	Horizontal	258	1.94	-
PK	2.3868G	69.77	74.00	-4.23	30.97	3	Horizontal	258	1.94	-
PK	2.4162G	119.17	Inf	-Inf	30.98	3	Horizontal	258	1.94	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2427MHz_TX

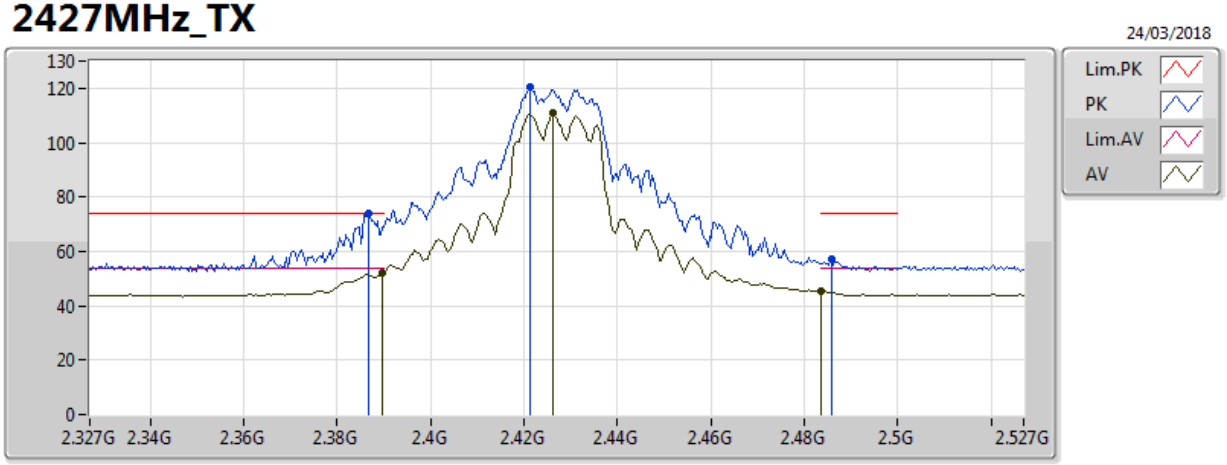


EUT Y_4TX
Setting 99
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	51.58	54.00	-2.42	30.97	3	Vertical	102	1.95	-
AV	2.423G	111.25	Inf	-Inf	31.00	3	Vertical	102	1.95	-
AV	2.483502G	46.98	54.00	-7.02	31.17	3	Vertical	102	1.95	-
PK	2.3886G	70.30	74.00	-3.70	30.97	3	Vertical	102	1.95	-
PK	2.4226G	121.22	Inf	-Inf	31.00	3	Vertical	102	1.95	-
PK	2.4842G	58.47	74.00	-15.53	31.17	3	Vertical	102	1.95	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2427MHz_TX

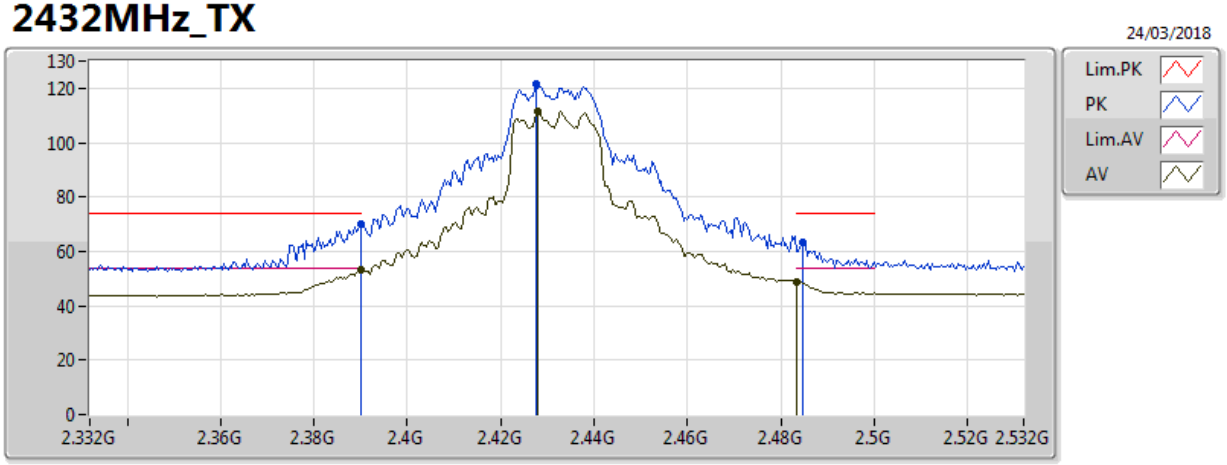


EUT Y_4TX
Setting 99
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	51.98	54.00	-2.02	30.97	3	Horizontal	142	2.20	-
AV	2.4262G	110.68	Inf	-Inf	31.01	3	Horizontal	142	2.20	-
AV	2.483502G	45.37	54.00	-8.63	31.17	3	Horizontal	142	2.20	-
PK	2.3866G	73.76	74.00	-0.24	30.97	3	Horizontal	142	2.20	-
PK	2.4214G	120.57	Inf	-Inf	30.99	3	Horizontal	142	2.20	-
PK	2.4858G	57.08	74.00	-16.92	31.18	3	Horizontal	142	2.20	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2432MHz_TX

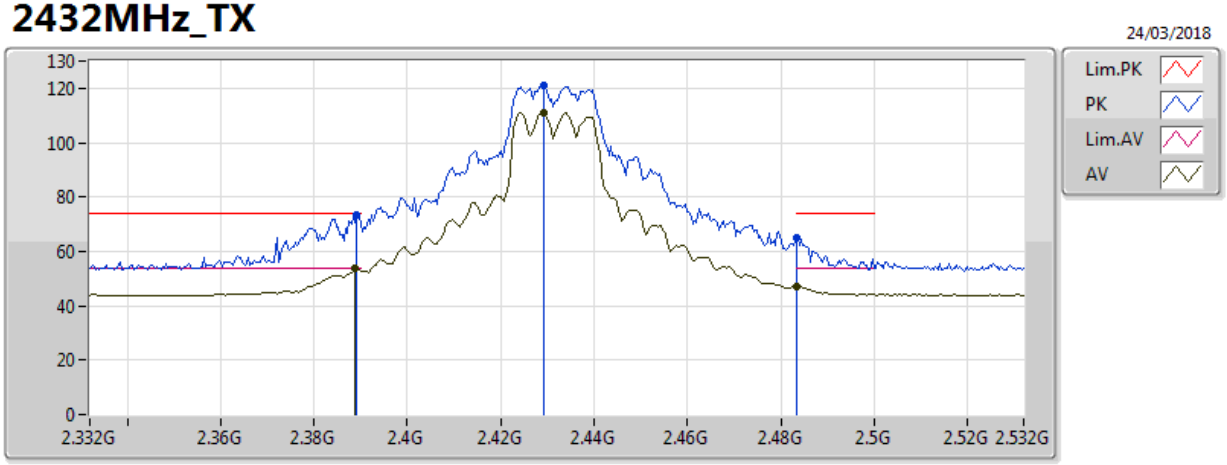


EUT Y_4TX
Setting 105
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.40	54.00	-0.60	30.97	3	Vertical	66	1.81	-
AV	2.428G	111.28	Inf	-Inf	31.01	3	Vertical	66	1.81	-
AV	2.483502G	48.85	54.00	-5.15	31.17	3	Vertical	66	1.81	-
PK	2.389998G	70.18	74.00	-3.82	30.97	3	Vertical	66	1.81	-
PK	2.4276G	121.58	Inf	-Inf	31.01	3	Vertical	66	1.81	-
PK	2.4848G	63.50	74.00	-10.50	31.17	3	Vertical	66	1.81	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2432MHz_TX

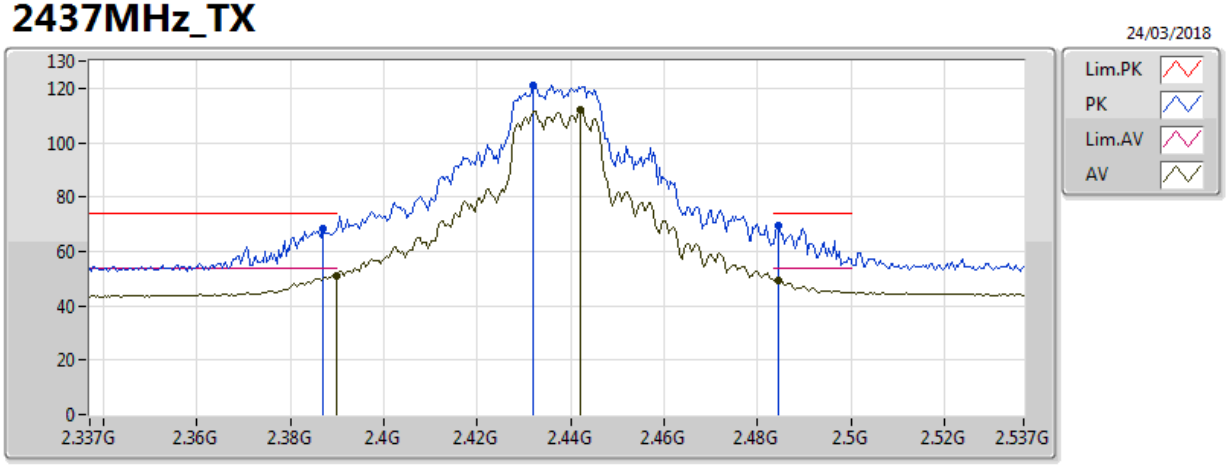


EUT Y_4TX
Setting 105
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	53.78	54.00	-0.22	30.96	3	Horizontal	163	1.55	-
AV	2.4292G	111.09	Inf	-Inf	31.01	3	Horizontal	163	1.55	-
AV	2.483502G	46.90	54.00	-7.10	31.17	3	Horizontal	163	1.55	-
PK	2.3892G	73.32	74.00	-0.68	30.96	3	Horizontal	163	1.55	-
PK	2.4292G	120.88	Inf	-Inf	31.01	3	Horizontal	163	1.55	-
PK	2.483502G	65.04	74.00	-8.96	31.17	3	Horizontal	163	1.55	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

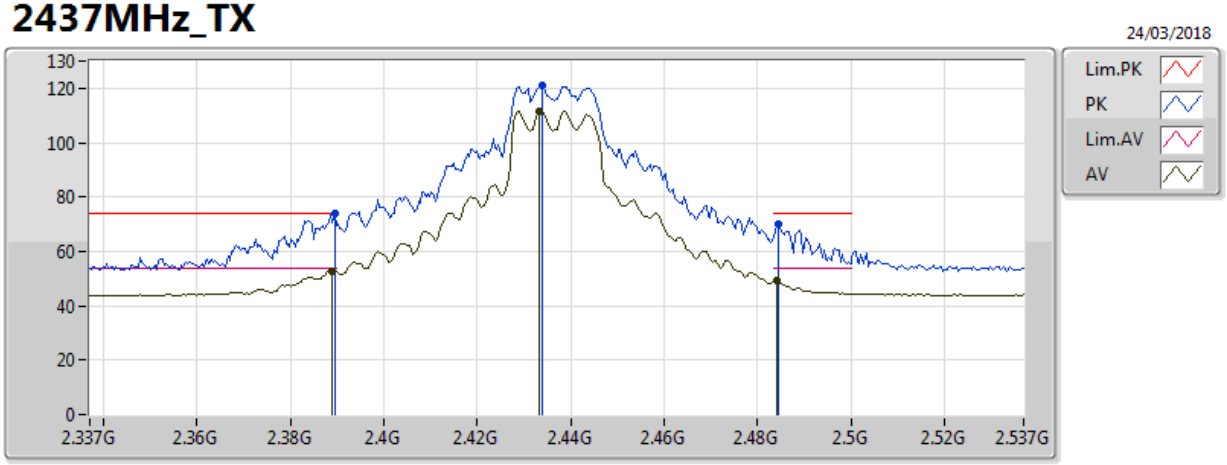


EUT Y_4TX
Setting 108
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	51.23	54.00	-2.77	30.97	3	Vertical	95	1.72	-
AV	2.4422G	111.90	Inf	-Inf	31.05	3	Vertical	95	1.72	-
AV	2.4846G	49.58	54.00	-4.42	31.17	3	Vertical	95	1.72	-
PK	2.387G	68.46	74.00	-5.54	30.97	3	Vertical	95	1.72	-
PK	2.4318G	121.13	Inf	-Inf	31.02	3	Vertical	95	1.72	-
PK	2.4846G	69.32	74.00	-4.68	31.17	3	Vertical	95	1.72	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

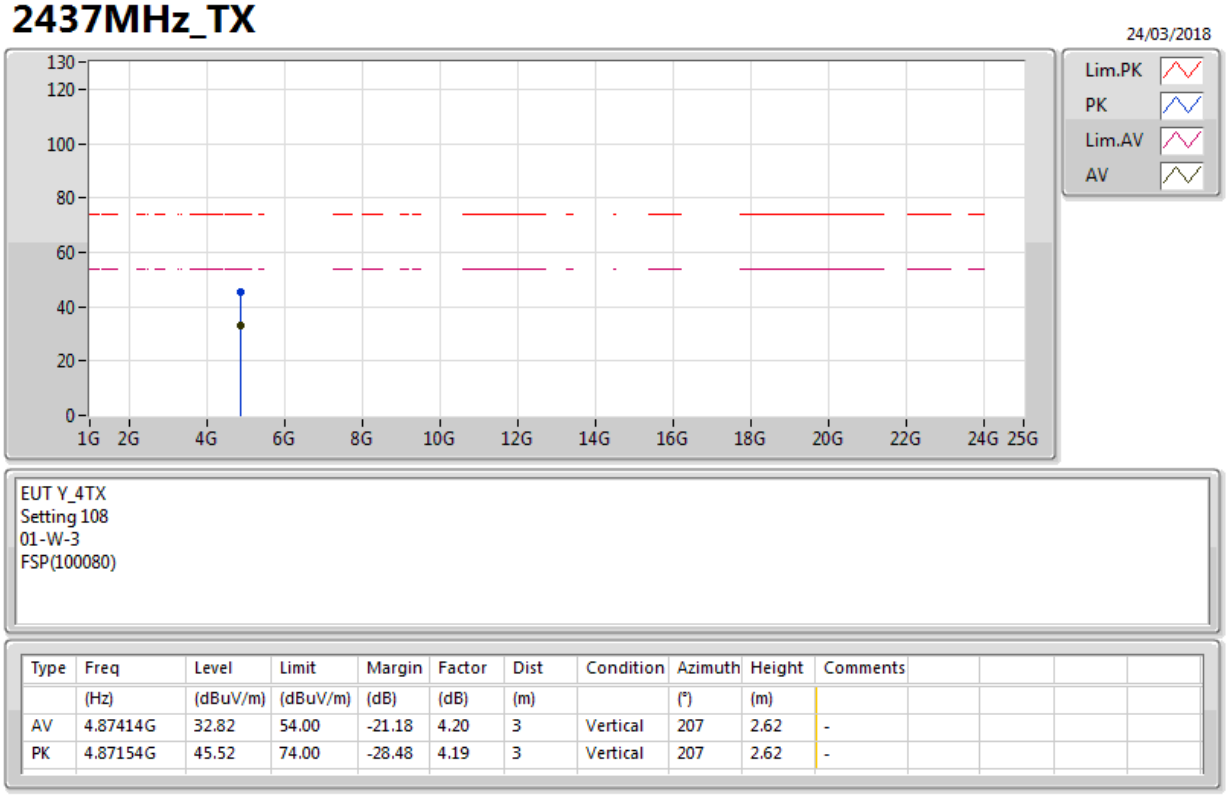


EUT Y_4TX
Setting 108
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	52.78	54.00	-1.22	30.97	3	Horizontal	161	1.61	-
AV	2.4334G	111.58	Inf	-Inf	31.03	3	Horizontal	161	1.61	-
AV	2.4842G	49.11	54.00	-4.89	31.17	3	Horizontal	161	1.61	-
PK	2.3894G	73.94	74.00	-0.06	30.97	3	Horizontal	161	1.61	-
PK	2.4338G	121.24	Inf	-Inf	31.03	3	Horizontal	161	1.61	-
PK	2.4846G	69.86	74.00	-4.14	31.17	3	Horizontal	161	1.61	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

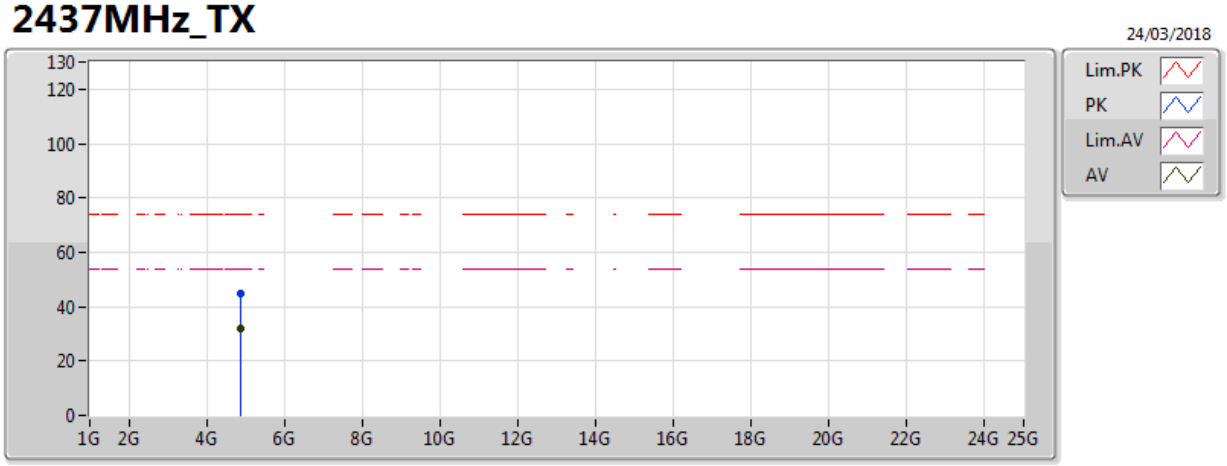


EUT Y_4TX
Setting 108
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87414G	32.82	54.00	-21.18	4.20	3	Vertical	207	2.62	-
PK	4.87154G	45.52	74.00	-28.48	4.19	3	Vertical	207	2.62	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2437MHz_TX

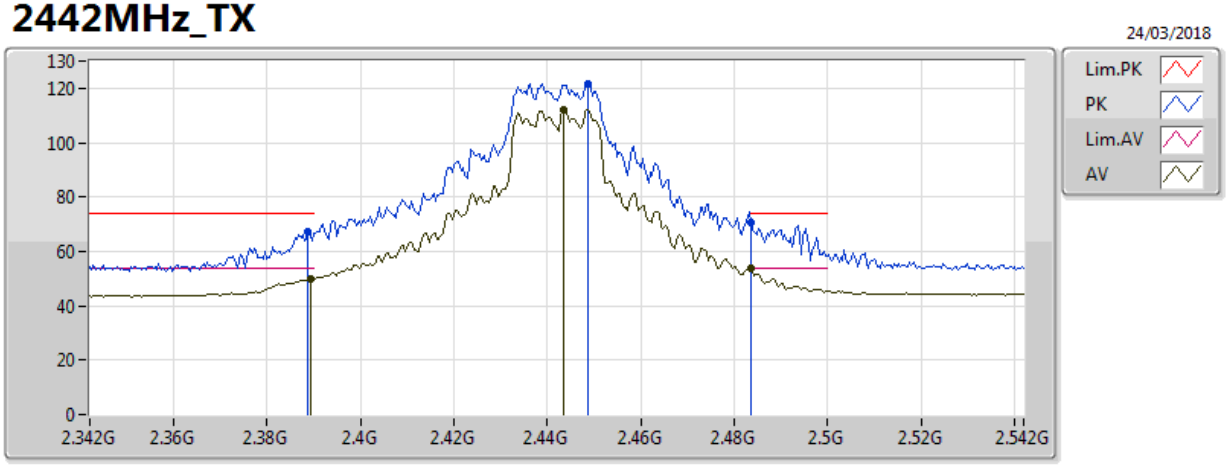


EUT Y_4TX
Setting 108
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8746G	31.93	54.00	-22.07	4.21	3	Horizontal	84	1.27	-
PK	4.87504G	44.98	74.00	-29.02	4.21	3	Horizontal	84	1.27	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2442MHz_TX

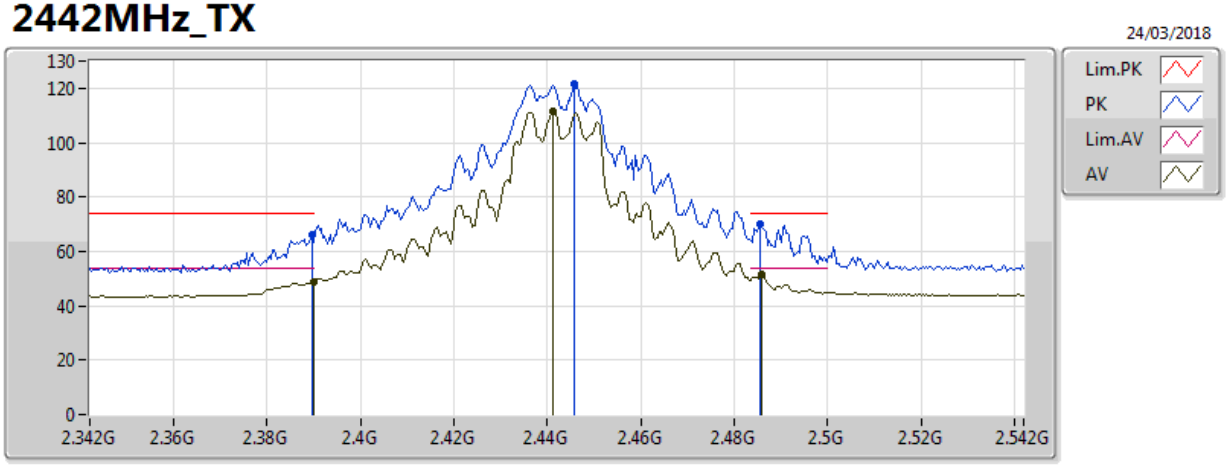


EUT Y_4TX
Setting 108
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	49.74	54.00	-4.26	30.97	3	Vertical	92	1.77	-
AV	2.4436G	112.24	Inf	-Inf	31.06	3	Vertical	92	1.77	-
AV	2.483502G	53.97	54.00	-0.03	31.17	3	Vertical	92	1.77	-
PK	2.3888G	67.34	74.00	-6.66	30.97	3	Vertical	92	1.77	-
PK	2.4488G	121.84	Inf	-Inf	31.07	3	Vertical	92	1.77	-
PK	2.483502G	70.69	74.00	-3.31	31.17	3	Vertical	92	1.77	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2442MHz_TX

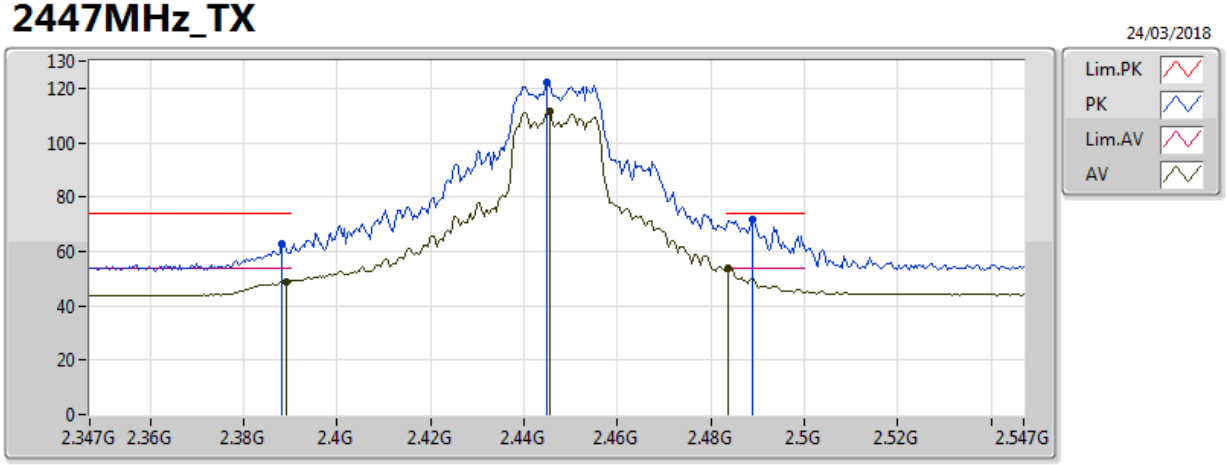


EUT Y_4TX
Setting 108
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	48.97	54.00	-5.03	30.97	3	Horizontal	271	1.83	-
AV	2.4412G	111.37	Inf	-Inf	31.05	3	Horizontal	271	1.83	-
AV	2.486G	51.62	54.00	-2.38	31.18	3	Horizontal	271	1.83	-
PK	2.3896G	66.13	74.00	-7.87	30.97	3	Horizontal	271	1.83	-
PK	2.4456G	121.33	Inf	-Inf	31.06	3	Horizontal	271	1.83	-
PK	2.4856G	69.95	74.00	-4.05	31.18	3	Horizontal	271	1.83	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2447MHz_TX

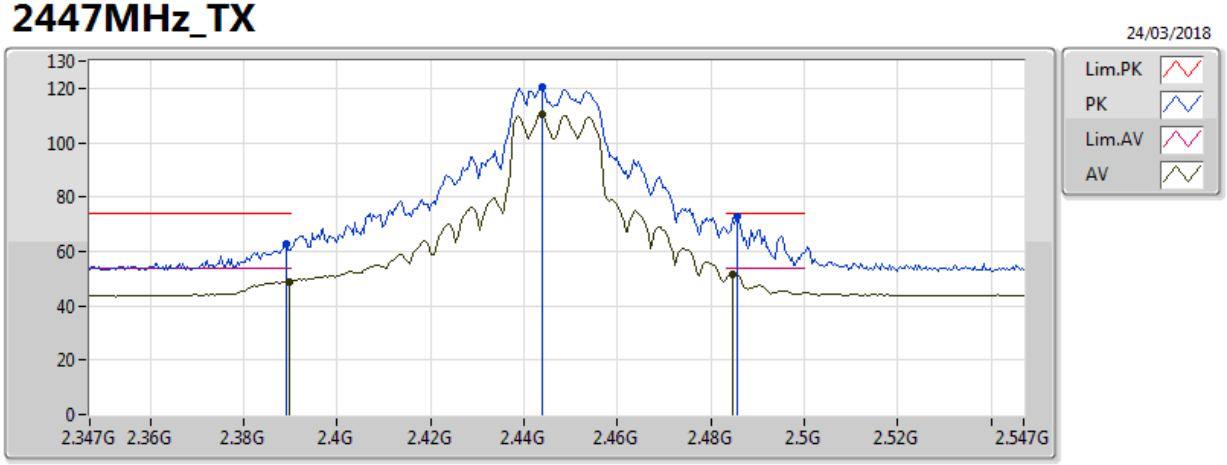


EUT Y_4TX
Setting 104
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	48.91	54.00	-5.09	30.96	3	Vertical	92	1.74	-
AV	2.4454G	111.35	Inf	-Inf	31.06	3	Vertical	92	1.74	-
AV	2.4838G	53.98	54.00	-0.02	31.17	3	Vertical	92	1.74	-
PK	2.3882G	62.77	74.00	-11.23	30.97	3	Vertical	92	1.74	-
PK	2.445G	122.15	Inf	-Inf	31.06	3	Vertical	92	1.74	-
PK	2.489G	71.89	74.00	-2.11	31.19	3	Vertical	92	1.74	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2447MHz_TX

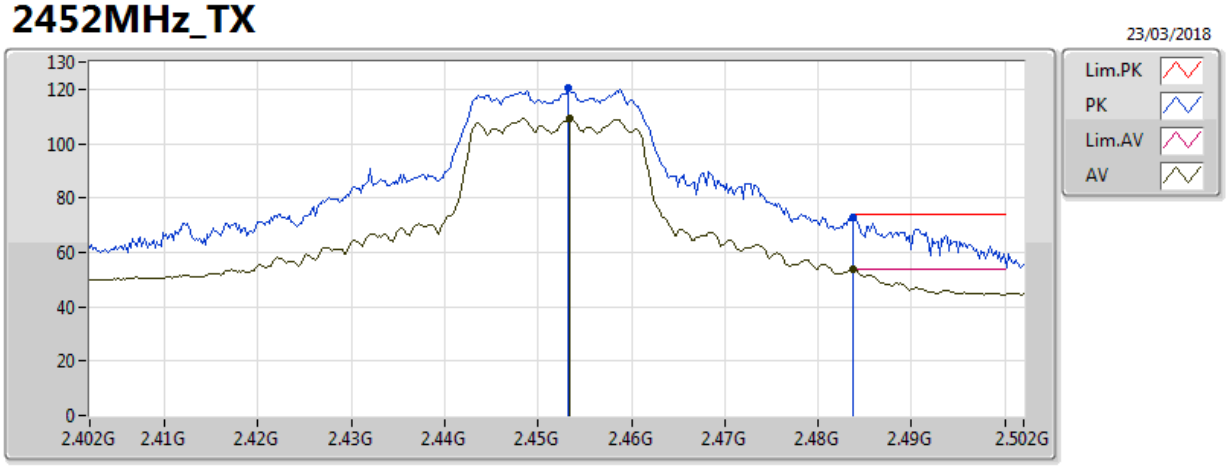


EUT Y_4TX
Setting 104
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	49.03	54.00	-4.97	30.97	3	Horizontal	143	2.14	-
AV	2.4438G	110.22	Inf	-Inf	31.06	3	Horizontal	143	2.14	-
AV	2.4846G	51.48	54.00	-2.52	31.17	3	Horizontal	143	2.14	-
PK	2.389G	62.54	74.00	-11.46	30.97	3	Horizontal	143	2.14	-
PK	2.4438G	120.24	Inf	-Inf	31.06	3	Horizontal	143	2.14	-
PK	2.4858G	72.97	74.00	-1.03	31.18	3	Horizontal	143	2.14	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2452MHz_TX

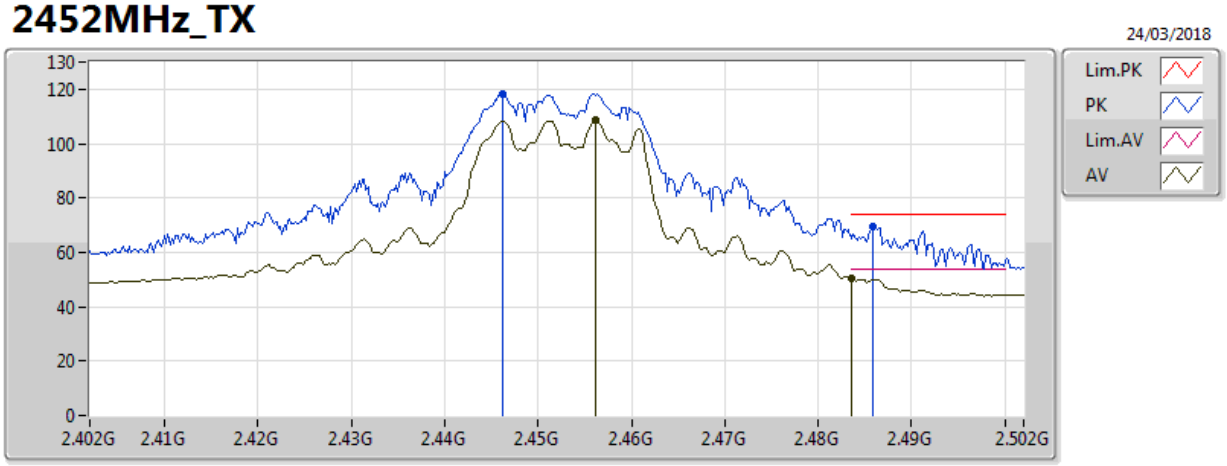


EUT Y_4TX
Setting 98
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4534G	109.06	Inf	-Inf	31.08	3	Vertical	70	1.79	-
AV	2.4838G	53.93	54.00	-0.07	31.17	3	Vertical	70	1.79	-
PK	2.4532G	120.35	Inf	-Inf	31.08	3	Vertical	70	1.79	-
PK	2.4838G	72.73	74.00	-1.27	31.17	3	Vertical	70	1.79	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2452MHz_TX

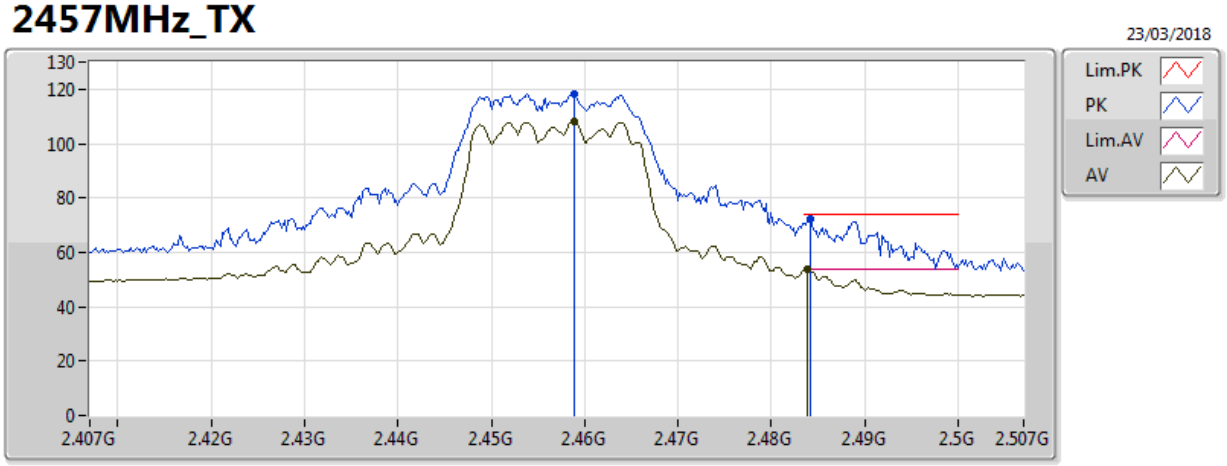


EUT Y_4TX
Setting 98
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	108.62	Inf	-Inf	31.09	3	Horizontal	270	1.84	-
AV	2.483502G	50.53	54.00	-3.47	31.17	3	Horizontal	270	1.84	-
PK	2.4462G	118.29	Inf	-Inf	31.06	3	Horizontal	270	1.84	-
PK	2.4858G	69.47	74.00	-4.53	31.18	3	Horizontal	270	1.84	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2457MHz_TX

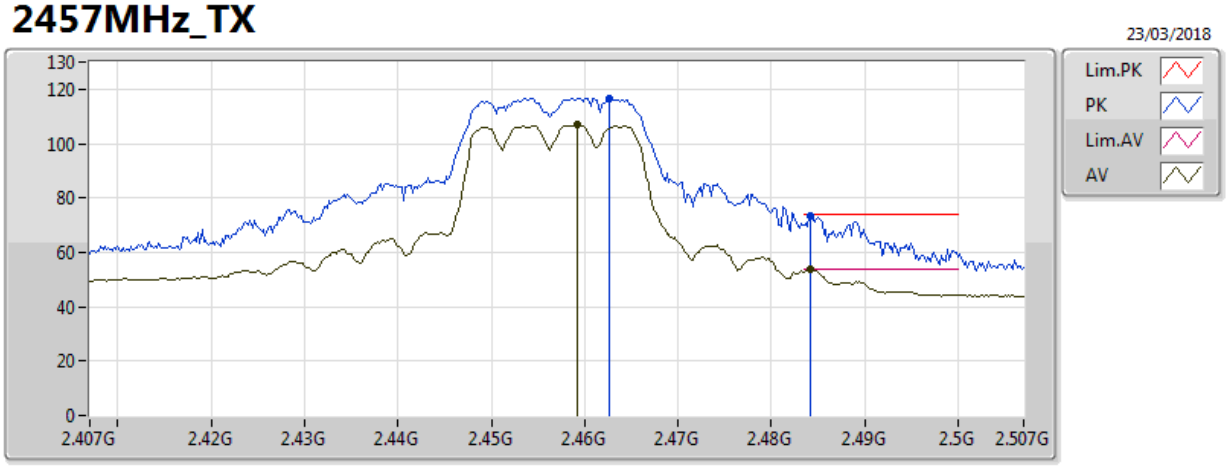


EUT Y_4TX
Setting 94
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4588G	108.30	Inf	-Inf	31.10	3	Vertical	100	1.80	-
AV	2.4838G	53.98	54.00	-0.02	31.17	3	Vertical	100	1.80	-
PK	2.4588G	118.40	Inf	-Inf	31.10	3	Vertical	100	1.80	-
PK	2.4842G	72.37	74.00	-1.63	31.17	3	Vertical	100	1.80	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2457MHz_TX

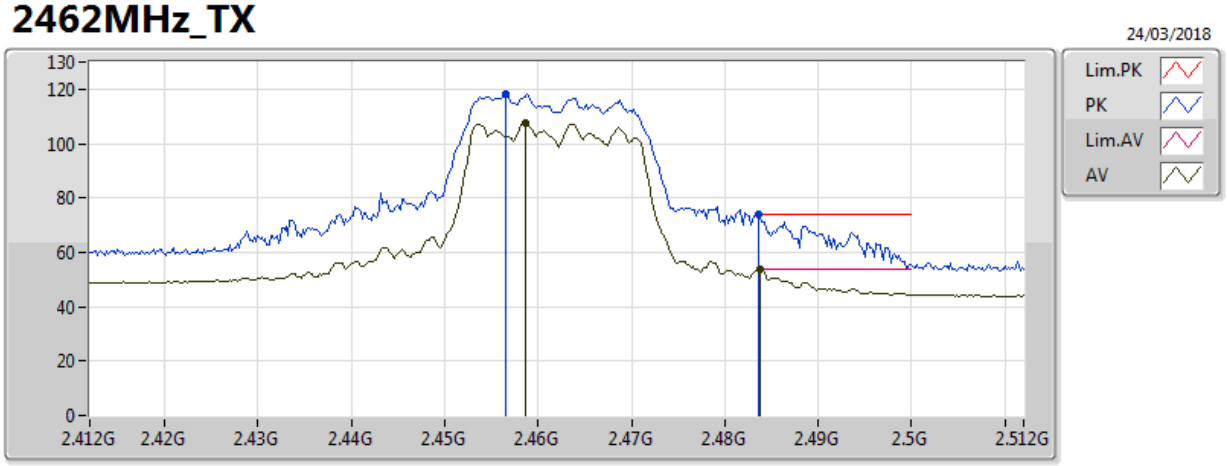


EUT Y_4TX
Setting 94
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4592G	106.76	Inf	-Inf	31.10	3	Horizontal	144	1.85	-
AV	2.4842G	53.86	54.00	-0.14	31.17	3	Horizontal	144	1.85	-
PK	2.4626G	116.60	Inf	-Inf	31.11	3	Horizontal	144	1.85	-
PK	2.4842G	73.17	74.00	-0.83	31.17	3	Horizontal	144	1.85	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

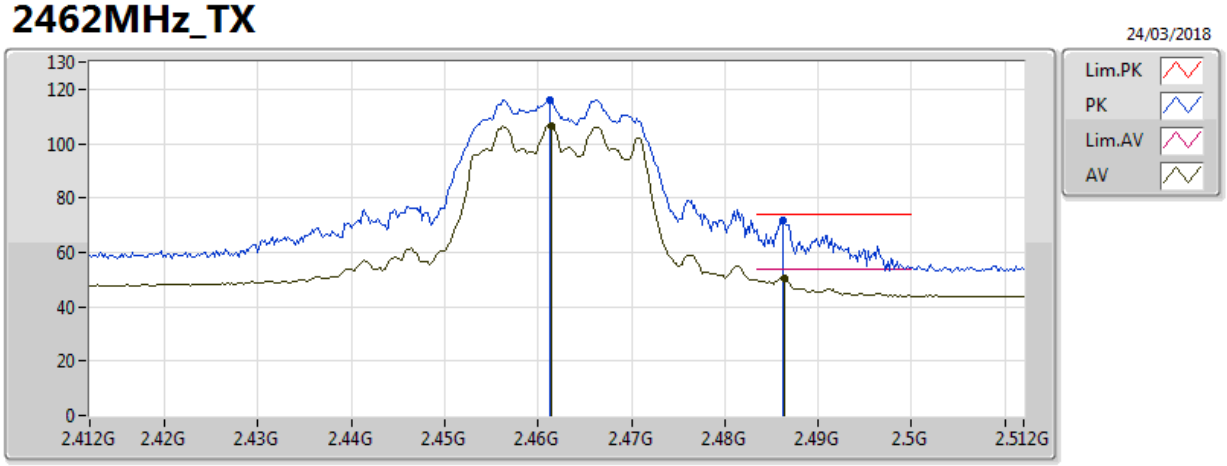


EUT Y_4TX
Setting 89
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4586G	107.51	Inf	-Inf	31.10	3	Vertical	87	1.79	-
AV	2.4838G	53.98	54.00	-0.02	31.17	3	Vertical	87	1.79	-
PK	2.4566G	118.13	Inf	-Inf	31.09	3	Vertical	87	1.79	-
PK	2.4836G	73.95	74.00	-0.05	31.17	3	Vertical	87	1.79	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

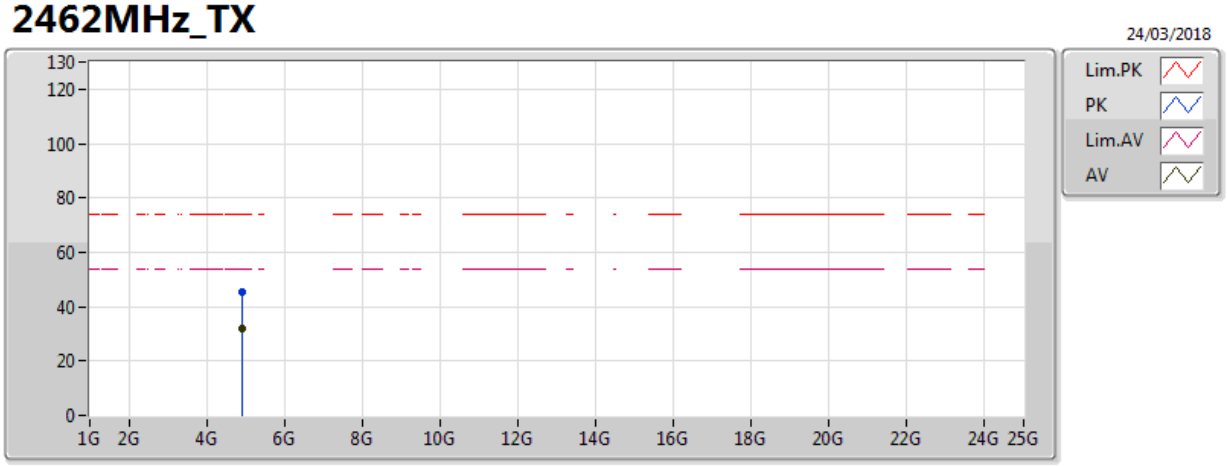


EUT Y_4TX
Setting 89
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4614G	106.72	Inf	-Inf	31.11	3	Horizontal	273	1.79	-
AV	2.4864G	50.60	54.00	-3.40	31.18	3	Horizontal	273	1.79	-
PK	2.4612G	116.09	Inf	-Inf	31.11	3	Horizontal	273	1.79	-
PK	2.4862G	71.46	74.00	-2.54	31.18	3	Horizontal	273	1.79	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

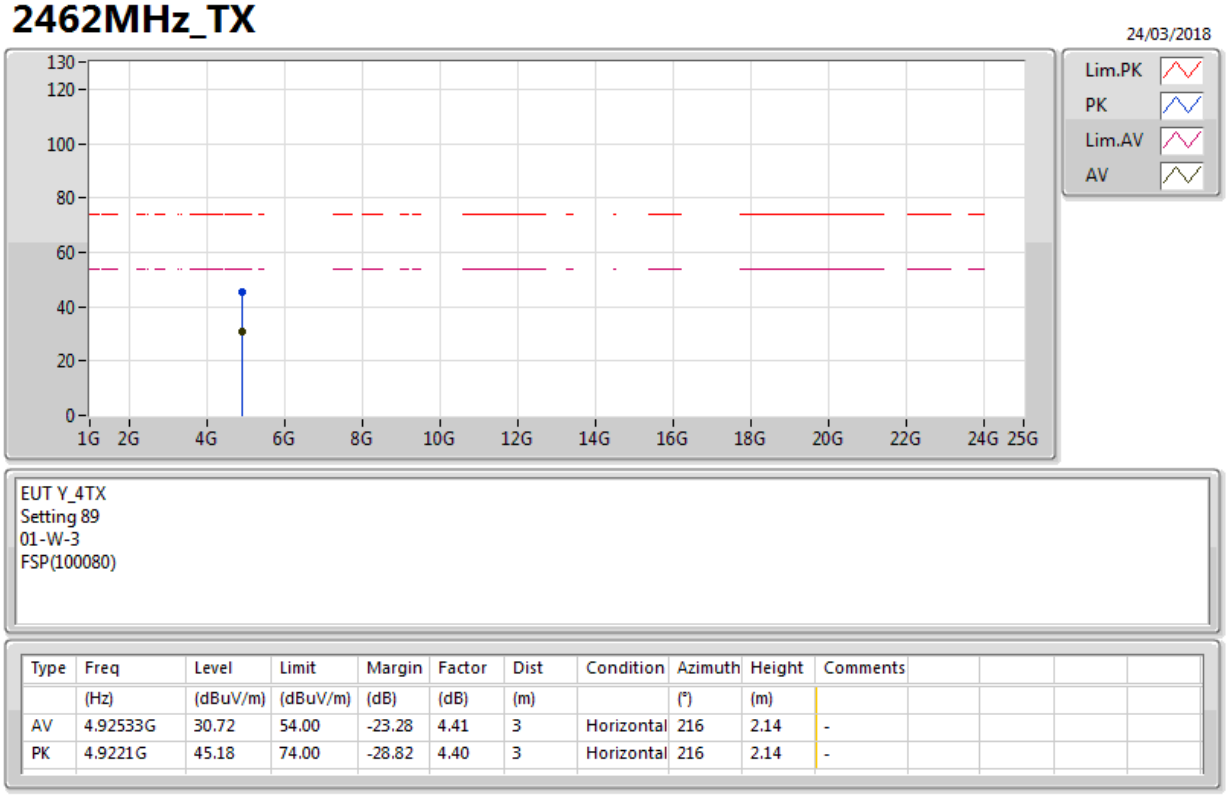


EUT Y_4TX
Setting 89
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92279G	32.04	54.00	-21.96	4.40	3	Vertical	181	1.63	-
PK	4.92286G	45.57	74.00	-28.43	4.40	3	Vertical	181	1.63	-

802.11ac VHT20_Nss1,(MCS0)_4TX

2462MHz_TX

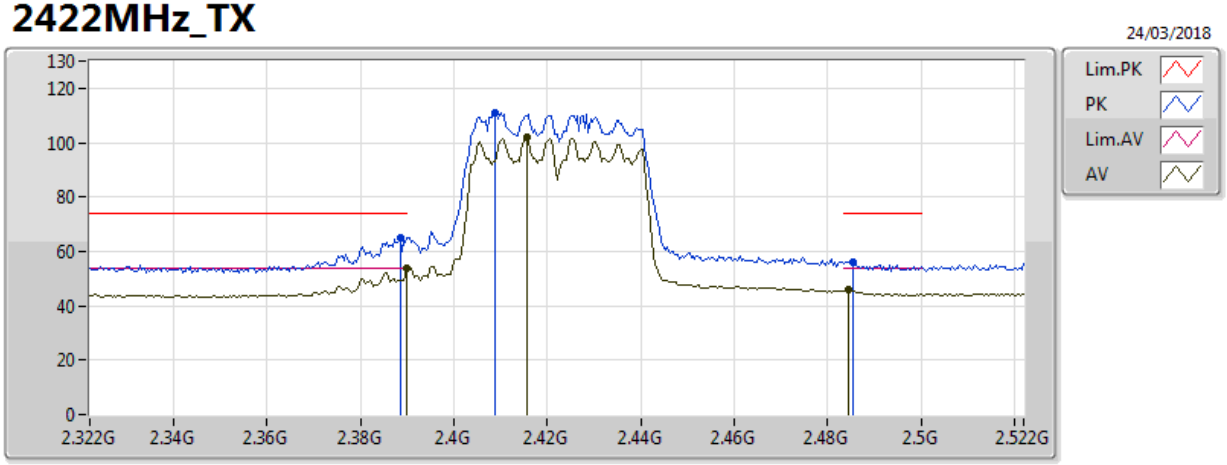


EUT Y_4TX
Setting 89
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92533G	30.72	54.00	-23.28	4.41	3	Horizontal	216	2.14	-
PK	4.9221G	45.18	74.00	-28.82	4.40	3	Horizontal	216	2.14	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

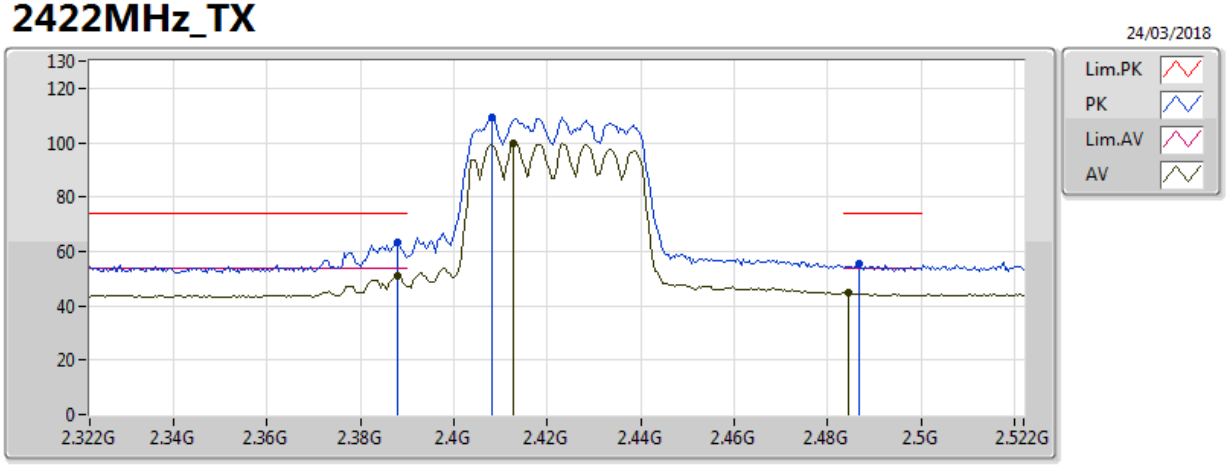


EUT Y_4TX
Setting 67
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.97	54.00	-0.03	30.97	3	Vertical	95	2.26	-
AV	2.4156G	101.75	Inf	-Inf	30.98	3	Vertical	95	2.26	-
AV	2.4844G	45.95	54.00	-8.05	31.17	3	Vertical	95	2.26	-
PK	2.3884G	65.07	74.00	-8.93	30.97	3	Vertical	95	2.26	-
PK	2.4088G	111.22	Inf	-Inf	30.96	3	Vertical	95	2.26	-
PK	2.4856G	56.31	74.00	-17.69	31.18	3	Vertical	95	2.26	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

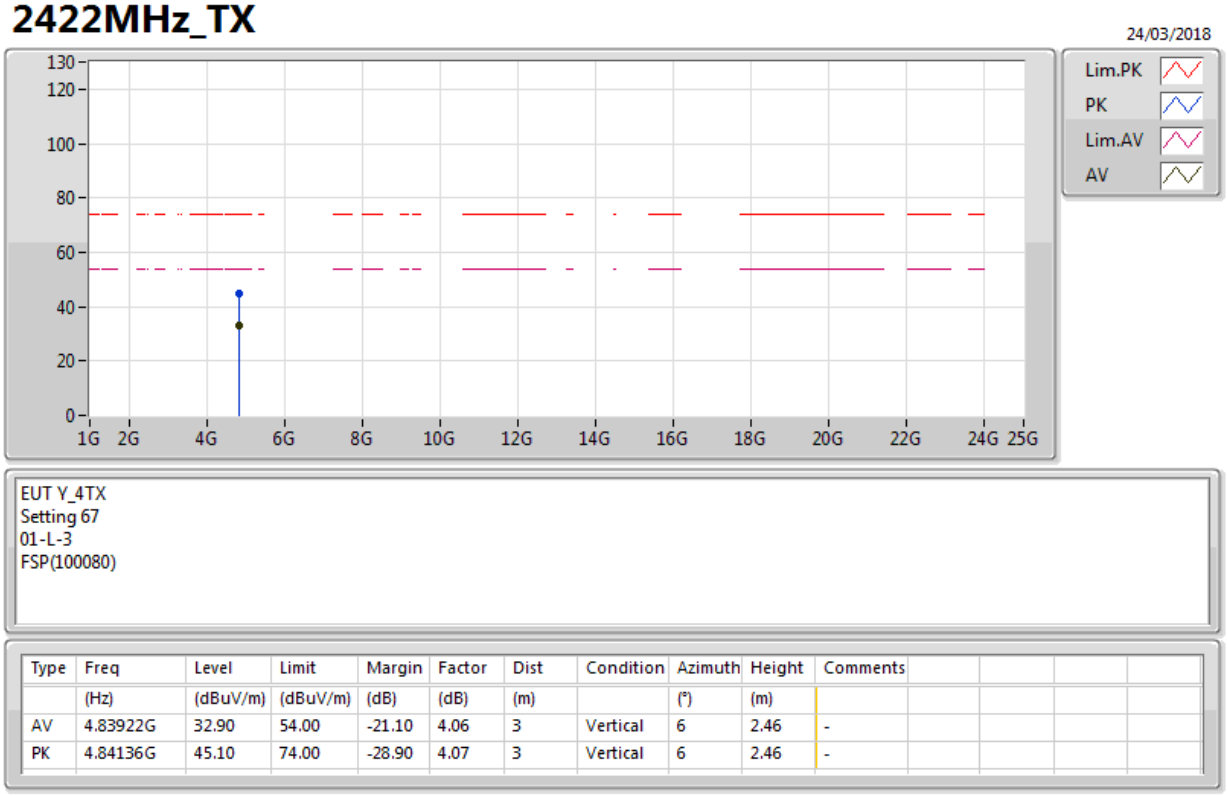


EUT Y_4TX
Setting 67
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.388G	51.24	54.00	-2.76	30.97	3	Horizontal	153	1.06	-
AV	2.4128G	99.71	Inf	-Inf	30.97	3	Horizontal	153	1.06	-
AV	2.4844G	44.66	54.00	-9.34	31.17	3	Horizontal	153	1.06	-
PK	2.388G	63.31	74.00	-10.69	30.97	3	Horizontal	153	1.06	-
PK	2.408G	109.40	Inf	-Inf	30.95	3	Horizontal	153	1.06	-
PK	2.4868G	55.61	74.00	-18.39	31.18	3	Horizontal	153	1.06	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

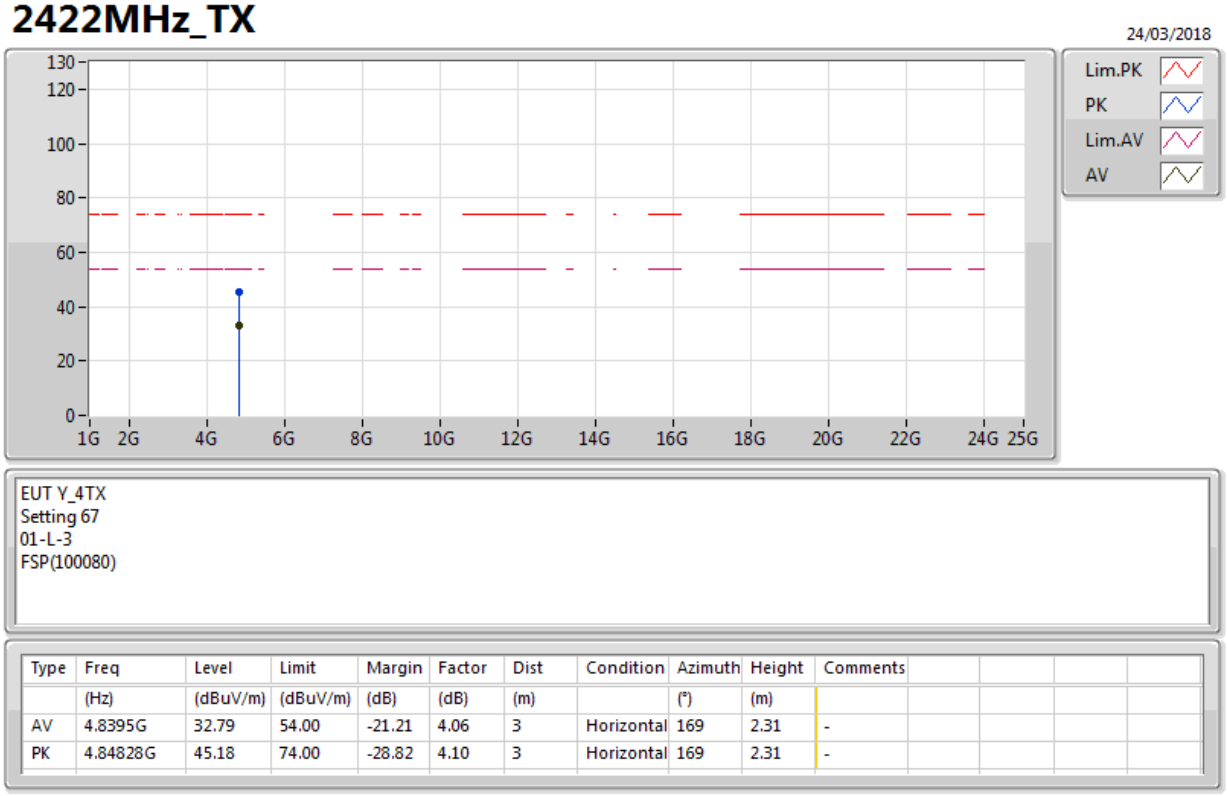


EUT Y_4TX
Setting 67
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.83922G	32.90	54.00	-21.10	4.06	3	Vertical	6	2.46	-
PK	4.84136G	45.10	74.00	-28.90	4.07	3	Vertical	6	2.46	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2422MHz_TX

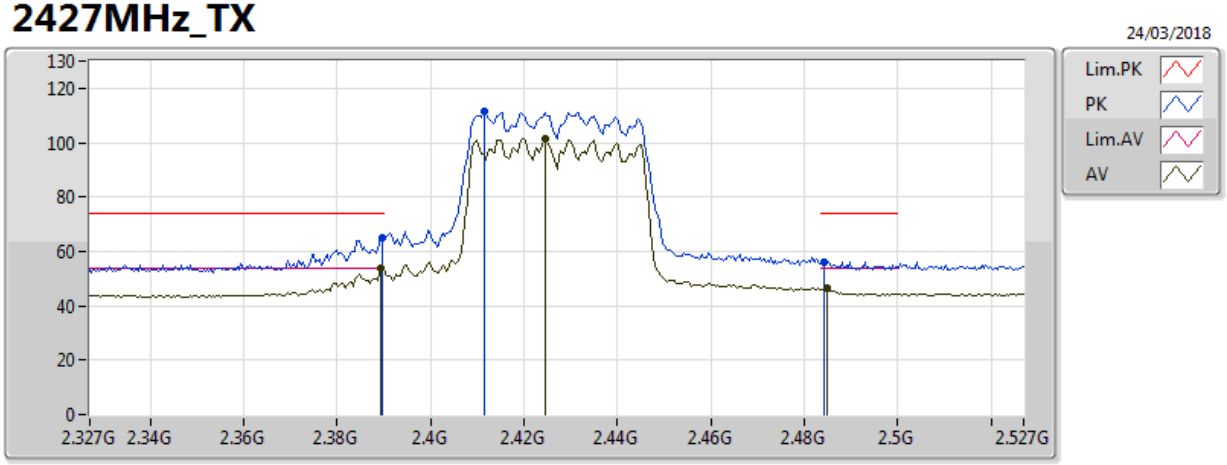


EUT Y_4TX
Setting 67
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8395G	32.79	54.00	-21.21	4.06	3	Horizontal	169	2.31	-
PK	4.84828G	45.18	74.00	-28.82	4.10	3	Horizontal	169	2.31	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2427MHz_TX

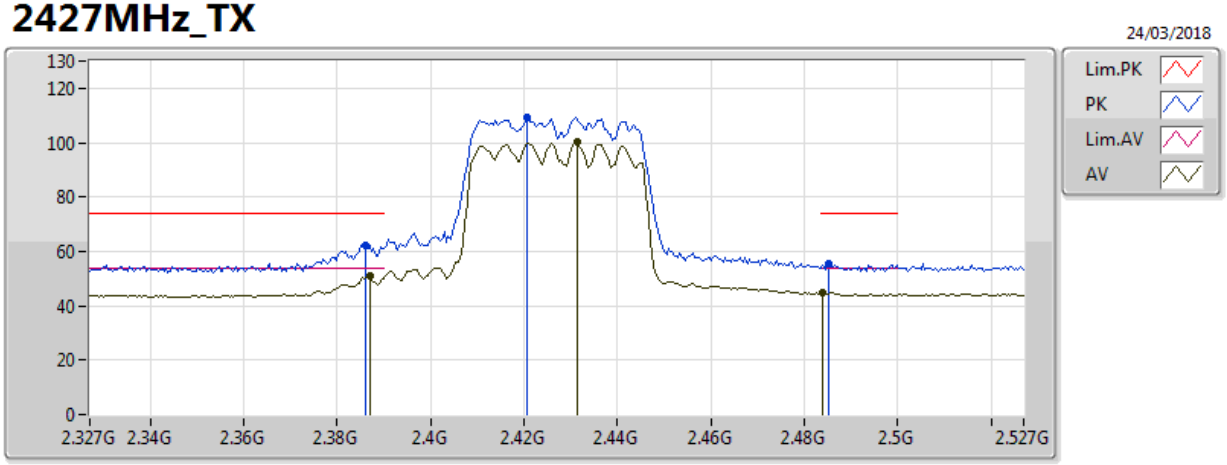


EUT Y_4TX
Setting 72
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	53.68	54.00	-0.32	30.97	3	Vertical	80	2.37	-
AV	2.4246G	101.51	Inf	-Inf	31.00	3	Vertical	80	2.37	-
AV	2.485G	46.32	54.00	-7.68	31.17	3	Vertical	80	2.37	-
PK	2.3898G	65.13	74.00	-8.87	30.97	3	Vertical	80	2.37	-
PK	2.4114G	111.48	Inf	-Inf	30.96	3	Vertical	80	2.37	-
PK	2.4842G	56.28	74.00	-17.72	31.17	3	Vertical	80	2.37	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2427MHz_TX

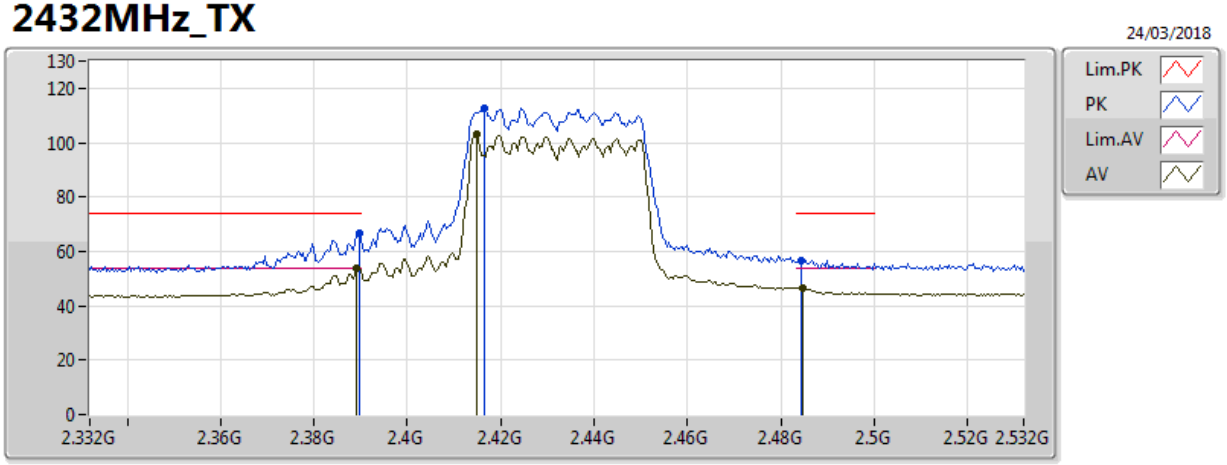


EUT Y_4TX
Setting 72
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.387G	50.76	54.00	-3.24	30.97	3	Horizontal	160	1.59	-
AV	2.4314G	100.09	Inf	-Inf	31.02	3	Horizontal	160	1.59	-
AV	2.4838G	44.78	54.00	-9.22	31.17	3	Horizontal	160	1.59	-
PK	2.3862G	62.45	74.00	-11.55	30.97	3	Horizontal	160	1.59	-
PK	2.4206G	109.42	Inf	-Inf	30.99	3	Horizontal	160	1.59	-
PK	2.4854G	55.39	74.00	-18.61	31.18	3	Horizontal	160	1.59	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2432MHz_TX

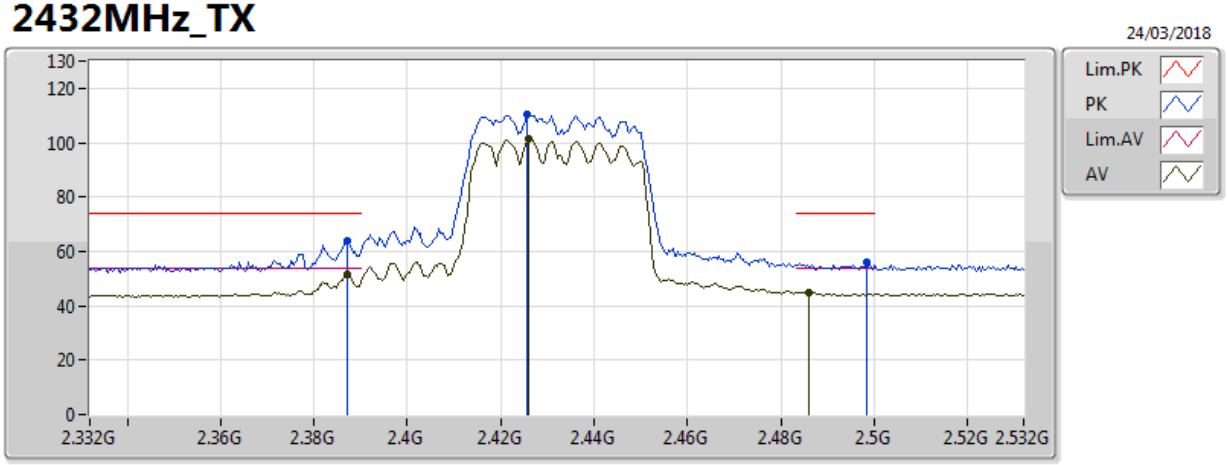


EUT Y_4TX
Setting 77
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	53.66	54.00	-0.34	30.97	3	Vertical	93	1.76	-
AV	2.4148G	102.89	Inf	-Inf	30.97	3	Vertical	93	1.76	-
AV	2.4848G	46.60	54.00	-7.40	31.17	3	Vertical	93	1.76	-
PK	2.3896G	66.56	74.00	-7.44	30.97	3	Vertical	93	1.76	-
PK	2.4164G	112.59	Inf	-Inf	30.98	3	Vertical	93	1.76	-
PK	2.4844G	56.76	74.00	-17.24	31.17	3	Vertical	93	1.76	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2432MHz_TX

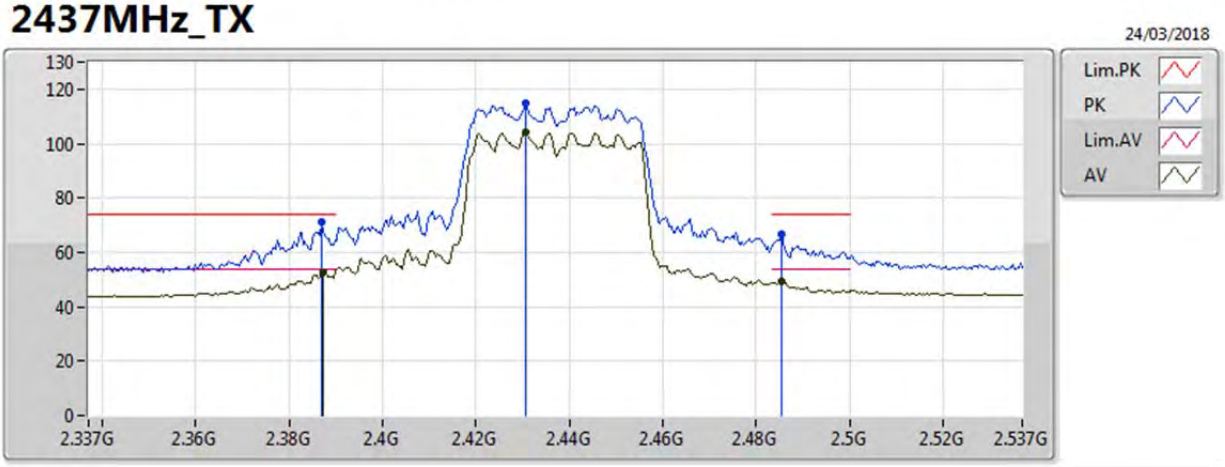


EUT Y_4TX
Setting 77
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3872G	51.37	54.00	-2.63	30.97	3	Horizontal	164	1.58	-
AV	2.426G	101.24	Inf	-Inf	31.01	3	Horizontal	164	1.58	-
AV	2.486G	44.83	54.00	-9.17	31.18	3	Horizontal	164	1.58	-
PK	2.3872G	63.66	74.00	-10.34	30.97	3	Horizontal	164	1.58	-
PK	2.4256G	110.12	Inf	-Inf	31.00	3	Horizontal	164	1.58	-
PK	2.4984G	55.90	74.00	-18.10	31.21	3	Horizontal	164	1.58	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

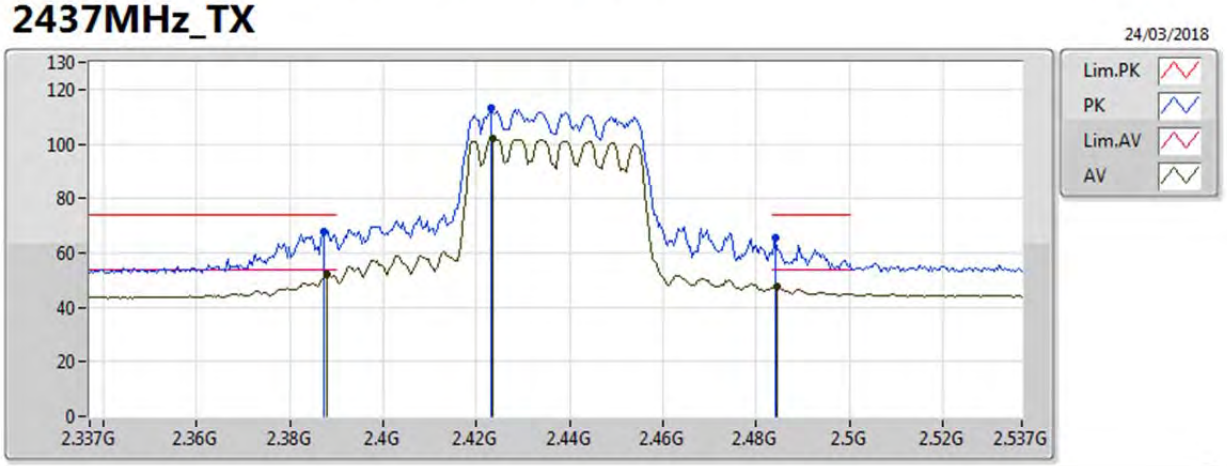


EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3874G	52.54	54.00	-1.46	30.97	3	Vertical	69	1.93	-
AV	2.4306G	104.44	Inf	-Inf	31.02	3	Vertical	69	1.93	-
AV	2.4854G	49.51	54.00	-4.49	31.18	3	Vertical	69	1.93	-
PK	2.387G	71.30	74.00	-2.70	30.97	3	Vertical	69	1.93	-
PK	2.4306G	114.85	Inf	-Inf	31.02	3	Vertical	69	1.93	-
PK	2.4854G	66.66	74.00	-7.34	31.18	3	Vertical	69	1.93	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

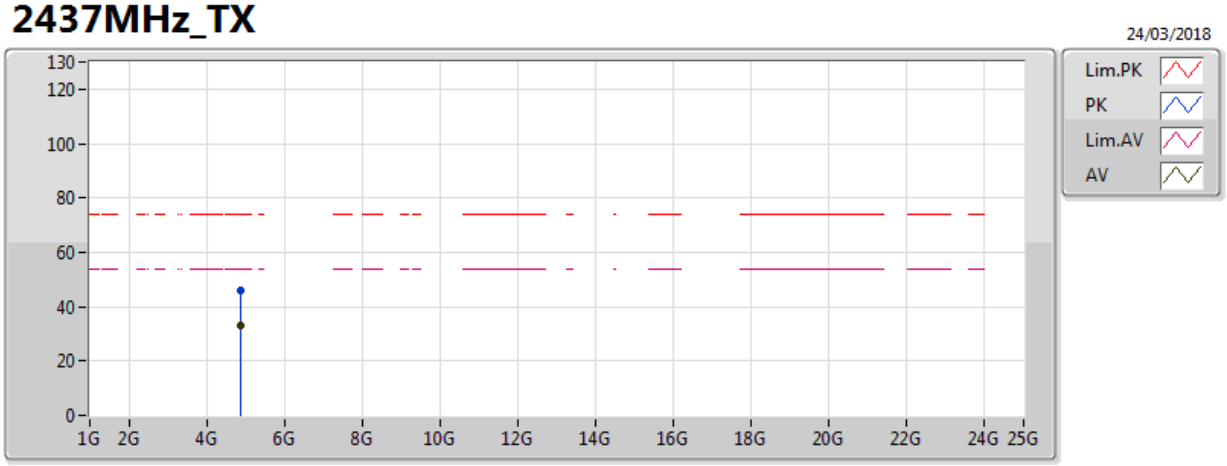


EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3878G	52.22	54.00	-1.78	30.97	3	Horizontal	254	1.69	-
AV	2.4234G	101.97	Inf	-Inf	31.00	3	Horizontal	254	1.69	-
AV	2.4846G	47.87	54.00	-6.13	31.17	3	Horizontal	254	1.69	-
PK	2.3874G	68.04	74.00	-5.96	30.97	3	Horizontal	254	1.69	-
PK	2.423G	113.08	Inf	-Inf	31.00	3	Horizontal	254	1.69	-
PK	2.4842G	65.32	74.00	-8.68	31.17	3	Horizontal	254	1.69	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

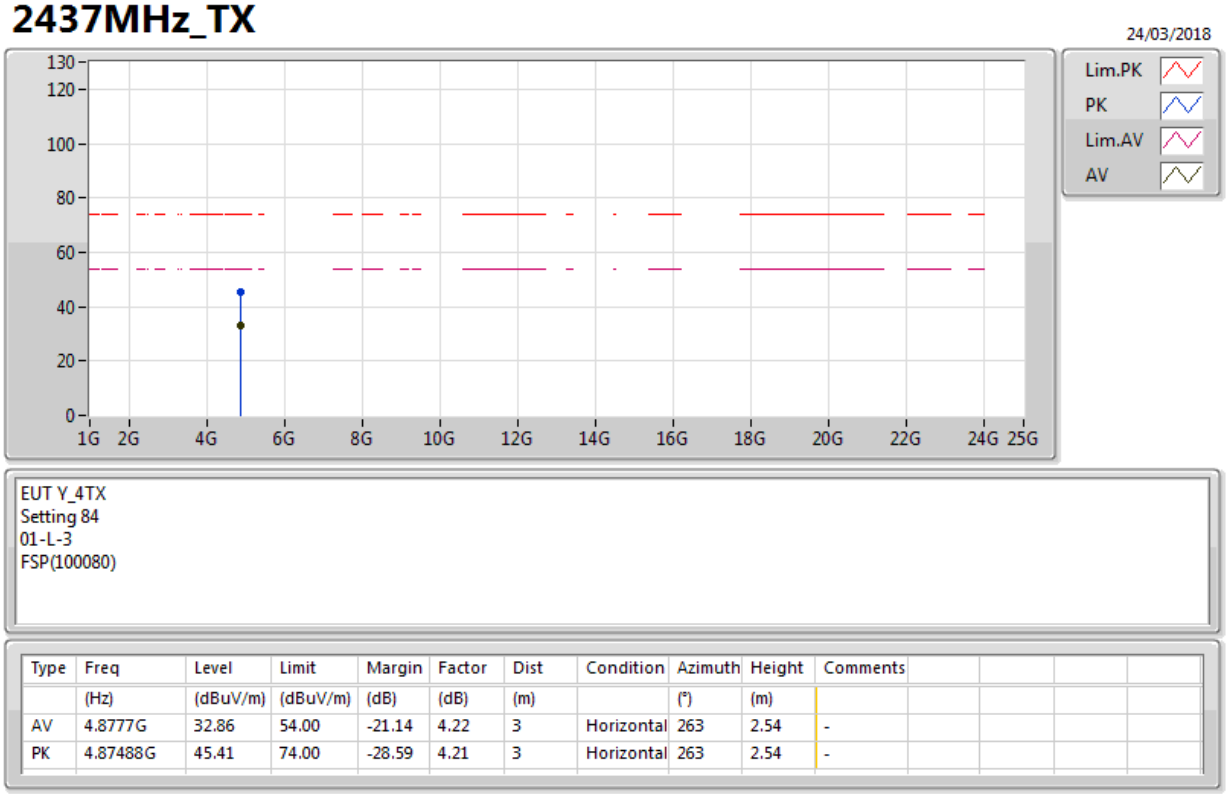


EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8593G	33.24	54.00	-20.76	4.14	3	Vertical	242	1.50	-
PK	4.8761G	46.20	74.00	-27.80	4.21	3	Vertical	242	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2437MHz_TX

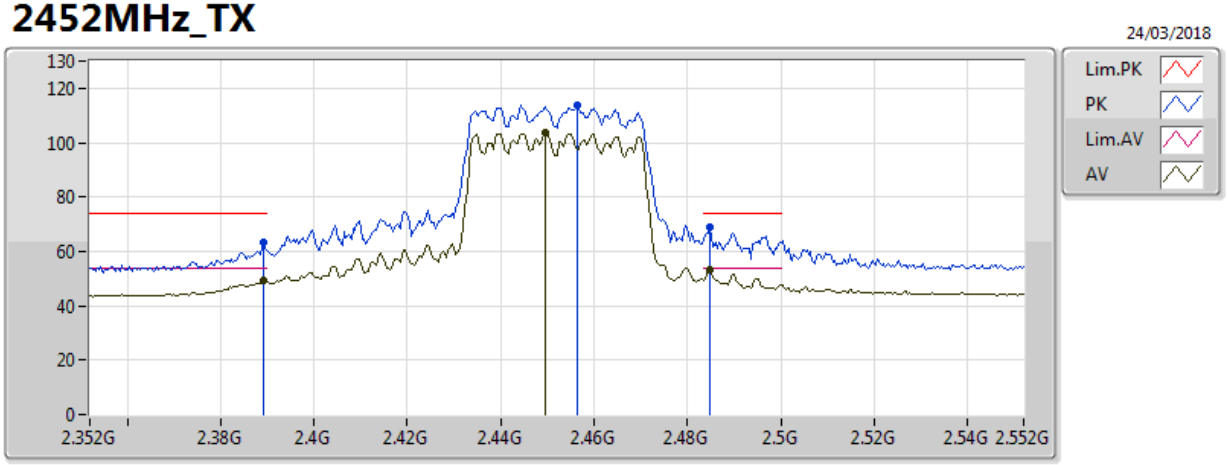


EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8777G	32.86	54.00	-21.14	4.22	3	Horizontal	263	2.54	-
PK	4.87488G	45.41	74.00	-28.59	4.21	3	Horizontal	263	2.54	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

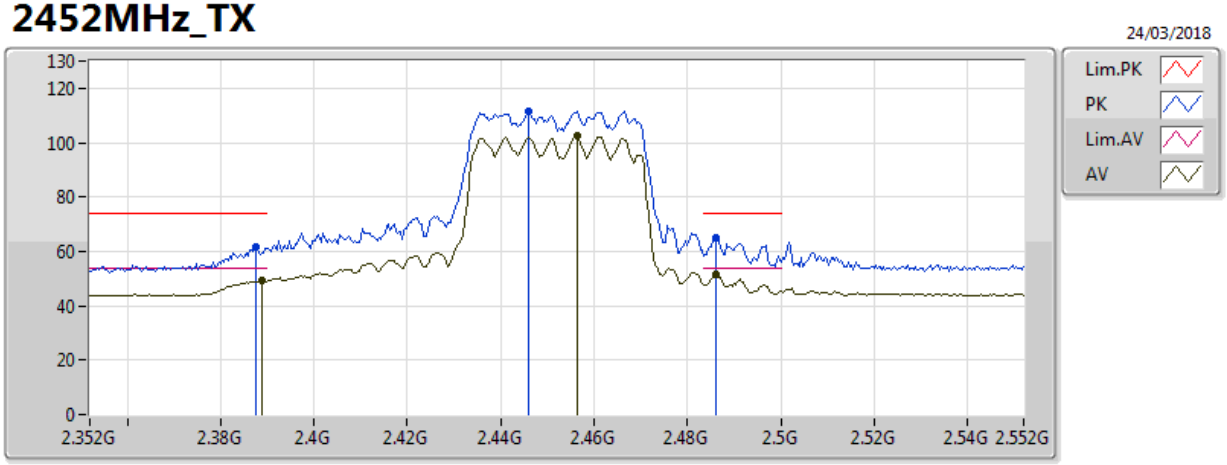


EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	49.47	54.00	-4.53	30.97	3	Vertical	91	1.77	-
AV	2.4496G	103.48	Inf	-Inf	31.07	3	Vertical	91	1.77	-
AV	2.4848G	53.33	54.00	-0.67	31.17	3	Vertical	91	1.77	-
PK	2.3892G	63.05	74.00	-10.95	30.97	3	Vertical	91	1.77	-
PK	2.4564G	113.93	Inf	-Inf	31.09	3	Vertical	91	1.77	-
PK	2.4848G	68.88	74.00	-5.12	31.17	3	Vertical	91	1.77	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

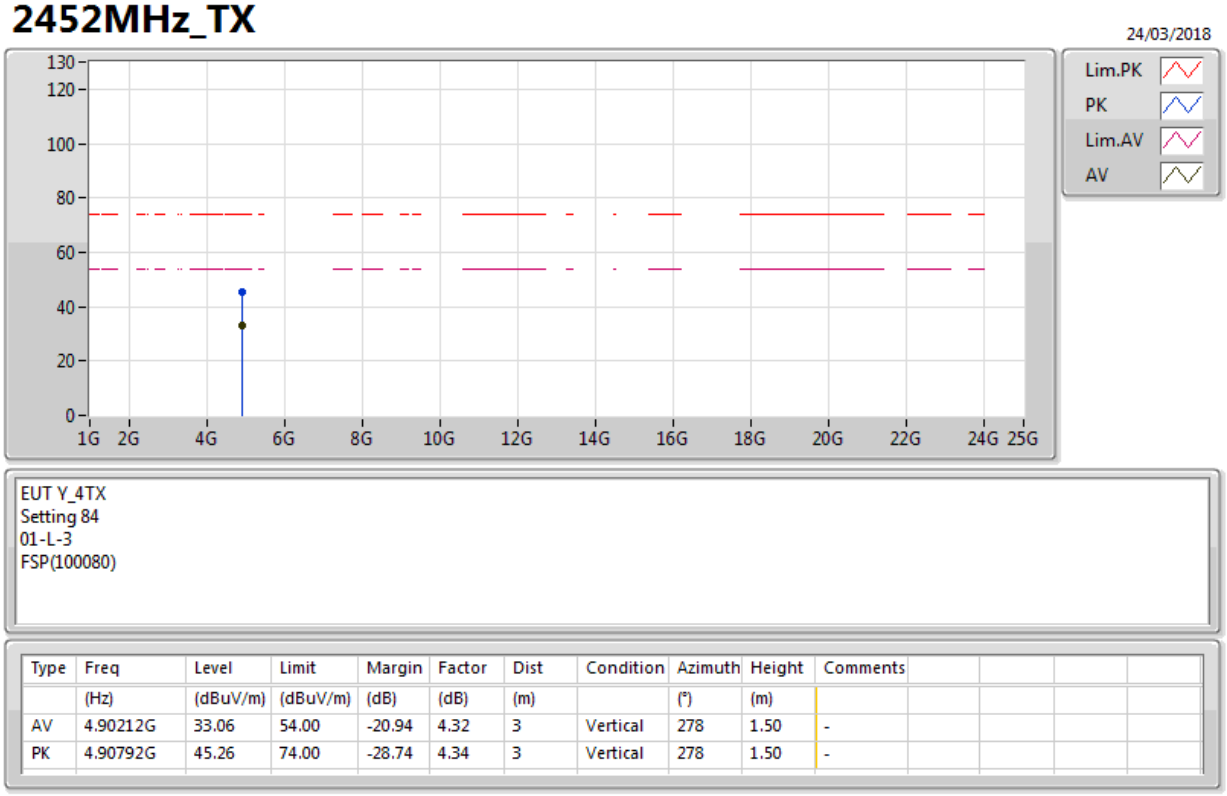


EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	49.10	54.00	-4.90	30.97	3	Horizontal	145	1.85	-
AV	2.4564G	102.48	Inf	-Inf	31.09	3	Horizontal	145	1.85	-
AV	2.486G	51.58	54.00	-2.42	31.18	3	Horizontal	145	1.85	-
PK	2.3876G	61.52	74.00	-12.48	30.97	3	Horizontal	145	1.85	-
PK	2.446G	111.71	Inf	-Inf	31.06	3	Horizontal	145	1.85	-
PK	2.486G	64.72	74.00	-9.28	31.18	3	Horizontal	145	1.85	-

802.11ac VHT40_Nss1,(MCS0)_4TX

2452MHz_TX

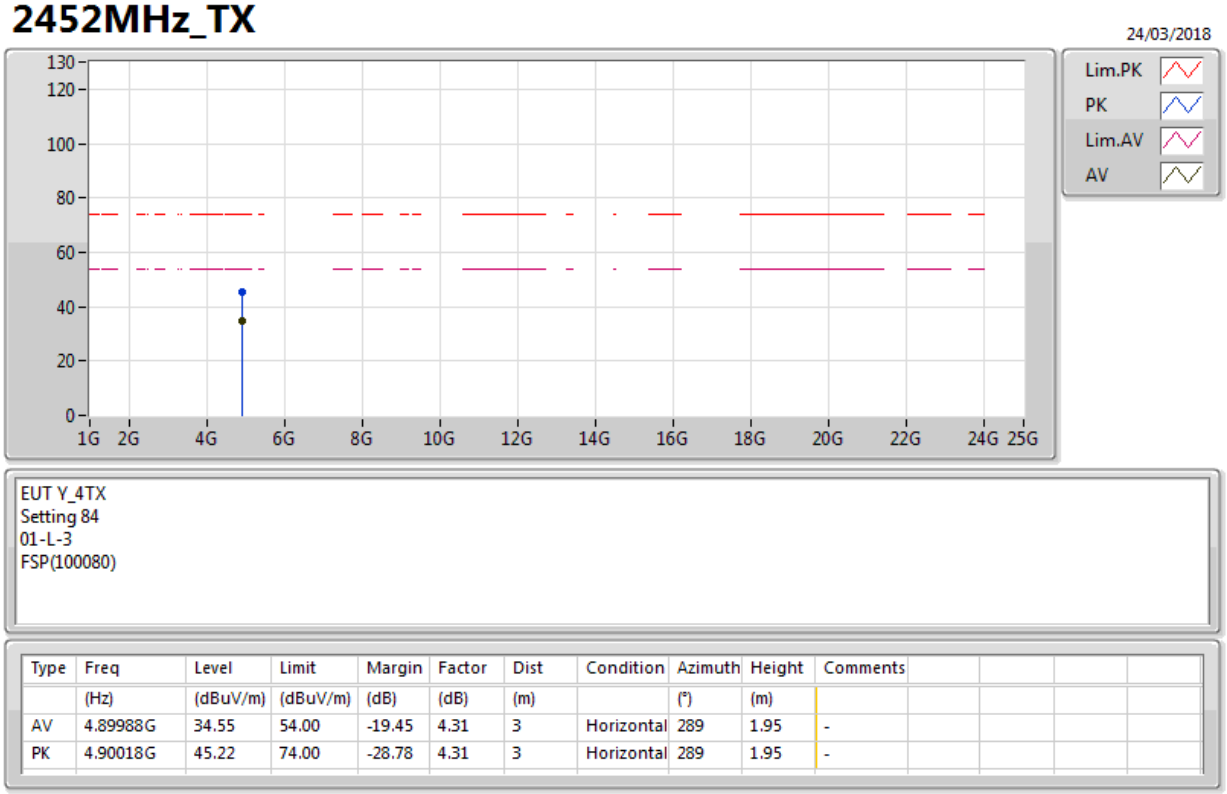


EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.90212G	33.06	54.00	-20.94	4.32	3	Vertical	278	1.50	-
PK	4.90792G	45.26	74.00	-28.74	4.34	3	Vertical	278	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

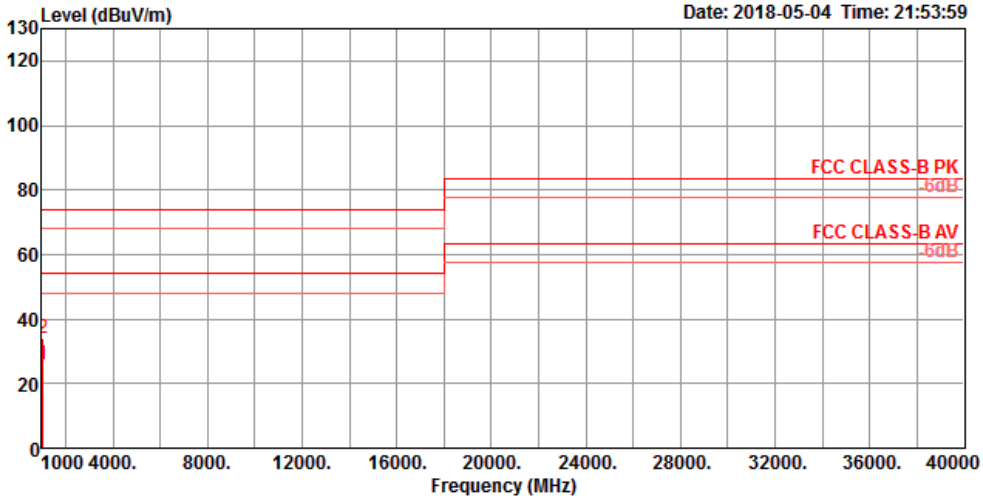
2452MHz_TX



EUT Y_4TX
Setting 84
01-L-3
FSP(100080)

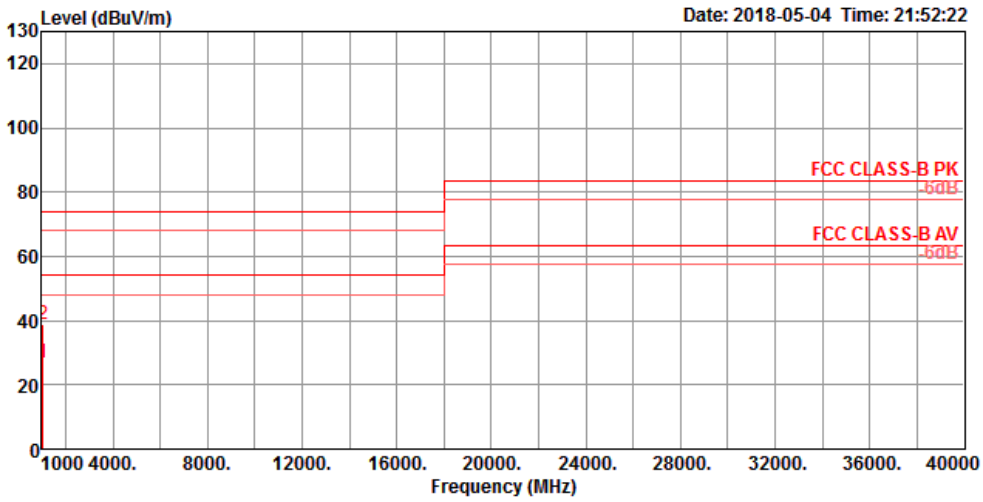
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.89988G	34.55	54.00	-19.45	4.31	3	Horizontal	289	1.95	-
PK	4.90018G	45.22	74.00	-28.78	4.31	3	Horizontal	289	1.95	-

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	CTX - Radio 1 (2.4GHz) + Radio 3 (WLAN 5GHz B1)		



	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	1056.62	25.81	54.00	-28.19	33.88	4.49	24.45	37.01	118	171	Average	HORIZONTAL
2	1056.93	34.08	74.00	-39.92	42.15	4.49	24.45	37.01	118	171	Peak	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	CTX - Radio 1 (2.4GHz) + Radio 3 (WLAN 5GHz B1)		



	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	1056.56	26.63	54.00	-27.37	34.70	4.49	24.45	37.01	140	329	Average	VERTICAL
2	1058.08	39.07	74.00	-34.93	47.10	4.50	24.46	36.99	140	329	Peak	VERTICAL