Testing Laboratory
1190

FCC RADIO TEST REPORT

FCC ID	:	RAXWN8122B
Equipment	:	Wi-Fi MODU
Brand Name	:	Arcadyan
Model Name	:	WN8122BTEAC-HF-CP
Applicant	:	Arcadyan Technology Corporation No.8, Sec.2, Guangfu Rd.,Hsinchu,30071 Taiwan
Manufacturer	:	Arcadyan Technology Corporation No.8, Sec.2, Guangfu Rd.,Hsinchu,30071 Taiwan
Standard	:	47 CFR FCC Part 15.247

The product was received on Apr. 20, 2018, and testing was started from Apr. 20, 2018 and completed on Jun. 04, 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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History of this test report

Report No.	Version	Description	Issued Date
FR842718AA	01	Initial issue of report	Jun. 21, 2018

Summary of Test Result

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

Reviewed by: Sam Chen
Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n 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.
- HT20 and HT40 support MCS8~15 only.

1.1.2 Antenna Information

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)			Remark
						WLAN 2.4GHz	WLAN 5GHz	BT	
1	1	arcadyan	-	Printed Antenna	N/A	3.5	4.7	-	Internal antenna
2	2	arcadyan	-	Printed Antenna	N/A	0.8	3.8	-	
3	1	arcadyan	120800060900J	PIFA Antenna	I-PEX	0.1	3.16	-	External antenna
4	2	arcadyan	120800060400J	PIFA Antenna	I-PEX	-0.7	3.25	-	
5	1	arcadyan	120800060300J	PIFA Antenna	I-PEX	-	-	2.04	

Note: The EUT has five antennas.

For 2.4GHz function:

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function:

For Bluetooth mode (1TX/1RX)

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	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QA Tool_Dbg Version:0.0.1.85			

1.1.5 Table for Multiple Listing

Brand Name	Model Name	EUT No.	Description
Arcadyan	WN8122BTEAC-HF-CP	EUT 1	The EUT equips internal antenna for WLAN function.
		EUT 2	The EUT equips external antenna for WLAN function.

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, 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	Brian Sun & Serway Li & Owen Hsu	22°C / 52%	May 09, 2018~May 10, 2018
Radiated (Below 1GHz)	03CH01-CB	Cola Fan & Eddie Weng & Mason Chen & Stim Sung	25°C / 56%	May 30, 2018
Radiated (Above 1GHz)	03CH01-CB	Cola Fan & Eddie Weng & Mason Chen & Stim Sung	25°C / 56%	Apr. 20, 2018~May 30, 2018
AC Conduction	CO02-CB	Tony Chang	23°C / 60%	Jun. 04, 2018

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

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	1F-C6
2437MHz	1F-C6
2462MHz	1F-C6
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	1F-C2
2437MHz	1F-C2
2462MHz	1F-C2
802.11n HT20_Nss2,(MCS8)_2TX	-
2412MHz	1F
2437MHz	1F
2462MHz	1F
802.11n HT40_Nss2,(MCS8)_2TX	-
2422MHz	1F-84
2437MHz	1F-84
2452MHz	1F-84

Note: Because the low channel and high channel output power is lower than the middle channel, so Band edges emission and output power of other channels are not evaluated.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT 1: 2.4GHz + Bluetooth
2	EUT 1: 5GHz + Bluetooth
3	EUT 2: 2.4GHz + Bluetooth
4	EUT 2: 5GHz + Bluetooth
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
Operating Mode	CTX
1	EUT 1

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 1: 2.4GHz + Bluetooth
2	EUT 1: 5GHz + Bluetooth
3	EUT 2: 2.4GHz + Bluetooth
4	EUT 2: 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA842718 for Co-location RF Exposure Evaluation.	

Note: For conducted test, only the highest antenna gain (EUT 1) was tested and recorded in the test report.

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
2	NB	ASUS	PRO88Q	N/A
3	AP Router	ASUS	RP-N53	MSQ-RPN53
4	iPhone 4	Apple	A1332	BCG-E2380A
5	Earphone	SHYARO CHI	MIC-04	N/A
6	Mouse	Logitech	M-U0026	N/A

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	N/A
2	NB	ASUS	PRO88Q	N/A
3	WLAN AP	D-LINK	DIR860L	KA2IR860LA1
4	iPhone 4	Apple	A1332	BCG-E2380A
5	Earphone	SHYARO CHI	MIC-04	N/A
6	Mouse	Logitech	M-U0026	N/A

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

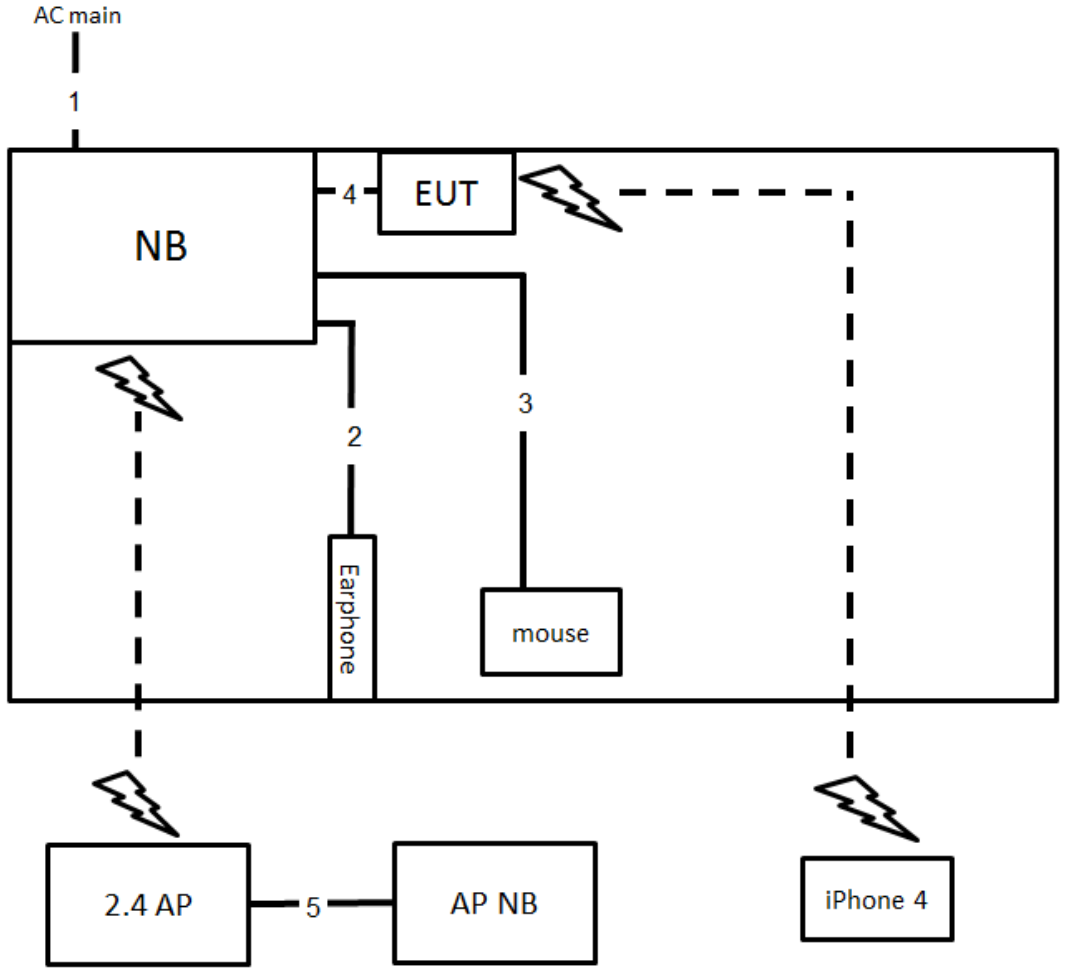
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	N/A

For Test Site No: TH01-CB

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

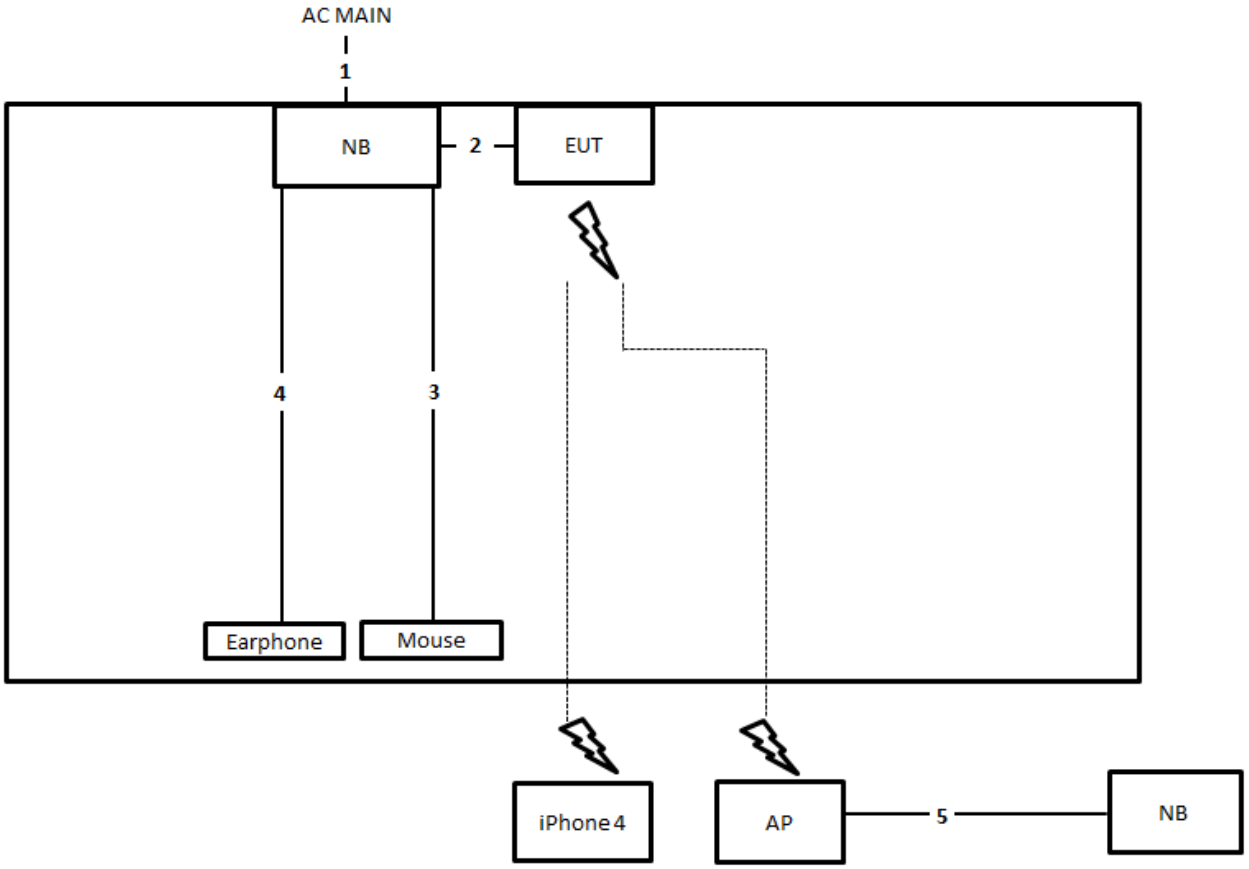
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



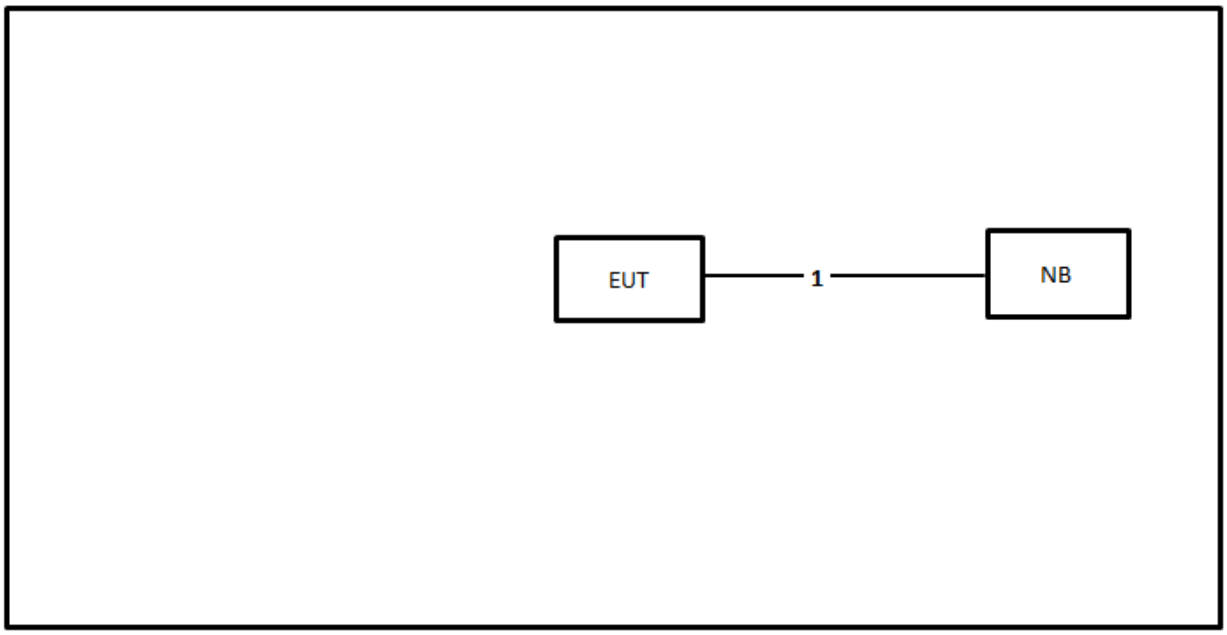
Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	Audio cable	No	1.5m
3	USB cable	Yes	1.5m
4	USB cable	Yes	0.3m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.5m
2	USB cable	Yes	1.5m
3	USB cable	Yes	1.8m
4	Audio cable	No	1.1m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	USB cable	Yes	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

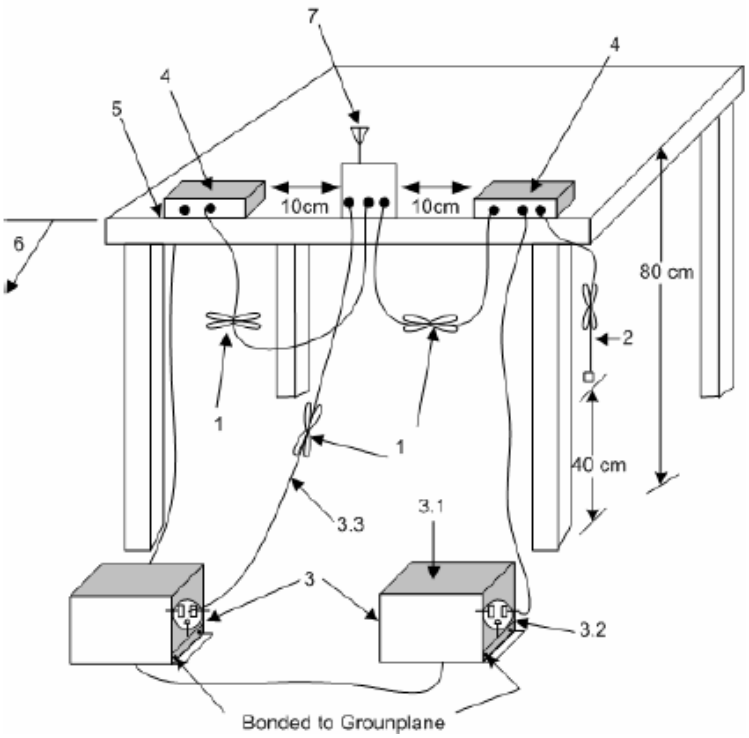
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

3.2.2 Measuring Instruments

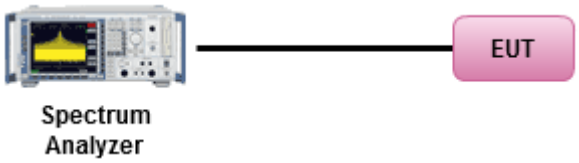
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

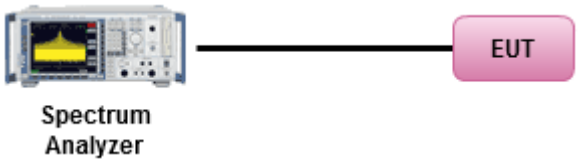
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density
 Spectrum Analyzer

3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

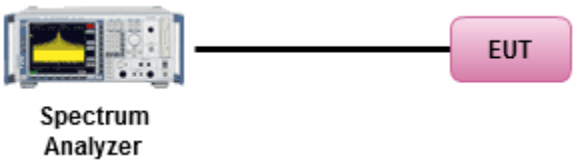
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

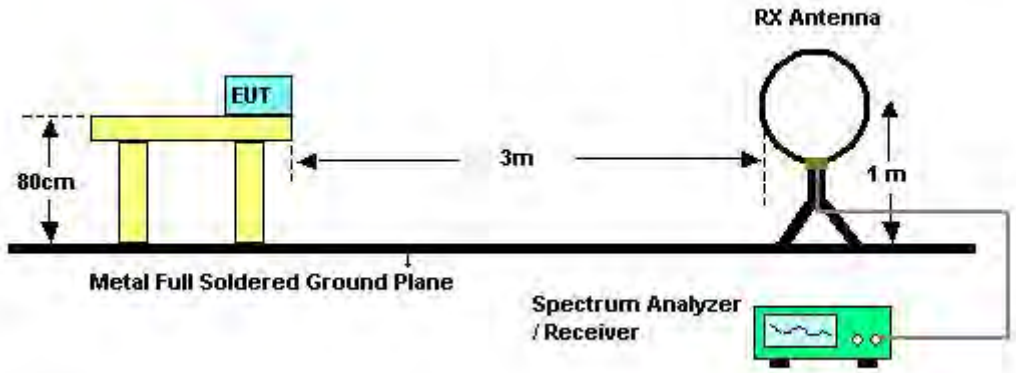
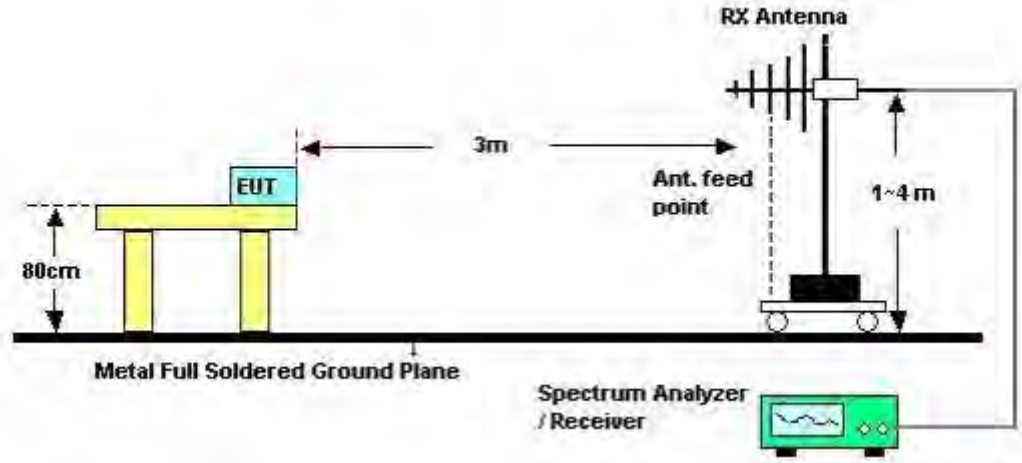
3.6.2 Measuring Instruments

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

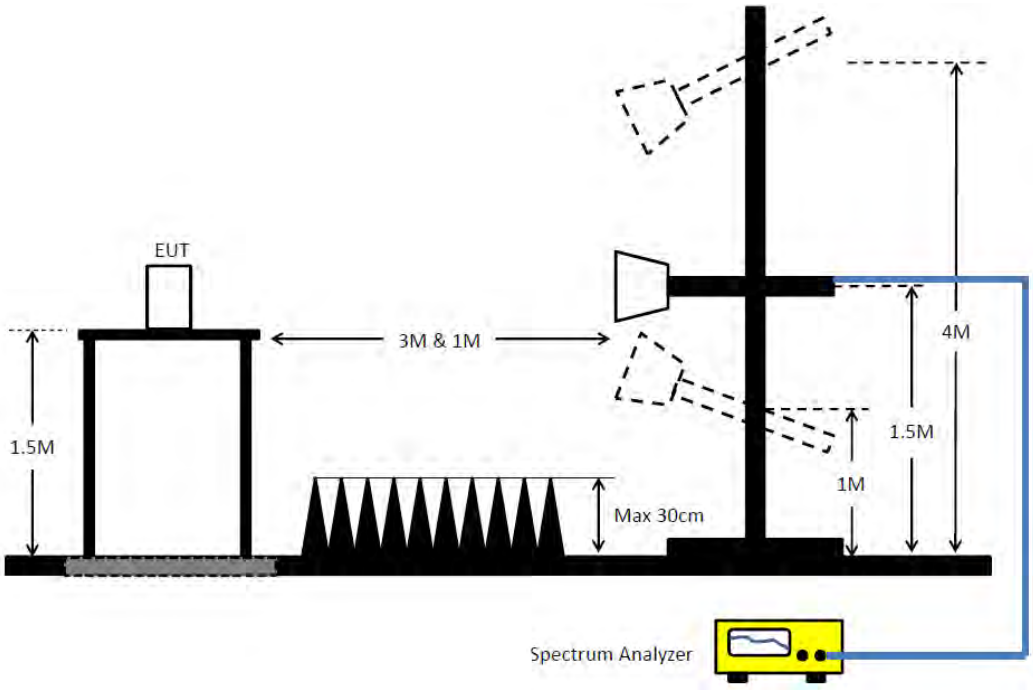
3.6.3 Test Procedures

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

3.6.4 Test Setup

Transmitter Radiated Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

4 Test Equipment and Calibration Data

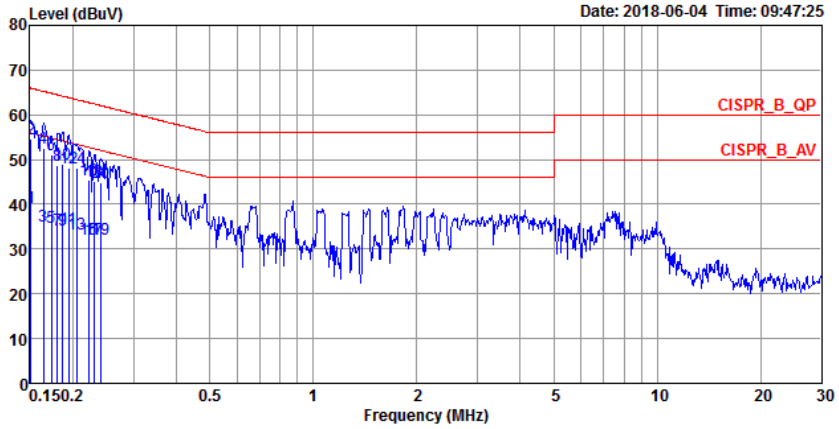
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 24, 2017	Nov. 23, 2018	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2017	Nov. 12, 2018	Conduction (CO02-CB)
EMI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

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

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

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

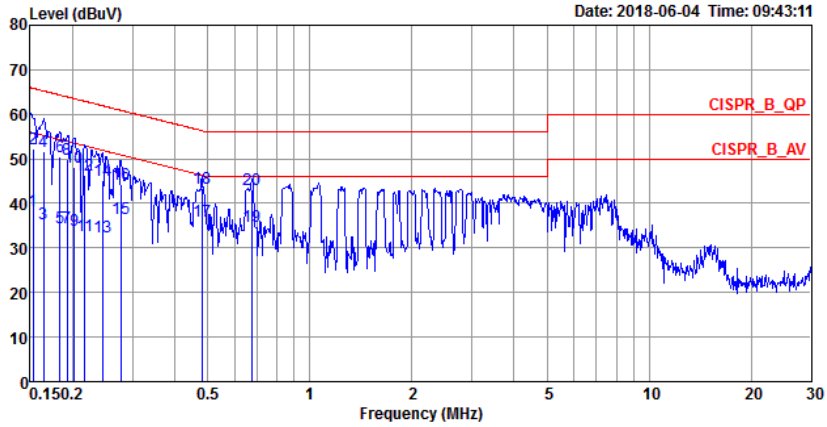
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link - EUT 1: 2.4GHz + Bluetooth		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1510	39.37	-16.57	55.94	29.32	10.04	0.01	Average	NEUTRAL
2	0.1510	54.59	-11.35	65.94	44.54	10.04	0.01	QP	NEUTRAL
3	0.1641	35.21	-20.04	55.25	25.19	10.01	0.01	Average	NEUTRAL
4	0.1641	52.58	-12.67	65.25	42.56	10.01	0.01	QP	NEUTRAL
5	0.1731	34.71	-20.10	54.81	24.70	10.00	0.01	Average	NEUTRAL
6	0.1731	51.08	-13.73	64.81	41.07	10.00	0.01	QP	NEUTRAL
7	0.1806	34.36	-20.10	54.46	24.36	9.99	0.01	Average	NEUTRAL
8	0.1806	48.82	-15.64	64.46	38.82	9.99	0.01	QP	NEUTRAL
9	0.1864	34.29	-19.91	54.20	24.30	9.98	0.01	Average	NEUTRAL
10	0.1864	49.09	-15.11	64.20	39.10	9.98	0.01	QP	NEUTRAL
11	0.1945	34.51	-19.33	53.84	24.53	9.97	0.01	Average	NEUTRAL
12	0.1945	48.04	-15.80	63.84	38.06	9.97	0.01	QP	NEUTRAL
13	0.2050	33.26	-20.14	53.40	23.29	9.96	0.01	Average	NEUTRAL
14	0.2050	48.23	-15.17	63.40	38.26	9.96	0.01	QP	NEUTRAL
15	0.2232	32.32	-20.38	52.70	22.35	9.96	0.01	Average	NEUTRAL
16	0.2232	45.57	-17.13	62.70	35.60	9.96	0.01	QP	NEUTRAL
17	0.2304	32.05	-20.39	52.44	22.08	9.96	0.01	Average	NEUTRAL
18	0.2304	45.05	-17.39	62.44	35.08	9.96	0.01	QP	NEUTRAL
19	0.2404	32.04	-20.04	52.08	22.07	9.95	0.02	Average	NEUTRAL
20	0.2404	44.98	-17.10	62.08	35.01	9.95	0.02	QP	NEUTRAL

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

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link - EUT 1: 2.4GHz + Bluetooth		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1528	38.45	-17.40	55.85	28.45	9.99	0.01	Average	LINE
2	0.1528	52.35	-13.50	65.85	42.35	9.99	0.01	QP	LINE
3	0.1644	35.32	-19.92	55.24	25.34	9.97	0.01	Average	LINE
4	0.1644	51.60	-13.64	65.24	41.62	9.97	0.01	QP	LINE
5	0.1835	34.47	-19.86	54.33	24.53	9.93	0.01	Average	LINE
6	0.1835	50.38	-13.95	64.33	40.44	9.93	0.01	QP	LINE
7	0.1924	34.59	-19.34	53.93	24.66	9.92	0.01	Average	LINE
8	0.1924	49.77	-14.16	63.93	39.84	9.92	0.01	QP	LINE
9	0.2018	33.86	-19.68	53.54	23.94	9.91	0.01	Average	LINE
10	0.2018	48.05	-15.49	63.54	38.13	9.91	0.01	QP	LINE
11	0.2174	32.63	-20.29	52.92	22.72	9.90	0.01	Average	LINE
12	0.2174	46.32	-16.60	62.92	36.41	9.90	0.01	QP	LINE
13	0.2442	32.33	-19.62	51.95	22.41	9.90	0.02	Average	LINE
14	0.2442	45.12	-16.83	61.95	35.20	9.90	0.02	QP	LINE
15	0.2773	36.48	-14.42	50.90	26.57	9.89	0.02	Average	LINE
16	0.2773	44.42	-16.48	60.90	34.51	9.89	0.02	QP	LINE
17	0.4812	36.09	-10.23	46.32	26.17	9.89	0.03	Average	LINE
18	0.4812	43.34	-12.98	56.32	33.42	9.89	0.03	QP	LINE
19	0.6755	34.87	-11.13	46.00	24.92	9.92	0.03	Average	LINE
20	0.6755	43.02	-12.98	56.00	33.07	9.92	0.03	QP	LINE

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

Summary

Mode	Max-N dB (MHz)	Max-OBW (MHz)	ITU-Code	Min-N dB (MHz)	Min-OBW (MHz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.025M	13.868M	13M9G1D	8M	13.343M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.417M	16M4D1D	16.025M	16.367M
802.11n HT20_Nss2,(MCS8)_2TX	17.575M	17.566M	17M6D1D	16.9M	17.541M
802.11n HT40_Nss2,(MCS8)_2TX	36.35M	36.082M	36M1D1D	35.65M	35.932M

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;

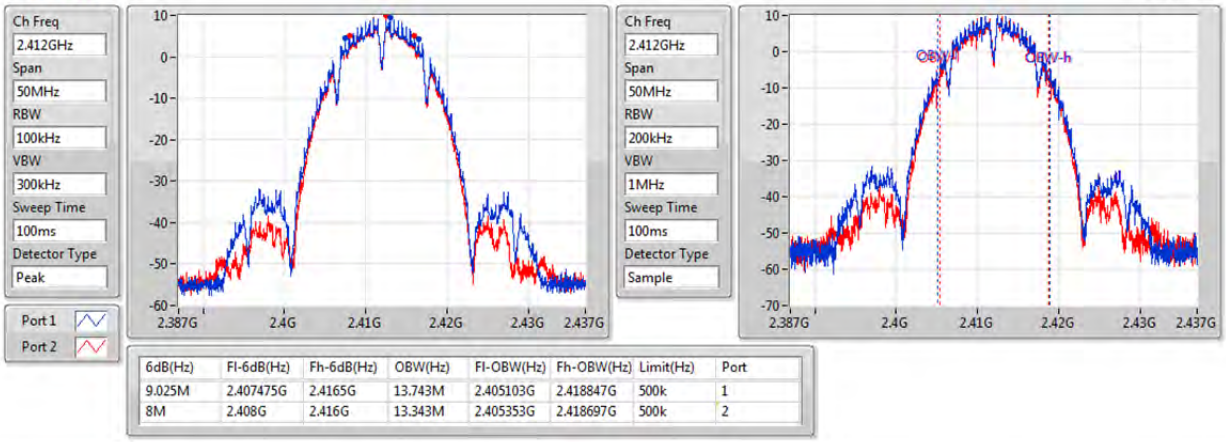
Result

Mode	Result	Limit (MHz)	Port 1-N dB (MHz)	Port 1-OBW (MHz)	Port 2-N dB (MHz)	Port 2-OBW (MHz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	9.025M	13.743M	8M	13.343M
2437MHz	Pass	500k	8.05M	13.868M	9.025M	13.543M
2462MHz	Pass	500k	9M	13.843M	8.55M	13.543M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.275M	16.367M	16.025M	16.367M
2437MHz	Pass	500k	16.325M	16.417M	16.275M	16.417M
2462MHz	Pass	500k	16.325M	16.392M	16.3M	16.392M
802.11n HT20_Nss2,(MCS8)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.541M	16.9M	17.541M
2437MHz	Pass	500k	17.5M	17.541M	17.55M	17.541M
2462MHz	Pass	500k	17.575M	17.566M	17.525M	17.566M
802.11n HT40_Nss2,(MCS8)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.25M	35.982M	35.65M	35.932M
2437MHz	Pass	500k	36.35M	35.982M	36.25M	36.032M
2452MHz	Pass	500k	36.35M	36.082M	36.35M	36.082M

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

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

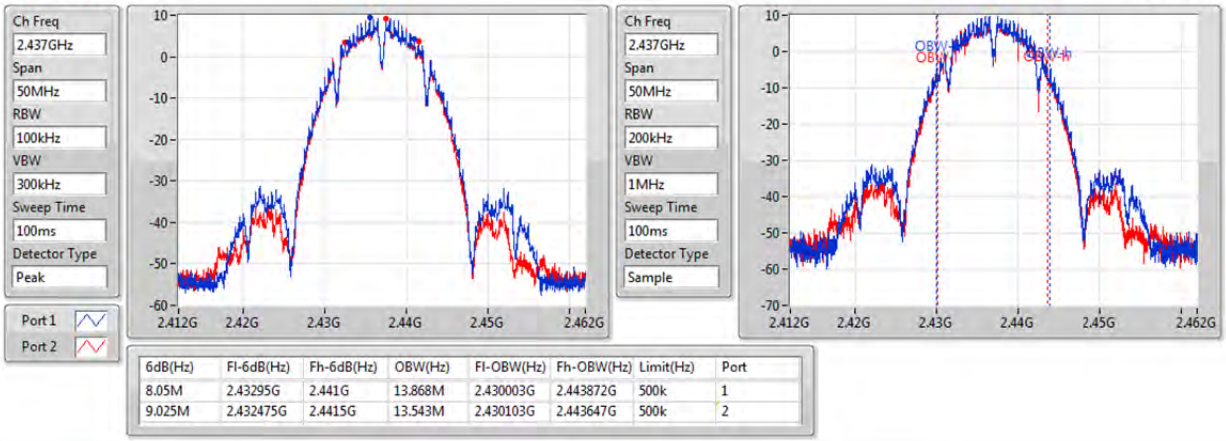
09/05/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.407475G	2.4165G	13.743M	2.405103G	2.418847G	500k	1
8M	2.408G	2.416G	13.343M	2.405353G	2.418697G	500k	2

802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

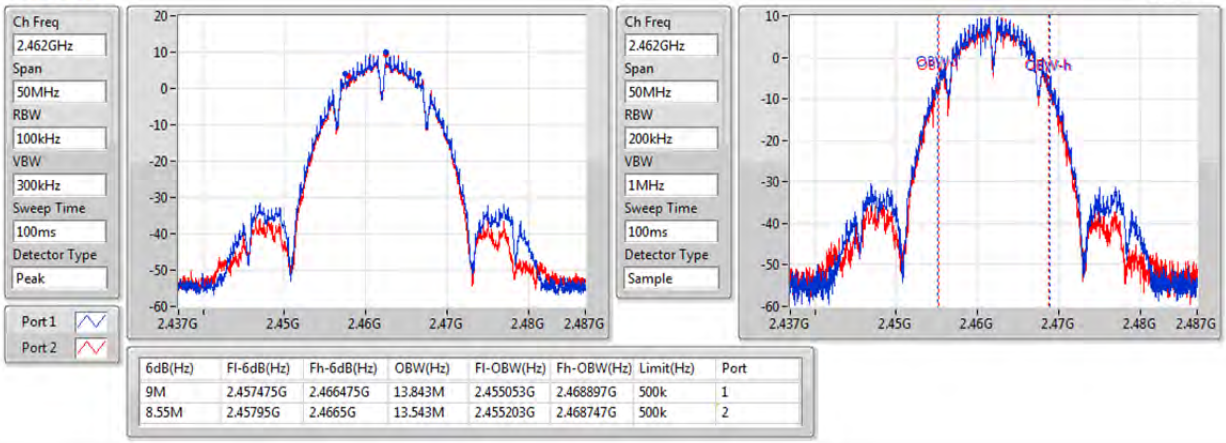
09/05/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.43295G	2.441G	13.868M	2.430003G	2.443872G	500k	1
9.025M	2.432475G	2.4415G	13.543M	2.430103G	2.443647G	500k	2

802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

09/05/2018

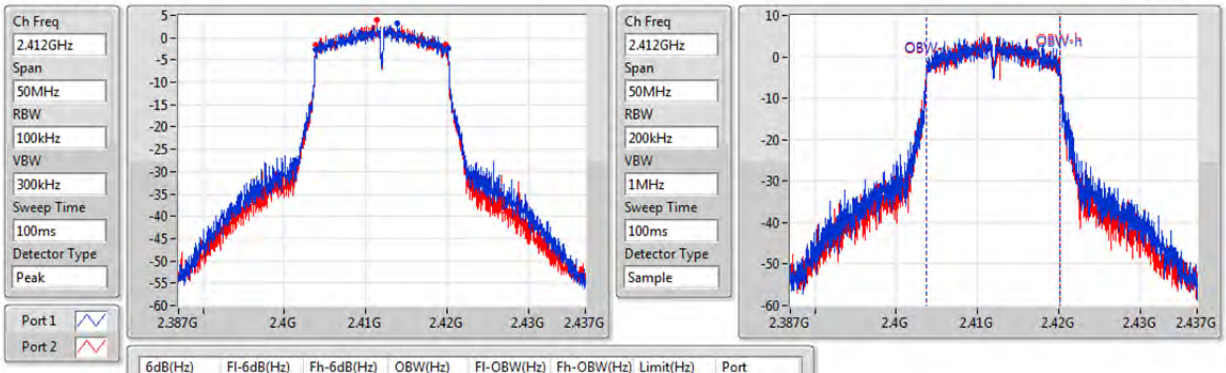


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9M	2.457475G	2.466475G	13.843M	2.455053G	2.468897G	500k	1
8.55M	2.45795G	2.4665G	13.543M	2.455203G	2.468747G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

09/05/2018

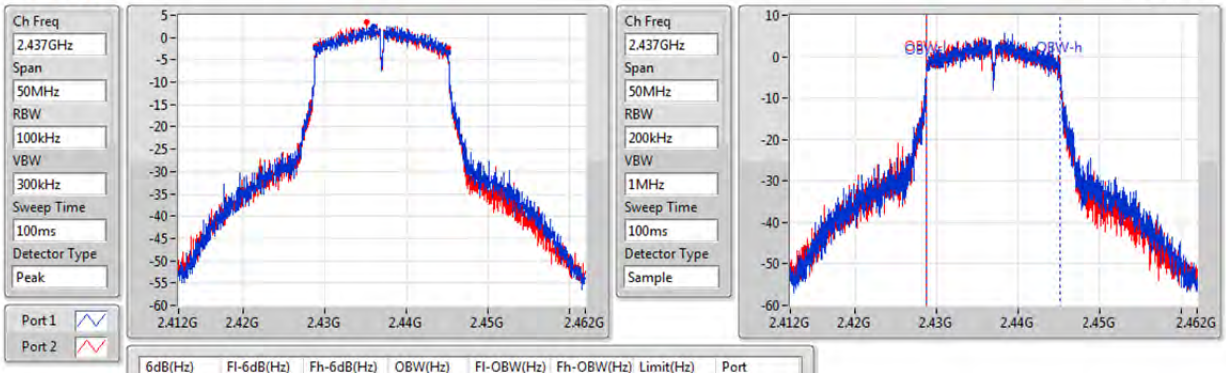


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.40385G	2.420125G	16.367M	2.403779G	2.420146G	500k	1
16.025M	2.40385G	2.419875G	16.367M	2.403779G	2.420146G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

09/05/2018

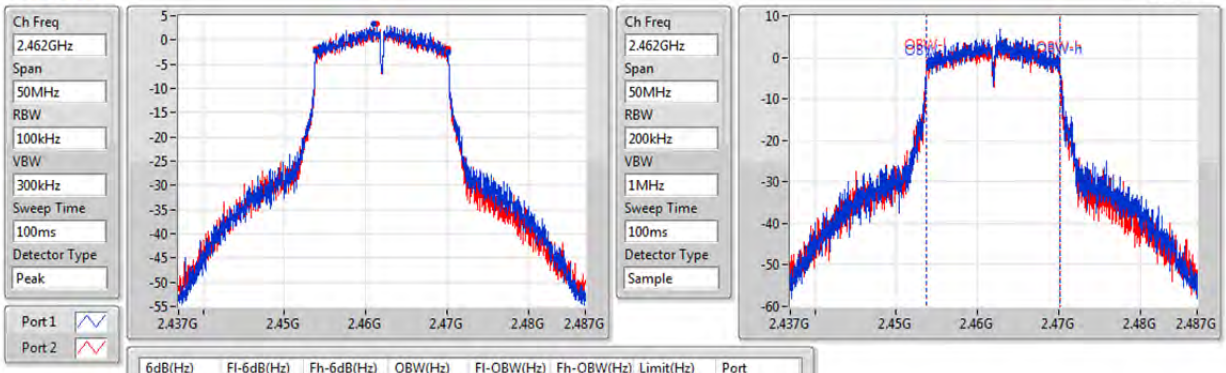


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.417M	2.428754G	2.445171G	500k	1
16.275M	2.428825G	2.4451G	16.417M	2.428729G	2.445146G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

09/05/2018

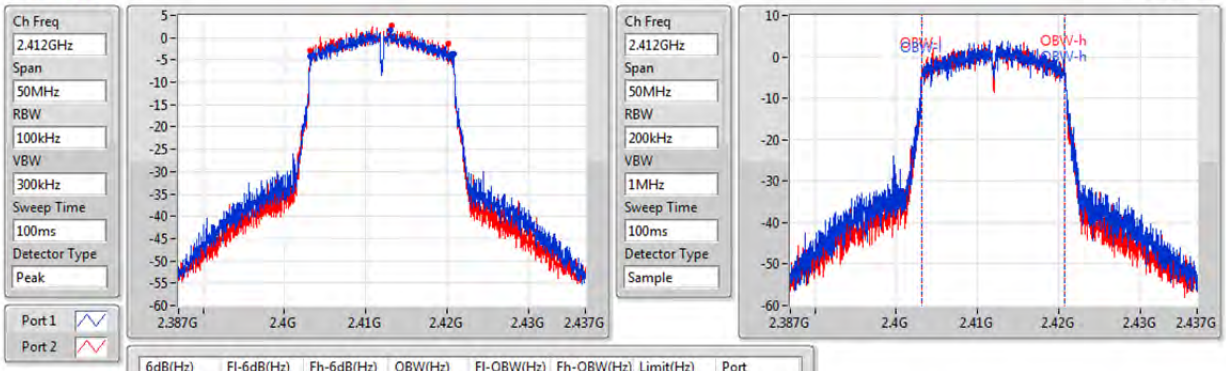


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.392M	2.453779G	2.470171G	500k	1
16.3M	2.453825G	2.470125G	16.392M	2.453754G	2.470146G	500k	2

802.11n HT20_Nss2,(MCS8)_2TX EBW

2412MHz

09/05/2018

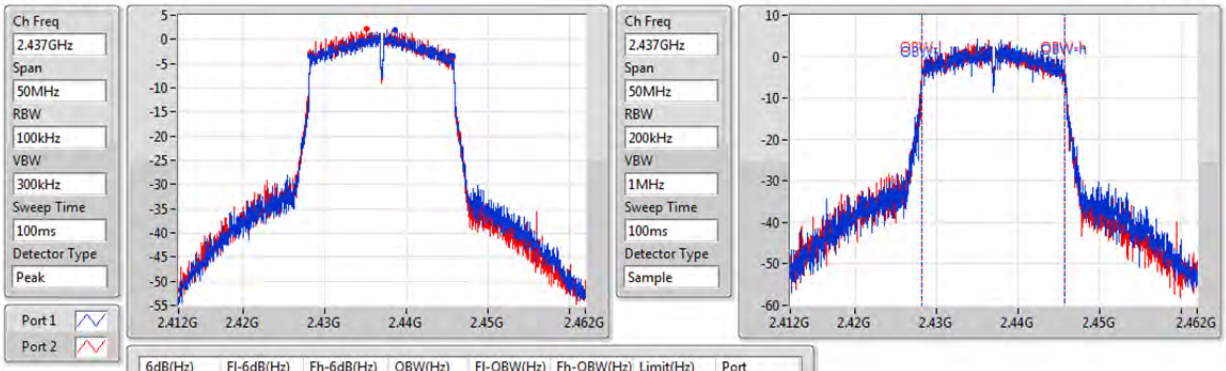


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.403225G	2.420775G	17.541M	2.403204G	2.420746G	500k	1
16.9M	2.403225G	2.420125G	17.541M	2.403179G	2.420721G	500k	2

802.11n HT20_Nss2,(MCS8)_2TX EBW

2437MHz

09/05/2018

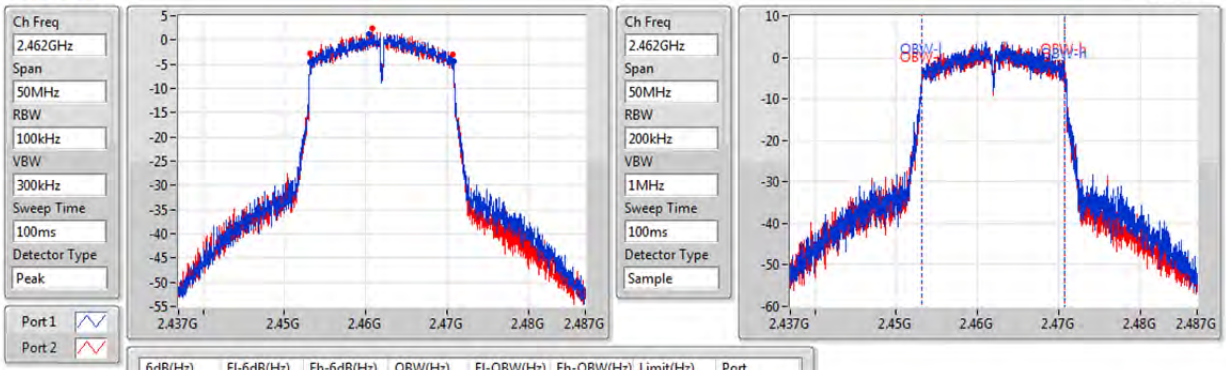


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.5M	2.428225G	2.445725G	17.541M	2.428204G	2.445746G	500k	1
17.55M	2.4282G	2.44575G	17.541M	2.428179G	2.445721G	500k	2

802.11n HT20_Nss2,(MCS8)_2TX EBW

2462MHz

09/05/2018

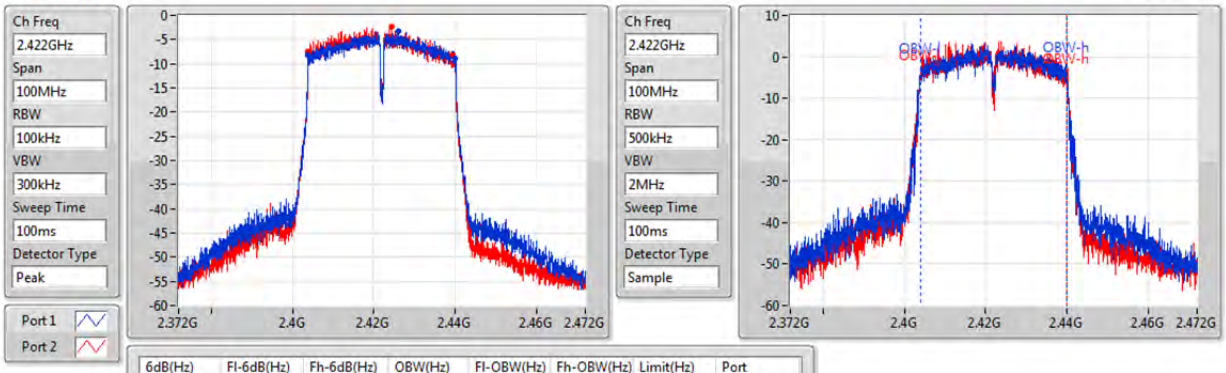


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4532G	2.470775G	17.566M	2.453179G	2.470746G	500k	1
17.525M	2.453225G	2.47075G	17.566M	2.453179G	2.470746G	500k	2

802.11n HT40_Nss2,(MCS8)_2TX EBW

2422MHz

09/05/2018

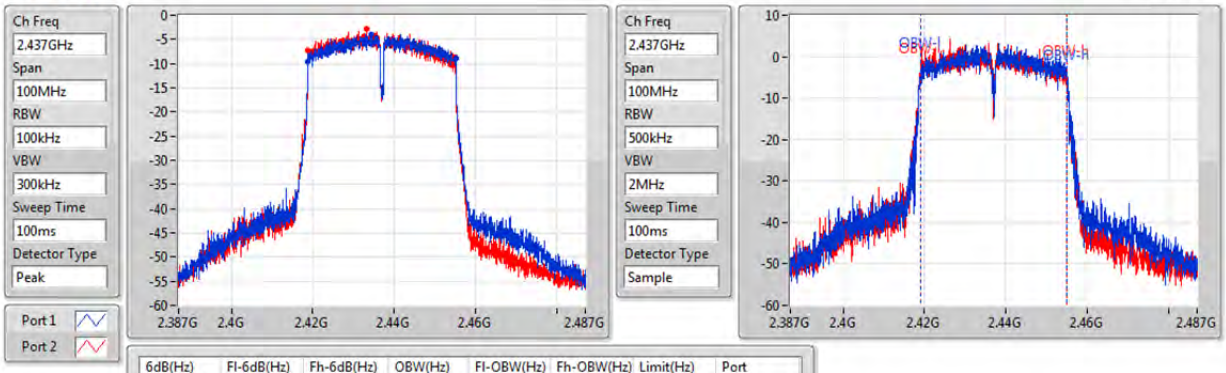


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	2.40385G	2.4401G	35.982M	2.403959G	2.439941G	500k	1
35.65M	2.40385G	2.4395G	35.932M	2.403959G	2.439891G	500k	2

802.11n HT40_Nss2,(MCS8)_2TX EBW

2437MHz

09/05/2018

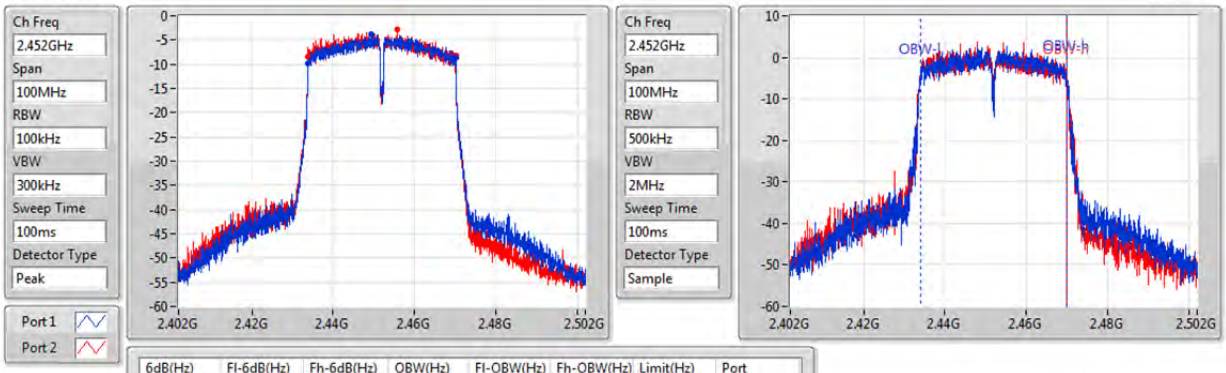


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.4188G	2.45515G	35.982M	2.418959G	2.454941G	500k	1
36.25M	2.41885G	2.4551G	36.032M	2.418909G	2.454941G	500k	2

802.11n HT40_Nss2,(MCS8)_2TX EBW

2452MHz

09/05/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.4338G	2.47015G	36.082M	2.433959G	2.470041G	500k	1
36.35M	2.4338G	2.47015G	36.082M	2.433909G	2.469991G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	21.61	0.14488
802.11g_Nss1,(6Mbps)_2TX	19.52	0.08954
802.11n HT20_Nss2,(MCS8)_2TX	18.47	0.07031
802.11n HT40_Nss2,(MCS8)_2TX	16.42	0.04385

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.50	18.6	18.57	21.60	30.00
2437MHz	Pass	3.50	18.67	18.53	21.61	30.00
2462MHz	Pass	3.50	18.72	18.39	21.57	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.50	16.41	16.45	19.44	30.00
2437MHz	Pass	3.50	16.57	16.44	19.52	30.00
2462MHz	Pass	3.50	16.56	16.28	19.43	30.00
802.11n HT20_Nss2,(MCS8)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.50	15.42	15.45	18.45	30.00
2437MHz	Pass	3.50	15.41	15.51	18.47	30.00
2462MHz	Pass	3.50	15.53	15.29	18.42	30.00
802.11n HT40_Nss2,(MCS8)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.50	13.35	13.41	16.39	30.00
2437MHz	Pass	3.50	13.48	13.33	16.42	30.00
2452MHz	Pass	3.50	13.39	13.27	16.34	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.91
802.11g_Nss1,(6Mbps)_2TX	-6.99
802.11n HT20_Nss2,(MCS8)_2TX	-7.98
802.11n HT40_Nss2,(MCS8)_2TX	-13.38

RBW=3kHz.

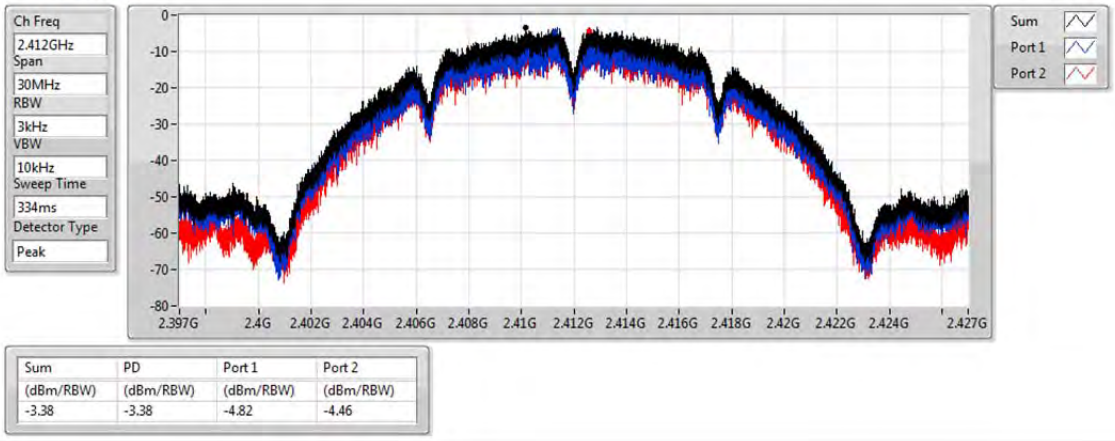
Result

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	5.26	-4.82	-4.46	-3.38	8.00
2437MHz	Pass	5.26	-4.25	-4.49	-2.91	8.00
2462MHz	Pass	5.26	-4.53	-4.89	-3.47	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.26	-9.17	-8.94	-7.07	8.00
2437MHz	Pass	5.26	-8.15	-9.07	-6.99	8.00
2462MHz	Pass	5.26	-8.62	-9.07	-7.21	8.00
802.11n HT20_Nss2,(MCS8)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.36	-10.63	-9.79	-8.02	8.00
2437MHz	Pass	2.36	-10.08	-9.86	-7.98	8.00
2462MHz	Pass	2.36	-10.16	-10.69	-8.32	8.00
802.11n HT40_Nss2,(MCS8)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.36	-15.27	-15.52	-14.11	8.00
2437MHz	Pass	2.36	-14.3	-14.44	-13.38	8.00
2452MHz	Pass	2.36	-16.32	-15.45	-14.27	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**

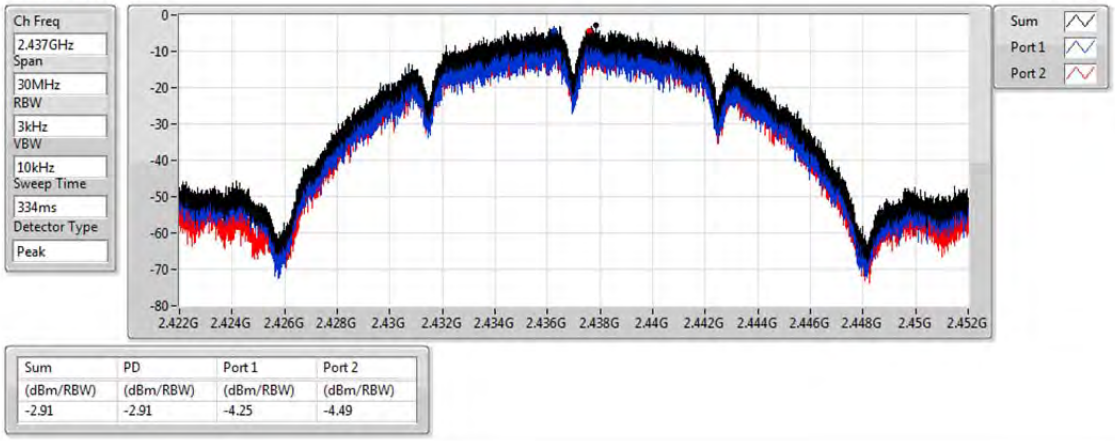
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.38	-3.38	-4.82	-4.46

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

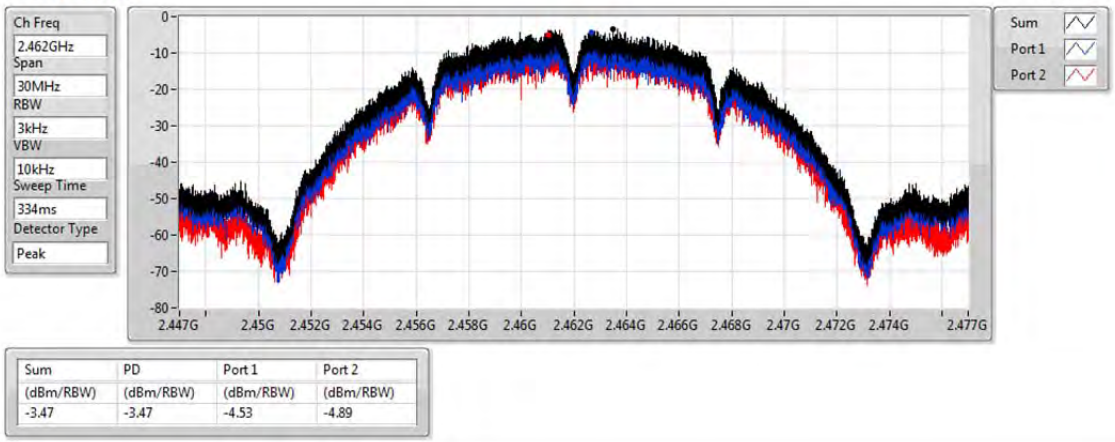
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.91	-2.91	-4.25	-4.49

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

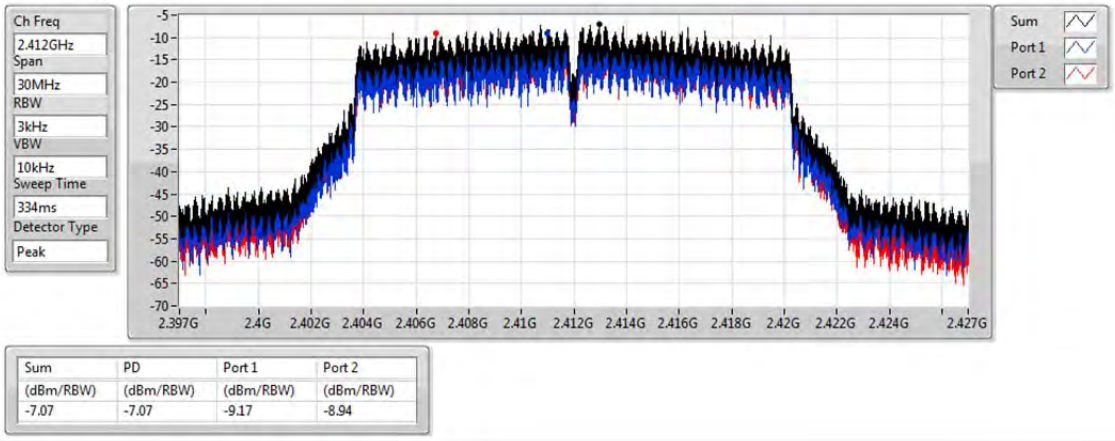
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.47	-3.47	-4.53	-4.89

802.11g_Nss1,(6Mbps)_2TX **PSD**

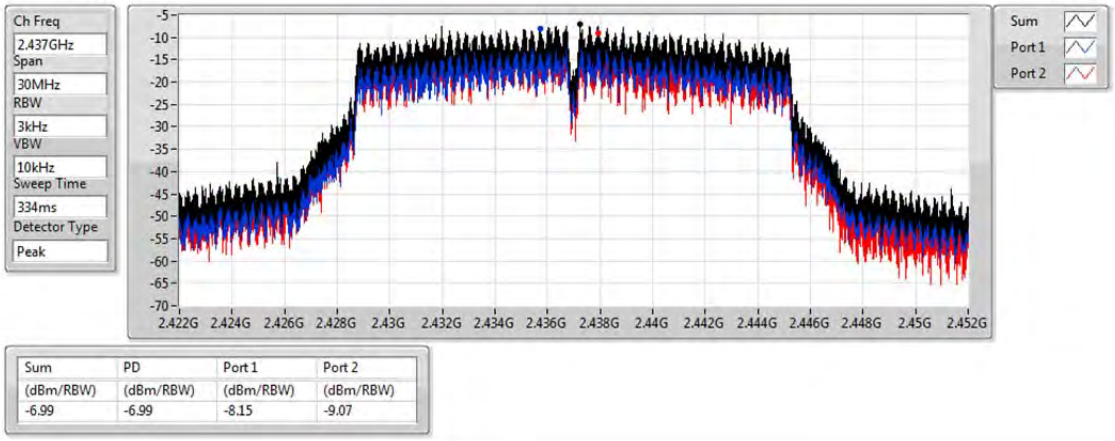
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.07	-7.07	-9.17	-8.94

802.11g_Nss1,(6Mbps)_2TX **PSD**

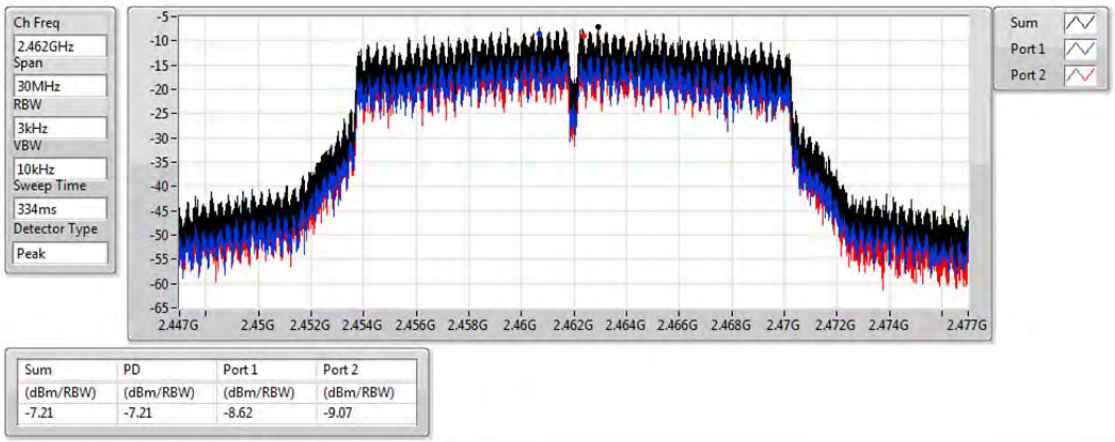
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.99	-6.99	-8.15	-9.07

802.11g_Nss1,(6Mbps)_2TX **PSD**

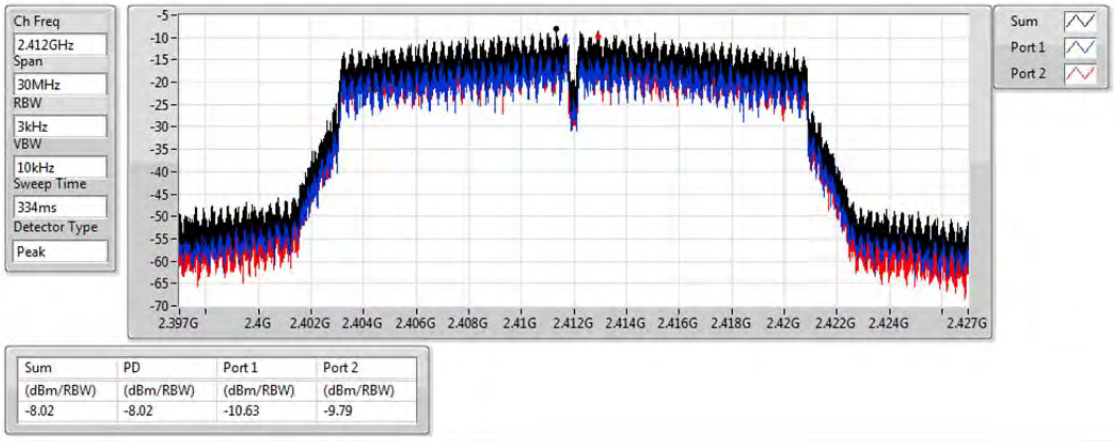
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.21	-7.21	-8.62	-9.07

802.11n HT20_Nss2,(MCS8)_2TX **PSD**

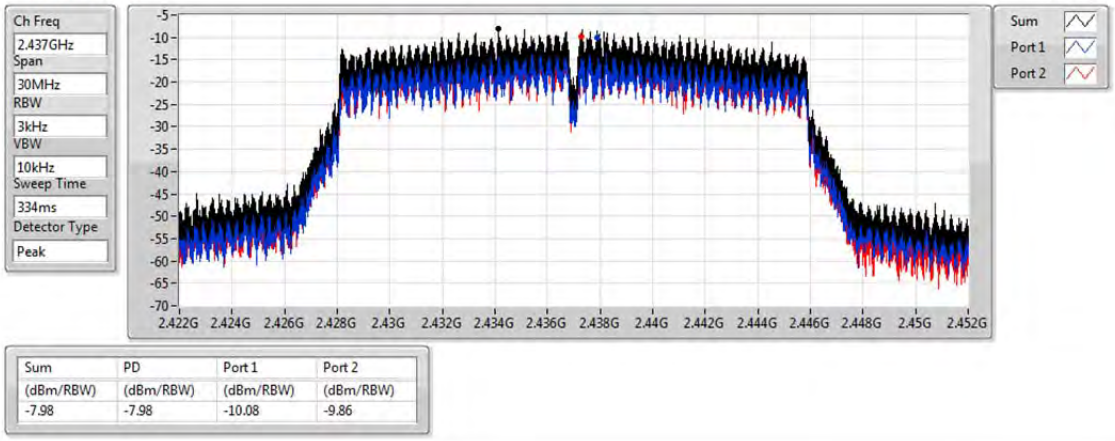
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.02	-8.02	-10.63	-9.79

802.11n HT20_Nss2,(MCS8)_2TX **PSD**

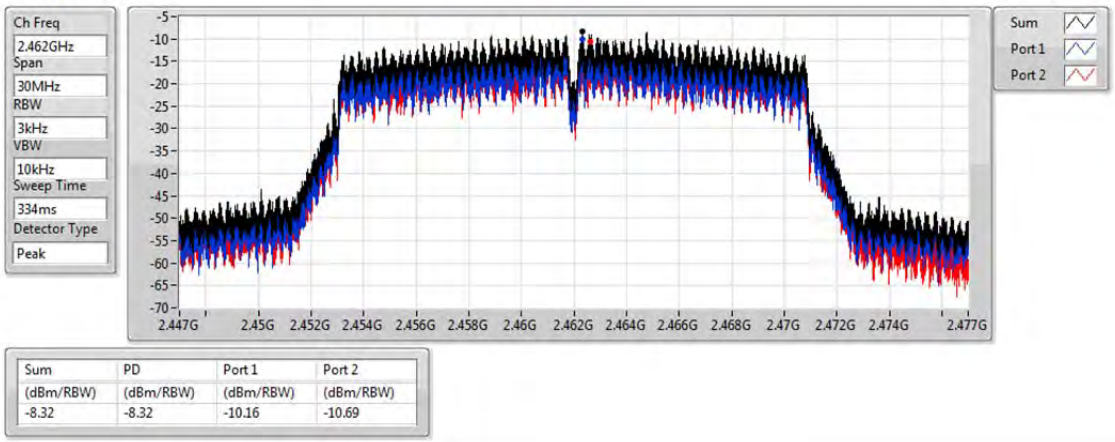
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.98	-7.98	-10.08	-9.86

802.11n HT20_Nss2,(MCS8)_2TX **PSD**

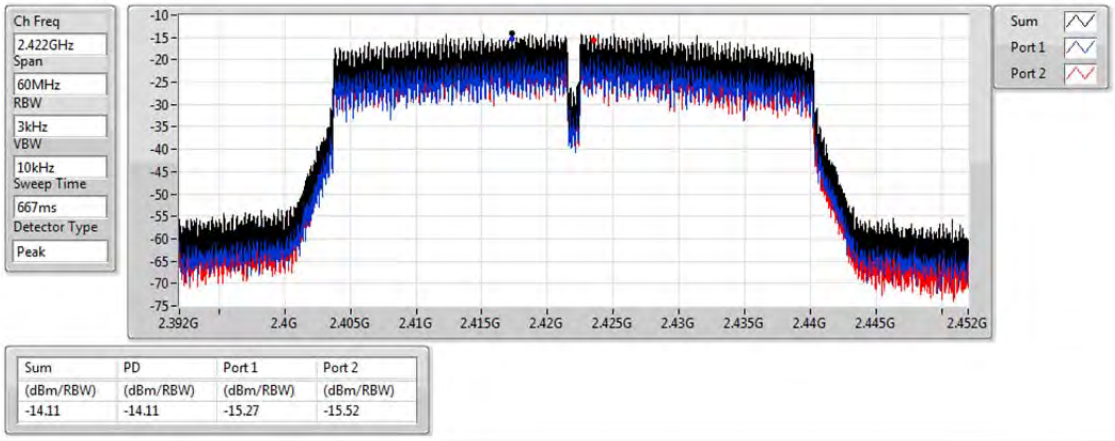
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.32	-8.32	-10.16	-10.69

802.11n HT40_Nss2,(MCS8)_2TX **PSD**

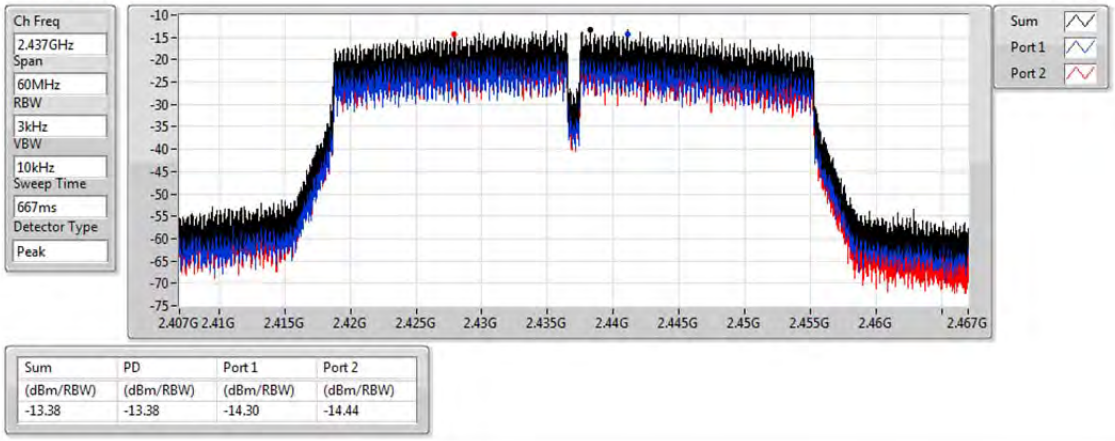
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.11	-14.11	-15.27	-15.52

802.11n HT40_Nss2,(MCS8)_2TX **PSD**

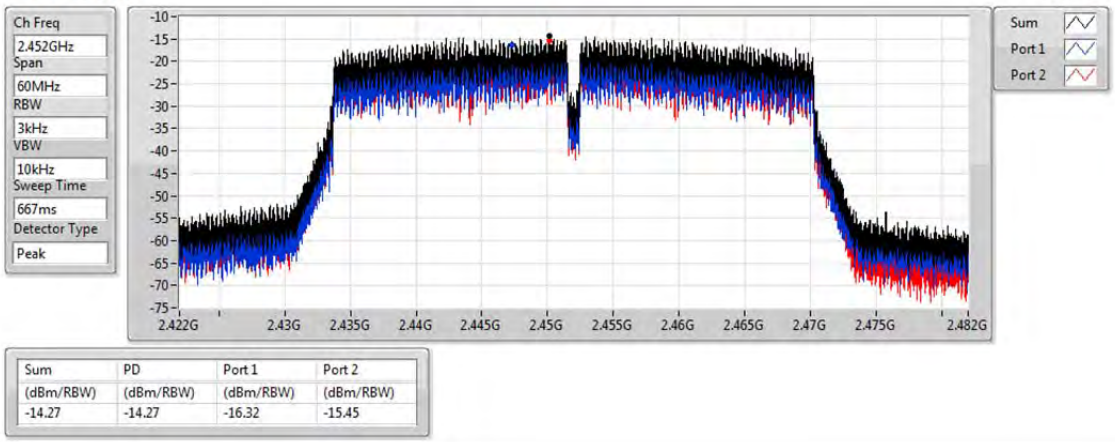
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.38	-13.38	-14.30	-14.44

802.11n HT40_Nss2,(MCS8)_2TX **PSD**

2452MHz



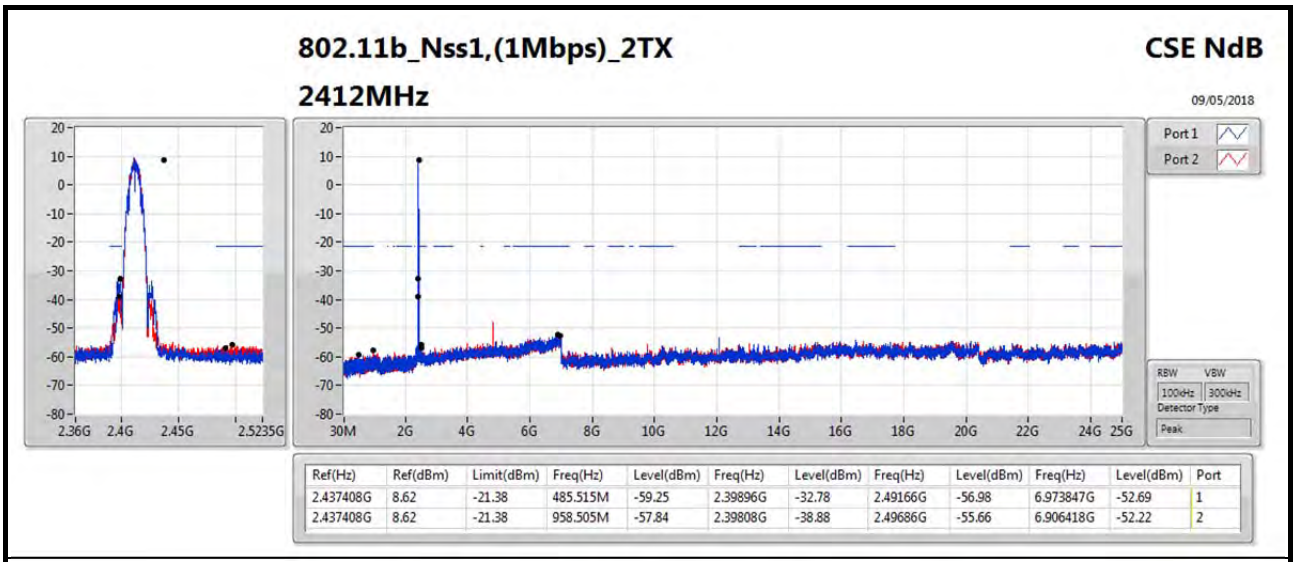
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.27	-14.27	-16.32	-15.45

Summary

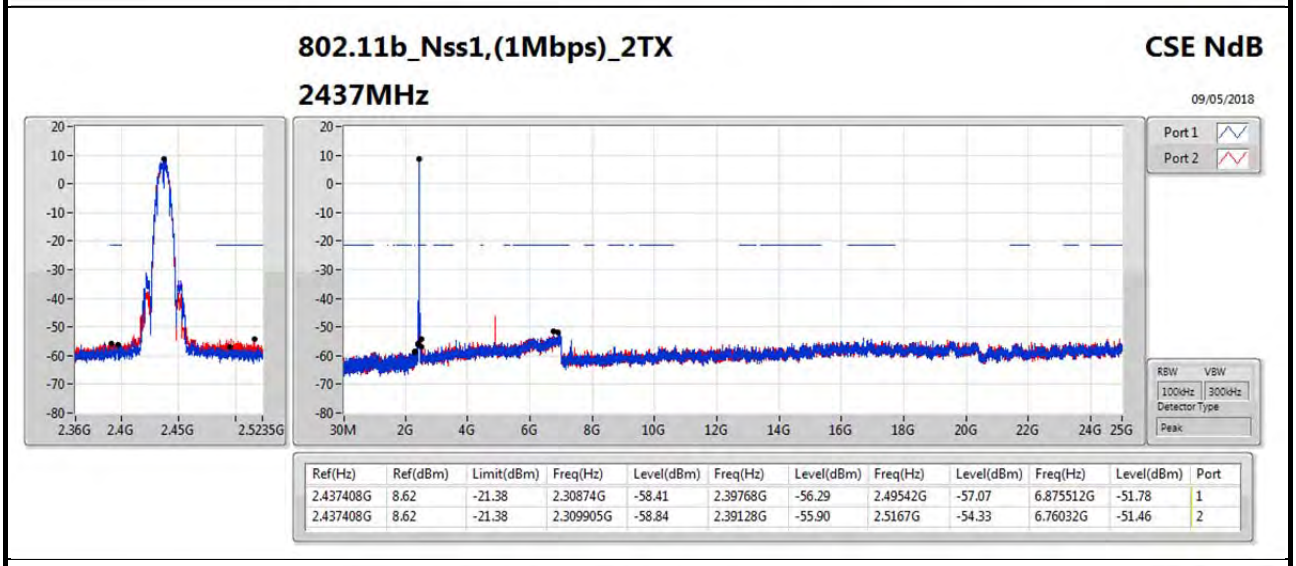
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.437408G	8.62	-21.38	485.515M	-59.25	2.39896G	-32.78	2.49166G	-56.98	6.973847G	-52.69	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.436406G	2.64	-27.36	2.30408G	-59.11	2.39832G	-27.97	2.51382G	-55.7	6.757511G	-52.31	2
802.11n HT20_Nss2,(MCS8)_2TX	Pass	2.43507G	1.27	-28.73	1.909145G	-57.62	2.3992G	-31.66	2.50878G	-55.94	6.95699G	-52.32	1
802.11n HT40_Nss2,(MCS8)_2TX	Pass	2.435738G	-3.72	-33.72	919.665M	-57.97	2.39744G	-39.86	2.49006G	-56.4	6.888135G	-52.39	1

Result

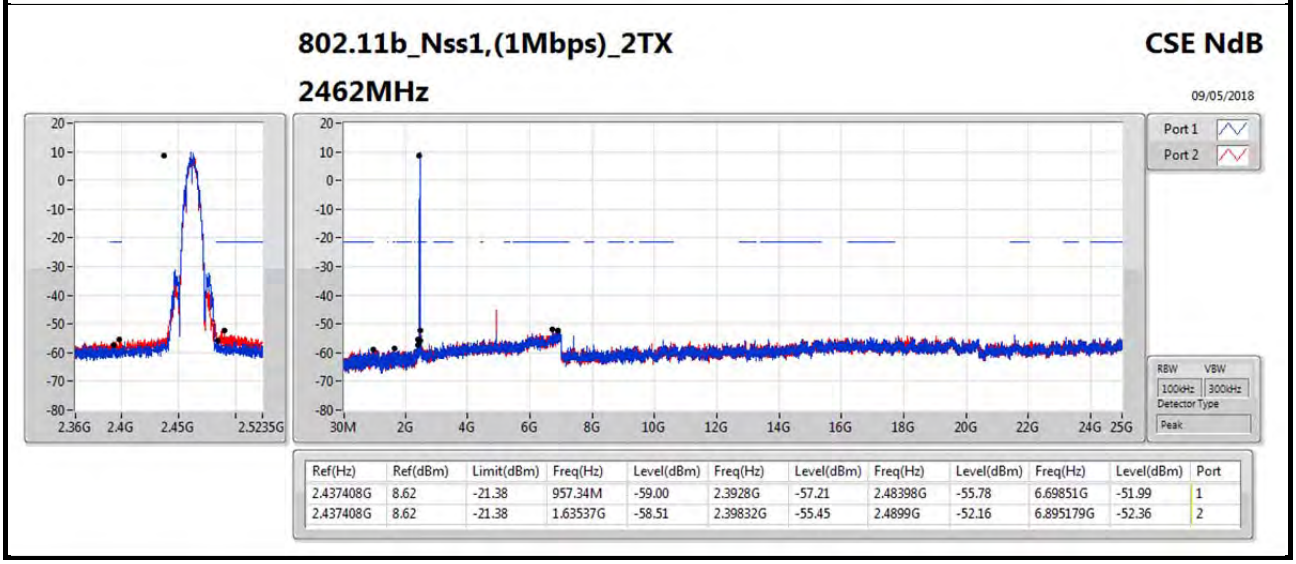
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.437408G	8.62	-21.38	485.515M	-59.25	2.39896G	-32.78	2.49166G	-56.98	6.973847G	-52.69	1
2412MHz	Pass	2.437408G	8.62	-21.38	958.505M	-57.84	2.39808G	-38.88	2.49686G	-55.66	6.906418G	-52.22	2
2437MHz	Pass	2.437408G	8.62	-21.38	2.30874G	-58.41	2.39768G	-56.29	2.49542G	-57.07	6.875512G	-51.78	1
2437MHz	Pass	2.437408G	8.62	-21.38	2.309905G	-58.84	2.39128G	-55.9	2.5167G	-54.33	6.76032G	-51.46	2
2462MHz	Pass	2.437408G	8.62	-21.38	957.34M	-59	2.3928G	-57.21	2.48398G	-55.78	6.69851G	-51.99	1
2462MHz	Pass	2.437408G	8.62	-21.38	1.63537G	-58.51	2.39832G	-55.45	2.4899G	-52.16	6.895179G	-52.36	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.436406G	2.64	-27.36	1.6377G	-58.43	2.39984G	-29.06	2.4851G	-55.84	6.990704G	-52.36	1
2412MHz	Pass	2.436406G	2.64	-27.36	2.30408G	-59.11	2.39832G	-27.97	2.51382G	-55.7	6.757511G	-52.31	2
2437MHz	Pass	2.436406G	2.64	-27.36	2.09671G	-58.37	2.39288G	-55.82	2.49998G	-55.81	6.990704G	-52.4	1
2437MHz	Pass	2.436406G	2.64	-27.36	2.109525G	-58.62	2.3996G	-54.35	2.49382G	-55.57	6.996324G	-51.75	2
2462MHz	Pass	2.436406G	2.64	-27.36	1.909145G	-58.42	2.39312G	-56.74	2.48358G	-44.29	6.836178G	-52.37	1
2462MHz	Pass	2.436406G	2.64	-27.36	1.6377G	-58.95	2.39776G	-54.91	2.48414G	-45.58	6.948561G	-52.02	2
802.11n HT20_Nss2,(MCS8)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43507G	1.27	-28.73	1.909145G	-57.62	2.3992G	-31.66	2.50878G	-55.94	6.95699G	-52.32	1
2412MHz	Pass	2.43507G	1.27	-28.73	2.309905G	-58.04	2.3992G	-32.04	2.48958G	-56.05	6.973847G	-52.17	2
2437MHz	Pass	2.43507G	1.27	-28.73	1.77051G	-57.74	2.39648G	-55.81	2.50646G	-55.07	6.791225G	-52.6	1
2437MHz	Pass	2.43507G	1.27	-28.73	2.307575G	-58.2	2.3936G	-53.3	2.49246G	-55.35	6.959799G	-51.63	2
2462MHz	Pass	2.43507G	1.27	-28.73	1.648185G	-58.64	2.39736G	-56.87	2.48382G	-44.19	6.788416G	-52.11	1
2462MHz	Pass	2.43507G	1.27	-28.73	2.16428G	-59.24	2.3992G	-55.82	2.48446G	-47.6	6.985085G	-52.4	2
802.11n HT40_Nss2,(MCS8)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.435738G	-3.72	-33.72	919.665M	-57.97	2.39744G	-39.86	2.49006G	-56.4	6.888135G	-52.39	1
2422MHz	Pass	2.435738G	-3.72	-33.72	2.17573G	-58	2.39728G	-39.99	2.50622G	-56.95	6.907767G	-52.27	2
2437MHz	Pass	2.435738G	-3.72	-33.72	875.01M	-58.17	2.39968G	-45.26	2.48382G	-54.19	6.994709G	-51.71	1
2437MHz	Pass	2.435738G	-3.72	-33.72	2.30626G	-58.93	2.39984G	-45.28	2.49694G	-56.12	6.885331G	-52.39	2
2452MHz	Pass	2.435738G	-3.72	-33.72	2.07497G	-58.05	2.392G	-56.06	2.48446G	-44.3	6.851676G	-52.66	1
2452MHz	Pass	2.435738G	-3.72	-33.72	926.535M	-58.32	2.39856G	-54.85	2.48654G	-44.93	6.95264G	-51.41	2



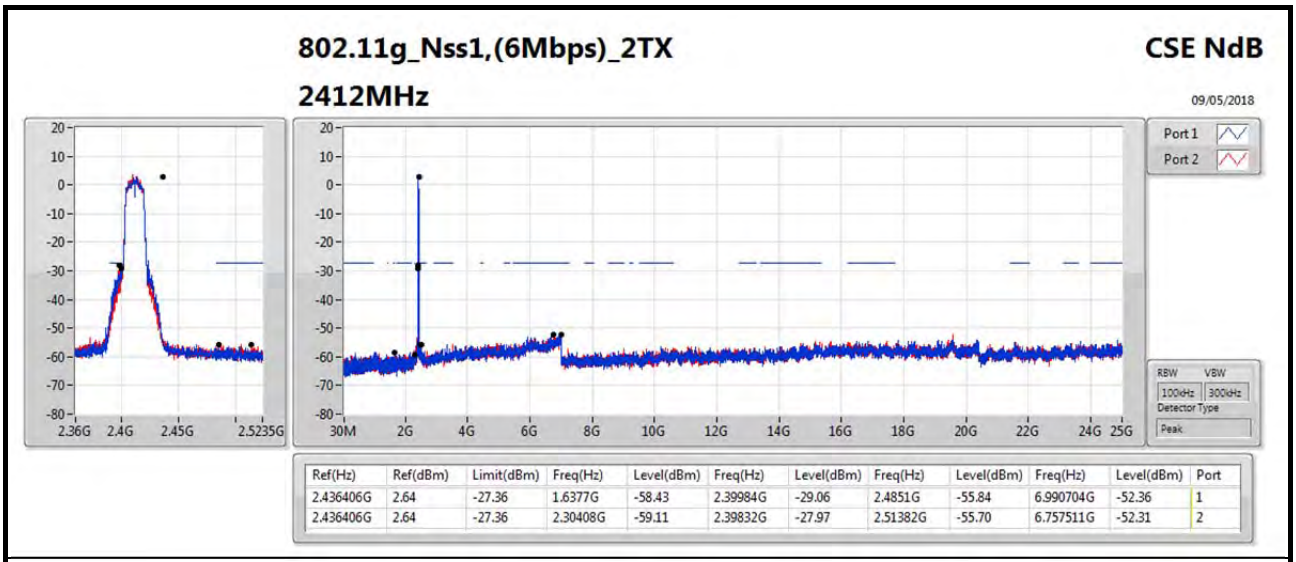
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	8.62	-21.38	485.515M	-59.25	2.39896G	-32.78	2.49166G	-56.98	6.973847G	-52.69	1
2.437408G	8.62	-21.38	958.505M	-57.84	2.39808G	-38.88	2.49686G	-55.66	6.906418G	-52.22	2



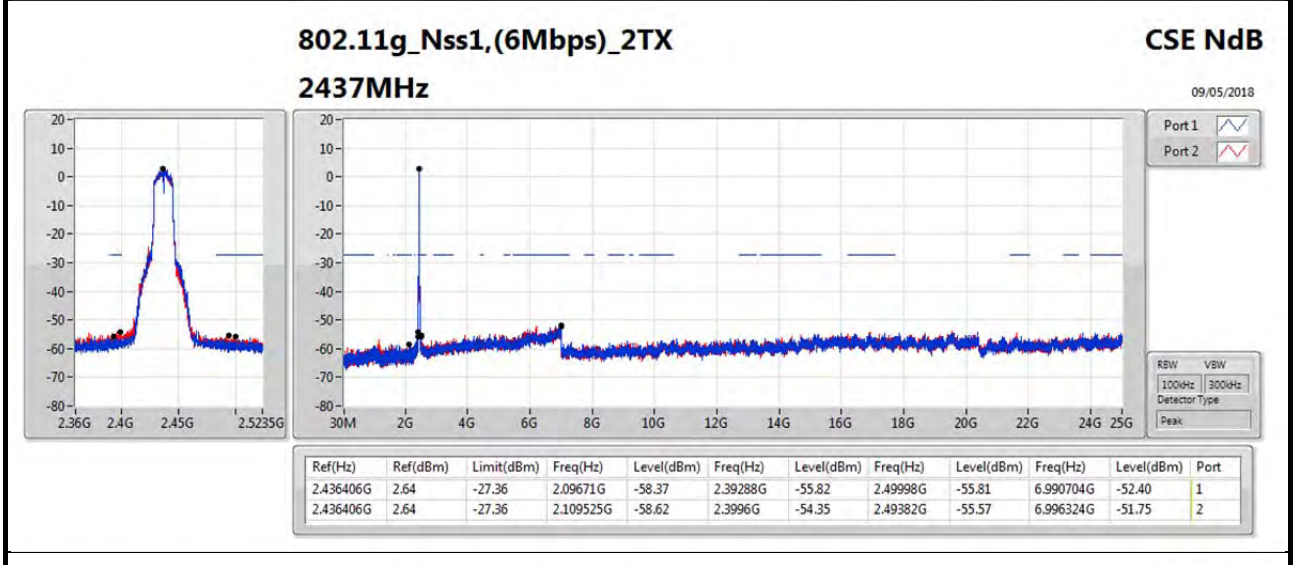
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	8.62	-21.38	2.30874G	-58.41	2.39768G	-56.29	2.49542G	-57.07	6.875512G	-51.78	1
2.437408G	8.62	-21.38	2.309905G	-58.84	2.39128G	-55.90	2.5167G	-54.33	6.76032G	-51.46	2



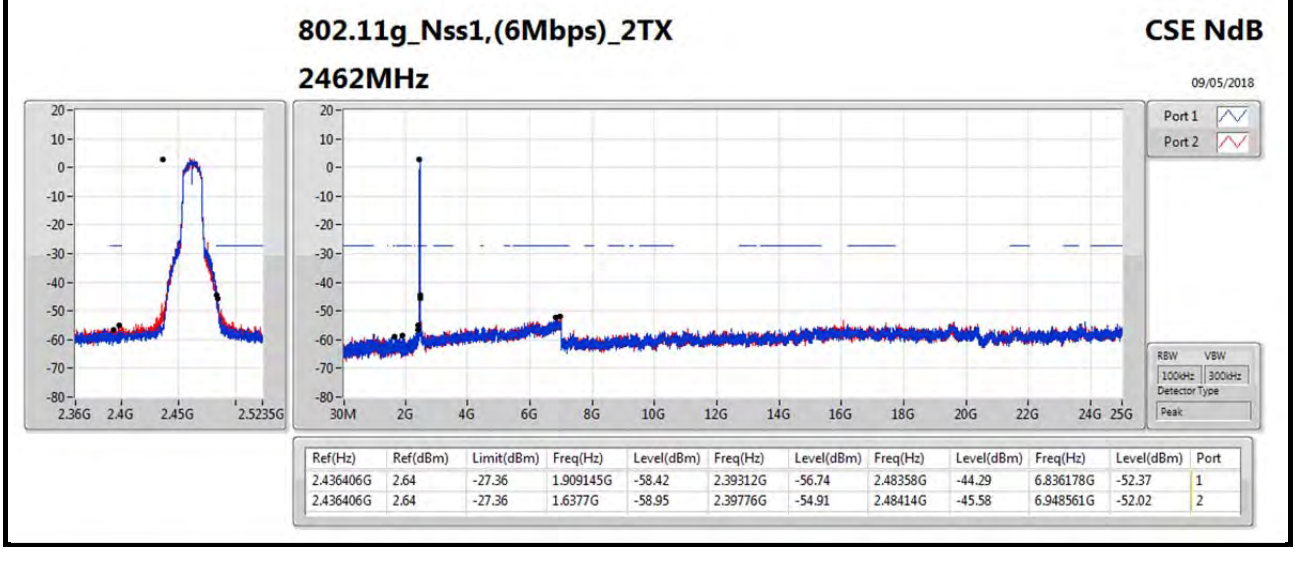
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	8.62	-21.38	957.34M	-59.00	2.3928G	-57.21	2.48398G	-55.78	6.69851G	-51.99	1
2.437408G	8.62	-21.38	1.63537G	-58.51	2.39832G	-55.45	2.4899G	-52.16	6.895179G	-52.36	2



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	2.64	-27.36	1.6377G	-58.43	2.39984G	-29.06	2.4851G	-55.84	6.990704G	-52.36	1
2.436406G	2.64	-27.36	2.30408G	-59.11	2.39832G	-27.97	2.51382G	-55.70	6.757511G	-52.31	2



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	2.64	-27.36	2.09671G	-58.37	2.39288G	-55.82	2.49998G	-55.81	6.990704G	-52.40	1
2.436406G	2.64	-27.36	2.109525G	-58.62	2.3996G	-54.35	2.49382G	-55.57	6.996324G	-51.75	2

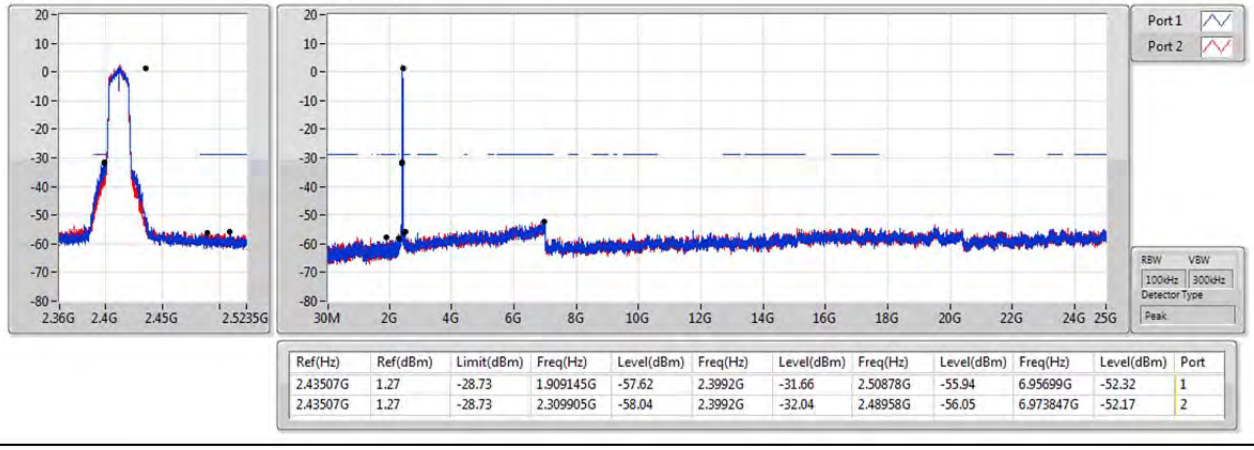


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	2.64	-27.36	1.909145G	-58.42	2.39312G	-56.74	2.48358G	-44.29	6.836178G	-52.37	1
2.436406G	2.64	-27.36	1.6377G	-58.95	2.39776G	-54.91	2.48414G	-45.58	6.948561G	-52.02	2

802.11n HT20_Nss2,(MCS8)_2TX **CSE NdB**

2412MHz

09/05/2018

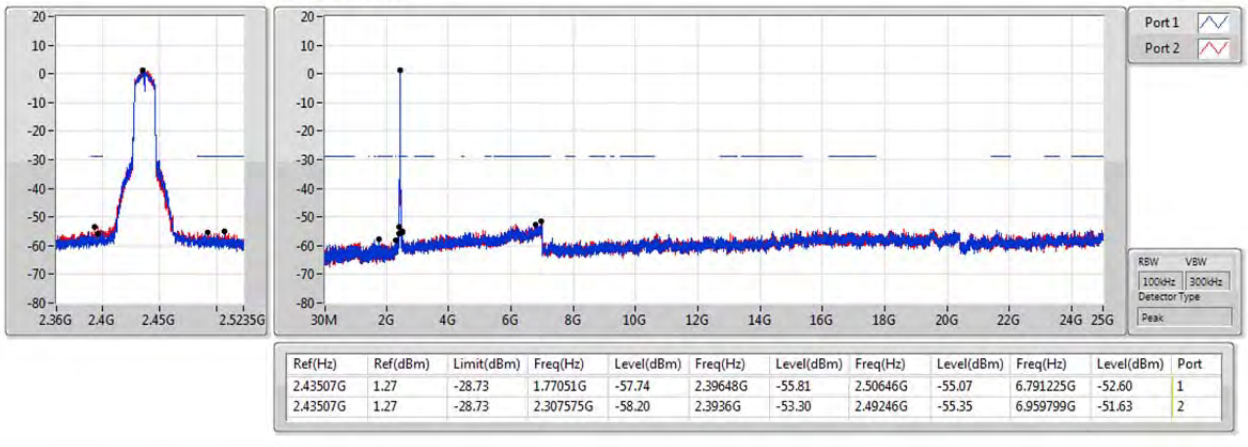


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	1.27	-28.73	1.909145G	-57.62	2.3992G	-31.66	2.50878G	-55.94	6.95699G	-52.32	1
2.43507G	1.27	-28.73	2.309905G	-58.04	2.3992G	-32.04	2.48958G	-56.05	6.973847G	-52.17	2

802.11n HT20_Nss2,(MCS8)_2TX **CSE NdB**

2437MHz

09/05/2018

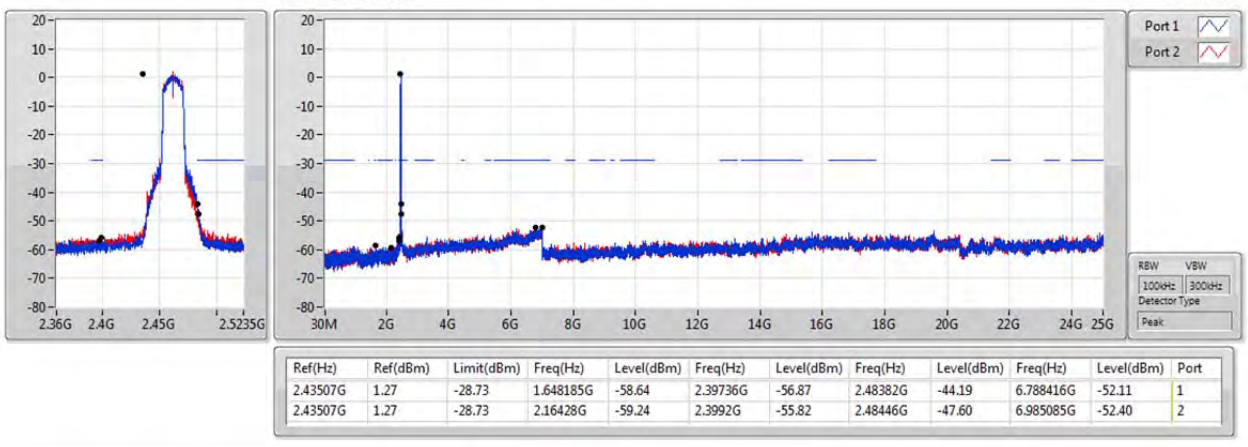


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	1.27	-28.73	1.77051G	-57.74	2.39648G	-55.81	2.50646G	-55.07	6.791225G	-52.60	1
2.43507G	1.27	-28.73	2.307575G	-58.20	2.3936G	-53.30	2.49246G	-55.35	6.959799G	-51.63	2

802.11n HT20_Nss2,(MCS8)_2TX **CSE NdB**

2462MHz

09/05/2018

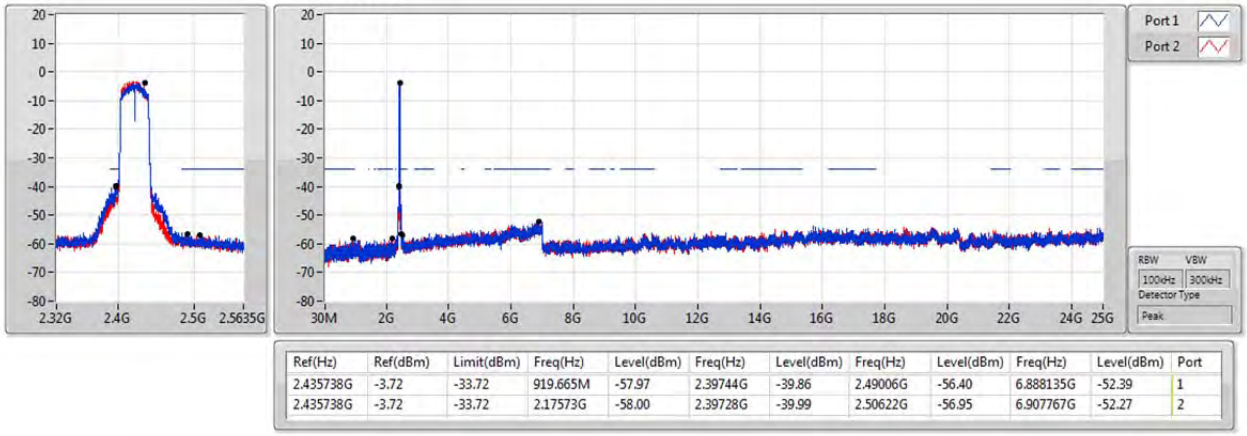


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	1.27	-28.73	1.648185G	-58.64	2.39736G	-56.87	2.48382G	-44.19	6.788416G	-52.11	1
2.43507G	1.27	-28.73	2.16428G	-59.24	2.3992G	-55.82	2.48446G	-47.60	6.985085G	-52.40	2

802.11n HT40_Nss2,(MCS8)_2TX **CSE NdB**

2422MHz

09/05/2018

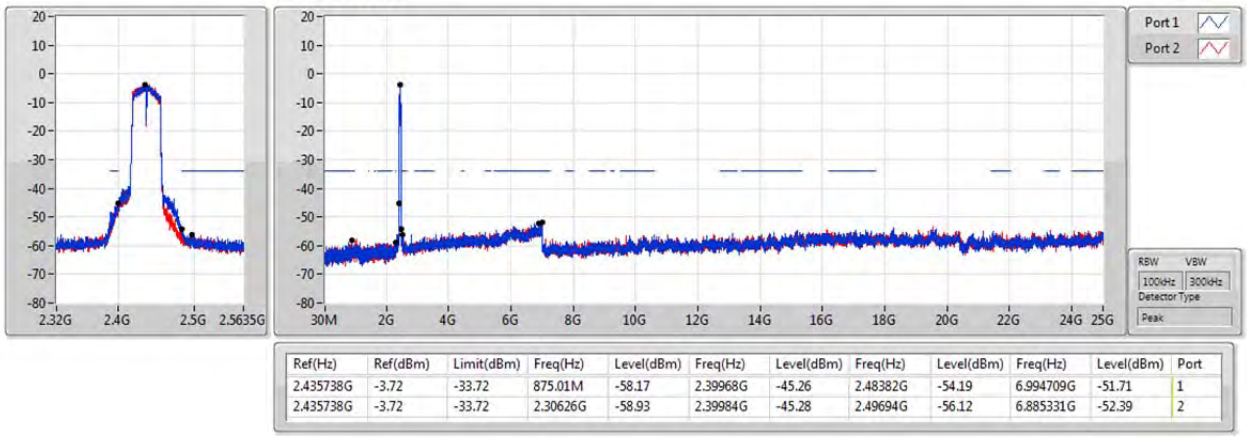


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	-3.72	-33.72	919.665M	-57.97	2.39744G	-39.86	2.49006G	-56.40	6.888135G	-52.39	1
2.435738G	-3.72	-33.72	2.17573G	-58.00	2.39728G	-39.99	2.50622G	-56.95	6.907767G	-52.27	2

802.11n HT40_Nss2,(MCS8)_2TX **CSE NdB**

2437MHz

09/05/2018

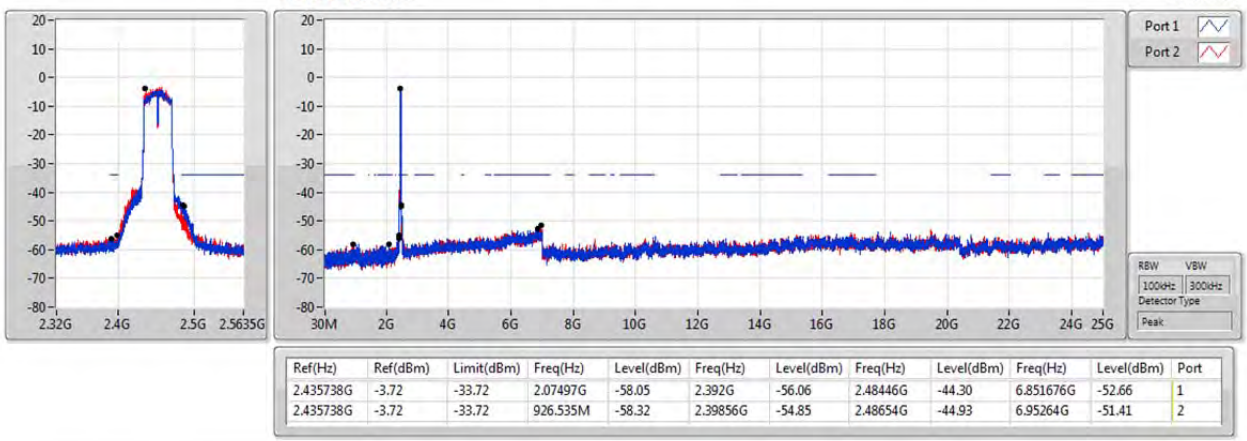


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	-3.72	-33.72	875.01M	-58.17	2.39968G	-45.26	2.48382G	-54.19	6.994709G	-51.71	1
2.435738G	-3.72	-33.72	2.30626G	-58.93	2.39984G	-45.28	2.49694G	-56.12	6.885331G	-52.39	2

802.11n HT40_Nss2,(MCS8)_2TX **CSE NdB**

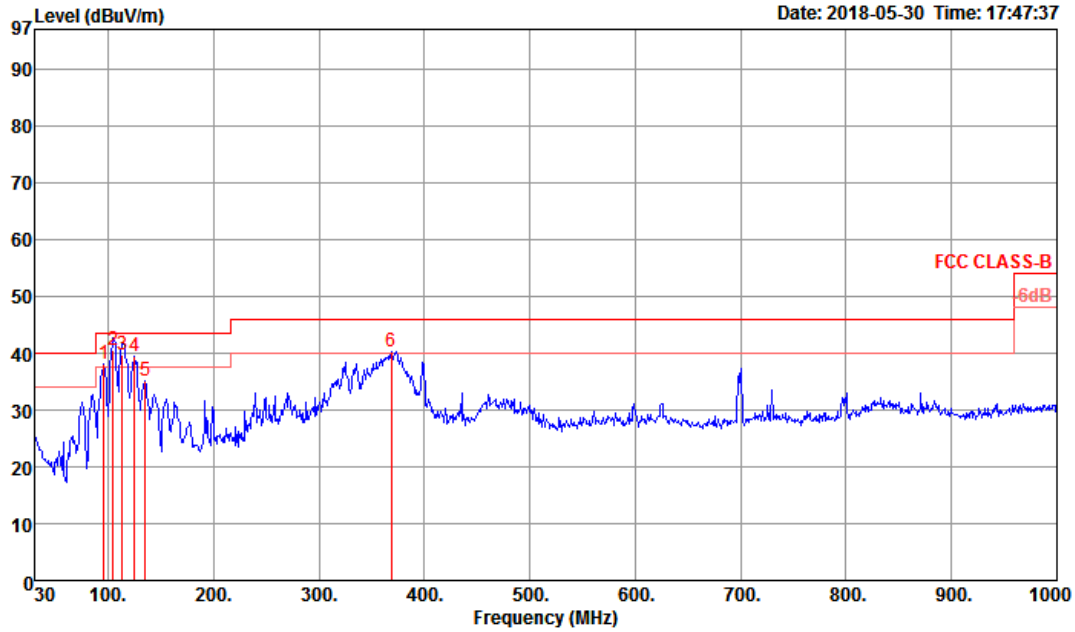
2452MHz

09/05/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	-3.72	-33.72	2.07497G	-58.05	2.392G	-56.06	2.48446G	-44.30	6.851676G	-52.66	1
2.435738G	-3.72	-33.72	926.535M	-58.32	2.39856G	-54.85	2.48654G	-44.93	6.95264G	-51.41	2

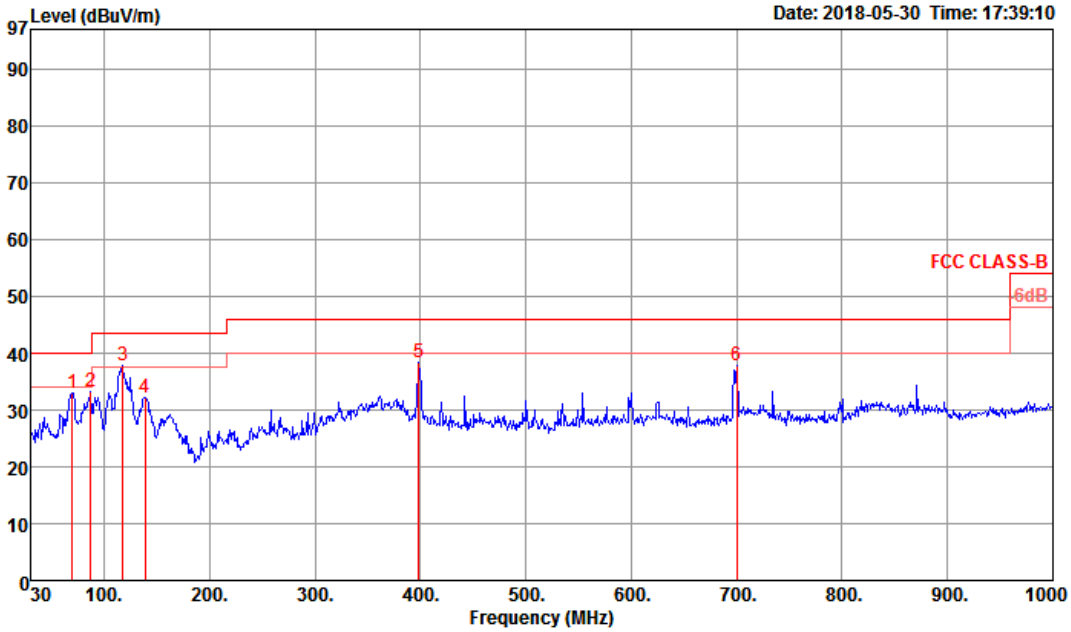
RSE below 1GHz Result			
Operating Mode	3	**Polarization**	Horizontal
Operating Function	Normal Link - EUT 2 in Z axis: 2.4GHz + Bluetooth		



	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	95.96	38.06	43.50	-5.44	52.42	1.21	16.15	31.72	100	0	Peak	HORIZONTAL
2	104.69	40.49	43.50	-3.01	53.61	1.27	17.35	31.74	272	167	QP	HORIZONTAL
3	113.42	39.81	43.50	-3.69	52.20	1.32	18.03	31.74	268	178	QP	HORIZONTAL
4	125.06	39.52	43.50	-3.98	51.72	1.39	18.17	31.76	100	0	Peak	HORIZONTAL
5	134.76	35.07	43.50	-8.43	47.66	1.44	17.73	31.76	100	0	Peak	HORIZONTAL
6	368.53	40.34	46.00	-5.66	49.61	2.38	20.36	32.01	100	0	Peak	HORIZONTAL

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

RSE below 1GHz Result			
Operating Mode	3	**Polarization**	Vertical
Operating Function	Normal Link - EUT 2 in Z axis: 2.4GHz + Bluetooth		



	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	69.77	33.03	40.00	-6.97	51.34	1.03	12.33	31.67	300	360	Peak	VERTICAL
2	87.23	33.15	40.00	-6.85	49.44	1.14	14.28	31.71	300	360	Peak	VERTICAL
3	117.30	37.81	43.50	-5.69	49.95	1.35	18.26	31.75	300	360	Peak	VERTICAL
4	138.64	32.25	43.50	-11.25	45.23	1.46	17.33	31.77	300	360	Peak	VERTICAL
5	398.60	38.44	46.00	-7.56	46.71	2.45	21.33	32.05	300	360	Peak	VERTICAL
6	700.27	37.95	46.00	-8.05	42.34	3.30	24.75	32.44	300	360	Peak	VERTICAL

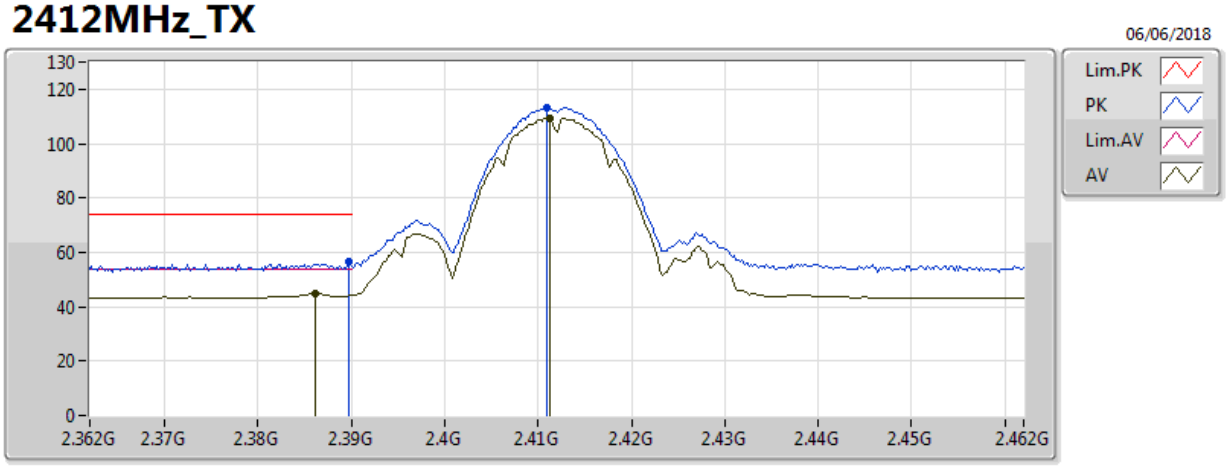
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Test Mode: Mode 1
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	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.92388G	52.13	54.00	-1.87	4.40	3	Vertical	306	2.62	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

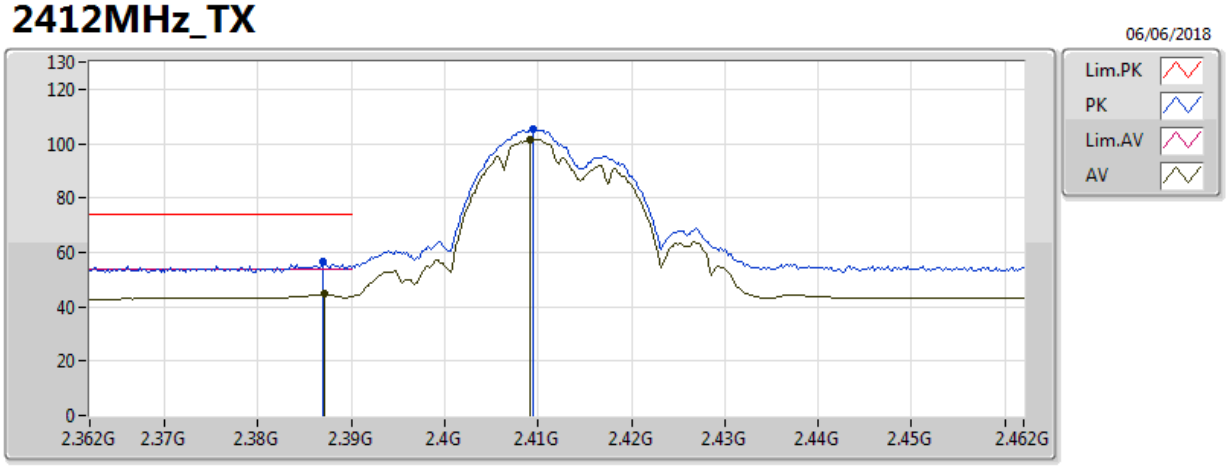


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	56.35	74.00	-17.65	30.97	3	Vertical	142	1.12	-
AV	2.3862G	44.67	54.00	-9.33	30.97	3	Vertical	142	1.12	-
PK	2.411G	113.40	Inf	-Inf	30.96	3	Vertical	142	1.12	-
AV	2.4112G	109.40	Inf	-Inf	30.96	3	Vertical	142	1.12	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

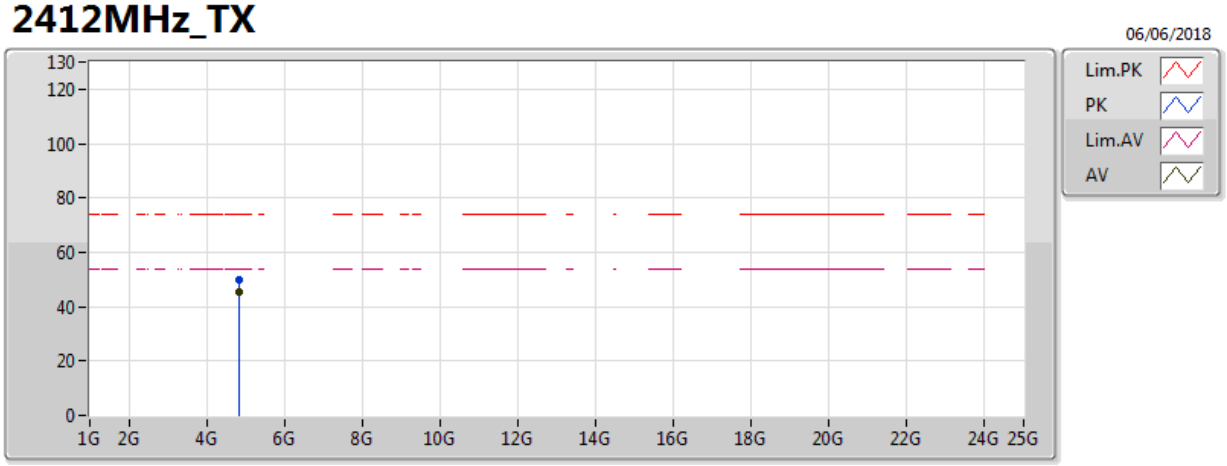


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	56.50	74.00	-17.50	30.97	3	Horizontal	336	1.56	-
AV	2.3872G	44.64	54.00	-9.36	30.97	3	Horizontal	336	1.56	-
PK	2.4094G	105.42	Inf	-Inf	30.96	3	Horizontal	336	1.56	-
AV	2.4092G	101.38	Inf	-Inf	30.96	3	Horizontal	336	1.56	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

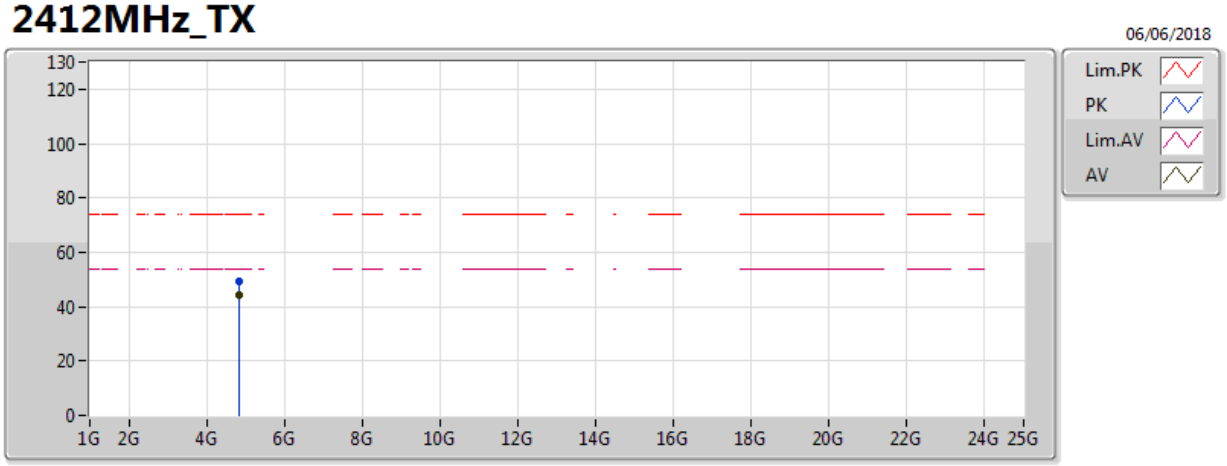


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82412G	49.96	74.00	-24.04	4.00	3	Vertical	308	2.69	-
AV	4.82394G	45.36	54.00	-8.64	4.00	3	Vertical	308	2.69	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

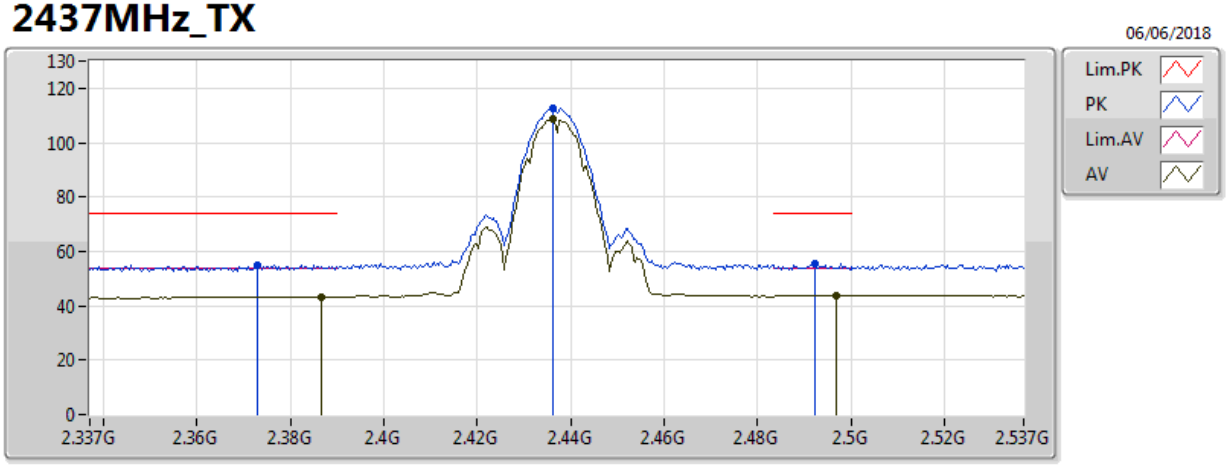


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82388G	49.11	74.00	-24.89	4.00	3	Horizontal	356	1.05	-
AV	4.82394G	44.12	54.00	-9.88	4.00	3	Horizontal	356	1.05	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

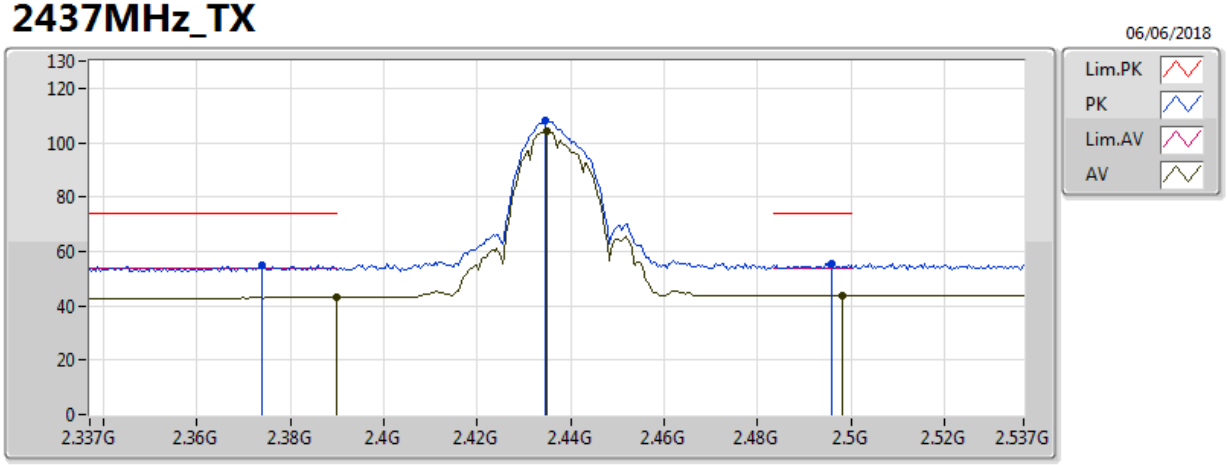


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.373G	55.09	74.00	-18.91	31.01	3	Vertical	142	2.21	-
AV	2.3866G	43.22	54.00	-10.78	30.97	3	Vertical	142	2.21	-
PK	2.4362G	112.65	Inf	-Inf	31.03	3	Vertical	142	2.21	-
AV	2.4362G	108.60	Inf	-Inf	31.03	3	Vertical	142	2.21	-
PK	2.4922G	55.75	74.00	-18.25	31.20	3	Vertical	142	2.21	-
AV	2.497G	43.52	54.00	-10.48	31.21	3	Vertical	142	2.21	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

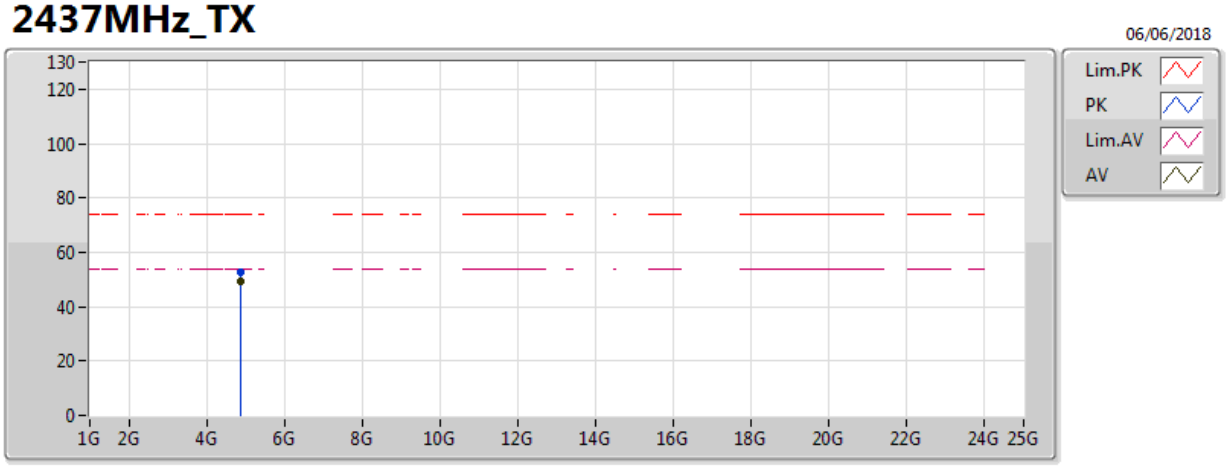


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3738G	54.73	74.00	-19.27	31.01	3	Horizontal	227	1.98	-
AV	2.3898G	43.11	54.00	-10.89	30.97	3	Horizontal	227	1.98	-
PK	2.4346G	108.07	Inf	-Inf	31.03	3	Horizontal	227	1.98	-
AV	2.435G	104.30	Inf	-Inf	31.03	3	Horizontal	227	1.98	-
PK	2.4958G	55.53	74.00	-18.47	31.21	3	Horizontal	227	1.98	-
AV	2.4982G	43.63	54.00	-10.37	31.21	3	Horizontal	227	1.98	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

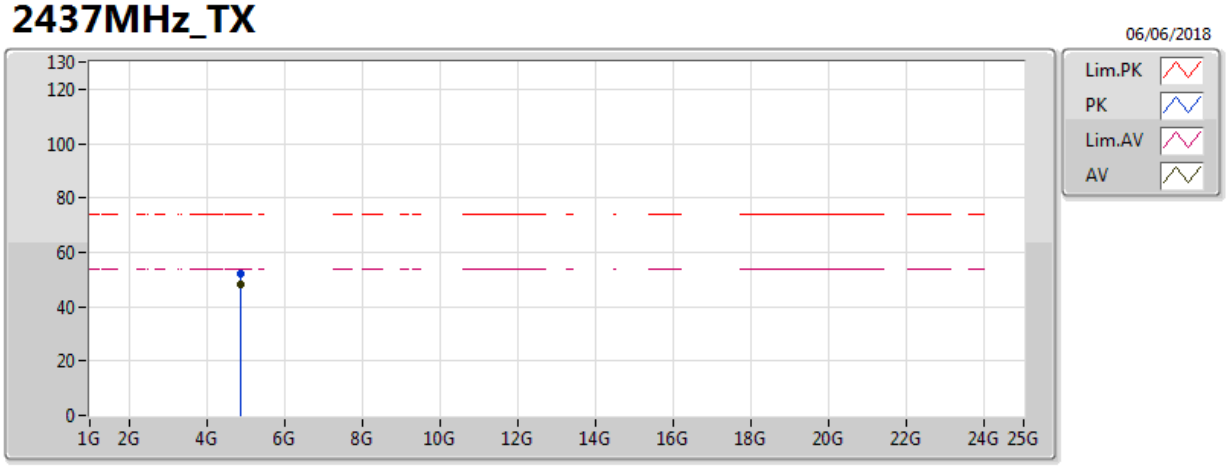


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87388G	52.76	74.00	-21.24	4.20	3	Vertical	306	2.50	-
AV	4.87394G	49.08	54.00	-4.92	4.20	3	Vertical	306	2.50	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

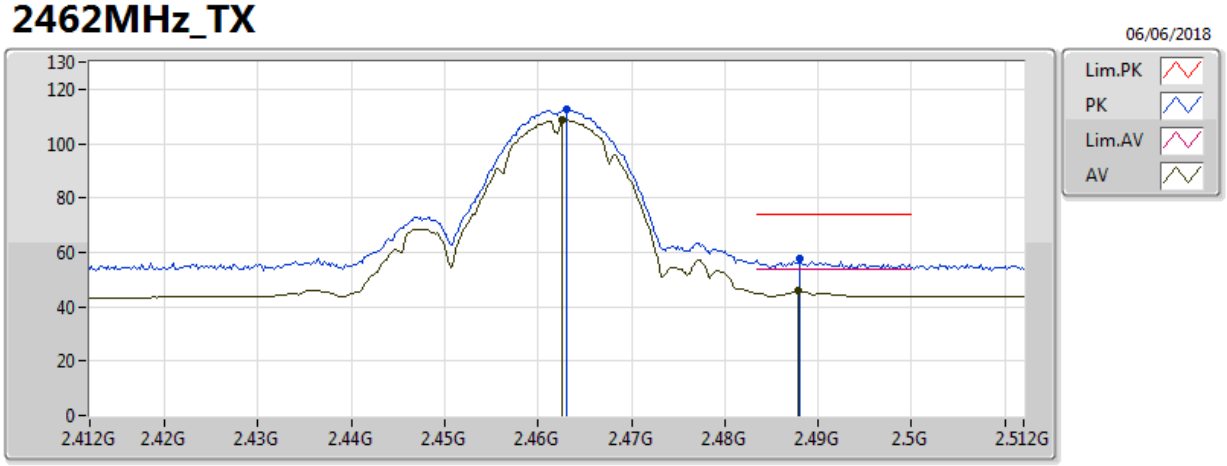


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87394G	51.92	74.00	-22.08	4.20	3	Horizontal	0	1.04	-
AV	4.87394G	48.10	54.00	-5.90	4.20	3	Horizontal	0	1.04	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

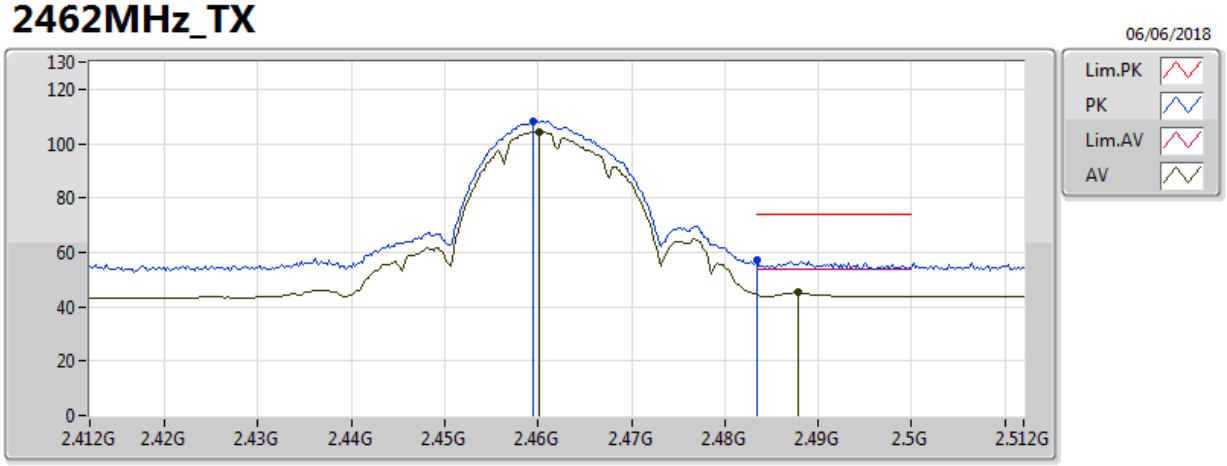


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	112.84	Inf	-Inf	31.11	3	Vertical	238	1.85	-
AV	2.4626G	108.55	Inf	-Inf	31.11	3	Vertical	238	1.85	-
PK	2.488G	57.56	74.00	-16.44	31.19	3	Vertical	238	1.85	-
AV	2.4878G	45.83	54.00	-8.17	31.19	3	Vertical	238	1.85	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

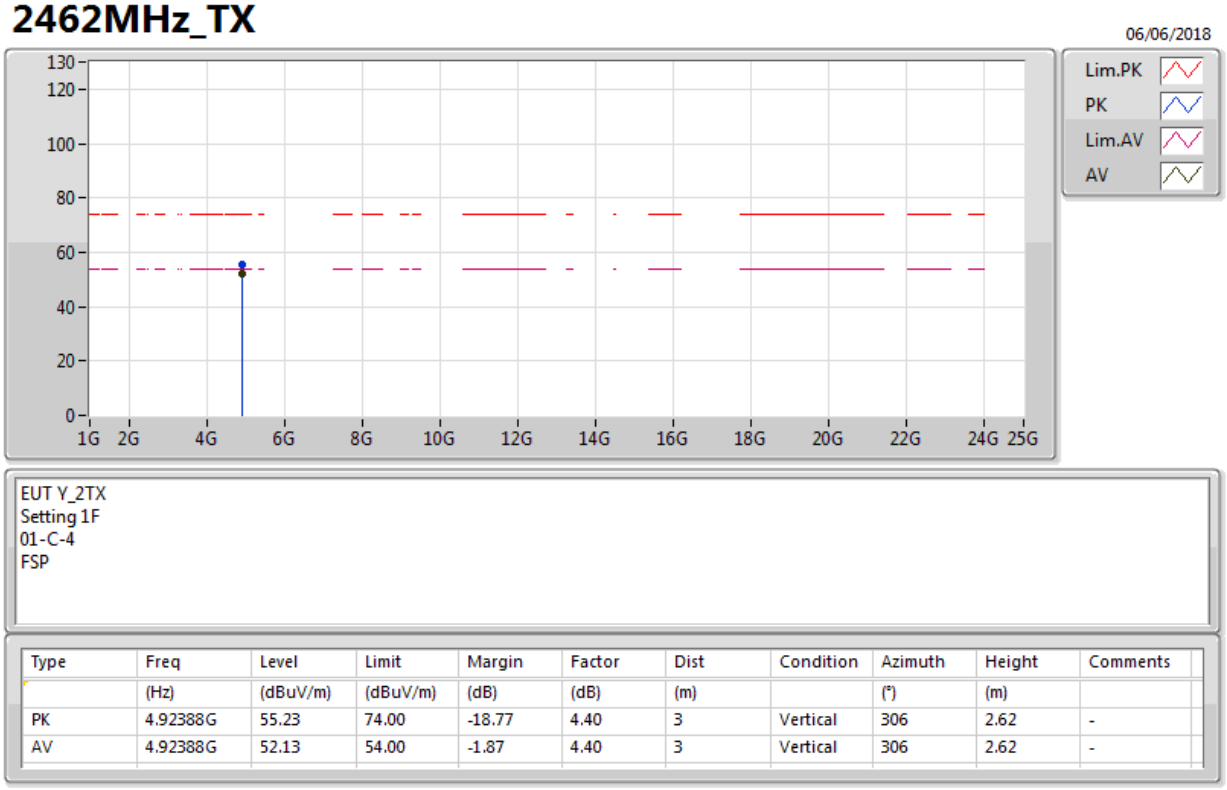


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4594G	108.20	Inf	-Inf	31.10	3	Horizontal	227	1.33	-
AV	2.4602G	104.44	Inf	-Inf	31.10	3	Horizontal	227	1.33	-
PK	2.483502G	57.19	74.00	-16.81	31.17	3	Horizontal	227	1.33	-
AV	2.4878G	45.20	54.00	-8.80	31.19	3	Horizontal	227	1.33	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

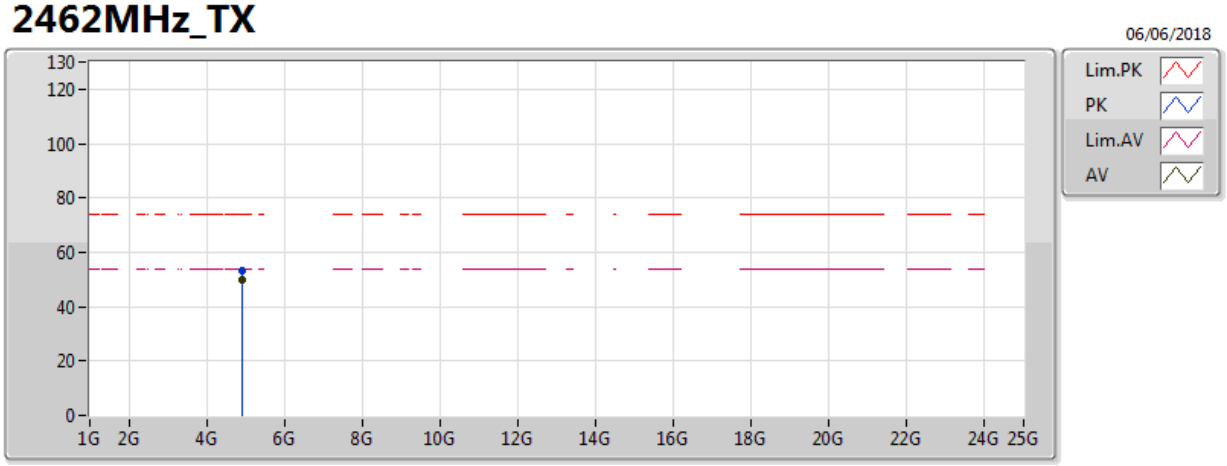


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92388G	55.23	74.00	-18.77	4.40	3	Vertical	306	2.62	-
AV	4.92388G	52.13	54.00	-1.87	4.40	3	Vertical	306	2.62	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

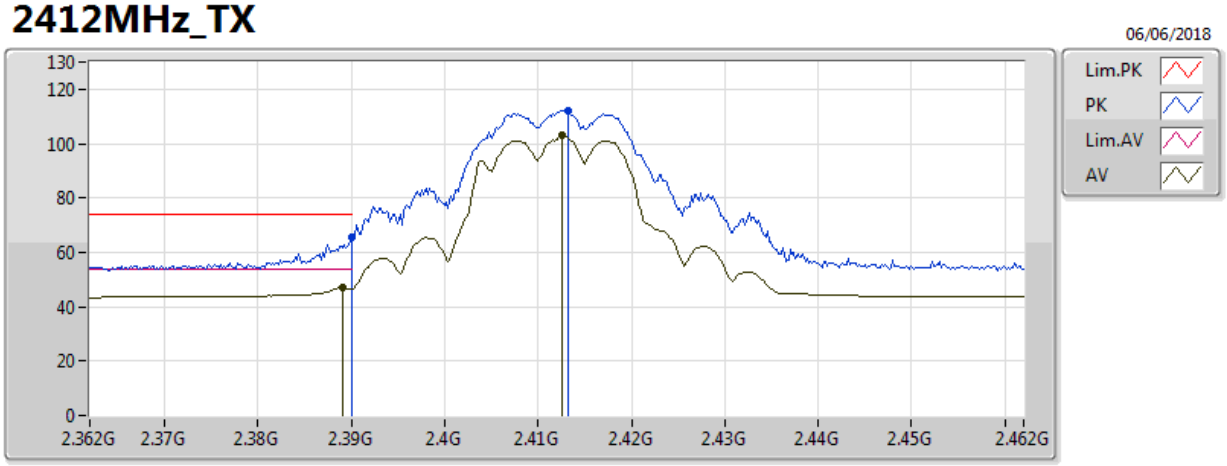


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92388G	53.25	74.00	-20.75	4.40	3	Horizontal	190	1.07	-
AV	4.92394G	49.62	54.00	-4.38	4.40	3	Horizontal	190	1.07	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

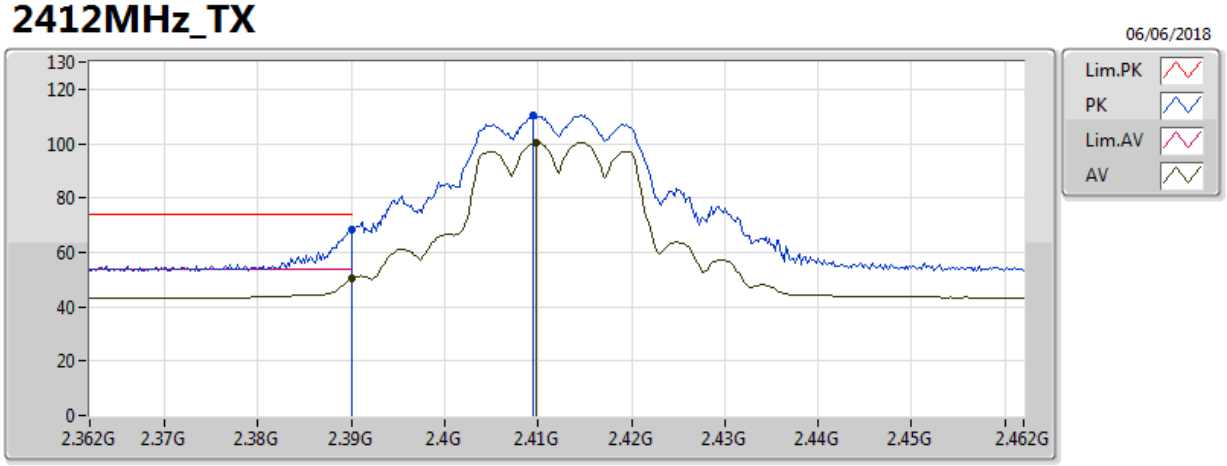


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	65.29	74.00	-8.71	30.97	3	Vertical	144	2.11	-
AV	2.389G	46.98	54.00	-7.02	30.97	3	Vertical	144	2.11	-
PK	2.4132G	112.20	Inf	-Inf	30.97	3	Vertical	144	2.11	-
AV	2.4126G	102.91	Inf	-Inf	30.97	3	Vertical	144	2.11	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

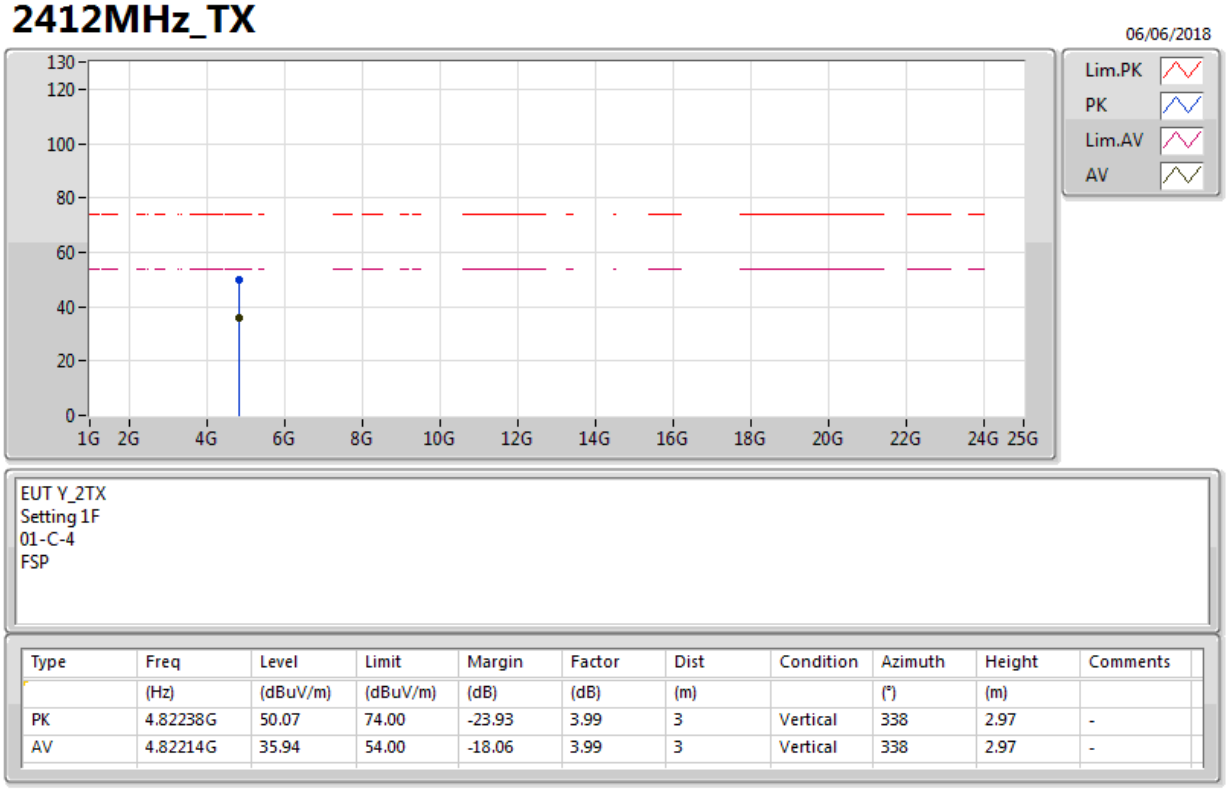


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	68.43	74.00	-5.57	30.97	3	Horizontal	346	1.86	-
AV	2.389998G	50.41	54.00	-3.59	30.97	3	Horizontal	346	1.86	-
PK	2.4094G	110.35	Inf	-Inf	30.96	3	Horizontal	346	1.86	-
AV	2.4098G	100.25	Inf	-Inf	30.96	3	Horizontal	346	1.86	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

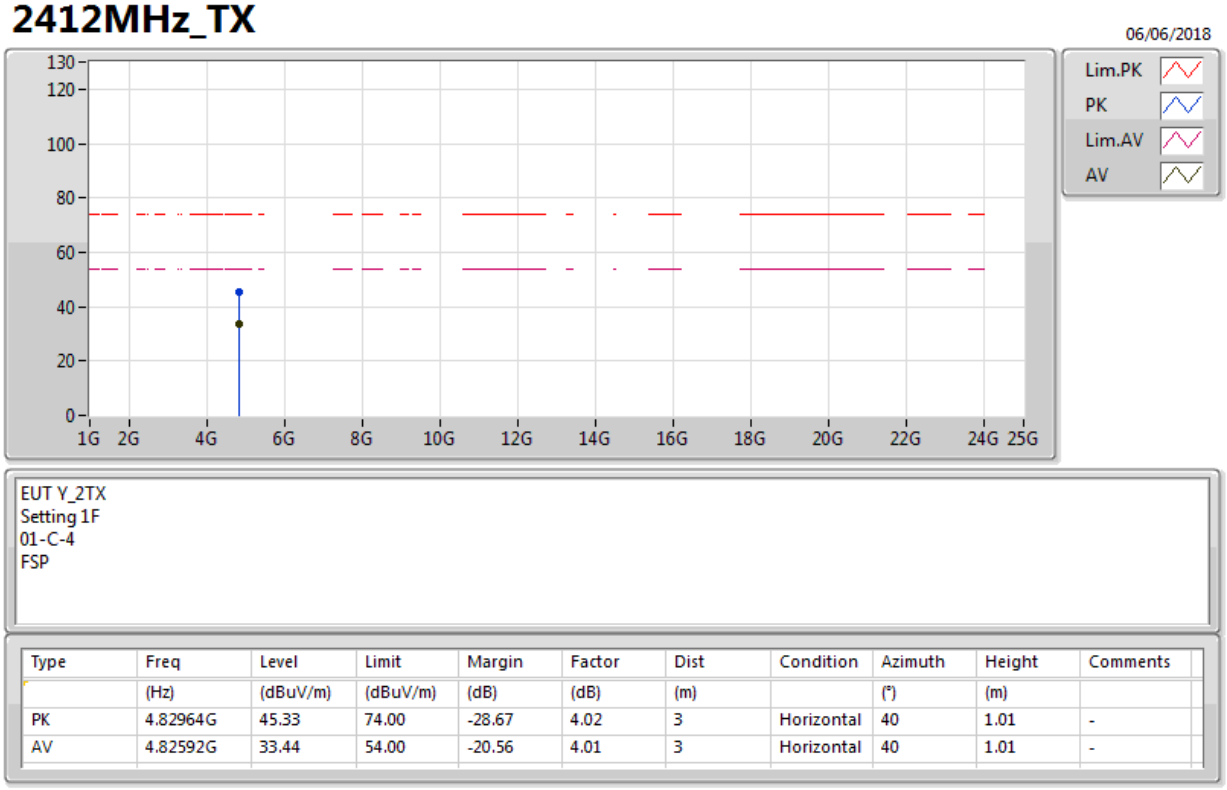


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82238G	50.07	74.00	-23.93	3.99	3	Vertical	338	2.97	-
AV	4.82214G	35.94	54.00	-18.06	3.99	3	Vertical	338	2.97	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

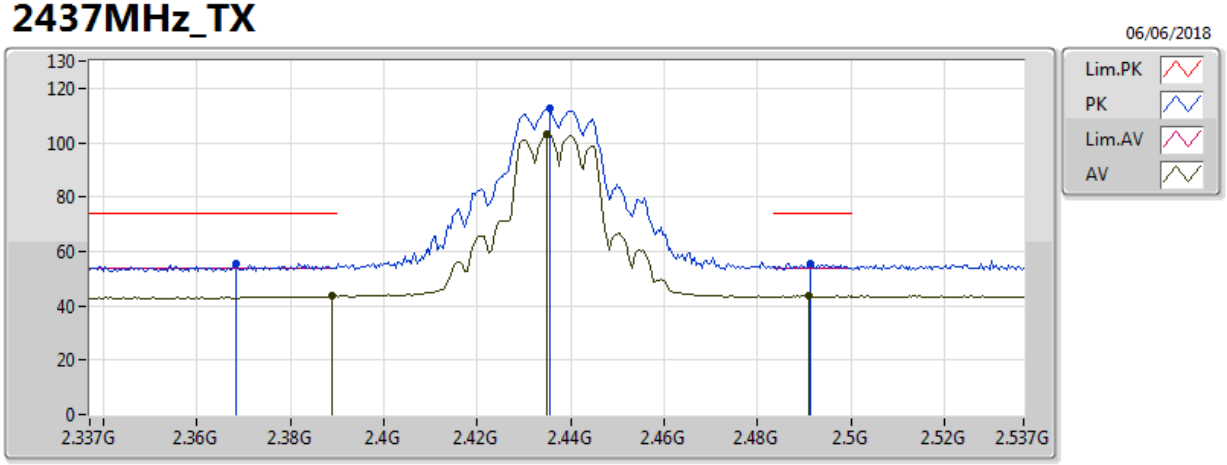


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82964G	45.33	74.00	-28.67	4.02	3	Horizontal	40	1.01	-
AV	4.82592G	33.44	54.00	-20.56	4.01	3	Horizontal	40	1.01	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

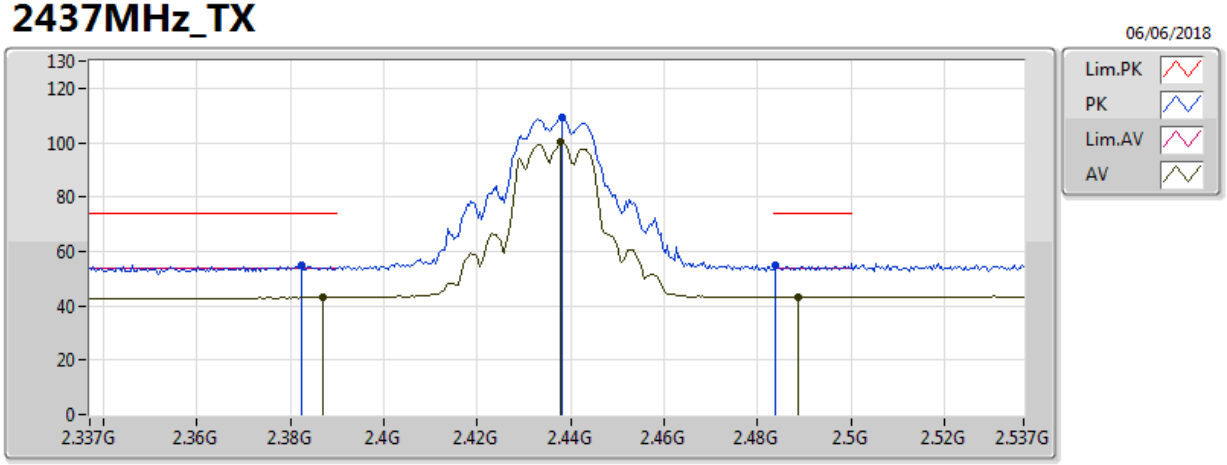


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3682G	55.26	74.00	-18.74	31.03	3	Vertical	169	1.50	-
AV	2.389G	43.58	54.00	-10.42	30.97	3	Vertical	169	1.50	-
PK	2.4354G	112.49	Inf	-Inf	31.03	3	Vertical	169	1.50	-
AV	2.435G	103.13	Inf	-Inf	31.03	3	Vertical	169	1.50	-
PK	2.4914G	55.47	74.00	-18.53	31.19	3	Vertical	169	1.50	-
AV	2.491G	43.53	54.00	-10.47	31.19	3	Vertical	169	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

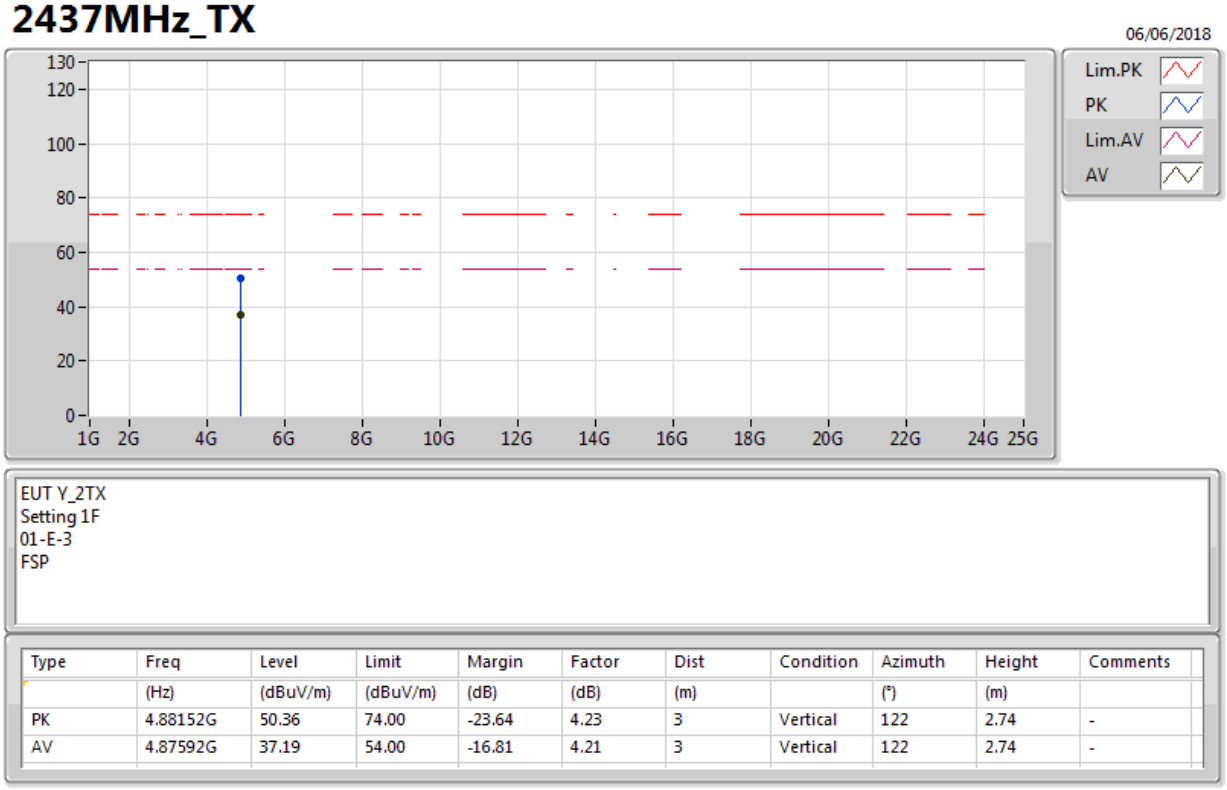


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3822G	54.84	74.00	-19.16	30.99	3	Horizontal	186	1.54	-
AV	2.387G	43.20	54.00	-10.80	30.97	3	Horizontal	186	1.54	-
PK	2.4382G	109.50	Inf	-Inf	31.04	3	Horizontal	186	1.54	-
AV	2.4378G	100.35	Inf	-Inf	31.04	3	Horizontal	186	1.54	-
PK	2.4838G	54.92	74.00	-19.08	31.17	3	Horizontal	186	1.54	-
AV	2.4886G	43.28	54.00	-10.72	31.19	3	Horizontal	186	1.54	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

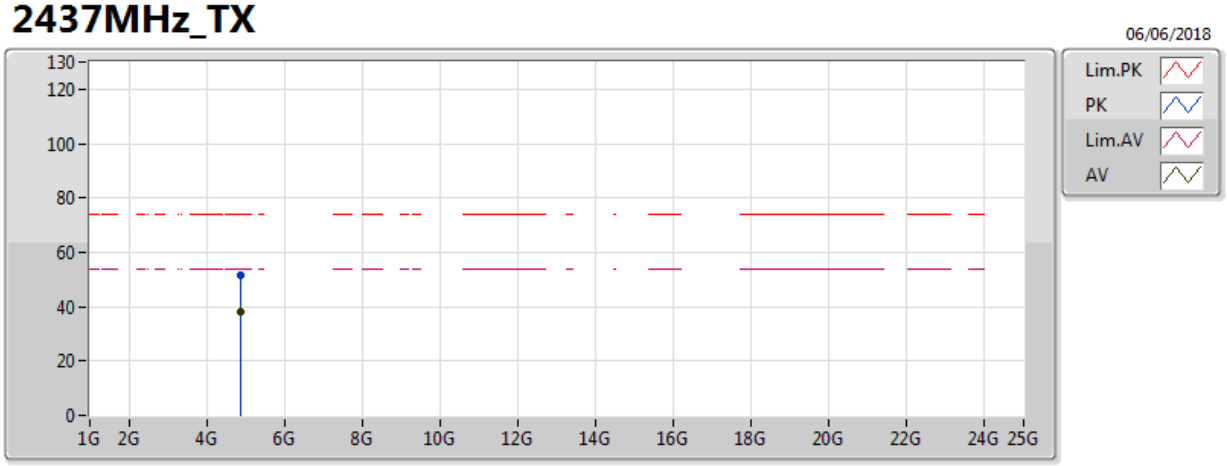


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88152G	50.36	74.00	-23.64	4.23	3	Vertical	122	2.74	-
AV	4.87592G	37.19	54.00	-16.81	4.21	3	Vertical	122	2.74	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

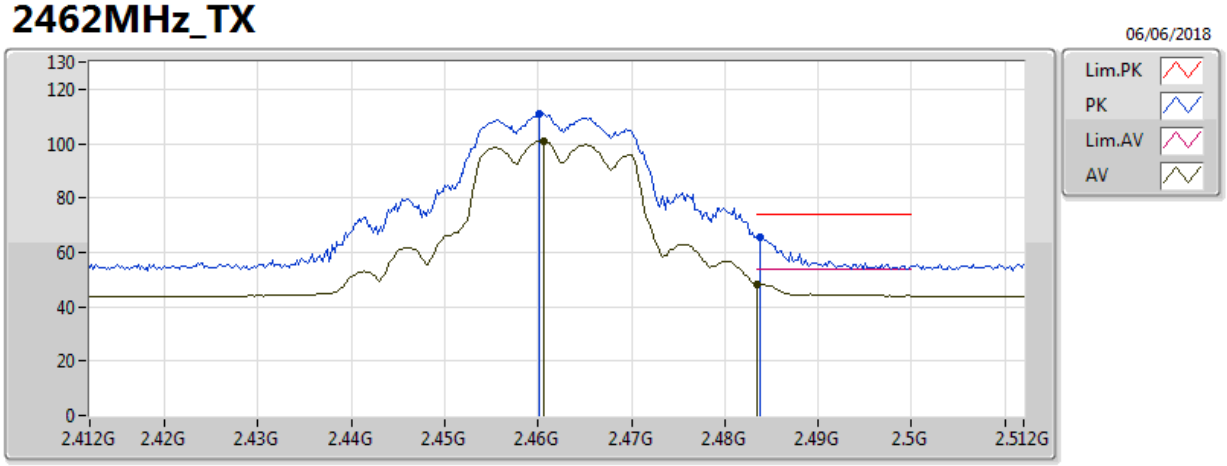


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87632G	51.55	74.00	-22.45	4.21	3	Horizontal	167	1.56	-
AV	4.87608G	38.38	54.00	-15.62	4.21	3	Horizontal	167	1.56	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

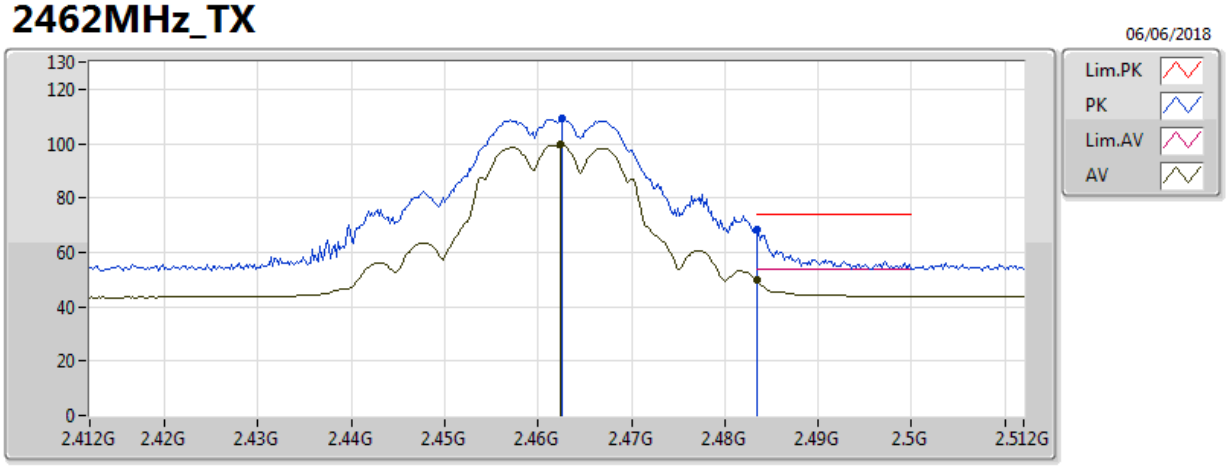


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4602G	111.00	Inf	-Inf	31.10	3	Vertical	143	1.41	-
AV	2.4606G	100.99	Inf	-Inf	31.11	3	Vertical	143	1.41	-
PK	2.4838G	65.70	74.00	-8.30	31.17	3	Vertical	143	1.41	-
AV	2.483502G	48.20	54.00	-5.80	31.17	3	Vertical	143	1.41	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

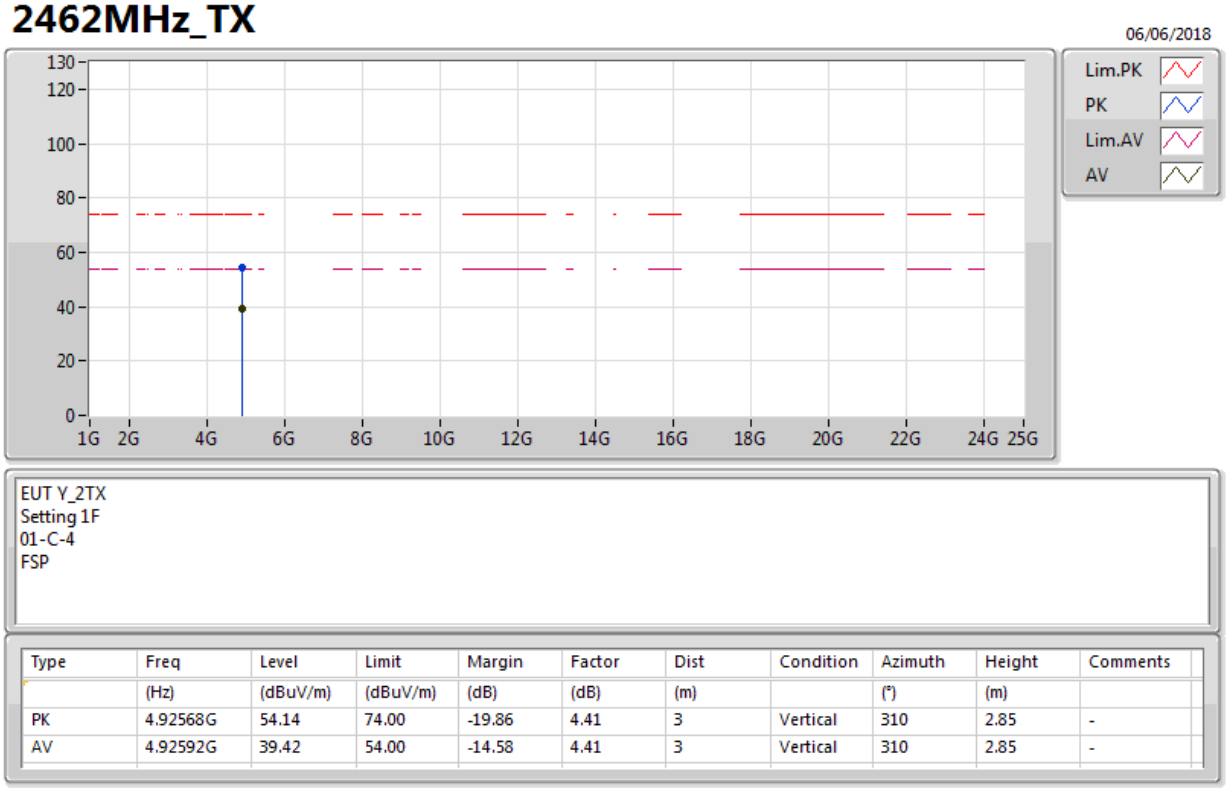


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4626G	109.48	Inf	-Inf	31.11	3	Horizontal	342	1.10	-
AV	2.4624G	99.64	Inf	-Inf	31.11	3	Horizontal	342	1.10	-
PK	2.483502G	68.24	74.00	-5.76	31.17	3	Horizontal	342	1.10	-
AV	2.483502G	49.68	54.00	-4.32	31.17	3	Horizontal	342	1.10	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

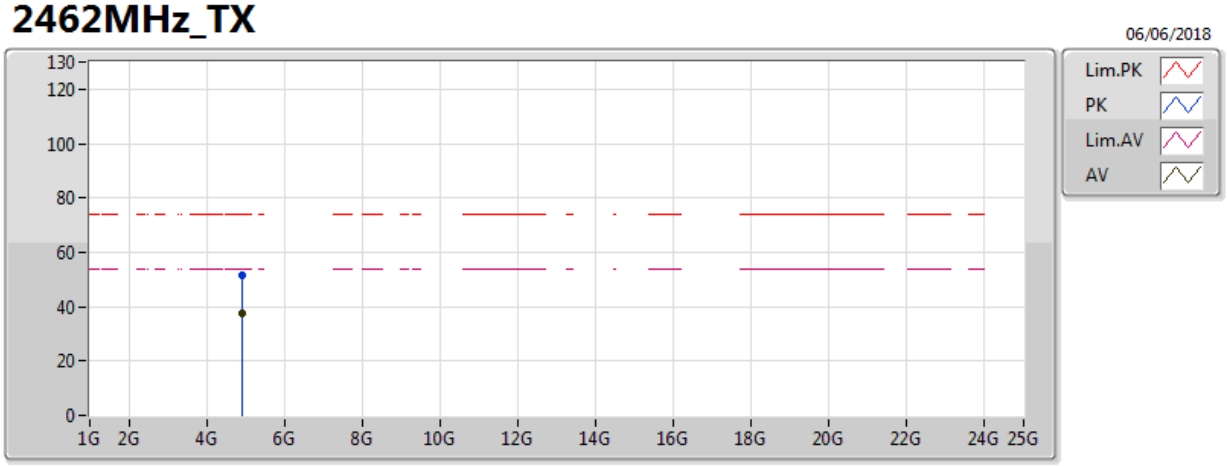


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92568G	54.14	74.00	-19.86	4.41	3	Vertical	310	2.85	-
AV	4.92592G	39.42	54.00	-14.58	4.41	3	Vertical	310	2.85	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

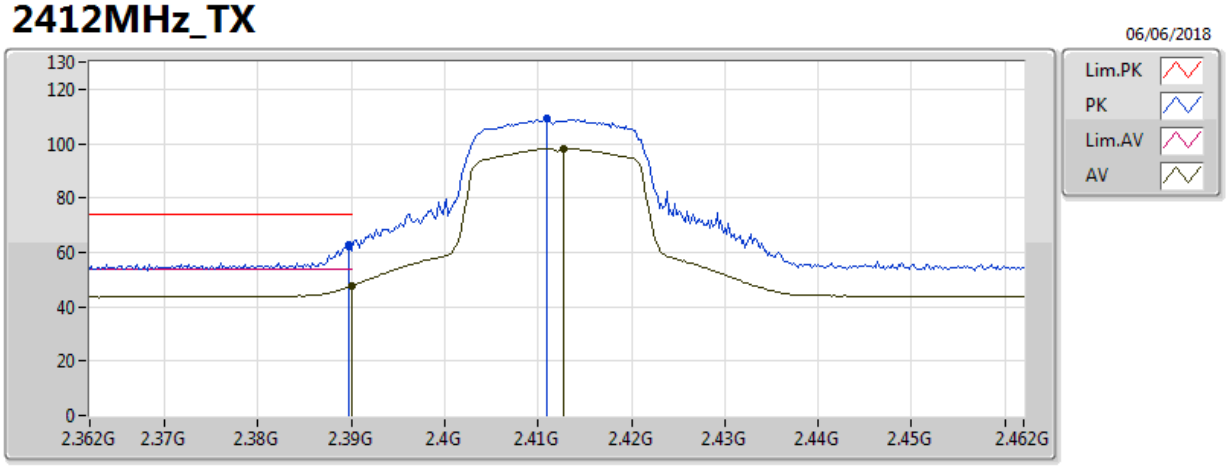


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92616G	51.72	74.00	-22.28	4.41	3	Horizontal	189	1.00	-
AV	4.92586G	37.31	54.00	-16.69	4.41	3	Horizontal	189	1.00	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

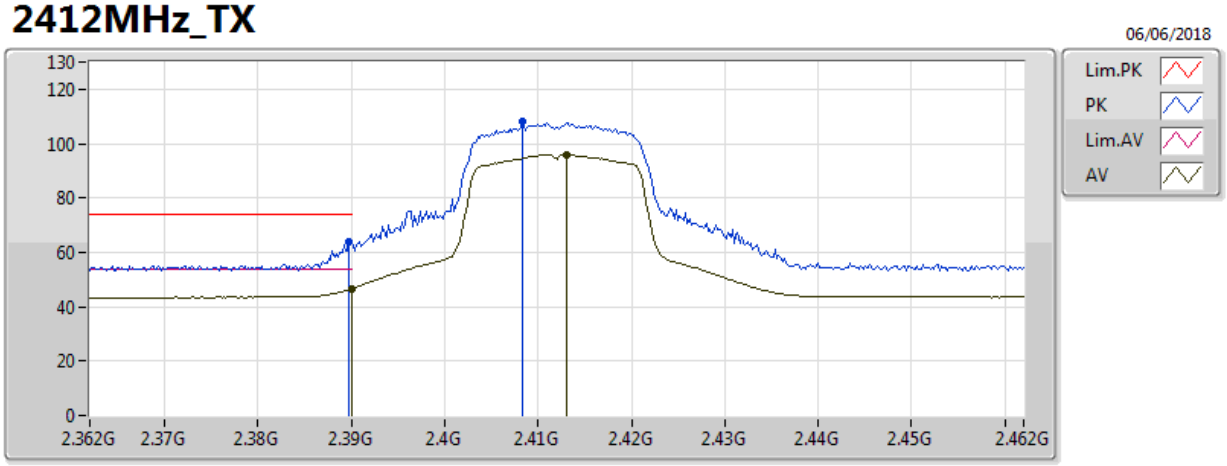


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	62.88	74.00	-11.12	30.97	3	Vertical	143	1.89	-
AV	2.389998G	47.57	54.00	-6.43	30.97	3	Vertical	143	1.89	-
PK	2.411G	108.99	Inf	-Inf	30.96	3	Vertical	143	1.89	-
AV	2.4128G	98.30	Inf	-Inf	30.97	3	Vertical	143	1.89	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

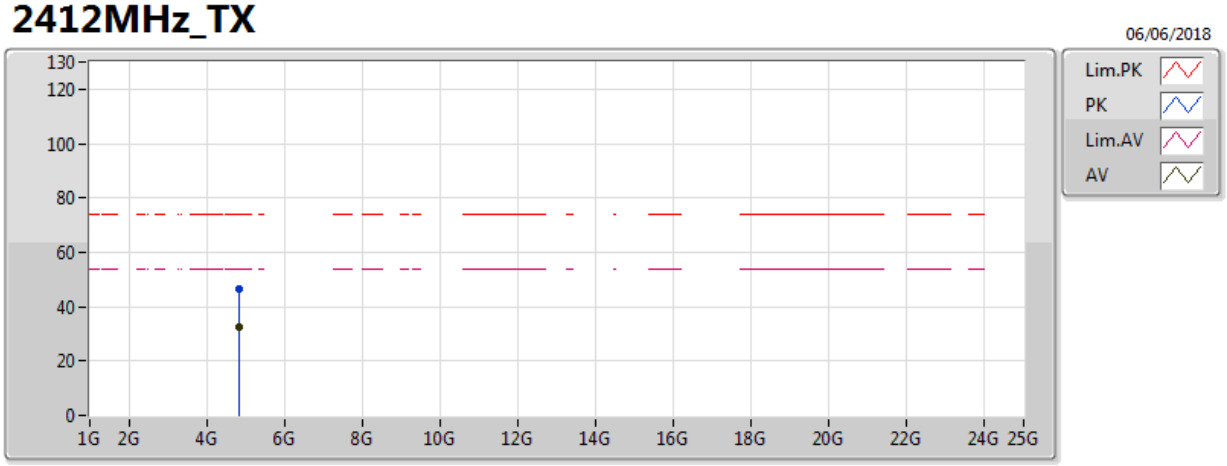


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	64.00	74.00	-10.00	30.97	3	Horizontal	182	2.36	-
AV	2.389998G	46.78	54.00	-7.22	30.97	3	Horizontal	182	2.36	-
PK	2.4084G	108.10	Inf	-Inf	30.95	3	Horizontal	182	2.36	-
AV	2.413G	95.88	Inf	-Inf	30.97	3	Horizontal	182	2.36	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

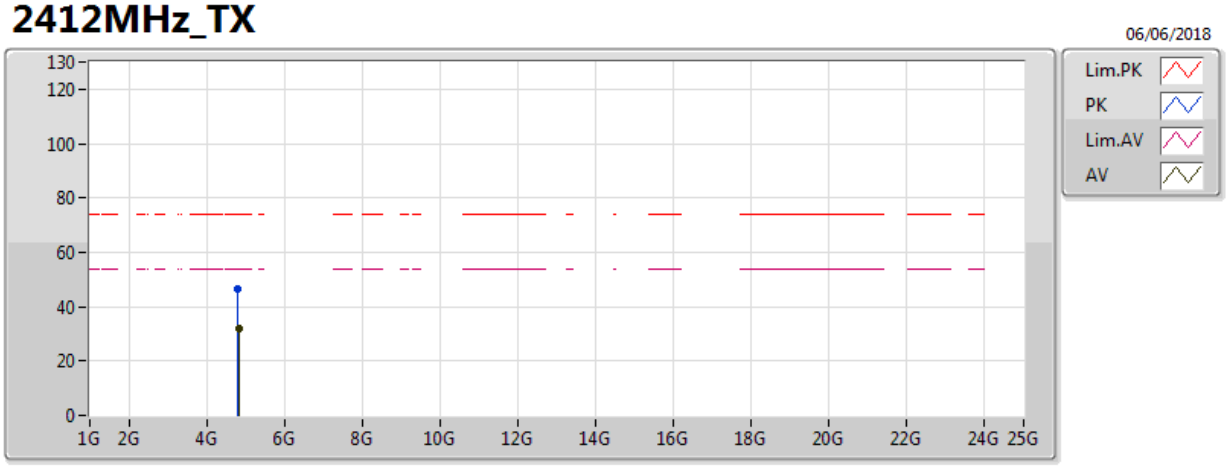


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83384G	46.73	74.00	-27.27	4.04	3	Vertical	335	2.99	-
AV	4.82394G	32.76	54.00	-21.24	4.00	3	Vertical	335	2.99	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

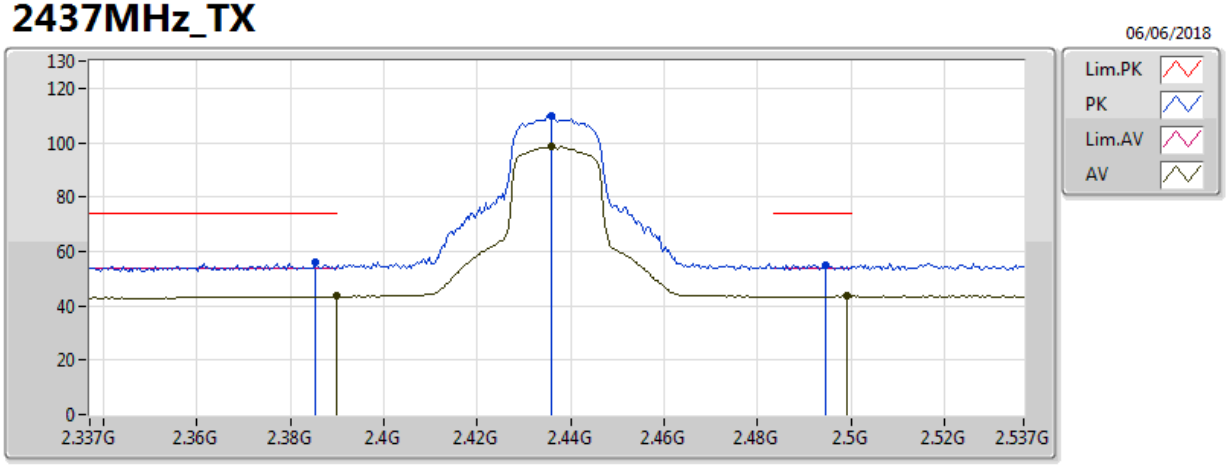


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81152G	46.24	74.00	-27.76	3.95	3	Horizontal	359	1.01	-
AV	4.824G	31.90	54.00	-22.10	4.00	3	Horizontal	359	1.01	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

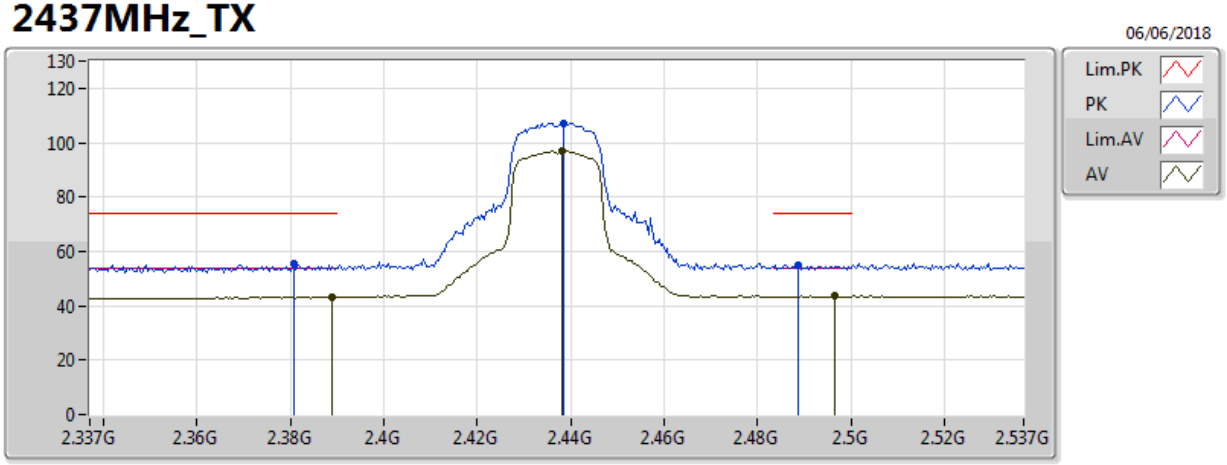


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3854G	56.19	74.00	-17.81	30.97	3	Vertical	166	2.03	-
AV	2.3898G	43.48	54.00	-10.52	30.97	3	Vertical	166	2.03	-
PK	2.4358G	109.94	Inf	-Inf	31.03	3	Vertical	166	2.03	-
AV	2.4358G	98.73	Inf	-Inf	31.03	3	Vertical	166	2.03	-
PK	2.4946G	55.05	74.00	-18.95	31.21	3	Vertical	166	2.03	-
AV	2.499G	43.69	54.00	-10.31	31.22	3	Vertical	166	2.03	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

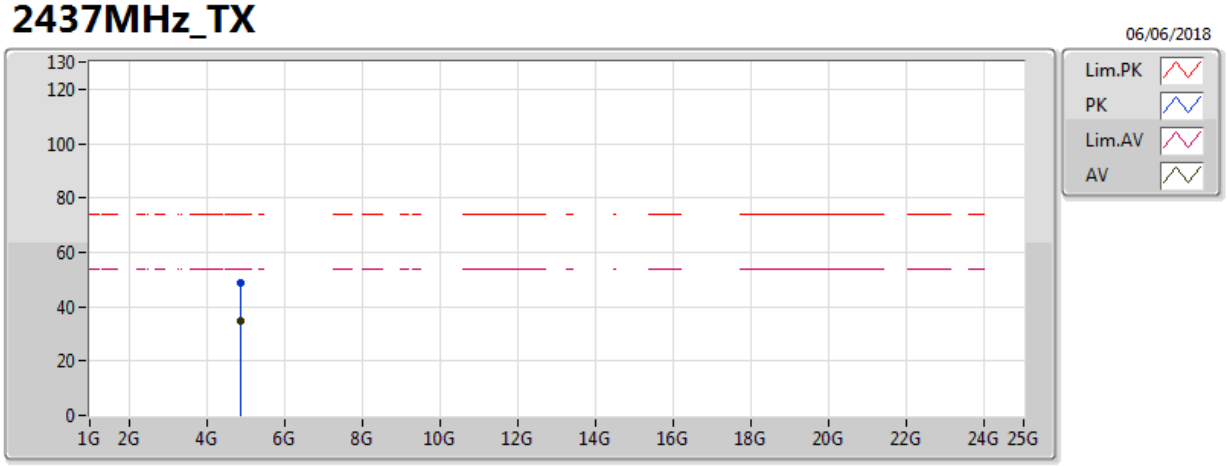


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3806G	55.22	74.00	-18.78	30.99	3	Horizontal	183	1.91	-
AV	2.389G	43.20	54.00	-10.80	30.97	3	Horizontal	183	1.91	-
PK	2.4386G	107.19	Inf	-Inf	31.04	3	Horizontal	183	1.91	-
AV	2.4382G	96.96	Inf	-Inf	31.04	3	Horizontal	183	1.91	-
PK	2.4886G	54.91	74.00	-19.09	31.19	3	Horizontal	183	1.91	-
AV	2.4966G	43.56	54.00	-10.44	31.22	3	Horizontal	183	1.91	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

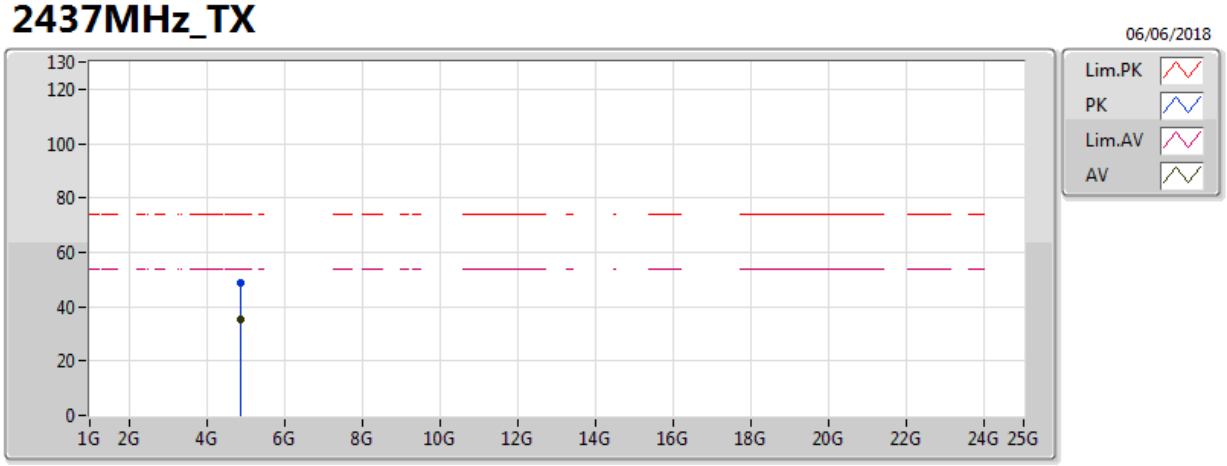


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87648G	48.69	74.00	-25.31	4.21	3	Vertical	129	2.76	-
AV	4.874G	34.92	54.00	-19.08	4.20	3	Vertical	129	2.76	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

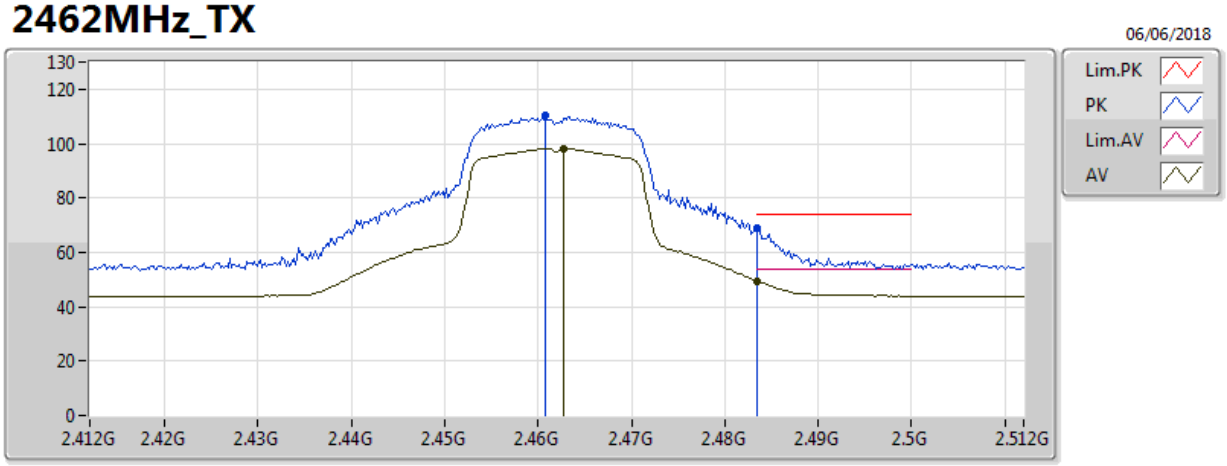


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8725G	48.52	74.00	-25.48	4.20	3	Horizontal	163	1.56	-
AV	4.8738G	35.51	54.00	-18.49	4.20	3	Horizontal	163	1.56	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

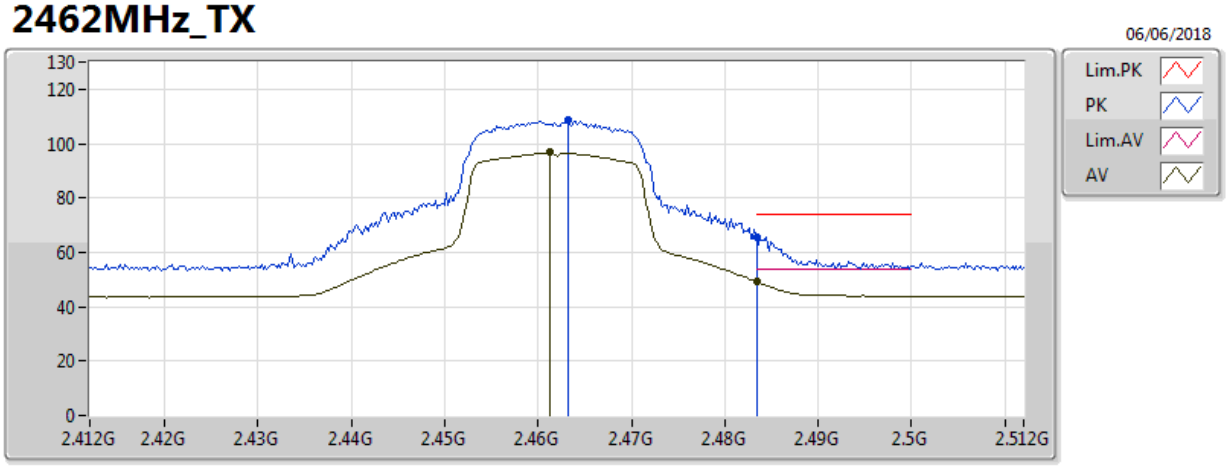


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4608G	110.51	Inf	-Inf	31.11	3	Vertical	242	1.43	-
AV	2.4628G	98.13	Inf	-Inf	31.11	3	Vertical	242	1.43	-
PK	2.483502G	69.12	74.00	-4.88	31.17	3	Vertical	242	1.43	-
AV	2.483502G	49.44	54.00	-4.56	31.17	3	Vertical	242	1.43	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

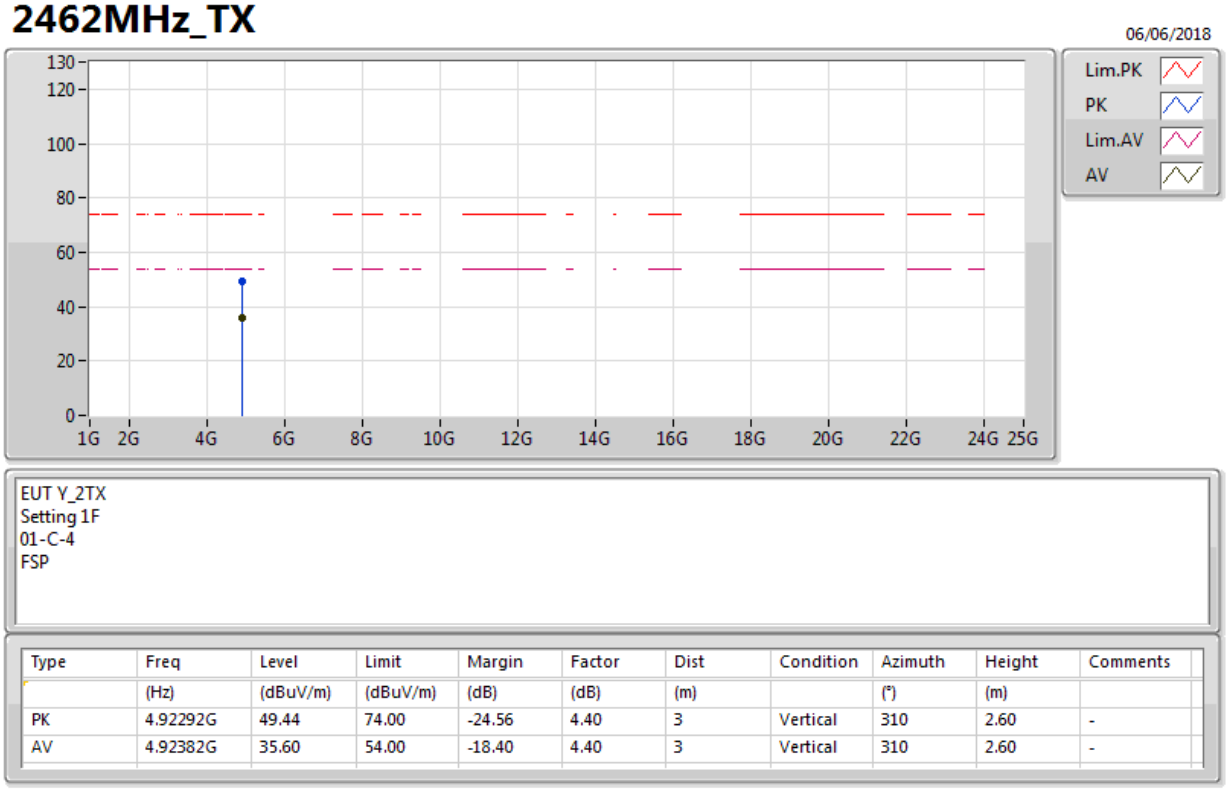


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4632G	108.88	Inf	-Inf	31.11	3	Horizontal	342	1.09	-
AV	2.4612G	96.71	Inf	-Inf	31.11	3	Horizontal	342	1.09	-
PK	2.483502G	65.54	74.00	-8.46	31.17	3	Horizontal	342	1.09	-
AV	2.483502G	49.23	54.00	-4.77	31.17	3	Horizontal	342	1.09	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

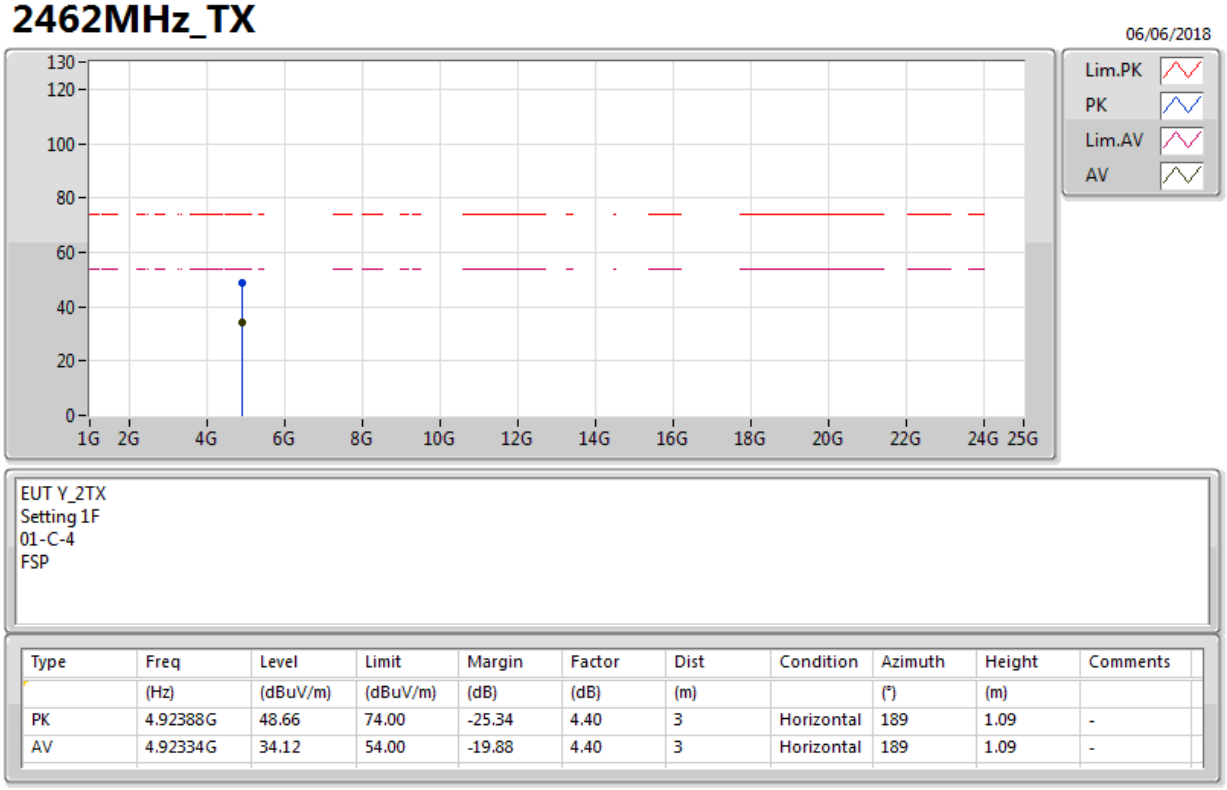


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92292G	49.44	74.00	-24.56	4.40	3	Vertical	310	2.60	-
AV	4.92382G	35.60	54.00	-18.40	4.40	3	Vertical	310	2.60	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

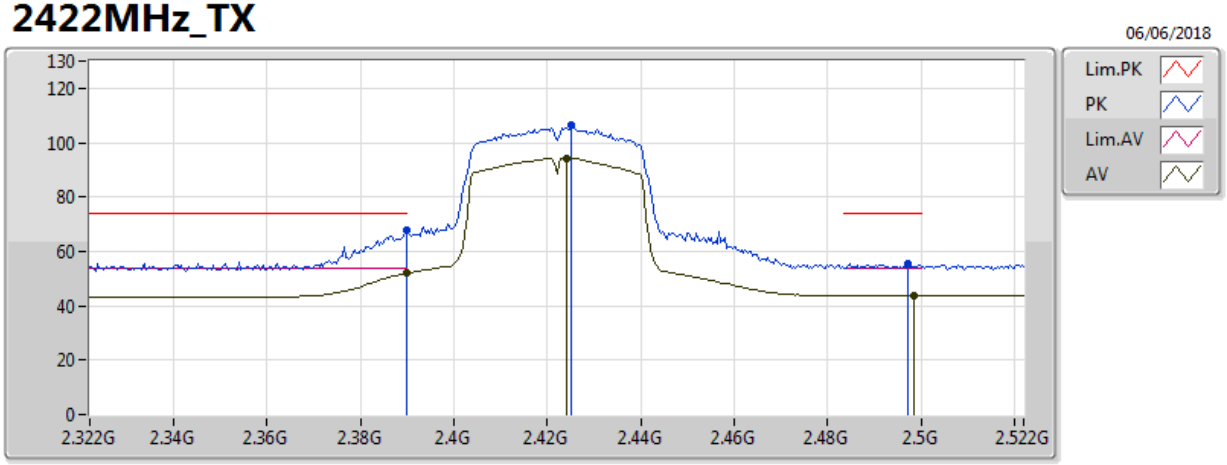


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92388G	48.66	74.00	-25.34	4.40	3	Horizontal	189	1.09	-
AV	4.92334G	34.12	54.00	-19.88	4.40	3	Horizontal	189	1.09	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

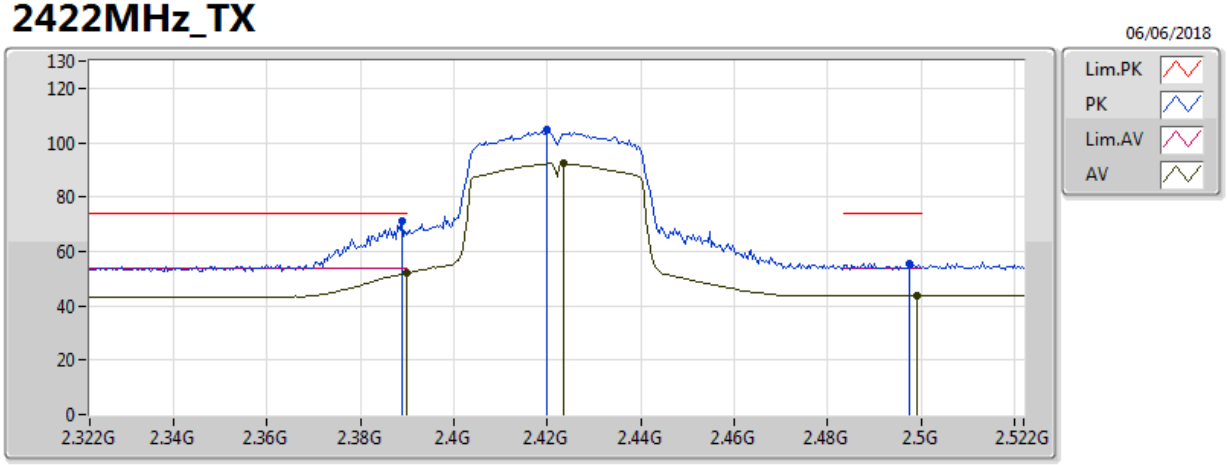


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	67.53	74.00	-6.47	30.97	3	Vertical	140	1.29	-
AV	2.389998G	52.00	54.00	-2.00	30.97	3	Vertical	140	1.29	-
PK	2.4252G	106.50	Inf	-Inf	31.00	3	Vertical	140	1.29	-
AV	2.424G	94.34	Inf	-Inf	31.00	3	Vertical	140	1.29	-
PK	2.4972G	55.28	74.00	-18.72	31.21	3	Vertical	140	1.29	-
AV	2.4984G	43.84	54.00	-10.16	31.21	3	Vertical	140	1.29	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

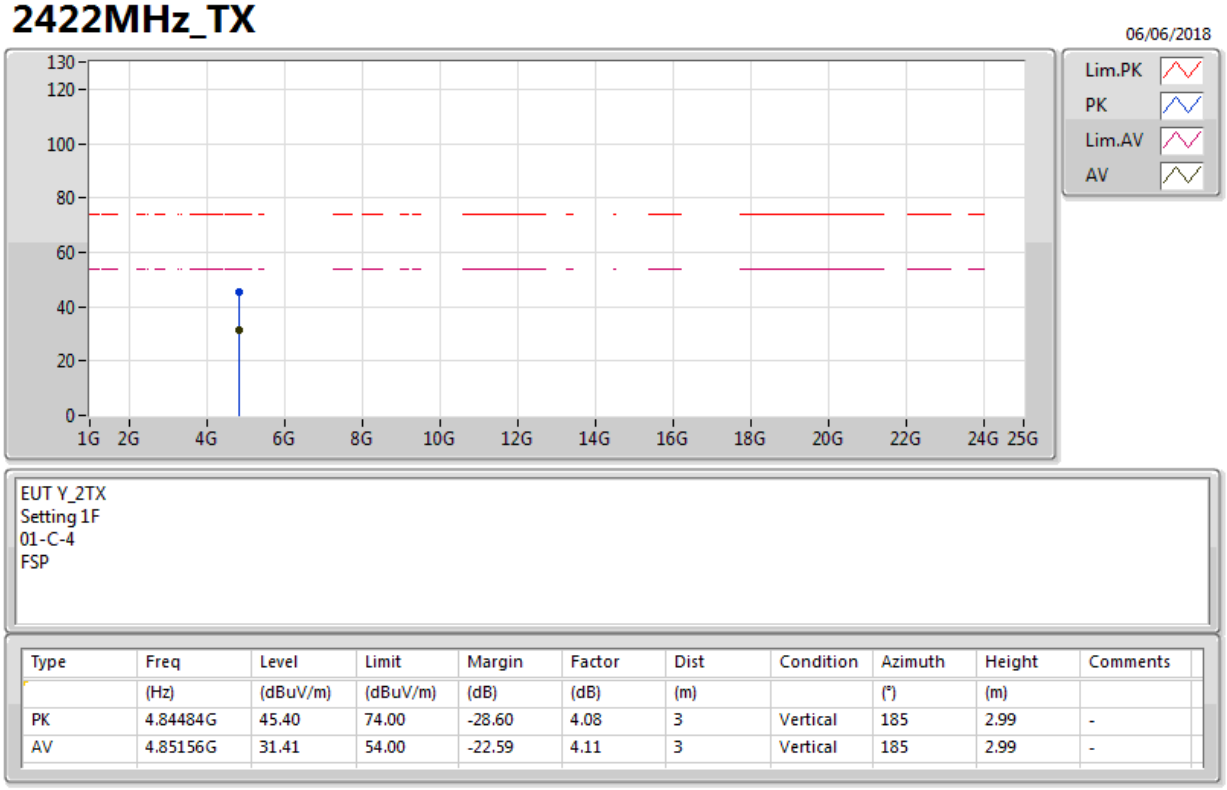


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	71.02	74.00	-2.98	30.97	3	Horizontal	227	1.53	-
AV	2.389998G	51.97	54.00	-2.03	30.97	3	Horizontal	227	1.53	-
PK	2.42G	104.62	Inf	-Inf	30.99	3	Horizontal	227	1.53	-
AV	2.4236G	92.42	Inf	-Inf	31.00	3	Horizontal	227	1.53	-
PK	2.4976G	55.71	74.00	-18.29	31.21	3	Horizontal	227	1.53	-
AV	2.4992G	43.66	54.00	-10.34	31.22	3	Horizontal	227	1.53	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

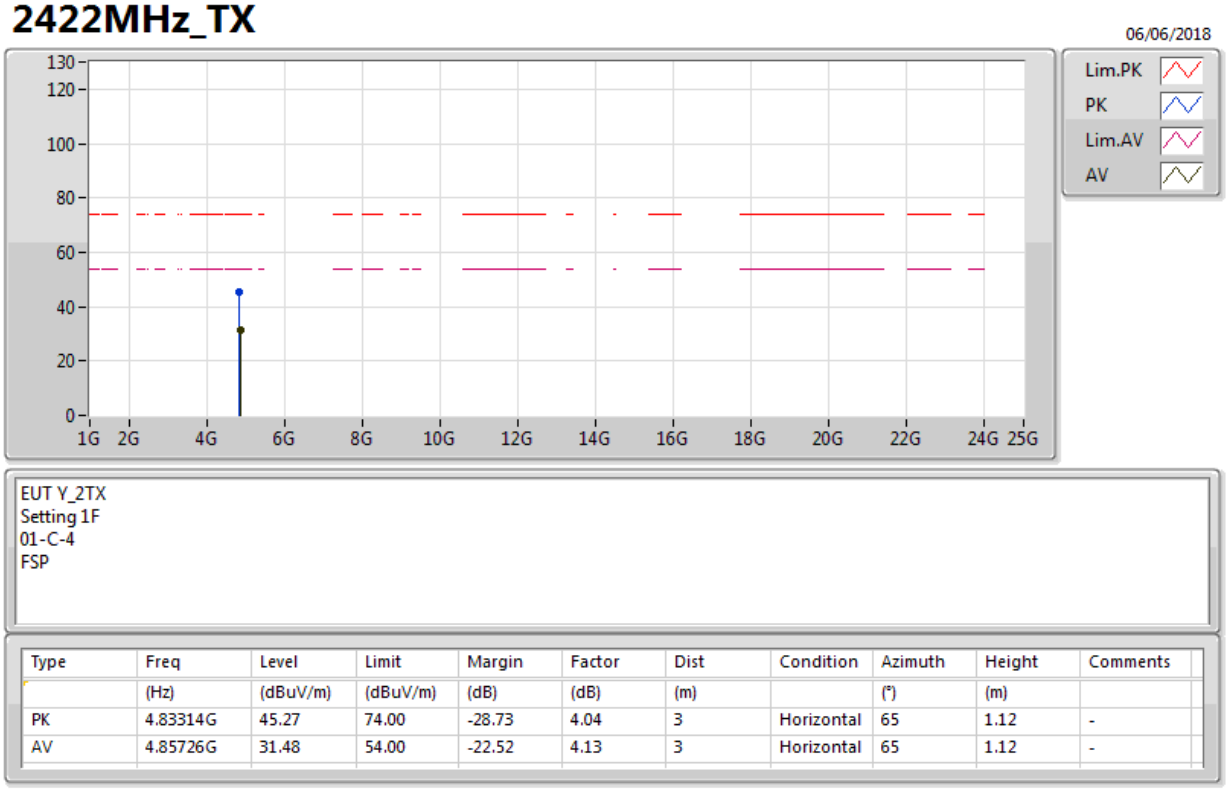


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84484G	45.40	74.00	-28.60	4.08	3	Vertical	185	2.99	-
AV	4.85156G	31.41	54.00	-22.59	4.11	3	Vertical	185	2.99	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

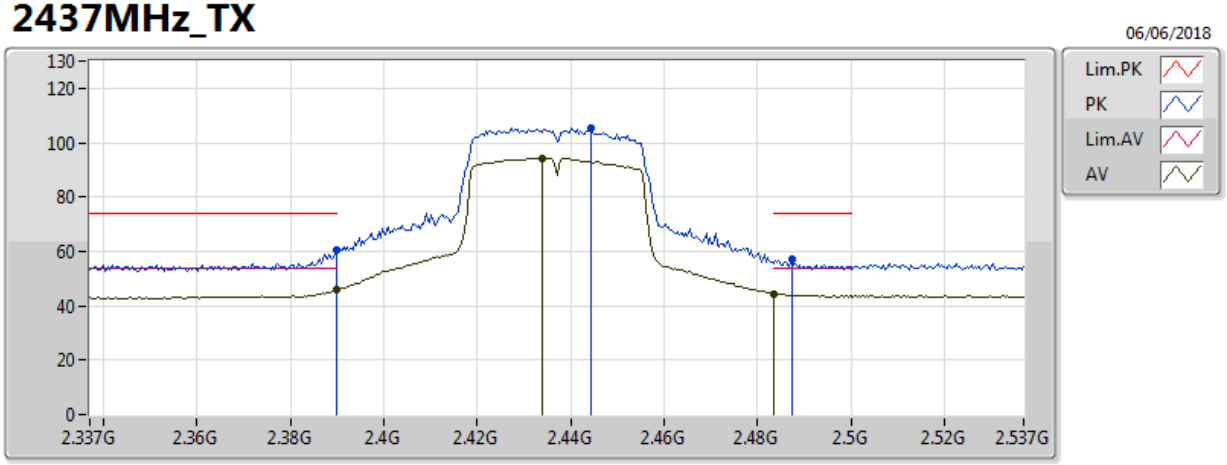


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83314G	45.27	74.00	-28.73	4.04	3	Horizontal	65	1.12	-
AV	4.85726G	31.48	54.00	-22.52	4.13	3	Horizontal	65	1.12	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

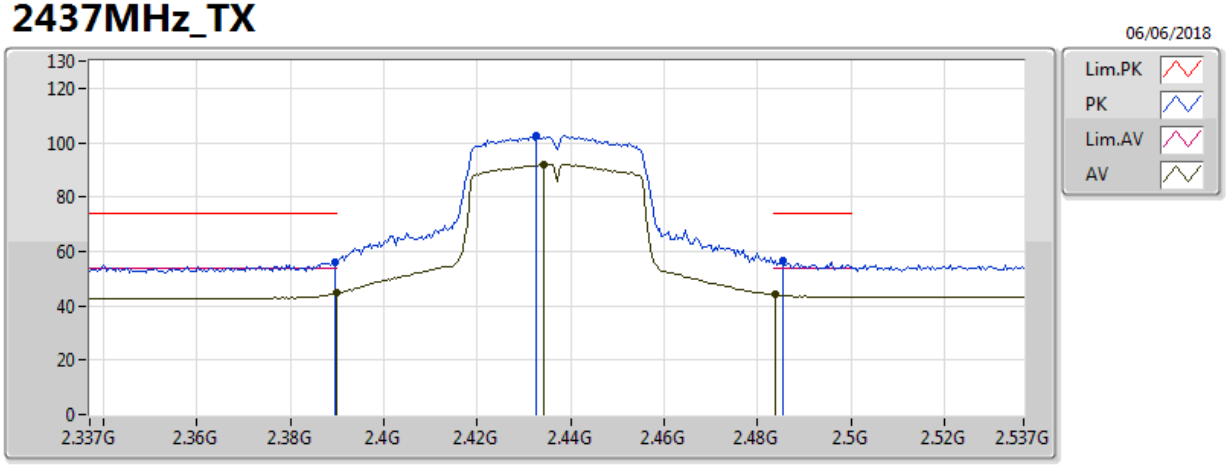


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	60.66	74.00	-13.34	30.97	3	Vertical	169	1.74	-
AV	2.3898G	45.75	54.00	-8.25	30.97	3	Vertical	169	1.74	-
PK	2.4442G	105.50	Inf	-Inf	31.06	3	Vertical	169	1.74	-
AV	2.4338G	94.25	Inf	-Inf	31.03	3	Vertical	169	1.74	-
PK	2.4874G	56.94	74.00	-17.06	31.18	3	Vertical	169	1.74	-
AV	2.483502G	44.34	54.00	-9.66	31.17	3	Vertical	169	1.74	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

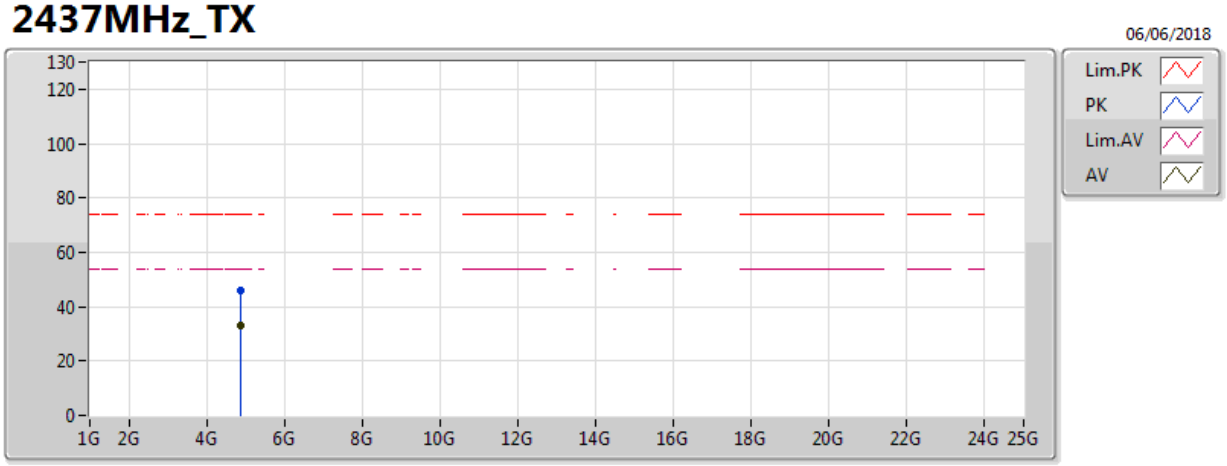


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	56.18	74.00	-17.82	30.97	3	Horizontal	184	1.47	-
AV	2.3898G	44.61	54.00	-9.39	30.97	3	Horizontal	184	1.47	-
PK	2.4326G	102.37	Inf	-Inf	31.02	3	Horizontal	184	1.47	-
AV	2.4342G	92.10	Inf	-Inf	31.03	3	Horizontal	184	1.47	-
PK	2.4854G	56.83	74.00	-17.17	31.18	3	Horizontal	184	1.47	-
AV	2.4838G	44.27	54.00	-9.73	31.17	3	Horizontal	184	1.47	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

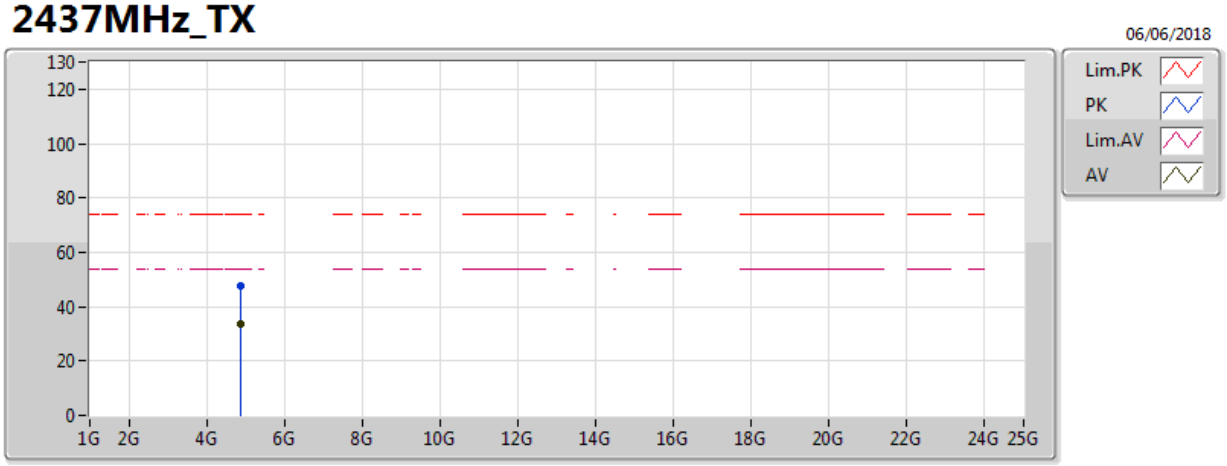


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8818G	46.20	74.00	-27.80	4.24	3	Vertical	339	1.50	-
AV	4.8782G	33.27	54.00	-20.73	4.22	3	Vertical	339	1.50	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

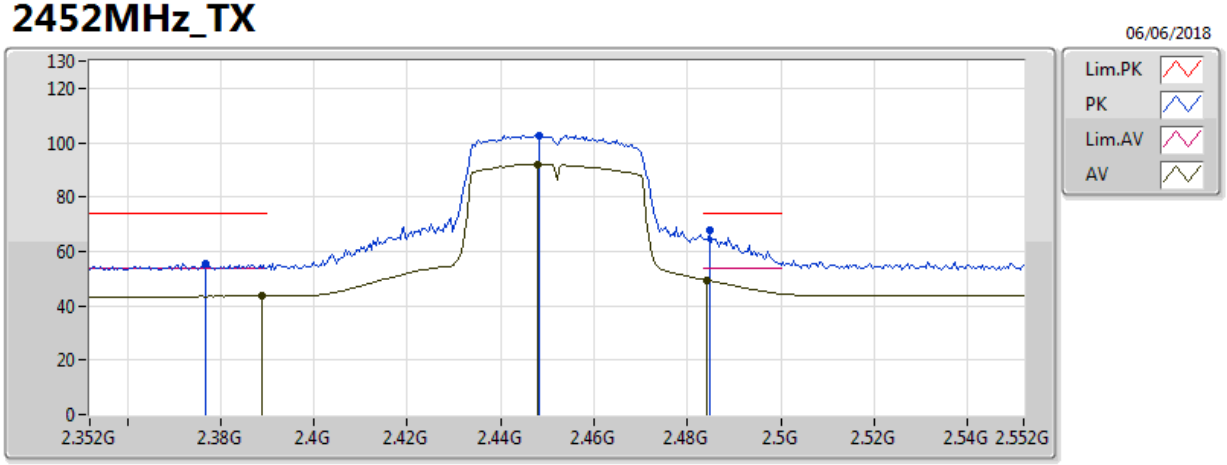


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8859G	47.45	74.00	-26.55	4.25	3	Horizontal	162	1.73	-
AV	4.8824G	33.70	54.00	-20.30	4.24	3	Horizontal	162	1.73	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX

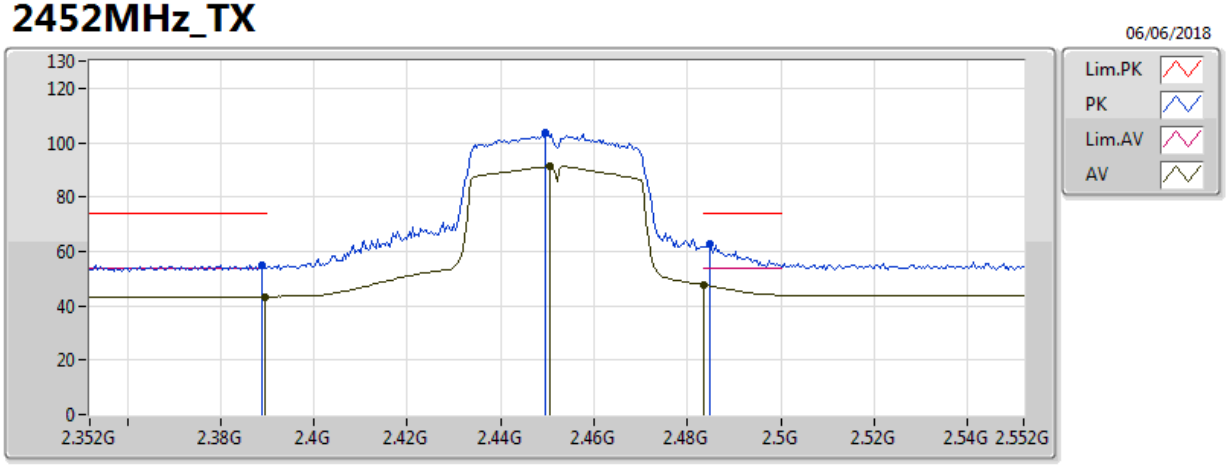


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3768G	55.32	74.00	-18.68	30.99	3	Vertical	118	1.49	-
AV	2.3888G	43.65	54.00	-10.35	30.97	3	Vertical	118	1.49	-
PK	2.4484G	102.73	Inf	-Inf	31.07	3	Vertical	118	1.49	-
AV	2.448G	92.17	Inf	-Inf	31.07	3	Vertical	118	1.49	-
PK	2.4848G	68.04	74.00	-5.96	31.17	3	Vertical	118	1.49	-
AV	2.484G	49.58	54.00	-4.42	31.17	3	Vertical	118	1.49	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX

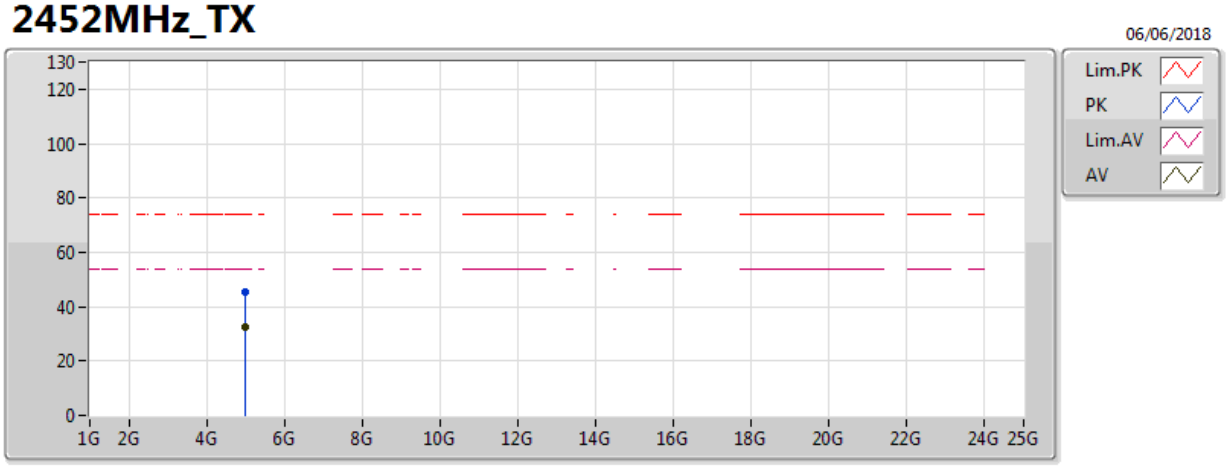


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	55.00	74.00	-19.00	30.97	3	Horizontal	346	1.63	-
AV	2.3896G	43.41	54.00	-10.59	30.97	3	Horizontal	346	1.63	-
PK	2.4496G	103.79	Inf	-Inf	31.07	3	Horizontal	346	1.63	-
AV	2.4504G	91.26	Inf	-Inf	31.08	3	Horizontal	346	1.63	-
PK	2.4848G	63.00	74.00	-11.00	31.17	3	Horizontal	346	1.63	-
AV	2.483502G	47.68	54.00	-6.32	31.17	3	Horizontal	346	1.63	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX

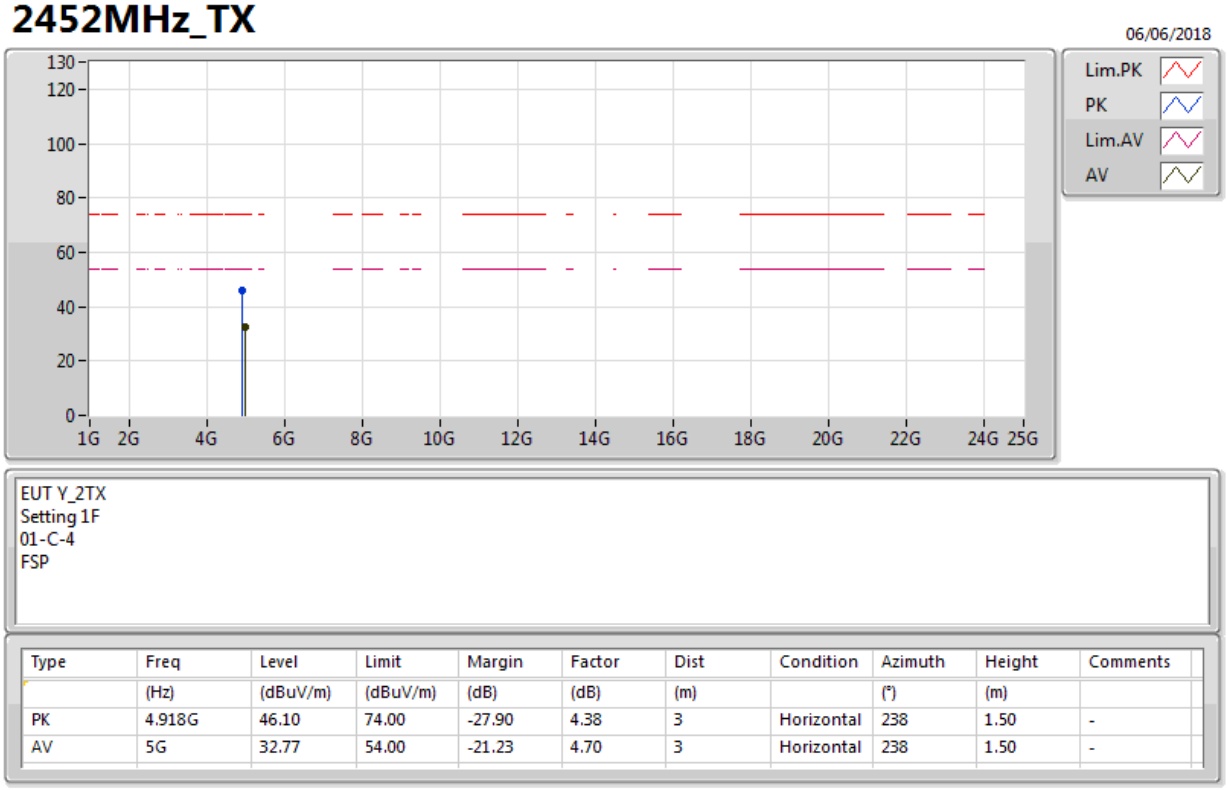


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5G	45.36	74.00	-28.64	4.70	3	Vertical	82	1.01	-
AV	5G	32.63	54.00	-21.37	4.70	3	Vertical	82	1.01	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX



EUT Y_2TX
Setting 1F
01-C-4
FSP

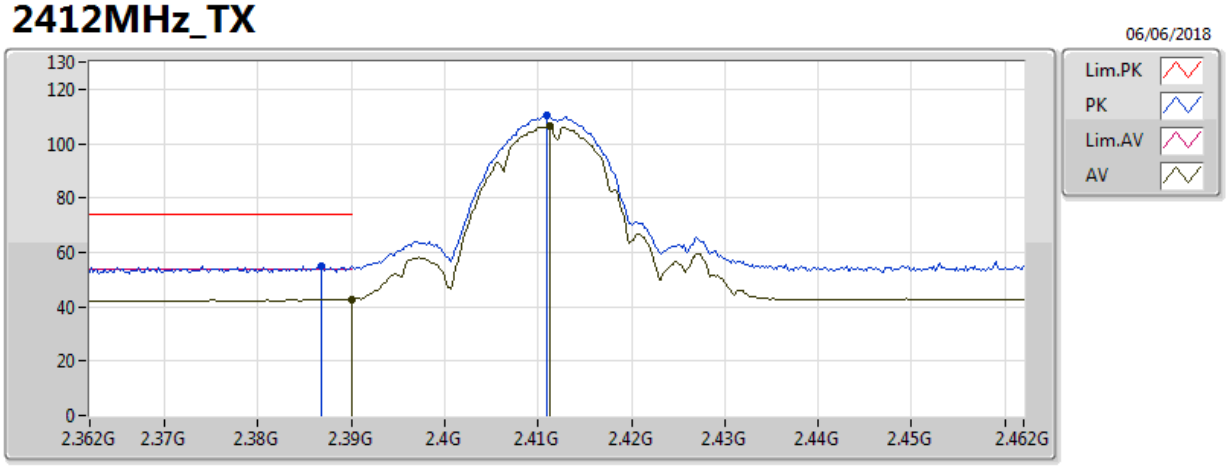
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.918G	46.10	74.00	-27.90	4.38	3	Horizontal	238	1.50	-
AV	5G	32.77	54.00	-21.23	4.70	3	Horizontal	238	1.50	-

Test Mode: Mode 2
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	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.87398G	50.42	54.00	-3.58	4.20	3	Horizontal	145	1.26	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

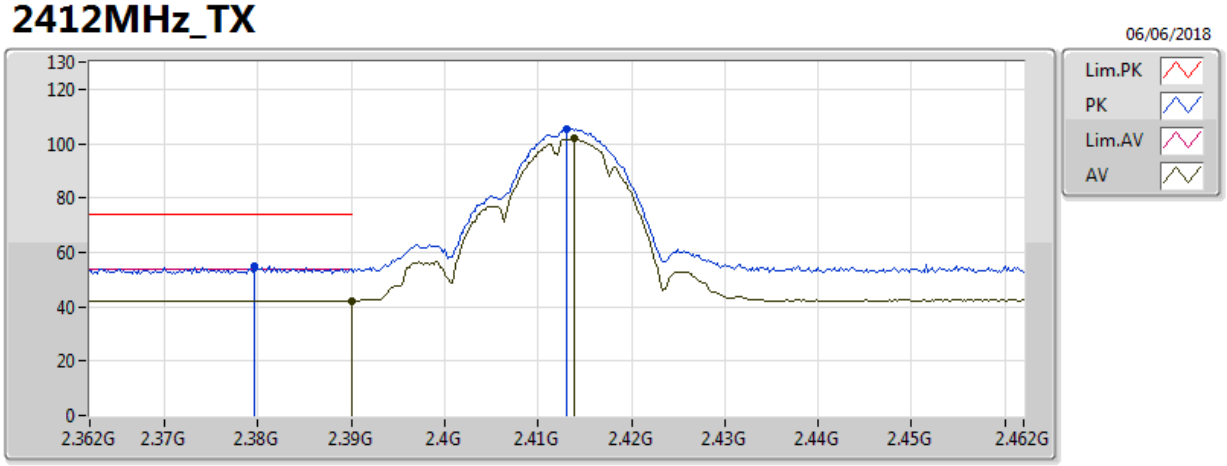


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	55.05	74.00	-18.95	30.97	3	Vertical	335	1.49	-
AV	2.389998G	42.77	54.00	-11.23	30.97	3	Vertical	335	1.49	-
PK	2.411G	110.19	Inf	-Inf	30.96	3	Vertical	335	1.49	-
AV	2.4112G	106.44	Inf	-Inf	30.96	3	Vertical	335	1.49	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

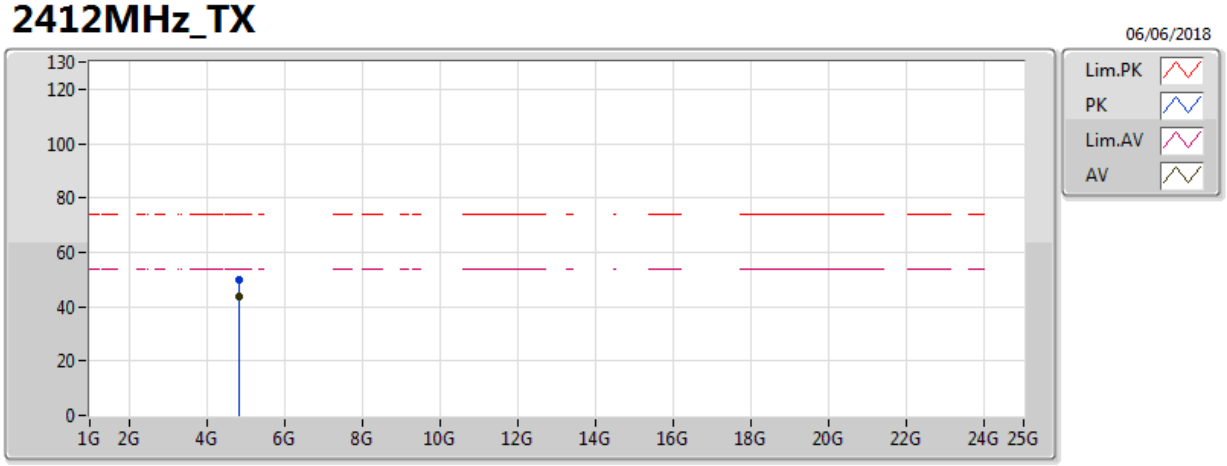


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3796G	54.67	74.00	-19.33	30.99	3	Horizontal	148	1.52	-
AV	2.389998G	42.27	54.00	-11.73	30.97	3	Horizontal	148	1.52	-
PK	2.413G	105.62	Inf	-Inf	30.97	3	Horizontal	148	1.52	-
AV	2.4138G	101.84	Inf	-Inf	30.97	3	Horizontal	148	1.52	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

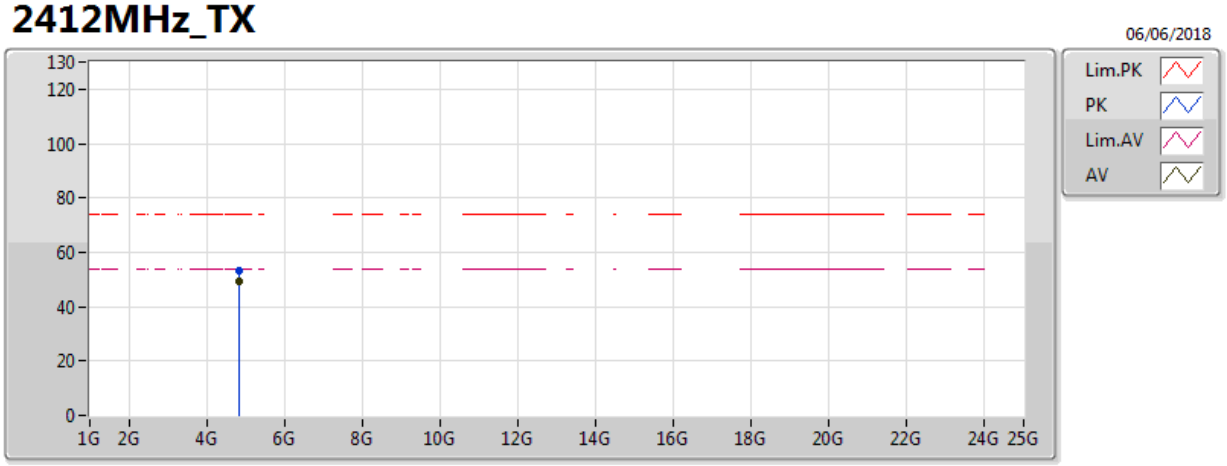


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82394G	49.92	74.00	-24.08	4.00	3	Vertical	17	1.49	-
AV	4.82402G	43.92	54.00	-10.08	4.00	3	Vertical	17	1.49	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

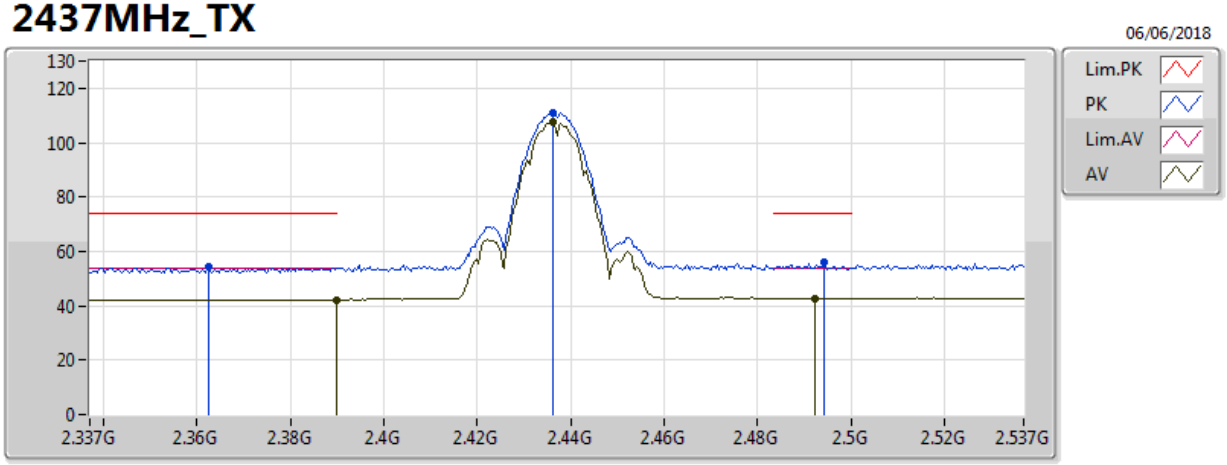


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82392G	53.18	74.00	-20.82	4.00	3	Horizontal	171	1.32	-
AV	4.82396G	49.54	54.00	-4.46	4.00	3	Horizontal	171	1.32	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

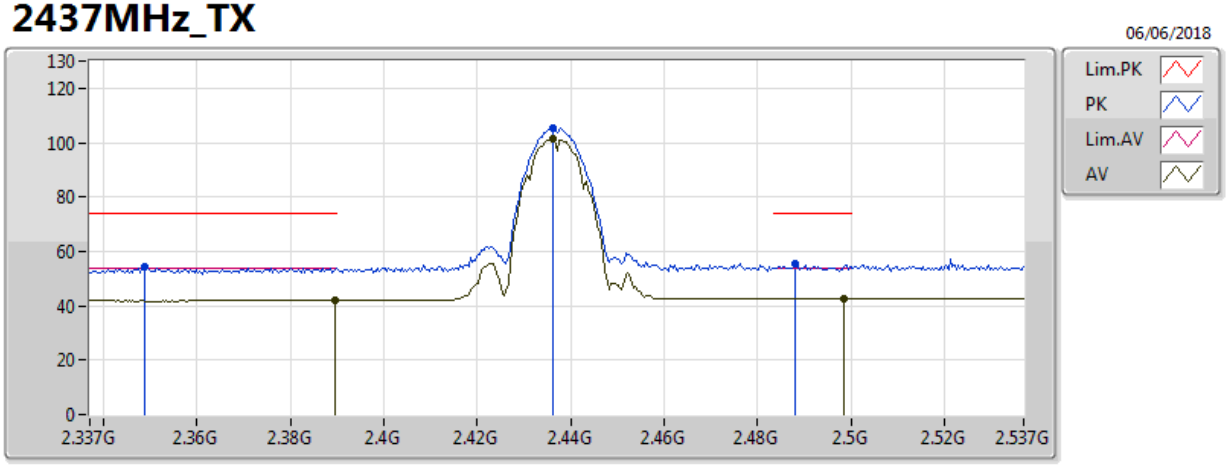


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3626G	54.44	74.00	-19.56	31.05	3	Vertical	26	1.45	-
AV	2.3898G	42.27	54.00	-11.73	30.97	3	Vertical	26	1.45	-
PK	2.4362G	111.17	Inf	-Inf	31.03	3	Vertical	26	1.45	-
AV	2.4362G	107.44	Inf	-Inf	31.03	3	Vertical	26	1.45	-
PK	2.4942G	56.22	74.00	-17.78	31.20	3	Vertical	26	1.45	-
AV	2.4922G	42.86	54.00	-11.14	31.20	3	Vertical	26	1.45	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

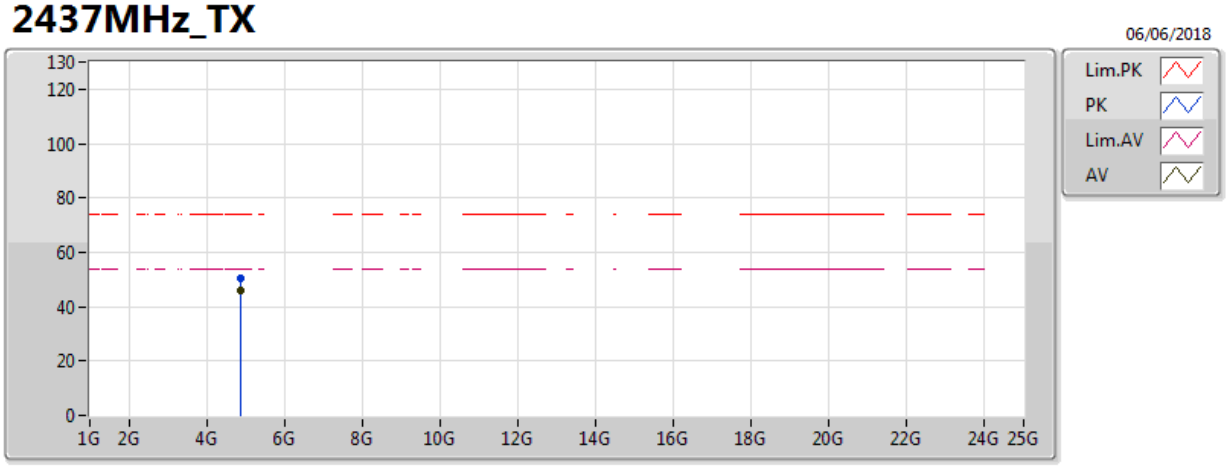


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3486G	54.08	74.00	-19.92	31.09	3	Horizontal	19	1.52	-
AV	2.3894G	42.02	54.00	-11.98	30.97	3	Horizontal	19	1.52	-
PK	2.4362G	105.42	Inf	-Inf	31.03	3	Horizontal	19	1.52	-
AV	2.4362G	101.60	Inf	-Inf	31.03	3	Horizontal	19	1.52	-
PK	2.4882G	55.66	74.00	-18.34	31.19	3	Horizontal	19	1.52	-
AV	2.4986G	42.72	54.00	-11.28	31.21	3	Horizontal	19	1.52	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

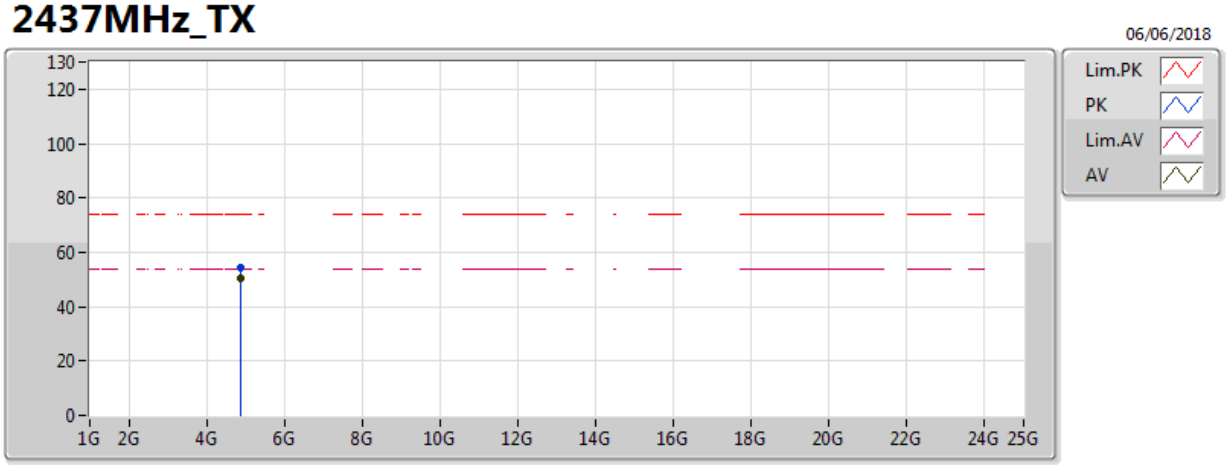


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87406G	50.69	74.00	-23.31	4.20	3	Vertical	15	1.69	-
AV	4.87398G	45.73	54.00	-8.27	4.20	3	Vertical	15	1.69	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

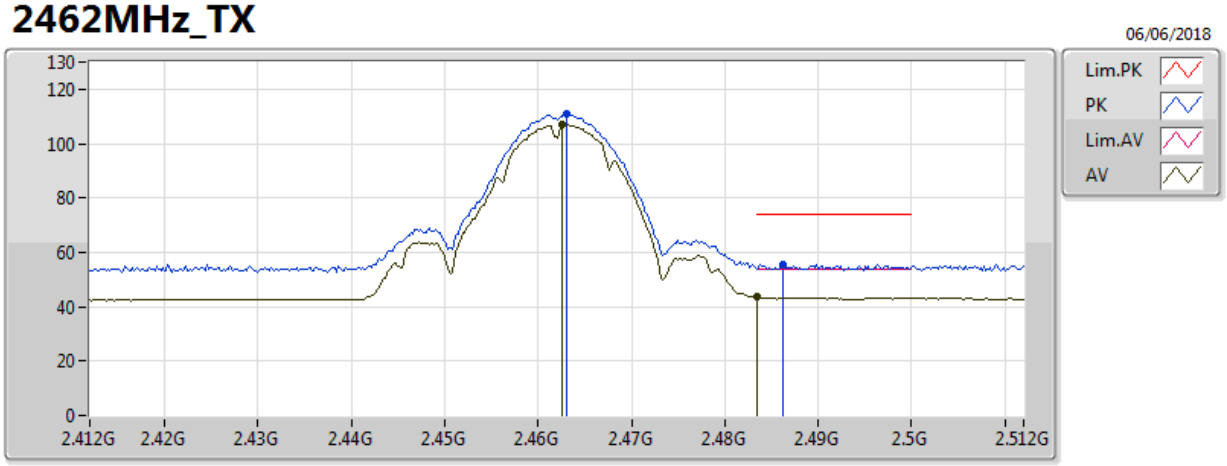


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87392G	54.12	74.00	-19.88	4.20	3	Horizontal	145	1.26	-
AV	4.87398G	50.42	54.00	-3.58	4.20	3	Horizontal	145	1.26	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

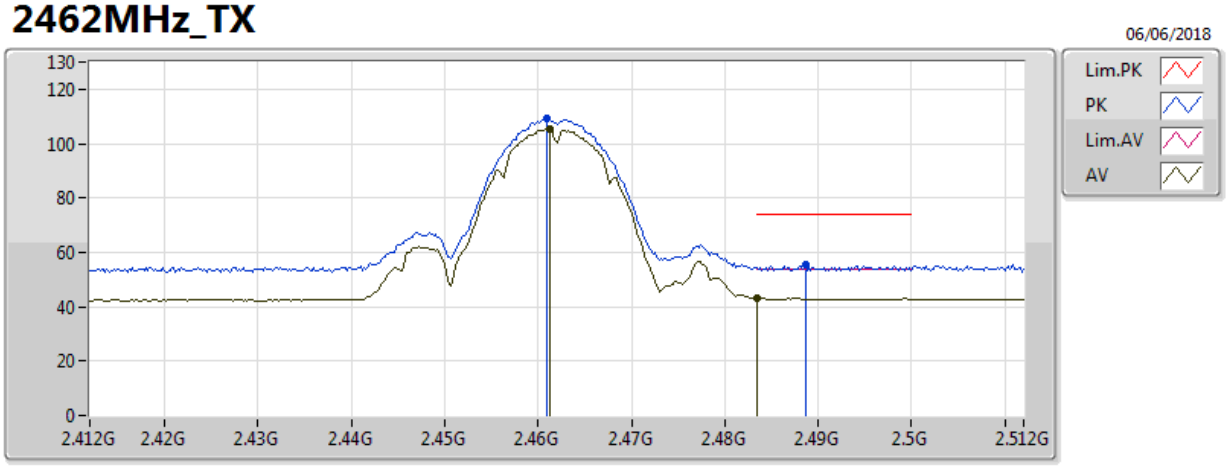


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	110.98	Inf	-Inf	31.11	3	Vertical	9	2.03	-
AV	2.4626G	106.98	Inf	-Inf	31.11	3	Vertical	9	2.03	-
PK	2.4862G	55.38	74.00	-18.62	31.18	3	Vertical	9	2.03	-
AV	2.483502G	43.48	54.00	-10.52	31.17	3	Vertical	9	2.03	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

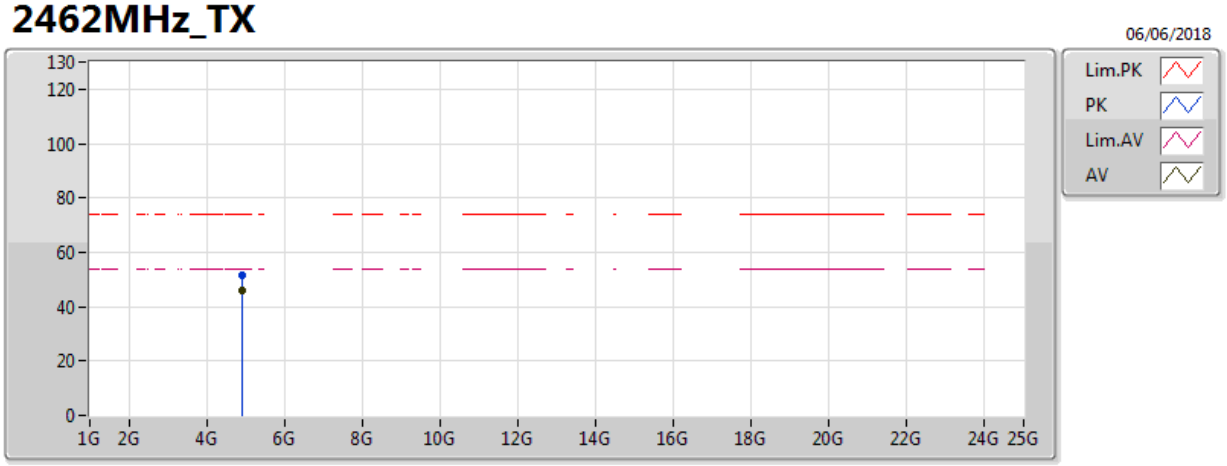


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	109.26	Inf	-Inf	31.11	3	Horizontal	227	2.08	-
AV	2.4612G	105.48	Inf	-Inf	31.11	3	Horizontal	227	2.08	-
PK	2.4886G	55.24	74.00	-18.76	31.19	3	Horizontal	227	2.08	-
AV	2.483502G	43.26	54.00	-10.74	31.17	3	Horizontal	227	2.08	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

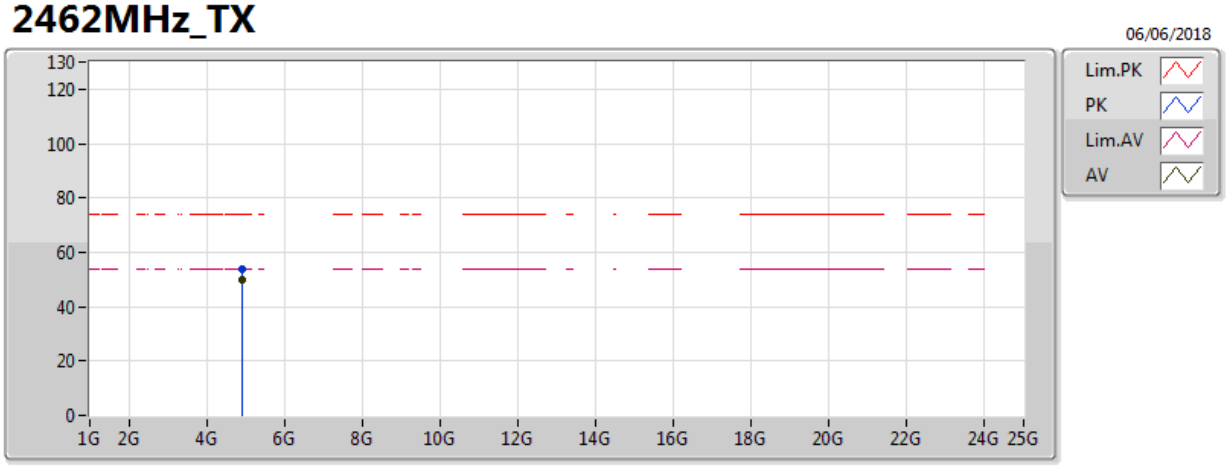


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92406G	51.58	74.00	-22.42	4.40	3	Vertical	11	1.77	-
AV	4.92402G	46.07	54.00	-7.93	4.40	3	Vertical	11	1.77	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

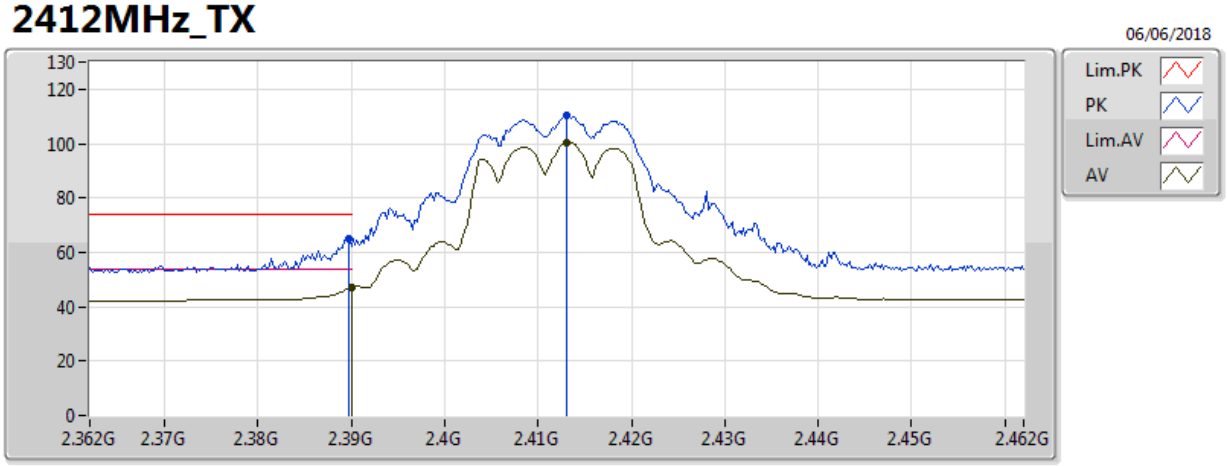


EUT Y_2TX
Setting 1F-C6
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92398G	53.87	74.00	-20.13	4.40	3	Horizontal	146	1.34	-
AV	4.924G	50.13	54.00	-3.87	4.40	3	Horizontal	146	1.34	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

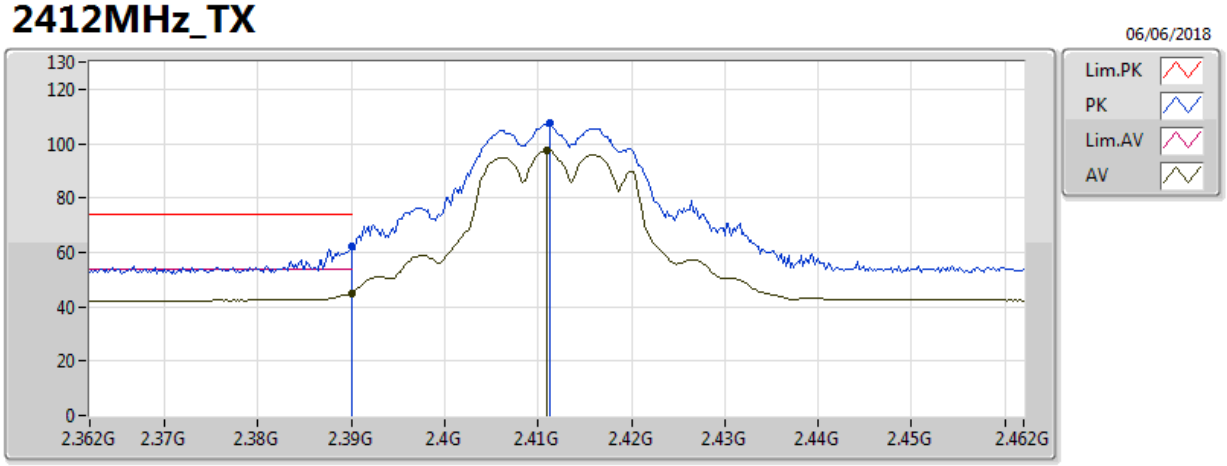


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	64.75	74.00	-9.25	30.97	3	Vertical	334	1.49	-
AV	2.389998G	47.27	54.00	-6.73	30.97	3	Vertical	334	1.49	-
PK	2.413G	110.55	Inf	-Inf	30.97	3	Vertical	334	1.49	-
AV	2.413G	100.44	Inf	-Inf	30.97	3	Vertical	334	1.49	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

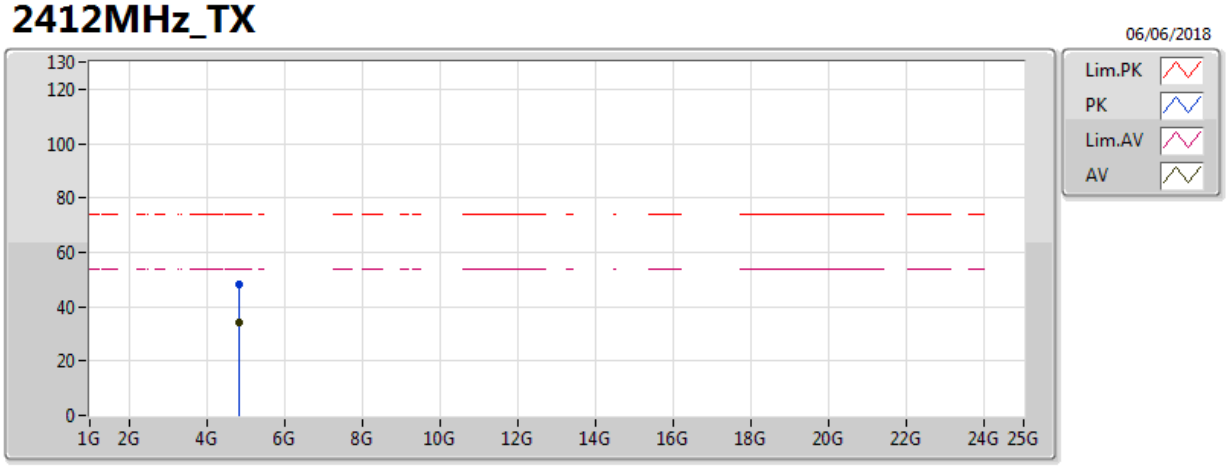


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	62.22	74.00	-11.78	30.97	3	Horizontal	135	1.49	-
AV	2.389998G	45.06	54.00	-8.94	30.97	3	Horizontal	135	1.49	-
PK	2.4112G	107.43	Inf	-Inf	30.96	3	Horizontal	135	1.49	-
AV	2.411G	97.40	Inf	-Inf	30.96	3	Horizontal	135	1.49	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

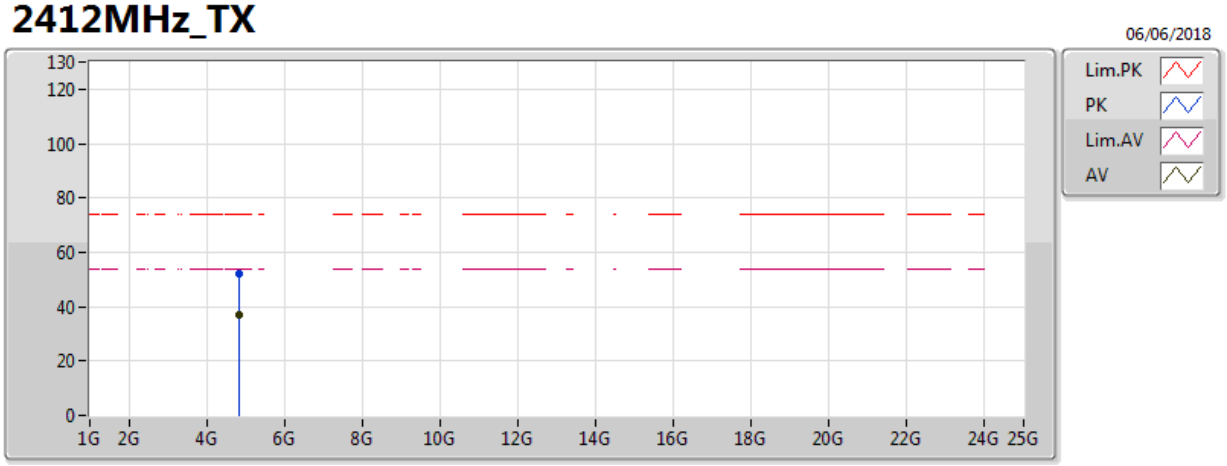


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82574G	48.44	74.00	-25.56	4.01	3	Vertical	11	1.83	-
AV	4.8252G	33.95	54.00	-20.05	4.00	3	Vertical	11	1.83	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

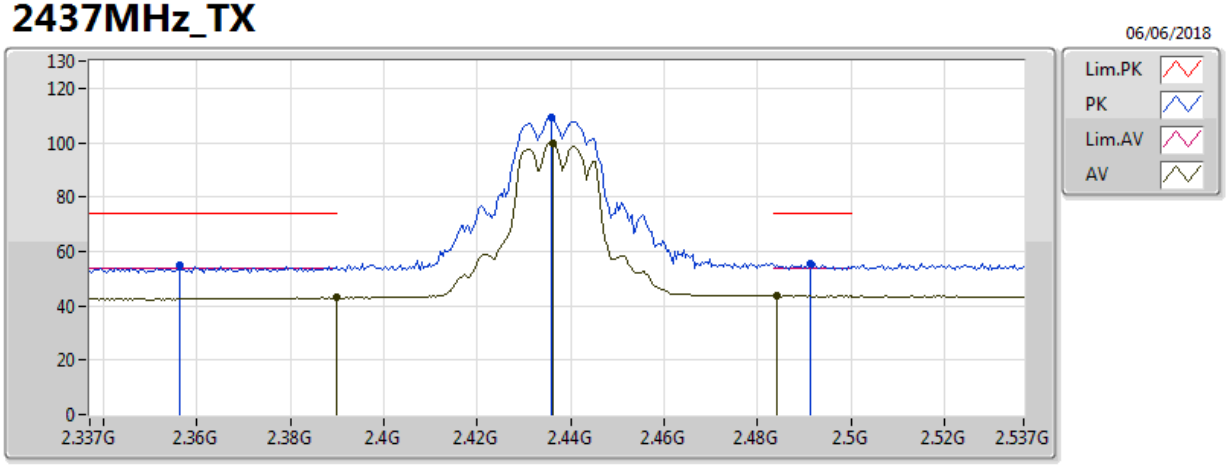


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82496G	52.22	74.00	-21.78	4.00	3	Horizontal	171	1.52	-
AV	4.82556G	36.79	54.00	-17.21	4.00	3	Horizontal	171	1.52	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

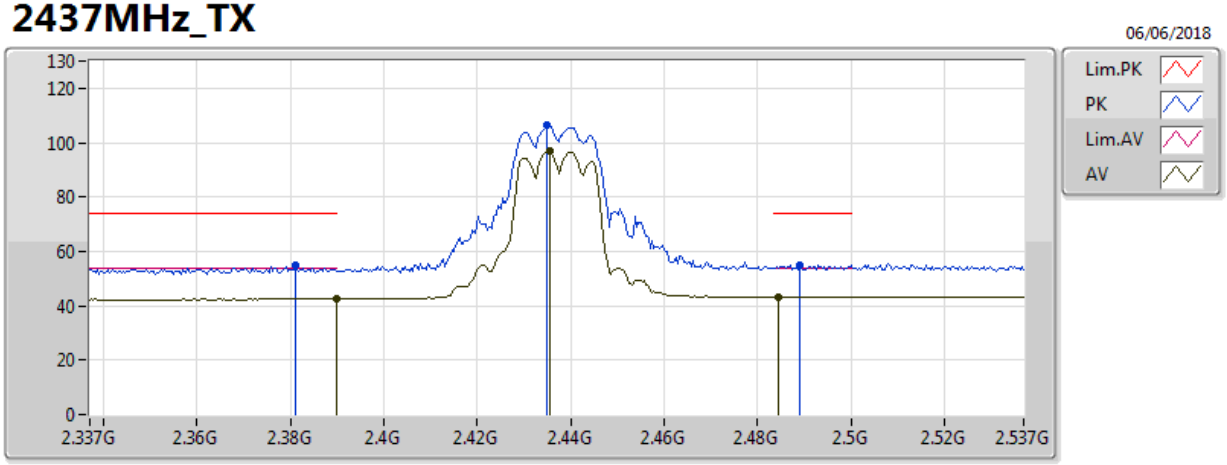


EUT Y_2TX
Setting 1F-C2
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3562G	54.92	74.00	-19.08	31.07	3	Vertical	152	1.54	-
AV	2.3898G	42.99	54.00	-11.01	30.97	3	Vertical	152	1.54	-
PK	2.4358G	109.53	Inf	-Inf	31.03	3	Vertical	152	1.54	-
AV	2.4362G	99.75	Inf	-Inf	31.03	3	Vertical	152	1.54	-
PK	2.4914G	55.58	74.00	-18.42	31.19	3	Vertical	152	1.54	-
AV	2.4842G	43.65	54.00	-10.35	31.17	3	Vertical	152	1.54	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

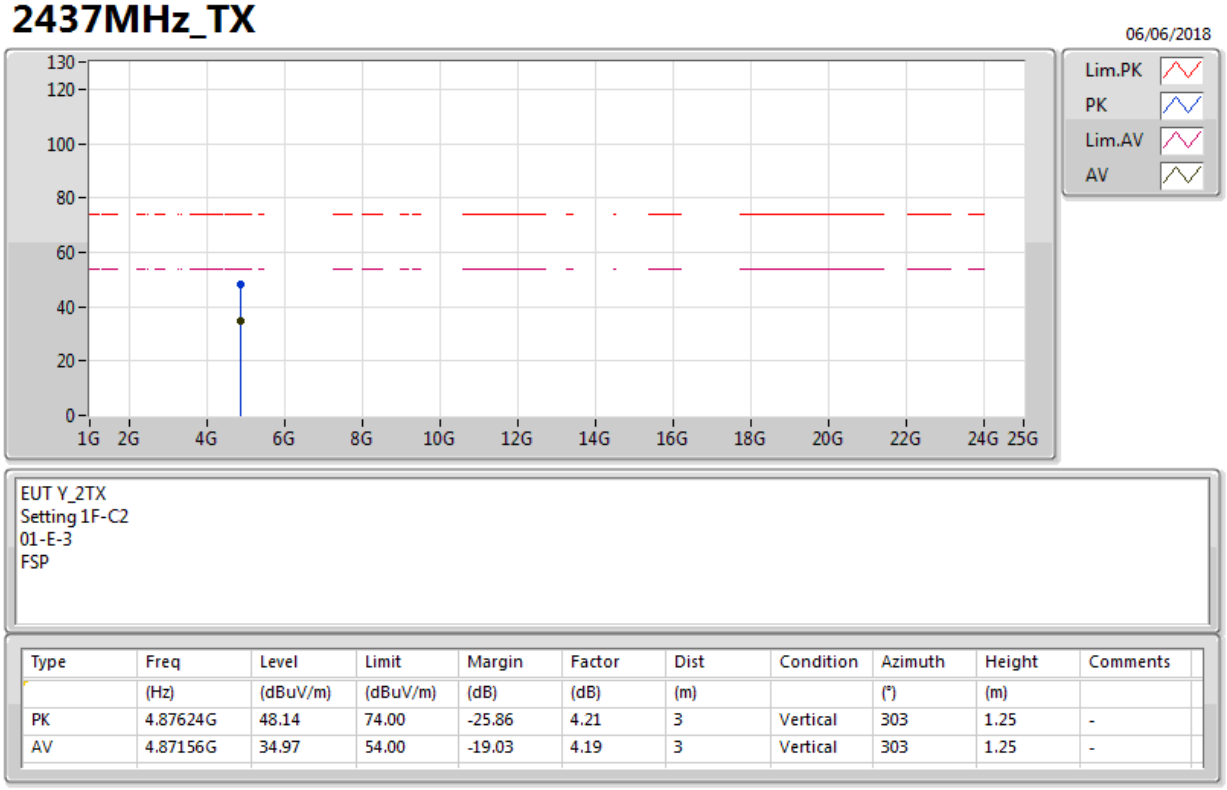


EUT Y_2TX
Setting 1F-C2
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.381G	55.18	74.00	-18.82	30.99	3	Horizontal	204	1.65	-
AV	2.3898G	42.82	54.00	-11.18	30.97	3	Horizontal	204	1.65	-
PK	2.435G	106.27	Inf	-Inf	31.03	3	Horizontal	204	1.65	-
AV	2.4354G	96.72	Inf	-Inf	31.03	3	Horizontal	204	1.65	-
PK	2.489G	55.07	74.00	-18.93	31.19	3	Horizontal	204	1.65	-
AV	2.4846G	43.32	54.00	-10.68	31.17	3	Horizontal	204	1.65	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

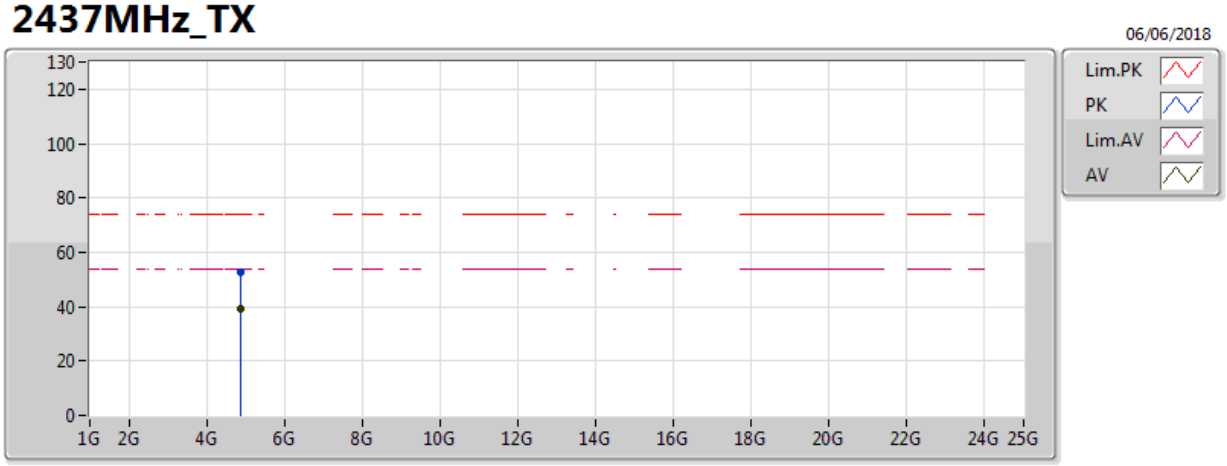


EUT Y_2TX
Setting 1F-C2
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87624G	48.14	74.00	-25.86	4.21	3	Vertical	303	1.25	-
AV	4.87156G	34.97	54.00	-19.03	4.19	3	Vertical	303	1.25	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

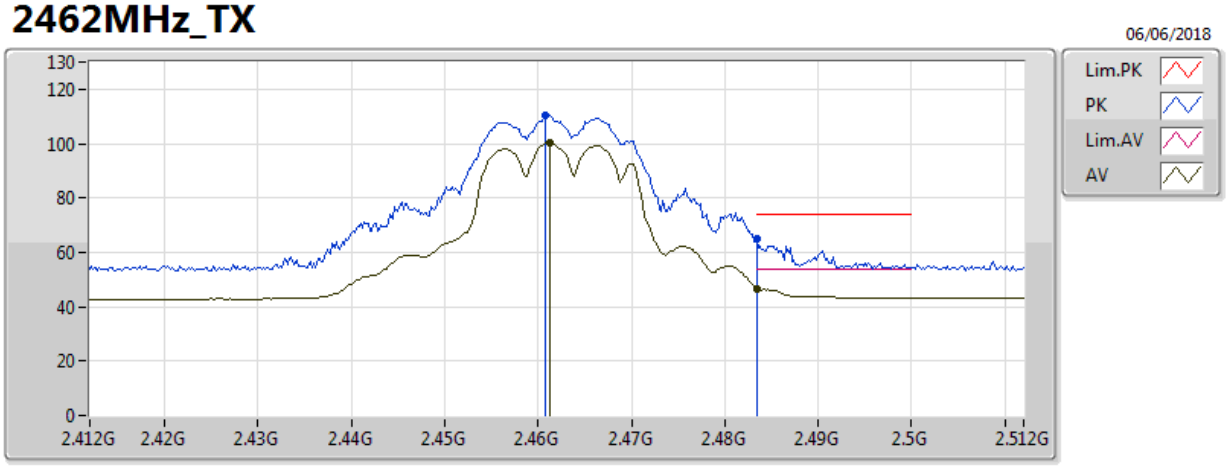


EUT Y_2TX
Setting 1F-C2
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87632G	52.88	74.00	-21.12	4.21	3	Horizontal	356	1.30	-
AV	4.876G	39.22	54.00	-14.78	4.21	3	Horizontal	356	1.30	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

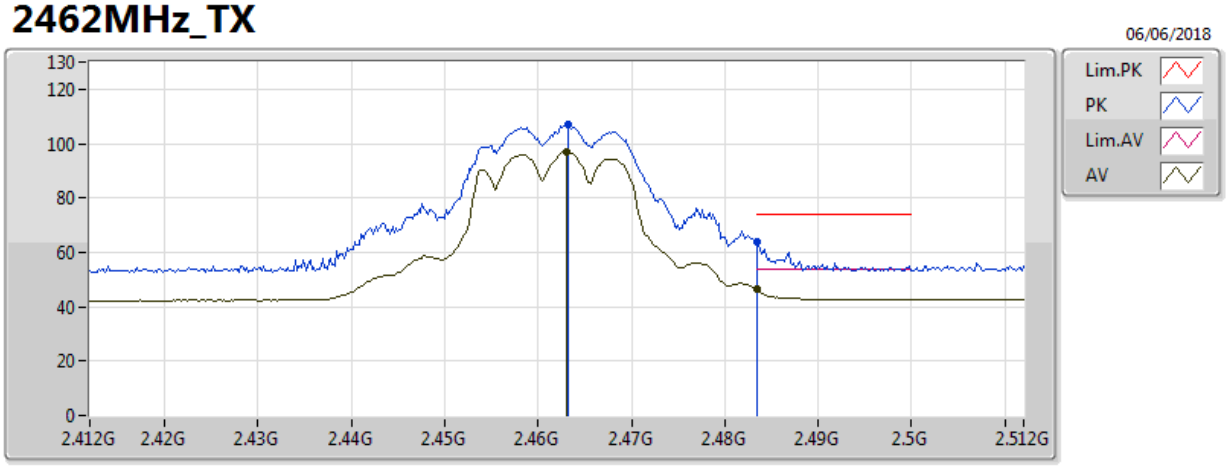


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4608G	110.25	Inf	-Inf	31.11	3	Vertical	331	1.47	-
AV	2.4612G	100.46	Inf	-Inf	31.11	3	Vertical	331	1.47	-
PK	2.483502G	64.74	74.00	-9.26	31.17	3	Vertical	331	1.47	-
AV	2.483502G	46.77	54.00	-7.23	31.17	3	Vertical	331	1.47	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

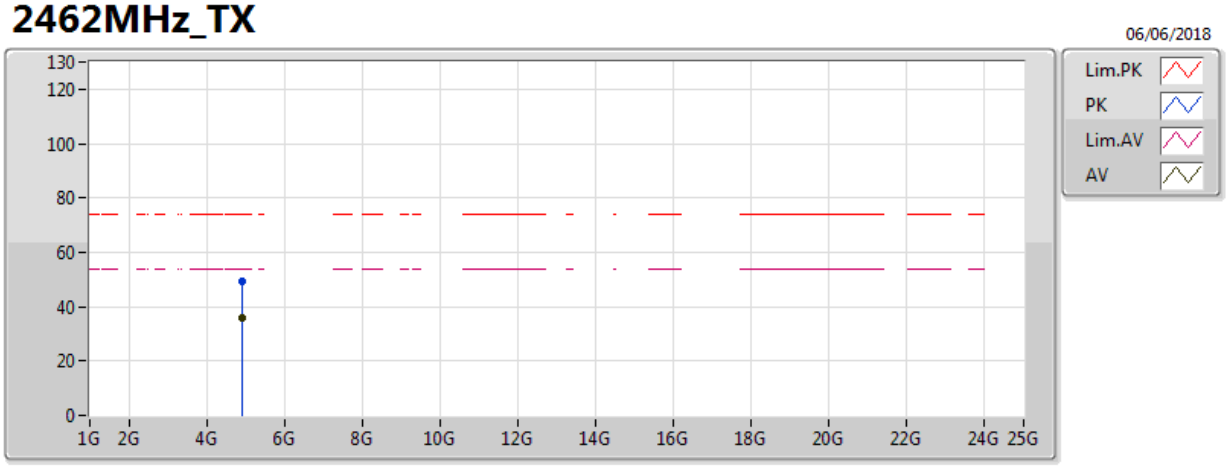


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4632G	107.05	Inf	-Inf	31.11	3	Horizontal	119	1.52	-
AV	2.463G	97.19	Inf	-Inf	31.11	3	Horizontal	119	1.52	-
PK	2.483502G	64.14	74.00	-9.86	31.17	3	Horizontal	119	1.52	-
AV	2.483502G	46.31	54.00	-7.69	31.17	3	Horizontal	119	1.52	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

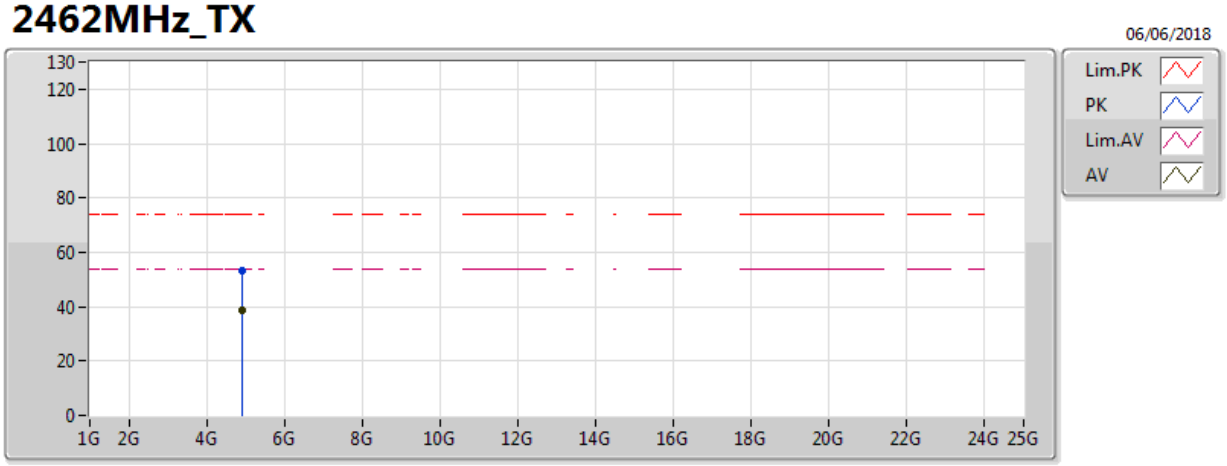


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92568G	49.28	74.00	-24.72	4.41	3	Vertical	1	1.95	-
AV	4.92136G	35.74	54.00	-18.26	4.39	3	Vertical	1	1.95	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

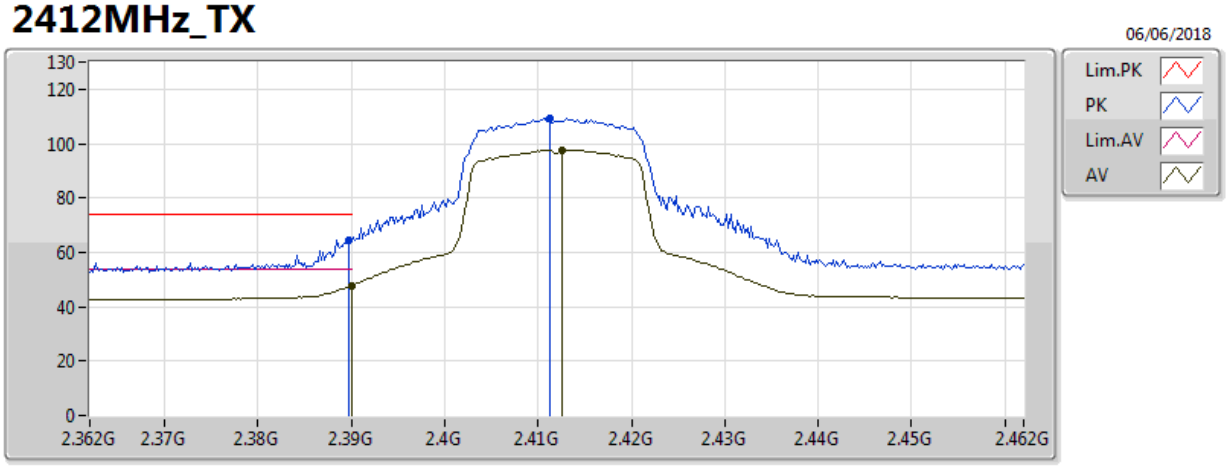


EUT Y_2TX
Setting 1F-C2
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92166G	53.13	74.00	-20.87	4.39	3	Horizontal	175	1.92	-
AV	4.9213G	38.51	54.00	-15.49	4.39	3	Horizontal	175	1.92	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

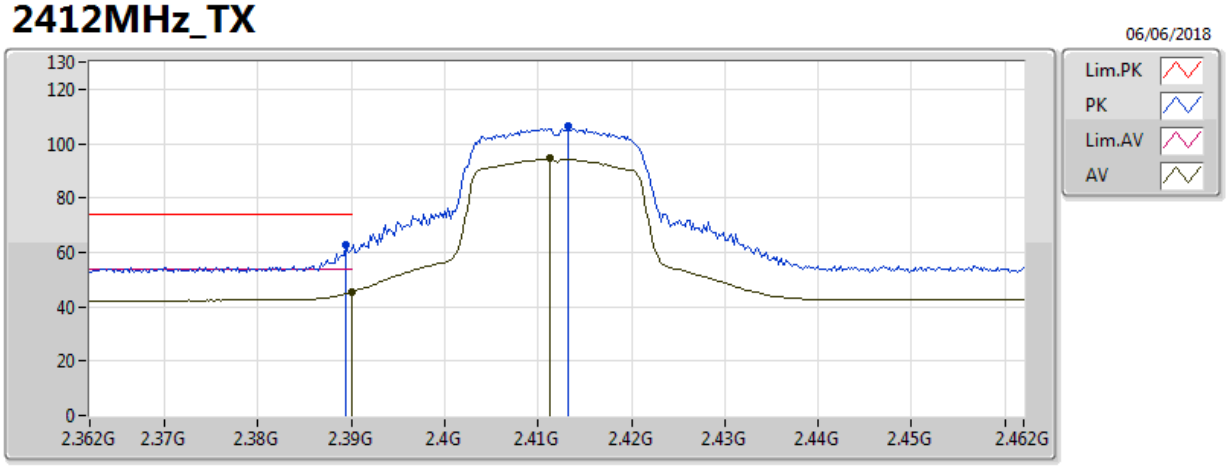


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	64.67	74.00	-9.33	30.97	3	Vertical	162	2.56	-
AV	2.389998G	47.81	54.00	-6.19	30.97	3	Vertical	162	2.56	-
PK	2.4112G	109.38	Inf	-Inf	30.96	3	Vertical	162	2.56	-
AV	2.4126G	97.78	Inf	-Inf	30.97	3	Vertical	162	2.56	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

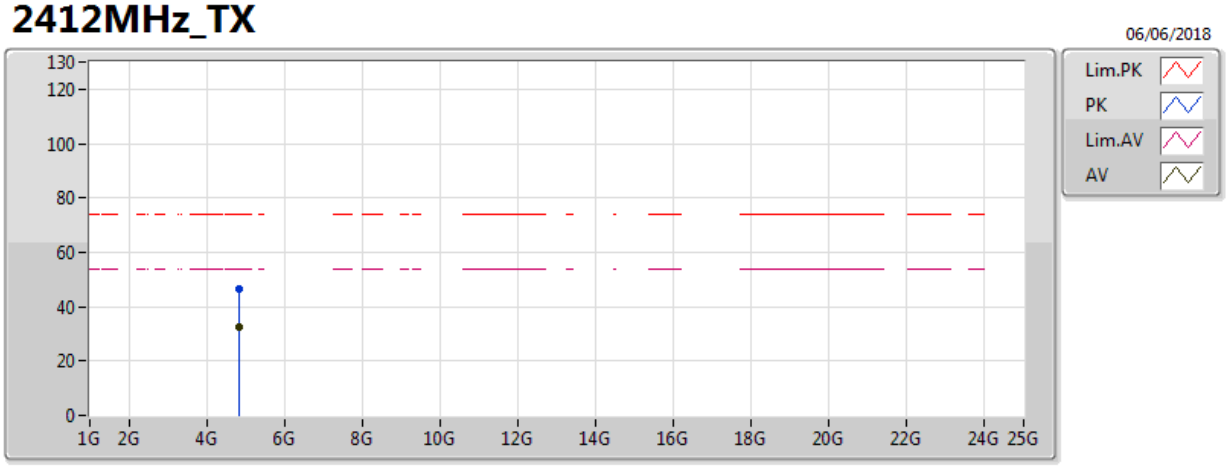


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	62.85	74.00	-11.15	30.97	3	Horizontal	217	1.78	-
AV	2.389998G	45.38	54.00	-8.62	30.97	3	Horizontal	217	1.78	-
PK	2.4132G	106.60	Inf	-Inf	30.97	3	Horizontal	217	1.78	-
AV	2.4112G	94.52	Inf	-Inf	30.96	3	Horizontal	217	1.78	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

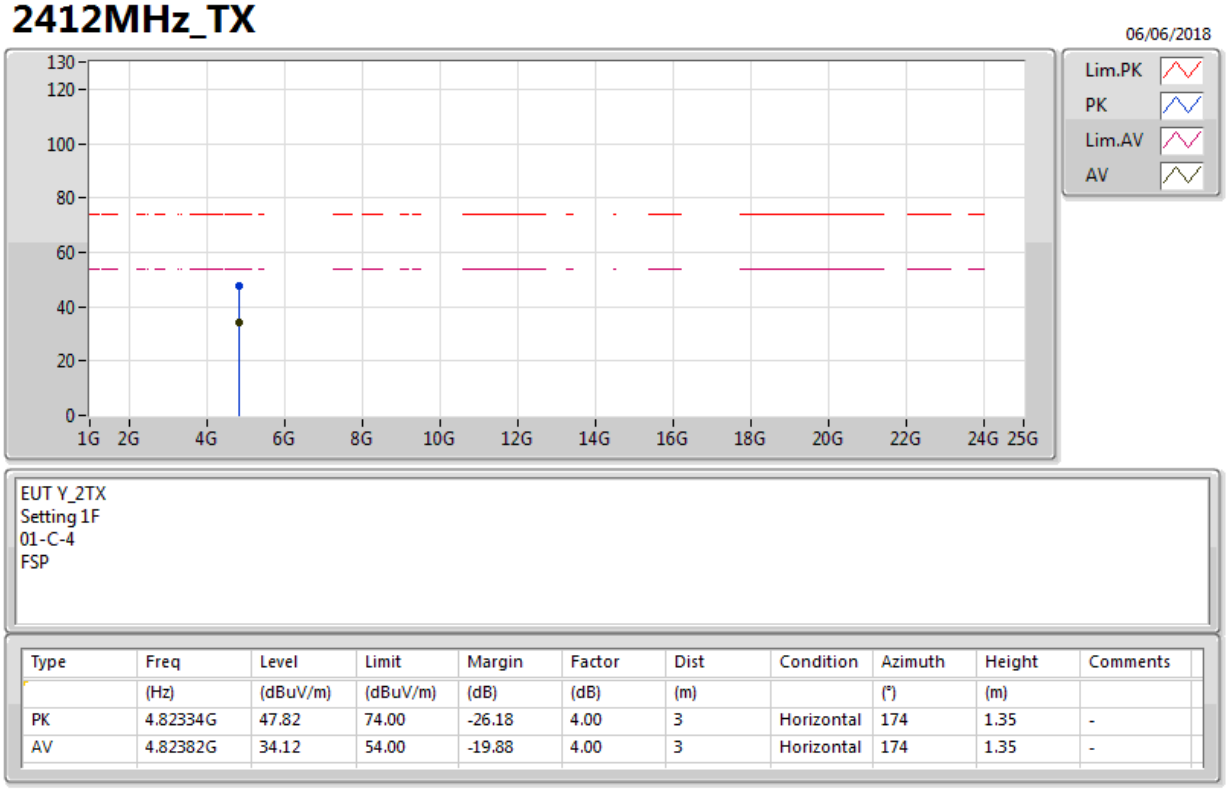


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83402G	46.49	74.00	-27.51	4.04	3	Vertical	12	1.77	-
AV	4.82406G	32.39	54.00	-21.61	4.00	3	Vertical	12	1.77	-

802.11n HT20_Nss2,(MCS8)_2TX

2412MHz_TX

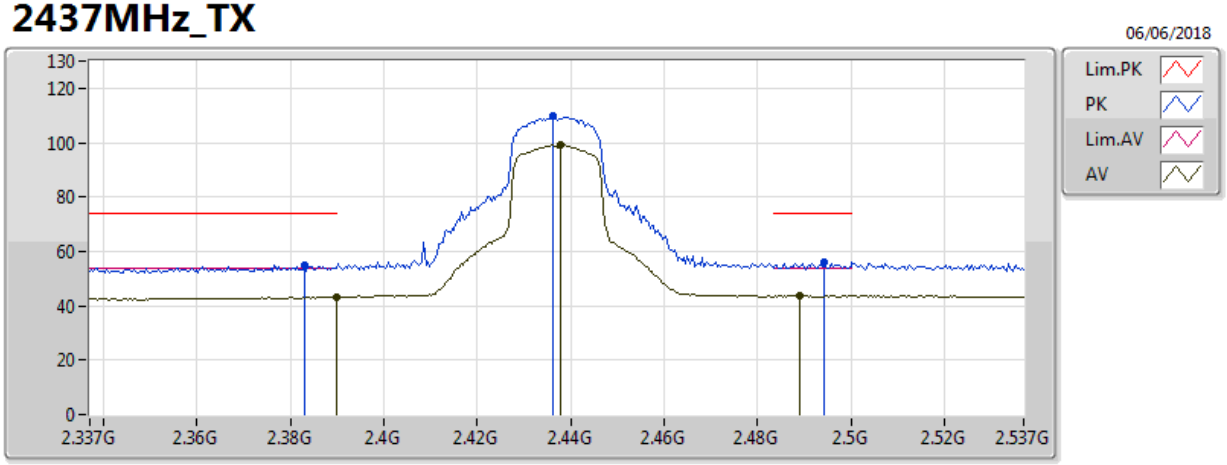


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82334G	47.82	74.00	-26.18	4.00	3	Horizontal	174	1.35	-
AV	4.82382G	34.12	54.00	-19.88	4.00	3	Horizontal	174	1.35	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

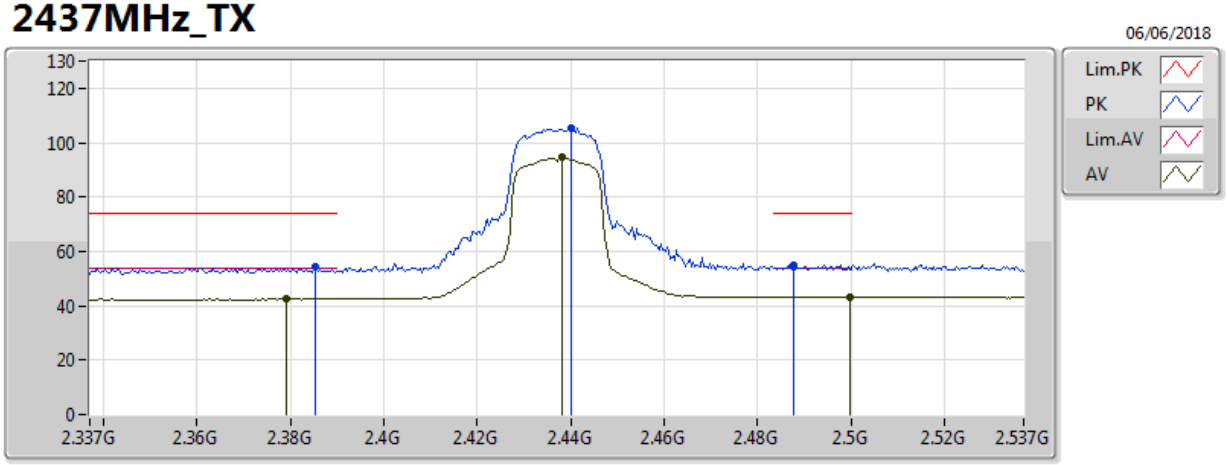


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.383G	54.86	74.00	-19.14	30.99	3	Vertical	204	2.08	-
AV	2.3898G	43.33	54.00	-10.67	30.97	3	Vertical	204	2.08	-
PK	2.4362G	109.60	Inf	-Inf	31.03	3	Vertical	204	2.08	-
AV	2.4378G	99.08	Inf	-Inf	31.04	3	Vertical	204	2.08	-
PK	2.4942G	56.07	74.00	-17.93	31.20	3	Vertical	204	2.08	-
AV	2.489G	43.74	54.00	-10.26	31.19	3	Vertical	204	2.08	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

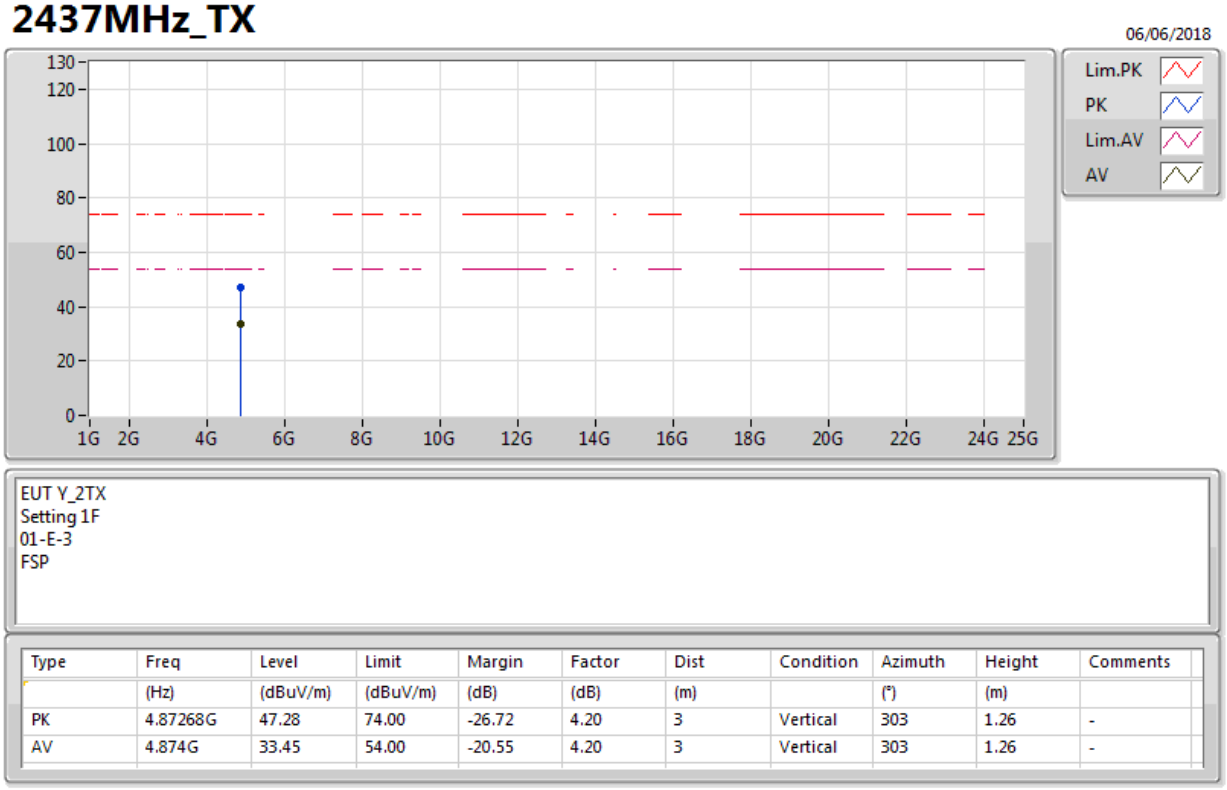


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3854G	54.34	74.00	-19.66	30.97	3	Horizontal	205	1.49	-
AV	2.379G	42.55	54.00	-11.45	30.99	3	Horizontal	205	1.49	-
PK	2.4402G	105.53	Inf	-Inf	31.05	3	Horizontal	205	1.49	-
AV	2.4382G	94.45	Inf	-Inf	31.04	3	Horizontal	205	1.49	-
PK	2.4878G	54.94	74.00	-19.06	31.19	3	Horizontal	205	1.49	-
AV	2.4998G	43.25	54.00	-10.75	31.22	3	Horizontal	205	1.49	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

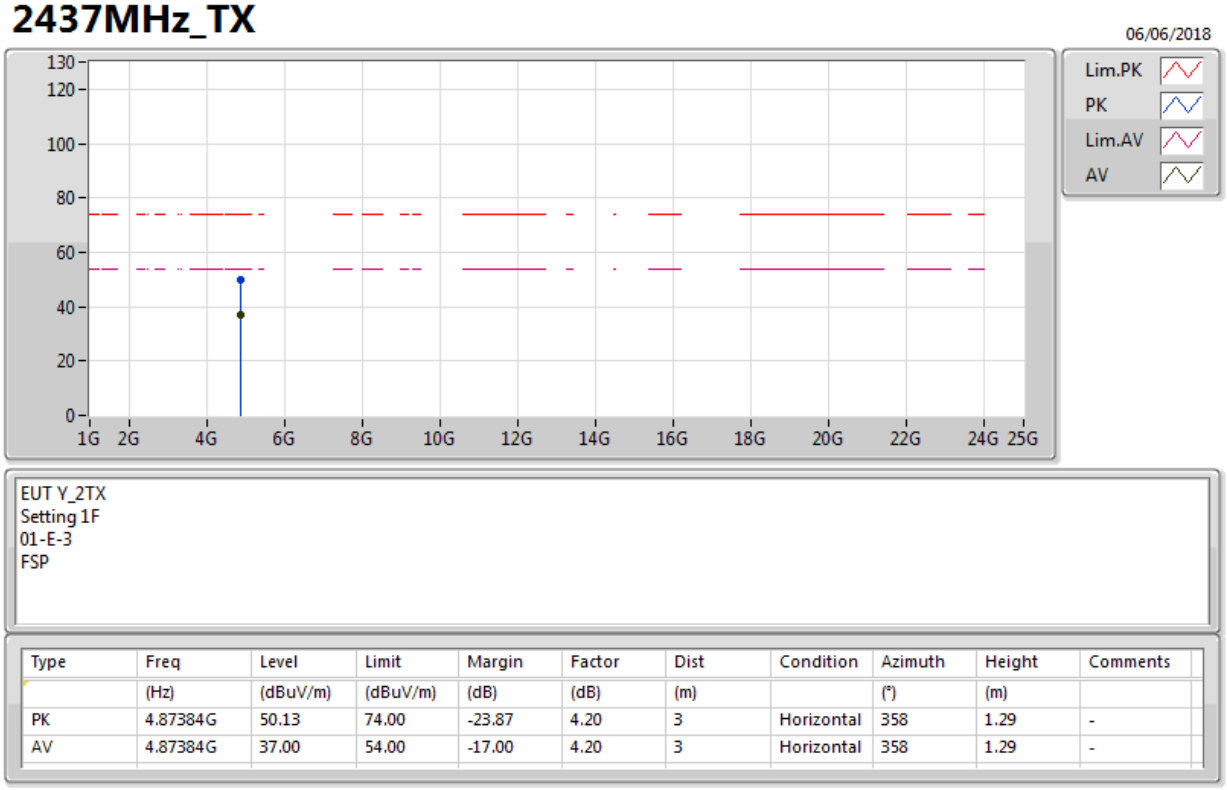


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87268G	47.28	74.00	-26.72	4.20	3	Vertical	303	1.26	-
AV	4.874G	33.45	54.00	-20.55	4.20	3	Vertical	303	1.26	-

802.11n HT20_Nss2,(MCS8)_2TX

2437MHz_TX

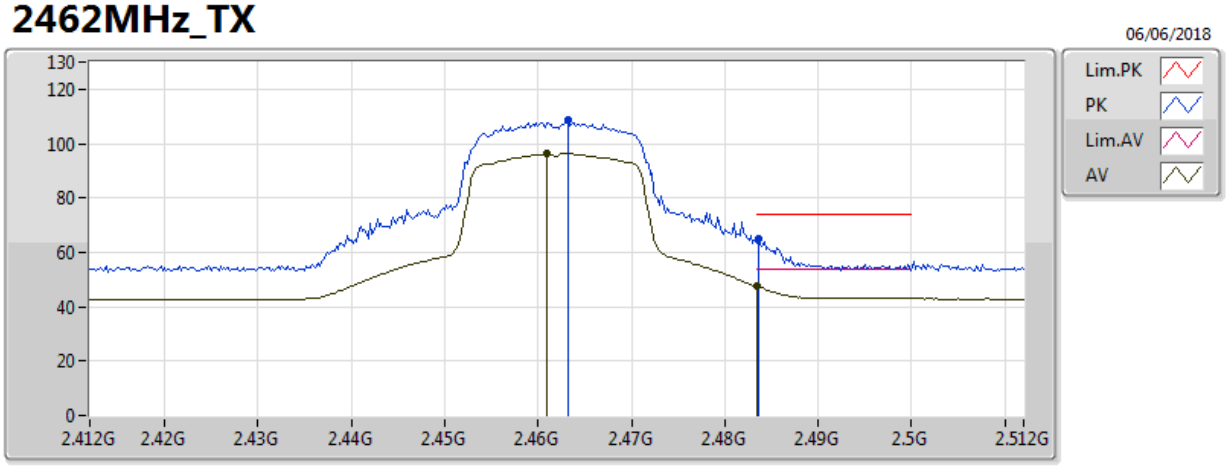


EUT Y_2TX
Setting 1F
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87384G	50.13	74.00	-23.87	4.20	3	Horizontal	358	1.29	-
AV	4.87384G	37.00	54.00	-17.00	4.20	3	Horizontal	358	1.29	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

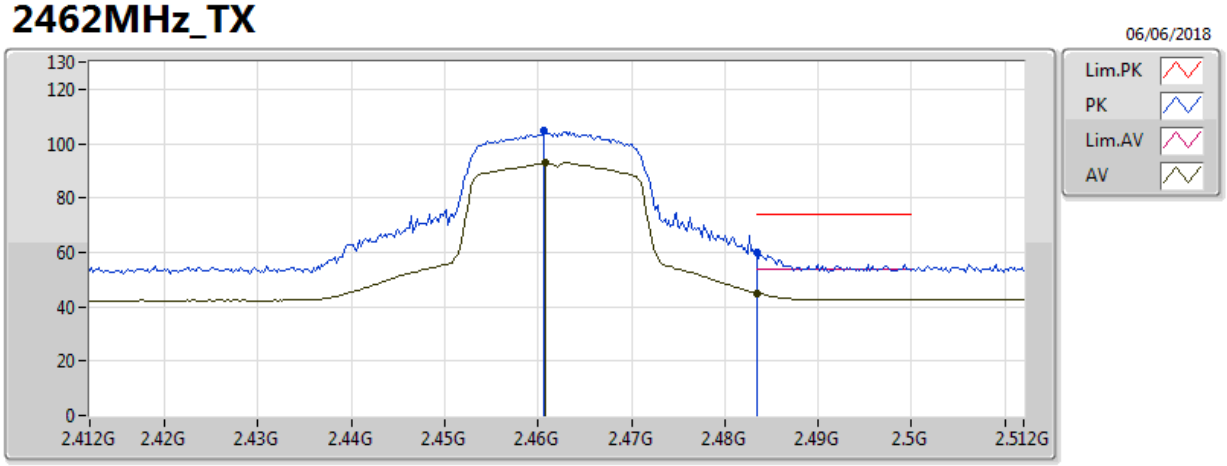


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4632G	108.56	Inf	-Inf	31.11	3	Vertical	331	1.50	-
AV	2.461G	96.42	Inf	-Inf	31.11	3	Vertical	331	1.50	-
PK	2.4836G	64.89	74.00	-9.11	31.17	3	Vertical	331	1.50	-
AV	2.483502G	47.37	54.00	-6.63	31.17	3	Vertical	331	1.50	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

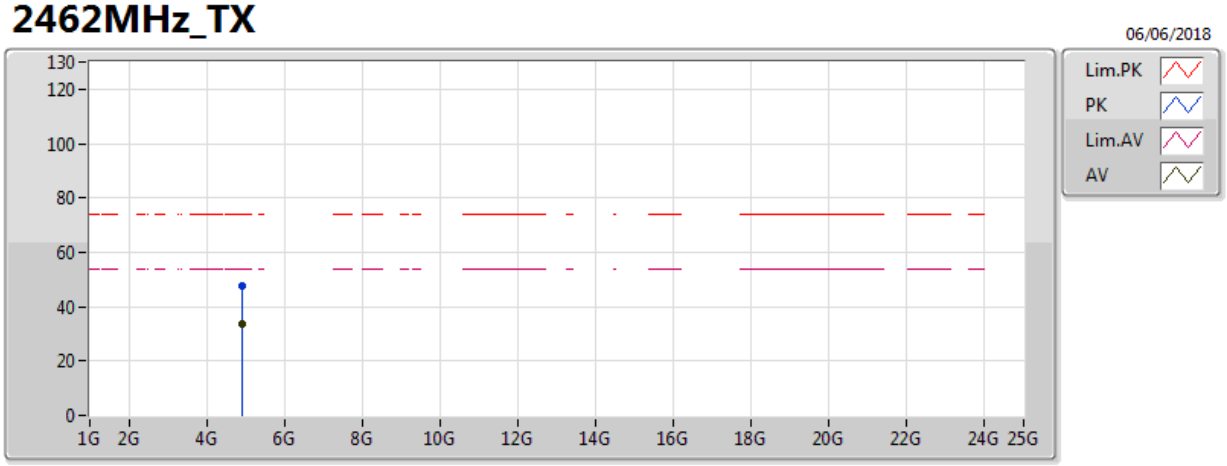


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4606G	104.61	Inf	-Inf	31.11	3	Horizontal	116	1.51	-
AV	2.4608G	92.79	Inf	-Inf	31.11	3	Horizontal	116	1.51	-
PK	2.483502G	60.02	74.00	-13.98	31.17	3	Horizontal	116	1.51	-
AV	2.483502G	44.91	54.00	-9.09	31.17	3	Horizontal	116	1.51	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

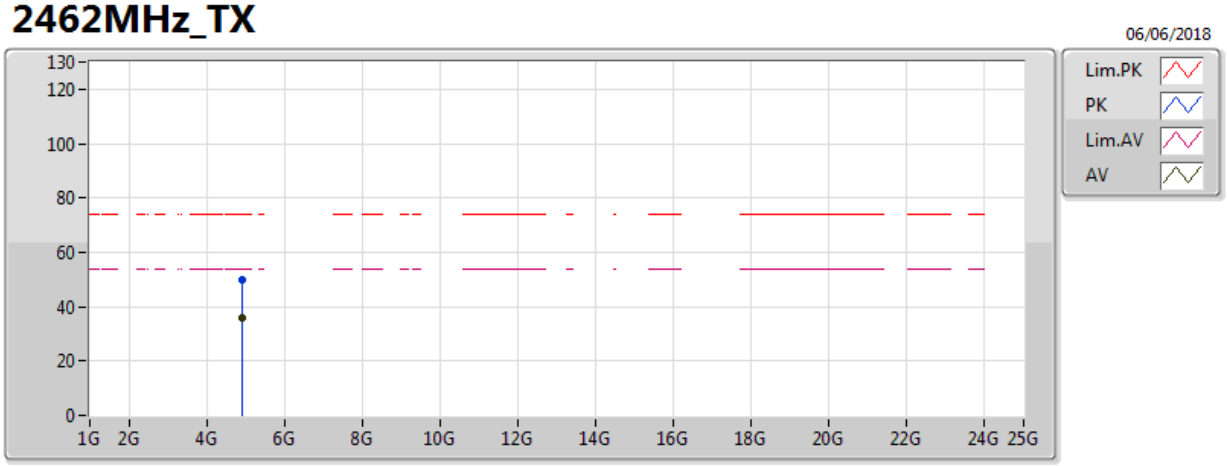


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92004G	47.52	74.00	-26.48	4.39	3	Vertical	10	1.43	-
AV	4.92406G	33.53	54.00	-20.47	4.40	3	Vertical	10	1.43	-

802.11n HT20_Nss2,(MCS8)_2TX

2462MHz_TX

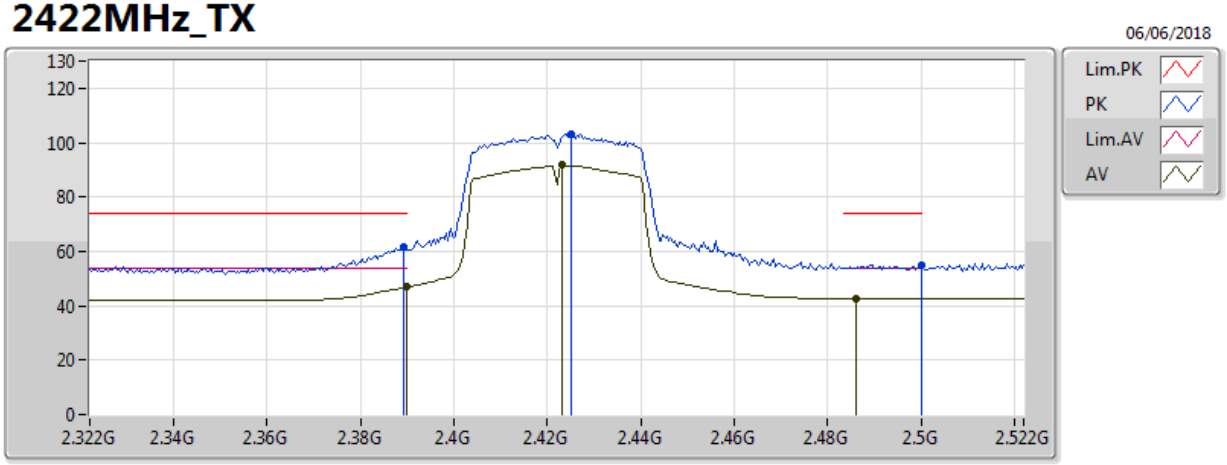


EUT Y_2TX
Setting 1F
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92382G	50.05	74.00	-23.95	4.40	3	Horizontal	175	1.10	-
AV	4.92388G	35.94	54.00	-18.06	4.40	3	Horizontal	175	1.10	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

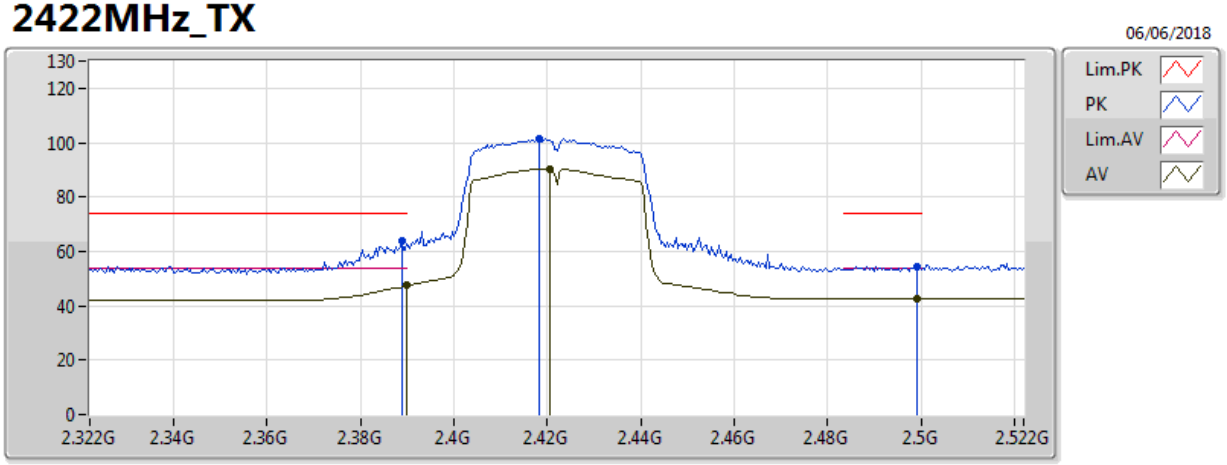


EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	61.70	74.00	-12.30	30.97	3	Vertical	335	1.44	-
AV	2.389998G	46.91	54.00	-7.09	30.97	3	Vertical	335	1.44	-
PK	2.4252G	103.20	Inf	-Inf	31.00	3	Vertical	335	1.44	-
AV	2.4232G	91.68	Inf	-Inf	31.00	3	Vertical	335	1.44	-
PK	2.499998G	54.68	74.00	-19.32	31.22	3	Vertical	335	1.44	-
AV	2.486G	42.76	54.00	-11.24	31.18	3	Vertical	335	1.44	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

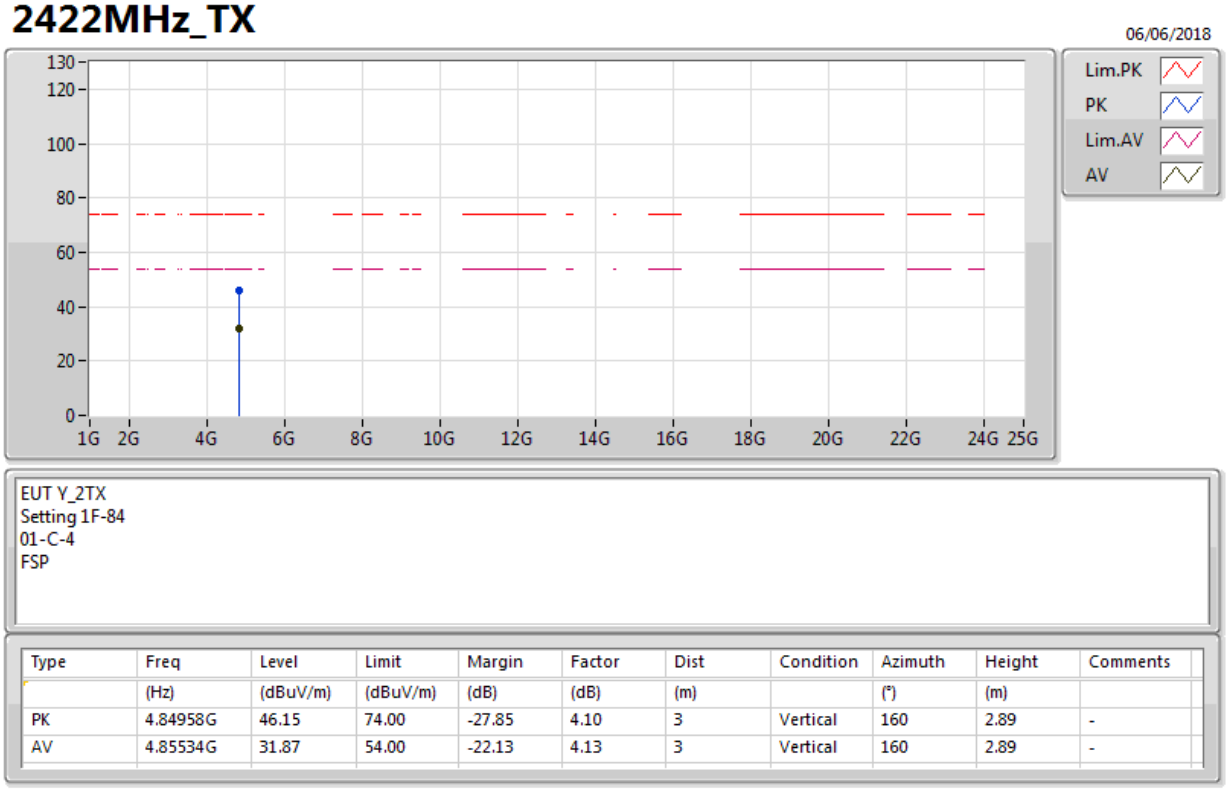


EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	63.66	74.00	-10.34	30.97	3	Horizontal	224	2.07	-
AV	2.389998G	47.38	54.00	-6.62	30.97	3	Horizontal	224	2.07	-
PK	2.4184G	101.61	Inf	-Inf	30.98	3	Horizontal	224	2.07	-
AV	2.4204G	90.39	Inf	-Inf	30.99	3	Horizontal	224	2.07	-
PK	2.4992G	54.60	74.00	-19.40	31.22	3	Horizontal	224	2.07	-
AV	2.4992G	42.57	54.00	-11.43	31.22	3	Horizontal	224	2.07	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

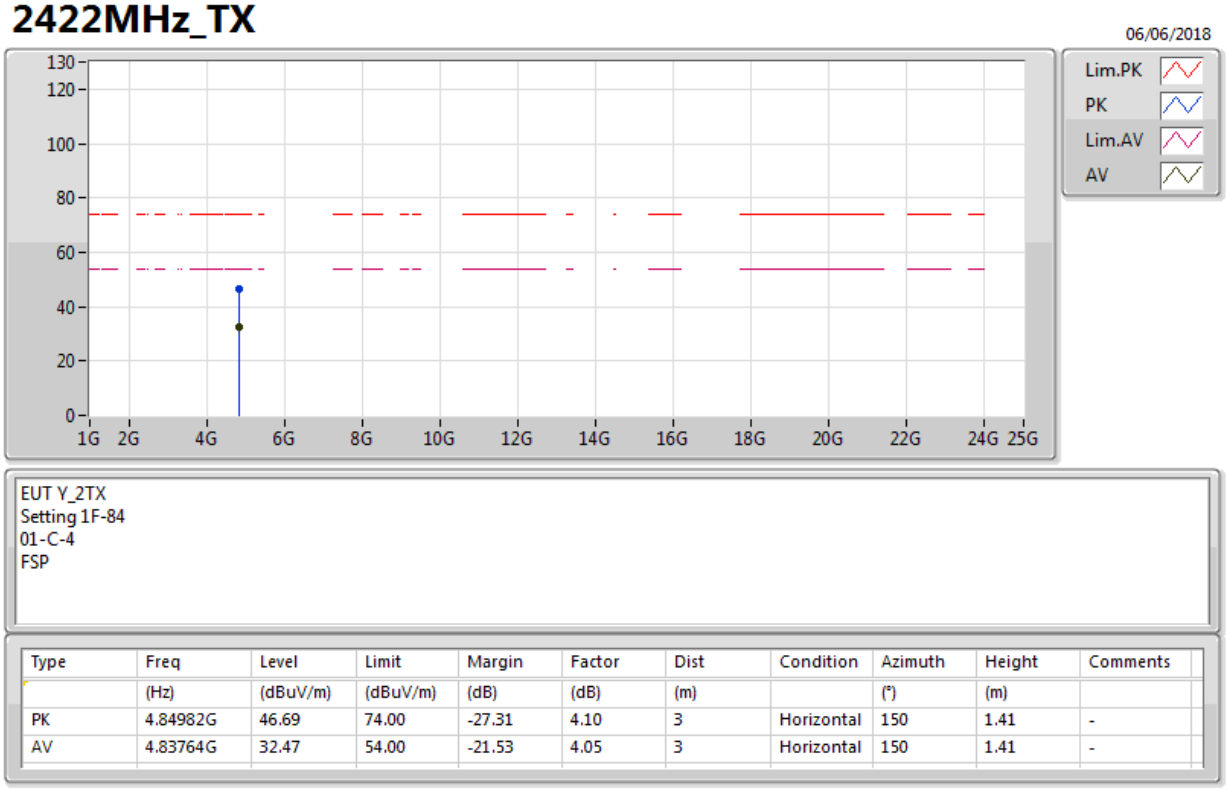


EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84958G	46.15	74.00	-27.85	4.10	3	Vertical	160	2.89	-
AV	4.85534G	31.87	54.00	-22.13	4.13	3	Vertical	160	2.89	-

802.11n HT40_Nss2,(MCS8)_2TX

2422MHz_TX

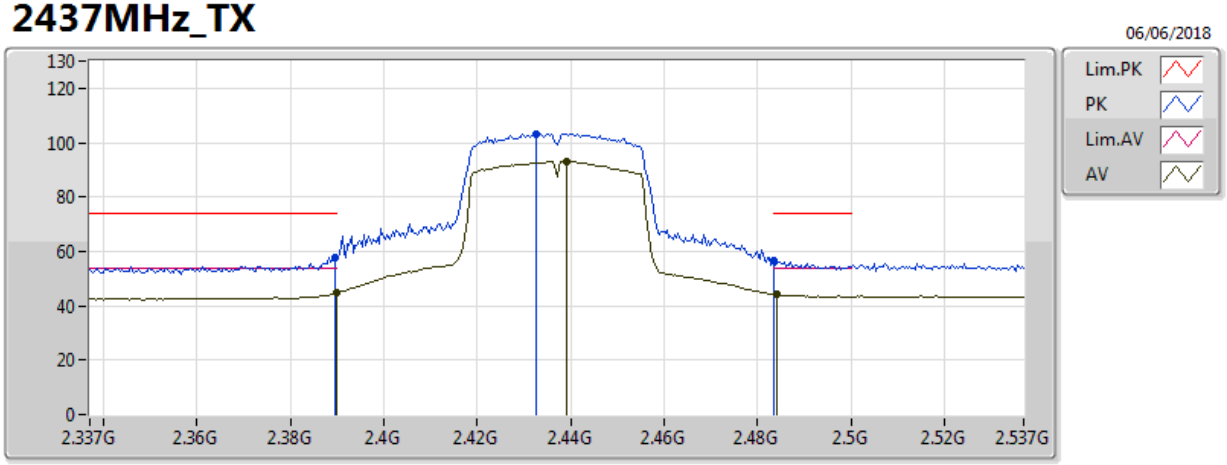


EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84982G	46.69	74.00	-27.31	4.10	3	Horizontal	150	1.41	-
AV	4.83764G	32.47	54.00	-21.53	4.05	3	Horizontal	150	1.41	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

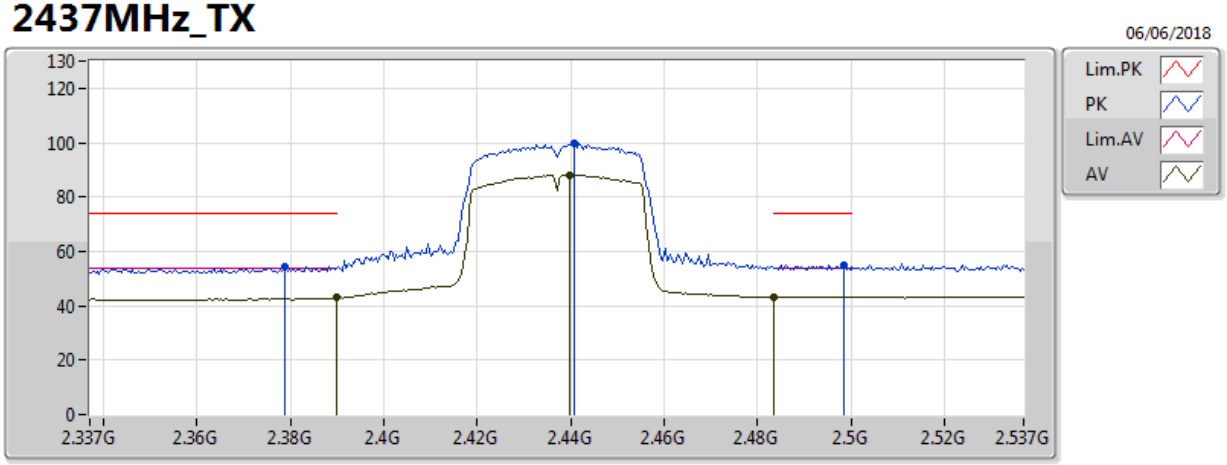


EUT Y_2TX
Setting 1F-84
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	57.50	74.00	-16.50	30.97	3	Vertical	205	2.09	-
AV	2.3898G	44.80	54.00	-9.20	30.97	3	Vertical	205	2.09	-
PK	2.4326G	103.19	Inf	-Inf	31.02	3	Vertical	205	2.09	-
AV	2.439G	93.19	Inf	-Inf	31.04	3	Vertical	205	2.09	-
PK	2.483502G	56.75	74.00	-17.25	31.17	3	Vertical	205	2.09	-
AV	2.4842G	44.39	54.00	-9.61	31.17	3	Vertical	205	2.09	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

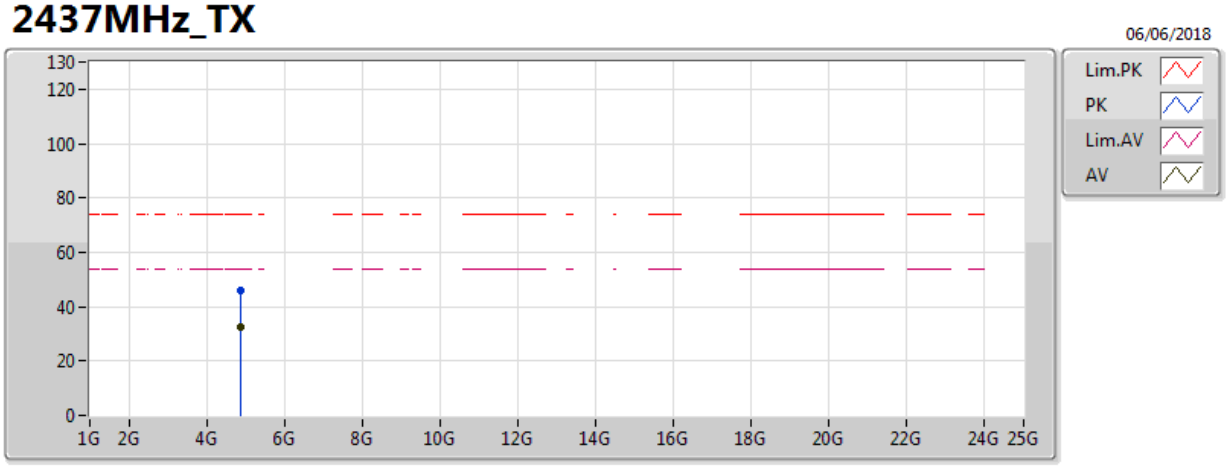


EUT Y_2TX
Setting 1F-84
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3786G	54.60	74.00	-19.40	30.99	3	Horizontal	202	1.68	-
AV	2.3898G	42.95	54.00	-11.05	30.97	3	Horizontal	202	1.68	-
PK	2.4406G	99.81	Inf	-Inf	31.05	3	Horizontal	202	1.68	-
AV	2.4398G	88.03	Inf	-Inf	31.05	3	Horizontal	202	1.68	-
PK	2.4986G	54.81	74.00	-19.19	31.21	3	Horizontal	202	1.68	-
AV	2.483502G	43.20	54.00	-10.80	31.17	3	Horizontal	202	1.68	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

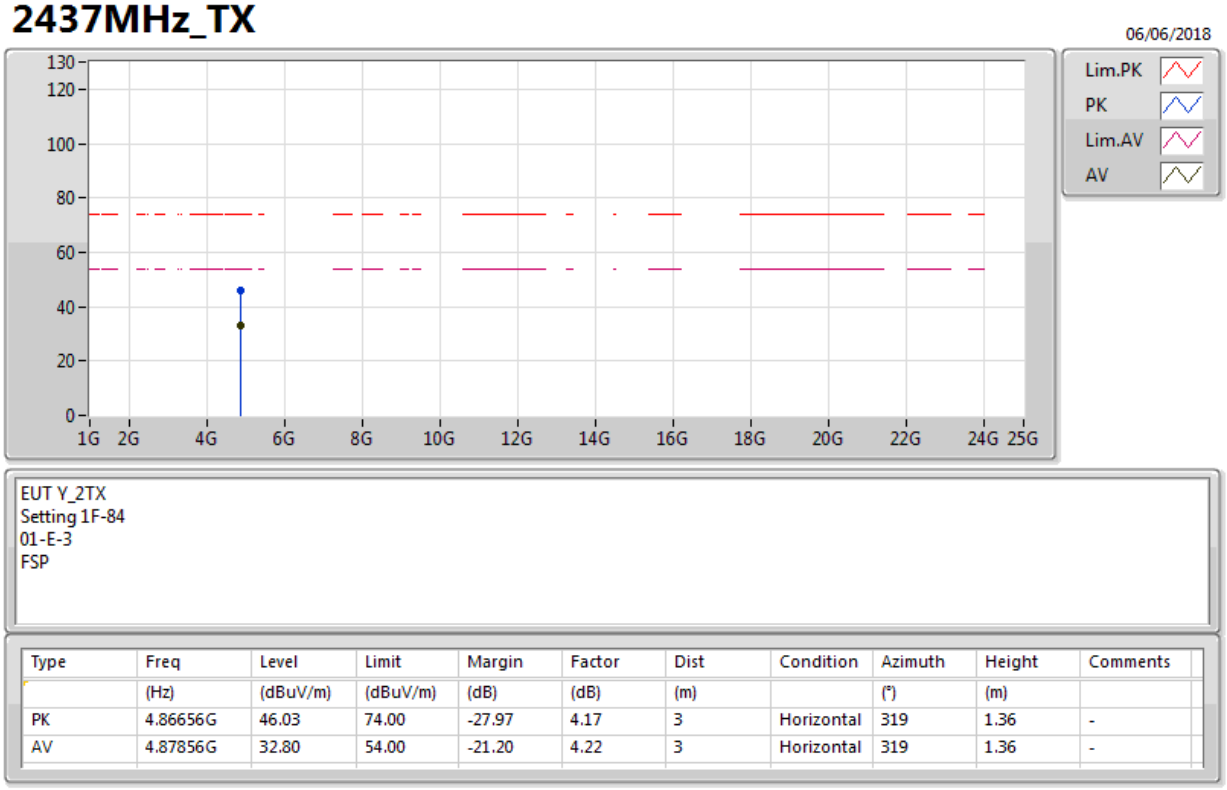


EUT Y_2TX
Setting 1F-84
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88696G	46.08	74.00	-27.92	4.26	3	Vertical	266	1.01	-
AV	4.88684G	32.60	54.00	-21.40	4.26	3	Vertical	266	1.01	-

802.11n HT40_Nss2,(MCS8)_2TX

2437MHz_TX

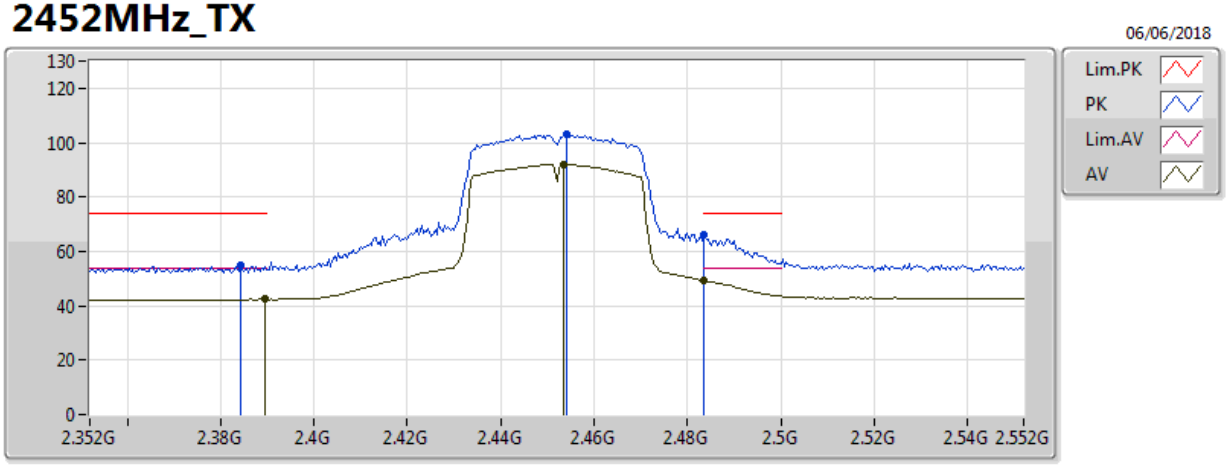


EUT Y_2TX
Setting 1F-84
01-E-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86656G	46.03	74.00	-27.97	4.17	3	Horizontal	319	1.36	-
AV	4.87856G	32.80	54.00	-21.20	4.22	3	Horizontal	319	1.36	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX

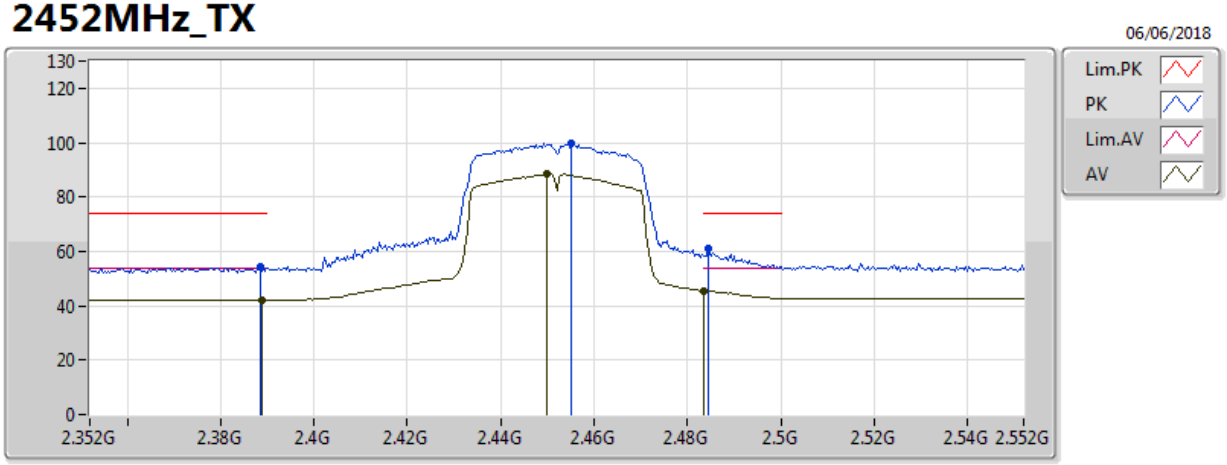


EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3844G	54.86	74.00	-19.14	30.97	3	Vertical	22	2.23	-
AV	2.3896G	42.36	54.00	-11.64	30.97	3	Vertical	22	2.23	-
PK	2.454G	102.90	Inf	-Inf	31.09	3	Vertical	22	2.23	-
AV	2.4536G	92.04	Inf	-Inf	31.09	3	Vertical	22	2.23	-
PK	2.483502G	66.20	74.00	-7.80	31.17	3	Vertical	22	2.23	-
AV	2.483502G	49.21	54.00	-4.79	31.17	3	Vertical	22	2.23	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX

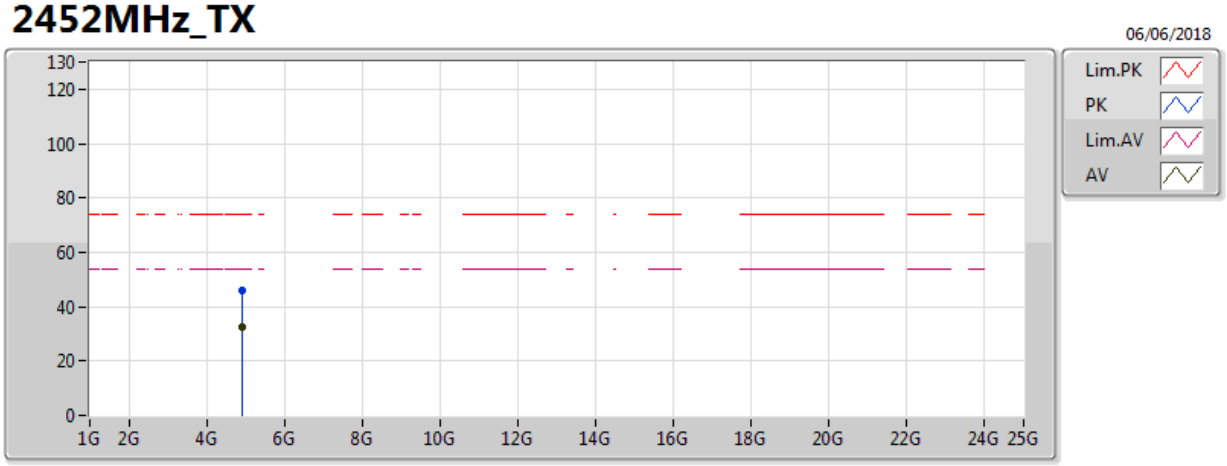


EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3884G	54.22	74.00	-19.78	30.97	3	Horizontal	136	1.49	-
AV	2.3888G	42.17	54.00	-11.83	30.97	3	Horizontal	136	1.49	-
PK	2.4552G	99.71	Inf	-Inf	31.09	3	Horizontal	136	1.49	-
AV	2.45G	88.36	Inf	-Inf	31.08	3	Horizontal	136	1.49	-
PK	2.4844G	61.01	74.00	-12.99	31.17	3	Horizontal	136	1.49	-
AV	2.483502G	45.48	54.00	-8.52	31.17	3	Horizontal	136	1.49	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX

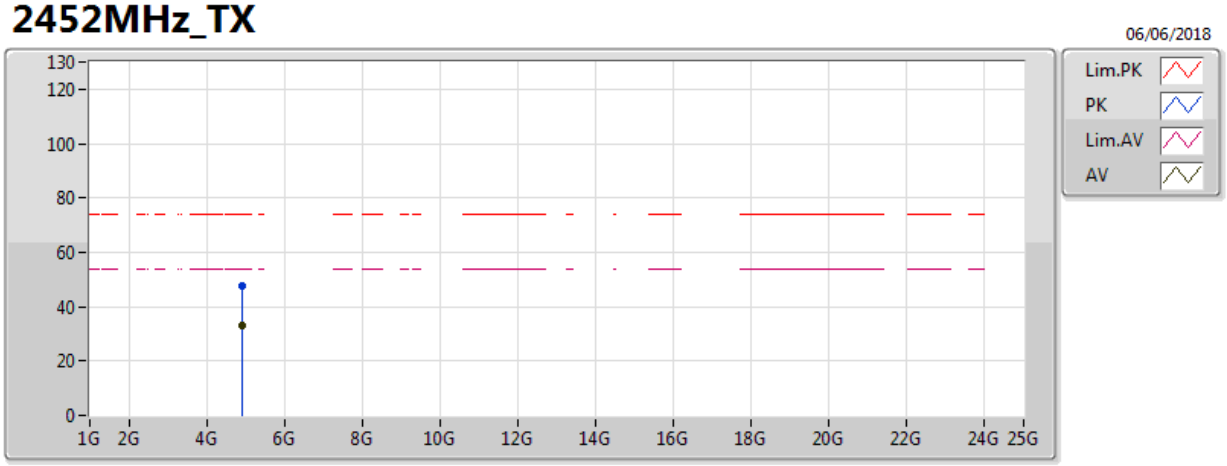


EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91696G	46.14	74.00	-27.86	4.38	3	Vertical	31	1.33	-
AV	4.9172G	32.58	54.00	-21.42	4.38	3	Vertical	31	1.33	-

802.11n HT40_Nss2,(MCS8)_2TX

2452MHz_TX



EUT Y_2TX
Setting 1F-84
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90466G	47.46	74.00	-26.54	4.33	3	Horizontal	152	1.26	-
AV	4.90274G	33.22	54.00	-20.78	4.32	3	Horizontal	152	1.26	-