FCC Test Report

FCC ID	:	**HDCSDX810AP**
Equipment	:	**Mesh Access Point**
Brand Name	:	ADTRAN
Model Name	:	**SDX810-AP**
Applicant	:	**Adtran** **901 Explorer Blvd., Huntsville, AL 35806, US**
Manufacturer	:	**XAVi Technologies Corporation** **22F., No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City 241, Taiwan (R.O.C.)**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Mar. 09, 2018, and testing was started from Mar. 17, 2018 and completed on Apr. 18, 2018. . We, SPORTON INTERTIONAL 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 INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR6N1725-03AC	01	Initial issue of report	May 02, 2018

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	DTS Bandwidth	PASS	≥500kHz
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Power [dBm]: 30
3.4	15.247(e)	Power Spectral Density	PASS	PSD [dBm/3kHz]: 8
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: > 30 dBc
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

Reviewed by: Jeremy Lin

Report Producer: Ivy Yuan

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.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
2.4G				
1	-	-	Embedded Antenna	Mini U.FL
2	-	-	PIFA Antenna	Mini U.FL
5G First group				
3	-	-	PIFA Antenna	U.FL
4	-	-	PIFA Antenna	U.FL
5	-	-	PIFA Antenna	U.FL
6	-	-	PIFA Antenna	U.FL
5G Second Group				
7	-	-	PIFA Antenna	U.FL
8	-	-	PIFA Antenna	U.FL
9	-	-	PIFA Antenna	U.FL
10	-	-	PIFA Antenna	U.FL

Ant.	port	Gain (dBi)		
		2.4G	5G UNII-1	5G UNII-3
1	1	2.4	-	-
2	2	2.4	-	-
3	1	-	3.5	3.9
4	2	-	3.5	3.9
5	3	-	3.5	3.9
6	4	-	3.5	3.9
7	-	-	3	3
8	-	-	3	3
9	-	-	3	3
10	-	-	3	3

Note 1: EUT can match with above antennas for using. Higher gain in each type of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

1.1.3 EUT Information

Identify EUT				
Part Number	1287860Fx (x=0~9, a~z, A~Z, blank, “-” or “+”)			
Operational Condition				
EUT Power Type	From AC Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	…
☐	Other:	

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.784	1.057	545.625u	3k
802.11g	0.329	4.828	86.25u	10k
802.11n HT20	0.204	6.904	46.25u	10k
802.11n HT40	0.195	7.1	66.25u	10k

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
- KDB 558074 D01 v04
- KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Barry	22.5°C / 65%	19/Mar/2018
Radiated	03CH031-HY	Jeff	24.2°C / 58%	17/Mar/2018
AC Conduction	CO04-HY	Daniel	24.1°C / 57%	18/Apr/2018

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	MT7603 QA 0.0.0.81

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	1C
2437MHz	1C
2457MHz	1C
2462MHz	17
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	1B
2417MHz	1C
2422MHz	1D
2437MHz	1D
2462MHz	1D
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	1C
2437MHz	1C
2457MHz	1C
2462MHz	1B
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	14
2427MHz	14
2432MHz	1B
2437MHz	1C
2442MHz	1C
2447MHz	19
2452MHz	15

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA6N1725-03 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories				
AC Adapter	Brand Name	SUNNY	Model Name	SYS1531-2412-W2
	Power Rating	I/P: 100 – 240 Vac, 1 A, O/P: 12 Vdc, 2 A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

2.5 Support Equipment

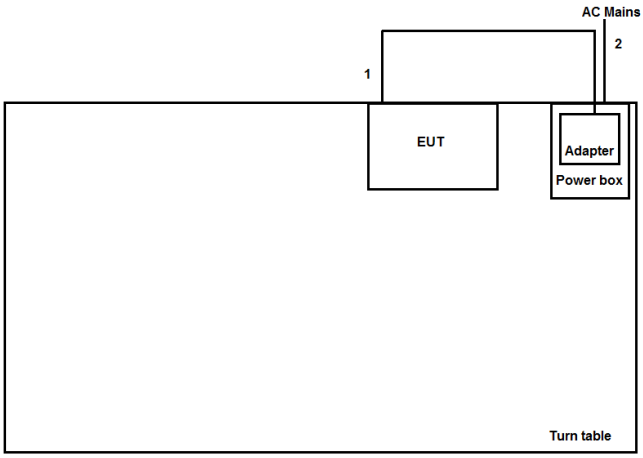
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Adapter	SUNNY	SYS1531-2412-W2	-

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Adapter	SUNNY	SYS1531-2412-W2	-

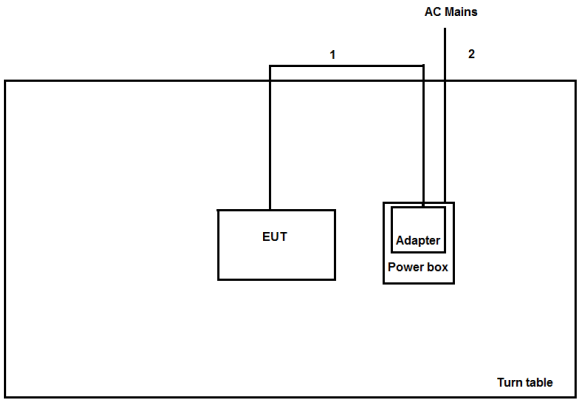
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power line	No	1 .5m	-
2	AC Power line	No	1 m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power line	No	1 .5m	-
2	AC Power line	No	1 m	-

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

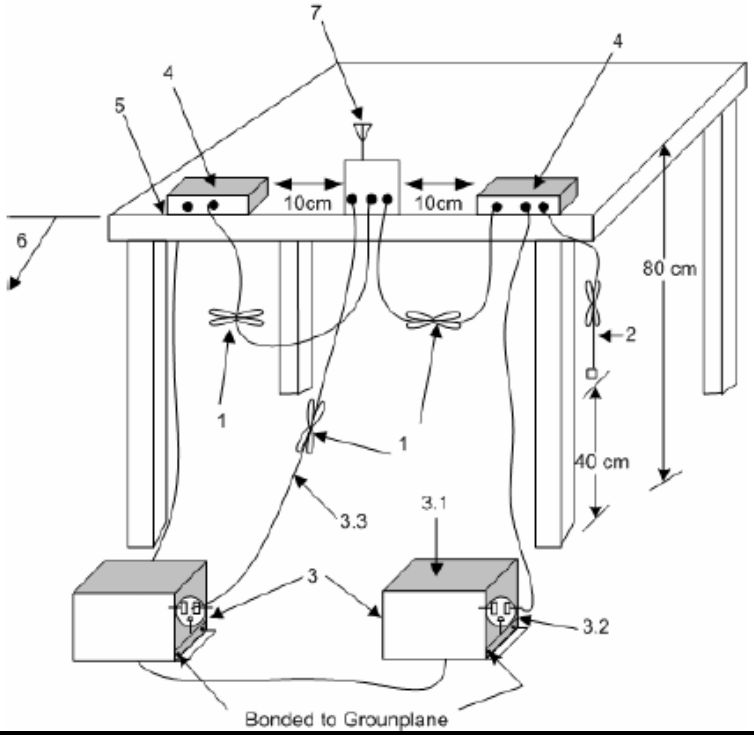
Refer a test equipment and calibration data table in this test report.

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



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.

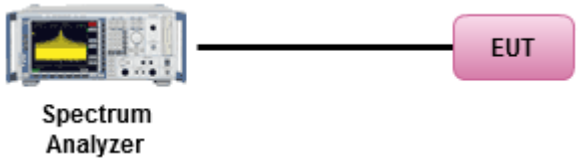
3.2.2 Measuring Instruments

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 KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.6 for for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 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
e.i.r.p. Power Limit:		
▪ 2400-2483.5 MHz Band		
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)	
	▪ Point-to-point systems (P2P): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ 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 KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	☐ Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
	☐ Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Average Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	Duty cycle < 98%
	☐ Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
	☒ Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as 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

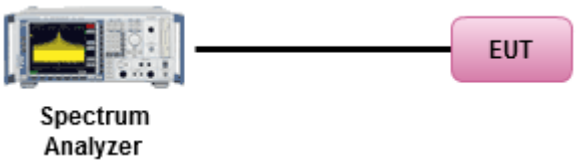
3.4.2 Measuring Instruments

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 KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as 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.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

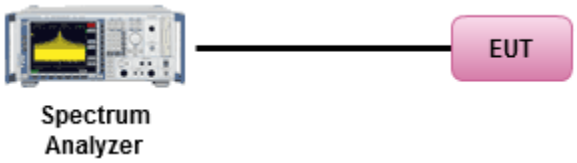
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as 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.

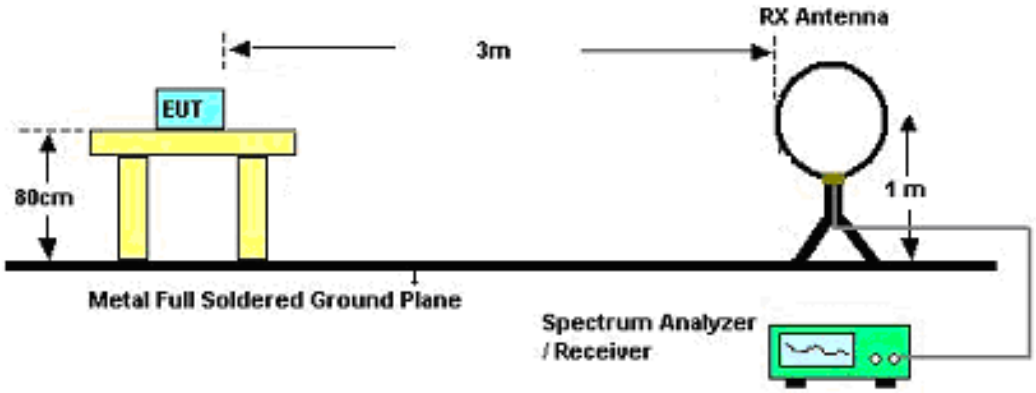
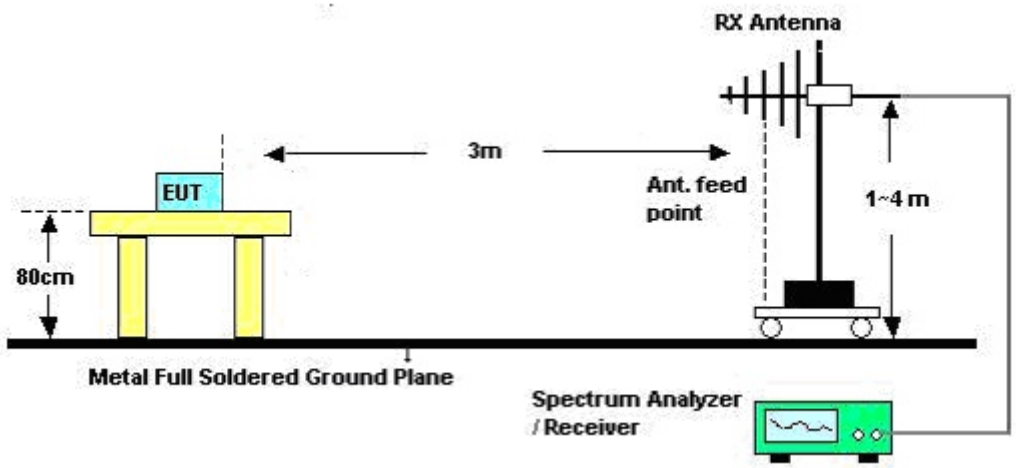
3.6.2 Measuring Instruments

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

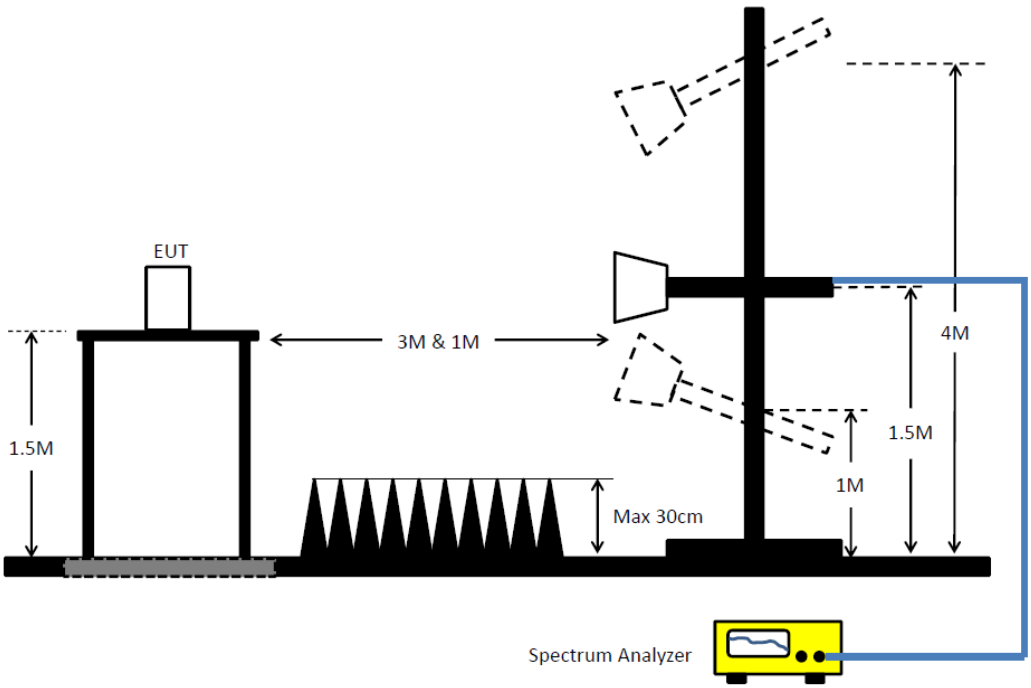
3.6.3 Test Procedures

Test Method
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪ Refer as ANSI C63.10, clause 6.10.3 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 KDB 558074, clause 12 for unwanted emissions into restricted bands.
☒ Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW≥1/T.
☒ Refer as 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 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 KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
▪ Refer as 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 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 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

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.6.5 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

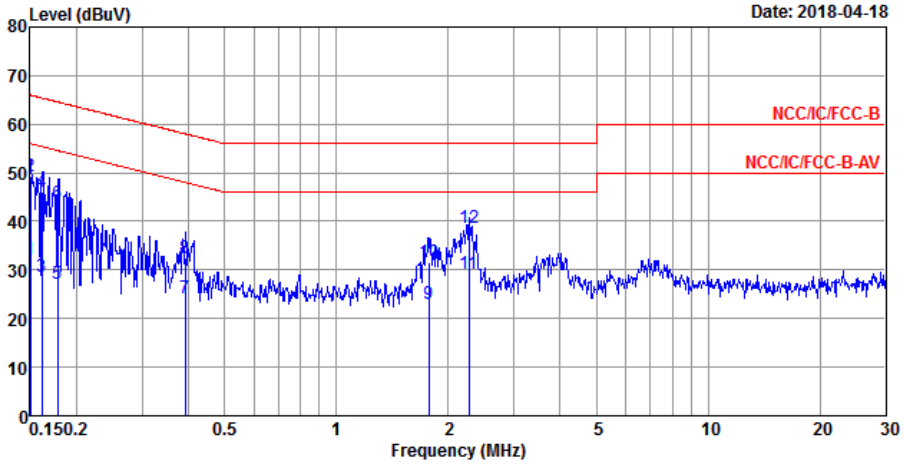
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	31/Oct/2017	30/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	01/Nov/2017	31/Oct/2018
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	19/Apr/2017	18/Apr/2018
Amplifier	Keysight	83017A	MY53270196	1GHz ~ 26.5GHz	31/Aug/2017	30/Aug/2018
Spectrum	R&S	FSV40	101500	9kHz ~ 40GHz	28/Jun/2017	27/Jun/2018
Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	26/Jan/2018	25/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX106	CB222	1GHz ~ 40GHz	26/Jan/2018	25/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	22237	30MHz ~ 1GHz	08/Jul/2017	07/Jul/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	09/Feb/ 2018	08/Feb/2019
Horn Antenna	AAROIA AG	POWERLOG 70180	05192	1GHz ~ 18GHz	14/Mar/ 2018	13/Mar/ 2019
Amplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2017	23/Aug/2018
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	16/Mar/2018	15/Mar/2019

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

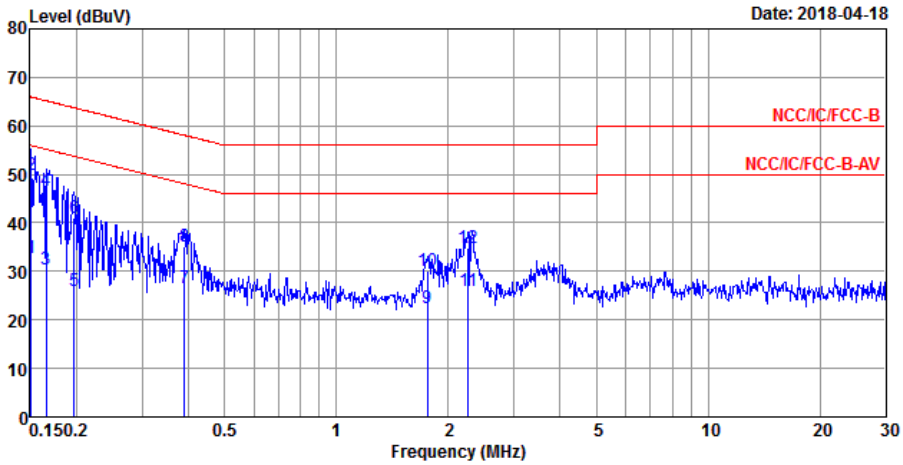
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	32.22	-23.78	56.00	22.55	9.63	0.04	Average
2	0.15	49.15	-16.85	66.00	39.48	9.63	0.04	QP
3	0.16	28.66	-26.72	55.38	19.00	9.63	0.03	Average
4	0.16	46.03	-19.35	65.38	36.37	9.63	0.03	QP
5	0.18	27.04	-27.55	54.59	17.40	9.62	0.02	Average
6	0.18	43.68	-20.91	64.59	34.04	9.62	0.02	QP
7	0.39	24.25	-23.78	48.03	14.54	9.61	0.10	Average
8	0.39	32.60	-25.43	58.03	22.89	9.61	0.10	QP
9	1.77	23.04	-22.96	46.00	13.41	9.63	0.00	Average
10	1.77	31.61	-24.39	56.00	21.98	9.63	0.00	QP
11 MAX	2.27	29.32	-16.68	46.00	19.67	9.63	0.02	Average
12	2.27	38.68	-17.32	56.00	29.03	9.63	0.02	QP

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	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	32.63	-23.33	55.96	22.97	9.62	0.04	Average
2 MAX	0.15	49.83	-16.13	65.96	40.17	9.62	0.04	QP
3	0.17	30.41	-24.75	55.16	20.76	9.62	0.03	Average
4	0.17	46.53	-18.63	65.16	36.88	9.62	0.03	QP
5	0.20	26.12	-27.64	53.76	16.50	9.62	0.00	Average
6	0.20	41.12	-22.64	63.76	31.50	9.62	0.00	QP
7	0.39	26.62	-21.46	48.08	16.91	9.61	0.10	Average
8	0.39	35.22	-22.86	58.08	25.51	9.61	0.10	QP
9	1.75	22.53	-23.47	46.00	12.91	9.62	0.00	Average
10	1.75	30.04	-25.96	56.00	20.42	9.62	0.00	QP
11	2.26	25.85	-20.15	46.00	16.21	9.62	0.02	Average
12	2.26	34.78	-21.22	56.00	25.14	9.62	0.02	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.55M	14.443M	14M4G1D	8.575M	14.118M
802.11g_Nss1,(6Mbps)_2TX	15.1M	16.342M	16M3D1D	15.075M	16.242M
802.11n HT20_Nss1,(MCS0)_2TX	15.1M	17.491M	17M5D1D	15.1M	17.416M
802.11n HT40_Nss1,(MCS0)_2TX	35.05M	35.882M	35M9D1D	35.05M	35.782M

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

Result

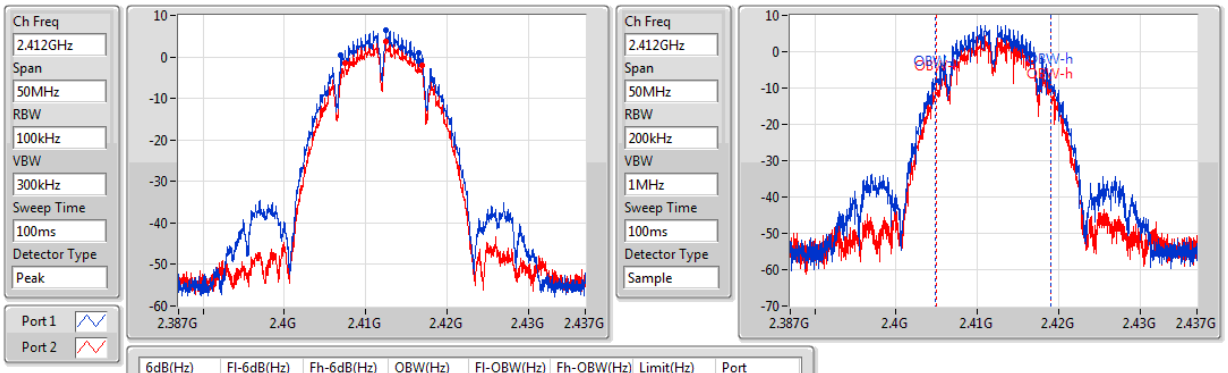
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	9.525M	14.268M	9.525M	14.143M
2437MHz	Pass	500k	9.075M	14.443M	9.025M	14.118M
2462MHz	Pass	500k	9.55M	14.318M	8.575M	14.168M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.075M	16.242M	15.1M	16.342M
2437MHz	Pass	500k	15.075M	16.292M	15.1M	16.342M
2462MHz	Pass	500k	15.1M	16.292M	15.1M	16.292M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.1M	17.416M	15.1M	17.491M
2437MHz	Pass	500k	15.1M	17.416M	15.1M	17.466M
2462MHz	Pass	500k	15.1M	17.416M	15.1M	17.491M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.05M	35.832M	35.05M	35.782M
2437MHz	Pass	500k	35.05M	35.832M	35.05M	35.832M
2452MHz	Pass	500k	35.05M	35.832M	35.05M	35.882M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

19/03/2018

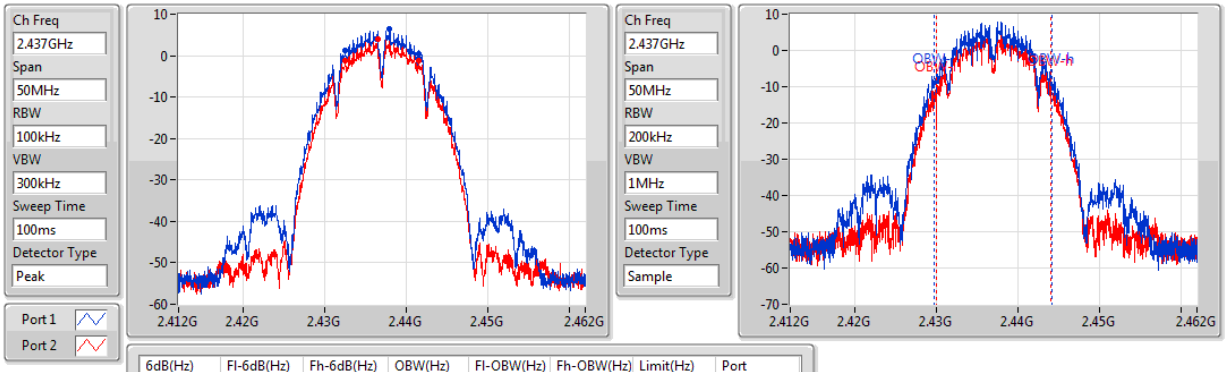


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.525M	2.406975G	2.4165G	14.268M	2.404829G	2.419096G	500k	1
9.525M	2.40745G	2.416975G	14.143M	2.404904G	2.419046G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

19/03/2018

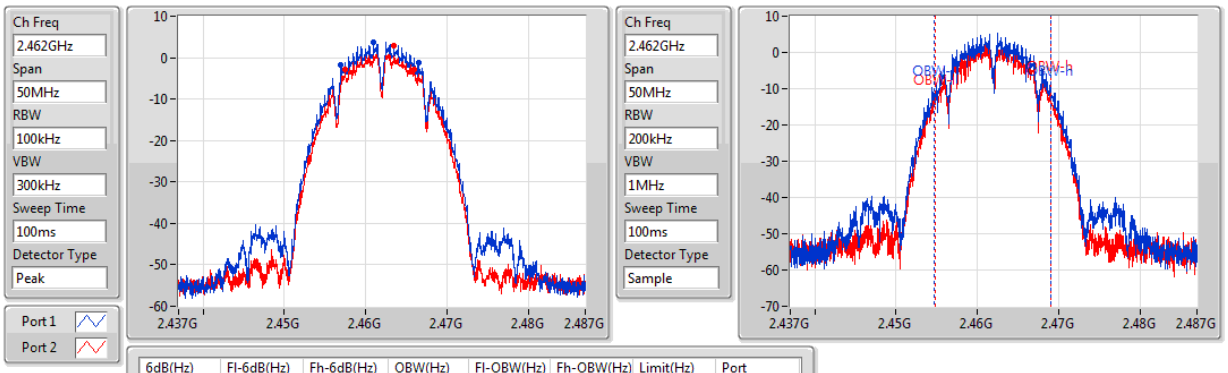


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.075M	2.43245G	2.441525G	14.443M	2.429679G	2.444121G	500k	1
9.025M	2.432475G	2.4415G	14.118M	2.429929G	2.444046G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

19/03/2018

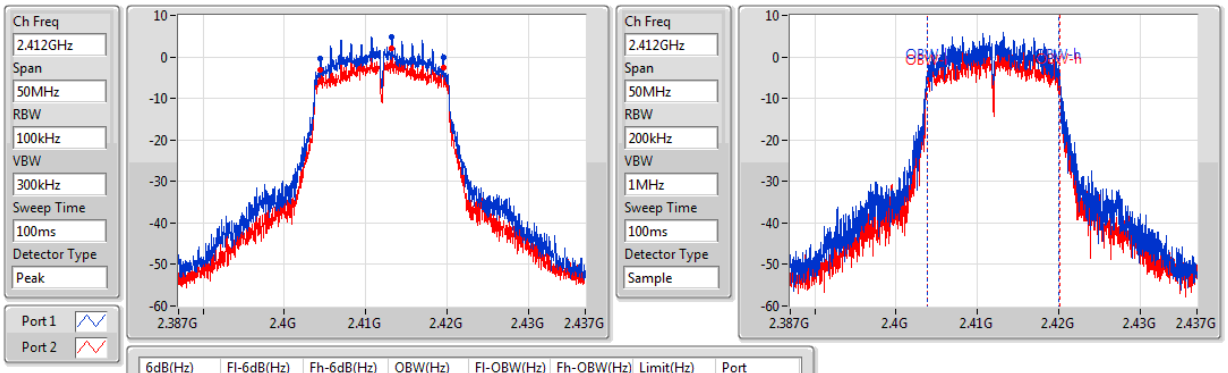


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.55M	2.456975G	2.466525G	14.318M	2.454754G	2.469071G	500k	1
8.575M	2.45745G	2.466025G	14.168M	2.454829G	2.468997G	500k	2

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

2412MHz

19/03/2018

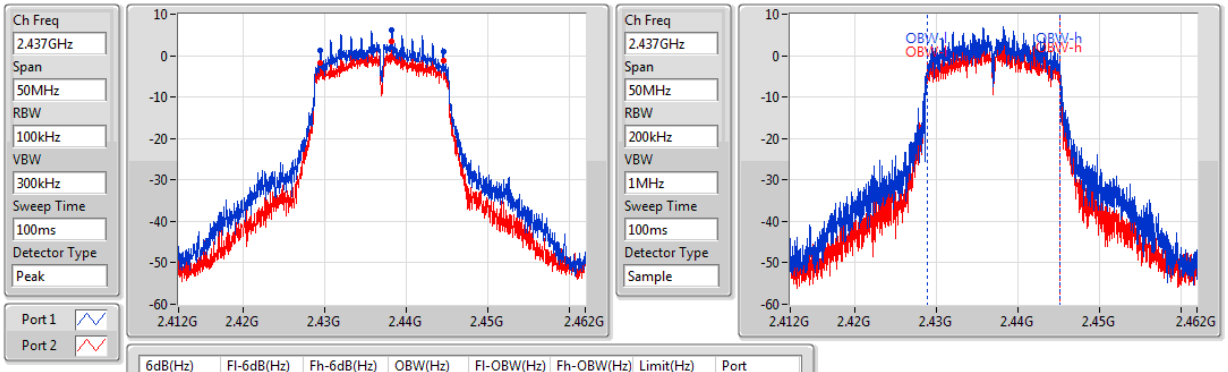


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.40445G	2.419525G	16.242M	2.403829G	2.420071G	500k	1
15.1M	2.404425G	2.419525G	16.342M	2.403804G	2.420146G	500k	2

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

2437MHz

19/03/2018

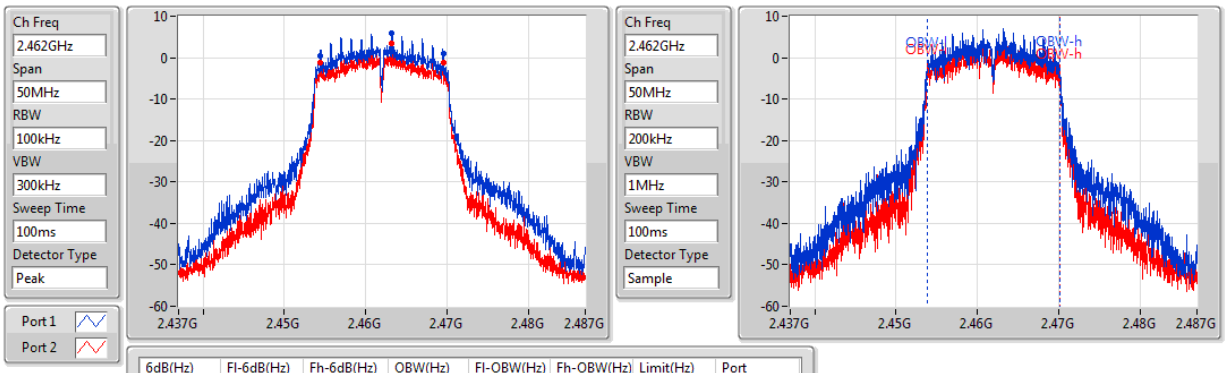


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.42945G	2.444525G	16.292M	2.428829G	2.445121G	500k	1
15.1M	2.429425G	2.444525G	16.342M	2.428804G	2.445146G	500k	2

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

2462MHz

19/03/2018

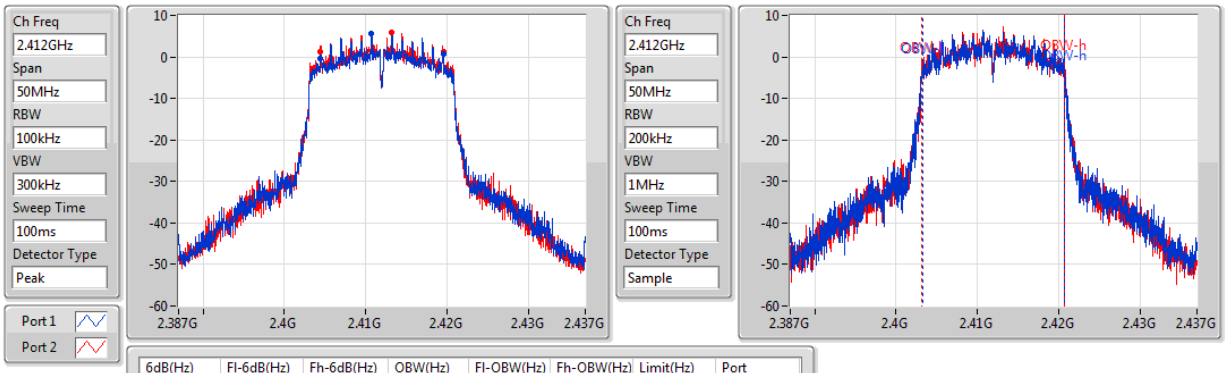


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.454425G	2.469525G	16.292M	2.453804G	2.470096G	500k	1
15.1M	2.454425G	2.469525G	16.292M	2.453804G	2.470096G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

19/03/2018

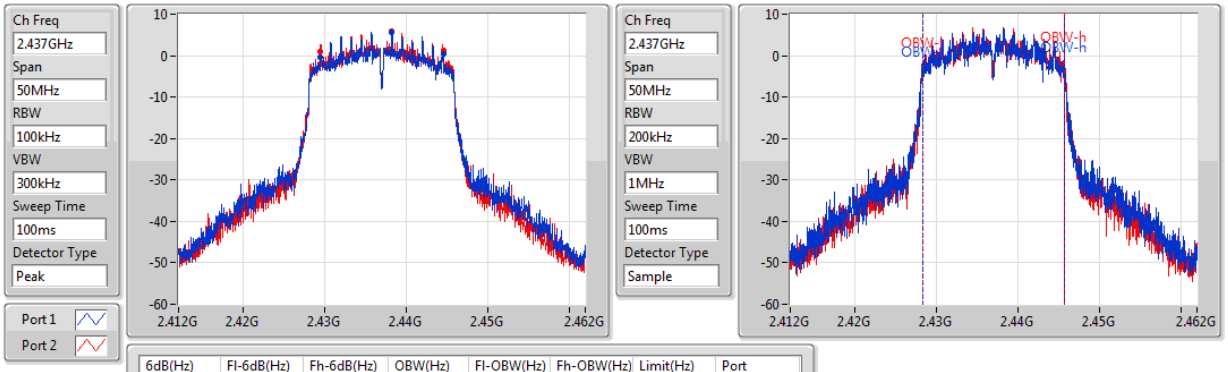


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.404425G	2.419525G	17.416M	2.403229G	2.420646G	500k	1
15.1M	2.404425G	2.419525G	17.491M	2.403204G	2.420696G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

19/03/2018

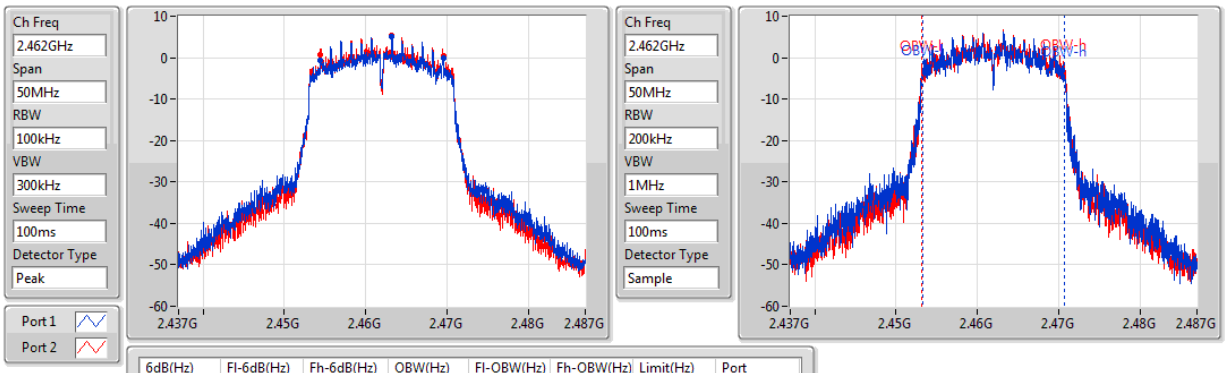


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.429425G	2.444525G	17.416M	2.428254G	2.445671G	500k	1
15.1M	2.429425G	2.444525G	17.466M	2.428229G	2.445696G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

19/03/2018

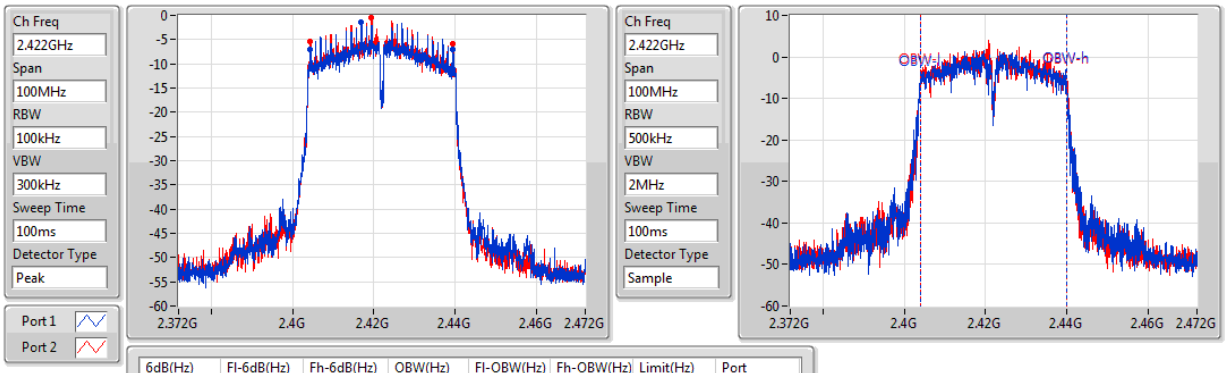


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.454425G	2.469525G	17.416M	2.453254G	2.470671G	500k	1
15.1M	2.454425G	2.469525G	17.491M	2.453204G	2.470696G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2422MHz

19/03/2018

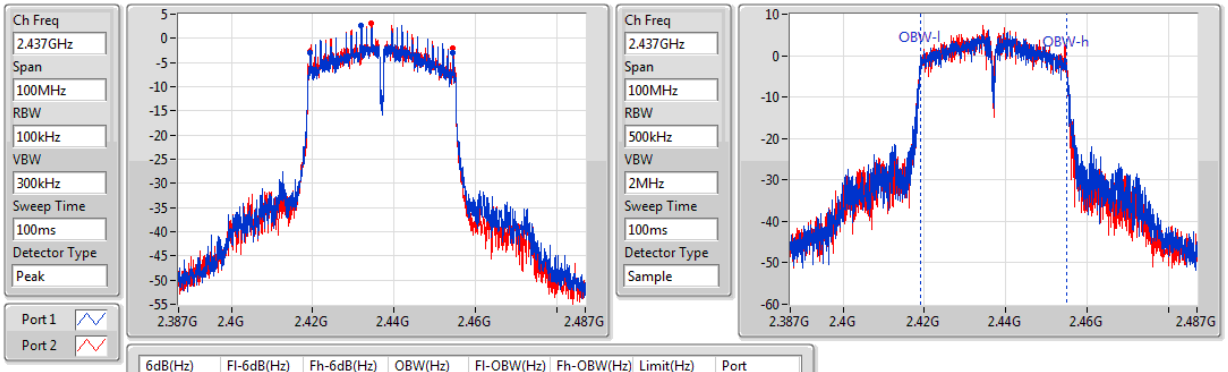


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.40445G	2.4395G	35.832M	2.404009G	2.439841G	500k	1
35.05M	2.40445G	2.4395G	35.782M	2.404059G	2.439841G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2437MHz

19/03/2018

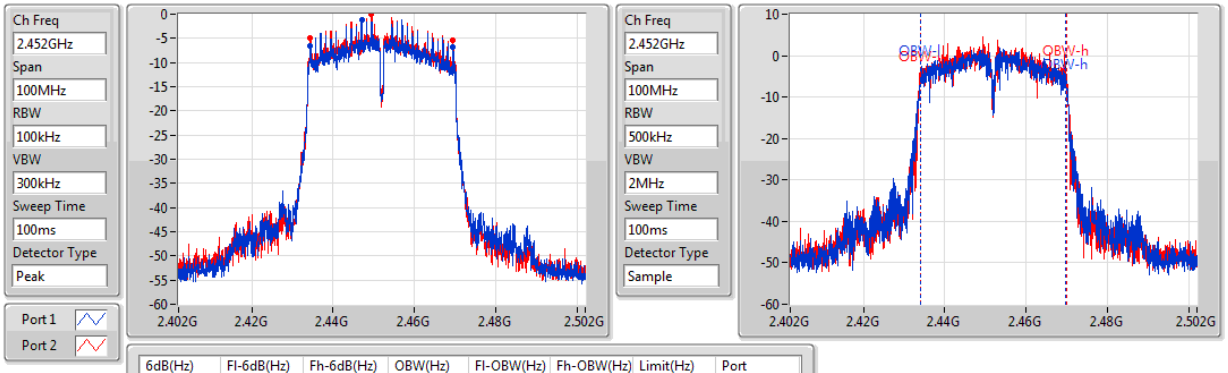


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.41945G	2.4545G	35.832M	2.419009G	2.454841G	500k	1
35.05M	2.41945G	2.4545G	35.832M	2.419009G	2.454841G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz

19/03/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.43445G	2.4695G	35.832M	2.433959G	2.469791G	500k	1
35.05M	2.43445G	2.4695G	35.882M	2.434009G	2.469891G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	18.58	0.07211
802.11g_Nss1,(6Mbps)_2TX	16.85	0.04842
802.11n HT20_Nss1,(MCS0)_2TX	17.67	0.05848
802.11n HT40_Nss1,(MCS0)_2TX	16.54	0.04508

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	16.38	13.77	18.28	30.00
2437MHz	Pass	2.40	16.57	14.27	18.58	30.00
2457MHz	Pass	2.40	16.43	14.45	18.56	30.00
2462MHz	Pass	2.40	13.92	12.06	16.10	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	13.73	10.87	15.54	30.00
2417MHz	Pass	2.40	14.28	11.53	16.13	30.00
2422MHz	Pass	2.40	14.72	12.12	16.62	30.00
2437MHz	Pass	2.40	14.91	12.41	16.85	30.00
2462MHz	Pass	2.40	14.78	12.51	16.80	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	14.18	14.65	17.43	30.00
2437MHz	Pass	2.40	14.47	14.85	17.67	30.00
2457MHz	Pass	2.40	14.31	14.80	17.57	30.00
2462MHz	Pass	2.40	13.81	14.35	17.10	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.40	9.44	9.83	12.65	30.00
2427MHz	Pass	2.40	9.39	9.97	12.70	30.00
2432MHz	Pass	2.40	12.91	13.17	16.05	30.00
2437MHz	Pass	2.40	13.40	13.66	16.54	30.00
2442MHz	Pass	2.40	13.18	13.63	16.42	30.00
2447MHz	Pass	2.40	11.89	12.35	15.14	30.00
2452MHz	Pass	2.40	9.67	10.52	13.13	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	-5.84
802.11g_Nss1,(6Mbps)_2TX	-11.81
802.11n HT20_Nss1,(MCS0)_2TX	-8.87
802.11n HT40_Nss1,(MCS0)_2TX	-12.85

RBW=3kHz.

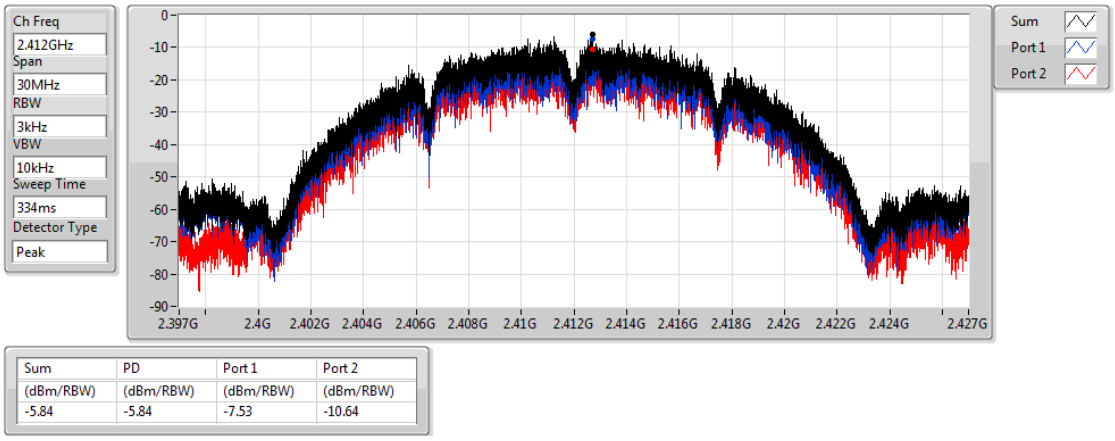
Result

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	5.41	-7.53	-10.64	-5.84	8.00
2437MHz	Pass	5.41	-7.43	-10.28	-6.22	8.00
2462MHz	Pass	5.41	-8.02	-7.44	-7.03	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.41	-13.91	-15.43	-12.40	8.00
2437MHz	Pass	5.41	-12.63	-15.11	-11.81	8.00
2462MHz	Pass	5.41	-13.71	-14.97	-12.46	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.41	-11.13	-11.48	-8.87	8.00
2437MHz	Pass	5.41	-12.13	-10.60	-10.12	8.00
2462MHz	Pass	5.41	-12.61	-11.34	-10.07	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.41	-18.51	-19.35	-16.91	8.00
2437MHz	Pass	5.41	-13.83	-15.15	-12.85	8.00
2452MHz	Pass	5.41	-17.95	-19.89	-16.60	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 X power density;

802.11b_Nss1,(1Mbps)_2TX PSD

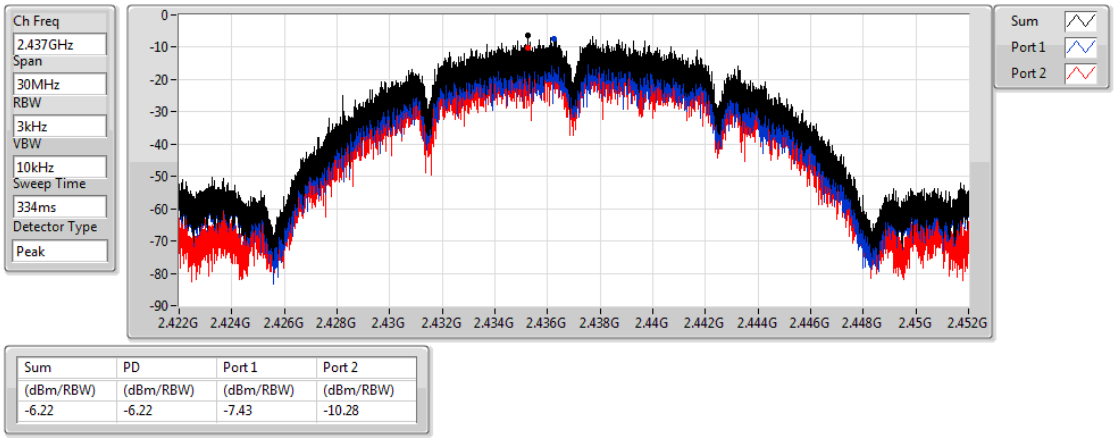
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.84	-5.84	-7.53	-10.64

802.11b_Nss1,(1Mbps)_2TX PSD

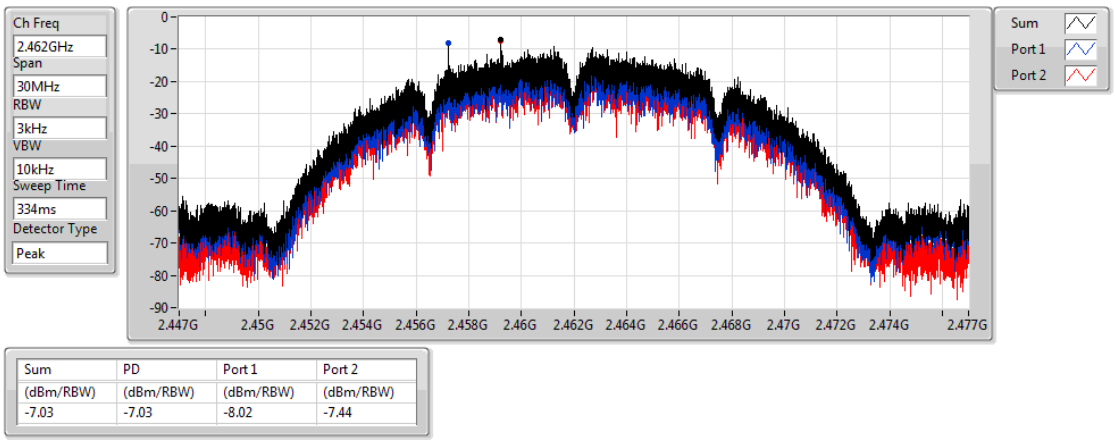
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.22	-6.22	-7.43	-10.28

802.11b_Nss1,(1Mbps)_2TX PSD

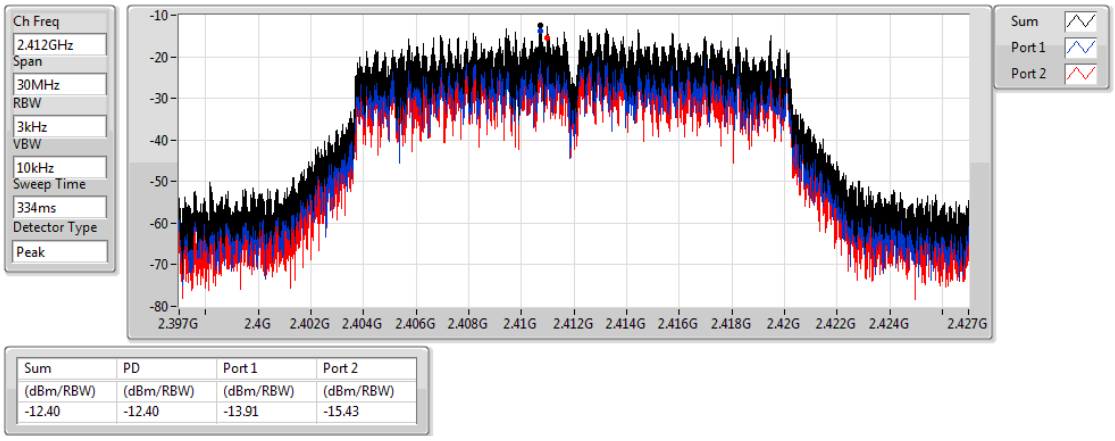
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.03	-7.03	-8.02	-7.44

802.11g_Nss1,(6Mbps)_2TX PSD

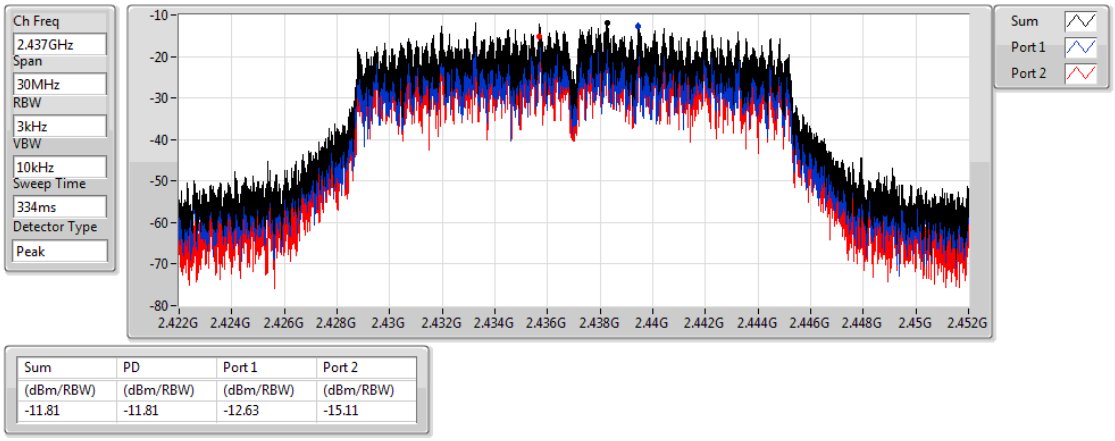
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.40	-12.40	-13.91	-15.43

802.11g_Nss1,(6Mbps)_2TX PSD

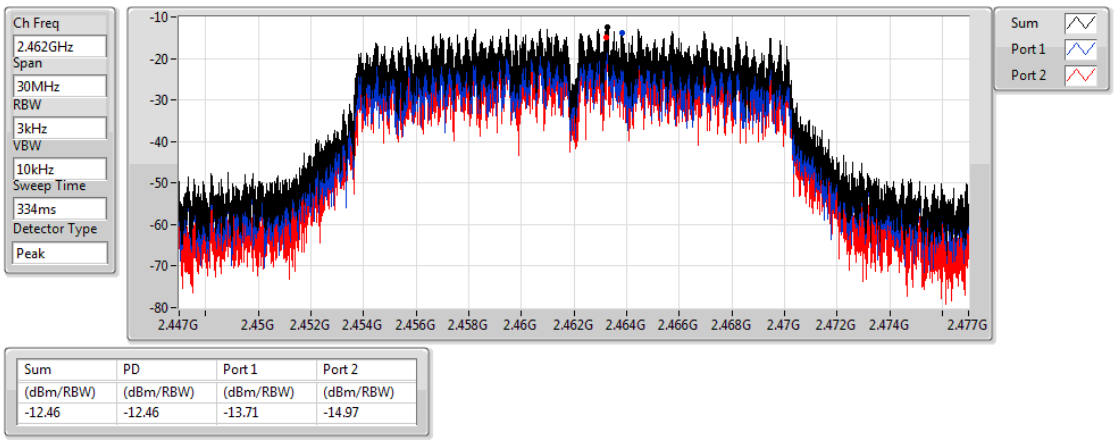
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.81	-11.81	-12.63	-15.11

802.11g_Nss1,(6Mbps)_2TX PSD

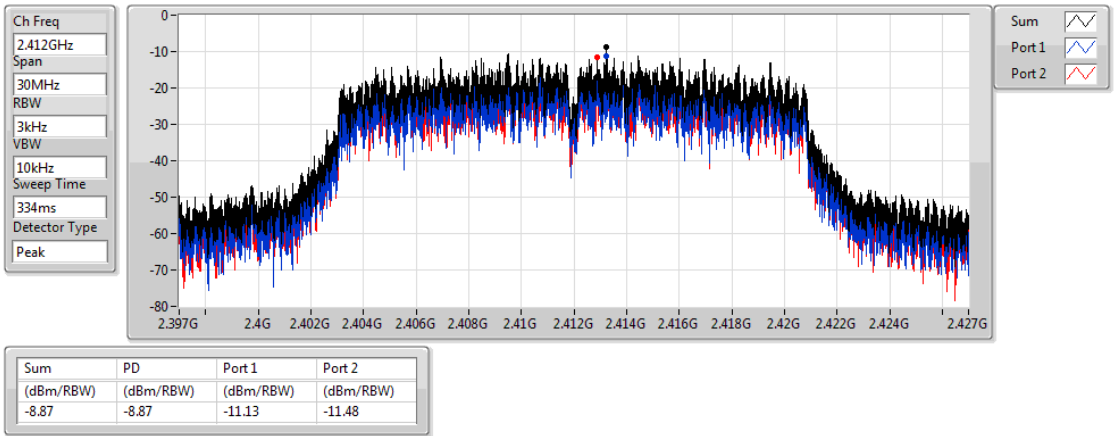
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.46	-12.46	-13.71	-14.97

802.11n HT20_Nss1,(MCS0)_2TX PSD

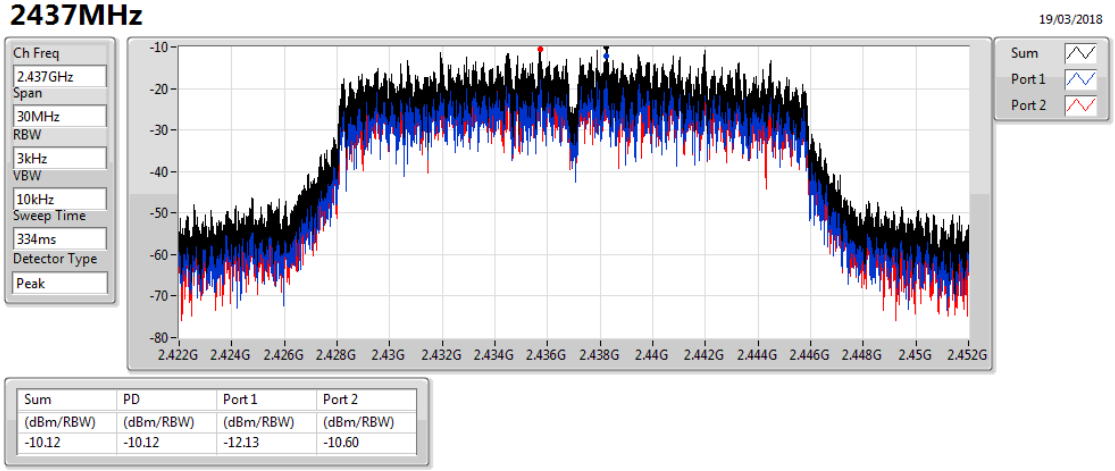
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.87	-8.87	-11.13	-11.48

802.11n HT20_Nss1,(MCS0)_2TX PSD

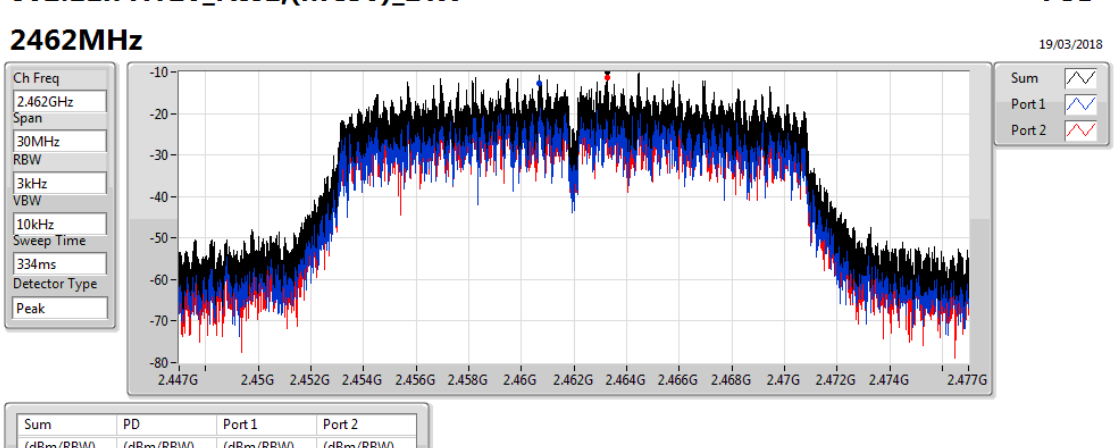
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.12	-10.12	-12.13	-10.60

802.11n HT20_Nss1,(MCS0)_2TX PSD

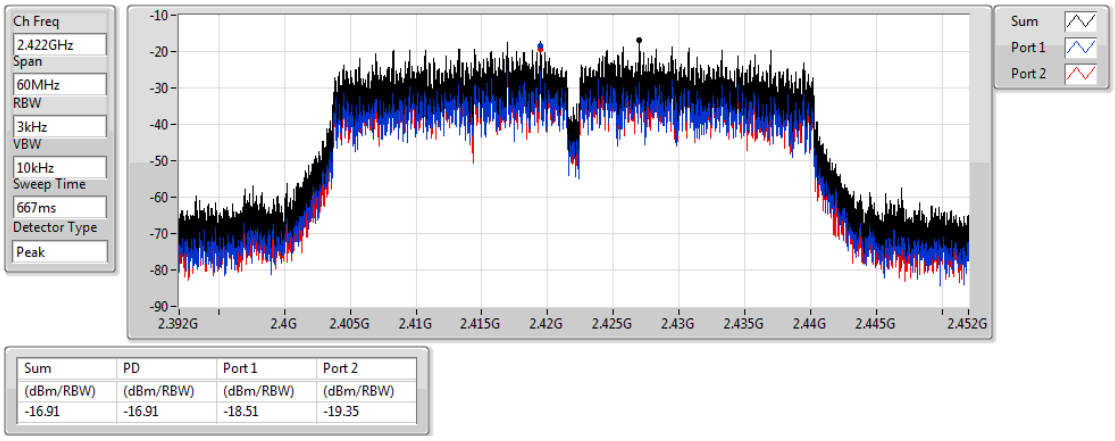
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.07	-10.07	-12.61	-11.34

802.11n HT40_Nss1,(MCS0)_2TX PSD

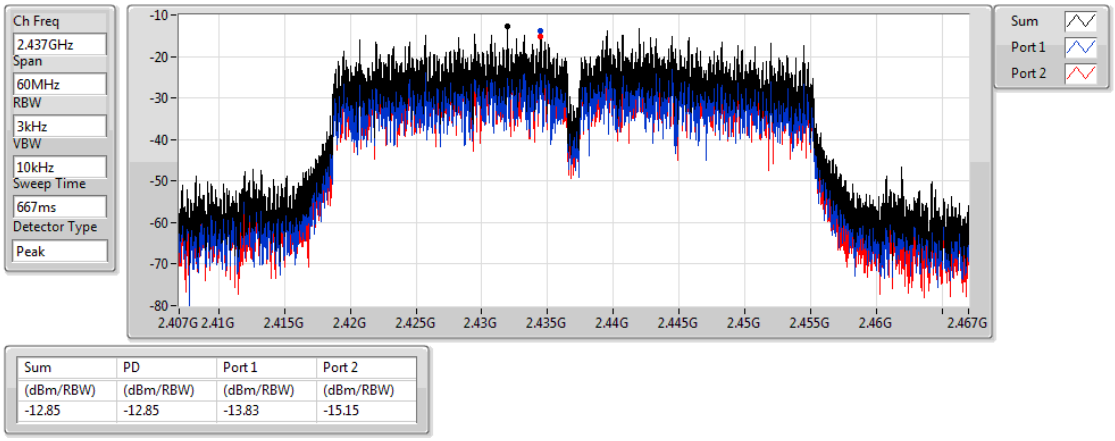
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.91	-16.91	-18.51	-19.35

802.11n HT40_Nss1,(MCS0)_2TX PSD

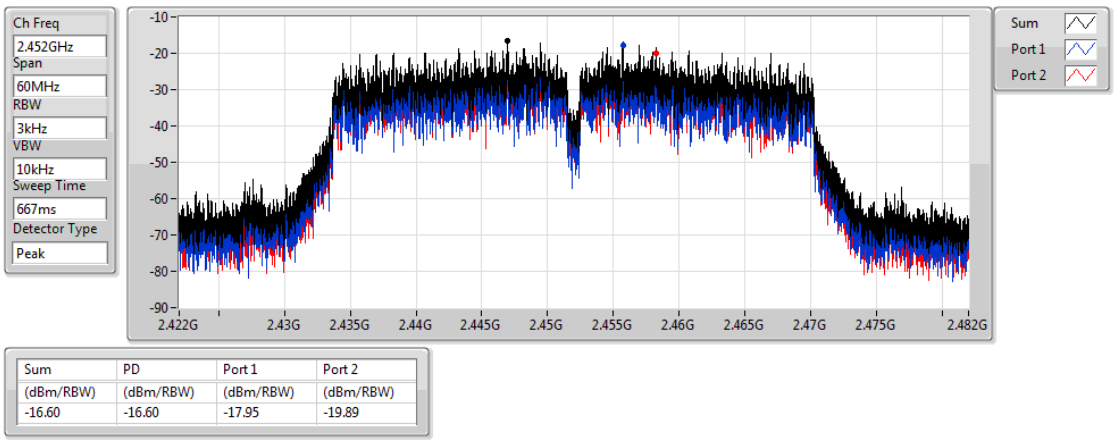
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.85	-12.85	-13.83	-15.15

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.60	-16.60	-17.95	-19.89

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	6.17	-23.83	147.665M	-38.58	2.39696G	-35.33	2.4915G	-52.20	7.237946G	-53.20	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.438243G	6.03	-23.97	147.665M	-38.76	2.39704G	-32.85	2.48942G	-49.39	15.343534G	-51.64	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.435738G	5.22	-24.78	147.665M	-38.46	2.39976G	-27.87	2.49318G	-52.89	24.623519G	-52.94	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.434402G	2.98	-27.02	146.79M	-38.27	2.39984G	-37.69	2.48446G	-47.80	15.341087G	-52.36	2

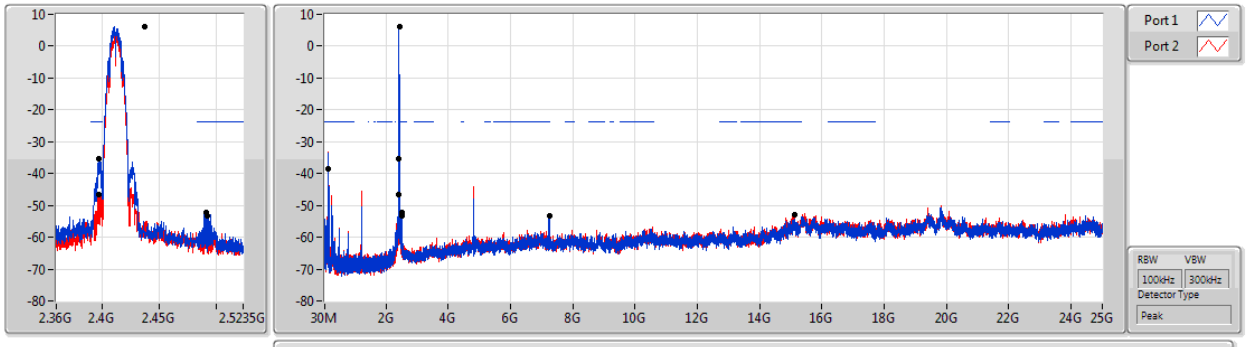
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.437408G	6.17	-23.83	147.665M	-38.58	2.39696G	-35.33	2.4915G	-52.20	7.237946G	-53.20	1
2412MHz	Pass	2.437408G	6.17	-23.83	147.665M	-38.41	2.39696G	-46.43	2.49246G	-53.32	15.10753G	-52.76	2
2437MHz	Pass	2.437408G	6.17	-23.83	147.665M	-38.40	2.39352G	-52.11	2.51646G	-51.75	15.349153G	-53.10	1
2437MHz	Pass	2.437408G	6.17	-23.83	147.665M	-38.44	2.39648G	-57.09	2.51662G	-55.06	24.443707G	-53.13	2
2462MHz	Pass	2.437408G	6.17	-23.83	147.665M	-38.64	2.39504G	-58.95	2.49982G	-57.91	16.242594G	-53.16	1
2462MHz	Pass	2.437408G	6.17	-23.83	147.665M	-38.63	2.39456G	-59.96	2.48502G	-59.32	14.989529G	-53.20	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	6.03	-23.97	147.665M	-38.76	2.39704G	-32.85	2.48942G	-49.39	15.343534G	-51.64	1
2412MHz	Pass	2.438243G	6.03	-23.97	147.665M	-38.61	2.398G	-36.07	2.48822G	-53.55	24.519565G	-53.62	2
2437MHz	Pass	2.438243G	6.03	-23.97	147.665M	-38.64	2.39456G	-47.06	2.52326G	-49.41	24.671281G	-52.96	1
2437MHz	Pass	2.438243G	6.03	-23.97	147.665M	-38.36	2.39952G	-50.76	2.5195G	-52.66	15.340724G	-52.27	2
2462MHz	Pass	2.438243G	6.03	-23.97	147.665M	-38.94	2.39328G	-49.15	2.48358G	-47.55	2.537548G	-51.90	1
2462MHz	Pass	2.438243G	6.03	-23.97	147.665M	-38.62	2.39448G	-54.27	2.48502G	-51.79	15.099102G	-53.27	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.435738G	5.22	-24.78	147.665M	-38.76	2.39912G	-29.30	2.49446G	-46.27	15.076625G	-52.36	1
2412MHz	Pass	2.435738G	5.22	-24.78	147.665M	-38.46	2.39976G	-27.87	2.49318G	-52.89	24.623519G	-52.94	2
2437MHz	Pass	2.435738G	5.22	-24.78	147.665M	-38.49	2.392G	-48.26	2.50326G	-47.45	21.524571G	-53.92	1
2437MHz	Pass	2.435738G	5.22	-24.78	147.665M	-38.23	2.3996G	-50.09	2.52198G	-49.83	15.332295G	-52.15	2
2462MHz	Pass	2.435738G	5.22	-24.78	147.665M	-38.55	2.39832G	-49.96	2.4847G	-47.28	15.082244G	-53.54	1
2462MHz	Pass	2.435738G	5.22	-24.78	147.665M	-38.53	2.39328G	-50.12	2.48478G	-49.24	15.318248G	-53.23	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.434402G	2.98	-27.02	146.79M	-38.93	2.39776G	-38.37	2.48446G	-55.23	15.111113G	-53.11	1
2422MHz	Pass	2.434402G	2.98	-27.02	146.79M	-38.65	2.39776G	-40.54	2.49326G	-54.92	15.31865G	-53.08	2
2437MHz	Pass	2.434402G	2.98	-27.02	146.79M	-38.44	2.39952G	-39.72	2.50814G	-49.12	15.080262G	-53.29	1
2437MHz	Pass	2.434402G	2.98	-27.02	146.79M	-38.27	2.39984G	-37.69	2.48446G	-47.80	15.341087G	-52.36	2
2452MHz	Pass	2.434402G	2.98	-27.02	146.79M	-38.99	2.39696G	-52.24	2.48414G	-44.29	15.102699G	-53.39	1
2452MHz	Pass	2.434402G	2.98	-27.02	146.79M	-38.52	2.39088G	-50.98	2.48462G	-47.06	24.685889G	-52.79	2

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

2412MHz

19/03/2018

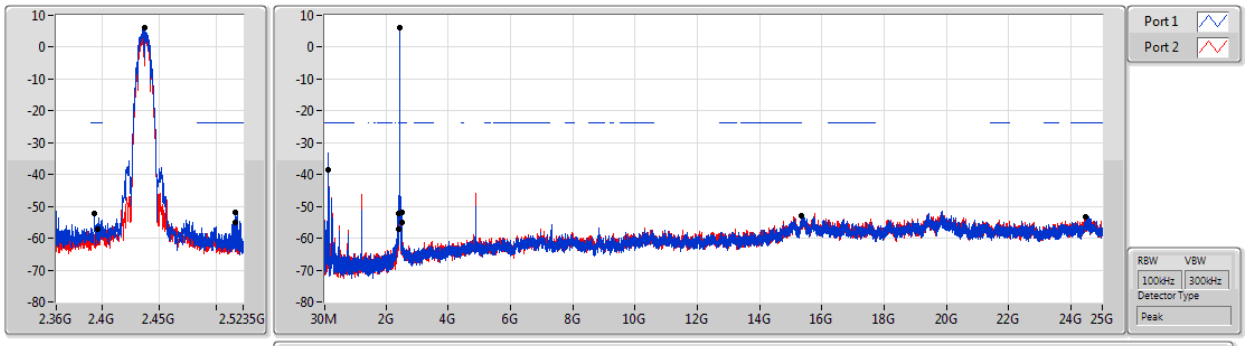


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	6.17	-23.83	147.665M	-38.58	2.39696G	-35.33	2.4915G	-52.20	7.237946G	-53.20	1
2.437408G	6.17	-23.83	147.665M	-38.41	2.39696G	-46.43	2.49246G	-53.32	15.10753G	-52.76	2

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

2437MHz

19/03/2018

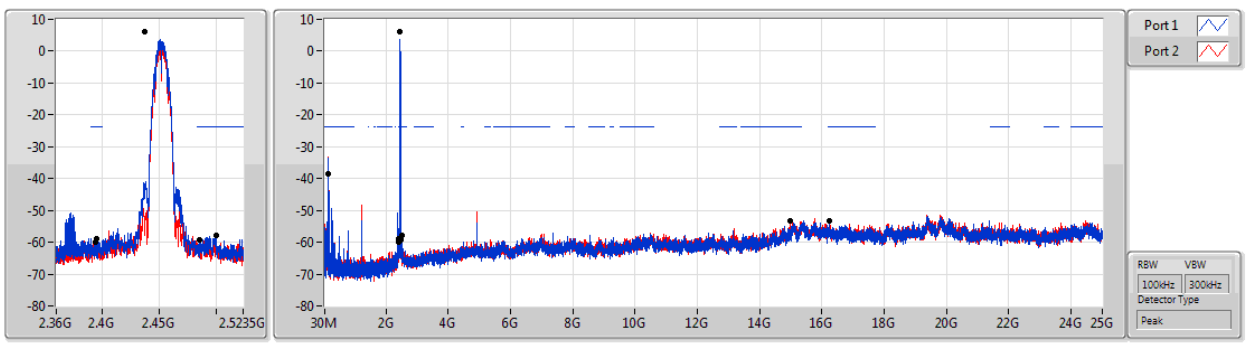


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	6.17	-23.83	147.665M	-38.40	2.39352G	-52.11	2.51646G	-51.75	15.349153G	-53.10	1
2.437408G	6.17	-23.83	147.665M	-38.44	2.39648G	-57.09	2.51662G	-55.06	24.443707G	-53.13	2

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

2462MHz

19/03/2018

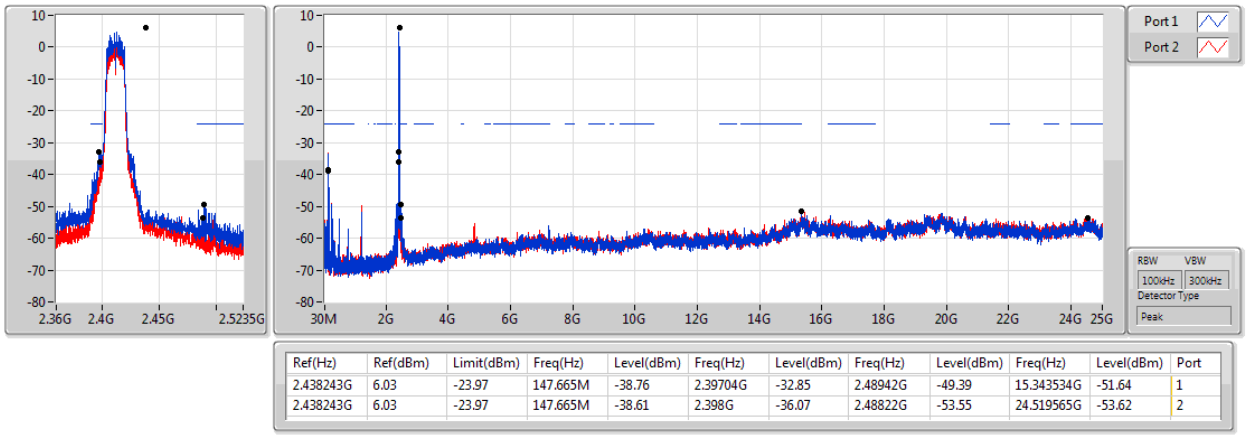


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	6.17	-23.83	147.665M	-38.64	2.39504G	-58.95	2.49982G	-57.91	16.242594G	-53.16	1
2.437408G	6.17	-23.83	147.665M	-38.63	2.39456G	-59.96	2.48502G	-59.32	14.989529G	-53.20	2

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

2412MHz

19/03/2018

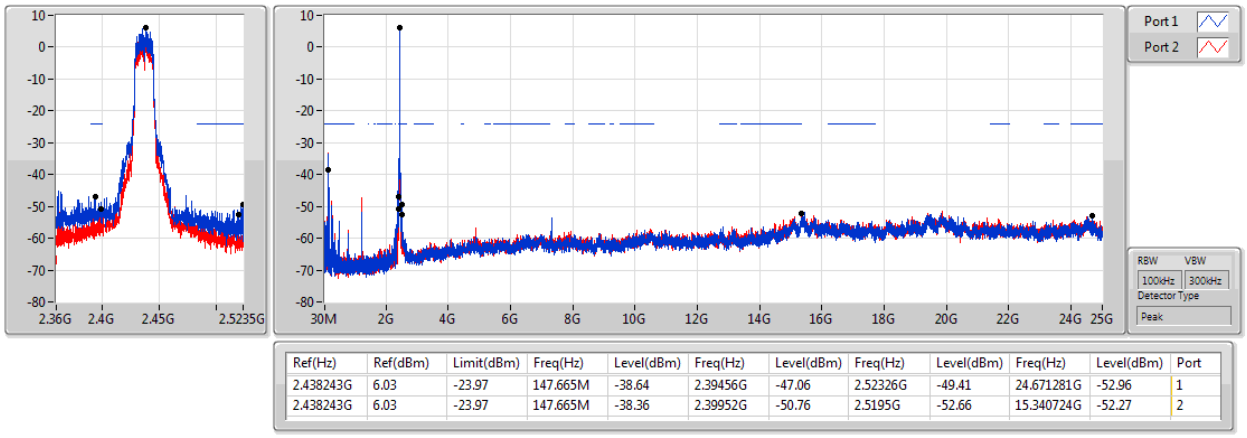


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	6.03	-23.97	147.665M	-38.76	2.39704G	-32.85	2.48942G	-49.39	15.343534G	-51.64	1
2.438243G	6.03	-23.97	147.665M	-38.61	2.398G	-36.07	2.48822G	-53.55	24.519565G	-53.62	2

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

2437MHz

19/03/2018

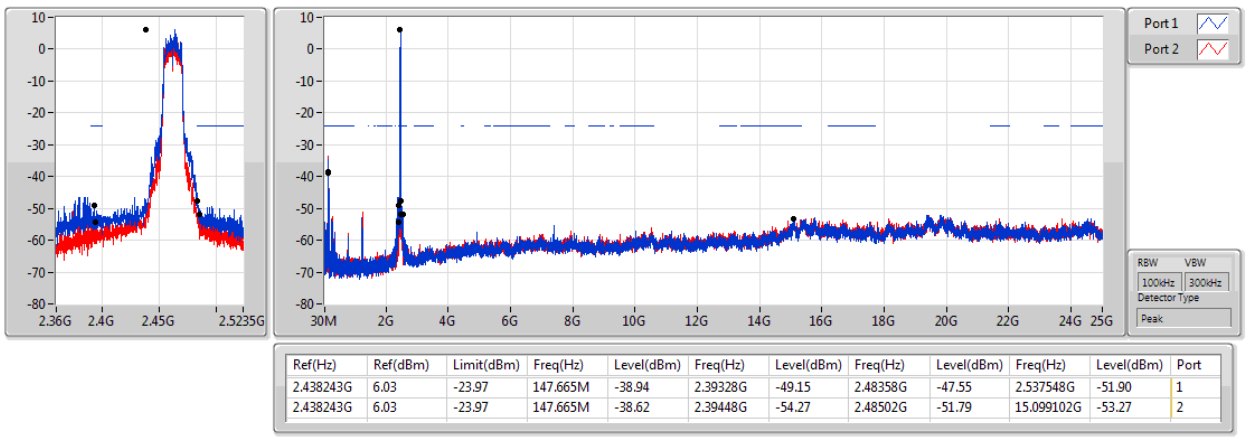


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	6.03	-23.97	147.665M	-38.64	2.39456G	-47.06	2.52326G	-49.41	24.671281G	-52.96	1
2.438243G	6.03	-23.97	147.665M	-38.36	2.39952G	-50.76	2.5195G	-52.66	15.340724G	-52.27	2

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

2462MHz

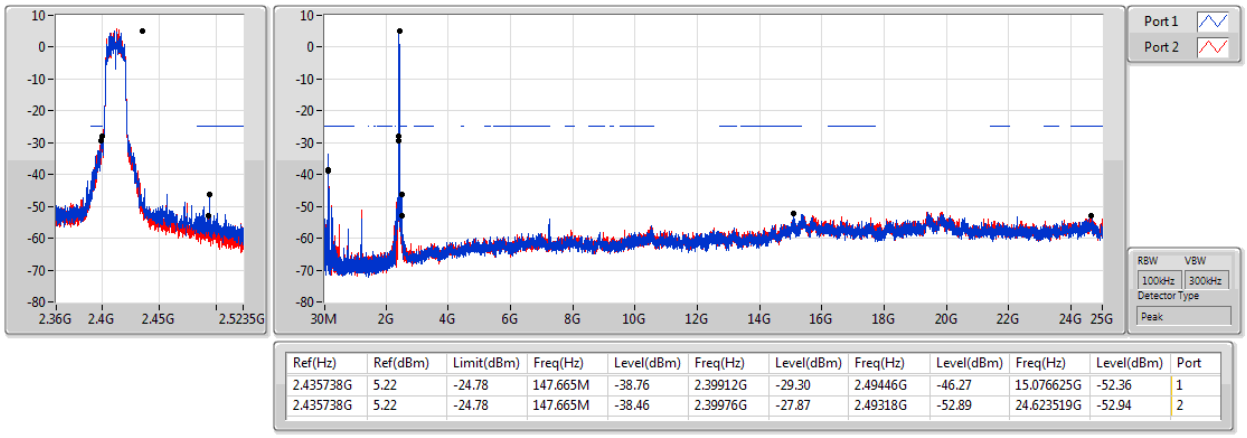
19/03/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	6.03	-23.97	147.665M	-38.94	2.39328G	-49.15	2.48358G	-47.55	2.537548G	-51.90	1
2.438243G	6.03	-23.97	147.665M	-38.62	2.39448G	-54.27	2.48502G	-51.79	15.099102G	-53.27	2

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

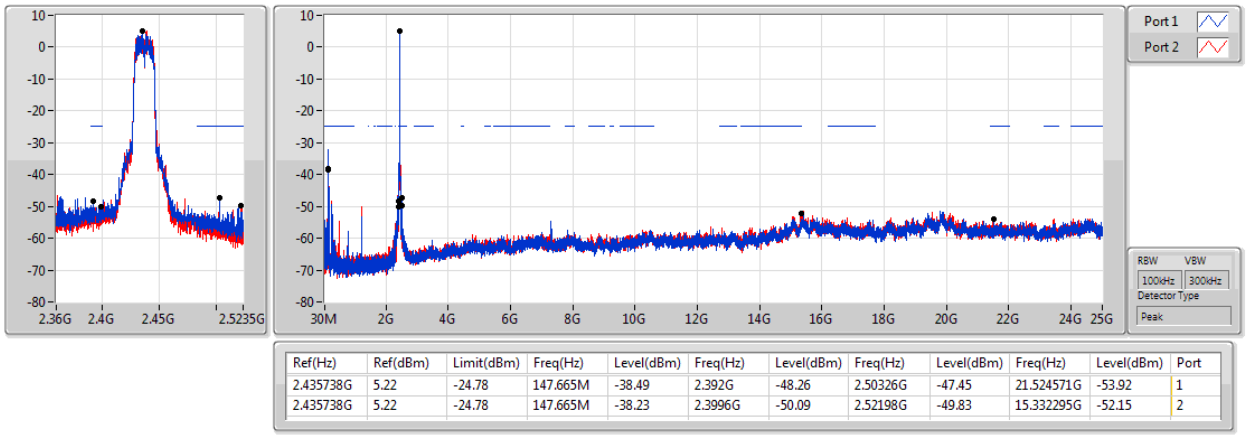
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	5.22	-24.78	147.665M	-38.76	2.39912G	-29.30	2.49446G	-46.27	15.076625G	-52.36	1
2.435738G	5.22	-24.78	147.665M	-38.46	2.39976G	-27.87	2.49318G	-52.89	24.623519G	-52.94	2

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

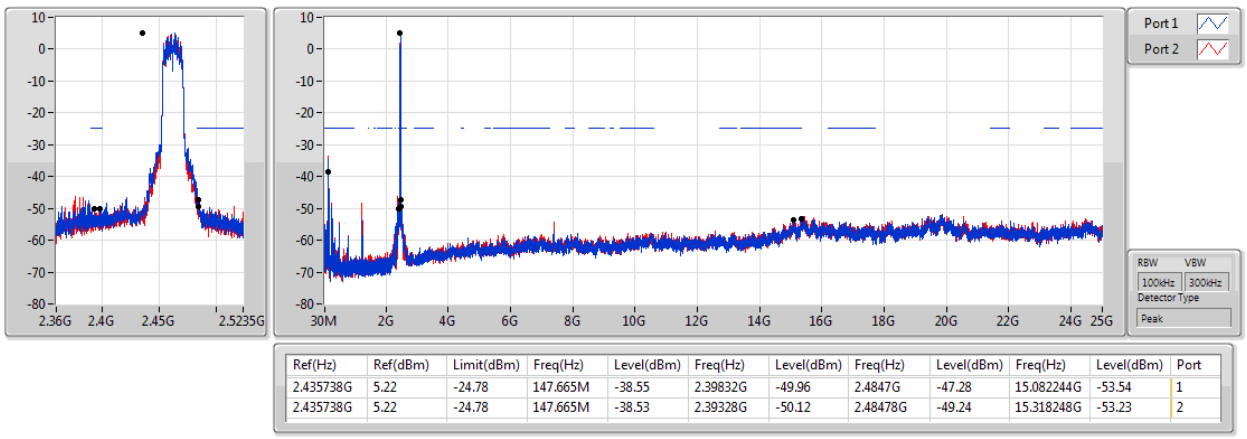
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	5.22	-24.78	147.665M	-38.49	2.392G	-48.26	2.50326G	-47.45	21.524571G	-53.92	1
2.435738G	5.22	-24.78	147.665M	-38.23	2.3996G	-50.09	2.52198G	-49.83	15.332295G	-52.15	2

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

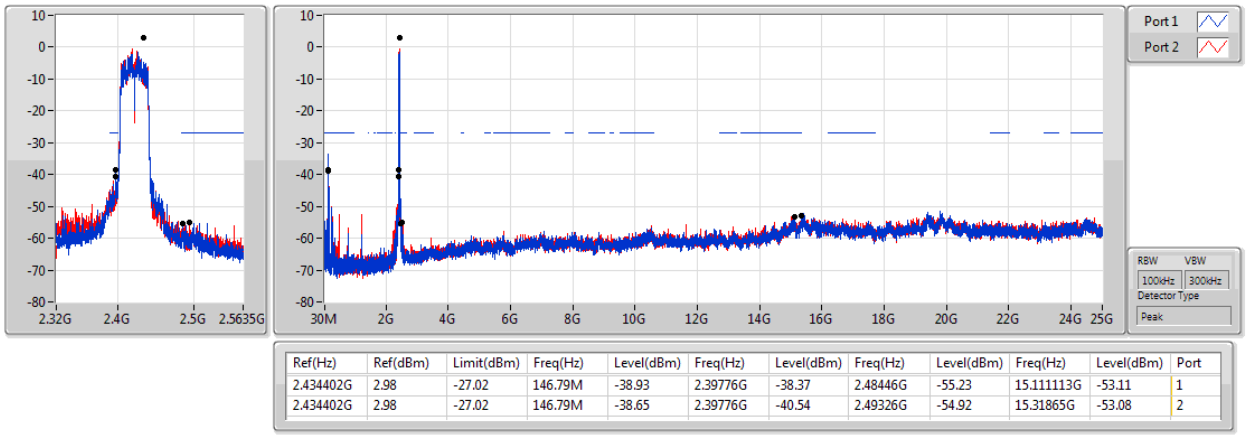
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	5.22	-24.78	147.665M	-38.55	2.39832G	-49.96	2.4847G	-47.28	15.082244G	-53.54	1
2.435738G	5.22	-24.78	147.665M	-38.53	2.39328G	-50.12	2.48478G	-49.24	15.318248G	-53.23	2

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

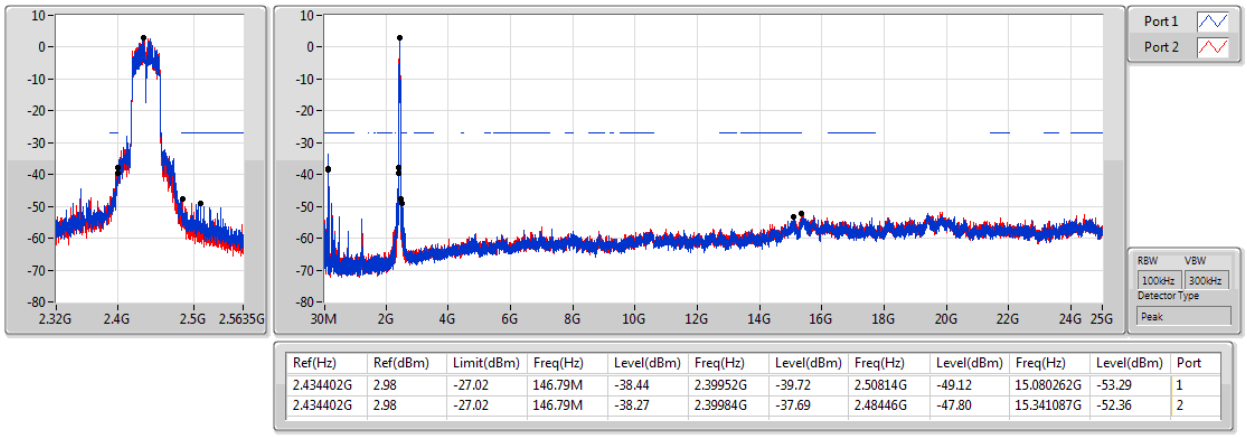
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	2.98	-27.02	146.79M	-38.93	2.39776G	-38.37	2.48446G	-55.23	15.111113G	-53.11	1
2.434402G	2.98	-27.02	146.79M	-38.65	2.39776G	-40.54	2.49326G	-54.92	15.31865G	-53.08	2

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

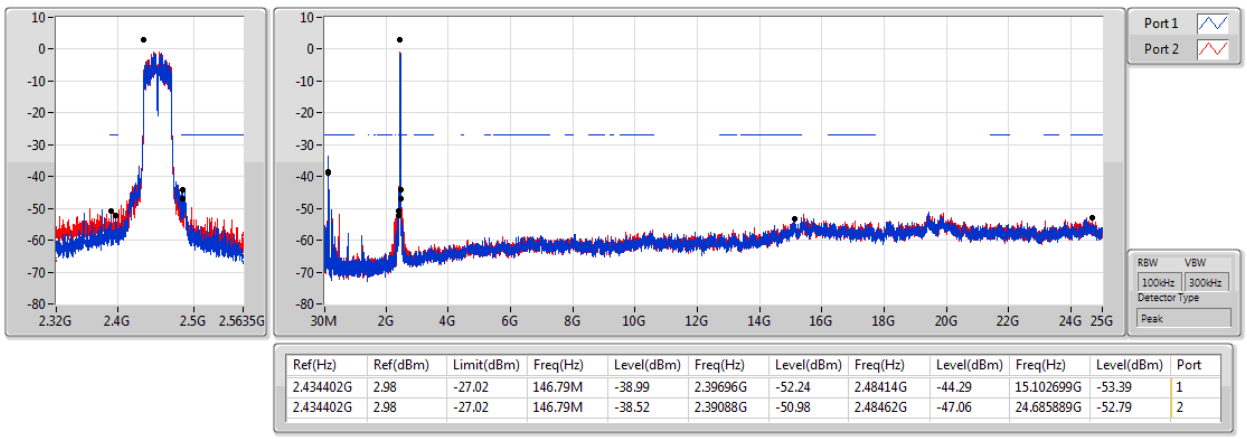
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	2.98	-27.02	146.79M	-38.44	2.39952G	-39.72	2.50814G	-49.12	15.080262G	-53.29	1
2.434402G	2.98	-27.02	146.79M	-38.27	2.39984G	-37.69	2.48446G	-47.80	15.341087G	-52.36	2

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

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	2.98	-27.02	146.79M	-38.99	2.39696G	-52.24	2.48414G	-44.29	15.102699G	-53.39	1
2.434402G	2.98	-27.02	146.79M	-38.52	2.39088G	-50.98	2.48462G	-47.06	24.685889G	-52.79	2

Summary

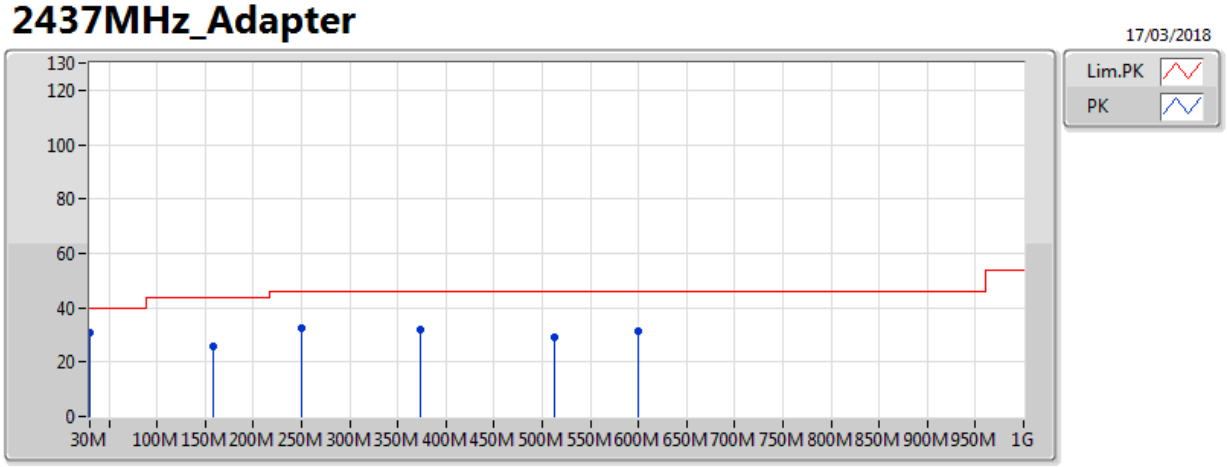
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	249.22M	39.66	46.00	-6.34	-17.25	3	Horizontal	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	158.04M	30.96	43.50	-12.54	-19.89	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	249.22M	39.66	46.00	-6.34	-17.25	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	286.08M	33.75	46.00	-12.25	-16.94	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	321M	29.00	46.00	-17.00	-16.34	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	518.88M	31.92	46.00	-14.08	-12.12	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	625.58M	38.45	46.00	-7.55	-10.16	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	30M	31.03	40.00	-8.97	-13.39	3	Vertical	0	1.00	-
2437MHz	Pass	PK	158.04M	25.73	43.50	-17.77	-19.89	3	Vertical	0	1.00	-
2437MHz	Pass	PK	249.22M	32.78	46.00	-13.22	-17.25	3	Vertical	0	1.00	-
2437MHz	Pass	PK	373.38M	32.09	46.00	-13.91	-14.87	3	Vertical	0	1.00	-
2437MHz	Pass	PK	513.06M	29.15	46.00	-16.85	-12.12	3	Vertical	0	1.00	-
2437MHz	Pass	PK	600.36M	31.64	46.00	-14.36	-10.85	3	Vertical	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

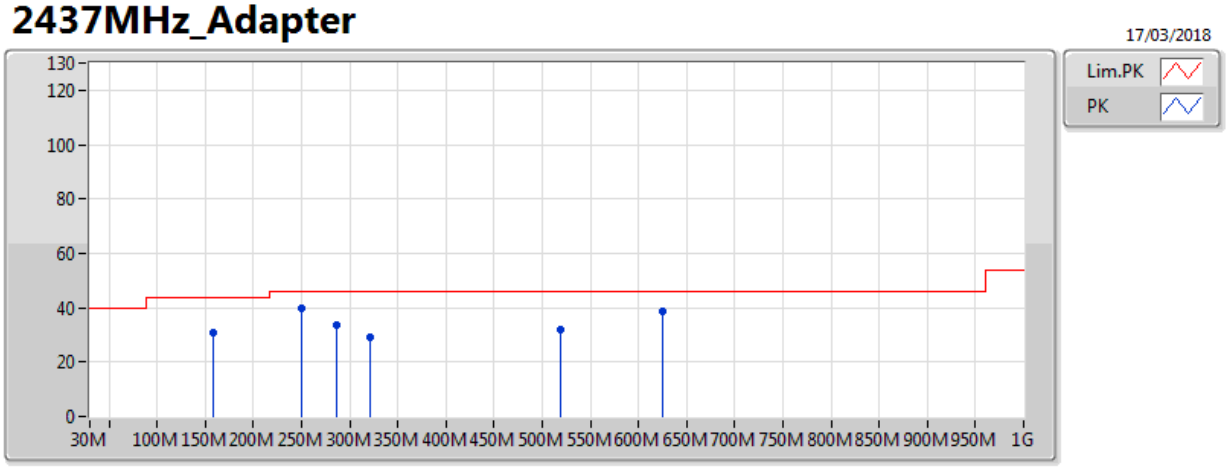
2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	31.03	40.00	-8.97	-13.39	3	Vertical	0	1.00	-	44.42	23.63	0.32	37.34
PK	158.04M	25.73	43.50	-17.77	-19.89	3	Vertical	0	1.00	-	45.62	15.83	0.83	36.56
PK	249.22M	32.78	46.00	-13.22	-17.25	3	Vertical	0	1.00	-	50.03	17.90	1.26	36.41
PK	373.38M	32.09	46.00	-13.91	-14.87	3	Vertical	0	1.00	-	46.96	20.20	1.50	36.57
PK	513.06M	29.15	46.00	-16.85	-12.12	3	Vertical	0	1.00	-	41.27	23.23	1.60	36.96
PK	600.36M	31.64	46.00	-14.36	-10.85	3	Vertical	0	1.00	-	42.49	24.70	1.64	37.19

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	158.04M	30.96	43.50	-12.54	-19.89	3	Horizontal	360	1.00	-	50.85	15.83	0.83	36.56
PK	249.22M	39.66	46.00	-6.34	-17.25	3	Horizontal	360	1.00	-	56.91	17.90	1.26	36.41
PK	286.08M	33.75	46.00	-12.25	-16.94	3	Horizontal	360	1.00	-	50.69	18.13	1.36	36.43
PK	321M	29.00	46.00	-17.00	-16.34	3	Horizontal	360	1.00	-	45.34	18.67	1.46	36.47
PK	518.88M	31.92	46.00	-14.08	-12.12	3	Horizontal	360	1.00	-	44.04	23.24	1.61	36.97
PK	625.58M	38.45	46.00	-7.55	-10.16	3	Horizontal	360	1.00	-	48.61	25.38	1.69	37.23

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	2.4882G	53.61	54.00	-0.39	30.93	3	Horizontal	123	1.22	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.3878G	53.76	54.00	-0.24	30.57	3	Horizontal	126	1.00	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	4.87216G	53.48	54.00	-0.52	1.34	3	Vertical	10	1.05	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.4842G	53.70	54.00	-0.30	30.92	3	Horizontal	312	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3848G	48.08	54.00	-5.92	30.56	3	Horizontal	117	1.29	-
2412MHz	Pass	AV	2.411G	106.72	Inf	-Inf	30.65	3	Horizontal	117	1.29	-
2412MHz	Pass	PK	2.3852G	57.19	74.00	-16.81	30.56	3	Horizontal	117	1.29	-
2412MHz	Pass	PK	2.4128G	109.61	Inf	-Inf	30.66	3	Horizontal	117	1.29	-
2412MHz	Pass	AV	2.3816G	47.14	54.00	-6.86	30.55	3	Vertical	54	2.96	-
2412MHz	Pass	AV	2.411G	104.15	Inf	-Inf	30.65	3	Vertical	54	2.96	-
2412MHz	Pass	PK	2.3846G	56.79	74.00	-17.21	30.56	3	Vertical	54	2.96	-
2412MHz	Pass	PK	2.4128G	106.83	Inf	-Inf	30.66	3	Vertical	54	2.96	-
2412MHz	Pass	AV	4.82392G	49.68	54.00	-4.32	1.24	3	Horizontal	8	1.37	-
2412MHz	Pass	PK	4.82392G	52.21	74.00	-21.79	1.24	3	Horizontal	8	1.37	-
2412MHz	Pass	AV	4.82392G	53.07	54.00	-0.93	1.24	3	Vertical	13	2.43	-
2412MHz	Pass	PK	4.82392G	55.24	74.00	-18.76	1.24	3	Vertical	13	2.43	-
2437MHz	Pass	AV	2.389G	48.58	54.00	-5.42	30.58	3	Horizontal	122	1.25	-
2437MHz	Pass	AV	2.4358G	111.36	Inf	-Inf	30.74	3	Horizontal	122	1.25	-
2437MHz	Pass	AV	2.4858G	49.43	54.00	-4.57	30.92	3	Horizontal	122	1.25	-
2437MHz	Pass	PK	2.3578G	59.77	74.00	-14.23	30.46	3	Horizontal	122	1.25	-
2437MHz	Pass	PK	2.437G	114.49	Inf	-Inf	30.74	3	Horizontal	122	1.25	-
2437MHz	Pass	PK	2.4846G	58.62	74.00	-15.38	30.92	3	Horizontal	122	1.25	-
2437MHz	Pass	AV	2.3554G	47.25	54.00	-6.75	30.46	3	Vertical	45	3.19	-
2437MHz	Pass	AV	2.4358G	108.20	Inf	-Inf	30.74	3	Vertical	45	3.19	-
2437MHz	Pass	AV	2.4882G	47.76	54.00	-6.24	30.93	3	Vertical	45	3.19	-
2437MHz	Pass	PK	2.3586G	57.94	74.00	-16.06	30.46	3	Vertical	45	3.19	-
2437MHz	Pass	PK	2.4362G	109.90	Inf	-Inf	30.74	3	Vertical	45	3.19	-
2437MHz	Pass	PK	2.4958G	55.27	74.00	-18.73	30.95	3	Vertical	45	3.19	-
2437MHz	Pass	AV	4.87396G	52.55	54.00	-1.45	1.34	3	Horizontal	26	1.01	-
2437MHz	Pass	AV	7.31016G	44.09	54.00	-9.91	7.32	3	Horizontal	178	3.11	-
2437MHz	Pass	PK	4.87392G	55.69	74.00	-18.31	1.34	3	Horizontal	26	1.01	-
2437MHz	Pass	PK	7.30988G	49.48	74.00	-24.52	7.31	3	Horizontal	178	3.11	-
2437MHz	Pass	AV	4.87388G	53.52	54.00	-0.48	1.34	3	Vertical	12	2.63	-
2437MHz	Pass	AV	7.312G	44.56	54.00	-9.44	7.32	3	Vertical	24	2.89	-
2437MHz	Pass	PK	4.87392G	56.36	74.00	-17.64	1.34	3	Vertical	12	2.63	-
2437MHz	Pass	PK	7.31068G	49.76	74.00	-24.24	7.32	3	Vertical	24	2.89	-
2457MHz	Pass	AV	2.4578G	105.50	Inf	-Inf	30.82	3	Horizontal	123	1.02	-
2457MHz	Pass	AV	2.483502G	48.55	54.00	-5.45	30.91	3	Horizontal	123	1.02	-
2457MHz	Pass	PK	2.4578G	107.05	Inf	-Inf	30.82	3	Horizontal	123	1.02	-
2457MHz	Pass	PK	2.4852G	56.17	74.00	-17.83	30.92	3	Horizontal	123	1.02	-
2457MHz	Pass	AV	2.4578G	102.67	Inf	-Inf	30.82	3	Vertical	28	2.81	-
2457MHz	Pass	AV	2.484G	47.79	54.00	-6.21	30.92	3	Vertical	28	2.81	-
2457MHz	Pass	PK	2.4562G	104.30	Inf	-Inf	30.81	3	Vertical	28	2.81	-
2457MHz	Pass	PK	2.4842G	55.56	74.00	-18.44	30.92	3	Vertical	28	2.81	-
2462MHz	Pass	AV	2.461G	109.48	Inf	-Inf	30.83	3	Horizontal	123	1.22	-
2462MHz	Pass	AV	2.4882G	53.61	54.00	-0.39	30.93	3	Horizontal	123	1.22	-
2462MHz	Pass	PK	2.462G	112.50	Inf	-Inf	30.83	3	Horizontal	123	1.22	-
2462MHz	Pass	PK	2.4894G	60.85	74.00	-13.15	30.93	3	Horizontal	123	1.22	-
2462MHz	Pass	AV	2.463G	106.48	Inf	-Inf	30.84	3	Vertical	37	2.83	-
2462MHz	Pass	AV	2.4878G	51.46	54.00	-2.54	30.93	3	Vertical	37	2.83	-
2462MHz	Pass	PK	2.462G	109.21	Inf	-Inf	30.83	3	Vertical	37	2.83	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4882G	59.08	74.00	-14.92	30.93	3	Vertical	37	2.83	-
2462MHz	Pass	AV	4.92396G	49.12	54.00	-4.88	1.44	3	Horizontal	30	1.16	-
2462MHz	Pass	PK	4.92392G	50.71	74.00	-23.29	1.44	3	Horizontal	30	1.16	-
2462MHz	Pass	AV	4.924G	53.18	54.00	-0.82	1.44	3	Vertical	10	2.71	-
2462MHz	Pass	PK	4.92404G	54.35	74.00	-19.65	1.44	3	Vertical	10	2.71	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	53.54	54.00	-0.46	30.58	3	Horizontal	312	1.01	-
2412MHz	Pass	AV	2.4102G	102.47	Inf	-Inf	30.65	3	Horizontal	322	1.53	-
2412MHz	Pass	PK	2.389998G	63.90	74.00	-10.10	30.58	3	Horizontal	312	1.01	-
2412MHz	Pass	PK	2.4154G	110.62	Inf	-Inf	30.67	3	Horizontal	312	1.01	-
2412MHz	Pass	AV	2.389998G	51.01	54.00	-2.99	30.58	3	Vertical	109	2.64	-
2412MHz	Pass	AV	2.4108G	102.23	Inf	-Inf	30.65	3	Vertical	109	2.64	-
2412MHz	Pass	PK	2.3898G	59.46	74.00	-14.54	30.58	3	Vertical	109	2.64	-
2412MHz	Pass	PK	2.411G	108.26	Inf	-Inf	30.65	3	Vertical	109	2.64	-
2412MHz	Pass	AV	4.82508G	46.88	54.00	-7.12	1.25	3	Horizontal	21	1.02	-
2412MHz	Pass	PK	4.8249G	52.35	74.00	-21.65	1.25	3	Horizontal	21	1.02	-
2412MHz	Pass	AV	4.82268G	51.44	54.00	-2.56	1.24	3	Vertical	23	1.50	-
2412MHz	Pass	PK	4.82252G	56.28	74.00	-17.72	1.24	3	Vertical	23	1.50	-
2417MHz	Pass	AV	2.3878G	53.76	54.00	-0.24	30.57	3	Horizontal	126	1.00	-
2417MHz	Pass	AV	2.4162G	103.92	Inf	-Inf	30.67	3	Horizontal	126	1.00	-
2417MHz	Pass	PK	2.3898G	61.00	74.00	-13.00	30.57	3	Horizontal	126	1.00	-
2417MHz	Pass	PK	2.416G	108.74	Inf	-Inf	30.67	3	Horizontal	126	1.00	-
2417MHz	Pass	AV	2.3898G	50.42	54.00	-3.58	30.57	3	Vertical	89	1.47	-
2417MHz	Pass	AV	2.4158G	100.04	Inf	-Inf	30.67	3	Vertical	89	1.47	-
2417MHz	Pass	PK	2.3888G	58.31	74.00	-15.69	30.57	3	Vertical	89	1.47	-
2417MHz	Pass	PK	2.4152G	105.67	Inf	-Inf	30.66	3	Vertical	89	1.47	-
2422MHz	Pass	AV	2.3892G	52.46	54.00	-1.54	30.57	3	Horizontal	126	1.01	-
2422MHz	Pass	AV	2.4212G	104.08	Inf	-Inf	30.69	3	Horizontal	126	1.01	-
2422MHz	Pass	PK	2.3896G	59.97	74.00	-14.03	30.57	3	Horizontal	126	1.01	-
2422MHz	Pass	PK	2.4212G	110.17	Inf	-Inf	30.69	3	Horizontal	126	1.01	-
2422MHz	Pass	AV	2.3886G	48.63	54.00	-5.37	30.57	3	Vertical	90	1.49	-
2422MHz	Pass	AV	2.4206G	100.48	Inf	-Inf	30.68	3	Vertical	90	1.49	-
2422MHz	Pass	PK	2.3882G	55.78	74.00	-18.22	30.57	3	Vertical	90	1.49	-
2422MHz	Pass	PK	2.4202G	106.31	Inf	-Inf	30.68	3	Vertical	90	1.49	-
2437MHz	Pass	AV	2.3894G	49.13	54.00	-4.87	30.57	3	Horizontal	128	1.01	-
2437MHz	Pass	AV	2.4362G	103.46	Inf	-Inf	30.74	3	Horizontal	128	1.01	-
2437MHz	Pass	AV	2.4942G	49.48	54.00	-4.52	30.95	3	Horizontal	128	1.01	-
2437MHz	Pass	PK	2.387G	56.39	74.00	-17.61	30.56	3	Horizontal	128	1.01	-
2437MHz	Pass	PK	2.4362G	108.77	Inf	-Inf	30.74	3	Horizontal	128	1.01	-
2437MHz	Pass	PK	2.4838G	55.68	74.00	-18.32	30.91	3	Horizontal	128	1.01	-
2437MHz	Pass	AV	2.3898G	49.01	54.00	-4.99	30.57	3	Vertical	116	2.60	-
2437MHz	Pass	AV	2.4354G	102.46	Inf	-Inf	30.74	3	Vertical	116	2.60	-
2437MHz	Pass	AV	2.489G	48.62	54.00	-5.38	30.93	3	Vertical	116	2.60	-
2437MHz	Pass	PK	2.3498G	55.31	74.00	-18.69	30.43	3	Vertical	116	2.60	-
2437MHz	Pass	PK	2.435G	108.30	Inf	-Inf	30.74	3	Vertical	116	2.60	-
2437MHz	Pass	PK	2.4854G	54.98	74.00	-19.02	30.92	3	Vertical	116	2.60	-
2437MHz	Pass	AV	4.87202G	47.64	54.00	-6.36	1.34	3	Horizontal	0	1.14	-
2437MHz	Pass	PK	4.87328G	54.96	74.00	-19.04	1.34	3	Horizontal	0	1.14	-
2437MHz	Pass	AV	4.87532G	52.77	54.00	-1.23	1.34	3	Vertical	16	1.03	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	4.87466G	61.82	74.00	-12.18	1.34	3	Vertical	16	1.03	-
2462MHz	Pass	AV	2.4612G	102.15	Inf	-Inf	30.83	3	Horizontal	127	1.01	-
2462MHz	Pass	AV	2.4922G	49.65	54.00	-4.35	30.94	3	Horizontal	127	1.01	-
2462MHz	Pass	PK	2.461G	107.30	Inf	-Inf	30.83	3	Horizontal	127	1.01	-
2462MHz	Pass	PK	2.4844G	56.76	74.00	-17.24	30.92	3	Horizontal	127	1.01	-
2462MHz	Pass	AV	2.4608G	100.56	Inf	-Inf	30.83	3	Vertical	114	2.91	-
2462MHz	Pass	AV	2.485G	50.38	54.00	-3.62	30.92	3	Vertical	114	2.91	-
2462MHz	Pass	PK	2.46G	106.03	Inf	-Inf	30.83	3	Vertical	114	2.91	-
2462MHz	Pass	PK	2.4842G	56.87	74.00	-17.13	30.92	3	Vertical	114	2.91	-
2462MHz	Pass	AV	4.9252G	48.45	54.00	-5.55	1.44	3	Horizontal	359	1.50	-
2462MHz	Pass	PK	4.92028G	56.45	74.00	-17.55	1.43	3	Horizontal	359	1.50	-
2462MHz	Pass	AV	4.9255G	52.78	54.00	-1.22	1.44	3	Vertical	15	1.11	-
2462MHz	Pass	PK	4.92046G	59.28	74.00	-14.72	1.43	3	Vertical	15	1.11	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	52.55	54.00	-1.45	30.57	3	Horizontal	308	1.01	-
2412MHz	Pass	AV	2.4132G	102.84	Inf	-Inf	30.66	3	Horizontal	308	1.01	-
2412MHz	Pass	PK	2.3892G	62.73	74.00	-11.27	30.57	3	Horizontal	308	1.01	-
2412MHz	Pass	PK	2.4134G	107.89	Inf	-Inf	30.66	3	Horizontal	308	1.01	-
2412MHz	Pass	AV	2.3896G	52.46	54.00	-1.54	30.57	3	Vertical	112	2.66	-
2412MHz	Pass	AV	2.4114G	101.37	Inf	-Inf	30.65	3	Vertical	112	2.66	-
2412MHz	Pass	PK	2.389998G	58.80	74.00	-15.20	30.57	3	Vertical	112	2.66	-
2412MHz	Pass	PK	2.4114G	106.45	Inf	-Inf	30.65	3	Vertical	112	2.66	-
2412MHz	Pass	AV	4.8226G	45.28	54.00	-8.72	1.24	3	Horizontal	1	1.01	-
2412MHz	Pass	PK	4.82816G	51.05	74.00	-22.95	1.25	3	Horizontal	1	1.01	-
2412MHz	Pass	AV	4.82244G	53.32	54.00	-0.68	1.24	3	Vertical	10	1.04	-
2412MHz	Pass	PK	4.82568G	59.26	74.00	-14.74	1.25	3	Vertical	10	1.04	-
2437MHz	Pass	AV	2.3878G	48.91	54.00	-5.09	30.57	3	Horizontal	311	2.81	-
2437MHz	Pass	AV	2.4354G	101.04	Inf	-Inf	30.74	3	Horizontal	311	2.81	-
2437MHz	Pass	AV	2.4862G	48.53	54.00	-5.47	30.92	3	Horizontal	311	2.81	-
2437MHz	Pass	PK	2.389G	55.54	74.00	-18.46	30.57	3	Horizontal	311	2.81	-
2437MHz	Pass	PK	2.4354G	106.66	Inf	-Inf	30.74	3	Horizontal	311	2.81	-
2437MHz	Pass	PK	2.4958G	54.95	74.00	-19.05	30.96	3	Horizontal	311	2.81	-
2437MHz	Pass	AV	2.3858G	48.63	54.00	-5.37	30.56	3	Vertical	115	2.77	-
2437MHz	Pass	AV	2.4362G	98.62	Inf	-Inf	30.74	3	Vertical	115	2.77	-
2437MHz	Pass	AV	2.4894G	48.17	54.00	-5.83	30.93	3	Vertical	115	2.77	-
2437MHz	Pass	PK	2.3522G	55.20	74.00	-18.80	30.45	3	Vertical	115	2.77	-
2437MHz	Pass	PK	2.4366G	103.51	Inf	-Inf	30.74	3	Vertical	115	2.77	-
2437MHz	Pass	PK	2.4854G	55.62	74.00	-18.38	30.92	3	Vertical	115	2.77	-
2437MHz	Pass	AV	4.87024G	46.57	54.00	-7.43	1.33	3	Horizontal	0	1.06	-
2437MHz	Pass	PK	4.86976G	52.99	74.00	-21.01	1.33	3	Horizontal	0	1.06	-
2437MHz	Pass	AV	4.87216G	53.48	54.00	-0.52	1.34	3	Vertical	10	1.05	-
2437MHz	Pass	PK	4.87428G	59.63	74.00	-14.37	1.34	3	Vertical	10	1.05	-
2457MHz	Pass	AV	2.4562G	101.70	Inf	-Inf	30.81	3	Horizontal	142	1.34	-
2457MHz	Pass	AV	2.488G	49.17	54.00	-4.83	30.93	3	Horizontal	142	1.34	-
2457MHz	Pass	PK	2.454G	106.45	Inf	-Inf	30.80	3	Horizontal	142	1.34	-
2457MHz	Pass	PK	2.4836G	55.79	74.00	-18.21	30.91	3	Horizontal	142	1.34	-
2457MHz	Pass	AV	2.4562G	100.61	Inf	-Inf	30.81	3	Vertical	118	2.89	-
2457MHz	Pass	AV	2.4964G	48.53	54.00	-5.47	30.96	3	Vertical	118	2.89	-
2457MHz	Pass	PK	2.4558G	106.95	Inf	-Inf	30.81	3	Vertical	118	2.89	-

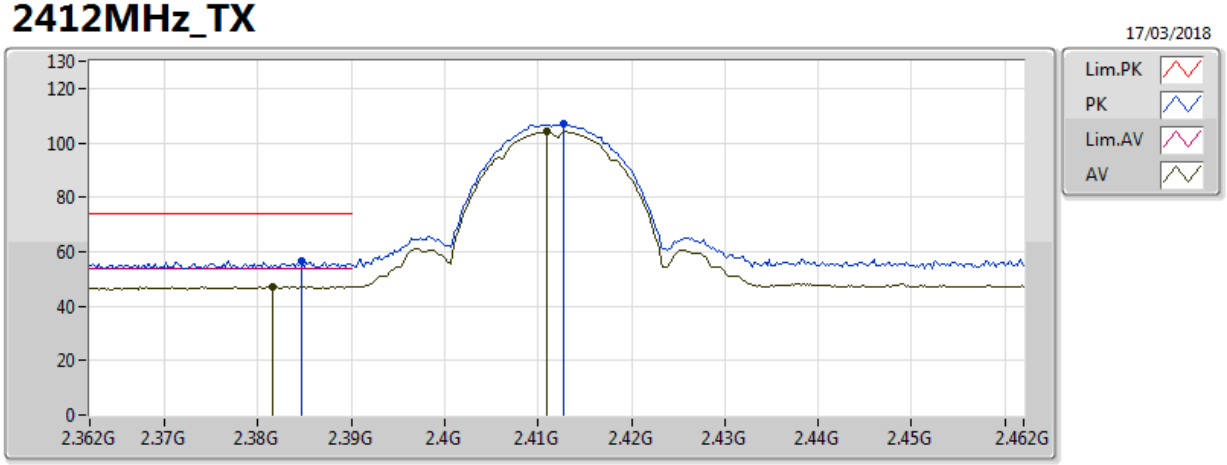
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4878G	55.58	74.00	-18.42	30.93	3	Vertical	118	2.89	-
2462MHz	Pass	AV	2.4606G	102.61	Inf	-Inf	30.83	3	Horizontal	307	2.75	-
2462MHz	Pass	AV	2.4836G	53.38	54.00	-0.62	30.91	3	Horizontal	307	2.75	-
2462MHz	Pass	PK	2.4634G	106.92	Inf	-Inf	30.84	3	Horizontal	307	2.75	-
2462MHz	Pass	PK	2.4838G	64.12	74.00	-9.88	30.91	3	Horizontal	307	2.75	-
2462MHz	Pass	AV	2.4612G	101.18	Inf	-Inf	30.83	3	Vertical	117	2.89	-
2462MHz	Pass	AV	2.4838G	52.03	54.00	-1.97	30.91	3	Vertical	117	2.89	-
2462MHz	Pass	PK	2.4612G	105.55	Inf	-Inf	30.83	3	Vertical	117	2.89	-
2462MHz	Pass	PK	2.483502G	58.84	74.00	-15.16	30.91	3	Vertical	117	2.89	-
2462MHz	Pass	AV	4.92262G	46.42	54.00	-7.58	1.44	3	Horizontal	356	2.30	-
2462MHz	Pass	PK	4.9276G	54.21	74.00	-19.79	1.45	3	Horizontal	356	2.30	-
2462MHz	Pass	AV	4.92514G	52.62	54.00	-1.38	1.44	3	Vertical	21	1.22	-
2462MHz	Pass	PK	4.92022G	57.47	74.00	-16.53	1.43	3	Vertical	21	1.22	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.389998G	53.19	54.00	-0.81	30.57	3	Horizontal	312	1.74	-
2422MHz	Pass	AV	2.4196G	94.39	Inf	-Inf	30.68	3	Horizontal	312	1.74	-
2422MHz	Pass	AV	2.4924G	47.89	54.00	-6.11	30.94	3	Horizontal	312	1.74	-
2422MHz	Pass	PK	2.386G	62.19	74.00	-11.81	30.56	3	Horizontal	312	1.74	-
2422MHz	Pass	PK	2.4208G	101.76	Inf	-Inf	30.68	3	Horizontal	312	1.74	-
2422MHz	Pass	PK	2.4984G	56.71	74.00	-17.29	30.97	3	Horizontal	312	1.74	-
2422MHz	Pass	AV	2.3856G	52.57	54.00	-1.43	30.56	3	Vertical	101	1.50	-
2422MHz	Pass	AV	2.4196G	91.45	Inf	-Inf	30.68	3	Vertical	101	1.50	-
2422MHz	Pass	AV	2.4912G	48.15	54.00	-5.85	30.94	3	Vertical	101	1.50	-
2422MHz	Pass	PK	2.3856G	59.05	74.00	-14.95	30.56	3	Vertical	101	1.50	-
2422MHz	Pass	PK	2.4196G	97.58	Inf	-Inf	30.68	3	Vertical	101	1.50	-
2422MHz	Pass	PK	2.4868G	54.72	74.00	-19.28	30.92	3	Vertical	101	1.50	-
2422MHz	Pass	AV	4.83424G	38.46	54.00	-15.54	1.27	3	Horizontal	30	1.06	-
2422MHz	Pass	PK	4.84964G	45.46	74.00	-28.54	1.29	3	Horizontal	30	1.06	-
2422MHz	Pass	AV	4.83746G	41.55	54.00	-12.45	1.27	3	Vertical	11	1.01	-
2422MHz	Pass	PK	4.84082G	49.14	74.00	-24.86	1.28	3	Vertical	11	1.01	-
2427MHz	Pass	AV	2.3898G	53.65	54.00	-0.35	30.57	3	Horizontal	314	2.78	-
2427MHz	Pass	AV	2.4246G	94.78	Inf	-Inf	30.70	3	Horizontal	314	2.78	-
2427MHz	Pass	AV	2.4974G	48.71	54.00	-5.29	30.96	3	Horizontal	314	2.78	-
2427MHz	Pass	PK	2.3894G	61.36	74.00	-12.64	30.57	3	Horizontal	314	2.78	-
2427MHz	Pass	PK	2.4246G	100.74	Inf	-Inf	30.70	3	Horizontal	314	2.78	-
2427MHz	Pass	PK	2.4966G	55.92	74.00	-18.08	30.96	3	Horizontal	314	2.78	-
2427MHz	Pass	AV	2.3898G	52.59	54.00	-1.41	30.57	3	Vertical	92	1.50	-
2427MHz	Pass	AV	2.4246G	91.77	Inf	-Inf	30.70	3	Vertical	92	1.50	-
2427MHz	Pass	AV	2.4958G	48.33	54.00	-5.67	30.96	3	Vertical	92	1.50	-
2427MHz	Pass	PK	2.3898G	61.32	74.00	-12.68	30.57	3	Vertical	92	1.50	-
2427MHz	Pass	PK	2.4246G	97.99	Inf	-Inf	30.70	3	Vertical	92	1.50	-
2427MHz	Pass	PK	2.4866G	54.59	74.00	-19.41	30.92	3	Vertical	92	1.50	-
2432MHz	Pass	AV	2.3884G	53.15	54.00	-0.85	30.57	3	Horizontal	316	1.50	-
2432MHz	Pass	AV	2.4296G	97.85	Inf	-Inf	30.72	3	Horizontal	316	1.50	-
2432MHz	Pass	AV	2.4876G	49.37	54.00	-4.63	30.93	3	Horizontal	316	1.50	-
2432MHz	Pass	PK	2.3888G	59.71	74.00	-14.29	30.57	3	Horizontal	316	1.50	-
2432MHz	Pass	PK	2.4296G	104.08	Inf	-Inf	30.72	3	Horizontal	316	1.50	-
2432MHz	Pass	PK	2.4884G	56.00	74.00	-18.00	30.93	3	Horizontal	316	1.50	-
2432MHz	Pass	AV	2.3884G	53.57	54.00	-0.43	30.57	3	Vertical	101	1.53	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2432MHz	Pass	AV	2.4296G	95.92	Inf	-Inf	30.72	3	Vertical	101	1.53	-
2432MHz	Pass	AV	2.4988G	48.02	54.00	-5.98	30.97	3	Vertical	101	1.53	-
2432MHz	Pass	PK	2.3896G	64.02	74.00	-9.98	30.57	3	Vertical	101	1.53	-
2432MHz	Pass	PK	2.4296G	101.96	Inf	-Inf	30.72	3	Vertical	101	1.53	-
2432MHz	Pass	PK	2.4912G	54.87	74.00	-19.13	30.94	3	Vertical	101	1.53	-
2437MHz	Pass	AV	2.3882G	53.63	54.00	-0.37	30.57	3	Horizontal	309	2.51	-
2437MHz	Pass	AV	2.4346G	99.09	Inf	-Inf	30.73	3	Horizontal	309	2.51	-
2437MHz	Pass	AV	2.4882G	49.84	54.00	-4.16	30.93	3	Horizontal	309	2.51	-
2437MHz	Pass	PK	2.3886G	60.90	74.00	-13.10	30.57	3	Horizontal	309	2.51	-
2437MHz	Pass	PK	2.4346G	105.06	Inf	-Inf	30.73	3	Horizontal	309	2.51	-
2437MHz	Pass	PK	2.483502G	56.81	74.00	-17.19	30.91	3	Horizontal	309	2.51	-
2437MHz	Pass	AV	2.389G	52.86	54.00	-1.14	30.57	3	Vertical	117	2.88	-
2437MHz	Pass	AV	2.4346G	96.93	Inf	-Inf	30.73	3	Vertical	117	2.88	-
2437MHz	Pass	AV	2.497G	48.89	54.00	-5.11	30.96	3	Vertical	117	2.88	-
2437MHz	Pass	PK	2.3866G	60.23	74.00	-13.77	30.56	3	Vertical	117	2.88	-
2437MHz	Pass	PK	2.4346G	103.08	Inf	-Inf	30.73	3	Vertical	117	2.88	-
2437MHz	Pass	PK	2.4886G	55.88	74.00	-18.12	30.93	3	Vertical	117	2.88	-
2437MHz	Pass	AV	4.87268G	45.49	54.00	-8.51	1.34	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	4.87154G	49.90	74.00	-24.10	1.34	3	Horizontal	0	1.00	-
2437MHz	Pass	AV	4.87508G	46.56	54.00	-7.44	1.34	3	Vertical	16	1.03	-
2437MHz	Pass	PK	4.8704G	57.46	74.00	-16.54	1.33	3	Vertical	16	1.03	-
2442MHz	Pass	AV	2.3888G	49.81	54.00	-4.19	30.57	3	Horizontal	311	1.50	-
2442MHz	Pass	AV	2.4396G	98.63	Inf	-Inf	30.75	3	Horizontal	311	1.50	-
2442MHz	Pass	AV	2.4856G	51.04	54.00	-2.96	30.92	3	Horizontal	311	1.50	-
2442MHz	Pass	PK	2.3892G	56.80	74.00	-17.20	30.57	3	Horizontal	311	1.50	-
2442MHz	Pass	PK	2.438G	103.69	Inf	-Inf	30.75	3	Horizontal	311	1.50	-
2442MHz	Pass	PK	2.4944G	59.42	74.00	-14.58	30.95	3	Horizontal	311	1.50	-
2442MHz	Pass	AV	2.3872G	52.09	54.00	-1.91	30.56	3	Vertical	101	2.86	-
2442MHz	Pass	AV	2.4392G	96.68	Inf	-Inf	30.75	3	Vertical	101	2.86	-
2442MHz	Pass	AV	2.483502G	49.23	54.00	-4.77	30.91	3	Vertical	101	2.86	-
2442MHz	Pass	PK	2.3868G	58.98	74.00	-15.02	30.56	3	Vertical	101	2.86	-
2442MHz	Pass	PK	2.4396G	103.08	Inf	-Inf	30.75	3	Vertical	101	2.86	-
2442MHz	Pass	PK	2.486G	58.56	74.00	-15.44	30.92	3	Vertical	101	2.86	-
2447MHz	Pass	AV	2.3794G	49.74	54.00	-4.26	30.54	3	Horizontal	312	1.50	-
2447MHz	Pass	AV	2.4446G	97.20	Inf	-Inf	30.77	3	Horizontal	312	1.50	-
2447MHz	Pass	AV	2.4842G	53.70	54.00	-0.30	30.92	3	Horizontal	312	1.50	-
2447MHz	Pass	PK	2.3842G	55.81	74.00	-18.19	30.56	3	Horizontal	312	1.50	-
2447MHz	Pass	PK	2.4446G	103.51	Inf	-Inf	30.77	3	Horizontal	312	1.50	-
2447MHz	Pass	PK	2.4842G	60.02	74.00	-13.98	30.92	3	Horizontal	312	1.50	-
2447MHz	Pass	AV	2.3794G	50.08	54.00	-3.92	30.54	3	Vertical	113	2.86	-
2447MHz	Pass	AV	2.4446G	95.52	Inf	-Inf	30.77	3	Vertical	113	2.86	-
2447MHz	Pass	AV	2.4842G	52.47	54.00	-1.53	30.92	3	Vertical	113	2.86	-
2447MHz	Pass	PK	2.3874G	55.45	74.00	-18.55	30.56	3	Vertical	113	2.86	-
2447MHz	Pass	PK	2.4446G	100.16	Inf	-Inf	30.77	3	Vertical	113	2.86	-
2447MHz	Pass	PK	2.4846G	59.44	74.00	-14.56	30.92	3	Vertical	113	2.86	-
2452MHz	Pass	AV	2.3556G	47.47	54.00	-6.53	30.46	3	Horizontal	313	3.09	-
2452MHz	Pass	AV	2.4496G	95.46	Inf	-Inf	30.79	3	Horizontal	313	3.09	-
2452MHz	Pass	AV	2.4844G	53.36	54.00	-0.64	30.92	3	Horizontal	313	3.09	-
2452MHz	Pass	PK	2.3896G	55.86	74.00	-18.14	30.57	3	Horizontal	313	3.09	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	PK	2.4508G	102.97	Inf	-Inf	30.79	3	Horizontal	313	3.09	-
2452MHz	Pass	PK	2.4852G	63.34	74.00	-10.66	30.92	3	Horizontal	313	3.09	-
2452MHz	Pass	AV	2.3796G	48.65	54.00	-5.35	30.54	3	Vertical	118	2.89	-
2452MHz	Pass	AV	2.4496G	94.06	Inf	-Inf	30.79	3	Vertical	118	2.89	-
2452MHz	Pass	AV	2.4844G	52.47	54.00	-1.53	30.92	3	Vertical	118	2.89	-
2452MHz	Pass	PK	2.3784G	54.82	74.00	-19.18	30.53	3	Vertical	118	2.89	-
2452MHz	Pass	PK	2.4496G	100.29	Inf	-Inf	30.79	3	Vertical	118	2.89	-
2452MHz	Pass	PK	2.4852G	60.87	74.00	-13.13	30.92	3	Vertical	118	2.89	-
2452MHz	Pass	AV	4.89528G	38.63	54.00	-15.37	1.38	3	Horizontal	1	1.01	-
2452MHz	Pass	PK	4.90176G	46.42	74.00	-27.58	1.39	3	Horizontal	1	1.01	-
2452MHz	Pass	AV	4.90968G	42.85	54.00	-11.15	1.41	3	Vertical	11	1.00	-
2452MHz	Pass	PK	4.90936G	49.91	74.00	-24.09	1.41	3	Vertical	11	1.00	-

802.11b_Nss1,(1Mbps)_2TX

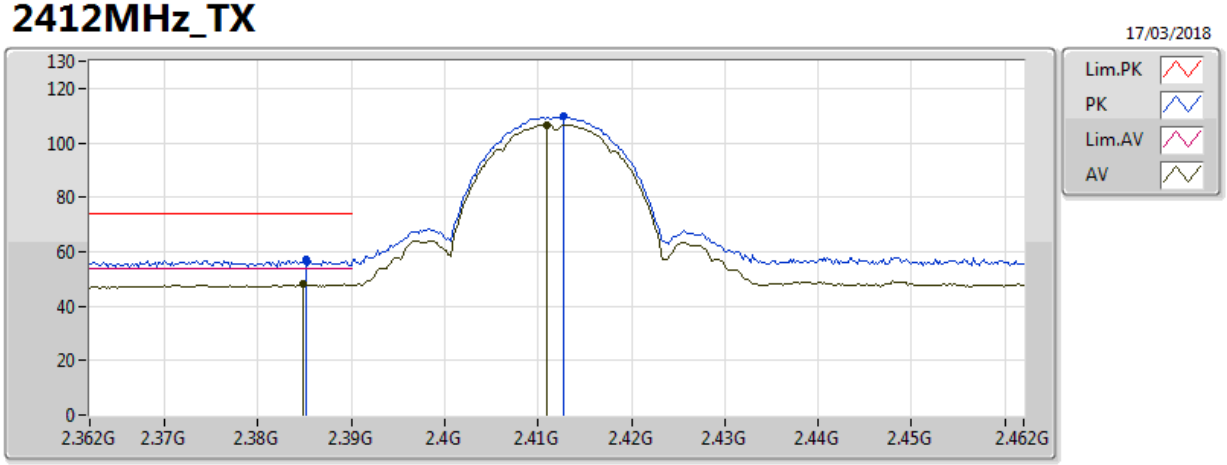
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3816G	47.14	54.00	-6.86	30.55	3	Vertical	54	2.96	-	16.59	26.97	3.58	-
AV	2.411G	104.15	Inf	-Inf	30.65	3	Vertical	54	2.96	-	73.50	27.05	3.60	-
PK	2.3846G	56.79	74.00	-17.21	30.56	3	Vertical	54	2.96	-	26.23	26.98	3.58	-
PK	2.4128G	106.83	Inf	-Inf	30.66	3	Vertical	54	2.96	-	76.17	27.06	3.60	-

802.11b_Nss1,(1Mbps)_2TX

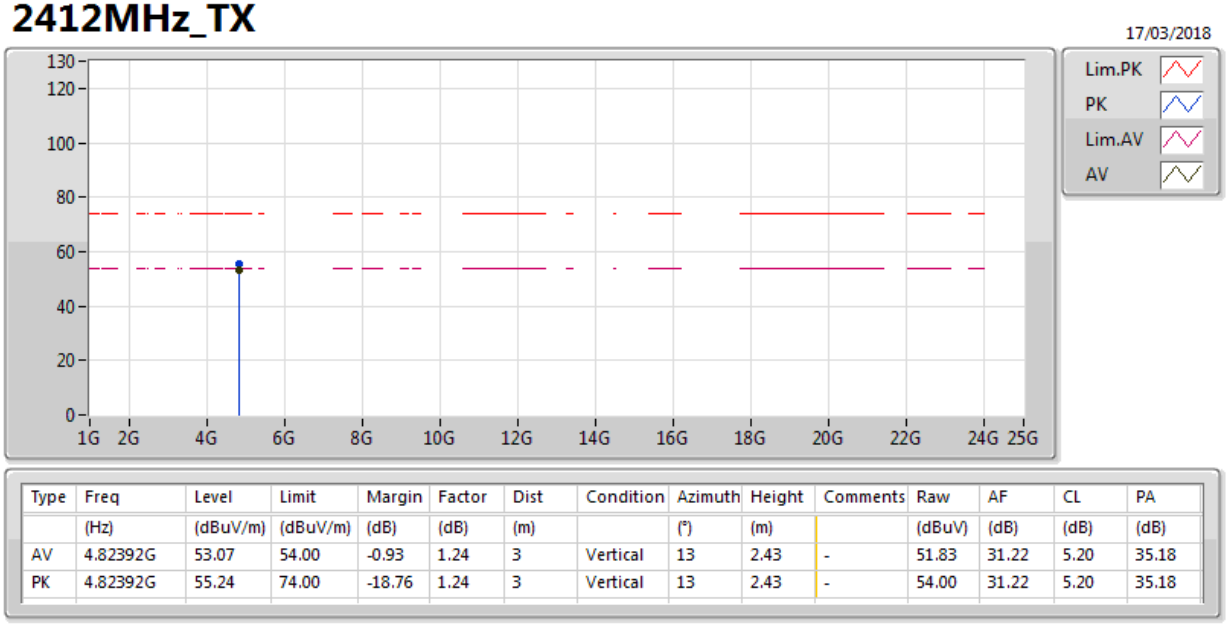
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3848G	48.08	54.00	-5.92	30.56	3	Horizontal	117	1.29	-	17.52	26.98	3.58	-
AV	2.411G	106.72	Inf	-Inf	30.65	3	Horizontal	117	1.29	-	76.07	27.05	3.60	-
PK	2.3852G	57.19	74.00	-16.81	30.56	3	Horizontal	117	1.29	-	26.63	26.98	3.58	-
PK	2.4128G	109.61	Inf	-Inf	30.66	3	Horizontal	117	1.29	-	78.95	27.06	3.60	-

802.11b_Nss1,(1Mbps)_2TX

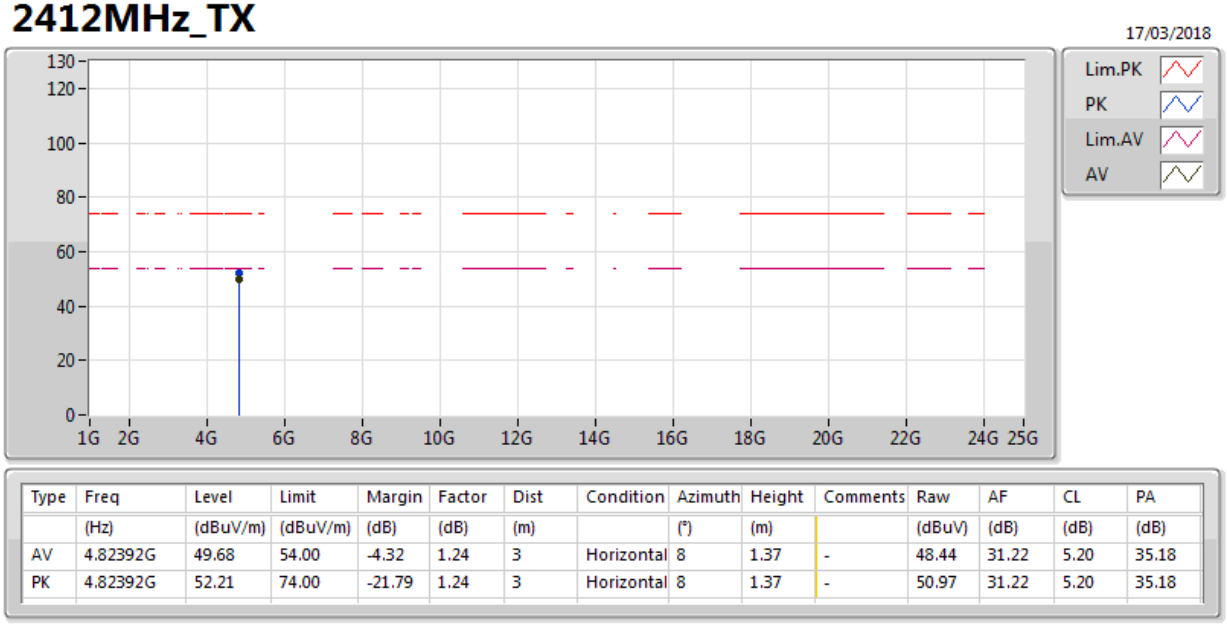
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82392G	53.07	54.00	-0.93	1.24	3	Vertical	13	2.43	-	51.83	31.22	5.20	35.18
PK	4.82392G	55.24	74.00	-18.76	1.24	3	Vertical	13	2.43	-	54.00	31.22	5.20	35.18

802.11b_Nss1,(1Mbps)_2TX

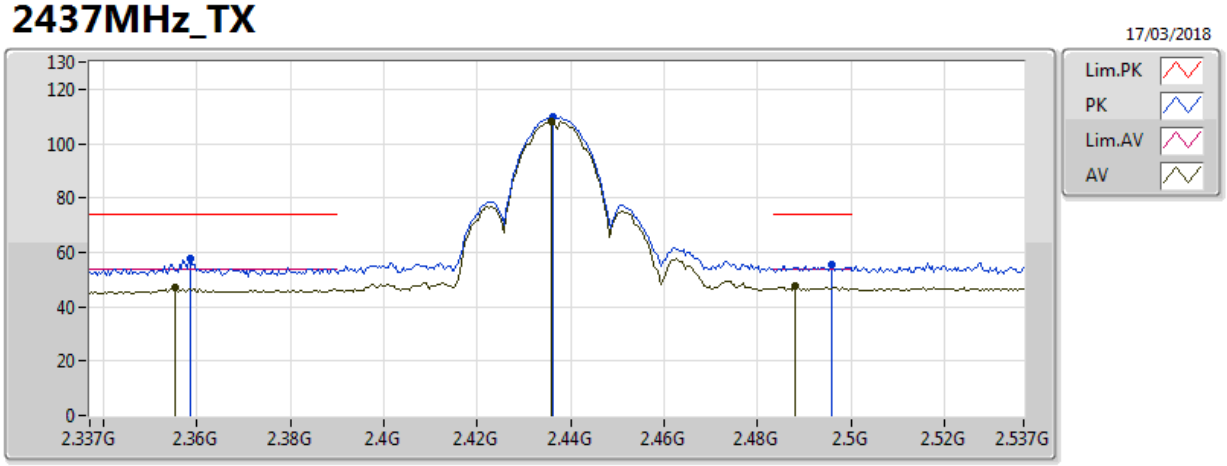
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82392G	49.68	54.00	-4.32	1.24	3	Horizontal	8	1.37	-	48.44	31.22	5.20	35.18
PK	4.82392G	52.21	74.00	-21.79	1.24	3	Horizontal	8	1.37	-	50.97	31.22	5.20	35.18

802.11b_Nss1,(1Mbps)_2TX

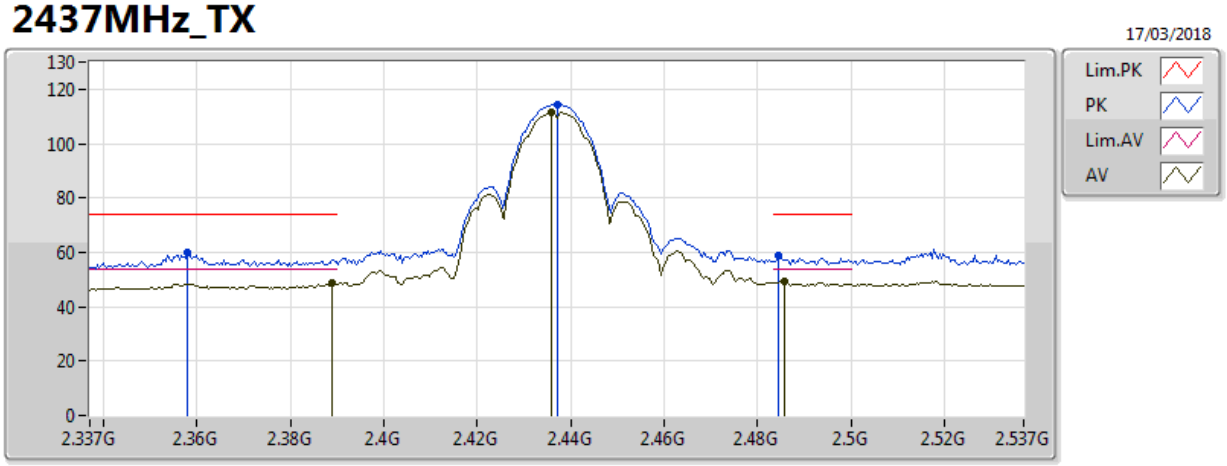
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3554G	47.25	54.00	-6.75	30.46	3	Vertical	45	3.19	-	16.79	26.90	3.56	-
AV	2.4358G	108.20	Inf	-Inf	30.74	3	Vertical	45	3.19	-	77.46	27.12	3.62	-
AV	2.4882G	47.76	54.00	-6.24	30.93	3	Vertical	45	3.19	-	16.83	27.27	3.66	-
PK	2.3586G	57.94	74.00	-16.06	30.46	3	Vertical	45	3.19	-	27.48	26.90	3.56	-
PK	2.4362G	109.90	Inf	-Inf	30.74	3	Vertical	45	3.19	-	79.16	27.12	3.62	-
PK	2.4958G	55.27	74.00	-18.73	30.95	3	Vertical	45	3.19	-	24.32	27.29	3.66	-

802.11b_Nss1,(1Mbps)_2TX

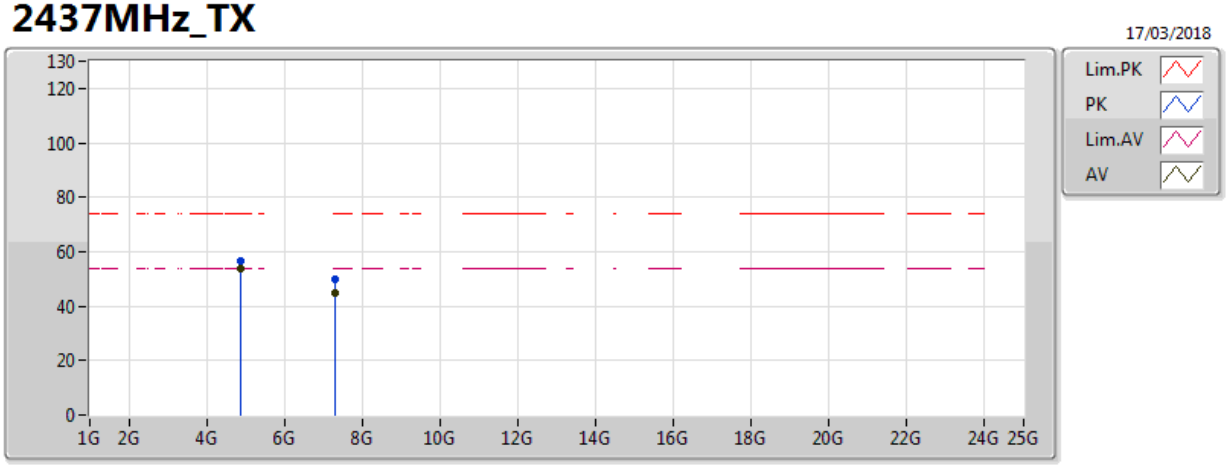
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	48.58	54.00	-5.42	30.58	3	Horizontal	122	1.25	-	18.00	26.99	3.59	-
AV	2.4358G	111.36	Inf	-Inf	30.74	3	Horizontal	122	1.25	-	80.62	27.12	3.62	-
AV	2.4858G	49.43	54.00	-4.57	30.92	3	Horizontal	122	1.25	-	18.51	27.26	3.66	-
PK	2.3578G	59.77	74.00	-14.23	30.46	3	Horizontal	122	1.25	-	29.31	26.90	3.56	-
PK	2.437G	114.49	Inf	-Inf	30.74	3	Horizontal	122	1.25	-	83.75	27.12	3.62	-
PK	2.4846G	58.62	74.00	-15.38	30.92	3	Horizontal	122	1.25	-	27.70	27.26	3.66	-

802.11b_Nss1,(1Mbps)_2TX

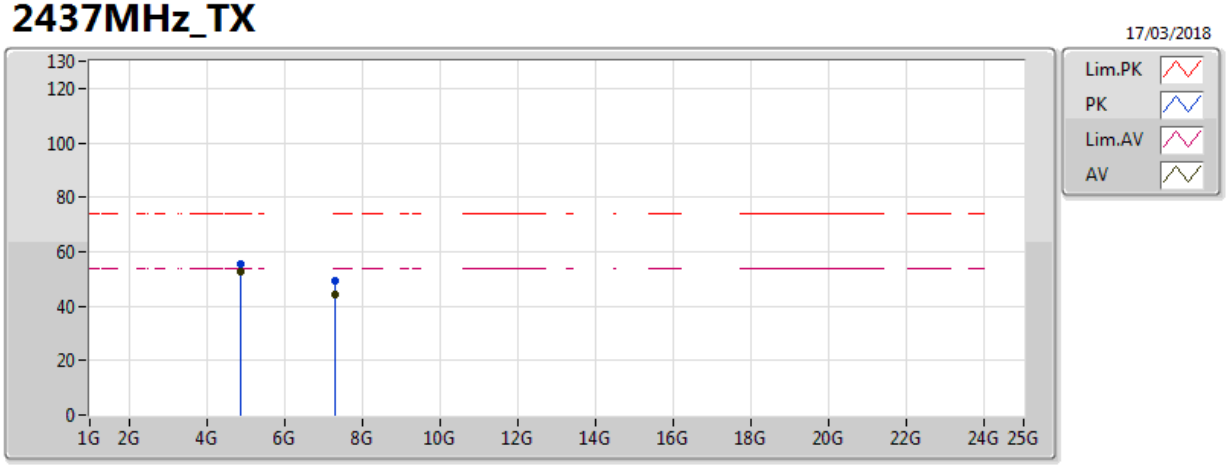
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87388G	53.52	54.00	-0.48	1.34	3	Vertical	12	2.63	-	52.18	31.30	5.24	35.19
AV	7.312G	44.56	54.00	-9.44	7.32	3	Vertical	24	2.89	-	37.24	36.01	6.58	35.27
PK	4.87392G	56.36	74.00	-17.64	1.34	3	Vertical	12	2.63	-	55.02	31.30	5.24	35.19
PK	7.31068G	49.76	74.00	-24.24	7.32	3	Vertical	24	2.89	-	42.44	36.01	6.58	35.27

802.11b_Nss1,(1Mbps)_2TX

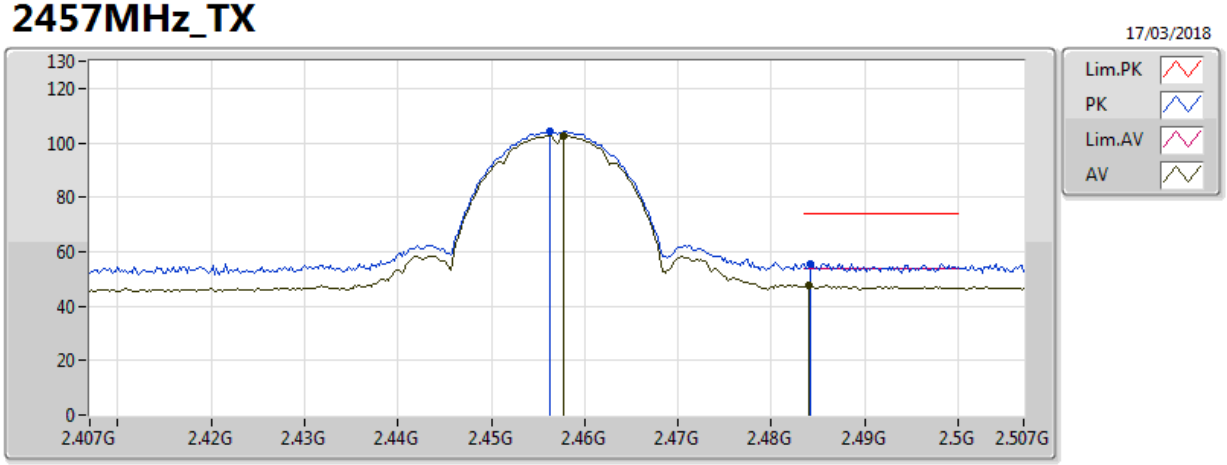
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87396G	52.55	54.00	-1.45	1.34	3	Horizontal	26	1.01	-	51.21	31.30	5.24	35.19
AV	7.31016G	44.09	54.00	-9.91	7.32	3	Horizontal	178	3.11	-	36.77	36.01	6.58	35.27
PK	4.87392G	55.69	74.00	-18.31	1.34	3	Horizontal	26	1.01	-	54.35	31.30	5.24	35.19
PK	7.30988G	49.48	74.00	-24.52	7.31	3	Horizontal	178	3.11	-	42.17	36.01	6.58	35.27

802.11b_Nss1,(1Mbps)_2TX

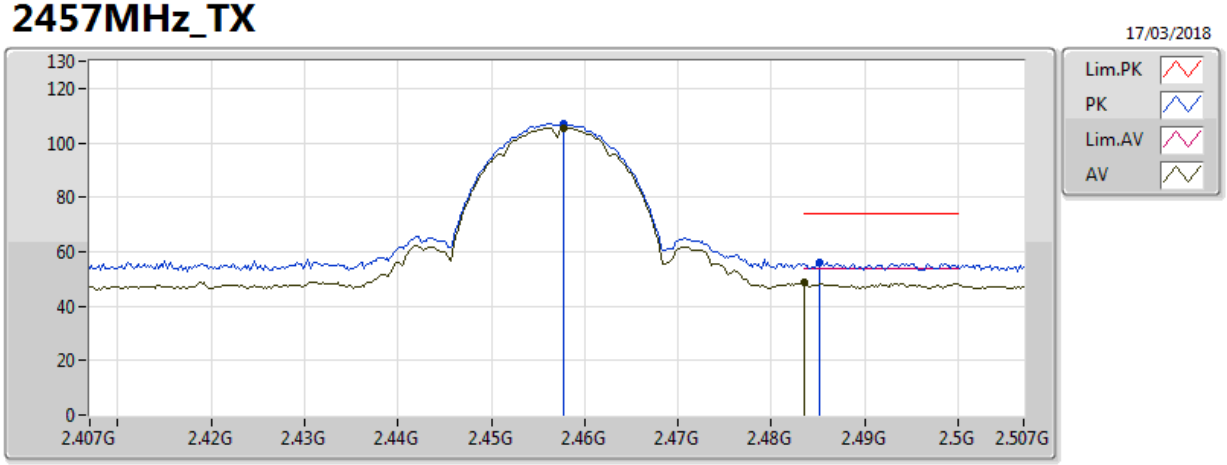
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4578G	102.67	Inf	-Inf	30.82	3	Vertical	28	2.81	-	71.85	27.18	3.64	-
AV	2.484G	47.79	54.00	-6.21	30.92	3	Vertical	28	2.81	-	16.87	27.26	3.66	-
PK	2.4562G	104.30	Inf	-Inf	30.81	3	Vertical	28	2.81	-	73.49	27.18	3.63	-
PK	2.4842G	55.56	74.00	-18.44	30.92	3	Vertical	28	2.81	-	24.64	27.26	3.66	-

802.11b_Nss1,(1Mbps)_2TX

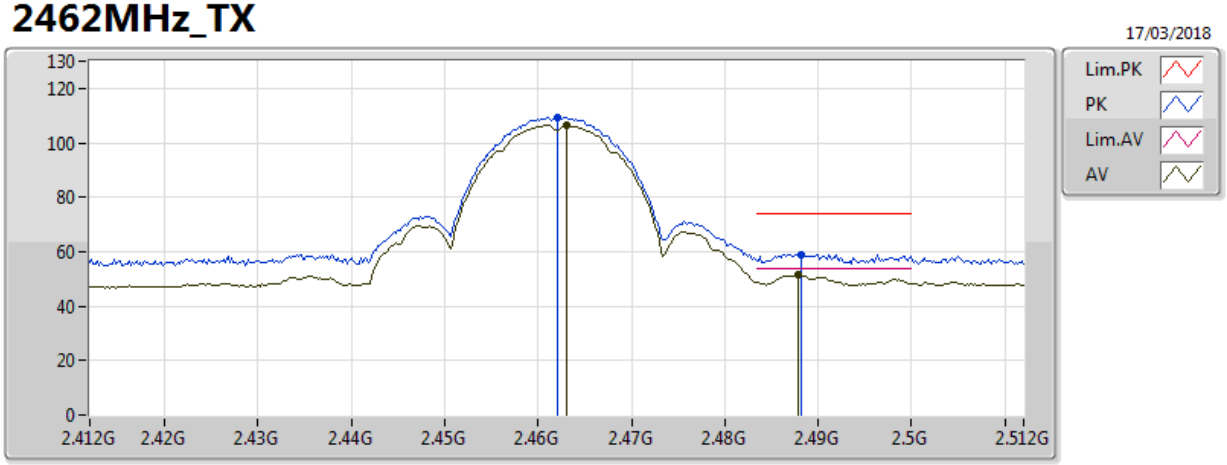
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4578G	105.50	Inf	-Inf	30.82	3	Horizontal	123	1.02	-	74.68	27.18	3.64	-
AV	2.483502G	48.55	54.00	-5.45	30.91	3	Horizontal	123	1.02	-	17.64	27.25	3.66	-
PK	2.4578G	107.05	Inf	-Inf	30.82	3	Horizontal	123	1.02	-	76.23	27.18	3.64	-
PK	2.4852G	56.17	74.00	-17.83	30.92	3	Horizontal	123	1.02	-	25.25	27.26	3.66	-

802.11b_Nss1,(1Mbps)_2TX

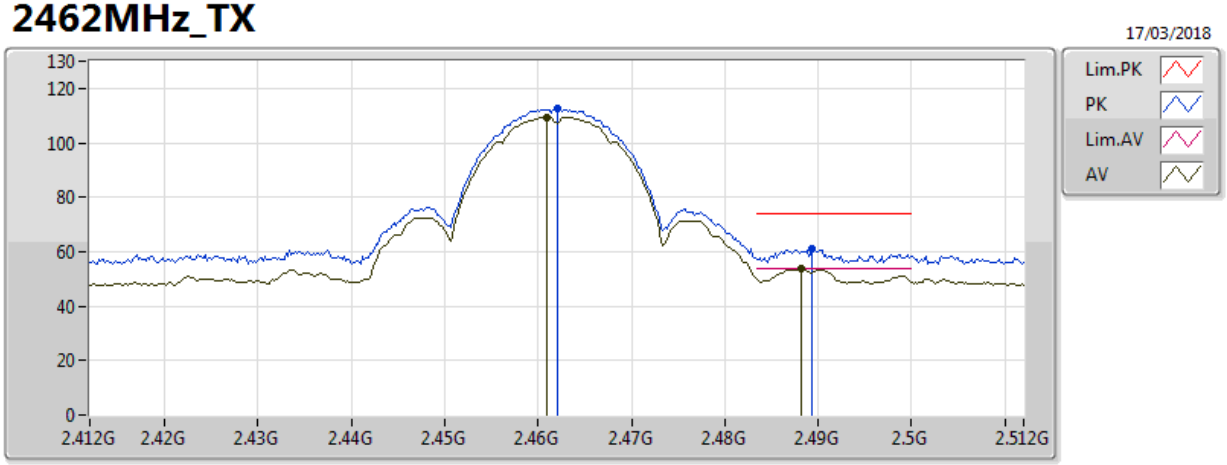
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.463G	106.48	Inf	-Inf	30.84	3	Vertical	37	2.83	-	75.64	27.20	3.64	-
AV	2.4878G	51.46	54.00	-2.54	30.93	3	Vertical	37	2.83	-	20.53	27.27	3.66	-
PK	2.462G	109.21	Inf	-Inf	30.83	3	Vertical	37	2.83	-	78.38	27.19	3.64	-
PK	2.4882G	59.08	74.00	-14.92	30.93	3	Vertical	37	2.83	-	28.15	27.27	3.66	-

802.11b_Nss1,(1Mbps)_2TX

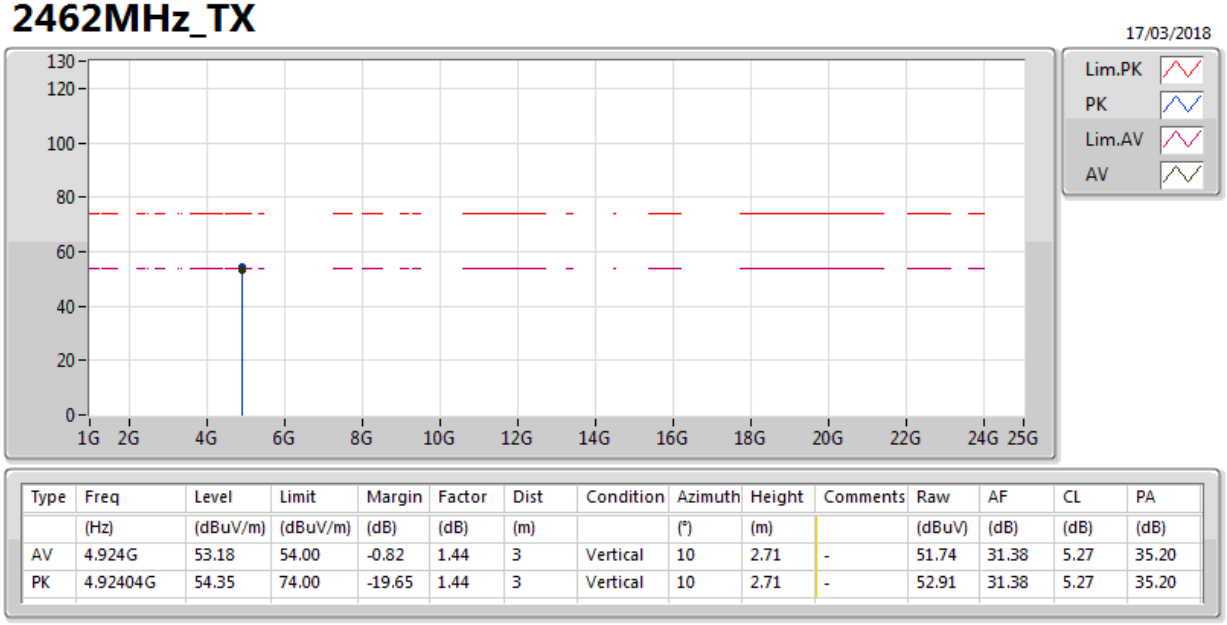
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.461G	109.48	Inf	-Inf	30.83	3	Horizontal	123	1.22	-	78.65	27.19	3.64	-
AV	2.4882G	53.61	54.00	-0.39	30.93	3	Horizontal	123	1.22	-	22.68	27.27	3.66	-
PK	2.462G	112.50	Inf	-Inf	30.83	3	Horizontal	123	1.22	-	81.67	27.19	3.64	-
PK	2.4894G	60.85	74.00	-13.15	30.93	3	Horizontal	123	1.22	-	29.92	27.27	3.66	-

802.11b_Nss1,(1Mbps)_2TX

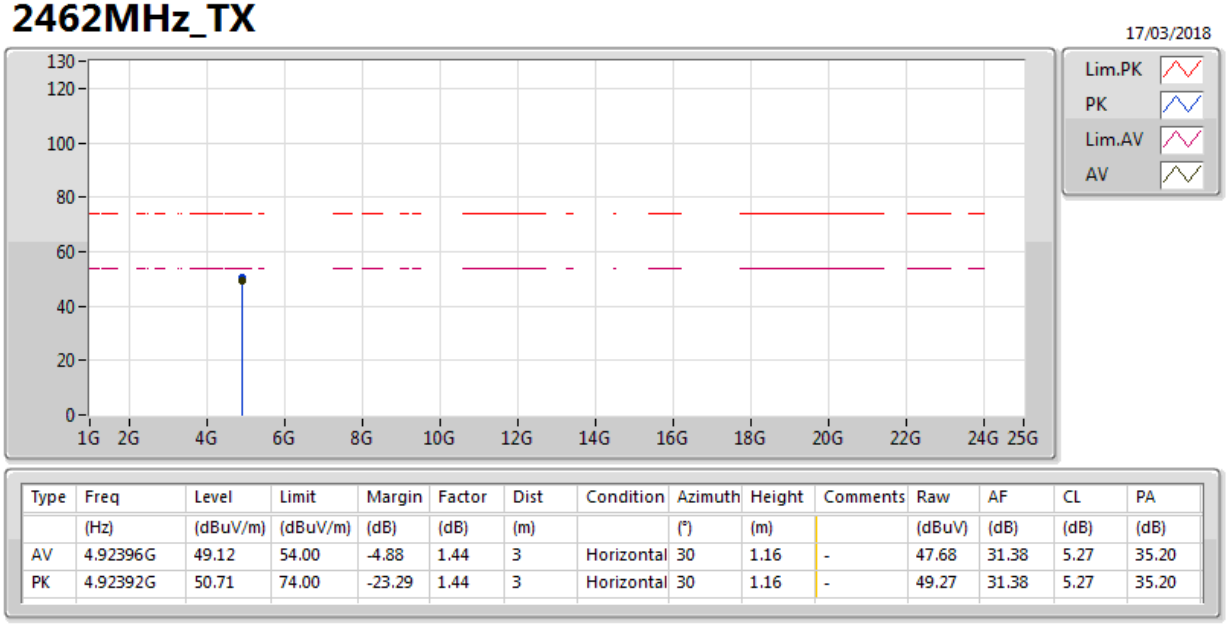
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	53.18	54.00	-0.82	1.44	3	Vertical	10	2.71	-	51.74	31.38	5.27	35.20
PK	4.92404G	54.35	74.00	-19.65	1.44	3	Vertical	10	2.71	-	52.91	31.38	5.27	35.20

802.11b_Nss1,(1Mbps)_2TX

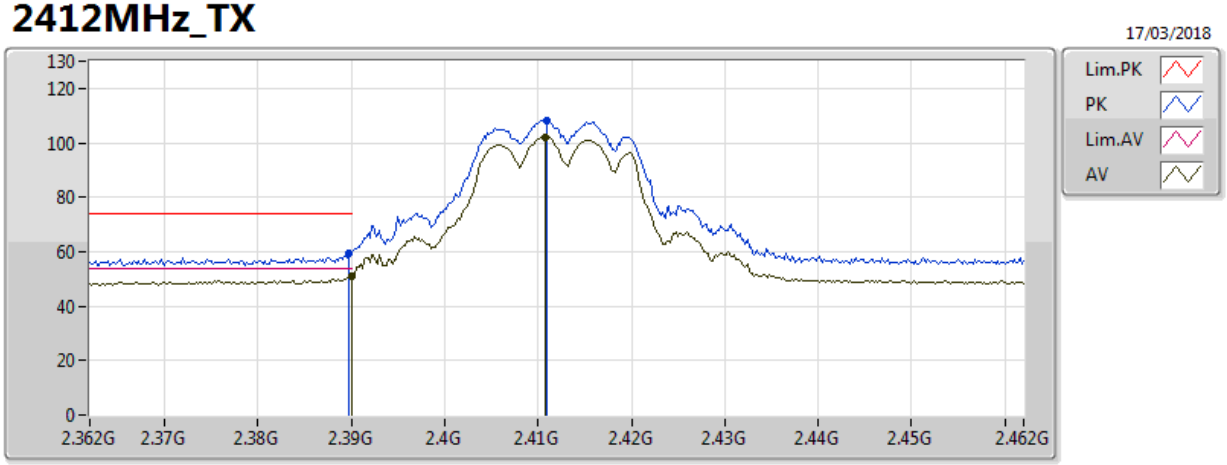
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92396G	49.12	54.00	-4.88	1.44	3	Horizontal	30	1.16	-	47.68	31.38	5.27	35.20
PK	4.92392G	50.71	74.00	-23.29	1.44	3	Horizontal	30	1.16	-	49.27	31.38	5.27	35.20

802.11g_Nss1,(6Mbps)_2TX

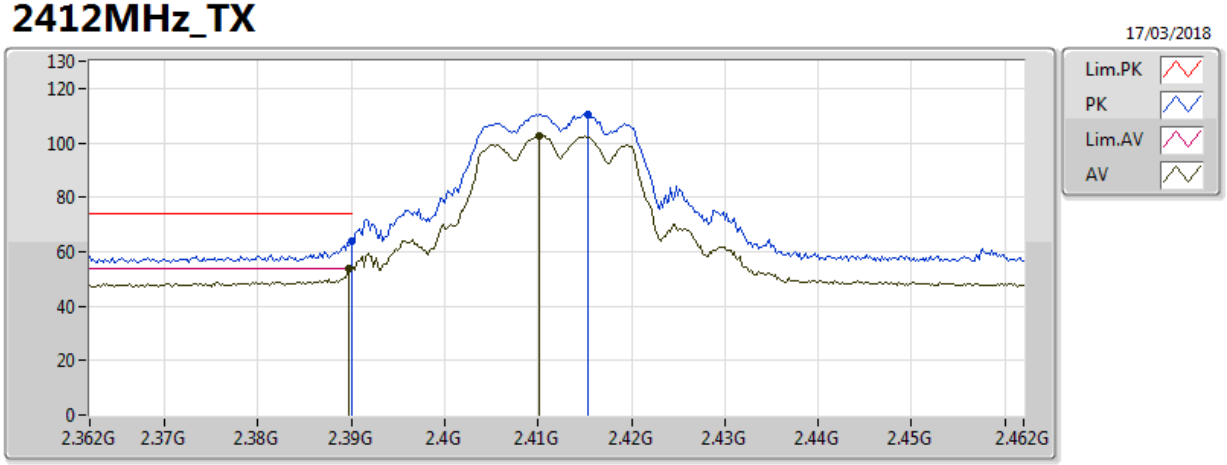
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	51.01	54.00	-2.99	30.58	3	Vertical	109	2.64	-	20.43	26.99	3.59	-
AV	2.4108G	102.23	Inf	-Inf	30.65	3	Vertical	109	2.64	-	71.58	27.05	3.60	-
PK	2.3898G	59.46	74.00	-14.54	30.58	3	Vertical	109	2.64	-	28.88	26.99	3.59	-
PK	2.411G	108.26	Inf	-Inf	30.65	3	Vertical	109	2.64	-	77.61	27.05	3.60	-

802.11g_Nss1,(6Mbps)_2TX

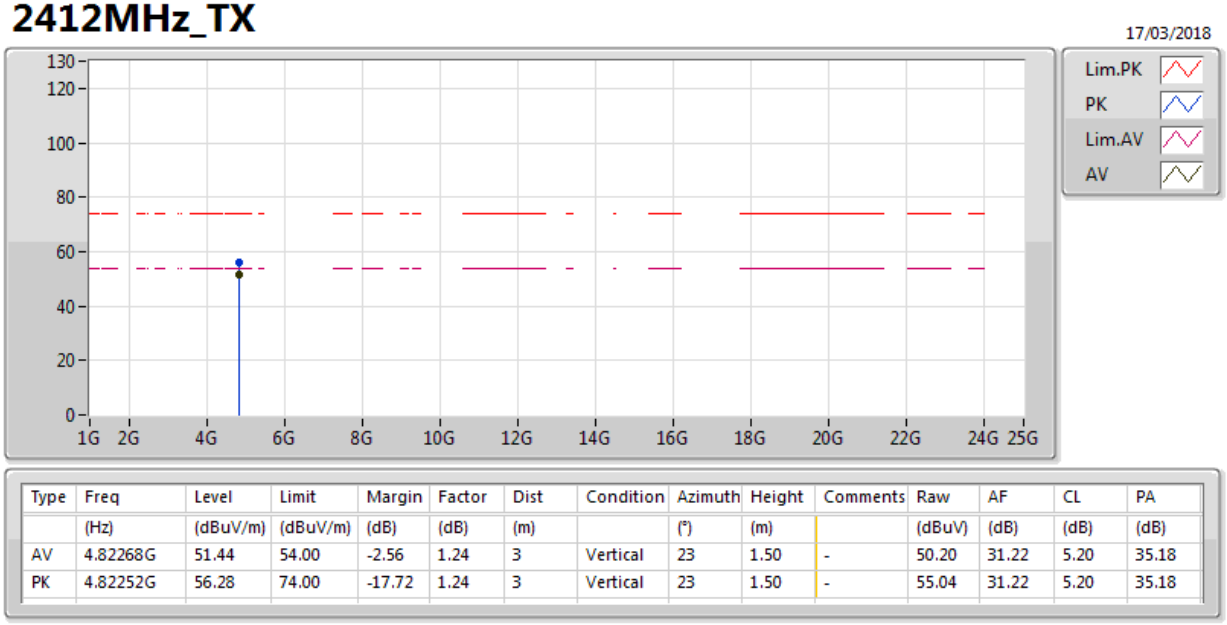
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.54	54.00	-0.46	30.58	3	Horizontal	312	1.01	-	22.96	26.99	3.59	-
AV	2.4102G	102.47	Inf	-Inf	30.65	3	Horizontal	322	1.53	-	71.82	27.05	3.60	-
PK	2.389998G	63.90	74.00	-10.10	30.58	3	Horizontal	312	1.01	-	33.32	26.99	3.59	-
PK	2.4154G	110.62	Inf	-Inf	30.67	3	Horizontal	312	1.01	-	79.95	27.06	3.60	-

802.11g_Nss1,(6Mbps)_2TX

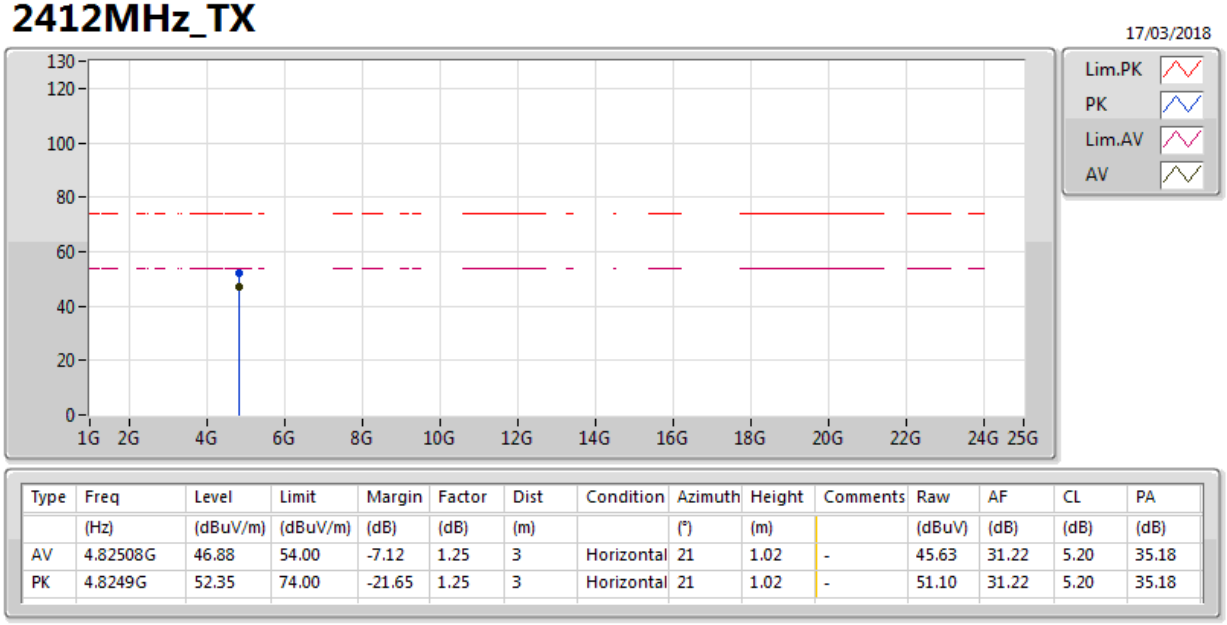
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82268G	51.44	54.00	-2.56	1.24	3	Vertical	23	1.50	-	50.20	31.22	5.20	35.18
PK	4.82252G	56.28	74.00	-17.72	1.24	3	Vertical	23	1.50	-	55.04	31.22	5.20	35.18

802.11g_Nss1,(6Mbps)_2TX

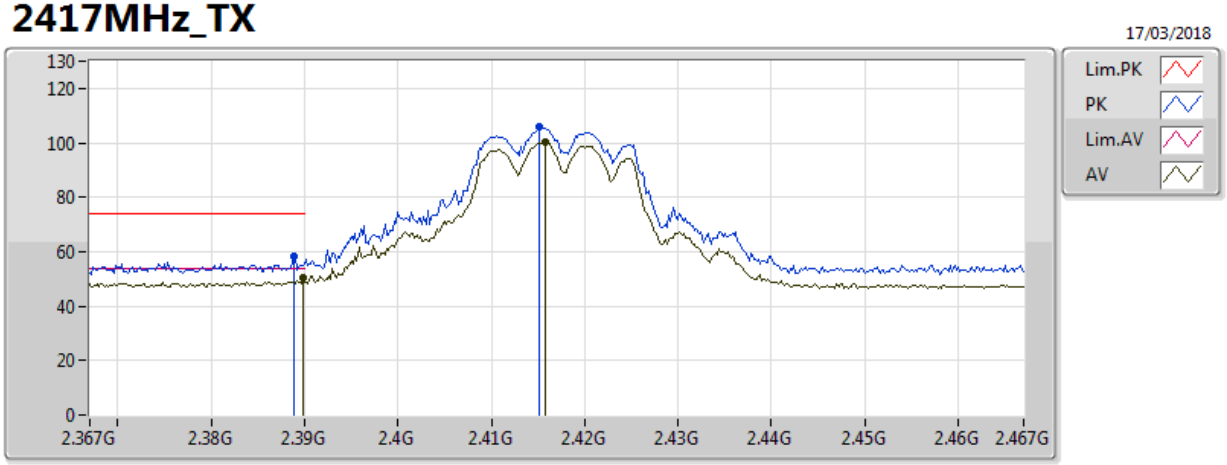
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82508G	46.88	54.00	-7.12	1.25	3	Horizontal	21	1.02	-	45.63	31.22	5.20	35.18
PK	4.8249G	52.35	74.00	-21.65	1.25	3	Horizontal	21	1.02	-	51.10	31.22	5.20	35.18

802.11g_Nss1,(6Mbps)_2TX

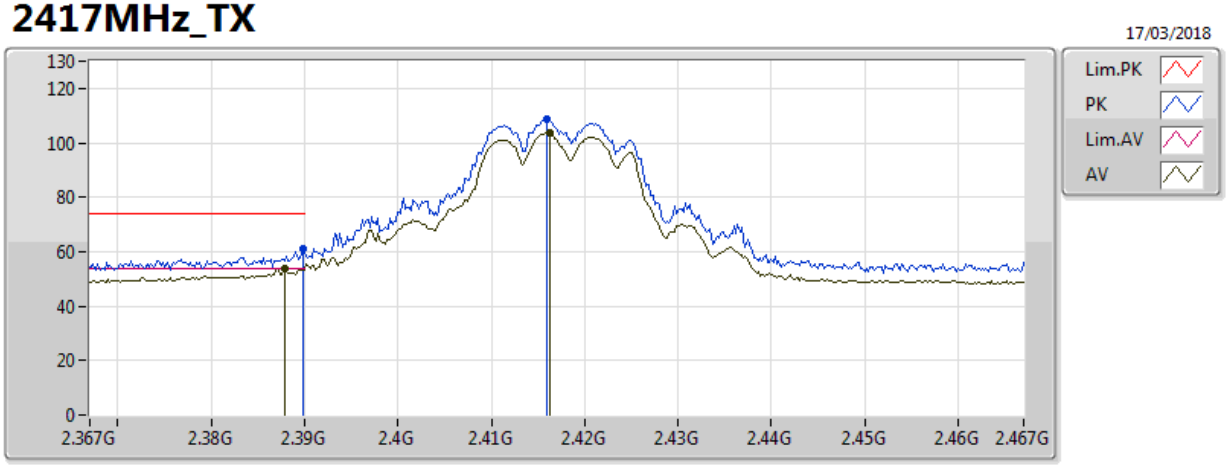
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	50.42	54.00	-3.58	30.57	3	Vertical	89	1.47	-	19.85	26.99	3.58	-
AV	2.4158G	100.04	Inf	-Inf	30.67	3	Vertical	89	1.47	-	69.37	27.06	3.60	-
PK	2.3888G	58.31	74.00	-15.69	30.57	3	Vertical	89	1.47	-	27.74	26.99	3.58	-
PK	2.4152G	105.67	Inf	-Inf	30.66	3	Vertical	89	1.47	-	75.01	27.06	3.60	-

802.11g_Nss1,(6Mbps)_2TX

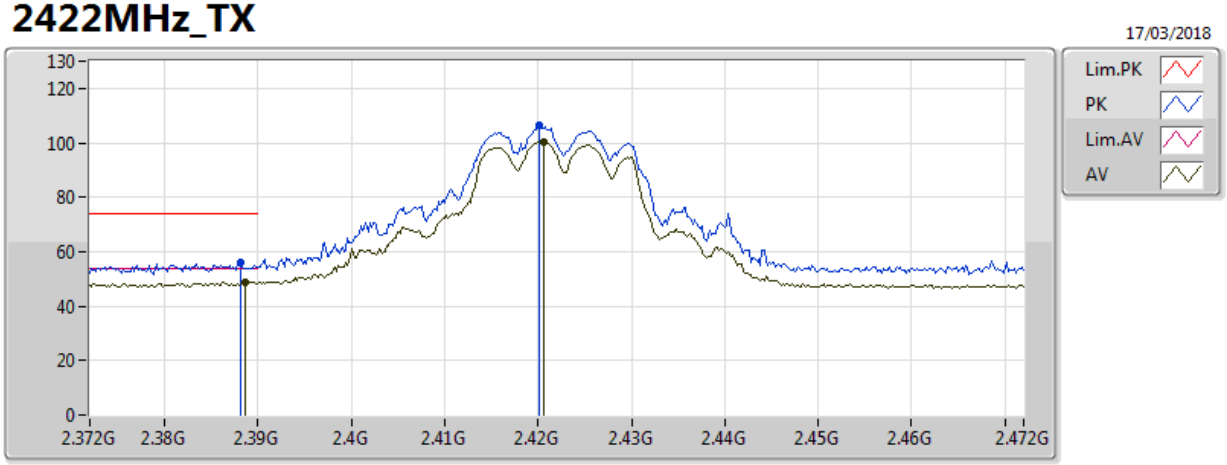
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	53.76	54.00	-0.24	30.57	3	Horizontal	126	1.00	-	23.19	26.99	3.58	-
AV	2.4162G	103.92	Inf	-Inf	30.67	3	Horizontal	126	1.00	-	73.25	27.07	3.60	-
PK	2.3898G	61.00	74.00	-13.00	30.57	3	Horizontal	126	1.00	-	30.43	26.99	3.58	-
PK	2.416G	108.74	Inf	-Inf	30.67	3	Horizontal	126	1.00	-	78.07	27.06	3.60	-

802.11g_Nss1,(6Mbps)_2TX

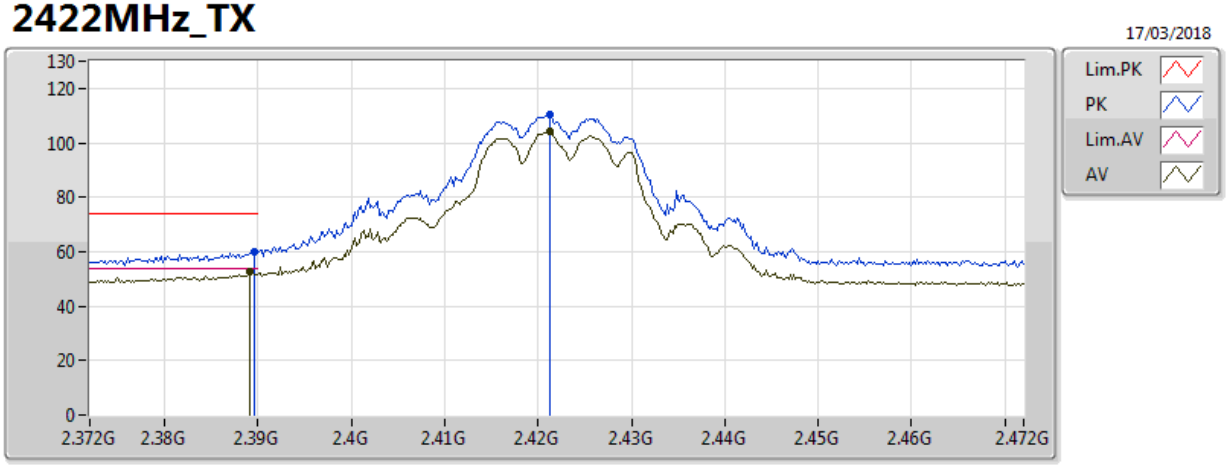
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	48.63	54.00	-5.37	30.57	3	Vertical	90	1.49	-	18.06	26.99	3.58	-
AV	2.4206G	100.48	Inf	-Inf	30.68	3	Vertical	90	1.49	-	69.80	27.08	3.61	-
PK	2.3882G	55.78	74.00	-18.22	30.57	3	Vertical	90	1.49	-	25.21	26.99	3.58	-
PK	2.4202G	106.31	Inf	-Inf	30.68	3	Vertical	90	1.49	-	75.63	27.08	3.61	-

802.11g_Nss1,(6Mbps)_2TX

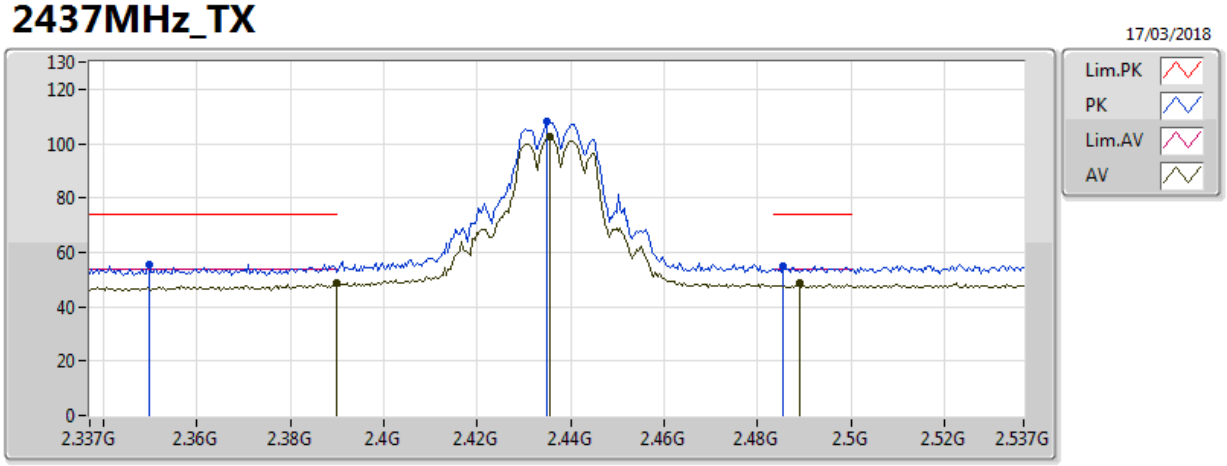
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3892G	52.46	54.00	-1.54	30.57	3	Horizontal	126	1.01	-	21.89	26.99	3.58	-
AV	2.4212G	104.08	Inf	-Inf	30.69	3	Horizontal	126	1.01	-	73.39	27.08	3.61	-
PK	2.3896G	59.97	74.00	-14.03	30.57	3	Horizontal	126	1.01	-	29.40	26.99	3.58	-
PK	2.4212G	110.17	Inf	-Inf	30.69	3	Horizontal	126	1.01	-	79.48	27.08	3.61	-

802.11g_Nss1,(6Mbps)_2TX

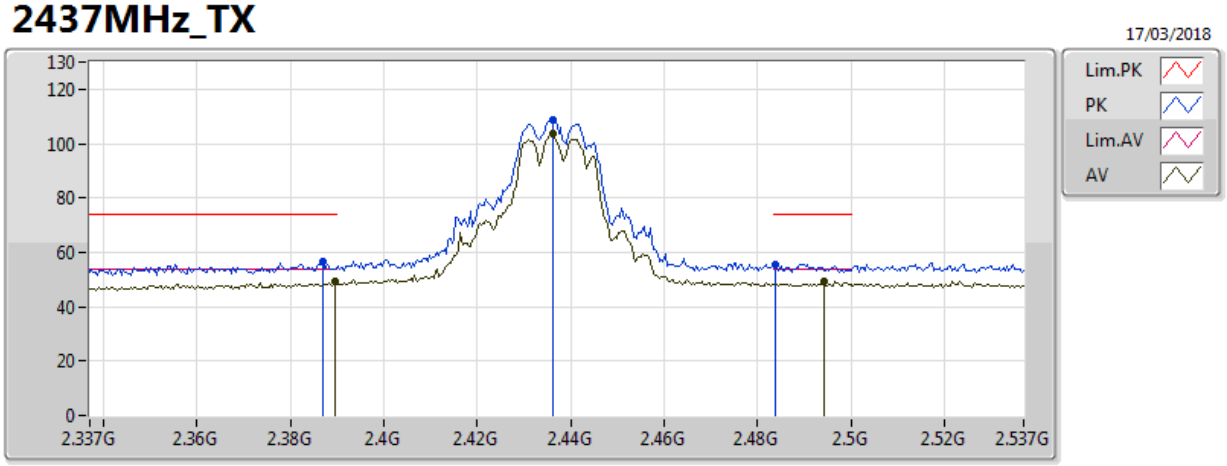
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	49.01	54.00	-4.99	30.57	3	Vertical	116	2.60	-	18.44	26.99	3.58	-
AV	2.4354G	102.46	Inf	-Inf	30.74	3	Vertical	116	2.60	-	71.72	27.12	3.62	-
AV	2.489G	48.62	54.00	-5.38	30.93	3	Vertical	116	2.60	-	17.69	27.27	3.66	-
PK	2.3498G	55.31	74.00	-18.69	30.43	3	Vertical	116	2.60	-	24.88	26.88	3.55	-
PK	2.435G	108.30	Inf	-Inf	30.74	3	Vertical	116	2.60	-	77.56	27.12	3.62	-
PK	2.4854G	54.98	74.00	-19.02	30.92	3	Vertical	116	2.60	-	24.06	27.26	3.66	-

802.11g_Nss1,(6Mbps)_2TX

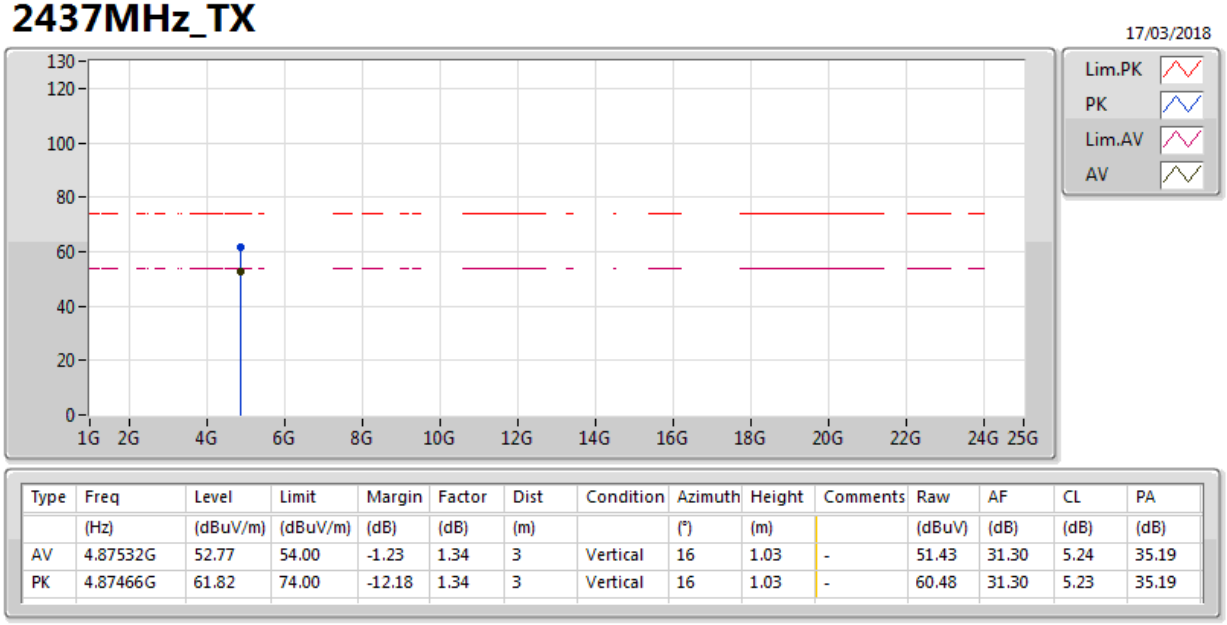
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	49.13	54.00	-4.87	30.57	3	Horizontal	128	1.01	-	18.56	26.99	3.58	-
AV	2.4362G	103.46	Inf	-Inf	30.74	3	Horizontal	128	1.01	-	72.72	27.12	3.62	-
AV	2.4942G	49.48	54.00	-4.52	30.95	3	Horizontal	128	1.01	-	18.53	27.28	3.67	-
PK	2.387G	56.39	74.00	-17.61	30.56	3	Horizontal	128	1.01	-	25.83	26.98	3.58	-
PK	2.4362G	108.77	Inf	-Inf	30.74	3	Horizontal	128	1.01	-	78.03	27.12	3.62	-
PK	2.4838G	55.68	74.00	-18.32	30.91	3	Horizontal	128	1.01	-	24.77	27.25	3.66	-

802.11g_Nss1,(6Mbps)_2TX

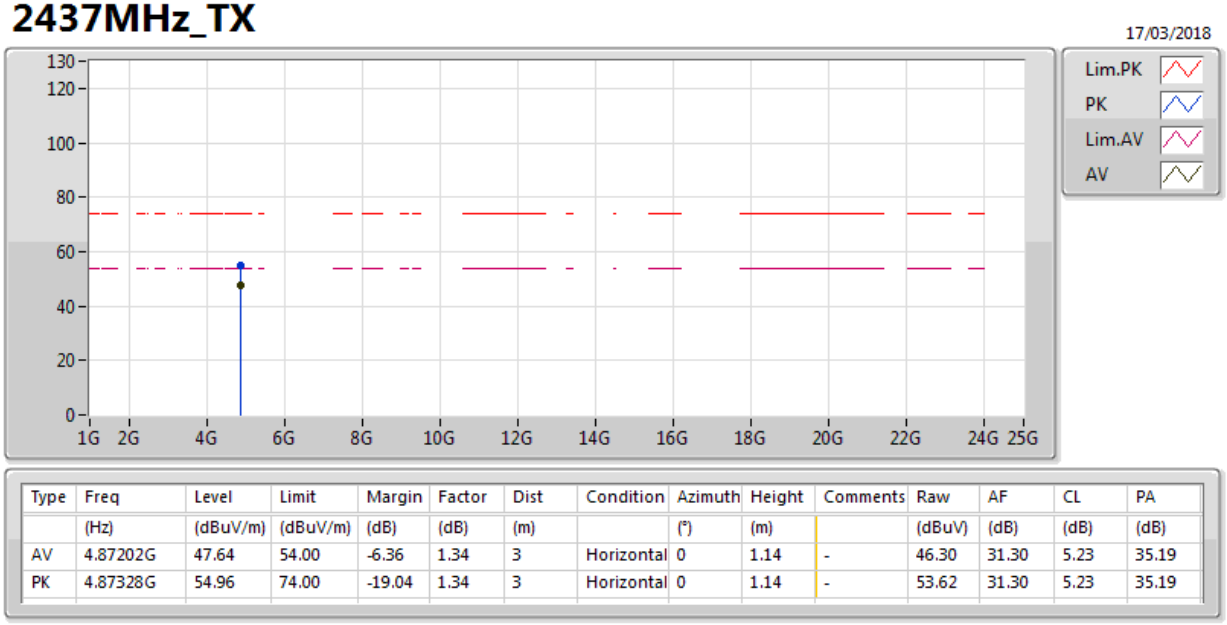
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87532G	52.77	54.00	-1.23	1.34	3	Vertical	16	1.03	-	51.43	31.30	5.24	35.19
PK	4.87466G	61.82	74.00	-12.18	1.34	3	Vertical	16	1.03	-	60.48	31.30	5.23	35.19

802.11g_Nss1,(6Mbps)_2TX

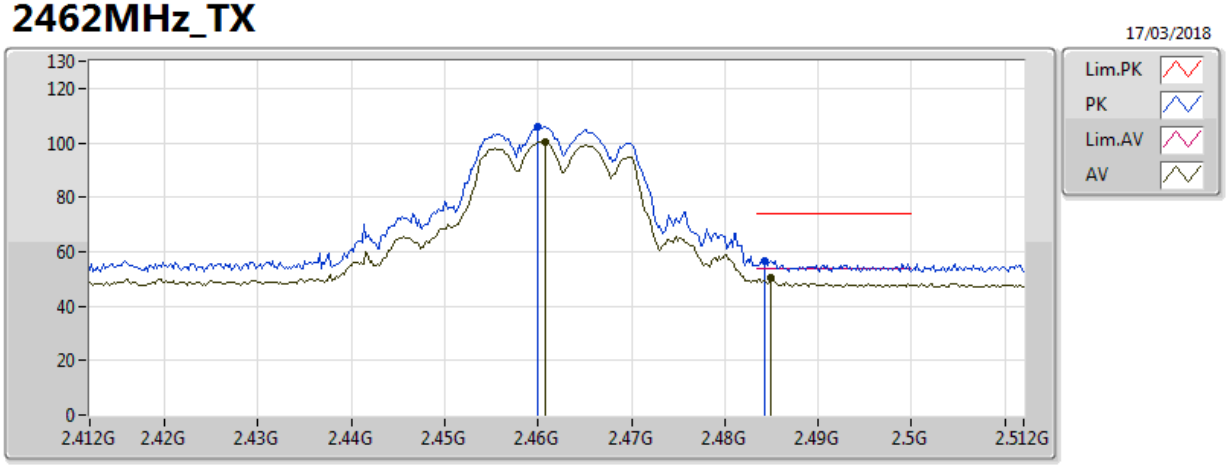
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87202G	47.64	54.00	-6.36	1.34	3	Horizontal	0	1.14	-	46.30	31.30	5.23	35.19
PK	4.87328G	54.96	74.00	-19.04	1.34	3	Horizontal	0	1.14	-	53.62	31.30	5.23	35.19

802.11g_Nss1,(6Mbps)_2TX

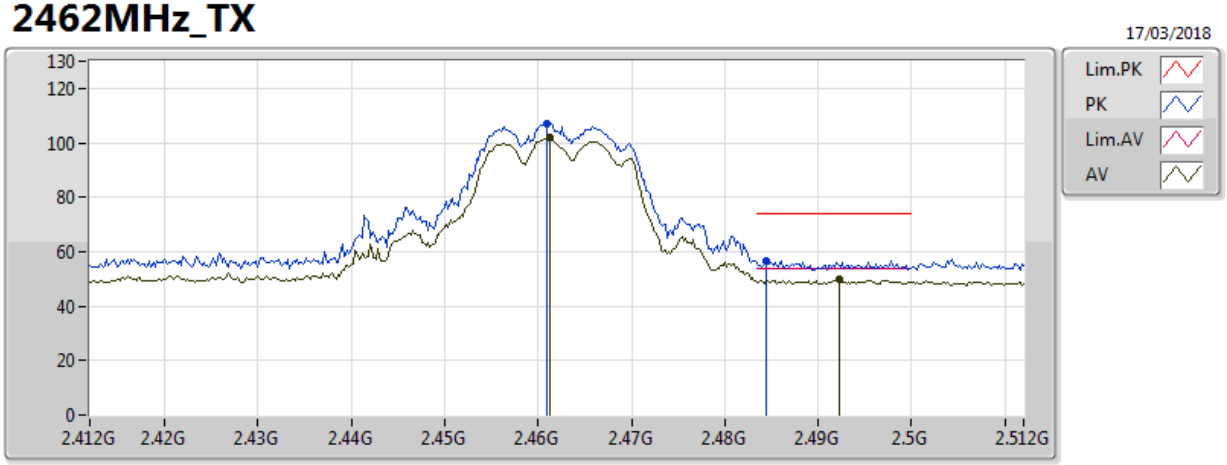
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4608G	100.56	Inf	-Inf	30.83	3	Vertical	114	2.91	-	69.73	27.19	3.64	-
AV	2.485G	50.38	54.00	-3.62	30.92	3	Vertical	114	2.91	-	19.46	27.26	3.66	-
PK	2.46G	106.03	Inf	-Inf	30.83	3	Vertical	114	2.91	-	75.20	27.19	3.64	-
PK	2.4842G	56.87	74.00	-17.13	30.92	3	Vertical	114	2.91	-	25.95	27.26	3.66	-

802.11g_Nss1,(6Mbps)_2TX

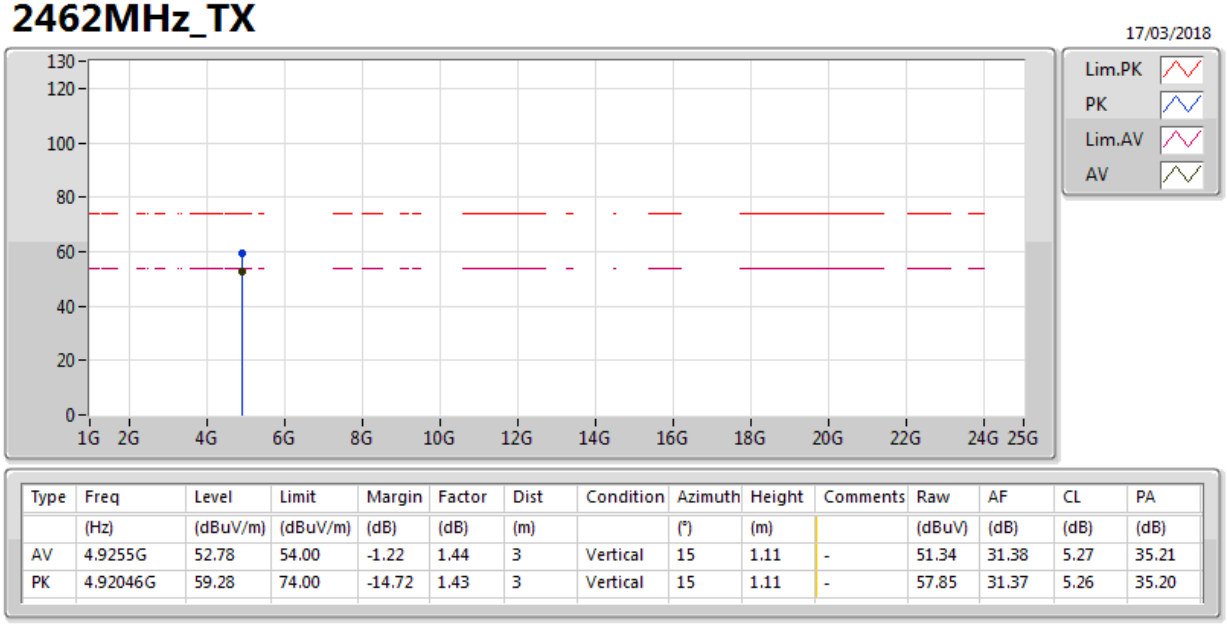
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	102.15	Inf	-Inf	30.83	3	Horizontal	127	1.01	-	71.32	27.19	3.64	-
AV	2.4922G	49.65	54.00	-4.35	30.94	3	Horizontal	127	1.01	-	18.71	27.28	3.66	-
PK	2.461G	107.30	Inf	-Inf	30.83	3	Horizontal	127	1.01	-	76.47	27.19	3.64	-
PK	2.4844G	56.76	74.00	-17.24	30.92	3	Horizontal	127	1.01	-	25.84	27.26	3.66	-

802.11g_Nss1,(6Mbps)_2TX

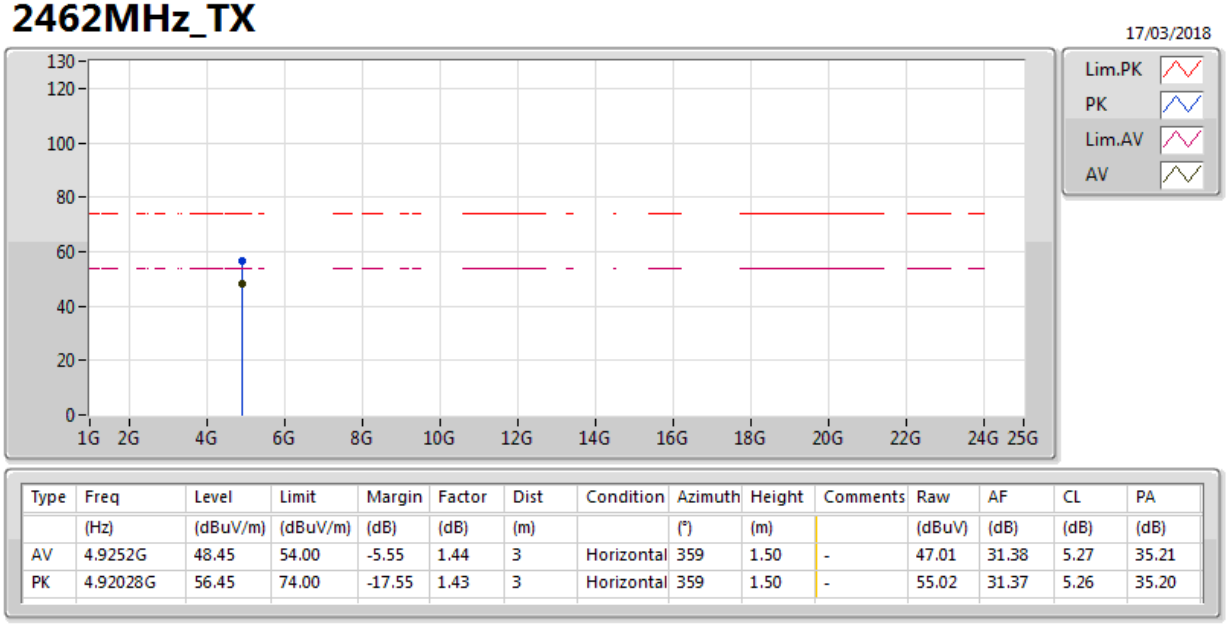
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9255G	52.78	54.00	-1.22	1.44	3	Vertical	15	1.11	-	51.34	31.38	5.27	35.21
PK	4.92046G	59.28	74.00	-14.72	1.43	3	Vertical	15	1.11	-	57.85	31.37	5.26	35.20

802.11g_Nss1,(6Mbps)_2TX

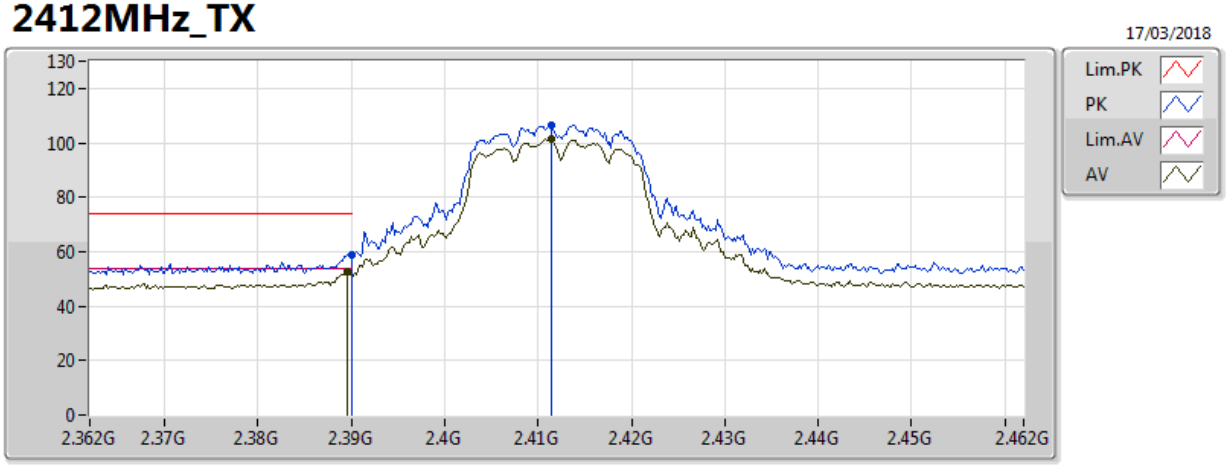
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9252G	48.45	54.00	-5.55	1.44	3	Horizontal	359	1.50	-	47.01	31.38	5.27	35.21
PK	4.92028G	56.45	74.00	-17.55	1.43	3	Horizontal	359	1.50	-	55.02	31.37	5.26	35.20

802.11n HT20_Nss1,(MCS0)_2TX

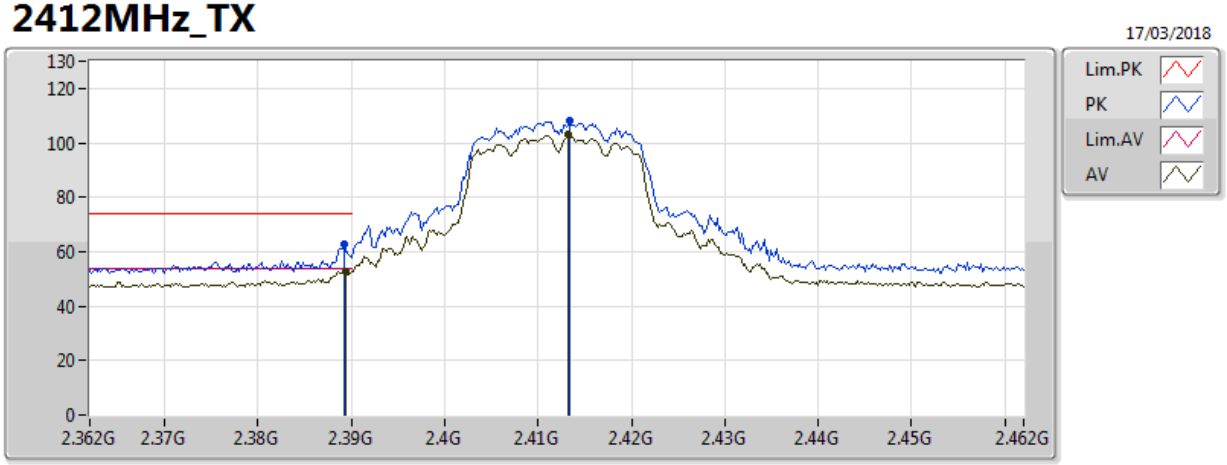
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	52.46	54.00	-1.54	30.57	3	Vertical	112	2.66	-	21.89	26.99	3.58	-
AV	2.4114G	101.37	Inf	-Inf	30.65	3	Vertical	112	2.66	-	70.72	27.05	3.60	-
PK	2.389998G	58.80	74.00	-15.20	30.57	3	Vertical	112	2.66	-	28.23	26.99	3.58	-
PK	2.4114G	106.45	Inf	-Inf	30.65	3	Vertical	112	2.66	-	75.80	27.05	3.60	-

802.11n HT20_Nss1,(MCS0)_2TX

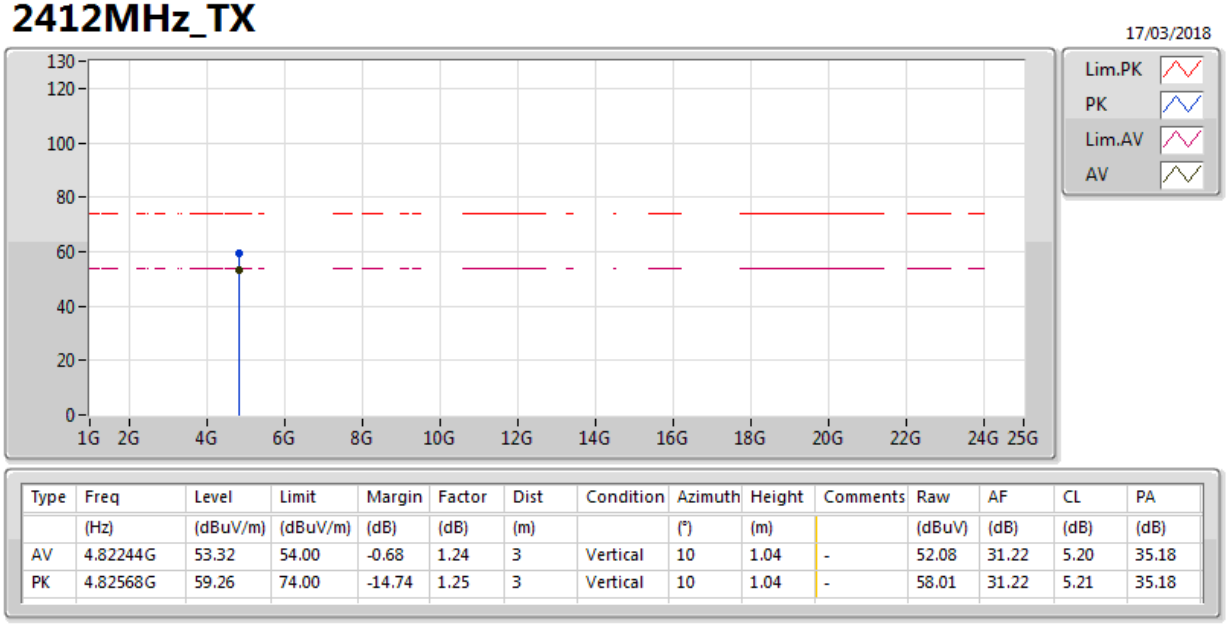
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	52.55	54.00	-1.45	30.57	3	Horizontal	308	1.01	-	21.98	26.99	3.58	-
AV	2.4132G	102.84	Inf	-Inf	30.66	3	Horizontal	308	1.01	-	72.18	27.06	3.60	-
PK	2.3892G	62.73	74.00	-11.27	30.57	3	Horizontal	308	1.01	-	32.16	26.99	3.58	-
PK	2.4134G	107.89	Inf	-Inf	30.66	3	Horizontal	308	1.01	-	77.23	27.06	3.60	-

802.11n HT20_Nss1,(MCS0)_2TX

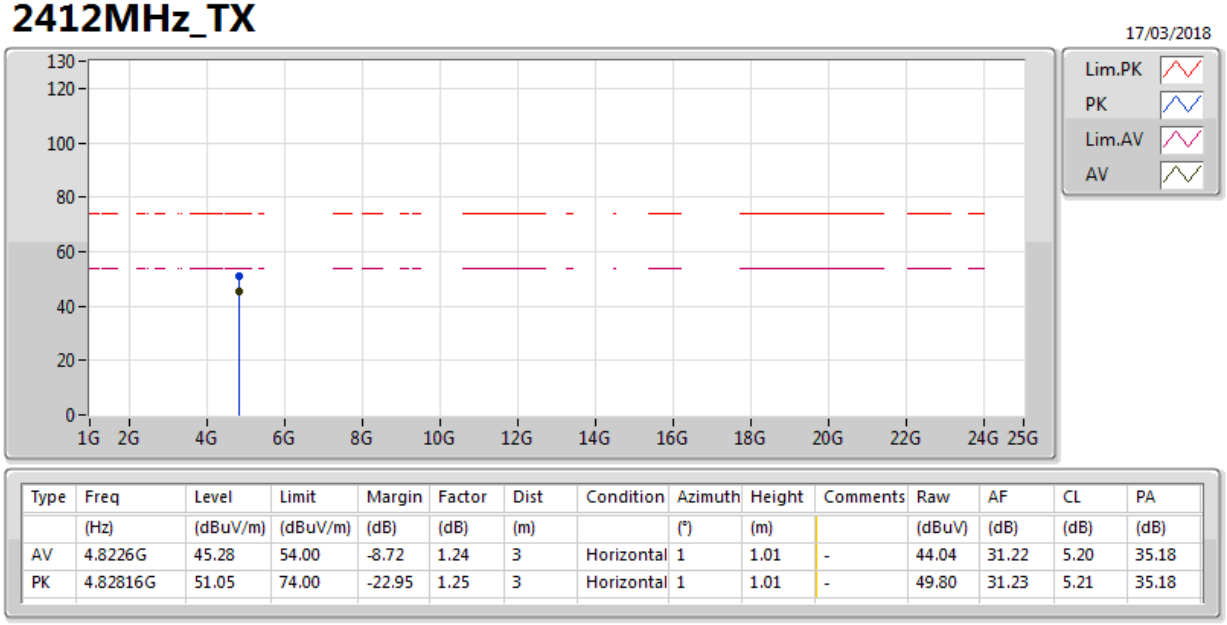
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82244G	53.32	54.00	-0.68	1.24	3	Vertical	10	1.04	-	52.08	31.22	5.20	35.18
PK	4.82568G	59.26	74.00	-14.74	1.25	3	Vertical	10	1.04	-	58.01	31.22	5.21	35.18

802.11n HT20_Nss1,(MCS0)_2TX

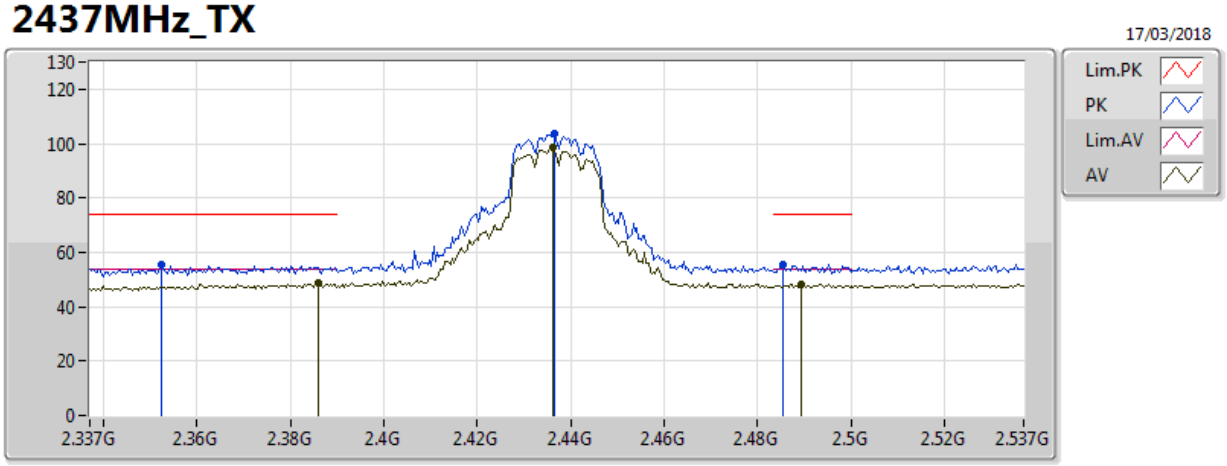
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8226G	45.28	54.00	-8.72	1.24	3	Horizontal	1	1.01	-	44.04	31.22	5.20	35.18
PK	4.82816G	51.05	74.00	-22.95	1.25	3	Horizontal	1	1.01	-	49.80	31.23	5.21	35.18

802.11n HT20_Nss1,(MCS0)_2TX

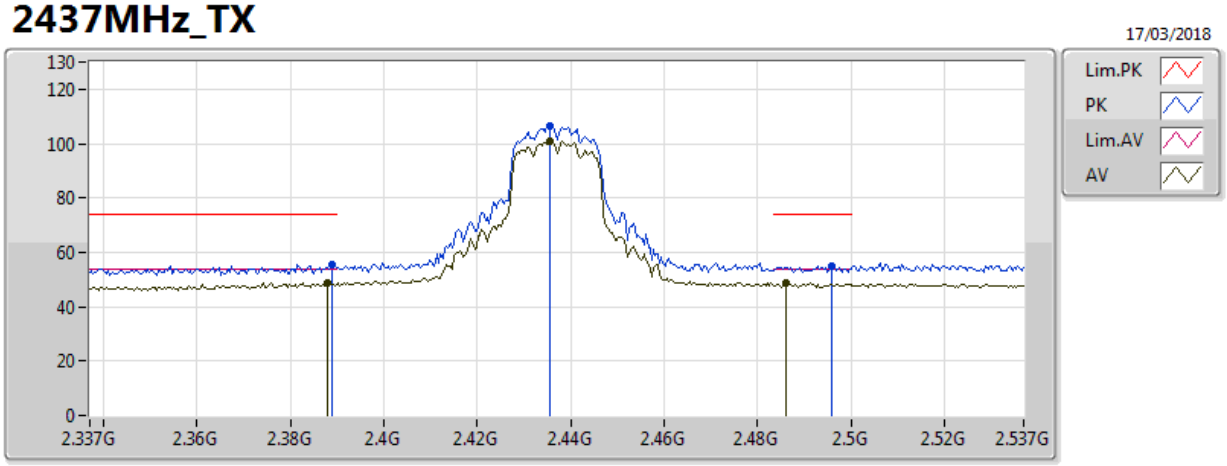
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3858G	48.63	54.00	-5.37	30.56	3	Vertical	115	2.77	-	18.07	26.98	3.58	-
AV	2.4362G	98.62	Inf	-Inf	30.74	3	Vertical	115	2.77	-	67.88	27.12	3.62	-
AV	2.4894G	48.17	54.00	-5.83	30.93	3	Vertical	115	2.77	-	17.24	27.27	3.66	-
PK	2.3522G	55.20	74.00	-18.80	30.45	3	Vertical	115	2.77	-	24.75	26.89	3.56	-
PK	2.4366G	103.51	Inf	-Inf	30.74	3	Vertical	115	2.77	-	72.77	27.12	3.62	-
PK	2.4854G	55.62	74.00	-18.38	30.92	3	Vertical	115	2.77	-	24.70	27.26	3.66	-

802.11n HT20_Nss1,(MCS0)_2TX

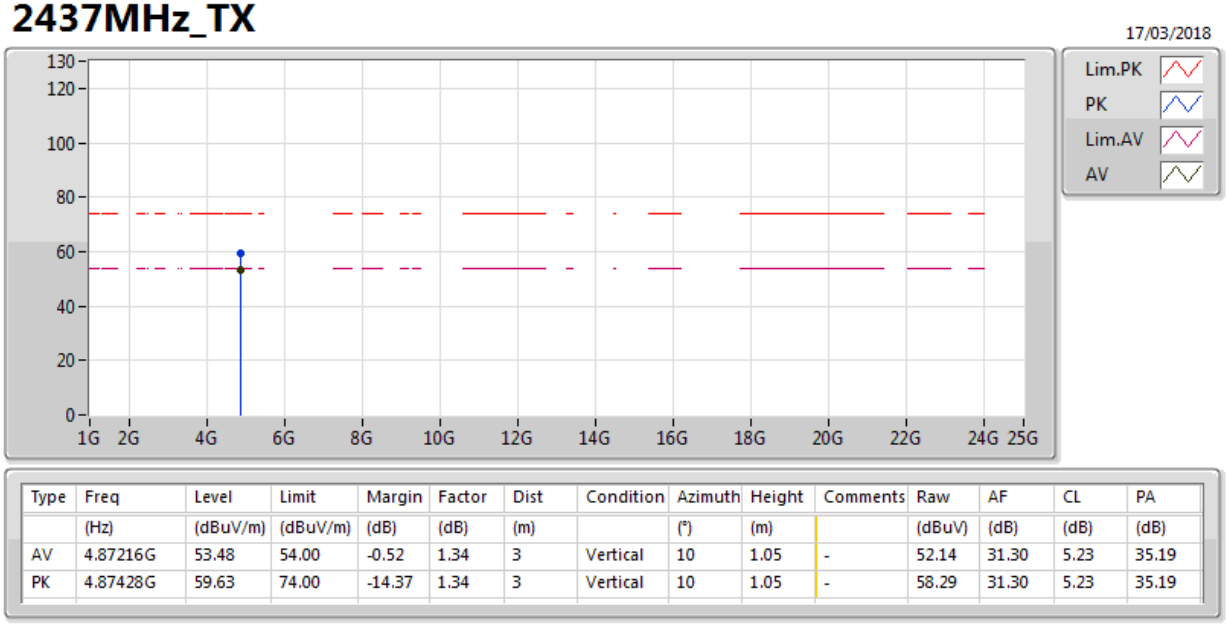
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	48.91	54.00	-5.09	30.57	3	Horizontal	311	2.81	-	18.34	26.99	3.58	-
AV	2.4354G	101.04	Inf	-Inf	30.74	3	Horizontal	311	2.81	-	70.30	27.12	3.62	-
AV	2.4862G	48.53	54.00	-5.47	30.92	3	Horizontal	311	2.81	-	17.61	27.26	3.66	-
PK	2.389G	55.54	74.00	-18.46	30.57	3	Horizontal	311	2.81	-	24.97	26.99	3.58	-
PK	2.4354G	106.66	Inf	-Inf	30.74	3	Horizontal	311	2.81	-	75.92	27.12	3.62	-
PK	2.4958G	54.95	74.00	-19.05	30.96	3	Horizontal	311	2.81	-	23.99	27.29	3.67	-

802.11n HT20_Nss1,(MCS0)_2TX

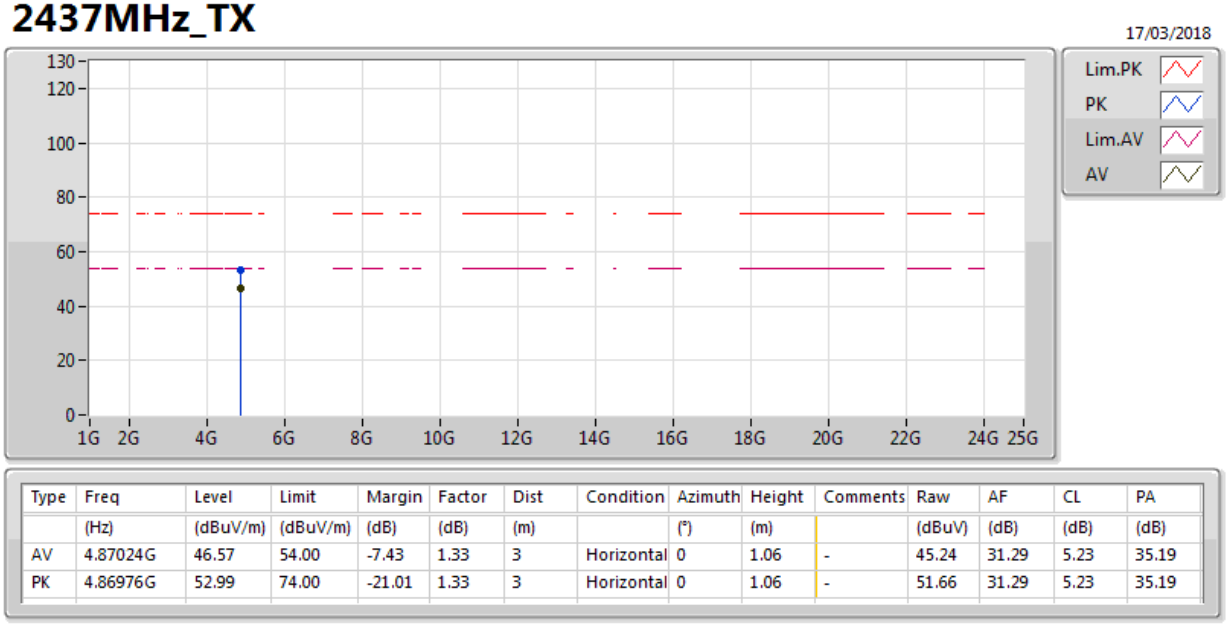
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87216G	53.48	54.00	-0.52	1.34	3	Vertical	10	1.05	-	52.14	31.30	5.23	35.19
PK	4.87428G	59.63	74.00	-14.37	1.34	3	Vertical	10	1.05	-	58.29	31.30	5.23	35.19

802.11n HT20_Nss1,(MCS0)_2TX

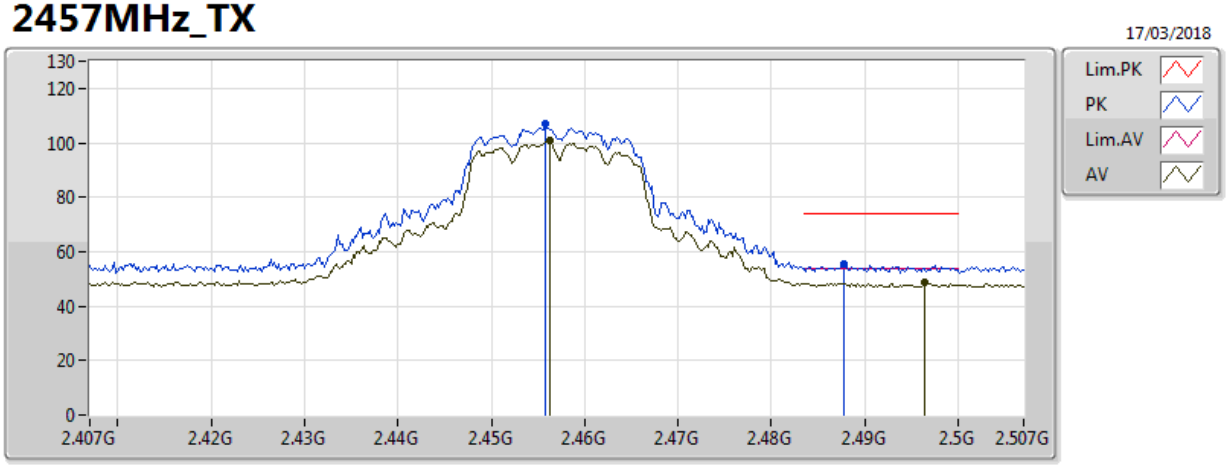
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87024G	46.57	54.00	-7.43	1.33	3	Horizontal	0	1.06	-	45.24	31.29	5.23	35.19
PK	4.86976G	52.99	74.00	-21.01	1.33	3	Horizontal	0	1.06	-	51.66	31.29	5.23	35.19

802.11n HT20_Nss1,(MCS0)_2TX

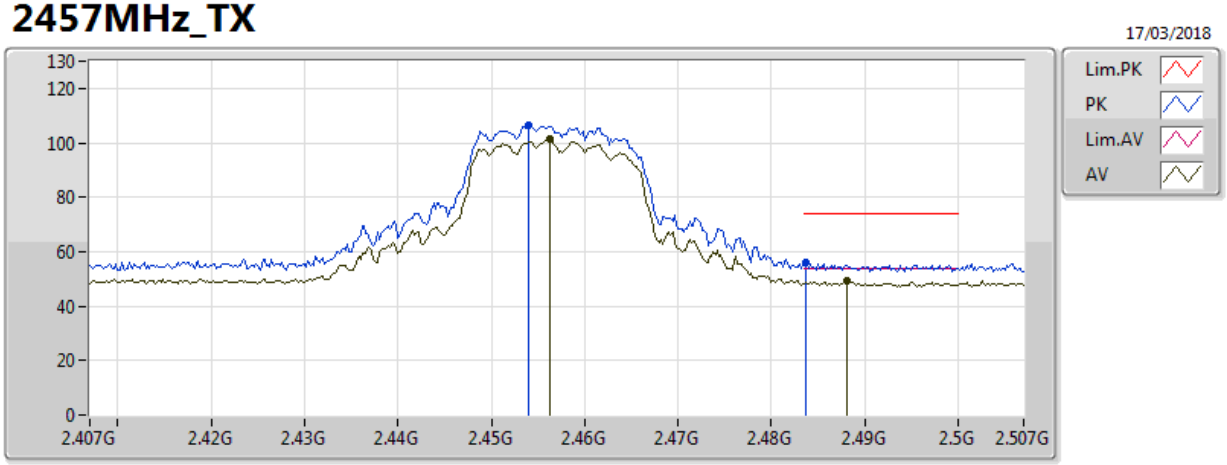
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	100.61	Inf	-Inf	30.81	3	Vertical	118	2.89	-	69.80	27.18	3.63	-
AV	2.4964G	48.53	54.00	-5.47	30.96	3	Vertical	118	2.89	-	17.57	27.29	3.67	-
PK	2.4558G	106.95	Inf	-Inf	30.81	3	Vertical	118	2.89	-	76.14	27.18	3.63	-
PK	2.4878G	55.58	74.00	-18.42	30.93	3	Vertical	118	2.89	-	24.65	27.27	3.66	-

802.11n HT20_Nss1,(MCS0)_2TX

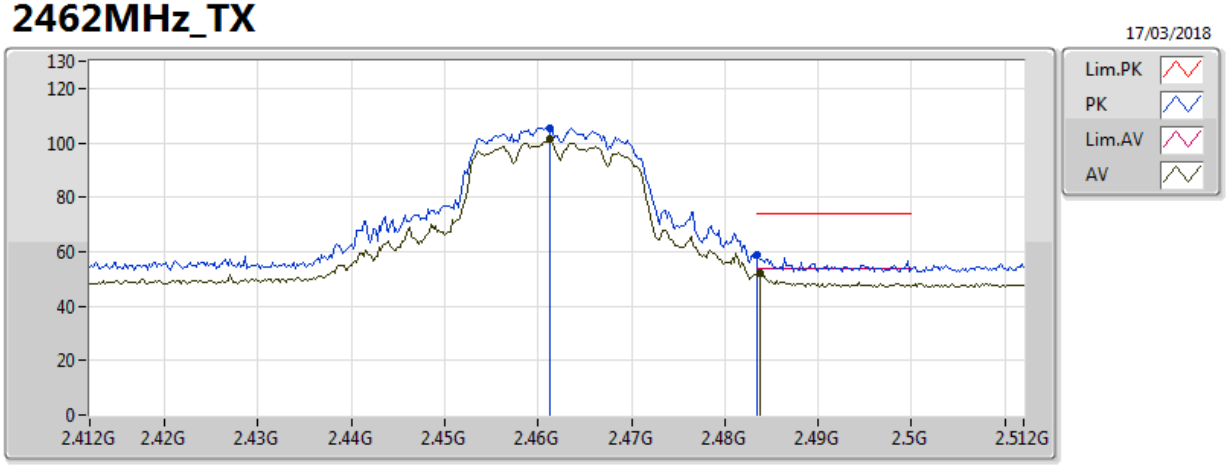
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	101.70	Inf	-Inf	30.81	3	Horizontal	142	1.34	-	70.89	27.18	3.63	-
AV	2.488G	49.17	54.00	-4.83	30.93	3	Horizontal	142	1.34	-	18.24	27.27	3.66	-
PK	2.454G	106.45	Inf	-Inf	30.80	3	Horizontal	142	1.34	-	75.65	27.17	3.63	-
PK	2.4836G	55.79	74.00	-18.21	30.91	3	Horizontal	142	1.34	-	24.88	27.25	3.66	-

802.11n HT20_Nss1,(MCS0)_2TX

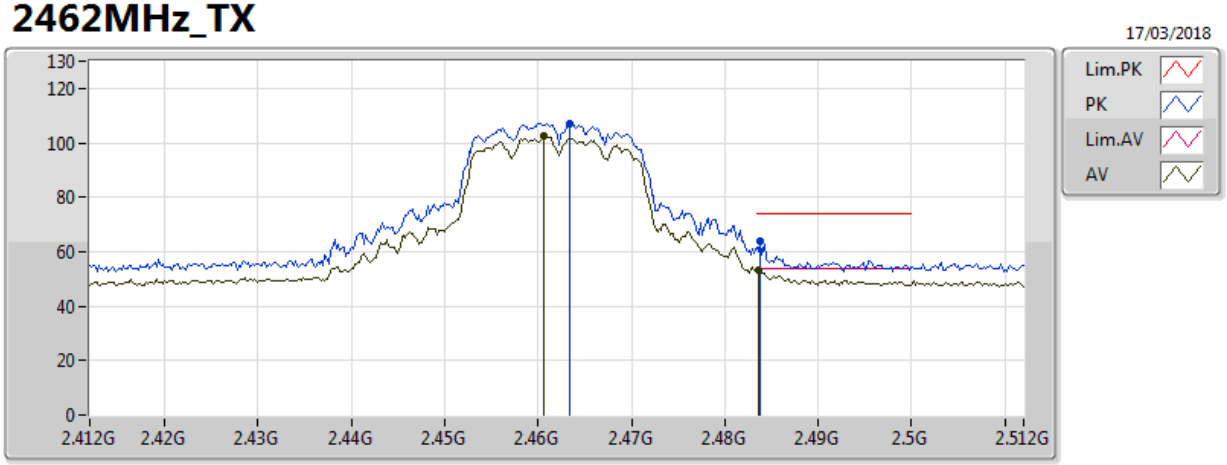
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	101.18	Inf	-Inf	30.83	3	Vertical	117	2.89	-	70.35	27.19	3.64	-
AV	2.4838G	52.03	54.00	-1.97	30.91	3	Vertical	117	2.89	-	21.12	27.25	3.66	-
PK	2.4612G	105.55	Inf	-Inf	30.83	3	Vertical	117	2.89	-	74.72	27.19	3.64	-
PK	2.483502G	58.84	74.00	-15.16	30.91	3	Vertical	117	2.89	-	27.93	27.25	3.66	-

802.11n HT20_Nss1,(MCS0)_2TX

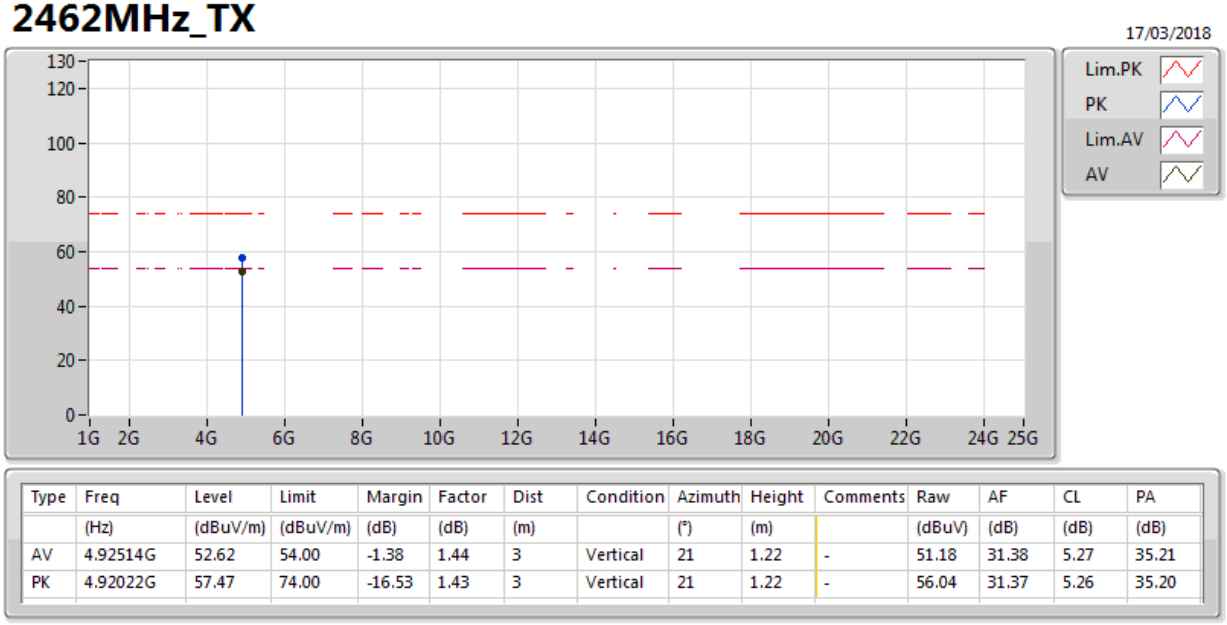
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4606G	102.61	Inf	-Inf	30.83	3	Horizontal	307	2.75	-	71.78	27.19	3.64	-
AV	2.4836G	53.38	54.00	-0.62	30.91	3	Horizontal	307	2.75	-	22.47	27.25	3.66	-
PK	2.4634G	106.92	Inf	-Inf	30.84	3	Horizontal	307	2.75	-	76.08	27.20	3.64	-
PK	2.4838G	64.12	74.00	-9.88	30.91	3	Horizontal	307	2.75	-	33.21	27.25	3.66	-

802.11n HT20_Nss1,(MCS0)_2TX

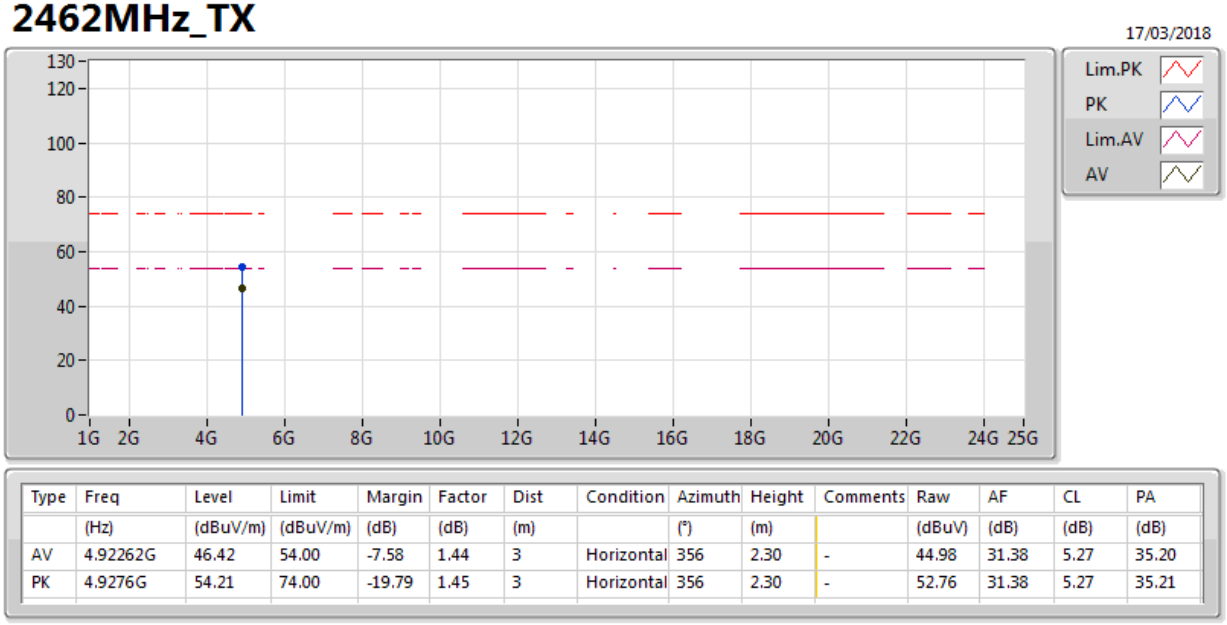
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92514G	52.62	54.00	-1.38	1.44	3	Vertical	21	1.22	-	51.18	31.38	5.27	35.21
PK	4.92022G	57.47	74.00	-16.53	1.43	3	Vertical	21	1.22	-	56.04	31.37	5.26	35.20

802.11n HT20_Nss1,(MCS0)_2TX

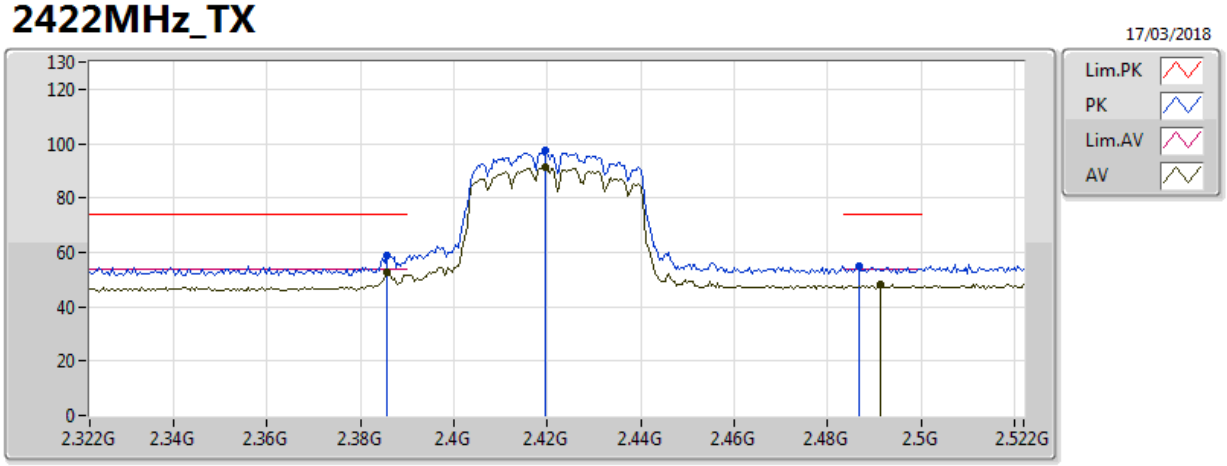
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92262G	46.42	54.00	-7.58	1.44	3	Horizontal	356	2.30	-	44.98	31.38	5.27	35.20
PK	4.9276G	54.21	74.00	-19.79	1.45	3	Horizontal	356	2.30	-	52.76	31.38	5.27	35.21

802.11n HT40_Nss1,(MCS0)_2TX

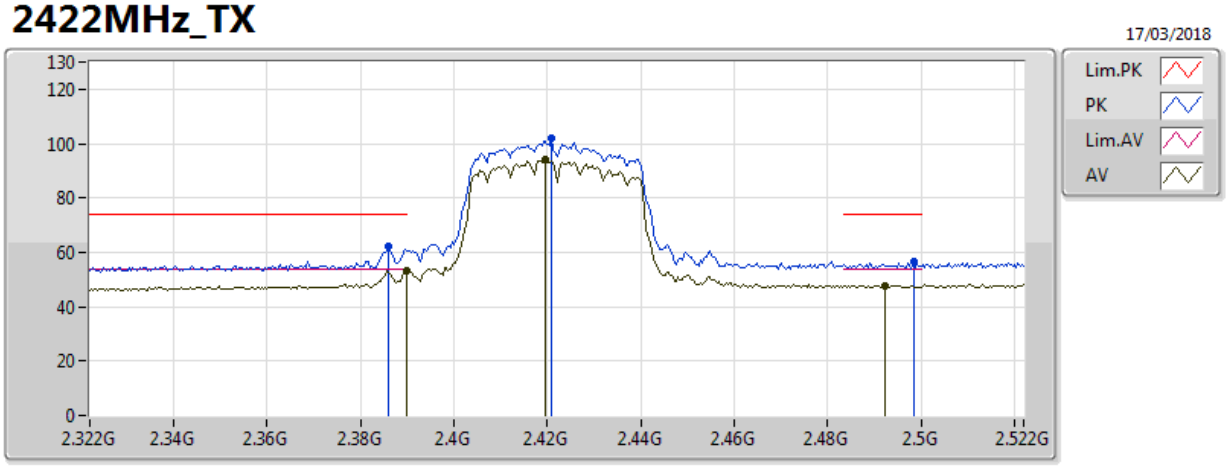
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3856G	52.57	54.00	-1.43	30.56	3	Vertical	101	1.50	-	22.01	26.98	3.58	-
AV	2.4196G	91.45	Inf	-Inf	30.68	3	Vertical	101	1.50	-	60.77	27.07	3.61	-
AV	2.4912G	48.15	54.00	-5.85	30.94	3	Vertical	101	1.50	-	17.21	27.28	3.66	-
PK	2.3856G	59.05	74.00	-14.95	30.56	3	Vertical	101	1.50	-	28.49	26.98	3.58	-
PK	2.4196G	97.58	Inf	-Inf	30.68	3	Vertical	101	1.50	-	66.90	27.07	3.61	-
PK	2.4868G	54.72	74.00	-19.28	30.92	3	Vertical	101	1.50	-	23.80	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

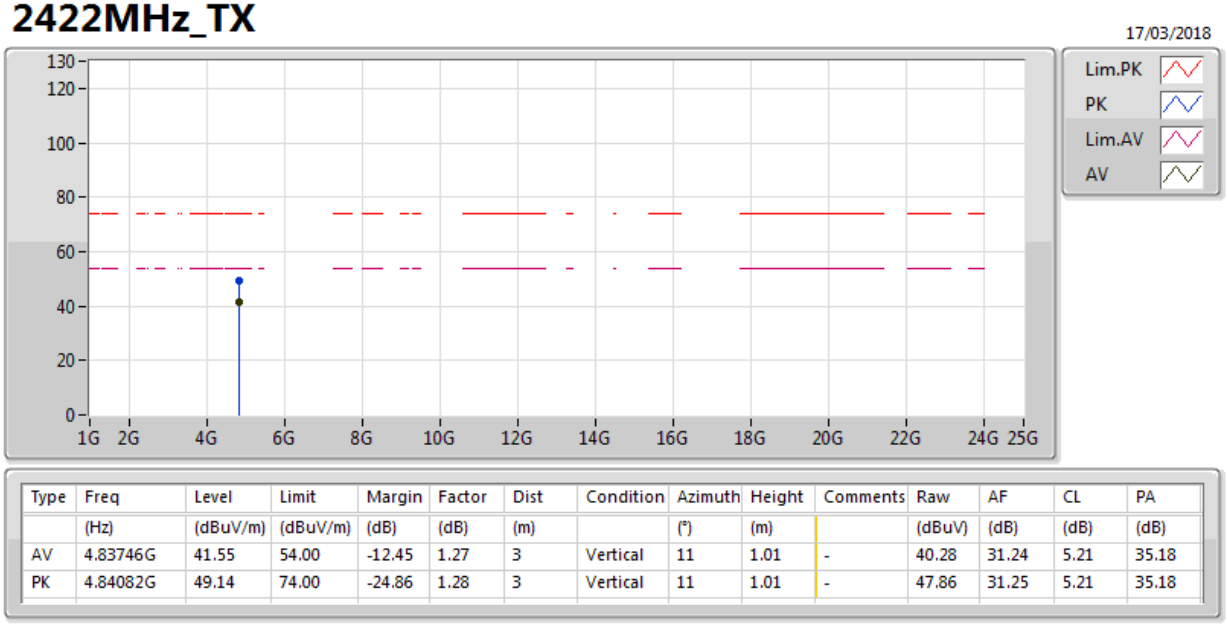
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	53.19	54.00	-0.81	30.57	3	Horizontal	312	1.74	-	22.62	26.99	3.58	-
AV	2.4196G	94.39	Inf	-Inf	30.68	3	Horizontal	312	1.74	-	63.71	27.07	3.61	-
AV	2.4924G	47.89	54.00	-6.11	30.94	3	Horizontal	312	1.74	-	16.95	27.28	3.66	-
PK	2.386G	62.19	74.00	-11.81	30.56	3	Horizontal	312	1.74	-	31.63	26.98	3.58	-
PK	2.4208G	101.76	Inf	-Inf	30.68	3	Horizontal	312	1.74	-	71.08	27.08	3.61	-
PK	2.4984G	56.71	74.00	-17.29	30.97	3	Horizontal	312	1.74	-	25.74	27.30	3.67	-

802.11n HT40_Nss1,(MCS0)_2TX

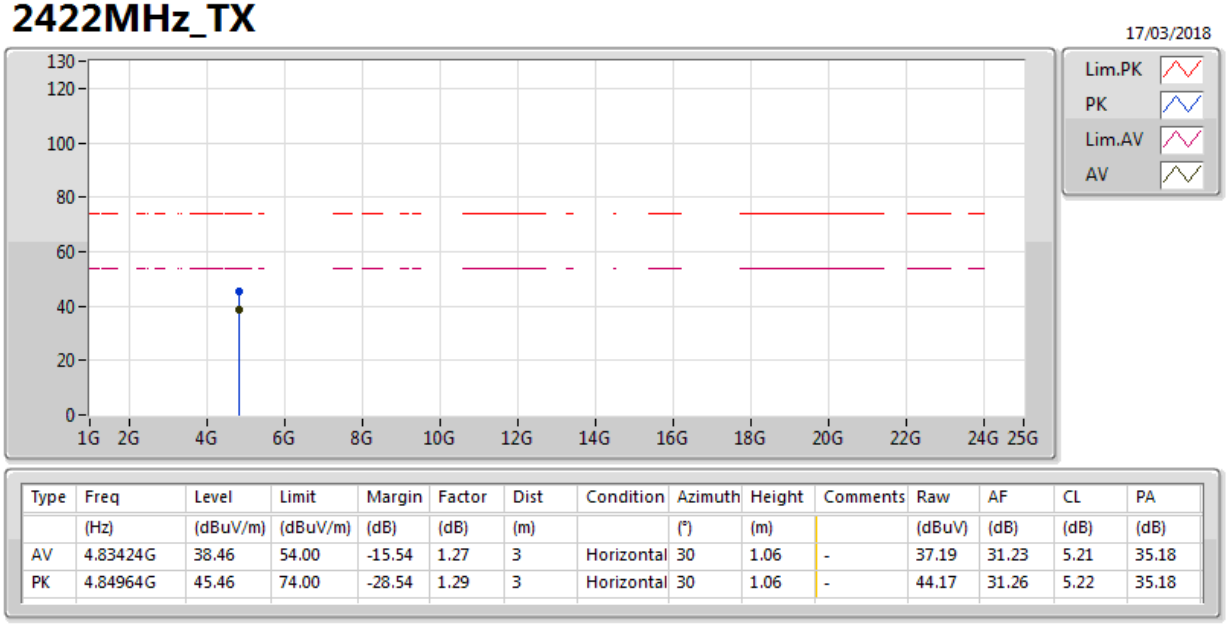
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.83746G	41.55	54.00	-12.45	1.27	3	Vertical	11	1.01	-	40.28	31.24	5.21	35.18
PK	4.84082G	49.14	74.00	-24.86	1.28	3	Vertical	11	1.01	-	47.86	31.25	5.21	35.18

802.11n HT40_Nss1,(MCS0)_2TX

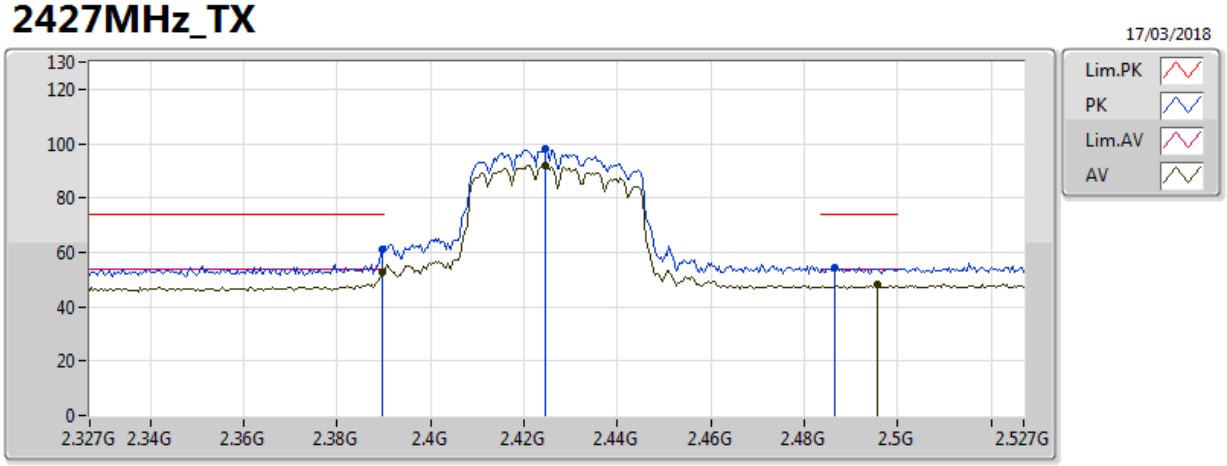
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.83424G	38.46	54.00	-15.54	1.27	3	Horizontal	30	1.06	-	37.19	31.23	5.21	35.18
PK	4.84964G	45.46	74.00	-28.54	1.29	3	Horizontal	30	1.06	-	44.17	31.26	5.22	35.18

802.11n HT40_Nss1,(MCS0)_2TX

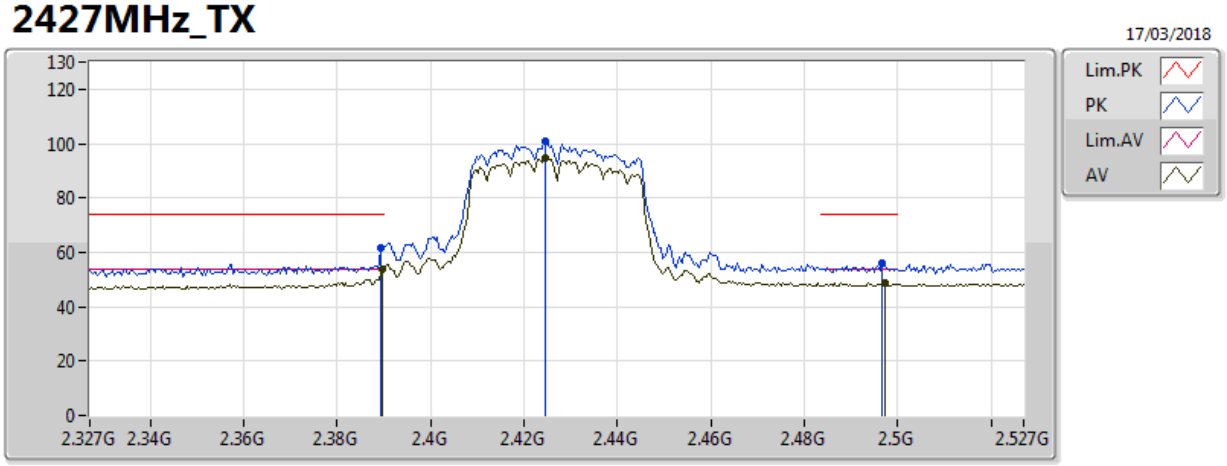
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.59	54.00	-1.41	30.57	3	Vertical	92	1.50	-	22.02	26.99	3.58	-
AV	2.4246G	91.77	Inf	-Inf	30.70	3	Vertical	92	1.50	-	61.07	27.09	3.61	-
AV	2.4958G	48.33	54.00	-5.67	30.96	3	Vertical	92	1.50	-	17.37	27.29	3.67	-
PK	2.3898G	61.32	74.00	-12.68	30.57	3	Vertical	92	1.50	-	30.75	26.99	3.58	-
PK	2.4246G	97.99	Inf	-Inf	30.70	3	Vertical	92	1.50	-	67.29	27.09	3.61	-
PK	2.4866G	54.59	74.00	-19.41	30.92	3	Vertical	92	1.50	-	23.67	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

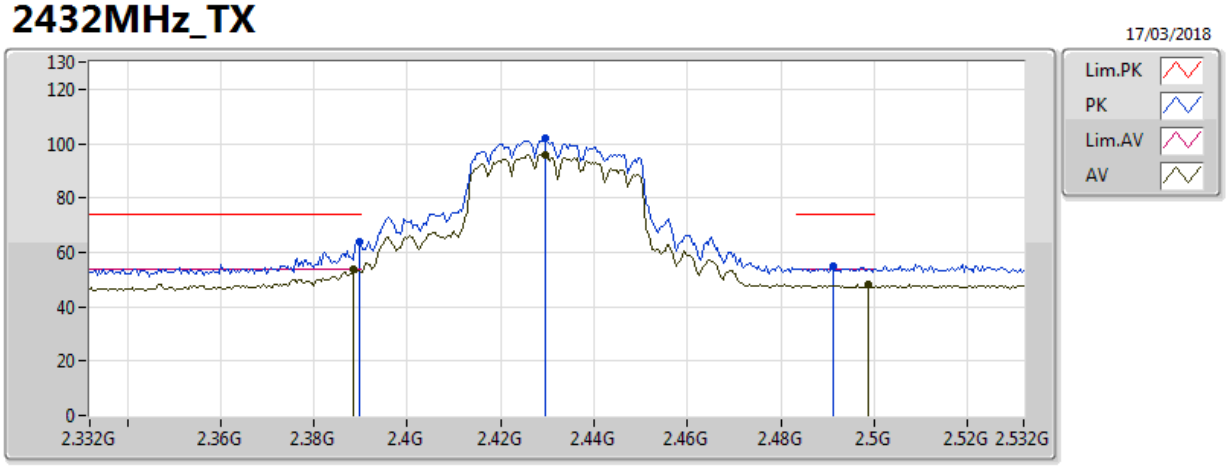
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	53.65	54.00	-0.35	30.57	3	Horizontal	314	2.78	-	23.08	26.99	3.58	-
AV	2.4246G	94.78	Inf	-Inf	30.70	3	Horizontal	314	2.78	-	64.08	27.09	3.61	-
AV	2.4974G	48.71	54.00	-5.29	30.96	3	Horizontal	314	2.78	-	17.75	27.29	3.67	-
PK	2.3894G	61.36	74.00	-12.64	30.57	3	Horizontal	314	2.78	-	30.79	26.99	3.58	-
PK	2.4246G	100.74	Inf	-Inf	30.70	3	Horizontal	314	2.78	-	70.04	27.09	3.61	-
PK	2.4966G	55.92	74.00	-18.08	30.96	3	Horizontal	314	2.78	-	24.96	27.29	3.67	-

802.11n HT40_Nss1,(MCS0)_2TX

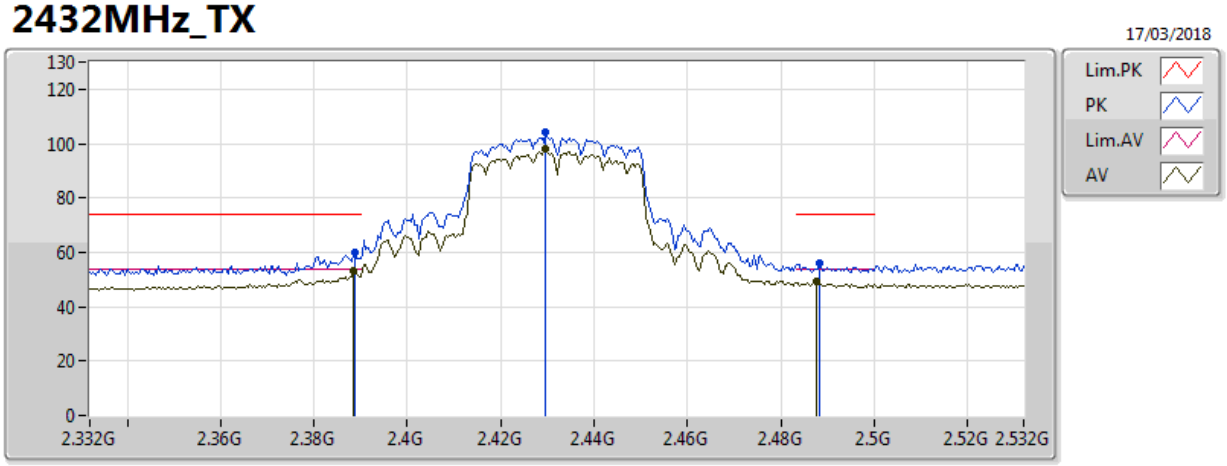
2432MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3884G	53.57	54.00	-0.43	30.57	3	Vertical	101	1.53	-	23.00	26.99	3.58	-
AV	2.4296G	95.92	Inf	-Inf	30.72	3	Vertical	101	1.53	-	65.20	27.10	3.61	-
AV	2.4988G	48.02	54.00	-5.98	30.97	3	Vertical	101	1.53	-	17.05	27.30	3.67	-
PK	2.3896G	64.02	74.00	-9.98	30.57	3	Vertical	101	1.53	-	33.45	26.99	3.58	-
PK	2.4296G	101.96	Inf	-Inf	30.72	3	Vertical	101	1.53	-	71.24	27.10	3.61	-
PK	2.4912G	54.87	74.00	-19.13	30.94	3	Vertical	101	1.53	-	23.93	27.28	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

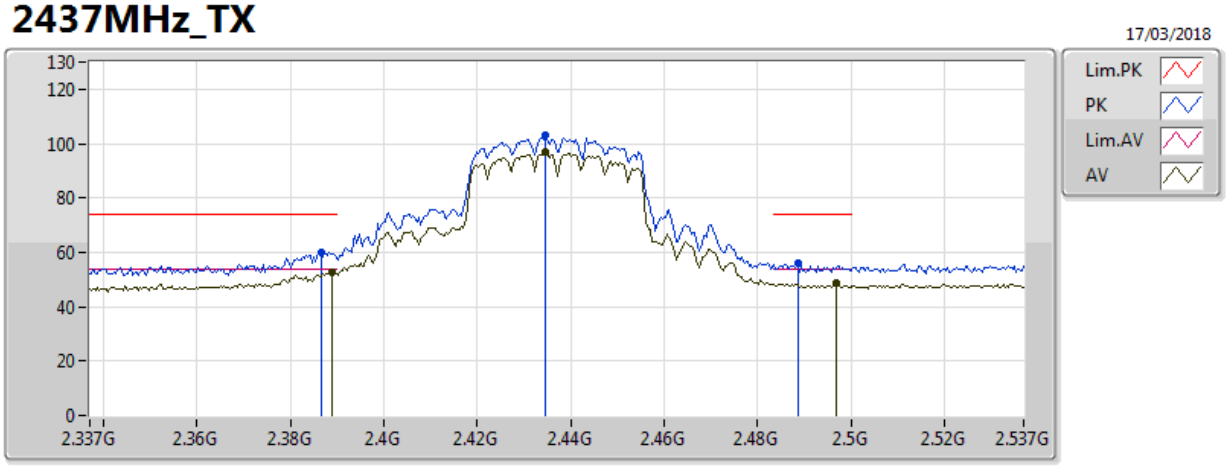
2432MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3884G	53.15	54.00	-0.85	30.57	3	Horizontal	316	1.50	-	22.58	26.99	3.58	-
AV	2.4296G	97.85	Inf	-Inf	30.72	3	Horizontal	316	1.50	-	67.13	27.10	3.61	-
AV	2.4876G	49.37	54.00	-4.63	30.93	3	Horizontal	316	1.50	-	18.44	27.27	3.66	-
PK	2.3888G	59.71	74.00	-14.29	30.57	3	Horizontal	316	1.50	-	29.14	26.99	3.58	-
PK	2.4296G	104.08	Inf	-Inf	30.72	3	Horizontal	316	1.50	-	73.36	27.10	3.61	-
PK	2.4884G	56.00	74.00	-18.00	30.93	3	Horizontal	316	1.50	-	25.07	27.27	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

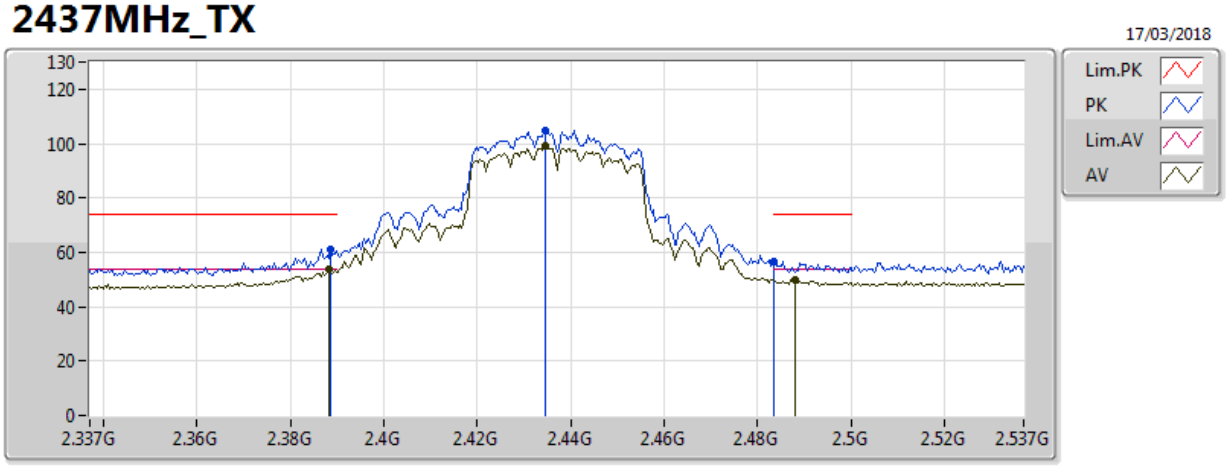
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	52.86	54.00	-1.14	30.57	3	Vertical	117	2.88	-	22.29	26.99	3.58	-
AV	2.4346G	96.93	Inf	-Inf	30.73	3	Vertical	117	2.88	-	66.20	27.12	3.62	-
AV	2.497G	48.89	54.00	-5.11	30.96	3	Vertical	117	2.88	-	17.93	27.29	3.67	-
PK	2.3866G	60.23	74.00	-13.77	30.56	3	Vertical	117	2.88	-	29.67	26.98	3.58	-
PK	2.4346G	103.08	Inf	-Inf	30.73	3	Vertical	117	2.88	-	72.35	27.12	3.62	-
PK	2.4886G	55.88	74.00	-18.12	30.93	3	Vertical	117	2.88	-	24.95	27.27	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

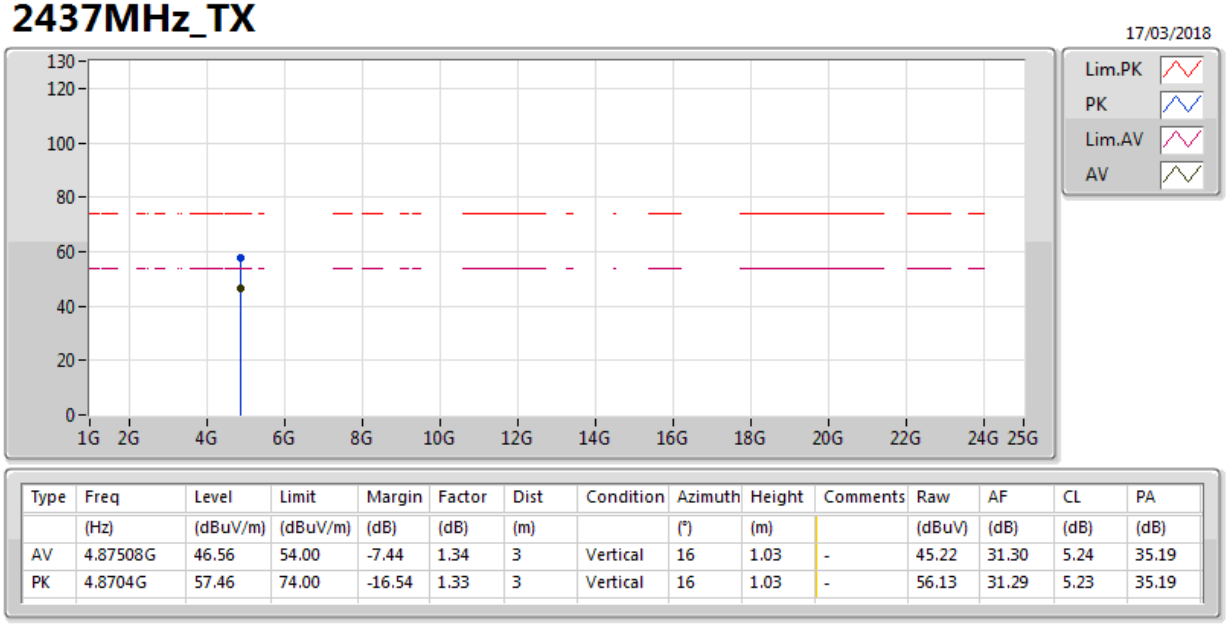
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3882G	53.63	54.00	-0.37	30.57	3	Horizontal	309	2.51	-	23.06	26.99	3.58	-
AV	2.4346G	99.09	Inf	-Inf	30.73	3	Horizontal	309	2.51	-	68.36	27.12	3.62	-
AV	2.4882G	49.84	54.00	-4.16	30.93	3	Horizontal	309	2.51	-	18.91	27.27	3.66	-
PK	2.3886G	60.90	74.00	-13.10	30.57	3	Horizontal	309	2.51	-	30.33	26.99	3.58	-
PK	2.4346G	105.06	Inf	-Inf	30.73	3	Horizontal	309	2.51	-	74.33	27.12	3.62	-
PK	2.483502G	56.81	74.00	-17.19	30.91	3	Horizontal	309	2.51	-	25.90	27.25	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

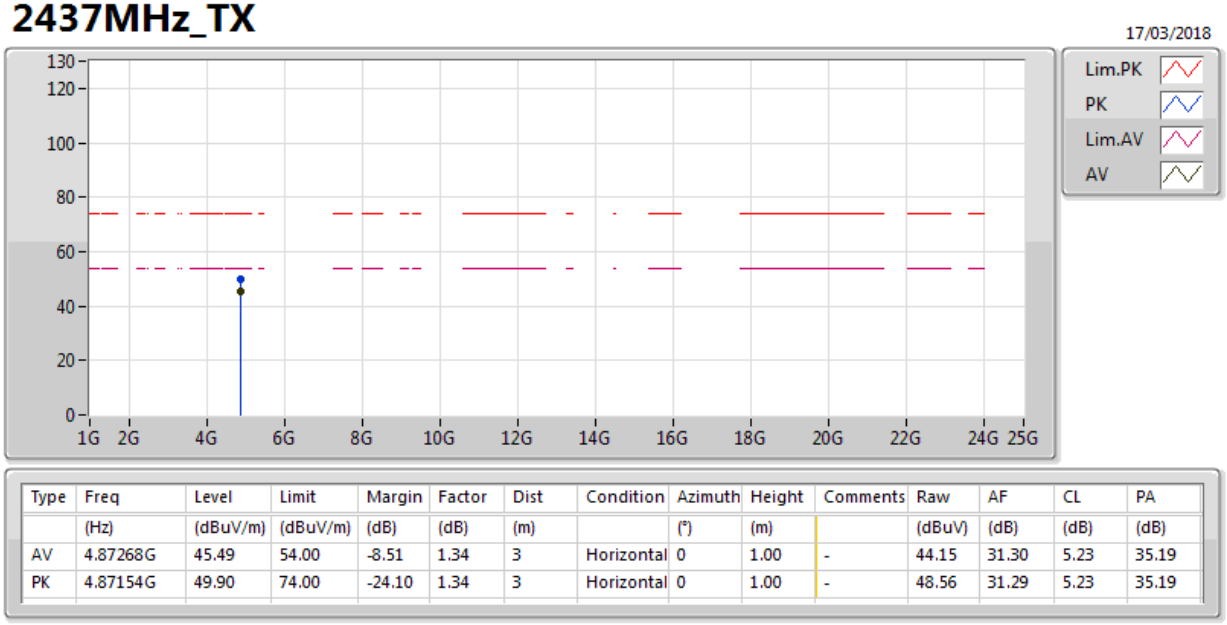
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87508G	46.56	54.00	-7.44	1.34	3	Vertical	16	1.03	-	45.22	31.30	5.24	35.19
PK	4.8704G	57.46	74.00	-16.54	1.33	3	Vertical	16	1.03	-	56.13	31.29	5.23	35.19

802.11n HT40_Nss1,(MCS0)_2TX

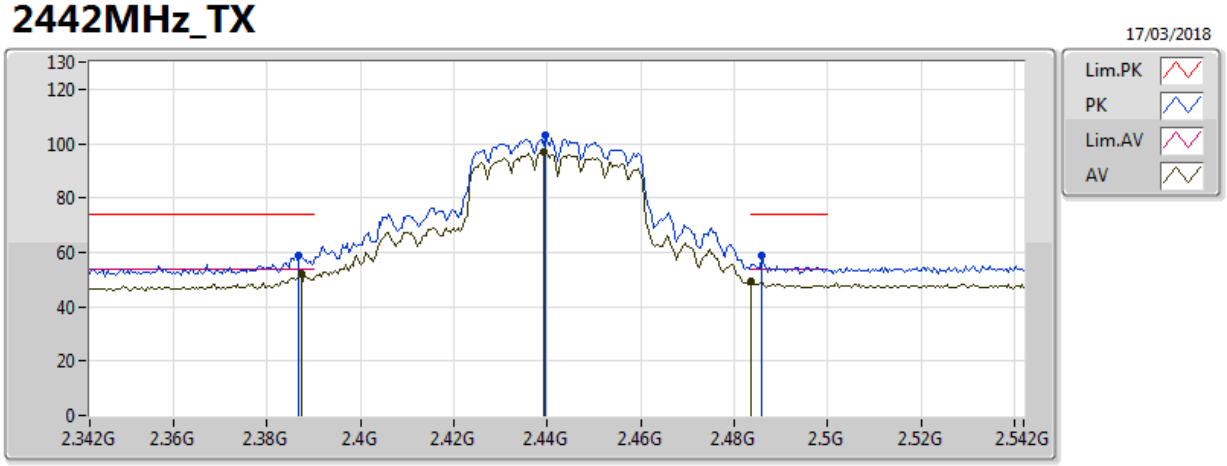
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87268G	45.49	54.00	-8.51	1.34	3	Horizontal	0	1.00	-	44.15	31.30	5.23	35.19
PK	4.87154G	49.90	74.00	-24.10	1.34	3	Horizontal	0	1.00	-	48.56	31.29	5.23	35.19

802.11n HT40_Nss1,(MCS0)_2TX

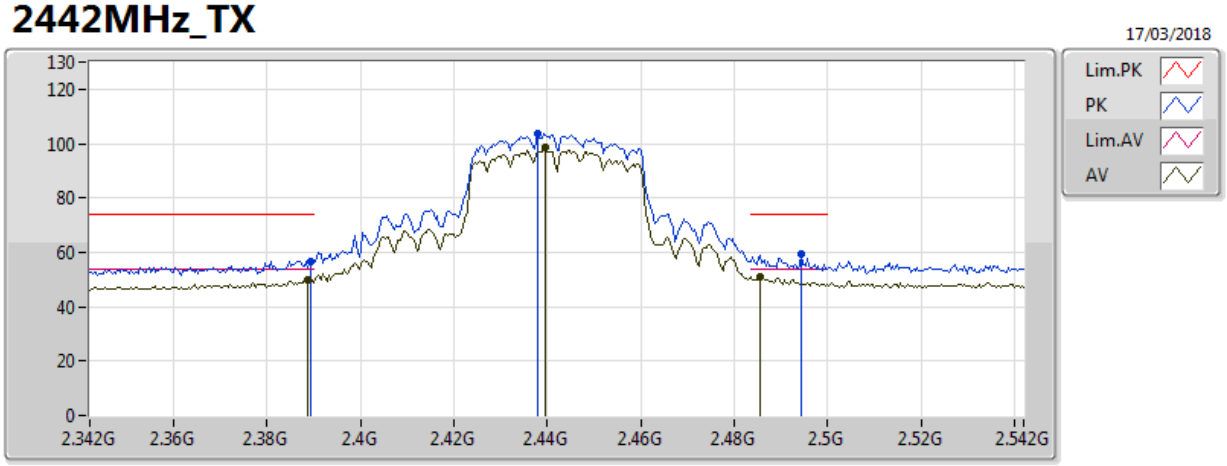
2442MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3872G	52.09	54.00	-1.91	30.56	3	Vertical	101	2.86	-	21.53	26.98	3.58	-
AV	2.4392G	96.68	Inf	-Inf	30.75	3	Vertical	101	2.86	-	65.93	27.13	3.62	-
AV	2.483502G	49.23	54.00	-4.77	30.91	3	Vertical	101	2.86	-	18.32	27.25	3.66	-
PK	2.3868G	58.98	74.00	-15.02	30.56	3	Vertical	101	2.86	-	28.42	26.98	3.58	-
PK	2.4396G	103.08	Inf	-Inf	30.75	3	Vertical	101	2.86	-	72.33	27.13	3.62	-
PK	2.486G	58.56	74.00	-15.44	30.92	3	Vertical	101	2.86	-	27.64	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

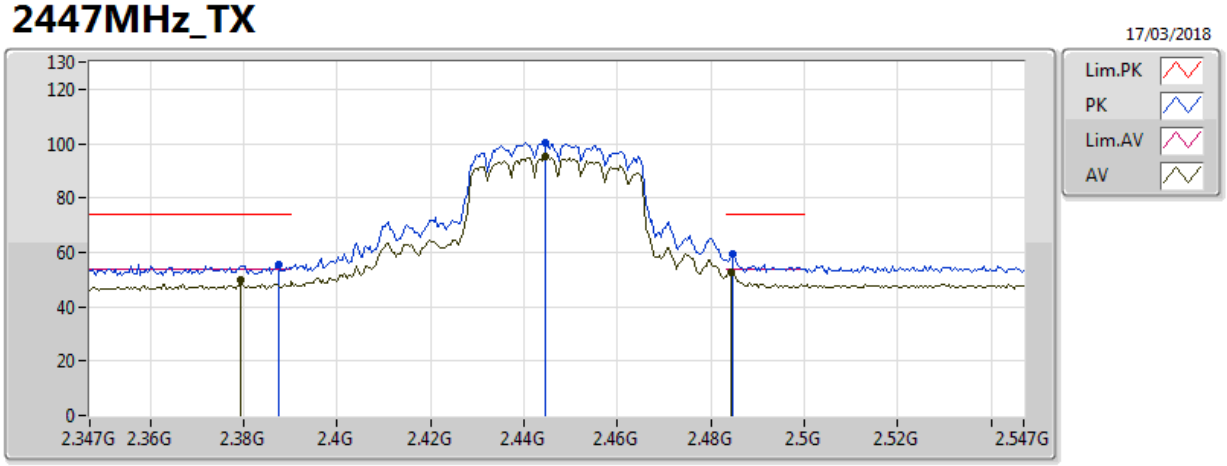
2442MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	49.81	54.00	-4.19	30.57	3	Horizontal	311	1.50	-	19.24	26.99	3.58	-
AV	2.4396G	98.63	Inf	-Inf	30.75	3	Horizontal	311	1.50	-	67.88	27.13	3.62	-
AV	2.4856G	51.04	54.00	-2.96	30.92	3	Horizontal	311	1.50	-	20.12	27.26	3.66	-
PK	2.3892G	56.80	74.00	-17.20	30.57	3	Horizontal	311	1.50	-	26.23	26.99	3.58	-
PK	2.438G	103.69	Inf	-Inf	30.75	3	Horizontal	311	1.50	-	72.94	27.13	3.62	-
PK	2.4944G	59.42	74.00	-14.58	30.95	3	Horizontal	311	1.50	-	28.47	27.28	3.67	-

802.11n HT40_Nss1,(MCS0)_2TX

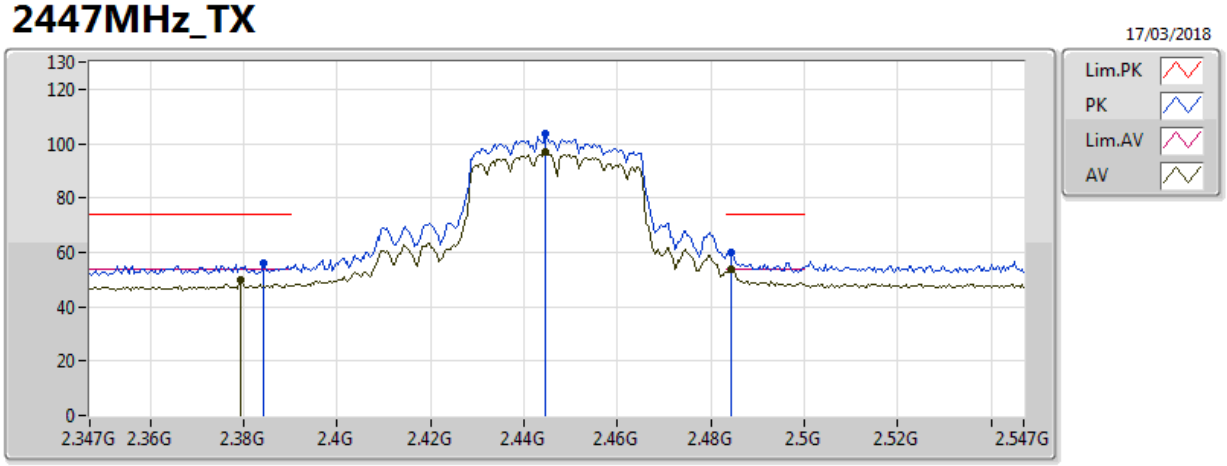
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3794G	50.08	54.00	-3.92	30.54	3	Vertical	113	2.86	-	19.54	26.96	3.58	-
AV	2.4446G	95.52	Inf	-Inf	30.77	3	Vertical	113	2.86	-	64.75	27.14	3.63	-
AV	2.4842G	52.47	54.00	-1.53	30.92	3	Vertical	113	2.86	-	21.55	27.26	3.66	-
PK	2.3874G	55.45	74.00	-18.55	30.56	3	Vertical	113	2.86	-	24.89	26.98	3.58	-
PK	2.4446G	100.16	Inf	-Inf	30.77	3	Vertical	113	2.86	-	69.39	27.14	3.63	-
PK	2.4846G	59.44	74.00	-14.56	30.92	3	Vertical	113	2.86	-	28.52	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

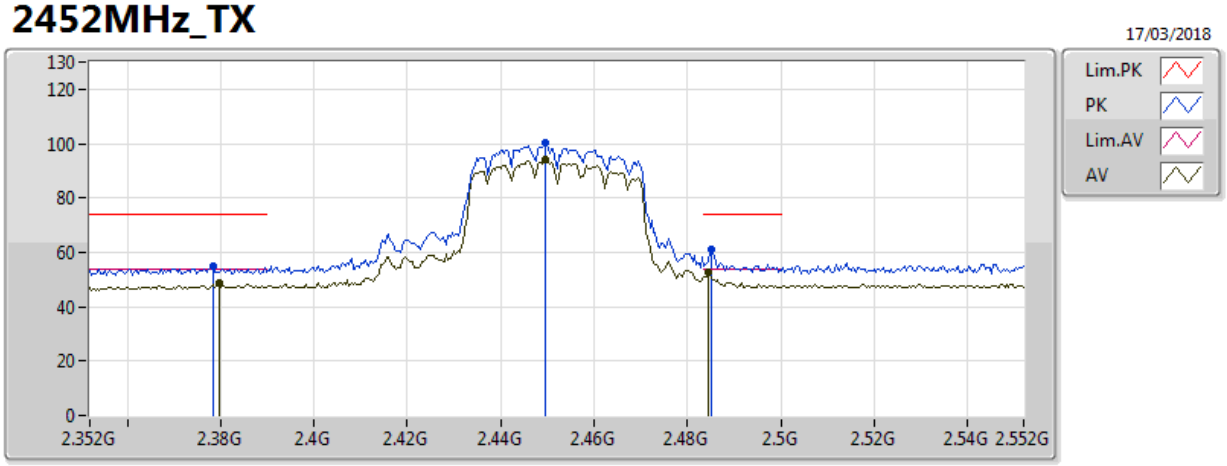
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3794G	49.74	54.00	-4.26	30.54	3	Horizontal	312	1.50	-	19.20	26.96	3.58	-
AV	2.4446G	97.20	Inf	-Inf	30.77	3	Horizontal	312	1.50	-	66.43	27.14	3.63	-
AV	2.4842G	53.70	54.00	-0.30	30.92	3	Horizontal	312	1.50	-	22.78	27.26	3.66	-
PK	2.3842G	55.81	74.00	-18.19	30.56	3	Horizontal	312	1.50	-	25.25	26.98	3.58	-
PK	2.4446G	103.51	Inf	-Inf	30.77	3	Horizontal	312	1.50	-	72.74	27.14	3.63	-
PK	2.4842G	60.02	74.00	-13.98	30.92	3	Horizontal	312	1.50	-	29.10	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

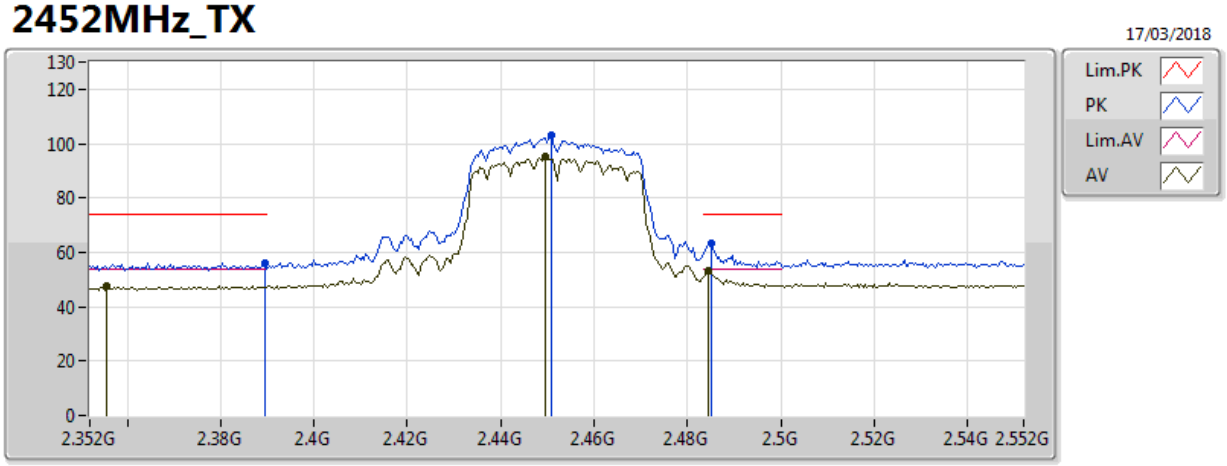
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3796G	48.65	54.00	-5.35	30.54	3	Vertical	118	2.89	-	18.11	26.96	3.58	-
AV	2.4496G	94.06	Inf	-Inf	30.79	3	Vertical	118	2.89	-	63.27	27.16	3.63	-
AV	2.4844G	52.47	54.00	-1.53	30.92	3	Vertical	118	2.89	-	21.55	27.26	3.66	-
PK	2.3784G	54.82	74.00	-19.18	30.53	3	Vertical	118	2.89	-	24.29	26.96	3.57	-
PK	2.4496G	100.29	Inf	-Inf	30.79	3	Vertical	118	2.89	-	69.50	27.16	3.63	-
PK	2.4852G	60.87	74.00	-13.13	30.92	3	Vertical	118	2.89	-	29.95	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

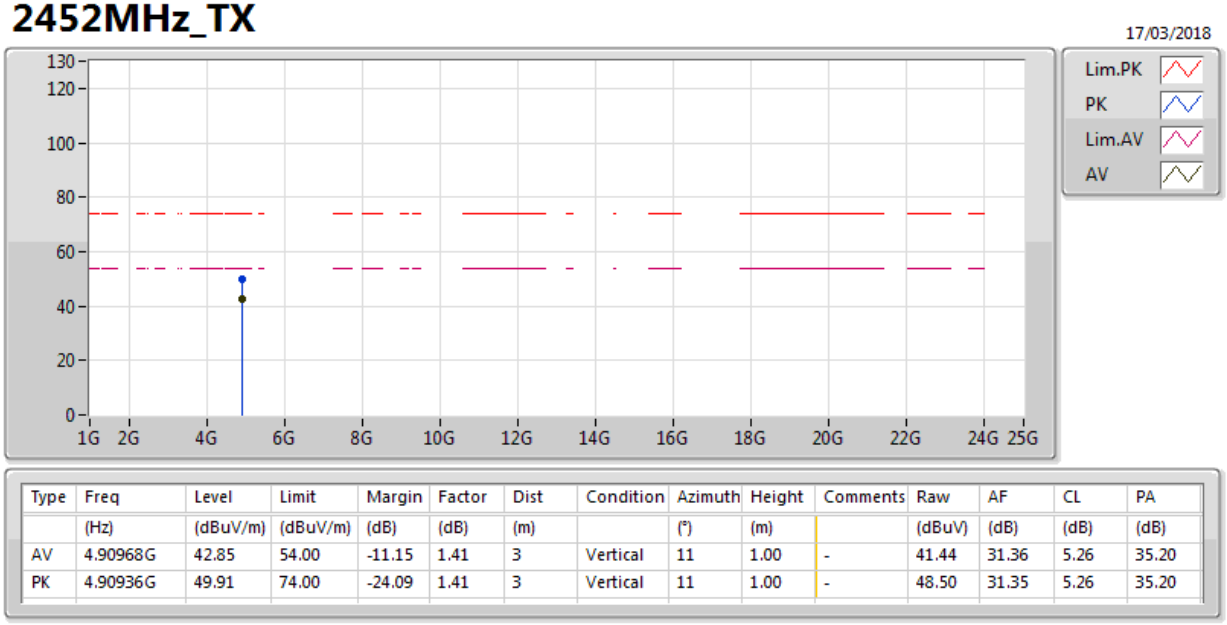
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3556G	47.47	54.00	-6.53	30.46	3	Horizontal	313	3.09	-	17.01	26.90	3.56	-
AV	2.4496G	95.46	Inf	-Inf	30.79	3	Horizontal	313	3.09	-	64.67	27.16	3.63	-
AV	2.4844G	53.36	54.00	-0.64	30.92	3	Horizontal	313	3.09	-	22.44	27.26	3.66	-
PK	2.3896G	55.86	74.00	-18.14	30.57	3	Horizontal	313	3.09	-	25.29	26.99	3.58	-
PK	2.4508G	102.97	Inf	-Inf	30.79	3	Horizontal	313	3.09	-	72.18	27.16	3.63	-
PK	2.4852G	63.34	74.00	-10.66	30.92	3	Horizontal	313	3.09	-	32.42	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

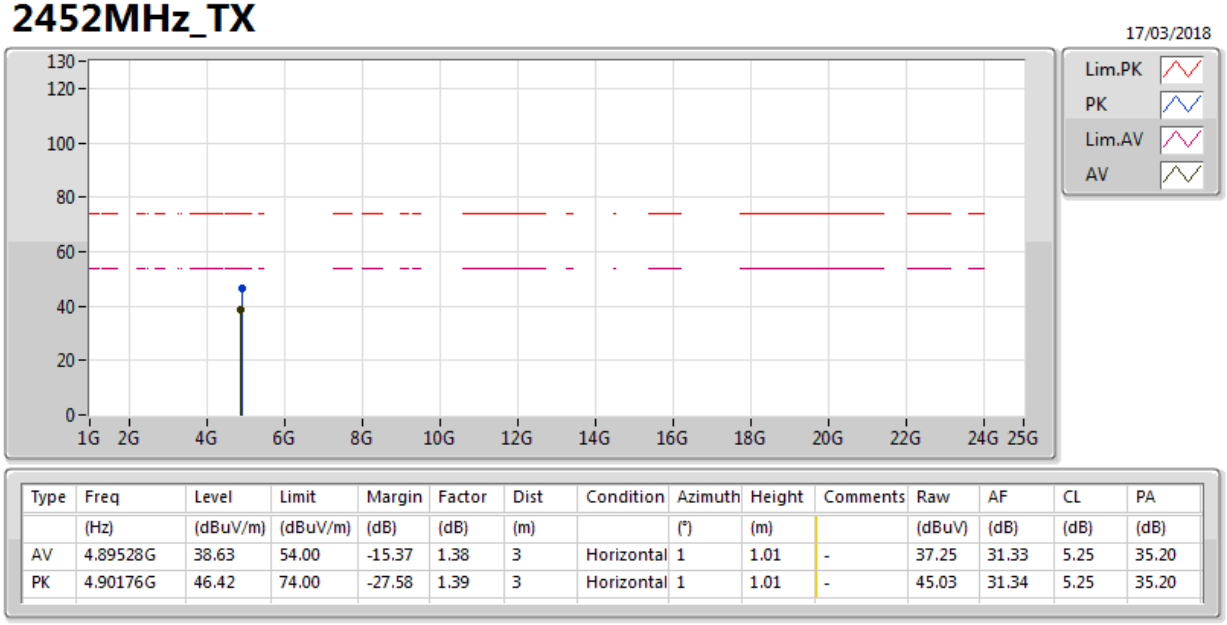
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.90968G	42.85	54.00	-11.15	1.41	3	Vertical	11	1.00	-	41.44	31.36	5.26	35.20
PK	4.90936G	49.91	74.00	-24.09	1.41	3	Vertical	11	1.00	-	48.50	31.35	5.26	35.20

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.89528G	38.63	54.00	-15.37	1.38	3	Horizontal	1	1.01	-	37.25	31.33	5.25	35.20
PK	4.90176G	46.42	74.00	-27.58	1.39	3	Horizontal	1	1.01	-	45.03	31.34	5.25	35.20