Testing Laboratory 1190

FCC Test Report

FCC ID	:	SWX-ULEDAC
Equipment	:	UniFi LED
Brand Name	:	UBIQUITI
Model Name	:	ULED-AC
Applicant/ Manufacturer	:	Ubiquiti Networks, Inc. 685 Third Avenue, 27th Floor New York, New York 10017 USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Apr. 16, 2018, and testing was started from Apr. 18, 2018 and completed on Apr. 24, 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.

Allen Lin

Approved by: Allen Lin

SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR7N0734-02AC	01	Initial issue of report	May 18, 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: Sam Tsai

Report Producer: Jenny Yang

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
1	-	-	internal antenna	i-Pex
2	-	-	internal antenna	i-Pex
3	-	-	internal antenna	fixed on board

Ant.	Port	Gain (dBi)	
		2.4G	BT
1	1	4	-
2	2	4	-
3	1	-	3.5

For 2.4 GHz function:

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

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

For Bluetooth function:

For Bluetooth mode (1TX/1RX)
Only Ant. 3 (port 1) can be used as transmitting/receiving antenna.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE 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	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.985	0.066	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	0.989	0.048	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

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

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	TH06-HY	Tim	22.5°C / 65%	24/Apr/2018
Radiated	03CH03-HY	Jerry	23°C / 55%	18/Apr/2018
AC Conduction	CO04-HY	Daniel	22.9°C / 57%	19/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

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

2.2 Test Channel Mode

Test Software	CMD

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	10
2437MHz	10
2462MHz	10
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	13
2417MHz	15.5
2437MHz	16
2462MHz	16.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	13.5
2417MHz	15.5
2437MHz	16
2462MHz	16.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	11.5
2427MHz	14
2432MHz	15
2437MHz	16
2447MHz	16
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	AC 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	PoE adapter mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Z Plane**
	
Worst Planes of EUT	V

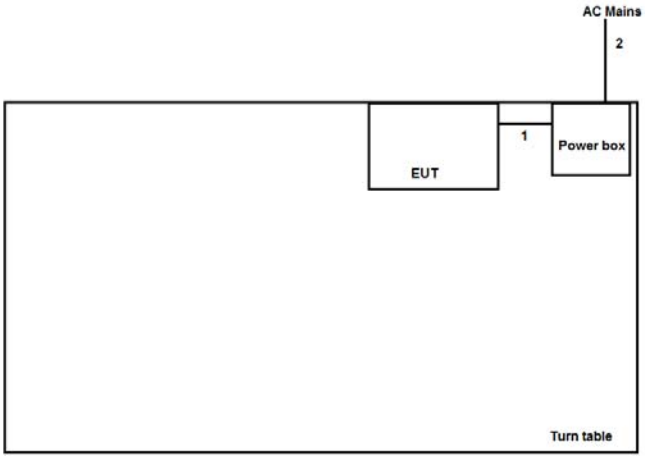
The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
Refer to Sporton Test Report No.: FA7N0734-02 for Co-location RF Exposure Evaluation.	

2.4 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
3	AC Source	GW	AP2750	-

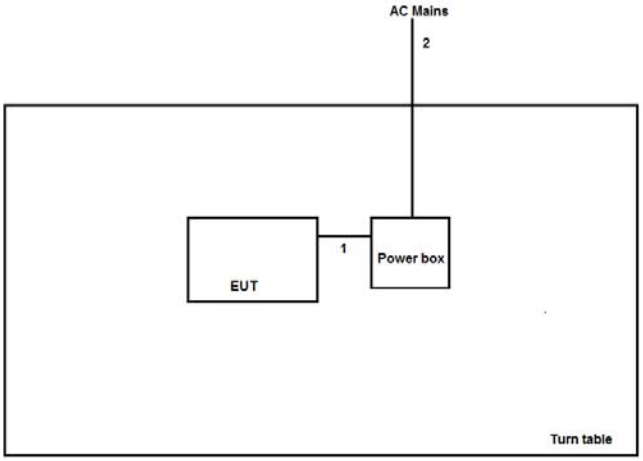
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	0.65m	-
2	AC Power line	No	1.0m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	0.65m	-
2	AC Power line	No	1.0m	-

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

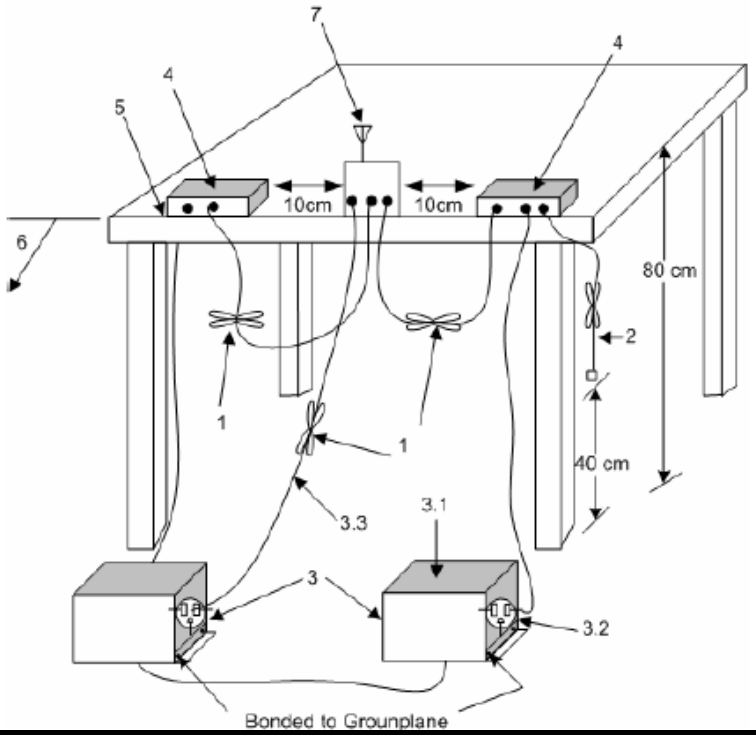
Refer a test equipment and calibration data table in this test report.

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

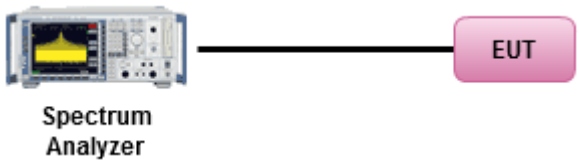
Refer a test equipment and calibration data table in this test report.

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 6.7 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

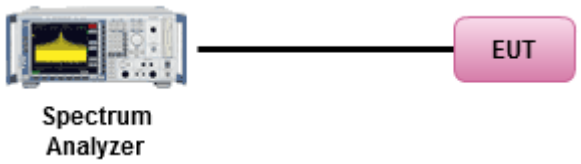
3.4.2 Measuring Instruments

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.	

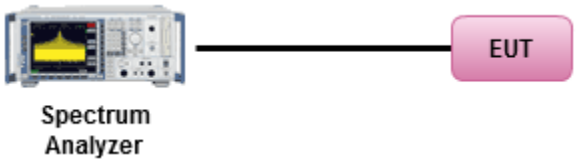
3.5.2 Measuring Instruments

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.

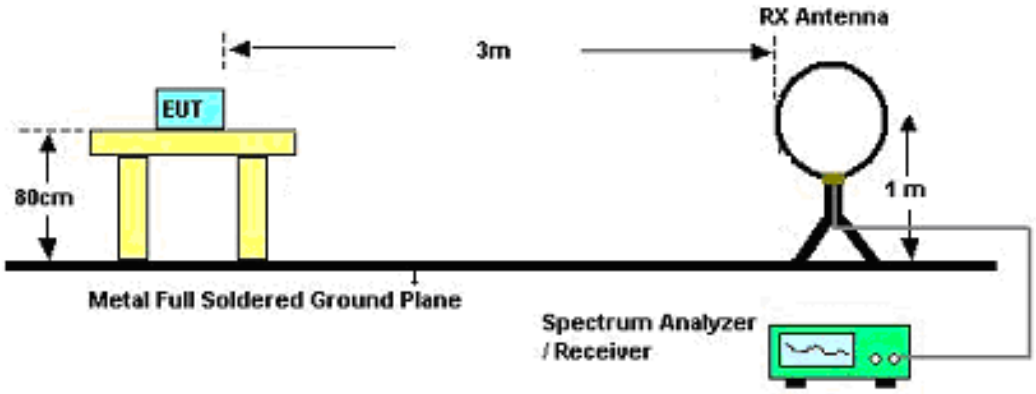
3.6.3 Test Procedures

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.

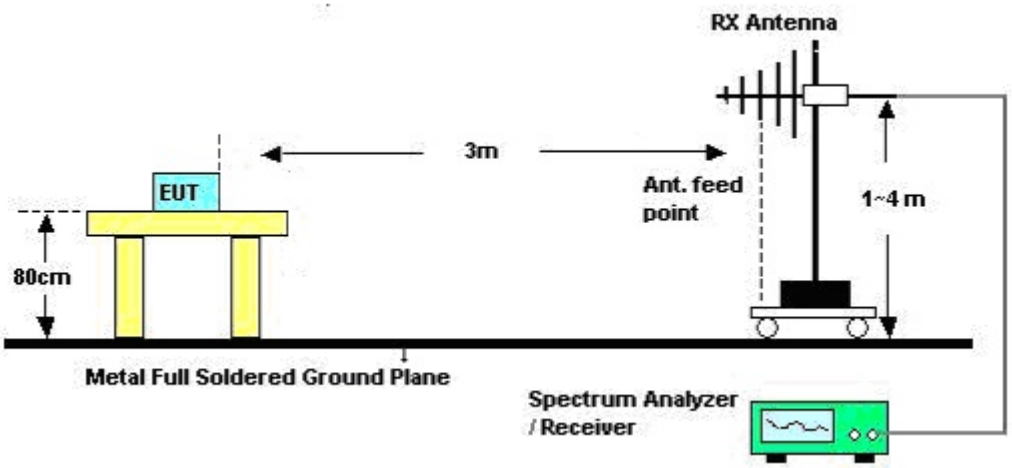
3.6.4 Test Setup

Emissions in Restricted Frequency Bands

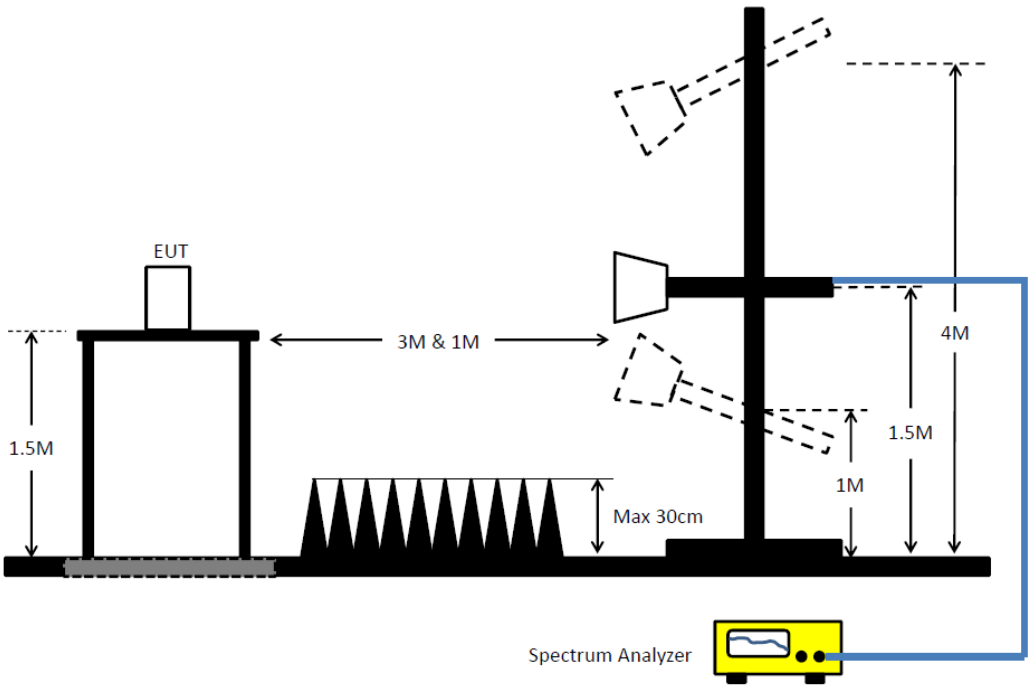
9kHz ~30MHz



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

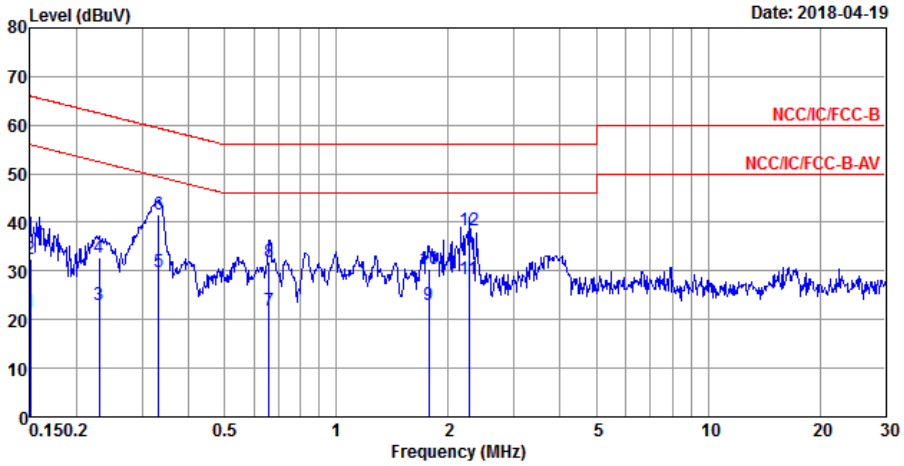
Instrument for Radiated Test

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	20/Apr/2017	19/Apr/2018
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	31/Aug/2017	30/Aug/2018
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	28/Jun/2017	27/Jun/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	26/Jan/2018	25/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX 106	CB222	1GHz ~ 40GHz	26/Jan/2018	25/Jan/2019
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz ~ 1GHz	08/Jul/2017	07/Jul/2018
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	25/Apr/ 2017	24/Apr/2018
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	28/Mar/2018	27/Mar/2019
RF Cable	HUBER+SUHNER	SUCOFLEX 102	MY2579/2	100 kHz~40 GHz	12/Jun/2017	11/Jun/2018
RF Cable	HUBER+SUHNER	SUCOFLEX 102	MY2580/2	100 kHz~40 GHz	11/May/2017	10/May/2018

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~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	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10712/4	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

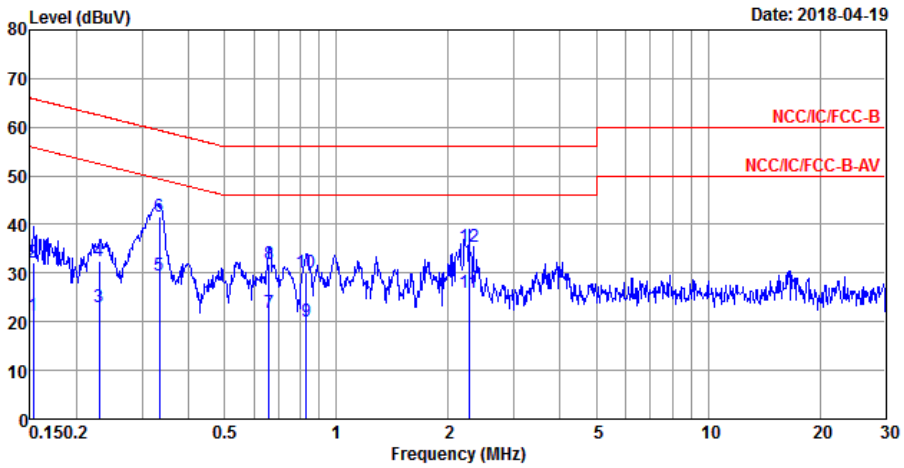
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	AC Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	21.55	-34.45	56.00	11.88	9.63	0.04	Average
2	0.15	32.36	-33.64	66.00	22.69	9.63	0.04	QP
3	0.23	23.14	-29.30	52.44	13.50	9.62	0.02	Average
4	0.23	32.67	-29.77	62.44	23.03	9.62	0.02	QP
5	0.33	29.76	-19.64	49.40	20.08	9.61	0.07	Average
6	0.33	41.71	-17.69	59.40	32.03	9.61	0.07	QP
7	0.66	21.87	-24.13	46.00	12.20	9.62	0.05	Average
8	0.66	32.02	-23.98	56.00	22.35	9.62	0.05	QP
9	1.77	23.01	-22.99	46.00	13.38	9.63	0.00	Average
10	1.77	30.35	-25.65	56.00	20.72	9.63	0.00	QP
11	2.27	28.33	-17.67	46.00	18.68	9.63	0.02	Average
12 MAX	2.27	38.44	-17.56	56.00	28.79	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	AC Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	21.31	-34.51	55.82	11.65	9.62	0.04	Average
2	0.15	32.23	-33.59	65.82	22.57	9.62	0.04	QP
3	0.23	23.03	-29.41	52.44	13.39	9.62	0.02	Average
4	0.23	32.61	-29.83	62.44	22.97	9.62	0.02	QP
5	0.33	29.63	-19.72	49.35	19.95	9.61	0.07	Average
6 MAX	0.33	41.58	-17.77	59.35	31.90	9.61	0.07	QP
7	0.66	21.80	-24.20	46.00	12.14	9.61	0.05	Average
8	0.66	31.96	-24.04	56.00	22.30	9.61	0.05	QP
9	0.83	20.17	-25.83	46.00	10.54	9.61	0.02	Average
10	0.83	30.03	-25.97	56.00	20.40	9.61	0.02	QP
11	2.27	25.93	-20.07	46.00	16.29	9.62	0.02	Average
12	2.27	35.51	-20.49	56.00	25.87	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	10.025M	13.543M	13M5G1D	9.1M	13.293M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.342M	16M3D1D	15.05M	16.217M
802.11n HT20_Nss1,(MCS0)_2TX	16.525M	17.441M	17M4D1D	14.375M	17.266M
802.11n HT40_Nss1,(MCS0)_2TX	35.4M	36.032M	36M0D1D	31.25M	35.682M

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

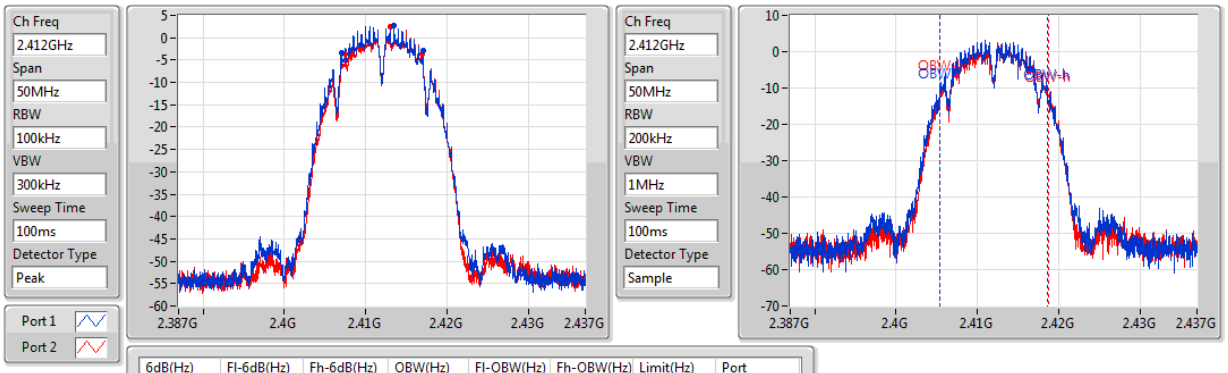
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	10.025M	13.293M	9.475M	13.318M
2437MHz_TnomVnom	Pass	500k	9.55M	13.443M	9.1M	13.393M
2462MHz_TnomVnom	Pass	500k	10M	13.543M	9.55M	13.418M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	15.4M	16.242M	15.05M	16.217M
2437MHz_TnomVnom	Pass	500k	15.775M	16.342M	15.65M	16.217M
2462MHz_TnomVnom	Pass	500k	16.3M	16.292M	15.625M	16.217M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.025M	17.391M	16.325M	17.366M
2437MHz_TnomVnom	Pass	500k	16.525M	17.441M	14.375M	17.341M
2462MHz_TnomVnom	Pass	500k	15.4M	17.266M	15.775M	17.291M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	34.65M	35.782M	31.25M	35.682M
2437MHz_TnomVnom	Pass	500k	34.65M	36.032M	33.8M	35.782M
2452MHz_TnomVnom	Pass	500k	32.25M	35.782M	35.4M	35.782M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

18/04/2018

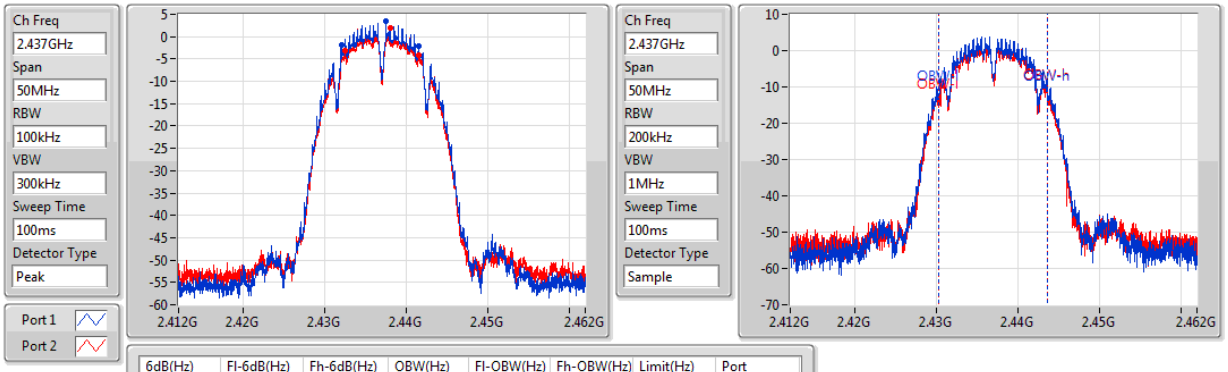


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.407G	2.417025G	13.293M	2.405328G	2.418622G	500k	1
9.475M	2.4075G	2.416975G	13.318M	2.405453G	2.418772G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

18/04/2018

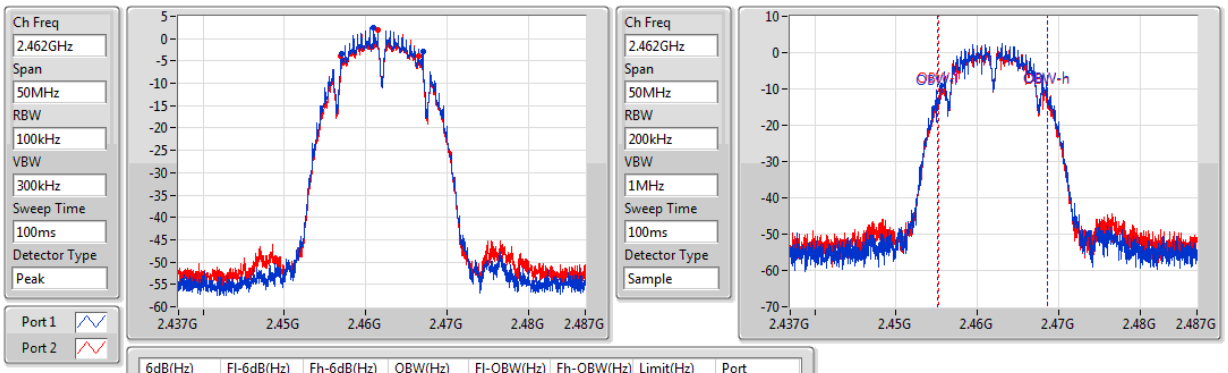


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.55M	2.432G	2.44155G	13.443M	2.430228G	2.443672G	500k	1
9.1M	2.43245G	2.44155G	13.393M	2.430228G	2.443622G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

18/04/2018

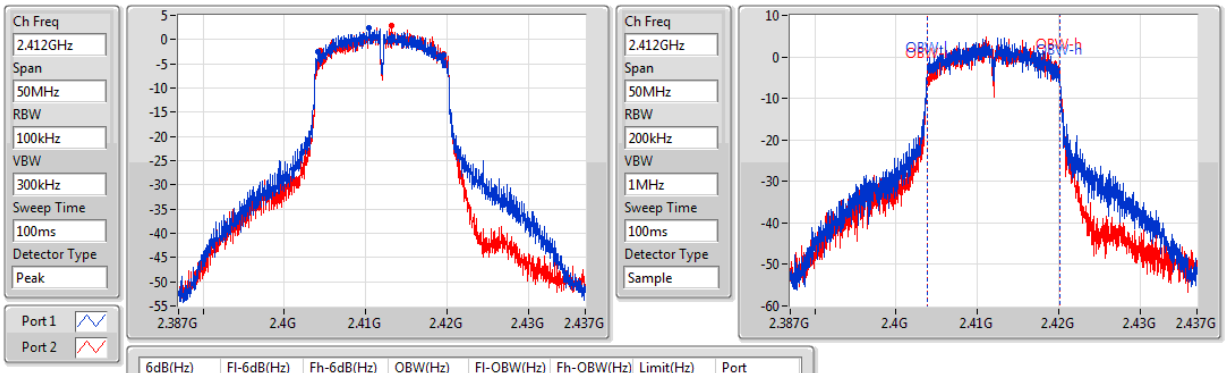


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10M	2.457025G	2.467025G	13.543M	2.455128G	2.468672G	500k	1
9.55M	2.456975G	2.466525G	13.418M	2.455228G	2.468647G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

18/04/2018

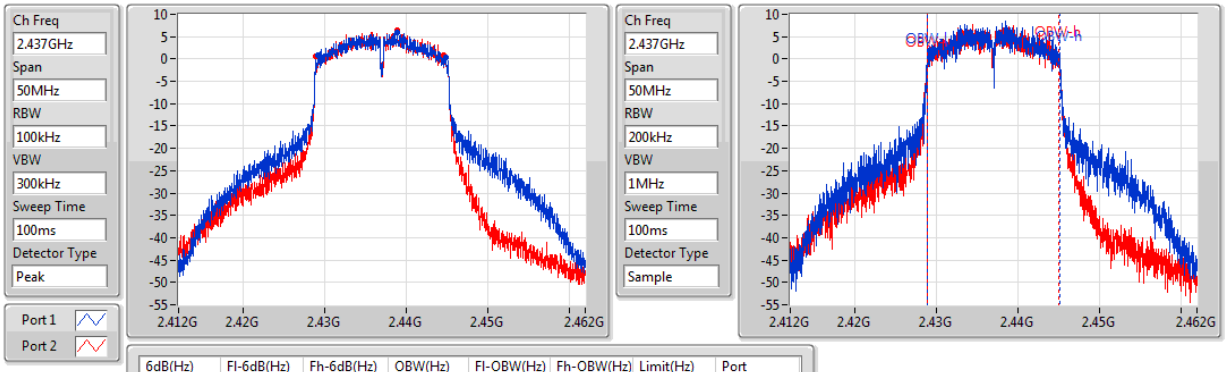


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.4M	2.404125G	2.419525G	16.242M	2.403854G	2.420096G	500k	1
15.05M	2.404475G	2.419525G	16.217M	2.403904G	2.420121G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

18/04/2018

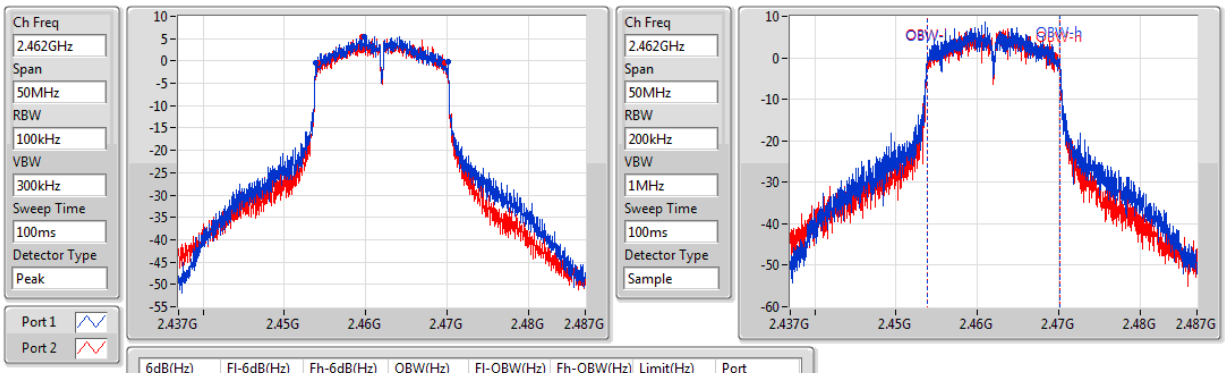


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.775M	2.429125G	2.4449G	16.342M	2.428804G	2.445146G	500k	1
15.65M	2.428875G	2.444525G	16.217M	2.428854G	2.445071G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

18/04/2018

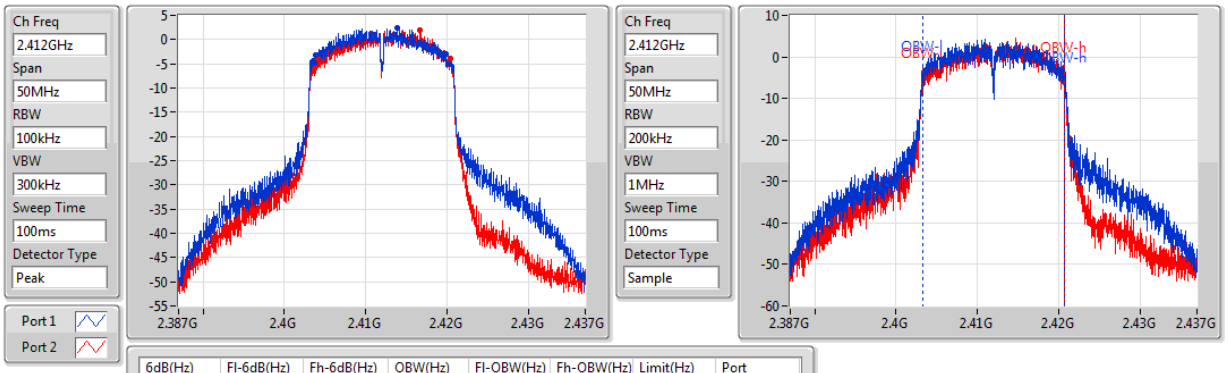


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.45385G	2.47015G	16.292M	2.453829G	2.470121G	500k	1
15.625M	2.4541G	2.469725G	16.217M	2.453879G	2.470096G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

18/04/2018

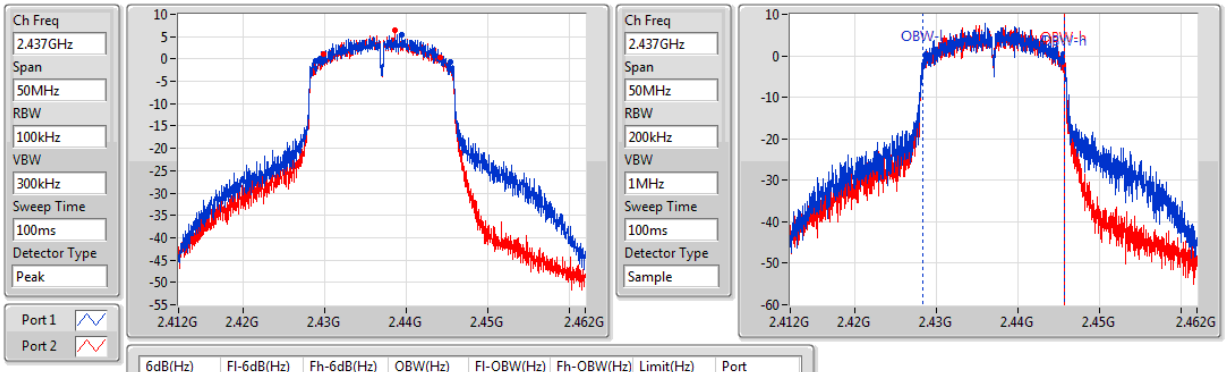


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.40385G	2.419875G	17.391M	2.403279G	2.420671G	500k	1
16.325M	2.40415G	2.420475G	17.366M	2.403329G	2.420696G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

18/04/2018

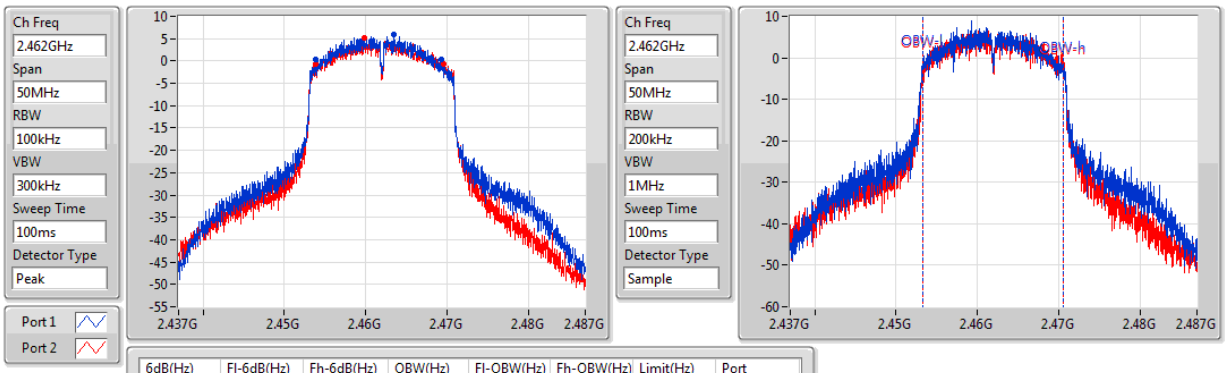


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.42885G	2.445375G	17.441M	2.428254G	2.445696G	500k	1
14.375M	2.429775G	2.44415G	17.341M	2.428304G	2.445646G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

18/04/2018



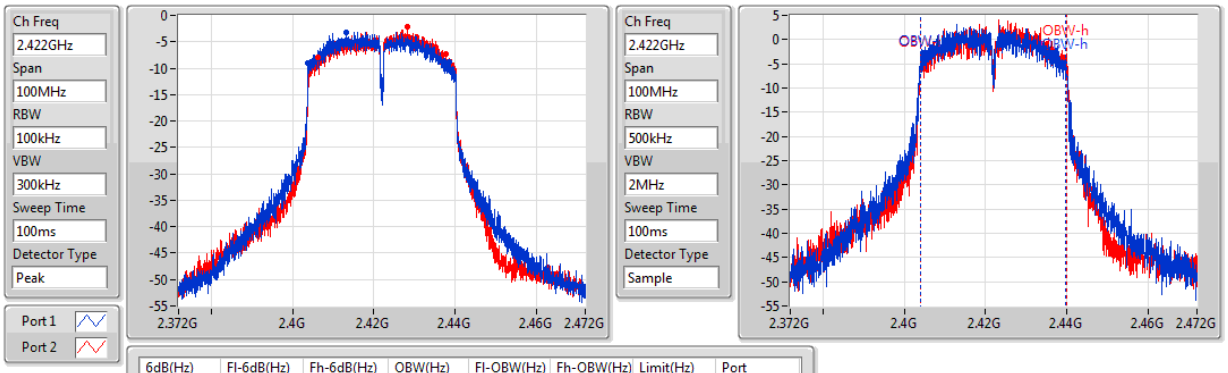
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.4M	2.453875G	2.469275G	17.266M	2.453304G	2.470571G	500k	1
15.775M	2.453875G	2.46965G	17.291M	2.453329G	2.470621G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2422MHz

18/04/2018



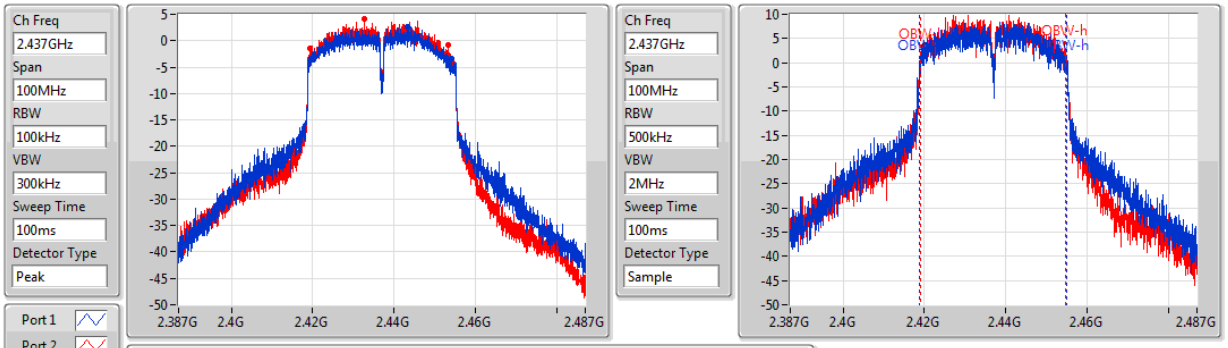
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.65M	2.40385G	2.4385G	35.782M	2.404009G	2.439791G	500k	1
31.25M	2.4064G	2.43765G	35.682M	2.404159G	2.439841G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2437MHz

18/04/2018



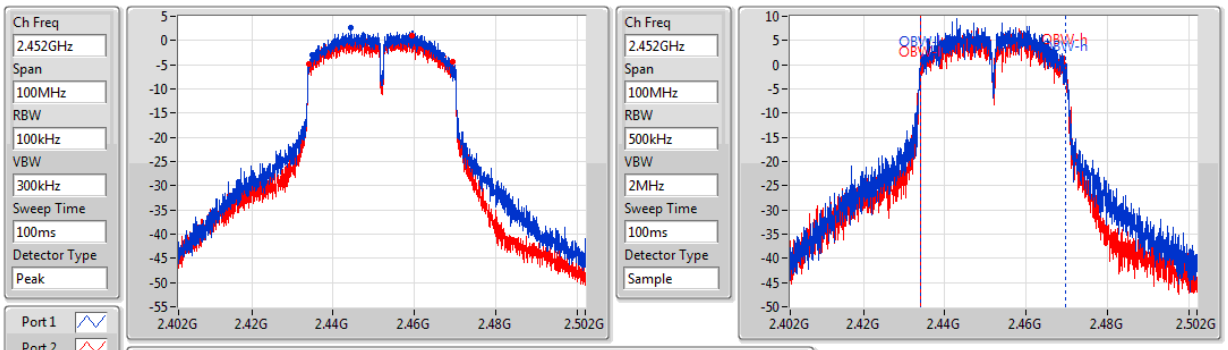
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.65M	2.4195G	2.45415G	36.032M	2.418859G	2.454891G	500k	1
33.8M	2.41945G	2.45325G	35.782M	2.419009G	2.454791G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2452MHz

18/04/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.25M	2.43475G	2.467G	35.782M	2.434009G	2.469791G	500k	1
35.4M	2.4341G	2.4695G	35.782M	2.434009G	2.469791G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	14.97	0.03141
802.11g_Nss1,(6Mbps)_2TX	20.86	0.12190
802.11n HT20_Nss1,(MCS0)_2TX	20.50	0.11220
802.11n HT40_Nss1,(MCS0)_2TX	20.58	0.11429

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.00	12.18	11.22	14.74	30.00
2437MHz_TnomVnom	Pass	4.00	12.47	11.38	14.97	30.00
2462MHz_TnomVnom	Pass	4.00	11.43	10.82	14.15	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.00	15.19	14.83	18.02	30.00
2437MHz_TnomVnom	Pass	4.00	17.86	17.83	20.86	30.00
2462MHz_TnomVnom	Pass	4.00	17.98	17.58	20.79	30.00
2417MHz_TnomVnom	Pass	4.00	17.02	17.66	20.36	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.00	15.57	14.90	18.26	30.00
2417MHz_TnomVnom	Pass	4.00	16.59	17.65	20.16	30.00
2437MHz_TnomVnom	Pass	4.00	17.50	17.48	20.50	30.00
2462MHz_TnomVnom	Pass	4.00	17.66	17.15	20.42	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.00	13.21	13.09	16.16	30.00
2437MHz_TnomVnom	Pass	4.00	17.23	17.89	20.58	30.00
2452MHz_TnomVnom	Pass	4.00	17.61	16.59	20.14	30.00
2427MHz_TnomVnom	Pass	4.00	15.99	15.75	18.88	30.00
2432MHz_TnomVnom	Pass	4.00	16.45	16.10	19.29	30.00
2447MHz_TnomVnom	Pass	4.00	17.17	17.59	20.40	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-10.34
802.11g_Nss1,(6Mbps)_2TX	-3.85
802.11n HT20_Nss1,(MCS0)_2TX	-6.37
802.11n HT40_Nss1,(MCS0)_2TX	-9.03

RBW=3kHz.

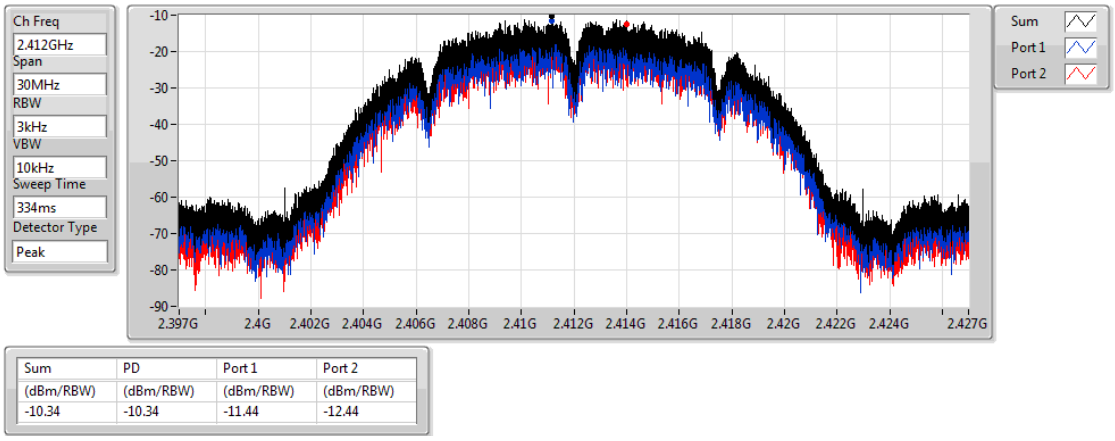
Result

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_TnomVnom	Pass	7.01	-11.44	-12.44	-10.34	6.99
2437MHz_TnomVnom	Pass	7.01	-12.11	-12.08	-10.49	6.99
2462MHz_TnomVnom	Pass	7.01	-12.00	-12.46	-10.67	6.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.01	-9.81	-9.67	-8.14	6.99
2437MHz_TnomVnom	Pass	7.01	-8.13	-7.26	-6.08	6.99
2462MHz_TnomVnom	Pass	7.01	-7.43	-5.46	-3.85	6.99
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	7.01	-9.63	-9.86	-8.42	6.99
2437MHz_TnomVnom	Pass	7.01	-8.07	-8.80	-6.83	6.99
2462MHz_TnomVnom	Pass	7.01	-7.85	-9.12	-6.37	6.99
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	7.01	-14.44	-14.89	-13.14	6.99
2437MHz_TnomVnom	Pass	7.01	-12.75	-11.79	-9.46	6.99
2452MHz_TnomVnom	Pass	7.01	-11.08	-9.96	-9.03	6.99

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

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

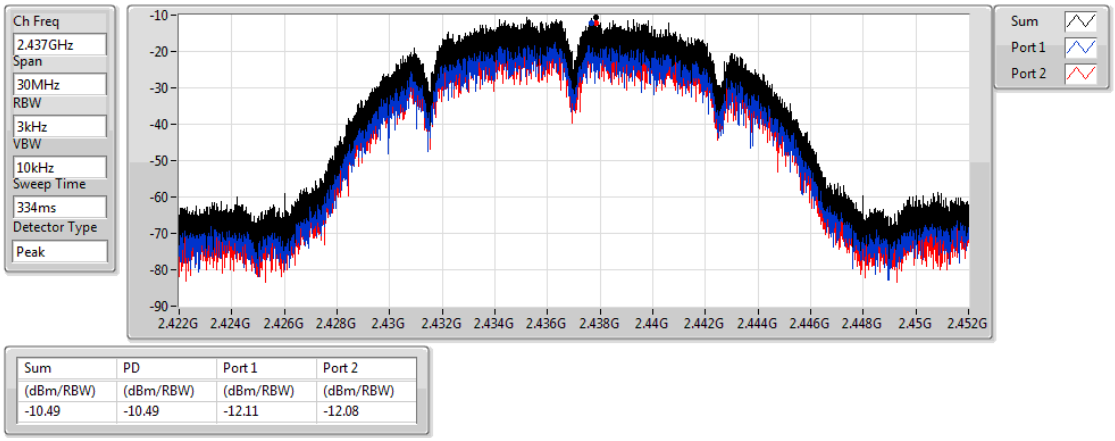
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.34	-10.34	-11.44	-12.44

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

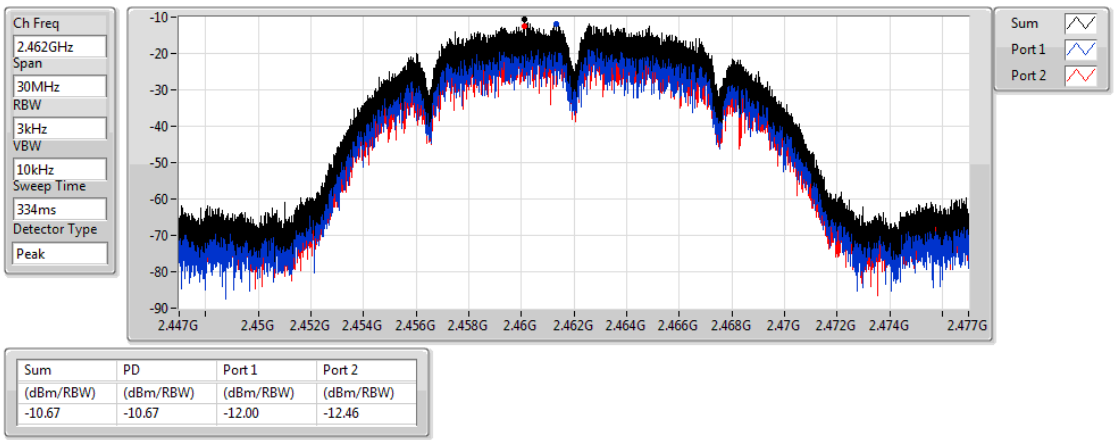
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.49	-10.49	-12.11	-12.08

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

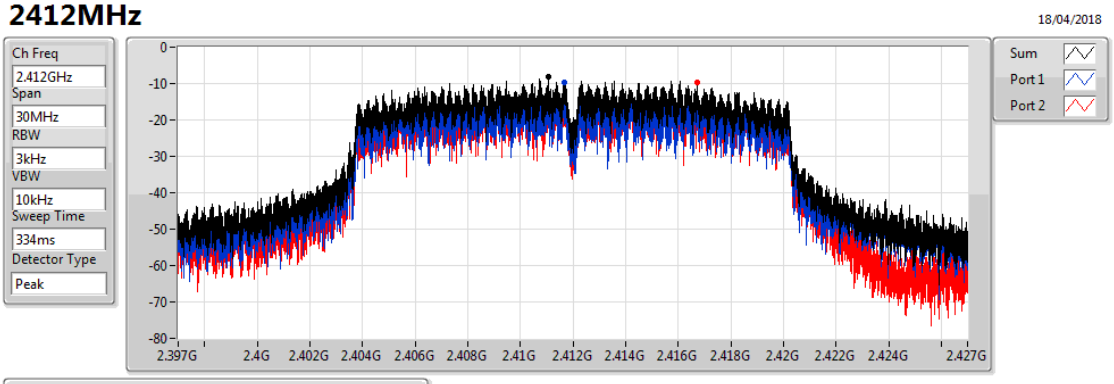
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.67	-10.67	-12.00	-12.46

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

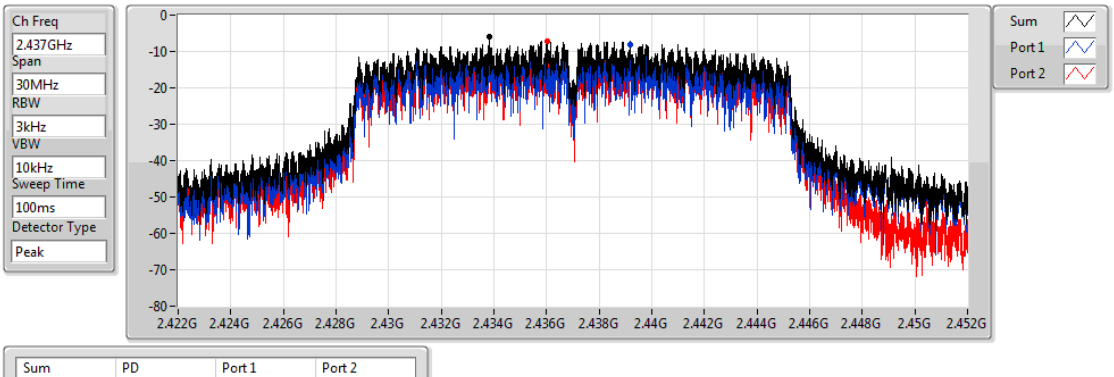
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.14	-8.14	-9.81	-9.67

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

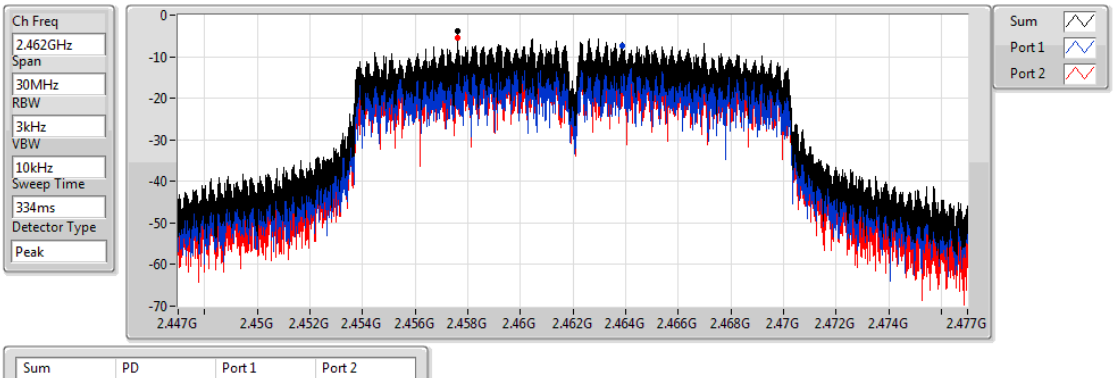
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.08	-6.08	-8.13	-7.26

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

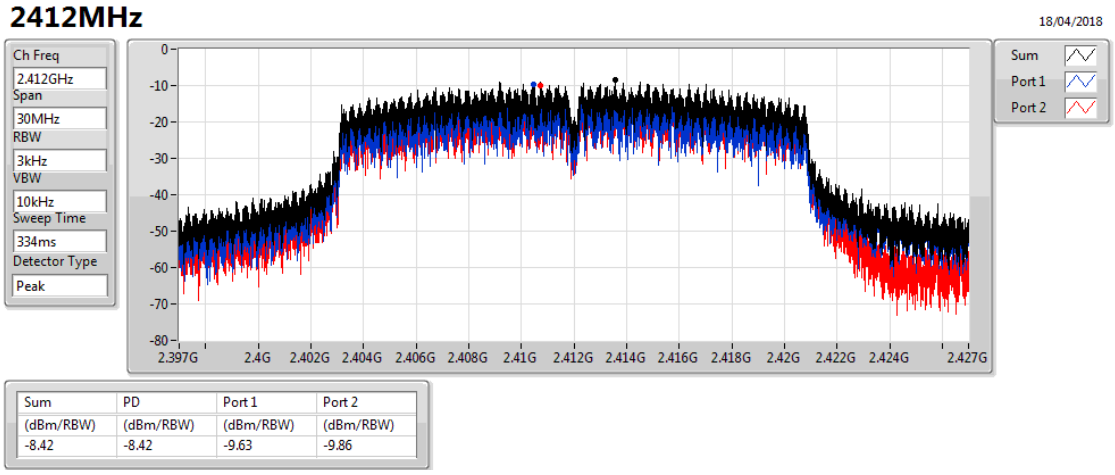
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.85	-3.85	-7.43	-5.46

802.11n HT20_Nss1,(MCS0)_2TX **PSD**

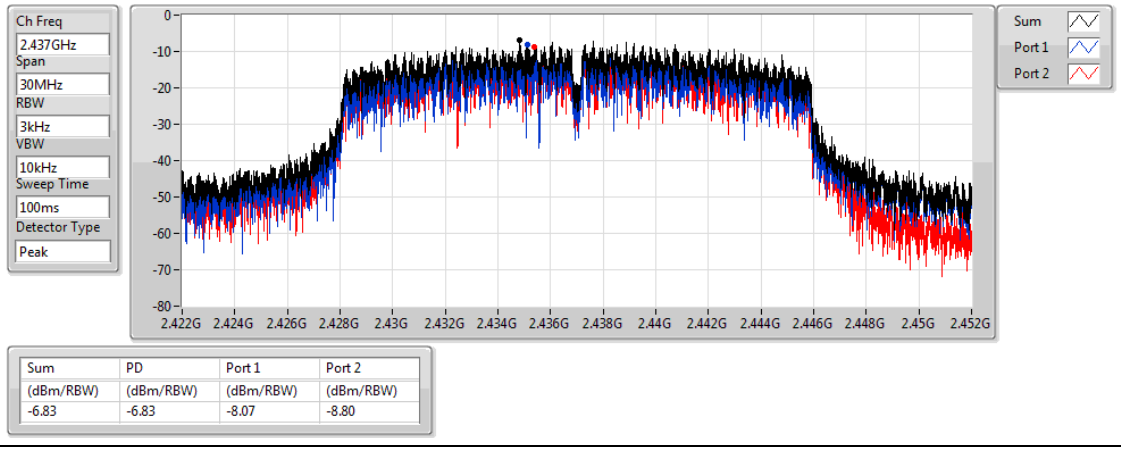
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.42	-8.42	-9.63	-9.86

802.11n HT20_Nss1,(MCS0)_2TX **PSD**

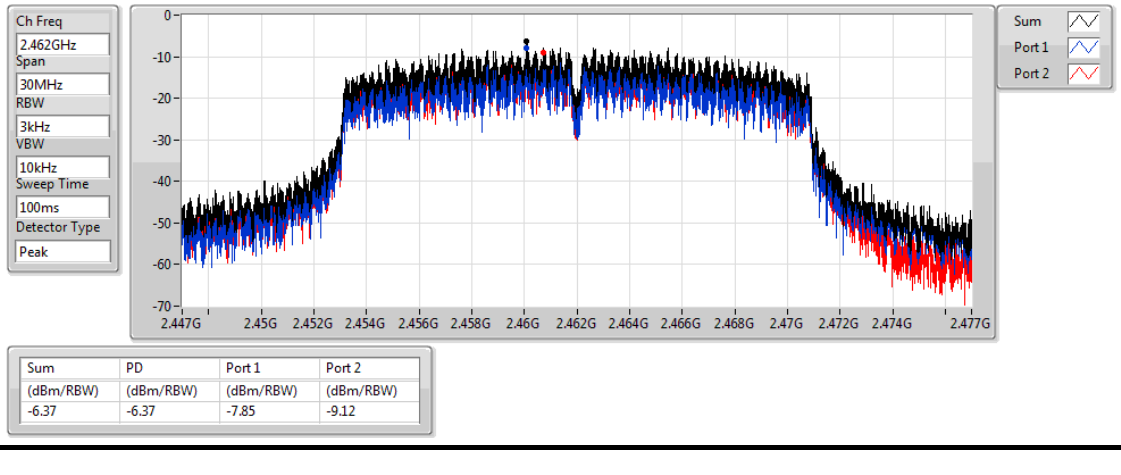
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.83	-6.83	-8.07	-8.80

802.11n HT20_Nss1,(MCS0)_2TX **PSD**

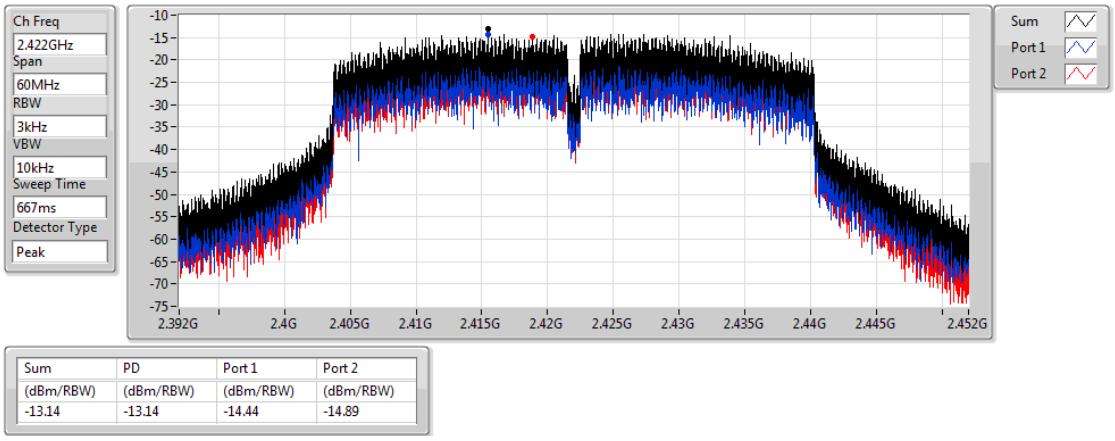
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.37	-6.37	-7.85	-9.12

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

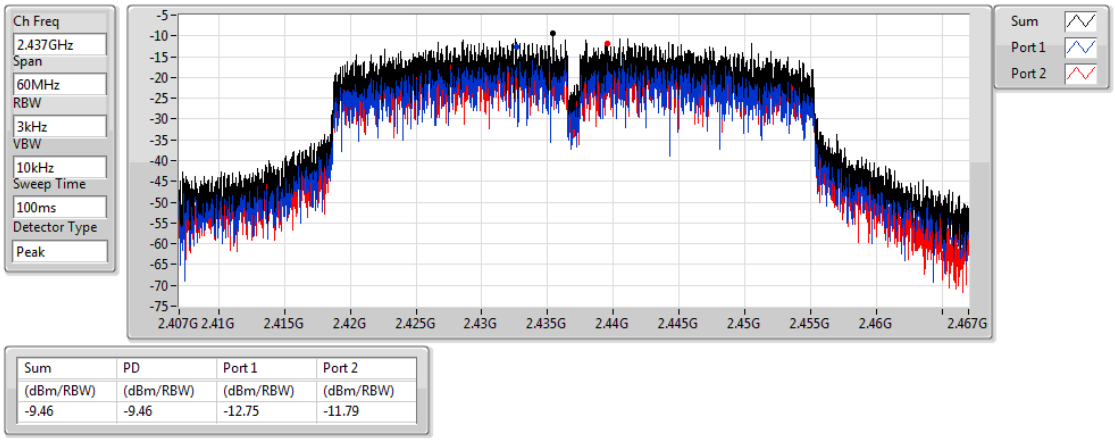
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.14	-13.14	-14.44	-14.89

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

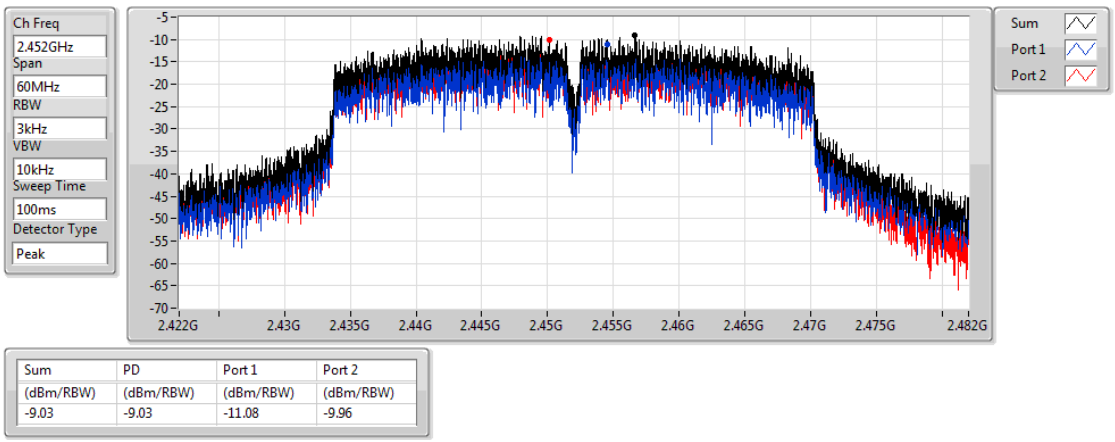
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.46	-9.46	-12.75	-11.79

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.03	-9.03	-11.08	-9.96

Summary

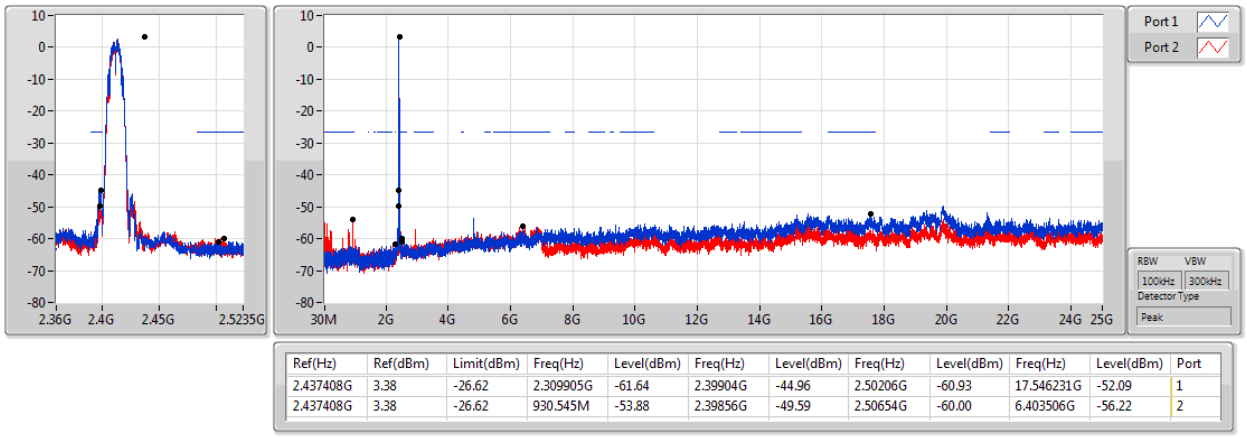
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.437408G	3.38	-26.62	2.309905G	-61.64	2.39904G	-44.96	2.50206G	-60.93	17.546231G	-52.09	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43507G	5.79	-24.21	839.675M	-61.63	2.39952G	-26.30	2.48862G	-60.06	16.234165G	-52.11	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.434402G	4.99	-25.01	2.309905G	-62.06	2.39984G	-26.90	2.49974G	-59.08	15.248009G	-52.18	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.441917G	3.62	-26.38	801.73M	-49.88	2.3984G	-26.75	2.48542G	-41.05	2.964552G	-53.82	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_TnomVnom	Pass	2.437408G	3.38	-26.62	2.309905G	-61.64	2.39904G	-44.96	2.50206G	-60.93	17.546231G	-52.09	1
2412MHz_TnomVnom	Pass	2.437408G	3.38	-26.62	930.545M	-53.88	2.39856G	-49.59	2.50654G	-60.00	6.403506G	-56.22	2
2437MHz_TnomVnom	Pass	2.437408G	3.38	-26.62	822.2M	-60.38	2.39264G	-53.56	2.48398G	-57.03	17.447896G	-49.86	1
2437MHz_TnomVnom	Pass	2.437408G	3.38	-26.62	931.71M	-51.29	2.39456G	-57.26	2.48462G	-56.51	15.267676G	-54.69	2
2462MHz_TnomVnom	Pass	2.437408G	3.38	-26.62	819.87M	-63.19	2.3912G	-60.25	2.50718G	-57.02	6.195598G	-56.75	1
2462MHz_TnomVnom	Pass	2.437408G	3.38	-26.62	31.165M	-50.60	2.39872G	-60.59	2.5067G	-57.24	16.290356G	-54.35	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43507G	5.79	-24.21	839.675M	-61.63	2.39952G	-26.30	2.48862G	-60.06	16.234165G	-52.11	1
2412MHz_TnomVnom	Pass	2.43507G	5.79	-24.21	930.545M	-50.16	2.39984G	-30.17	2.4935G	-59.29	15.138436G	-55.09	2
2437MHz_TnomVnom	Pass	2.43507G	5.79	-24.21	808.22M	-58.51	2.39864G	-49.62	2.48406G	-53.54	16.228546G	-50.20	1
2437MHz_TnomVnom	Pass	2.43507G	5.79	-24.21	811.715M	-45.98	2.3912G	-49.62	2.48414G	-50.51	2.964601G	-52.12	2
2462MHz_TnomVnom	Pass	2.43507G	5.79	-24.21	823.365M	-60.15	2.3936G	-57.33	2.48382G	-40.86	21.521762G	-56.97	1
2462MHz_TnomVnom	Pass	2.43507G	5.79	-24.21	818.705M	-44.96	2.39672G	-58.14	2.48366G	-43.83	2.989887G	-52.70	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.434402G	4.99	-25.01	2.309905G	-62.06	2.39984G	-26.90	2.49974G	-59.08	15.248009G	-52.18	1
2412MHz_TnomVnom	Pass	2.434402G	4.99	-25.01	801.23M	-50.46	2.39984G	-29.19	2.49822G	-58.85	2.939315G	-52.97	2
2437MHz_TnomVnom	Pass	2.434402G	4.99	-25.01	2.30408G	-58.28	2.39016G	-50.37	2.48462G	-53.22	15.189008G	-50.17	1
2437MHz_TnomVnom	Pass	2.434402G	4.99	-25.01	812.88M	-46.68	2.39424G	-49.80	2.48406G	-51.14	2.964601G	-52.78	2
2462MHz_TnomVnom	Pass	2.434402G	4.99	-25.01	821.035M	-56.82	2.39472G	-57.05	2.48382G	-38.36	24.592613G	-55.86	1
2462MHz_TnomVnom	Pass	2.434402G	4.99	-25.01	822.2M	-44.89	2.39144G	-58.19	2.48358G	-43.53	2.989887G	-53.61	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.441917G	3.62	-26.38	1.631855G	-61.35	2.39952G	-29.42	2.50462G	-60.35	15.186836G	-51.73	1
2422MHz_TnomVnom	Pass	2.441917G	3.62	-26.38	31.145M	-54.34	2.39984G	-31.90	2.48398G	-57.24	2.947725G	-54.66	2
2437MHz_TnomVnom	Pass	2.441917G	3.62	-26.38	805.165M	-60.68	2.39984G	-27.41	2.48478G	-36.88	16.238547G	-50.68	1
2437MHz_TnomVnom	Pass	2.441917G	3.62	-26.38	801.73M	-49.88	2.3984G	-26.75	2.48542G	-41.05	2.964552G	-53.82	2
2452MHz_TnomVnom	Pass	2.441917G	3.62	-26.38	810.89M	-61.53	2.3992G	-45.86	2.48414G	-33.61	15.273777G	-57.13	1
2452MHz_TnomVnom	Pass	2.441917G	3.62	-26.38	812.035M	-50.19	2.39968G	-48.64	2.48478G	-40.18	2.978575G	-54.27	2

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

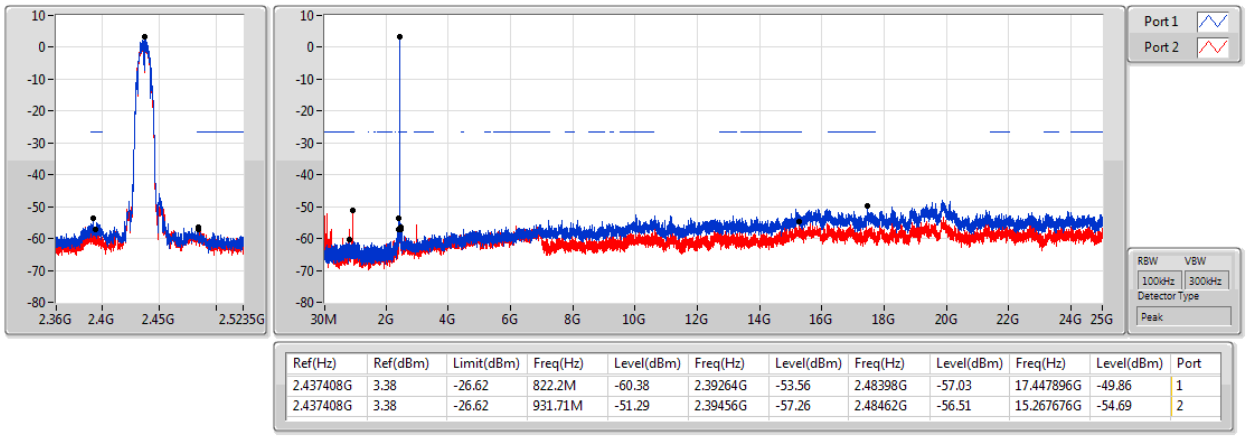
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	3.38	-26.62	2.309905G	-61.64	2.39904G	-44.96	2.50206G	-60.93	17.546231G	-52.09	1
2.437408G	3.38	-26.62	930.545M	-53.88	2.39856G	-49.59	2.50654G	-60.00	6.403506G	-56.22	2

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

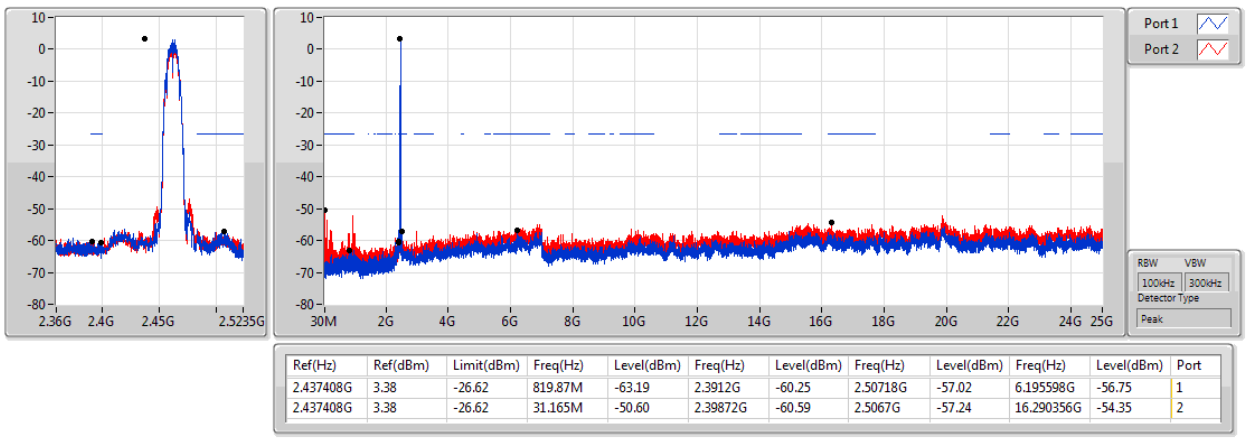
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	3.38	-26.62	822.2M	-60.38	2.39264G	-53.56	2.48398G	-57.03	17.447896G	-49.86	1
2.437408G	3.38	-26.62	931.71M	-51.29	2.39456G	-57.26	2.48462G	-56.51	15.267676G	-54.69	2

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

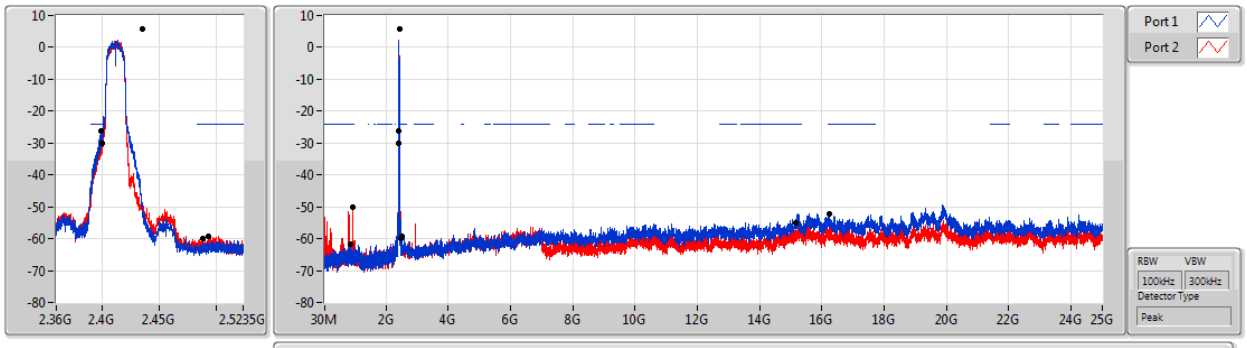
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437408G	3.38	-26.62	819.87M	-63.19	2.3912G	-60.25	2.50718G	-57.02	6.195598G	-56.75	1
2.437408G	3.38	-26.62	31.165M	-50.60	2.39872G	-60.59	2.5067G	-57.24	16.290356G	-54.35	2

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

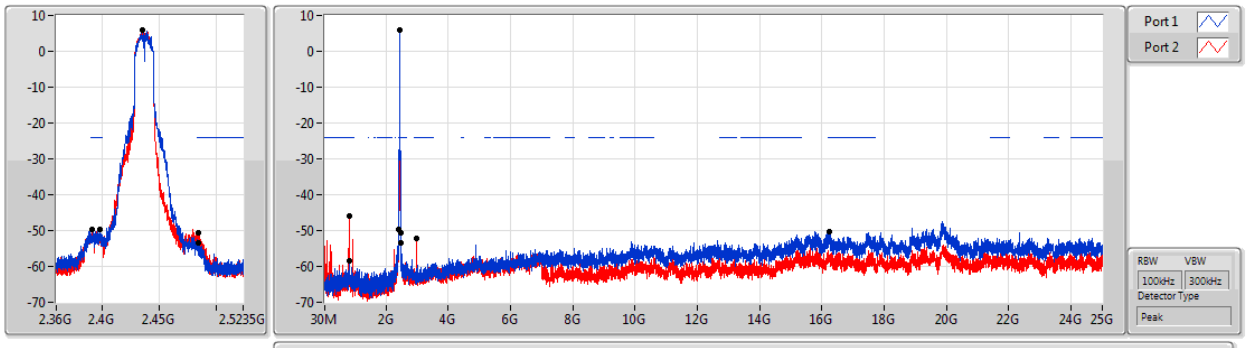
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	5.79	-24.21	839.675M	-61.63	2.39952G	-26.30	2.48862G	-60.06	16.234165G	-52.11	1
2.43507G	5.79	-24.21	930.545M	-50.16	2.39984G	-30.17	2.4935G	-59.29	15.138436G	-55.09	2

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

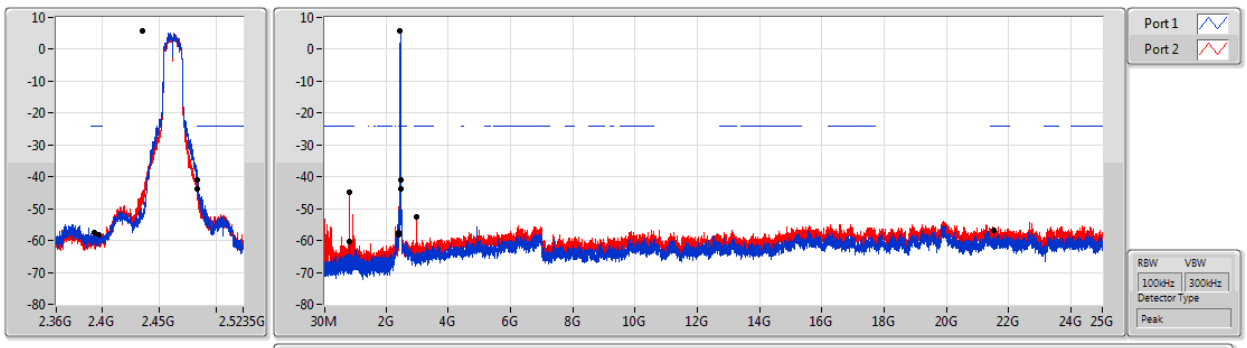
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	5.79	-24.21	808.22M	-58.51	2.39864G	-49.62	2.48406G	-53.54	16.228546G	-50.20	1
2.43507G	5.79	-24.21	811.715M	-45.98	2.3912G	-49.62	2.48414G	-50.51	2.964601G	-52.12	2

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

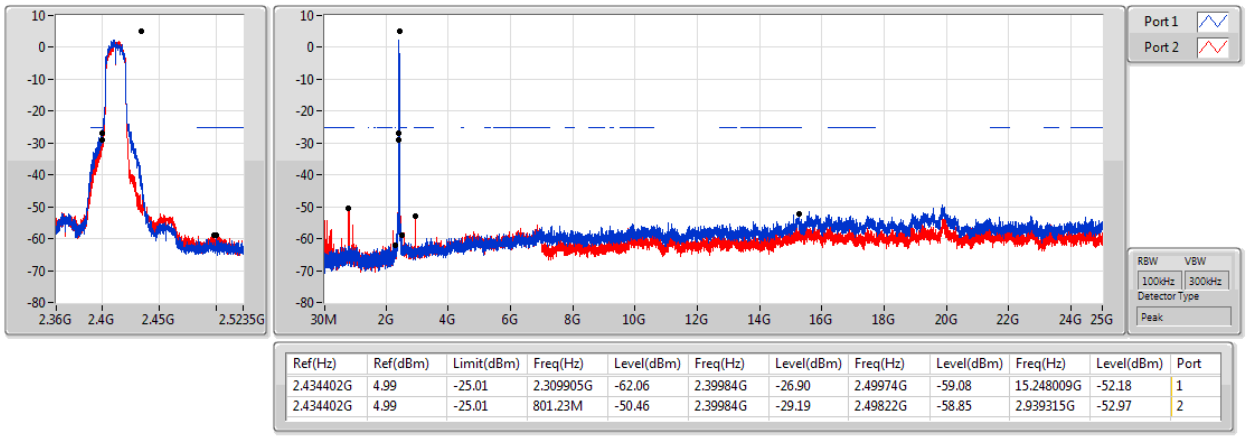
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43507G	5.79	-24.21	823.365M	-60.15	2.3936G	-57.33	2.48382G	-40.86	21.521762G	-56.97	1
2.43507G	5.79	-24.21	818.705M	-44.96	2.39672G	-58.14	2.48366G	-43.83	2.989887G	-52.70	2

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

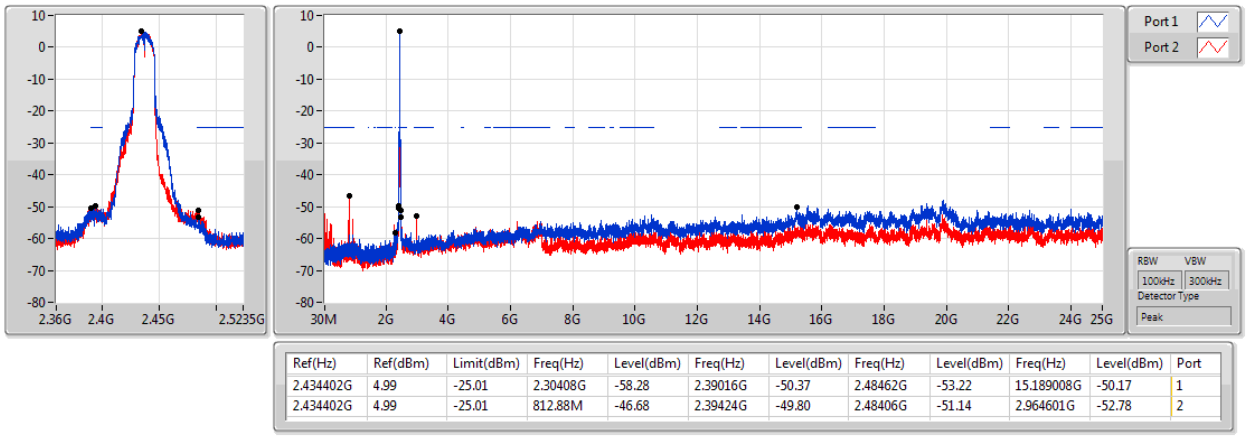
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	4.99	-25.01	2.309905G	-62.06	2.39984G	-26.90	2.49974G	-59.08	15.248009G	-52.18	1
2.434402G	4.99	-25.01	801.23M	-50.46	2.39984G	-29.19	2.49822G	-58.85	2.939315G	-52.97	2

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

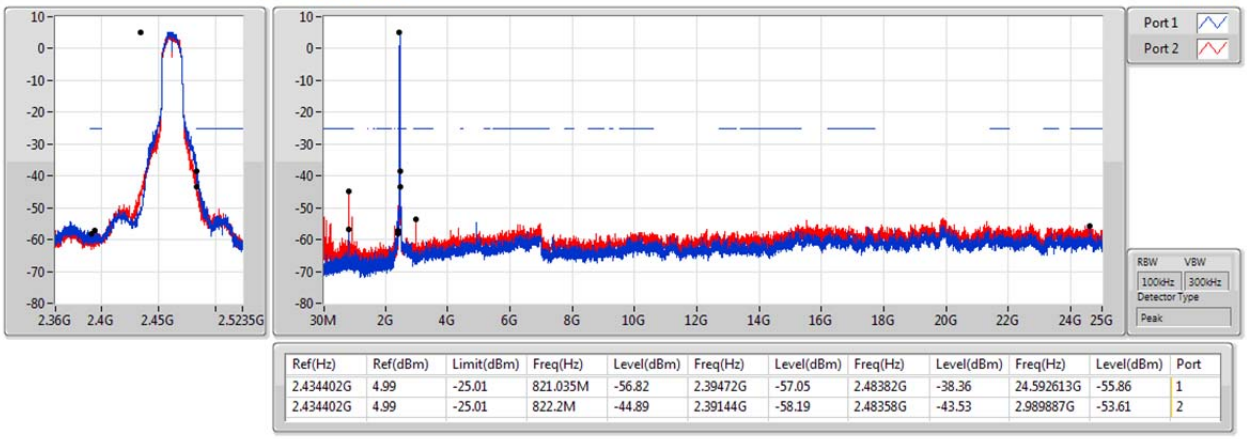
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	4.99	-25.01	2.30408G	-58.28	2.39016G	-50.37	2.48462G	-53.22	15.189008G	-50.17	1
2.434402G	4.99	-25.01	812.88M	-46.68	2.39424G	-49.80	2.48406G	-51.14	2.964601G	-52.78	2

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

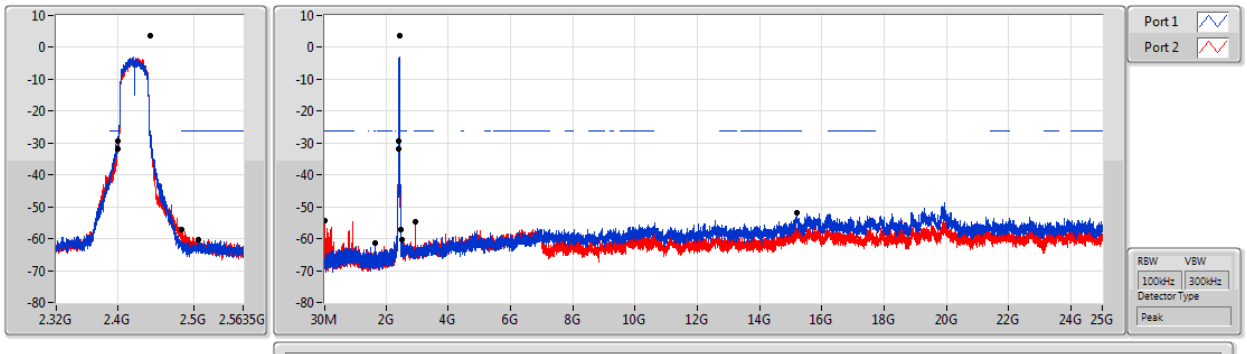
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434402G	4.99	-25.01	821.035M	-56.82	2.39472G	-57.05	2.48382G	-38.36	24.592613G	-55.86	1
2.434402G	4.99	-25.01	822.2M	-44.89	2.39144G	-58.19	2.48358G	-43.53	2.989887G	-53.61	2

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

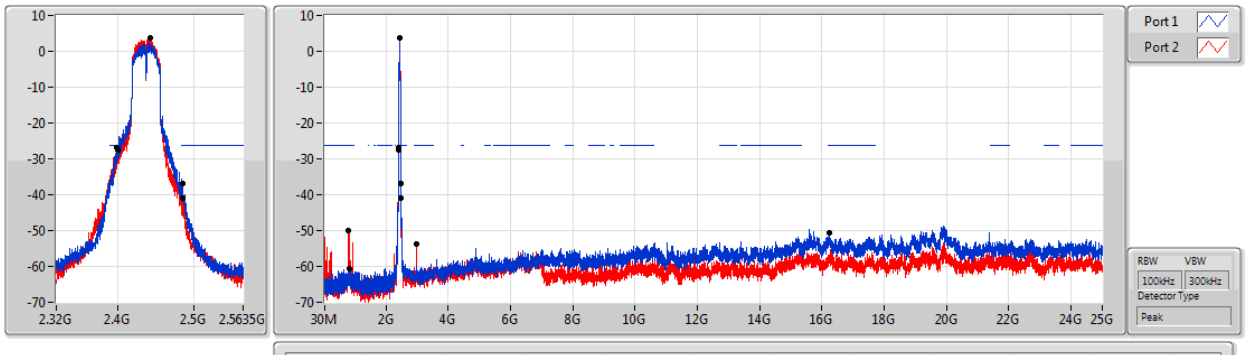
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	3.62	-26.38	1.631855G	-61.35	2.39952G	-29.42	2.50462G	-60.35	15.186836G	-51.73	1
2.441917G	3.62	-26.38	31.145M	-54.34	2.39984G	-31.90	2.48398G	-57.24	2.947725G	-54.66	2

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

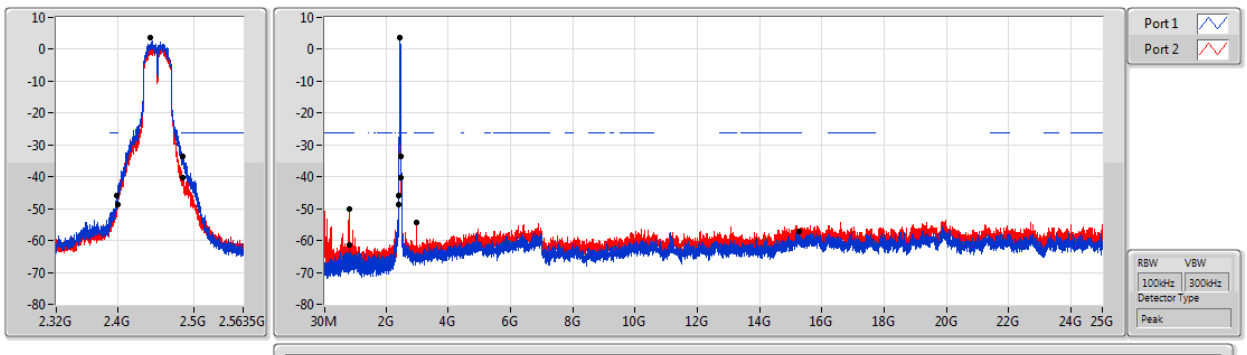
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	3.62	-26.38	805.165M	-60.68	2.39984G	-27.41	2.48478G	-36.88	16.238547G	-50.68	1
2.441917G	3.62	-26.38	801.73M	-49.88	2.3984G	-26.75	2.48542G	-41.05	2.964552G	-53.82	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
2.441917G	3.62	-26.38	810.89M	-61.53	2.3992G	-45.86	2.48414G	-33.61	15.273777G	-57.13	1
2.441917G	3.62	-26.38	812.035M	-50.19	2.39968G	-48.64	2.48478G	-40.18	2.978575G	-54.27	2

Summary

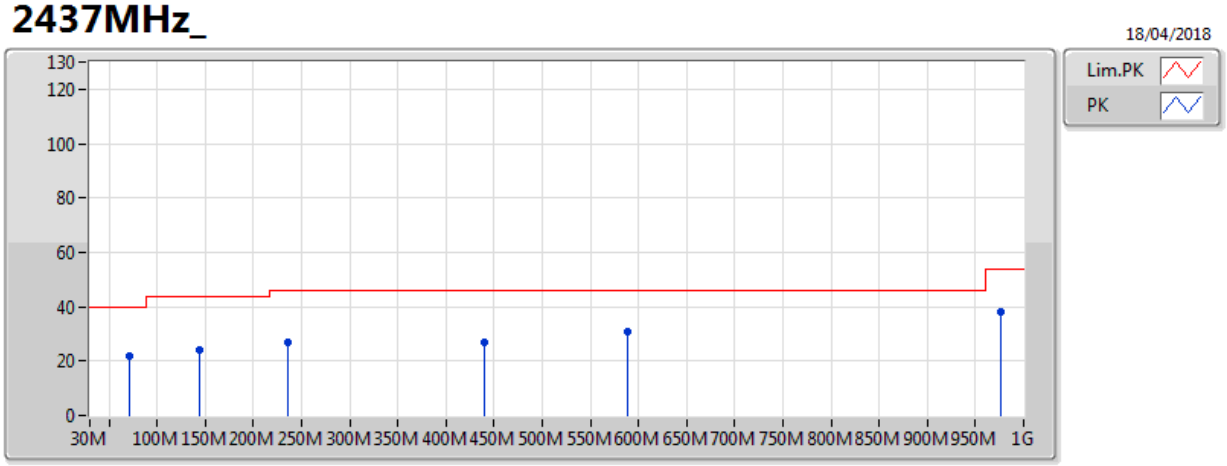
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	313.24M	31.11	46.00	-14.89	-16.45	3	Horizontal	360	1.00	-

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	57.16M	22.59	40.00	-17.41	-25.36	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	109.54M	20.29	43.50	-23.21	-20.06	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	237.58M	29.14	46.00	-16.86	-18.91	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	313.24M	31.11	46.00	-14.89	-16.45	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	588.72M	27.52	46.00	-18.48	-10.93	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	980.6M	30.53	54.00	-23.47	-4.67	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	70.74M	21.68	40.00	-18.32	-25.07	3	Vertical	0	1.00	-
2437MHz	Pass	PK	144.46M	23.97	43.50	-19.53	-19.37	3	Vertical	0	1.00	-
2437MHz	Pass	PK	235.64M	26.80	46.00	-19.20	-19.13	3	Vertical	0	1.00	-
2437MHz	Pass	PK	439.34M	27.14	46.00	-18.86	-13.03	3	Vertical	0	1.00	-
2437MHz	Pass	PK	588.72M	30.96	46.00	-15.04	-10.93	3	Vertical	0	1.00	-
2437MHz	Pass	PK	976.72M	37.84	54.00	-16.16	-4.65	3	Vertical	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

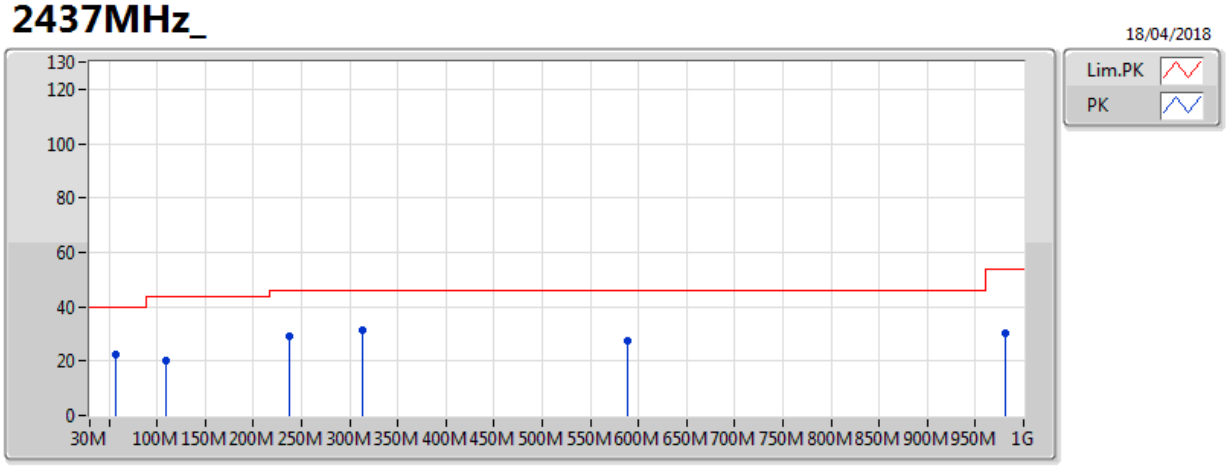
2437MHz_



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	70.74M	21.68	40.00	-18.32	-25.07	3	Vertical	0	1.00	-	46.75	11.45	0.48	37.00
PK	144.46M	23.97	43.50	-19.53	-19.37	3	Vertical	0	1.00	-	43.34	16.47	0.77	36.61
PK	235.64M	26.80	46.00	-19.20	-19.13	3	Vertical	0	1.00	-	45.93	16.05	1.22	36.40
PK	439.34M	27.14	46.00	-18.86	-13.03	3	Vertical	0	1.00	-	40.17	22.16	1.54	36.73
PK	588.72M	30.96	46.00	-15.04	-10.93	3	Vertical	0	1.00	-	41.89	24.59	1.64	37.16
PK	976.72M	37.84	54.00	-16.16	-4.65	3	Vertical	0	1.00	-	42.49	30.10	2.48	37.23

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_



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	57.16M	22.59	40.00	-17.41	-25.36	3	Horizontal	360	1.00	-	47.95	11.30	0.44	37.10
PK	109.54M	20.29	43.50	-23.21	-20.06	3	Horizontal	360	1.00	-	40.35	16.10	0.60	36.76
PK	237.58M	29.14	46.00	-16.86	-18.91	3	Horizontal	360	1.00	-	48.05	16.27	1.23	36.40
PK	313.24M	31.11	46.00	-14.89	-16.45	3	Horizontal	360	1.00	-	47.56	18.55	1.46	36.46
PK	588.72M	27.52	46.00	-18.48	-10.93	3	Horizontal	360	1.00	-	38.45	24.59	1.64	37.16
PK	980.6M	30.53	54.00	-23.47	-4.67	3	Horizontal	360	1.00	-	35.20	30.05	2.49	37.22

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.82399G	53.82	54.00	-0.18	1.92	3	Vertical	187	2.55	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.389998G	53.85	54.00	-0.15	30.91	3	Vertical	260	0.00	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	4.9228G	53.77	54.00	-0.23	2.15	3	Vertical	189	2.04	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.389998G	53.85	54.00	-0.15	30.91	3	Vertical	261	3.11	-

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	2.3896G	45.67	54.00	-8.33	30.91	3	Horizontal	118	3.12	-
2412MHz	Pass	AV	2.4128G	91.66	Inf	-Inf	30.98	3	Horizontal	118	3.12	-
2412MHz	Pass	PK	2.3676G	56.82	74.00	-17.18	30.84	3	Horizontal	118	3.12	-
2412MHz	Pass	PK	2.413G	94.15	Inf	-Inf	30.98	3	Horizontal	118	3.12	-
2412MHz	Pass	AV	2.3718G	45.94	54.00	-8.06	30.86	3	Vertical	263	3.08	-
2412MHz	Pass	AV	2.4138G	96.83	Inf	-Inf	30.98	3	Vertical	263	3.08	-
2412MHz	Pass	PK	2.376G	57.50	74.00	-16.50	30.86	3	Vertical	263	3.08	-
2412MHz	Pass	PK	2.4148G	99.15	Inf	-Inf	30.99	3	Vertical	263	3.08	-
2412MHz	Pass	AV	4.824G	48.89	54.00	-5.11	1.92	3	Horizontal	359	3.19	-
2412MHz	Pass	PK	4.82403G	52.16	74.00	-21.84	1.92	3	Horizontal	359	3.19	-
2412MHz	Pass	AV	4.82399G	53.82	54.00	-0.18	1.92	3	Vertical	187	2.55	-
2412MHz	Pass	PK	4.82395G	55.91	74.00	-18.09	1.92	3	Vertical	187	2.55	-
2437MHz	Pass	AV	2.337G	47.50	54.00	-6.50	30.75	3	Horizontal	124	2.72	-
2437MHz	Pass	AV	2.4382G	92.28	Inf	-Inf	31.06	3	Horizontal	124	2.72	-
2437MHz	Pass	AV	2.4986G	48.22	54.00	-5.78	31.26	3	Horizontal	124	2.72	-
2437MHz	Pass	PK	2.3386G	58.46	74.00	-15.54	30.75	3	Horizontal	124	2.72	-
2437MHz	Pass	PK	2.4386G	95.46	Inf	-Inf	31.06	3	Horizontal	124	2.72	-
2437MHz	Pass	PK	2.4894G	58.68	74.00	-15.32	31.23	3	Horizontal	124	2.72	-
2437MHz	Pass	AV	2.3878G	47.46	54.00	-6.54	30.90	3	Vertical	136	1.02	-
2437MHz	Pass	AV	2.4382G	97.50	Inf	-Inf	31.06	3	Vertical	136	1.02	-
2437MHz	Pass	AV	2.485G	48.18	54.00	-5.82	31.22	3	Vertical	136	1.02	-
2437MHz	Pass	PK	2.359G	58.56	74.00	-15.44	30.82	3	Vertical	136	1.02	-
2437MHz	Pass	PK	2.4386G	100.65	Inf	-Inf	31.06	3	Vertical	136	1.02	-
2437MHz	Pass	PK	2.485G	58.24	74.00	-15.76	31.22	3	Vertical	136	1.02	-
2437MHz	Pass	AV	4.87397G	44.68	54.00	-9.32	2.03	3	Horizontal	115	1.25	-
2437MHz	Pass	PK	4.874G	50.32	74.00	-23.68	2.03	3	Horizontal	115	1.25	-
2437MHz	Pass	AV	4.87398G	53.58	54.00	-0.42	2.03	3	Vertical	192	2.17	-
2437MHz	Pass	PK	4.87394G	56.43	74.00	-17.57	2.03	3	Vertical	192	2.17	-
2462MHz	Pass	AV	2.4604G	86.15	Inf	-Inf	31.13	3	Horizontal	46	1.10	-
2462MHz	Pass	AV	2.498G	46.42	54.00	-7.58	31.26	3	Horizontal	46	1.10	-
2462MHz	Pass	PK	2.4612G	88.63	Inf	-Inf	31.14	3	Horizontal	46	1.10	-
2462MHz	Pass	PK	2.4942G	58.48	74.00	-15.52	31.24	3	Horizontal	46	1.10	-
2462MHz	Pass	AV	2.4632G	96.39	Inf	-Inf	31.14	3	Vertical	175	1.25	-
2462MHz	Pass	AV	2.4982G	48.47	54.00	-5.53	31.26	3	Vertical	175	1.25	-
2462MHz	Pass	PK	2.4634G	99.56	Inf	-Inf	31.14	3	Vertical	175	1.25	-
2462MHz	Pass	PK	2.4996G	59.64	74.00	-14.36	31.26	3	Vertical	175	1.25	-
2462MHz	Pass	AV	4.924016G	43.61	54.00	-10.39	2.15	3	Horizontal	116	1.46	-
2462MHz	Pass	PK	4.9241G	49.70	74.00	-24.30	2.16	3	Horizontal	116	1.46	-
2462MHz	Pass	AV	4.92401G	53.19	54.00	-0.81	2.15	3	Vertical	190	2.04	-
2462MHz	Pass	PK	4.924G	55.98	74.00	-18.02	2.15	3	Vertical	190	2.04	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	47.94	54.00	-6.06	30.91	3	Horizontal	118	0.00	-
2412MHz	Pass	AV	2.414G	95.17	Inf	-Inf	30.98	3	Horizontal	118	0.00	-
2412MHz	Pass	PK	2.3898G	61.29	74.00	-12.71	30.91	3	Horizontal	118	0.00	-
2412MHz	Pass	PK	2.414G	103.81	Inf	-Inf	30.98	3	Horizontal	118	0.00	-
2412MHz	Pass	AV	2.389998G	53.85	54.00	-0.15	30.91	3	Vertical	260	0.00	-
2412MHz	Pass	AV	2.4128G	100.95	Inf	-Inf	30.98	3	Vertical	260	0.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.389998G	67.47	74.00	-6.53	30.91	3	Vertical	260	0.00	-
2412MHz	Pass	PK	2.415G	109.53	Inf	-Inf	30.99	3	Vertical	260	0.00	-
2412MHz	Pass	AV	4.8226G	47.60	54.00	-6.40	1.91	3	Horizontal	141	0.00	-
2412MHz	Pass	PK	4.8227G	59.93	74.00	-14.07	1.91	3	Horizontal	141	0.00	-
2412MHz	Pass	AV	4.8226G	52.40	54.00	-1.60	1.91	3	Vertical	45	0.00	-
2412MHz	Pass	PK	4.8224G	65.17	74.00	-8.83	1.91	3	Vertical	45	0.00	-
2417MHz	Pass	AV	2.389998G	45.04	54.00	-8.96	30.57	3	Horizontal	135	2.83	-
2417MHz	Pass	AV	2.4194G	94.64	Inf	-Inf	30.68	3	Horizontal	135	2.83	-
2417MHz	Pass	PK	2.3822G	55.30	74.00	-18.70	30.55	3	Horizontal	135	2.83	-
2417MHz	Pass	PK	2.415G	101.70	Inf	-Inf	30.66	3	Horizontal	135	2.83	-
2417MHz	Pass	AV	2.389998G	47.84	54.00	-6.16	30.57	3	Vertical	270	3.08	-
2417MHz	Pass	AV	2.4178G	100.97	Inf	-Inf	30.67	3	Vertical	270	3.08	-
2417MHz	Pass	PK	2.3892G	58.32	74.00	-15.68	30.57	3	Vertical	270	3.08	-
2417MHz	Pass	PK	2.4182G	108.20	Inf	-Inf	30.68	3	Vertical	270	3.08	-
2437MHz	Pass	AV	2.3438G	45.69	54.00	-8.31	30.77	3	Horizontal	119	3.09	-
2437MHz	Pass	AV	2.4342G	95.37	Inf	-Inf	31.05	3	Horizontal	119	3.09	-
2437MHz	Pass	AV	2.483502G	46.65	54.00	-7.35	31.21	3	Horizontal	119	3.09	-
2437MHz	Pass	PK	2.3698G	57.44	74.00	-16.56	30.85	3	Horizontal	119	3.09	-
2437MHz	Pass	PK	2.439G	104.06	Inf	-Inf	31.06	3	Horizontal	119	3.09	-
2437MHz	Pass	PK	2.4978G	58.27	74.00	-15.73	31.25	3	Horizontal	119	3.09	-
2437MHz	Pass	AV	2.3894G	46.75	54.00	-7.25	30.91	3	Vertical	264	2.70	-
2437MHz	Pass	AV	2.4386G	100.87	Inf	-Inf	31.06	3	Vertical	264	2.70	-
2437MHz	Pass	AV	2.483502G	47.46	54.00	-6.54	31.21	3	Vertical	264	2.70	-
2437MHz	Pass	PK	2.367G	57.36	74.00	-16.64	30.83	3	Vertical	264	2.70	-
2437MHz	Pass	PK	2.4346G	109.07	Inf	-Inf	31.05	3	Vertical	264	2.70	-
2437MHz	Pass	PK	2.4922G	57.24	74.00	-16.76	31.23	3	Vertical	264	2.70	-
2437MHz	Pass	AV	4.8724G	48.67	54.00	-5.33	2.03	3	Horizontal	115	2.29	-
2437MHz	Pass	PK	4.8773G	60.75	74.00	-13.25	2.04	3	Horizontal	115	2.29	-
2437MHz	Pass	AV	4.8731G	53.72	54.00	-0.28	2.03	3	Vertical	192	2.18	-
2437MHz	Pass	PK	4.8735G	66.86	74.00	-7.14	2.03	3	Vertical	192	2.18	-
2462MHz	Pass	AV	2.4596G	95.20	Inf	-Inf	31.13	3	Horizontal	120	3.03	-
2462MHz	Pass	AV	2.483502G	47.46	54.00	-6.54	31.21	3	Horizontal	120	3.03	-
2462MHz	Pass	PK	2.4648G	104.15	Inf	-Inf	31.15	3	Horizontal	120	3.03	-
2462MHz	Pass	PK	2.4836G	58.80	74.00	-15.20	31.21	3	Horizontal	120	3.03	-
2462MHz	Pass	AV	2.4638G	97.92	Inf	-Inf	31.14	3	Vertical	176	1.27	-
2462MHz	Pass	AV	2.483502G	48.42	54.00	-5.58	31.21	3	Vertical	176	1.27	-
2462MHz	Pass	PK	2.4598G	106.37	Inf	-Inf	31.13	3	Vertical	176	1.27	-
2462MHz	Pass	PK	2.4836G	61.25	74.00	-12.75	31.21	3	Vertical	176	1.27	-
2462MHz	Pass	AV	4.922G	43.30	54.00	-10.70	2.15	3	Horizontal	116	2.28	-
2462MHz	Pass	PK	4.9231G	55.16	74.00	-18.84	2.15	3	Horizontal	116	2.28	-
2462MHz	Pass	AV	4.9234G	53.70	54.00	-0.30	2.15	3	Vertical	189	2.07	-
2462MHz	Pass	PK	4.9228G	66.13	74.00	-7.87	2.15	3	Vertical	189	2.07	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	47.25	54.00	-6.75	30.91	3	Horizontal	123	2.84	-
2412MHz	Pass	AV	2.4104G	90.99	Inf	-Inf	30.97	3	Horizontal	123	2.84	-
2412MHz	Pass	PK	2.389998G	57.52	74.00	-16.48	30.91	3	Horizontal	123	2.84	-
2412MHz	Pass	PK	2.4094G	99.69	Inf	-Inf	30.97	3	Horizontal	123	2.84	-
2412MHz	Pass	AV	2.389998G	50.27	54.00	-3.73	30.91	3	Vertical	251	3.09	-
2412MHz	Pass	AV	2.4136G	97.43	Inf	-Inf	30.98	3	Vertical	251	3.09	-

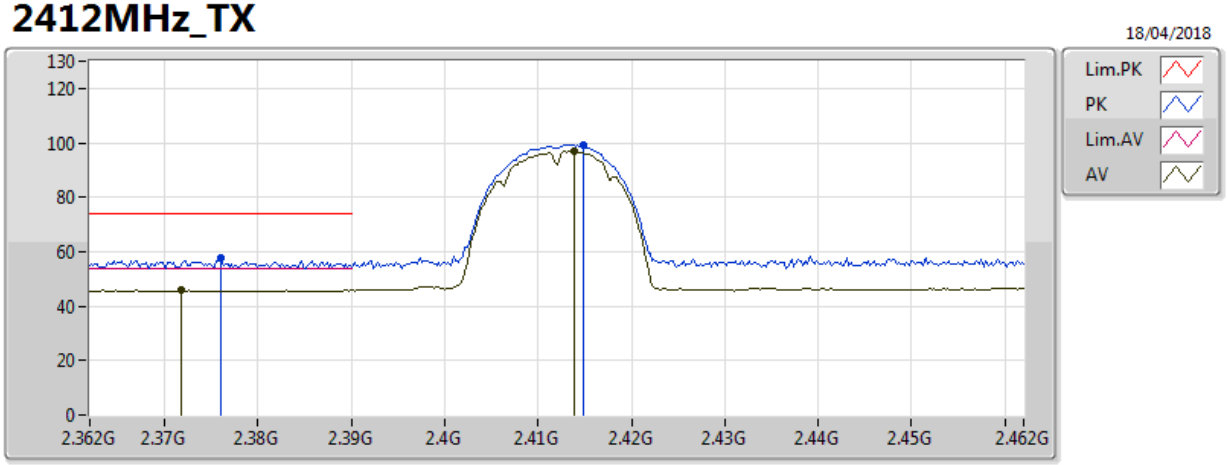
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.3898G	61.34	74.00	-12.66	30.91	3	Vertical	251	3.09	-
2412MHz	Pass	PK	2.4124G	106.04	Inf	-Inf	30.98	3	Vertical	251	3.09	-
2412MHz	Pass	AV	4.8195G	44.18	54.00	-9.82	1.90	3	Horizontal	142	3.17	-
2412MHz	Pass	PK	4.8186G	57.26	74.00	-16.74	1.90	3	Horizontal	142	3.17	-
2412MHz	Pass	AV	4.8211G	53.58	54.00	-0.42	1.91	3	Vertical	285	2.57	-
2412MHz	Pass	PK	4.8209G	66.20	74.00	-7.80	1.91	3	Vertical	285	2.57	-
2417MHz	Pass	AV	2.389998G	44.96	54.00	-9.04	30.57	3	Horizontal	136	2.85	-
2417MHz	Pass	AV	2.418G	94.42	Inf	-Inf	30.67	3	Horizontal	136	2.85	-
2417MHz	Pass	PK	2.3806G	54.46	74.00	-19.54	30.55	3	Horizontal	136	2.85	-
2417MHz	Pass	PK	2.4182G	101.68	Inf	-Inf	30.68	3	Horizontal	136	2.85	-
2417MHz	Pass	AV	2.389998G	49.19	54.00	-4.81	30.57	3	Vertical	262	2.76	-
2417MHz	Pass	AV	2.416G	100.95	Inf	-Inf	30.67	3	Vertical	262	2.76	-
2417MHz	Pass	PK	2.3894G	60.97	74.00	-13.03	30.57	3	Vertical	262	2.76	-
2417MHz	Pass	PK	2.4142G	108.72	Inf	-Inf	30.66	3	Vertical	262	2.76	-
2437MHz	Pass	AV	2.3442G	45.97	54.00	-8.03	30.77	3	Horizontal	120	2.42	-
2437MHz	Pass	AV	2.4402G	91.49	Inf	-Inf	31.07	3	Horizontal	120	2.42	-
2437MHz	Pass	AV	2.495G	46.41	54.00	-7.59	31.25	3	Horizontal	120	2.42	-
2437MHz	Pass	PK	2.3766G	57.73	74.00	-16.27	30.87	3	Horizontal	120	2.42	-
2437MHz	Pass	PK	2.4414G	99.79	Inf	-Inf	31.07	3	Horizontal	120	2.42	-
2437MHz	Pass	PK	2.4982G	57.18	74.00	-16.82	31.26	3	Horizontal	120	2.42	-
2437MHz	Pass	AV	2.3894G	46.49	54.00	-7.51	30.91	3	Vertical	265	2.71	-
2437MHz	Pass	AV	2.4382G	100.14	Inf	-Inf	31.06	3	Vertical	265	2.71	-
2437MHz	Pass	AV	2.485G	47.21	54.00	-6.79	31.22	3	Vertical	265	2.71	-
2437MHz	Pass	PK	2.341G	58.51	74.00	-15.49	30.75	3	Vertical	265	2.71	-
2437MHz	Pass	PK	2.4402G	108.95	Inf	-Inf	31.07	3	Vertical	265	2.71	-
2437MHz	Pass	PK	2.4854G	58.17	74.00	-15.83	31.22	3	Vertical	265	2.71	-
2437MHz	Pass	AV	4.8692G	44.40	54.00	-9.60	2.02	3	Horizontal	116	2.33	-
2437MHz	Pass	PK	4.8677G	57.66	74.00	-16.34	2.02	3	Horizontal	116	2.33	-
2437MHz	Pass	AV	4.8706G	53.52	54.00	-0.48	2.02	3	Vertical	189	2.27	-
2437MHz	Pass	PK	4.871G	65.63	74.00	-8.37	2.02	3	Vertical	189	2.27	-
2462MHz	Pass	AV	2.4632G	93.68	Inf	-Inf	31.14	3	Horizontal	123	3.06	-
2462MHz	Pass	AV	2.483502G	48.42	54.00	-5.58	31.21	3	Horizontal	123	3.06	-
2462MHz	Pass	PK	2.4642G	102.66	Inf	-Inf	31.15	3	Horizontal	123	3.06	-
2462MHz	Pass	PK	2.4836G	59.71	74.00	-14.29	31.21	3	Horizontal	123	3.06	-
2462MHz	Pass	AV	2.4608G	97.95	Inf	-Inf	31.13	3	Vertical	240	1.21	-
2462MHz	Pass	AV	2.483502G	49.08	54.00	-4.92	31.21	3	Vertical	240	1.21	-
2462MHz	Pass	PK	2.4604G	107.26	Inf	-Inf	31.13	3	Vertical	240	1.21	-
2462MHz	Pass	PK	2.4842G	59.71	74.00	-14.29	31.21	3	Vertical	240	1.21	-
2462MHz	Pass	AV	4.9223G	42.52	54.00	-11.48	2.15	3	Horizontal	116	1.46	-
2462MHz	Pass	PK	4.9227G	54.20	74.00	-19.80	2.15	3	Horizontal	116	1.46	-
2462MHz	Pass	AV	4.9228G	53.77	54.00	-0.23	2.15	3	Vertical	189	2.04	-
2462MHz	Pass	PK	4.9234G	66.09	74.00	-7.91	2.15	3	Vertical	189	2.04	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.389998G	48.79	54.00	-5.21	30.91	3	Horizontal	122	2.79	-
2422MHz	Pass	AV	2.428G	86.52	Inf	-Inf	31.03	3	Horizontal	122	2.79	-
2422MHz	Pass	AV	2.4868G	46.67	54.00	-7.33	31.22	3	Horizontal	122	2.79	-
2422MHz	Pass	PK	2.384G	58.80	74.00	-15.20	30.89	3	Horizontal	122	2.79	-
2422MHz	Pass	PK	2.4268G	95.15	Inf	-Inf	31.03	3	Horizontal	122	2.79	-
2422MHz	Pass	PK	2.494G	57.81	74.00	-16.19	31.24	3	Horizontal	122	2.79	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	2.389998G	53.85	54.00	-0.15	30.91	3	Vertical	261	3.11	-
2422MHz	Pass	AV	2.4264G	93.18	Inf	-Inf	31.02	3	Vertical	261	3.11	-
2422MHz	Pass	AV	2.498G	46.42	54.00	-7.58	31.26	3	Vertical	261	3.11	-
2422MHz	Pass	PK	2.3892G	65.80	74.00	-8.20	30.91	3	Vertical	261	3.11	-
2422MHz	Pass	PK	2.428G	101.35	Inf	-Inf	31.03	3	Vertical	261	3.11	-
2422MHz	Pass	PK	2.4908G	58.47	74.00	-15.53	31.23	3	Vertical	261	3.11	-
2422MHz	Pass	AV	4.8387G	37.27	54.00	-16.73	1.95	3	Horizontal	141	3.19	-
2422MHz	Pass	PK	4.8381G	48.55	74.00	-25.45	1.95	3	Horizontal	141	3.19	-
2422MHz	Pass	AV	4.8402G	44.14	54.00	-9.86	1.95	3	Vertical	294	2.48	-
2422MHz	Pass	PK	4.8421G	56.03	74.00	-17.97	1.96	3	Vertical	294	2.48	-
2427MHz	Pass	AV	2.3898G	48.61	54.00	-5.39	30.57	3	Horizontal	140	2.80	-
2427MHz	Pass	AV	2.429G	89.60	Inf	-Inf	30.71	3	Horizontal	140	2.80	-
2427MHz	Pass	AV	2.4842G	45.00	54.00	-9.00	30.92	3	Horizontal	140	2.80	-
2427MHz	Pass	PK	2.3894G	58.07	74.00	-15.93	30.57	3	Horizontal	140	2.80	-
2427MHz	Pass	PK	2.429G	97.19	Inf	-Inf	30.71	3	Horizontal	140	2.80	-
2427MHz	Pass	PK	2.4862G	55.37	74.00	-18.63	30.92	3	Horizontal	140	2.80	-
2427MHz	Pass	AV	2.3898G	53.44	54.00	-0.56	30.57	3	Vertical	238	1.06	-
2427MHz	Pass	AV	2.423G	93.62	Inf	-Inf	30.69	3	Vertical	238	1.06	-
2427MHz	Pass	AV	2.483502G	45.68	54.00	-8.32	30.91	3	Vertical	238	1.06	-
2427MHz	Pass	PK	2.3898G	63.60	74.00	-10.40	30.57	3	Vertical	238	1.06	-
2427MHz	Pass	PK	2.4226G	101.39	Inf	-Inf	30.69	3	Vertical	238	1.06	-
2427MHz	Pass	PK	2.489G	55.10	74.00	-18.90	30.93	3	Vertical	238	1.06	-
2432MHz	Pass	AV	2.389998G	46.37	54.00	-7.63	30.57	3	Horizontal	141	3.14	-
2432MHz	Pass	AV	2.43G	89.53	Inf	-Inf	30.72	3	Horizontal	141	3.14	-
2432MHz	Pass	AV	2.483502G	45.34	54.00	-8.66	30.91	3	Horizontal	141	3.14	-
2432MHz	Pass	PK	2.389998G	54.64	74.00	-19.36	30.57	3	Horizontal	141	3.14	-
2432MHz	Pass	PK	2.4308G	96.97	Inf	-Inf	30.72	3	Horizontal	141	3.14	-
2432MHz	Pass	PK	2.4892G	55.53	74.00	-18.47	30.93	3	Horizontal	141	3.14	-
2432MHz	Pass	AV	2.389998G	53.78	54.00	-0.22	30.57	3	Vertical	259	2.69	-
2432MHz	Pass	AV	2.4384G	95.00	Inf	-Inf	30.75	3	Vertical	259	2.69	-
2432MHz	Pass	AV	2.483502G	46.20	54.00	-7.80	30.91	3	Vertical	259	2.69	-
2432MHz	Pass	PK	2.3896G	64.86	74.00	-9.14	30.57	3	Vertical	259	2.69	-
2432MHz	Pass	PK	2.44G	103.08	Inf	-Inf	30.75	3	Vertical	259	2.69	-
2432MHz	Pass	PK	2.484G	56.65	74.00	-17.35	30.92	3	Vertical	259	2.69	-
2437MHz	Pass	AV	2.3898G	47.83	54.00	-6.17	30.57	3	Horizontal	141	2.83	-
2437MHz	Pass	AV	2.4298G	92.25	Inf	-Inf	30.72	3	Horizontal	141	2.83	-
2437MHz	Pass	AV	2.483502G	45.80	54.00	-8.20	30.91	3	Horizontal	141	2.83	-
2437MHz	Pass	PK	2.3894G	57.85	74.00	-16.15	30.57	3	Horizontal	141	2.83	-
2437MHz	Pass	PK	2.4286G	99.59	Inf	-Inf	30.71	3	Horizontal	141	2.83	-
2437MHz	Pass	PK	2.4934G	55.14	74.00	-18.86	30.94	3	Horizontal	141	2.83	-
2437MHz	Pass	AV	2.3898G	53.06	54.00	-0.94	30.57	3	Vertical	278	2.72	-
2437MHz	Pass	AV	2.439G	97.76	Inf	-Inf	30.75	3	Vertical	278	2.72	-
2437MHz	Pass	AV	2.4842G	48.06	54.00	-5.94	30.92	3	Vertical	278	2.72	-
2437MHz	Pass	PK	2.385G	63.26	74.00	-10.74	30.56	3	Vertical	278	2.72	-
2437MHz	Pass	PK	2.4394G	105.41	Inf	-Inf	30.75	3	Vertical	278	2.72	-
2437MHz	Pass	PK	2.4846G	59.23	74.00	-14.77	30.92	3	Vertical	278	2.72	-
2437MHz	Pass	AV	4.88726G	37.19	54.00	-16.81	1.37	3	Horizontal	128	2.04	-
2437MHz	Pass	PK	4.86938G	46.24	74.00	-27.76	1.33	3	Horizontal	128	2.04	-
2437MHz	Pass	AV	4.87022G	47.82	54.00	-6.18	1.33	3	Vertical	225	2.34	-

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	4.87136G	57.89	74.00	-16.11	1.34	3	Vertical	225	2.34	-
2447MHz	Pass	AV	2.3898G	44.36	54.00	-9.64	30.57	3	Horizontal	136	2.78	-
2447MHz	Pass	AV	2.4498G	93.47	Inf	-Inf	30.79	3	Horizontal	136	2.78	-
2447MHz	Pass	AV	2.483502G	49.57	54.00	-4.43	30.91	3	Horizontal	136	2.78	-
2447MHz	Pass	PK	2.3506G	54.64	74.00	-19.36	30.44	3	Horizontal	136	2.78	-
2447MHz	Pass	PK	2.4522G	101.04	Inf	-Inf	30.80	3	Horizontal	136	2.78	-
2447MHz	Pass	PK	2.485G	58.36	74.00	-15.64	30.92	3	Horizontal	136	2.78	-
2447MHz	Pass	AV	2.3898G	46.11	54.00	-7.89	30.57	3	Vertical	262	1.35	-
2447MHz	Pass	AV	2.4542G	97.12	Inf	-Inf	30.81	3	Vertical	262	1.35	-
2447MHz	Pass	AV	2.483502G	53.37	54.00	-0.63	30.91	3	Vertical	262	1.35	-
2447MHz	Pass	PK	2.361G	55.70	74.00	-18.30	30.47	3	Vertical	262	1.35	-
2447MHz	Pass	PK	2.4546G	104.75	Inf	-Inf	30.81	3	Vertical	262	1.35	-
2447MHz	Pass	PK	2.4838G	64.63	74.00	-9.37	30.91	3	Vertical	262	1.35	-
2452MHz	Pass	AV	2.3884G	44.15	54.00	-9.85	30.57	3	Horizontal	138	2.79	-
2452MHz	Pass	AV	2.4456G	91.11	Inf	-Inf	30.77	3	Horizontal	138	2.79	-
2452MHz	Pass	AV	2.483502G	48.94	54.00	-5.06	30.91	3	Horizontal	138	2.79	-
2452MHz	Pass	PK	2.389998G	54.94	74.00	-19.06	30.57	3	Horizontal	138	2.79	-
2452MHz	Pass	PK	2.4468G	98.81	Inf	-Inf	30.78	3	Horizontal	138	2.79	-
2452MHz	Pass	PK	2.4852G	58.22	74.00	-15.78	30.92	3	Horizontal	138	2.79	-
2452MHz	Pass	AV	2.389998G	44.55	54.00	-9.45	30.57	3	Vertical	263	1.34	-
2452MHz	Pass	AV	2.4504G	95.99	Inf	-Inf	30.79	3	Vertical	263	1.34	-
2452MHz	Pass	AV	2.483502G	52.43	54.00	-1.57	30.91	3	Vertical	263	1.34	-
2452MHz	Pass	PK	2.38G	55.51	74.00	-18.49	30.54	3	Vertical	263	1.34	-
2452MHz	Pass	PK	2.4508G	103.48	Inf	-Inf	30.79	3	Vertical	263	1.34	-
2452MHz	Pass	PK	2.4892G	63.35	74.00	-10.65	30.93	3	Vertical	263	1.34	-
2452MHz	Pass	AV	4.90034G	35.52	54.00	-18.48	1.39	3	Horizontal	128	1.63	-
2452MHz	Pass	PK	4.90142G	43.86	74.00	-30.14	1.39	3	Horizontal	128	1.63	-
2452MHz	Pass	AV	4.90142G	45.41	54.00	-8.59	1.39	3	Vertical	208	2.51	-
2452MHz	Pass	PK	4.9013G	55.38	74.00	-18.62	1.39	3	Vertical	208	2.51	-

802.11b_Nss1,(1Mbps)_2TX

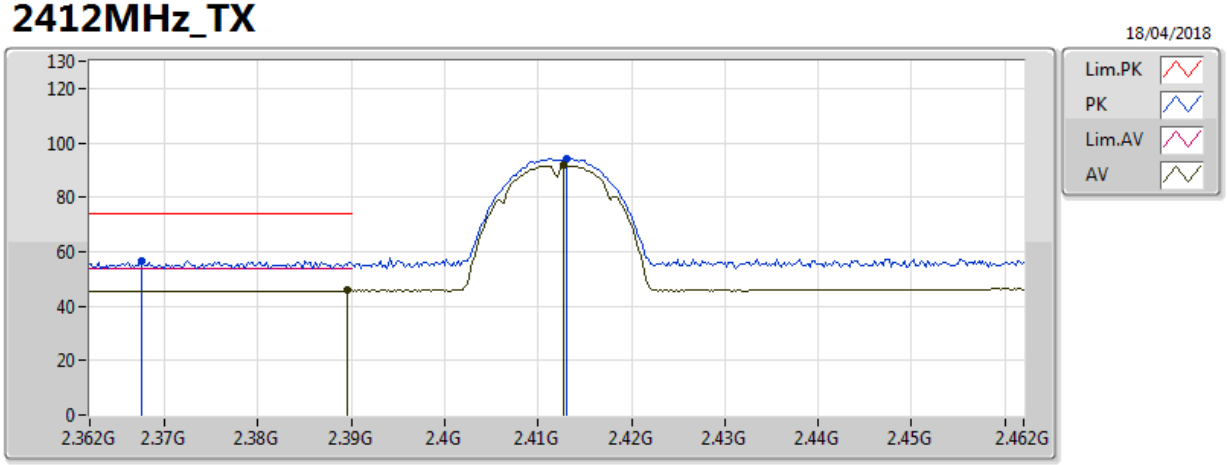
2412MHz_TX



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	2.3718G	45.94	54.00	-8.06	30.86	3	Vertical	263	3.08	-	15.08	27.01	3.85	-
AV	2.4138G	96.83	Inf	-Inf	30.98	3	Vertical	263	3.08	-	65.85	27.10	3.88	-
PK	2.376G	57.50	74.00	-16.50	30.86	3	Vertical	263	3.08	-	26.64	27.01	3.85	-
PK	2.4148G	99.15	Inf	-Inf	30.99	3	Vertical	263	3.08	-	68.16	27.10	3.88	-

802.11b_Nss1,(1Mbps)_2TX

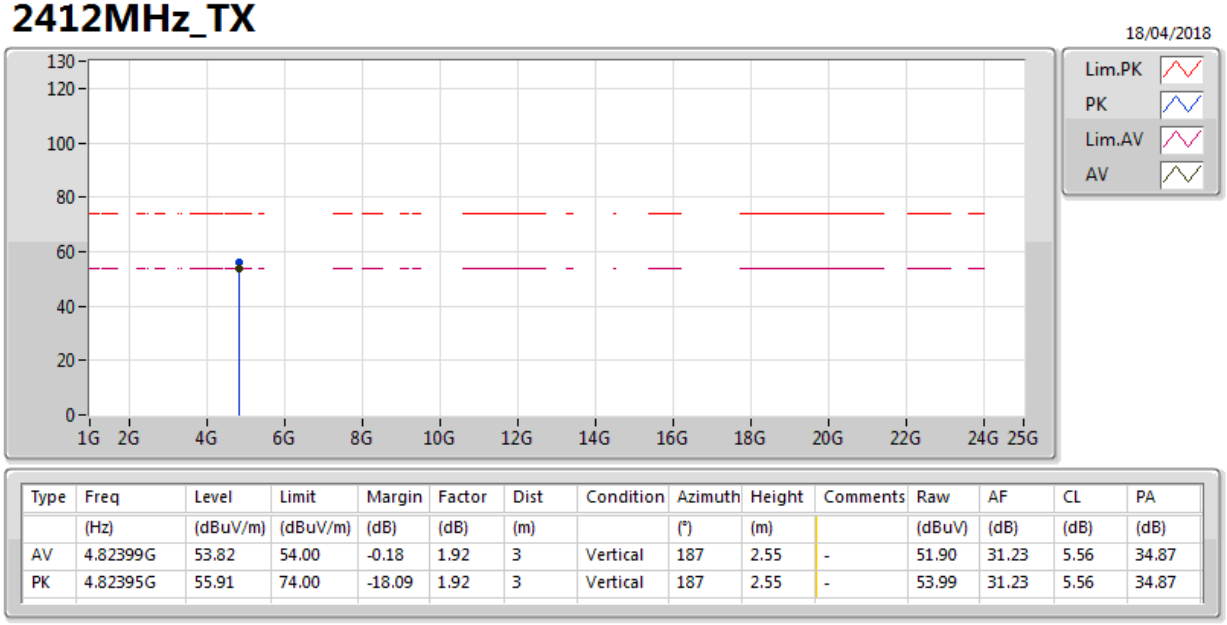
2412MHz_TX



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	2.3896G	45.67	54.00	-8.33	30.91	3	Horizontal	118	3.12	-	14.76	27.05	3.86	-
AV	2.4128G	91.66	Inf	-Inf	30.98	3	Horizontal	118	3.12	-	60.68	27.10	3.88	-
PK	2.3676G	56.82	74.00	-17.18	30.84	3	Horizontal	118	3.12	-	25.98	27.00	3.84	-
PK	2.413G	94.15	Inf	-Inf	30.98	3	Horizontal	118	3.12	-	63.17	27.10	3.88	-

802.11b_Nss1,(1Mbps)_2TX

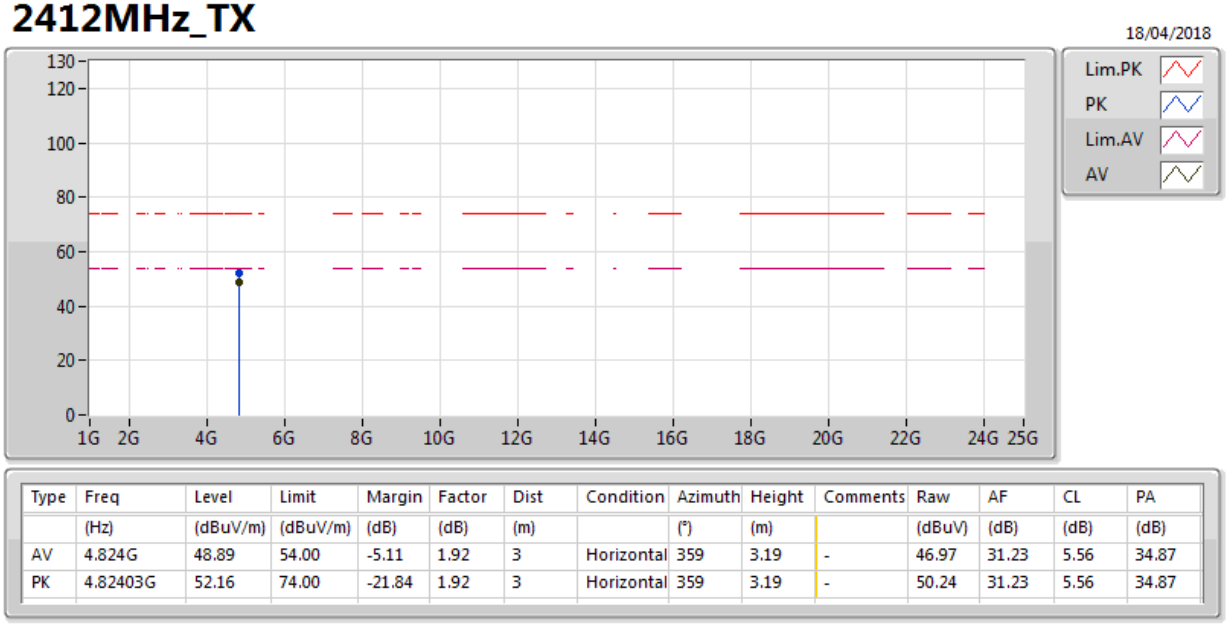
2412MHz_TX



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	4.82399G	53.82	54.00	-0.18	1.92	3	Vertical	187	2.55	-	51.90	31.23	5.56	34.87
PK	4.82395G	55.91	74.00	-18.09	1.92	3	Vertical	187	2.55	-	53.99	31.23	5.56	34.87

802.11b_Nss1,(1Mbps)_2TX

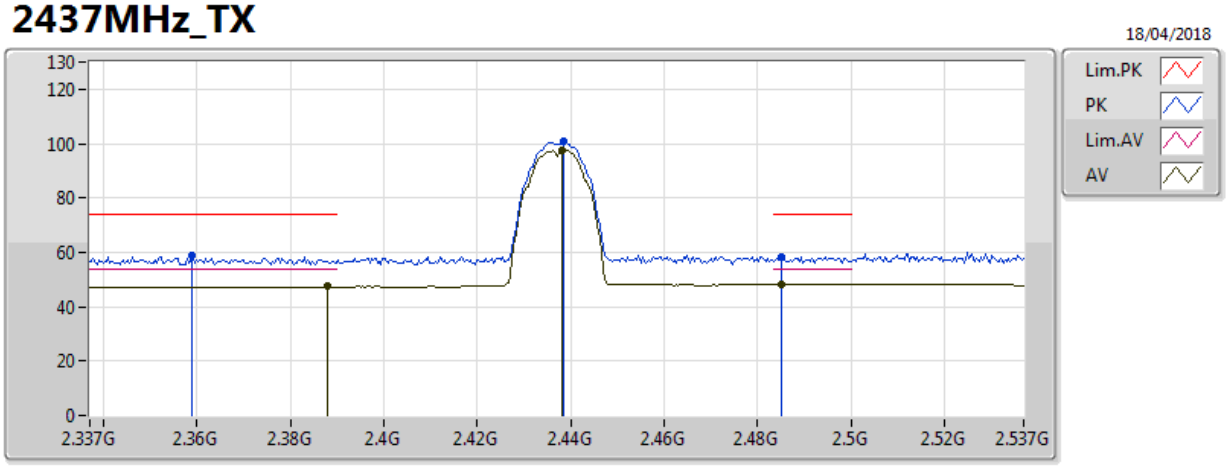
2412MHz_TX



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	4.824G	48.89	54.00	-5.11	1.92	3	Horizontal	359	3.19	-	46.97	31.23	5.56	34.87
PK	4.82403G	52.16	74.00	-21.84	1.92	3	Horizontal	359	3.19	-	50.24	31.23	5.56	34.87

802.11b_Nss1,(1Mbps)_2TX

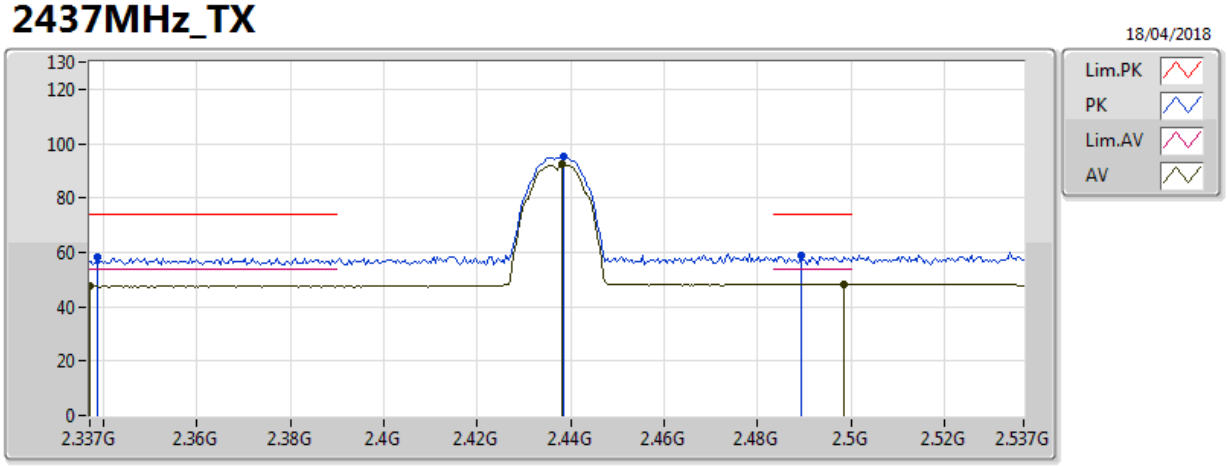
2437MHz_TX



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	2.3878G	47.46	54.00	-6.54	30.90	3	Vertical	136	1.02	-	16.56	27.04	3.86	-
AV	2.4382G	97.50	Inf	-Inf	31.06	3	Vertical	136	1.02	-	66.44	27.16	3.90	-
AV	2.485G	48.18	54.00	-5.82	31.22	3	Vertical	136	1.02	-	16.96	27.27	3.95	-
PK	2.359G	58.56	74.00	-15.44	30.82	3	Vertical	136	1.02	-	27.74	26.98	3.84	-
PK	2.4386G	100.65	Inf	-Inf	31.06	3	Vertical	136	1.02	-	69.59	27.16	3.90	-
PK	2.485G	58.24	74.00	-15.76	31.22	3	Vertical	136	1.02	-	27.02	27.27	3.95	-

802.11b_Nss1,(1Mbps)_2TX

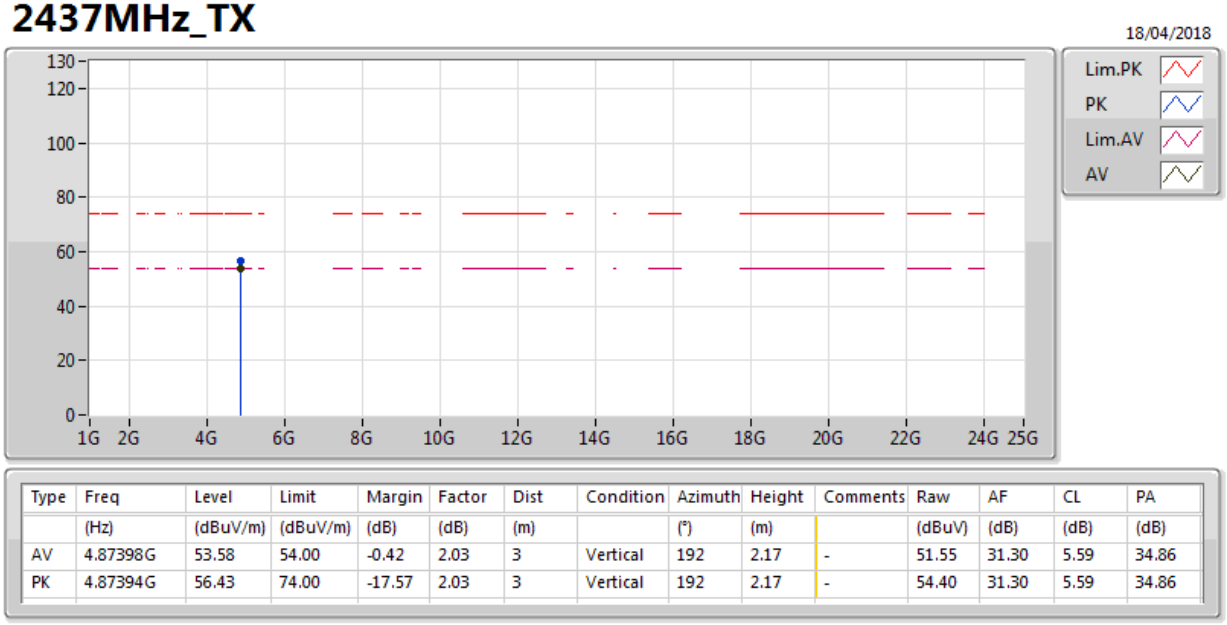
2437MHz_TX



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	2.337G	47.50	54.00	-6.50	30.75	3	Horizontal	124	2.72	-	16.75	26.93	3.82	-
AV	2.4382G	92.28	Inf	-Inf	31.06	3	Horizontal	124	2.72	-	61.22	27.16	3.90	-
AV	2.4986G	48.22	54.00	-5.78	31.26	3	Horizontal	124	2.72	-	16.96	27.30	3.96	-
PK	2.3386G	58.46	74.00	-15.54	30.75	3	Horizontal	124	2.72	-	27.71	26.93	3.82	-
PK	2.4386G	95.46	Inf	-Inf	31.06	3	Horizontal	124	2.72	-	64.40	27.16	3.90	-
PK	2.4894G	58.68	74.00	-15.32	31.23	3	Horizontal	124	2.72	-	27.45	27.28	3.95	-

802.11b_Nss1,(1Mbps)_2TX

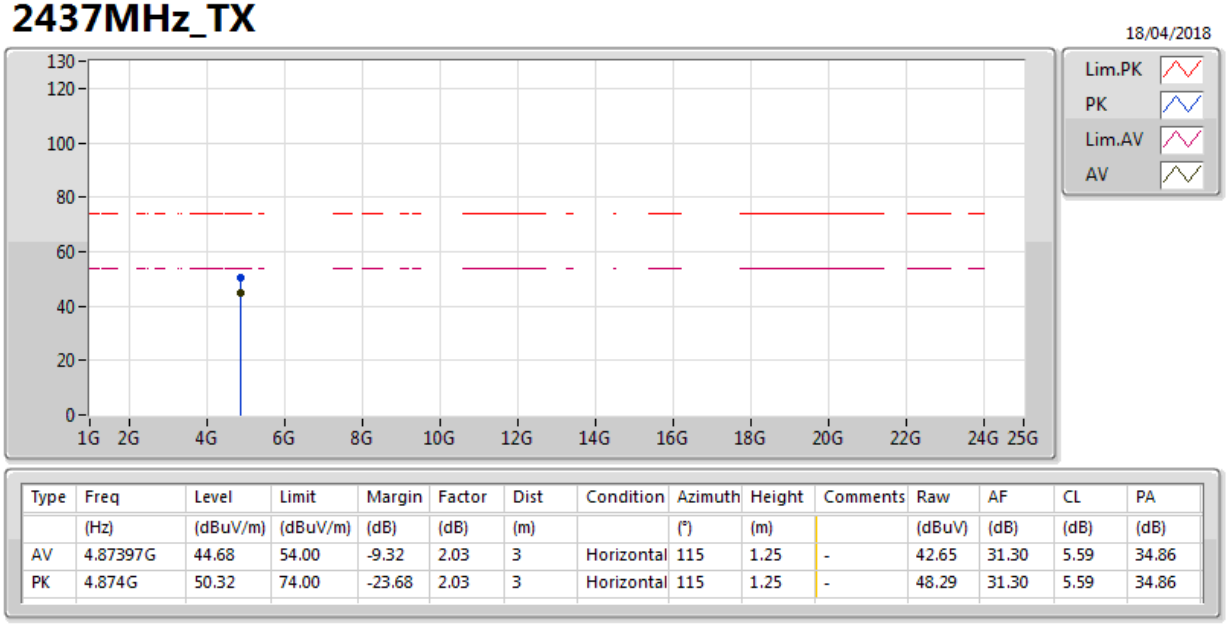
2437MHz_TX



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	4.87398G	53.58	54.00	-0.42	2.03	3	Vertical	192	2.17	-	51.55	31.30	5.59	34.86
PK	4.87394G	56.43	74.00	-17.57	2.03	3	Vertical	192	2.17	-	54.40	31.30	5.59	34.86

802.11b_Nss1,(1Mbps)_2TX

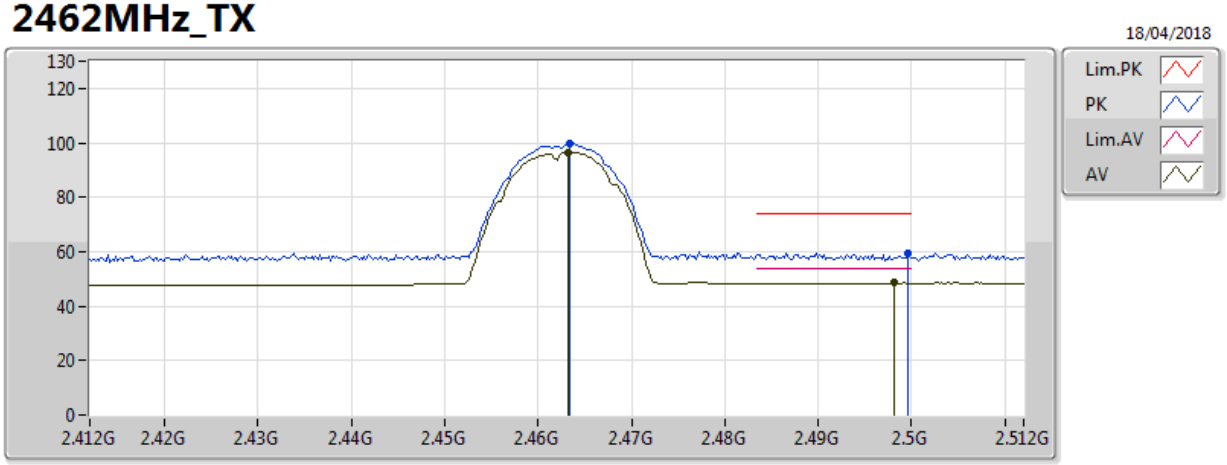
2437MHz_TX



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	4.87397G	44.68	54.00	-9.32	2.03	3	Horizontal	115	1.25	-	42.65	31.30	5.59	34.86
PK	4.874G	50.32	74.00	-23.68	2.03	3	Horizontal	115	1.25	-	48.29	31.30	5.59	34.86

802.11b_Nss1,(1Mbps)_2TX

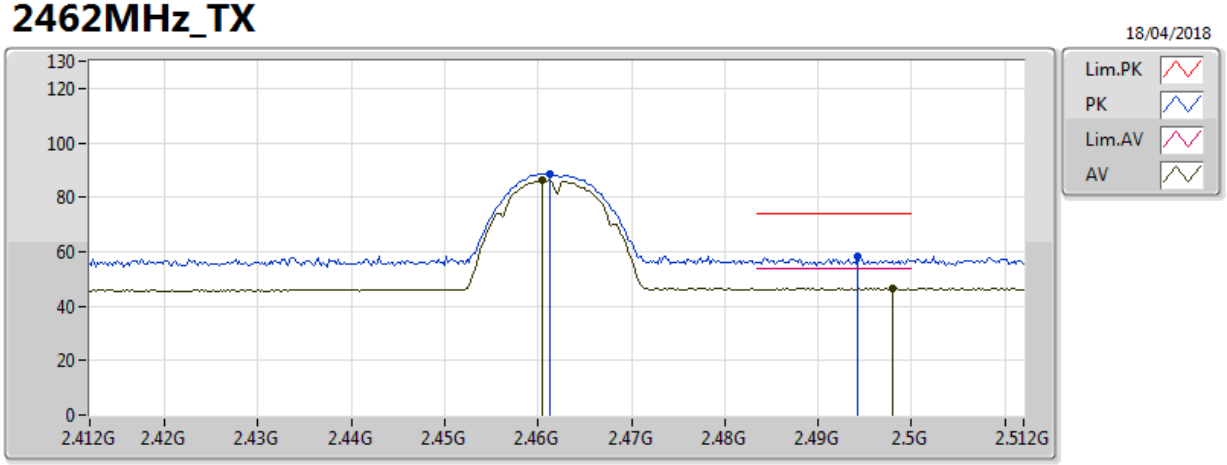
2462MHz_TX



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	2.4632G	96.39	Inf	-Inf	31.14	3	Vertical	175	1.25	-	65.25	27.22	3.93	-
AV	2.4982G	48.47	54.00	-5.53	31.26	3	Vertical	175	1.25	-	17.21	27.30	3.96	-
PK	2.4634G	99.56	Inf	-Inf	31.14	3	Vertical	175	1.25	-	68.42	27.22	3.93	-
PK	2.4996G	59.64	74.00	-14.36	31.26	3	Vertical	175	1.25	-	28.38	27.30	3.96	-

802.11b_Nss1,(1Mbps)_2TX

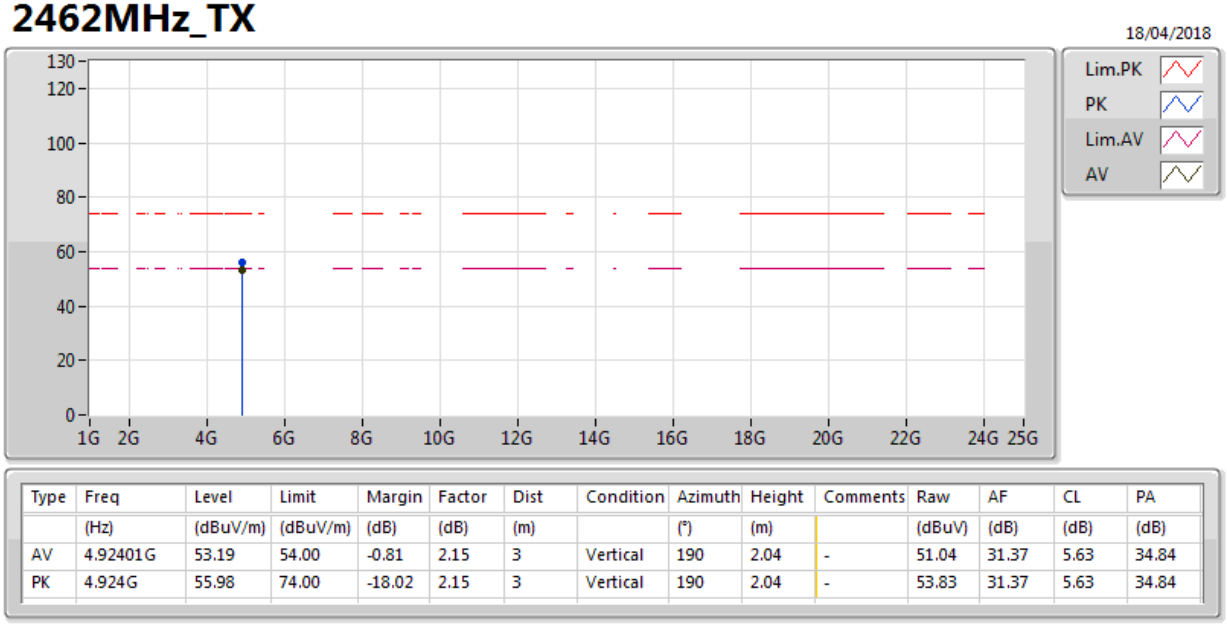
2462MHz_TX



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	2.4604G	86.15	Inf	-Inf	31.13	3	Horizontal	46	1.10	-	55.02	27.21	3.92	-
AV	2.498G	46.42	54.00	-7.58	31.26	3	Horizontal	46	1.10	-	15.16	27.30	3.96	-
PK	2.4612G	88.63	Inf	-Inf	31.14	3	Horizontal	46	1.10	-	57.49	27.21	3.93	-
PK	2.4942G	58.48	74.00	-15.52	31.24	3	Horizontal	46	1.10	-	27.24	27.29	3.95	-

802.11b_Nss1,(1Mbps)_2TX

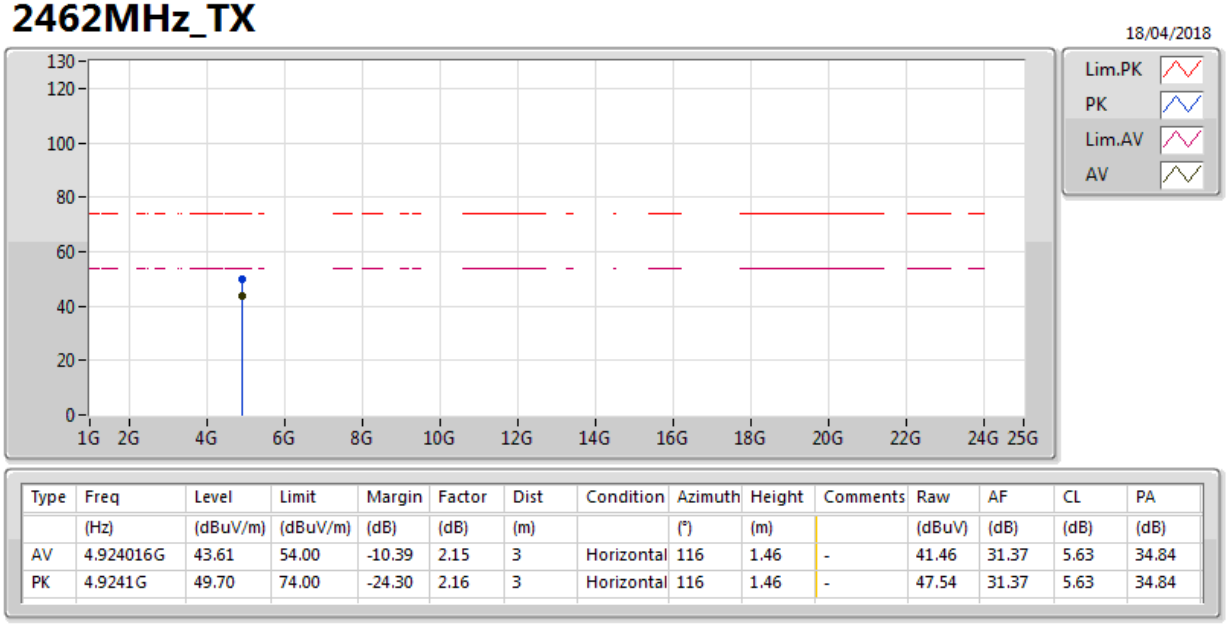
2462MHz_TX



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	4.92401G	53.19	54.00	-0.81	2.15	3	Vertical	190	2.04	-	51.04	31.37	5.63	34.84
PK	4.924G	55.98	74.00	-18.02	2.15	3	Vertical	190	2.04	-	53.83	31.37	5.63	34.84

802.11b_Nss1,(1Mbps)_2TX

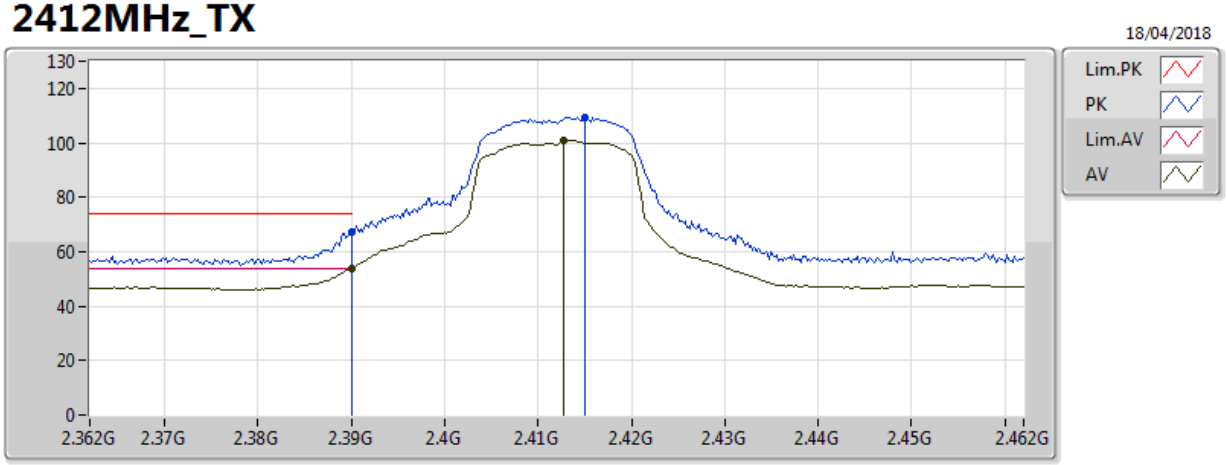
2462MHz_TX



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	4.924016G	43.61	54.00	-10.39	2.15	3	Horizontal	116	1.46	-	41.46	31.37	5.63	34.84
PK	4.9241G	49.70	74.00	-24.30	2.16	3	Horizontal	116	1.46	-	47.54	31.37	5.63	34.84

802.11g_Nss1,(6Mbps)_2TX

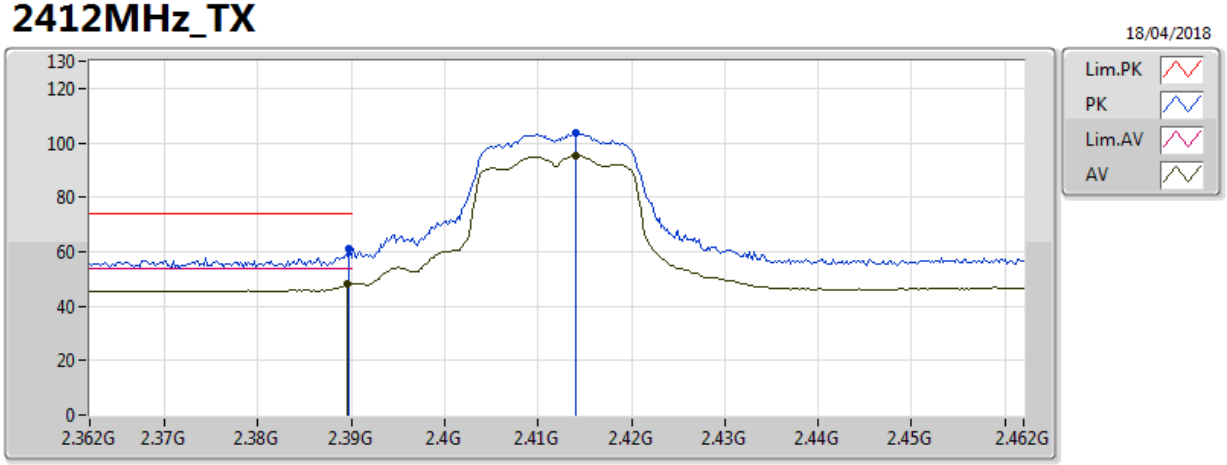
2412MHz_TX



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	53.85	54.00	-0.15	30.91	3	Vertical	260	0.00	-	22.94	27.05	3.86	-
AV	2.4128G	100.95	Inf	-Inf	30.98	3	Vertical	260	0.00	-	69.97	27.10	3.88	-
PK	2.389998G	67.47	74.00	-6.53	30.91	3	Vertical	260	0.00	-	36.56	27.05	3.86	-
PK	2.415G	109.53	Inf	-Inf	30.99	3	Vertical	260	0.00	-	78.54	27.10	3.88	-

802.11g_Nss1,(6Mbps)_2TX

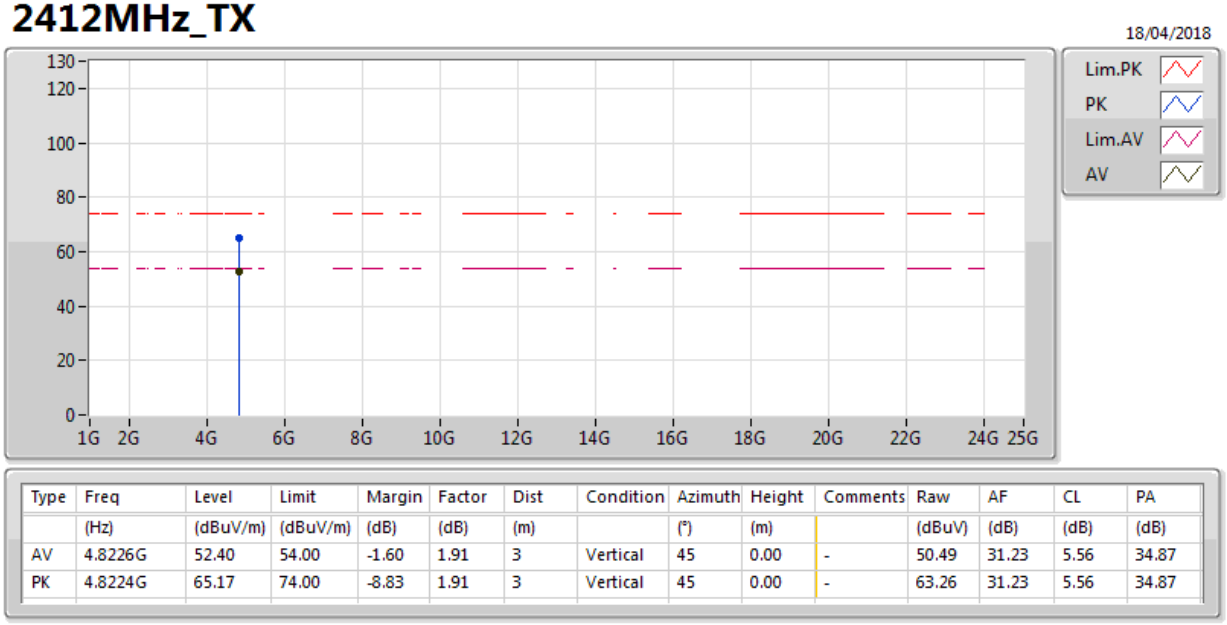
2412MHz_TX



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	2.3896G	47.94	54.00	-6.06	30.91	3	Horizontal	118	0.00	-	17.03	27.05	3.86	-
AV	2.414G	95.17	Inf	-Inf	30.98	3	Horizontal	118	0.00	-	64.19	27.10	3.88	-
PK	2.3898G	61.29	74.00	-12.71	30.91	3	Horizontal	118	0.00	-	30.38	27.05	3.86	-
PK	2.414G	103.81	Inf	-Inf	30.98	3	Horizontal	118	0.00	-	72.83	27.10	3.88	-

802.11g_Nss1,(6Mbps)_2TX

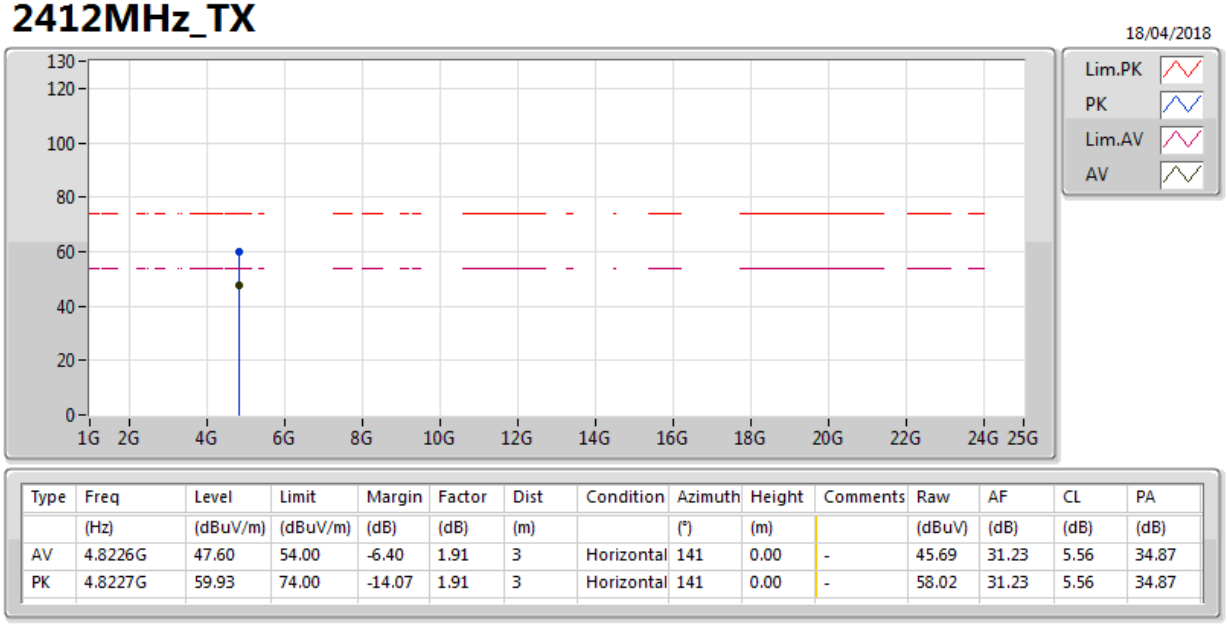
2412MHz_TX



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	4.8226G	52.40	54.00	-1.60	1.91	3	Vertical	45	0.00	-	50.49	31.23	5.56	34.87
PK	4.8224G	65.17	74.00	-8.83	1.91	3	Vertical	45	0.00	-	63.26	31.23	5.56	34.87

802.11g_Nss1,(6Mbps)_2TX

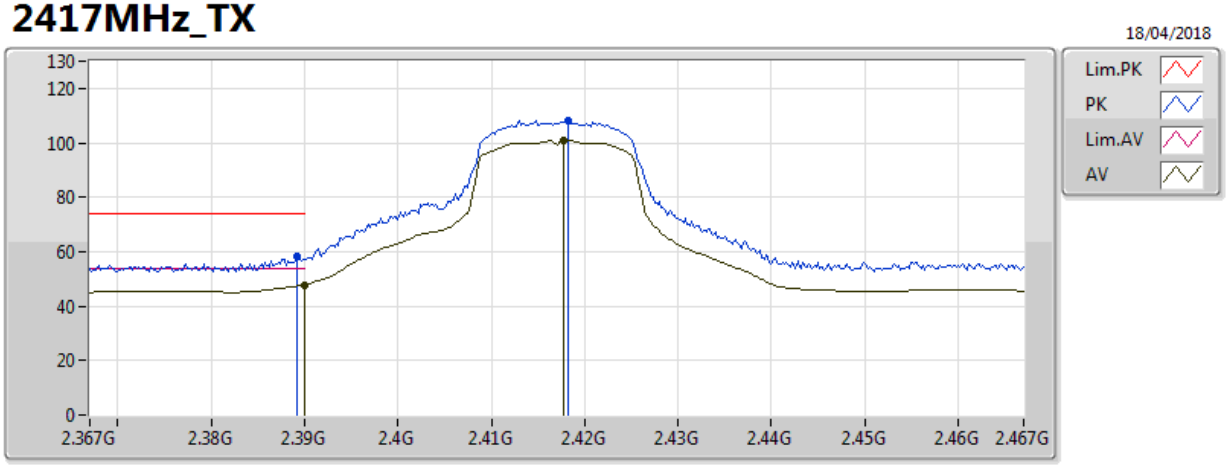
2412MHz_TX



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	4.8226G	47.60	54.00	-6.40	1.91	3	Horizontal	141	0.00	-	45.69	31.23	5.56	34.87
PK	4.8227G	59.93	74.00	-14.07	1.91	3	Horizontal	141	0.00	-	58.02	31.23	5.56	34.87

802.11g_Nss1,(6Mbps)_2TX

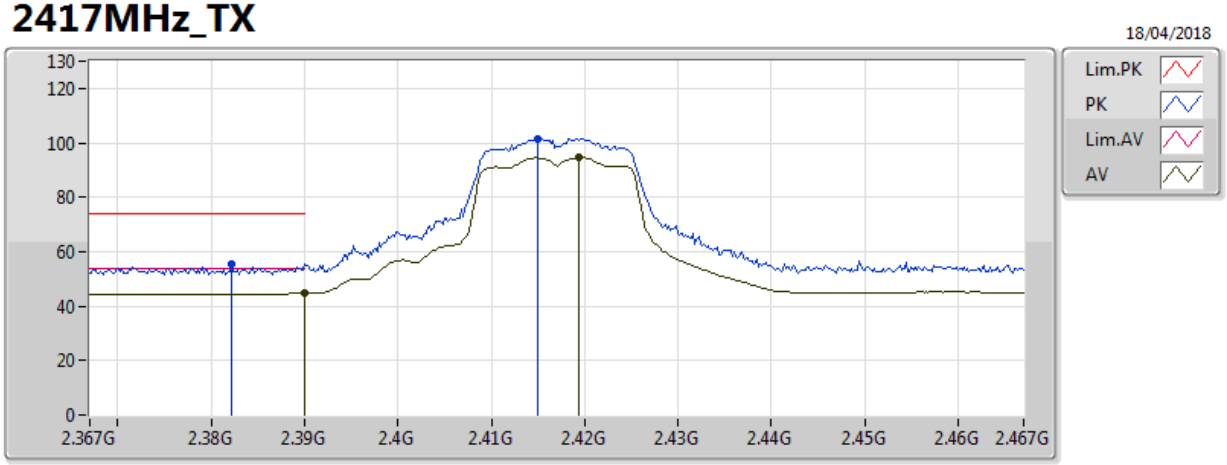
2417MHz_TX



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	2.389998G	47.84	54.00	-6.16	30.57	3	Vertical	270	3.08	-	17.27	26.99	3.58	-
AV	2.4178G	100.97	Inf	-Inf	30.67	3	Vertical	270	3.08	-	70.30	27.07	3.60	-
PK	2.3892G	58.32	74.00	-15.68	30.57	3	Vertical	270	3.08	-	27.75	26.99	3.58	-
PK	2.4182G	108.20	Inf	-Inf	30.68	3	Vertical	270	3.08	-	77.52	27.07	3.60	-

802.11g_Nss1,(6Mbps)_2TX

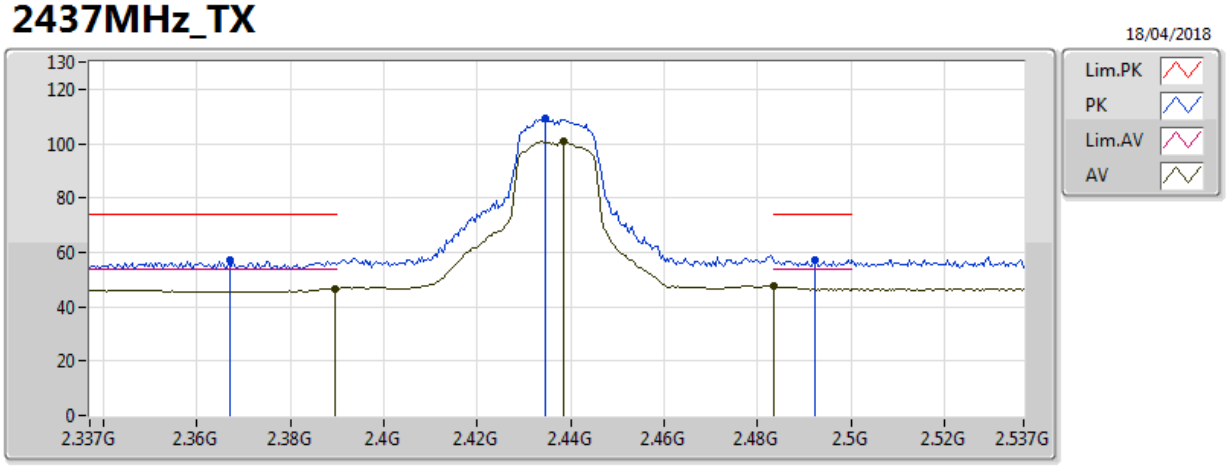
2417MHz_TX



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	2.389998G	45.04	54.00	-8.96	30.57	3	Horizontal	135	2.83	-	14.47	26.99	3.58	-
AV	2.4194G	94.64	Inf	-Inf	30.68	3	Horizontal	135	2.83	-	63.96	27.07	3.61	-
PK	2.3822G	55.30	74.00	-18.70	30.55	3	Horizontal	135	2.83	-	24.75	26.97	3.58	-
PK	2.415G	101.70	Inf	-Inf	30.66	3	Horizontal	135	2.83	-	71.04	27.06	3.60	-

802.11g_Nss1,(6Mbps)_2TX

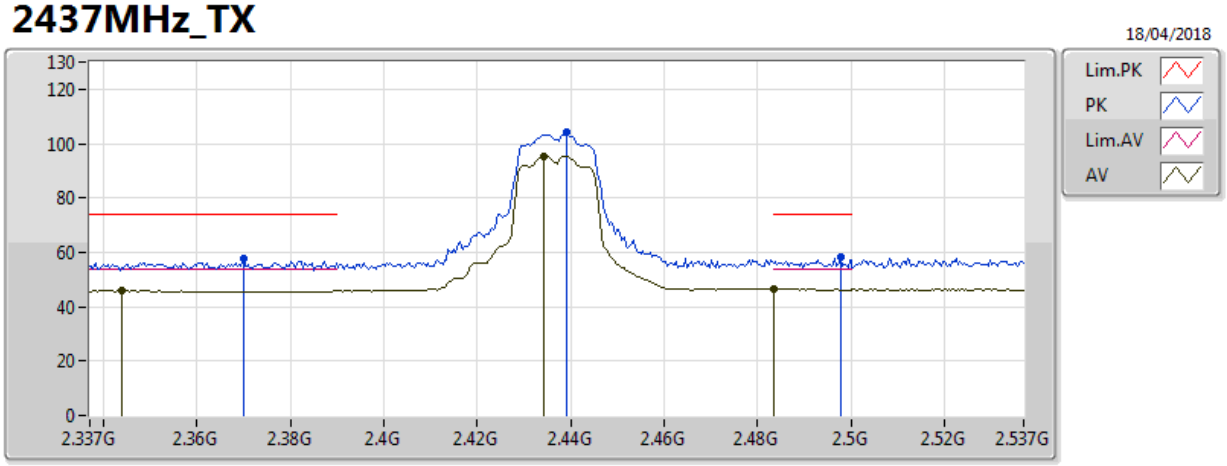
2437MHz_TX



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	46.75	54.00	-7.25	30.91	3	Vertical	264	2.70	-	15.84	27.05	3.86	-
AV	2.4386G	100.87	Inf	-Inf	31.06	3	Vertical	264	2.70	-	69.81	27.16	3.90	-
AV	2.483502G	47.46	54.00	-6.54	31.21	3	Vertical	264	2.70	-	16.25	27.26	3.95	-
PK	2.367G	57.36	74.00	-16.64	30.83	3	Vertical	264	2.70	-	26.53	26.99	3.84	-
PK	2.4346G	109.07	Inf	-Inf	31.05	3	Vertical	264	2.70	-	78.02	27.15	3.90	-
PK	2.4922G	57.24	74.00	-16.76	31.23	3	Vertical	264	2.70	-	26.01	27.28	3.95	-

802.11g_Nss1,(6Mbps)_2TX

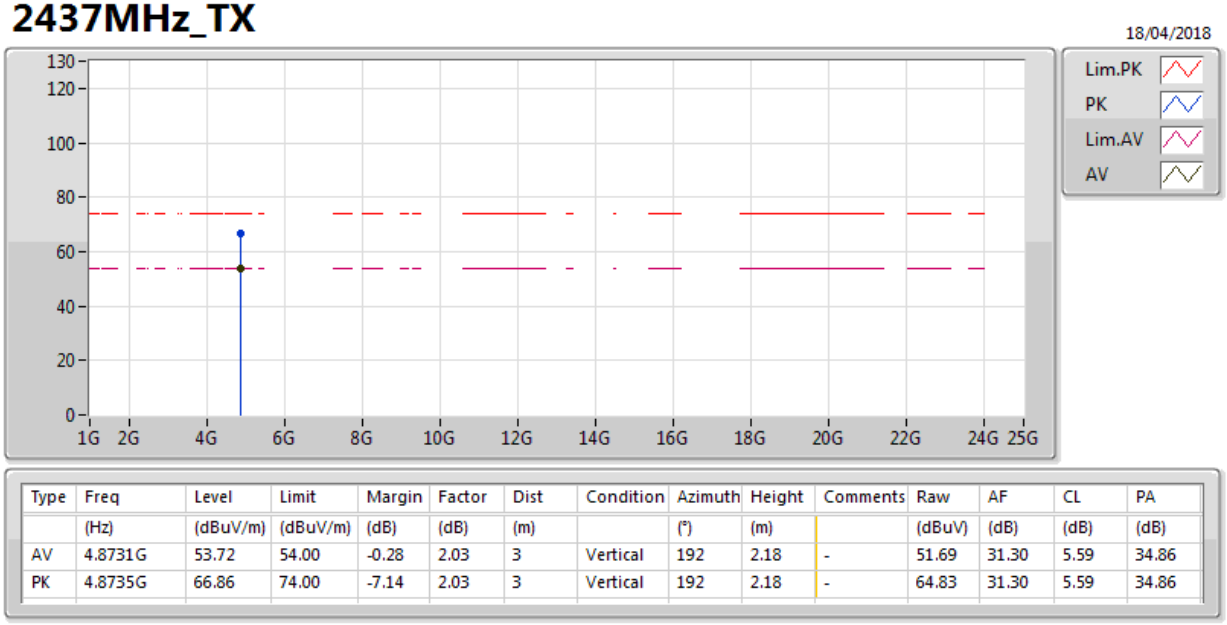
2437MHz_TX



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	2.3438G	45.69	54.00	-8.31	30.77	3	Horizontal	119	3.09	-	14.92	26.94	3.83	-
AV	2.4342G	95.37	Inf	-Inf	31.05	3	Horizontal	119	3.09	-	64.32	27.15	3.90	-
AV	2.483502G	46.65	54.00	-7.35	31.21	3	Horizontal	119	3.09	-	15.44	27.26	3.95	-
PK	2.3698G	57.44	74.00	-16.56	30.85	3	Horizontal	119	3.09	-	26.59	27.00	3.85	-
PK	2.439G	104.06	Inf	-Inf	31.06	3	Horizontal	119	3.09	-	73.00	27.16	3.91	-
PK	2.4978G	58.27	74.00	-15.73	31.25	3	Horizontal	119	3.09	-	27.02	27.29	3.96	-

802.11g_Nss1,(6Mbps)_2TX

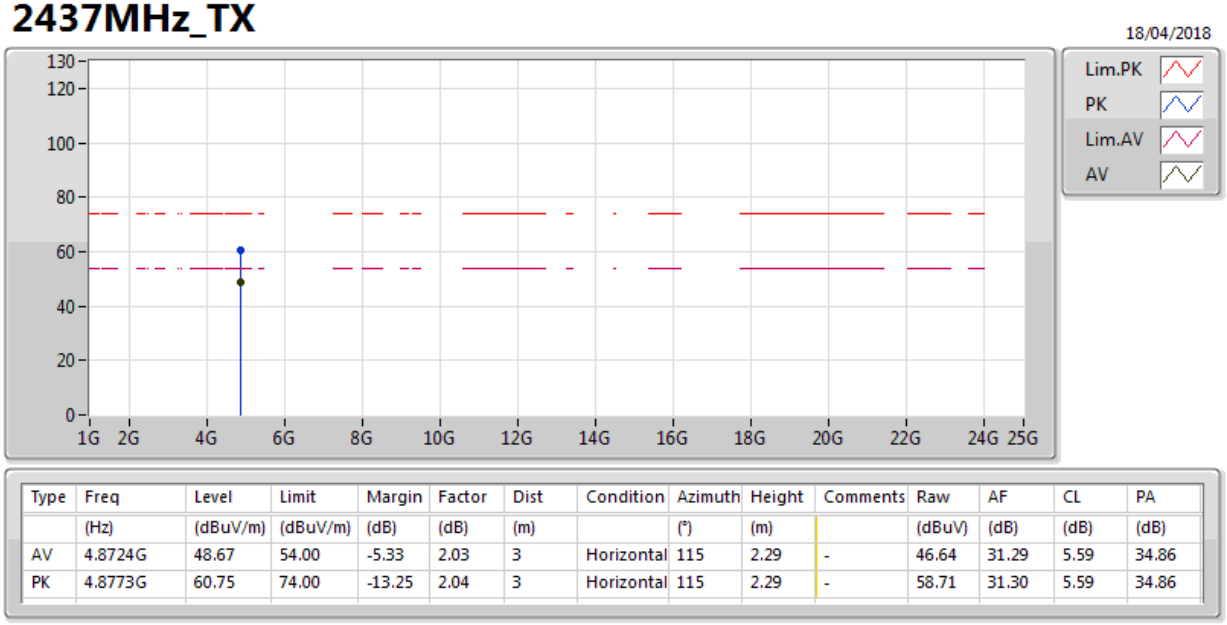
2437MHz_TX



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	4.8731G	53.72	54.00	-0.28	2.03	3	Vertical	192	2.18	-	51.69	31.30	5.59	34.86
PK	4.8735G	66.86	74.00	-7.14	2.03	3	Vertical	192	2.18	-	64.83	31.30	5.59	34.86

802.11g_Nss1,(6Mbps)_2TX

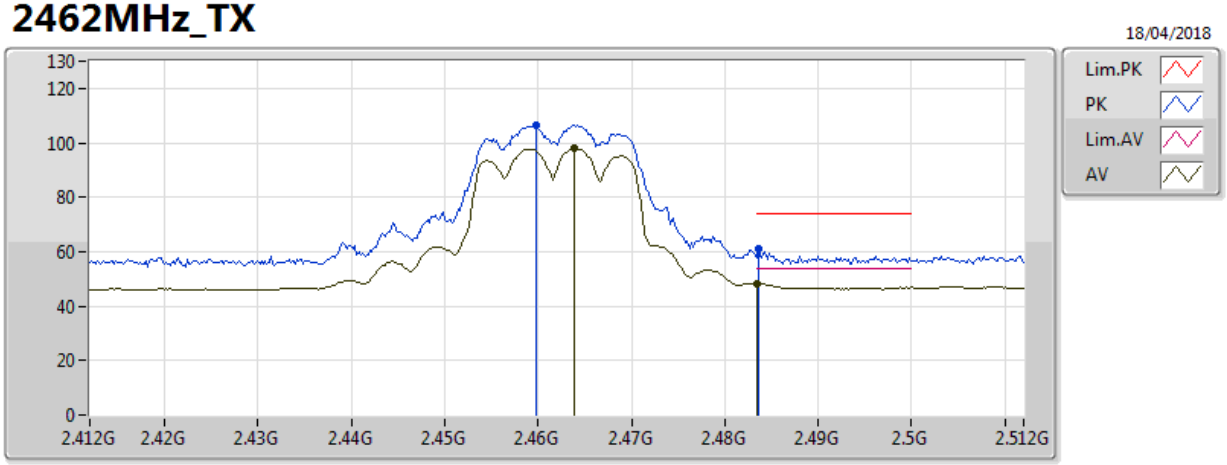
2437MHz_TX



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	4.8724G	48.67	54.00	-5.33	2.03	3	Horizontal	115	2.29	-	46.64	31.29	5.59	34.86
PK	4.8773G	60.75	74.00	-13.25	2.04	3	Horizontal	115	2.29	-	58.71	31.30	5.59	34.86

802.11g_Nss1,(6Mbps)_2TX

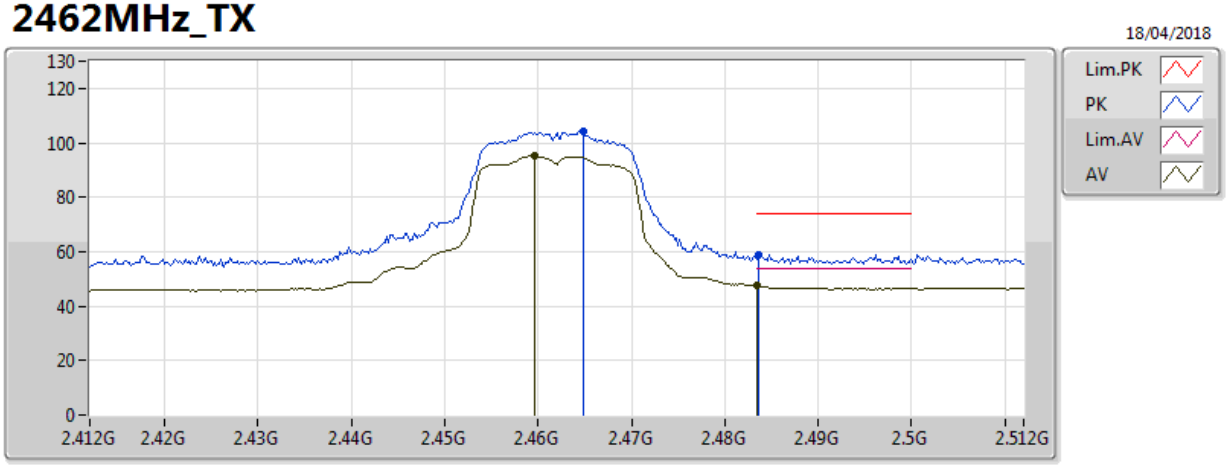
2462MHz_TX



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	2.4638G	97.92	Inf	-Inf	31.14	3	Vertical	176	1.27	-	66.78	27.22	3.93	-
AV	2.483502G	48.42	54.00	-5.58	31.21	3	Vertical	176	1.27	-	17.21	27.26	3.95	-
PK	2.4598G	106.37	Inf	-Inf	31.13	3	Vertical	176	1.27	-	75.24	27.21	3.92	-
PK	2.4836G	61.25	74.00	-12.75	31.21	3	Vertical	176	1.27	-	30.04	27.26	3.95	-

802.11g_Nss1,(6Mbps)_2TX

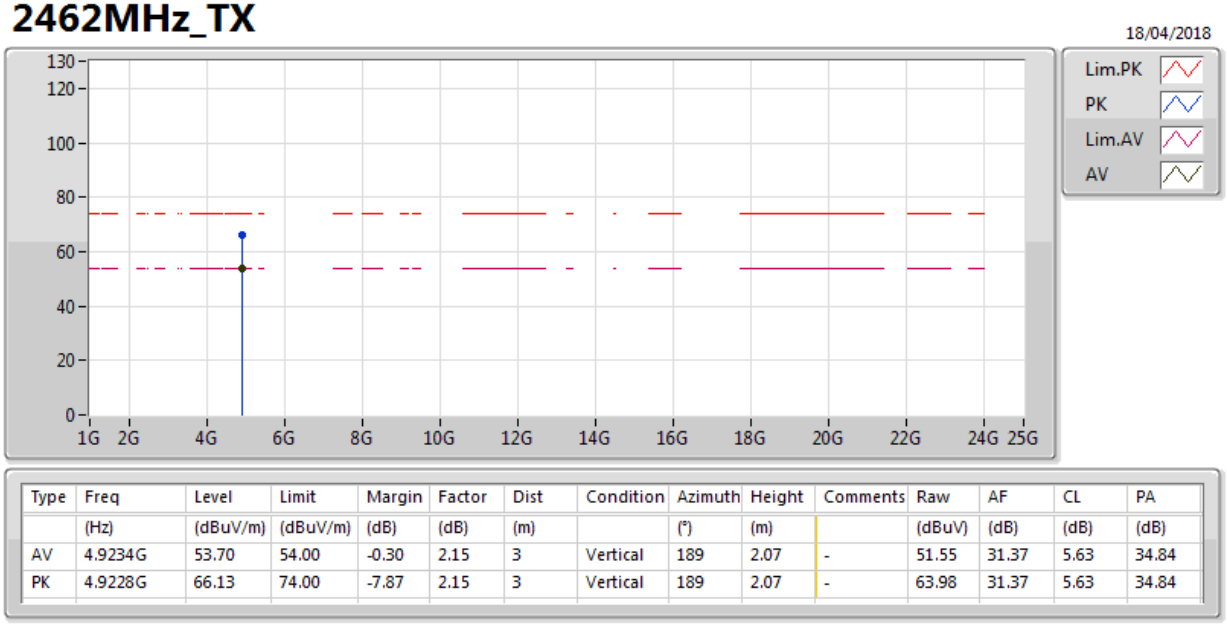
2462MHz_TX



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	2.4596G	95.20	Inf	-Inf	31.13	3	Horizontal	120	3.03	-	64.07	27.21	3.92	-
AV	2.483502G	47.46	54.00	-6.54	31.21	3	Horizontal	120	3.03	-	16.25	27.26	3.95	-
PK	2.4648G	104.15	Inf	-Inf	31.15	3	Horizontal	120	3.03	-	73.00	27.22	3.93	-
PK	2.4836G	58.80	74.00	-15.20	31.21	3	Horizontal	120	3.03	-	27.59	27.26	3.95	-

802.11g_Nss1,(6Mbps)_2TX

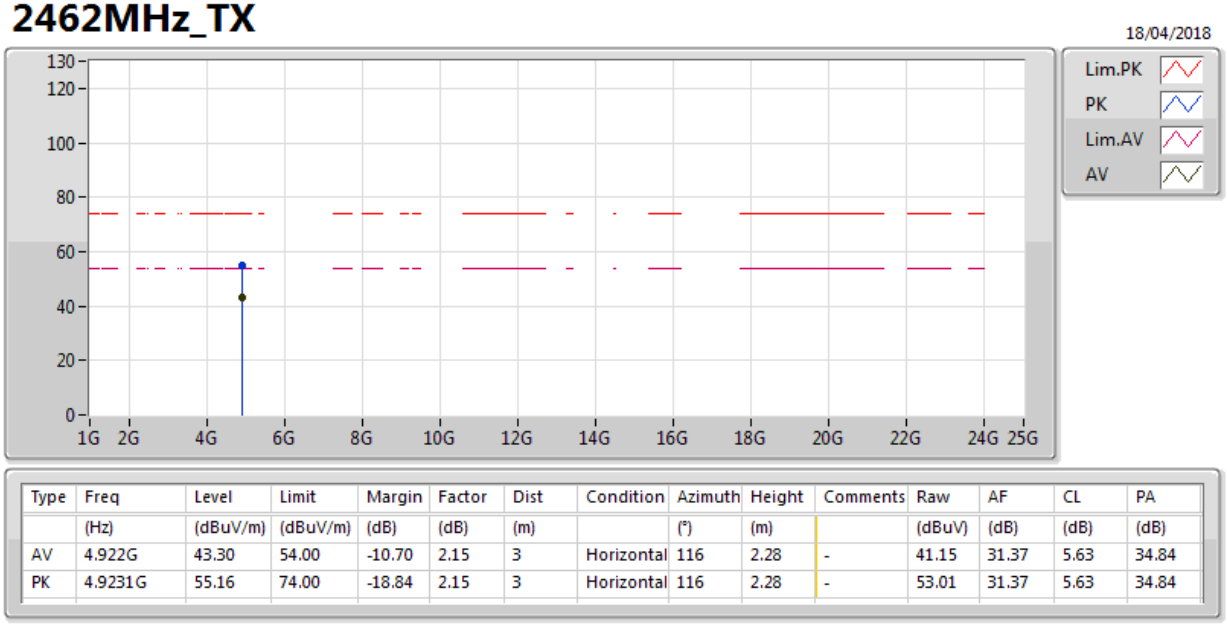
2462MHz_TX



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	4.9234G	53.70	54.00	-0.30	2.15	3	Vertical	189	2.07	-	51.55	31.37	5.63	34.84
PK	4.9228G	66.13	74.00	-7.87	2.15	3	Vertical	189	2.07	-	63.98	31.37	5.63	34.84

802.11g_Nss1,(6Mbps)_2TX

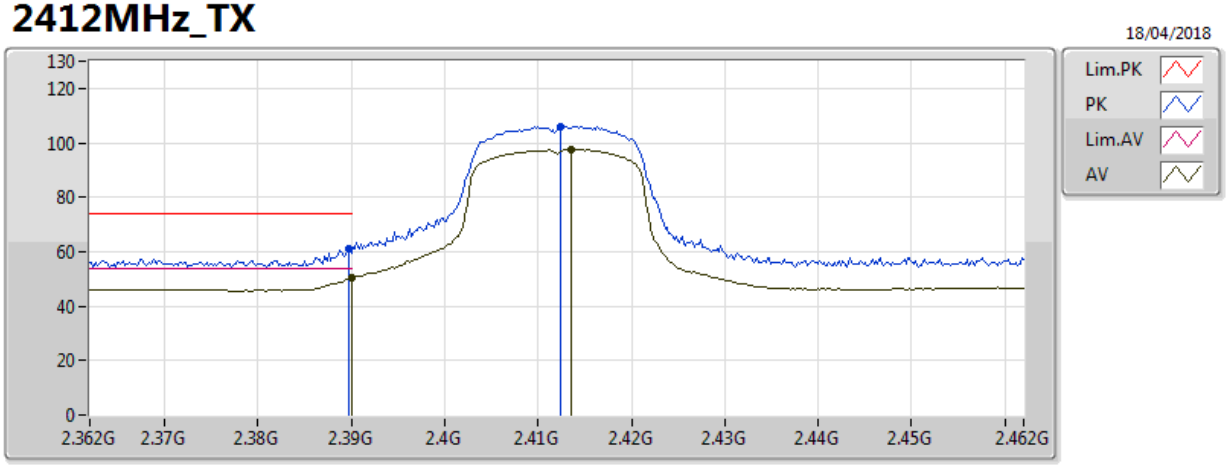
2462MHz_TX



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	4.922G	43.30	54.00	-10.70	2.15	3	Horizontal	116	2.28	-	41.15	31.37	5.63	34.84
PK	4.9231G	55.16	74.00	-18.84	2.15	3	Horizontal	116	2.28	-	53.01	31.37	5.63	34.84

802.11n HT20_Nss1,(MCS0)_2TX

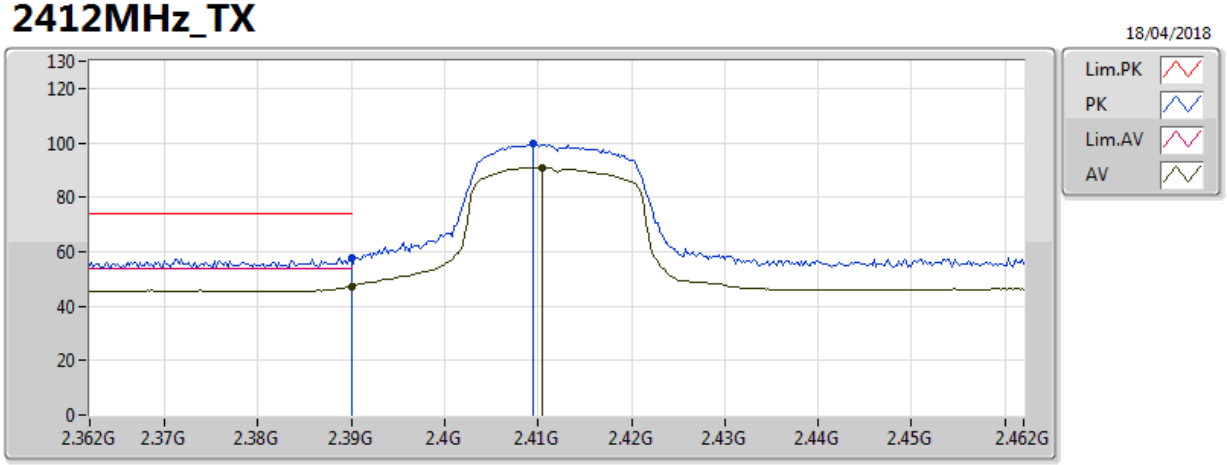
2412MHz_TX



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	2.389998G	50.27	54.00	-3.73	30.91	3	Vertical	251	3.09	-	19.36	27.05	3.86	-
AV	2.4136G	97.43	Inf	-Inf	30.98	3	Vertical	251	3.09	-	66.45	27.10	3.88	-
PK	2.3898G	61.34	74.00	-12.66	30.91	3	Vertical	251	3.09	-	30.43	27.05	3.86	-
PK	2.4124G	106.04	Inf	-Inf	30.98	3	Vertical	251	3.09	-	75.06	27.10	3.88	-

802.11n HT20_Nss1,(MCS0)_2TX

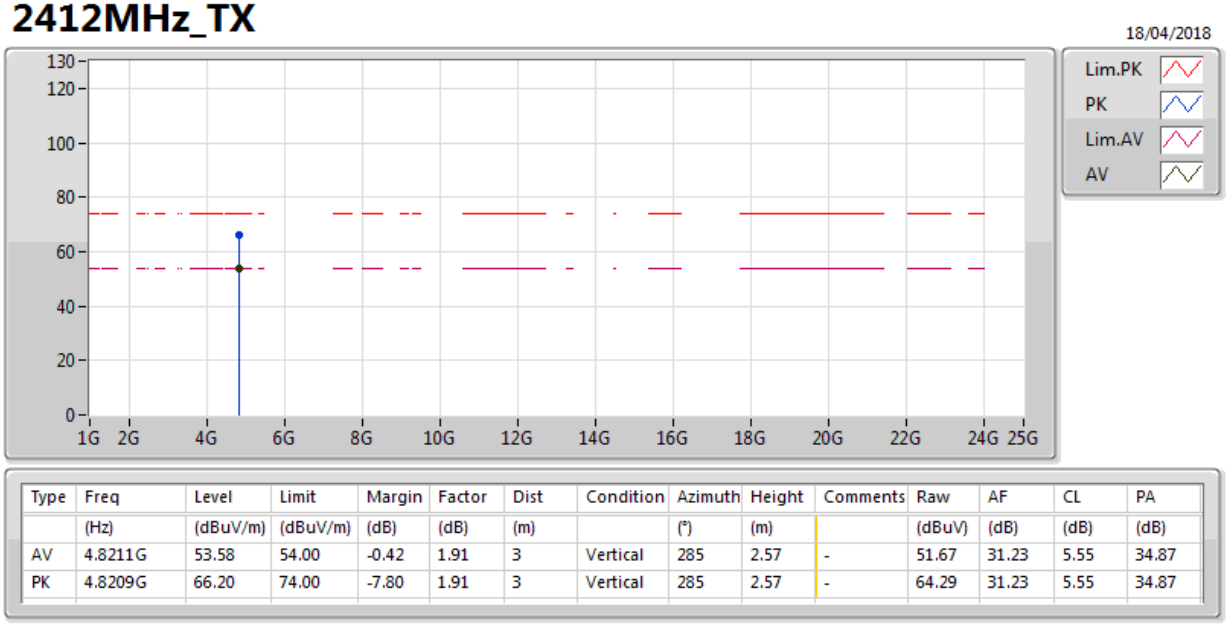
2412MHz_TX



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	2.389998G	47.25	54.00	-6.75	30.91	3	Horizontal	123	2.84	-	16.34	27.05	3.86	-
AV	2.4104G	90.99	Inf	-Inf	30.97	3	Horizontal	123	2.84	-	60.02	27.09	3.88	-
PK	2.389998G	57.52	74.00	-16.48	30.91	3	Horizontal	123	2.84	-	26.61	27.05	3.86	-
PK	2.4094G	99.69	Inf	-Inf	30.97	3	Horizontal	123	2.84	-	68.72	27.09	3.88	-

802.11n HT20_Nss1,(MCS0)_2TX

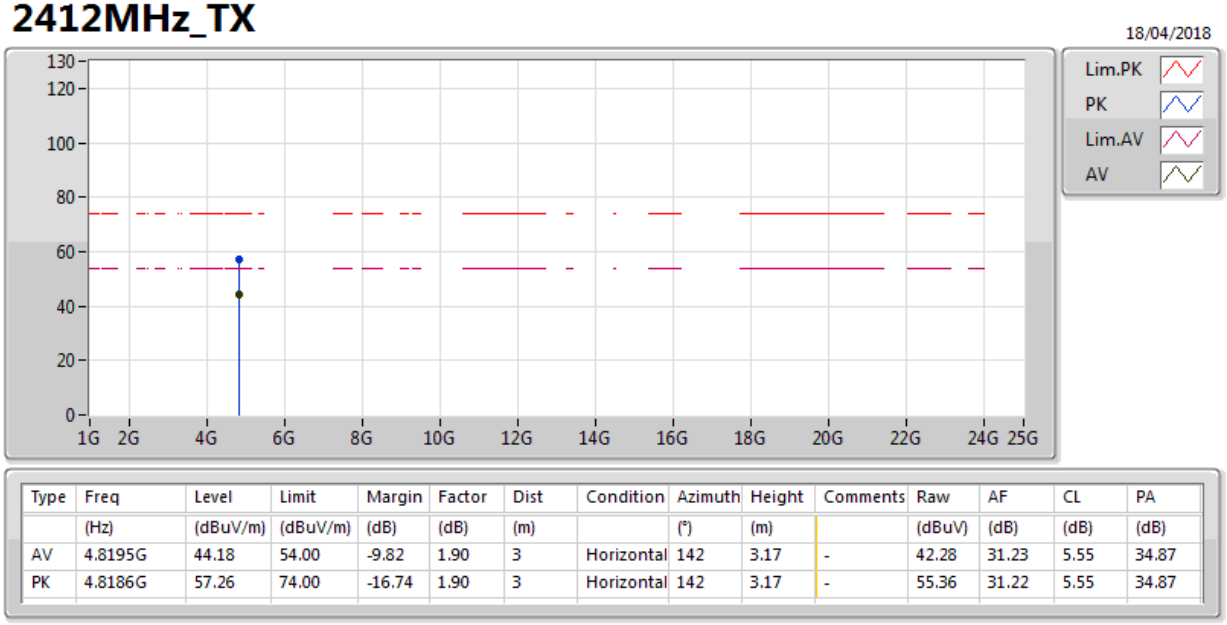
2412MHz_TX



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	4.8211G	53.58	54.00	-0.42	1.91	3	Vertical	285	2.57	-	51.67	31.23	5.55	34.87
PK	4.8209G	66.20	74.00	-7.80	1.91	3	Vertical	285	2.57	-	64.29	31.23	5.55	34.87

802.11n HT20_Nss1,(MCS0)_2TX

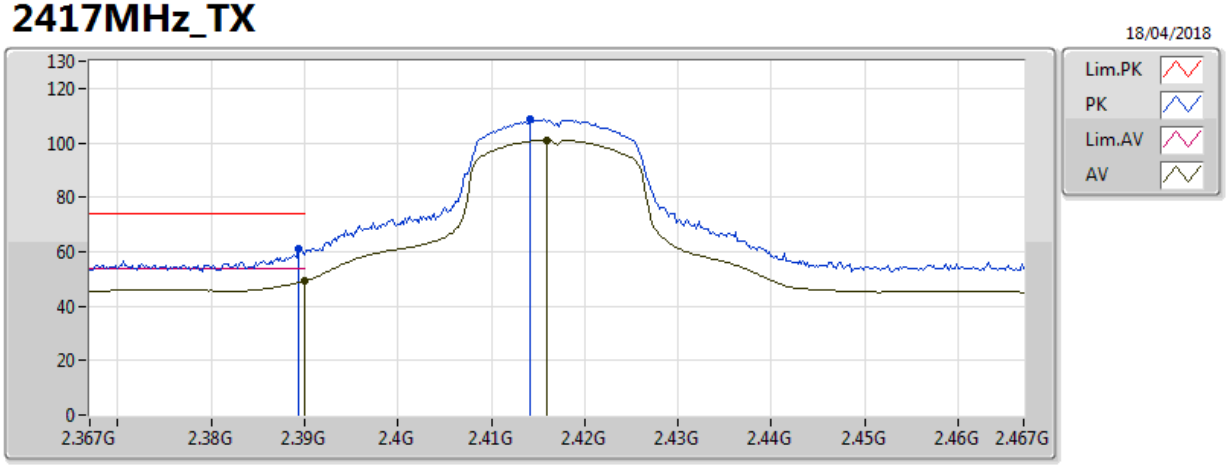
2412MHz_TX



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	4.8195G	44.18	54.00	-9.82	1.90	3	Horizontal	142	3.17	-	42.28	31.23	5.55	34.87
PK	4.8186G	57.26	74.00	-16.74	1.90	3	Horizontal	142	3.17	-	55.36	31.22	5.55	34.87

802.11n HT20_Nss1,(MCS0)_2TX

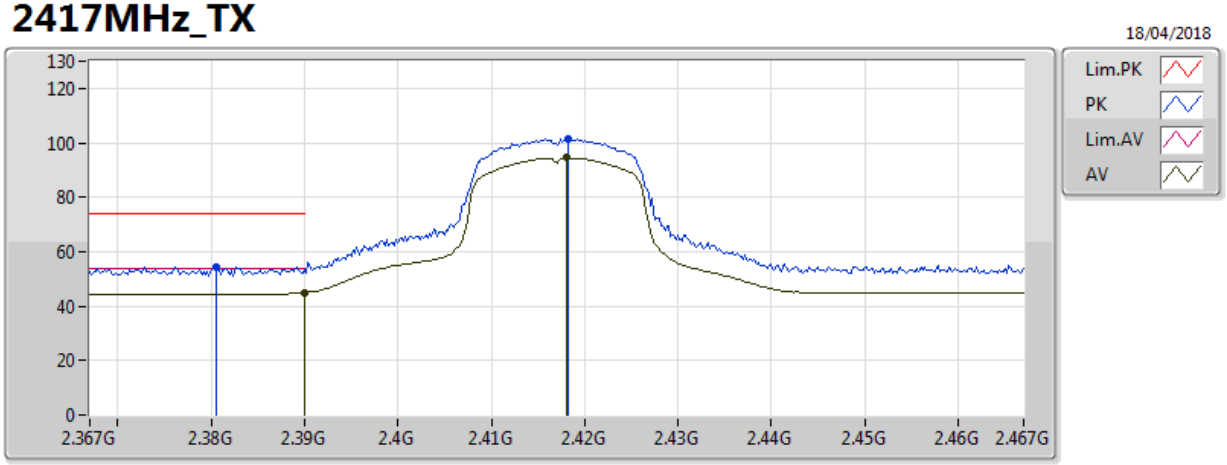
2417MHz_TX



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	2.389998G	49.19	54.00	-4.81	30.57	3	Vertical	262	2.76	-	18.62	26.99	3.58	-
AV	2.416G	100.95	Inf	-Inf	30.67	3	Vertical	262	2.76	-	70.28	27.06	3.60	-
PK	2.3894G	60.97	74.00	-13.03	30.57	3	Vertical	262	2.76	-	30.40	26.99	3.58	-
PK	2.4142G	108.72	Inf	-Inf	30.66	3	Vertical	262	2.76	-	78.06	27.06	3.60	-

802.11n HT20_Nss1,(MCS0)_2TX

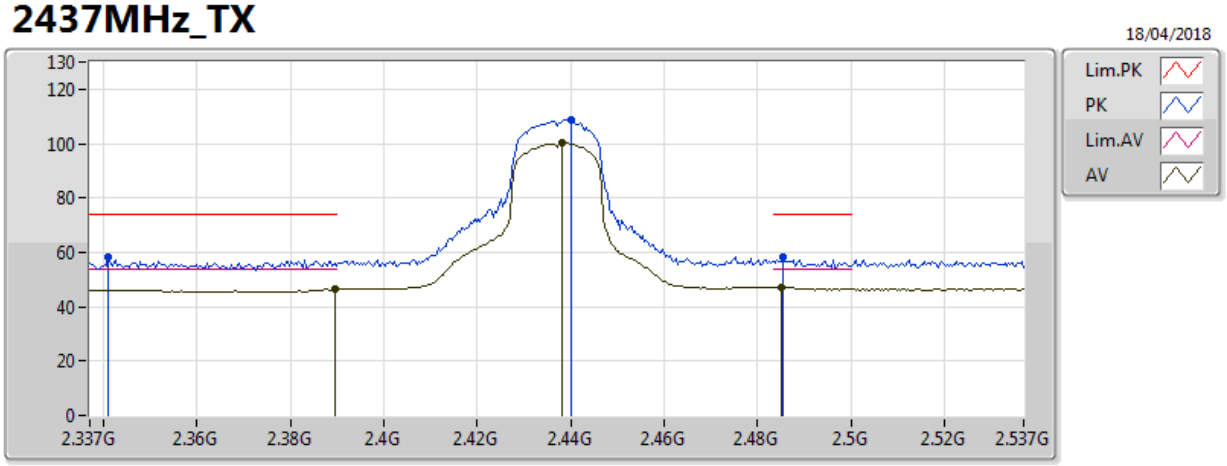
2417MHz_TX



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	2.389998G	44.96	54.00	-9.04	30.57	3	Horizontal	136	2.85	-	14.39	26.99	3.58	-
AV	2.418G	94.42	Inf	-Inf	30.67	3	Horizontal	136	2.85	-	63.75	27.07	3.60	-
PK	2.3806G	54.46	74.00	-19.54	30.55	3	Horizontal	136	2.85	-	23.91	26.97	3.58	-
PK	2.4182G	101.68	Inf	-Inf	30.68	3	Horizontal	136	2.85	-	71.00	27.07	3.60	-

802.11n HT20_Nss1,(MCS0)_2TX

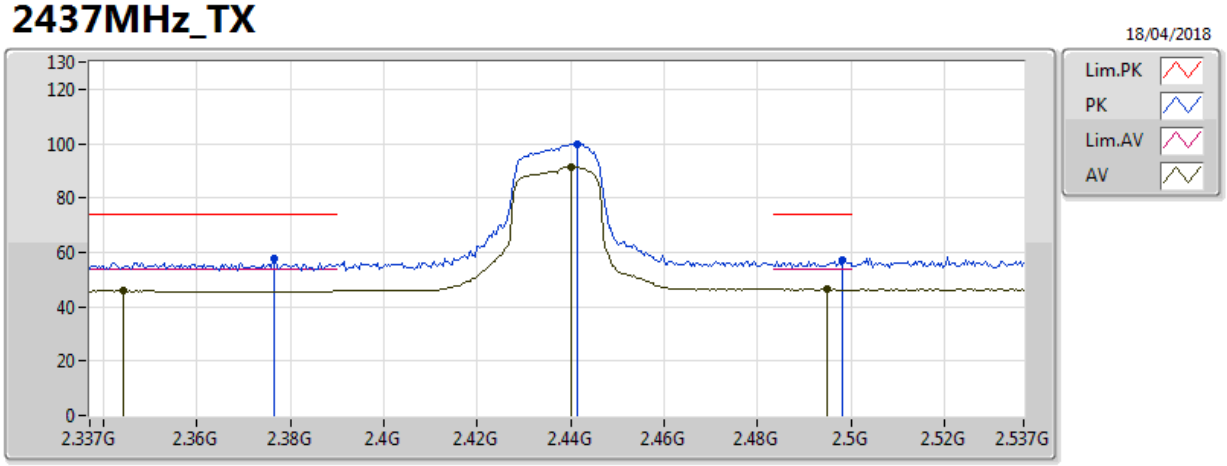
2437MHz_TX



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	2.3894G	46.49	54.00	-7.51	30.91	3	Vertical	265	2.71	-	15.58	27.05	3.86	-
AV	2.4382G	100.14	Inf	-Inf	31.06	3	Vertical	265	2.71	-	69.08	27.16	3.90	-
AV	2.485G	47.21	54.00	-6.79	31.22	3	Vertical	265	2.71	-	15.99	27.27	3.95	-
PK	2.341G	58.51	74.00	-15.49	30.75	3	Vertical	265	2.71	-	27.76	26.93	3.82	-
PK	2.4402G	108.95	Inf	-Inf	31.07	3	Vertical	265	2.71	-	77.88	27.16	3.91	-
PK	2.4854G	58.17	74.00	-15.83	31.22	3	Vertical	265	2.71	-	26.95	27.27	3.95	-

802.11n HT20_Nss1,(MCS0)_2TX

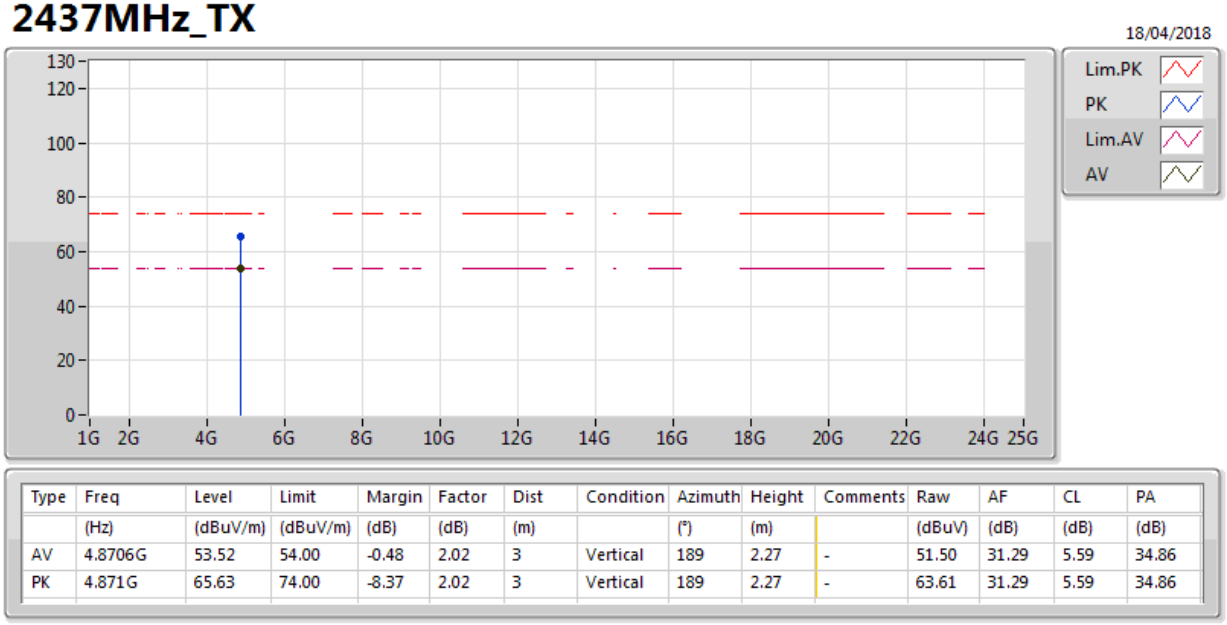
2437MHz_TX



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	2.3442G	45.97	54.00	-8.03	30.77	3	Horizontal	120	2.42	-	15.20	26.94	3.83	-
AV	2.4402G	91.49	Inf	-Inf	31.07	3	Horizontal	120	2.42	-	60.42	27.16	3.91	-
AV	2.495G	46.41	54.00	-7.59	31.25	3	Horizontal	120	2.42	-	15.16	27.29	3.96	-
PK	2.3766G	57.73	74.00	-16.27	30.87	3	Horizontal	120	2.42	-	26.86	27.02	3.85	-
PK	2.4414G	99.79	Inf	-Inf	31.07	3	Horizontal	120	2.42	-	68.72	27.17	3.91	-
PK	2.4982G	57.18	74.00	-16.82	31.26	3	Horizontal	120	2.42	-	25.92	27.30	3.96	-

802.11n HT20_Nss1,(MCS0)_2TX

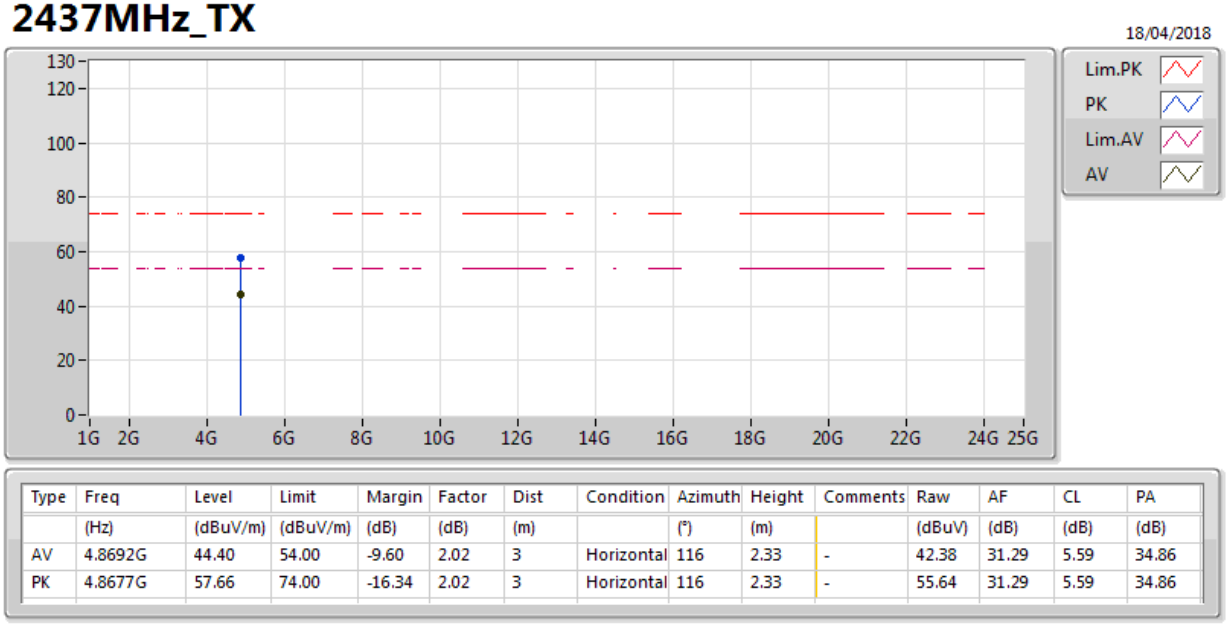
2437MHz_TX



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	4.8706G	53.52	54.00	-0.48	2.02	3	Vertical	189	2.27	-	51.50	31.29	5.59	34.86
PK	4.871G	65.63	74.00	-8.37	2.02	3	Vertical	189	2.27	-	63.61	31.29	5.59	34.86

802.11n HT20_Nss1,(MCS0)_2TX

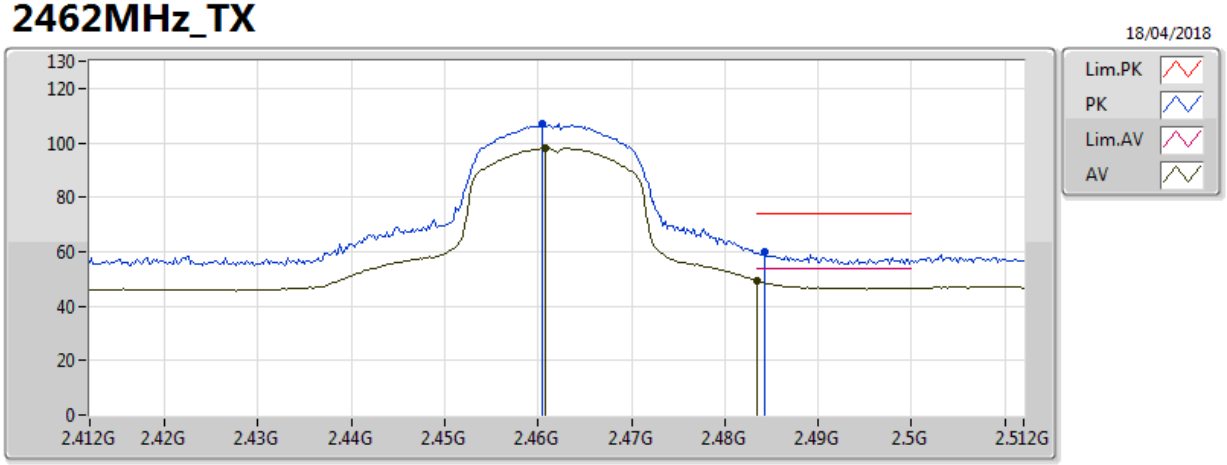
2437MHz_TX



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	4.8692G	44.40	54.00	-9.60	2.02	3	Horizontal	116	2.33	-	42.38	31.29	5.59	34.86
PK	4.8677G	57.66	74.00	-16.34	2.02	3	Horizontal	116	2.33	-	55.64	31.29	5.59	34.86

802.11n HT20_Nss1,(MCS0)_2TX

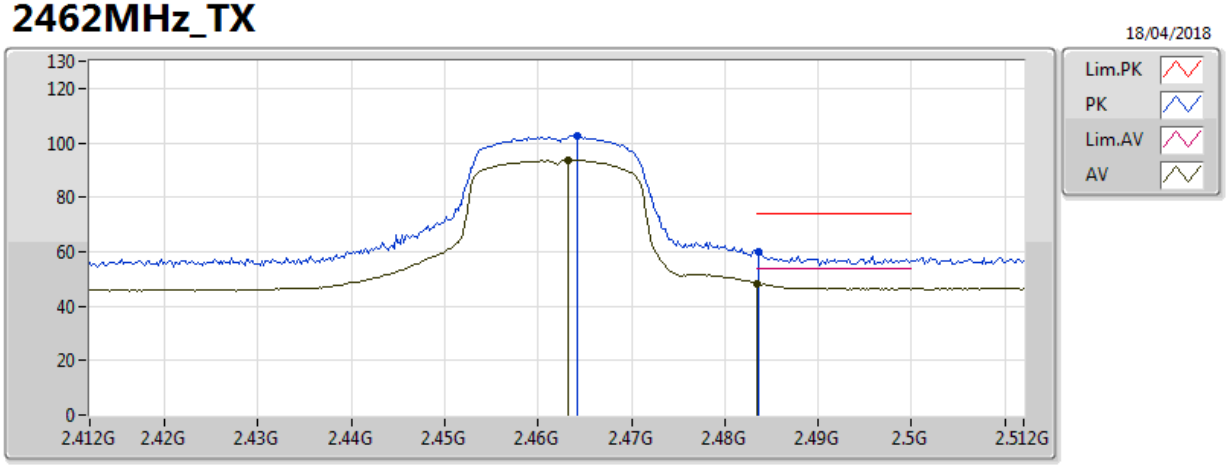
2462MHz_TX



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	2.4608G	97.95	Inf	-Inf	31.13	3	Vertical	240	1.21	-	66.82	27.21	3.92	-
AV	2.483502G	49.08	54.00	-4.92	31.21	3	Vertical	240	1.21	-	17.87	27.26	3.95	-
PK	2.4604G	107.26	Inf	-Inf	31.13	3	Vertical	240	1.21	-	76.13	27.21	3.92	-
PK	2.4842G	59.71	74.00	-14.29	31.21	3	Vertical	240	1.21	-	28.50	27.26	3.95	-

802.11n HT20_Nss1,(MCS0)_2TX

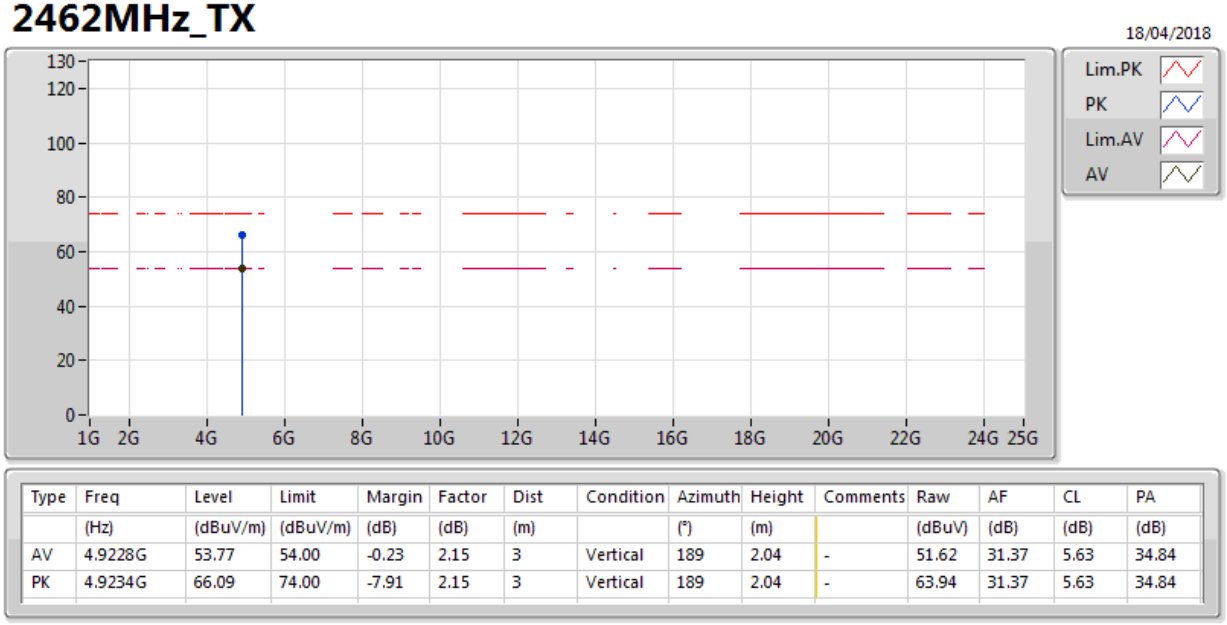
2462MHz_TX



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	2.4632G	93.68	Inf	-Inf	31.14	3	Horizontal	123	3.06	-	62.54	27.22	3.93	-
AV	2.483502G	48.42	54.00	-5.58	31.21	3	Horizontal	123	3.06	-	17.21	27.26	3.95	-
PK	2.4642G	102.66	Inf	-Inf	31.15	3	Horizontal	123	3.06	-	71.51	27.22	3.93	-
PK	2.4836G	59.71	74.00	-14.29	31.21	3	Horizontal	123	3.06	-	28.50	27.26	3.95	-

802.11n HT20_Nss1,(MCS0)_2TX

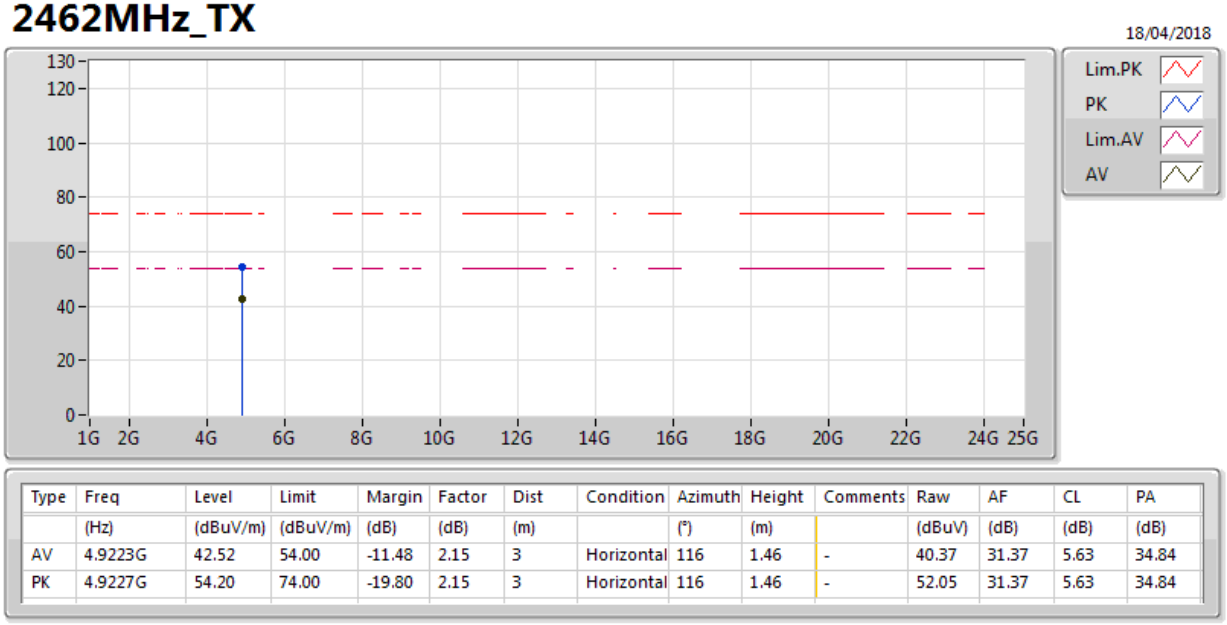
2462MHz_TX



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	4.9228G	53.77	54.00	-0.23	2.15	3	Vertical	189	2.04	-	51.62	31.37	5.63	34.84
PK	4.9234G	66.09	74.00	-7.91	2.15	3	Vertical	189	2.04	-	63.94	31.37	5.63	34.84

802.11n HT20_Nss1,(MCS0)_2TX

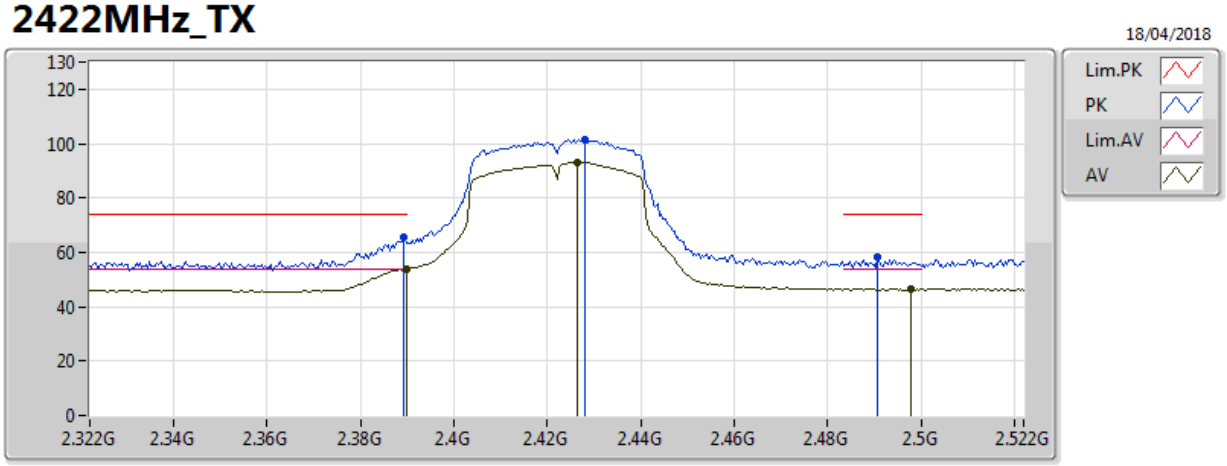
2462MHz_TX



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	4.9223G	42.52	54.00	-11.48	2.15	3	Horizontal	116	1.46	-	40.37	31.37	5.63	34.84
PK	4.9227G	54.20	74.00	-19.80	2.15	3	Horizontal	116	1.46	-	52.05	31.37	5.63	34.84

802.11n HT40_Nss1,(MCS0)_2TX

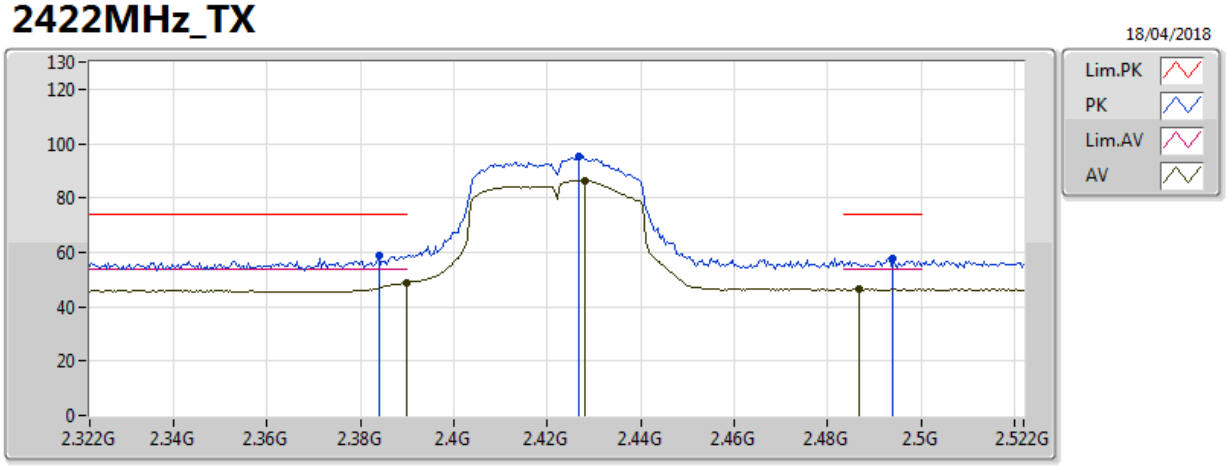
2422MHz_TX



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	53.85	54.00	-0.15	30.91	3	Vertical	261	3.11	-	22.94	27.05	3.86	-
AV	2.4264G	93.18	Inf	-Inf	31.02	3	Vertical	261	3.11	-	62.16	27.13	3.89	-
AV	2.498G	46.42	54.00	-7.58	31.26	3	Vertical	261	3.11	-	15.16	27.30	3.96	-
PK	2.3892G	65.80	74.00	-8.20	30.91	3	Vertical	261	3.11	-	34.89	27.05	3.86	-
PK	2.428G	101.35	Inf	-Inf	31.03	3	Vertical	261	3.11	-	70.32	27.13	3.90	-
PK	2.4908G	58.47	74.00	-15.53	31.23	3	Vertical	261	3.11	-	27.24	27.28	3.95	-

802.11n HT40_Nss1,(MCS0)_2TX

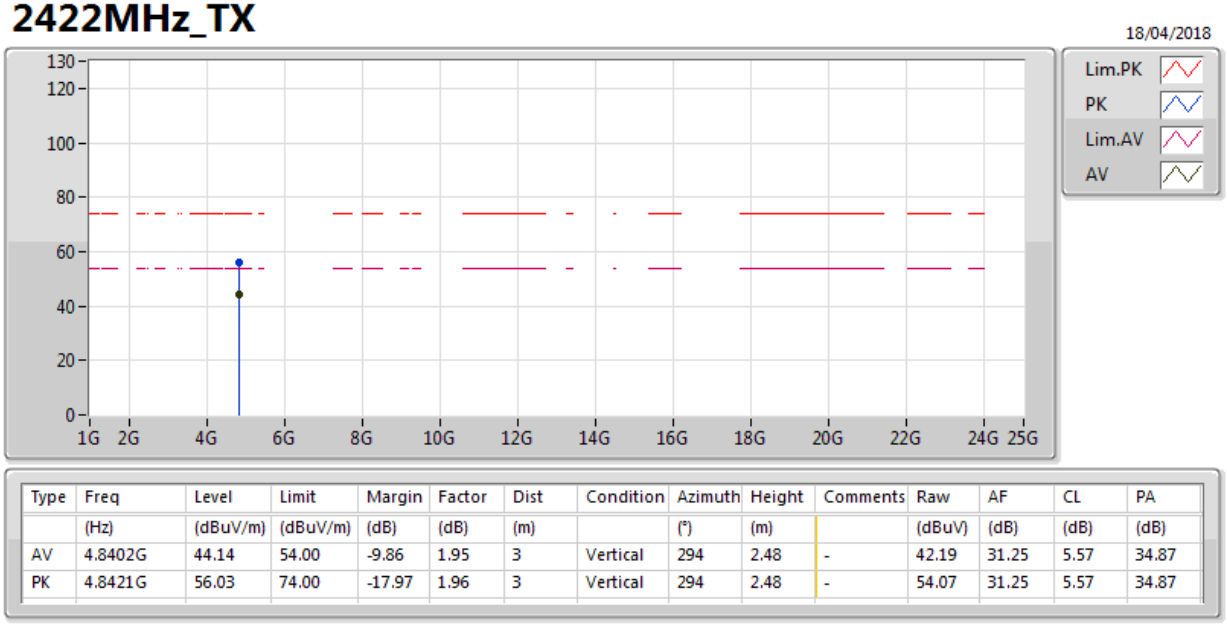
2422MHz_TX



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	48.79	54.00	-5.21	30.91	3	Horizontal	122	2.79	-	17.88	27.05	3.86	-
AV	2.428G	86.52	Inf	-Inf	31.03	3	Horizontal	122	2.79	-	55.49	27.13	3.90	-
AV	2.4868G	46.67	54.00	-7.33	31.22	3	Horizontal	122	2.79	-	15.45	27.27	3.95	-
PK	2.384G	58.80	74.00	-15.20	30.89	3	Horizontal	122	2.79	-	27.91	27.03	3.86	-
PK	2.4268G	95.15	Inf	-Inf	31.03	3	Horizontal	122	2.79	-	64.12	27.13	3.89	-
PK	2.494G	57.81	74.00	-16.19	31.24	3	Horizontal	122	2.79	-	26.57	27.29	3.95	-

802.11n HT40_Nss1,(MCS0)_2TX

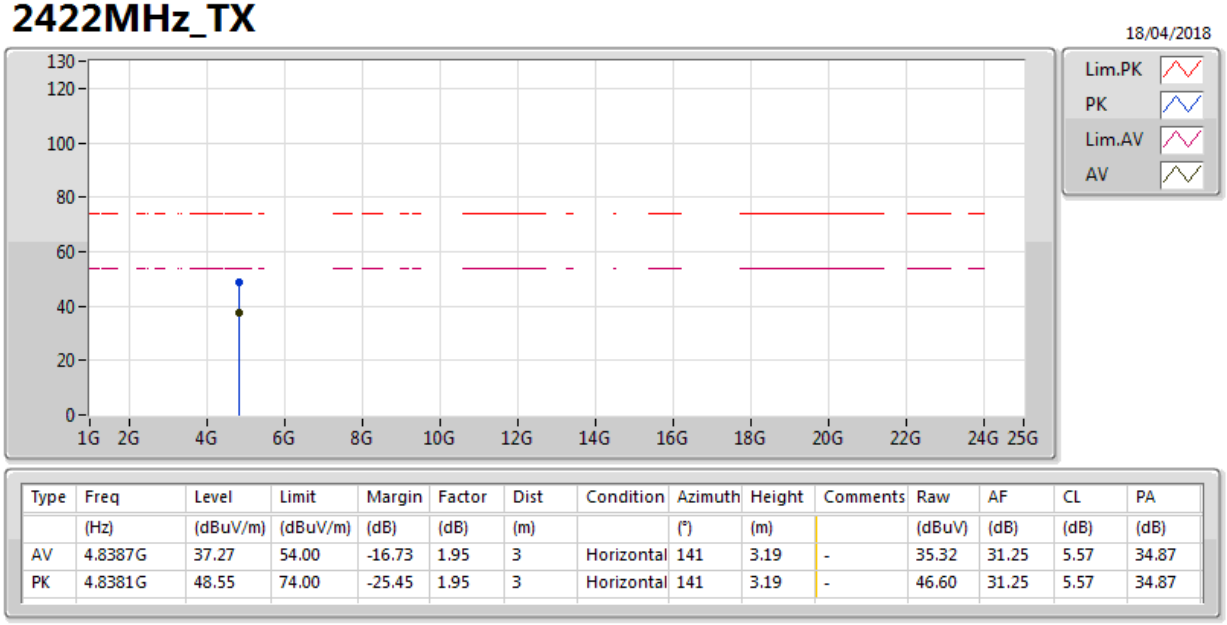
2422MHz_TX



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	4.8402G	44.14	54.00	-9.86	1.95	3	Vertical	294	2.48	-	42.19	31.25	5.57	34.87
PK	4.8421G	56.03	74.00	-17.97	1.96	3	Vertical	294	2.48	-	54.07	31.25	5.57	34.87

802.11n HT40_Nss1,(MCS0)_2TX

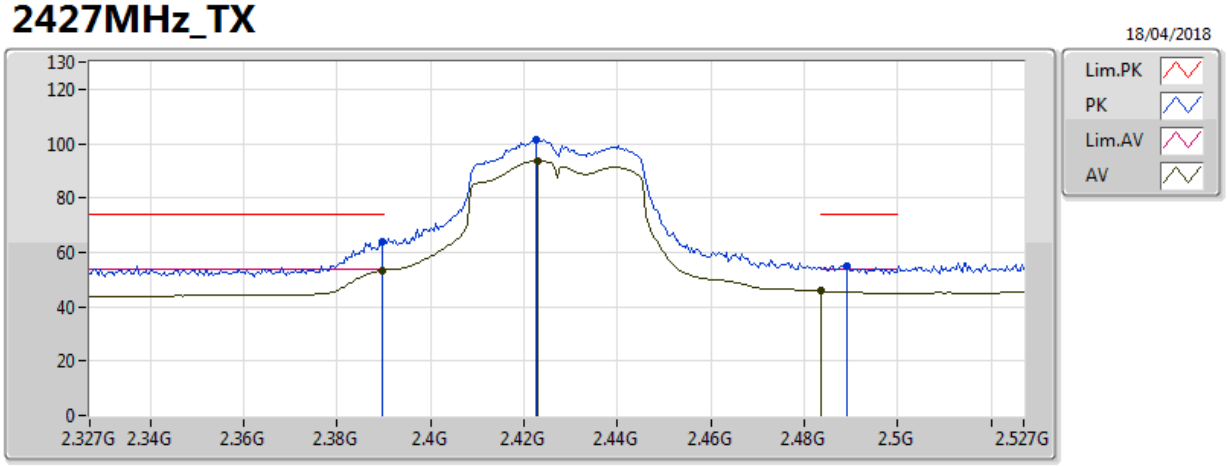
2422MHz_TX



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	4.8387G	37.27	54.00	-16.73	1.95	3	Horizontal	141	3.19	-	35.32	31.25	5.57	34.87
PK	4.8381G	48.55	74.00	-25.45	1.95	3	Horizontal	141	3.19	-	46.60	31.25	5.57	34.87

802.11n HT40_Nss1,(MCS0)_2TX

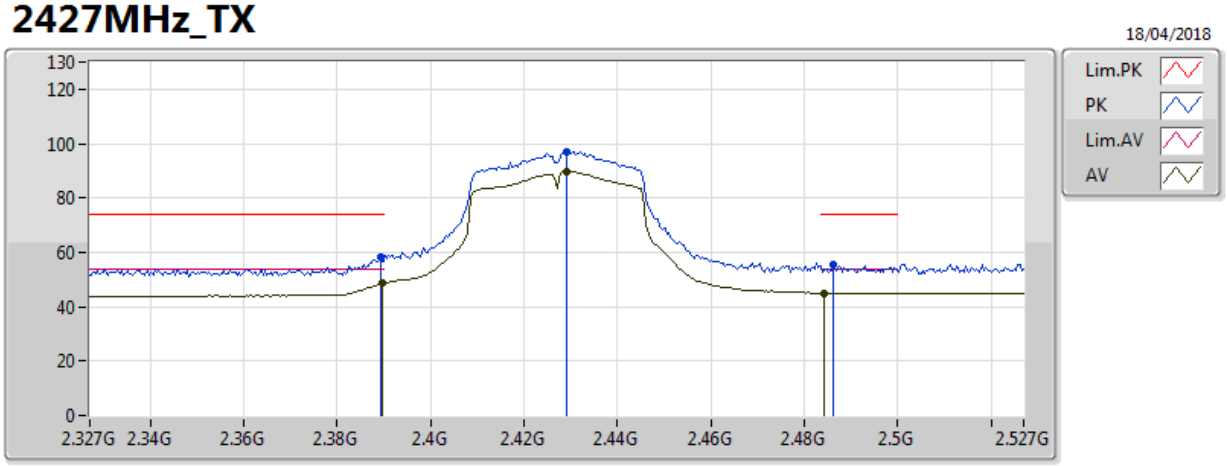
2427MHz_TX



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	53.44	54.00	-0.56	30.57	3	Vertical	238	1.06	-	22.87	26.99	3.58	-
AV	2.423G	93.62	Inf	-Inf	30.69	3	Vertical	238	1.06	-	62.93	27.08	3.61	-
AV	2.483502G	45.68	54.00	-8.32	30.91	3	Vertical	238	1.06	-	14.77	27.25	3.66	-
PK	2.3898G	63.60	74.00	-10.40	30.57	3	Vertical	238	1.06	-	33.03	26.99	3.58	-
PK	2.4226G	101.39	Inf	-Inf	30.69	3	Vertical	238	1.06	-	70.70	27.08	3.61	-
PK	2.489G	55.10	74.00	-18.90	30.93	3	Vertical	238	1.06	-	24.17	27.27	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

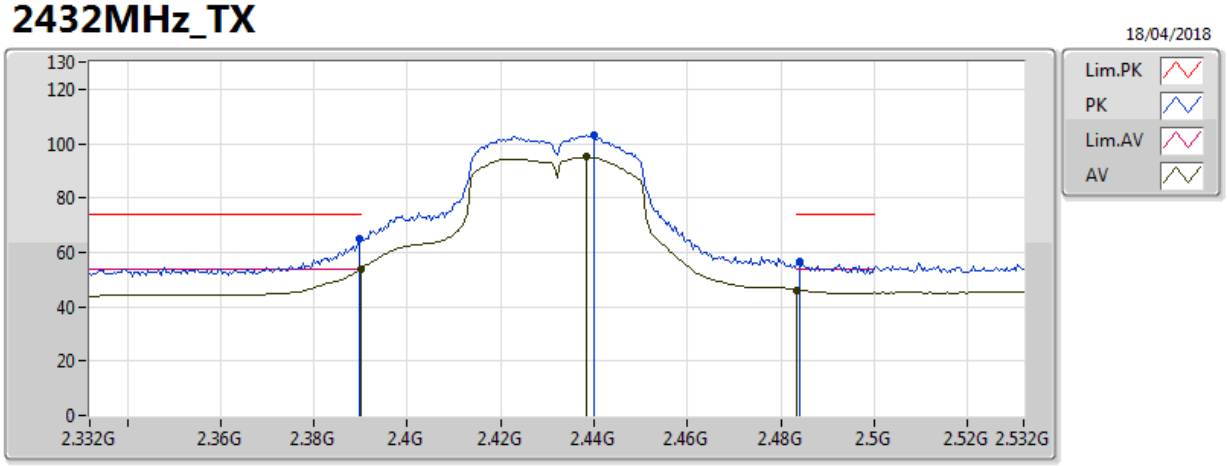
2427MHz_TX



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	48.61	54.00	-5.39	30.57	3	Horizontal	140	2.80	-	18.04	26.99	3.58	-
AV	2.429G	89.60	Inf	-Inf	30.71	3	Horizontal	140	2.80	-	58.89	27.10	3.61	-
AV	2.4842G	45.00	54.00	-9.00	30.92	3	Horizontal	140	2.80	-	14.08	27.26	3.66	-
PK	2.3894G	58.07	74.00	-15.93	30.57	3	Horizontal	140	2.80	-	27.50	26.99	3.58	-
PK	2.429G	97.19	Inf	-Inf	30.71	3	Horizontal	140	2.80	-	66.48	27.10	3.61	-
PK	2.4862G	55.37	74.00	-18.63	30.92	3	Horizontal	140	2.80	-	24.45	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

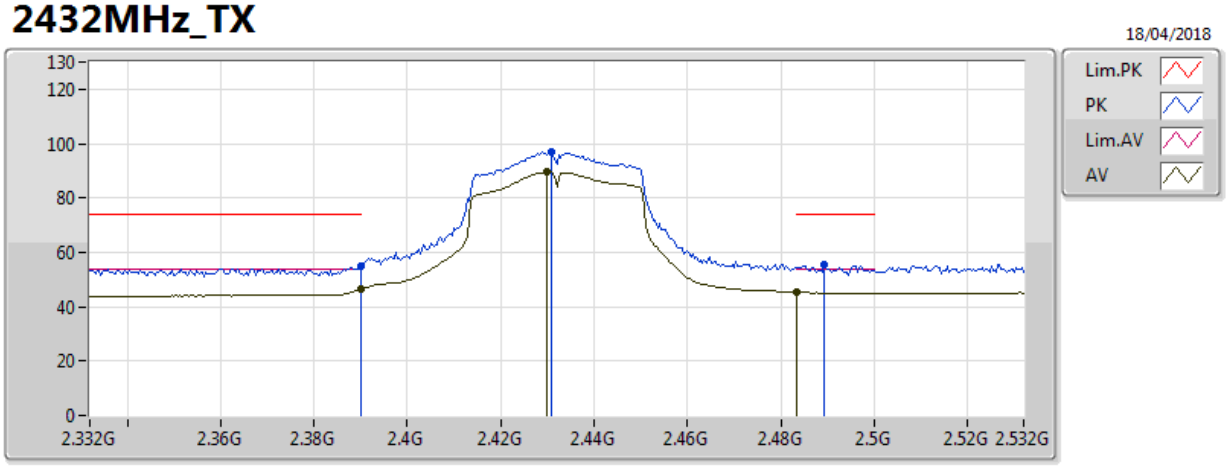
2432MHz_TX



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	2.389998G	53.78	54.00	-0.22	30.57	3	Vertical	259	2.69	-	23.21	26.99	3.58	-
AV	2.4384G	95.00	Inf	-Inf	30.75	3	Vertical	259	2.69	-	64.25	27.13	3.62	-
AV	2.483502G	46.20	54.00	-7.80	30.91	3	Vertical	259	2.69	-	15.29	27.25	3.66	-
PK	2.3896G	64.86	74.00	-9.14	30.57	3	Vertical	259	2.69	-	34.29	26.99	3.58	-
PK	2.44G	103.08	Inf	-Inf	30.75	3	Vertical	259	2.69	-	72.33	27.13	3.62	-
PK	2.484G	56.65	74.00	-17.35	30.92	3	Vertical	259	2.69	-	25.73	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

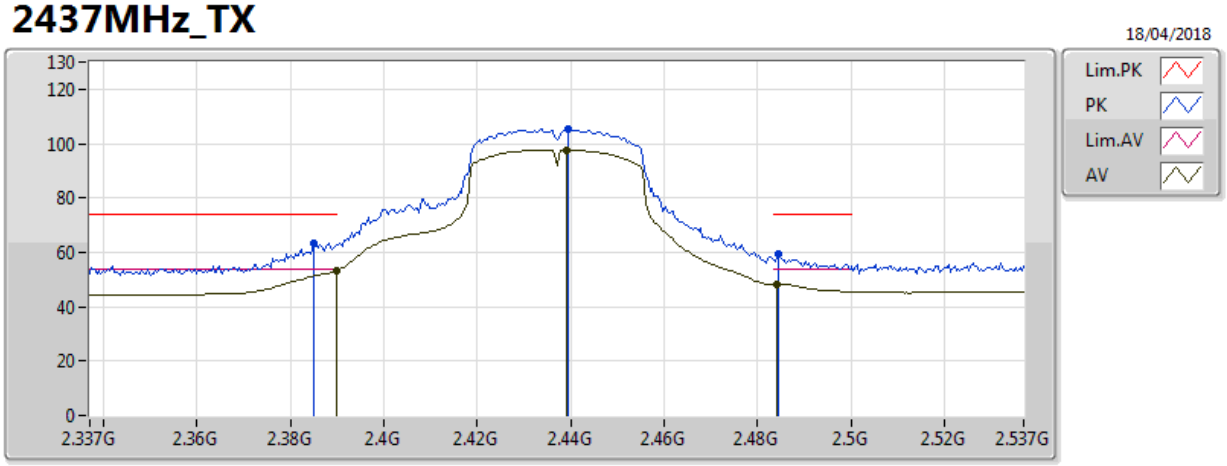
2432MHz_TX



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	2.389998G	46.37	54.00	-7.63	30.57	3	Horizontal	141	3.14	-	15.80	26.99	3.58	-
AV	2.43G	89.53	Inf	-Inf	30.72	3	Horizontal	141	3.14	-	58.81	27.10	3.61	-
AV	2.483502G	45.34	54.00	-8.66	30.91	3	Horizontal	141	3.14	-	14.43	27.25	3.66	-
PK	2.389998G	54.64	74.00	-19.36	30.57	3	Horizontal	141	3.14	-	24.07	26.99	3.58	-
PK	2.4308G	96.97	Inf	-Inf	30.72	3	Horizontal	141	3.14	-	66.25	27.11	3.61	-
PK	2.4892G	55.53	74.00	-18.47	30.93	3	Horizontal	141	3.14	-	24.60	27.27	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

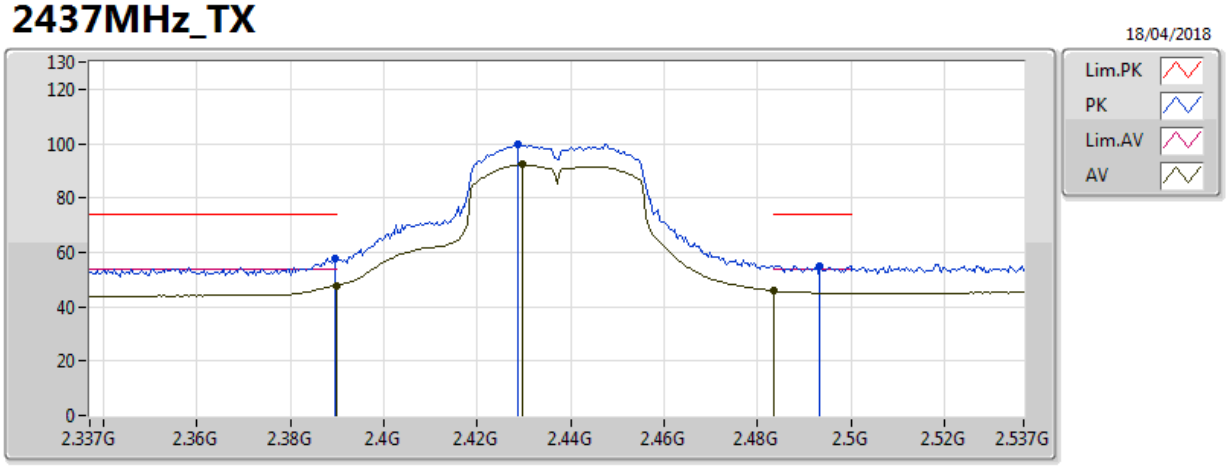
2437MHz_TX



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	2.3898G	53.06	54.00	-0.94	30.57	3	Vertical	278	2.72	-	22.49	26.99	3.58	-
AV	2.439G	97.76	Inf	-Inf	30.75	3	Vertical	278	2.72	-	67.01	27.13	3.62	-
AV	2.4842G	48.06	54.00	-5.94	30.92	3	Vertical	278	2.72	-	17.14	27.26	3.66	-
PK	2.385G	63.26	74.00	-10.74	30.56	3	Vertical	278	2.72	-	32.70	26.98	3.58	-
PK	2.4394G	105.41	Inf	-Inf	30.75	3	Vertical	278	2.72	-	74.66	27.13	3.62	-
PK	2.4846G	59.23	74.00	-14.77	30.92	3	Vertical	278	2.72	-	28.31	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

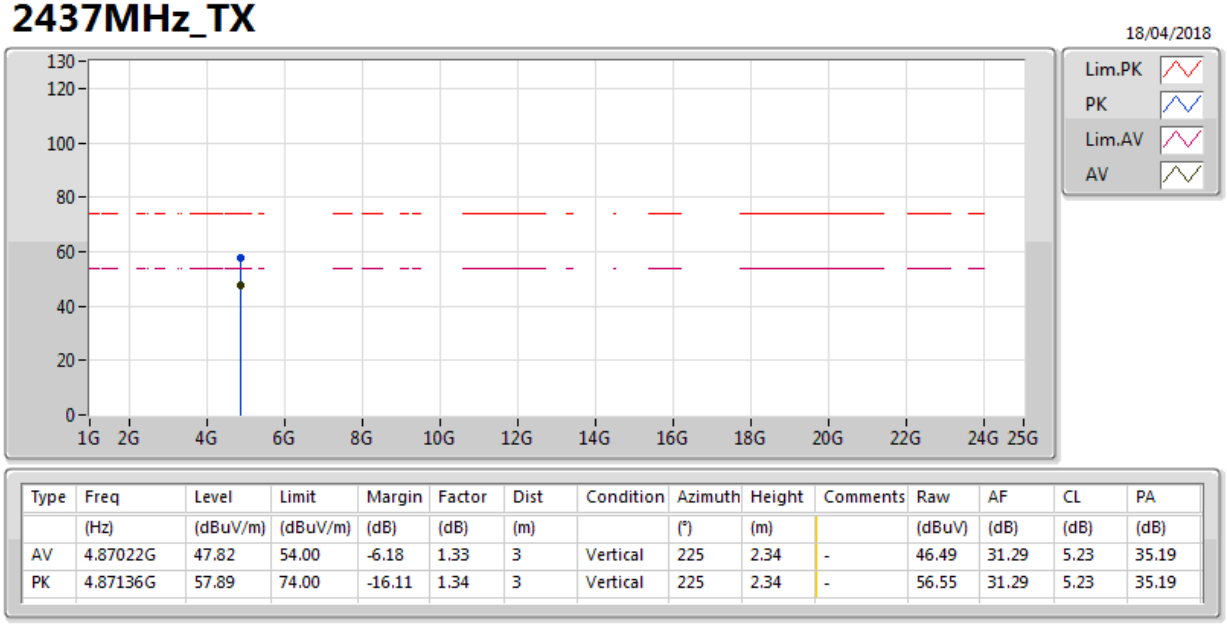
2437MHz_TX



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	2.3898G	47.83	54.00	-6.17	30.57	3	Horizontal	141	2.83	-	17.26	26.99	3.58	-
AV	2.4298G	92.25	Inf	-Inf	30.72	3	Horizontal	141	2.83	-	61.53	27.10	3.61	-
AV	2.483502G	45.80	54.00	-8.20	30.91	3	Horizontal	141	2.83	-	14.89	27.25	3.66	-
PK	2.3894G	57.85	74.00	-16.15	30.57	3	Horizontal	141	2.83	-	27.28	26.99	3.58	-
PK	2.4286G	99.59	Inf	-Inf	30.71	3	Horizontal	141	2.83	-	68.88	27.10	3.61	-
PK	2.4934G	55.14	74.00	-18.86	30.94	3	Horizontal	141	2.83	-	24.20	27.28	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

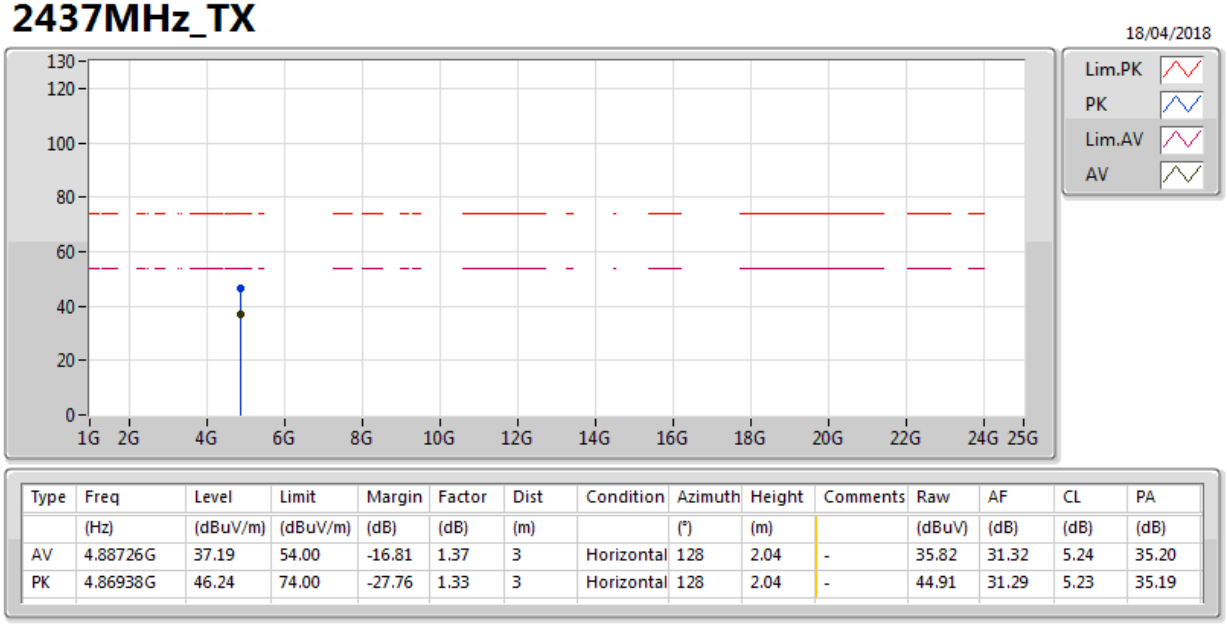
2437MHz_TX



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	4.87022G	47.82	54.00	-6.18	1.33	3	Vertical	225	2.34	-	46.49	31.29	5.23	35.19
PK	4.87136G	57.89	74.00	-16.11	1.34	3	Vertical	225	2.34	-	56.55	31.29	5.23	35.19

802.11n HT40_Nss1,(MCS0)_2TX

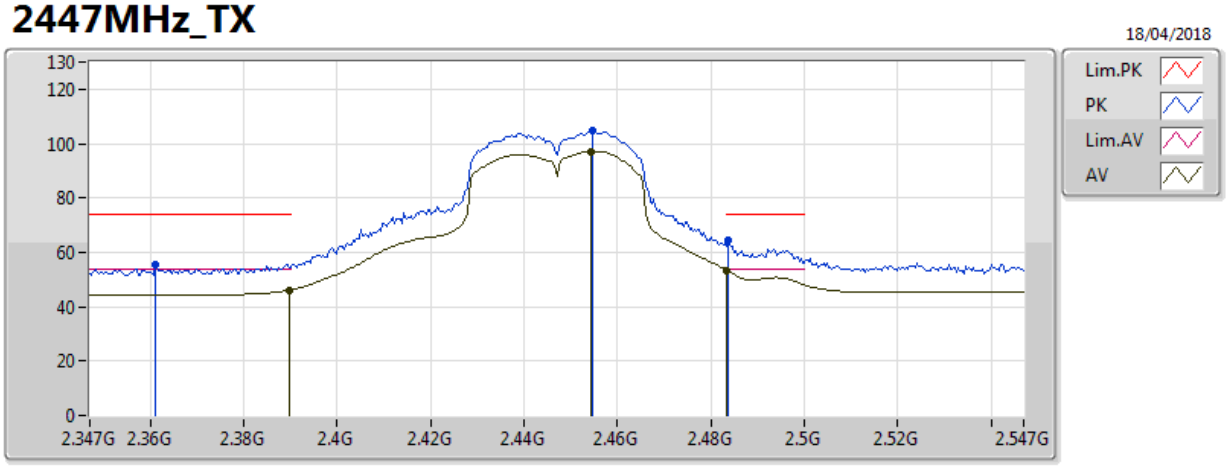
2437MHz_TX



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	4.88726G	37.19	54.00	-16.81	1.37	3	Horizontal	128	2.04	-	35.82	31.32	5.24	35.20
PK	4.86938G	46.24	74.00	-27.76	1.33	3	Horizontal	128	2.04	-	44.91	31.29	5.23	35.19

802.11n HT40_Nss1,(MCS0)_2TX

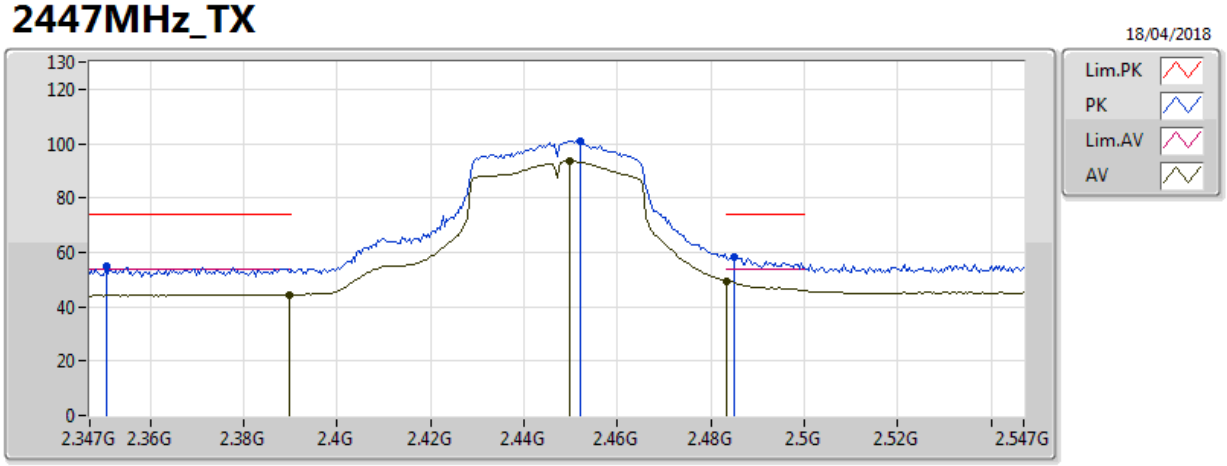
2447MHz_TX



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	2.3898G	46.11	54.00	-7.89	30.57	3	Vertical	262	1.35	-	15.54	26.99	3.58	-
AV	2.4542G	97.12	Inf	-Inf	30.81	3	Vertical	262	1.35	-	66.31	27.17	3.63	-
AV	2.483502G	53.37	54.00	-0.63	30.91	3	Vertical	262	1.35	-	22.46	27.25	3.66	-
PK	2.361G	55.70	74.00	-18.30	30.47	3	Vertical	262	1.35	-	25.23	26.91	3.56	-
PK	2.4546G	104.75	Inf	-Inf	30.81	3	Vertical	262	1.35	-	73.94	27.17	3.63	-
PK	2.4838G	64.63	74.00	-9.37	30.91	3	Vertical	262	1.35	-	33.72	27.25	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

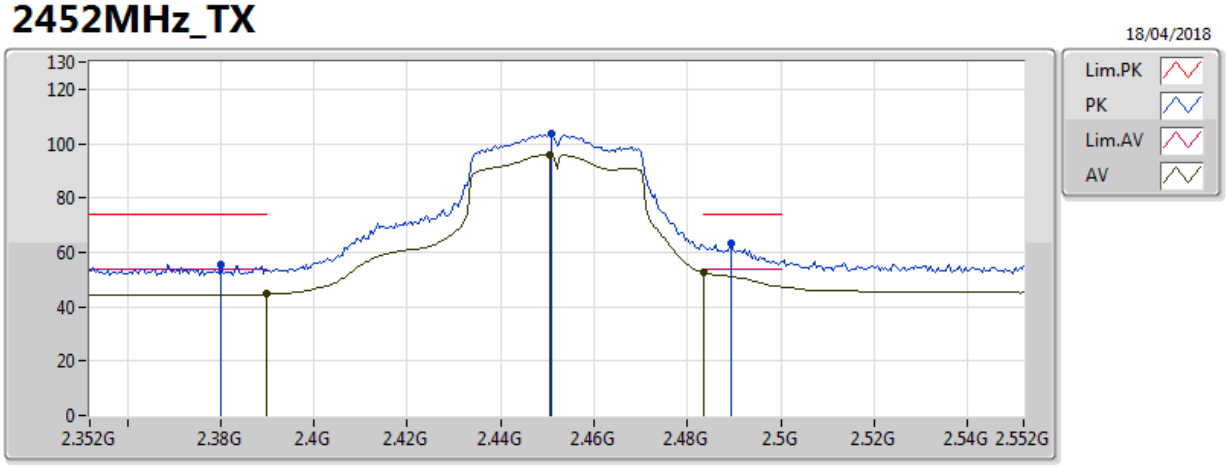
2447MHz_TX



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	2.3898G	44.36	54.00	-9.64	30.57	3	Horizontal	136	2.78	-	13.79	26.99	3.58	-
AV	2.4498G	93.47	Inf	-Inf	30.79	3	Horizontal	136	2.78	-	62.68	27.16	3.63	-
AV	2.483502G	49.57	54.00	-4.43	30.91	3	Horizontal	136	2.78	-	18.66	27.25	3.66	-
PK	2.3506G	54.64	74.00	-19.36	30.44	3	Horizontal	136	2.78	-	24.20	26.88	3.56	-
PK	2.4522G	101.04	Inf	-Inf	30.80	3	Horizontal	136	2.78	-	70.24	27.17	3.63	-
PK	2.485G	58.36	74.00	-15.64	30.92	3	Horizontal	136	2.78	-	27.44	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

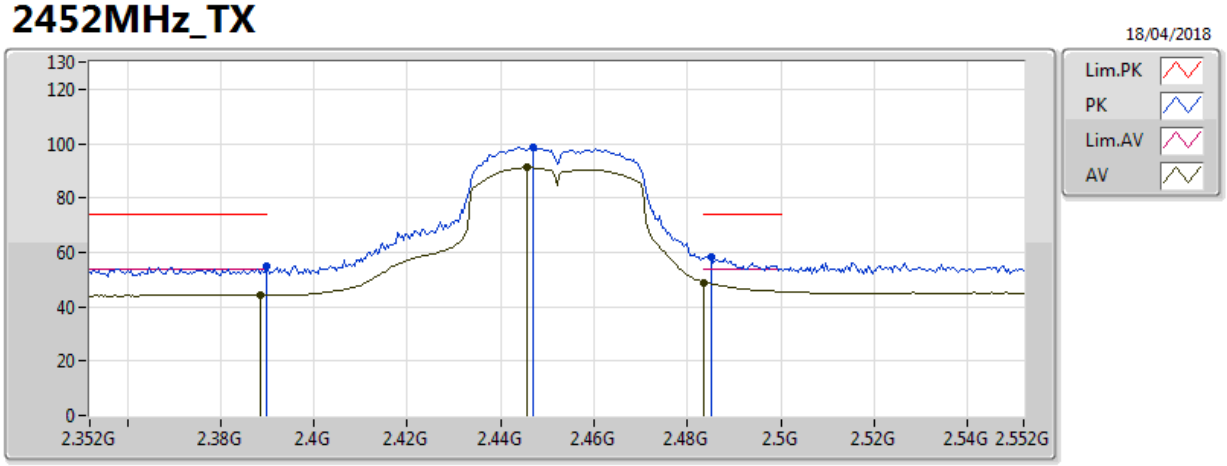
2452MHz_TX



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	2.389998G	44.55	54.00	-9.45	30.57	3	Vertical	263	1.34	-	13.98	26.99	3.58	-
AV	2.4504G	95.99	Inf	-Inf	30.79	3	Vertical	263	1.34	-	65.20	27.16	3.63	-
AV	2.483502G	52.43	54.00	-1.57	30.91	3	Vertical	263	1.34	-	21.52	27.25	3.66	-
PK	2.38G	55.51	74.00	-18.49	30.54	3	Vertical	263	1.34	-	24.97	26.96	3.58	-
PK	2.4508G	103.48	Inf	-Inf	30.79	3	Vertical	263	1.34	-	72.69	27.16	3.63	-
PK	2.4892G	63.35	74.00	-10.65	30.93	3	Vertical	263	1.34	-	32.42	27.27	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

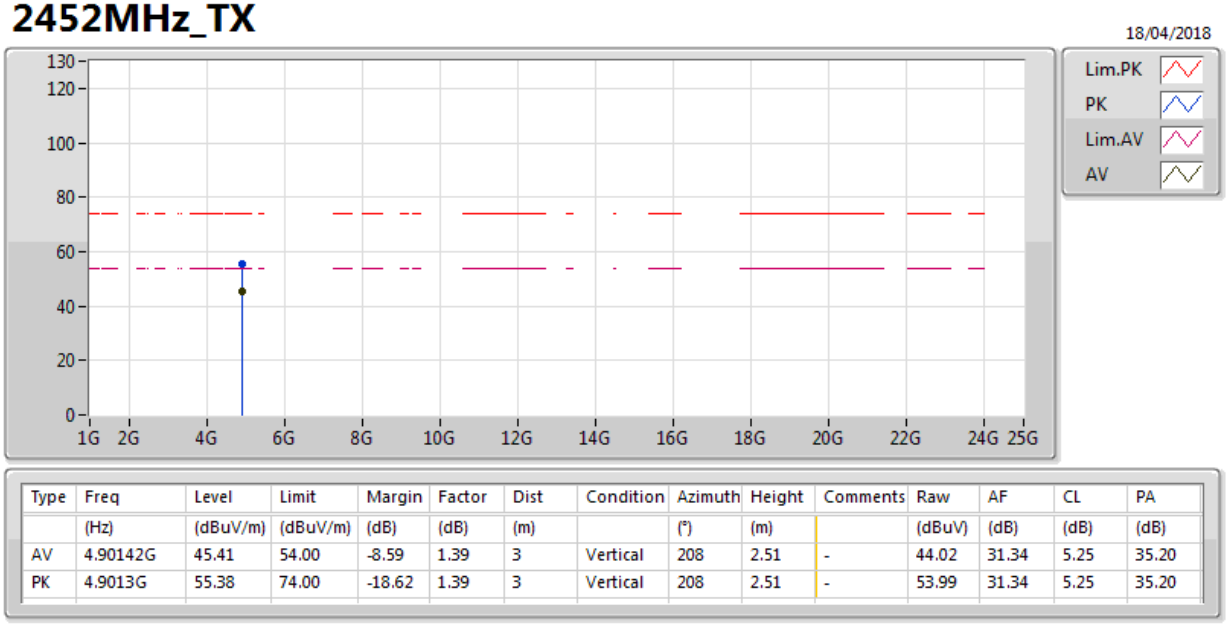
2452MHz_TX



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	2.3884G	44.15	54.00	-9.85	30.57	3	Horizontal	138	2.79	-	13.58	26.99	3.58	-
AV	2.4456G	91.11	Inf	-Inf	30.77	3	Horizontal	138	2.79	-	60.34	27.15	3.63	-
AV	2.483502G	48.94	54.00	-5.06	30.91	3	Horizontal	138	2.79	-	18.03	27.25	3.66	-
PK	2.389998G	54.94	74.00	-19.06	30.57	3	Horizontal	138	2.79	-	24.37	26.99	3.58	-
PK	2.4468G	98.81	Inf	-Inf	30.78	3	Horizontal	138	2.79	-	68.03	27.15	3.63	-
PK	2.4852G	58.22	74.00	-15.78	30.92	3	Horizontal	138	2.79	-	27.30	27.26	3.66	-

802.11n HT40_Nss1,(MCS0)_2TX

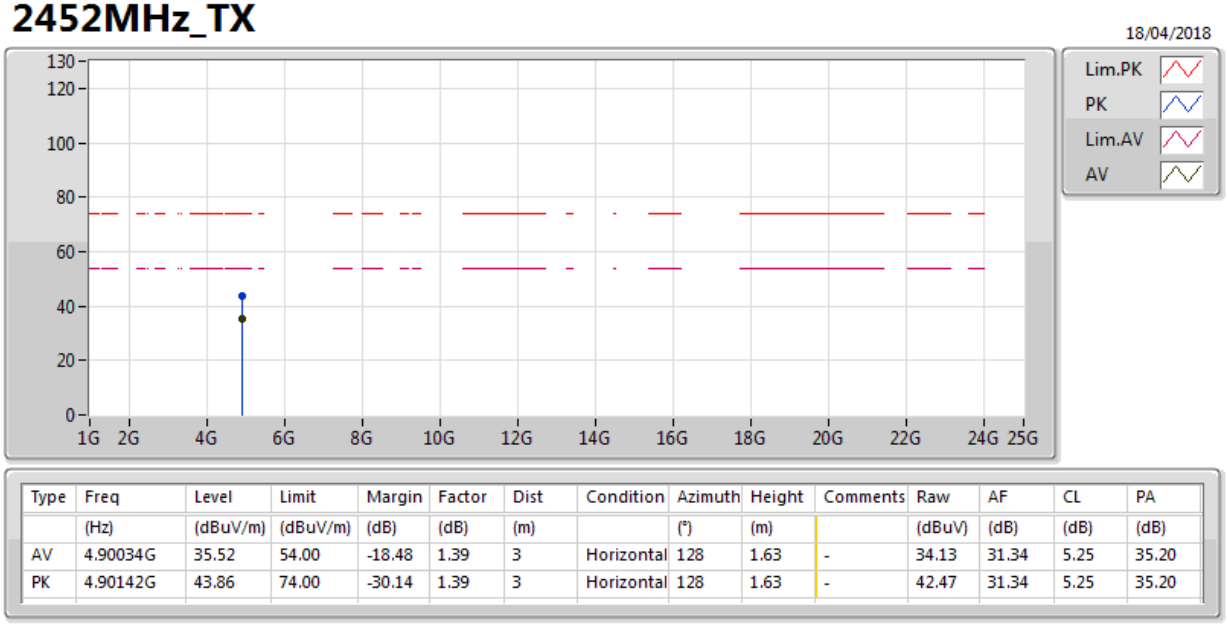
2452MHz_TX



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	4.90142G	45.41	54.00	-8.59	1.39	3	Vertical	208	2.51	-	44.02	31.34	5.25	35.20
PK	4.9013G	55.38	74.00	-18.62	1.39	3	Vertical	208	2.51	-	53.99	31.34	5.25	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	4.90034G	35.52	54.00	-18.48	1.39	3	Horizontal	128	1.63	-	34.13	31.34	5.25	35.20
PK	4.90142G	43.86	74.00	-30.14	1.39	3	Horizontal	128	1.63	-	42.47	31.34	5.25	35.20