FCC RADIO TEST REPORT

FCC ID	:	TE7WPA7510V2
Equipment	:	AC750 Wi-Fi Range Extender, AV1000 Powerline Edition
Brand Name	:	tp-link
Model Name	:	TL-WPA7510
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Standard	:	47 CFR FCC Part 15.247

The product was received on Jul. 20, 2018, and testing was started from Sep. 08, 2018 and completed on Nov. 19, 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: Cliff Chang

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

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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR731330-01AA	01	Initial issue of report	Dec. 06, 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	-

Declaration of Conformity:
The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.
Comments and Explanations:
None

Reviewed by: Cliff Chang
Report Producer: Vicky Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4G	802.11b	20	2TX
2.4G	802.11g	20	2TX
2.4G	802.11n HT20	20	2TX
2.4G	802.11n HT40	40	2TX

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	tp-link	-	Printed Antenna	N/A	2	-
2	2	tp-link	-	Printed Antenna	N/A	2	-
3	1	tp-link	-	Printed Antenna	N/A	-	2.98

Note: The EUT has three Antennas.

For 2.4GHz function:

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

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

Ant. 1(Port 1) and Ant. 2(Port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac mode (1TX/1RX)

Only Ant. 3(Port 1) can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.992	0.035	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	0.994	0.026	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.4 EUT Operational Condition

EUT Power Type	Internal Power Supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	MT7620 QA Version 1.0.6.0			

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v05
- FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Serway Li	23°C / 60%	Sep. 13, 2018
Radiated	03CH01-CB	Mason Chen	20°C / 55%	Sep. 08, 2018~Sep. 18, 2018
AC Conduction	CO01-CB	GN Hou	24°C / 68%	Nov. 19, 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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	11/10
2437MHz	10/0E
2462MHz	0C/0C
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	0B/0A
2417MHz	15/12
2422MHz	1C/19
2427MHz	22/20
2432MHz	2F/2D
2437MHz	2F/2D
2442MHz	22/20
2447MHz	1D/1B
2452MHz	17/17
2457MHz	11/11
2462MHz	05/05
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	08/07
2417MHz	14/11
2422MHz	19/16
2427MHz	1D/1B
2432MHz	2F/2D
2437MHz	2F/2D
2442MHz	20/1E
2447MHz	19/17
2452MHz	14/14
2457MHz	10/10
2462MHz	04/04
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	05/02
2427MHz	0D/0B
2437MHz	0D/0B
2442MHz	08/06
2447MHz	05/03
2452MHz	01/01

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	CTX-2.4GHz
2	CTX-5GHz
For operating mode 1 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
For 2.4GHz: The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration. For 5GHz: The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis-2.4GHz
2	EUT in Z axis-5GHz
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis-WLAN 2.4GHz+WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA731330-01 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO01-CB

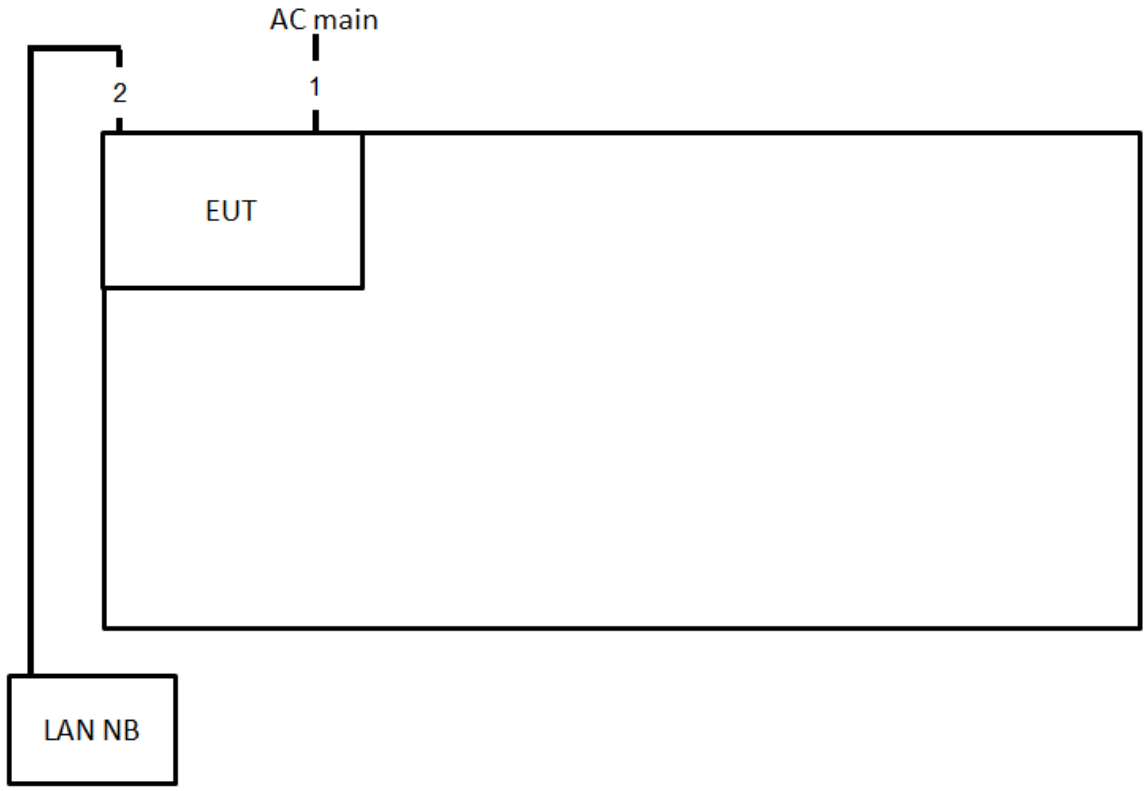
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E6430	N/A

For Test Site No: 03CH01-CB and TH01-CB

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

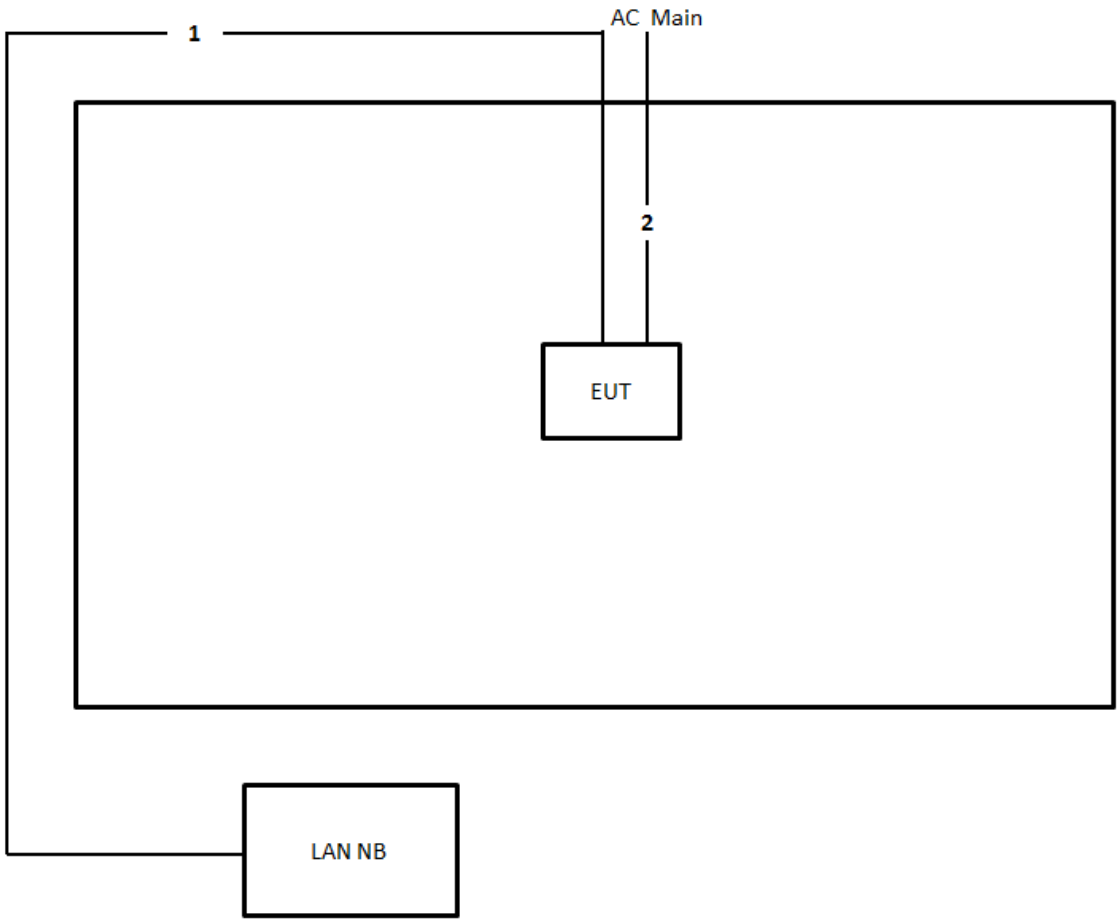
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

Test Setup Diagram - Radiated Test



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

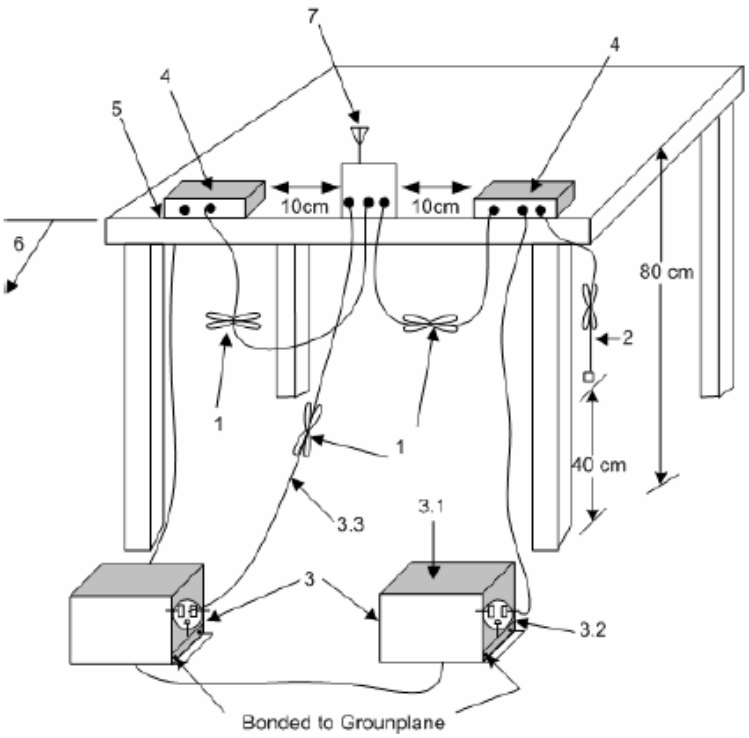
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

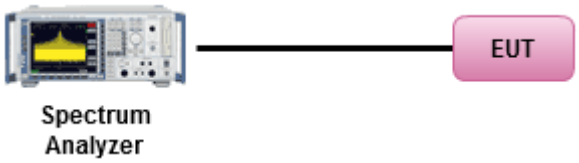
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

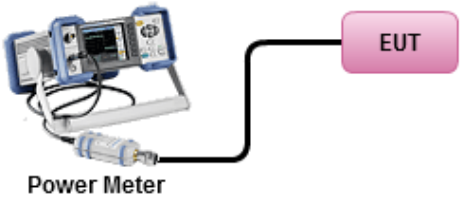
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

3.4.2 Measuring Instruments

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

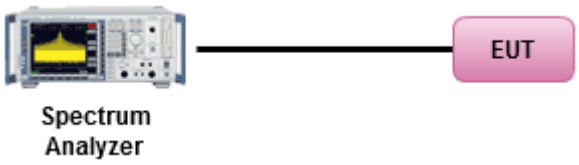
3.4.3 Test Procedures

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

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

3.4.4 Test Setup

Power Spectral Density



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

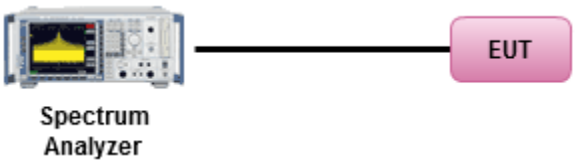
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

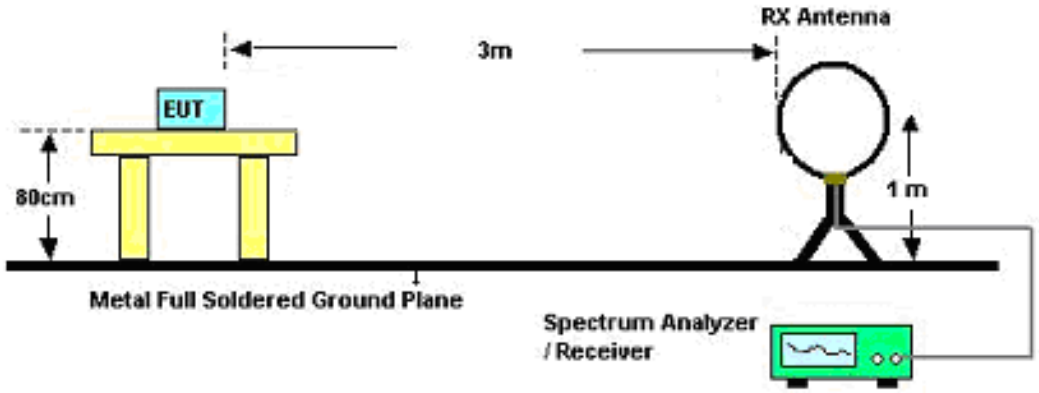
3.6.3 Test Procedures

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

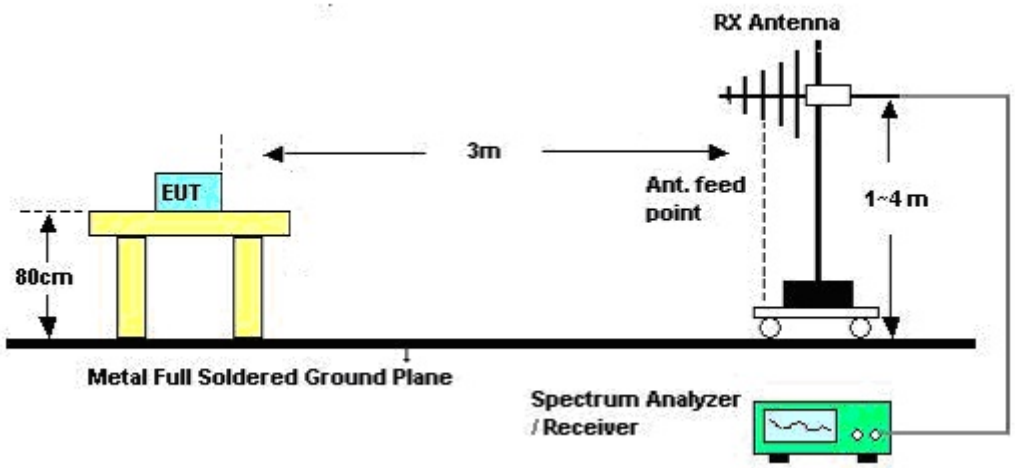
3.6.4 Test Setup

Transmitter Radiated Emissions

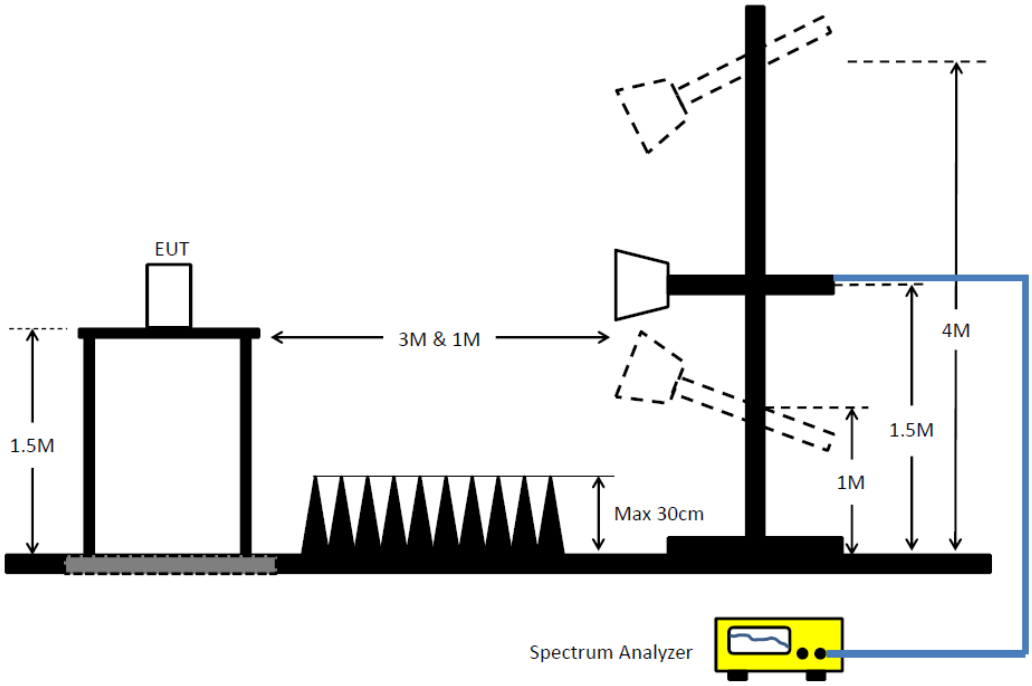
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

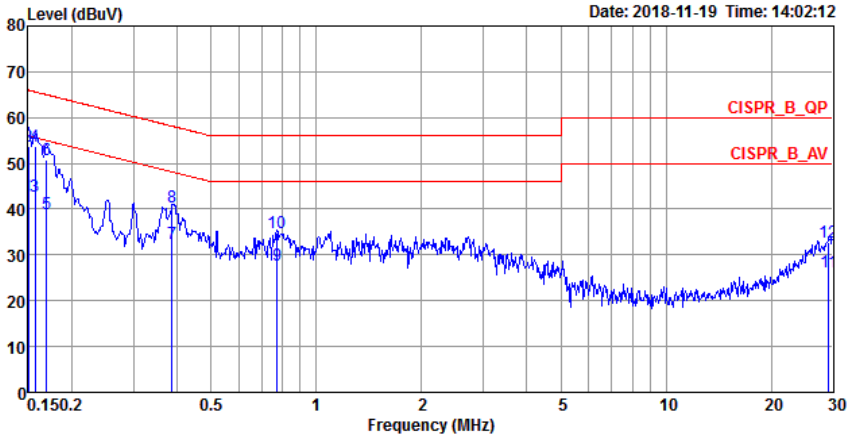
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
COND Cable	Woken	Cable	Low cable-CO01	150kHz ~ 30MHz	May 22, 2018	May 21, 2019	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. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100354	9kHz ~ 2.75GHz	Dec. 08, 2017	Dec. 07, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	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)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

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

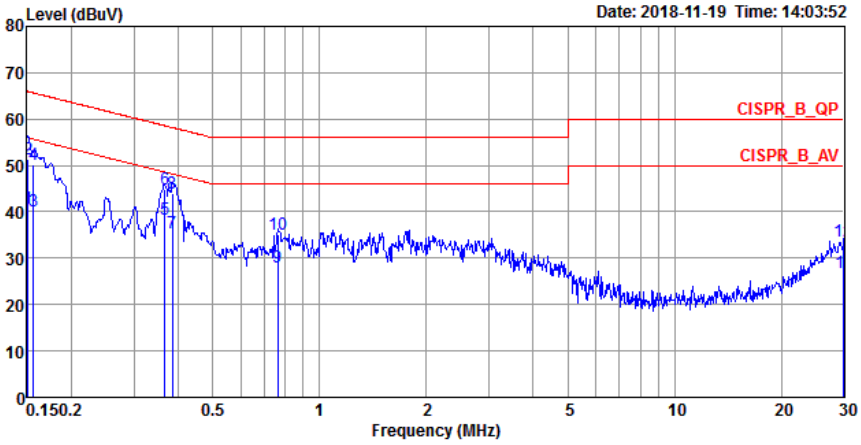
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	CTX		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	42.84	-13.16	56.00	32.77	9.91	0.16	Average	LINE
2	0.1500	53.84	-12.16	66.00	43.77	9.91	0.16	QP	LINE
3	0.1573	42.90	-12.70	55.60	32.83	9.91	0.16	Average	LINE
4	0.1573	53.79	-11.81	65.60	43.72	9.91	0.16	QP	LINE
5	0.1694	39.01	-15.98	54.99	28.95	9.91	0.15	Average	LINE
6	0.1694	50.66	-14.33	64.99	40.60	9.91	0.15	QP	LINE
7	0.3872	32.59	-15.53	48.12	22.56	9.91	0.12	Average	LINE
8	0.3872	40.52	-17.60	58.12	30.49	9.91	0.12	QP	LINE
9	0.7711	27.78	-18.22	46.00	17.68	9.92	0.18	Average	LINE
10	0.7711	34.89	-21.11	56.00	24.79	9.92	0.18	QP	LINE
11	29.2157	26.16	-23.84	50.00	15.23	10.64	0.29	Average	LINE
12	29.2157	32.79	-27.21	60.00	21.86	10.64	0.29	QP	LINE

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

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



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1508	40.74	-15.22	55.96	30.66	9.92	0.16	Average	NEUTRAL
2	0.1508	51.24	-14.72	65.96	41.16	9.92	0.16	QP	NEUTRAL
3	0.1565	40.00	-15.65	55.65	29.92	9.92	0.16	Average	NEUTRAL
4	0.1565	50.09	-15.56	65.65	40.01	9.92	0.16	QP	NEUTRAL
5	0.3673	38.37	-10.19	48.56	28.33	9.92	0.12	Average	NEUTRAL
6	0.3673	44.79	-13.77	58.56	34.75	9.92	0.12	QP	NEUTRAL
7	0.3852	35.31	-12.86	48.17	25.27	9.92	0.12	Average	NEUTRAL
8	0.3852	43.98	-14.19	58.17	33.94	9.92	0.12	QP	NEUTRAL
9	0.7630	28.06	-17.94	46.00	17.95	9.93	0.18	Average	NEUTRAL
10	0.7630	35.03	-20.97	56.00	24.92	9.93	0.18	QP	NEUTRAL
11	30.0000	26.93	-23.07	50.00	16.18	10.46	0.29	Average	NEUTRAL
12	30.0000	33.60	-26.40	60.00	22.85	10.46	0.29	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.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	10.05M	12.919M	12M9G1D	10M	12.294M
802.11g_Nss1,(6Mbps)_2TX	16.325M	24.488M	24M5D1D	16.325M	16.542M
802.11n HT20_Nss1,(MCS0)_2TX	17.525M	26.237M	26M2D1D	17.05M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.382M	36M4D1D	36.05M	36.332M

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

Result

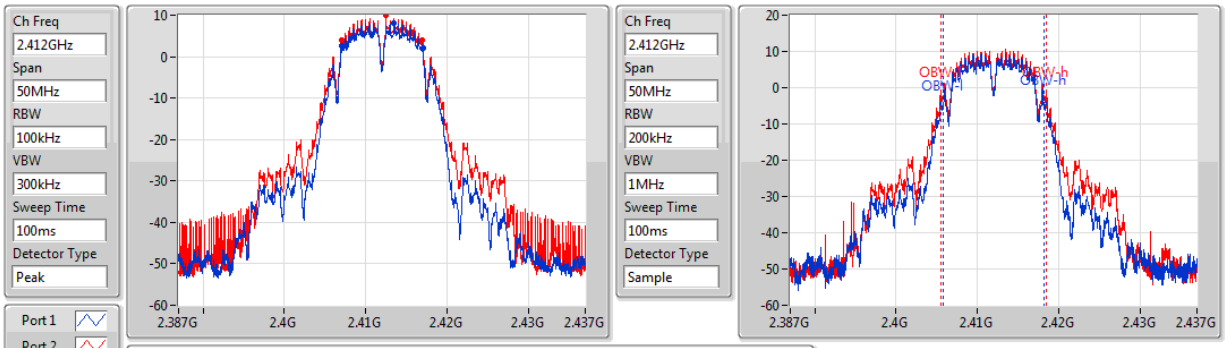
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.05M	12.469M	10M	12.919M
2437MHz	Pass	500k	10.05M	12.444M	10.05M	12.644M
2462MHz	Pass	500k	10.025M	12.294M	10.05M	12.444M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M	16.325M	16.617M
2437MHz	Pass	500k	16.325M	20.965M	16.325M	24.488M
2462MHz	Pass	500k	16.325M	16.542M	16.325M	16.567M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.1M	17.641M	17.1M	17.641M
2437MHz	Pass	500k	17.25M	22.639M	17.525M	26.237M
2462MHz	Pass	500k	17.075M	17.641M	17.05M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.05M	36.332M	36.3M	36.382M
2437MHz	Pass	500k	36.05M	36.382M	36.05M	36.382M
2452MHz	Pass	500k	36.05M	36.332M	36.3M	36.382M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

13/09/2018

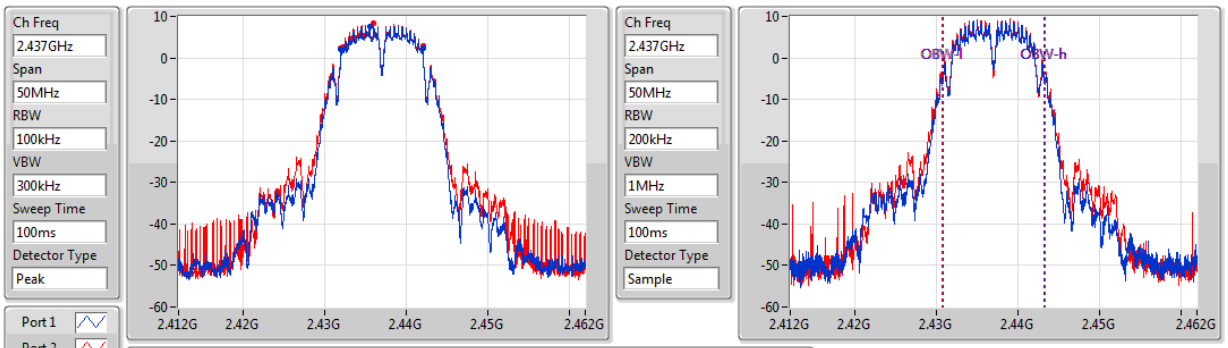


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.407G	2.41705G	12.469M	2.405753G	2.418222G	500k	1
10M	2.407G	2.417G	12.919M	2.405528G	2.418447G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

13/09/2018

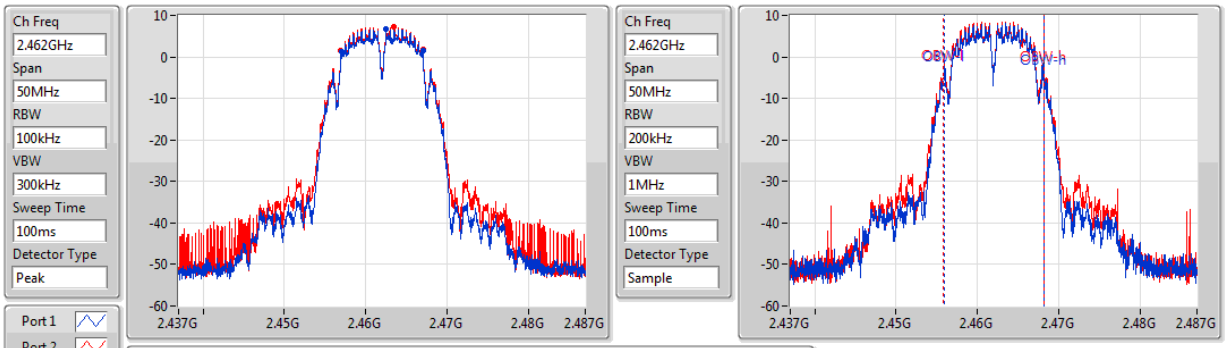


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.431975G	2.442025G	12.444M	2.430778G	2.443222G	500k	1
10.05M	2.431975G	2.442025G	12.644M	2.430653G	2.443297G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

13/09/2018

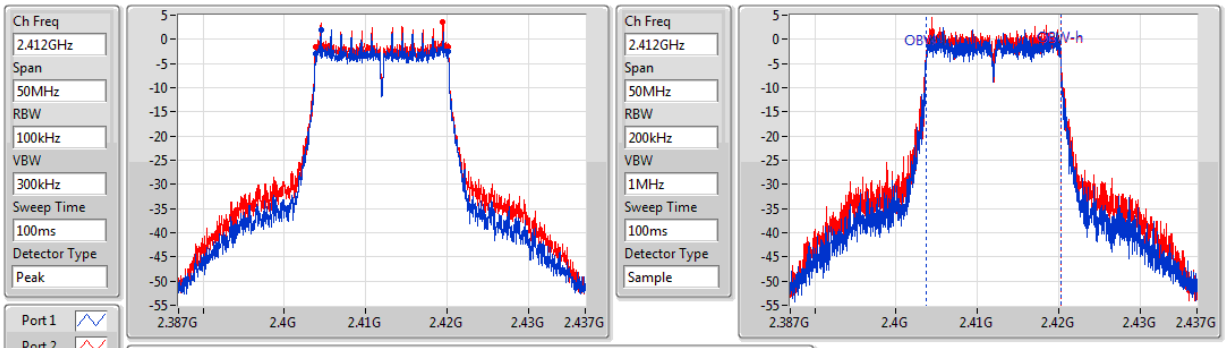


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.457G	2.467025G	12.294M	2.455878G	2.468172G	500k	1
10.05M	2.456975G	2.467025G	12.444M	2.455778G	2.468222G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

13/09/2018

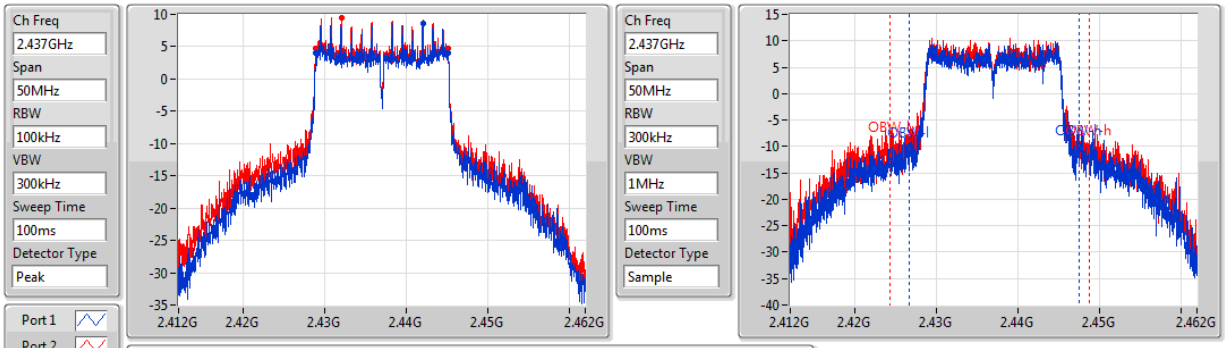


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.40385G	2.420175G	16.592M	2.403679G	2.420271G	500k	1
16.325M	2.40385G	2.420175G	16.617M	2.403679G	2.420296G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

13/09/2018

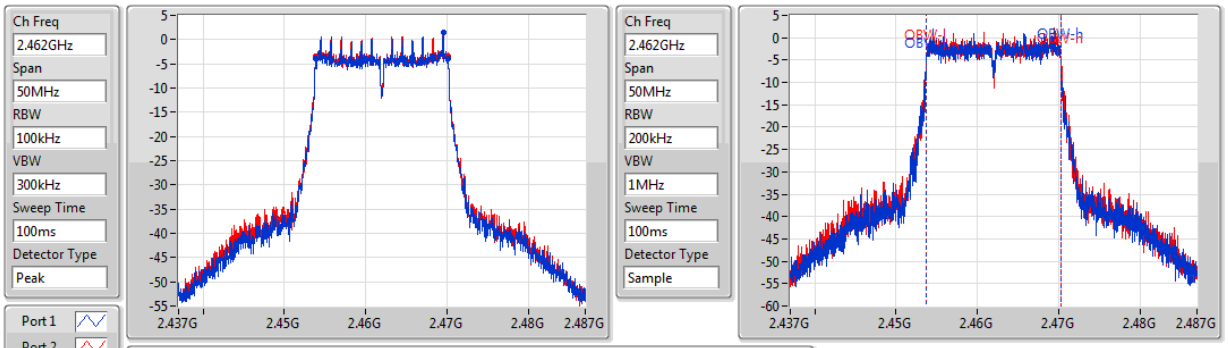


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	20.965M	2.426605G	2.44757G	500k	1
16.325M	2.42885G	2.445175G	24.488M	2.424306G	2.448794G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

13/09/2018

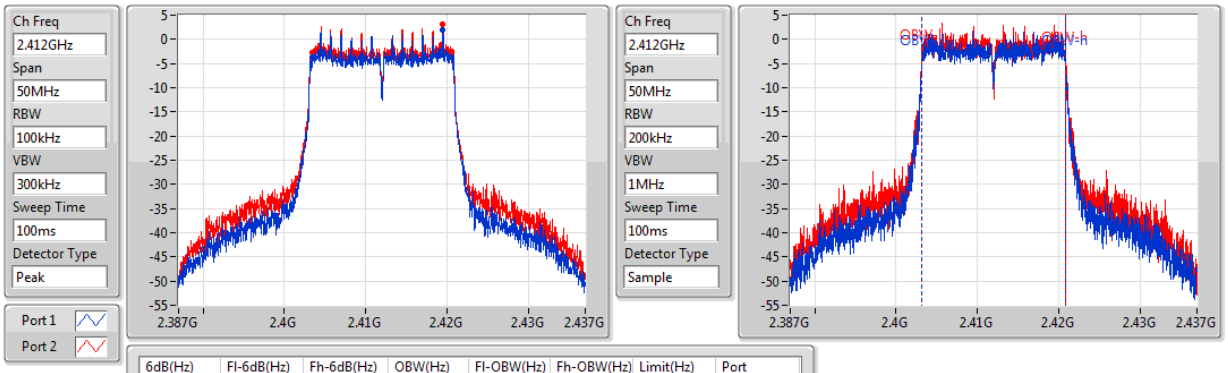


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.542M	2.453729G	2.470271G	500k	1
16.325M	2.45385G	2.470175G	16.567M	2.453704G	2.470271G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

13/09/2018

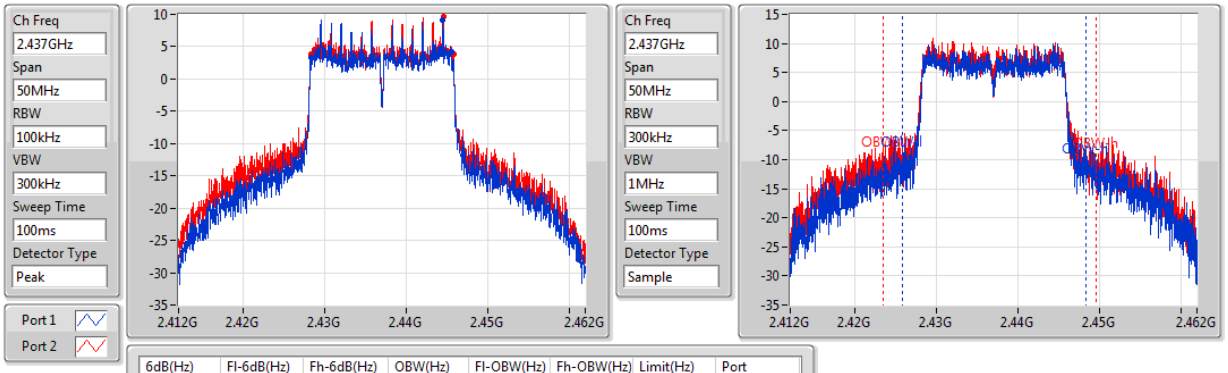


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.1M	2.40345G	2.42055G	17.641M	2.403179G	2.420821G	500k	1
17.1M	2.40345G	2.42055G	17.641M	2.403179G	2.420821G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

13/09/2018

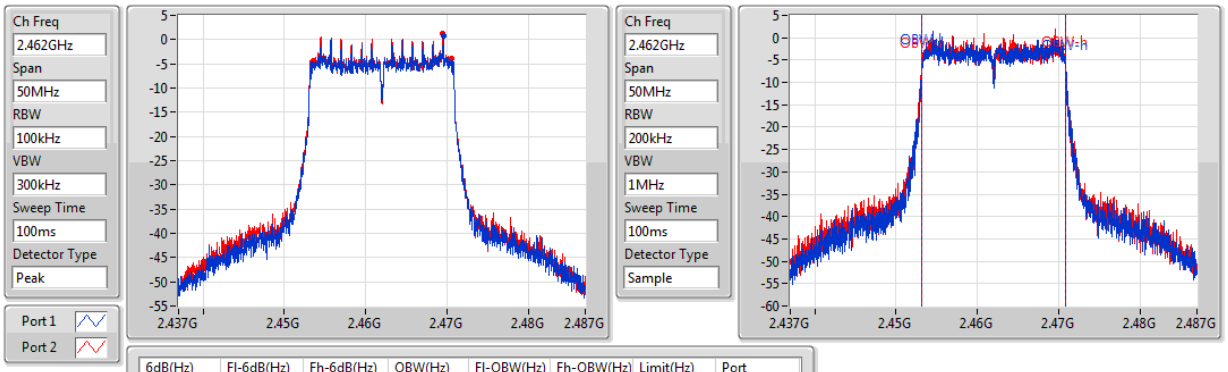


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	2.428275G	2.445525G	22.639M	2.425731G	2.448369G	500k	1
17.525M	2.42825G	2.445775G	26.237M	2.423382G	2.449619G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

13/09/2018

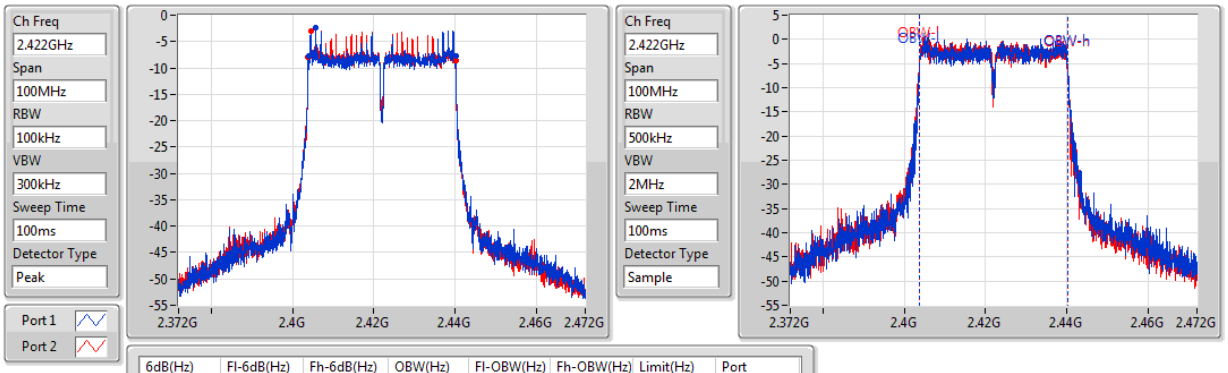


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.075M	2.453475G	2.47055G	17.641M	2.453204G	2.470846G	500k	1
17.05M	2.453475G	2.470525G	17.641M	2.453179G	2.470821G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2422MHz

13/09/2018

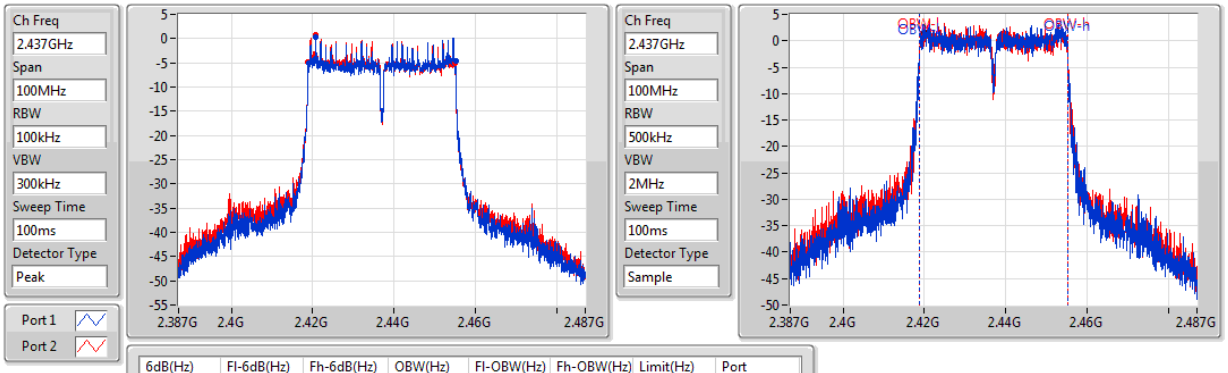


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4041G	2.44015G	36.332M	2.403809G	2.440141G	500k	1
36.3M	2.40385G	2.44015G	36.382M	2.403759G	2.440141G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2437MHz

13/09/2018

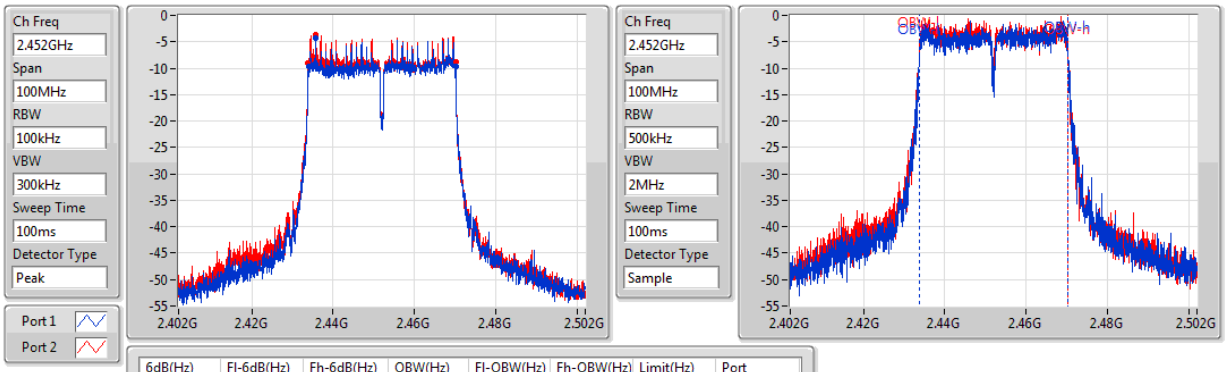


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4191G	2.45515G	36.382M	2.418759G	2.455141G	500k	1
36.05M	2.41885G	2.4549G	36.382M	2.418809G	2.455191G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz

13/09/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4341G	2.47015G	36.332M	2.433859G	2.470191G	500k	1
36.3M	2.43385G	2.47015G	36.382M	2.433809G	2.470191G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	22.99	0.19907
802.11g_Nss1,(6Mbps)_2TX	23.85	0.24266
802.11n HT20_Nss1,(MCS0)_2TX	23.55	0.22646
802.11n HT40_Nss1,(MCS0)_2TX	17.81	0.06039

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	19.48	20.43	22.99	30.00
2437MHz	Pass	2.00	19.25	19.49	22.38	30.00
2462MHz	Pass	2.00	17.52	18.47	21.03	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	14.35	15.27	17.84	30.00
2417MHz	Pass	2.00	18.41	18.46	21.45	30.00
2422MHz	Pass	2.00	19.82	20.32	23.09	30.00
2427MHz	Pass	2.00	20.39	21.07	23.75	30.00
2432MHz	Pass	2.00	20.36	21.14	23.78	30.00
2437MHz	Pass	2.00	20.57	21.09	23.85	30.00
2442MHz	Pass	2.00	20.13	20.84	23.51	30.00
2447MHz	Pass	2.00	19.51	19.63	22.58	30.00
2452MHz	Pass	2.00	18.74	19.18	21.98	30.00
2457MHz	Pass	2.00	16.76	17.27	20.03	30.00
2462MHz	Pass	2.00	12.64	13.34	16.01	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	13.61	14.55	17.12	30.00
2417MHz	Pass	2.00	17.89	18.05	20.98	30.00
2422MHz	Pass	2.00	19.33	19.38	22.37	30.00
2427MHz	Pass	2.00	19.75	20.06	22.92	30.00
2432MHz	Pass	2.00	20.18	20.79	23.51	30.00
2437MHz	Pass	2.00	20.22	20.84	23.55	30.00
2442MHz	Pass	2.00	20.35	20.63	23.50	30.00
2447MHz	Pass	2.00	19.17	19.29	22.24	30.00
2452MHz	Pass	2.00	18.13	18.62	21.39	30.00
2457MHz	Pass	2.00	16.58	17.16	19.89	30.00
2462MHz	Pass	2.00	12.13	12.82	15.50	30.00

802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.00	12.01	12.05	15.04	30.00
2427MHz	Pass	2.00	14.59	14.95	17.78	30.00
2437MHz	Pass	2.00	14.63	14.97	17.81	30.00
2442MHz	Pass	2.00	13.41	13.45	16.44	30.00
2447MHz	Pass	2.00	12.08	12.11	15.11	30.00
2452MHz	Pass	2.00	10.36	11.18	13.80	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-4.58
802.11g_Nss1,(6Mbps)_2TX	-4.09
802.11n HT20_Nss1,(MCS0)_2TX	-3.73
802.11n HT40_Nss1,(MCS0)_2TX	-11.28

RBW=3kHz.

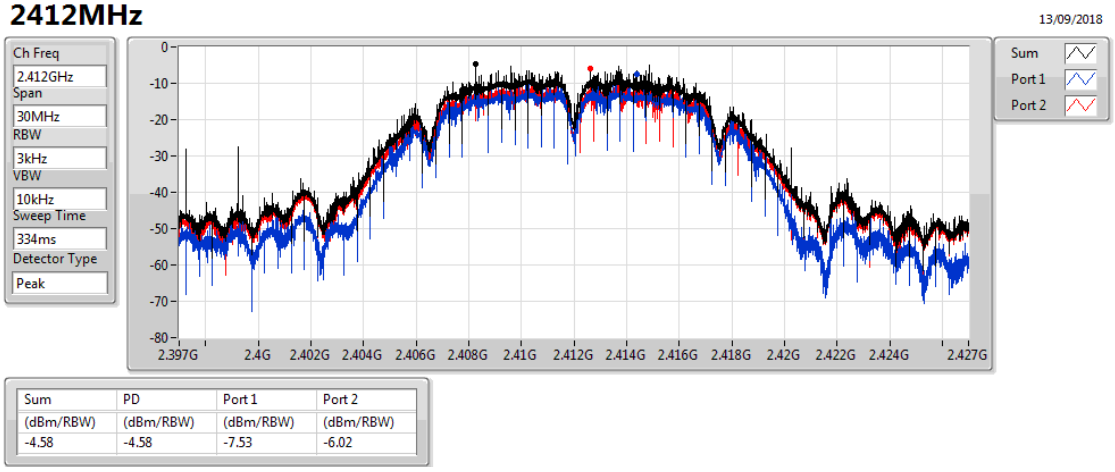
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-7.53	-6.02	-4.58	8.00
2437MHz	Pass	5.01	-6.68	-7.56	-5.44	8.00
2462MHz	Pass	5.01	-9.13	-7.77	-7.00	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-13.25	-11.56	-10.56	8.00
2437MHz	Pass	5.01	-6.40	-5.93	-4.09	8.00
2462MHz	Pass	5.01	-14.26	-13.89	-11.81	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-12.80	-11.83	-9.73	8.00
2437MHz	Pass	5.01	-6.19	-5.26	-3.73	8.00
2462MHz	Pass	5.01	-14.62	-14.16	-12.62	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.01	-17.95	-18.01	-15.60	8.00
2437MHz	Pass	5.01	-14.01	-13.63	-11.28	8.00
2452MHz	Pass	5.01	-19.61	-18.68	-16.36	8.00

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

802.11b_Nss1,(1Mbps)_2TX PSD

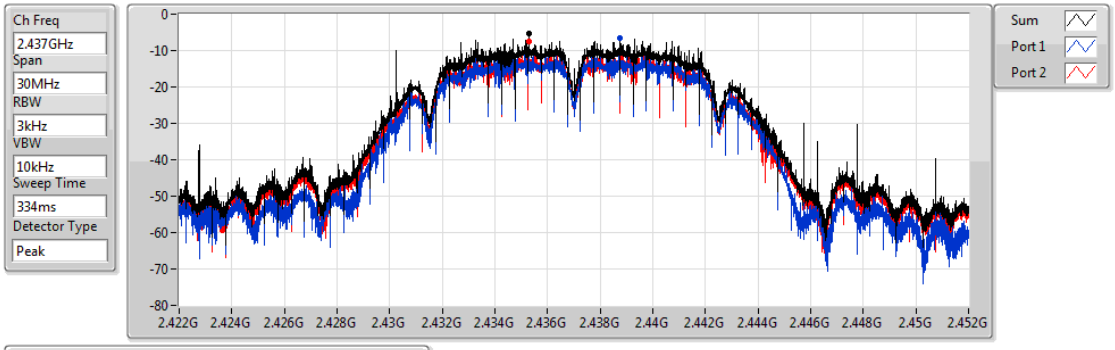
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.58	-4.58	-7.53	-6.02

802.11b_Nss1,(1Mbps)_2TX PSD

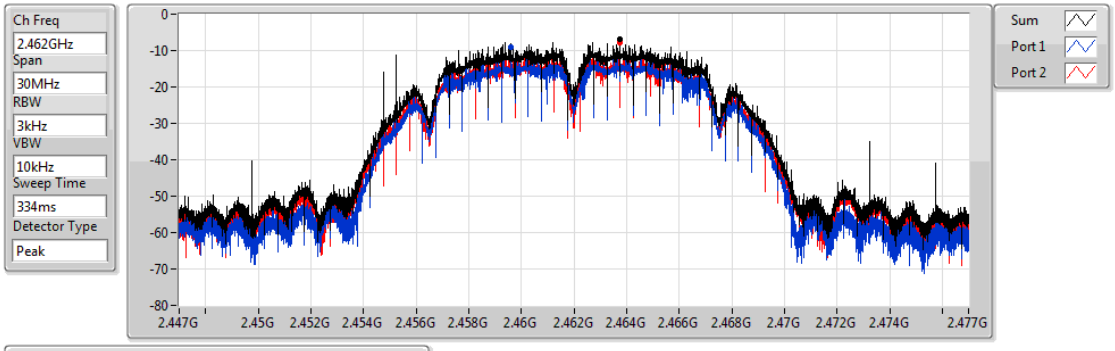
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.44	-5.44	-6.68	-7.56

802.11b_Nss1,(1Mbps)_2TX PSD

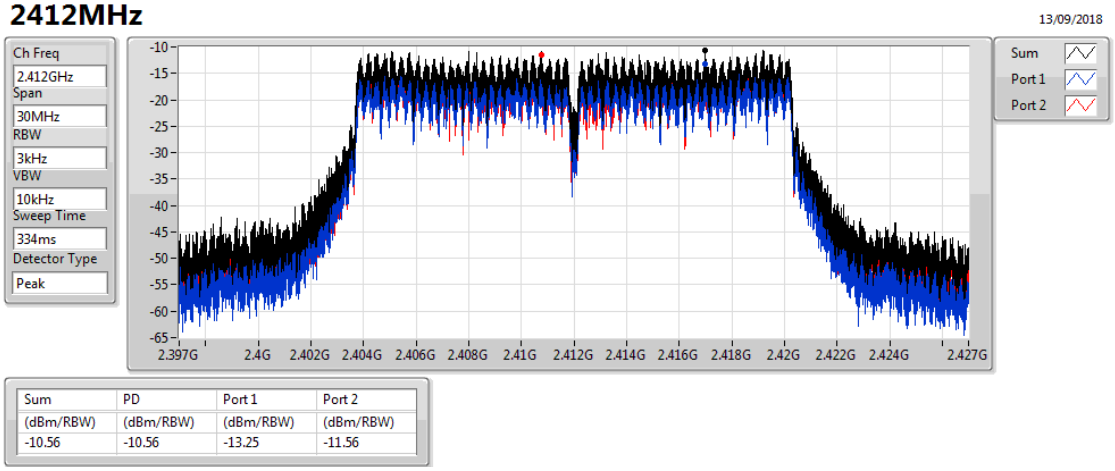
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.00	-7.00	-9.13	-7.77

802.11g_Nss1,(6Mbps)_2TX PSD

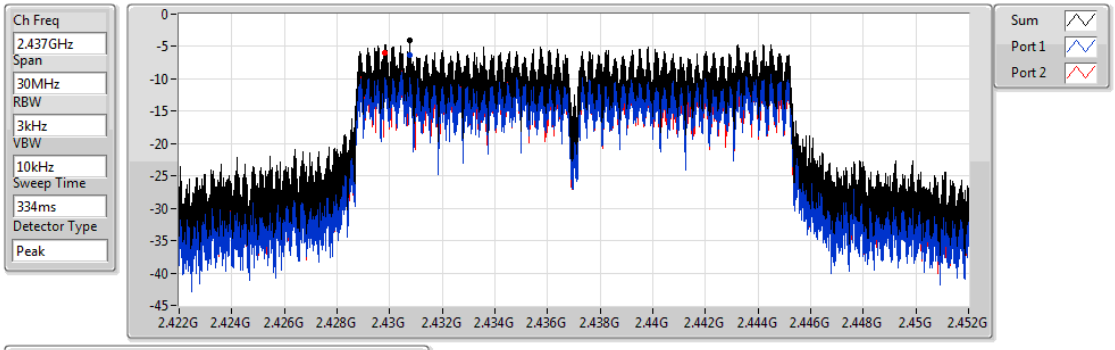
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.56	-10.56	-13.25	-11.56

802.11g_Nss1,(6Mbps)_2TX PSD

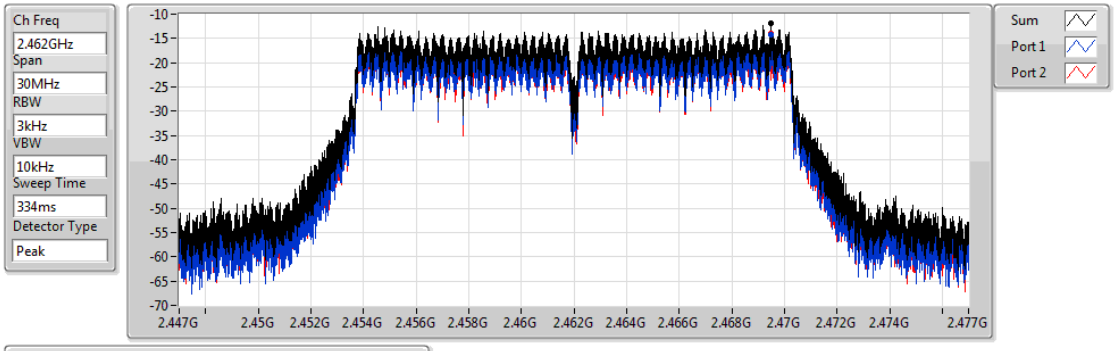
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.09	-4.09	-6.40	-5.93

802.11g_Nss1,(6Mbps)_2TX PSD

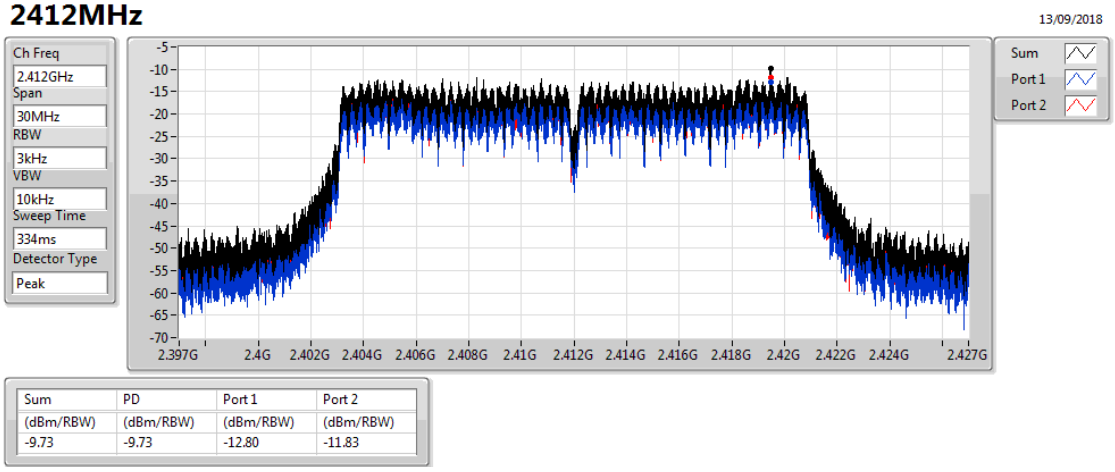
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.81	-11.81	-14.26	-13.89

802.11n HT20_Nss1,(MCS0)_2TX PSD

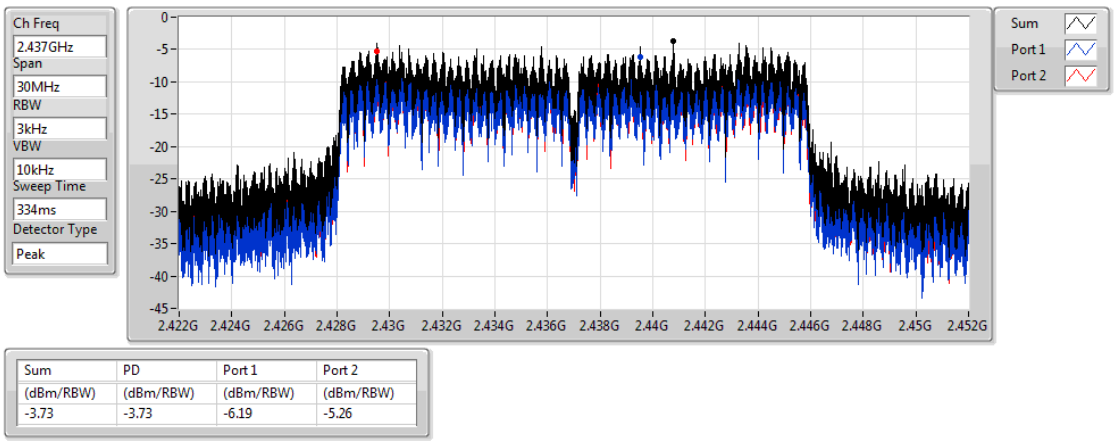
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.73	-9.73	-12.80	-11.83

802.11n HT20_Nss1,(MCS0)_2TX PSD

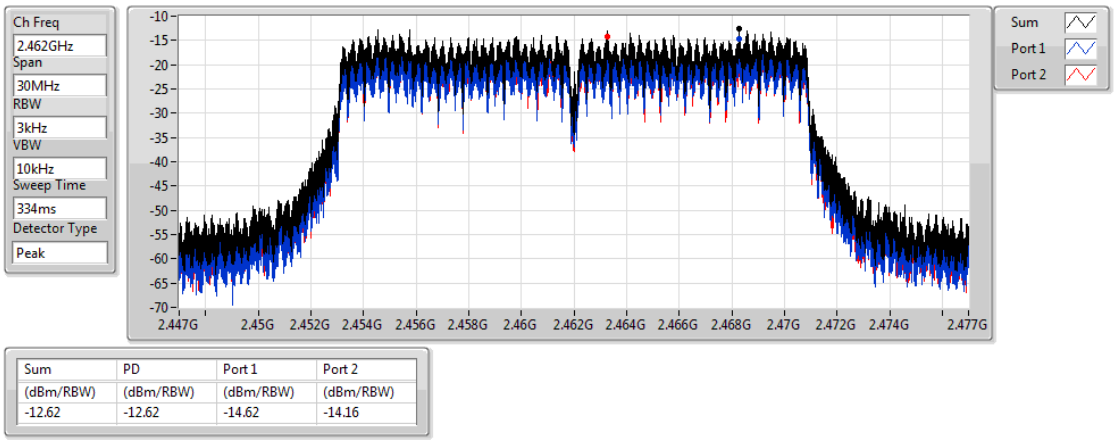
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.73	-3.73	-6.19	-5.26

802.11n HT20_Nss1,(MCS0)_2TX PSD

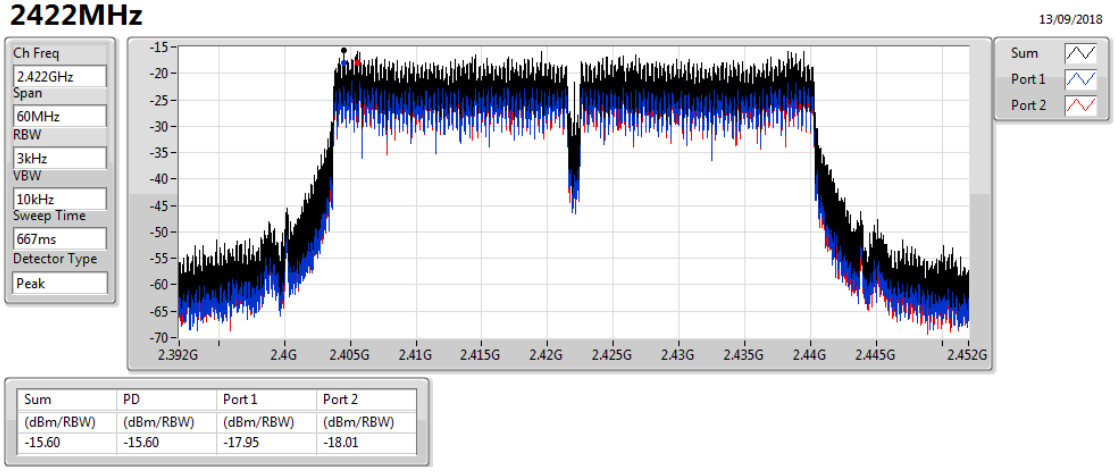
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.62	-12.62	-14.62	-14.16

802.11n HT40_Nss1,(MCS0)_2TX PSD

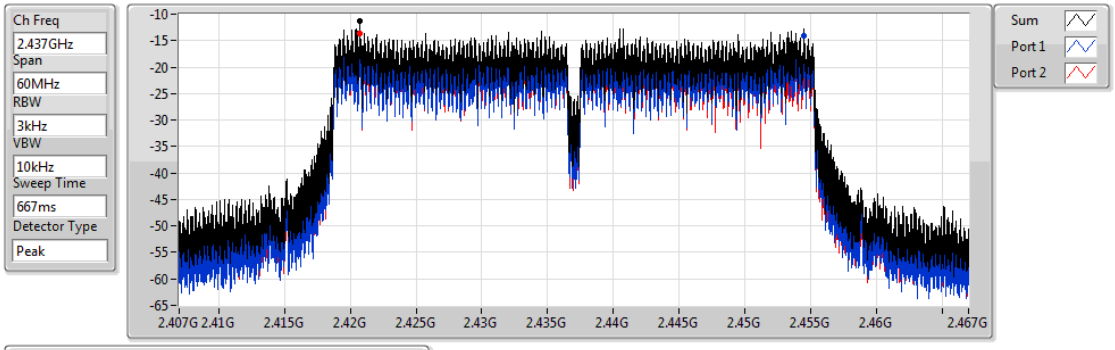
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.60	-15.60	-17.95	-18.01

802.11n HT40_Nss1,(MCS0)_2TX PSD

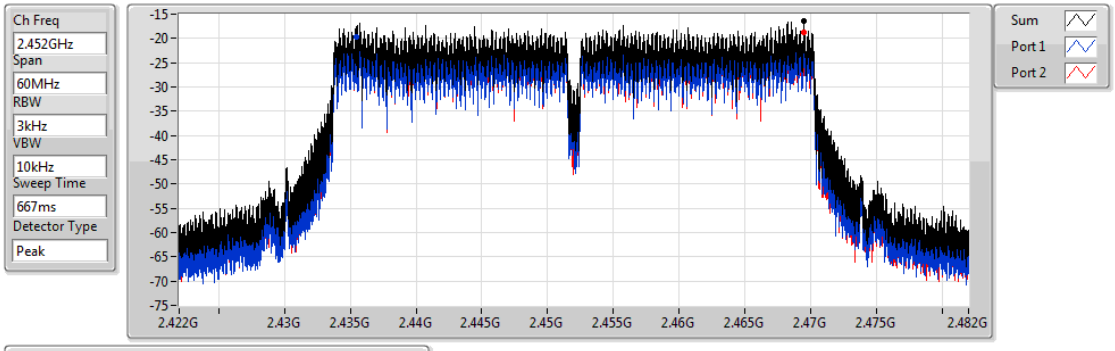
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.28	-11.28	-14.01	-13.63

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.36	-16.36	-19.61	-18.68

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43507G	7.98	-22.02	173.295M	-51.26	2.398G	-26.74	2.48902G	-49.88	3.214652G	-48.61	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.430728G	9.04	-20.96	2.309905G	-52.64	2.39768G	-29.55	2.4899G	-53.89	3.214652G	-48.76	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.430728G	9.69	-20.31	173.295M	-53.44	2.39736G	-31.24	2.5223G	-57.09	3.214652G	-49.78	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.422044G	0.18	-29.82	2.30168G	-53.21	2.39952G	-32.73	2.48478G	-44.93	3.247813G	-49.59	2

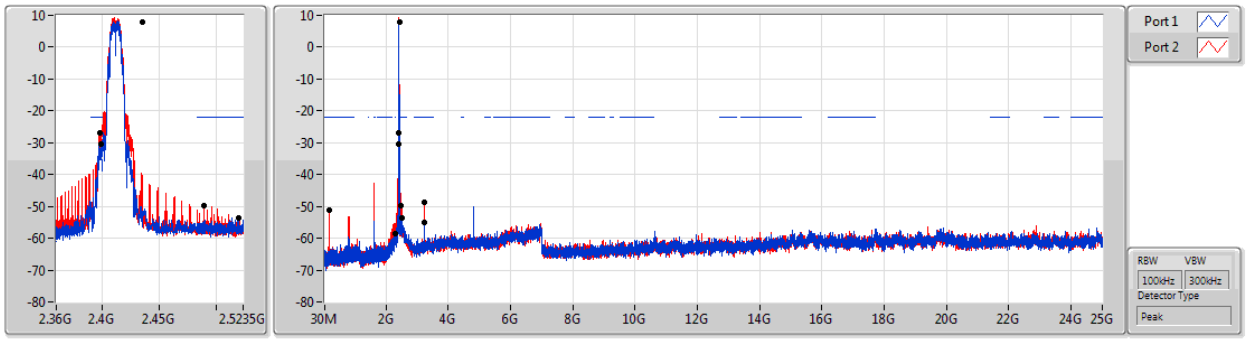
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43507G	7.98	-22.02	2.30874G	-58.46	2.39904G	-30.59	2.51974G	-53.50	3.214652G	-55.21	1
2412MHz	Pass	2.43507G	7.98	-22.02	173.295M	-51.26	2.398G	-26.74	2.48902G	-49.88	3.214652G	-48.61	2
2437MHz	Pass	2.43507G	7.98	-22.02	1.624885G	-50.81	2.3948G	-54.85	2.51486G	-53.16	3.248367G	-54.05	1
2437MHz	Pass	2.43507G	7.98	-22.02	1.624885G	-46.71	2.3984G	-45.40	2.48614G	-46.89	3.248367G	-49.73	2
2462MHz	Pass	2.43507G	7.98	-22.02	1.641195G	-50.25	2.39664G	-55.44	2.4843G	-52.07	3.282082G	-54.10	1
2462MHz	Pass	2.43507G	7.98	-22.02	1.641195G	-47.03	2.39656G	-50.01	2.48438G	-42.06	3.282082G	-50.68	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.430728G	9.04	-20.96	2.302915G	-56.01	2.39992G	-32.07	2.51462G	-53.30	3.214652G	-52.75	1
2412MHz	Pass	2.430728G	9.04	-20.96	2.309905G	-52.64	2.39768G	-29.55	2.4899G	-53.89	3.214652G	-48.76	2
2437MHz	Pass	2.430728G	9.04	-20.96	2.302915G	-53.80	2.39984G	-44.95	2.4895G	-47.21	2.574072G	-53.39	1
2437MHz	Pass	2.430728G	9.04	-20.96	2.30175G	-51.69	2.39952G	-39.26	2.48478G	-47.09	3.248367G	-53.11	2
2462MHz	Pass	2.430728G	9.04	-20.96	1.641195G	-58.47	2.39408G	-57.87	2.48366G	-48.62	3.282082G	-53.20	1
2462MHz	Pass	2.430728G	9.04	-20.96	1.641195G	-53.53	2.39888G	-57.05	2.48422G	-46.30	3.282082G	-53.17	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.430728G	9.69	-20.31	179.12M	-58.18	2.39992G	-34.03	2.52342G	-56.77	6.765939G	-55.51	1
2412MHz	Pass	2.430728G	9.69	-20.31	173.295M	-53.44	2.39736G	-31.24	2.5223G	-57.09	3.214652G	-49.78	2
2437MHz	Pass	2.430728G	9.69	-20.31	2.165445G	-54.08	2.39824G	-40.76	2.48638G	-45.15	2.568453G	-53.44	1
2437MHz	Pass	2.430728G	9.69	-20.31	2.307575G	-51.43	2.39984G	-36.04	2.48438G	-45.92	3.248367G	-52.08	2
2462MHz	Pass	2.430728G	9.69	-20.31	175.625M	-57.60	2.39752G	-58.55	2.48366G	-48.60	3.282082G	-54.12	1
2462MHz	Pass	2.430728G	9.69	-20.31	1.641195G	-52.75	2.39536G	-56.54	2.48446G	-45.74	3.282082G	-53.50	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.422044G	0.18	-29.82	176.56M	-60.35	2.39904G	-37.66	2.54878G	-57.33	6.997513G	-54.86	1
2422MHz	Pass	2.422044G	0.18	-29.82	170.835M	-54.73	2.39888G	-37.84	2.51326G	-56.58	3.228181G	-50.02	2
2437MHz	Pass	2.422044G	0.18	-29.82	2.30397G	-56.58	2.3992G	-37.00	2.48382G	-47.19	3.247813G	-53.64	1
2437MHz	Pass	2.422044G	0.18	-29.82	2.30168G	-53.21	2.39952G	-32.73	2.48478G	-44.93	3.247813G	-49.59	2
2452MHz	Pass	2.422044G	0.18	-29.82	1.63529G	-56.69	2.39072G	-57.69	2.48446G	-45.61	3.267445G	-54.87	1
2452MHz	Pass	2.422044G	0.18	-29.82	171.98M	-53.16	2.39856G	-56.75	2.48878G	-46.65	3.267445G	-52.49	2

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

2412MHz

13/09/2018

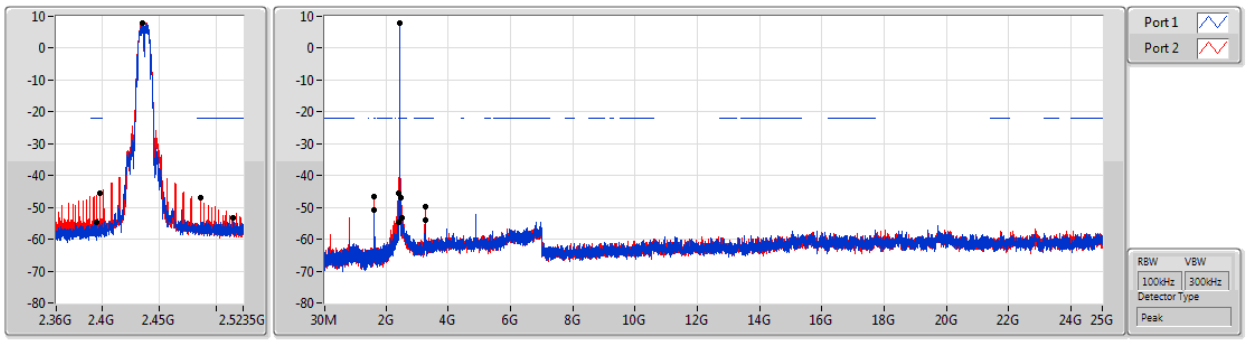


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	7.98	-22.02	2.30874G	-58.46	2.39904G	-30.59	2.51974G	-53.50	3.214652G	-55.21	1
2.43507G	7.98	-22.02	173.295M	-51.26	2.398G	-26.74	2.48902G	-49.88	3.214652G	-48.61	2

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

2437MHz

13/09/2018

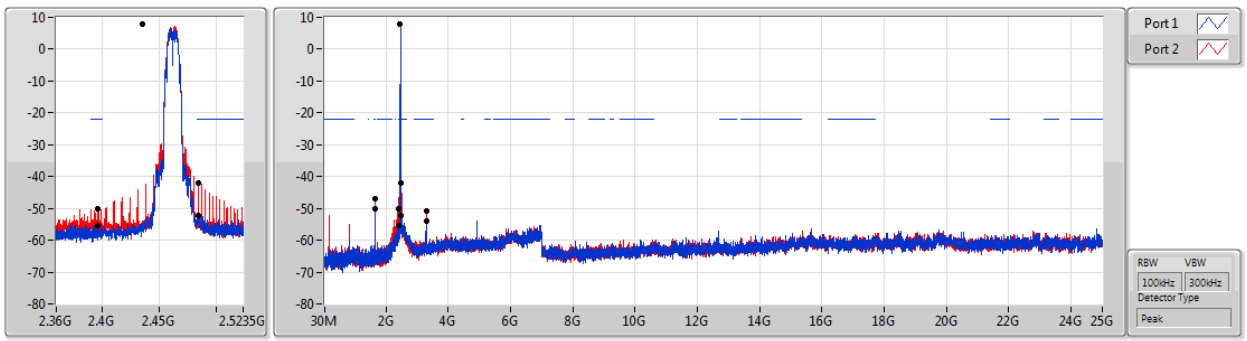


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	7.98	-22.02	1.624885G	-50.81	2.3948G	-54.85	2.51486G	-53.16	3.248367G	-54.05	1
2.43507G	7.98	-22.02	1.624885G	-46.71	2.3984G	-45.40	2.48614G	-46.89	3.248367G	-49.73	2

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

2462MHz

13/09/2018

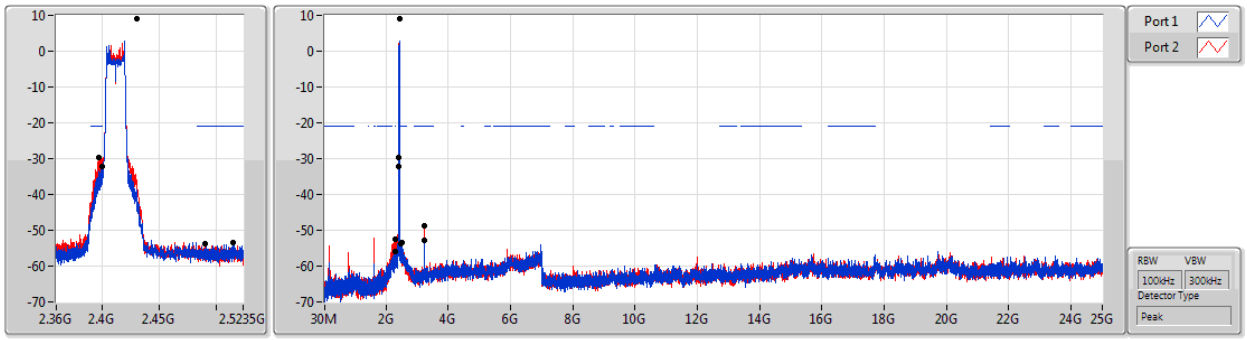


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	7.98	-22.02	1.641195G	-50.25	2.39664G	-55.44	2.4843G	-52.07	3.282082G	-54.10	1
2.43507G	7.98	-22.02	1.641195G	-47.03	2.39656G	-50.01	2.48438G	-42.06	3.282082G	-50.68	2

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

2412MHz

13/09/2018

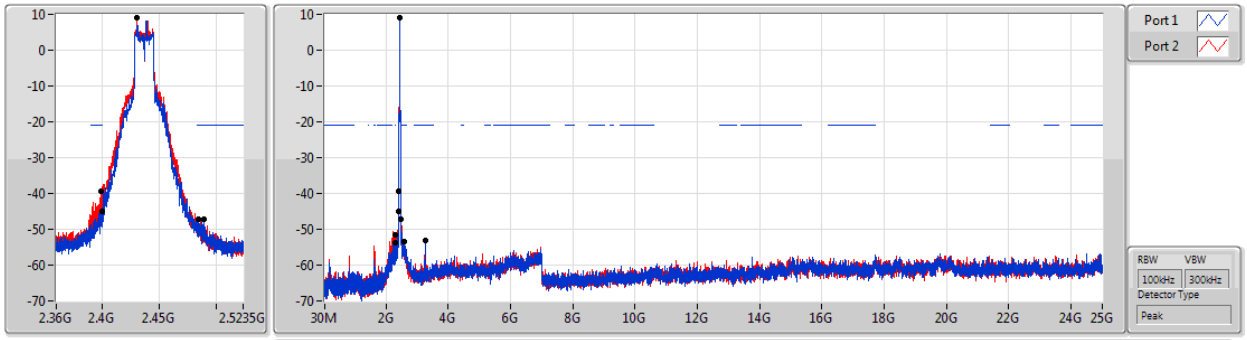


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	9.04	-20.96	2.302915G	-56.01	2.39992G	-32.07	2.51462G	-53.30	3.214652G	-52.75	1
2.430728G	9.04	-20.96	2.309905G	-52.64	2.39768G	-29.55	2.4899G	-53.89	3.214652G	-48.76	2

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

2437MHz

13/09/2018

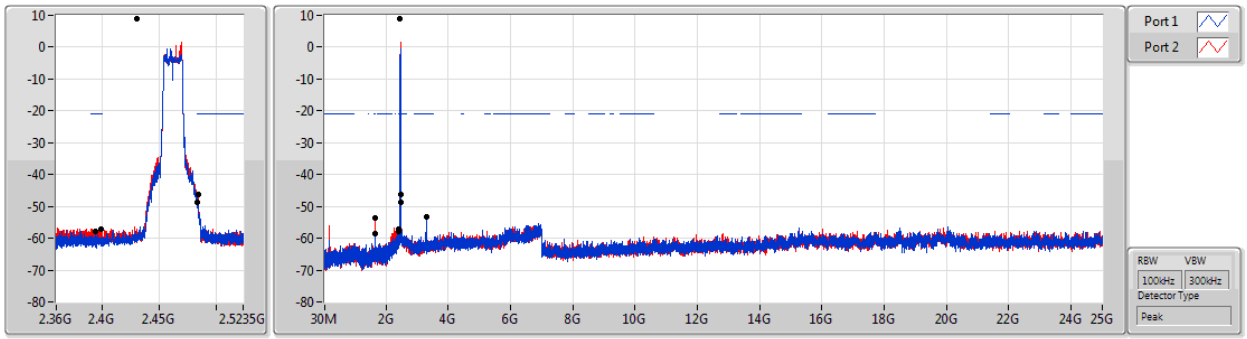


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	9.04	-20.96	2.302915G	-53.80	2.39984G	-44.95	2.4895G	-47.21	2.574072G	-53.39	1
2.430728G	9.04	-20.96	2.30175G	-51.69	2.39952G	-39.26	2.48478G	-47.09	3.248367G	-53.11	2

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

2462MHz

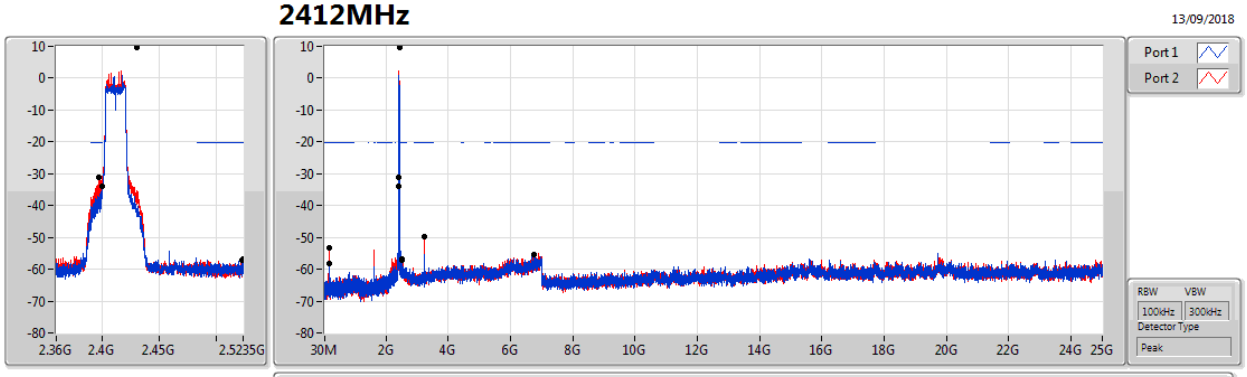
13/09/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	9.04	-20.96	1.641195G	-58.47	2.39408G	-57.87	2.48366G	-48.62	3.282082G	-53.20	1
2.430728G	9.04	-20.96	1.641195G	-53.53	2.39888G	-57.05	2.48422G	-46.30	3.282082G	-53.17	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

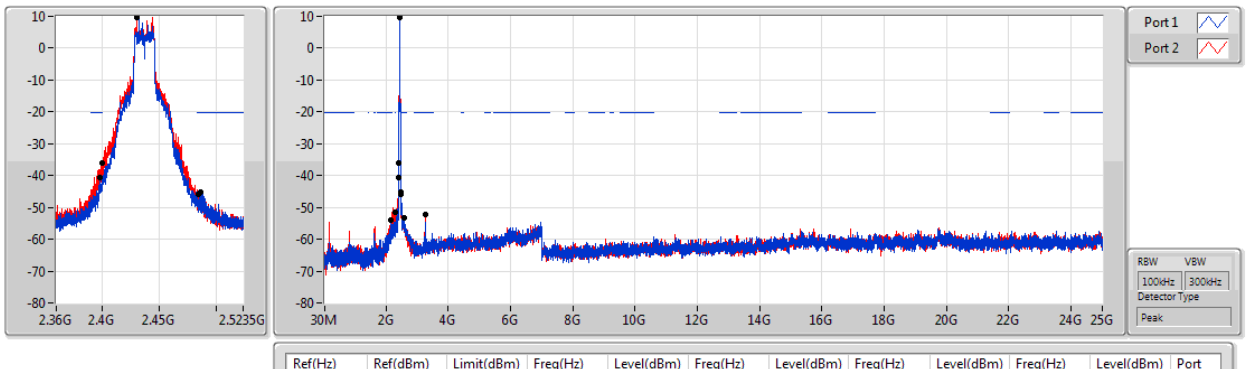
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	9.69	-20.31	179.12M	-58.18	2.39992G	-34.03	2.52342G	-56.77	6.765939G	-55.51	1
2.430728G	9.69	-20.31	173.295M	-53.44	2.39736G	-31.24	2.5223G	-57.09	3.214652G	-49.78	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

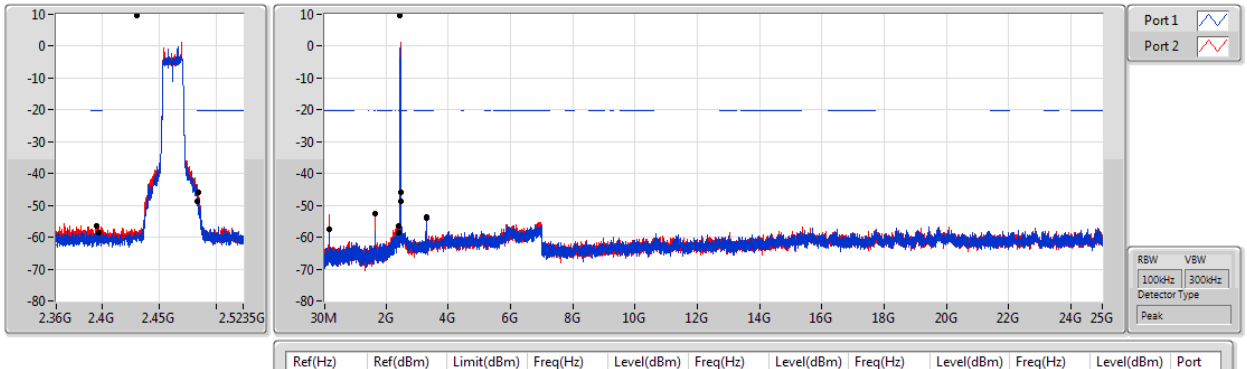
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	9.69	-20.31	2.165445G	-54.08	2.39824G	-40.76	2.48638G	-45.15	2.568453G	-53.44	1
2.430728G	9.69	-20.31	2.307575G	-51.43	2.39984G	-36.04	2.48438G	-45.92	3.248367G	-52.08	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

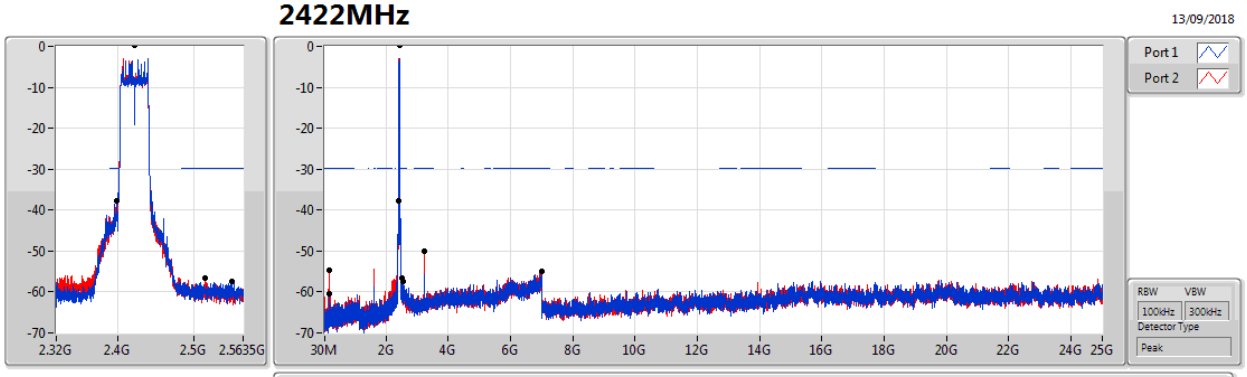
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	9.69	-20.31	175.625M	-57.60	2.39752G	-58.55	2.48366G	-48.60	3.282082G	-54.12	1
2.430728G	9.69	-20.31	1.641195G	-52.75	2.39536G	-56.54	2.48446G	-45.74	3.282082G	-53.50	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

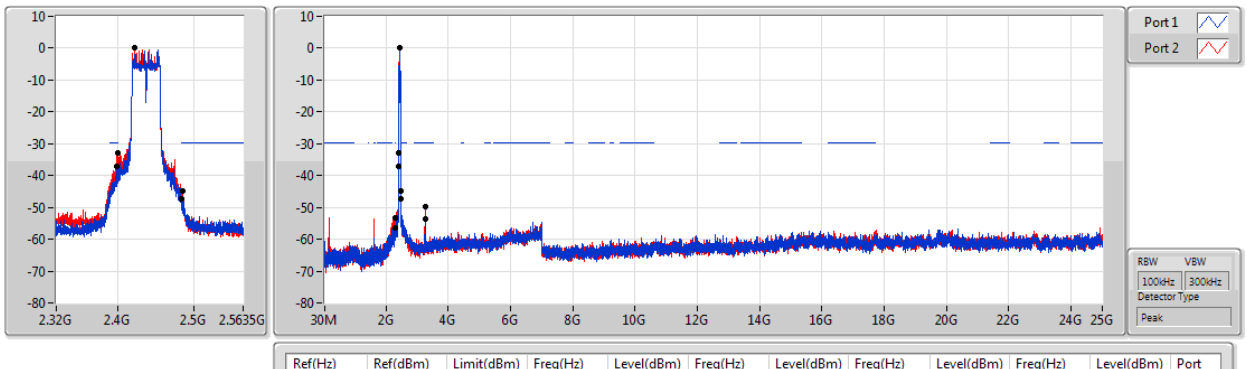
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.422044G	0.18	-29.82	176.56M	-60.35	2.39904G	-37.66	2.54878G	-57.33	6.997513G	-54.86	1
2.422044G	0.18	-29.82	170.835M	-54.73	2.39888G	-37.84	2.51326G	-56.58	3.228181G	-50.02	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

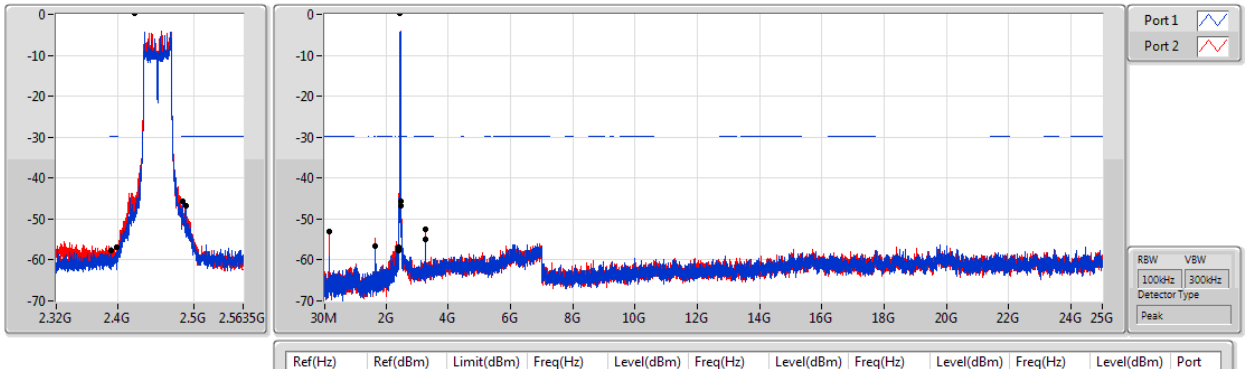
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.422044G	0.18	-29.82	2.30397G	-56.58	2.3992G	-37.00	2.48382G	-47.19	3.247813G	-53.64	1
2.422044G	0.18	-29.82	2.30168G	-53.21	2.39952G	-32.73	2.48478G	-44.93	3.247813G	-49.59	2

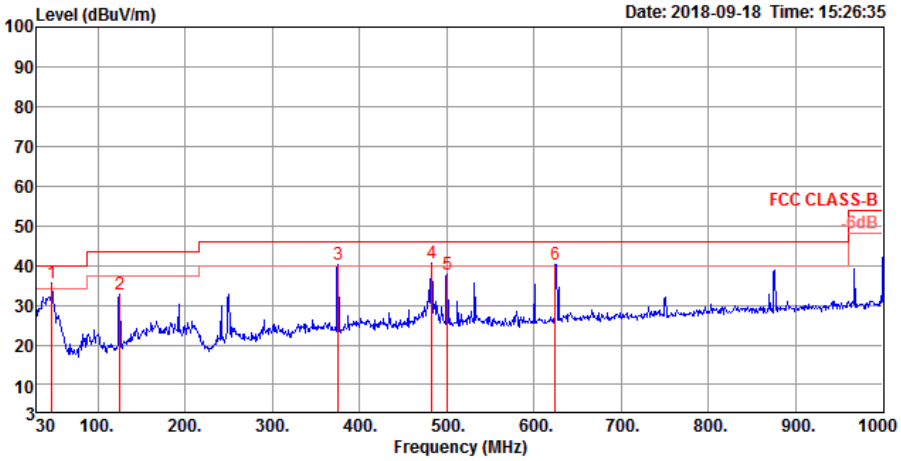
802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.422044G	0.18	-29.82	1.63529G	-56.69	2.39072G	-57.69	2.48446G	-45.61	3.267445G	-54.87	1
2.422044G	0.18	-29.82	171.98M	-53.16	2.39856G	-56.75	2.48878G	-46.65	3.267445G	-52.49	2

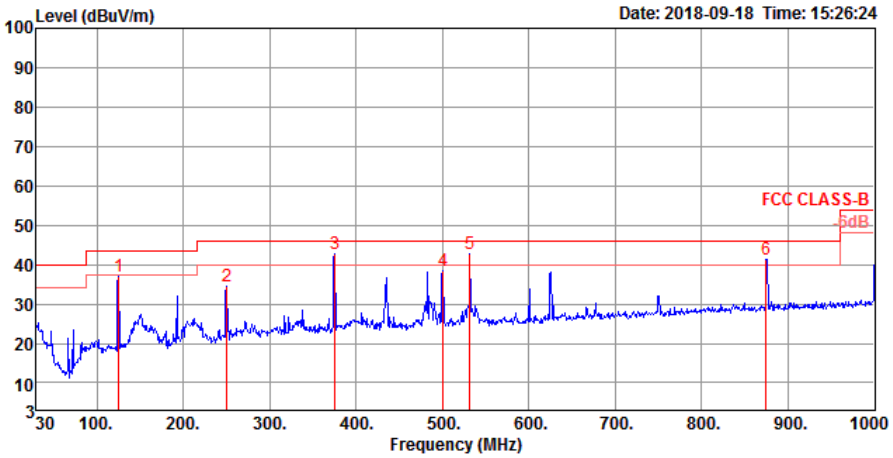
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	47.46	35.63	40.00	-4.37	50.62	0.84	15.90	31.73	150	360	Peak	VERTICAL
2	125.06	32.84	43.50	-10.66	44.78	1.35	18.60	31.89	200	180	Peak	VERTICAL
3	375.32	40.26	46.00	-5.74	48.16	2.33	21.88	32.11	125	1	Peak	VERTICAL
4	482.99	40.72	46.00	-5.28	46.76	2.66	23.53	32.23	125	1	Peak	VERTICAL
5	500.45	37.59	46.00	-8.41	43.31	2.71	23.83	32.26	100	71	Peak	VERTICAL
6	624.61	40.35	46.00	-5.65	44.57	3.01	25.21	32.44	100	57	Peak	VERTICAL

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

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	125.06	36.85	43.50	-6.65	48.79	1.35	18.60	31.89	150	227	Peak	HORIZONTAL
2	250.19	34.40	46.00	-11.60	45.57	1.91	18.90	31.98	125	201	Peak	HORIZONTAL
3	375.32	42.62	46.00	-3.38	50.52	2.33	21.88	32.11	100	128	Peak	HORIZONTAL
4	500.45	38.30	46.00	-7.70	44.02	2.71	23.83	32.26	150	217	Peak	HORIZONTAL
5	531.49	42.60	46.00	-3.40	47.82	2.79	24.31	32.32	150	282	Peak	HORIZONTAL
6	874.87	41.31	46.00	-4.69	42.67	3.60	27.50	32.46	100	138	Peak	HORIZONTAL

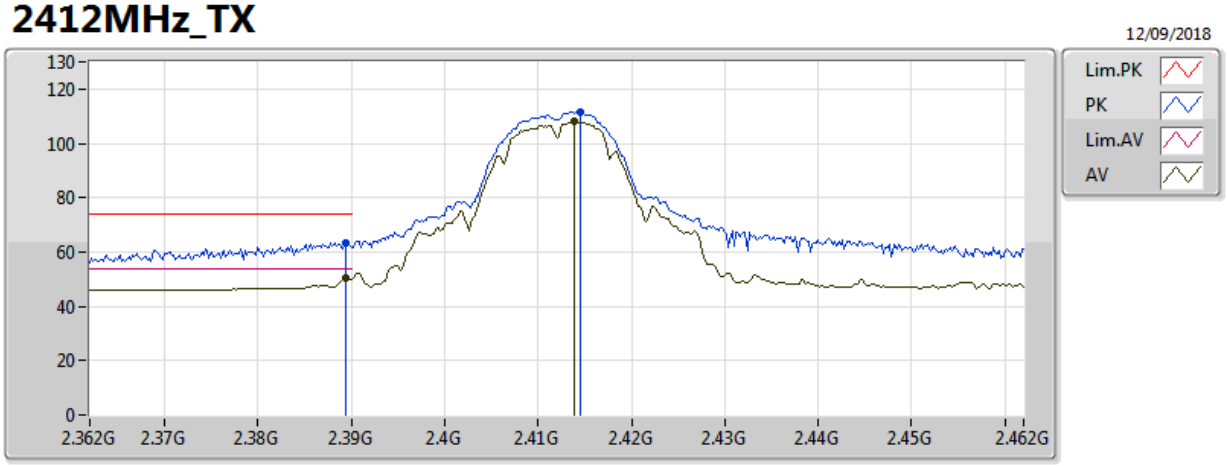
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	2.3896G	73.96	74.00	-0.04	33.17	3	Horizontal	354	2.34	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

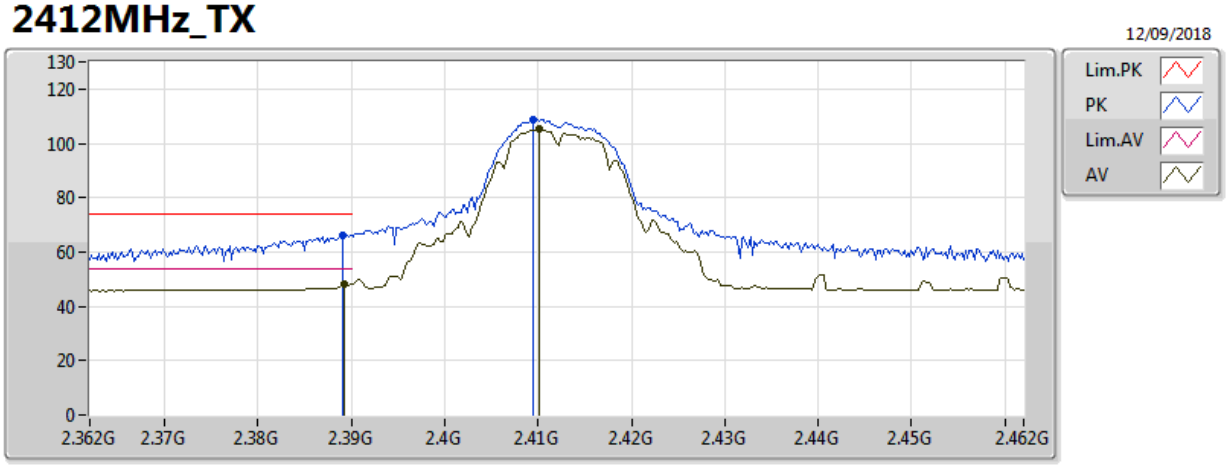


EUT Y_2TX
Setting 11/10
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	63.59	74.00	-10.41	33.17	3	Vertical	59	2.13	-
AV	2.3894G	50.24	54.00	-3.76	33.17	3	Vertical	59	2.13	-
PK	2.4146G	111.43	Inf	-Inf	33.17	3	Vertical	59	2.13	-
AV	2.4138G	108.08	Inf	-Inf	33.17	3	Vertical	59	2.13	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

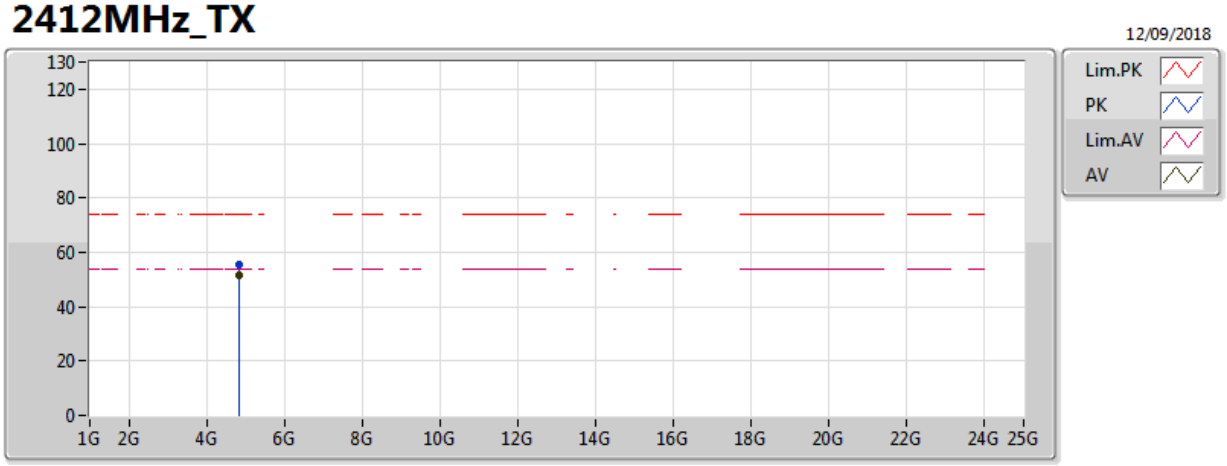


EUT Y_2TX
Setting 11/10
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	66.22	74.00	-7.78	33.17	3	Horizontal	354	2.33	-
AV	2.3892G	48.03	54.00	-5.97	33.17	3	Horizontal	354	2.33	-
PK	2.4094G	108.68	Inf	-Inf	33.17	3	Horizontal	354	2.33	-
AV	2.4102G	105.27	Inf	-Inf	33.17	3	Horizontal	354	2.33	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

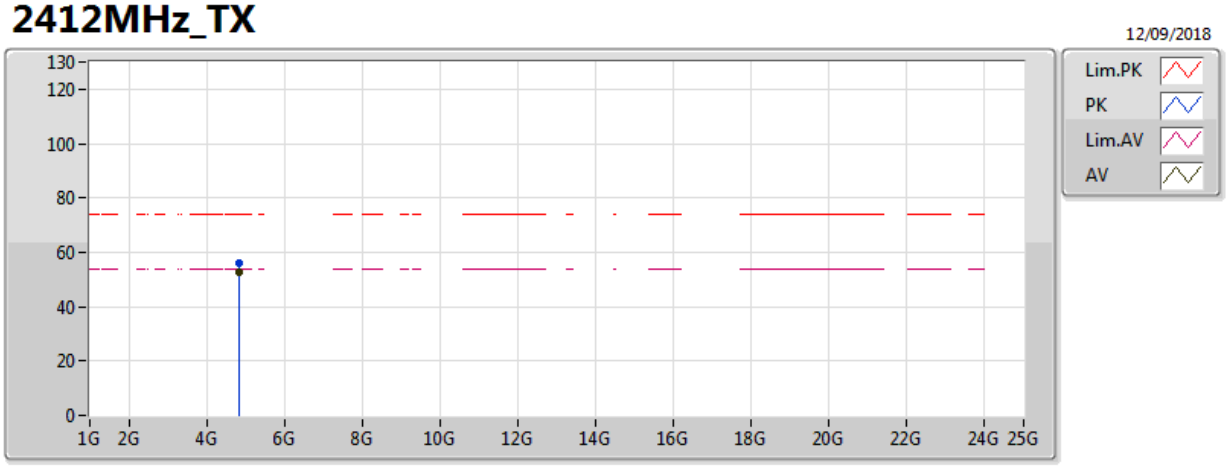


EUT Y_2TX
Setting 11/10
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.824044G	55.36	74.00	-18.64	6.87	3	Vertical	47	2.90	-
AV	4.824004G	51.60	54.00	-2.40	6.87	3	Vertical	47	2.90	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

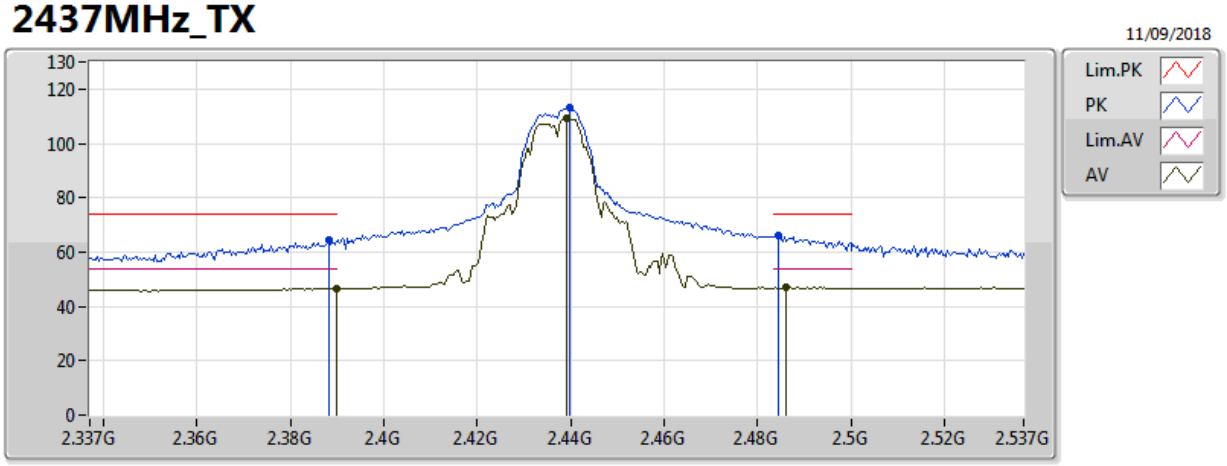


EUT Y_2TX
Setting 11/10 ↑1 over
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.824012G	55.80	74.00	-18.20	6.87	3	Horizontal	13	1.92	-
AV	4.824008G	52.76	54.00	-1.24	6.87	3	Horizontal	13	1.92	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

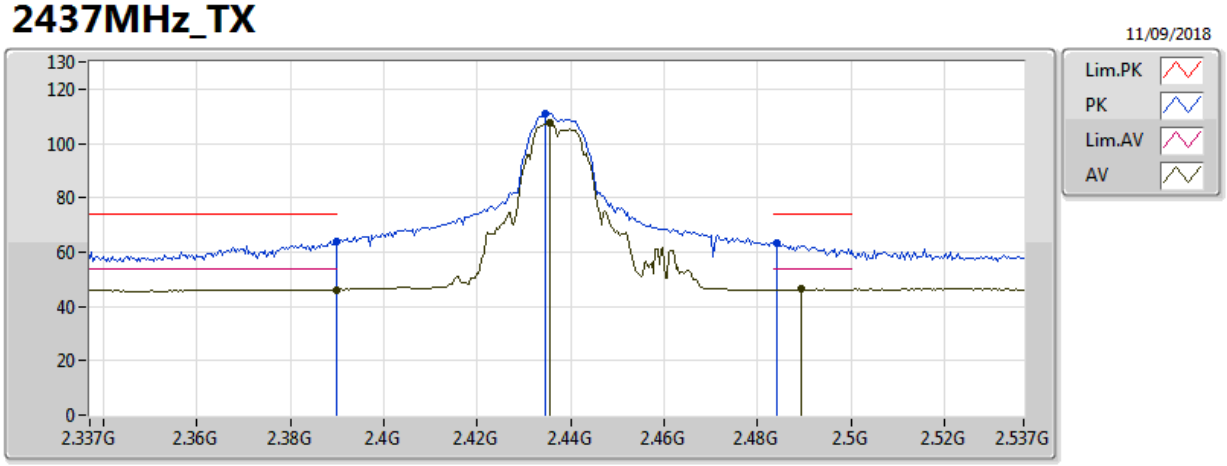


EUT Y_2TX
Setting 10/0E
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	64.35	74.00	-9.65	33.17	3	Vertical	21	1.50	-
AV	2.3898G	46.59	54.00	-7.41	33.17	3	Vertical	21	1.50	-
PK	2.4398G	113.03	Inf	-Inf	33.18	3	Vertical	21	1.50	-
AV	2.439G	109.26	Inf	-Inf	33.18	3	Vertical	21	1.50	-
PK	2.4846G	66.06	74.00	-7.94	33.18	3	Vertical	21	1.50	-
AV	2.4862G	46.91	54.00	-7.09	33.19	3	Vertical	21	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

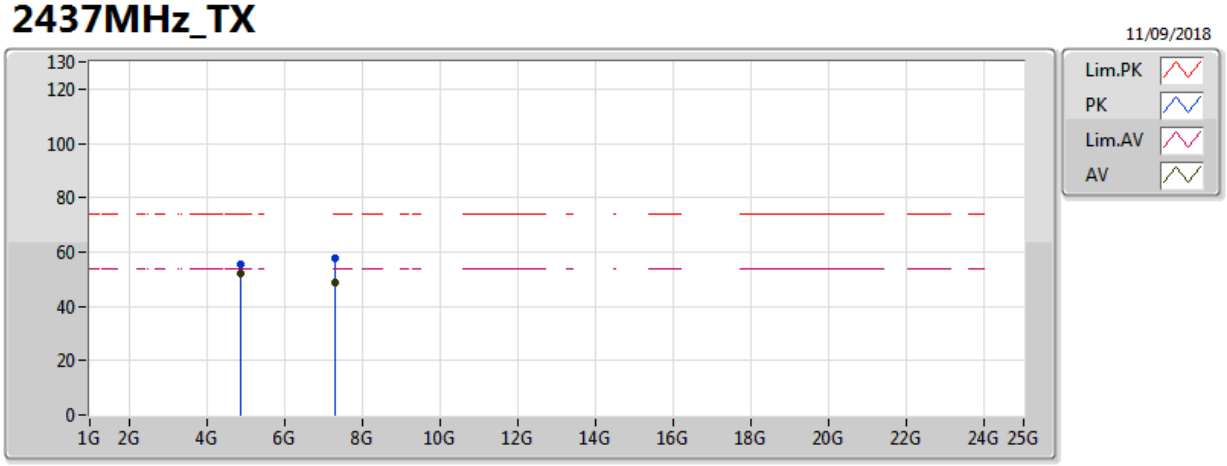


EUT Y_2TX
Setting 10/0E
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	63.79	74.00	-10.21	33.17	3	Horizontal	348	2.03	-
AV	2.3898G	46.20	54.00	-7.80	33.17	3	Horizontal	348	2.03	-
PK	2.4346G	111.01	Inf	-Inf	33.18	3	Horizontal	348	2.03	-
AV	2.4354G	107.64	Inf	-Inf	33.18	3	Horizontal	348	2.03	-
PK	2.4842G	63.55	74.00	-10.45	33.18	3	Horizontal	348	2.03	-
AV	2.4894G	46.32	54.00	-7.68	33.19	3	Horizontal	348	2.03	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

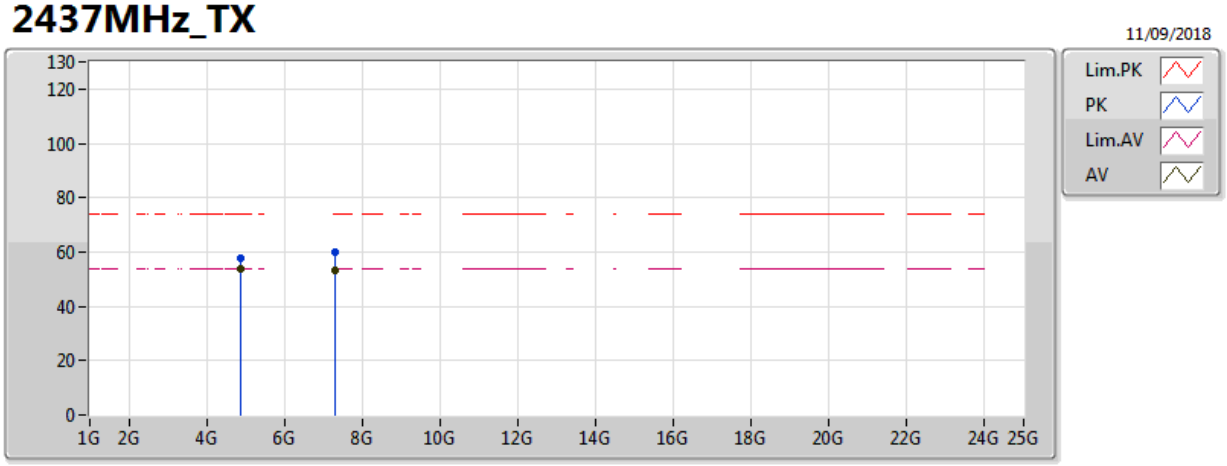


EUT Y_2TX
Setting 10/0E
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87416G	55.48	74.00	-18.52	6.99	3	Vertical	6	2.89	-
AV	4.874G	52.01	54.00	-1.99	6.99	3	Vertical	6	2.89	-
PK	7.31044G	57.57	74.00	-16.43	11.70	3	Vertical	356	2.84	-
AV	7.31028G	48.89	54.00	-5.11	11.70	3	Vertical	356	2.84	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

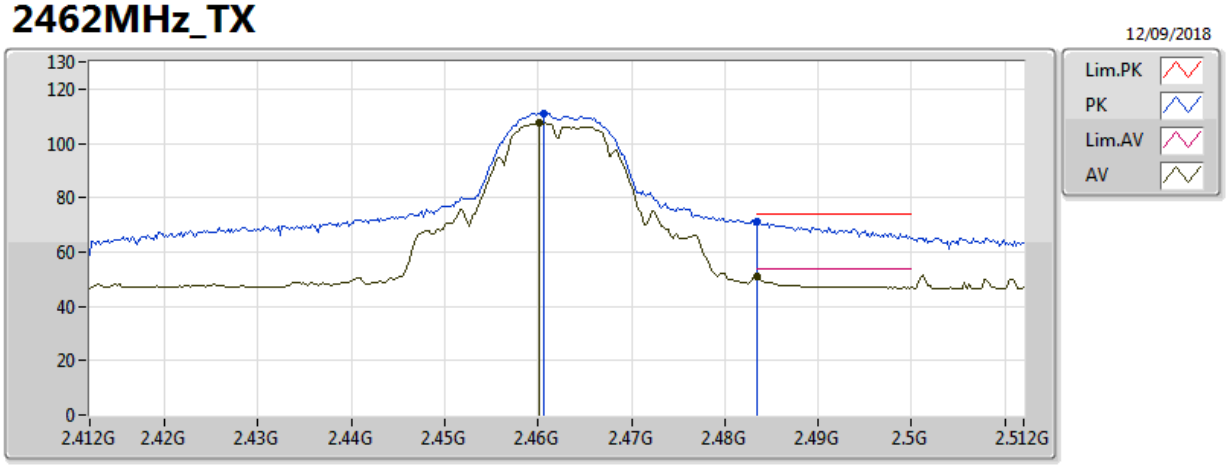


EUT Y_2TX
Setting 10/0E
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87404G	57.66	74.00	-16.34	6.99	3	Horizontal	5	2.06	-
AV	4.87408G	53.87	54.00	-0.13	6.99	3	Horizontal	5	2.06	-
PK	7.31184G	60.09	74.00	-13.91	11.70	3	Horizontal	326	1.93	-
AV	7.3118G	53.46	54.00	-0.54	11.70	3	Horizontal	326	1.93	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

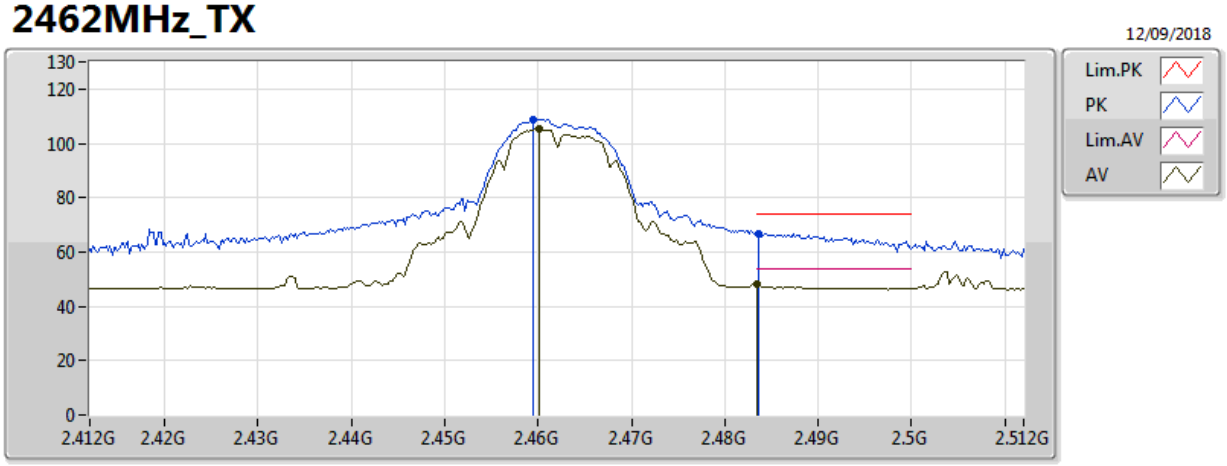


EUT Y_2TX
Setting 0C/0C
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4606G	111.17	Inf	-Inf	33.18	3	Vertical	5	1.35	-
AV	2.4602G	107.82	Inf	-Inf	33.18	3	Vertical	5	1.35	-
PK	2.483502G	71.01	74.00	-2.99	33.18	3	Vertical	5	1.35	-
AV	2.483502G	50.77	54.00	-3.23	33.18	3	Vertical	5	1.35	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

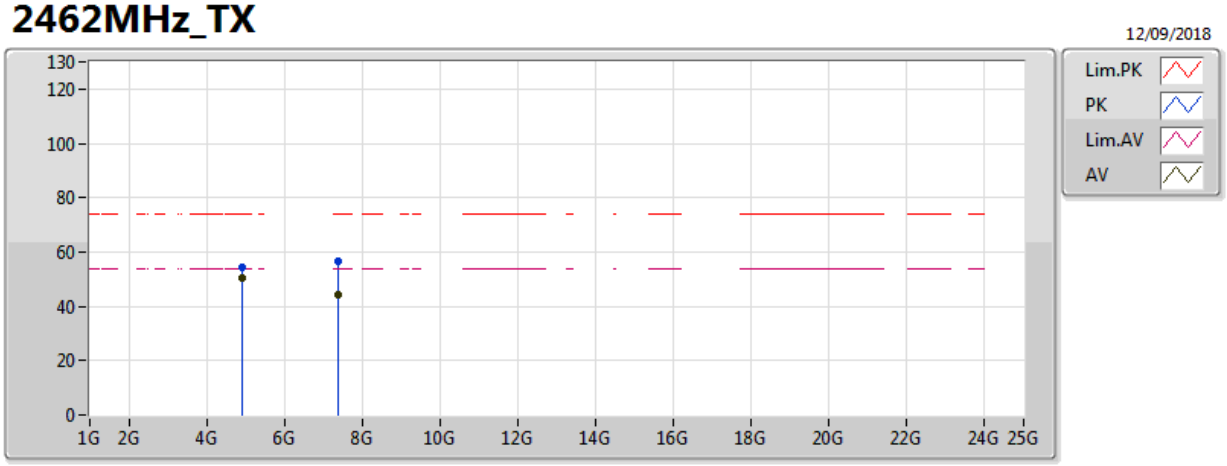


EUT Y_2TX
Setting 0C/0C
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4594G	108.90	Inf	-Inf	33.18	3	Horizontal	355	2.46	-
AV	2.4602G	105.47	Inf	-Inf	33.18	3	Horizontal	355	2.46	-
PK	2.4836G	66.96	74.00	-7.04	33.18	3	Horizontal	355	2.46	-
AV	2.483502G	48.13	54.00	-5.87	33.18	3	Horizontal	355	2.46	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

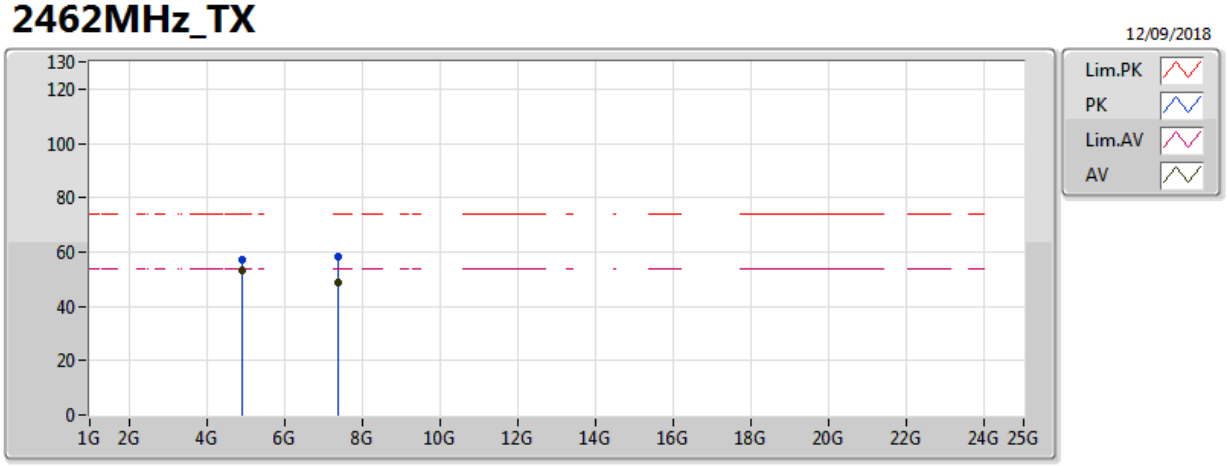


EUT Y_2TX
Setting 0C/0C
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92396G	54.55	74.00	-19.45	7.11	3	Vertical	287	2.08	-
AV	4.92402G	50.30	54.00	-3.70	7.11	3	Vertical	287	2.08	-
PK	7.38646G	56.50	74.00	-17.50	11.68	3	Vertical	8	1.50	-
AV	7.38688G	44.06	54.00	-9.94	11.68	3	Vertical	8	1.50	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

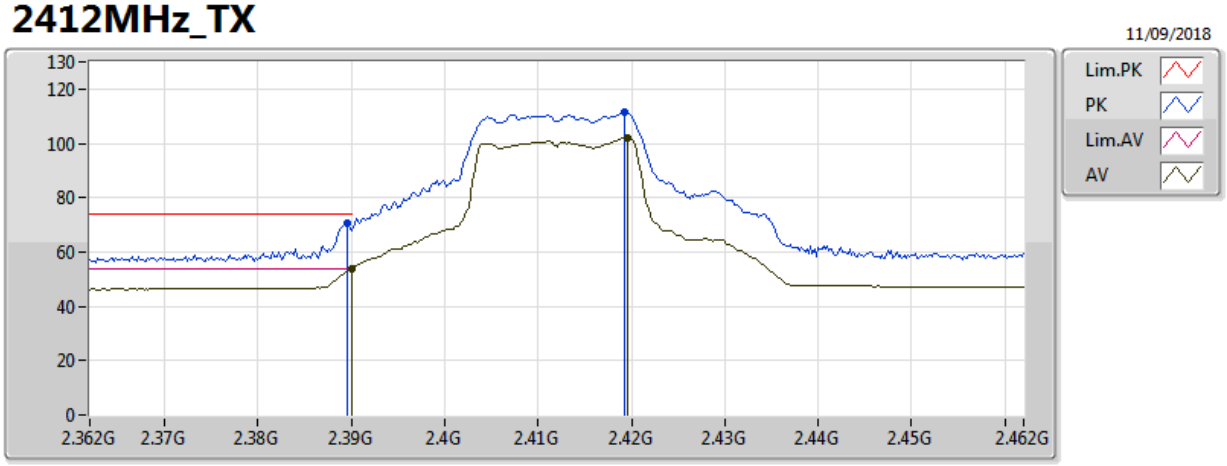


EUT Y_2TX
Setting 0C/0C
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92396G	57.36	74.00	-16.64	7.11	3	Horizontal	9	2.19	-
AV	4.924084G	53.41	54.00	-0.59	7.11	3	Horizontal	9	2.19	-
PK	7.38648G	58.37	74.00	-15.63	11.68	3	Horizontal	337	1.89	-
AV	7.3868G	48.91	54.00	-5.09	11.68	3	Horizontal	337	1.89	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

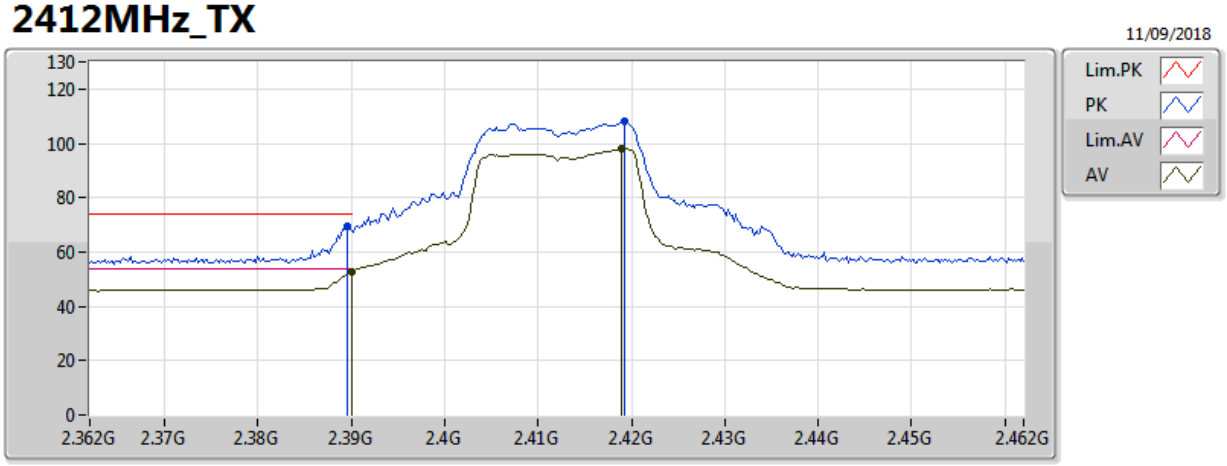


EUT Y_2TX
Setting 0B/0A
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	70.87	74.00	-3.13	33.17	3	Vertical	160	2.09	-
AV	2.389998G	53.80	54.00	-0.20	33.17	3	Vertical	160	2.09	-
PK	2.4192G	111.59	Inf	-Inf	33.17	3	Vertical	160	2.09	-
AV	2.4196G	101.95	Inf	-Inf	33.17	3	Vertical	160	2.09	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

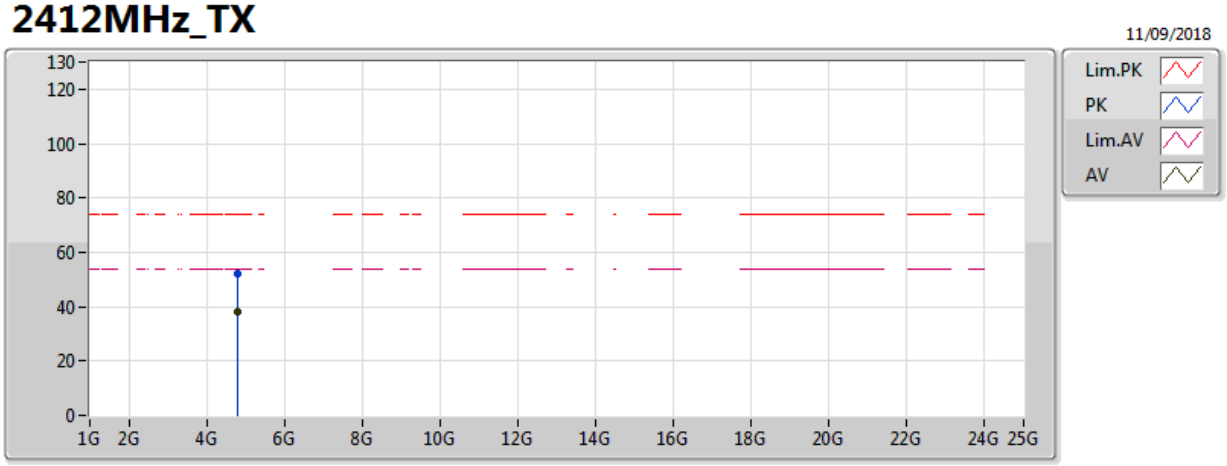


EUT Y_2TX
Setting 0B/0A
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	69.53	74.00	-4.47	33.17	3	Horizontal	185	1.93	-
AV	2.389998G	52.63	54.00	-1.37	33.17	3	Horizontal	185	1.93	-
PK	2.4192G	108.03	Inf	-Inf	33.17	3	Horizontal	185	1.93	-
AV	2.419G	98.07	Inf	-Inf	33.17	3	Horizontal	185	1.93	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

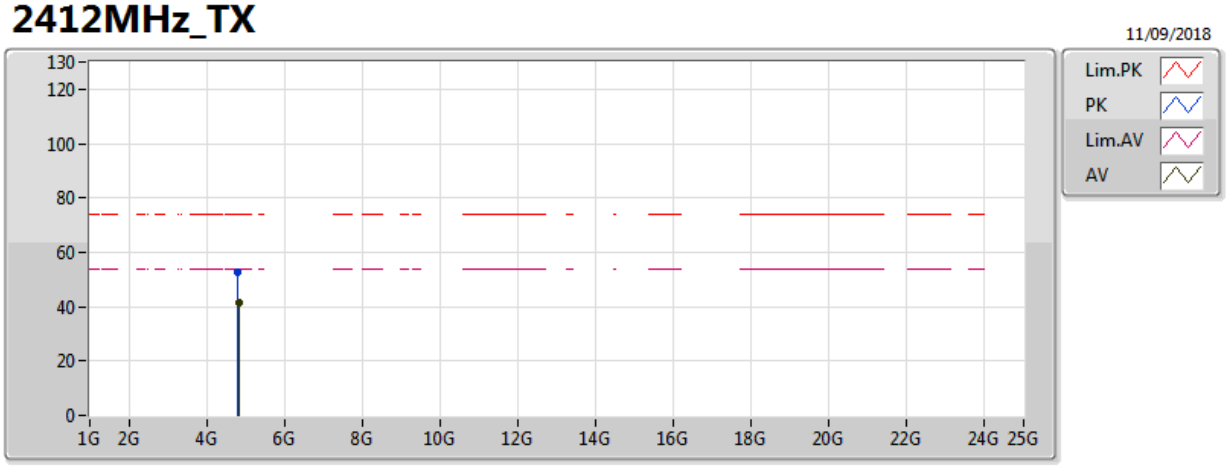


EUT Y_2TX
Setting 0B/0A
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8154G	52.13	74.00	-21.87	6.85	3	Vertical	8	2.03	-
AV	4.814G	38.18	54.00	-15.82	6.84	3	Vertical	8	2.03	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

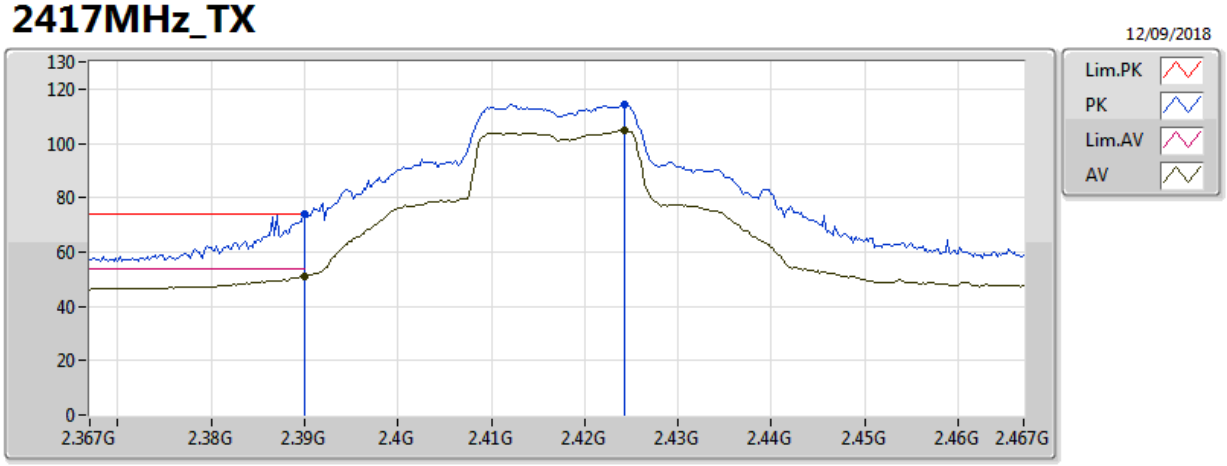


EUT Y_2TX
Setting 0B/0A
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8142G	52.69	74.00	-21.31	6.84	3	Horizontal	352	2.65	-
AV	4.831G	41.19	54.00	-12.81	6.88	3	Horizontal	352	2.65	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

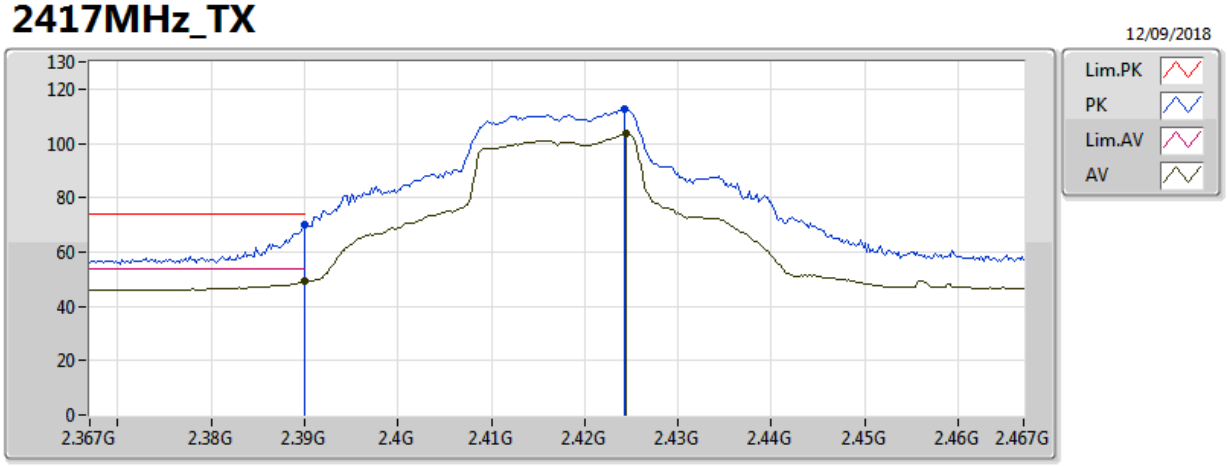


EUT Y_2TX
Setting 15/12
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	73.80	74.00	-0.20	33.17	3	Vertical	14	1.36	-
AV	2.389998G	51.27	54.00	-2.73	33.17	3	Vertical	14	1.36	-
PK	2.4242G	114.36	Inf	-Inf	33.17	3	Vertical	14	1.36	-
AV	2.4242G	104.77	Inf	-Inf	33.17	3	Vertical	14	1.36	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

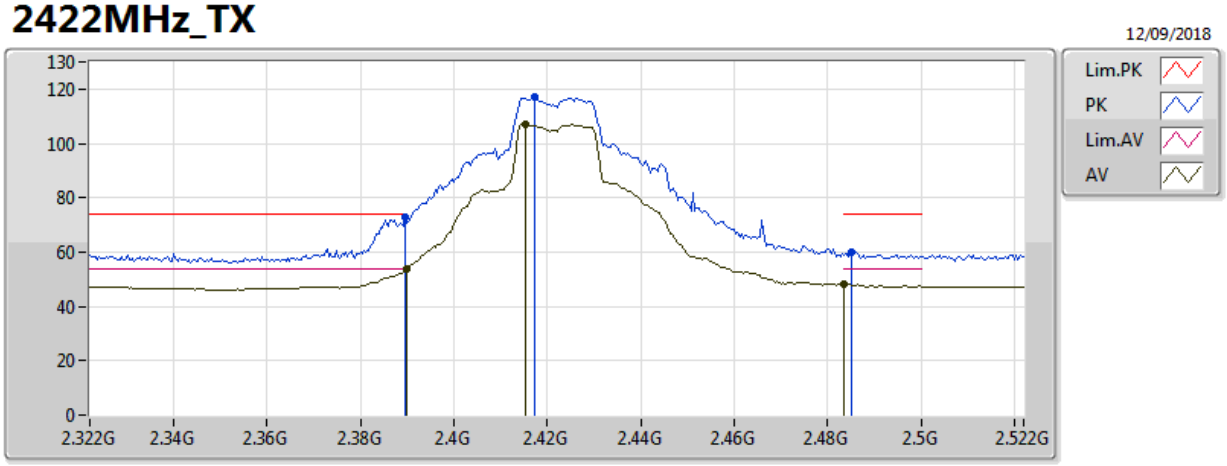


EUT Y_2TX
Setting 15/12
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	70.12	74.00	-3.88	33.17	3	Horizontal	359	1.82	-
AV	2.389998G	49.15	54.00	-4.85	33.17	3	Horizontal	359	1.82	-
PK	2.4242G	112.64	Inf	-Inf	33.17	3	Horizontal	359	1.82	-
AV	2.4244G	103.43	Inf	-Inf	33.17	3	Horizontal	359	1.82	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

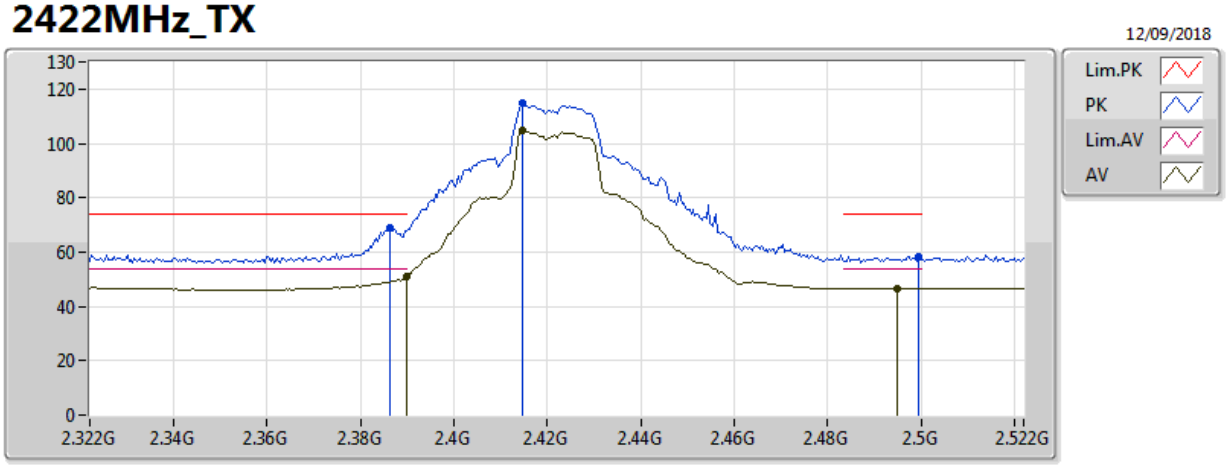


EUT Y_2TX
Setting 1C/19
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	72.68	74.00	-1.32	33.17	3	Vertical	359	2.69	-
AV	2.389998G	53.54	54.00	-0.46	33.17	3	Vertical	359	2.69	-
PK	2.4172G	116.95	Inf	-Inf	33.17	3	Vertical	359	2.69	-
AV	2.4152G	107.17	Inf	-Inf	33.17	3	Vertical	359	2.69	-
PK	2.4852G	60.09	74.00	-13.91	33.18	3	Vertical	359	2.69	-
AV	2.483502G	48.08	54.00	-5.92	33.18	3	Vertical	359	2.69	-

802.11g_Nss1,(6Mbps)_2TX

2422MHz_TX

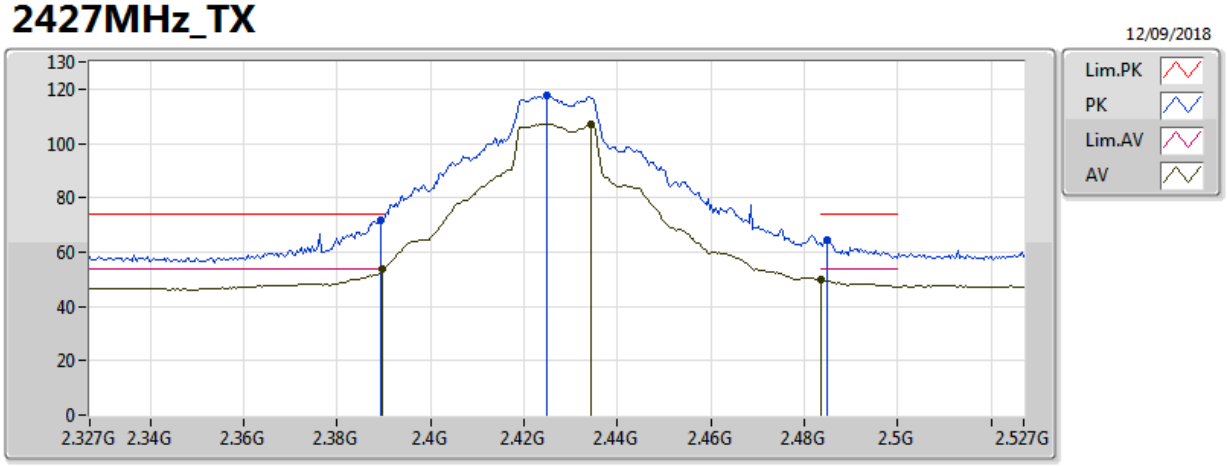


EUT Y_2TX
Setting 1C/19
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3864G	68.65	74.00	-5.35	33.16	3	Horizontal	356	2.26	-
AV	2.389998G	51.27	54.00	-2.73	33.17	3	Horizontal	356	2.26	-
PK	2.4148G	114.61	Inf	-Inf	33.17	3	Horizontal	356	2.26	-
AV	2.4148G	104.90	Inf	-Inf	33.17	3	Horizontal	356	2.26	-
PK	2.4996G	58.32	74.00	-15.68	33.19	3	Horizontal	356	2.26	-
AV	2.4948G	46.72	54.00	-7.28	33.19	3	Horizontal	356	2.26	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

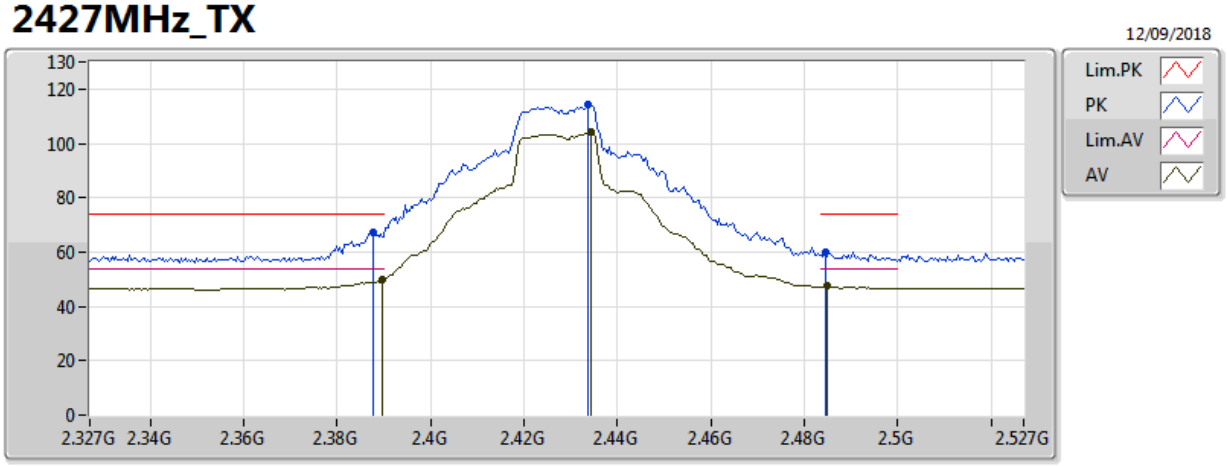


EUT Y_2TX
Setting 22/20
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	71.99	74.00	-2.01	33.17	3	Vertical	2	1.73	-
AV	2.3898G	53.77	54.00	-0.23	33.17	3	Vertical	2	1.73	-
PK	2.425G	117.80	Inf	-Inf	33.17	3	Vertical	2	1.73	-
AV	2.4342G	107.25	Inf	-Inf	33.18	3	Vertical	2	1.73	-
PK	2.485G	64.38	74.00	-9.62	33.18	3	Vertical	2	1.73	-
AV	2.483502G	49.85	54.00	-4.15	33.18	3	Vertical	2	1.73	-

802.11g_Nss1,(6Mbps)_2TX

2427MHz_TX

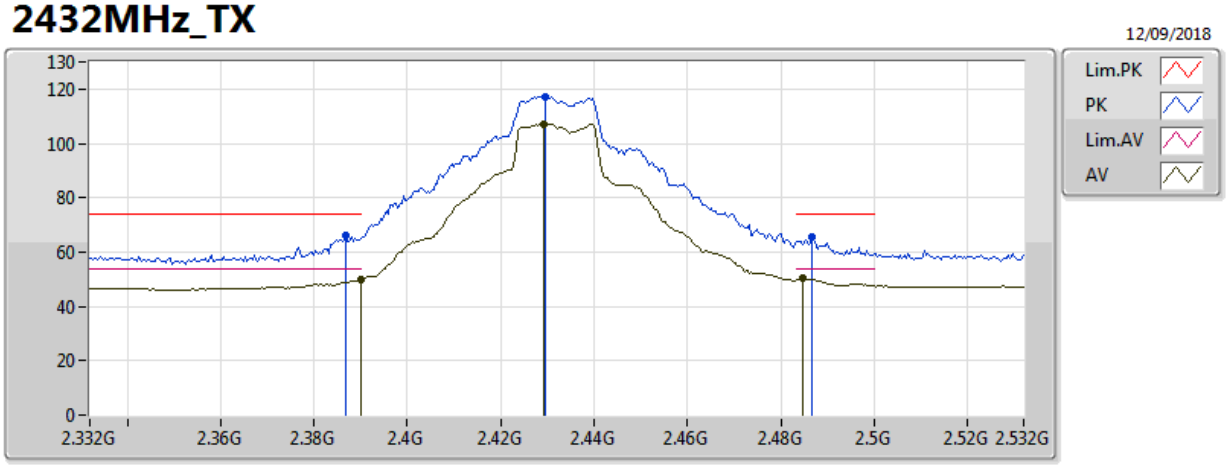


EUT Y_2TX
Setting 22/20
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	67.25	74.00	-6.75	33.16	3	Horizontal	356	2.49	-
AV	2.3898G	49.77	54.00	-4.23	33.17	3	Horizontal	356	2.49	-
PK	2.4338G	114.06	Inf	-Inf	33.18	3	Horizontal	356	2.49	-
AV	2.4342G	104.32	Inf	-Inf	33.18	3	Horizontal	356	2.49	-
PK	2.4846G	60.11	74.00	-13.89	33.18	3	Horizontal	356	2.49	-
AV	2.485G	47.38	54.00	-6.62	33.18	3	Horizontal	356	2.49	-

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

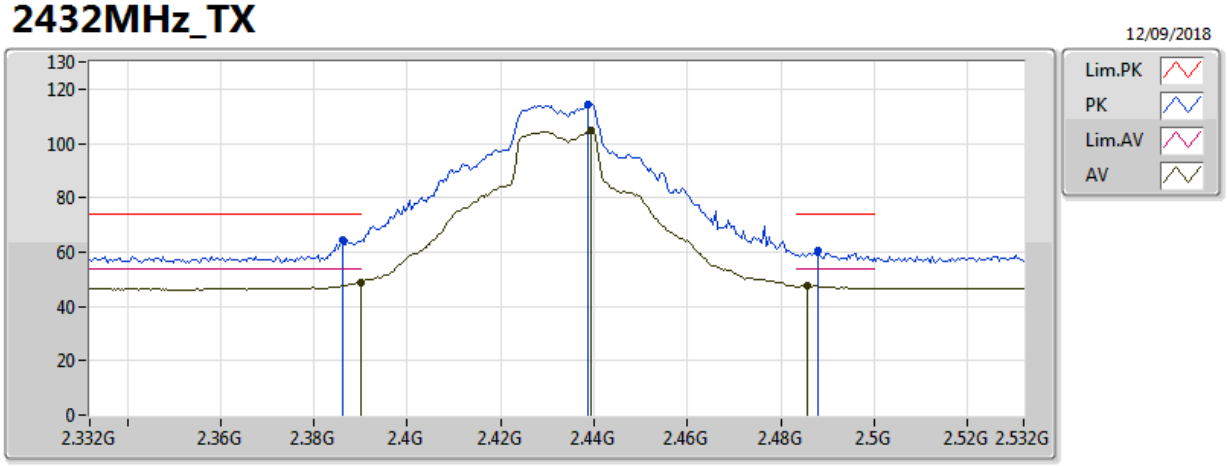


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	66.17	74.00	-7.83	33.16	3	Vertical	360	2.70	-
AV	2.389998G	49.80	54.00	-4.20	33.17	3	Vertical	360	2.70	-
PK	2.4296G	117.26	Inf	-Inf	33.18	3	Vertical	360	2.70	-
AV	2.4292G	107.24	Inf	-Inf	33.18	3	Vertical	360	2.70	-
PK	2.4868G	65.52	74.00	-8.48	33.19	3	Vertical	360	2.70	-
AV	2.4848G	50.20	54.00	-3.80	33.18	3	Vertical	360	2.70	-

802.11g_Nss1,(6Mbps)_2TX

2432MHz_TX

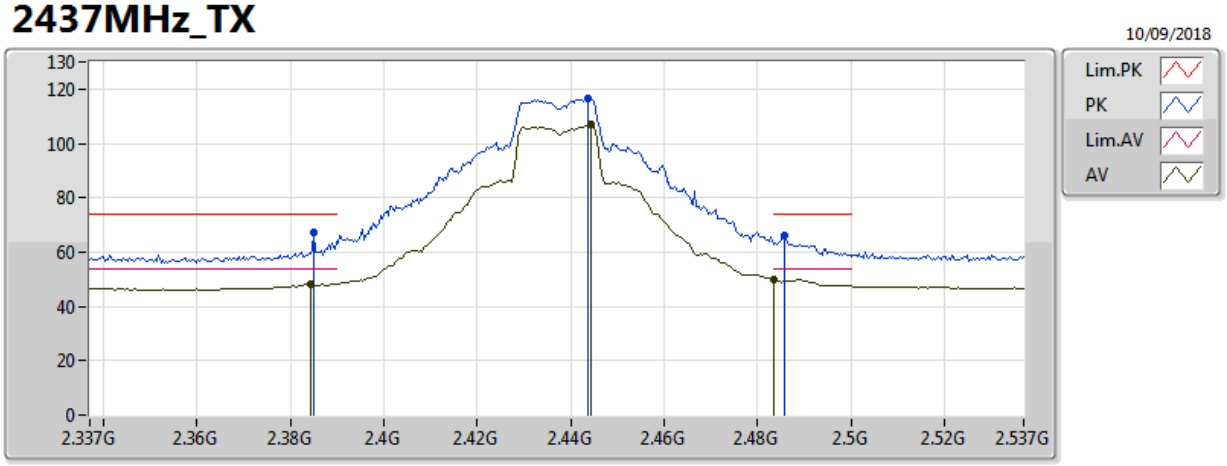


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	64.45	74.00	-9.55	33.16	3	Horizontal	357	2.51	-
AV	2.389998G	48.96	54.00	-5.04	33.17	3	Horizontal	357	2.51	-
PK	2.4388G	114.37	Inf	-Inf	33.18	3	Horizontal	357	2.51	-
AV	2.4392G	104.78	Inf	-Inf	33.18	3	Horizontal	357	2.51	-
PK	2.488G	60.26	74.00	-13.74	33.19	3	Horizontal	357	2.51	-
AV	2.4856G	47.49	54.00	-6.51	33.19	3	Horizontal	357	2.51	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

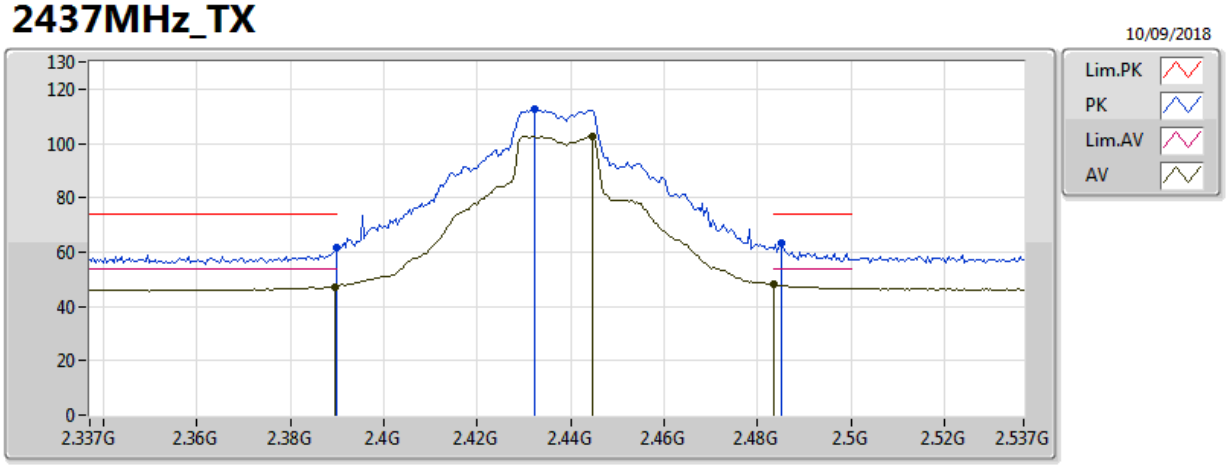


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.385G	67.05	74.00	-6.95	33.16	3	Vertical	15	2.38	-
AV	2.3842G	48.29	54.00	-5.71	33.16	3	Vertical	15	2.38	-
PK	2.4438G	116.60	Inf	-Inf	33.18	3	Vertical	15	2.38	-
AV	2.4442G	107.20	Inf	-Inf	33.18	3	Vertical	15	2.38	-
PK	2.4858G	65.90	74.00	-8.10	33.19	3	Vertical	15	2.38	-
AV	2.483502G	49.93	54.00	-4.07	33.18	3	Vertical	15	2.38	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

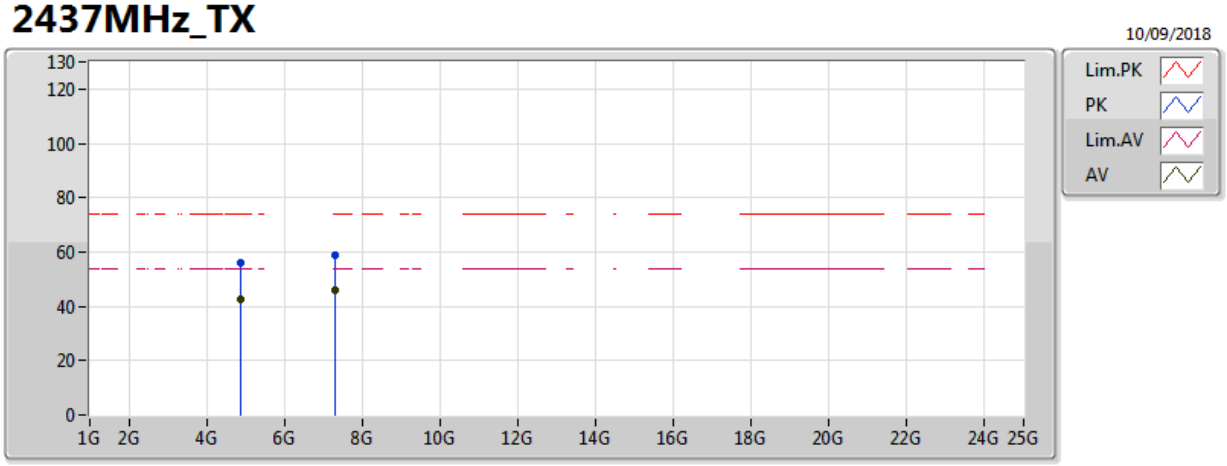


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	61.63	74.00	-12.37	33.17	3	Horizontal	348	1.83	-
AV	2.3894G	47.25	54.00	-6.75	33.17	3	Horizontal	348	1.83	-
PK	2.4322G	112.54	Inf	-Inf	33.18	3	Horizontal	348	1.83	-
AV	2.4446G	102.60	Inf	-Inf	33.18	3	Horizontal	348	1.83	-
PK	2.485G	63.53	74.00	-10.47	33.18	3	Horizontal	348	1.83	-
AV	2.483502G	48.04	54.00	-5.96	33.18	3	Horizontal	348	1.83	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

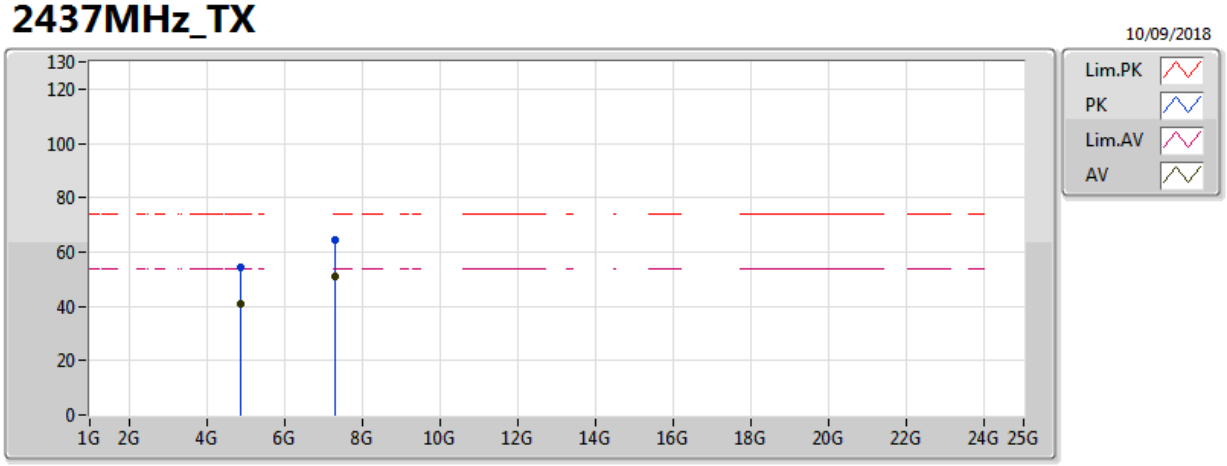


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8703G	56.10	74.00	-17.90	6.98	3	Vertical	0	1.78	-
AV	4.8685G	42.57	54.00	-11.43	6.97	3	Vertical	0	1.78	-
PK	7.3149G	59.08	74.00	-14.92	11.70	3	Vertical	0	1.44	-
AV	7.315G	45.69	54.00	-8.31	11.70	3	Vertical	0	1.44	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

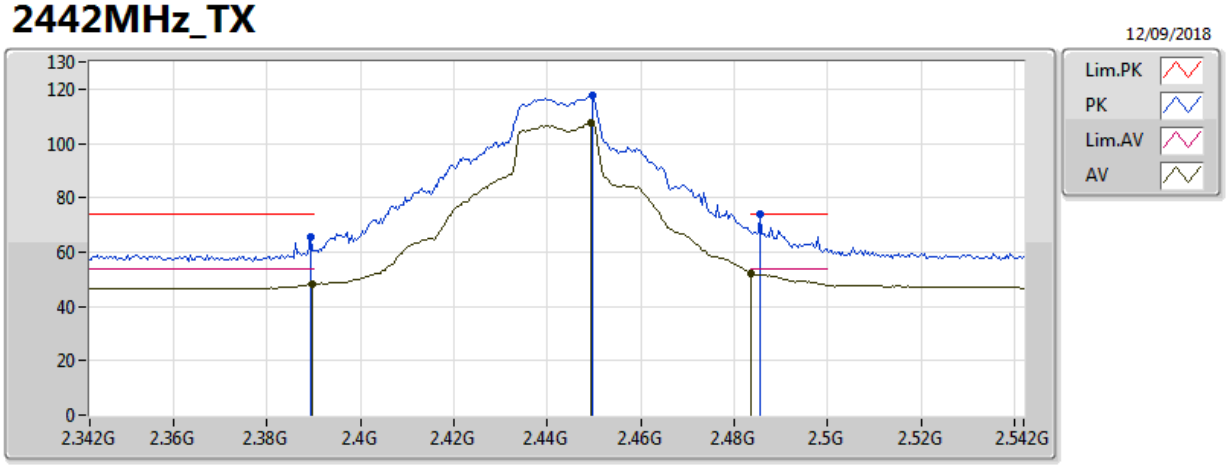


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8698G	54.50	74.00	-19.50	6.98	3	Horizontal	287	1.50	-
AV	4.8683G	40.99	54.00	-13.01	6.97	3	Horizontal	287	1.50	-
PK	7.315G	64.59	74.00	-9.41	11.70	3	Horizontal	321	1.95	-
AV	7.3136G	50.87	54.00	-3.13	11.70	3	Horizontal	321	1.95	-

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

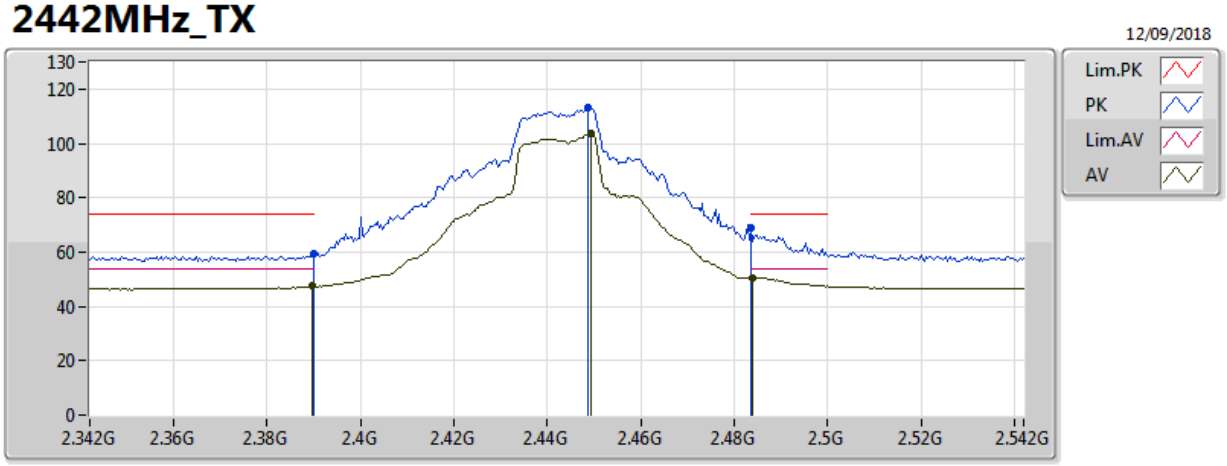


EUT Y_2TX
Setting 22/20
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	65.74	74.00	-8.26	33.17	3	Vertical	356	2.40	-
AV	2.3896G	48.28	54.00	-5.72	33.17	3	Vertical	356	2.40	-
PK	2.4496G	117.61	Inf	-Inf	33.18	3	Vertical	356	2.40	-
AV	2.4492G	107.64	Inf	-Inf	33.18	3	Vertical	356	2.40	-
PK	2.4856G	73.78	74.00	-0.22	33.19	3	Vertical	356	2.40	-
AV	2.483502G	51.89	54.00	-2.11	33.18	3	Vertical	356	2.40	-

802.11g_Nss1,(6Mbps)_2TX

2442MHz_TX

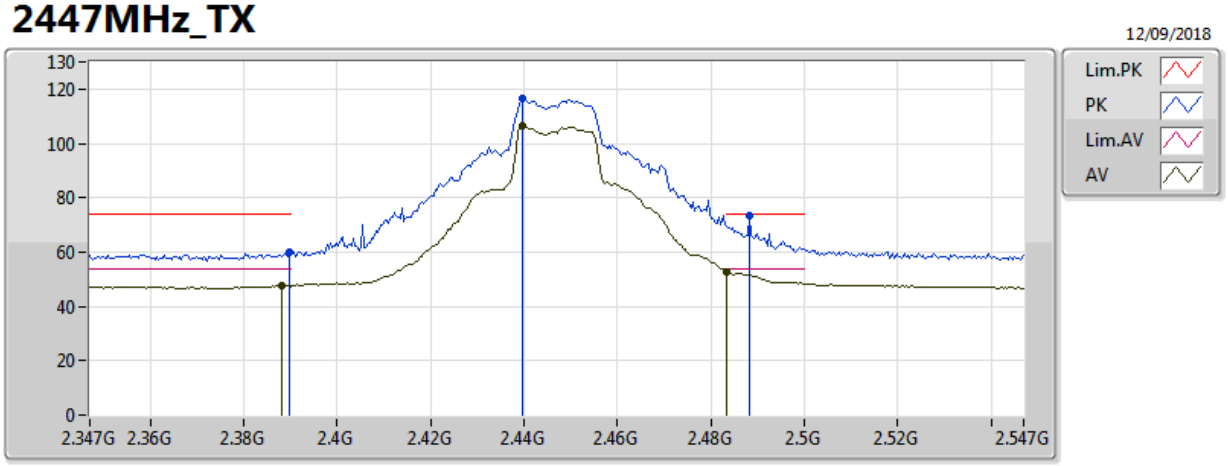


EUT Y_2TX
Setting 22/20
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	59.59	74.00	-14.41	33.17	3	Horizontal	2	2.42	-
AV	2.3896G	47.52	54.00	-6.48	33.17	3	Horizontal	2	2.42	-
PK	2.4488G	113.28	Inf	-Inf	33.18	3	Horizontal	2	2.42	-
AV	2.4492G	103.74	Inf	-Inf	33.18	3	Horizontal	2	2.42	-
PK	2.483502G	68.77	74.00	-5.23	33.18	3	Horizontal	2	2.42	-
AV	2.484G	50.66	54.00	-3.34	33.18	3	Horizontal	2	2.42	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

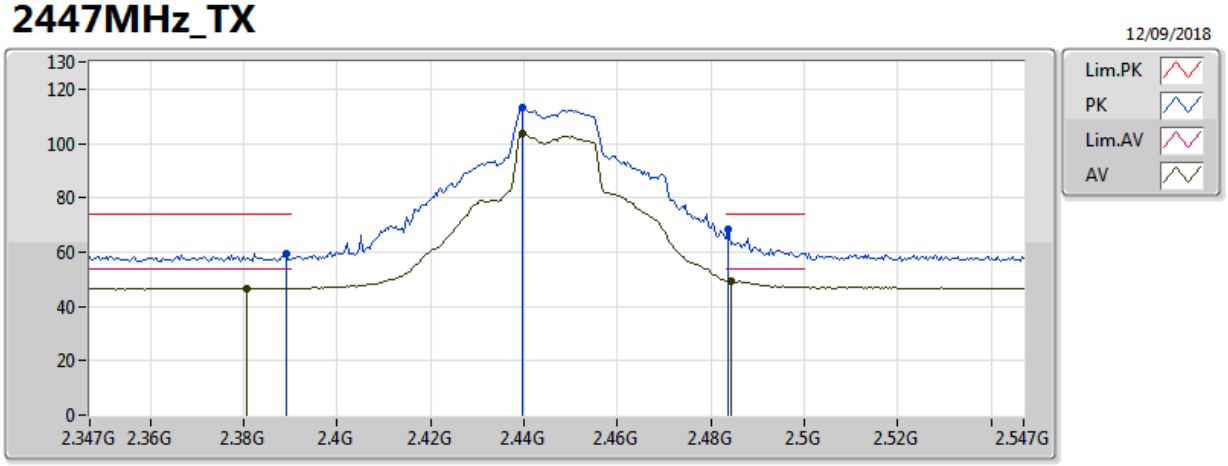


EUT Y_2TX
Setting 1D/1B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	59.76	74.00	-14.24	33.17	3	Vertical	353	2.36	-
AV	2.3882G	47.40	54.00	-6.60	33.17	3	Vertical	353	2.36	-
PK	2.4398G	116.31	Inf	-Inf	33.18	3	Vertical	353	2.36	-
AV	2.4398G	106.56	Inf	-Inf	33.18	3	Vertical	353	2.36	-
PK	2.4882G	73.51	74.00	-0.49	33.19	3	Vertical	353	2.36	-
AV	2.483502G	52.54	54.00	-1.46	33.18	3	Vertical	353	2.36	-

802.11g_Nss1,(6Mbps)_2TX

2447MHz_TX

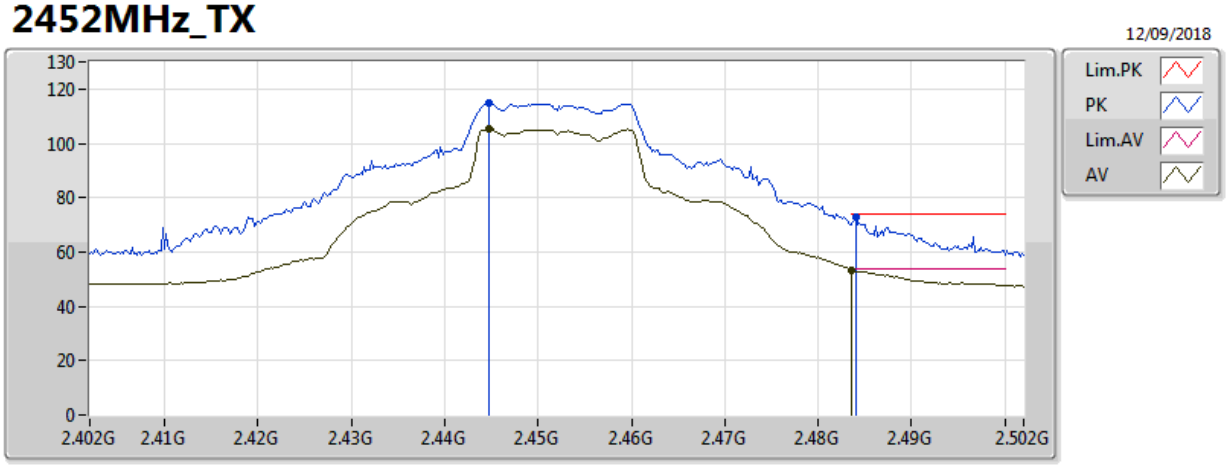


EUT Y_2TX
Setting 1D/1B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	59.51	74.00	-14.49	33.17	3	Horizontal	352	2.21	-
AV	2.3806G	46.76	54.00	-7.24	33.16	3	Horizontal	352	2.21	-
PK	2.4398G	113.19	Inf	-Inf	33.18	3	Horizontal	352	2.21	-
AV	2.4398G	103.50	Inf	-Inf	33.18	3	Horizontal	352	2.21	-
PK	2.4838G	68.21	74.00	-5.79	33.18	3	Horizontal	352	2.21	-
AV	2.4842G	49.20	54.00	-4.80	33.18	3	Horizontal	352	2.21	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

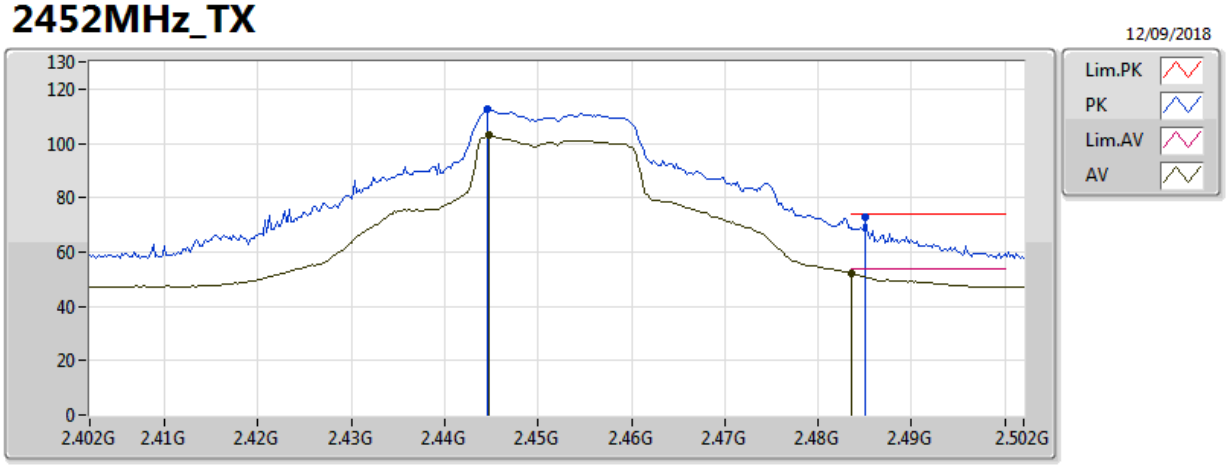


EUT Y_2TX
Setting 17/17
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4448G	115.09	Inf	-Inf	33.18	3	Vertical	32	1.15	-
AV	2.4448G	105.35	Inf	-Inf	33.18	3	Vertical	32	1.15	-
PK	2.484G	72.93	74.00	-1.07	33.18	3	Vertical	32	1.15	-
AV	2.483502G	53.41	54.00	-0.59	33.18	3	Vertical	32	1.15	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

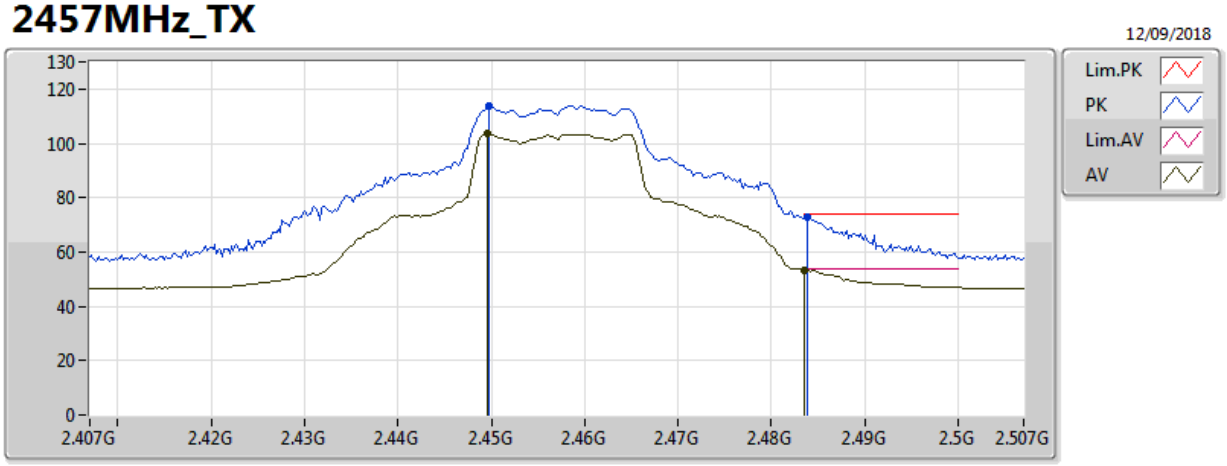


EUT Y_2TX
Setting 17/17
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4446G	112.65	Inf	-Inf	33.18	3	Horizontal	9	2.42	-
AV	2.4448G	102.89	Inf	-Inf	33.18	3	Horizontal	9	2.42	-
PK	2.485G	73.06	74.00	-0.94	33.18	3	Horizontal	9	2.42	-
AV	2.483502G	52.13	54.00	-1.87	33.18	3	Horizontal	9	2.42	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

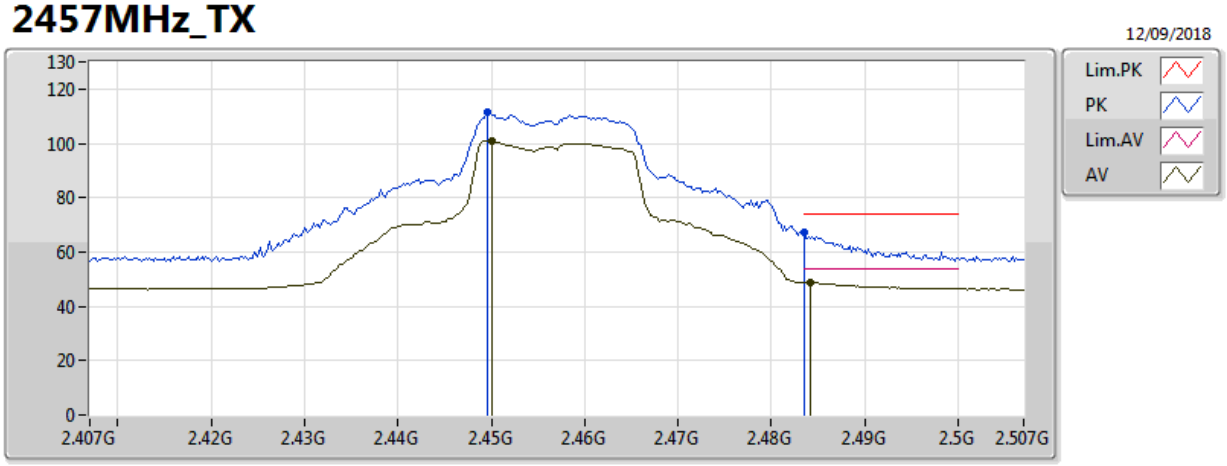


EUT Y_2TX
Setting 11/11
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4498G	113.75	Inf	-Inf	33.18	3	Vertical	14	2.59	-
AV	2.4496G	103.61	Inf	-Inf	33.18	3	Vertical	14	2.59	-
PK	2.4838G	72.70	74.00	-1.30	33.18	3	Vertical	14	2.59	-
AV	2.483502G	53.43	54.00	-0.57	33.18	3	Vertical	14	2.59	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

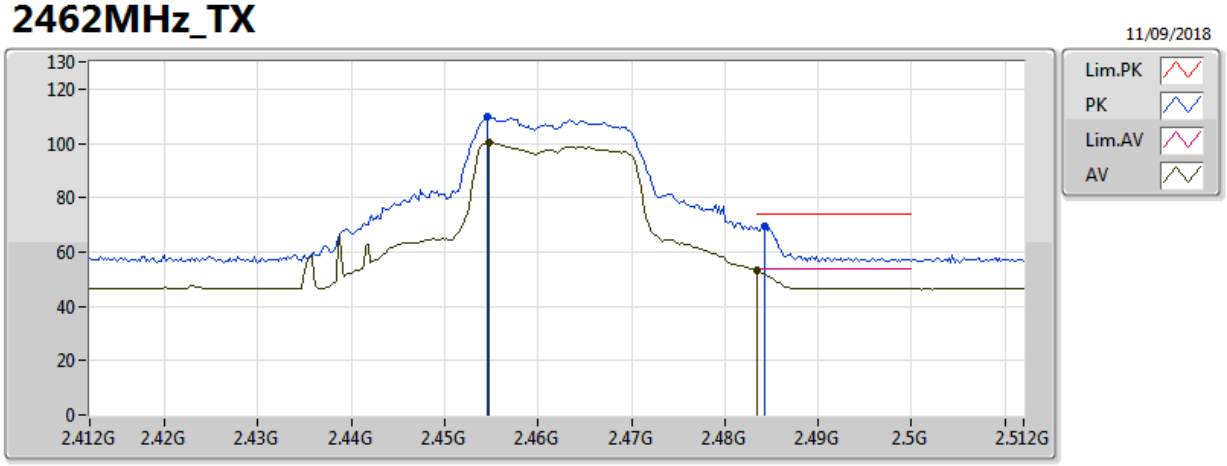


EUT Y_2TX
Setting 11/11
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4496G	111.73	Inf	-Inf	33.18	3	Horizontal	5	2.44	-
AV	2.45G	101.04	Inf	-Inf	33.18	3	Horizontal	5	2.44	-
PK	2.483502G	67.24	74.00	-6.76	33.18	3	Horizontal	5	2.44	-
AV	2.4842G	48.93	54.00	-5.07	33.18	3	Horizontal	5	2.44	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

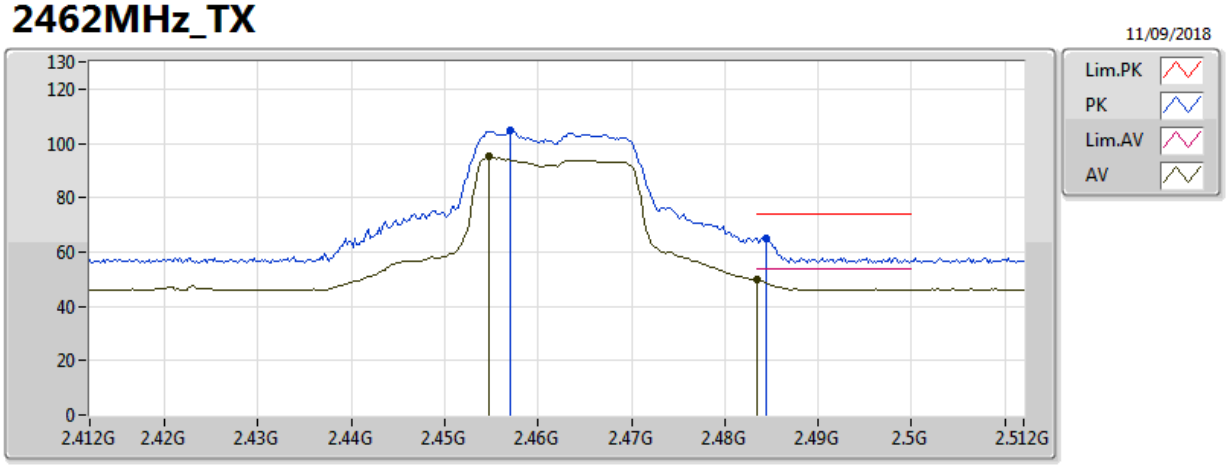


EUT Y_2TX
Setting 05/05
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4546G	110.04	Inf	-Inf	33.18	3	Vertical	355	2.02	-
AV	2.4548G	100.43	Inf	-Inf	33.18	3	Vertical	355	2.02	-
PK	2.4842G	69.26	74.00	-4.74	33.18	3	Vertical	355	2.02	-
AV	2.483502G	53.48	54.00	-0.52	33.18	3	Vertical	355	2.02	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

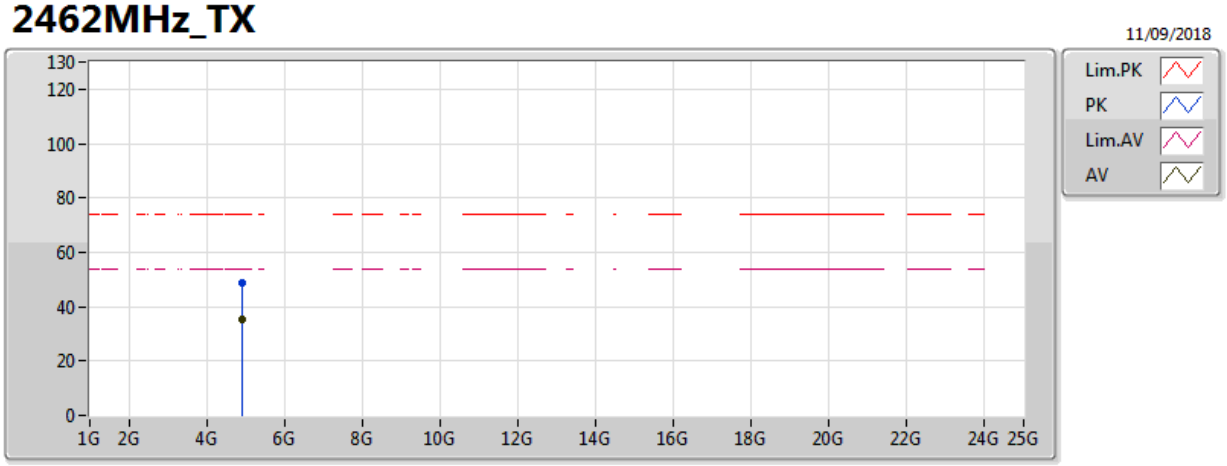


EUT Y_2TX
Setting 05/05
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.457G	104.60	Inf	-Inf	33.18	3	Horizontal	357	2.02	-
AV	2.4548G	95.07	Inf	-Inf	33.18	3	Horizontal	357	2.02	-
PK	2.4844G	65.10	74.00	-8.90	33.18	3	Horizontal	357	2.02	-
AV	2.483502G	49.72	54.00	-4.28	33.18	3	Horizontal	357	2.02	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

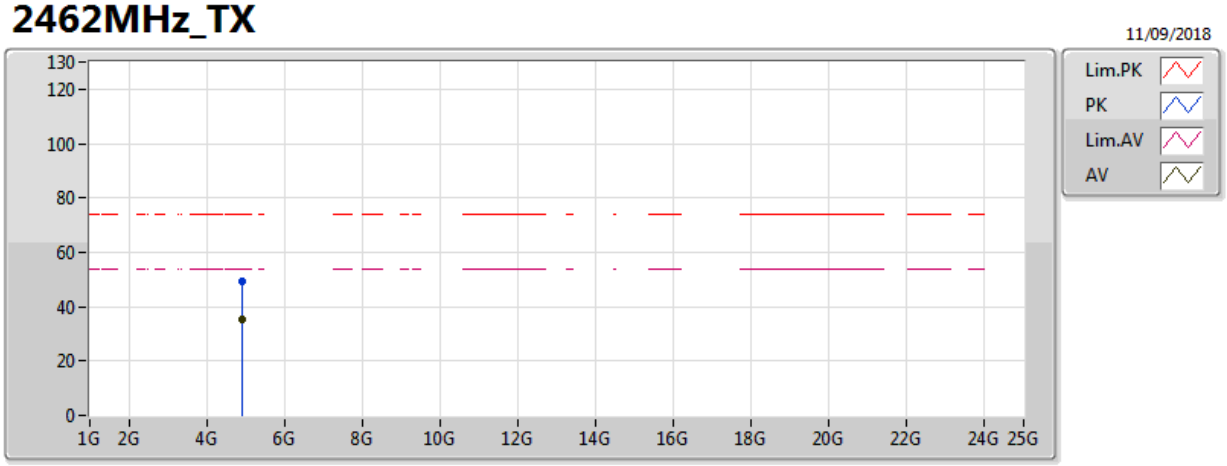


EUT Y_2TX
Setting 05/05
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92654G	48.82	74.00	-25.18	7.12	3	Vertical	59	1.77	-
AV	4.91968G	35.22	54.00	-18.78	7.10	3	Vertical	59	1.77	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

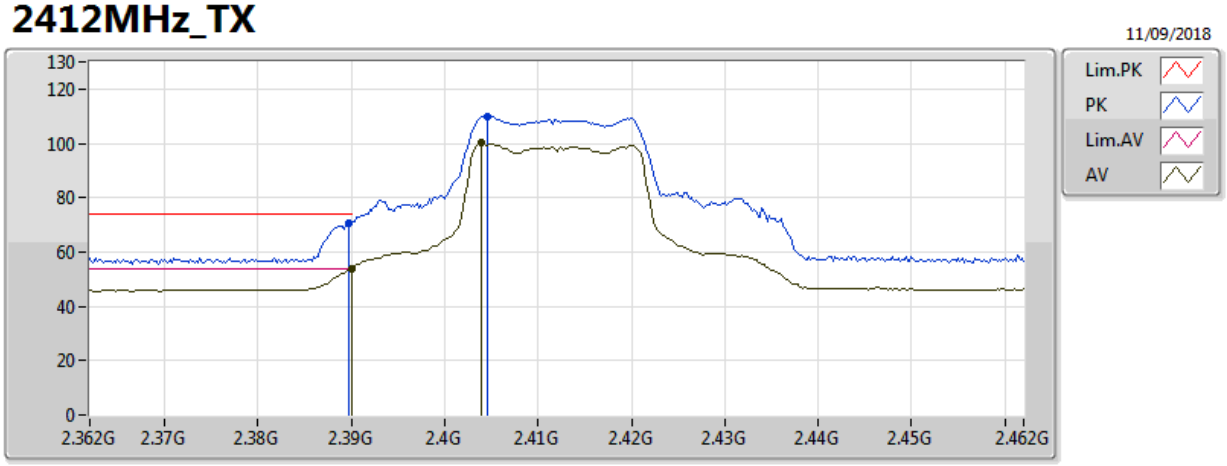


EUT Y_2TX
Setting 05/05
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92076G	49.52	74.00	-24.48	7.10	3	Horizontal	93	1.83	-
AV	4.92164G	35.12	54.00	-18.88	7.10	3	Horizontal	93	1.83	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

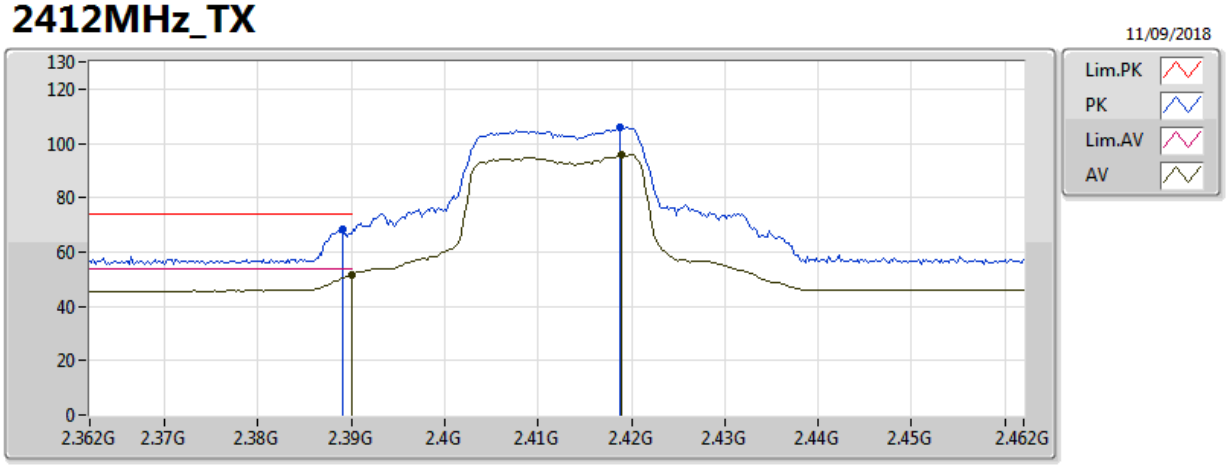


EUT Y_2TX
Setting 08/07
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.62	74.00	-3.38	33.17	3	Vertical	151	1.11	-
AV	2.389998G	53.95	54.00	-0.05	33.17	3	Vertical	151	1.11	-
PK	2.4046G	109.87	Inf	-Inf	33.17	3	Vertical	151	1.11	-
AV	2.404G	100.04	Inf	-Inf	33.17	3	Vertical	151	1.11	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

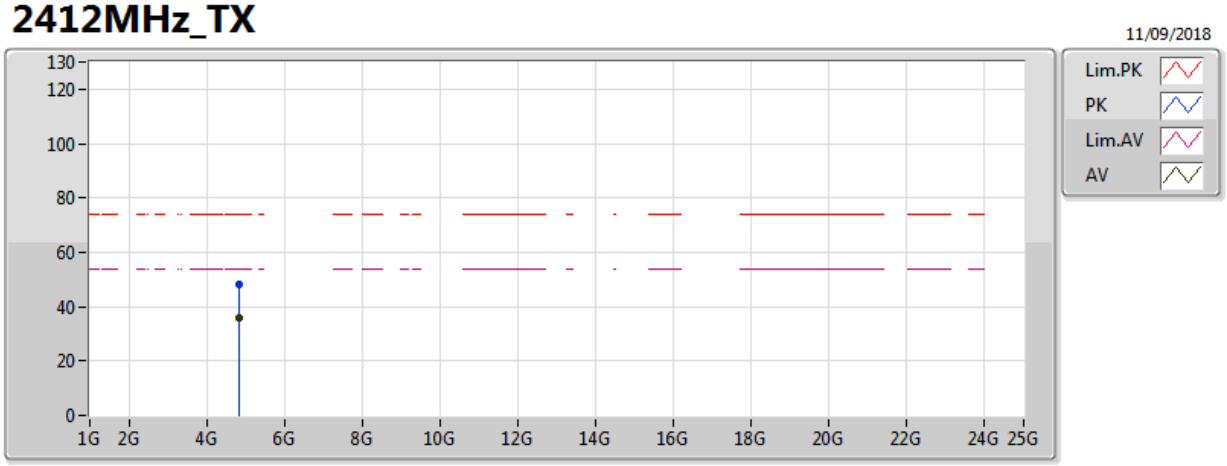


EUT Y_2TX
Setting 08/07
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	68.10	74.00	-5.90	33.17	3	Horizontal	177	1.69	-
AV	2.389998G	51.43	54.00	-2.57	33.17	3	Horizontal	177	1.69	-
PK	2.4188G	105.74	Inf	-Inf	33.17	3	Horizontal	177	1.69	-
AV	2.419G	95.83	Inf	-Inf	33.17	3	Horizontal	177	1.69	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

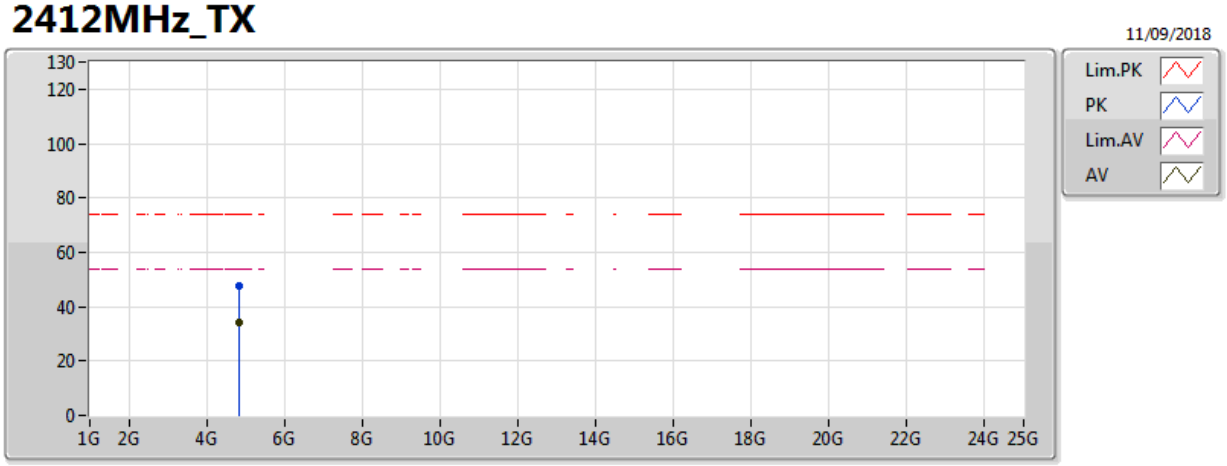


EUT Y_2TX
Setting 08/07
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.823432G	48.25	74.00	-25.75	6.87	3	Vertical	122	1.33	-
AV	4.824448G	35.68	54.00	-18.32	6.87	3	Vertical	122	1.33	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

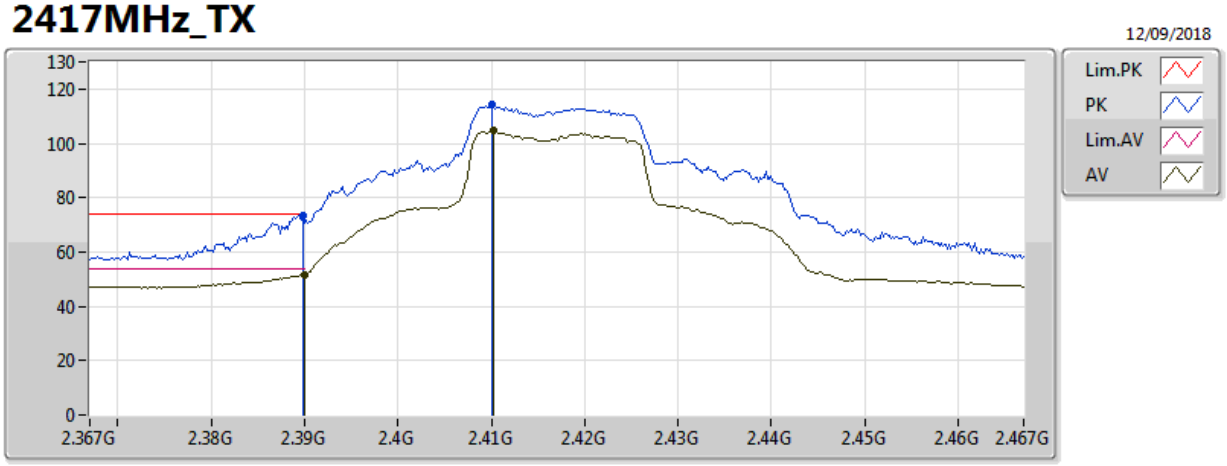


EUT Y_2TX
Setting 08/07
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.823148G	47.79	74.00	-26.21	6.87	3	Horizontal	155	1.76	-
AV	4.823536G	34.07	54.00	-19.93	6.87	3	Horizontal	155	1.76	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

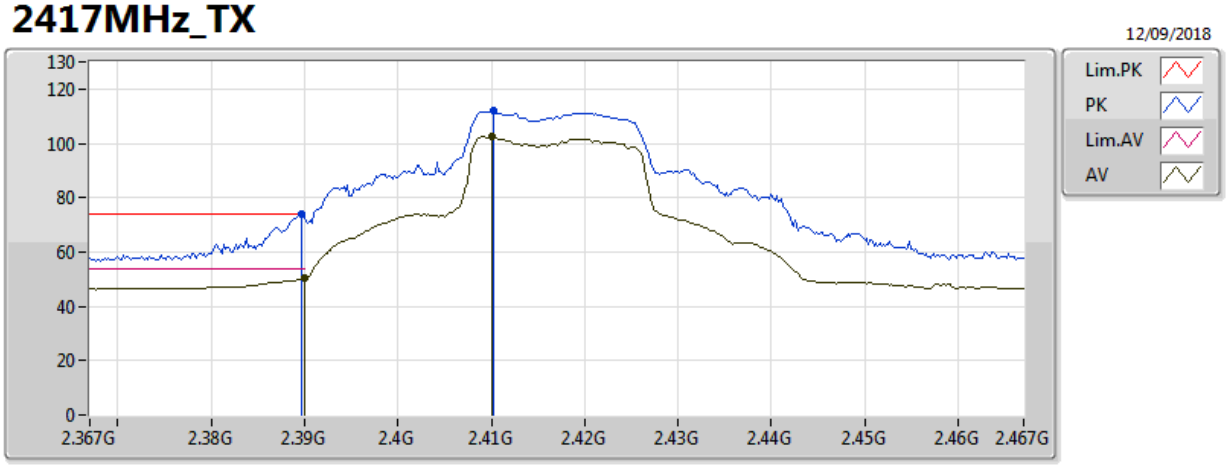


EUT Y_2TX
Setting 14/11
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	73.37	74.00	-0.63	33.17	3	Vertical	359	1.45	-
AV	2.389998G	51.46	54.00	-2.54	33.17	3	Vertical	359	1.45	-
PK	2.41G	114.17	Inf	-Inf	33.17	3	Vertical	359	1.45	-
AV	2.4102G	104.65	Inf	-Inf	33.17	3	Vertical	359	1.45	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

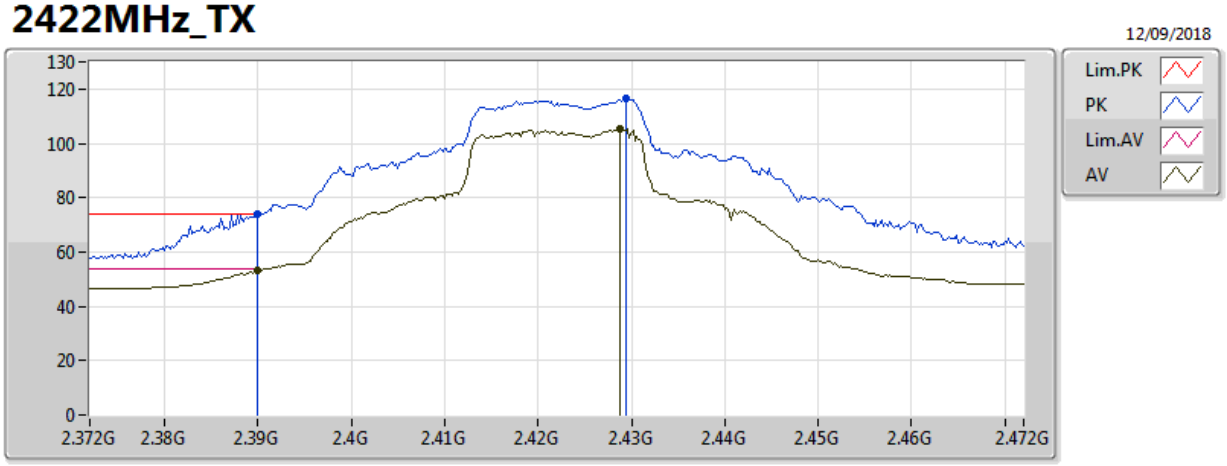


EUT Y_2TX
Setting 14/11
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	73.96	74.00	-0.04	33.17	3	Horizontal	354	2.34	-
AV	2.389998G	50.32	54.00	-3.68	33.17	3	Horizontal	354	2.34	-
PK	2.4102G	111.80	Inf	-Inf	33.17	3	Horizontal	354	2.34	-
AV	2.41G	102.55	Inf	-Inf	33.17	3	Horizontal	354	2.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

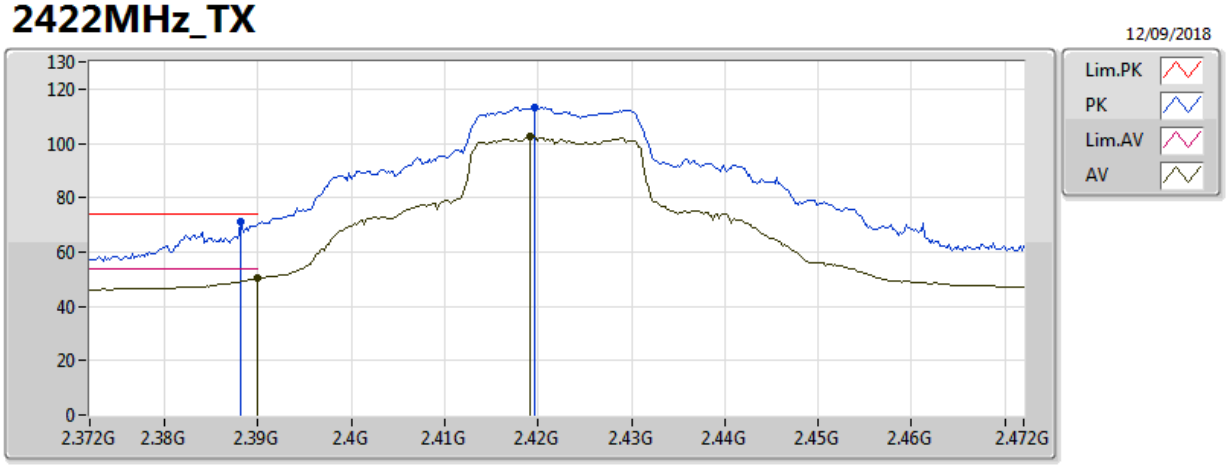


EUT Y_2TX
Setting 19/16
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	73.84	74.00	-0.16	33.17	3	Vertical	357	2.71	-
AV	2.389998G	53.11	54.00	-0.89	33.17	3	Vertical	357	2.71	-
PK	2.4294G	116.53	Inf	-Inf	33.18	3	Vertical	357	2.71	-
AV	2.4288G	105.30	Inf	-Inf	33.18	3	Vertical	357	2.71	-

802.11n HT20_Nss1,(MCS0)_2TX

2422MHz_TX

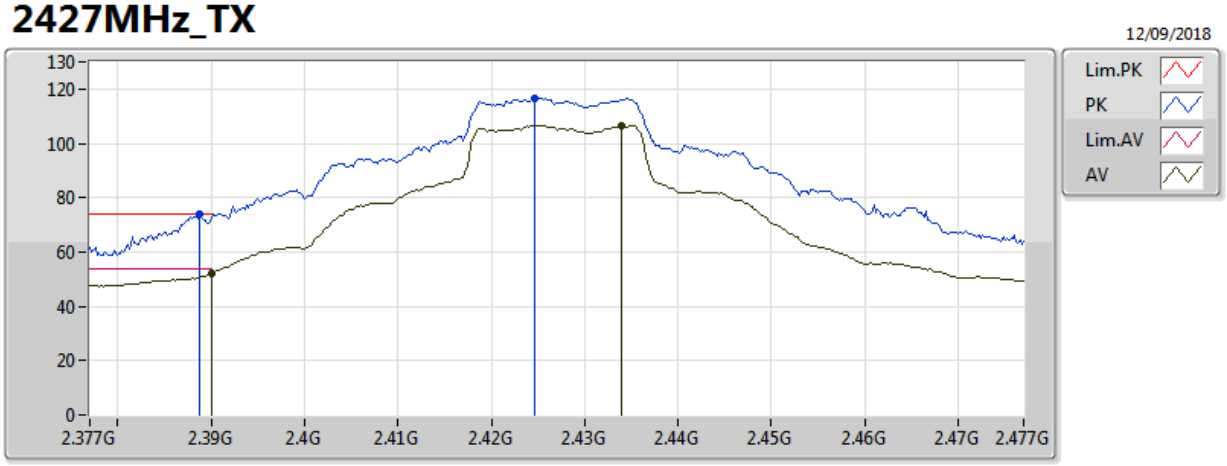


EUT Y_2TX
Setting 19/16
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	71.39	74.00	-2.61	33.17	3	Horizontal	357	2.26	-
AV	2.389998G	50.20	54.00	-3.80	33.17	3	Horizontal	357	2.26	-
PK	2.4196G	113.27	Inf	-Inf	33.17	3	Horizontal	357	2.26	-
AV	2.4192G	102.69	Inf	-Inf	33.17	3	Horizontal	357	2.26	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

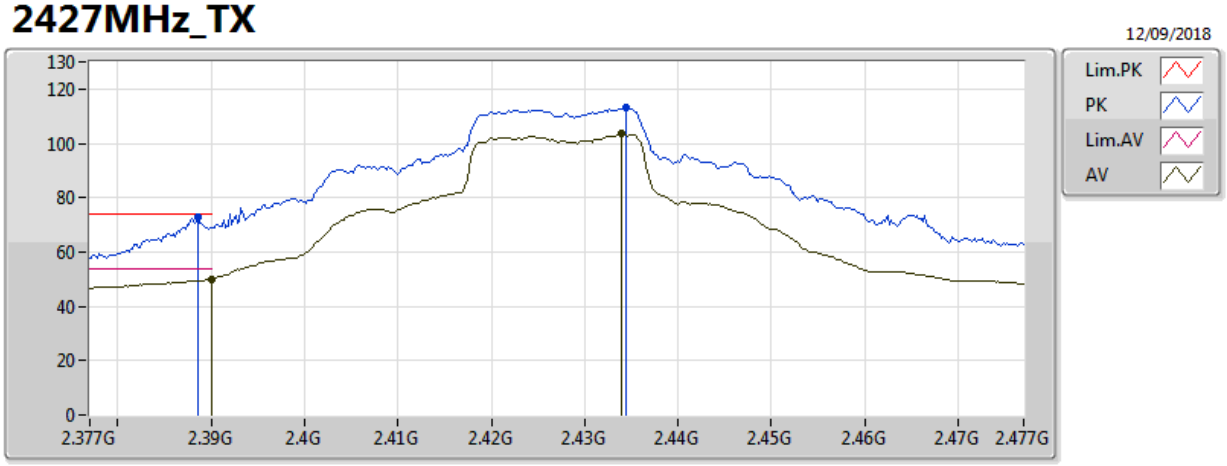


EUT Y_2TX
Setting 1D/1B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	73.92	74.00	-0.08	33.17	3	Vertical	356	2.72	-
AV	2.389998G	52.37	54.00	-1.63	33.17	3	Vertical	356	2.72	-
PK	2.4246G	116.59	Inf	-Inf	33.17	3	Vertical	356	2.72	-
AV	2.434G	106.70	Inf	-Inf	33.18	3	Vertical	356	2.72	-

802.11n HT20_Nss1,(MCS0)_2TX

2427MHz_TX

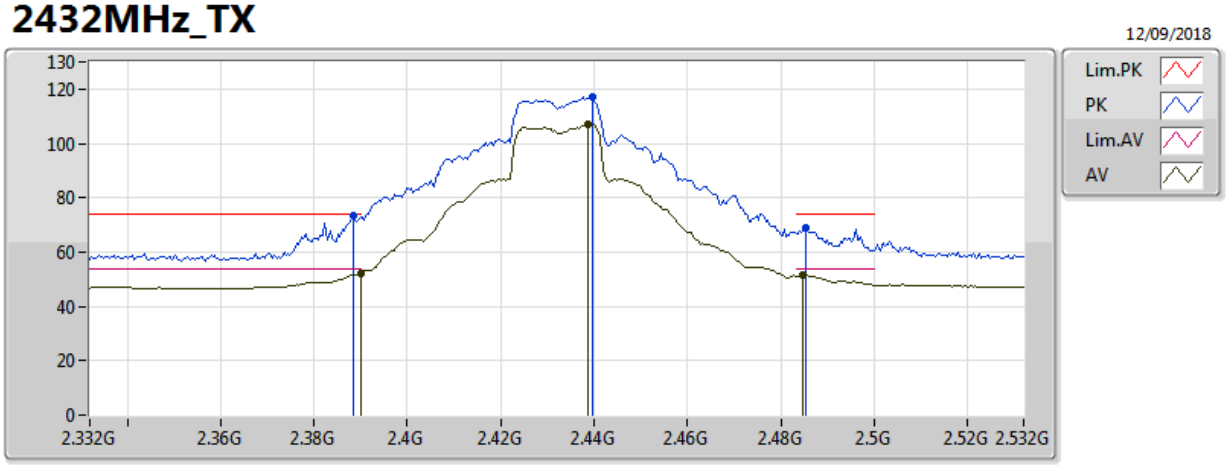


EUT Y_2TX
Setting 1D/1B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	72.61	74.00	-1.39	33.17	3	Horizontal	20	2.01	-
AV	2.389998G	49.88	54.00	-4.12	33.17	3	Horizontal	20	2.01	-
PK	2.4344G	113.37	Inf	-Inf	33.18	3	Horizontal	20	2.01	-
AV	2.434G	103.61	Inf	-Inf	33.18	3	Horizontal	20	2.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

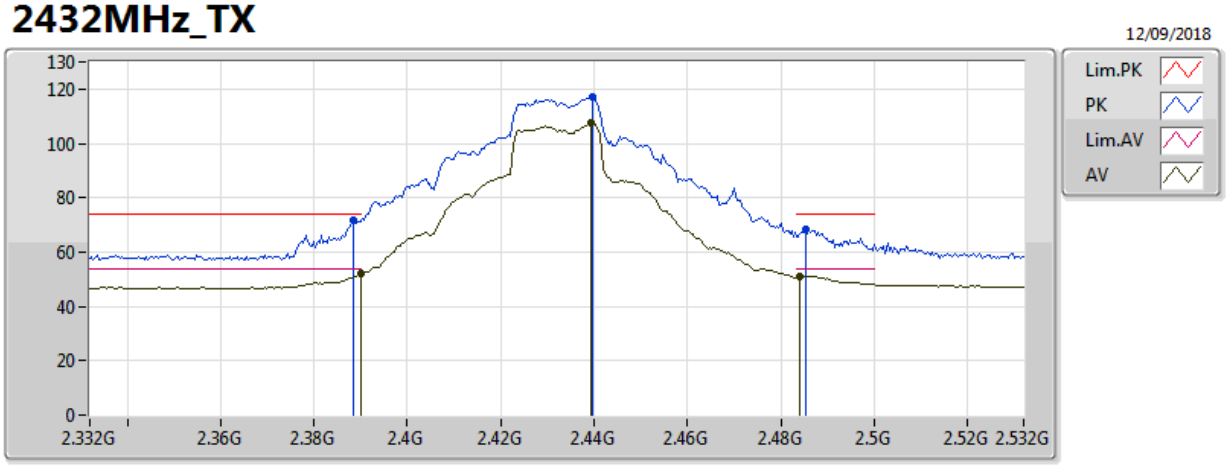


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	73.34	74.00	-0.66	33.17	3	Vertical	17	2.39	-
AV	2.389998G	52.17	54.00	-1.83	33.17	3	Vertical	17	2.39	-
PK	2.4396G	117.25	Inf	-Inf	33.18	3	Vertical	17	2.39	-
AV	2.4388G	107.19	Inf	-Inf	33.18	3	Vertical	17	2.39	-
PK	2.4852G	68.75	74.00	-5.25	33.18	3	Vertical	17	2.39	-
AV	2.4848G	51.47	54.00	-2.53	33.18	3	Vertical	17	2.39	-

802.11n HT20_Nss1,(MCS0)_2TX

2432MHz_TX

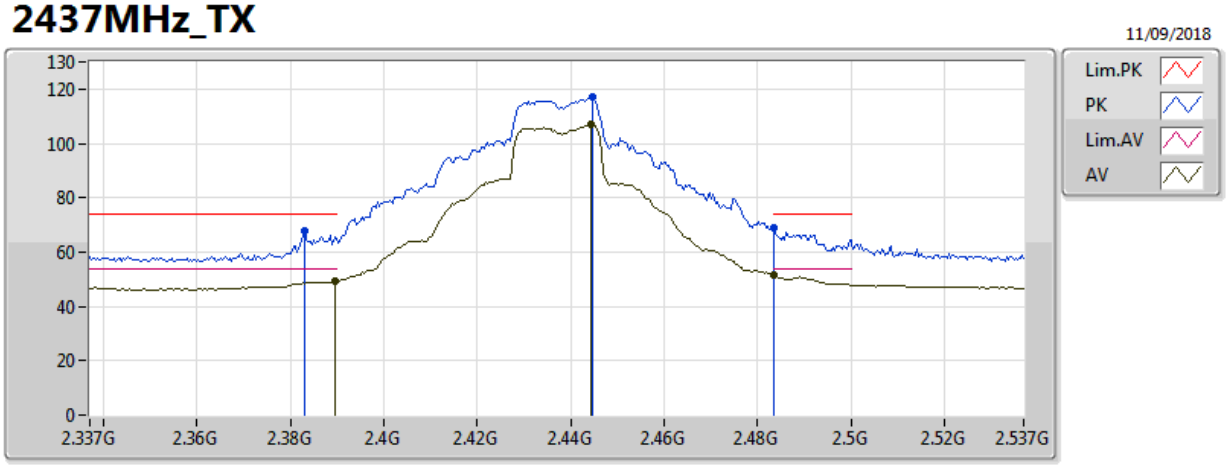


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	71.66	74.00	-2.34	33.17	3	Horizontal	0	2.41	-
AV	2.389998G	51.93	54.00	-2.07	33.17	3	Horizontal	0	2.41	-
PK	2.4396G	117.37	Inf	-Inf	33.18	3	Horizontal	0	2.41	-
AV	2.4392G	107.42	Inf	-Inf	33.18	3	Horizontal	0	2.41	-
PK	2.4852G	68.23	74.00	-5.77	33.18	3	Horizontal	0	2.41	-
AV	2.484G	51.11	54.00	-2.89	33.18	3	Horizontal	0	2.41	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

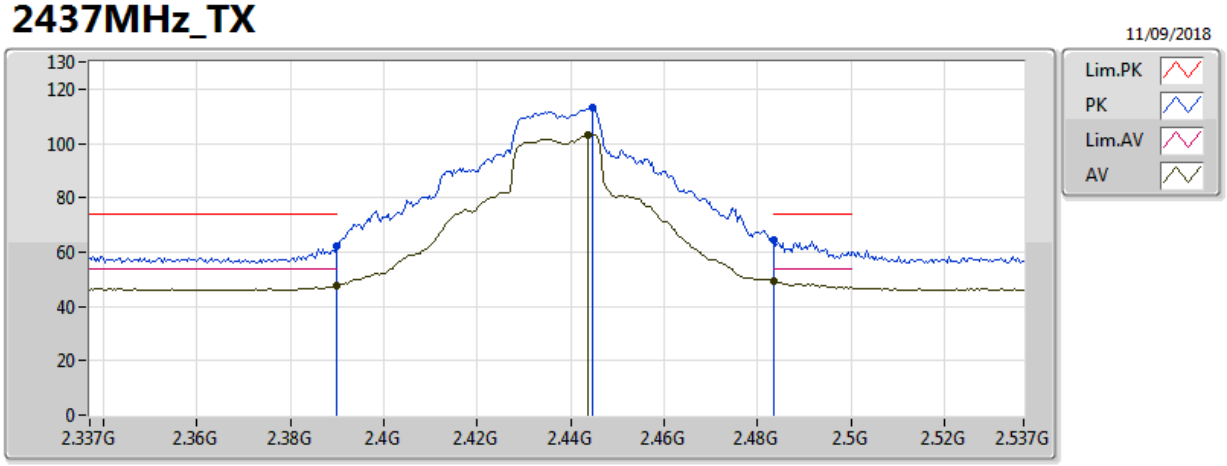


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.383G	67.58	74.00	-6.42	33.16	3	Vertical	6	2.41	-
AV	2.3894G	49.11	54.00	-4.89	33.17	3	Vertical	6	2.41	-
PK	2.4446G	117.24	Inf	-Inf	33.18	3	Vertical	6	2.41	-
AV	2.4442G	107.04	Inf	-Inf	33.18	3	Vertical	6	2.41	-
PK	2.483502G	68.72	74.00	-5.28	33.18	3	Vertical	6	2.41	-
AV	2.483502G	51.55	54.00	-2.45	33.18	3	Vertical	6	2.41	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

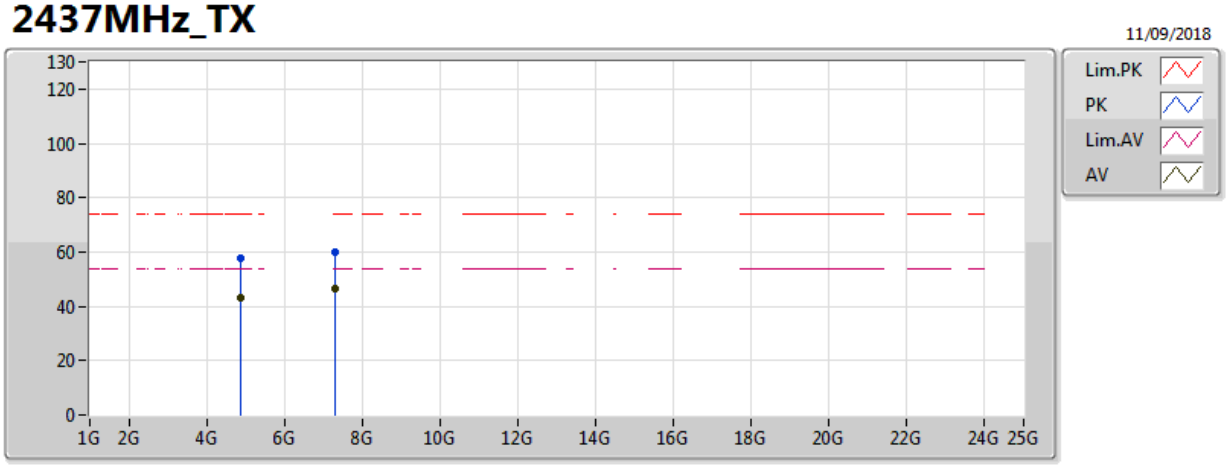


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	62.00	74.00	-12.00	33.17	3	Horizontal	337	2.44	-
AV	2.3898G	47.49	54.00	-6.51	33.17	3	Horizontal	337	2.44	-
PK	2.4446G	113.09	Inf	-Inf	33.18	3	Horizontal	337	2.44	-
AV	2.4438G	103.38	Inf	-Inf	33.18	3	Horizontal	337	2.44	-
PK	2.483502G	64.28	74.00	-9.72	33.18	3	Horizontal	337	2.44	-
AV	2.483502G	49.48	54.00	-4.52	33.18	3	Horizontal	337	2.44	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

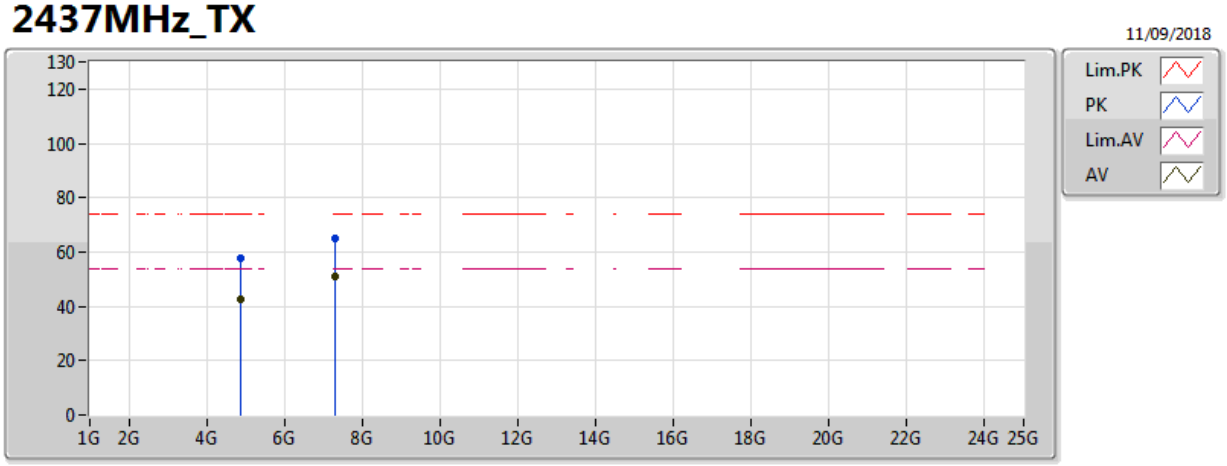


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8748G	57.76	74.00	-16.24	6.99	3	Vertical	285	1.77	-
AV	4.8742G	43.09	54.00	-10.91	6.99	3	Vertical	285	1.77	-
PK	7.3083G	60.22	74.00	-13.78	11.70	3	Vertical	360	1.53	-
AV	7.31118G	46.76	54.00	-7.24	11.70	3	Vertical	360	1.53	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

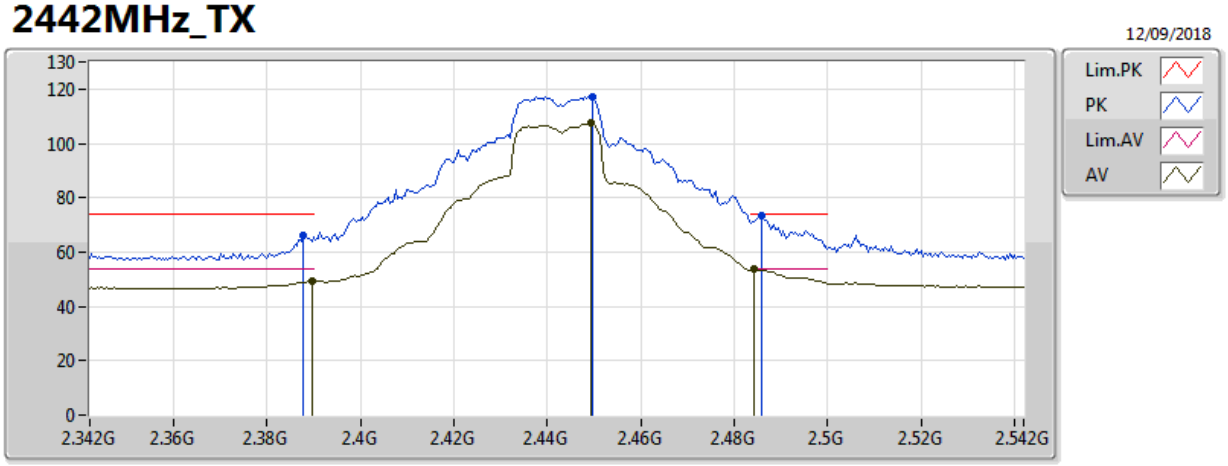


EUT Y_2TX
Setting 2F/2D
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8746G	57.47	74.00	-16.53	6.99	3	Horizontal	288	1.50	-
AV	4.87418G	42.54	54.00	-11.46	6.99	3	Horizontal	288	1.50	-
PK	7.30824G	65.01	74.00	-8.99	11.70	3	Horizontal	328	1.98	-
AV	7.30932G	50.86	54.00	-3.14	11.70	3	Horizontal	328	1.98	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

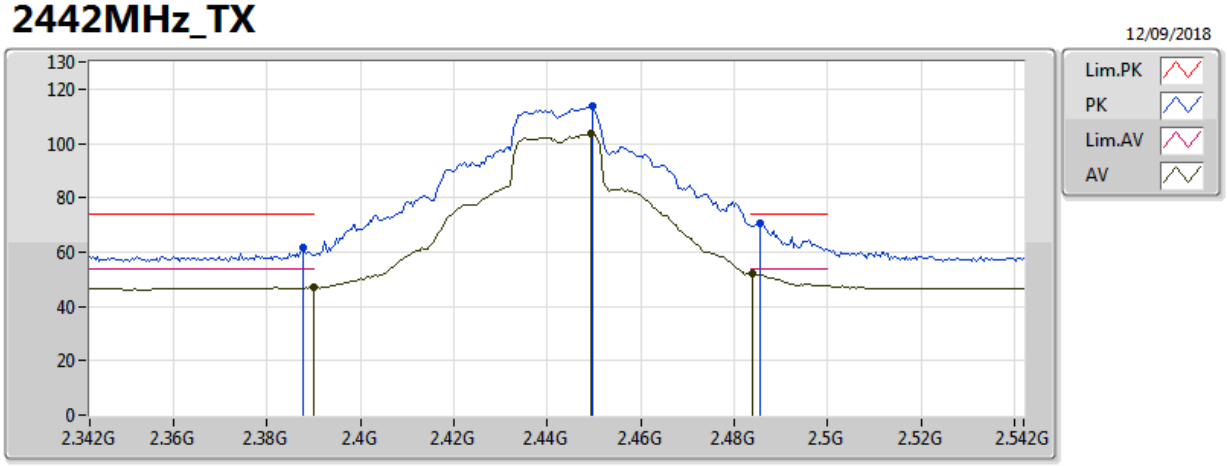


EUT Y_2TX
Setting 20/1E
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	66.32	74.00	-7.68	33.16	3	Vertical	13	2.40	-
AV	2.3896G	49.41	54.00	-4.59	33.17	3	Vertical	13	2.40	-
PK	2.4496G	117.09	Inf	-Inf	33.18	3	Vertical	13	2.40	-
AV	2.4492G	107.51	Inf	-Inf	33.18	3	Vertical	13	2.40	-
PK	2.486G	73.56	74.00	-0.44	33.19	3	Vertical	13	2.40	-
AV	2.4844G	53.61	54.00	-0.39	33.18	3	Vertical	13	2.40	-

802.11n HT20_Nss1,(MCS0)_2TX

2442MHz_TX

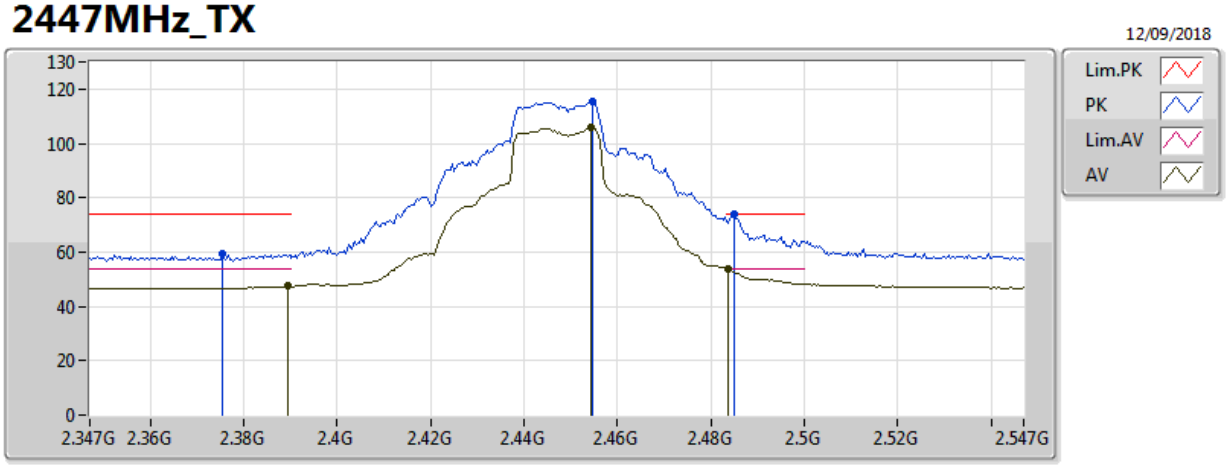


EUT Y_2TX
Setting 20/1E
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	61.70	74.00	-12.30	33.16	3	Horizontal	24	2.99	-
AV	2.389998G	46.95	54.00	-7.05	33.17	3	Horizontal	24	2.99	-
PK	2.4496G	113.55	Inf	-Inf	33.18	3	Horizontal	24	2.99	-
AV	2.4492G	103.80	Inf	-Inf	33.18	3	Horizontal	24	2.99	-
PK	2.4856G	70.61	74.00	-3.39	33.19	3	Horizontal	24	2.99	-
AV	2.484G	51.94	54.00	-2.06	33.18	3	Horizontal	24	2.99	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

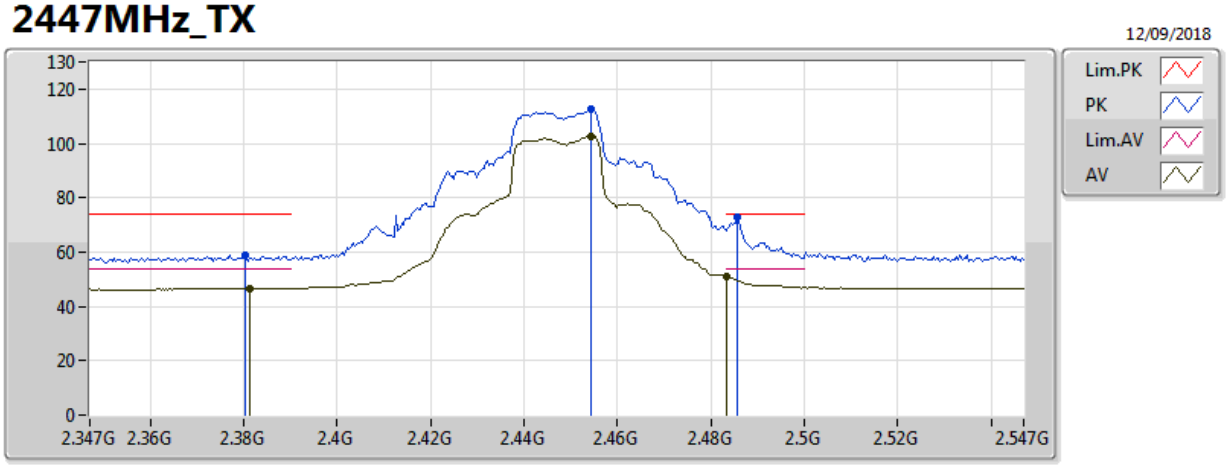


EUT Y_2TX
Setting 19/17
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3754G	59.14	74.00	-14.86	33.16	3	Vertical	0	2.36	-
AV	2.3894G	47.37	54.00	-6.63	33.17	3	Vertical	0	2.36	-
PK	2.4546G	115.51	Inf	-Inf	33.18	3	Vertical	0	2.36	-
AV	2.4542G	105.73	Inf	-Inf	33.18	3	Vertical	0	2.36	-
PK	2.485G	73.85	74.00	-0.15	33.18	3	Vertical	0	2.36	-
AV	2.4838G	53.70	54.00	-0.30	33.18	3	Vertical	0	2.36	-

802.11n HT20_Nss1,(MCS0)_2TX

2447MHz_TX

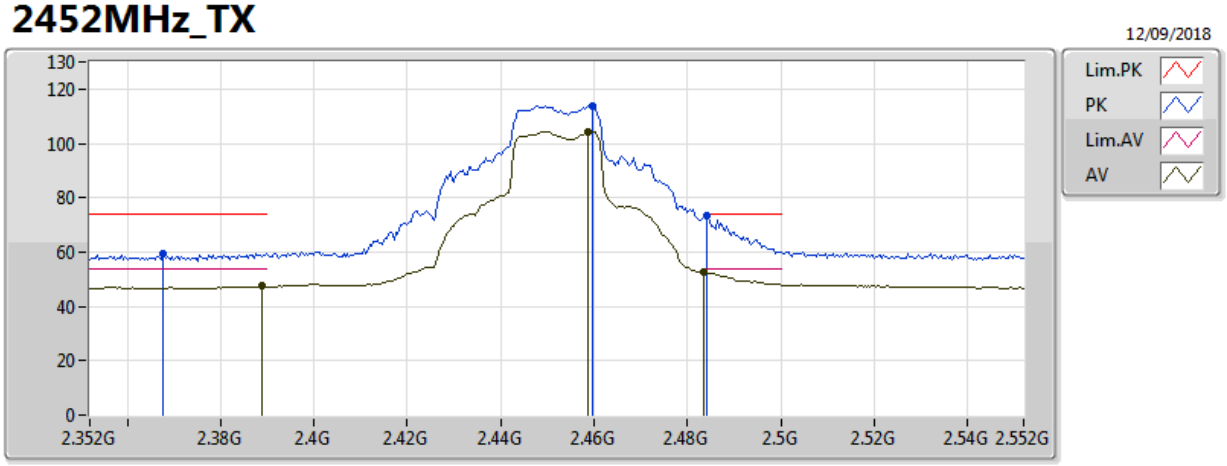


EUT Y_2TX
Setting 19/17
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3802G	58.94	74.00	-15.06	33.16	3	Horizontal	5	2.22	-
AV	2.3814G	46.73	54.00	-7.27	33.16	3	Horizontal	5	2.22	-
PK	2.4542G	112.50	Inf	-Inf	33.18	3	Horizontal	5	2.22	-
AV	2.4542G	102.81	Inf	-Inf	33.18	3	Horizontal	5	2.22	-
PK	2.4858G	72.83	74.00	-1.17	33.19	3	Horizontal	5	2.22	-
AV	2.483502G	50.83	54.00	-3.17	33.18	3	Horizontal	5	2.22	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

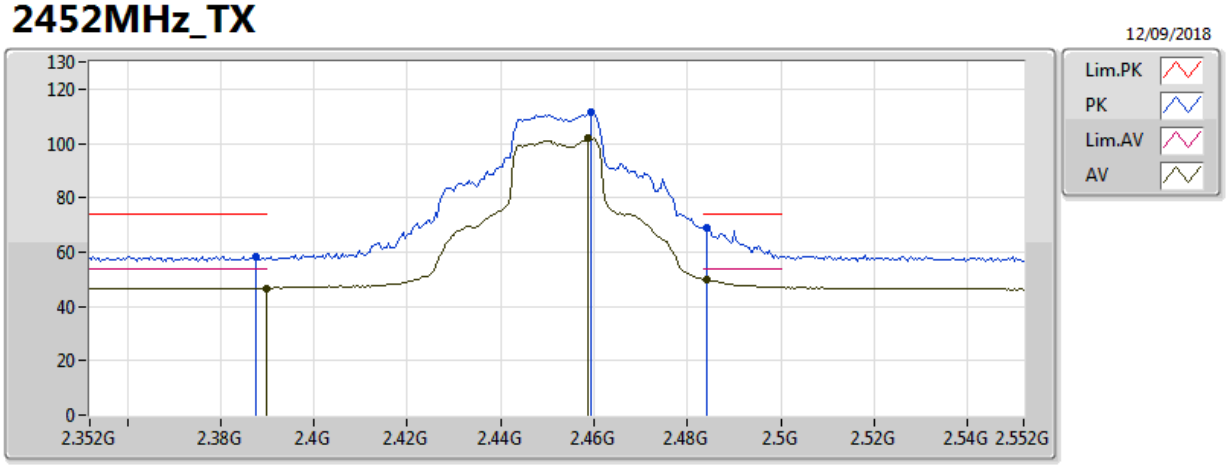


EUT Y_2TX
Setting 14/14
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3676G	59.42	74.00	-14.58	33.15	3	Vertical	1	2.35	-
AV	2.3888G	47.58	54.00	-6.42	33.17	3	Vertical	1	2.35	-
PK	2.4596G	113.98	Inf	-Inf	33.18	3	Vertical	1	2.35	-
AV	2.4588G	104.32	Inf	-Inf	33.18	3	Vertical	1	2.35	-
PK	2.484G	73.30	74.00	-0.70	33.18	3	Vertical	1	2.35	-
AV	2.483502G	52.83	54.00	-1.17	33.18	3	Vertical	1	2.35	-

802.11n HT20_Nss1,(MCS0)_2TX

2452MHz_TX

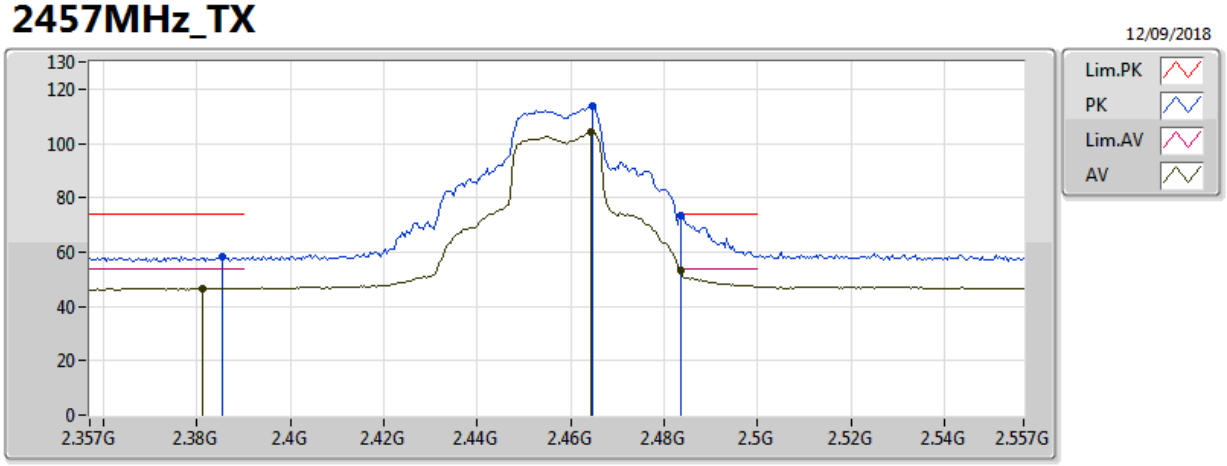


EUT Y_2TX
Setting 14/14
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	58.48	74.00	-15.52	33.16	3	Horizontal	359	2.45	-
AV	2.389998G	46.75	54.00	-7.25	33.17	3	Horizontal	359	2.45	-
PK	2.4592G	111.57	Inf	-Inf	33.18	3	Horizontal	359	2.45	-
AV	2.4588G	101.93	Inf	-Inf	33.18	3	Horizontal	359	2.45	-
PK	2.484G	69.18	74.00	-4.82	33.18	3	Horizontal	359	2.45	-
AV	2.484G	49.99	54.00	-4.01	33.18	3	Horizontal	359	2.45	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

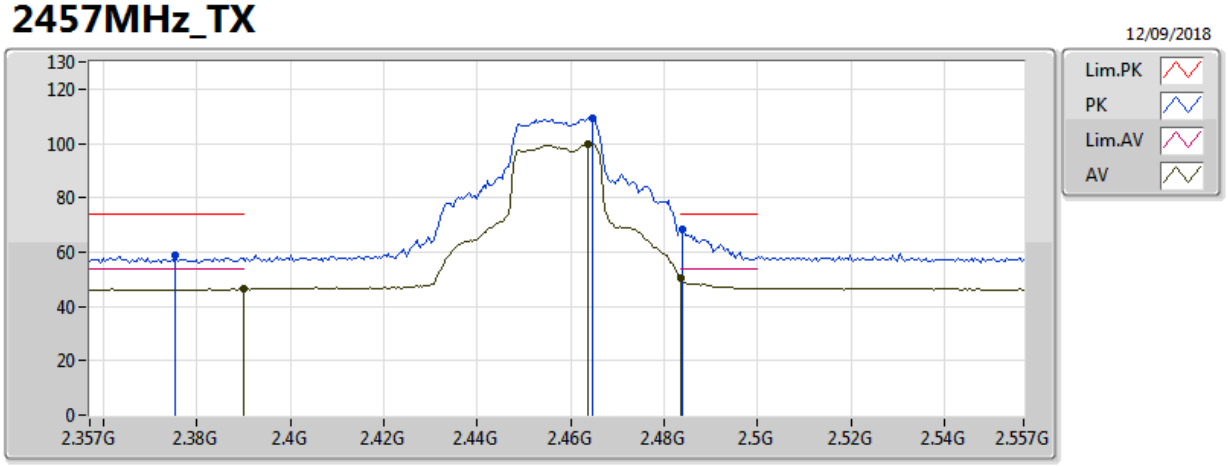


EUT Y_2TX
Setting 10/10
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3854G	58.34	74.00	-15.66	33.16	3	Vertical	0	2.61	-
AV	2.381G	46.61	54.00	-7.39	33.16	3	Vertical	0	2.61	-
PK	2.4646G	113.56	Inf	-Inf	33.18	3	Vertical	0	2.61	-
AV	2.4642G	104.05	Inf	-Inf	33.18	3	Vertical	0	2.61	-
PK	2.483502G	73.40	74.00	-0.60	33.18	3	Vertical	0	2.61	-
AV	2.483502G	53.13	54.00	-0.87	33.18	3	Vertical	0	2.61	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

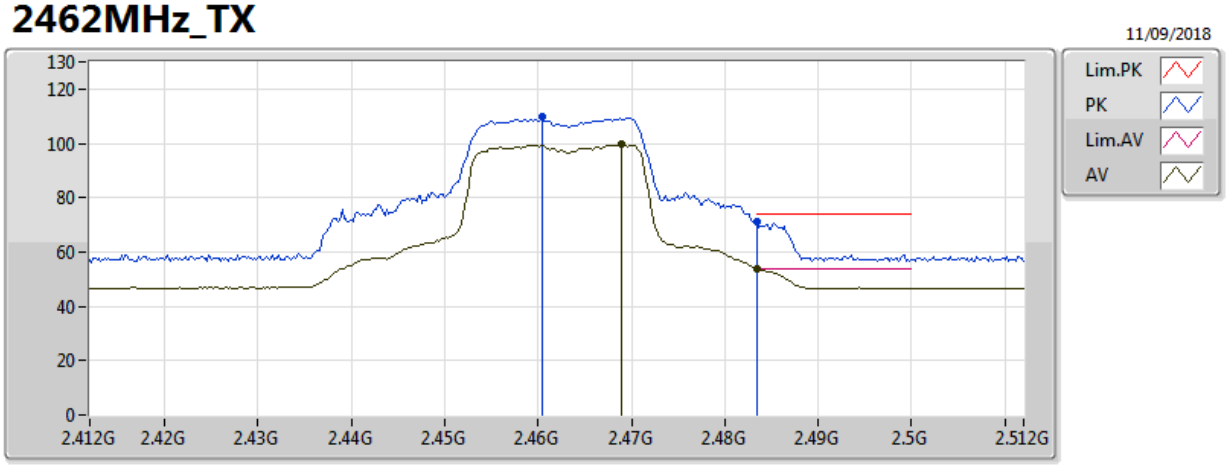


EUT Y_2TX
Setting 10/10
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3754G	58.95	74.00	-15.05	33.16	3	Horizontal	346	2.43	-
AV	2.3898G	46.38	54.00	-7.62	33.17	3	Horizontal	346	2.43	-
PK	2.4646G	109.37	Inf	-Inf	33.18	3	Horizontal	346	2.43	-
AV	2.4638G	100.01	Inf	-Inf	33.18	3	Horizontal	346	2.43	-
PK	2.4838G	68.54	74.00	-5.46	33.18	3	Horizontal	346	2.43	-
AV	2.483502G	50.24	54.00	-3.76	33.18	3	Horizontal	346	2.43	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

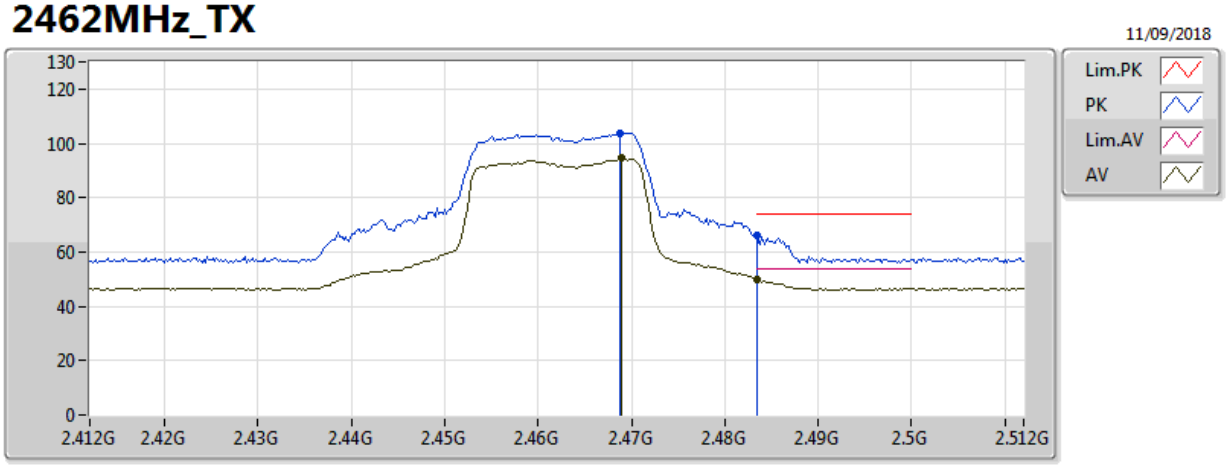


EUT Y_2TX
Setting 04/04
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4604G	110.03	Inf	-Inf	33.18	3	Vertical	188	2.67	-
AV	2.469G	99.95	Inf	-Inf	33.18	3	Vertical	188	2.67	-
PK	2.483502G	71.37	74.00	-2.63	33.18	3	Vertical	188	2.67	-
AV	2.483502G	53.74	54.00	-0.26	33.18	3	Vertical	188	2.67	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

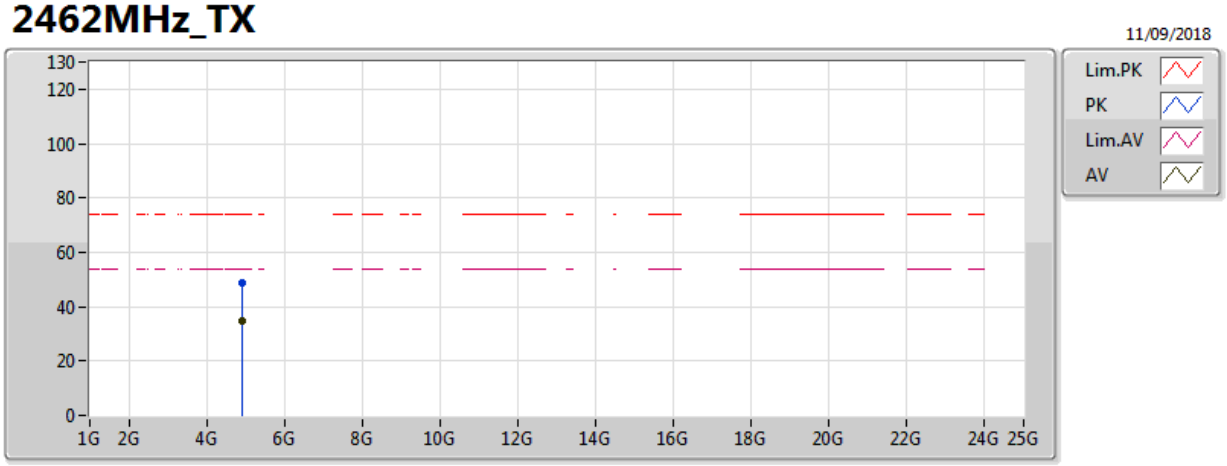


EUT Y_2TX
Setting 04/04
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4688G	103.93	Inf	-Inf	33.18	3	Horizontal	184	1.86	-
AV	2.469G	94.52	Inf	-Inf	33.18	3	Horizontal	184	1.86	-
PK	2.483502G	65.86	74.00	-8.14	33.18	3	Horizontal	184	1.86	-
AV	2.483502G	50.03	54.00	-3.97	33.18	3	Horizontal	184	1.86	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

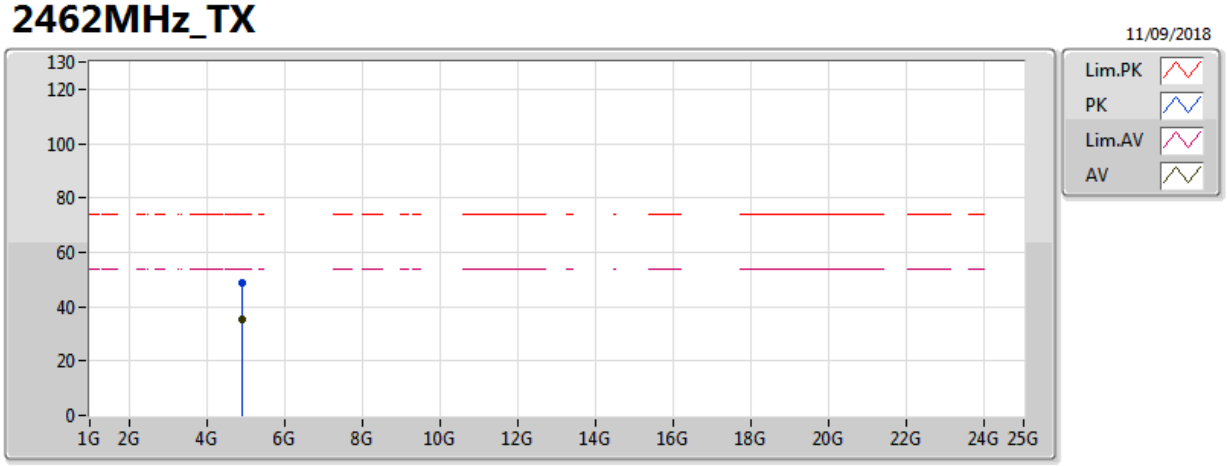


EUT Y_2TX
Setting 04/04
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.923732G	48.74	74.00	-25.26	7.11	3	Vertical	318	1.59	-
AV	4.924344G	35.01	54.00	-18.99	7.11	3	Vertical	318	1.59	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

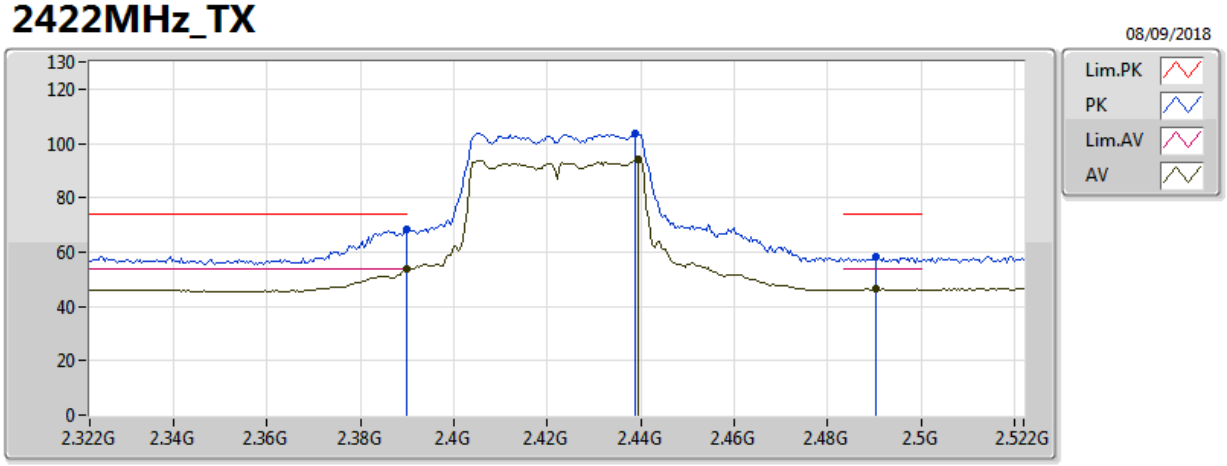


EUT Y_2TX
Setting 04/04
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92472G	48.86	74.00	-25.14	7.11	3	Horizontal	226	1.33	-
AV	4.924312G	35.18	54.00	-18.82	7.11	3	Horizontal	226	1.33	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

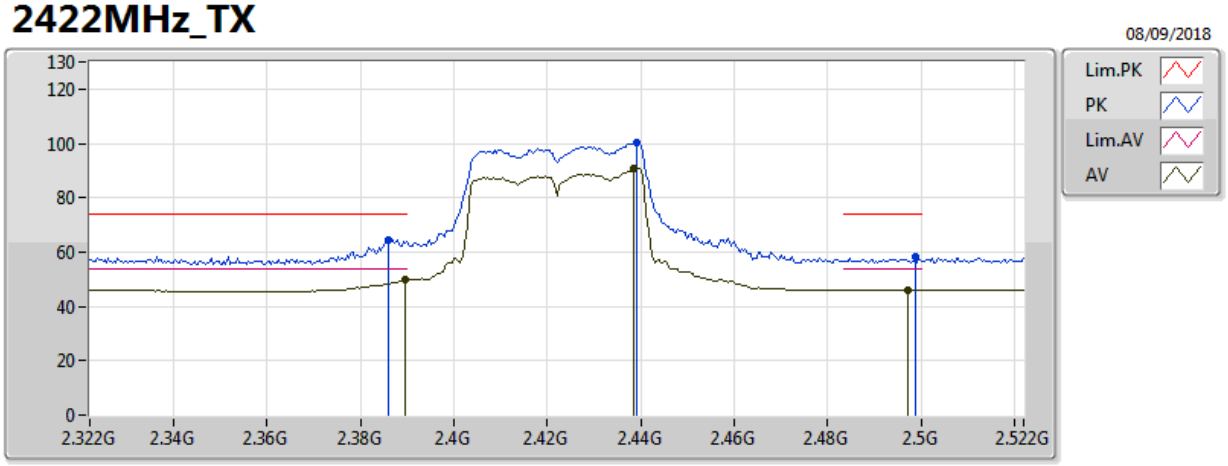


EUT Y_2TX
Setting 05/02
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	68.18	74.00	-5.82	33.17	3	Vertical	153	1.28	-
AV	2.389998G	53.73	54.00	-0.27	33.17	3	Vertical	153	1.28	-
PK	2.4388G	103.86	Inf	-Inf	33.18	3	Vertical	153	1.28	-
AV	2.4396G	94.08	Inf	-Inf	33.18	3	Vertical	153	1.28	-
PK	2.4904G	58.04	74.00	-15.96	33.18	3	Vertical	153	1.28	-
AV	2.4904G	46.32	54.00	-7.68	33.18	3	Vertical	153	1.28	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

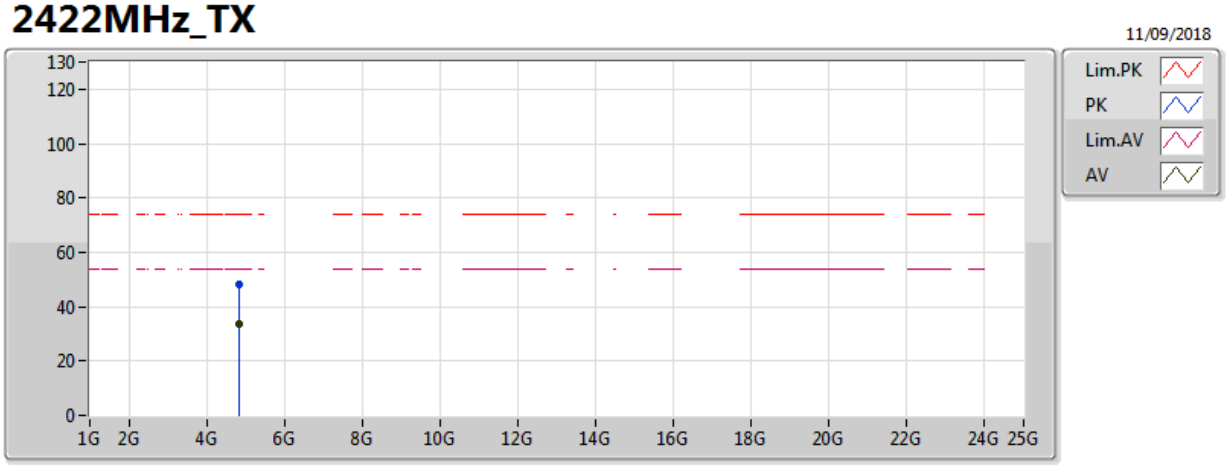


EUT Y_2TX
Setting 05/02
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	64.52	74.00	-9.48	33.16	3	Horizontal	186	2.44	-
AV	2.3896G	49.89	54.00	-4.11	33.17	3	Horizontal	186	2.44	-
PK	2.4392G	100.56	Inf	-Inf	33.18	3	Horizontal	186	2.44	-
AV	2.4384G	90.77	Inf	-Inf	33.18	3	Horizontal	186	2.44	-
PK	2.4988G	58.02	74.00	-15.98	33.19	3	Horizontal	186	2.44	-
AV	2.4972G	45.96	54.00	-8.04	33.19	3	Horizontal	186	2.44	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

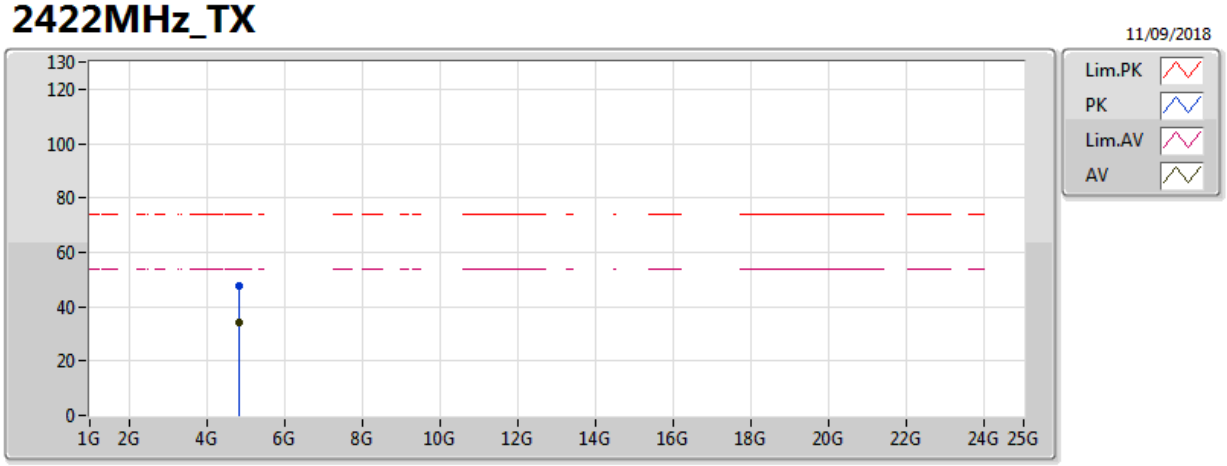


EUT Y_2TX
Setting 05/02
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.844492G	47.94	74.00	-26.06	6.92	3	Vertical	256	1.49	-
AV	4.843028G	33.86	54.00	-20.14	6.91	3	Vertical	256	1.49	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

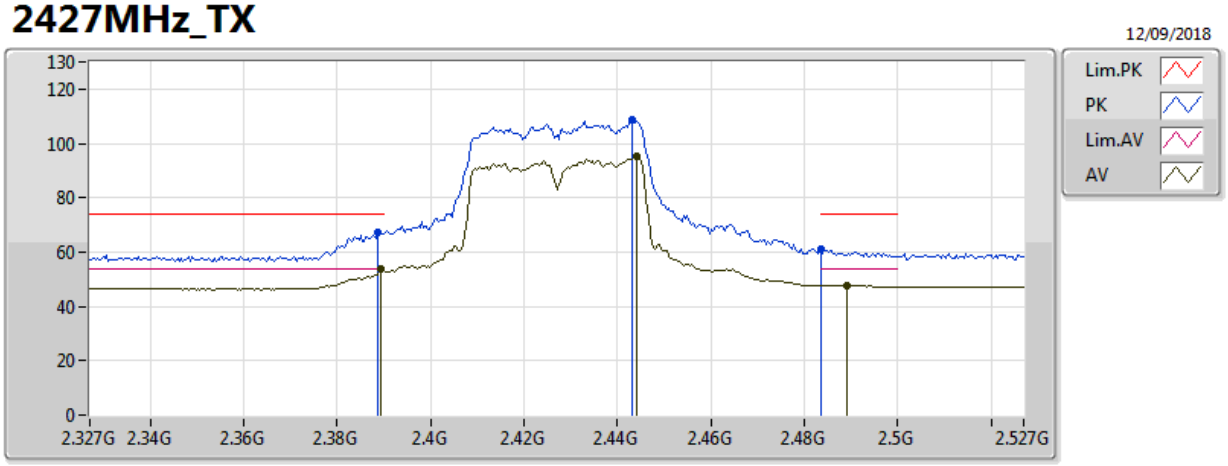


EUT Y_2TX
Setting 05/02
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.843708G	47.45	74.00	-26.55	6.91	3	Horizontal	203	1.75	-
AV	4.843108G	33.92	54.00	-20.08	6.91	3	Horizontal	203	1.75	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

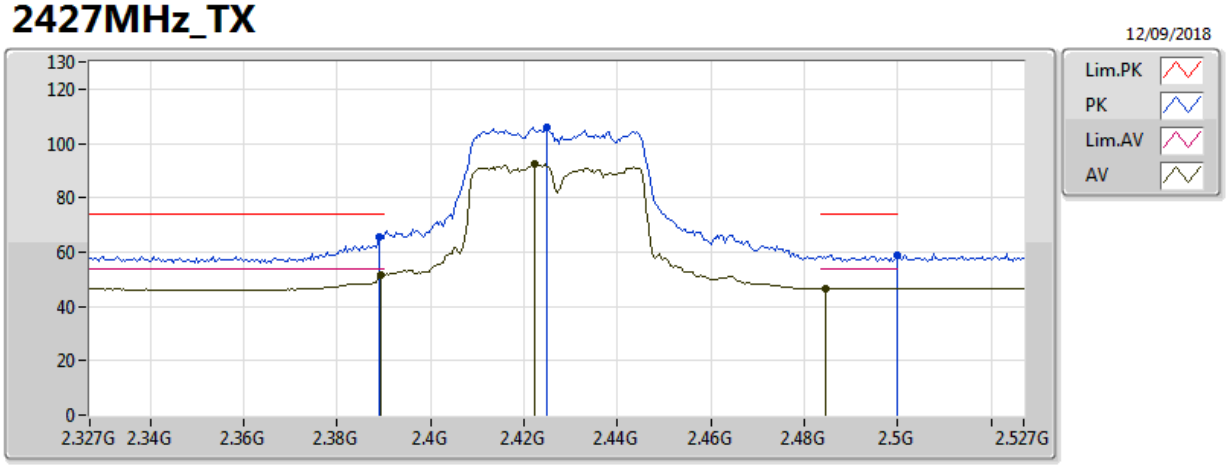


EUT Y_2TX
Setting 0D/0B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	67.28	74.00	-6.72	33.16	3	Vertical	359	2.37	-
AV	2.3894G	53.66	54.00	-0.34	33.16	3	Vertical	359	2.37	-
PK	2.443G	108.45	Inf	-Inf	33.18	3	Vertical	359	2.37	-
AV	2.4442G	95.12	Inf	-Inf	33.18	3	Vertical	359	2.37	-
PK	2.483502G	60.87	74.00	-13.13	33.19	3	Vertical	359	2.37	-
AV	2.489G	47.74	54.00	-6.26	33.19	3	Vertical	359	2.37	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

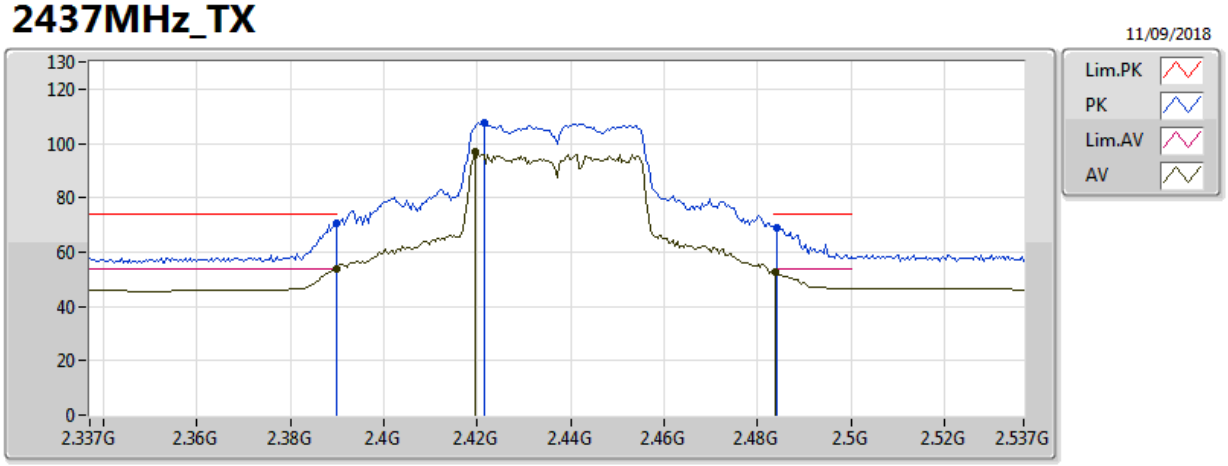


EUT Y_2TX
Setting 0D/0B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	65.68	74.00	-8.32	33.17	3	Horizontal	357	2.26	-
AV	2.3894G	51.38	54.00	-2.62	33.17	3	Horizontal	357	2.26	-
PK	2.425G	105.85	Inf	-Inf	33.17	3	Horizontal	357	2.26	-
AV	2.4222G	92.60	Inf	-Inf	33.17	3	Horizontal	357	2.26	-
PK	2.4998G	58.64	74.00	-15.36	33.19	3	Horizontal	357	2.26	-
AV	2.4846G	46.60	54.00	-7.40	33.18	3	Horizontal	357	2.26	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

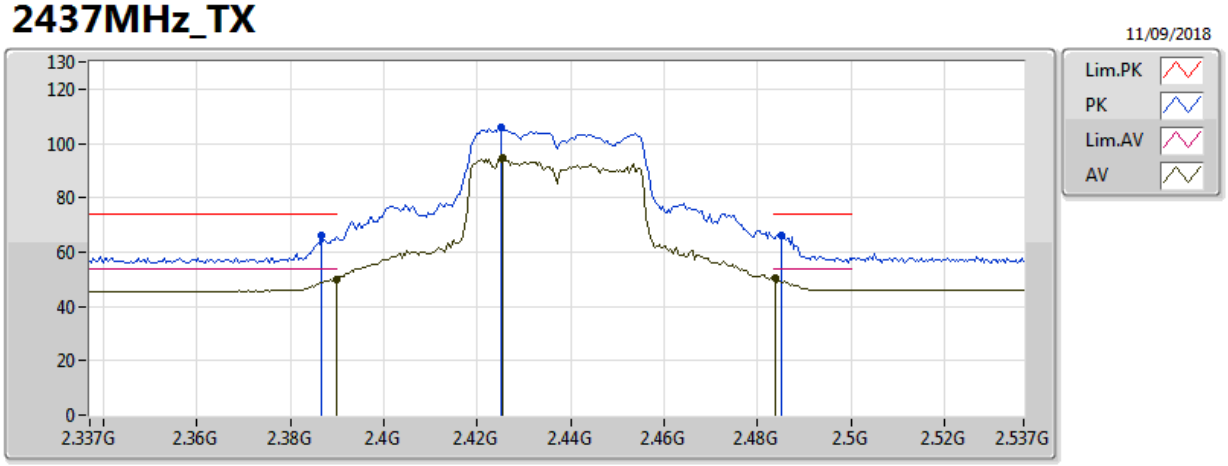


EUT Y_2TX
Setting 0D/0B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.69	74.00	-3.31	33.17	3	Vertical	18	1.50	-
AV	2.3898G	53.81	54.00	-0.19	33.17	3	Vertical	18	1.50	-
PK	2.4214G	107.45	Inf	-Inf	33.17	3	Vertical	18	1.50	-
AV	2.4194G	96.67	Inf	-Inf	33.17	3	Vertical	18	1.50	-
PK	2.4842G	68.99	74.00	-5.01	33.18	3	Vertical	18	1.50	-
AV	2.4838G	52.71	54.00	-1.29	33.18	3	Vertical	18	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

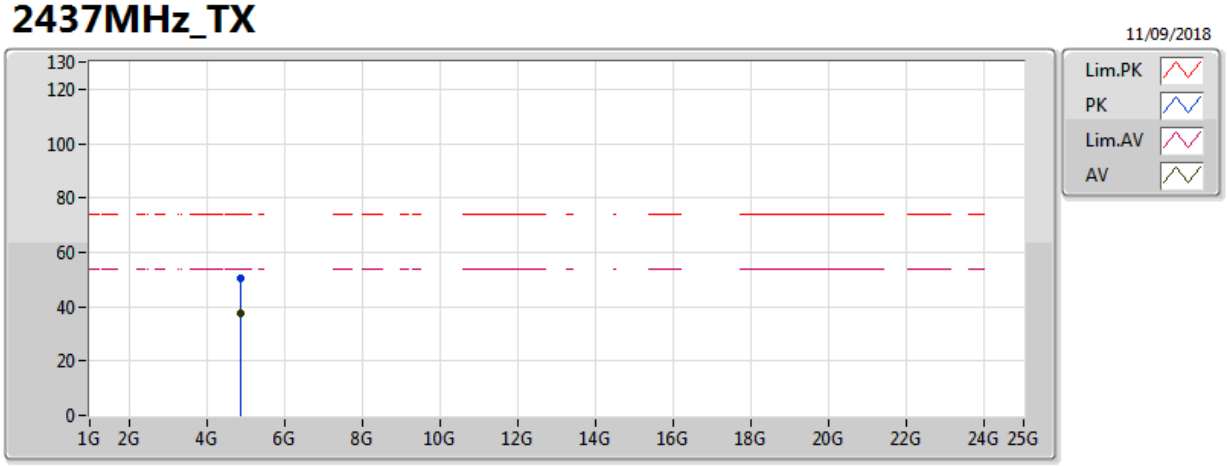


EUT Y_2TX
Setting 0D/0B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3866G	66.34	74.00	-7.66	33.16	3	Horizontal	347	1.82	-
AV	2.3898G	49.74	54.00	-4.26	33.17	3	Horizontal	347	1.82	-
PK	2.425G	105.76	Inf	-Inf	33.17	3	Horizontal	347	1.82	-
AV	2.4254G	94.79	Inf	-Inf	33.18	3	Horizontal	347	1.82	-
PK	2.485G	66.27	74.00	-7.73	33.18	3	Horizontal	347	1.82	-
AV	2.4838G	50.17	54.00	-3.83	33.18	3	Horizontal	347	1.82	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

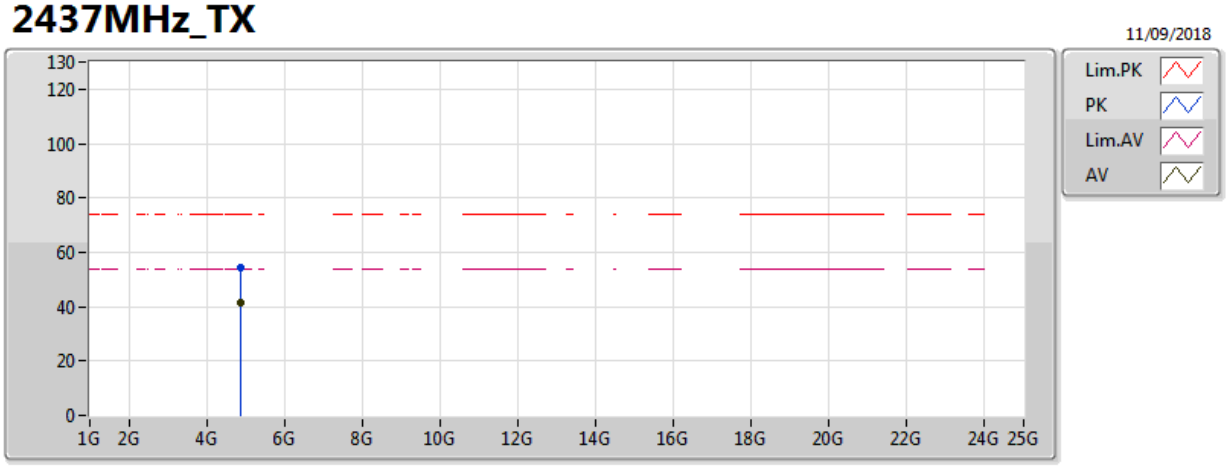


EUT Y_2TX
Setting 0D/0B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.874088G	50.68	74.00	-23.32	6.99	3	Vertical	151	2.18	-
AV	4.87498G	37.54	54.00	-16.46	6.99	3	Vertical	151	2.18	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

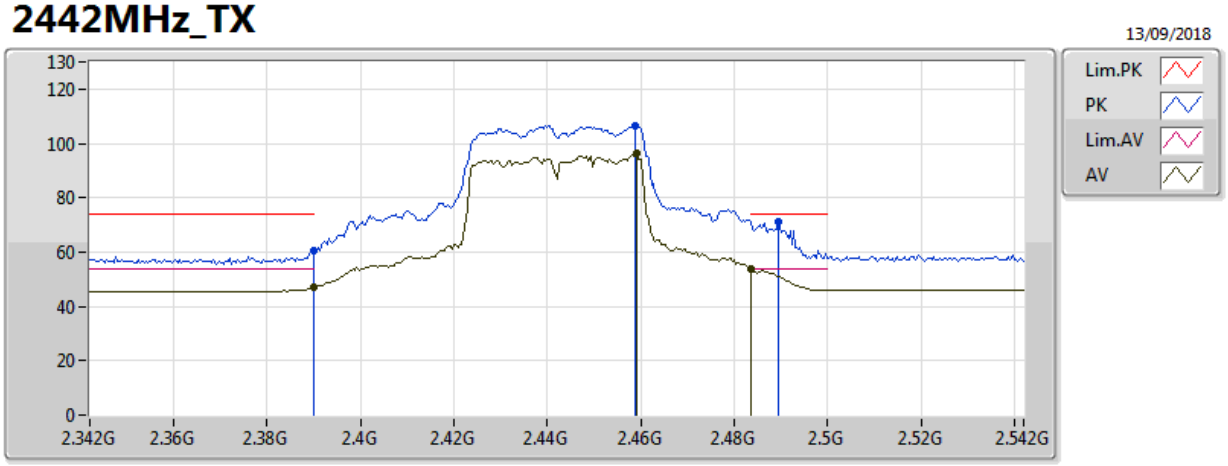


EUT Y_2TX
Setting 0D/0B
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.873536G	54.20	74.00	-19.80	6.99	3	Horizontal	242	1.92	-
AV	4.873616G	41.58	54.00	-12.42	6.99	3	Horizontal	242	1.92	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

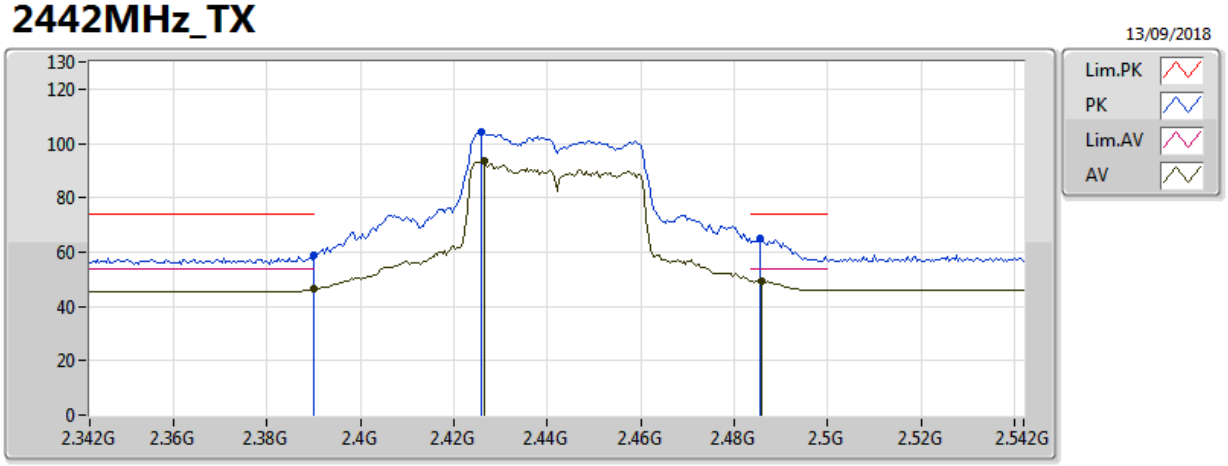


EUT Y_2TX
Setting 08/06
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	60.51	74.00	-13.49	33.16	3	Vertical	357	2.36	-
AV	2.389998G	46.95	54.00	-7.05	33.16	3	Vertical	357	2.36	-
PK	2.4588G	106.58	Inf	-Inf	33.18	3	Vertical	357	2.36	-
AV	2.4592G	96.42	Inf	-Inf	33.18	3	Vertical	357	2.36	-
PK	2.4896G	71.40	74.00	-2.60	33.19	3	Vertical	357	2.36	-
AV	2.483502G	53.55	54.00	-0.45	33.19	3	Vertical	357	2.36	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

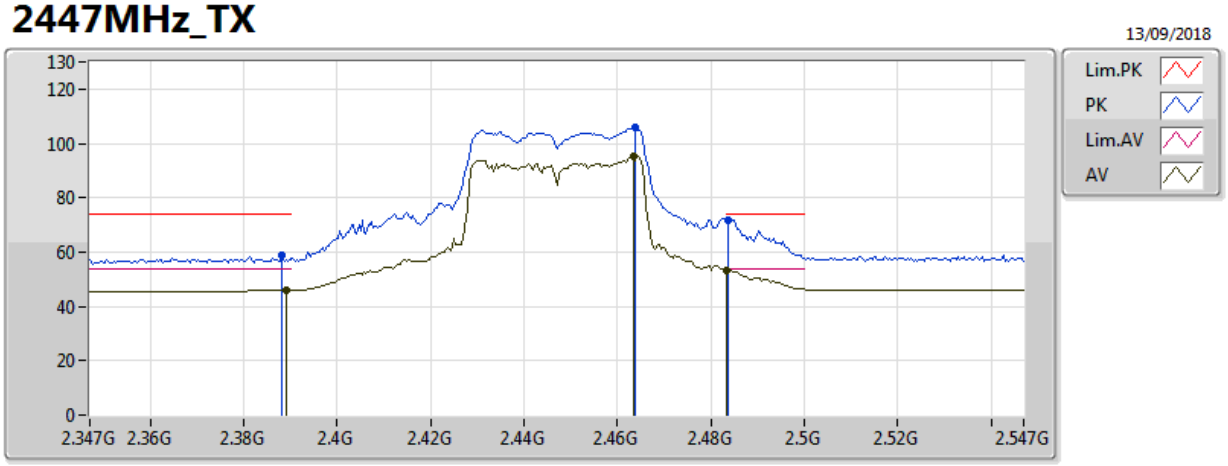


EUT Y_2TX
Setting 08/06
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	58.61	74.00	-15.39	33.17	3	Horizontal	13	2.76	-
AV	2.389998G	46.33	54.00	-7.67	33.17	3	Horizontal	13	2.76	-
PK	2.426G	104.23	Inf	-Inf	33.18	3	Horizontal	13	2.76	-
AV	2.4264G	93.32	Inf	-Inf	33.18	3	Horizontal	13	2.76	-
PK	2.4856G	65.23	74.00	-8.77	33.19	3	Horizontal	13	2.76	-
AV	2.486G	49.42	54.00	-4.58	33.19	3	Horizontal	13	2.76	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

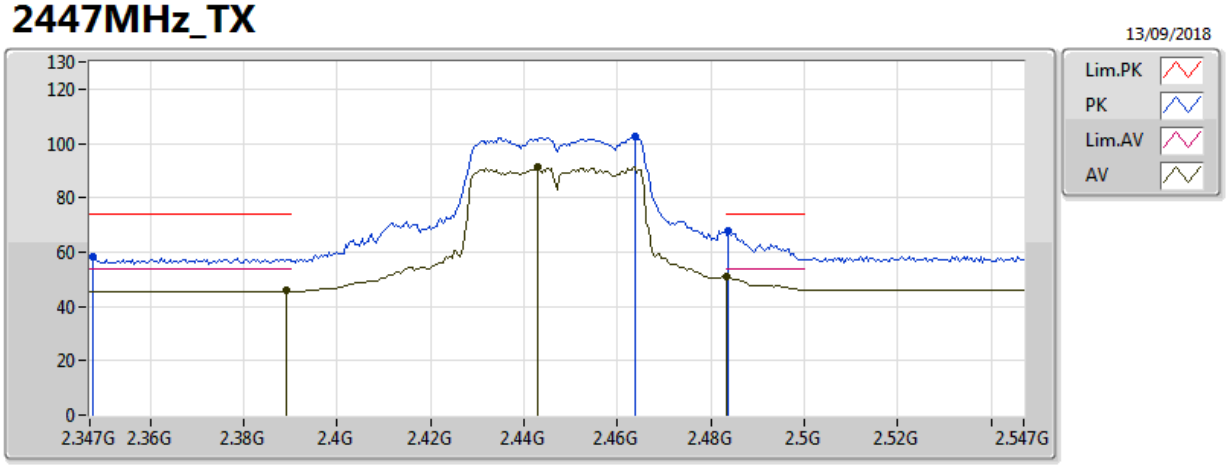


EUT Y_2TX
Setting 05/03
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	59.02	74.00	-14.98	33.17	3	Vertical	11	1.38	-
AV	2.389G	45.89	54.00	-8.11	33.17	3	Vertical	11	1.38	-
PK	2.4638G	105.96	Inf	-Inf	33.18	3	Vertical	11	1.38	-
AV	2.4634G	95.11	Inf	-Inf	33.18	3	Vertical	11	1.38	-
PK	2.4838G	71.66	74.00	-2.34	33.18	3	Vertical	11	1.38	-
AV	2.483502G	53.49	54.00	-0.51	33.18	3	Vertical	11	1.38	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

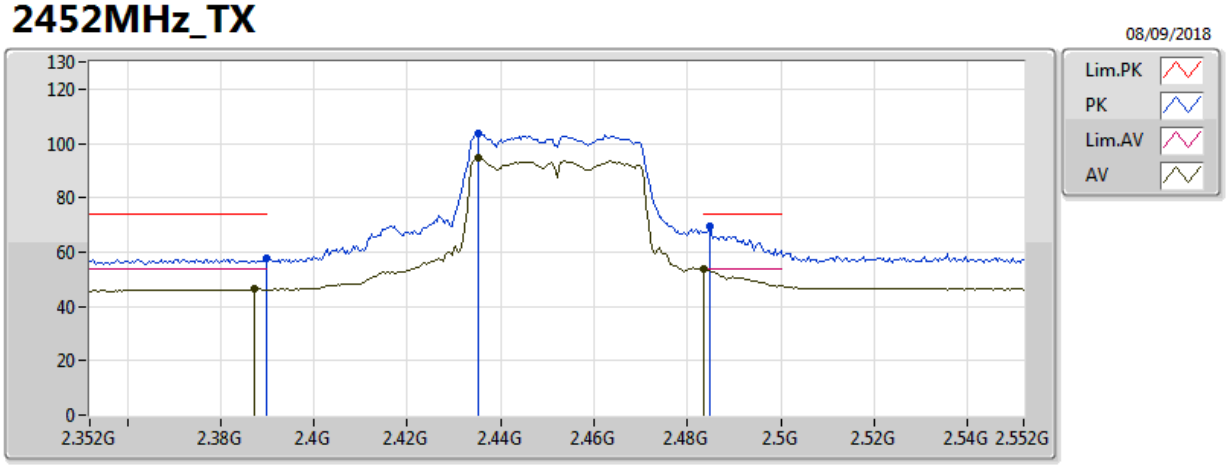


EUT Y_2TX
Setting 05/03
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3478G	58.03	74.00	-15.97	33.14	3	Horizontal	354	2.21	-
AV	2.389G	45.68	54.00	-8.32	33.17	3	Horizontal	354	2.21	-
PK	2.4638G	102.63	Inf	-Inf	33.18	3	Horizontal	354	2.21	-
AV	2.443G	91.41	Inf	-Inf	33.18	3	Horizontal	354	2.21	-
PK	2.4838G	68.05	74.00	-5.95	33.18	3	Horizontal	354	2.21	-
AV	2.483502G	50.73	54.00	-3.27	33.18	3	Horizontal	354	2.21	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

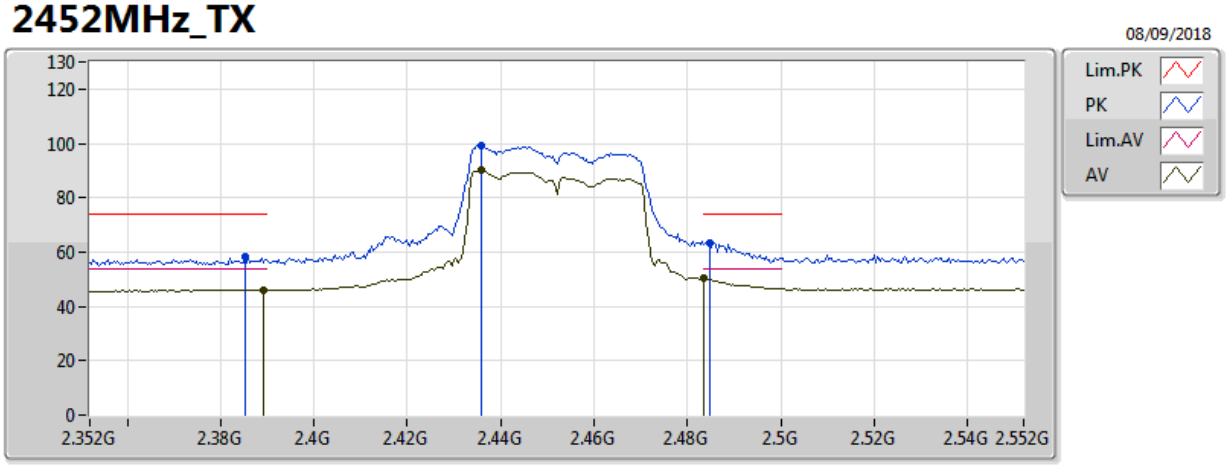


EUT Y_2TX
Setting 01/01
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	57.89	74.00	-16.11	33.17	3	Vertical	7	1.76	-
AV	2.3872G	46.26	54.00	-7.74	33.16	3	Vertical	7	1.76	-
PK	2.4352G	103.55	Inf	-Inf	33.18	3	Vertical	7	1.76	-
AV	2.4352G	94.44	Inf	-Inf	33.18	3	Vertical	7	1.76	-
PK	2.4848G	69.31	74.00	-4.69	33.18	3	Vertical	7	1.76	-
AV	2.483502G	53.87	54.00	-0.13	33.18	3	Vertical	7	1.76	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

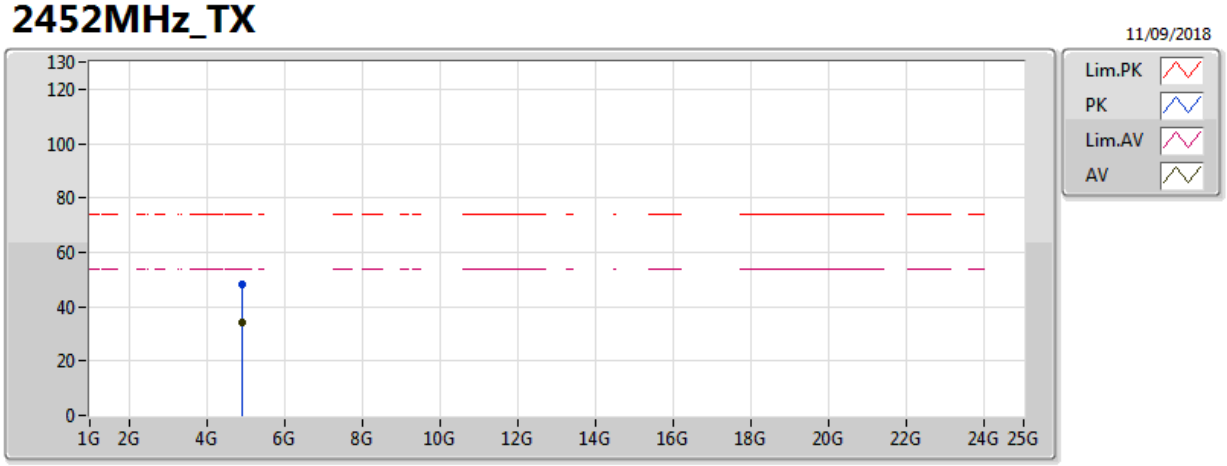


EUT Y_2TX
Setting 01/01
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3852G	58.09	74.00	-15.91	33.16	3	Horizontal	11	1.35	-
AV	2.3892G	46.13	54.00	-7.87	33.17	3	Horizontal	11	1.35	-
PK	2.436G	99.22	Inf	-Inf	33.18	3	Horizontal	11	1.35	-
AV	2.436G	90.09	Inf	-Inf	33.18	3	Horizontal	11	1.35	-
PK	2.4848G	63.21	74.00	-10.79	33.18	3	Horizontal	11	1.35	-
AV	2.483502G	50.16	54.00	-3.84	33.18	3	Horizontal	11	1.35	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

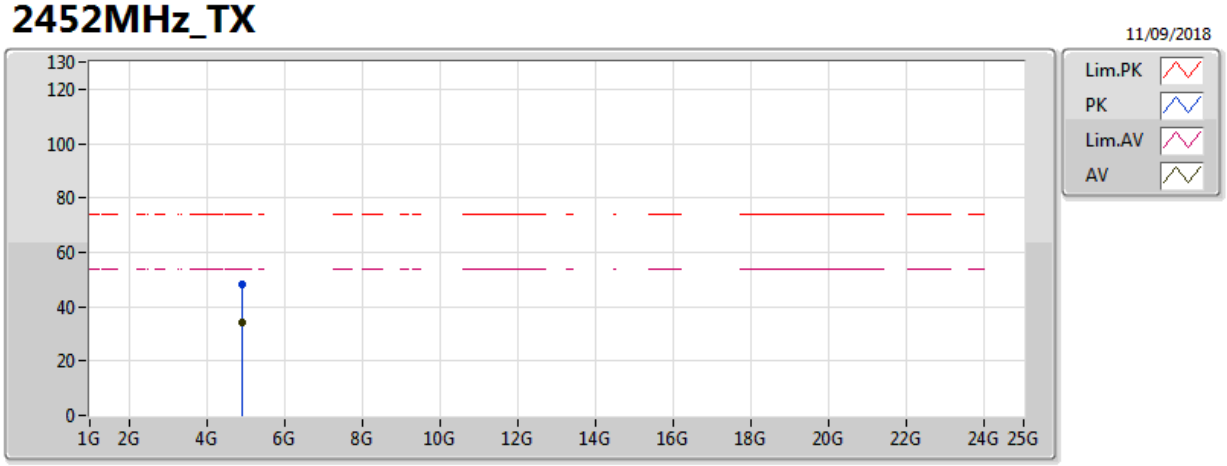


EUT Y_2TX
Setting 01/01
04-M-01
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.903868G	48.18	74.00	-25.82	7.06	3	Vertical	212	1.81	-
AV	4.904308G	34.44	54.00	-19.56	7.06	3	Vertical	212	1.81	-

802.11n HT40_Nss1,(MCS0)_2TX

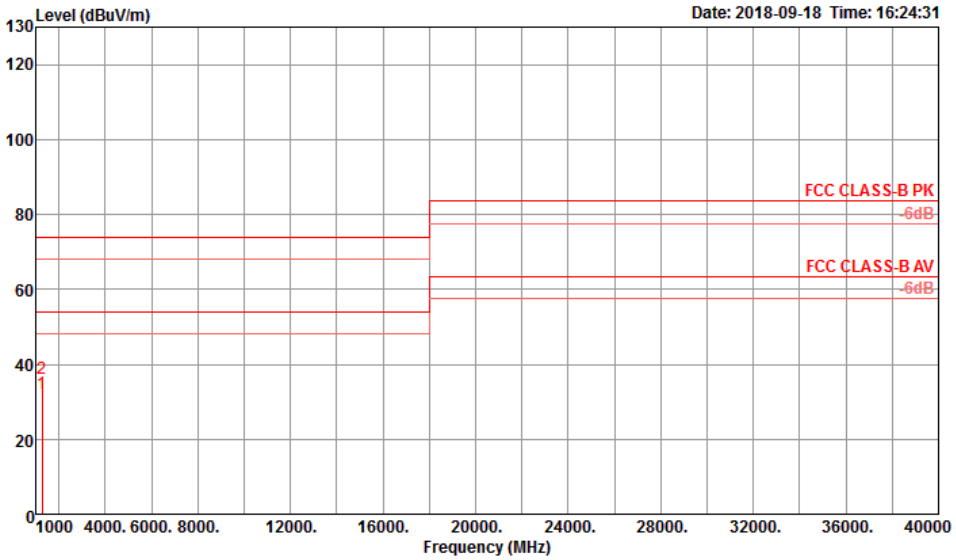
2452MHz_TX



EUT Y_2TX
Setting 01/01
04-M-01
FSP(100142)

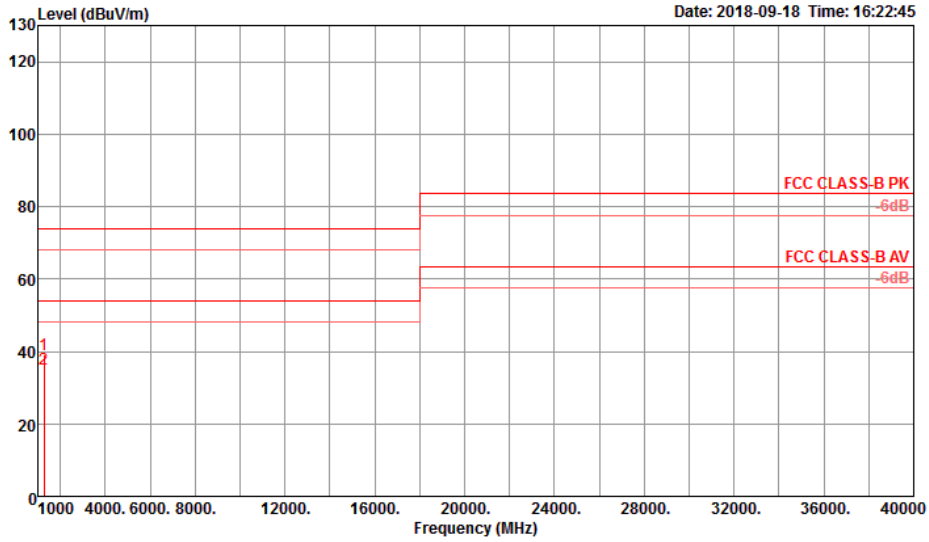
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.904564G	48.03	74.00	-25.97	7.06	3	Horizontal	180	1.57	-
AV	4.90448G	34.39	54.00	-19.61	7.06	3	Horizontal	180	1.57	-

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1265.28	32.13	54.00	-21.87	39.75	2.90	24.72	35.24	221	56	Average	HORIZONTAL
2	1265.79	36.15	74.00	-37.85	43.76	2.90	24.73	35.24	221	56	Peak	HORIZONTAL

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1264.48	38.93	74.00	-35.07	46.55	2.90	24.72	35.24	112	256	Peak	VERTICAL
2	1264.52	35.19	54.00	-18.81	42.81	2.90	24.72	35.24	112	256	Average	VERTICAL