FCC Test Report

FCC ID	:	**SSA-JW2212**
Equipment	:	**Industrial Dual 802.1 n 2.4G/5G 2T2R MIMO Wireless AP**
Brand Name	:	**Korenix**
Model Name	:	**JetWave 2212-EU, JetWave 2212S-EU, JetWave 2212X-EU**
Applicant / Manufacturer	:	**Korenix Technology Co., Ltd. 14F, No.213, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 23143, Taiwan (R.O.C.)**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on May 22, 2018, and testing was started from Aug. 28, 2018 and completed on Sep. 07, 2018. . We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR852105AC	02	Initial issue of report	Oct. 09, 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 Chen

Report Producer: Ann Hou

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	-	-	Dipole	Reverse SMA
2	-	-	Dipole	Reverse SMA

Ant.	Port	Gain (dBi)		
		2.4G	5G-U-NII-1	5G-U-NII-3
1	1	2	3	3
2	2	2	3	3

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From DC power supply			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.995	0.022	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.962	0.168	2.031m	1k
802.11n HT20	0.946	0.241	1.894m	1k
802.11n HT40	0.926	0.334	931.25u	3k

1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
Korenix	JetWave 2212-EU	Full I/O, Full function
	JetWave 2212S-EU	Remove 2 Switches
	JetWave 2212X-EU	Remove 2 Switches and serial port

Note : JetWave 2212S-EU configuration was pretested and found to be the worst case and measured during the test.

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 v05
- KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Dexter	27°C / 58%	30/Aug/2018
Radiated	03CH09-HY	Andy	23.7°C / 61%	07/Sep/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	24V

2.2 Test Channel Mode

Test Software Version	KorenixArt_v0.7.exe

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	22.5
2437MHz	22
2462MHz	22
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	18
2417MHz	18.5
2422MHz	20
2427MHz	21
2432MHz	22
2437MHz	22.5
2442MHz	21
2447MHz	20
2452MHz	19.5
2457MHz	18
2462MHz	17
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	17.5
2422MHz	18.5
2427MHz	21
2432MHz	21.5
2437MHz	21.5
2442MHz	21.5
2447MHz	20
2452MHz	19

Mode	PowerSetting
2457MHz	18
2462MHz	18
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	13
2427MHz	13.5
2432MHz	14.5
2437MHz	17.5
2442MHz	16
2447MHz	13.5
2452MHz	12

2.3 The Worst Case Measurement Configuration

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	DC power supply mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA852105 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

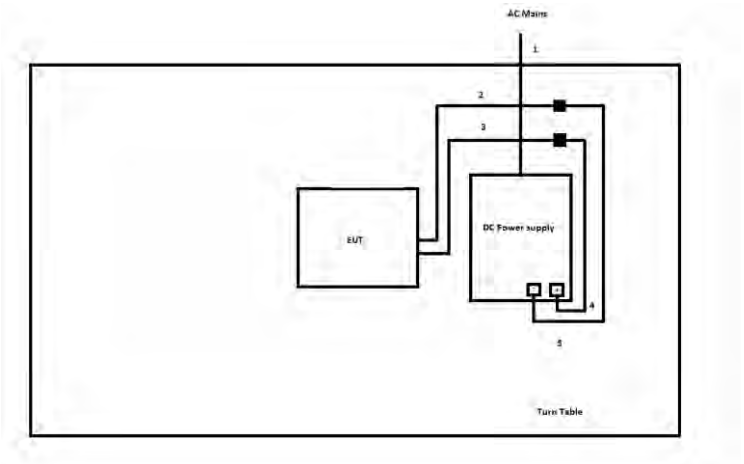
2.4 Support Equipment

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	DC Power Supply	GW	GPS-3030DD	-

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	DC Power Supply	GW	GPS-3030DD	-

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8m
2	DC Power line	No	0.5m
3	DC Power line	No	0.5m
4	DC Power line	No	1.0m
5	DC 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

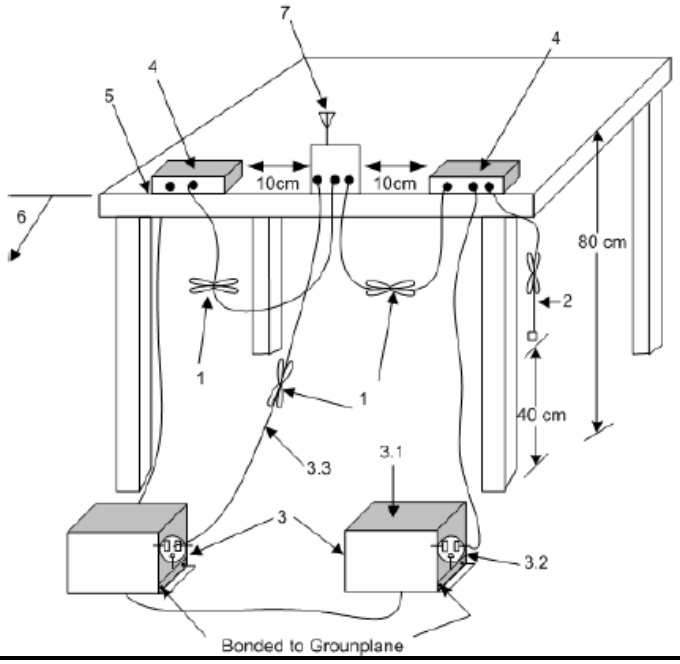
Refer a test equipment and calibration data table in this test report.

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

Please refer to FCC 15.207 which states, “Measurements to demonstrate compliance with the conducted limits are not required for devices employ DC power source for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines”.
Therefore, for this device, AC Power Line Conducted Emissions investigation is not required.

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

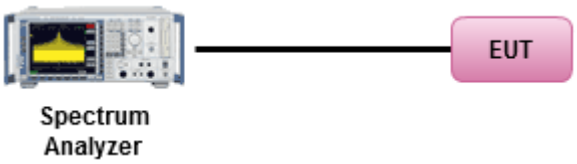
3.2.2 Measuring Instruments

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 8.2 (11.9.2.2 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

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 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☒ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a 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 B

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

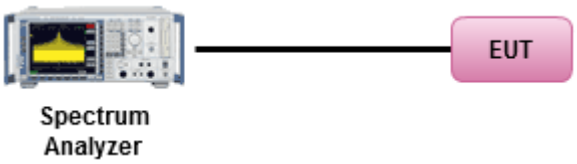
3.4.2 Measuring Instruments

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 8.4 (11.10 of ANSI C63.10) Method PKPSD.	
▪ 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 C

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.	

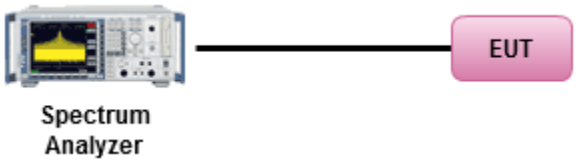
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency 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 D

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

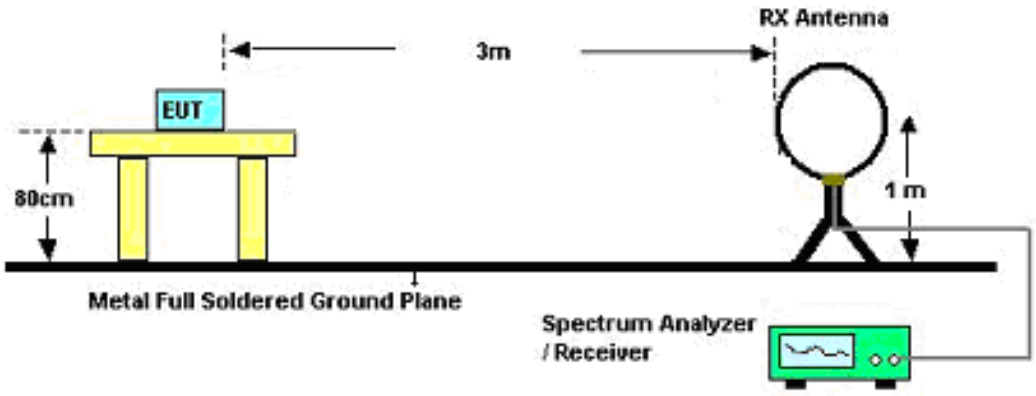
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

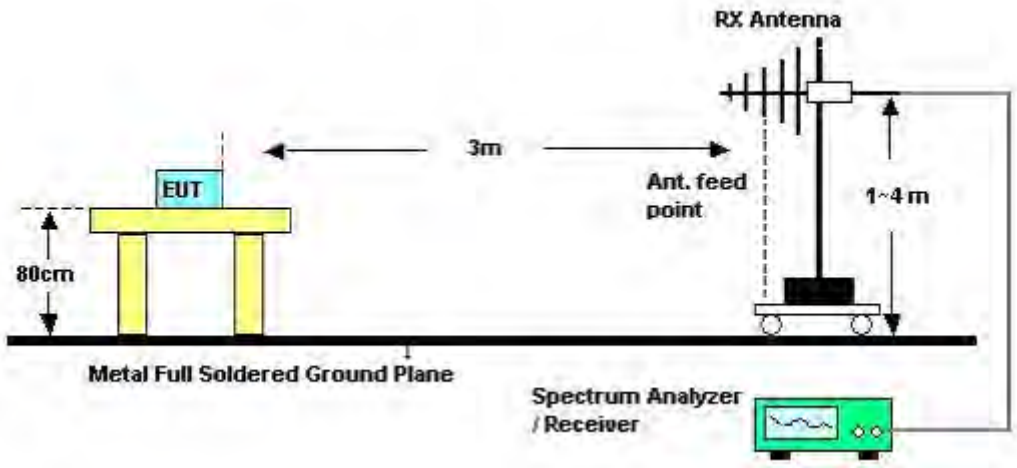
Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as KDB 558074 clause 8.7.1, 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 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).

3.6.4 Test Setup

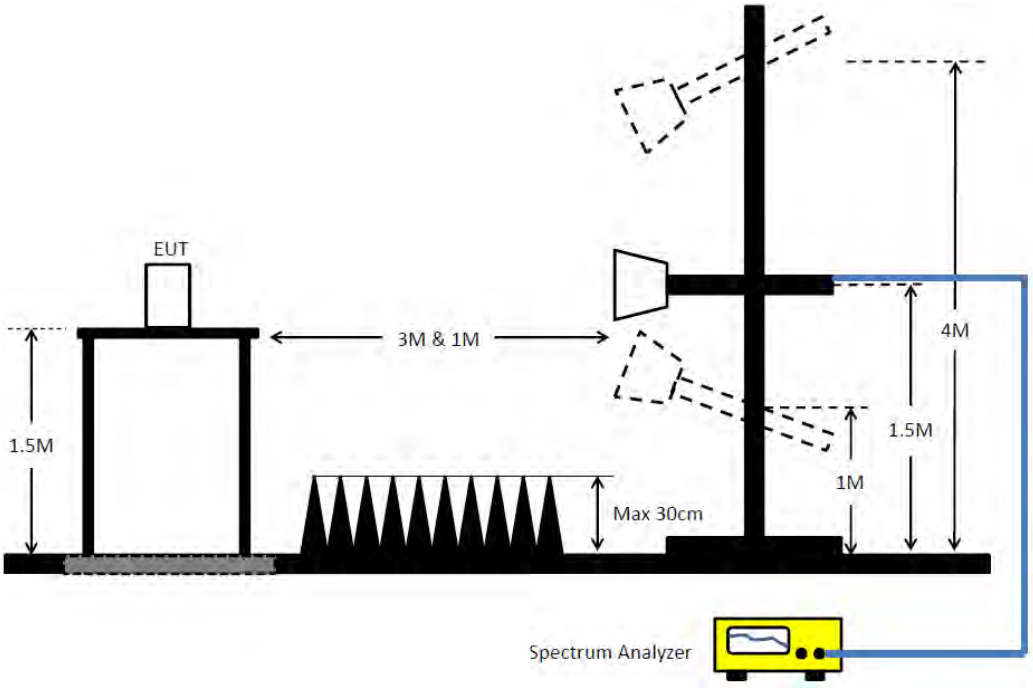
Emissions in Restricted Frequency Bands
9kHz ~30MHz



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 E

4 Test Equipment and Calibration Data

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	05/Feb/2018	04/Feb/2019
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2018	24/Aug/2019
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	MY37332/4	30MHz ~ 26.5GHz	25/Aug/2018	24/Aug/2019
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	MY37333/4	30MHz ~ 26.5GHz	25/Aug/2018	24/Aug/2019
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	26/Jul/2018	25/Jul/2019

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	09/Sep/2017	08/Sep/2018
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz ~ 1GHz	01/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019

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	7.5M	12.644M	12M6G1D	6.575M	12.269M
802.11g_Nss1,(6Mbps)_2TX	16.35M	17.241M	17M2D1D	15.625M	16.467M
802.11n HT20_Nss1,(MCS0)_2TX	17.525M	17.866M	17M9D1D	16.575M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	35.65M	36.182M	36M2D1D	34.2M	36.082M

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

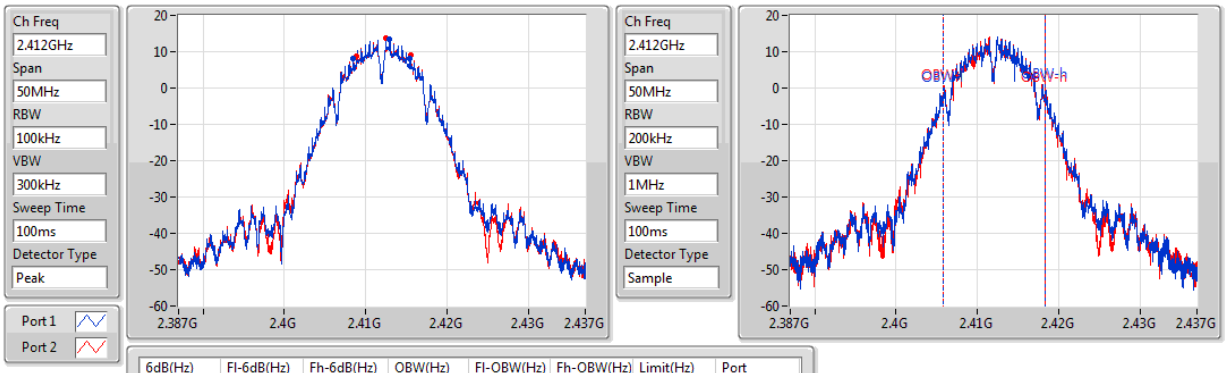
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	7.025M	12.644M	6.575M	12.569M
2437MHz_TnomVnom	Pass	500k	7.5M	12.469M	7M	12.594M
2462MHz_TnomVnom	Pass	500k	6.575M	12.269M	7.025M	12.494M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.025M	16.492M	16.325M	16.467M
2437MHz_TnomVnom	Pass	500k	15.625M	17.166M	16.275M	17.241M
2462MHz_TnomVnom	Pass	500k	16.35M	16.467M	16.3M	16.492M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.925M	17.641M	17.525M	17.641M
2437MHz_TnomVnom	Pass	500k	17.15M	17.816M	17.15M	17.866M
2462MHz_TnomVnom	Pass	500k	16.575M	17.641M	16.65M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	35.65M	36.182M	35.65M	36.182M
2437MHz_TnomVnom	Pass	500k	34.2M	36.082M	34.95M	36.132M
2452MHz_TnomVnom	Pass	500k	34.8M	36.182M	35.65M	36.132M

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

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

2412MHz

30/08/2018

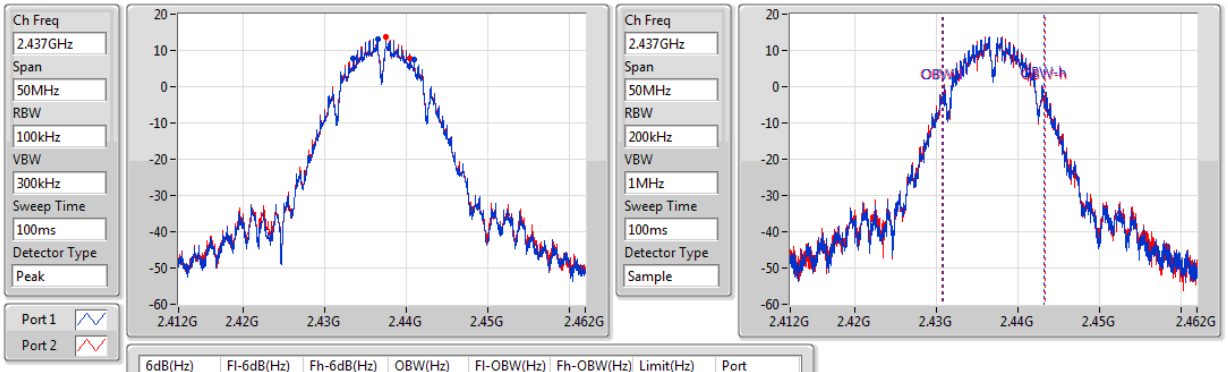


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.40845G	2.415475G	12.644M	2.405753G	2.418397G	500k	1
6.575M	2.408925G	2.4155G	12.569M	2.405753G	2.418322G	500k	2

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

2437MHz

30/08/2018

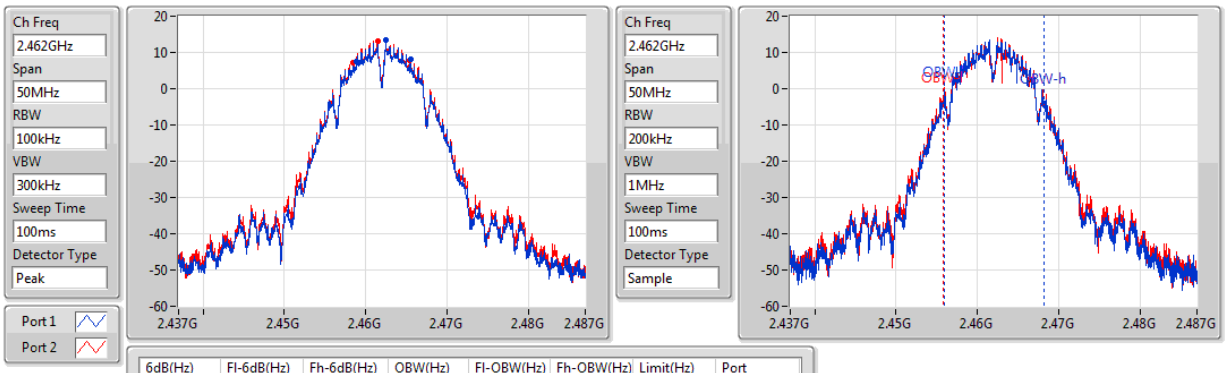


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.5M	2.43345G	2.44095G	12.469M	2.430753G	2.443222G	500k	1
7M	2.433475G	2.440475G	12.594M	2.430703G	2.443297G	500k	2

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

2462MHz

30/08/2018

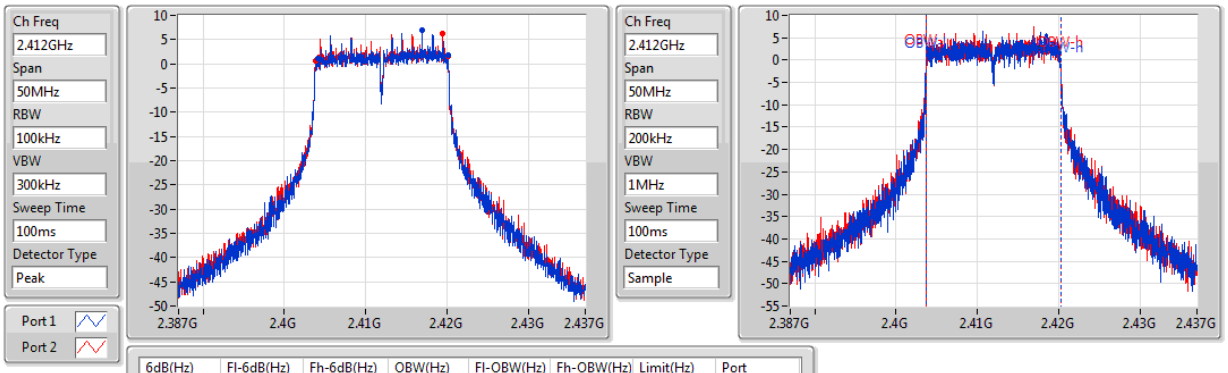


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.575M	2.458925G	2.4655G	12.269M	2.455903G	2.468172G	500k	1
7.025M	2.45845G	2.465475G	12.494M	2.455753G	2.468247G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

30/08/2018

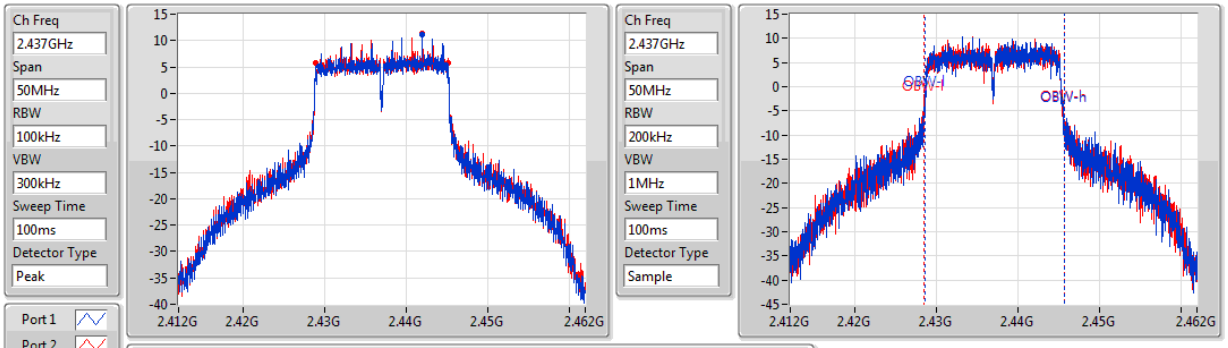


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.4041G	2.420125G	16.492M	2.403754G	2.420246G	500k	1
16.325M	2.403825G	2.42015G	16.467M	2.403754G	2.420221G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

30/08/2018

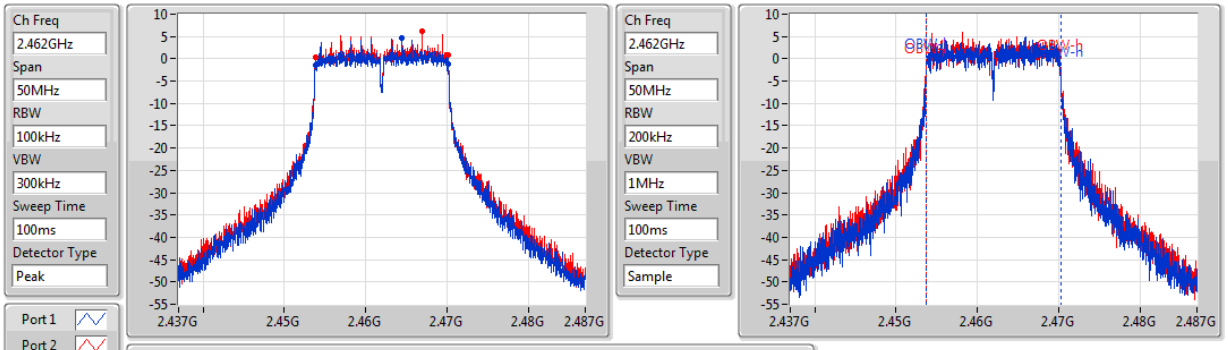


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.625M	2.42925G	2.444875G	17.166M	2.428554G	2.445721G	500k	1
16.275M	2.42885G	2.445125G	17.241M	2.428479G	2.445721G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

30/08/2018

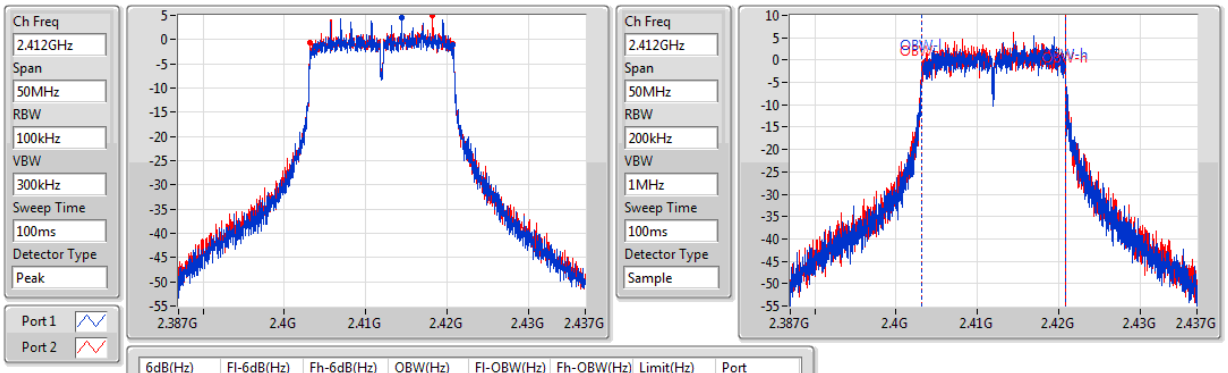


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4538G	2.47015G	16.467M	2.453754G	2.470221G	500k	1
16.3M	2.453825G	2.470125G	16.492M	2.453729G	2.470221G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

30/08/2018

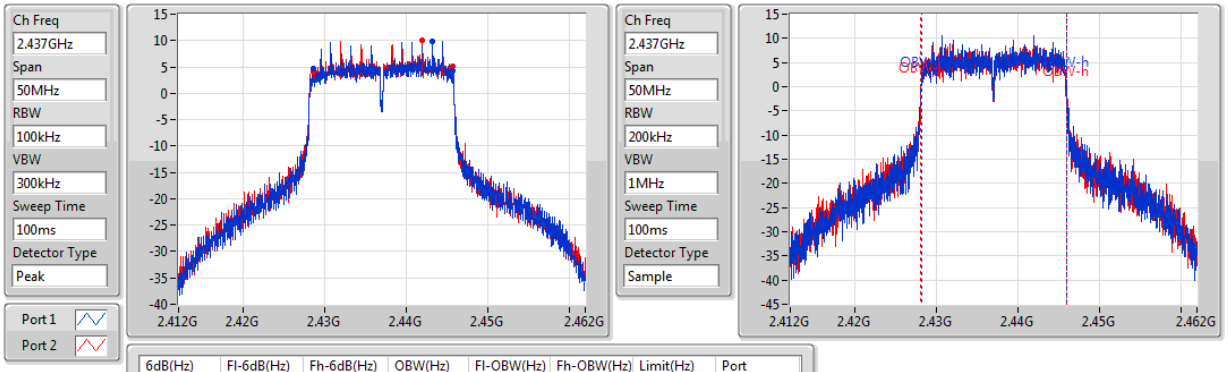


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.925M	2.403825G	2.42075G	17.641M	2.403179G	2.420821G	500k	1
17.525M	2.403225G	2.42075G	17.641M	2.403154G	2.420796G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

30/08/2018

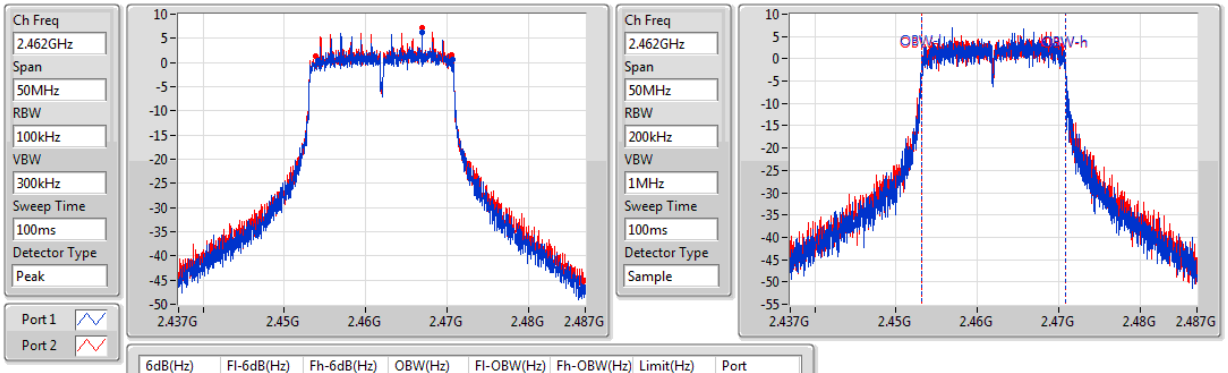


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.4286G	2.44575G	17.816M	2.428104G	2.445921G	500k	1
17.15M	2.4286G	2.44575G	17.866M	2.428079G	2.445946G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

30/08/2018

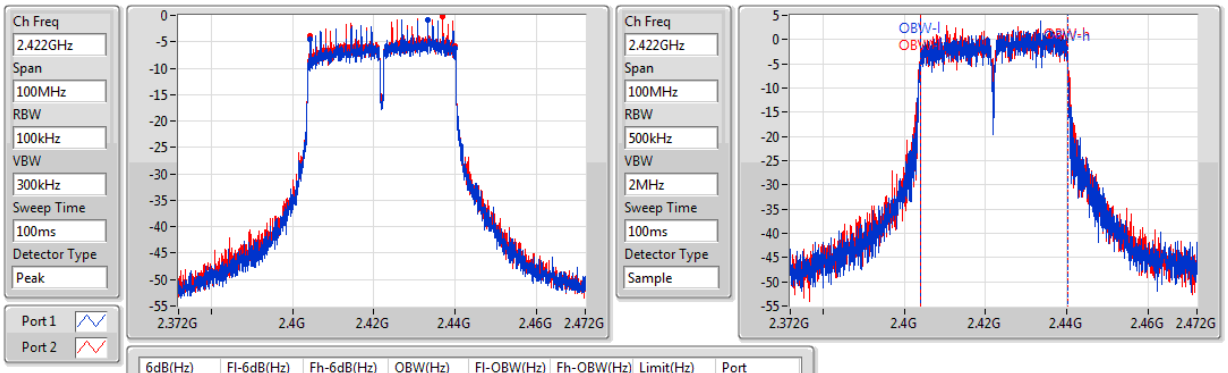


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.575M	2.454175G	2.47075G	17.641M	2.453179G	2.470821G	500k	1
16.65M	2.45385G	2.4705G	17.691M	2.453129G	2.470821G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2422MHz

30/08/2018

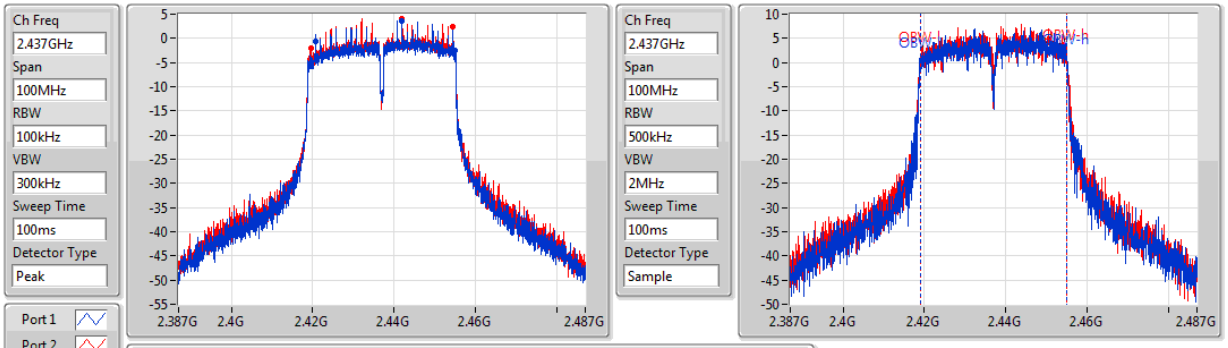


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	2.40445G	2.4401G	36.182M	2.403959G	2.440141G	500k	1
35.65M	2.40445G	2.4401G	36.182M	2.403959G	2.440141G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2437MHz

30/08/2018

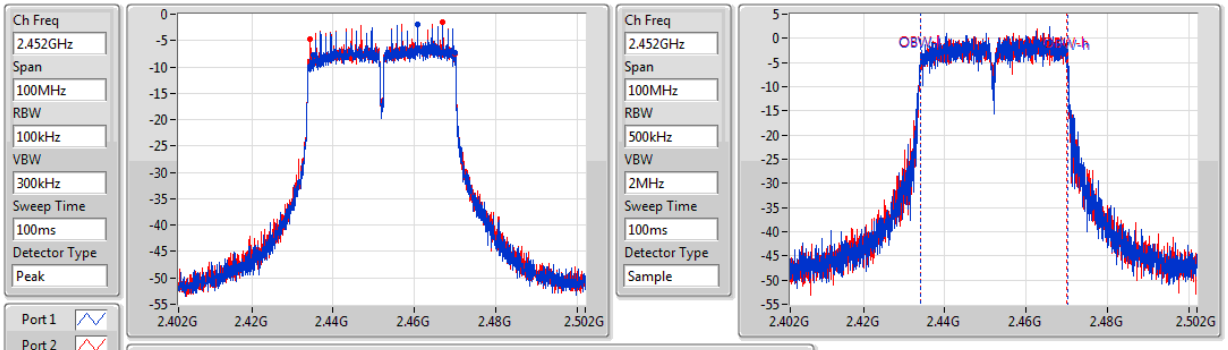


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.2M	2.42065G	2.45485G	36.082M	2.418959G	2.455041G	500k	1
34.95M	2.41955G	2.4545G	36.132M	2.418959G	2.455091G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz

30/08/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.8M	2.4351G	2.4699G	36.182M	2.433959G	2.470141G	500k	1
35.65M	2.43445G	2.4701G	36.132M	2.433959G	2.470091G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.06	0.32063
802.11g_Nss1,(6Mbps)_2TX	24.80	0.30200
802.11n HT20_Nss1,(MCS0)_2TX	24.11	0.25763
802.11n HT40_Nss1,(MCS0)_2TX	20.00	0.10000

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	2.00	22.01	22.09	25.06	30.00
2437MHz_TnomVnom	Pass	2.00	21.71	21.90	24.82	30.00
2462MHz_TnomVnom	Pass	2.00	21.32	21.75	24.55	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.00	17.85	17.98	20.93	30.00
2417MHz_TnomVnom	Pass	2.00	18.44	18.47	21.47	30.00
2422MHz_TnomVnom	Pass	2.00	19.79	19.94	22.88	30.00
2427MHz_TnomVnom	Pass	2.00	20.57	20.81	23.70	30.00
2432MHz_TnomVnom	Pass	2.00	21.49	21.59	24.55	30.00
2437MHz_TnomVnom	Pass	2.00	21.75	21.82	24.80	30.00
2442MHz_TnomVnom	Pass	2.00	20.70	20.81	23.77	30.00
2447MHz_TnomVnom	Pass	2.00	19.77	19.89	22.84	30.00
2452MHz_TnomVnom	Pass	2.00	19.29	19.25	22.28	30.00
2457MHz_TnomVnom	Pass	2.00	17.57	18.09	20.85	30.00
2462MHz_TnomVnom	Pass	2.00	16.65	17.08	19.88	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.00	15.94	16.21	19.09	30.00
2417MHz_TnomVnom	Pass	2.00	17.51	17.51	20.52	30.00
2422MHz_TnomVnom	Pass	2.00	18.30	18.43	21.38	30.00
2427MHz_TnomVnom	Pass	2.00	20.69	20.78	23.75	30.00
2432MHz_TnomVnom	Pass	2.00	20.96	21.13	24.06	30.00
2437MHz_TnomVnom	Pass	2.00	20.97	20.92	23.96	30.00
2442MHz_TnomVnom	Pass	2.00	21.04	21.15	24.11	30.00
2447MHz_TnomVnom	Pass	2.00	19.68	19.83	22.77	30.00
2452MHz_TnomVnom	Pass	2.00	18.80	18.97	21.90	30.00
2457MHz_TnomVnom	Pass	2.00	17.65	18.03	20.85	30.00
2462MHz_TnomVnom	Pass	2.00	17.36	17.84	20.62	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.00	12.40	12.74	15.58	30.00
2427MHz_TnomVnom	Pass	2.00	13.18	13.19	16.20	30.00
2432MHz_TnomVnom	Pass	2.00	14.08	14.37	17.24	30.00
2437MHz_TnomVnom	Pass	2.00	16.78	17.19	20.00	30.00
2442MHz_TnomVnom	Pass	2.00	15.50	15.54	18.53	30.00
2447MHz_TnomVnom	Pass	2.00	13.10	13.35	16.24	30.00
2452MHz_TnomVnom	Pass	2.00	11.39	11.67	14.54	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	27.68	0.58614
802.11g_Nss1,(6Mbps)_2TX	28.94	0.78343
802.11n HT20_Nss1,(MCS0)_2TX	28.73	0.74645
802.11n HT40_Nss1,(MCS0)_2TX	26.16	0.41305

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	2.00	24.61	24.73	27.68	30.00
2437MHz_TnomVnom	Pass	2.00	24.48	24.57	27.54	30.00
2462MHz_TnomVnom	Pass	2.00	24.06	24.33	27.21	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.00	23.63	23.79	26.72	30.00
2417MHz_TnomVnom	Pass	2.00	24.10	24.26	27.19	30.00
2422MHz_TnomVnom	Pass	2.00	24.91	25.12	28.03	30.00
2427MHz_TnomVnom	Pass	2.00	25.49	25.54	28.53	30.00
2432MHz_TnomVnom	Pass	2.00	25.80	25.88	28.85	30.00
2437MHz_TnomVnom	Pass	2.00	25.89	25.97	28.94	30.00
2442MHz_TnomVnom	Pass	2.00	25.42	25.55	28.50	30.00
2447MHz_TnomVnom	Pass	2.00	25.00	25.07	28.05	30.00
2452MHz_TnomVnom	Pass	2.00	24.62	24.70	27.67	30.00
2457MHz_TnomVnom	Pass	2.00	23.56	23.76	26.67	30.00
2462MHz_TnomVnom	Pass	2.00	22.66	22.97	25.83	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.00	22.06	22.33	25.21	30.00
2417MHz_TnomVnom	Pass	2.00	23.41	23.54	26.49	30.00
2422MHz_TnomVnom	Pass	2.00	24.07	24.25	27.17	30.00
2427MHz_TnomVnom	Pass	2.00	25.50	25.54	28.53	30.00
2432MHz_TnomVnom	Pass	2.00	25.66	25.78	28.73	30.00
2437MHz_TnomVnom	Pass	2.00	25.59	25.68	28.65	30.00
2442MHz_TnomVnom	Pass	2.00	25.61	25.70	28.67	30.00
2447MHz_TnomVnom	Pass	2.00	24.93	25.03	27.99	30.00
2452MHz_TnomVnom	Pass	2.00	24.27	24.40	27.35	30.00
2457MHz_TnomVnom	Pass	2.00	23.62	23.77	26.71	30.00
2462MHz_TnomVnom	Pass	2.00	23.49	23.74	26.63	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.00	18.90	19.26	22.09	30.00
2427MHz_TnomVnom	Pass	2.00	19.67	19.78	22.74	30.00
2432MHz_TnomVnom	Pass	2.00	20.59	20.81	23.71	30.00
2437MHz_TnomVnom	Pass	2.00	23.01	23.28	26.16	30.00
2442MHz_TnomVnom	Pass	2.00	21.98	22.14	25.07	30.00
2447MHz_TnomVnom	Pass	2.00	19.47	19.72	22.61	30.00
2452MHz_TnomVnom	Pass	2.00	18.01	18.19	21.11	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.54
802.11g_Nss1,(6Mbps)_2TX	-1.55
802.11n HT20_Nss1,(MCS0)_2TX	-3.44
802.11n HT40_Nss1,(MCS0)_2TX	-8.57

RBW=3kHz.

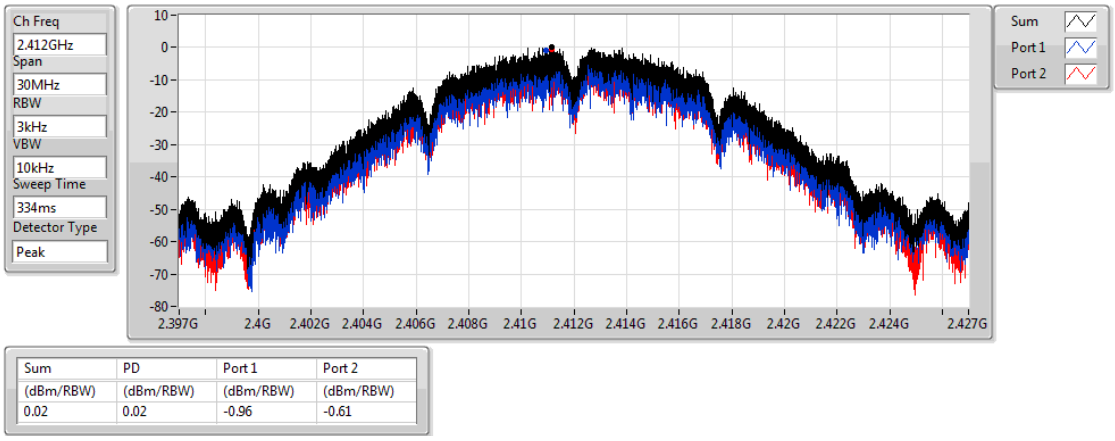
Result

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	5.01	-0.96	-0.61	0.02	8.00
2437MHz_TnomVnom	Pass	5.01	-1.30	-1.39	0.54	8.00
2462MHz_TnomVnom	Pass	5.01	-1.19	-0.76	0.24	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.01	-7.74	-6.68	-5.72	8.00
2437MHz_TnomVnom	Pass	5.01	-2.81	-4.00	-1.55	8.00
2462MHz_TnomVnom	Pass	5.01	-9.48	-8.65	-7.44	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.01	-10.29	-9.60	-8.36	8.00
2437MHz_TnomVnom	Pass	5.01	-4.96	-5.22	-3.44	8.00
2462MHz_TnomVnom	Pass	5.01	-8.56	-8.38	-7.31	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	5.01	-15.06	-8.80	-8.57	8.00
2437MHz_TnomVnom	Pass	5.01	-11.14	-11.40	-9.50	8.00
2452MHz_TnomVnom	Pass	5.01	-16.99	-16.22	-15.26	8.00

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

802.11b_Nss1,(1Mbps)_2TX PSD

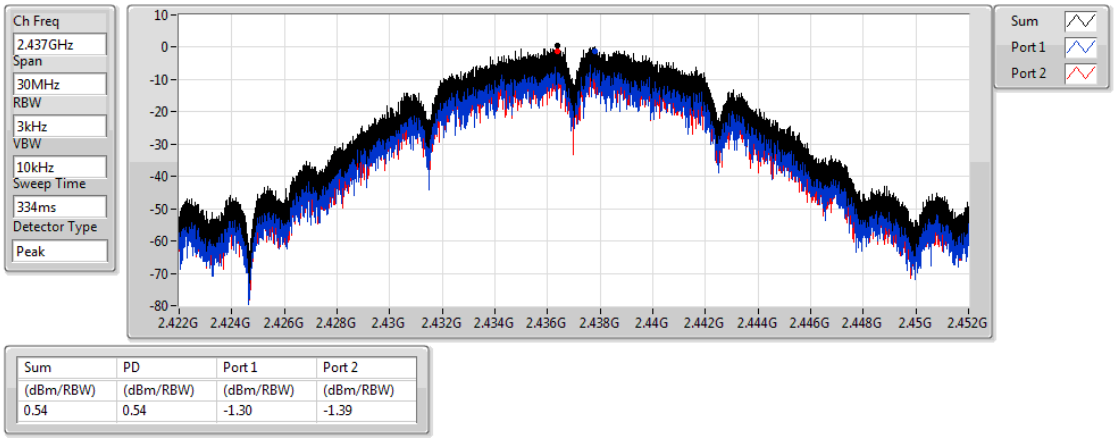
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.02	0.02	-0.96	-0.61

802.11b_Nss1,(1Mbps)_2TX PSD

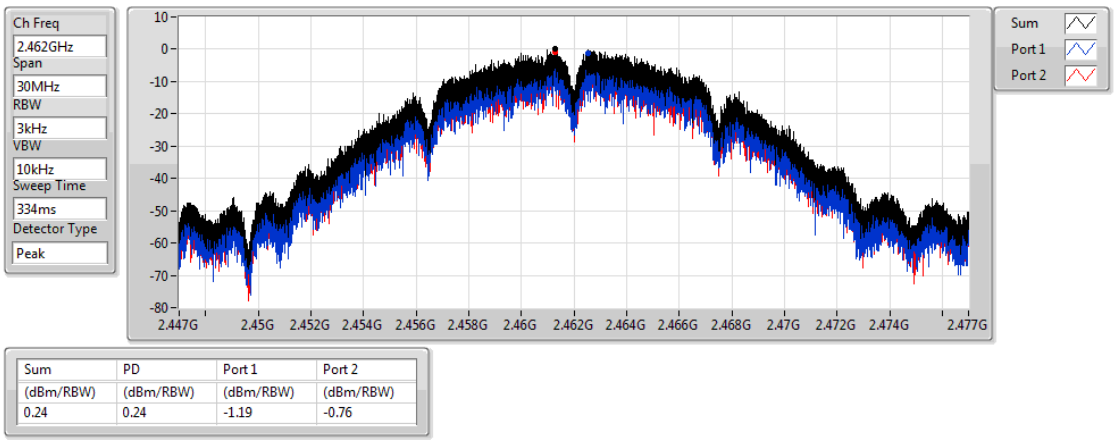
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.54	0.54	-1.30	-1.39

802.11b_Nss1,(1Mbps)_2TX PSD

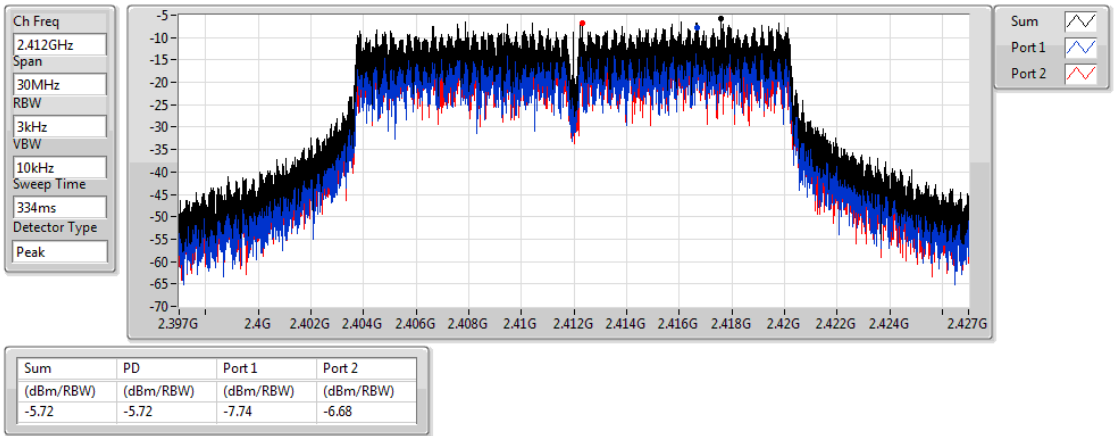
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.24	0.24	-1.19	-0.76

802.11g_Nss1,(6Mbps)_2TX PSD

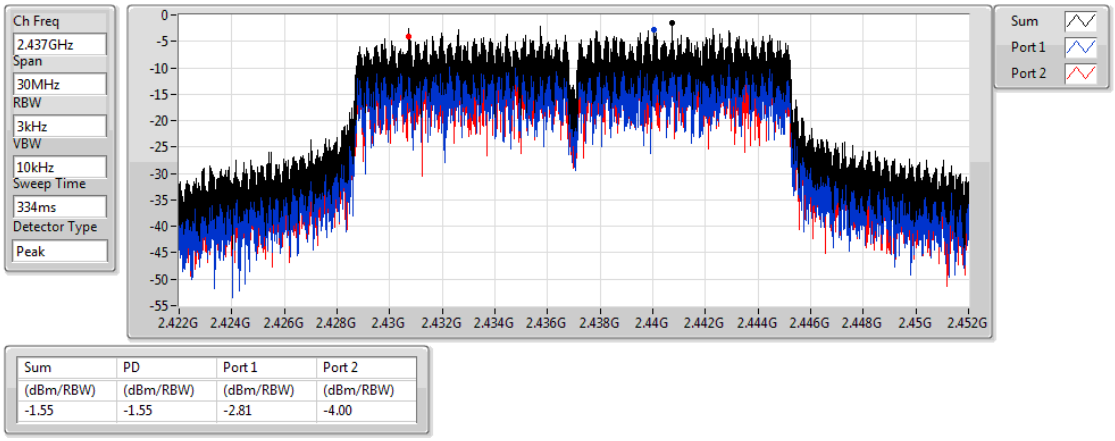
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-7.74	-6.68

802.11g_Nss1,(6Mbps)_2TX PSD

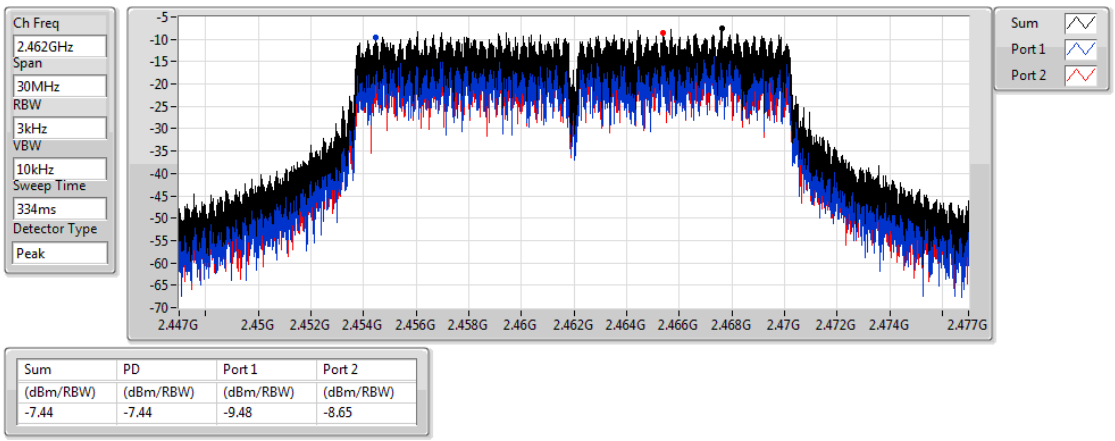
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.55	-1.55	-2.81	-4.00

802.11g_Nss1,(6Mbps)_2TX PSD

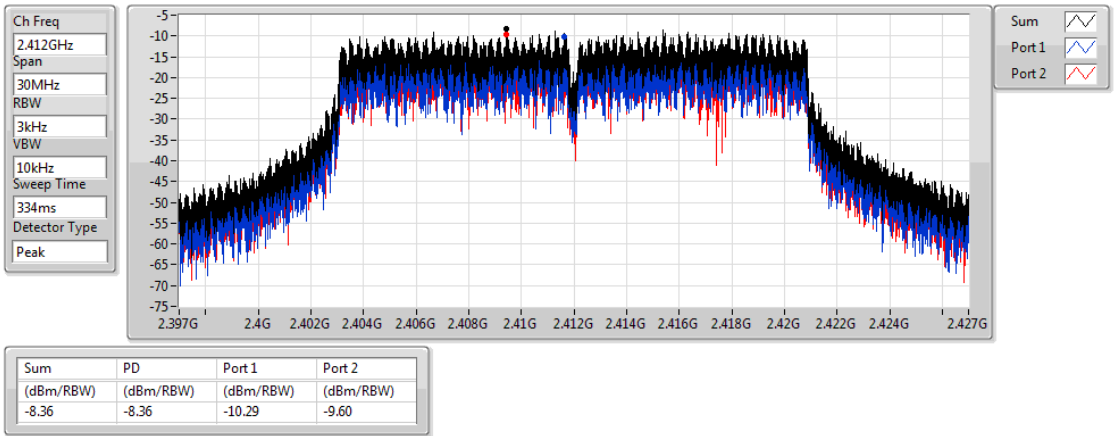
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.44	-7.44	-9.48	-8.65

802.11n HT20_Nss1,(MCS0)_2TX PSD

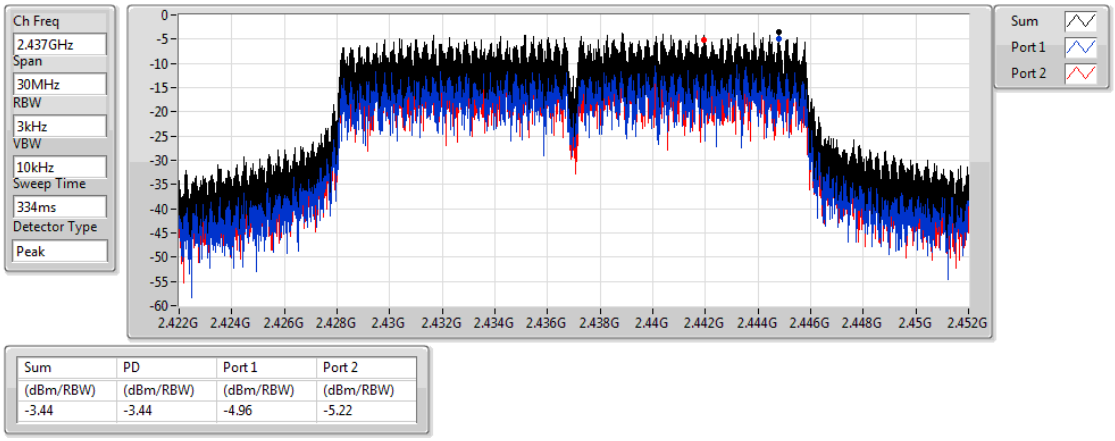
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.36	-8.36	-10.29	-9.60

802.11n HT20_Nss1,(MCS0)_2TX PSD

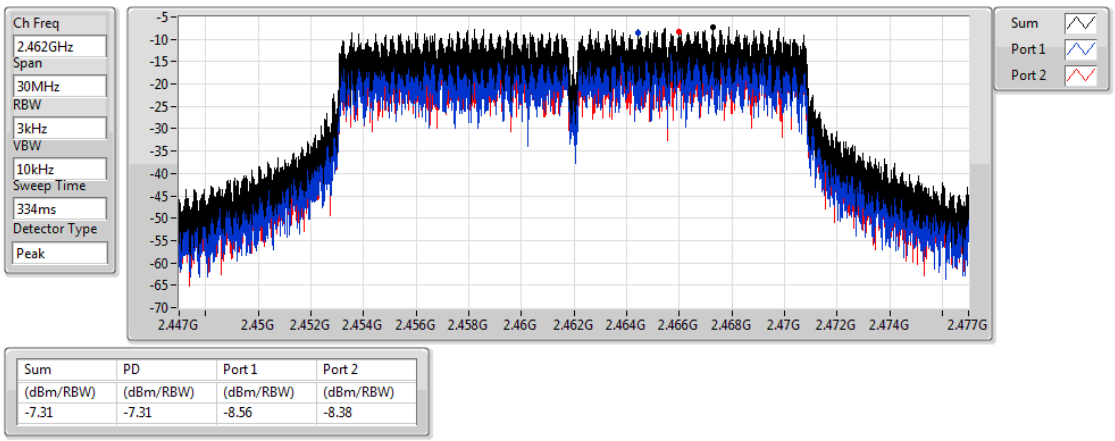
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.44	-3.44	-4.96	-5.22

802.11n HT20_Nss1,(MCS0)_2TX PSD

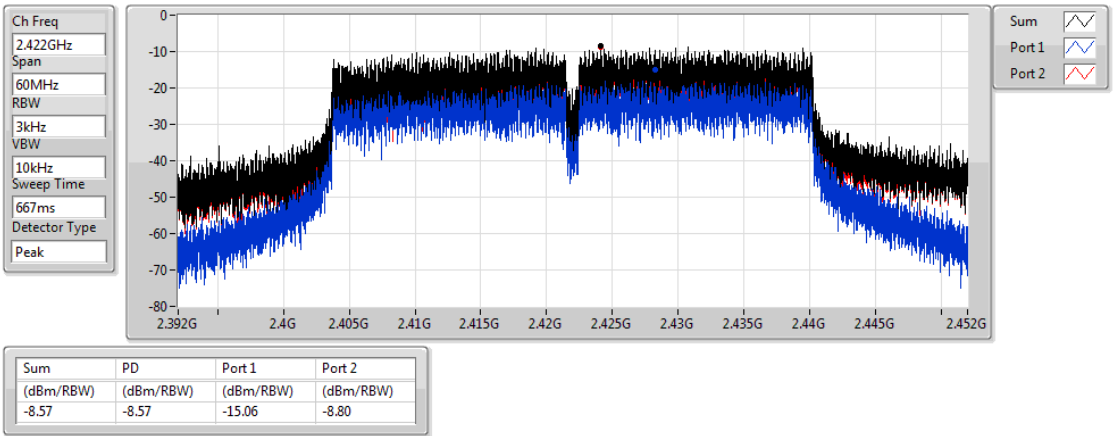
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.31	-7.31	-8.56	-8.38

802.11n HT40_Nss1,(MCS0)_2TX PSD

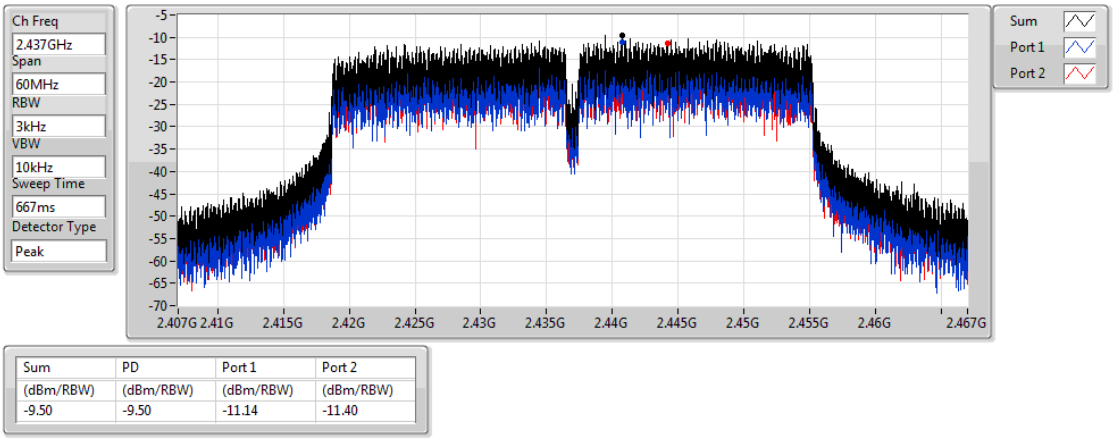
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.57	-8.57	-15.06	-8.80

802.11n HT40_Nss1,(MCS0)_2TX PSD

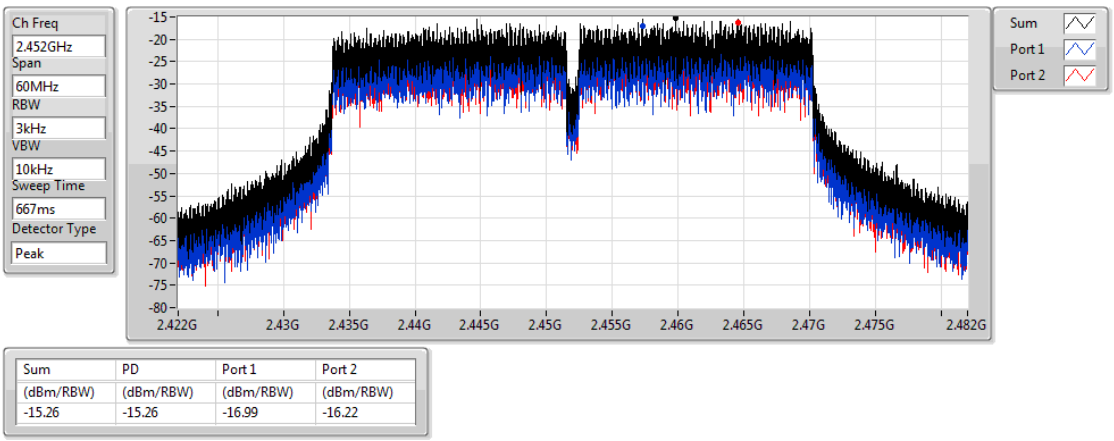
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.50	-9.50	-11.14	-11.40

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.26	-15.26	-16.99	-16.22

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	2.410855G	12.21	-7.79	2.198065G	-59.30	2.396G	-32.83	2.49694G	-51.58	7.237946G	-51.37	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.417034G	5.38	-14.62	2.307575G	-59.44	2.39976G	-26.91	2.5143G	-51.95	21.434665G	-51.23	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.413193G	4.56	-15.44	2.184085G	-60.01	2.39952G	-28.22	2.48654G	-54.79	17.377657G	-50.89	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.426887G	6.11	-13.89	2.30855G	-58.62	2.39904G	-21.04	2.48446G	-45.45	24.481156G	-51.57	2

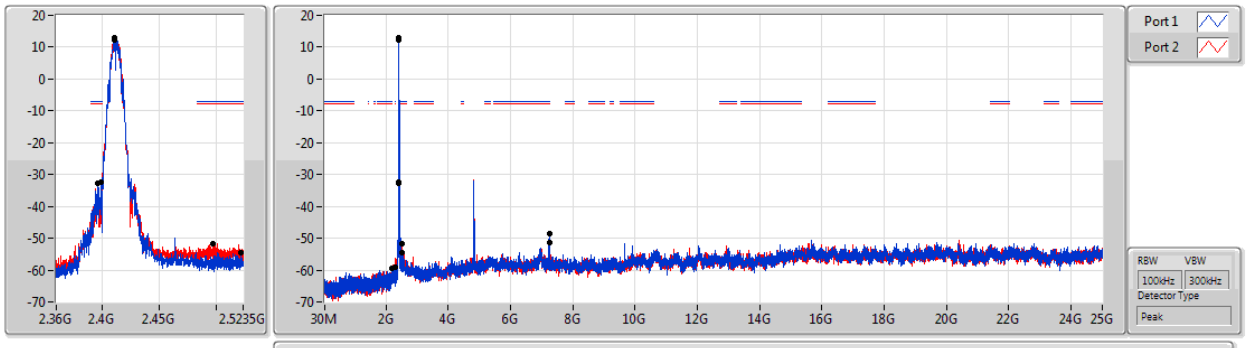
Result

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	2.411356G	12.97	-7.03	2.309905G	-59.16	2.39904G	-32.38	2.52182G	-54.48	7.235136G	-48.54	1
2412MHz_TnomVnom	Pass	2.410855G	12.21	-7.79	2.198065G	-59.30	2.396G	-32.83	2.49694G	-51.58	7.237946G	-51.37	2
2437MHz_TnomVnom	Pass	2.437909G	12.86	-7.14	2.188745G	-59.08	2.39776G	-56.52	2.50558G	-55.07	15.183389G	-51.28	1
2437MHz_TnomVnom	Pass	2.437408G	13.89	-6.11	2.30641G	-59.37	2.39848G	-56.58	2.51566G	-53.50	21.561096G	-52.12	2
2462MHz_TnomVnom	Pass	2.460955G	12.40	-7.60	2.30408G	-59.57	2.39472G	-58.28	2.48446G	-50.64	15.231151G	-51.45	1
2462MHz_TnomVnom	Pass	2.461456G	13.47	-6.53	2.18991G	-60.54	2.39328G	-57.54	2.48446G	-48.20	21.445903G	-51.64	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.417034G	5.38	-14.62	2.307575G	-59.44	2.39976G	-26.91	2.5143G	-51.95	21.434665G	-51.23	1
2412MHz_TnomVnom	Pass	2.406847G	6.73	-13.27	2.309905G	-59.84	2.39992G	-26.77	2.49822G	-51.10	16.444882G	-51.76	2
2437MHz_TnomVnom	Pass	2.443253G	10.56	-9.44	2.30641G	-59.41	2.39768G	-40.94	2.4851G	-48.25	21.417808G	-51.79	1
2437MHz_TnomVnom	Pass	2.430728G	10.79	-9.21	2.30641G	-58.85	2.39976G	-40.02	2.48358G	-47.58	17.352371G	-51.95	2
2462MHz_TnomVnom	Pass	2.455778G	5.08	-14.92	2.30175G	-60.06	2.3976G	-58.27	2.48382G	-44.99	14.66081G	-50.90	1
2462MHz_TnomVnom	Pass	2.460788G	5.46	-14.54	2.172435G	-59.57	2.39352G	-58.52	2.48382G	-43.32	21.451523G	-51.76	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.419372G	4.82	-15.18	1.820605G	-60.42	2.39976G	-29.75	2.48622G	-55.19	24.848284G	-50.89	1
2412MHz_TnomVnom	Pass	2.413193G	4.56	-15.44	2.184085G	-60.01	2.39952G	-28.22	2.48654G	-54.79	17.377657G	-50.89	2
2437MHz_TnomVnom	Pass	2.440414G	6.75	-13.25	2.007005G	-59.94	2.39864G	-41.23	2.48382G	-47.63	21.448713G	-50.95	1
2437MHz_TnomVnom	Pass	2.431897G	8.80	-11.20	2.30641G	-59.39	2.39856G	-41.74	2.48478G	-47.28	24.80614G	-51.92	2
2462MHz_TnomVnom	Pass	2.459452G	5.72	-14.28	2.135155G	-60.24	2.39272G	-58.32	2.48406G	-42.36	16.737077G	-51.78	1
2462MHz_TnomVnom	Pass	2.464462G	6.52	-13.48	1.92196G	-59.72	2.39928G	-56.85	2.48382G	-39.27	24.457754G	-51.44	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.425718G	6.41	-13.59	2.30855G	-58.93	2.39856G	-20.93	2.48558G	-46.25	16.687277G	-51.64	1
2422MHz_TnomVnom	Pass	2.426887G	6.11	-13.89	2.30855G	-58.62	2.39904G	-21.04	2.48446G	-45.45	24.481156G	-51.57	2
2437MHz_TnomVnom	Pass	2.441917G	3.47	-16.53	2.300535G	-60.25	2.39824G	-39.09	2.48366G	-46.11	16.350729G	-51.61	1
2437MHz_TnomVnom	Pass	2.445758G	3.29	-16.71	2.18947G	-59.33	2.39952G	-34.86	2.48414G	-45.59	15.170008G	-51.84	2
2452MHz_TnomVnom	Pass	2.449432G	-2.78	-22.78	1.993675G	-59.38	2.39984G	-57.07	2.48494G	-44.64	15.279386G	-50.55	1
2452MHz_TnomVnom	Pass	2.466967G	-1.55	-21.55	2.300535G	-59.10	2.39776G	-57.58	2.4851G	-46.02	17.001388G	-51.43	2

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

2412MHz

30/08/2018

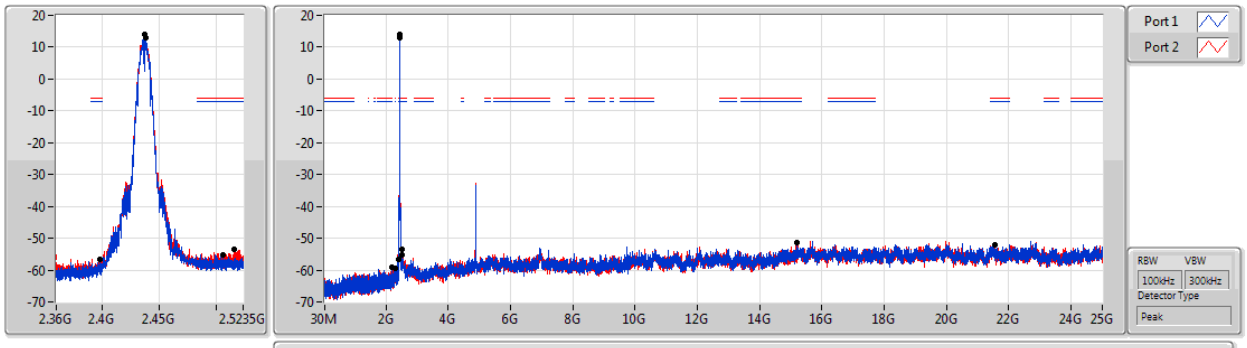


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.411356G	12.97	-7.03	2.309905G	-59.16	2.39904G	-32.38	2.52182G	-54.48	7.235136G	-48.54	1
2.410855G	12.21	-7.79	2.198065G	-59.30	2.396G	-32.83	2.49694G	-51.58	7.237946G	-51.37	2

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

2437MHz

30/08/2018

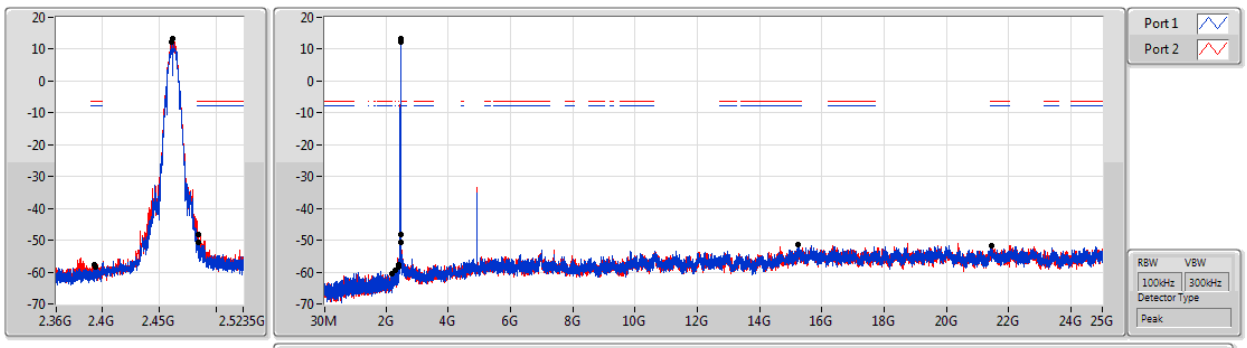


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437909G	12.86	-7.14	2.188745G	-59.08	2.39776G	-56.52	2.50558G	-55.07	15.183389G	-51.28	1
2.437408G	13.89	-6.11	2.30641G	-59.37	2.39848G	-56.58	2.51566G	-53.50	21.561096G	-52.12	2

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

2462MHz

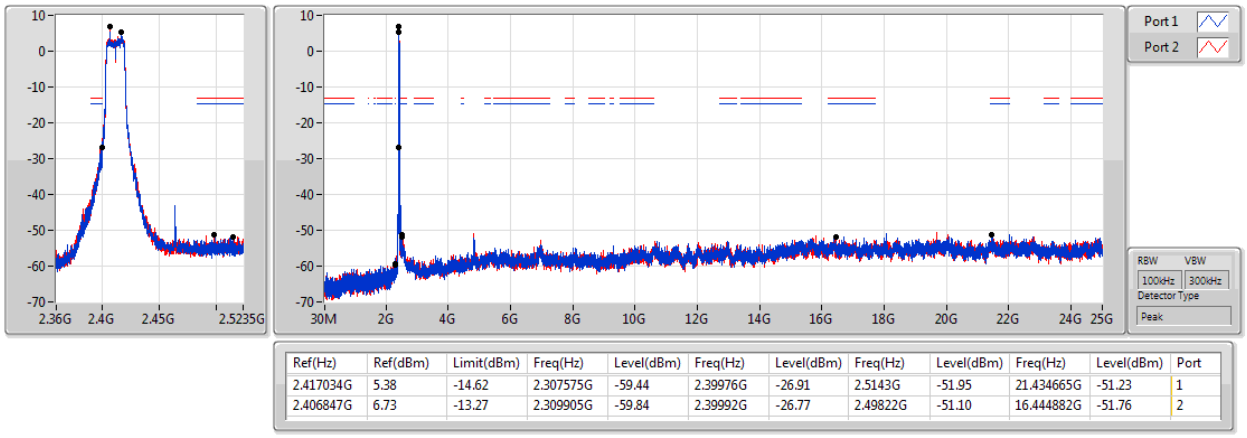
30/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.460955G	12.40	-7.60	2.30408G	-59.57	2.39472G	-58.28	2.48446G	-50.64	15.231151G	-51.45	1
2.461456G	13.47	-6.53	2.18991G	-60.54	2.39328G	-57.54	2.48446G	-48.20	21.445903G	-51.64	2

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

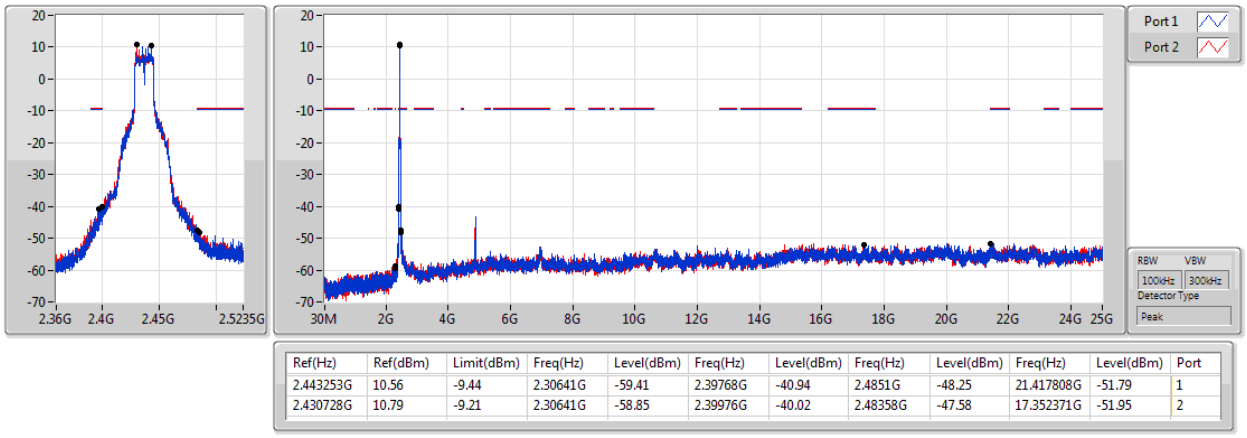
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.417034G	5.38	-14.62	2.307575G	-59.44	2.39976G	-26.91	2.5143G	-51.95	21.434665G	-51.23	1
2.406847G	6.73	-13.27	2.309905G	-59.84	2.39992G	-26.77	2.49822G	-51.10	16.444882G	-51.76	2

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

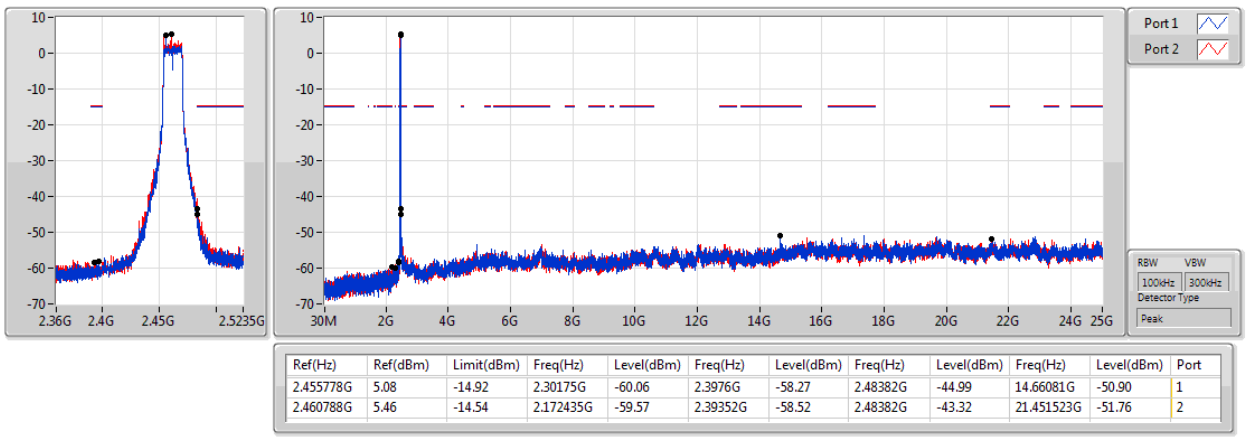
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.443253G	10.56	-9.44	2.30641G	-59.41	2.39768G	-40.94	2.4851G	-48.25	21.417808G	-51.79	1
2.430728G	10.79	-9.21	2.30641G	-58.85	2.39976G	-40.02	2.48358G	-47.58	17.352371G	-51.95	2

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

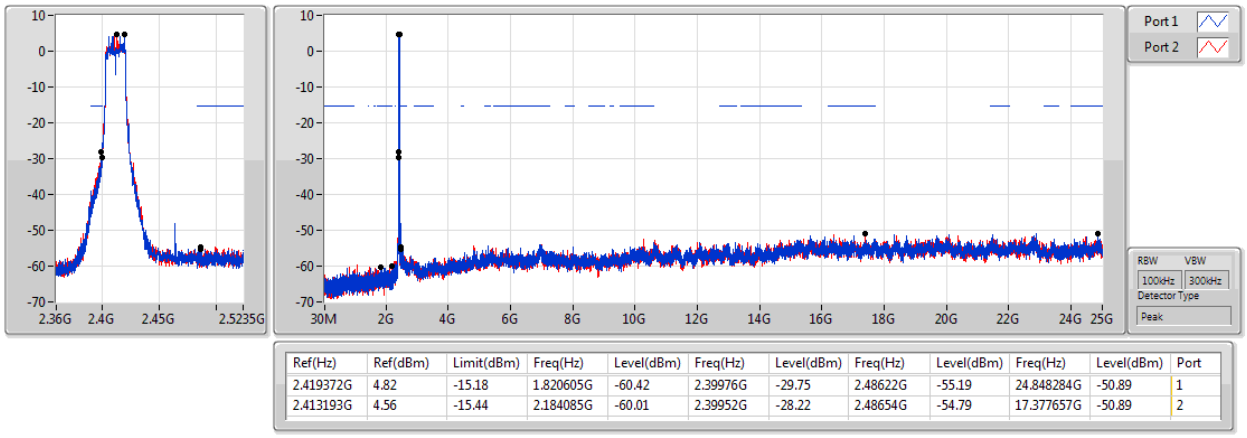
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.455778G	5.08	-14.92	2.30175G	-60.06	2.3976G	-58.27	2.48382G	-44.99	14.66081G	-50.90	1
2.460788G	5.46	-14.54	2.172435G	-59.57	2.39352G	-58.52	2.48382G	-43.32	21.451523G	-51.76	2

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

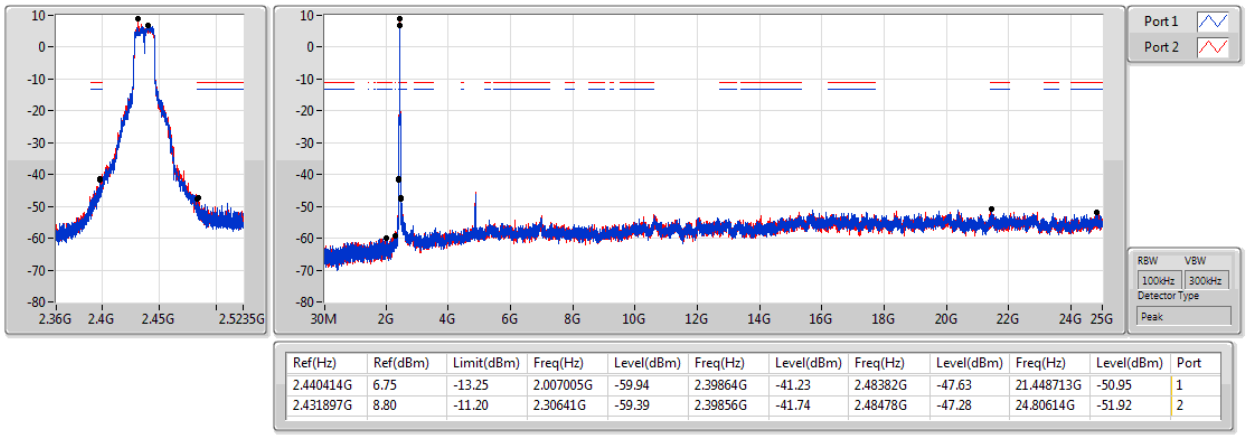
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.419372G	4.82	-15.18	1.820605G	-60.42	2.39976G	-29.75	2.48622G	-55.19	24.848284G	-50.89	1
2.413193G	4.56	-15.44	2.184085G	-60.01	2.39952G	-28.22	2.48654G	-54.79	17.377657G	-50.89	2

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

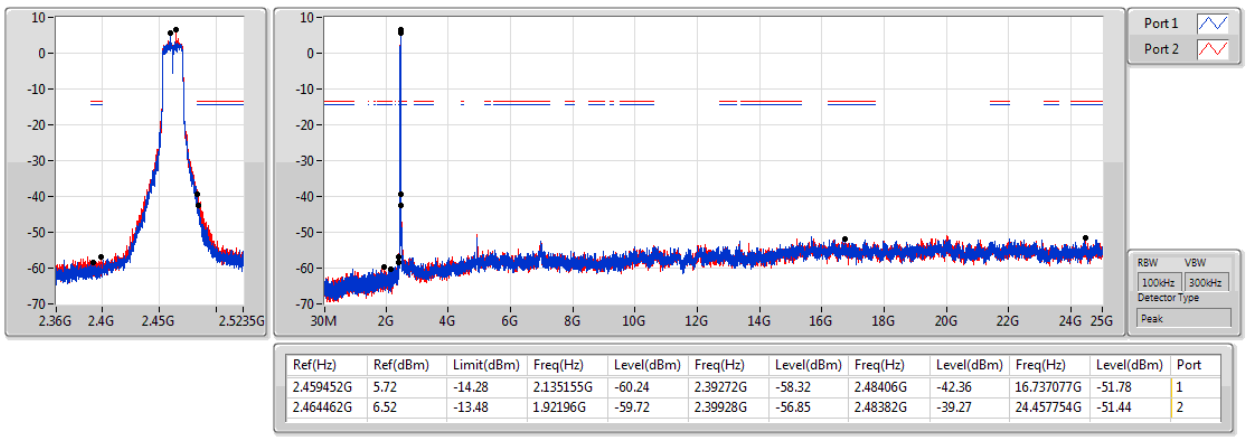
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440414G	6.75	-13.25	2.007005G	-59.94	2.39864G	-41.23	2.48382G	-47.63	21.448713G	-50.95	1
2.431897G	8.80	-11.20	2.30641G	-59.39	2.39856G	-41.74	2.48478G	-47.28	24.80614G	-51.92	2

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

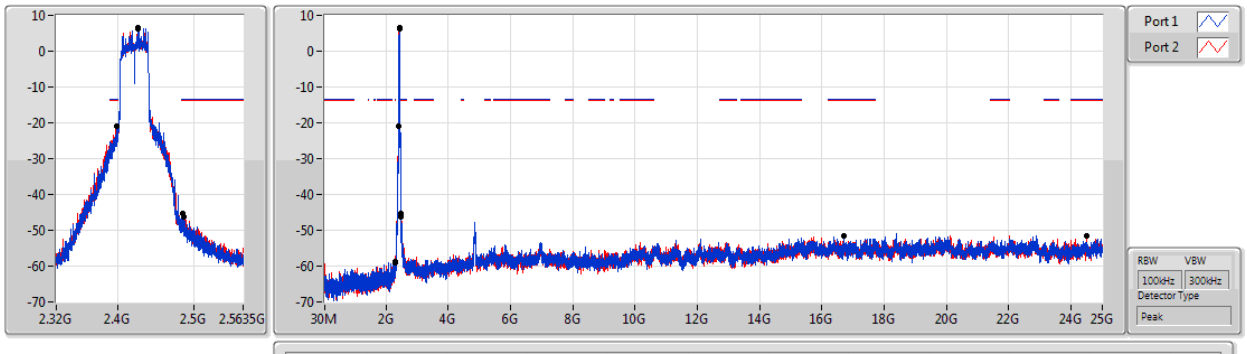
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.459452G	5.72	-14.28	2.135155G	-60.24	2.39272G	-58.32	2.48406G	-42.36	16.737077G	-51.78	1
2.464462G	6.52	-13.48	1.92196G	-59.72	2.39928G	-56.85	2.48382G	-39.27	24.457754G	-51.44	2

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

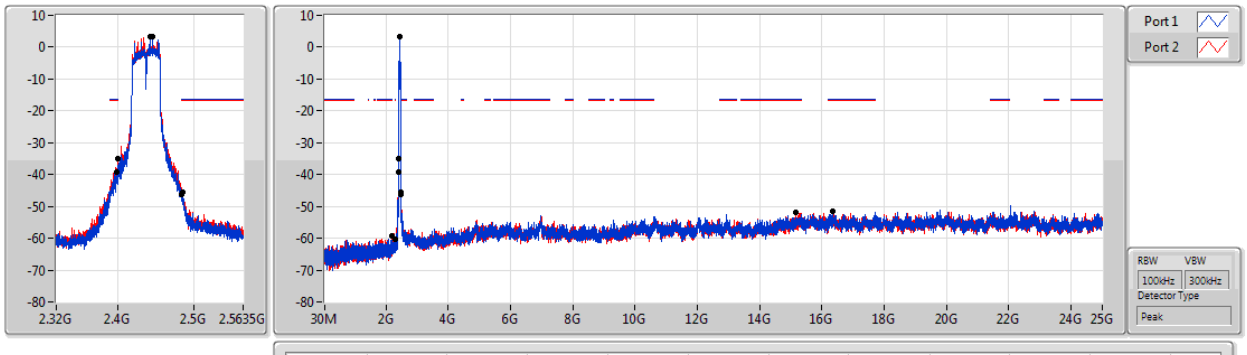
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.425718G	6.41	-13.59	2.30855G	-58.93	2.39856G	-20.93	2.48558G	-46.25	16.687277G	-51.64	1
2.426887G	6.11	-13.89	2.30855G	-58.62	2.39904G	-21.04	2.48446G	-45.45	24.481156G	-51.57	2

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

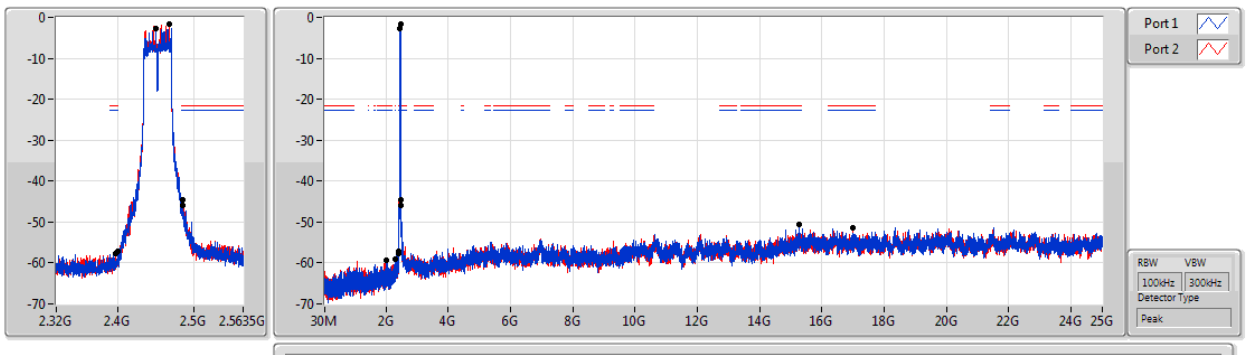
2437MHz



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	3.47	-16.53	2.300535G	-60.25	2.39824G	-39.09	2.48366G	-46.11	16.350729G	-51.61	1
2.445758G	3.29	-16.71	2.18947G	-59.33	2.39952G	-34.86	2.48414G	-45.59	15.170008G	-51.84	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
2.449432G	-2.78	-22.78	1.993675G	-59.38	2.39984G	-57.07	2.48494G	-44.64	15.279386G	-50.55	1
2.466967G	-1.55	-21.55	2.300535G	-59.10	2.39776G	-57.58	2.4851G	-46.02	17.001388G	-51.43	2

Summary

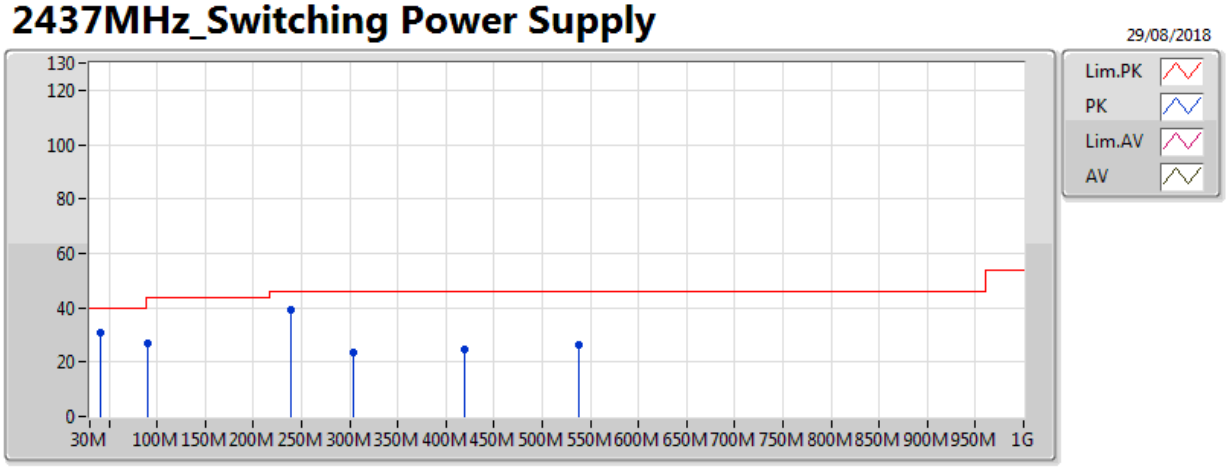
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	239.52M	39.17	46.00	-6.83	-18.69	3	Vertical	360	1.00	-

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	41.64M	30.94	40.00	-9.06	-19.22	3	Vertical	360	1.00	-
2437MHz	Pass	PK	90.14M	26.69	43.50	-16.81	-22.41	3	Vertical	360	1.00	-
2437MHz	Pass	PK	239.52M	39.17	46.00	-6.83	-18.69	3	Vertical	360	1.00	-
2437MHz	Pass	PK	303.54M	23.67	46.00	-22.33	-16.60	3	Vertical	360	1.00	-
2437MHz	Pass	PK	419.94M	24.60	46.00	-21.40	-13.22	3	Vertical	360	1.00	-
2437MHz	Pass	PK	538.28M	26.06	46.00	-19.94	-12.06	3	Vertical	360	1.00	-
2437MHz	Pass	PK	70.74M	27.68	40.00	-12.32	-25.07	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	109.54M	29.49	43.50	-14.01	-20.04	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	260.86M	31.23	46.00	-14.77	-15.71	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	381.14M	30.89	46.00	-15.11	-14.68	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	412.18M	32.09	46.00	-13.91	-13.53	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	600.36M	27.64	46.00	-18.36	-10.88	3	Horizontal	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

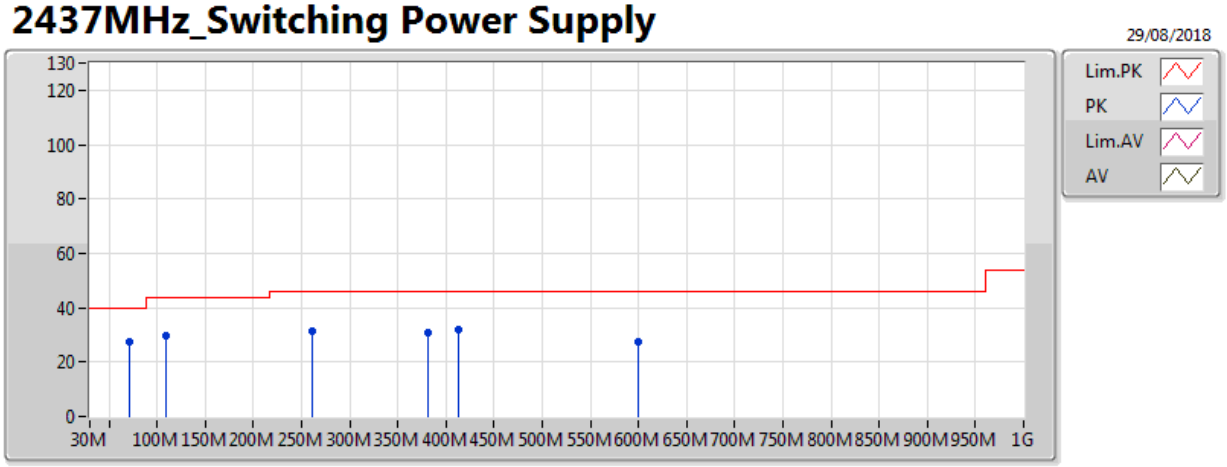
2437MHz_Switching Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	41.64M	30.94	40.00	-9.06	-19.22	3	Vertical	360	1.00	-
PK	90.14M	26.69	43.50	-16.81	-22.41	3	Vertical	360	1.00	-
PK	239.52M	39.17	46.00	-6.83	-18.69	3	Vertical	360	1.00	-
PK	303.54M	23.67	46.00	-22.33	-16.60	3	Vertical	360	1.00	-
PK	419.94M	24.60	46.00	-21.40	-13.22	3	Vertical	360	1.00	-
PK	538.28M	26.06	46.00	-19.94	-12.06	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Switching Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	70.74M	27.68	40.00	-12.32	-25.07	3	Horizontal	0	1.00	-
PK	109.54M	29.49	43.50	-14.01	-20.04	3	Horizontal	0	1.00	-
PK	260.86M	31.23	46.00	-14.77	-15.71	3	Horizontal	0	1.00	-
PK	381.14M	30.89	46.00	-15.11	-14.68	3	Horizontal	0	1.00	-
PK	412.18M	32.09	46.00	-13.91	-13.53	3	Horizontal	0	1.00	-
PK	600.36M	27.64	46.00	-18.36	-10.88	3	Horizontal	0	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.3852G	53.87	54.00	-0.13	30.76	3	Vertical	142	1.45	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.3892G	53.79	54.00	-0.21	32.27	3	Vertical	306	1.50	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.389998G	53.81	54.00	-0.19	30.77	3	Vertical	91	1.00	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.484G	53.75	54.00	-0.25	32.61	3	Vertical	295	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.4132G	114.43	Inf	-Inf	30.86	3	Vertical	142	1.45	-
2412MHz	Pass	AV	2.3852G	53.87	54.00	-0.13	30.76	3	Vertical	142	1.45	-
2412MHz	Pass	PK	2.4128G	117.28	Inf	-Inf	30.86	3	Vertical	142	1.45	-
2412MHz	Pass	PK	2.3868G	61.56	74.00	-12.44	30.76	3	Vertical	142	1.45	-
2412MHz	Pass	AV	4.824G	51.76	54.00	-2.24	2.13	3	Vertical	133	2.02	-
2412MHz	Pass	PK	4.82394G	53.74	74.00	-20.26	2.13	3	Vertical	133	2.02	-
2412MHz	Pass	AV	4.824G	37.41	54.00	-16.59	2.13	3	Horizontal	21	1.01	-
2412MHz	Pass	PK	4.82394G	43.82	74.00	-30.18	2.13	3	Horizontal	21	1.01	-
2437MHz	Pass	AV	2.3554G	43.48	54.00	-10.52	30.66	3	Vertical	142	1.02	-
2437MHz	Pass	AV	2.4362G	115.28	Inf	-Inf	30.94	3	Vertical	142	1.02	-
2437MHz	Pass	AV	2.4994G	45.49	54.00	-8.51	31.17	3	Vertical	142	1.02	-
2437MHz	Pass	PK	2.3626G	56.10	74.00	-17.90	30.68	3	Vertical	142	1.02	-
2437MHz	Pass	PK	2.4362G	117.83	Inf	-Inf	30.94	3	Vertical	142	1.02	-
2437MHz	Pass	PK	2.4898G	58.50	74.00	-15.50	31.13	3	Vertical	142	1.02	-
2437MHz	Pass	AV	4.87394G	52.82	54.00	-1.18	2.25	3	Vertical	128	2.10	-
2437MHz	Pass	AV	7.31022G	47.64	54.00	-6.36	8.00	3	Vertical	291	2.88	-
2437MHz	Pass	PK	4.874G	54.56	74.00	-19.44	2.26	3	Vertical	128	2.10	-
2437MHz	Pass	PK	7.31142G	53.63	74.00	-20.37	8.00	3	Vertical	291	2.88	-
2437MHz	Pass	AV	4.874G	36.72	54.00	-17.28	2.26	3	Horizontal	21	1.06	-
2437MHz	Pass	AV	7.3122G	39.32	54.00	-14.68	8.01	3	Horizontal	36	1.50	-
2437MHz	Pass	PK	4.87388G	44.20	74.00	-29.80	2.25	3	Horizontal	21	1.06	-
2437MHz	Pass	PK	7.31196G	48.68	74.00	-25.32	8.00	3	Horizontal	36	1.50	-
2462MHz	Pass	AV	2.4638G	113.82	Inf	-Inf	31.04	3	Vertical	142	2.11	-
2462MHz	Pass	AV	2.4848G	51.72	54.00	-2.28	31.12	3	Vertical	142	2.11	-
2462MHz	Pass	PK	2.4628G	116.02	Inf	-Inf	31.04	3	Vertical	142	2.11	-
2462MHz	Pass	PK	2.4928G	61.80	74.00	-12.20	31.14	3	Vertical	142	2.11	-
2462MHz	Pass	AV	4.924G	53.25	54.00	-0.75	2.38	3	Vertical	128	1.94	-
2462MHz	Pass	AV	7.38672G	46.61	54.00	-7.39	8.22	3	Vertical	291	2.96	-
2462MHz	Pass	PK	4.924G	55.00	74.00	-19.00	2.38	3	Vertical	128	1.94	-
2462MHz	Pass	PK	7.38666G	52.82	74.00	-21.18	8.22	3	Vertical	291	2.96	-
2462MHz	Pass	AV	4.924G	36.40	54.00	-17.60	2.38	3	Horizontal	18	1.00	-
2462MHz	Pass	AV	7.38504G	41.40	54.00	-12.60	8.22	3	Horizontal	53	1.05	-
2462MHz	Pass	PK	4.92388G	43.65	74.00	-30.35	2.38	3	Horizontal	18	1.00	-
2462MHz	Pass	PK	7.38516G	49.79	74.00	-24.21	8.22	3	Horizontal	53	1.05	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.388G	53.10	54.00	-0.90	30.77	3	Vertical	94	1.43	-
2412MHz	Pass	AV	2.4178G	104.45	Inf	-Inf	30.87	3	Vertical	94	1.43	-
2412MHz	Pass	PK	2.3874G	67.45	74.00	-6.55	30.76	3	Vertical	94	1.43	-
2412MHz	Pass	PK	2.4176G	113.96	Inf	-Inf	30.87	3	Vertical	94	1.43	-
2412MHz	Pass	AV	4.82442G	34.02	54.00	-19.98	2.13	3	Vertical	137	2.02	-
2412MHz	Pass	PK	4.82436G	47.78	74.00	-26.22	2.13	3	Vertical	137	2.02	-
2412MHz	Pass	AV	4.83132G	27.99	54.00	-26.01	2.15	3	Horizontal	229	1.50	-
2412MHz	Pass	PK	4.83498G	41.49	74.00	-32.51	2.16	3	Horizontal	229	1.50	-
2417MHz	Pass	AV	2.3896G	53.55	54.00	-0.45	32.28	3	Vertical	306	1.50	-
2417MHz	Pass	AV	2.424G	107.66	Inf	-Inf	32.40	3	Vertical	306	1.50	-
2417MHz	Pass	PK	2.389998G	70.34	74.00	-3.66	32.28	3	Vertical	306	1.50	-
2417MHz	Pass	PK	2.4238G	117.66	Inf	-Inf	32.40	3	Vertical	306	1.50	-

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	2.3864G	53.51	54.00	-0.49	32.26	3	Vertical	306	1.50	-
2422MHz	Pass	AV	2.4266G	109.32	Inf	-Inf	32.41	3	Vertical	306	1.50	-
2422MHz	Pass	PK	2.3874G	70.34	74.00	-3.66	32.26	3	Vertical	306	1.50	-
2422MHz	Pass	PK	2.427G	118.44	Inf	-Inf	32.41	3	Vertical	306	1.50	-
2427MHz	Pass	AV	2.3866G	53.38	54.00	-0.62	32.26	3	Vertical	306	1.50	-
2427MHz	Pass	AV	2.4314G	110.56	Inf	-Inf	32.42	3	Vertical	306	1.50	-
2427MHz	Pass	AV	2.4998G	50.87	54.00	-3.13	32.67	3	Vertical	306	1.50	-
2427MHz	Pass	PK	2.3866G	68.89	74.00	-5.11	32.26	3	Vertical	306	1.50	-
2427MHz	Pass	PK	2.4322G	119.46	Inf	-Inf	32.43	3	Vertical	306	1.50	-
2427MHz	Pass	PK	2.499G	67.33	74.00	-6.67	32.67	3	Vertical	306	1.50	-
2432MHz	Pass	AV	2.3892G	53.79	54.00	-0.21	32.27	3	Vertical	306	1.50	-
2432MHz	Pass	AV	2.4292G	110.60	Inf	-Inf	32.42	3	Vertical	306	1.50	-
2432MHz	Pass	AV	2.483502G	51.53	54.00	-2.47	32.61	3	Vertical	306	1.50	-
2432MHz	Pass	PK	2.3888G	69.78	74.00	-4.22	32.27	3	Vertical	306	1.50	-
2432MHz	Pass	PK	2.4284G	120.30	Inf	-Inf	32.41	3	Vertical	306	1.50	-
2432MHz	Pass	PK	2.484G	65.96	74.00	-8.04	32.61	3	Vertical	306	1.50	-
2437MHz	Pass	AV	2.3874G	48.73	54.00	-5.27	30.76	3	Vertical	93	1.02	-
2437MHz	Pass	AV	2.443G	108.52	Inf	-Inf	30.96	3	Vertical	93	1.02	-
2437MHz	Pass	AV	2.483502G	50.82	54.00	-3.18	31.11	3	Vertical	93	1.02	-
2437MHz	Pass	PK	2.3874G	66.47	74.00	-7.53	30.76	3	Vertical	93	1.02	-
2437MHz	Pass	PK	2.4426G	118.10	Inf	-Inf	30.96	3	Vertical	93	1.02	-
2437MHz	Pass	PK	2.4874G	67.67	74.00	-6.33	31.12	3	Vertical	93	1.02	-
2437MHz	Pass	AV	4.87592G	41.56	54.00	-12.44	2.26	3	Vertical	176	1.89	-
2437MHz	Pass	PK	4.8764G	56.35	74.00	-17.65	2.26	3	Vertical	176	1.89	-
2437MHz	Pass	AV	4.87358G	29.79	54.00	-24.21	2.25	3	Horizontal	155	1.91	-
2437MHz	Pass	PK	4.8785G	43.89	74.00	-30.11	2.27	3	Horizontal	155	1.91	-
2442MHz	Pass	AV	2.389998G	49.90	54.00	-4.10	32.28	3	Vertical	332	1.49	-
2442MHz	Pass	AV	2.4456G	110.82	Inf	-Inf	32.47	3	Vertical	332	1.49	-
2442MHz	Pass	AV	2.4844G	53.75	54.00	-0.25	32.61	3	Vertical	332	1.49	-
2442MHz	Pass	PK	2.3896G	61.29	74.00	-12.71	32.28	3	Vertical	332	1.49	-
2442MHz	Pass	PK	2.4452G	119.11	Inf	-Inf	32.47	3	Vertical	332	1.49	-
2442MHz	Pass	PK	2.4852G	68.00	74.00	-6.00	32.61	3	Vertical	332	1.49	-
2447MHz	Pass	AV	2.4536G	109.23	Inf	-Inf	32.50	3	Vertical	307	1.50	-
2447MHz	Pass	AV	2.483502G	53.75	54.00	-0.25	32.61	3	Vertical	307	1.50	-
2447MHz	Pass	PK	2.454G	118.03	Inf	-Inf	32.50	3	Vertical	307	1.50	-
2447MHz	Pass	PK	2.483502G	69.84	74.00	-4.16	32.61	3	Vertical	307	1.50	-
2452MHz	Pass	AV	2.447G	107.25	Inf	-Inf	32.48	3	Vertical	68	1.50	-
2452MHz	Pass	AV	2.4864G	53.63	54.00	-0.37	32.62	3	Vertical	68	1.50	-
2452MHz	Pass	PK	2.4474G	116.22	Inf	-Inf	32.48	3	Vertical	68	1.50	-
2452MHz	Pass	PK	2.4862G	70.35	74.00	-3.65	32.62	3	Vertical	68	1.50	-
2457MHz	Pass	AV	2.461G	107.59	Inf	-Inf	32.53	3	Vertical	293	1.50	-
2457MHz	Pass	AV	2.4852G	53.02	54.00	-0.98	32.61	3	Vertical	293	1.50	-
2457MHz	Pass	PK	2.4604G	116.17	Inf	-Inf	32.53	3	Vertical	293	1.50	-
2457MHz	Pass	PK	2.4844G	66.84	74.00	-7.16	32.61	3	Vertical	293	1.50	-
2462MHz	Pass	AV	2.4648G	104.33	Inf	-Inf	31.04	3	Vertical	96	1.10	-
2462MHz	Pass	AV	2.4846G	53.15	54.00	-0.85	31.12	3	Vertical	96	1.10	-
2462MHz	Pass	PK	2.4648G	113.64	Inf	-Inf	31.04	3	Vertical	96	1.10	-
2462MHz	Pass	PK	2.484G	68.50	74.00	-5.50	31.12	3	Vertical	96	1.10	-
2462MHz	Pass	AV	4.9243G	34.76	54.00	-19.24	2.38	3	Vertical	177	2.12	-

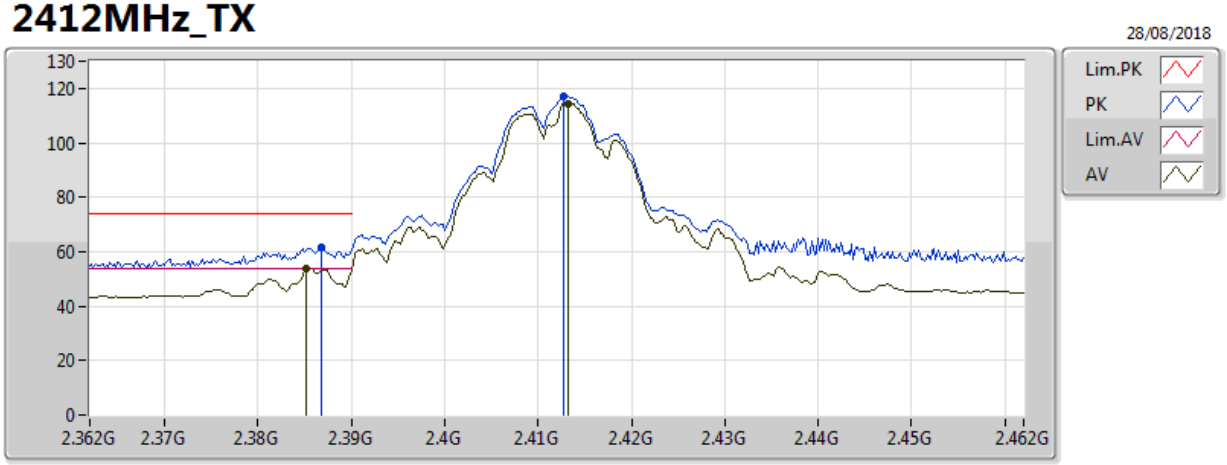
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	4.9243G	48.64	74.00	-25.36	2.38	3	Vertical	177	2.12	-
2462MHz	Pass	AV	4.9363G	28.91	54.00	-25.09	2.41	3	Horizontal	126	1.50	-
2462MHz	Pass	PK	4.91578G	41.56	74.00	-32.44	2.36	3	Horizontal	126	1.50	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	53.81	54.00	-0.19	30.77	3	Vertical	91	1.00	-
2412MHz	Pass	AV	2.415G	102.25	Inf	-Inf	30.86	3	Vertical	91	1.00	-
2412MHz	Pass	PK	2.3898G	69.30	74.00	-4.70	30.77	3	Vertical	91	1.00	-
2412MHz	Pass	PK	2.416G	112.22	Inf	-Inf	30.87	3	Vertical	91	1.00	-
2412MHz	Pass	AV	4.8273G	32.14	54.00	-21.86	2.14	3	Vertical	137	2.19	-
2412MHz	Pass	PK	4.82586G	44.60	74.00	-29.40	2.13	3	Vertical	137	2.19	-
2412MHz	Pass	AV	4.80996G	28.05	54.00	-25.95	2.09	3	Horizontal	40	2.20	-
2412MHz	Pass	PK	4.8336G	41.16	74.00	-32.84	2.15	3	Horizontal	40	2.20	-
2417MHz	Pass	AV	2.389998G	53.42	54.00	-0.58	32.28	3	Vertical	187	1.50	-
2417MHz	Pass	AV	2.4124G	104.11	Inf	-Inf	32.35	3	Vertical	187	1.50	-
2417MHz	Pass	PK	2.3896G	69.41	74.00	-4.59	32.28	3	Vertical	187	1.50	-
2417MHz	Pass	PK	2.412G	113.80	Inf	-Inf	32.35	3	Vertical	187	1.50	-
2422MHz	Pass	AV	2.389998G	53.80	54.00	-0.20	32.28	3	Vertical	95	1.50	-
2422MHz	Pass	AV	2.4162G	105.39	Inf	-Inf	32.37	3	Vertical	95	1.50	-
2422MHz	Pass	PK	2.3896G	68.56	74.00	-5.44	32.28	3	Vertical	95	1.50	-
2422MHz	Pass	PK	2.4154G	114.46	Inf	-Inf	32.37	3	Vertical	95	1.50	-
2427MHz	Pass	AV	2.3898G	53.42	54.00	-0.58	32.28	3	Vertical	306	1.50	-
2427MHz	Pass	AV	2.4338G	110.38	Inf	-Inf	32.43	3	Vertical	306	1.50	-
2427MHz	Pass	AV	2.4986G	50.87	54.00	-3.13	32.67	3	Vertical	306	1.50	-
2427MHz	Pass	PK	2.3898G	67.25	74.00	-6.75	32.28	3	Vertical	306	1.50	-
2427MHz	Pass	PK	2.4346G	119.10	Inf	-Inf	32.43	3	Vertical	306	1.50	-
2427MHz	Pass	PK	2.495G	63.55	74.00	-10.45	32.65	3	Vertical	306	1.50	-
2432MHz	Pass	AV	2.389998G	53.01	54.00	-0.99	32.28	3	Vertical	330	1.50	-
2432MHz	Pass	AV	2.436G	111.18	Inf	-Inf	32.44	3	Vertical	330	1.50	-
2432MHz	Pass	AV	2.492G	51.21	54.00	-2.79	32.64	3	Vertical	330	1.50	-
2432MHz	Pass	PK	2.389998G	65.75	74.00	-8.25	32.28	3	Vertical	330	1.50	-
2432MHz	Pass	PK	2.4348G	120.13	Inf	-Inf	32.44	3	Vertical	330	1.50	-
2432MHz	Pass	PK	2.4856G	68.33	74.00	-5.67	32.62	3	Vertical	330	1.50	-
2437MHz	Pass	AV	2.3806G	45.58	54.00	-8.42	30.75	3	Vertical	95	1.17	-
2437MHz	Pass	AV	2.4398G	107.48	Inf	-Inf	30.95	3	Vertical	95	1.17	-
2437MHz	Pass	AV	2.483502G	49.56	54.00	-4.44	31.11	3	Vertical	95	1.17	-
2437MHz	Pass	PK	2.3882G	58.81	74.00	-15.19	30.77	3	Vertical	95	1.17	-
2437MHz	Pass	PK	2.4406G	117.06	Inf	-Inf	30.96	3	Vertical	95	1.17	-
2437MHz	Pass	PK	2.4842G	64.78	74.00	-9.22	31.12	3	Vertical	95	1.17	-
2437MHz	Pass	AV	4.88006G	37.96	54.00	-16.04	2.27	3	Vertical	169	2.28	-
2437MHz	Pass	PK	4.87904G	52.40	74.00	-21.60	2.27	3	Vertical	169	2.28	-
2437MHz	Pass	AV	4.8857G	28.21	54.00	-25.79	2.28	3	Horizontal	154	2.06	-
2437MHz	Pass	PK	4.87292G	41.74	74.00	-32.26	2.25	3	Horizontal	154	2.06	-
2442MHz	Pass	AV	2.3896G	49.89	54.00	-4.11	32.28	3	Vertical	330	1.50	-
2442MHz	Pass	AV	2.436G	110.85	Inf	-Inf	32.44	3	Vertical	330	1.50	-
2442MHz	Pass	AV	2.49G	53.51	54.00	-0.49	32.64	3	Vertical	330	1.50	-
2442MHz	Pass	PK	2.3824G	61.80	74.00	-12.20	32.25	3	Vertical	330	1.50	-
2442MHz	Pass	PK	2.4364G	120.05	Inf	-Inf	32.44	3	Vertical	330	1.50	-
2442MHz	Pass	PK	2.49G	67.77	74.00	-6.23	32.64	3	Vertical	330	1.50	-
2447MHz	Pass	AV	2.4518G	109.56	Inf	-Inf	32.50	3	Vertical	212	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2447MHz	Pass	AV	2.4858G	53.19	54.00	-0.81	32.62	3	Vertical	212	1.50	-
2447MHz	Pass	PK	2.4508G	118.19	Inf	-Inf	32.49	3	Vertical	212	1.50	-
2447MHz	Pass	PK	2.4874G	66.83	74.00	-7.17	32.62	3	Vertical	212	1.50	-
2452MHz	Pass	AV	2.4486G	107.88	Inf	-Inf	32.48	3	Vertical	294	1.50	-
2452MHz	Pass	AV	2.483502G	53.75	54.00	-0.25	32.61	3	Vertical	294	1.50	-
2452MHz	Pass	PK	2.4478G	117.97	Inf	-Inf	32.48	3	Vertical	294	1.50	-
2452MHz	Pass	PK	2.4846G	68.03	74.00	-5.97	32.61	3	Vertical	294	1.50	-
2457MHz	Pass	AV	2.4618G	107.78	Inf	-Inf	32.53	3	Vertical	212	1.50	-
2457MHz	Pass	AV	2.483502G	53.46	54.00	-0.54	32.61	3	Vertical	212	1.50	-
2457MHz	Pass	PK	2.4622G	116.83	Inf	-Inf	32.53	3	Vertical	212	1.50	-
2457MHz	Pass	PK	2.483502G	68.92	74.00	-5.08	32.61	3	Vertical	212	1.50	-
2462MHz	Pass	AV	2.455G	104.37	Inf	-Inf	31.01	3	Vertical	95	1.04	-
2462MHz	Pass	AV	2.483502G	53.18	54.00	-0.82	31.11	3	Vertical	95	1.04	-
2462MHz	Pass	PK	2.4576G	113.54	Inf	-Inf	31.02	3	Vertical	95	1.04	-
2462MHz	Pass	PK	2.483502G	67.79	74.00	-6.21	31.11	3	Vertical	95	1.04	-
2462MHz	Pass	AV	4.92616G	33.95	54.00	-20.05	2.39	3	Vertical	169	1.85	-
2462MHz	Pass	PK	4.92646G	46.95	74.00	-27.05	2.39	3	Vertical	169	1.85	-
2462MHz	Pass	AV	4.92136G	28.61	54.00	-25.39	2.37	3	Horizontal	255	1.50	-
2462MHz	Pass	PK	4.92466G	41.49	74.00	-32.51	2.38	3	Horizontal	255	1.50	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.389998G	53.14	54.00	-0.86	30.77	3	Vertical	96	1.14	-
2422MHz	Pass	AV	2.4332G	97.69	Inf	-Inf	30.93	3	Vertical	96	1.14	-
2422MHz	Pass	AV	2.4992G	45.84	54.00	-8.16	31.17	3	Vertical	96	1.14	-
2422MHz	Pass	PK	2.389998G	66.47	74.00	-7.53	30.77	3	Vertical	96	1.14	-
2422MHz	Pass	PK	2.4348G	106.64	Inf	-Inf	30.94	3	Vertical	96	1.14	-
2422MHz	Pass	PK	2.4876G	57.58	74.00	-16.42	31.13	3	Vertical	96	1.14	-
2422MHz	Pass	AV	4.84922G	28.77	54.00	-25.23	2.19	3	Vertical	143	2.05	-
2422MHz	Pass	PK	4.85474G	40.69	74.00	-33.31	2.21	3	Vertical	143	2.05	-
2422MHz	Pass	AV	4.83008G	28.40	54.00	-25.60	2.15	3	Horizontal	49	2.75	-
2422MHz	Pass	PK	4.84772G	40.86	74.00	-33.14	2.19	3	Horizontal	49	2.75	-
2427MHz	Pass	AV	2.3894G	53.14	54.00	-0.86	32.27	3	Vertical	88	1.50	-
2427MHz	Pass	AV	2.4382G	99.47	Inf	-Inf	32.45	3	Vertical	88	1.50	-
2427MHz	Pass	AV	2.4902G	50.41	54.00	-3.59	32.64	3	Vertical	88	1.50	-
2427MHz	Pass	PK	2.3898G	65.05	74.00	-8.95	32.28	3	Vertical	88	1.50	-
2427MHz	Pass	PK	2.4382G	107.97	Inf	-Inf	32.45	3	Vertical	88	1.50	-
2427MHz	Pass	PK	2.4938G	61.51	74.00	-12.49	32.65	3	Vertical	88	1.50	-
2432MHz	Pass	AV	2.389998G	52.73	54.00	-1.27	32.28	3	Vertical	331	1.50	-
2432MHz	Pass	AV	2.436G	102.01	Inf	-Inf	32.44	3	Vertical	331	1.50	-
2432MHz	Pass	AV	2.4916G	51.01	54.00	-2.99	32.64	3	Vertical	331	1.50	-
2432MHz	Pass	PK	2.389998G	64.00	74.00	-10.00	32.28	3	Vertical	331	1.50	-
2432MHz	Pass	PK	2.4364G	110.45	Inf	-Inf	32.44	3	Vertical	331	1.50	-
2432MHz	Pass	PK	2.4868G	61.75	74.00	-12.25	32.62	3	Vertical	331	1.50	-
2437MHz	Pass	AV	2.3802G	48.40	54.00	-5.60	30.74	3	Vertical	95	1.16	-
2437MHz	Pass	AV	2.4402G	102.09	Inf	-Inf	30.95	3	Vertical	95	1.16	-
2437MHz	Pass	AV	2.483502G	53.24	54.00	-0.76	31.11	3	Vertical	95	1.16	-
2437MHz	Pass	PK	2.383G	61.25	74.00	-12.75	30.75	3	Vertical	95	1.16	-
2437MHz	Pass	PK	2.441G	111.27	Inf	-Inf	30.96	3	Vertical	95	1.16	-
2437MHz	Pass	PK	2.483502G	66.26	74.00	-7.74	31.11	3	Vertical	95	1.16	-
2437MHz	Pass	AV	4.87916G	31.06	54.00	-22.94	2.27	3	Vertical	143	1.88	-

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	4.88072G	43.66	74.00	-30.34	2.27	3	Vertical	143	1.88	-
2437MHz	Pass	AV	4.88768G	28.42	54.00	-25.58	2.29	3	Horizontal	194	1.50	-
2437MHz	Pass	PK	4.88504G	40.61	74.00	-33.39	2.28	3	Horizontal	194	1.50	-
2442MHz	Pass	AV	2.389998G	50.00	54.00	-4.00	30.77	3	Vertical	162	1.50	-
2442MHz	Pass	AV	2.4532G	102.40	Inf	-Inf	31.00	3	Vertical	162	1.50	-
2442MHz	Pass	AV	2.4884G	52.00	54.00	-2.00	31.13	3	Vertical	162	1.50	-
2442MHz	Pass	PK	2.389998G	61.10	74.00	-12.90	30.77	3	Vertical	162	1.50	-
2442MHz	Pass	PK	2.4536G	111.47	Inf	-Inf	31.00	3	Vertical	162	1.50	-
2442MHz	Pass	PK	2.4908G	64.80	74.00	-9.20	31.13	3	Vertical	162	1.50	-
2447MHz	Pass	AV	2.389G	46.64	54.00	-7.36	30.77	3	Vertical	307	1.50	-
2447MHz	Pass	AV	2.463G	98.28	Inf	-Inf	31.04	3	Vertical	307	1.50	-
2447MHz	Pass	AV	2.483502G	53.18	54.00	-0.82	31.11	3	Vertical	307	1.50	-
2447MHz	Pass	PK	2.359G	58.76	74.00	-15.24	30.67	3	Vertical	307	1.50	-
2447MHz	Pass	PK	2.4638G	107.12	Inf	-Inf	31.04	3	Vertical	307	1.50	-
2447MHz	Pass	PK	2.483502G	66.16	74.00	-7.84	31.11	3	Vertical	307	1.50	-
2452MHz	Pass	AV	2.38G	48.10	54.00	-5.90	32.24	3	Vertical	295	1.50	-
2452MHz	Pass	AV	2.4668G	98.38	Inf	-Inf	32.55	3	Vertical	295	1.50	-
2452MHz	Pass	AV	2.484G	53.75	54.00	-0.25	32.61	3	Vertical	295	1.50	-
2452MHz	Pass	PK	2.3648G	60.55	74.00	-13.45	32.19	3	Vertical	295	1.50	-
2452MHz	Pass	PK	2.4652G	107.55	Inf	-Inf	32.54	3	Vertical	295	1.50	-
2452MHz	Pass	PK	2.4844G	67.86	74.00	-6.14	32.61	3	Vertical	295	1.50	-
2452MHz	Pass	AV	4.9184G	30.51	54.00	-23.49	2.37	3	Vertical	124	1.78	-
2452MHz	Pass	PK	4.89824G	42.73	74.00	-31.27	2.32	3	Vertical	124	1.78	-
2452MHz	Pass	AV	4.90898G	28.81	54.00	-25.19	2.34	3	Horizontal	275	2.05	-
2452MHz	Pass	PK	4.89638G	41.19	74.00	-32.81	2.31	3	Horizontal	275	2.05	-

802.11b_Nss1,(1Mbps)_2TX

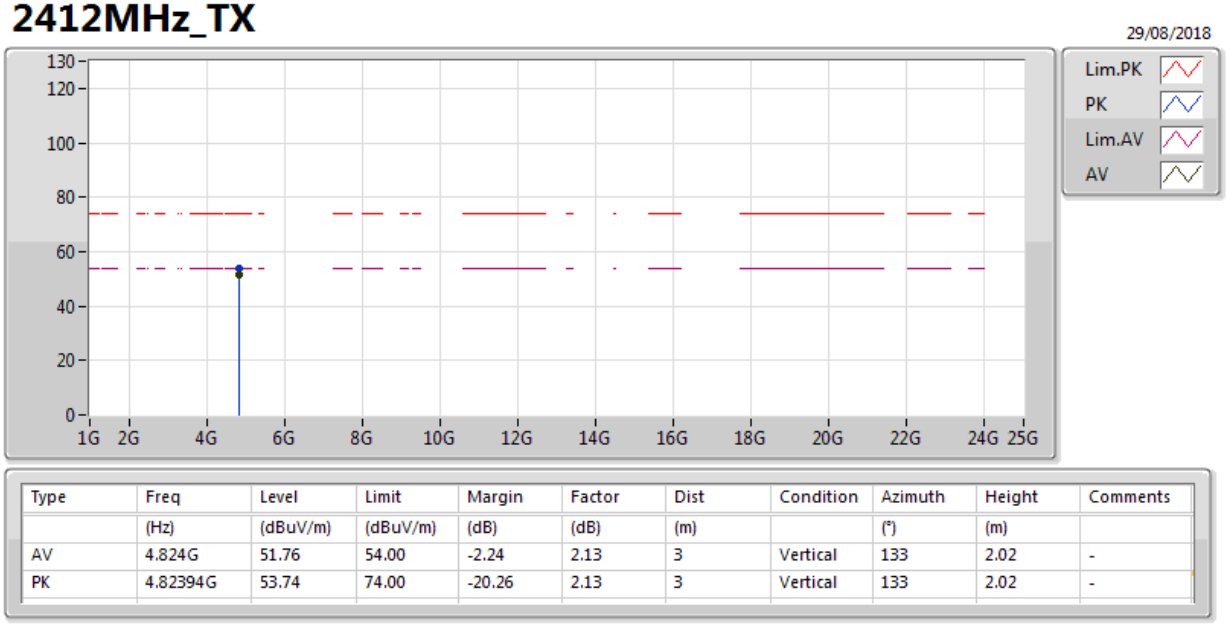
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4132G	114.43	Inf	-Inf	30.86	3	Vertical	142	1.45	-
AV	2.3852G	53.87	54.00	-0.13	30.76	3	Vertical	142	1.45	-
PK	2.4128G	117.28	Inf	-Inf	30.86	3	Vertical	142	1.45	-
PK	2.3868G	61.56	74.00	-12.44	30.76	3	Vertical	142	1.45	-

802.11b_Nss1,(1Mbps)_2TX

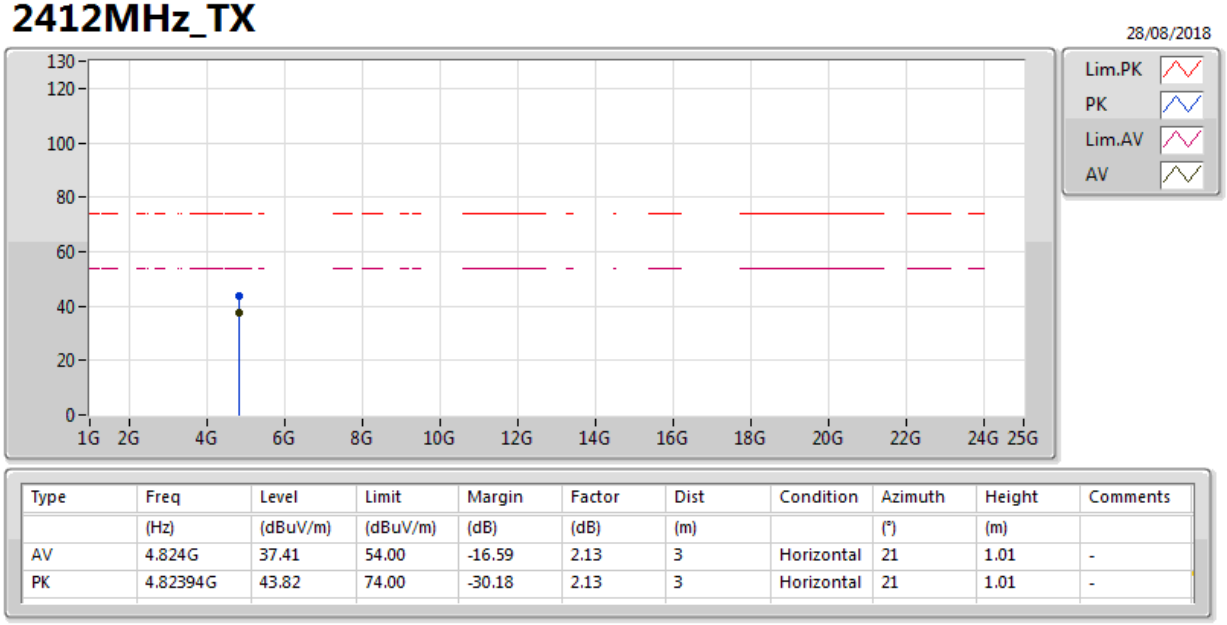
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	51.76	54.00	-2.24	2.13	3	Vertical	133	2.02	-
PK	4.82394G	53.74	74.00	-20.26	2.13	3	Vertical	133	2.02	-

802.11b_Nss1,(1Mbps)_2TX

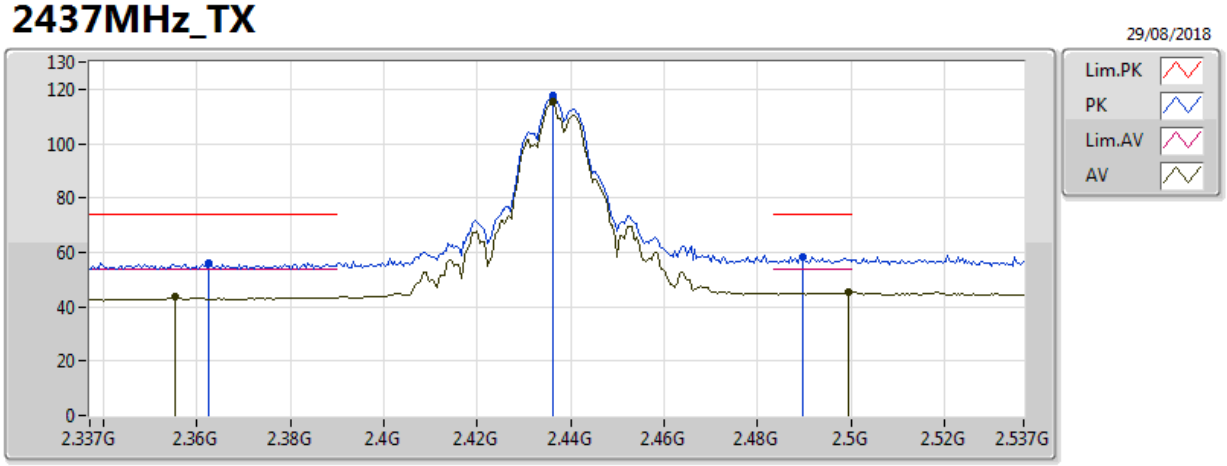
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	37.41	54.00	-16.59	2.13	3	Horizontal	21	1.01	-
PK	4.82394G	43.82	74.00	-30.18	2.13	3	Horizontal	21	1.01	-

802.11b_Nss1,(1Mbps)_2TX

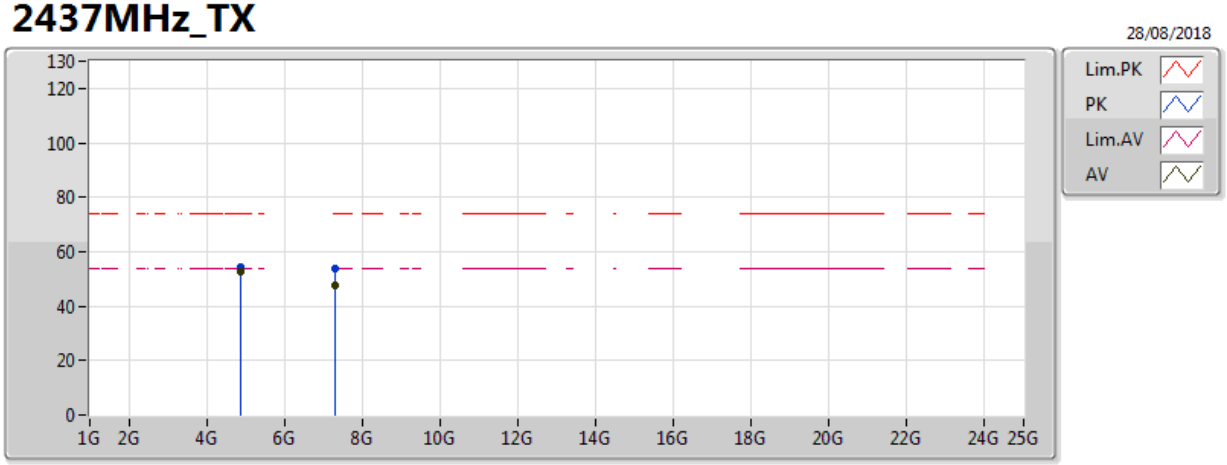
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3554G	43.48	54.00	-10.52	30.66	3	Vertical	142	1.02	-
AV	2.4362G	115.28	Inf	-Inf	30.94	3	Vertical	142	1.02	-
AV	2.4994G	45.49	54.00	-8.51	31.17	3	Vertical	142	1.02	-
PK	2.3626G	56.10	74.00	-17.90	30.68	3	Vertical	142	1.02	-
PK	2.4362G	117.83	Inf	-Inf	30.94	3	Vertical	142	1.02	-
PK	2.4898G	58.50	74.00	-15.50	31.13	3	Vertical	142	1.02	-

802.11b_Nss1,(1Mbps)_2TX

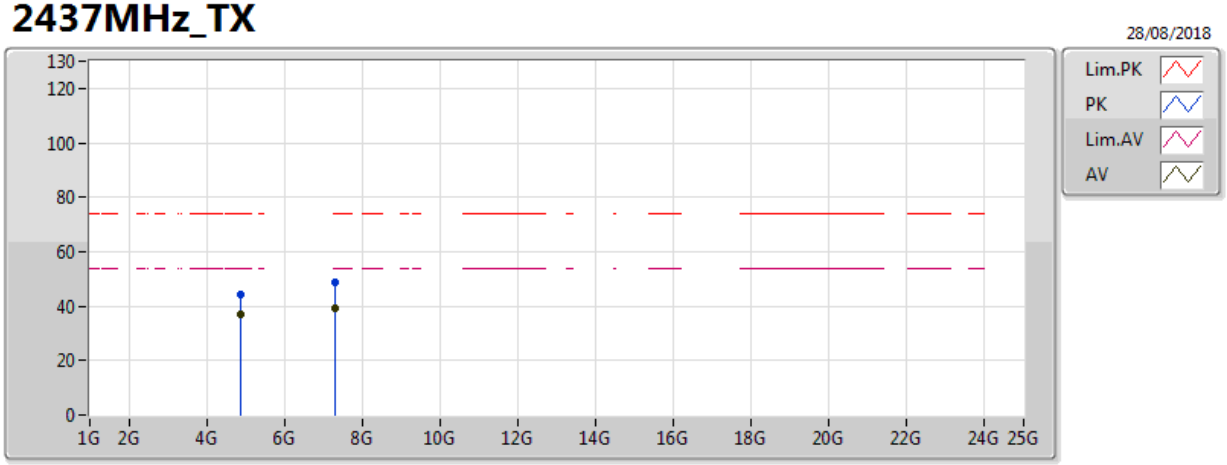
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	52.82	54.00	-1.18	2.25	3	Vertical	128	2.10	-
AV	7.31022G	47.64	54.00	-6.36	8.00	3	Vertical	291	2.88	-
PK	4.874G	54.56	74.00	-19.44	2.26	3	Vertical	128	2.10	-
PK	7.31142G	53.63	74.00	-20.37	8.00	3	Vertical	291	2.88	-

802.11b_Nss1,(1Mbps)_2TX

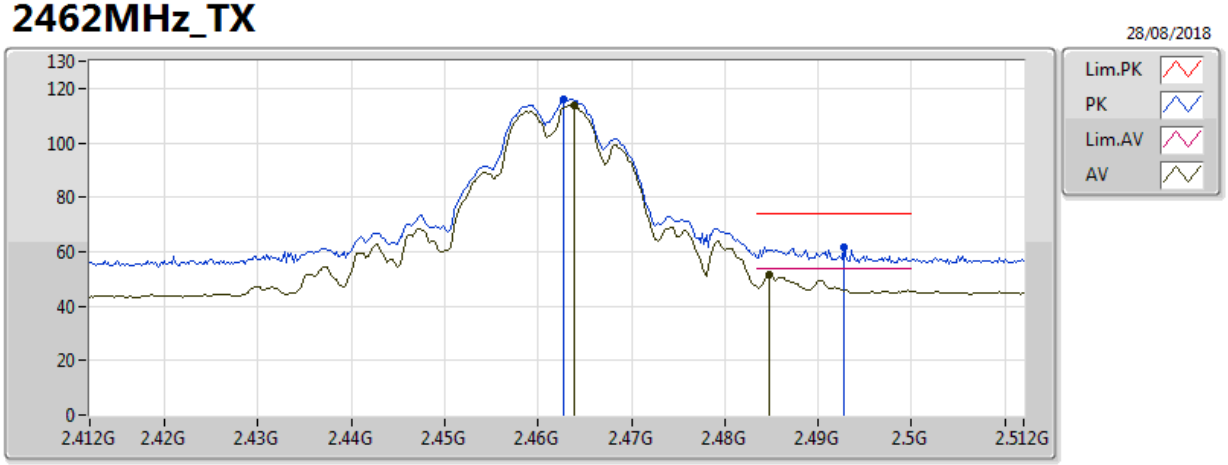
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.874G	36.72	54.00	-17.28	2.26	3	Horizontal	21	1.06	-
AV	7.3122G	39.32	54.00	-14.68	8.01	3	Horizontal	36	1.50	-
PK	4.87388G	44.20	74.00	-29.80	2.25	3	Horizontal	21	1.06	-
PK	7.31196G	48.68	74.00	-25.32	8.00	3	Horizontal	36	1.50	-

802.11b_Nss1,(1Mbps)_2TX

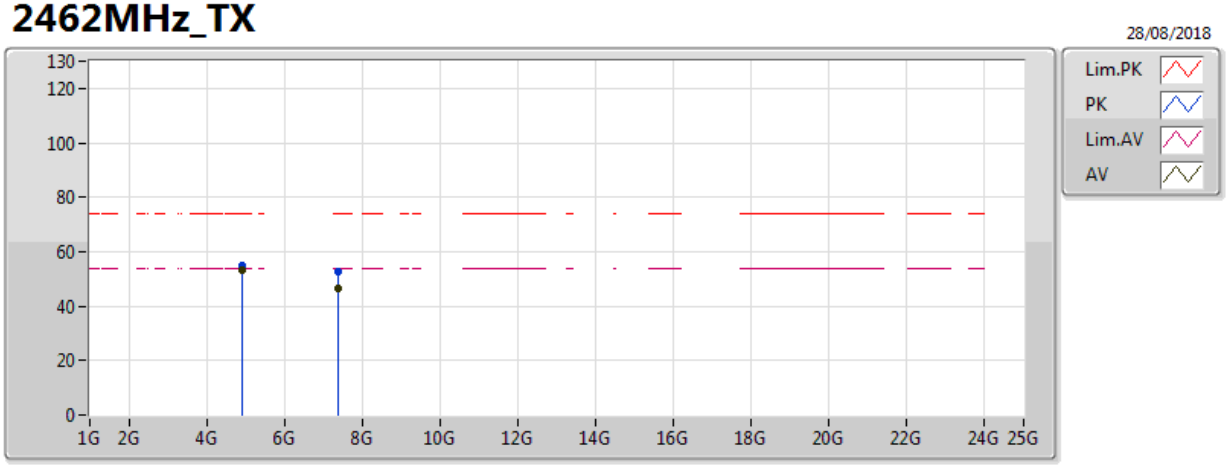
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4638G	113.82	Inf	-Inf	31.04	3	Vertical	142	2.11	-
AV	2.4848G	51.72	54.00	-2.28	31.12	3	Vertical	142	2.11	-
PK	2.4628G	116.02	Inf	-Inf	31.04	3	Vertical	142	2.11	-
PK	2.4928G	61.80	74.00	-12.20	31.14	3	Vertical	142	2.11	-

802.11b_Nss1,(1Mbps)_2TX

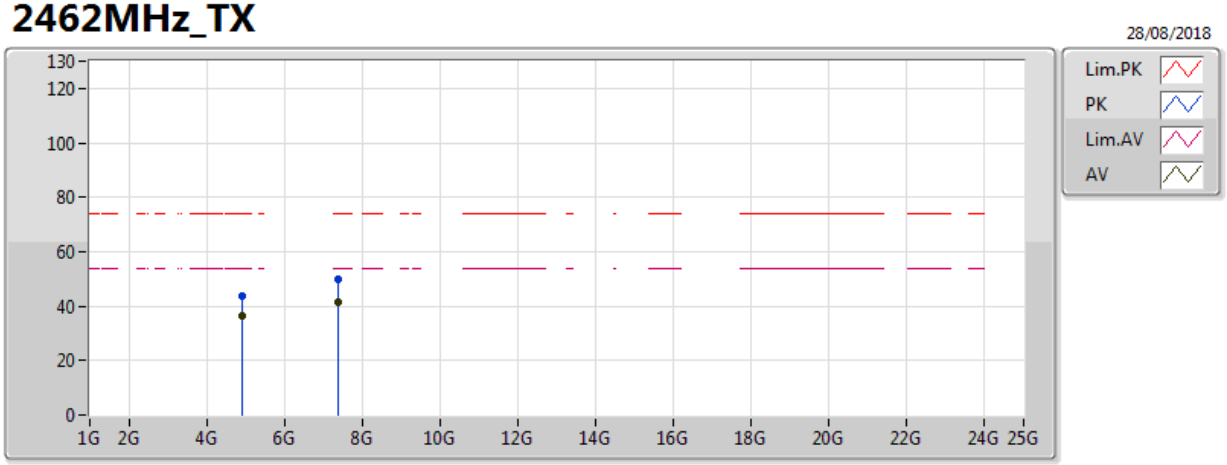
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.924G	53.25	54.00	-0.75	2.38	3	Vertical	128	1.94	-
AV	7.38672G	46.61	54.00	-7.39	8.22	3	Vertical	291	2.96	-
PK	4.924G	55.00	74.00	-19.00	2.38	3	Vertical	128	1.94	-
PK	7.38666G	52.82	74.00	-21.18	8.22	3	Vertical	291	2.96	-

802.11b_Nss1,(1Mbps)_2TX

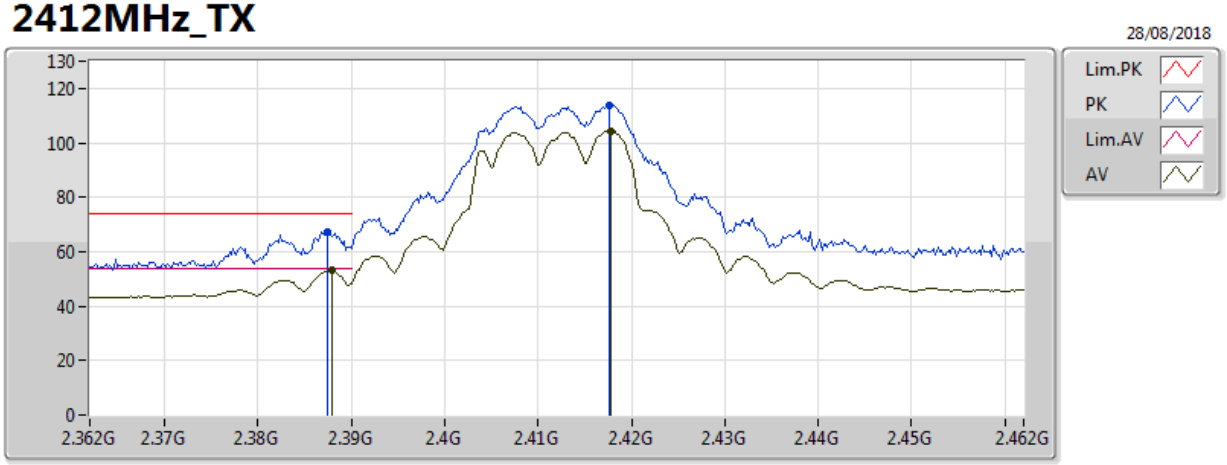
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.924G	36.40	54.00	-17.60	2.38	3	Horizontal	18	1.00	-
AV	7.38504G	41.40	54.00	-12.60	8.22	3	Horizontal	53	1.05	-
PK	4.92388G	43.65	74.00	-30.35	2.38	3	Horizontal	18	1.00	-
PK	7.38516G	49.79	74.00	-24.21	8.22	3	Horizontal	53	1.05	-

802.11g_Nss1,(6Mbps)_2TX

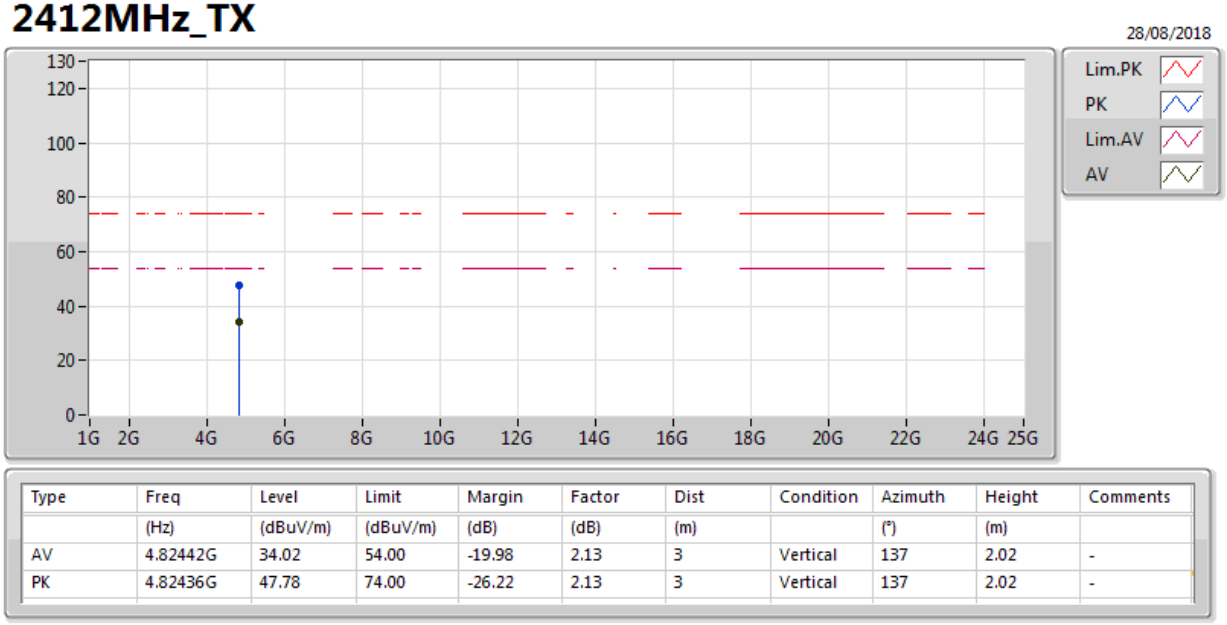
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.388G	53.10	54.00	-0.90	30.77	3	Vertical	94	1.43	-
AV	2.4178G	104.45	Inf	-Inf	30.87	3	Vertical	94	1.43	-
PK	2.3874G	67.45	74.00	-6.55	30.76	3	Vertical	94	1.43	-
PK	2.4176G	113.96	Inf	-Inf	30.87	3	Vertical	94	1.43	-

802.11g_Nss1,(6Mbps)_2TX

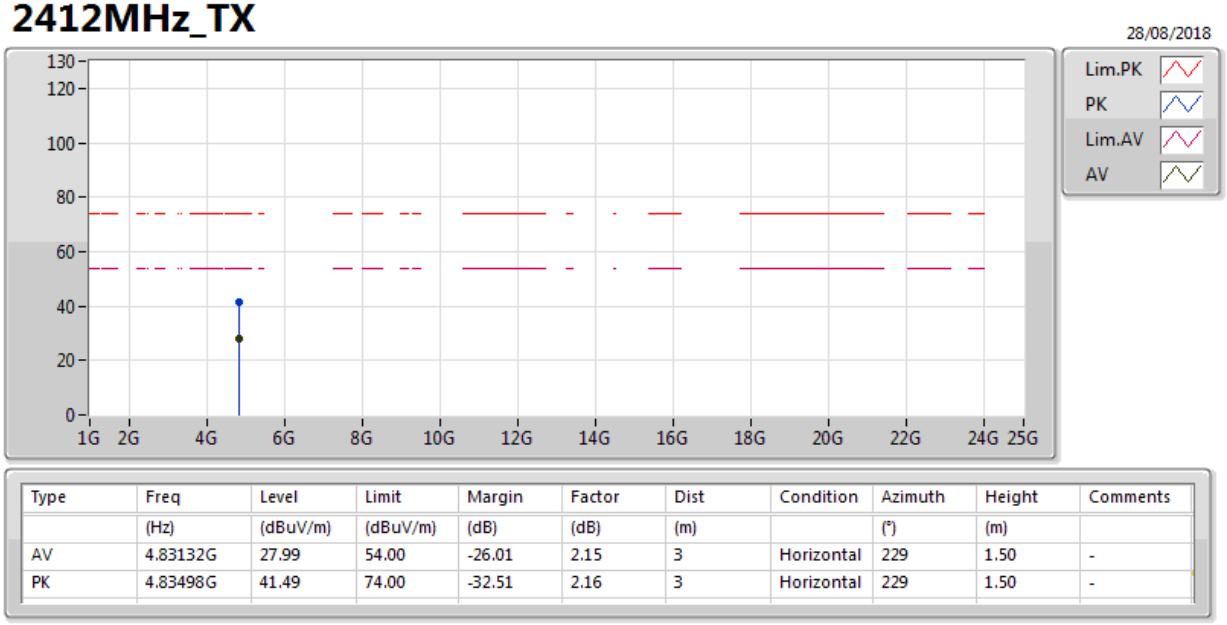
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82442G	34.02	54.00	-19.98	2.13	3	Vertical	137	2.02	-
PK	4.82436G	47.78	74.00	-26.22	2.13	3	Vertical	137	2.02	-

802.11g_Nss1,(6Mbps)_2TX

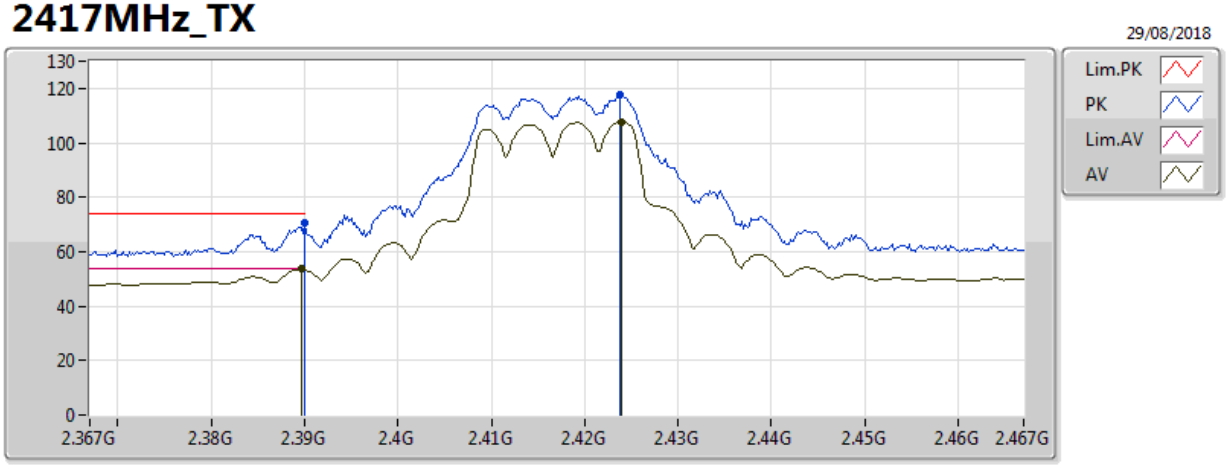
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.83132G	27.99	54.00	-26.01	2.15	3	Horizontal	229	1.50	-
PK	4.83498G	41.49	74.00	-32.51	2.16	3	Horizontal	229	1.50	-

802.11g_Nss1,(6Mbps)_2TX

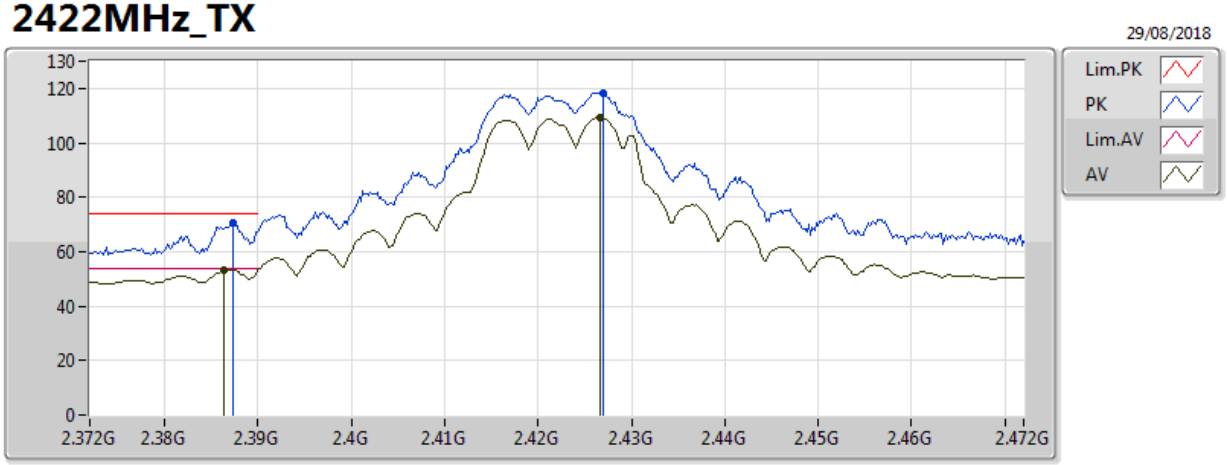
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	53.55	54.00	-0.45	32.28	3	Vertical	306	1.50	-
AV	2.424G	107.66	Inf	-Inf	32.40	3	Vertical	306	1.50	-
PK	2.389998G	70.34	74.00	-3.66	32.28	3	Vertical	306	1.50	-
PK	2.4238G	117.66	Inf	-Inf	32.40	3	Vertical	306	1.50	-

802.11g_Nss1,(6Mbps)_2TX

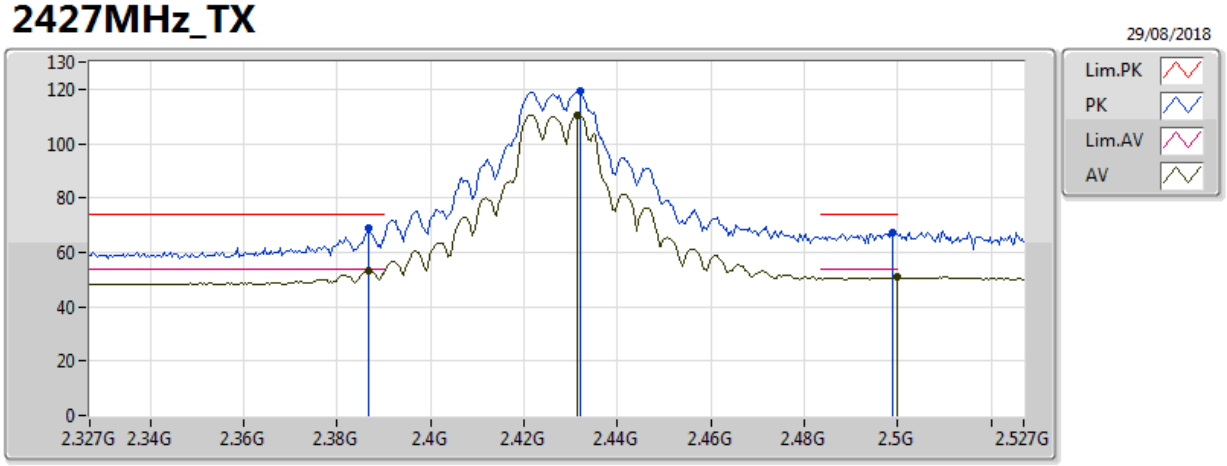
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3864G	53.51	54.00	-0.49	32.26	3	Vertical	306	1.50	-
AV	2.4266G	109.32	Inf	-Inf	32.41	3	Vertical	306	1.50	-
PK	2.3874G	70.34	74.00	-3.66	32.26	3	Vertical	306	1.50	-
PK	2.427G	118.44	Inf	-Inf	32.41	3	Vertical	306	1.50	-

802.11g_Nss1,(6Mbps)_2TX

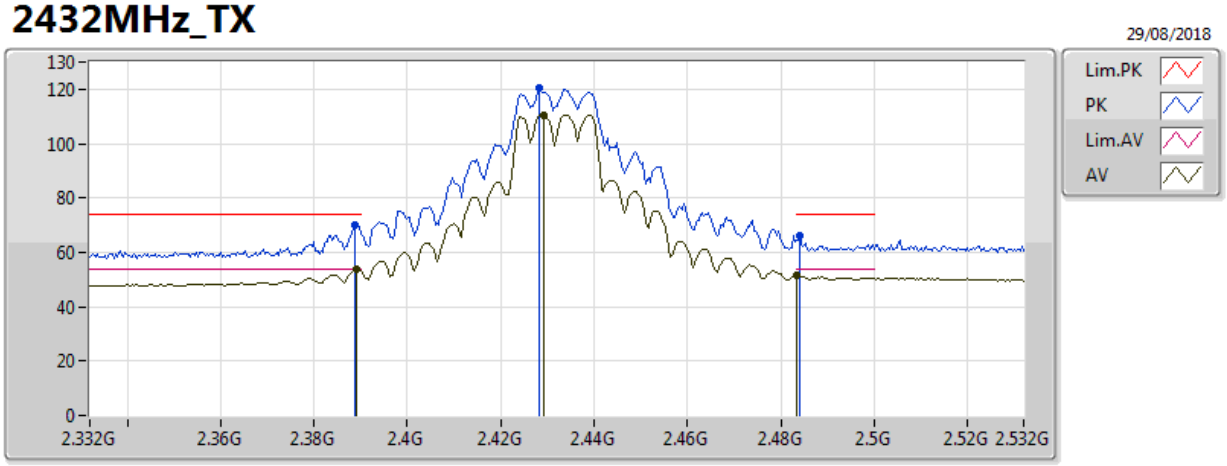
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3866G	53.38	54.00	-0.62	32.26	3	Vertical	306	1.50	-
AV	2.4314G	110.56	Inf	-Inf	32.42	3	Vertical	306	1.50	-
AV	2.4998G	50.87	54.00	-3.13	32.67	3	Vertical	306	1.50	-
PK	2.3866G	68.89	74.00	-5.11	32.26	3	Vertical	306	1.50	-
PK	2.4322G	119.46	Inf	-Inf	32.43	3	Vertical	306	1.50	-
PK	2.499G	67.33	74.00	-6.67	32.67	3	Vertical	306	1.50	-

802.11g_Nss1,(6Mbps)_2TX

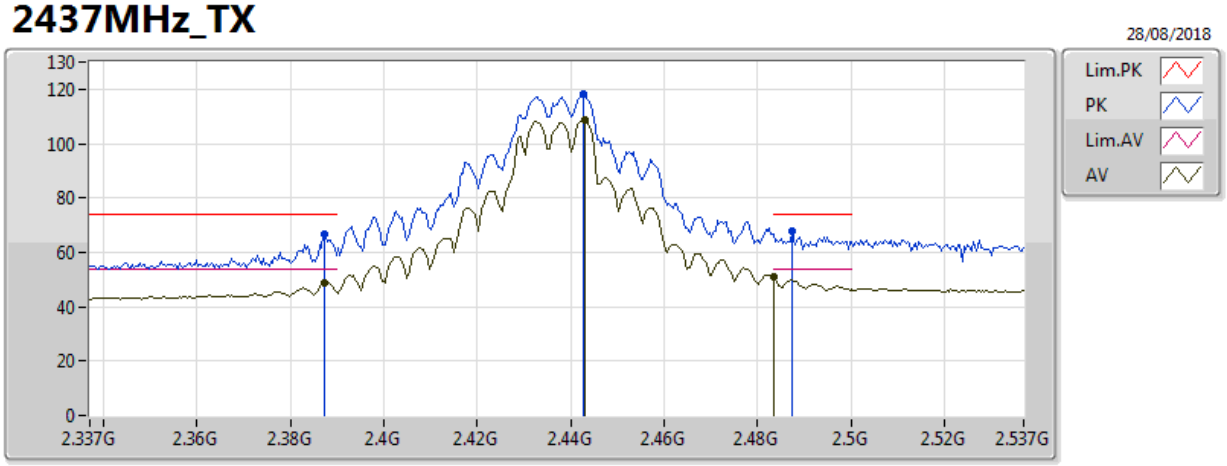
2432MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	53.79	54.00	-0.21	32.27	3	Vertical	306	1.50	-
AV	2.4292G	110.60	Inf	-Inf	32.42	3	Vertical	306	1.50	-
AV	2.483502G	51.53	54.00	-2.47	32.61	3	Vertical	306	1.50	-
PK	2.3888G	69.78	74.00	-4.22	32.27	3	Vertical	306	1.50	-
PK	2.4284G	120.30	Inf	-Inf	32.41	3	Vertical	306	1.50	-
PK	2.484G	65.96	74.00	-8.04	32.61	3	Vertical	306	1.50	-

802.11g_Nss1,(6Mbps)_2TX

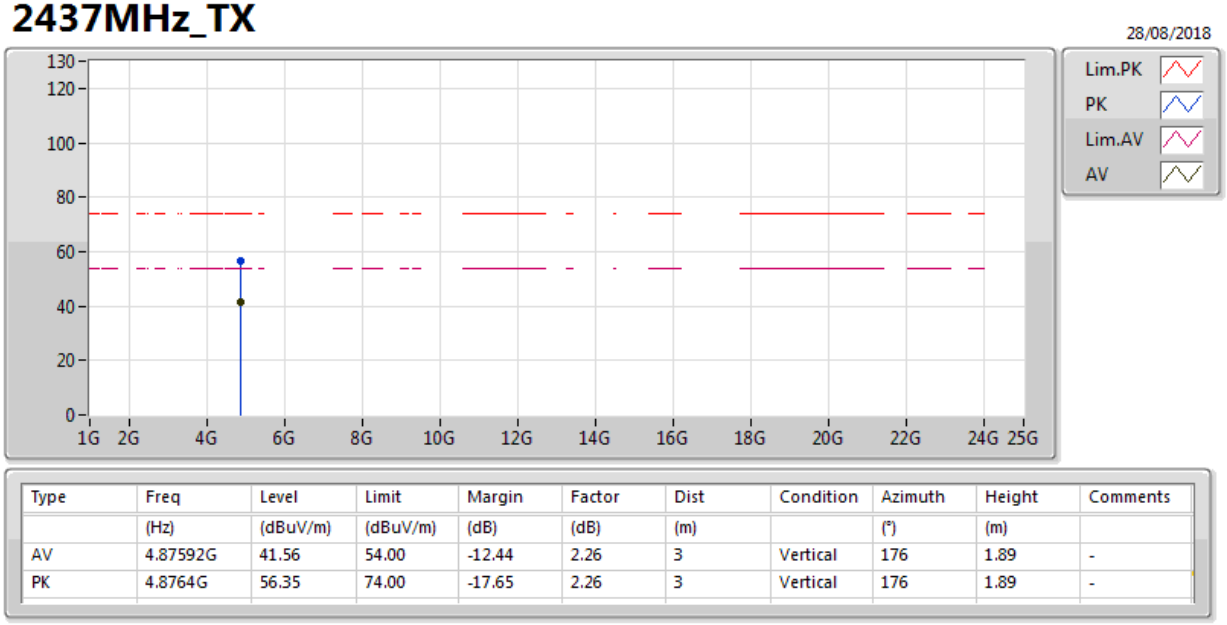
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3874G	48.73	54.00	-5.27	30.76	3	Vertical	93	1.02	-
AV	2.443G	108.52	Inf	-Inf	30.96	3	Vertical	93	1.02	-
AV	2.483502G	50.82	54.00	-3.18	31.11	3	Vertical	93	1.02	-
PK	2.3874G	66.47	74.00	-7.53	30.76	3	Vertical	93	1.02	-
PK	2.4426G	118.10	Inf	-Inf	30.96	3	Vertical	93	1.02	-
PK	2.4874G	67.67	74.00	-6.33	31.12	3	Vertical	93	1.02	-

802.11g_Nss1,(6Mbps)_2TX

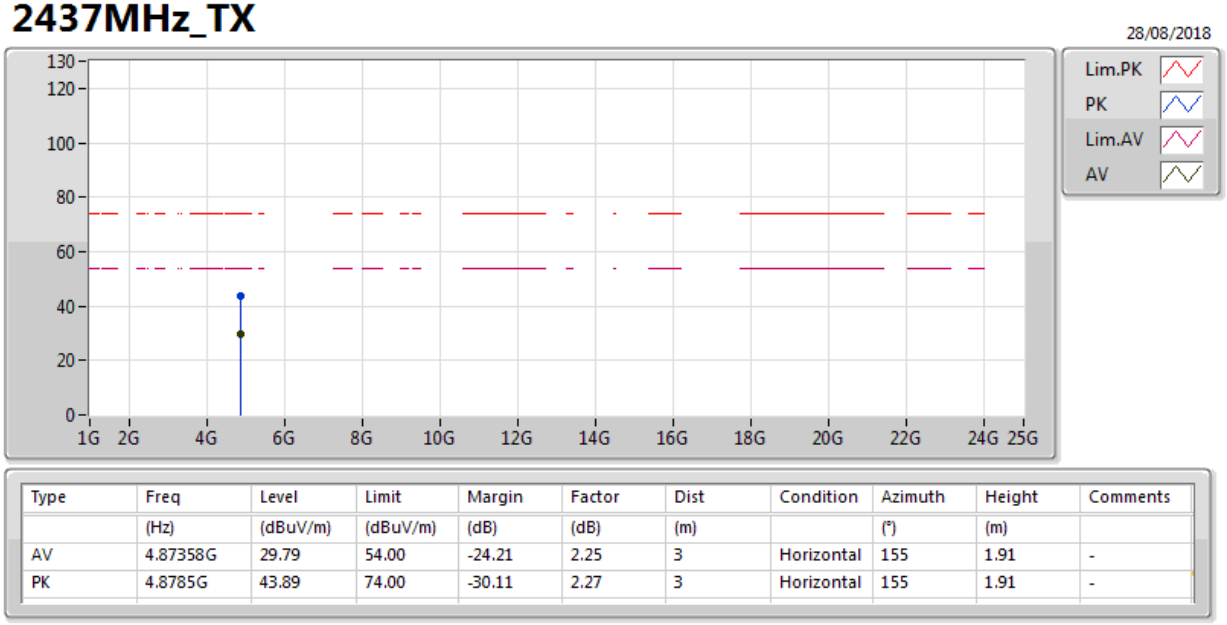
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87592G	41.56	54.00	-12.44	2.26	3	Vertical	176	1.89	-
PK	4.8764G	56.35	74.00	-17.65	2.26	3	Vertical	176	1.89	-

802.11g_Nss1,(6Mbps)_2TX

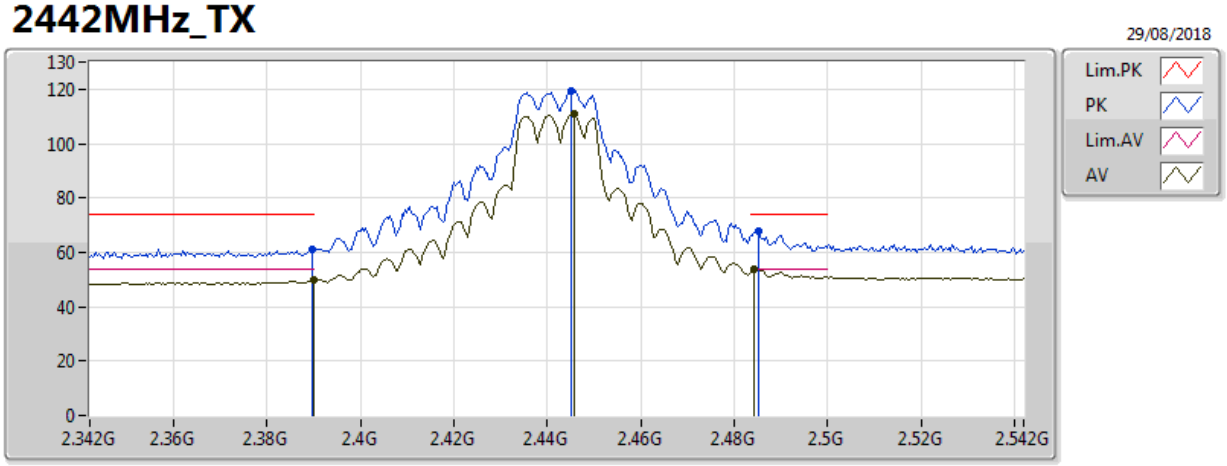
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87358G	29.79	54.00	-24.21	2.25	3	Horizontal	155	1.91	-
PK	4.8785G	43.89	74.00	-30.11	2.27	3	Horizontal	155	1.91	-

802.11g_Nss1,(6Mbps)_2TX

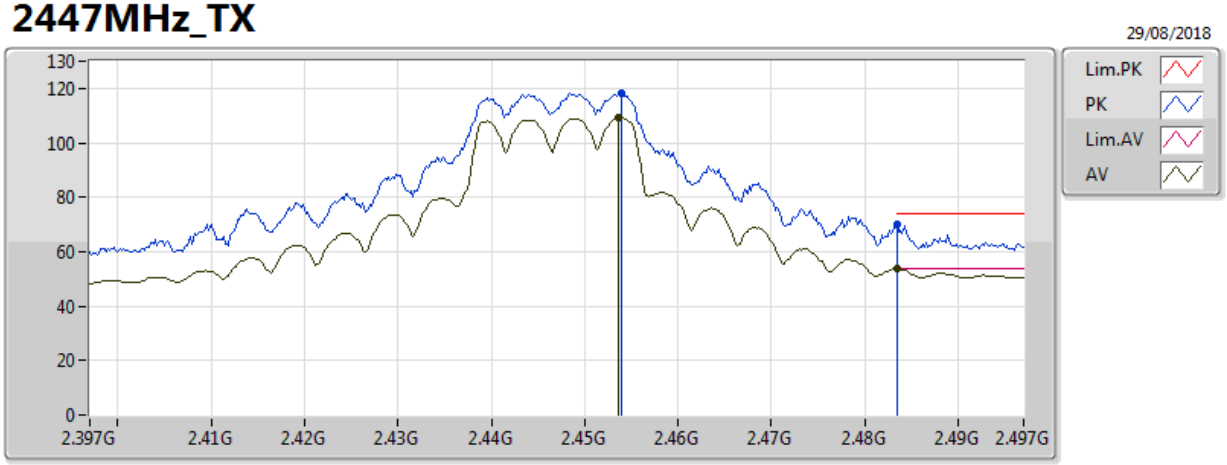
2442MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	49.90	54.00	-4.10	32.28	3	Vertical	332	1.49	-
AV	2.4456G	110.82	Inf	-Inf	32.47	3	Vertical	332	1.49	-
AV	2.4844G	53.75	54.00	-0.25	32.61	3	Vertical	332	1.49	-
PK	2.3896G	61.29	74.00	-12.71	32.28	3	Vertical	332	1.49	-
PK	2.4452G	119.11	Inf	-Inf	32.47	3	Vertical	332	1.49	-
PK	2.4852G	68.00	74.00	-6.00	32.61	3	Vertical	332	1.49	-

802.11g_Nss1,(6Mbps)_2TX

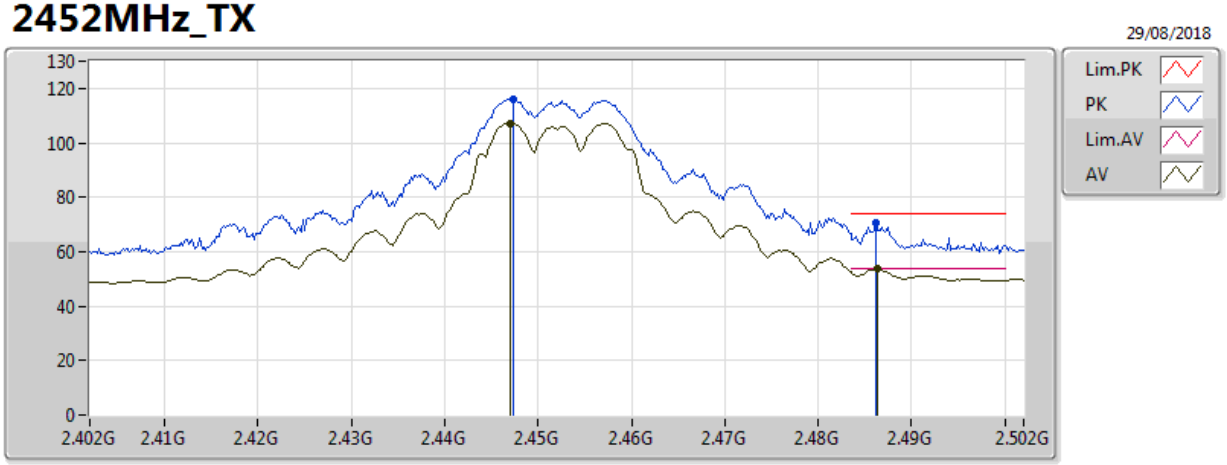
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4536G	109.23	Inf	-Inf	32.50	3	Vertical	307	1.50	-
AV	2.483502G	53.75	54.00	-0.25	32.61	3	Vertical	307	1.50	-
PK	2.454G	118.03	Inf	-Inf	32.50	3	Vertical	307	1.50	-
PK	2.483502G	69.84	74.00	-4.16	32.61	3	Vertical	307	1.50	-

802.11g_Nss1,(6Mbps)_2TX

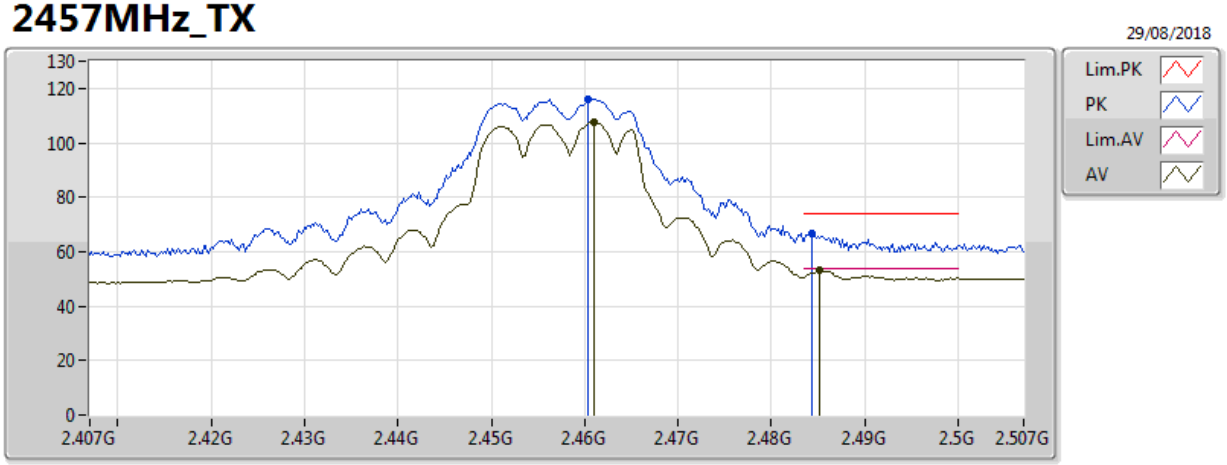
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.447G	107.25	Inf	-Inf	32.48	3	Vertical	68	1.50	-
AV	2.4864G	53.63	54.00	-0.37	32.62	3	Vertical	68	1.50	-
PK	2.4474G	116.22	Inf	-Inf	32.48	3	Vertical	68	1.50	-
PK	2.4862G	70.35	74.00	-3.65	32.62	3	Vertical	68	1.50	-

802.11g_Nss1,(6Mbps)_2TX

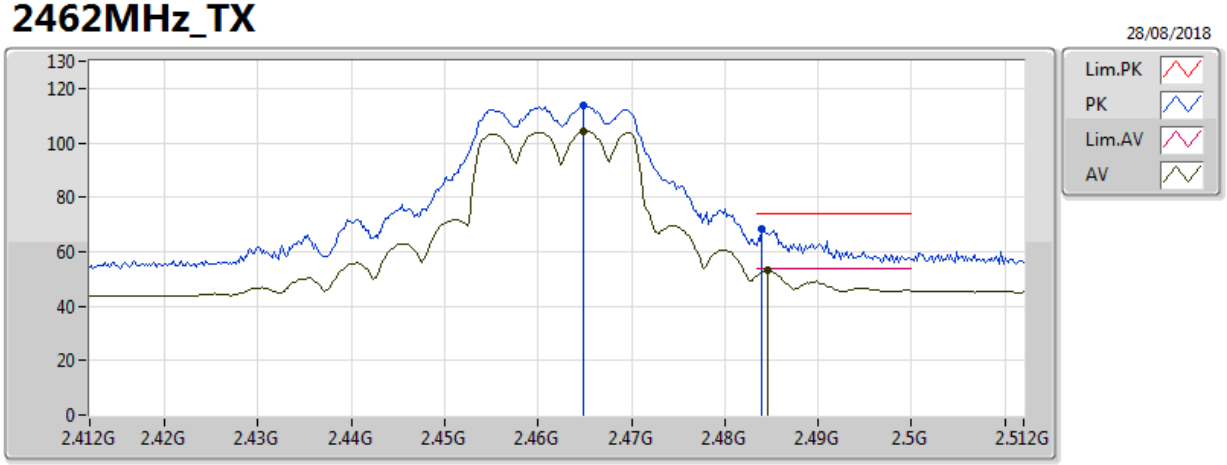
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.461G	107.59	Inf	-Inf	32.53	3	Vertical	293	1.50	-
AV	2.4852G	53.02	54.00	-0.98	32.61	3	Vertical	293	1.50	-
PK	2.4604G	116.17	Inf	-Inf	32.53	3	Vertical	293	1.50	-
PK	2.4844G	66.84	74.00	-7.16	32.61	3	Vertical	293	1.50	-

802.11g_Nss1,(6Mbps)_2TX

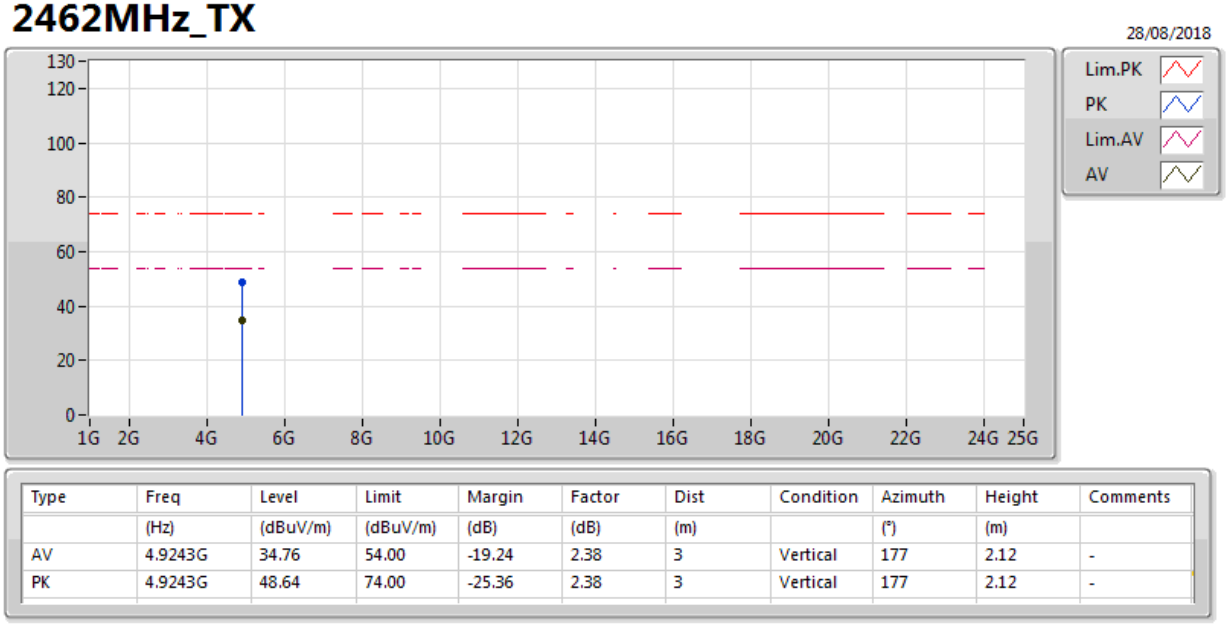
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4648G	104.33	Inf	-Inf	31.04	3	Vertical	96	1.10	-
AV	2.4846G	53.15	54.00	-0.85	31.12	3	Vertical	96	1.10	-
PK	2.4648G	113.64	Inf	-Inf	31.04	3	Vertical	96	1.10	-
PK	2.484G	68.50	74.00	-5.50	31.12	3	Vertical	96	1.10	-

802.11g_Nss1,(6Mbps)_2TX

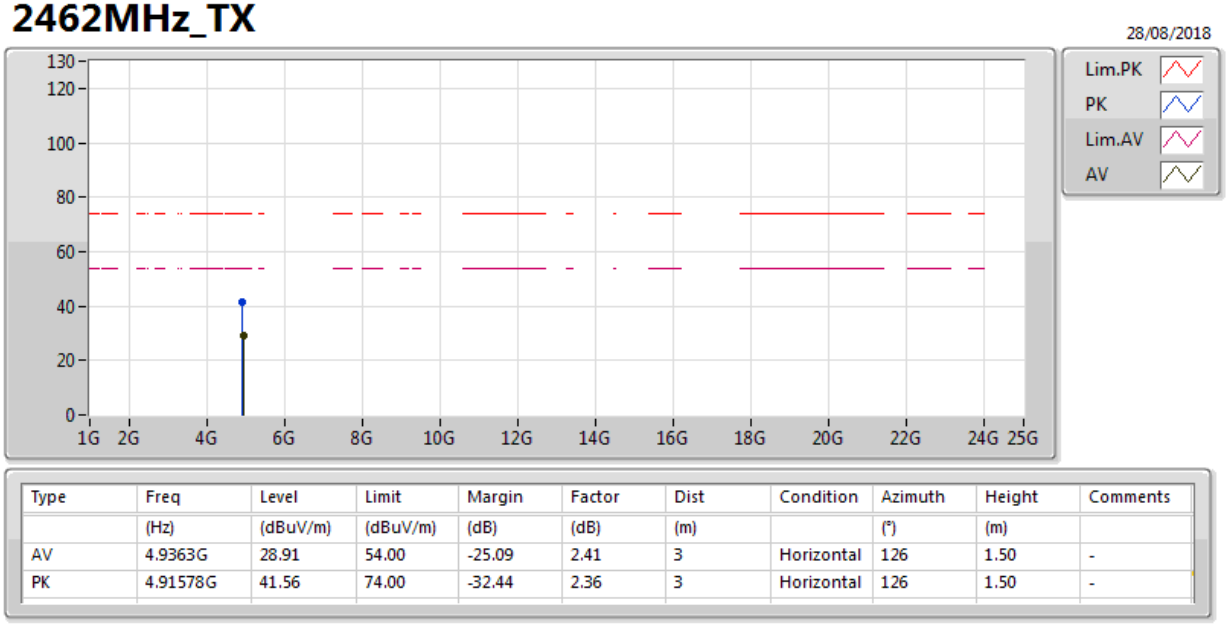
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9243G	34.76	54.00	-19.24	2.38	3	Vertical	177	2.12	-
PK	4.9243G	48.64	74.00	-25.36	2.38	3	Vertical	177	2.12	-

802.11g_Nss1,(6Mbps)_2TX

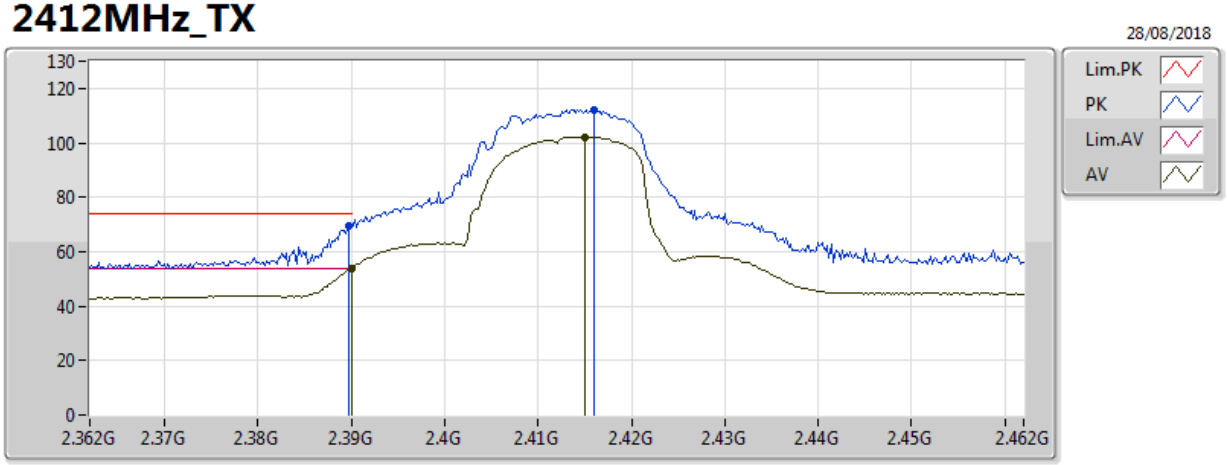
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9363G	28.91	54.00	-25.09	2.41	3	Horizontal	126	1.50	-
PK	4.91578G	41.56	74.00	-32.44	2.36	3	Horizontal	126	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

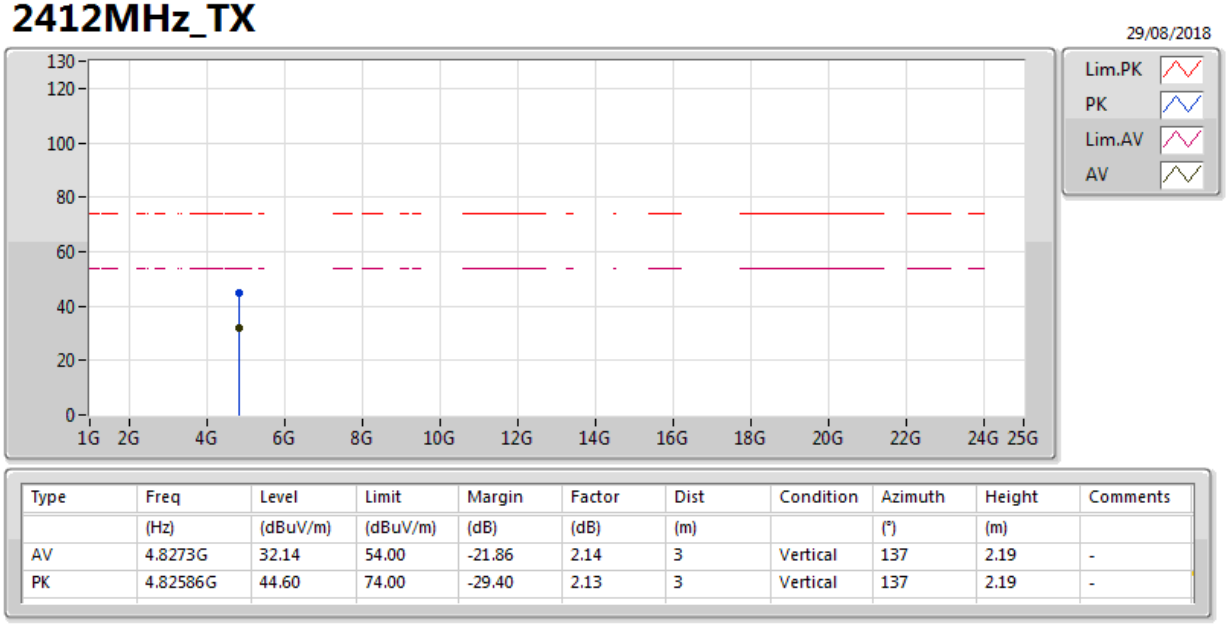
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.81	54.00	-0.19	30.77	3	Vertical	91	1.00	-
AV	2.415G	102.25	Inf	-Inf	30.86	3	Vertical	91	1.00	-
PK	2.3898G	69.30	74.00	-4.70	30.77	3	Vertical	91	1.00	-
PK	2.416G	112.22	Inf	-Inf	30.87	3	Vertical	91	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

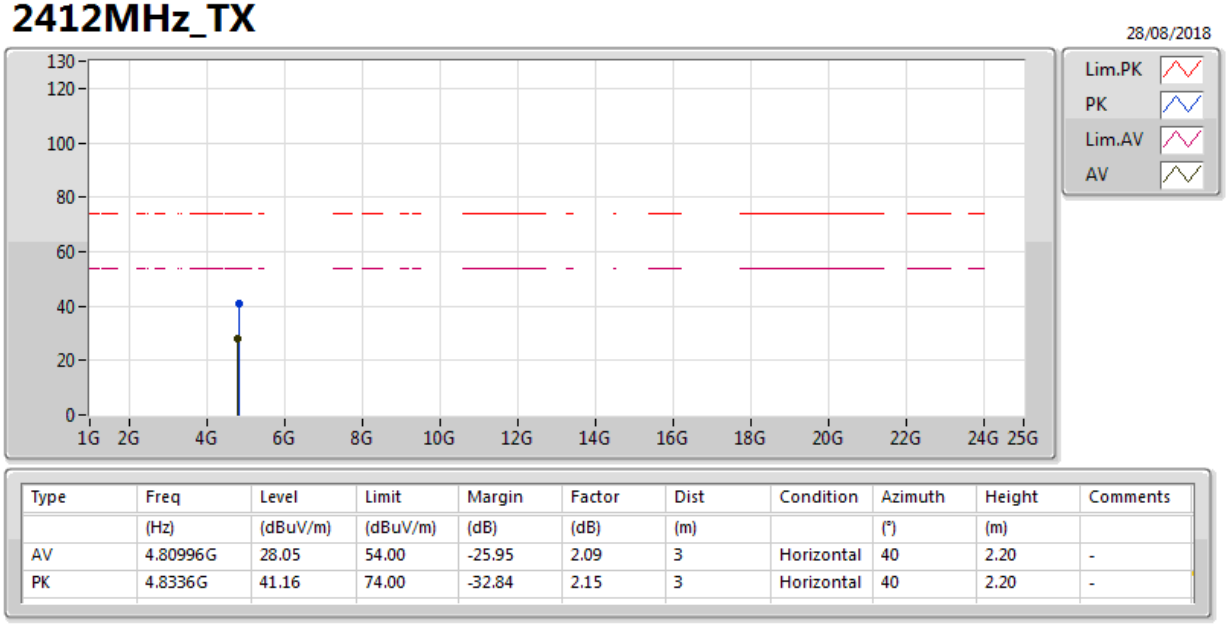
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8273G	32.14	54.00	-21.86	2.14	3	Vertical	137	2.19	-
PK	4.82586G	44.60	74.00	-29.40	2.13	3	Vertical	137	2.19	-

802.11n HT20_Nss1,(MCS0)_2TX

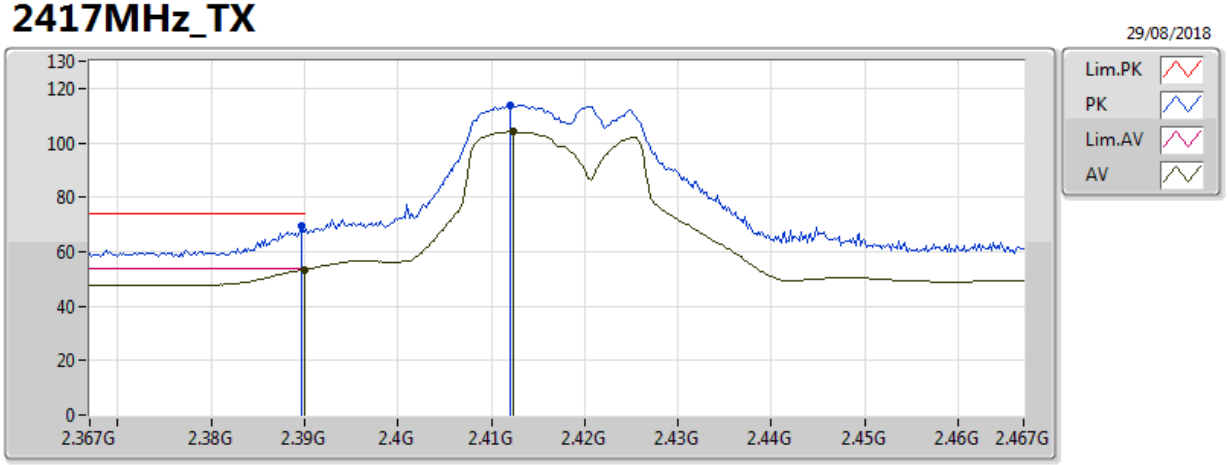
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.80996G	28.05	54.00	-25.95	2.09	3	Horizontal	40	2.20	-
PK	4.8336G	41.16	74.00	-32.84	2.15	3	Horizontal	40	2.20	-

802.11n HT20_Nss1,(MCS0)_2TX

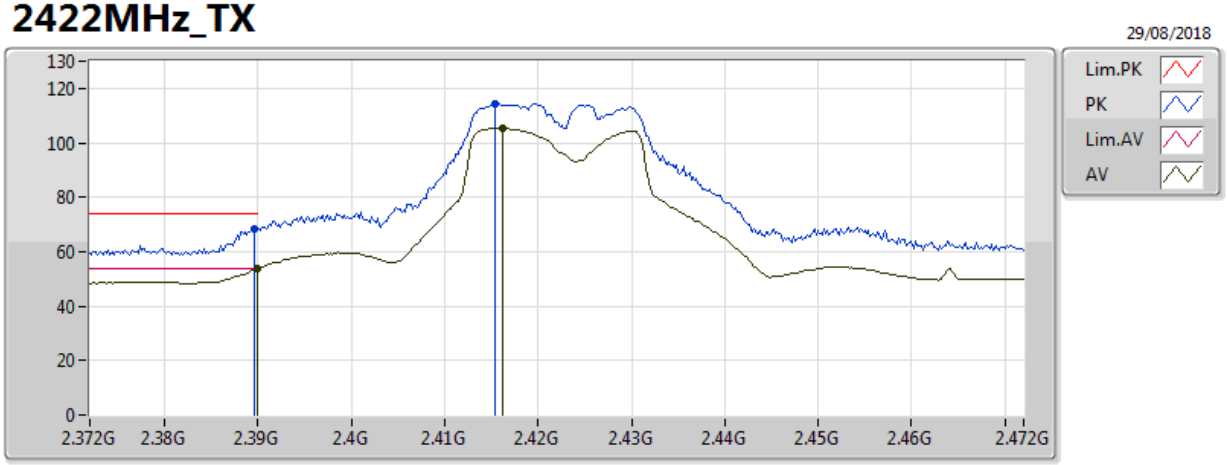
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.42	54.00	-0.58	32.28	3	Vertical	187	1.50	-
AV	2.4124G	104.11	Inf	-Inf	32.35	3	Vertical	187	1.50	-
PK	2.3896G	69.41	74.00	-4.59	32.28	3	Vertical	187	1.50	-
PK	2.412G	113.80	Inf	-Inf	32.35	3	Vertical	187	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

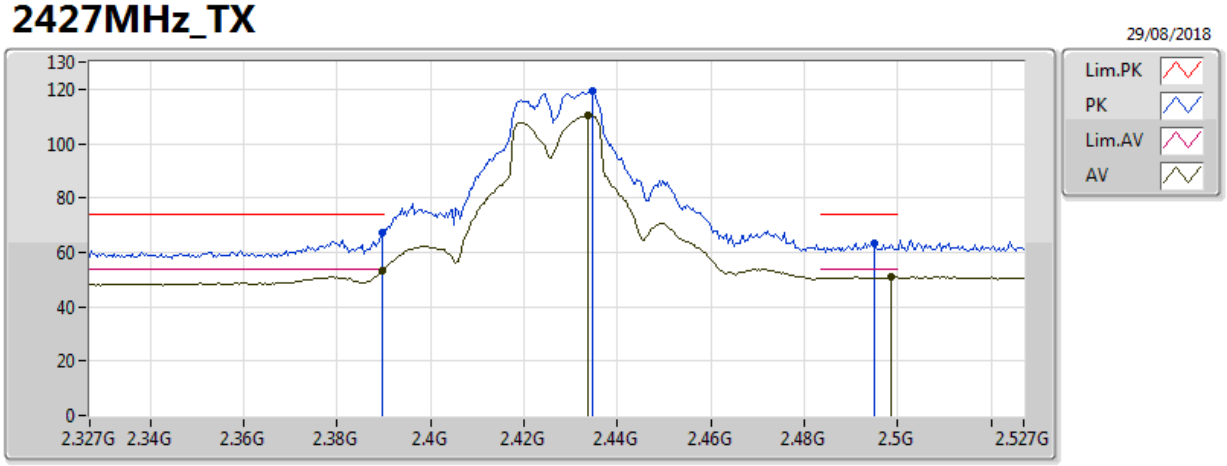
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.80	54.00	-0.20	32.28	3	Vertical	95	1.50	-
AV	2.4162G	105.39	Inf	-Inf	32.37	3	Vertical	95	1.50	-
PK	2.3896G	68.56	74.00	-5.44	32.28	3	Vertical	95	1.50	-
PK	2.4154G	114.46	Inf	-Inf	32.37	3	Vertical	95	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

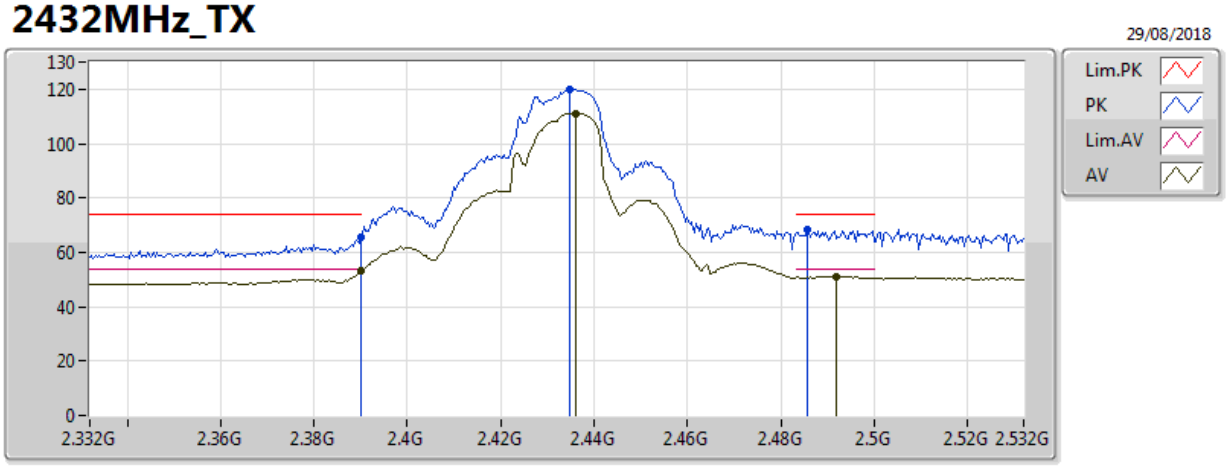
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.42	54.00	-0.58	32.28	3	Vertical	306	1.50	-
AV	2.4338G	110.38	Inf	-Inf	32.43	3	Vertical	306	1.50	-
AV	2.4986G	50.87	54.00	-3.13	32.67	3	Vertical	306	1.50	-
PK	2.3898G	67.25	74.00	-6.75	32.28	3	Vertical	306	1.50	-
PK	2.4346G	119.10	Inf	-Inf	32.43	3	Vertical	306	1.50	-
PK	2.495G	63.55	74.00	-10.45	32.65	3	Vertical	306	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

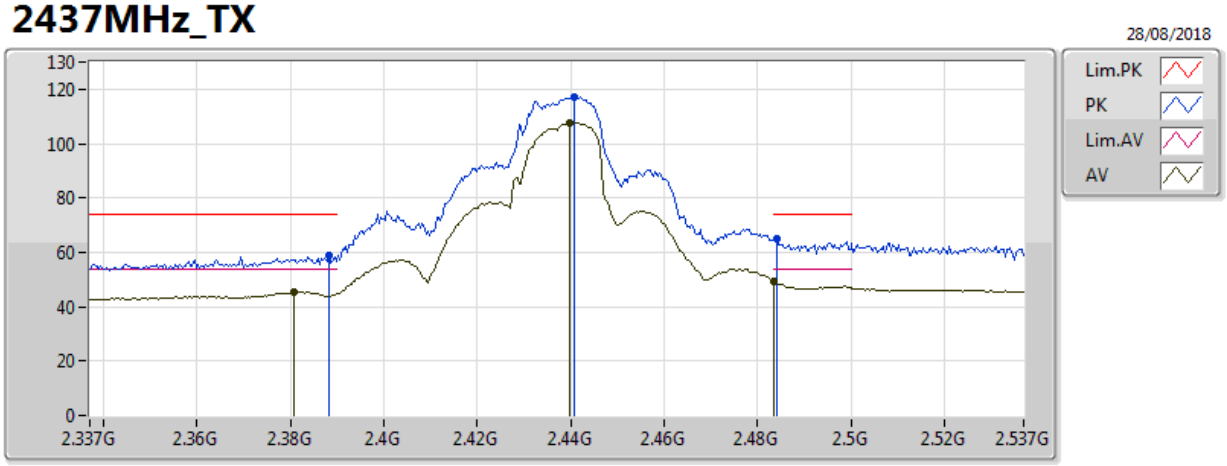
2432MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.01	54.00	-0.99	32.28	3	Vertical	330	1.50	-
AV	2.436G	111.18	Inf	-Inf	32.44	3	Vertical	330	1.50	-
AV	2.492G	51.21	54.00	-2.79	32.64	3	Vertical	330	1.50	-
PK	2.389998G	65.75	74.00	-8.25	32.28	3	Vertical	330	1.50	-
PK	2.4348G	120.13	Inf	-Inf	32.44	3	Vertical	330	1.50	-
PK	2.4856G	68.33	74.00	-5.67	32.62	3	Vertical	330	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

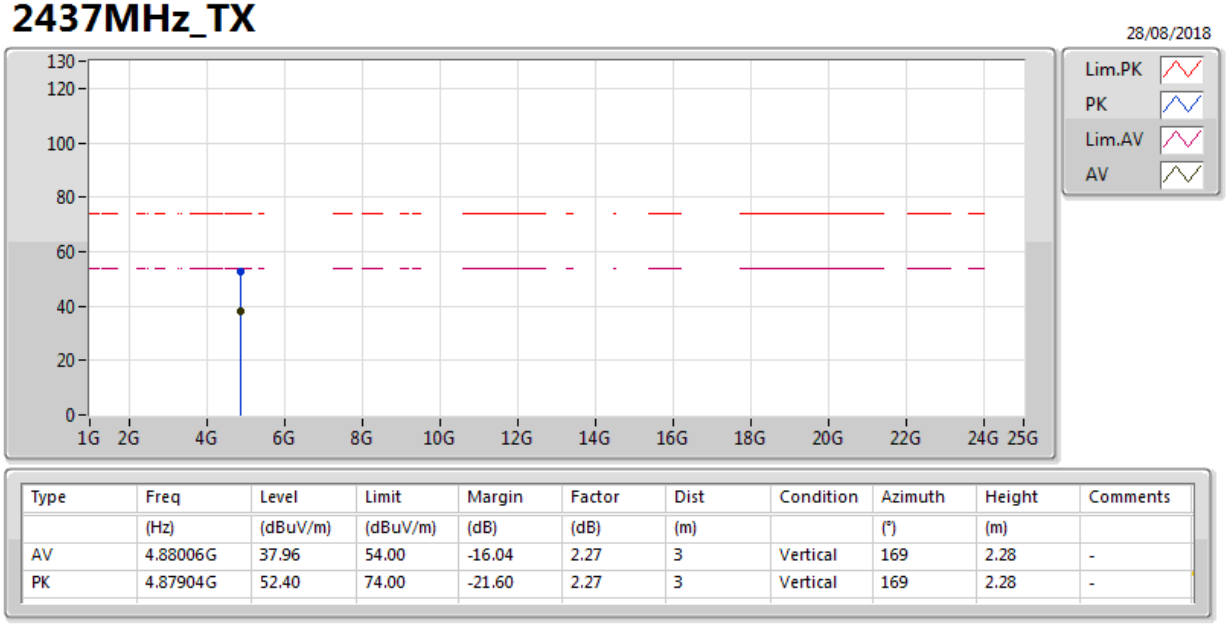
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3806G	45.58	54.00	-8.42	30.75	3	Vertical	95	1.17	-
AV	2.4398G	107.48	Inf	-Inf	30.95	3	Vertical	95	1.17	-
AV	2.483502G	49.56	54.00	-4.44	31.11	3	Vertical	95	1.17	-
PK	2.3882G	58.81	74.00	-15.19	30.77	3	Vertical	95	1.17	-
PK	2.4406G	117.06	Inf	-Inf	30.96	3	Vertical	95	1.17	-
PK	2.4842G	64.78	74.00	-9.22	31.12	3	Vertical	95	1.17	-

802.11n HT20_Nss1,(MCS0)_2TX

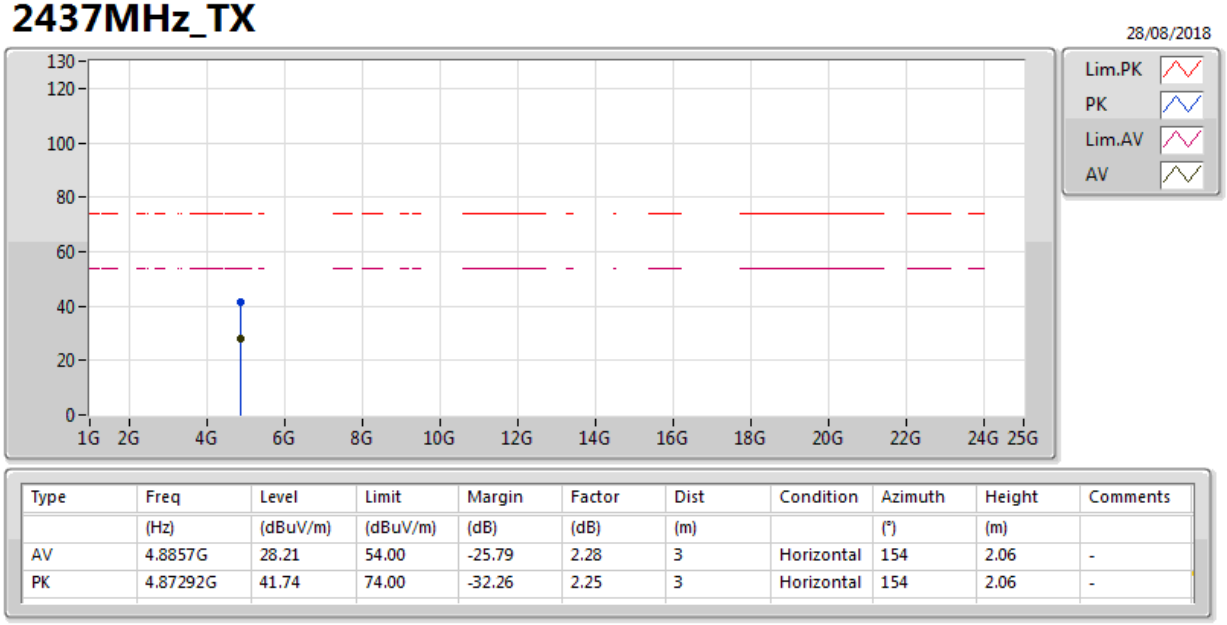
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88006G	37.96	54.00	-16.04	2.27	3	Vertical	169	2.28	-
PK	4.87904G	52.40	74.00	-21.60	2.27	3	Vertical	169	2.28	-

802.11n HT20_Nss1,(MCS0)_2TX

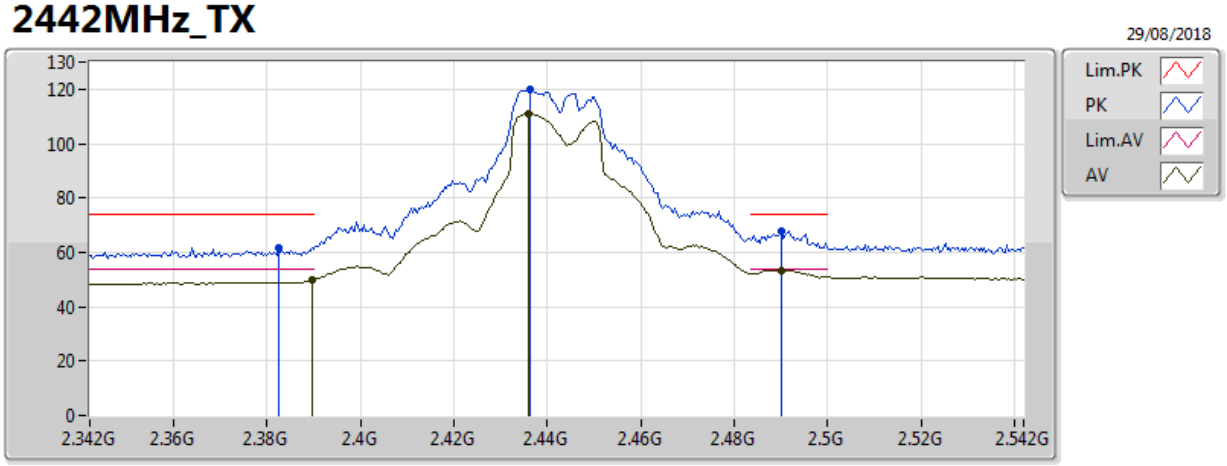
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8857G	28.21	54.00	-25.79	2.28	3	Horizontal	154	2.06	-
PK	4.87292G	41.74	74.00	-32.26	2.25	3	Horizontal	154	2.06	-

802.11n HT20_Nss1,(MCS0)_2TX

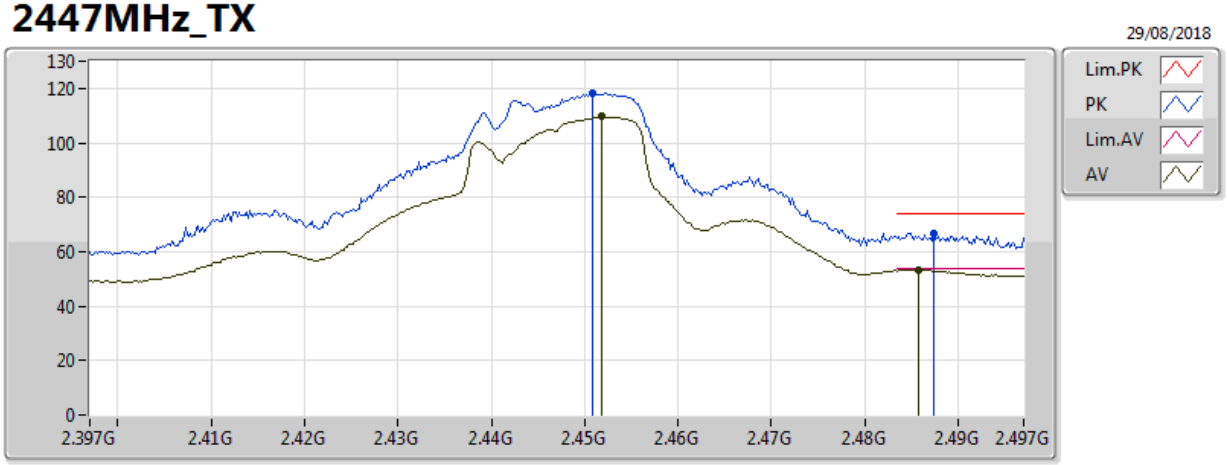
2442MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	49.89	54.00	-4.11	32.28	3	Vertical	330	1.50	-
AV	2.436G	110.85	Inf	-Inf	32.44	3	Vertical	330	1.50	-
AV	2.49G	53.51	54.00	-0.49	32.64	3	Vertical	330	1.50	-
PK	2.3824G	61.80	74.00	-12.20	32.25	3	Vertical	330	1.50	-
PK	2.4364G	120.05	Inf	-Inf	32.44	3	Vertical	330	1.50	-
PK	2.49G	67.77	74.00	-6.23	32.64	3	Vertical	330	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

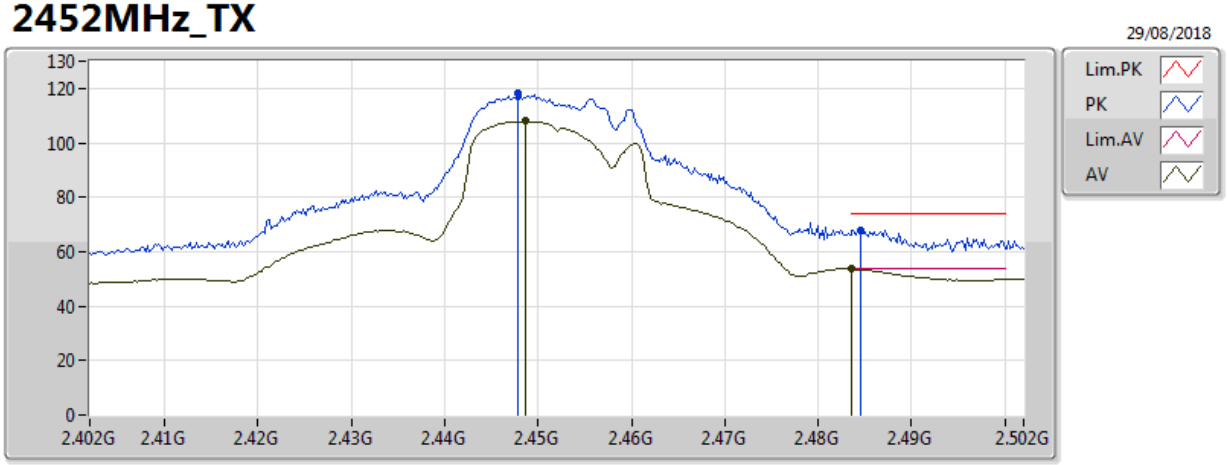
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4518G	109.56	Inf	-Inf	32.50	3	Vertical	212	1.50	-
AV	2.4858G	53.19	54.00	-0.81	32.62	3	Vertical	212	1.50	-
PK	2.4508G	118.19	Inf	-Inf	32.49	3	Vertical	212	1.50	-
PK	2.4874G	66.83	74.00	-7.17	32.62	3	Vertical	212	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

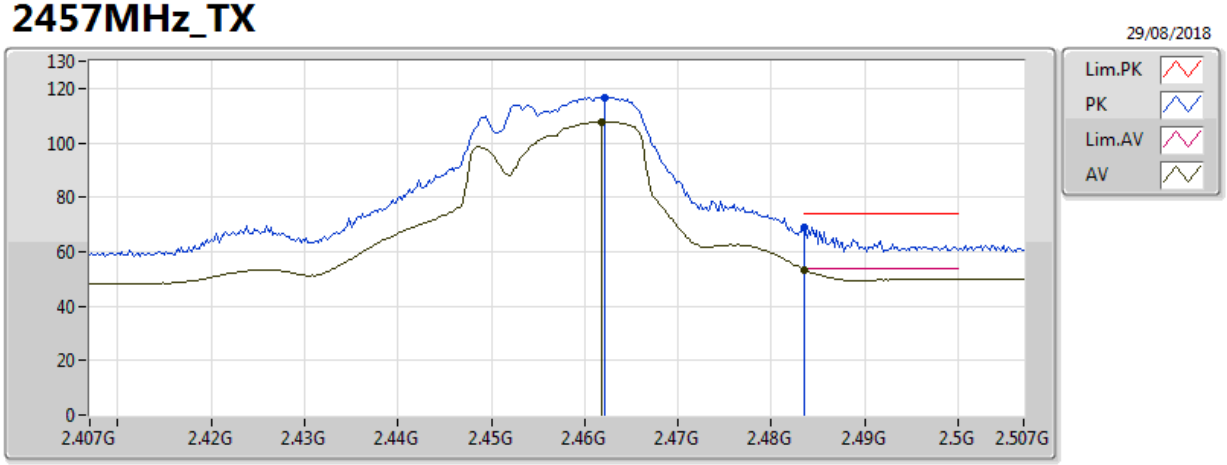
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4486G	107.88	Inf	-Inf	32.48	3	Vertical	294	1.50	-
AV	2.483502G	53.75	54.00	-0.25	32.61	3	Vertical	294	1.50	-
PK	2.4478G	117.97	Inf	-Inf	32.48	3	Vertical	294	1.50	-
PK	2.4846G	68.03	74.00	-5.97	32.61	3	Vertical	294	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

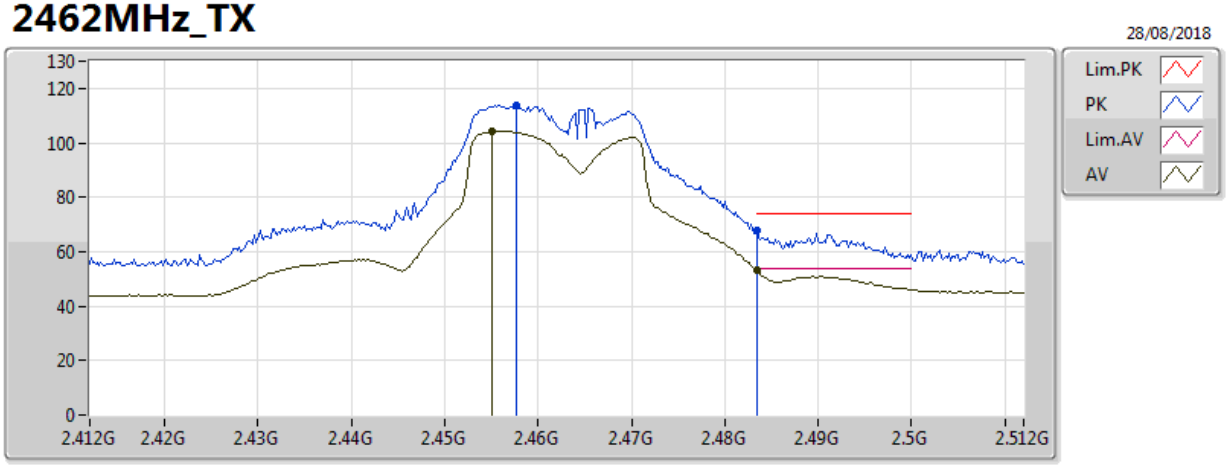
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4618G	107.78	Inf	-Inf	32.53	3	Vertical	212	1.50	-
AV	2.483502G	53.46	54.00	-0.54	32.61	3	Vertical	212	1.50	-
PK	2.4622G	116.83	Inf	-Inf	32.53	3	Vertical	212	1.50	-
PK	2.483502G	68.92	74.00	-5.08	32.61	3	Vertical	212	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

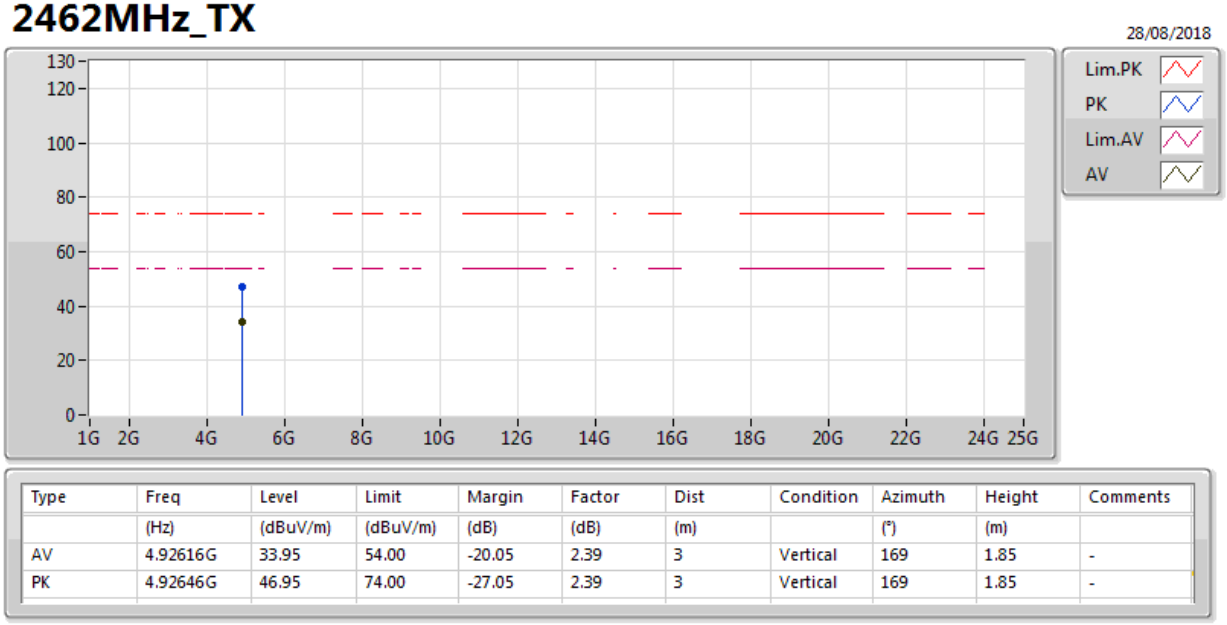
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.455G	104.37	Inf	-Inf	31.01	3	Vertical	95	1.04	-
AV	2.483502G	53.18	54.00	-0.82	31.11	3	Vertical	95	1.04	-
PK	2.4576G	113.54	Inf	-Inf	31.02	3	Vertical	95	1.04	-
PK	2.483502G	67.79	74.00	-6.21	31.11	3	Vertical	95	1.04	-

802.11n HT20_Nss1,(MCS0)_2TX

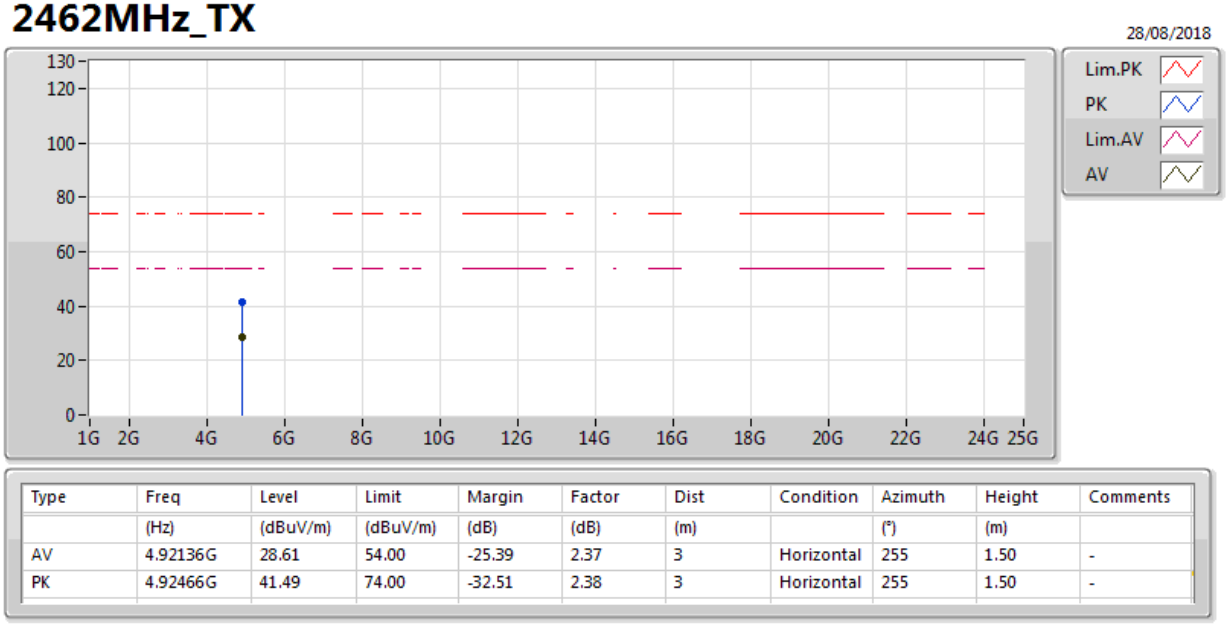
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92616G	33.95	54.00	-20.05	2.39	3	Vertical	169	1.85	-
PK	4.92646G	46.95	74.00	-27.05	2.39	3	Vertical	169	1.85	-

802.11n HT20_Nss1,(MCS0)_2TX

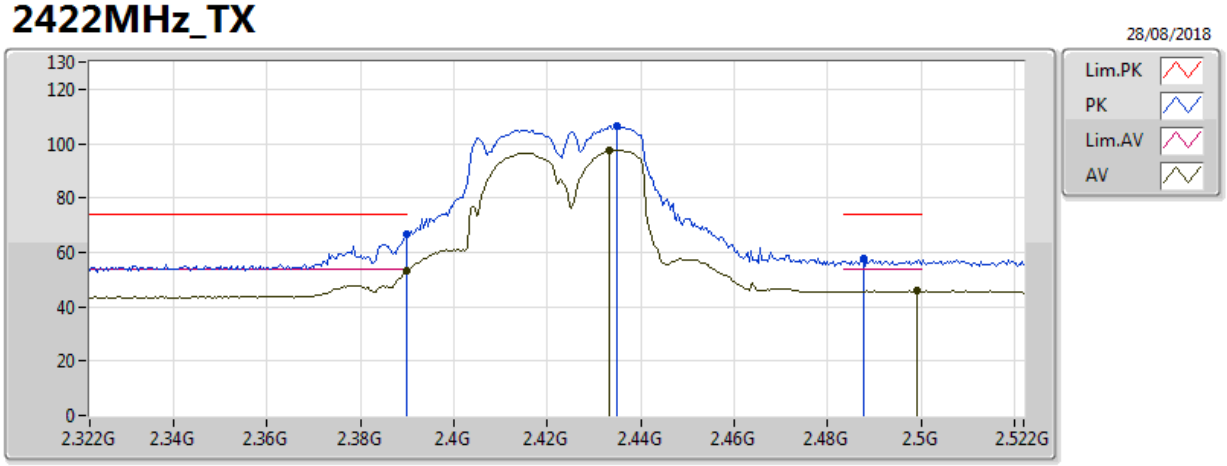
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92136G	28.61	54.00	-25.39	2.37	3	Horizontal	255	1.50	-
PK	4.92466G	41.49	74.00	-32.51	2.38	3	Horizontal	255	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

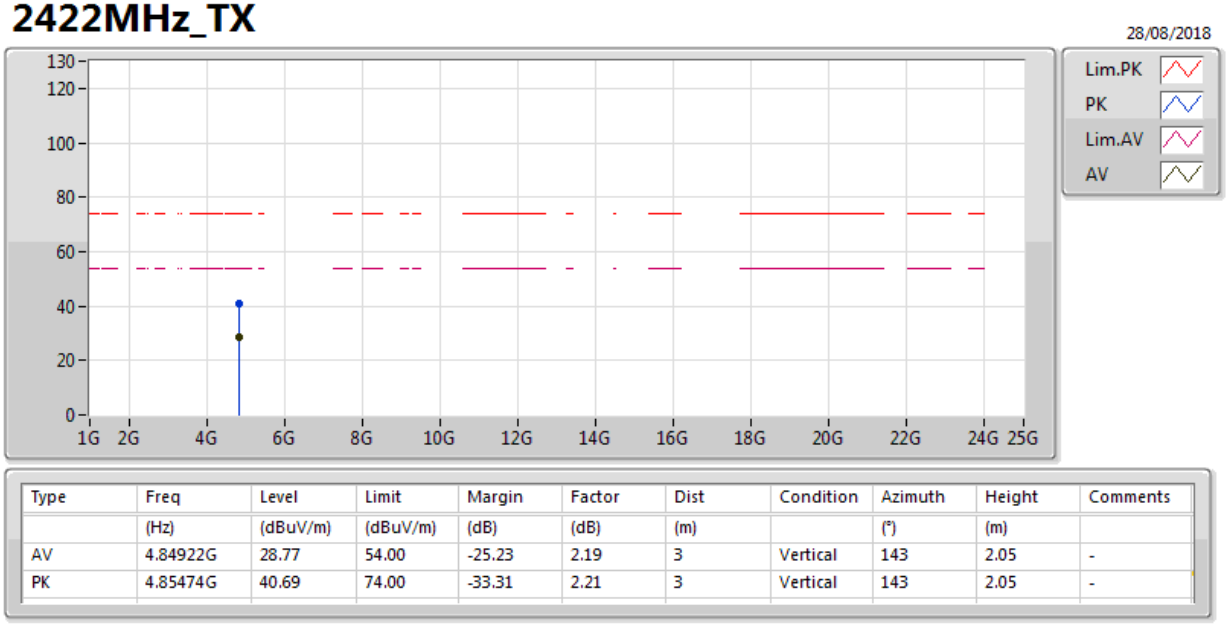
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.14	54.00	-0.86	30.77	3	Vertical	96	1.14	-
AV	2.4332G	97.69	Inf	-Inf	30.93	3	Vertical	96	1.14	-
AV	2.4992G	45.84	54.00	-8.16	31.17	3	Vertical	96	1.14	-
PK	2.389998G	66.47	74.00	-7.53	30.77	3	Vertical	96	1.14	-
PK	2.4348G	106.64	Inf	-Inf	30.94	3	Vertical	96	1.14	-
PK	2.4876G	57.58	74.00	-16.42	31.13	3	Vertical	96	1.14	-

802.11n HT40_Nss1,(MCS0)_2TX

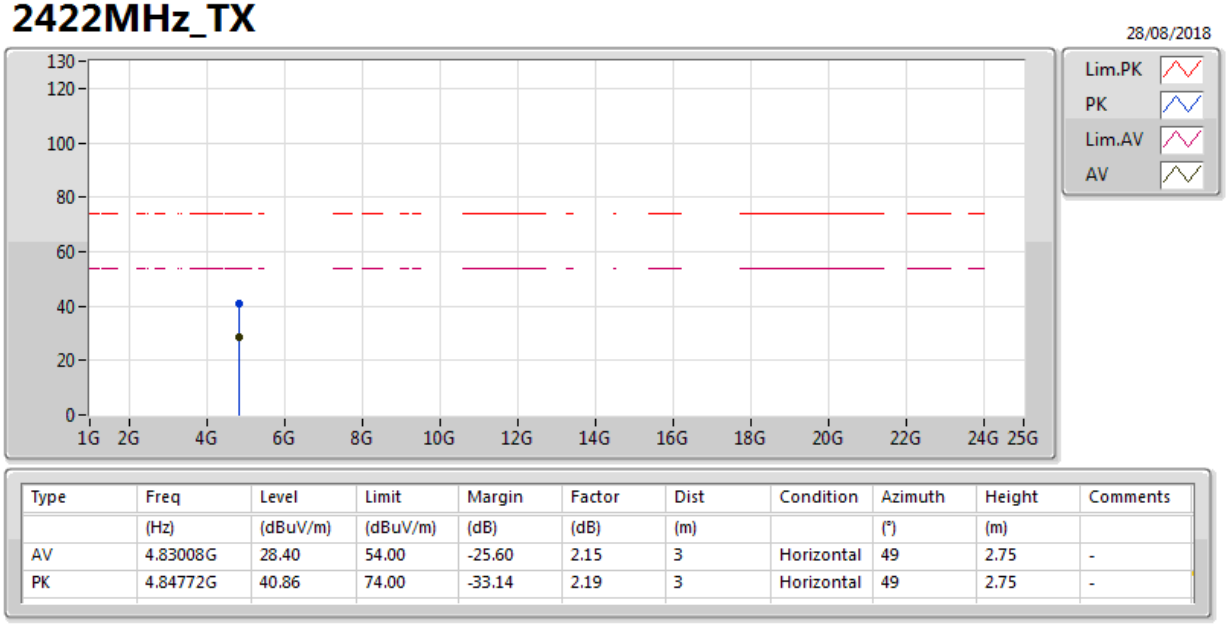
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.84922G	28.77	54.00	-25.23	2.19	3	Vertical	143	2.05	-
PK	4.85474G	40.69	74.00	-33.31	2.21	3	Vertical	143	2.05	-

802.11n HT40_Nss1,(MCS0)_2TX

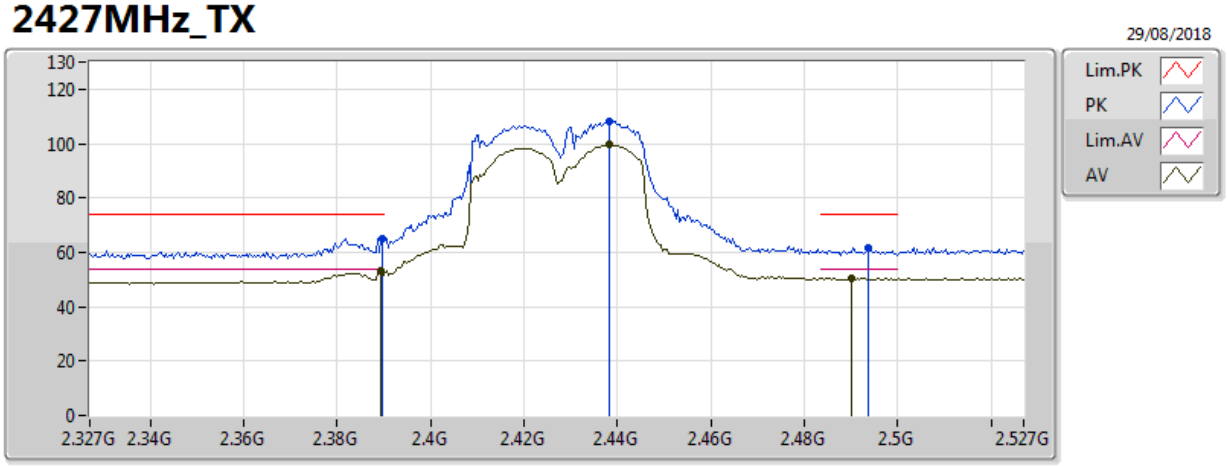
2422MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.83008G	28.40	54.00	-25.60	2.15	3	Horizontal	49	2.75	-
PK	4.84772G	40.86	74.00	-33.14	2.19	3	Horizontal	49	2.75	-

802.11n HT40_Nss1,(MCS0)_2TX

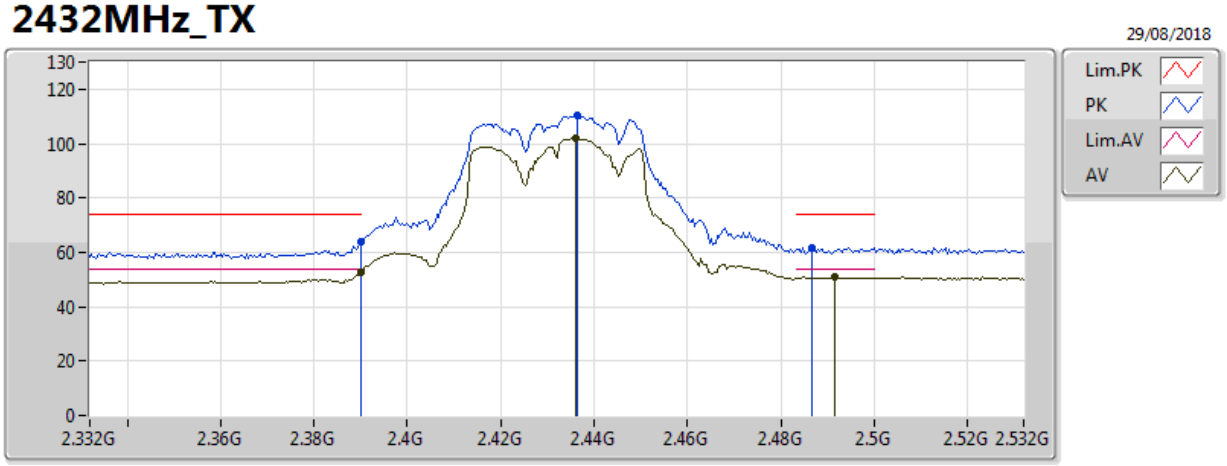
2427MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	53.14	54.00	-0.86	32.27	3	Vertical	88	1.50	-
AV	2.4382G	99.47	Inf	-Inf	32.45	3	Vertical	88	1.50	-
AV	2.4902G	50.41	54.00	-3.59	32.64	3	Vertical	88	1.50	-
PK	2.3898G	65.05	74.00	-8.95	32.28	3	Vertical	88	1.50	-
PK	2.4382G	107.97	Inf	-Inf	32.45	3	Vertical	88	1.50	-
PK	2.4938G	61.51	74.00	-12.49	32.65	3	Vertical	88	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

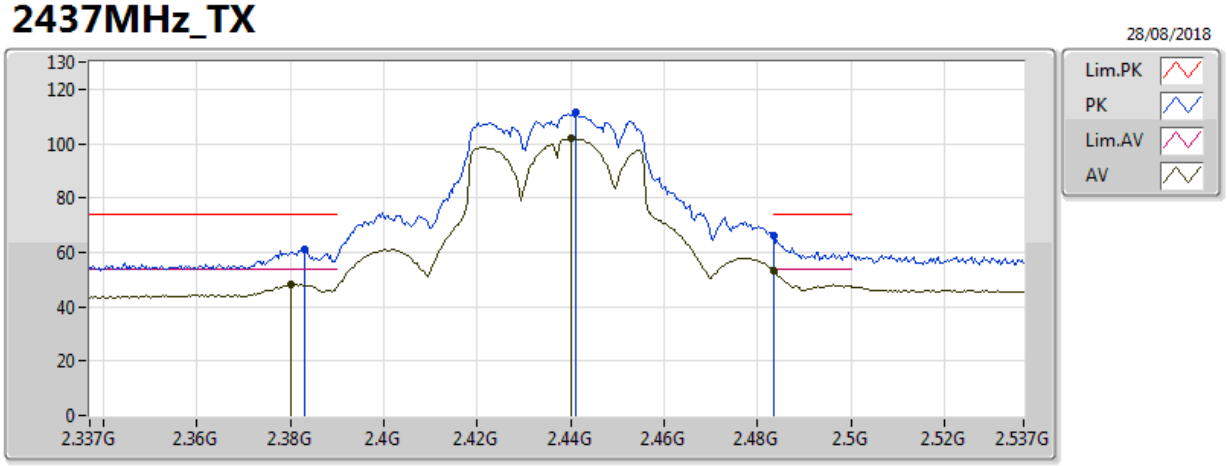
2432MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	52.73	54.00	-1.27	32.28	3	Vertical	331	1.50	-
AV	2.436G	102.01	Inf	-Inf	32.44	3	Vertical	331	1.50	-
AV	2.4916G	51.01	54.00	-2.99	32.64	3	Vertical	331	1.50	-
PK	2.389998G	64.00	74.00	-10.00	32.28	3	Vertical	331	1.50	-
PK	2.4364G	110.45	Inf	-Inf	32.44	3	Vertical	331	1.50	-
PK	2.4868G	61.75	74.00	-12.25	32.62	3	Vertical	331	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

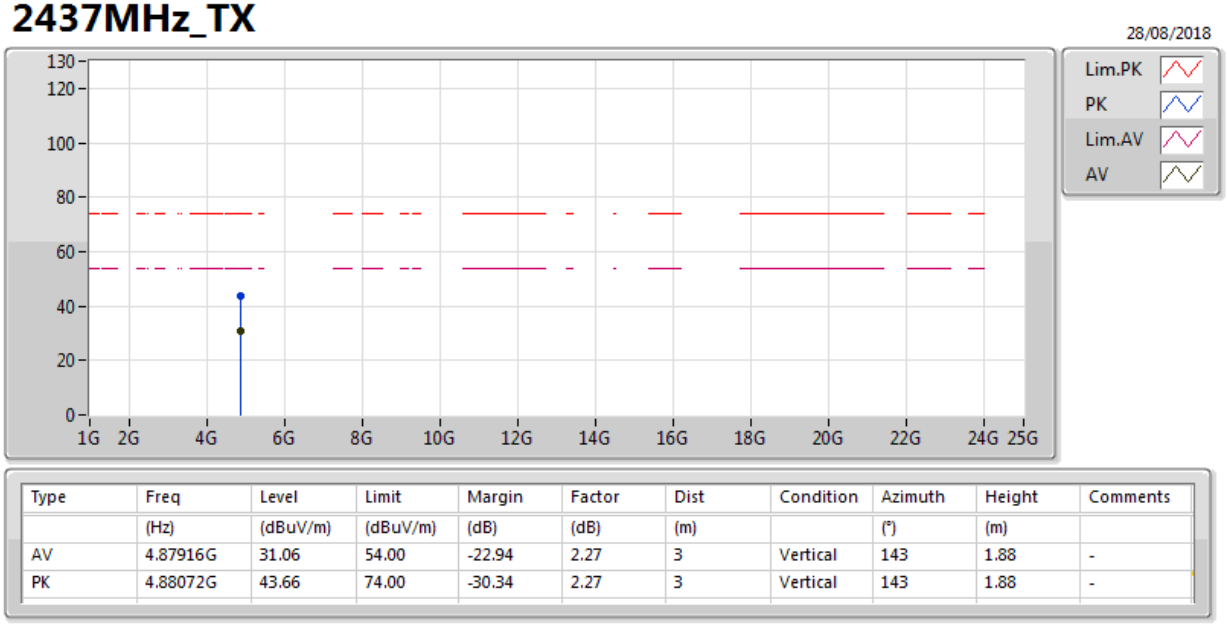
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3802G	48.40	54.00	-5.60	30.74	3	Vertical	95	1.16	-
AV	2.4402G	102.09	Inf	-Inf	30.95	3	Vertical	95	1.16	-
AV	2.483502G	53.24	54.00	-0.76	31.11	3	Vertical	95	1.16	-
PK	2.383G	61.25	74.00	-12.75	30.75	3	Vertical	95	1.16	-
PK	2.441G	111.27	Inf	-Inf	30.96	3	Vertical	95	1.16	-
PK	2.483502G	66.26	74.00	-7.74	31.11	3	Vertical	95	1.16	-

802.11n HT40_Nss1,(MCS0)_2TX

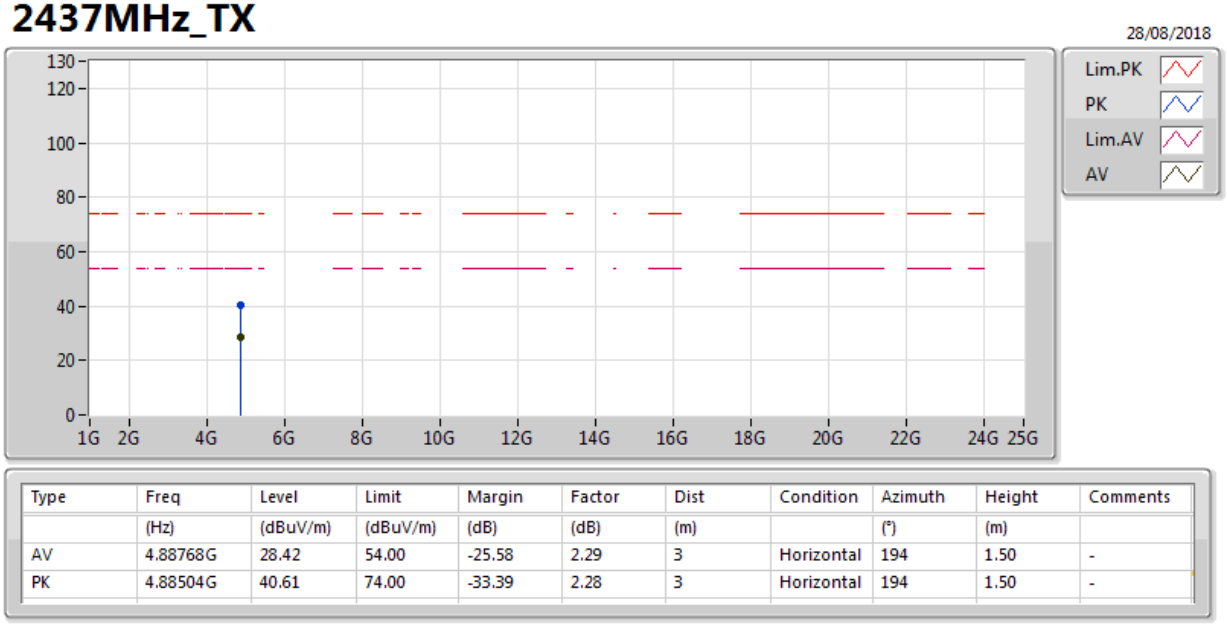
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87916G	31.06	54.00	-22.94	2.27	3	Vertical	143	1.88	-
PK	4.88072G	43.66	74.00	-30.34	2.27	3	Vertical	143	1.88	-

802.11n HT40_Nss1,(MCS0)_2TX

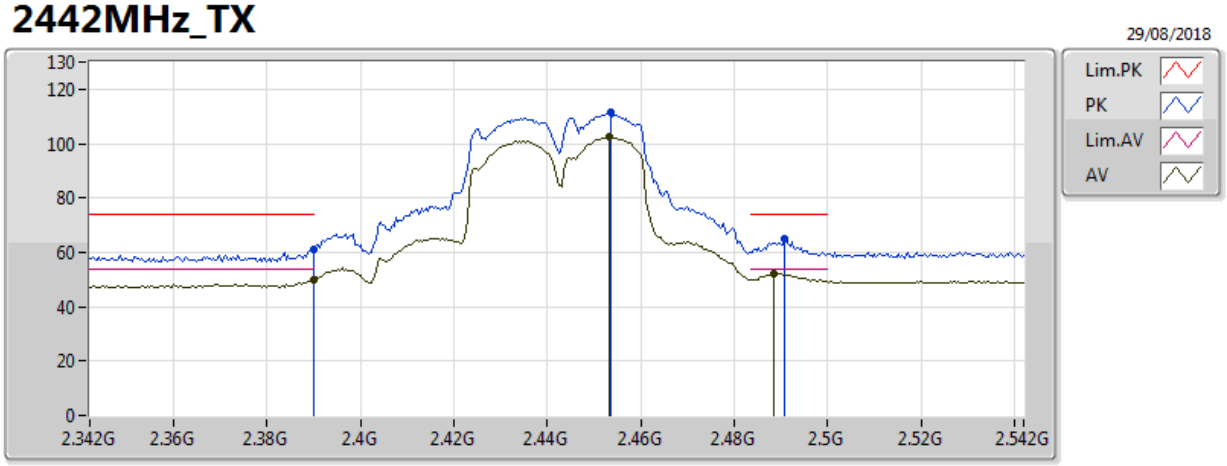
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88768G	28.42	54.00	-25.58	2.29	3	Horizontal	194	1.50	-
PK	4.88504G	40.61	74.00	-33.39	2.28	3	Horizontal	194	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

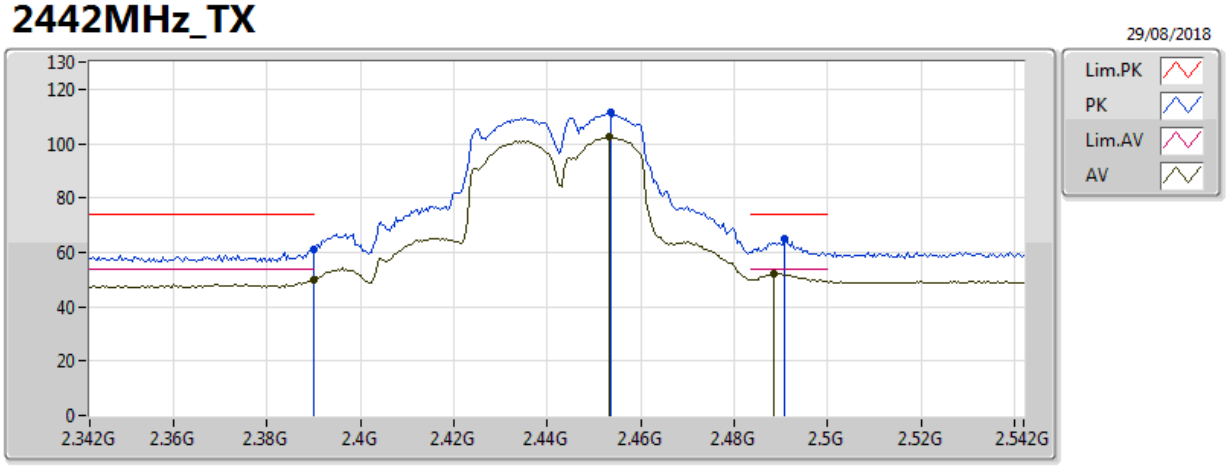
2442MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	50.00	54.00	-4.00	30.77	3	Vertical	162	1.50	-
AV	2.4532G	102.40	Inf	-Inf	31.00	3	Vertical	162	1.50	-
AV	2.4884G	52.00	54.00	-2.00	31.13	3	Vertical	162	1.50	-
PK	2.389998G	61.10	74.00	-12.90	30.77	3	Vertical	162	1.50	-
PK	2.4536G	111.47	Inf	-Inf	31.00	3	Vertical	162	1.50	-
PK	2.4908G	64.80	74.00	-9.20	31.13	3	Vertical	162	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

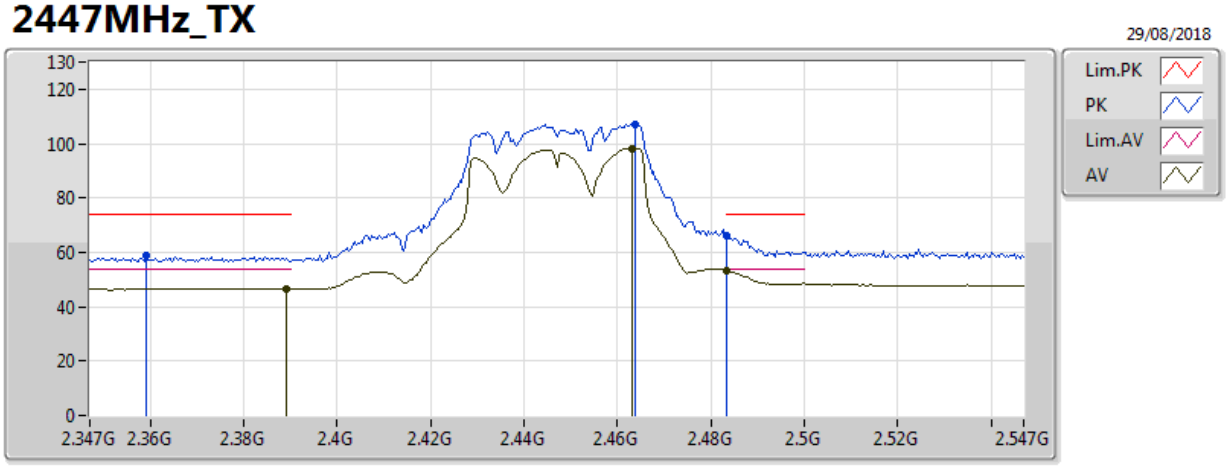
2442MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	50.00	54.00	-4.00	30.77	3	Vertical	162	1.50	-
AV	2.4532G	102.40	Inf	-Inf	31.00	3	Vertical	162	1.50	-
AV	2.4884G	52.00	54.00	-2.00	31.13	3	Vertical	162	1.50	-
PK	2.389998G	61.10	74.00	-12.90	30.77	3	Vertical	162	1.50	-
PK	2.4536G	111.47	Inf	-Inf	31.00	3	Vertical	162	1.50	-
PK	2.4908G	64.80	74.00	-9.20	31.13	3	Vertical	162	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

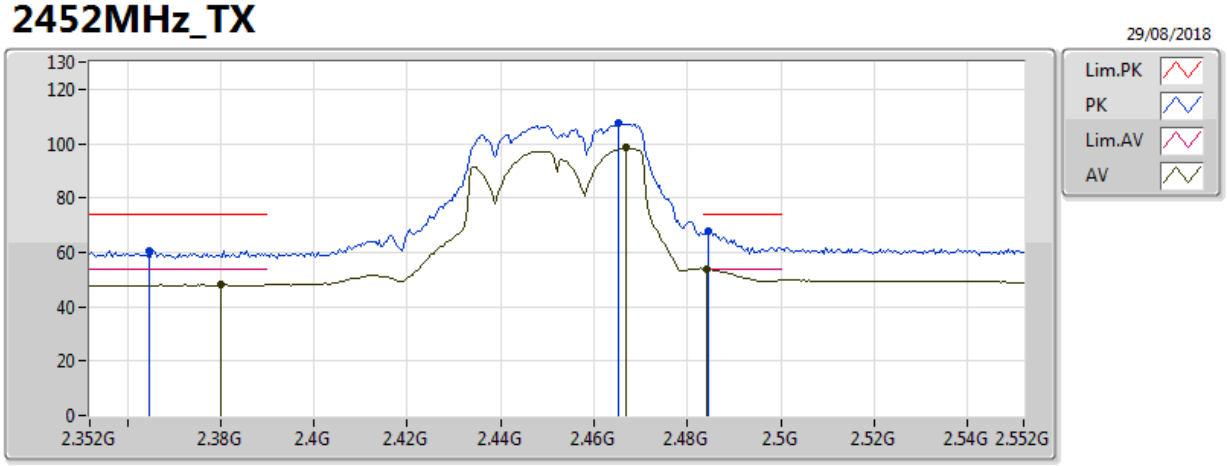
2447MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	46.64	54.00	-7.36	30.77	3	Vertical	307	1.50	-
AV	2.463G	98.28	Inf	-Inf	31.04	3	Vertical	307	1.50	-
AV	2.483502G	53.18	54.00	-0.82	31.11	3	Vertical	307	1.50	-
PK	2.359G	58.76	74.00	-15.24	30.67	3	Vertical	307	1.50	-
PK	2.4638G	107.12	Inf	-Inf	31.04	3	Vertical	307	1.50	-
PK	2.483502G	66.16	74.00	-7.84	31.11	3	Vertical	307	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

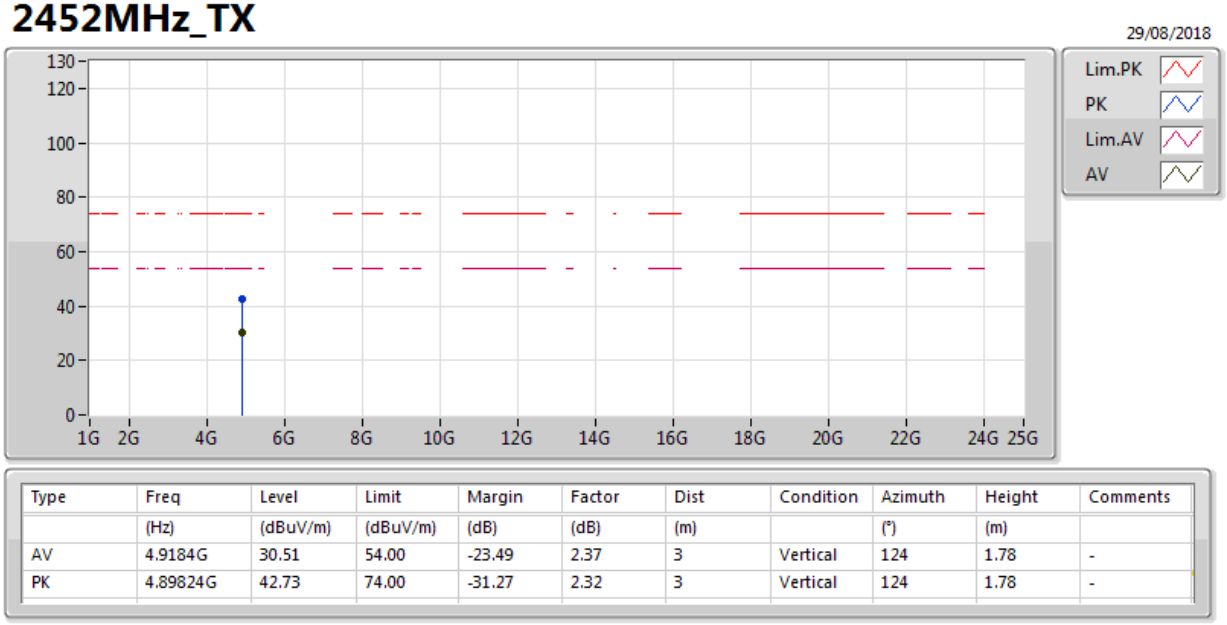
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.38G	48.10	54.00	-5.90	32.24	3	Vertical	295	1.50	-
AV	2.4668G	98.38	Inf	-Inf	32.55	3	Vertical	295	1.50	-
AV	2.484G	53.75	54.00	-0.25	32.61	3	Vertical	295	1.50	-
PK	2.3648G	60.55	74.00	-13.45	32.19	3	Vertical	295	1.50	-
PK	2.4652G	107.55	Inf	-Inf	32.54	3	Vertical	295	1.50	-
PK	2.4844G	67.86	74.00	-6.14	32.61	3	Vertical	295	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

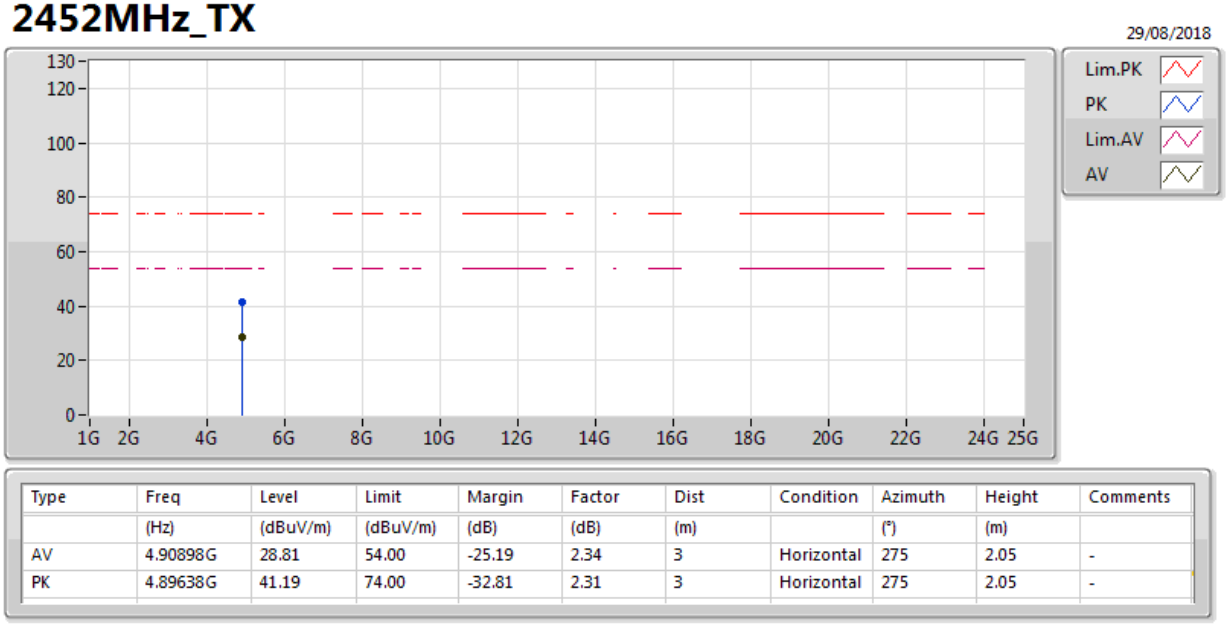
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9184G	30.51	54.00	-23.49	2.37	3	Vertical	124	1.78	-
PK	4.89824G	42.73	74.00	-31.27	2.32	3	Vertical	124	1.78	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

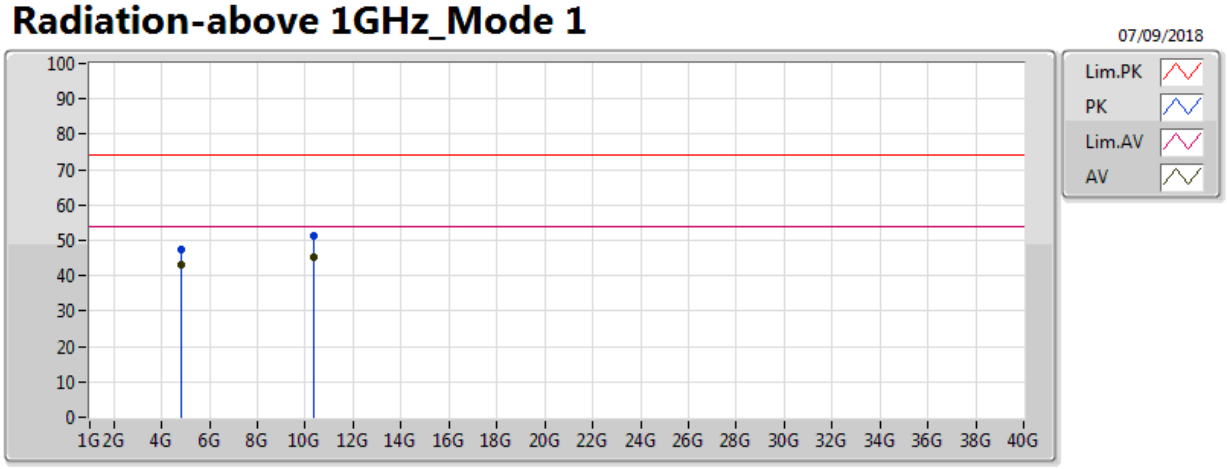


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.90898G	28.81	54.00	-25.19	2.34	3	Horizontal	275	2.05	-
PK	4.89638G	41.19	74.00	-32.81	2.31	3	Horizontal	275	2.05	-

Summary

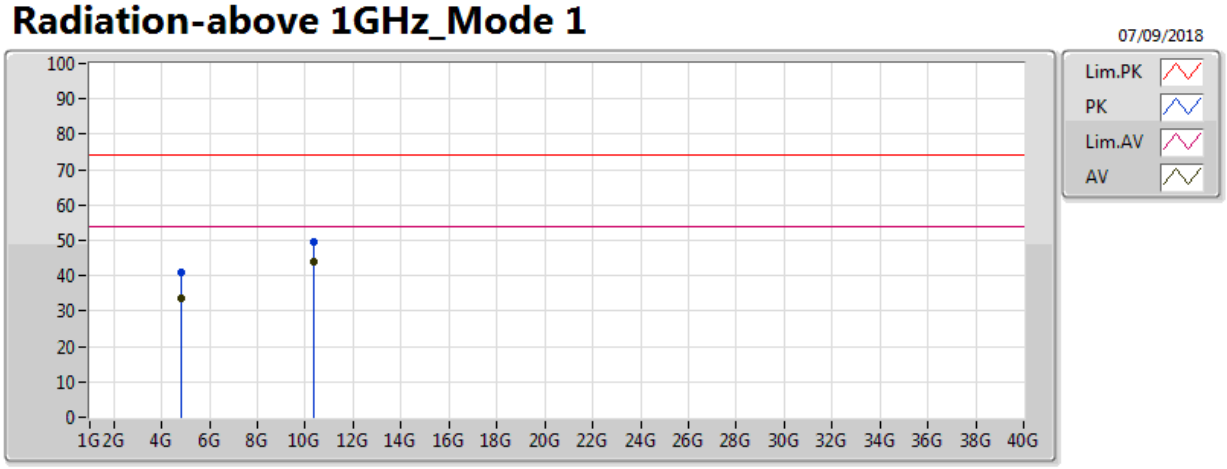
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.824G	48.02	54.00	-5.98	2.13	3	Vertical	244	1.50	-

Radiation-above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	42.98	54.00	-11.02	2.13	3	Vertical	154	1.67	-
AV	10.36549G	45.24	54.00	-8.76	12.65	3	Vertical	212	1.21	-
PK	4.82406G	47.60	74.00	-26.40	2.13	3	Vertical	154	1.67	-
PK	10.37126G	51.15	74.00	-22.85	12.66	3	Vertical	212	1.21	-

Radiation-above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	33.73	54.00	-20.27	2.09	3	Horizontal	345	1.89	-
AV	10.36878G	43.86	54.00	-10.14	12.65	3	Horizontal	79	2.31	-
PK	4.82406G	40.84	74.00	-33.16	2.09	3	Horizontal	345	1.89	-
PK	10.36432G	49.77	74.00	-24.23	12.64	3	Horizontal	79	2.31	-