FCC Test Report

FCC ID	:	**2AKWYXBP202**
Equipment	:	**Digital Transmission System**
Brand Name	:	**DynaScan Technology Corp.**
Model Name	:	**XBP202**
Applicant	:	**DYNASCAN TECHNOLOGY CORP. 7F, 66 Huaya 1st Road, Guishan Taoyuan 33383,Taiwan**
Manufacturer	:	**DYNASCAN TECHNOLOGY CORP. 7F, 66 Huaya 1st Road, Guishan Taoyuan 33383,Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Aug. 20, 2018, and testing was started from Aug. 20, 2018 and completed on Sep. 18, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR890650AC	01	Initial issue of report	Oct. 03, 2018
FR890650AC	02	Update Host Model	Oct. 16, 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: Jackson Tsai

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]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	**1**	PSA	-	PCB antenna	i-Pex	-0.29

For 2.4GHz function:

For IEEE 802.11 b/g/n mode (1TX/1RX)

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Switching 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:	DynaScan
	Host System - Model No.:	DI551ST2, DI551ST2-1, DP551ST2, DP551ST2-1
☐	Other:	

Note. All the host system models are identical, the difference model for difference brand served as marketing strategy.

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.997	0.013	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.973	0.119	1.4m	1k
802.11n HT20	0.971	0.128	1.313m	1k

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR882303AC

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Change Host System	Radiated Spurious Emission was evaluated

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

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	Andy	24.5°C / 64.5%	23/Aug/2018
Radiated	03CH03-HY	Justin	20°C / 60%	18/Sep/2018
AC Conduction	CO01-HY	Terry	23.2°C / 59%	27/Aug/2018

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	RFTestTool

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	80
2437MHz	80
2452MHz	80
2457MHz	72
2462MHz	72
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	70
2437MHz	80
2457MHz	80
2462MHz	68
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	69
2437MHz	80
2457MHz	80
2462MHz	66

2.3 The Worst Case Measurement Configuration

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

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

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

2.4 Accessories

Accessories				
Remote Control	**Brand Name**	DynaScan	**Model Name**	RC-21A
Power Cord	1.8 meter, non-shielded cable, w/o ferrite core			

Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

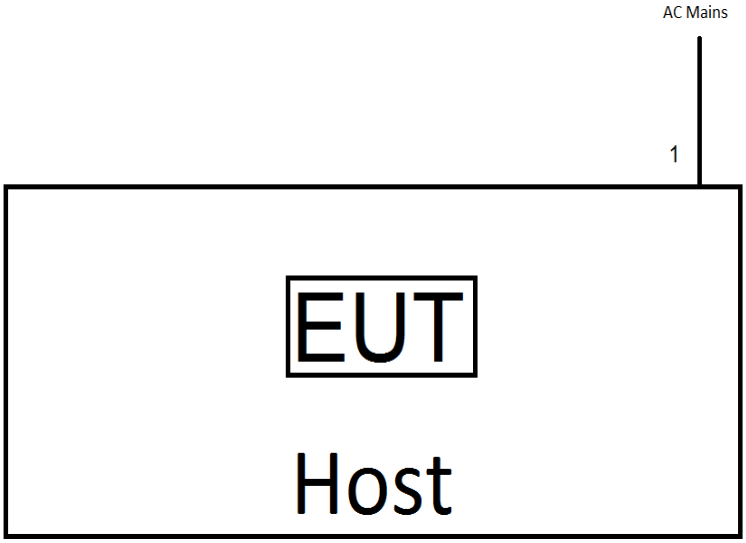
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Power Source	GW	APS-9102	-

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Host	DynaScan	DI100ST2	-

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Host	DynaScan	DI100ST2	-

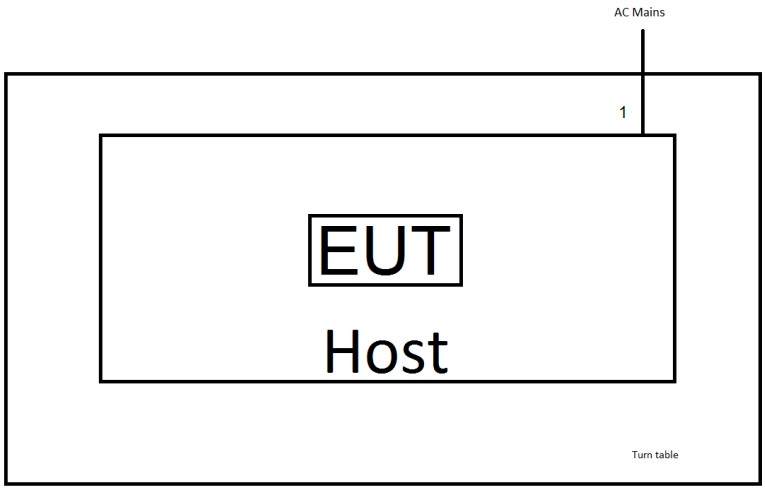
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8 m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8 m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

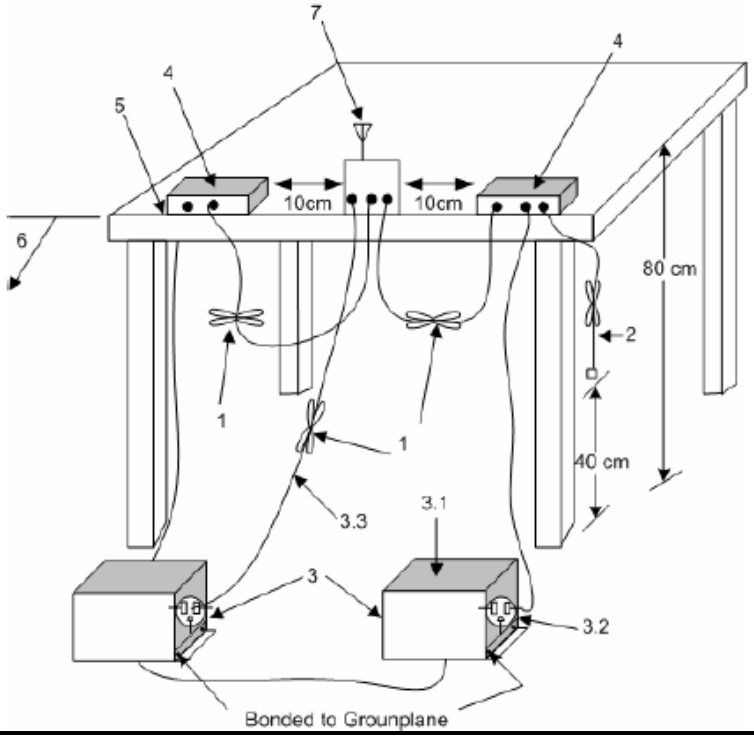
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

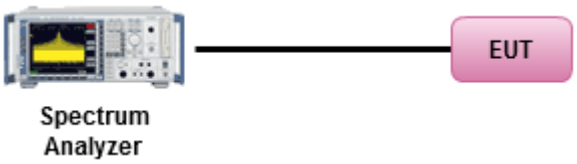
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 558074. clause 8.2 (11.9.2.2 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit			
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)		
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm		
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm		
	▪ Smart antenna system (SAS):		
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)		
	▪ Point-to-point systems (P2P): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ dBm	
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.			

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 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 C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

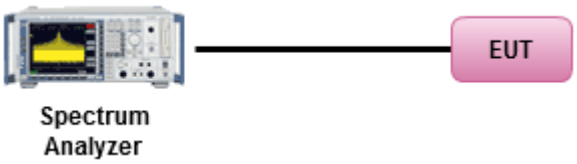
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as KDB 558074, clause 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 D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

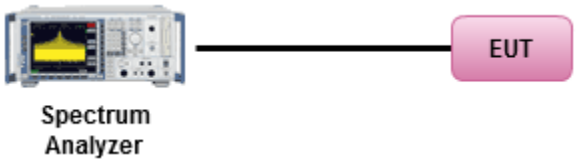
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as KDB 558074, clause 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 E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

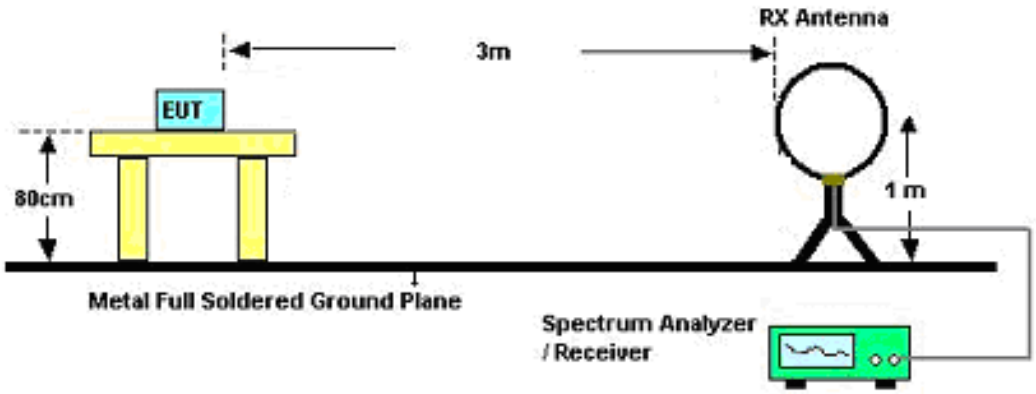
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

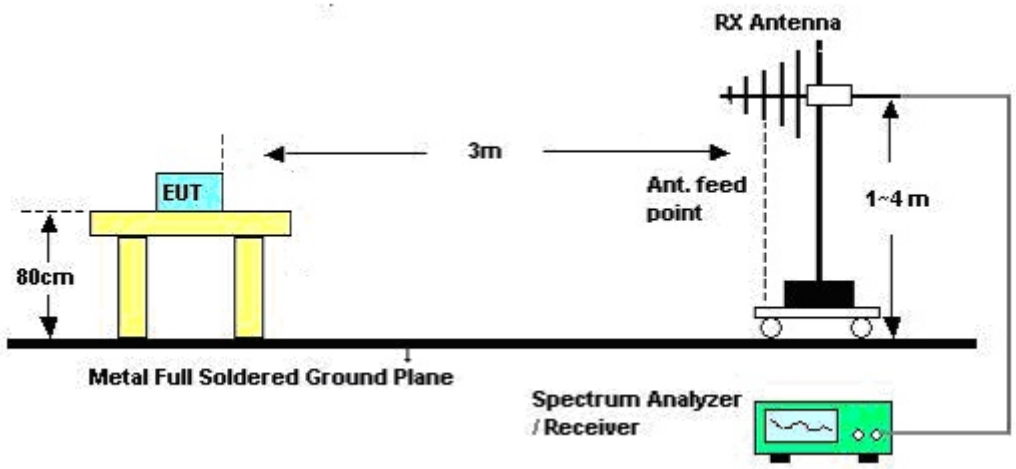
Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as KDB 558074, clause 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

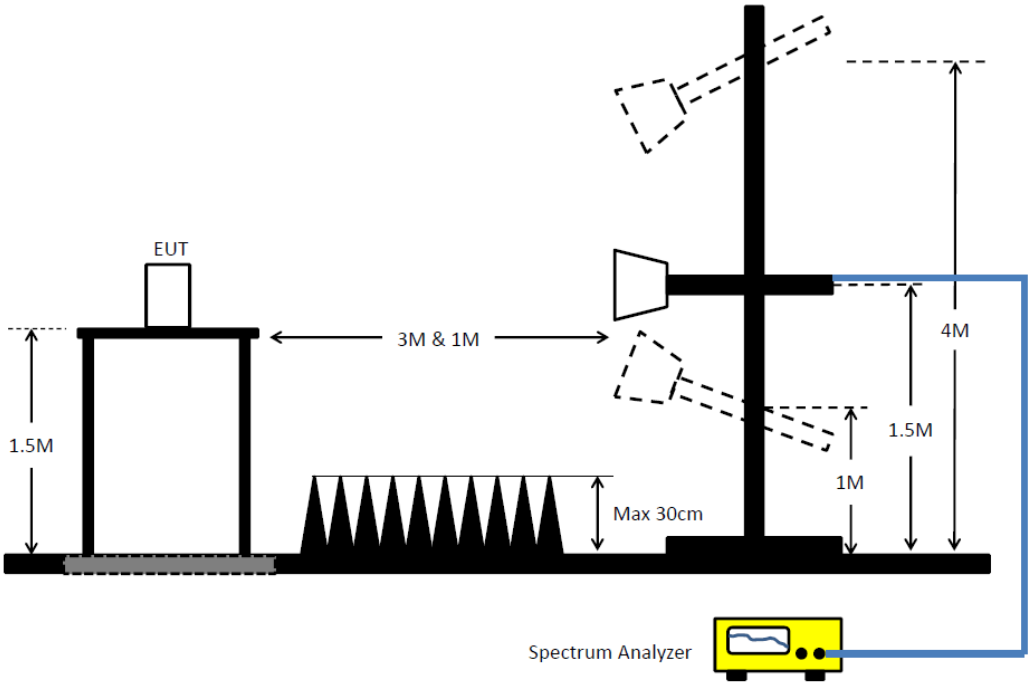
Emissions in Restricted Frequency Bands
9kHz ~30MHz



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 F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	12/Jun/2018	11/Jun/2019
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	31/Oct/2017	30/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	01/Nov/2017	31/Oct/2018
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	19/Apr/2019
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2017	04/Sep/2018
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	29/Jan/2018	28/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX 106	CB222	1GHz ~ 40GHz	29/Jan/2018	28/Jan/2019
Bilog Antenna & 5db Attenuator	SCHAFFNER/MTJ	CBL6112D / MTJ6102-05	2678 / 001	30MHz ~ 2GHz	07/Jul/2018	06/Jul/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/ 2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Preamplifier	MITEQ	TTA1840-35-H G	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019

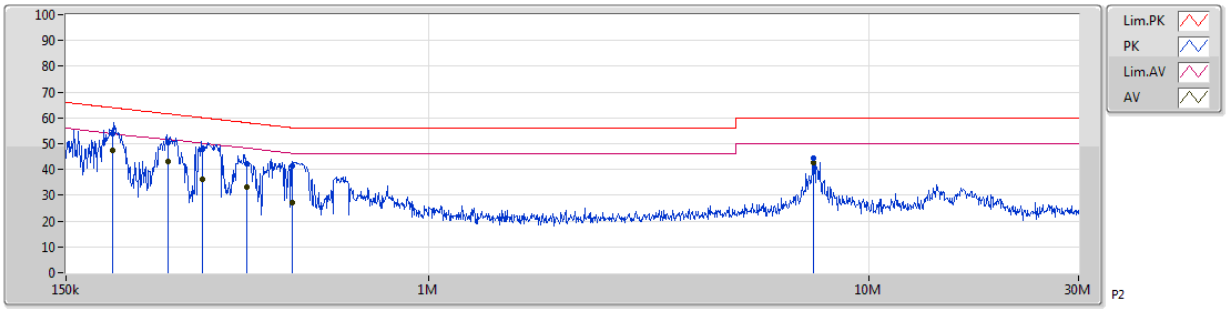
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	ROHDE& SCHWARZ	FSP 40	100305	9kHz~40GHz	04/Jan/2018	03/Jan/2019
Temp. and Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA1311-008	-40 ~ 100℃	30/May/2018	29/May/2019
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	06/Nov/2017	05/Nov/2018
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	06/Nov/2017	05/Nov/2018
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	MY37334/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	26/Jan/2018	25/Jan/2019
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	26/Jul/2018	25/Jul/2019

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

Conduction_Mode 1

27/08/2018



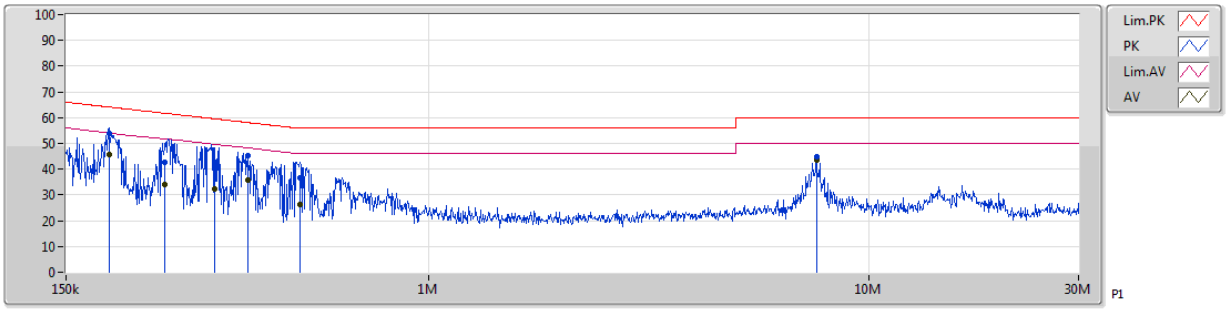
Type	Freq	Level	Limit	Margin	Factor	Condition	Comments	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	191.824k	54.03	63.95	-9.92	19.60	Neutral	-	34.43	9.64	0.10	9.86
AV	191.824k	47.20	53.95	-6.75	19.60	Neutral	"Worst"	27.60	9.64	0.10	9.86
QP	255.763k	50.28	61.56	-11.28	19.60	Neutral	-	30.68	9.64	0.10	9.86
AV	255.763k	42.99	51.56	-8.57	19.60	Neutral	-	23.39	9.64	0.10	9.86
QP	306.763k	47.73	60.05	-12.32	19.61	Neutral	-	28.12	9.64	0.11	9.86
AV	306.763k	36.24	50.05	-13.81	19.61	Neutral	-	16.63	9.64	0.11	9.86
QP	385.893k	42.38	58.16	-15.78	19.61	Neutral	-	22.77	9.64	0.11	9.86
AV	385.893k	33.26	48.16	-14.90	19.61	Neutral	-	13.65	9.64	0.11	9.86
QP	489.857k	41.58	56.17	-14.59	19.61	Neutral	-	21.97	9.64	0.11	9.86
AV	489.857k	27.07	46.17	-19.10	19.61	Neutral	-	7.46	9.64	0.11	9.86
QP	7.475M	44.33	60.00	-15.67	19.75	Neutral	-	24.58	9.69	0.17	9.89
AV	7.475M	42.76	50.00	-7.24	19.75	Neutral	-	23.01	9.69	0.17	9.89

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

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

Conduction_Mode 1

27/08/2018



Type	Freq	Level	Limit	Margin	Factor	Condition	Comments	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	188.077k	53.89	64.13	-10.24	19.57	Line	-	34.32	9.61	0.10	9.86
AV	188.077k	45.55	54.13	-8.58	19.57	Line	-	25.98	9.61	0.10	9.86
QP	251.21k	42.62	61.72	-19.10	19.57	Line	-	23.05	9.61	0.10	9.86
AV	251.21k	33.99	51.72	-17.73	19.57	Line	-	14.42	9.61	0.10	9.86
QP	327.327k	42.71	59.52	-16.81	19.58	Line	-	23.13	9.61	0.11	9.86
AV	327.327k	32.41	49.52	-17.11	19.58	Line	-	12.83	9.61	0.11	9.86
QP	388.639k	45.30	58.08	-12.78	19.58	Line	-	25.72	9.61	0.11	9.86
AV	388.639k	35.66	48.08	-12.42	19.58	Line	-	16.08	9.61	0.11	9.86
QP	511.806k	36.66	56.00	-19.34	19.58	Line	-	17.08	9.61	0.11	9.86
AV	511.806k	26.28	46.00	-19.72	19.58	Line	-	6.70	9.61	0.11	9.86
QP	7.609M	44.91	60.00	-15.09	19.71	Line	-	25.20	9.65	0.17	9.89
AV	7.609M	43.49	50.00	-6.51	19.71	Line	"Worst"	23.78	9.65	0.17	9.89

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	10.05M	15.267M	15M3G1D	9.025M	14.068M
802.11g_Nss1,(6Mbps)_1TX	15.1M	16.692M	16M7D1D	14.925M	16.392M
802.11n HT20_Nss1,(MCS0)_1TX	15.025M	17.716M	17M7D1D	14.975M	17.491M

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;

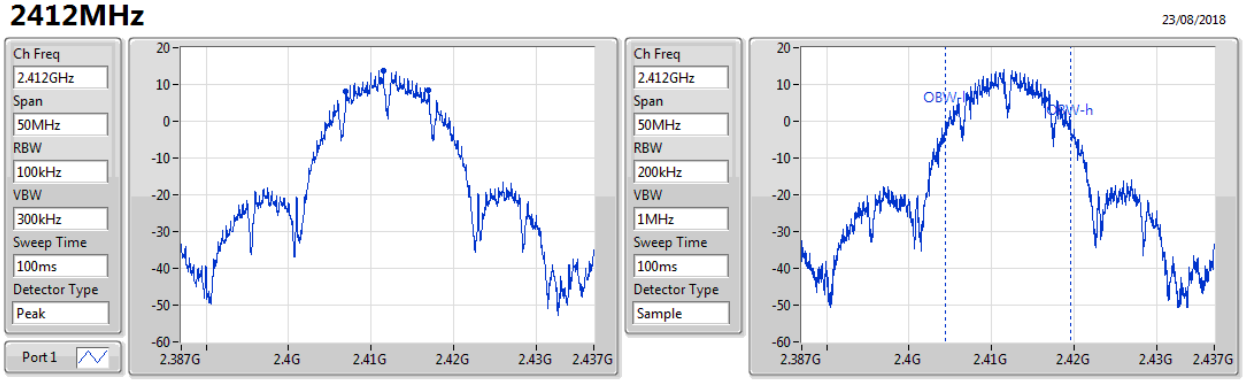
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	10.025M	15.217M
2437MHz_TnomVnom	Pass	500k	10.05M	15.267M
2462MHz_TnomVnom	Pass	500k	9.025M	14.068M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	15.1M	16.442M
2437MHz_TnomVnom	Pass	500k	14.925M	16.692M
2462MHz_TnomVnom	Pass	500k	15.025M	16.392M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	14.975M	17.566M
2437MHz_TnomVnom	Pass	500k	15M	17.716M
2462MHz_TnomVnom	Pass	500k	15.025M	17.491M

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

802.11b_Nss1,(1Mbps)_1TX EBW

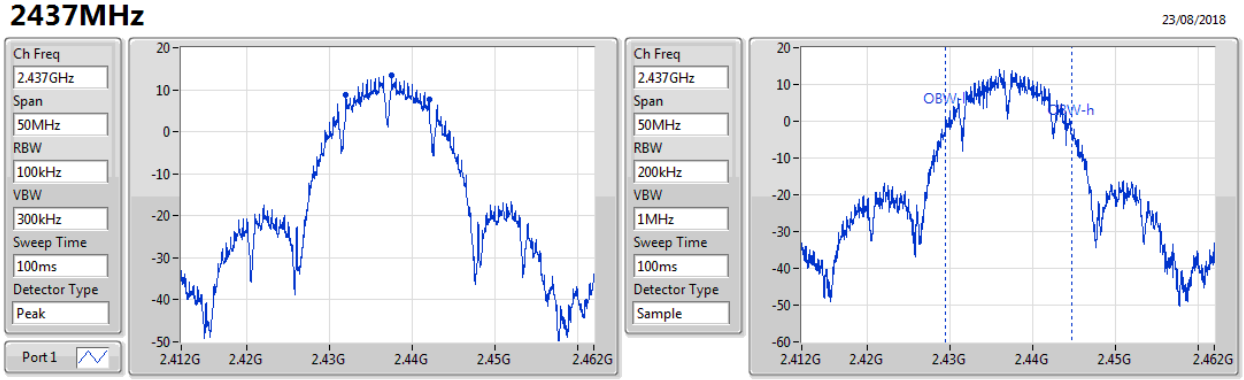
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.406975G	2.417G	15.217M	2.404429G	2.419646G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

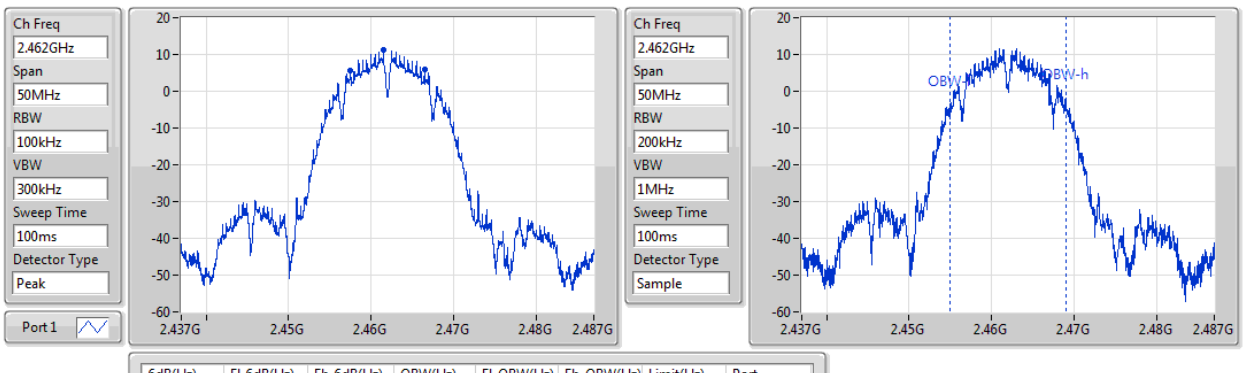
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.431975G	2.442025G	15.267M	2.429404G	2.444671G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

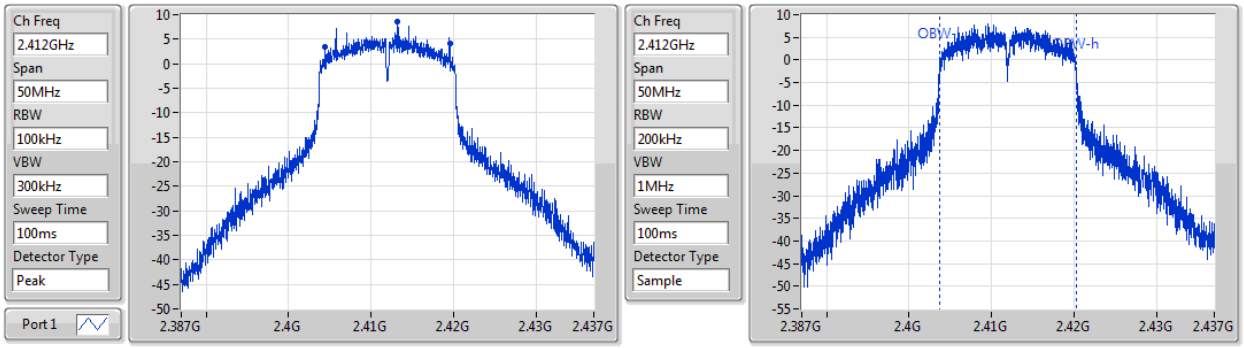


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.457475G	2.4665G	14.068M	2.454954G	2.469021G	500k	1

802.11g_Nss1,(6Mbps)_1TX **EBW**

2412MHz

23/08/2018

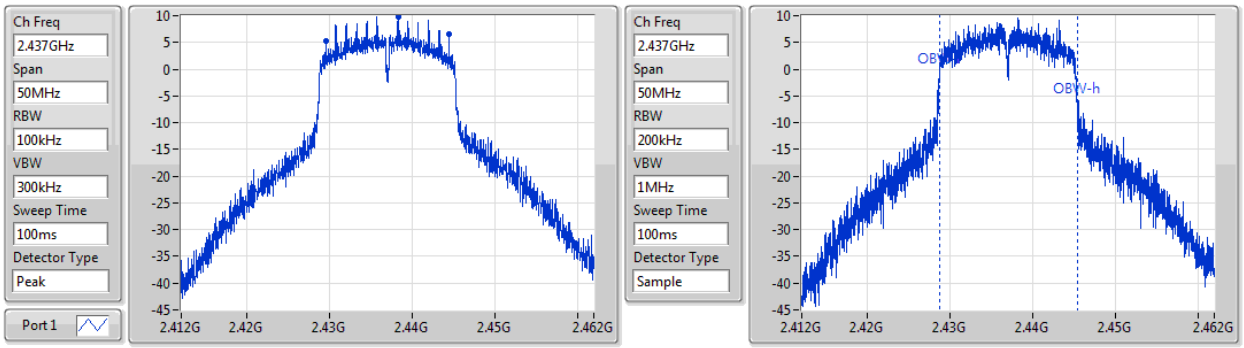


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.40445G	2.41955G	16.442M	2.403779G	2.420221G	500k	1

802.11g_Nss1,(6Mbps)_1TX **EBW**

2437MHz

23/08/2018

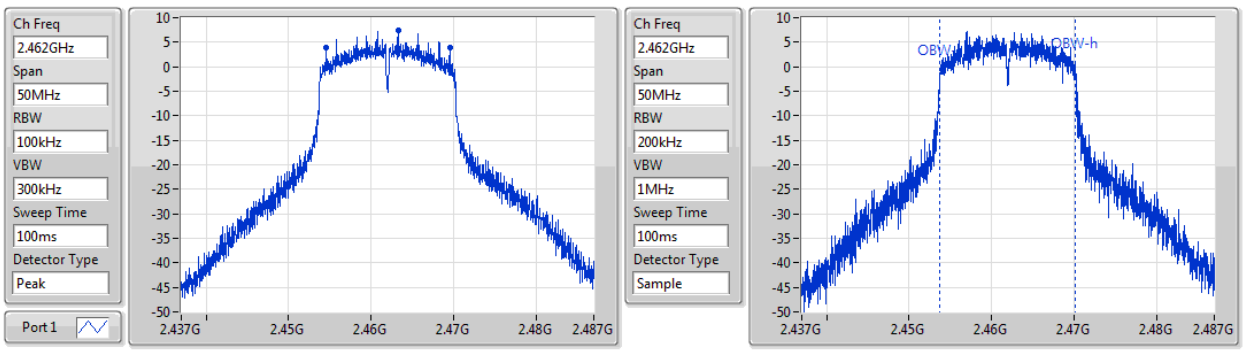


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.925M	2.42955G	2.444475G	16.692M	2.428679G	2.445371G	500k	1

802.11g_Nss1,(6Mbps)_1TX **EBW**

2462MHz

23/08/2018



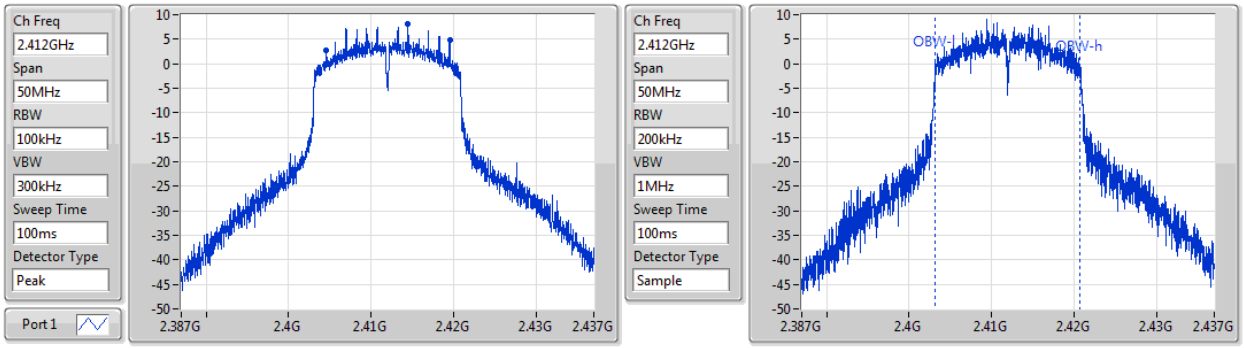
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.454525G	2.46955G	16.392M	2.453779G	2.470171G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2412MHz

23/08/2018



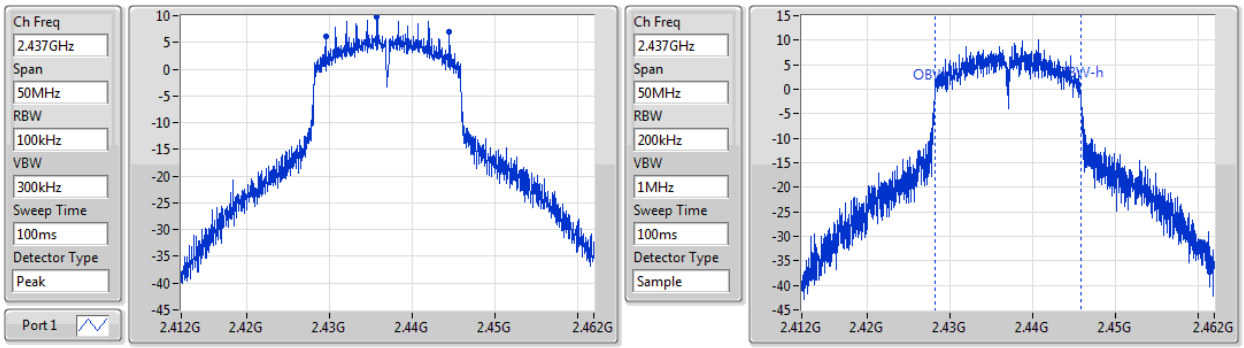
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.40455G	2.419525G	17.566M	2.403204G	2.420771G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

23/08/2018



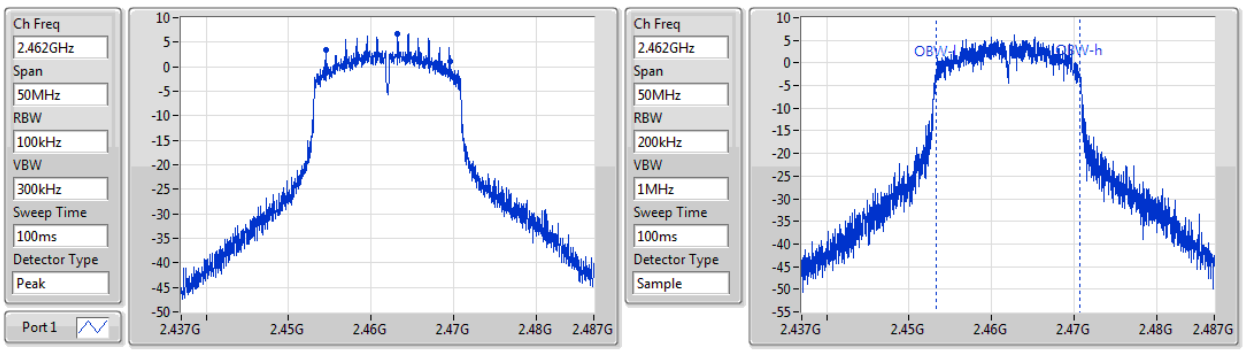
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4295G	2.4445G	17.716M	2.428154G	2.445871G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2462MHz

23/08/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.4545G	2.469525G	17.491M	2.453229G	2.470721G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.12	0.20512
802.11g_Nss1,(6Mbps)_1TX	20.51	0.11246
802.11n HT20_Nss1,(MCS0)_1TX	20.55	0.11350

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	-0.29	22.84	22.84	30.00
2437MHz_TnomVnom	Pass	-0.29	22.85	22.85	30.00
2452MHz_TnomVnom	Pass	-0.29	23.12	23.12	30.00
2457MHz_TnomVnom	Pass	-0.29	20.39	20.39	30.00
2462MHz_TnomVnom	Pass	-0.29	20.12	20.12	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	-0.29	19.14	19.14	30.00
2437MHz_TnomVnom	Pass	-0.29	20.11	20.11	30.00
2457MHz_TnomVnom	Pass	-0.29	20.51	20.51	30.00
2462MHz_TnomVnom	Pass	-0.29	18.12	18.12	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	-0.29	18.56	18.56	30.00
2437MHz_TnomVnom	Pass	-0.29	20.31	20.31	30.00
2457MHz_TnomVnom	Pass	-0.29	20.55	20.55	30.00
2462MHz_TnomVnom	Pass	-0.29	17.49	17.49	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	0.96
802.11g_Nss1,(6Mbps)_1TX	-5.31
802.11n HT20_Nss1,(MCS0)_1TX	-5.89

RBW=3kHz.

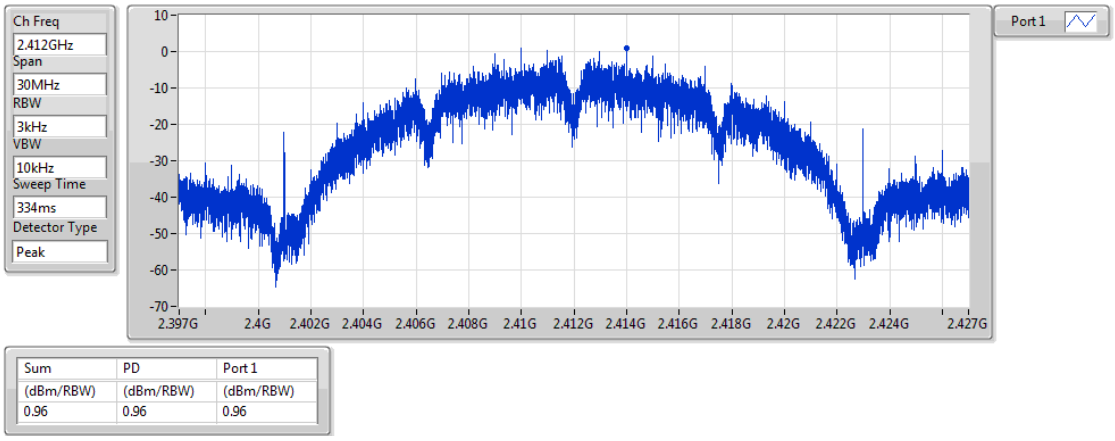
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	-0.29	0.96	0.96	8.00
2437MHz_TnomVnom	Pass	-0.29	-1.42	-1.42	8.00
2462MHz_TnomVnom	Pass	-0.29	-3.36	-3.36	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	-0.29	-6.12	-6.12	8.00
2437MHz_TnomVnom	Pass	-0.29	-5.31	-5.31	8.00
2462MHz_TnomVnom	Pass	-0.29	-7.11	-7.11	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	-0.29	-7.01	-7.01	8.00
2437MHz_TnomVnom	Pass	-0.29	-5.89	-5.89	8.00
2462MHz_TnomVnom	Pass	-0.29	-7.86	-7.86	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)_1TX **PSD**

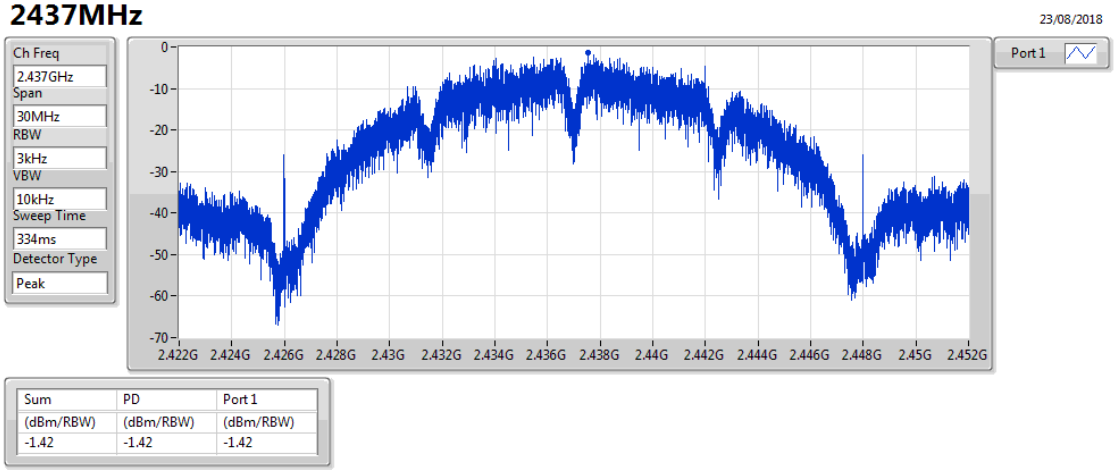
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.96	0.96	0.96

802.11b_Nss1,(1Mbps)_1TX **PSD**

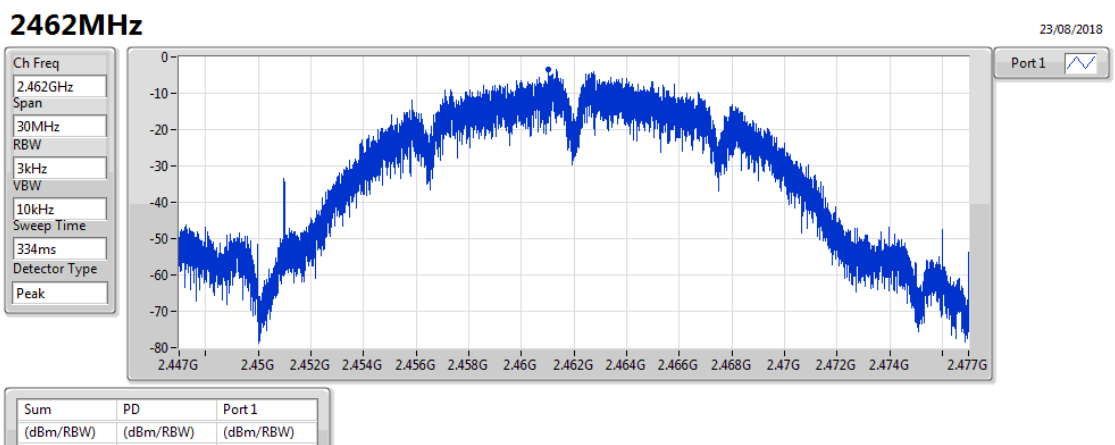
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.42	-1.42	-1.42

802.11b_Nss1,(1Mbps)_1TX **PSD**

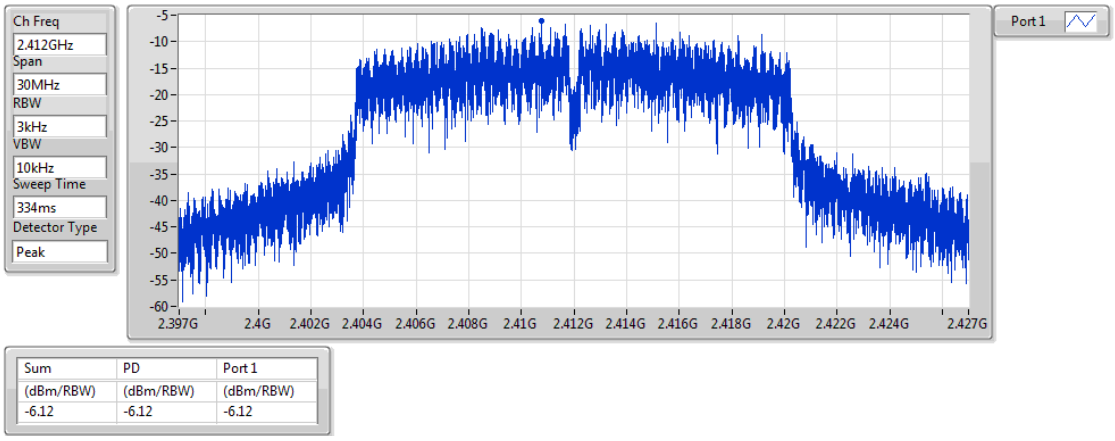
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.36	-3.36	-3.36

802.11g_Nss1,(6Mbps)_1TX **PSD**

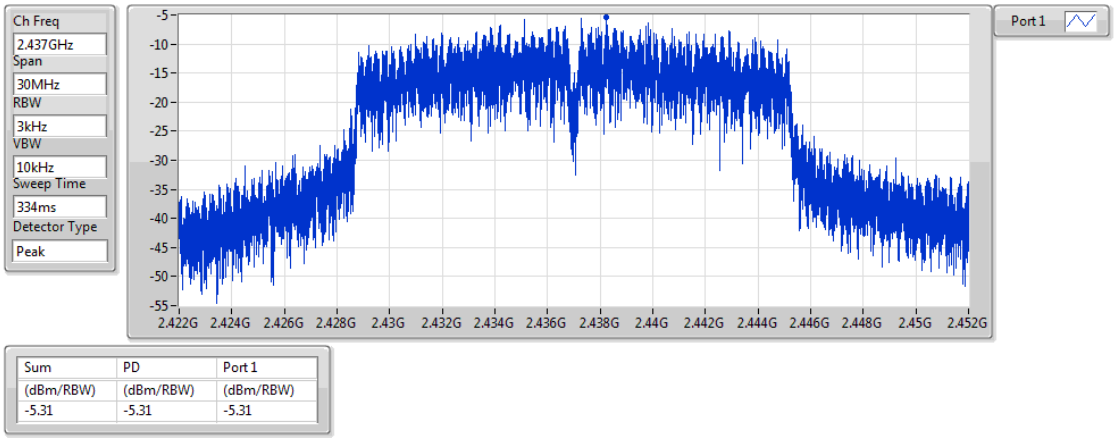
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.12	-6.12	-6.12

802.11g_Nss1,(6Mbps)_1TX **PSD**

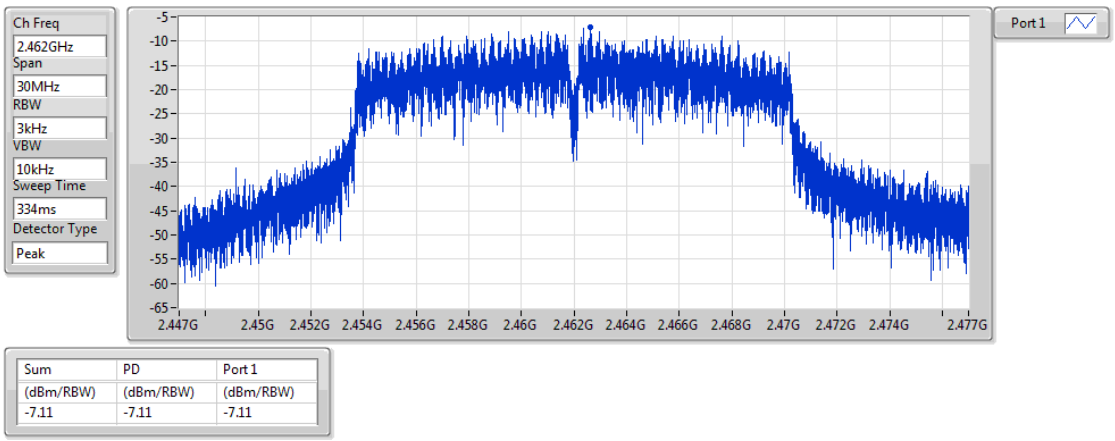
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.31	-5.31	-5.31

802.11g_Nss1,(6Mbps)_1TX **PSD**

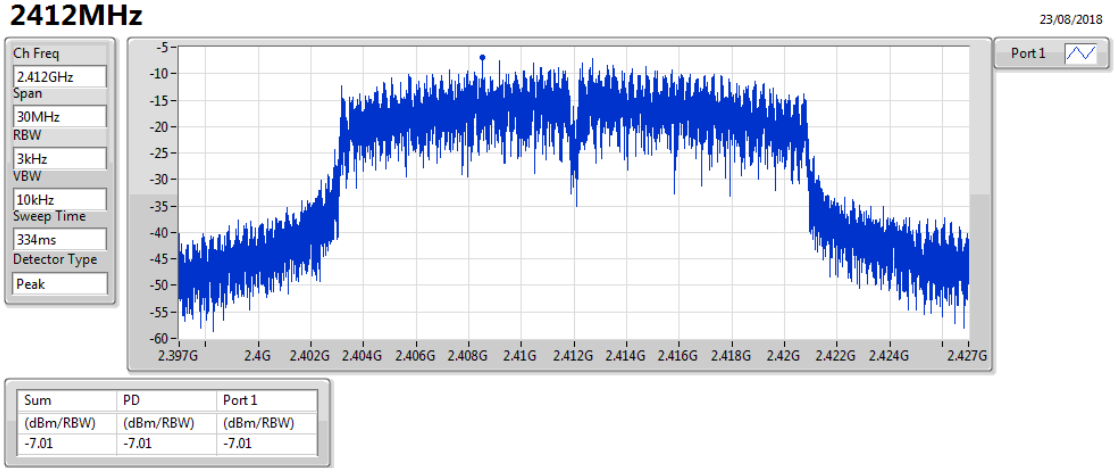
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.11	-7.11	-7.11

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

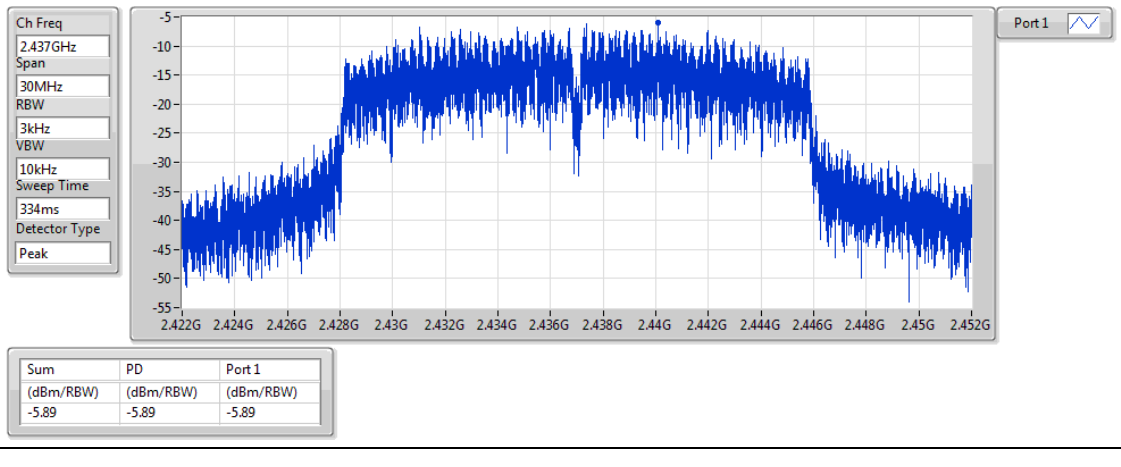
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.01	-7.01	-7.01

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

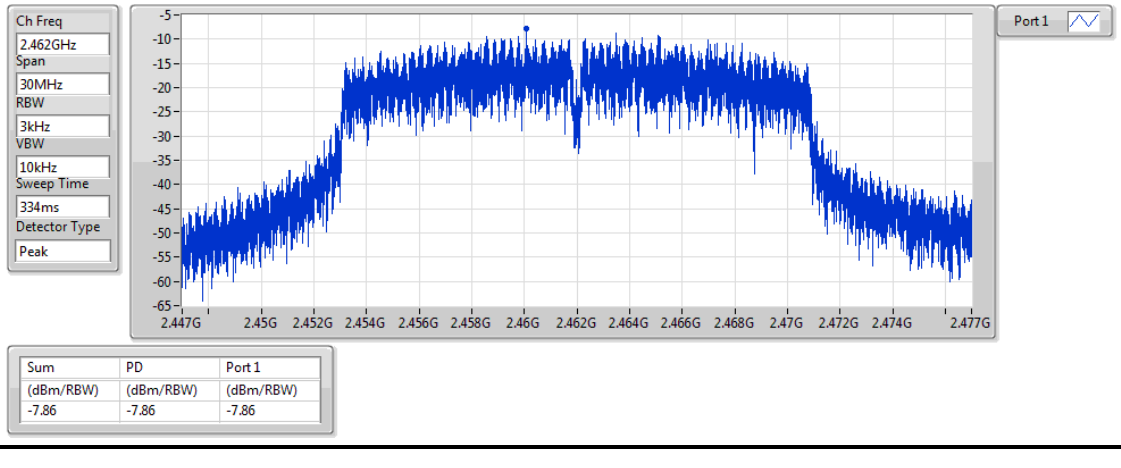
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.89	-5.89	-5.89

802.11n HT20_Nss1,(MCS0)_1TX **PSD**

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.86	-7.86	-7.86

Summary

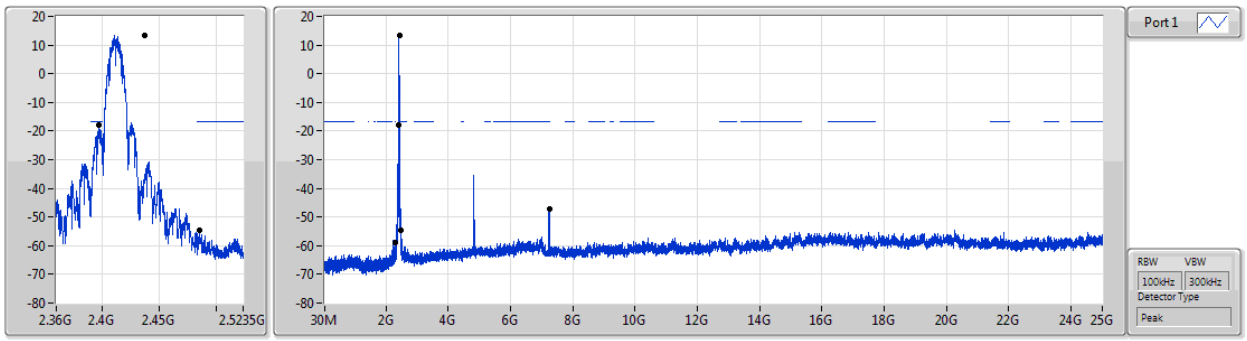
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.437575G	13.20	-16.80	2.30641G	-58.95	2.39752G	-18.07	2.48542G	-54.72	7.235136G	-47.14	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.439412G	9.58	-20.42	2.15729G	-62.11	2.39704G	-20.73	2.4875G	-57.81	16.967461G	-54.74	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.435738G	9.58	-20.42	801.23M	-62.71	2.3996G	-20.78	2.49102G	-57.66	16.284737G	-55.04	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.437575G	13.20	-16.80	2.30641G	-58.95	2.39752G	-18.07	2.48542G	-54.72	7.235136G	-47.14	1
2437MHz_TnomVnom	Pass	2.437575G	13.20	-16.80	2.121175G	-61.82	2.398G	-38.00	2.48598G	-47.74	14.621476G	-54.95	1
2462MHz_TnomVnom	Pass	2.437575G	13.20	-16.80	2.307575G	-61.35	2.39696G	-56.19	2.48694G	-42.36	15.138436G	-55.07	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.439412G	9.58	-20.42	2.15729G	-62.11	2.39704G	-20.73	2.4875G	-57.81	16.967461G	-54.74	1
2437MHz_TnomVnom	Pass	2.439412G	9.58	-20.42	2.302915G	-63.07	2.39896G	-46.34	2.48446G	-47.99	15.155293G	-54.68	1
2462MHz_TnomVnom	Pass	2.439412G	9.58	-20.42	2.16661G	-62.63	2.39992G	-56.80	2.48382G	-35.19	17.543421G	-54.67	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.435738G	9.58	-20.42	801.23M	-62.71	2.3996G	-20.78	2.49102G	-57.66	16.284737G	-55.04	1
2437MHz_TnomVnom	Pass	2.435738G	9.58	-20.42	2.172435G	-62.35	2.39896G	-46.13	2.48566G	-47.20	16.321261G	-54.20	1
2462MHz_TnomVnom	Pass	2.435738G	9.58	-20.42	1.967395G	-62.66	2.39696G	-56.63	2.48446G	-34.48	16.590979G	-54.80	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

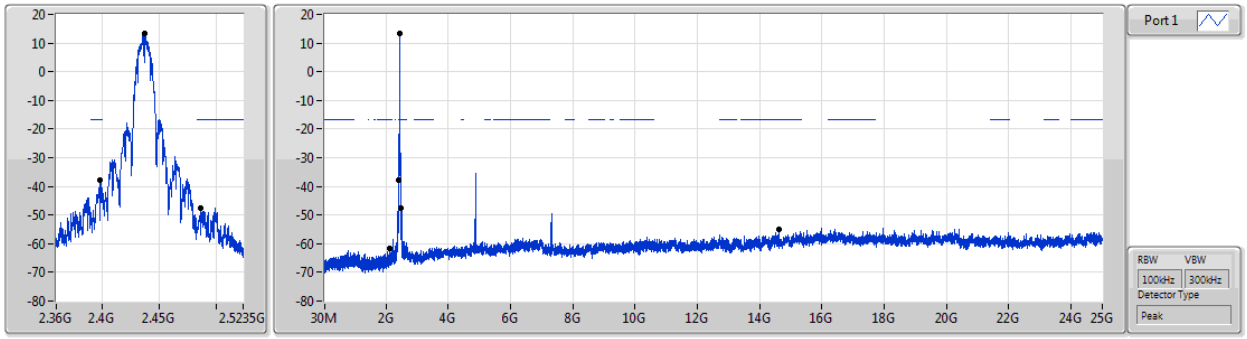
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	13.20	-16.80	2.30641G	-58.95	2.39752G	-18.07	2.48542G	-54.72	7.235136G	-47.14	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

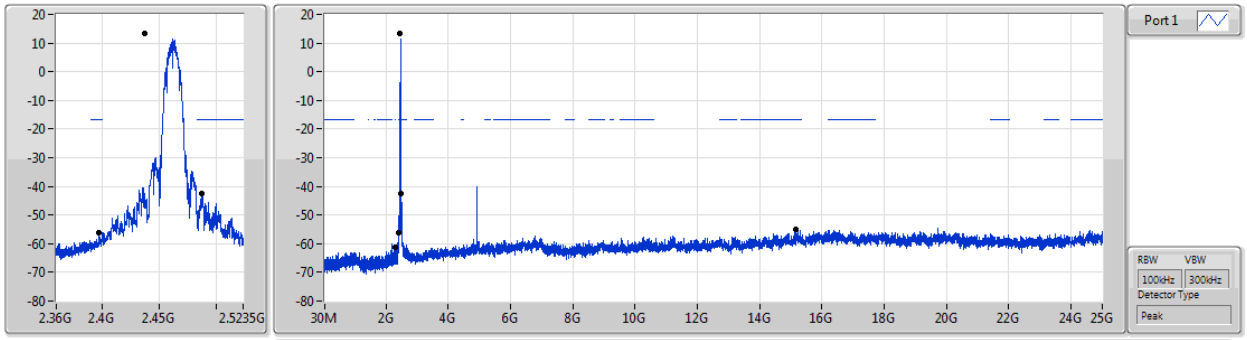
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	13.20	-16.80	2.121175G	-61.82	2.398G	-38.00	2.48598G	-47.74	14.621476G	-54.95	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

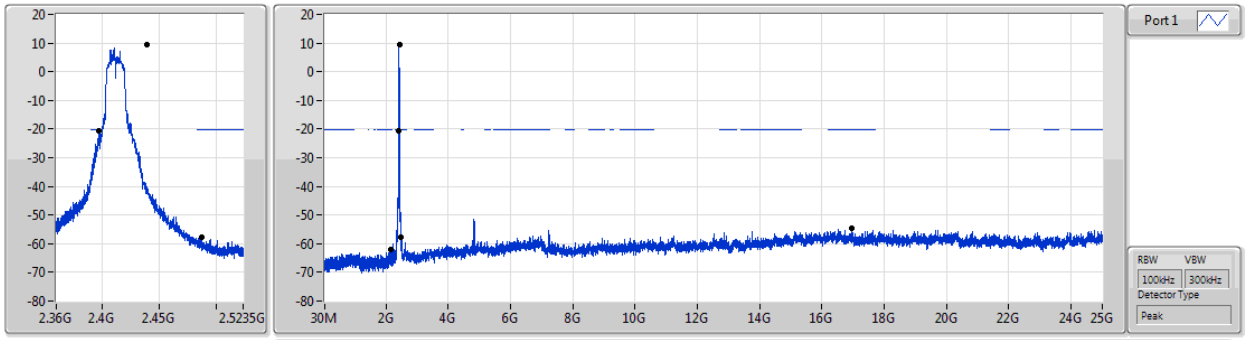
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.437575G	13.20	-16.80	2.307575G	-61.35	2.39696G	-56.19	2.48694G	-42.36	15.138436G	-55.07	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

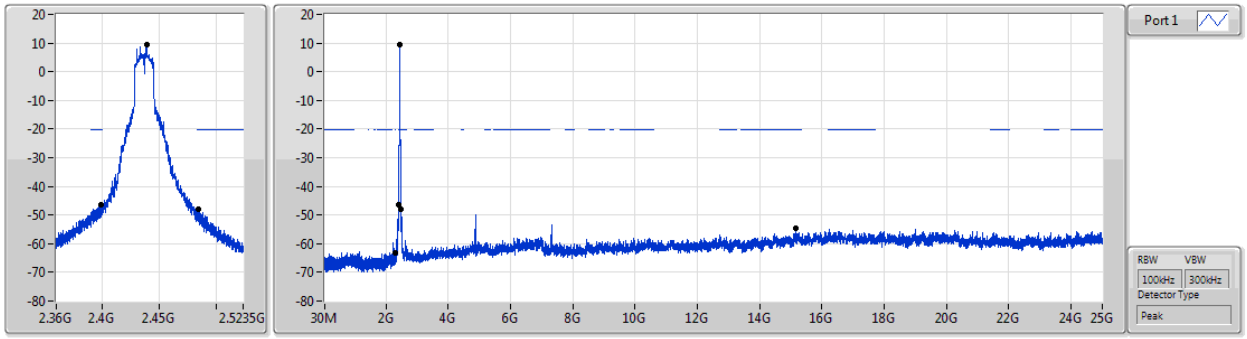
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439412G	9.58	-20.42	2.15729G	-62.11	2.39704G	-20.73	2.4875G	-57.81	16.967461G	-54.74	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

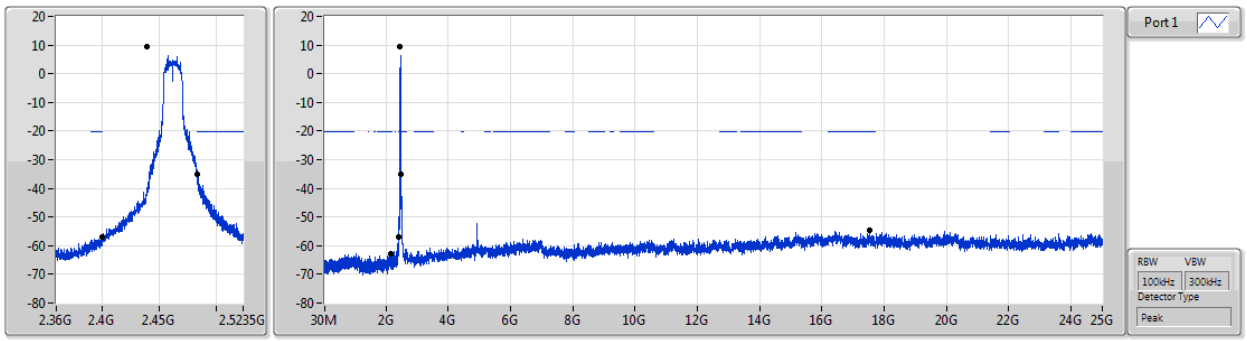
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439412G	9.58	-20.42	2.302915G	-63.07	2.39896G	-46.34	2.48446G	-47.99	15.155293G	-54.68	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

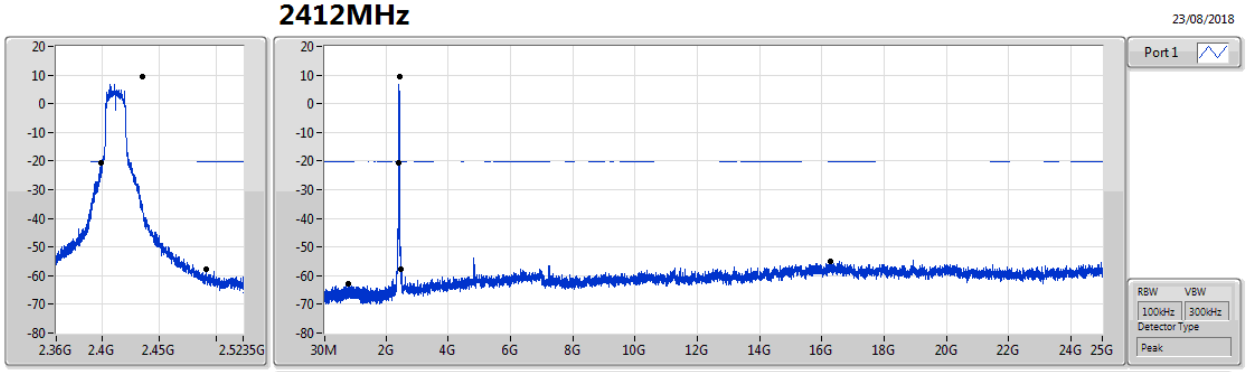
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439412G	9.58	-20.42	2.16661G	-62.63	2.39992G	-56.80	2.48382G	-35.19	17.543421G	-54.67	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

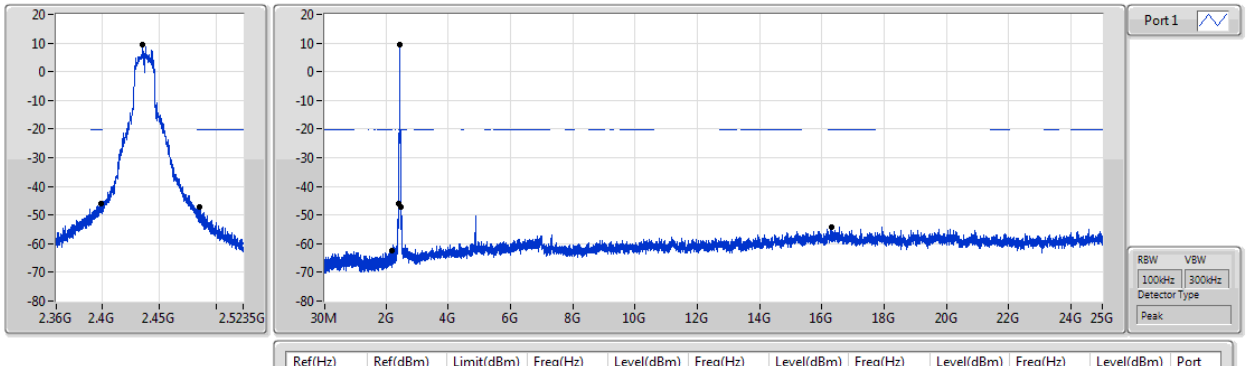
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	9.58	-20.42	801.23M	-62.71	2.3996G	-20.78	2.49102G	-57.66	16.284737G	-55.04	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

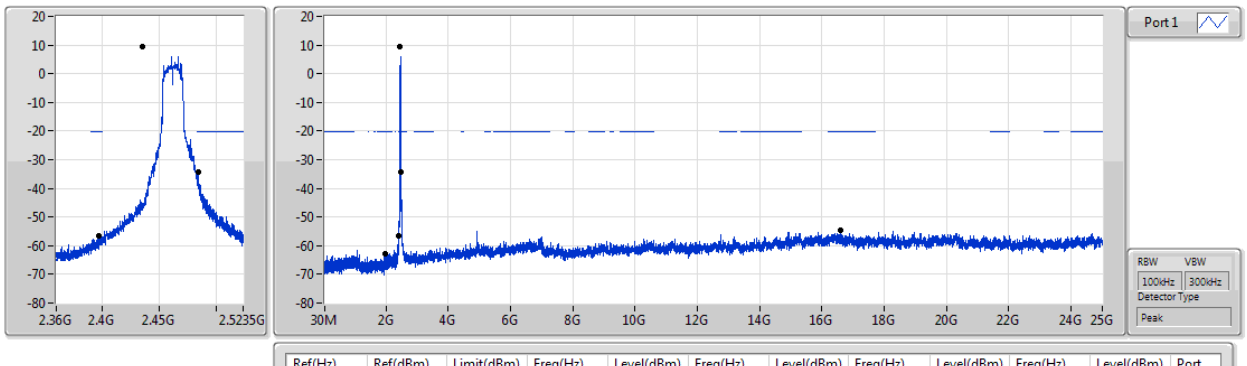
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	9.58	-20.42	2.172435G	-62.35	2.39896G	-46.13	2.48566G	-47.20	16.321261G	-54.20	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	9.58	-20.42	1.967395G	-62.66	2.39696G	-56.63	2.48446G	-34.48	16.590979G	-54.80	1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	QP	891.36M	43.06	46.00	-2.94	3.06	3	Horizontal	0	1.00	-

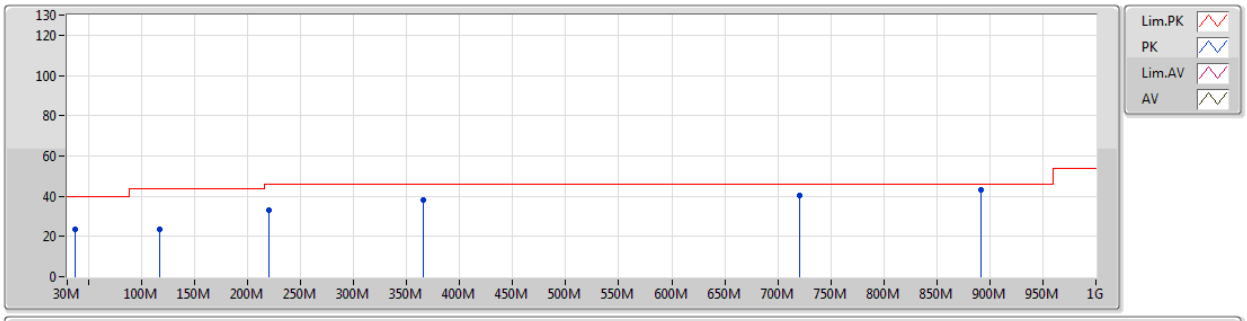
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	37.76M	23.56	40.00	-16.44	-6.83	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	117.3M	23.28	43.50	-20.22	-8.00	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	220.12M	33.25	46.00	-12.75	-9.97	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	365.62M	37.94	46.00	-8.06	-4.04	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	720.64M	40.09	46.00	-5.91	0.87	3	Horizontal	360	1.00	-
2437MHz	Pass	QP	891.36M	43.06	46.00	-2.94	3.06	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	35.82M	33.52	40.00	-6.48	-5.70	3	Vertical	0	1.00	-
2437MHz	Pass	PK	128.94M	29.03	43.50	-14.47	-7.88	3	Vertical	0	1.00	-
2437MHz	Pass	PK	222.06M	32.39	46.00	-13.61	-9.77	3	Vertical	0	1.00	-
2437MHz	Pass	PK	367.56M	38.21	46.00	-7.79	-4.01	3	Vertical	0	1.00	-
2437MHz	Pass	PK	743.92M	40.92	46.00	-5.08	1.49	3	Vertical	0	1.00	-
2437MHz	Pass	QP	891.36M	42.96	46.00	-3.04	3.06	3	Vertical	360	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

18/09/2018

2437MHz_Switching Power Supply

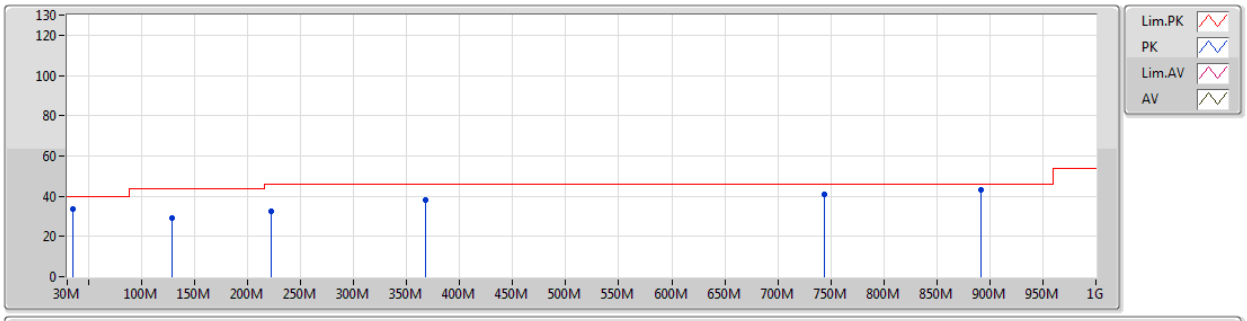


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	37.76M	23.56	40.00	-16.44	-6.83	3	Horizontal	360	1.00	-
PK	117.3M	23.28	43.50	-20.22	-8.00	3	Horizontal	360	1.00	-
PK	220.12M	33.25	46.00	-12.75	-9.97	3	Horizontal	360	1.00	-
PK	365.62M	37.94	46.00	-8.06	-4.04	3	Horizontal	360	1.00	-
PK	720.64M	40.09	46.00	-5.91	0.87	3	Horizontal	360	1.00	-
QP	891.36M	43.06	46.00	-2.94	3.06	3	Horizontal	0	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

18/09/2018

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	35.82M	33.52	40.00	-6.48	-5.70	3	Vertical	0	1.00	-
PK	128.94M	29.03	43.50	-14.47	-7.88	3	Vertical	0	1.00	-
PK	222.06M	32.39	46.00	-13.61	-9.77	3	Vertical	0	1.00	-
PK	367.56M	38.21	46.00	-7.79	-4.01	3	Vertical	0	1.00	-
PK	743.92M	40.92	46.00	-5.08	1.49	3	Vertical	0	1.00	-
QP	891.36M	42.96	46.00	-3.04	3.06	3	Vertical	360	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)_1TX	Pass	AV	2.4888G	53.90	54.00	-0.10	31.13	3	Horizontal	114	1.01	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.483502G	53.09	54.00	-0.91	31.11	3	Horizontal	117	1.42	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.389998G	53.66	54.00	-0.34	30.77	3	Horizontal	128	1.47	-

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3852G	48.12	54.00	-5.88	30.76	3	Vertical	135	1.48	-
2412MHz	Pass	AV	2.4112G	96.37	Inf	-Inf	30.85	3	Vertical	135	1.48	-
2412MHz	Pass	PK	2.3856G	58.41	74.00	-15.59	30.76	3	Vertical	135	1.48	-
2412MHz	Pass	PK	2.4124G	98.88	Inf	-Inf	30.85	3	Vertical	135	1.48	-
2412MHz	Pass	AV	2.3862G	53.82	54.00	-0.18	30.76	3	Horizontal	100	1.81	-
2412MHz	Pass	AV	2.4128G	98.23	Inf	-Inf	30.86	3	Horizontal	100	1.81	-
2412MHz	Pass	PK	2.386G	61.14	74.00	-12.86	30.76	3	Horizontal	100	1.81	-
2412MHz	Pass	PK	2.4124G	100.88	Inf	-Inf	30.85	3	Horizontal	100	1.81	-
2412MHz	Pass	AV	4.82175G	28.60	54.00	-25.40	2.12	3	Vertical	14	1.53	-
2412MHz	Pass	PK	4.82345G	43.65	74.00	-30.35	2.13	3	Vertical	14	1.53	-
2412MHz	Pass	AV	4.82169G	28.65	54.00	-25.35	2.12	3	Horizontal	10	2.40	-
2412MHz	Pass	PK	4.82232G	43.00	74.00	-31.00	2.13	3	Horizontal	10	2.40	-
2437MHz	Pass	AV	2.3886G	43.03	54.00	-10.97	30.77	3	Vertical	67	1.08	-
2437MHz	Pass	AV	2.4362G	97.44	Inf	-Inf	30.94	3	Vertical	67	1.08	-
2437MHz	Pass	AV	2.4998G	43.57	54.00	-10.43	31.17	3	Vertical	67	1.08	-
2437MHz	Pass	PK	2.3854G	56.27	74.00	-17.73	30.76	3	Vertical	67	1.08	-
2437MHz	Pass	PK	2.4362G	99.54	Inf	-Inf	30.94	3	Vertical	67	1.08	-
2437MHz	Pass	PK	2.4962G	56.88	74.00	-17.12	31.16	3	Vertical	67	1.08	-
2437MHz	Pass	AV	2.3882G	46.74	54.00	-7.26	30.77	3	Horizontal	118	1.23	-
2437MHz	Pass	AV	2.4378G	102.51	Inf	-Inf	30.95	3	Horizontal	118	1.23	-
2437MHz	Pass	AV	2.485G	45.19	54.00	-8.81	31.12	3	Horizontal	118	1.23	-
2437MHz	Pass	PK	2.387G	57.33	74.00	-16.67	30.76	3	Horizontal	118	1.23	-
2437MHz	Pass	PK	2.4378G	104.82	Inf	-Inf	30.95	3	Horizontal	118	1.23	-
2437MHz	Pass	PK	2.4854G	58.03	74.00	-15.97	31.12	3	Horizontal	118	1.23	-
2437MHz	Pass	AV	4.87401G	29.54	54.00	-24.46	2.26	3	Vertical	37	1.98	-
2437MHz	Pass	PK	4.87538G	42.56	74.00	-31.44	2.26	3	Vertical	37	1.98	-
2437MHz	Pass	AV	4.874G	33.81	54.00	-20.19	2.26	3	Horizontal	100	1.59	-
2437MHz	Pass	PK	4.87416G	44.08	74.00	-29.92	2.26	3	Horizontal	100	1.59	-
2452MHz	Pass	AV	2.3764G	43.22	54.00	-10.78	30.72	3	Vertical	123	1.26	-
2452MHz	Pass	AV	2.4512G	97.15	Inf	-Inf	30.99	3	Vertical	123	1.26	-
2452MHz	Pass	AV	2.4896G	45.23	54.00	-8.77	31.13	3	Vertical	123	1.26	-
2452MHz	Pass	PK	2.3784G	56.81	74.00	-17.19	30.73	3	Vertical	123	1.26	-
2452MHz	Pass	PK	2.4512G	99.31	Inf	-Inf	30.99	3	Vertical	123	1.26	-
2452MHz	Pass	PK	2.4872G	57.08	74.00	-16.92	31.12	3	Vertical	123	1.26	-
2452MHz	Pass	AV	2.3896G	43.29	54.00	-10.71	30.77	3	Horizontal	116	1.12	-
2452MHz	Pass	AV	2.4512G	104.61	Inf	-Inf	30.99	3	Horizontal	116	1.12	-
2452MHz	Pass	AV	2.4896G	53.10	54.00	-0.90	31.13	3	Horizontal	116	1.12	-
2452MHz	Pass	PK	2.3788G	55.89	74.00	-18.11	30.74	3	Horizontal	116	1.12	-
2452MHz	Pass	PK	2.4512G	106.68	Inf	-Inf	30.99	3	Horizontal	116	1.12	-
2452MHz	Pass	PK	2.4896G	60.63	74.00	-13.37	31.13	3	Horizontal	116	1.12	-
2457MHz	Pass	AV	2.4562G	96.05	Inf	-Inf	31.01	3	Vertical	123	1.50	-
2457MHz	Pass	AV	2.4838G	45.36	54.00	-8.64	31.11	3	Vertical	123	1.50	-
2457MHz	Pass	PK	2.4578G	98.27	Inf	-Inf	31.02	3	Vertical	123	1.50	-
2457MHz	Pass	PK	2.4836G	57.45	74.00	-16.55	31.11	3	Vertical	123	1.50	-
2457MHz	Pass	AV	2.4562G	102.95	Inf	-Inf	31.01	3	Horizontal	118	1.14	-
2457MHz	Pass	AV	2.4836G	51.49	54.00	-2.51	31.11	3	Horizontal	118	1.14	-
2457MHz	Pass	PK	2.456G	104.99	Inf	-Inf	31.01	3	Horizontal	118	1.14	-

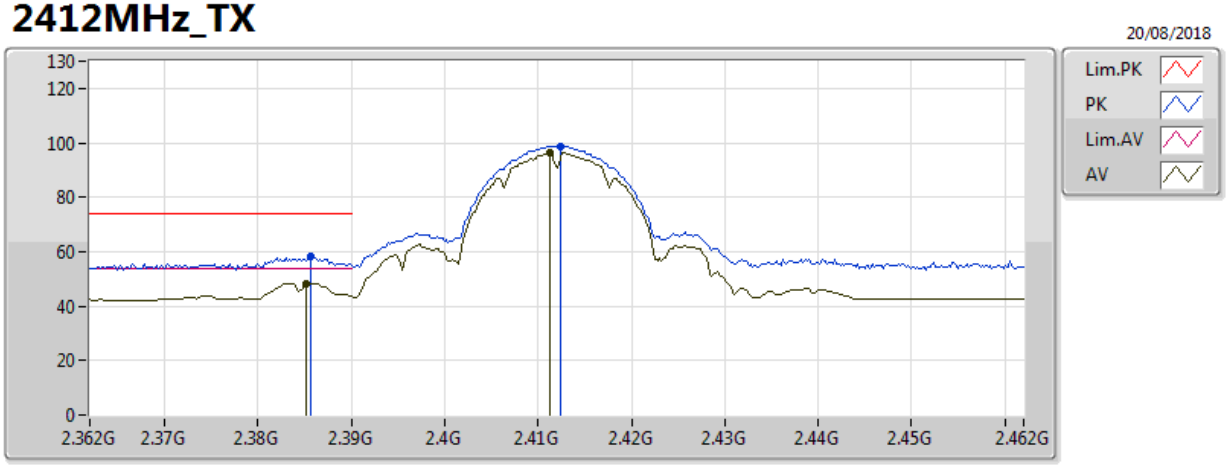
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4838G	60.59	74.00	-13.41	31.11	3	Horizontal	118	1.14	-
2462MHz	Pass	AV	2.4612G	88.00	Inf	-Inf	30.62	3	Vertical	216	2.03	-
2462MHz	Pass	AV	2.4904G	42.69	54.00	-11.31	30.72	3	Vertical	216	2.03	-
2462MHz	Pass	PK	2.461G	91.94	Inf	-Inf	30.62	3	Vertical	216	2.03	-
2462MHz	Pass	PK	2.4904G	54.55	74.00	-19.45	30.72	3	Vertical	216	2.03	-
2462MHz	Pass	AV	2.4612G	93.87	Inf	-Inf	30.62	3	Horizontal	119	1.23	-
2462MHz	Pass	AV	2.489G	44.01	54.00	-9.99	30.71	3	Horizontal	119	1.23	-
2462MHz	Pass	PK	2.461G	97.81	Inf	-Inf	30.62	3	Horizontal	119	1.23	-
2462MHz	Pass	PK	2.4894G	55.69	74.00	-18.31	30.71	3	Horizontal	119	1.23	-
2462MHz	Pass	AV	4.92394G	32.37	54.00	-21.63	6.09	3	Vertical	144	2.67	-
2462MHz	Pass	PK	4.924G	45.39	74.00	-28.61	6.09	3	Vertical	144	2.67	-
2462MHz	Pass	AV	4.924G	34.88	54.00	-19.12	6.09	3	Horizontal	111	1.50	-
2462MHz	Pass	PK	4.92418G	45.13	74.00	-28.87	6.09	3	Horizontal	111	1.50	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	47.34	54.00	-6.66	30.77	3	Vertical	129	1.71	-
2412MHz	Pass	AV	2.4102G	89.15	Inf	-Inf	30.85	3	Vertical	129	1.71	-
2412MHz	Pass	PK	2.3898G	64.74	74.00	-9.26	30.77	3	Vertical	129	1.71	-
2412MHz	Pass	PK	2.411G	99.07	Inf	-Inf	30.85	3	Vertical	129	1.71	-
2412MHz	Pass	AV	2.389998G	52.89	54.00	-1.11	30.77	3	Horizontal	119	1.59	-
2412MHz	Pass	AV	2.4106G	93.60	Inf	-Inf	30.85	3	Horizontal	119	1.59	-
2412MHz	Pass	PK	2.389998G	71.48	74.00	-2.52	30.77	3	Horizontal	119	1.59	-
2412MHz	Pass	PK	2.4112G	103.74	Inf	-Inf	30.85	3	Horizontal	119	1.59	-
2412MHz	Pass	AV	4.82808G	29.96	54.00	-24.04	2.14	3	Vertical	70	1.29	-
2412MHz	Pass	PK	4.82252G	42.45	74.00	-31.55	2.13	3	Vertical	70	1.29	-
2412MHz	Pass	AV	4.8288G	29.91	54.00	-24.09	2.14	3	Horizontal	163	1.04	-
2412MHz	Pass	PK	4.82272G	42.53	74.00	-31.47	2.13	3	Horizontal	163	1.04	-
2437MHz	Pass	AV	2.377G	43.58	54.00	-10.42	30.73	3	Vertical	67	1.08	-
2437MHz	Pass	AV	2.4378G	90.76	Inf	-Inf	30.95	3	Vertical	67	1.08	-
2437MHz	Pass	AV	2.4886G	44.17	54.00	-9.83	31.13	3	Vertical	67	1.08	-
2437MHz	Pass	PK	2.3826G	56.50	74.00	-17.50	30.75	3	Vertical	67	1.08	-
2437MHz	Pass	PK	2.435G	101.14	Inf	-Inf	30.94	3	Vertical	67	1.08	-
2437MHz	Pass	PK	2.4946G	57.10	74.00	-16.90	31.15	3	Vertical	67	1.08	-
2437MHz	Pass	AV	2.387G	44.07	54.00	-9.93	30.76	3	Horizontal	114	1.20	-
2437MHz	Pass	AV	2.4382G	96.16	Inf	-Inf	30.95	3	Horizontal	114	1.20	-
2437MHz	Pass	AV	2.489G	44.65	54.00	-9.35	31.13	3	Horizontal	114	1.20	-
2437MHz	Pass	PK	2.3766G	56.28	74.00	-17.72	30.72	3	Horizontal	114	1.20	-
2437MHz	Pass	PK	2.437G	106.88	Inf	-Inf	30.94	3	Horizontal	114	1.20	-
2437MHz	Pass	PK	2.4838G	57.91	74.00	-16.09	31.11	3	Horizontal	114	1.20	-
2437MHz	Pass	AV	4.8787G	29.59	54.00	-24.41	2.27	3	Vertical	164	1.38	-
2437MHz	Pass	PK	4.86958G	42.98	74.00	-31.02	2.24	3	Vertical	164	1.38	-
2437MHz	Pass	AV	4.87311G	29.68	54.00	-24.32	2.25	3	Horizontal	236	1.44	-
2437MHz	Pass	PK	4.87218G	42.40	74.00	-31.60	2.25	3	Horizontal	236	1.44	-
2457MHz	Pass	AV	2.458G	91.09	Inf	-Inf	31.02	3	Vertical	123	1.50	-
2457MHz	Pass	AV	2.4836G	45.58	54.00	-8.42	31.11	3	Vertical	123	1.50	-
2457MHz	Pass	PK	2.4546G	101.21	Inf	-Inf	31.01	3	Vertical	123	1.50	-
2457MHz	Pass	PK	2.4856G	61.54	74.00	-12.46	31.12	3	Vertical	123	1.50	-
2457MHz	Pass	AV	2.458G	97.80	Inf	-Inf	31.02	3	Horizontal	117	1.01	-
2457MHz	Pass	AV	2.483502G	50.86	54.00	-3.14	31.11	3	Horizontal	117	1.01	-
2457MHz	Pass	PK	2.4568G	108.55	Inf	-Inf	31.01	3	Horizontal	117	1.01	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4844G	70.09	74.00	-3.91	31.12	3	Horizontal	117	1.01	-
2462MHz	Pass	AV	2.4612G	89.83	Inf	-Inf	31.03	3	Vertical	122	1.55	-
2462MHz	Pass	AV	2.483502G	48.01	54.00	-5.99	31.11	3	Vertical	122	1.55	-
2462MHz	Pass	PK	2.4592G	99.15	Inf	-Inf	31.02	3	Vertical	122	1.55	-
2462MHz	Pass	PK	2.483502G	63.88	74.00	-10.12	31.11	3	Vertical	122	1.55	-
2462MHz	Pass	AV	2.461G	96.57	Inf	-Inf	31.03	3	Horizontal	117	1.42	-
2462MHz	Pass	AV	2.483502G	53.09	54.00	-0.91	31.11	3	Horizontal	117	1.42	-
2462MHz	Pass	PK	2.4604G	106.14	Inf	-Inf	31.03	3	Horizontal	117	1.42	-
2462MHz	Pass	PK	2.483502G	71.21	74.00	-2.79	31.11	3	Horizontal	117	1.42	-
2462MHz	Pass	AV	4.92398G	29.90	54.00	-24.10	2.38	3	Vertical	326	1.13	-
2462MHz	Pass	PK	4.92772G	42.56	74.00	-31.44	2.39	3	Vertical	326	1.13	-
2462MHz	Pass	AV	4.92832G	29.85	54.00	-24.15	2.39	3	Horizontal	257	2.03	-
2462MHz	Pass	PK	4.92696G	43.01	74.00	-30.99	2.39	3	Horizontal	257	2.03	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	49.87	54.00	-4.13	30.77	3	Vertical	119	1.94	-
2412MHz	Pass	AV	2.4106G	88.94	Inf	-Inf	30.85	3	Vertical	119	1.94	-
2412MHz	Pass	PK	2.3898G	66.61	74.00	-7.39	30.77	3	Vertical	119	1.94	-
2412MHz	Pass	PK	2.4132G	98.32	Inf	-Inf	30.86	3	Vertical	119	1.94	-
2412MHz	Pass	AV	2.389998G	53.66	54.00	-0.34	30.77	3	Horizontal	128	1.47	-
2412MHz	Pass	AV	2.411G	93.76	Inf	-Inf	30.85	3	Horizontal	128	1.47	-
2412MHz	Pass	PK	2.389998G	71.84	74.00	-2.16	30.77	3	Horizontal	128	1.47	-
2412MHz	Pass	PK	2.4142G	103.61	Inf	-Inf	30.86	3	Horizontal	128	1.47	-
2412MHz	Pass	AV	4.82884G	29.93	54.00	-24.07	2.14	3	Vertical	262	2.45	-
2412MHz	Pass	PK	4.82862G	43.39	74.00	-30.61	2.14	3	Vertical	262	2.45	-
2412MHz	Pass	AV	4.829G	30.12	54.00	-23.88	2.14	3	Horizontal	314	1.24	-
2412MHz	Pass	PK	4.82868G	42.75	74.00	-31.25	2.14	3	Horizontal	314	1.24	-
2437MHz	Pass	AV	2.3706G	43.26	54.00	-10.74	30.71	3	Vertical	66	1.09	-
2437MHz	Pass	AV	2.4354G	90.09	Inf	-Inf	30.94	3	Vertical	66	1.09	-
2437MHz	Pass	AV	2.4946G	44.02	54.00	-9.98	31.15	3	Vertical	66	1.09	-
2437MHz	Pass	PK	2.3442G	55.36	74.00	-18.64	30.61	3	Vertical	66	1.09	-
2437MHz	Pass	PK	2.4358G	100.07	Inf	-Inf	30.94	3	Vertical	66	1.09	-
2437MHz	Pass	PK	2.4846G	56.13	74.00	-17.87	31.12	3	Vertical	66	1.09	-
2437MHz	Pass	AV	2.3874G	43.70	54.00	-10.30	30.76	3	Horizontal	114	1.39	-
2437MHz	Pass	AV	2.4394G	95.70	Inf	-Inf	30.95	3	Horizontal	114	1.39	-
2437MHz	Pass	AV	2.483502G	44.69	54.00	-9.31	31.11	3	Horizontal	114	1.39	-
2437MHz	Pass	PK	2.3662G	55.79	74.00	-18.21	30.70	3	Horizontal	114	1.39	-
2437MHz	Pass	PK	2.4402G	105.03	Inf	-Inf	30.95	3	Horizontal	114	1.39	-
2437MHz	Pass	PK	2.4866G	56.41	74.00	-17.59	31.12	3	Horizontal	114	1.39	-
2437MHz	Pass	AV	4.87614G	29.56	54.00	-24.44	2.26	3	Vertical	356	2.28	-
2437MHz	Pass	PK	4.87786G	42.53	74.00	-31.47	2.26	3	Vertical	356	2.28	-
2437MHz	Pass	AV	4.87506G	29.61	54.00	-24.39	2.26	3	Horizontal	178	1.90	-
2437MHz	Pass	PK	4.87246G	42.80	74.00	-31.20	2.25	3	Horizontal	178	1.90	-
2457MHz	Pass	AV	2.4584G	91.00	Inf	-Inf	31.02	3	Vertical	122	1.50	-
2457MHz	Pass	AV	2.483502G	46.13	54.00	-7.87	31.11	3	Vertical	122	1.50	-
2457MHz	Pass	PK	2.4558G	100.75	Inf	-Inf	31.01	3	Vertical	122	1.50	-
2457MHz	Pass	PK	2.483502G	63.16	74.00	-10.84	31.11	3	Vertical	122	1.50	-
2457MHz	Pass	AV	2.456G	97.22	Inf	-Inf	31.01	3	Horizontal	117	1.40	-
2457MHz	Pass	AV	2.483502G	50.51	54.00	-3.49	31.11	3	Horizontal	117	1.40	-
2457MHz	Pass	PK	2.4566G	106.73	Inf	-Inf	31.01	3	Horizontal	117	1.40	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4846G	67.97	74.00	-6.03	31.12	3	Horizontal	117	1.40	-
2462MHz	Pass	AV	2.4602G	89.35	Inf	-Inf	31.03	3	Vertical	122	1.50	-
2462MHz	Pass	AV	2.4836G	47.06	54.00	-6.94	31.11	3	Vertical	122	1.50	-
2462MHz	Pass	PK	2.4594G	98.86	Inf	-Inf	31.02	3	Vertical	122	1.50	-
2462MHz	Pass	PK	2.4838G	62.35	74.00	-11.65	31.11	3	Vertical	122	1.50	-
2462MHz	Pass	AV	2.4612G	95.96	Inf	-Inf	31.03	3	Horizontal	116	1.01	-
2462MHz	Pass	AV	2.483502G	53.15	54.00	-0.85	31.11	3	Horizontal	116	1.01	-
2462MHz	Pass	PK	2.4604G	105.91	Inf	-Inf	31.03	3	Horizontal	116	1.01	-
2462MHz	Pass	PK	2.483502G	71.83	74.00	-2.17	31.11	3	Horizontal	116	1.01	-
2462MHz	Pass	AV	4.92676G	29.90	54.00	-24.10	2.39	3	Vertical	35	1.41	-
2462MHz	Pass	PK	4.9264G	42.54	74.00	-31.46	2.39	3	Vertical	35	1.41	-
2462MHz	Pass	AV	4.92632G	29.72	54.00	-24.28	2.39	3	Horizontal	132	1.06	-
2462MHz	Pass	PK	4.92482G	42.99	74.00	-31.01	2.38	3	Horizontal	132	1.06	-

802.11b_Nss1,(1Mbps)_1TX

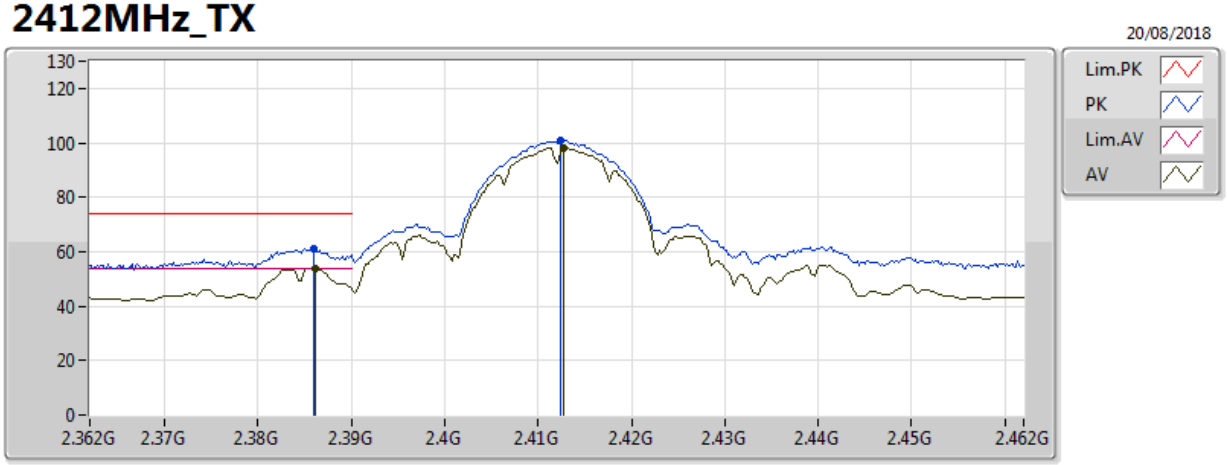
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3852G	48.12	54.00	-5.88	30.76	3	Vertical	135	1.48	-
AV	2.4112G	96.37	Inf	-Inf	30.85	3	Vertical	135	1.48	-
PK	2.3856G	58.41	74.00	-15.59	30.76	3	Vertical	135	1.48	-
PK	2.4124G	98.88	Inf	-Inf	30.85	3	Vertical	135	1.48	-

802.11b_Nss1,(1Mbps)_1TX

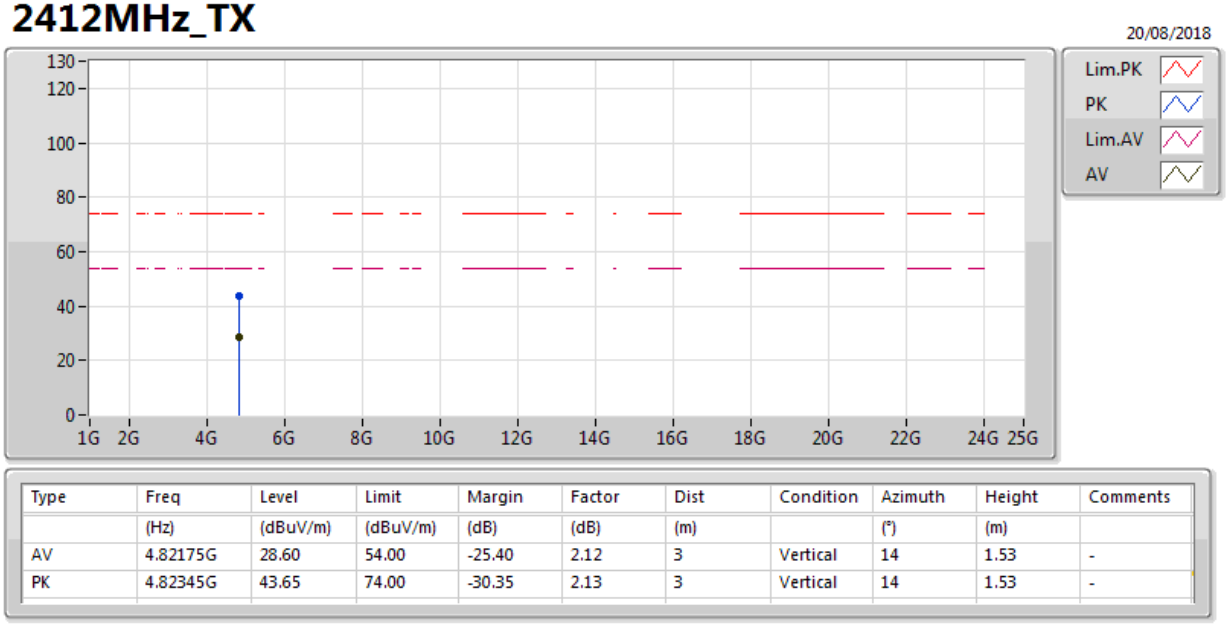
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3862G	53.82	54.00	-0.18	30.76	3	Horizontal	100	1.81	-
AV	2.4128G	98.23	Inf	-Inf	30.86	3	Horizontal	100	1.81	-
PK	2.386G	61.14	74.00	-12.86	30.76	3	Horizontal	100	1.81	-
PK	2.4124G	100.88	Inf	-Inf	30.85	3	Horizontal	100	1.81	-

802.11b_Nss1,(1Mbps)_1TX

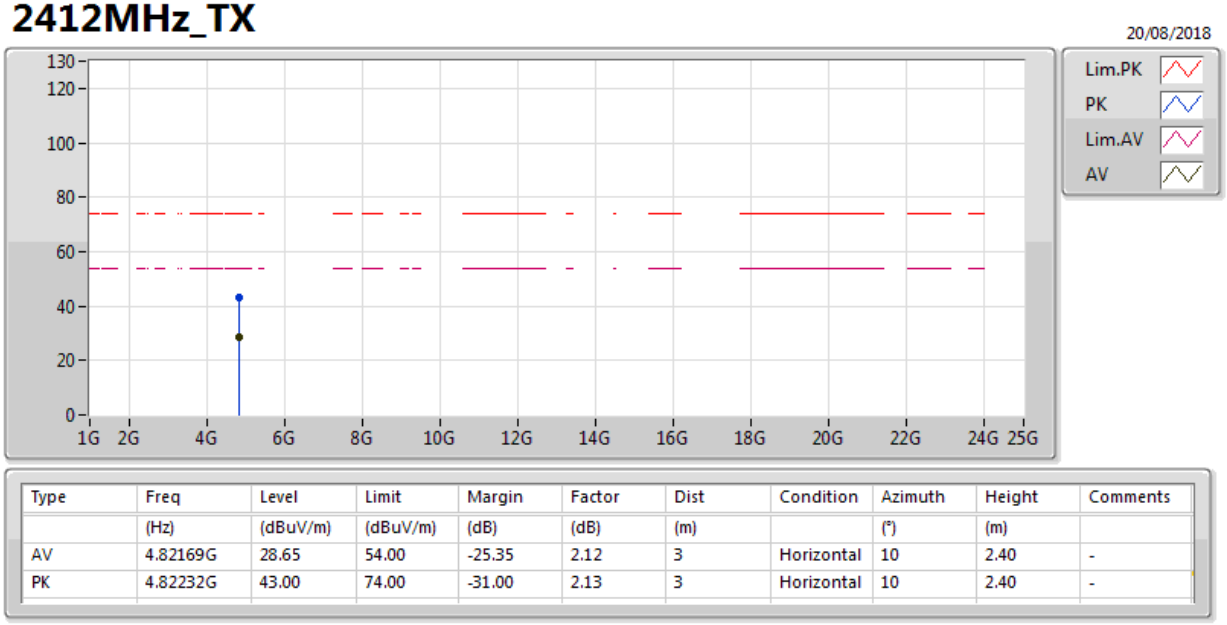
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82175G	28.60	54.00	-25.40	2.12	3	Vertical	14	1.53	-
PK	4.82345G	43.65	74.00	-30.35	2.13	3	Vertical	14	1.53	-

802.11b_Nss1,(1Mbps)_1TX

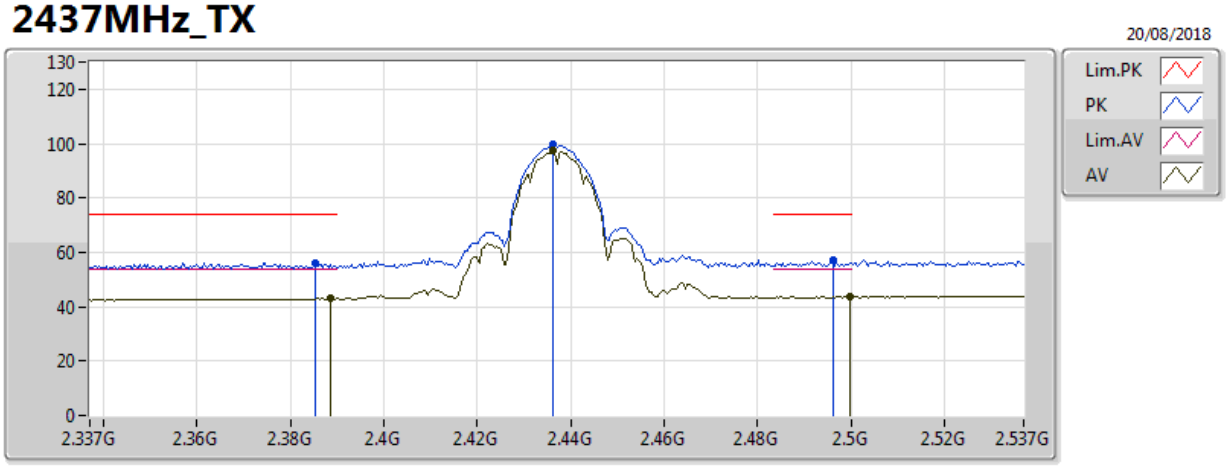
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82169G	28.65	54.00	-25.35	2.12	3	Horizontal	10	2.40	-
PK	4.82232G	43.00	74.00	-31.00	2.13	3	Horizontal	10	2.40	-

802.11b_Nss1,(1Mbps)_1TX

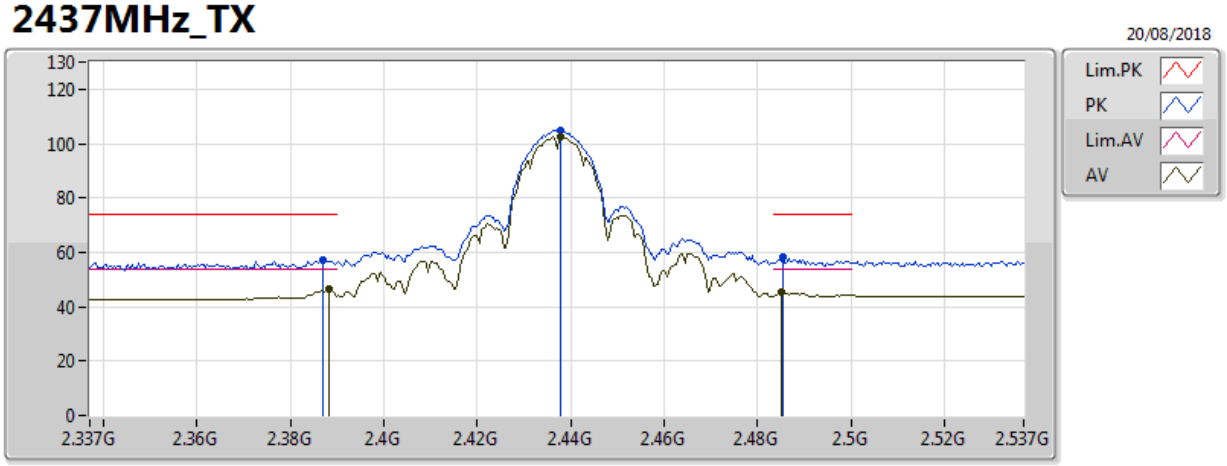
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3886G	43.03	54.00	-10.97	30.77	3	Vertical	67	1.08	-
AV	2.4362G	97.44	Inf	-Inf	30.94	3	Vertical	67	1.08	-
AV	2.4998G	43.57	54.00	-10.43	31.17	3	Vertical	67	1.08	-
PK	2.3854G	56.27	74.00	-17.73	30.76	3	Vertical	67	1.08	-
PK	2.4362G	99.54	Inf	-Inf	30.94	3	Vertical	67	1.08	-
PK	2.4962G	56.88	74.00	-17.12	31.16	3	Vertical	67	1.08	-

802.11b_Nss1,(1Mbps)_1TX

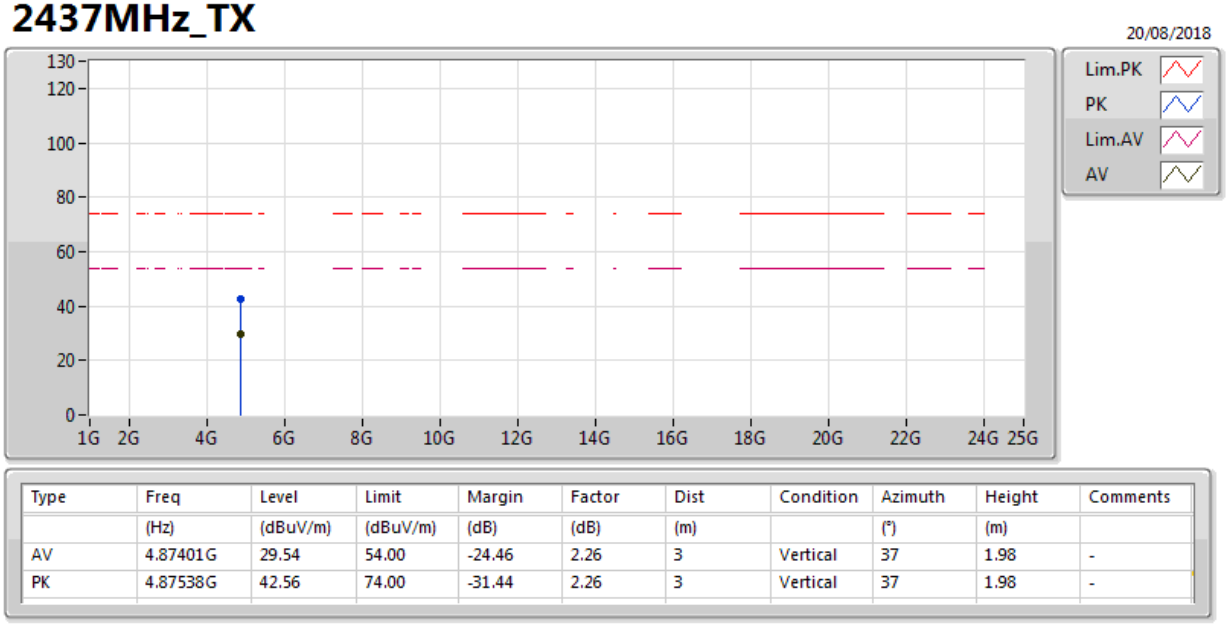
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	46.74	54.00	-7.26	30.77	3	Horizontal	118	1.23	-
AV	2.4378G	102.51	Inf	-Inf	30.95	3	Horizontal	118	1.23	-
AV	2.485G	45.19	54.00	-8.81	31.12	3	Horizontal	118	1.23	-
PK	2.387G	57.33	74.00	-16.67	30.76	3	Horizontal	118	1.23	-
PK	2.4378G	104.82	Inf	-Inf	30.95	3	Horizontal	118	1.23	-
PK	2.4854G	58.03	74.00	-15.97	31.12	3	Horizontal	118	1.23	-

802.11b_Nss1,(1Mbps)_1TX

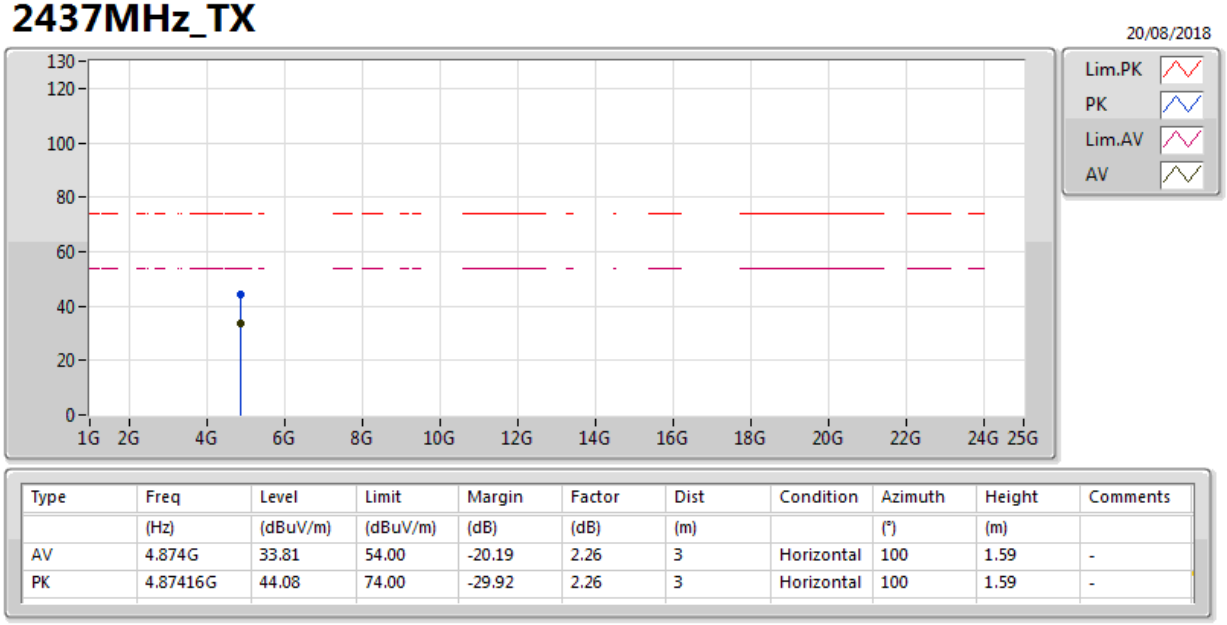
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87401G	29.54	54.00	-24.46	2.26	3	Vertical	37	1.98	-
PK	4.87538G	42.56	74.00	-31.44	2.26	3	Vertical	37	1.98	-

802.11b_Nss1,(1Mbps)_1TX

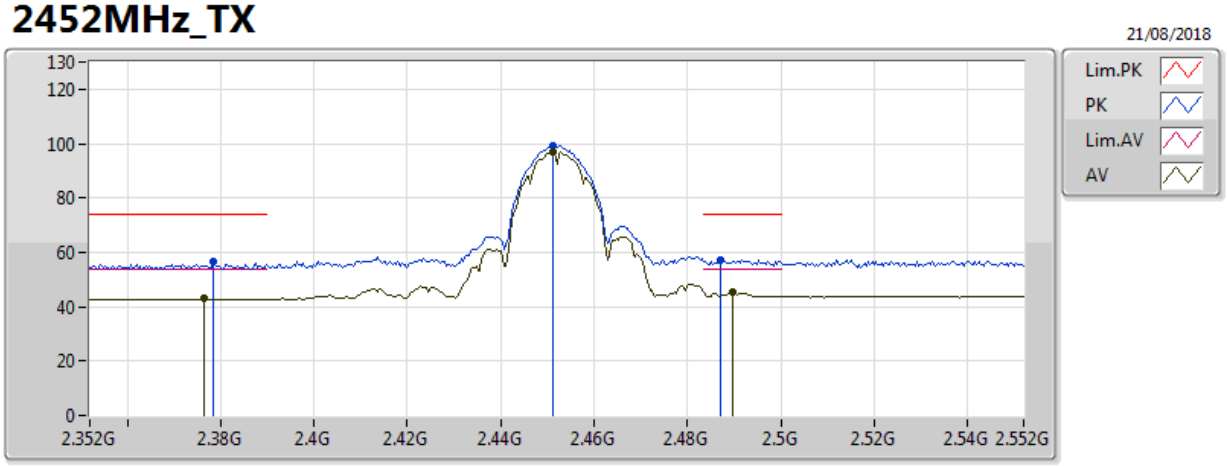
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.874G	33.81	54.00	-20.19	2.26	3	Horizontal	100	1.59	-
PK	4.87416G	44.08	74.00	-29.92	2.26	3	Horizontal	100	1.59	-

802.11b_Nss1,(1Mbps)_1TX

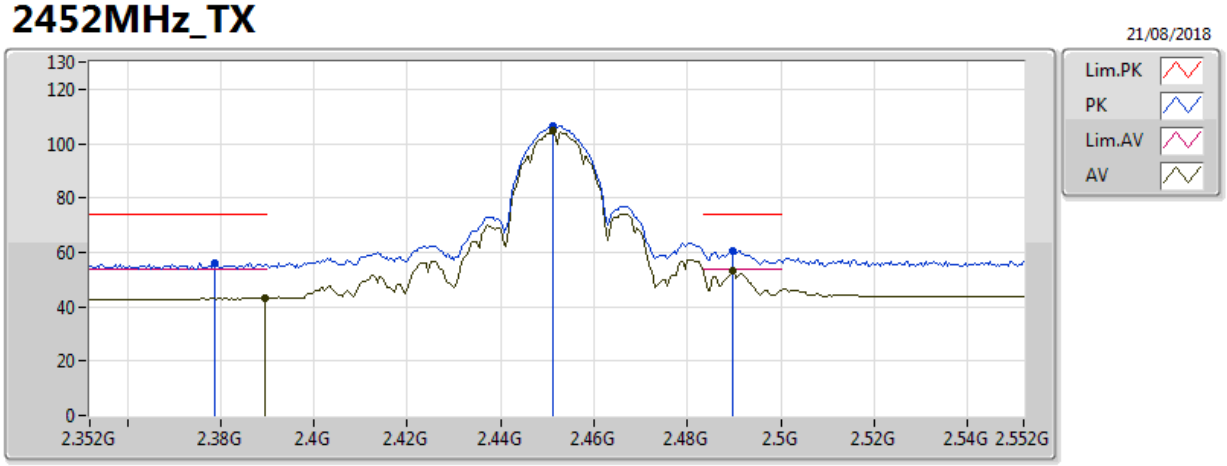
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3764G	43.22	54.00	-10.78	30.72	3	Vertical	123	1.26	-
AV	2.4512G	97.15	Inf	-Inf	30.99	3	Vertical	123	1.26	-
AV	2.4896G	45.23	54.00	-8.77	31.13	3	Vertical	123	1.26	-
PK	2.3784G	56.81	74.00	-17.19	30.73	3	Vertical	123	1.26	-
PK	2.4512G	99.31	Inf	-Inf	30.99	3	Vertical	123	1.26	-
PK	2.4872G	57.08	74.00	-16.92	31.12	3	Vertical	123	1.26	-

802.11b_Nss1,(1Mbps)_1TX

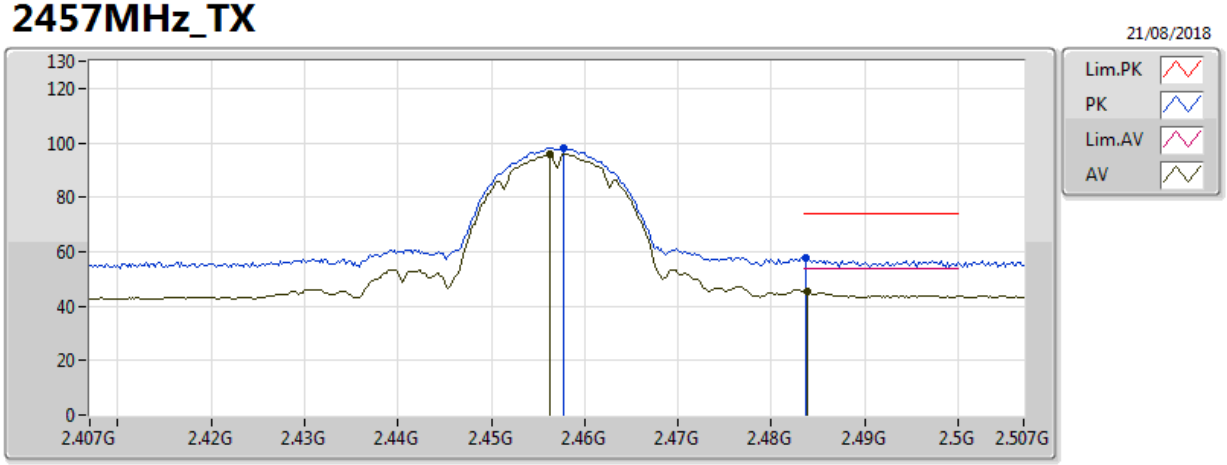
2452MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	43.29	54.00	-10.71	30.77	3	Horizontal	116	1.12	-
AV	2.4512G	104.61	Inf	-Inf	30.99	3	Horizontal	116	1.12	-
AV	2.4896G	53.10	54.00	-0.90	31.13	3	Horizontal	116	1.12	-
PK	2.3788G	55.89	74.00	-18.11	30.74	3	Horizontal	116	1.12	-
PK	2.4512G	106.68	Inf	-Inf	30.99	3	Horizontal	116	1.12	-
PK	2.4896G	60.63	74.00	-13.37	31.13	3	Horizontal	116	1.12	-

802.11b_Nss1,(1Mbps)_1TX

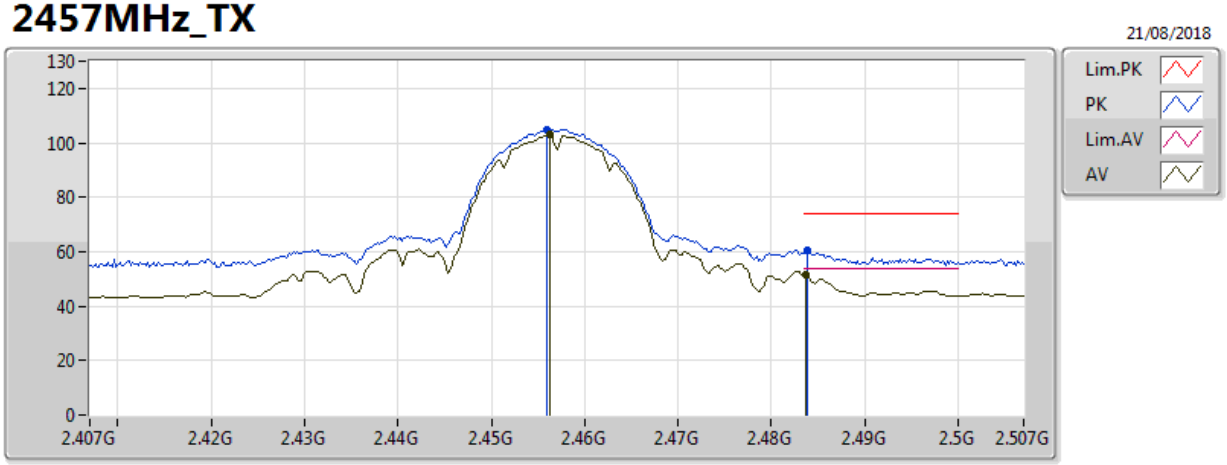
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	96.05	Inf	-Inf	31.01	3	Vertical	123	1.50	-
AV	2.4838G	45.36	54.00	-8.64	31.11	3	Vertical	123	1.50	-
PK	2.4578G	98.27	Inf	-Inf	31.02	3	Vertical	123	1.50	-
PK	2.4836G	57.45	74.00	-16.55	31.11	3	Vertical	123	1.50	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

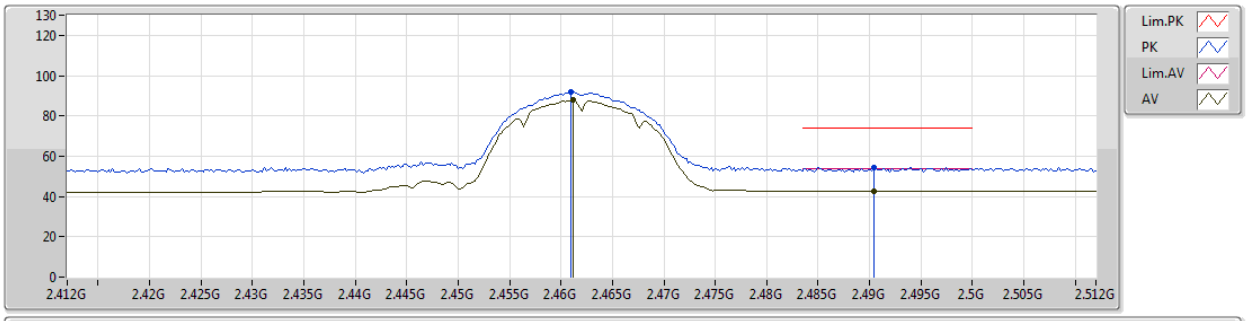


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	102.95	Inf	-Inf	31.01	3	Horizontal	118	1.14	-
AV	2.4836G	51.49	54.00	-2.51	31.11	3	Horizontal	118	1.14	-
PK	2.456G	104.99	Inf	-Inf	31.01	3	Horizontal	118	1.14	-
PK	2.4838G	60.59	74.00	-13.41	31.11	3	Horizontal	118	1.14	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

18/09/2018

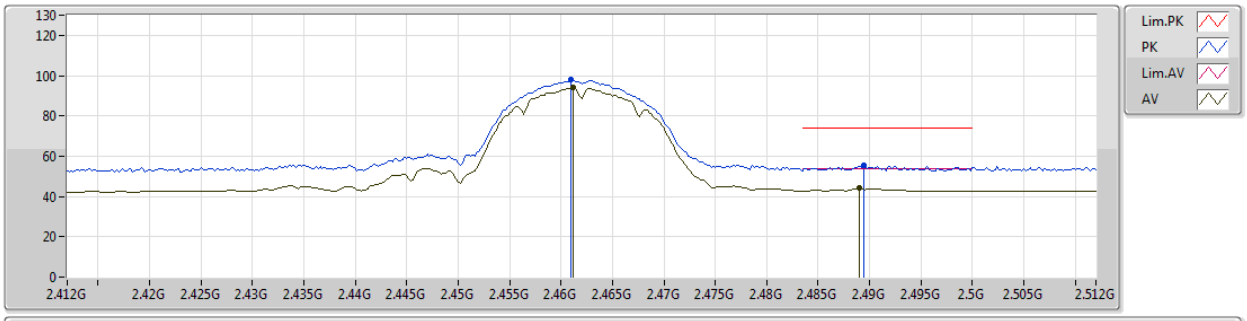


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	88.00	Inf	-Inf	30.62	3	Vertical	216	2.03	-
AV	2.4904G	42.69	54.00	-11.31	30.72	3	Vertical	216	2.03	-
PK	2.461G	91.94	Inf	-Inf	30.62	3	Vertical	216	2.03	-
PK	2.4904G	54.55	74.00	-19.45	30.72	3	Vertical	216	2.03	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

18/09/2018

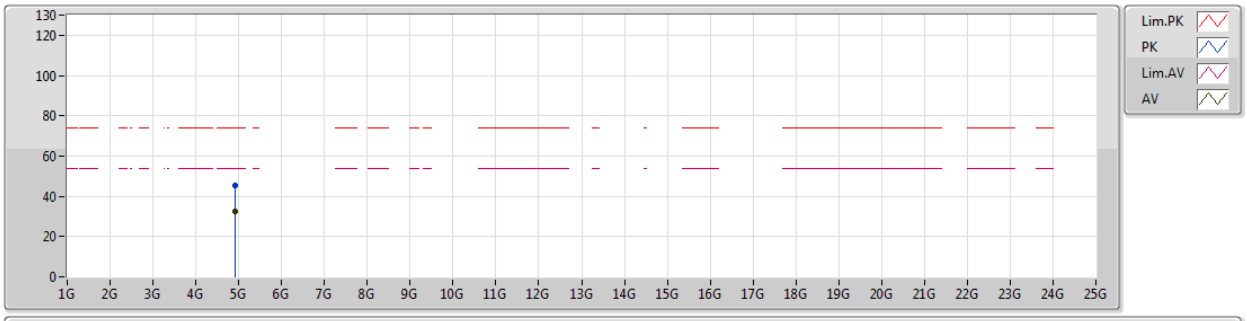


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	93.87	Inf	-Inf	30.62	3	Horizontal	119	1.23	-
AV	2.489G	44.01	54.00	-9.99	30.71	3	Horizontal	119	1.23	-
PK	2.461G	97.81	Inf	-Inf	30.62	3	Horizontal	119	1.23	-
PK	2.4894G	55.69	74.00	-18.31	30.71	3	Horizontal	119	1.23	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

18/09/2018

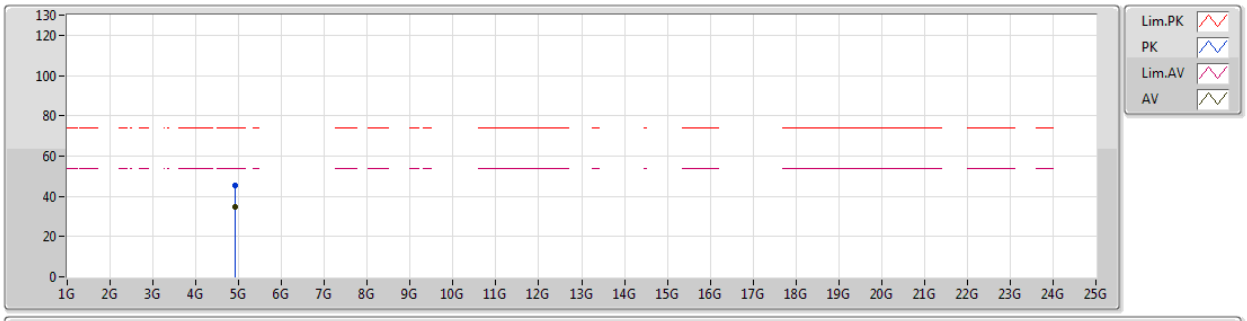


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92394G	32.37	54.00	-21.63	6.09	3	Vertical	144	2.67	-
PK	4.924G	45.39	74.00	-28.61	6.09	3	Vertical	144	2.67	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

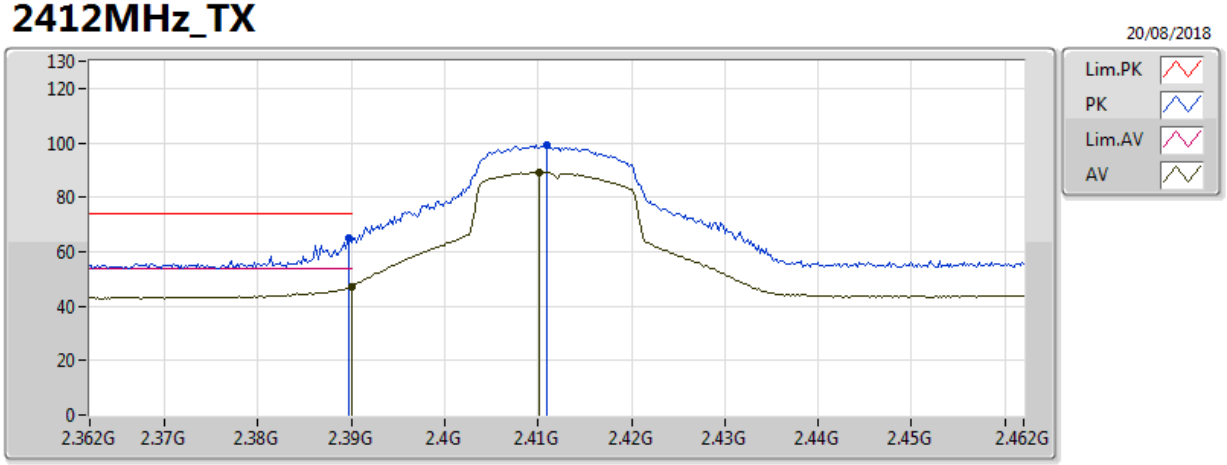
18/09/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.924G	34.88	54.00	-19.12	6.09	3	Horizontal	111	1.50	-
PK	4.92418G	45.13	74.00	-28.87	6.09	3	Horizontal	111	1.50	-

802.11g_Nss1,(6Mbps)_1TX

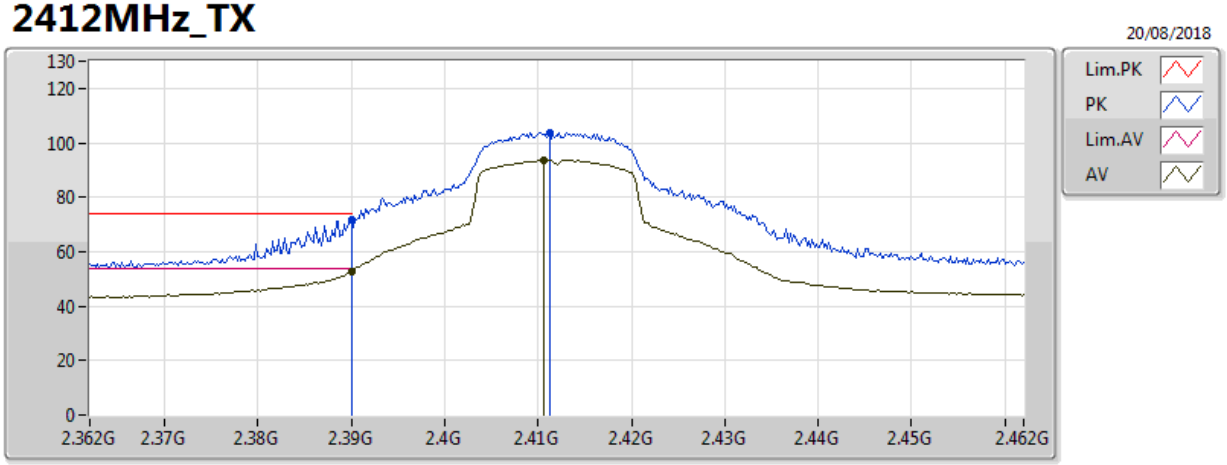
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	47.34	54.00	-6.66	30.77	3	Vertical	129	1.71	-
AV	2.4102G	89.15	Inf	-Inf	30.85	3	Vertical	129	1.71	-
PK	2.3898G	64.74	74.00	-9.26	30.77	3	Vertical	129	1.71	-
PK	2.411G	99.07	Inf	-Inf	30.85	3	Vertical	129	1.71	-

802.11g_Nss1,(6Mbps)_1TX

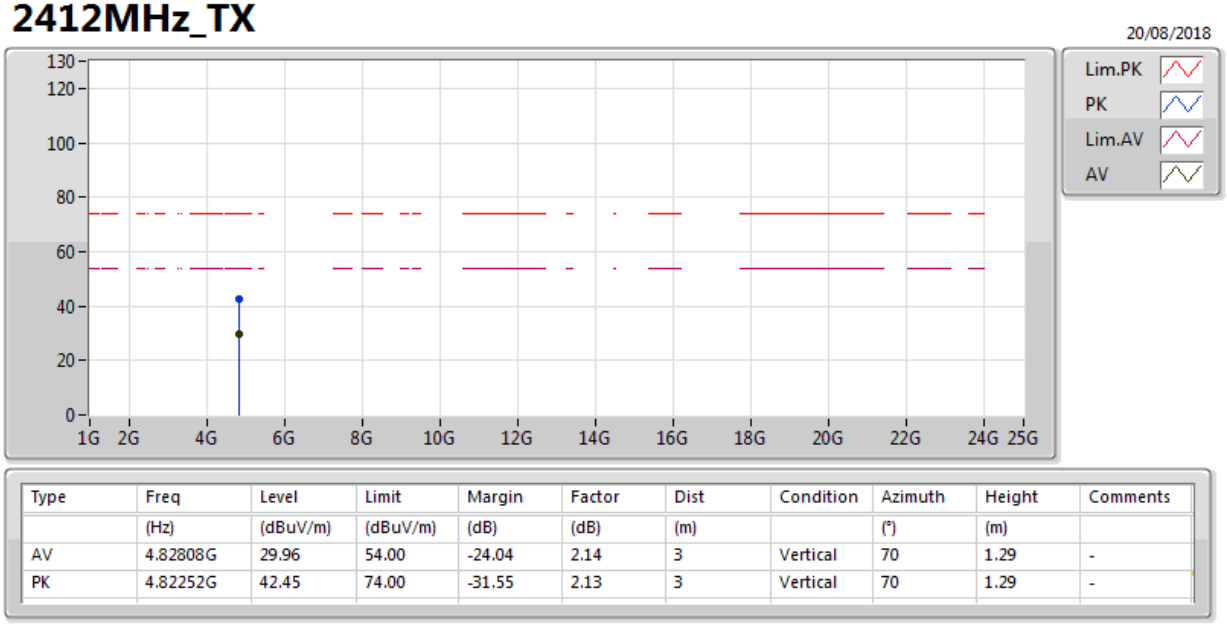
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	52.89	54.00	-1.11	30.77	3	Horizontal	119	1.59	-
AV	2.4106G	93.60	Inf	-Inf	30.85	3	Horizontal	119	1.59	-
PK	2.389998G	71.48	74.00	-2.52	30.77	3	Horizontal	119	1.59	-
PK	2.4112G	103.74	Inf	-Inf	30.85	3	Horizontal	119	1.59	-

802.11g_Nss1,(6Mbps)_1TX

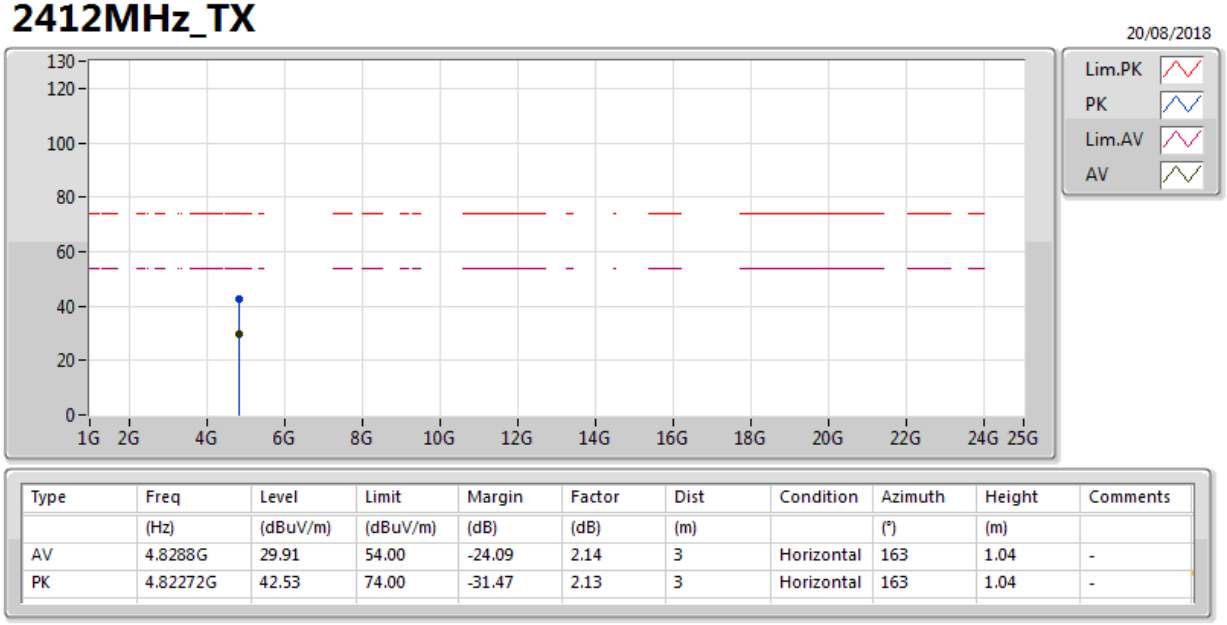
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82808G	29.96	54.00	-24.04	2.14	3	Vertical	70	1.29	-
PK	4.82252G	42.45	74.00	-31.55	2.13	3	Vertical	70	1.29	-

802.11g_Nss1,(6Mbps)_1TX

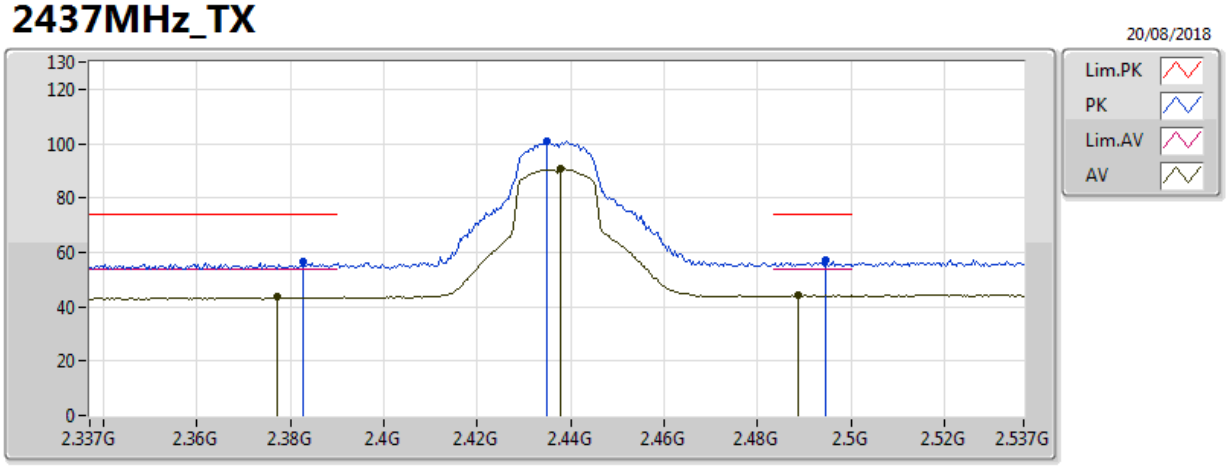
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8288G	29.91	54.00	-24.09	2.14	3	Horizontal	163	1.04	-
PK	4.82272G	42.53	74.00	-31.47	2.13	3	Horizontal	163	1.04	-

802.11g_Nss1,(6Mbps)_1TX

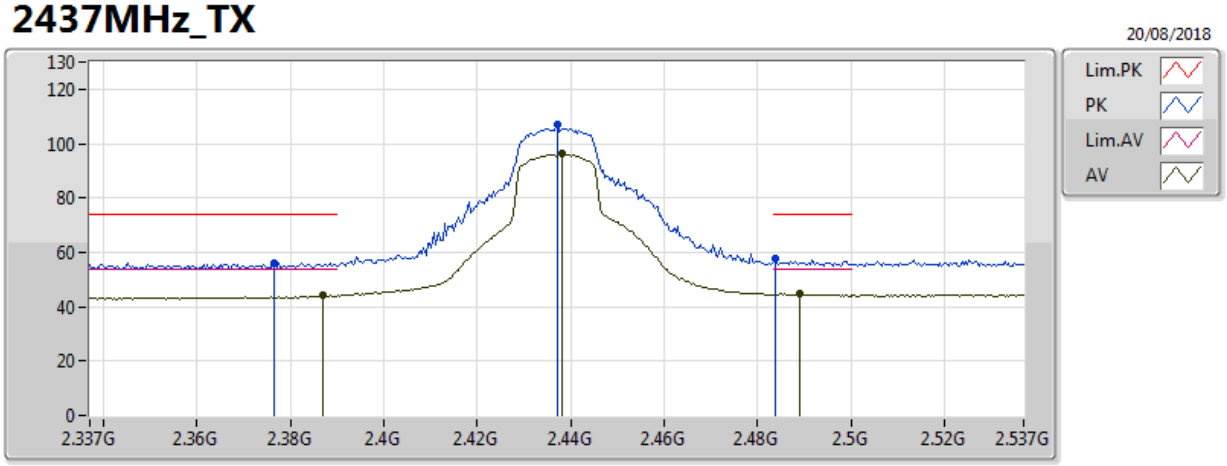
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.377G	43.58	54.00	-10.42	30.73	3	Vertical	67	1.08	-
AV	2.4378G	90.76	Inf	-Inf	30.95	3	Vertical	67	1.08	-
AV	2.4886G	44.17	54.00	-9.83	31.13	3	Vertical	67	1.08	-
PK	2.3826G	56.50	74.00	-17.50	30.75	3	Vertical	67	1.08	-
PK	2.435G	101.14	Inf	-Inf	30.94	3	Vertical	67	1.08	-
PK	2.4946G	57.10	74.00	-16.90	31.15	3	Vertical	67	1.08	-

802.11g_Nss1,(6Mbps)_1TX

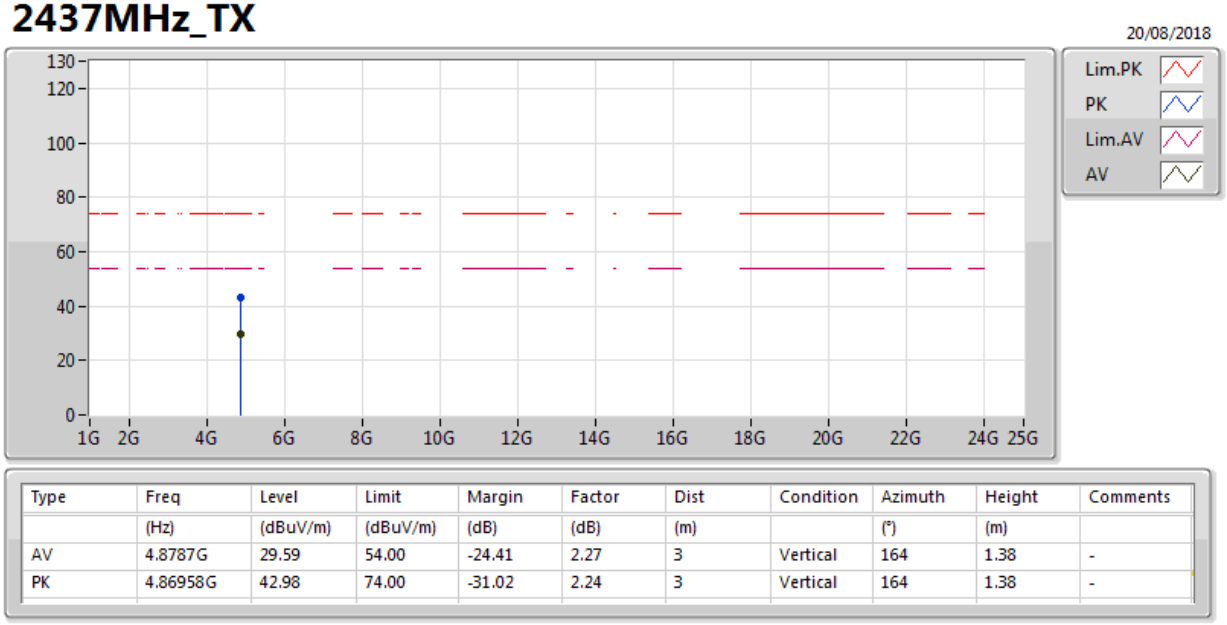
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.387G	44.07	54.00	-9.93	30.76	3	Horizontal	114	1.20	-
AV	2.4382G	96.16	Inf	-Inf	30.95	3	Horizontal	114	1.20	-
AV	2.489G	44.65	54.00	-9.35	31.13	3	Horizontal	114	1.20	-
PK	2.3766G	56.28	74.00	-17.72	30.72	3	Horizontal	114	1.20	-
PK	2.437G	106.88	Inf	-Inf	30.94	3	Horizontal	114	1.20	-
PK	2.4838G	57.91	74.00	-16.09	31.11	3	Horizontal	114	1.20	-

802.11g_Nss1,(6Mbps)_1TX

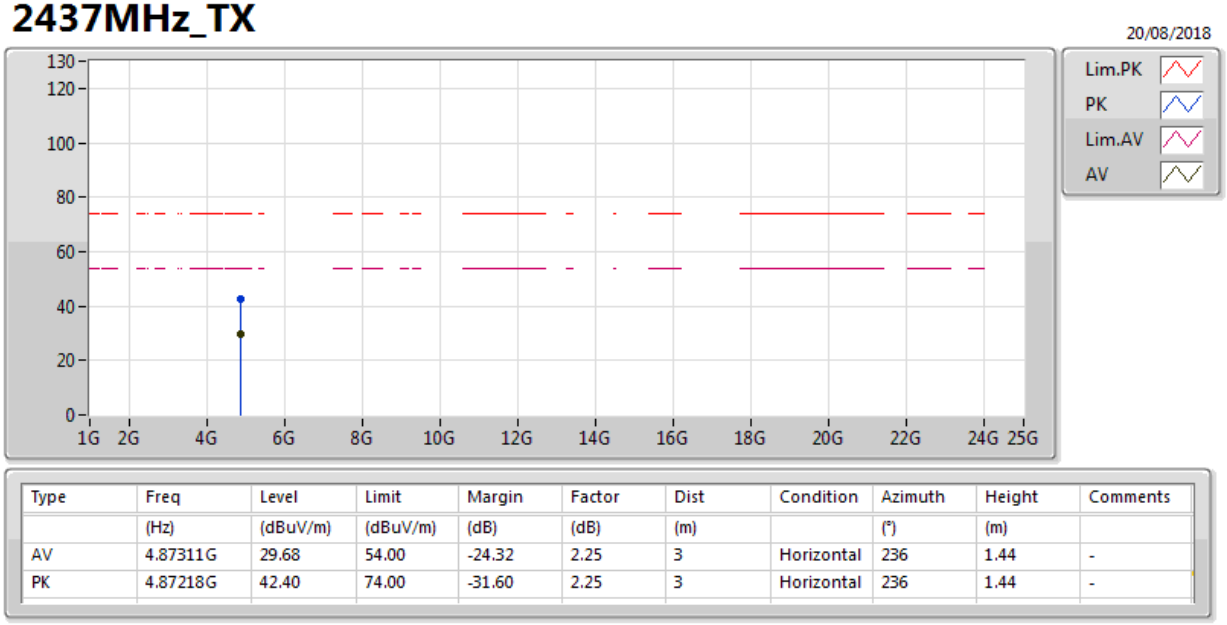
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8787G	29.59	54.00	-24.41	2.27	3	Vertical	164	1.38	-
PK	4.86958G	42.98	74.00	-31.02	2.24	3	Vertical	164	1.38	-

802.11g_Nss1,(6Mbps)_1TX

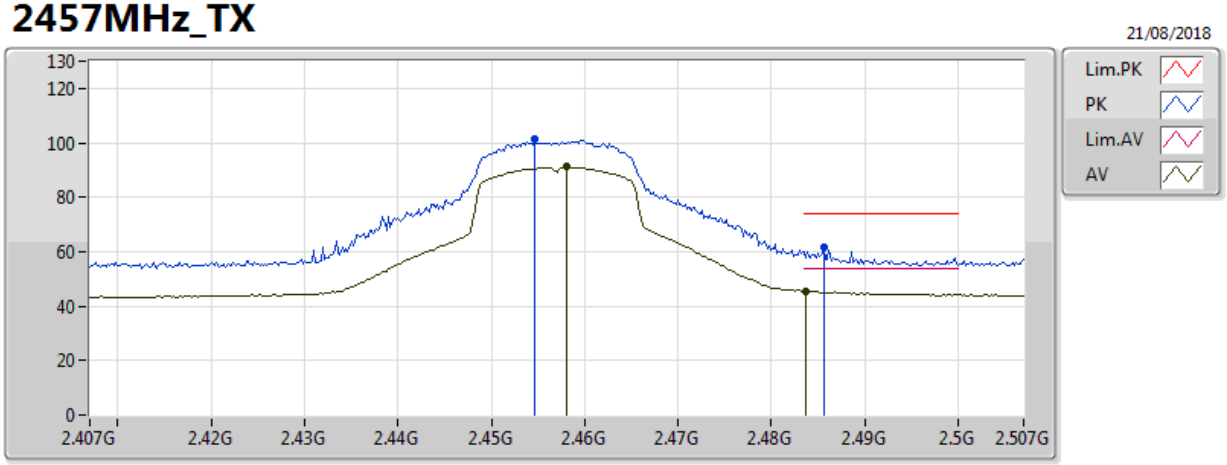
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87311G	29.68	54.00	-24.32	2.25	3	Horizontal	236	1.44	-
PK	4.87218G	42.40	74.00	-31.60	2.25	3	Horizontal	236	1.44	-

802.11g_Nss1,(6Mbps)_1TX

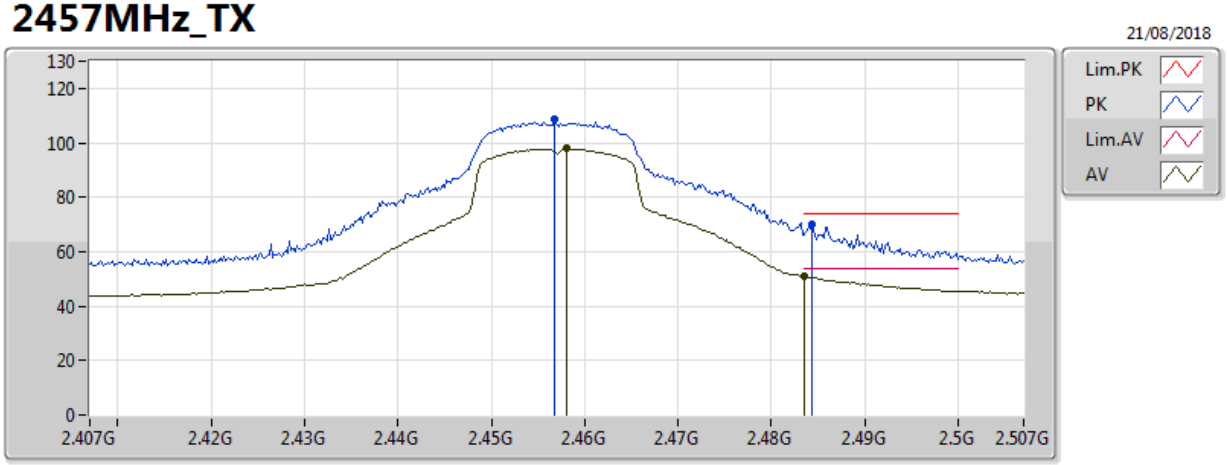
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.458G	91.09	Inf	-Inf	31.02	3	Vertical	123	1.50	-
AV	2.4836G	45.58	54.00	-8.42	31.11	3	Vertical	123	1.50	-
PK	2.4546G	101.21	Inf	-Inf	31.01	3	Vertical	123	1.50	-
PK	2.4856G	61.54	74.00	-12.46	31.12	3	Vertical	123	1.50	-

802.11g_Nss1,(6Mbps)_1TX

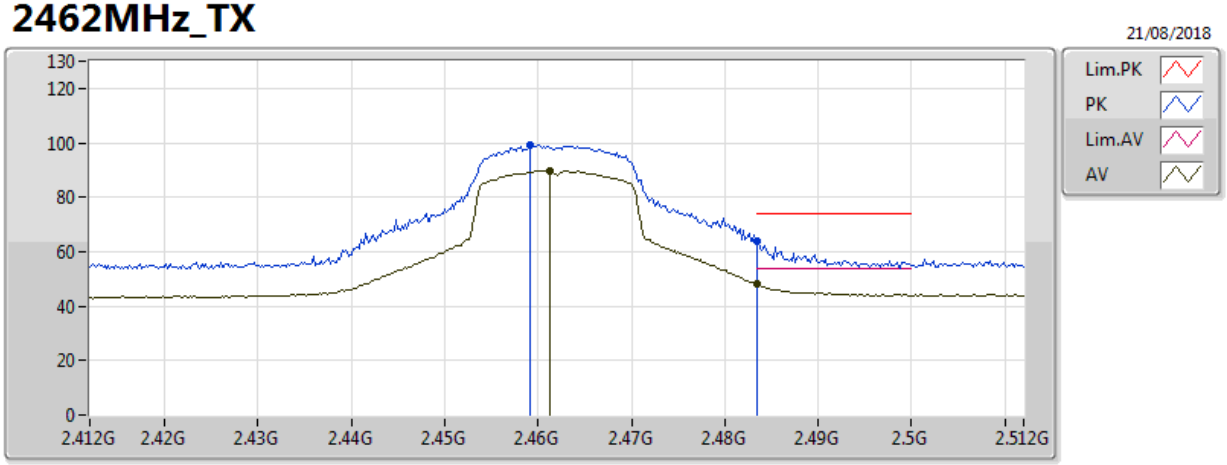
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.458G	97.80	Inf	-Inf	31.02	3	Horizontal	117	1.01	-
AV	2.483502G	50.86	54.00	-3.14	31.11	3	Horizontal	117	1.01	-
PK	2.4568G	108.55	Inf	-Inf	31.01	3	Horizontal	117	1.01	-
PK	2.4844G	70.09	74.00	-3.91	31.12	3	Horizontal	117	1.01	-

802.11g_Nss1,(6Mbps)_1TX

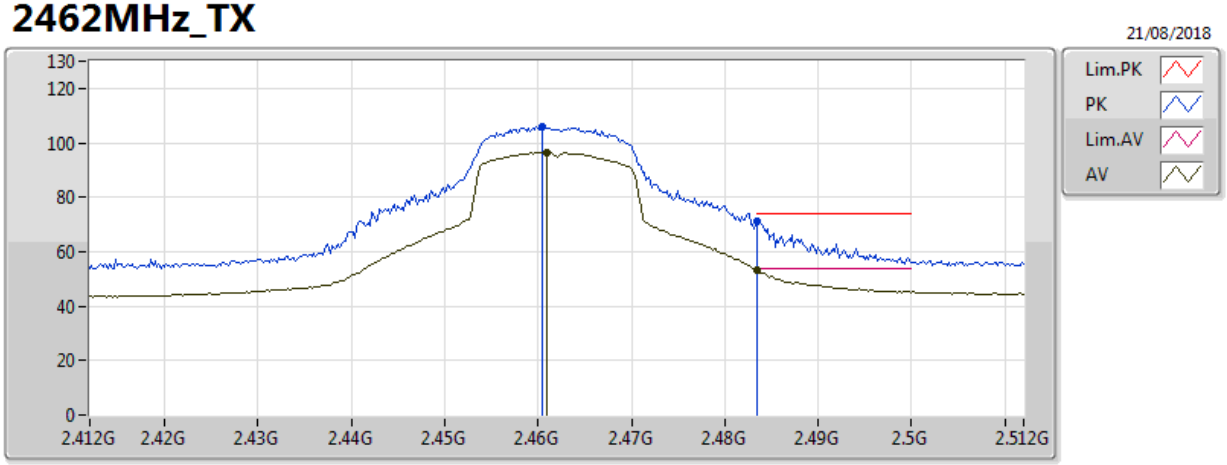
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	89.83	Inf	-Inf	31.03	3	Vertical	122	1.55	-
AV	2.483502G	48.01	54.00	-5.99	31.11	3	Vertical	122	1.55	-
PK	2.4592G	99.15	Inf	-Inf	31.02	3	Vertical	122	1.55	-
PK	2.483502G	63.88	74.00	-10.12	31.11	3	Vertical	122	1.55	-

802.11g_Nss1,(6Mbps)_1TX

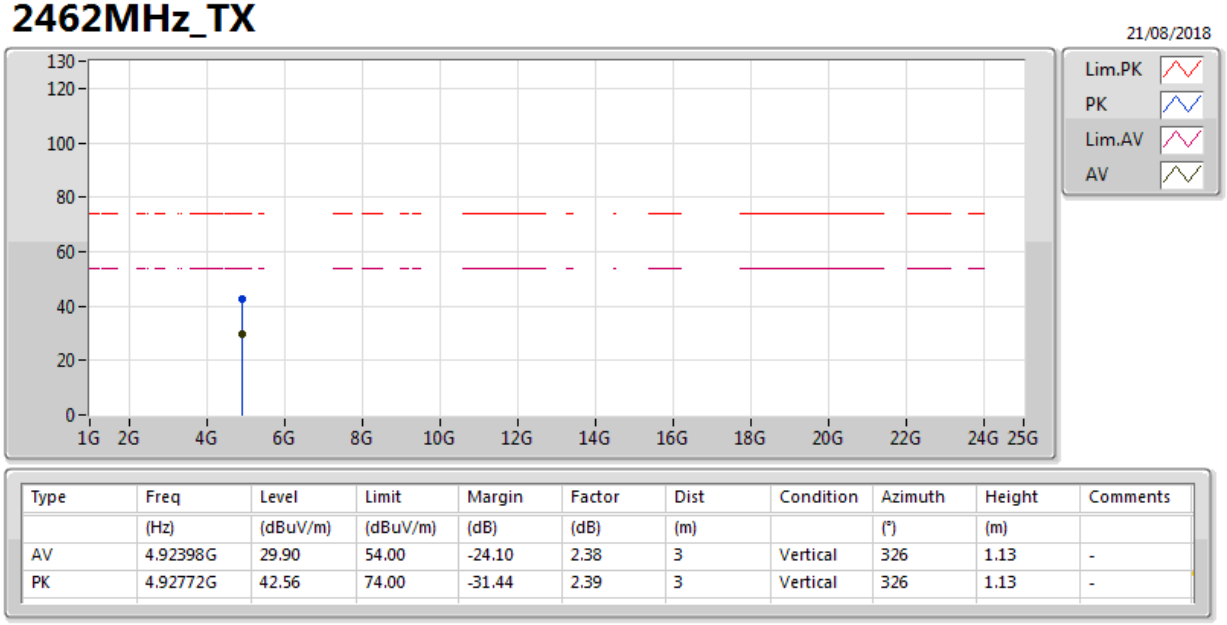
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.461G	96.57	Inf	-Inf	31.03	3	Horizontal	117	1.42	-
AV	2.483502G	53.09	54.00	-0.91	31.11	3	Horizontal	117	1.42	-
PK	2.4604G	106.14	Inf	-Inf	31.03	3	Horizontal	117	1.42	-
PK	2.483502G	71.21	74.00	-2.79	31.11	3	Horizontal	117	1.42	-

802.11g_Nss1,(6Mbps)_1TX

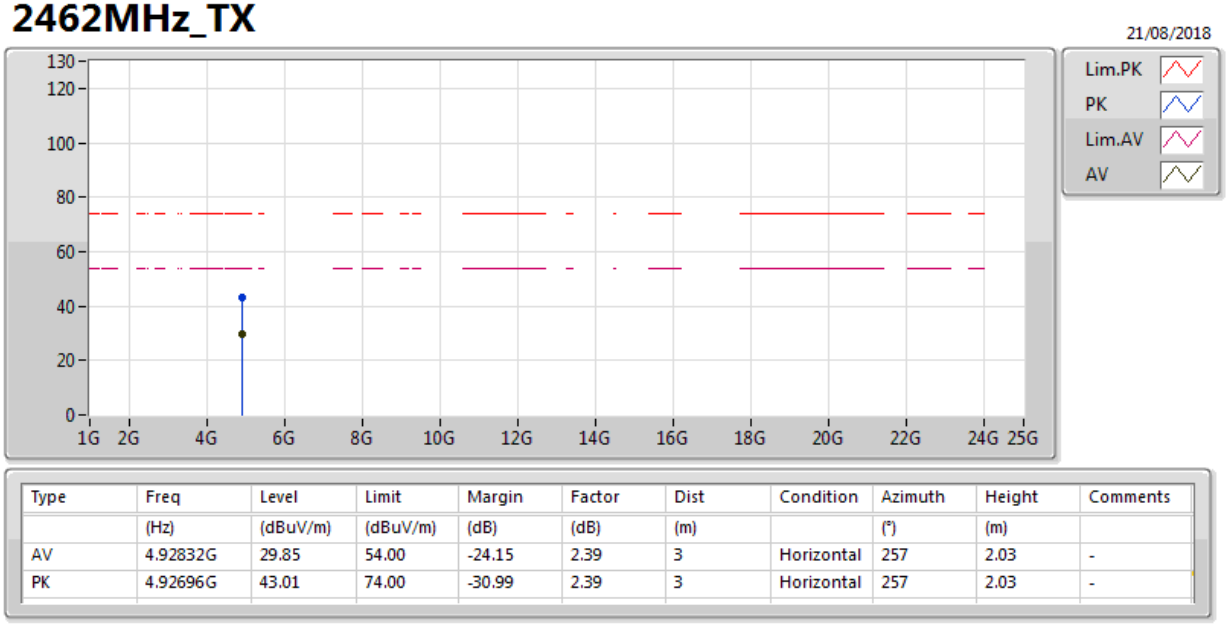
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92398G	29.90	54.00	-24.10	2.38	3	Vertical	326	1.13	-
PK	4.92772G	42.56	74.00	-31.44	2.39	3	Vertical	326	1.13	-

802.11g_Nss1,(6Mbps)_1TX

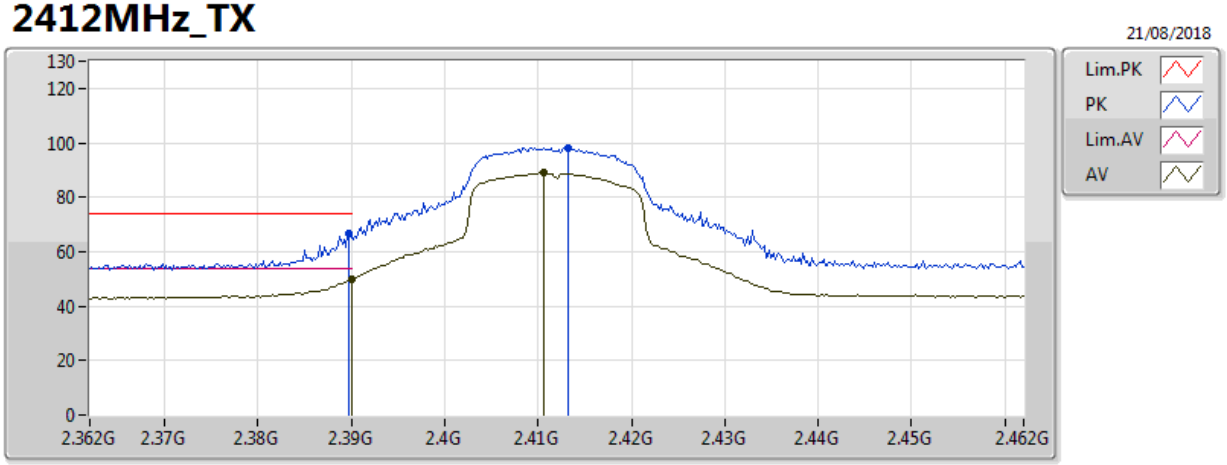
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92832G	29.85	54.00	-24.15	2.39	3	Horizontal	257	2.03	-
PK	4.92696G	43.01	74.00	-30.99	2.39	3	Horizontal	257	2.03	-

802.11n HT20_Nss1,(MCS0)_1TX

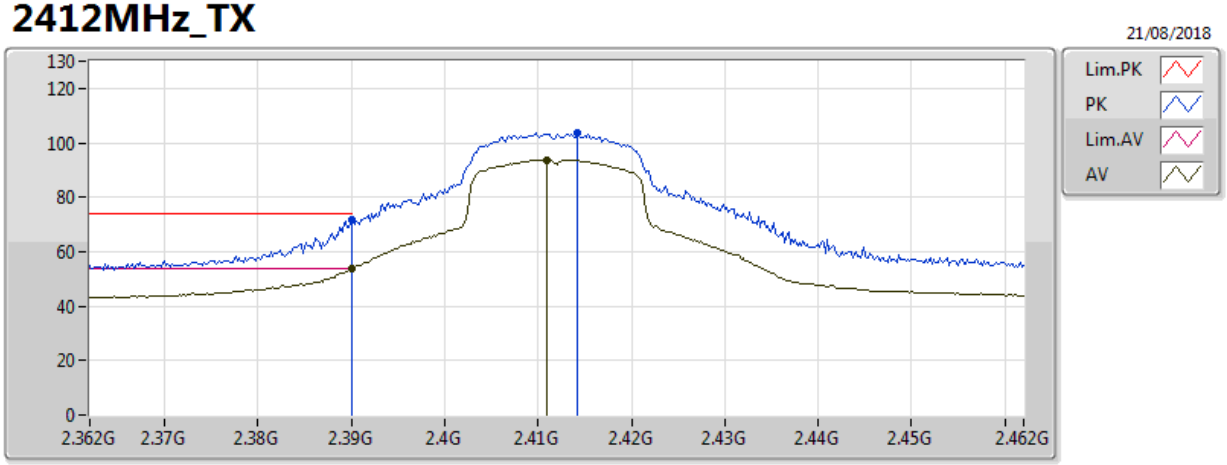
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	49.87	54.00	-4.13	30.77	3	Vertical	119	1.94	-
AV	2.4106G	88.94	Inf	-Inf	30.85	3	Vertical	119	1.94	-
PK	2.3898G	66.61	74.00	-7.39	30.77	3	Vertical	119	1.94	-
PK	2.4132G	98.32	Inf	-Inf	30.86	3	Vertical	119	1.94	-

802.11n HT20_Nss1,(MCS0)_1TX

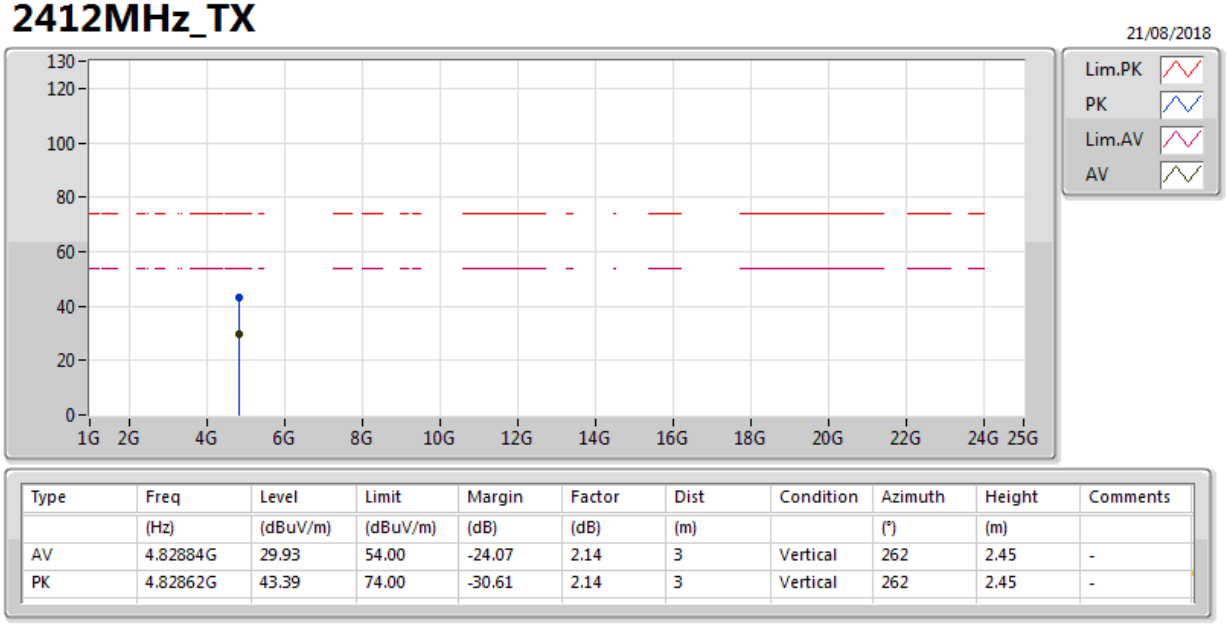
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389998G	53.66	54.00	-0.34	30.77	3	Horizontal	128	1.47	-
AV	2.411G	93.76	Inf	-Inf	30.85	3	Horizontal	128	1.47	-
PK	2.389998G	71.84	74.00	-2.16	30.77	3	Horizontal	128	1.47	-
PK	2.4142G	103.61	Inf	-Inf	30.86	3	Horizontal	128	1.47	-

802.11n HT20_Nss1,(MCS0)_1TX

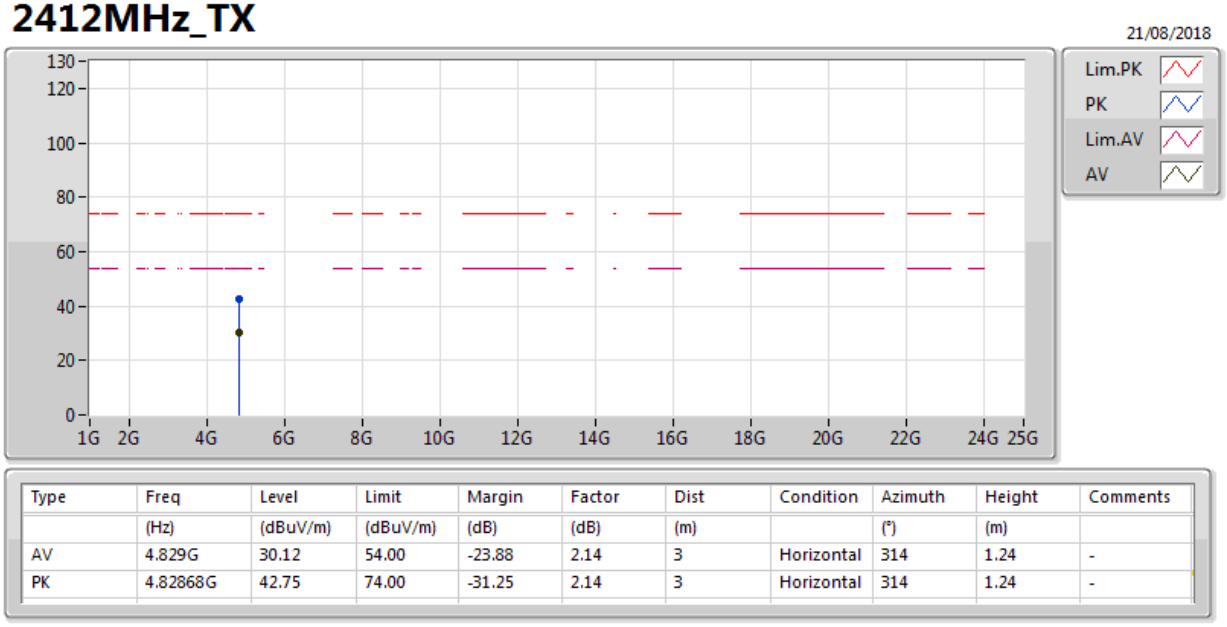
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82884G	29.93	54.00	-24.07	2.14	3	Vertical	262	2.45	-
PK	4.82862G	43.39	74.00	-30.61	2.14	3	Vertical	262	2.45	-

802.11n HT20_Nss1,(MCS0)_1TX

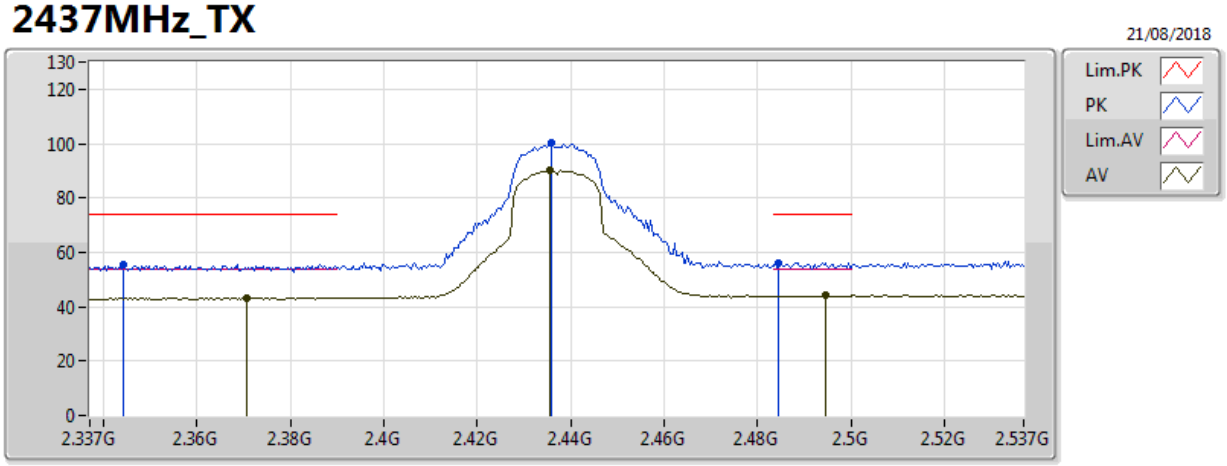
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.829G	30.12	54.00	-23.88	2.14	3	Horizontal	314	1.24	-
PK	4.82868G	42.75	74.00	-31.25	2.14	3	Horizontal	314	1.24	-

802.11n HT20_Nss1,(MCS0)_1TX

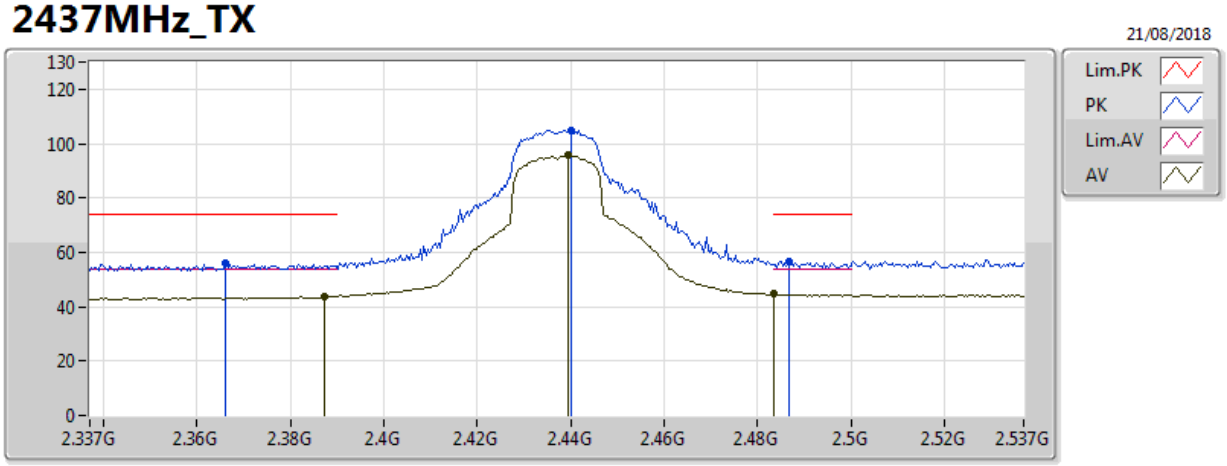
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3706G	43.26	54.00	-10.74	30.71	3	Vertical	66	1.09	-
AV	2.4354G	90.09	Inf	-Inf	30.94	3	Vertical	66	1.09	-
AV	2.4946G	44.02	54.00	-9.98	31.15	3	Vertical	66	1.09	-
PK	2.3442G	55.36	74.00	-18.64	30.61	3	Vertical	66	1.09	-
PK	2.4358G	100.07	Inf	-Inf	30.94	3	Vertical	66	1.09	-
PK	2.4846G	56.13	74.00	-17.87	31.12	3	Vertical	66	1.09	-

802.11n HT20_Nss1,(MCS0)_1TX

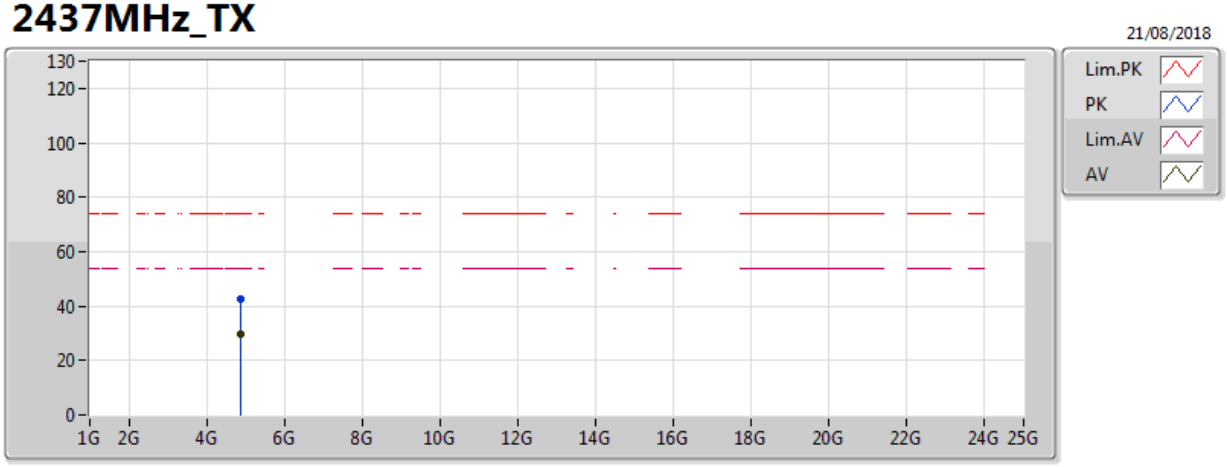
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3874G	43.70	54.00	-10.30	30.76	3	Horizontal	114	1.39	-
AV	2.4394G	95.70	Inf	-Inf	30.95	3	Horizontal	114	1.39	-
AV	2.483502G	44.69	54.00	-9.31	31.11	3	Horizontal	114	1.39	-
PK	2.3662G	55.79	74.00	-18.21	30.70	3	Horizontal	114	1.39	-
PK	2.4402G	105.03	Inf	-Inf	30.95	3	Horizontal	114	1.39	-
PK	2.4866G	56.41	74.00	-17.59	31.12	3	Horizontal	114	1.39	-

802.11n HT20_Nss1,(MCS0)_1TX

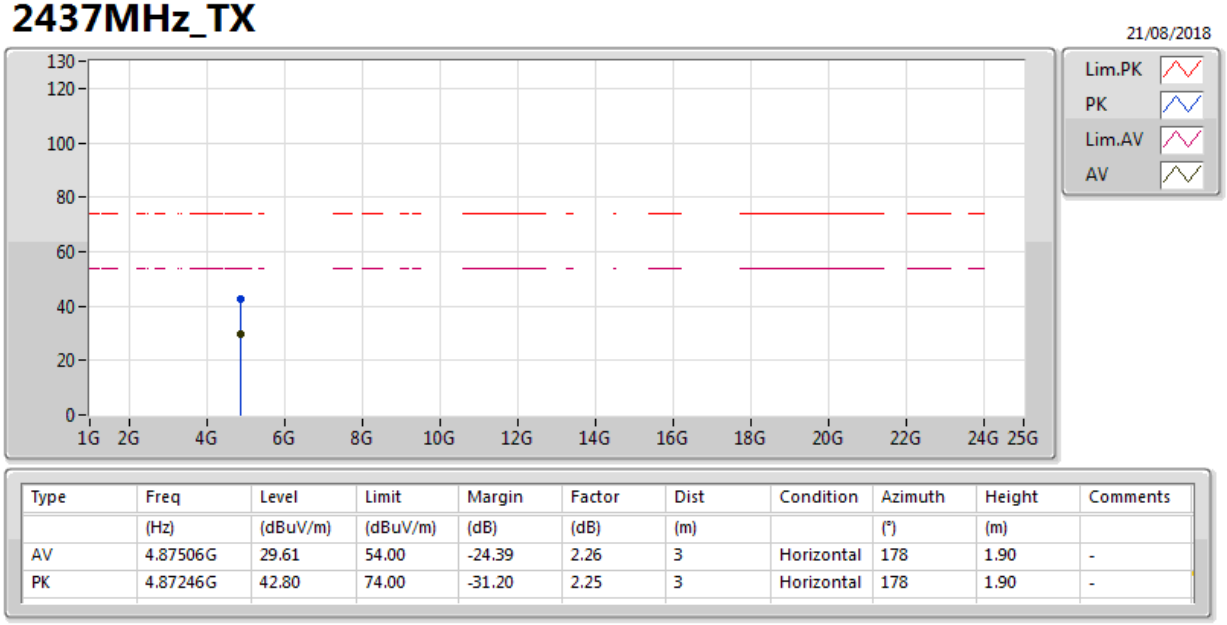
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87614G	29.56	54.00	-24.44	2.26	3	Vertical	356	2.28	-
PK	4.87786G	42.53	74.00	-31.47	2.26	3	Vertical	356	2.28	-

802.11n HT20_Nss1,(MCS0)_1TX

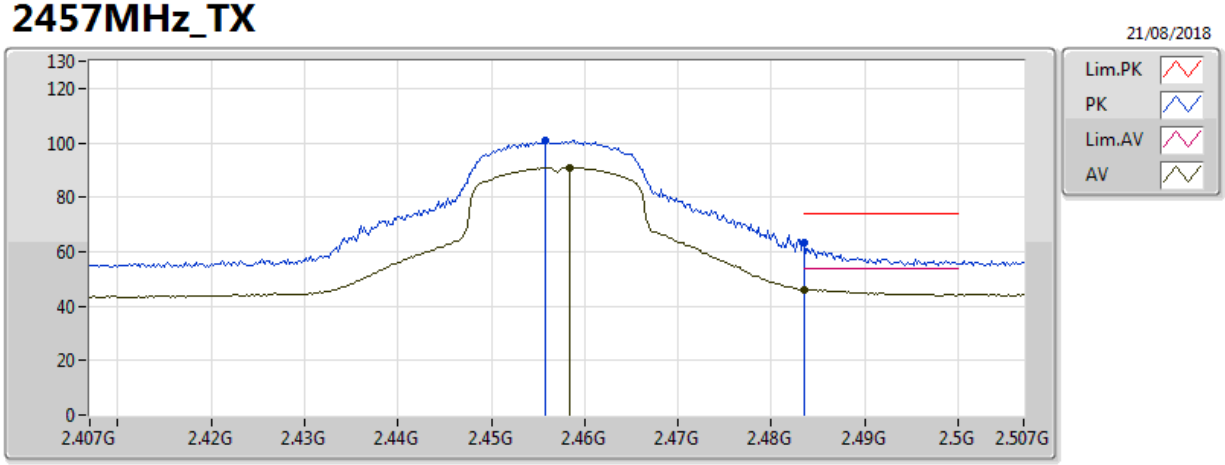
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87506G	29.61	54.00	-24.39	2.26	3	Horizontal	178	1.90	-
PK	4.87246G	42.80	74.00	-31.20	2.25	3	Horizontal	178	1.90	-

802.11n HT20_Nss1,(MCS0)_1TX

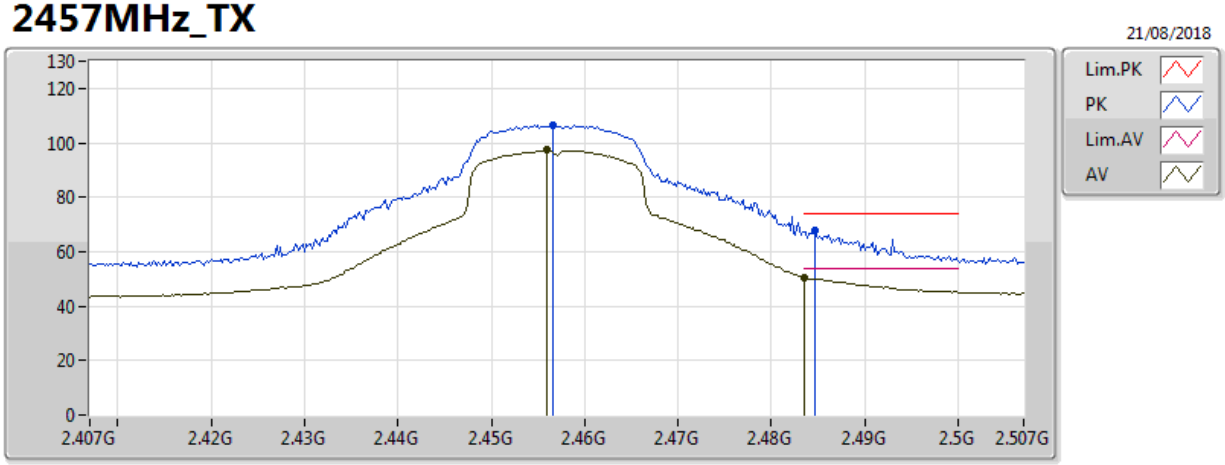
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4584G	91.00	Inf	-Inf	31.02	3	Vertical	122	1.50	-
AV	2.483502G	46.13	54.00	-7.87	31.11	3	Vertical	122	1.50	-
PK	2.4558G	100.75	Inf	-Inf	31.01	3	Vertical	122	1.50	-
PK	2.483502G	63.16	74.00	-10.84	31.11	3	Vertical	122	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

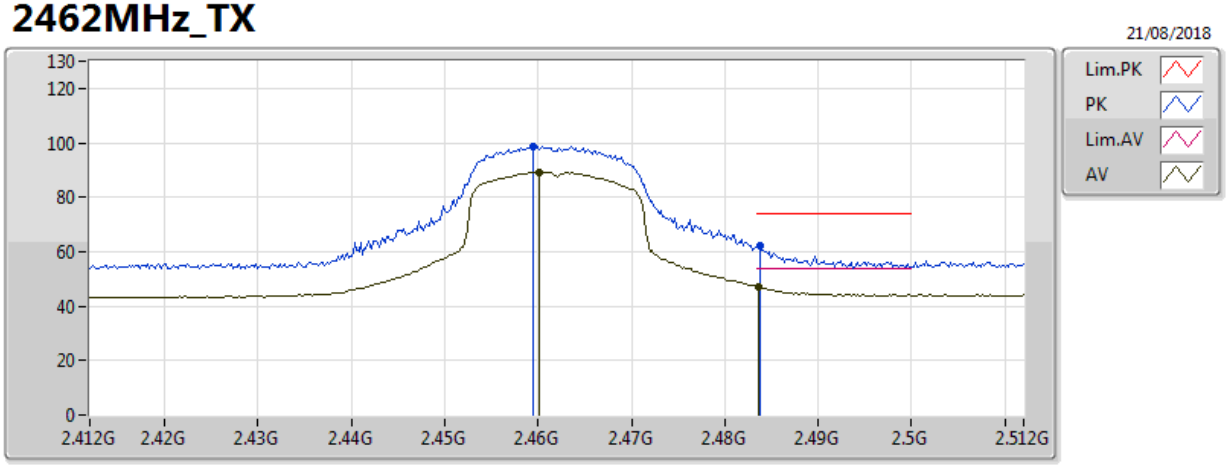
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.456G	97.22	Inf	-Inf	31.01	3	Horizontal	117	1.40	-
AV	2.483502G	50.51	54.00	-3.49	31.11	3	Horizontal	117	1.40	-
PK	2.4566G	106.73	Inf	-Inf	31.01	3	Horizontal	117	1.40	-
PK	2.4846G	67.97	74.00	-6.03	31.12	3	Horizontal	117	1.40	-

802.11n HT20_Nss1,(MCS0)_1TX

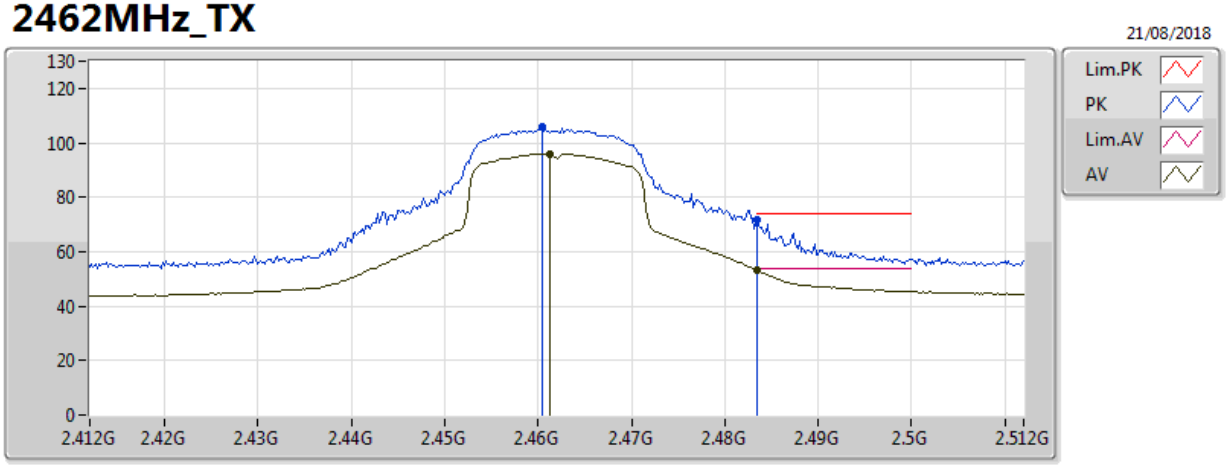
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4602G	89.35	Inf	-Inf	31.03	3	Vertical	122	1.50	-
AV	2.4836G	47.06	54.00	-6.94	31.11	3	Vertical	122	1.50	-
PK	2.4594G	98.86	Inf	-Inf	31.02	3	Vertical	122	1.50	-
PK	2.4838G	62.35	74.00	-11.65	31.11	3	Vertical	122	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

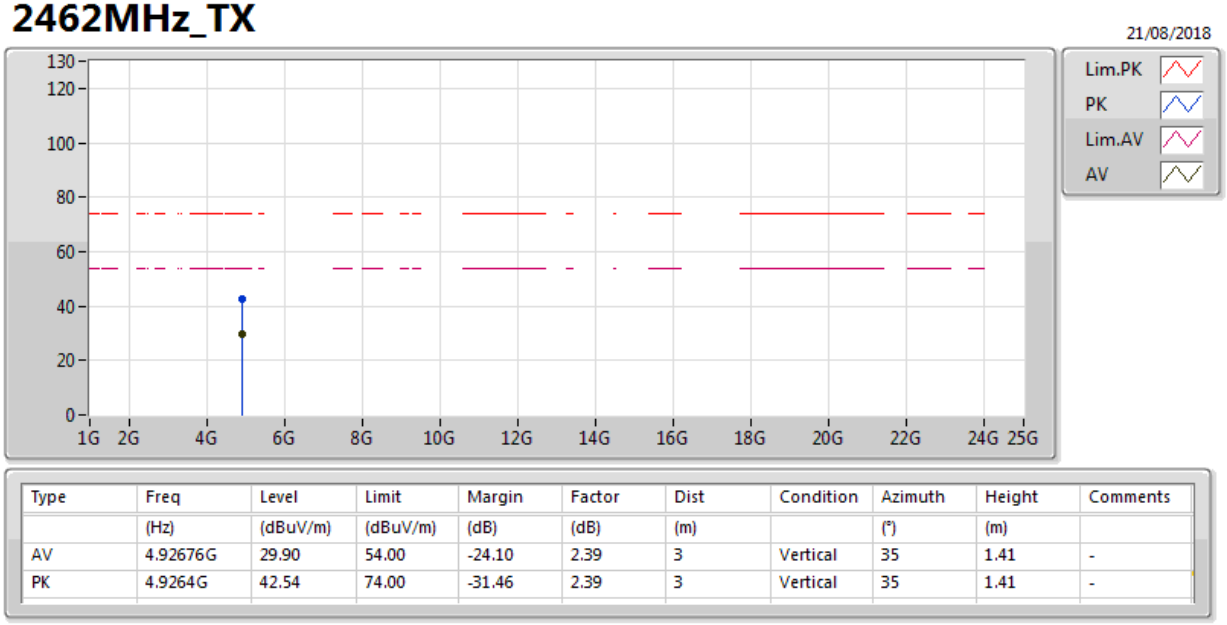
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	95.96	Inf	-Inf	31.03	3	Horizontal	116	1.01	-
AV	2.483502G	53.15	54.00	-0.85	31.11	3	Horizontal	116	1.01	-
PK	2.4604G	105.91	Inf	-Inf	31.03	3	Horizontal	116	1.01	-
PK	2.483502G	71.83	74.00	-2.17	31.11	3	Horizontal	116	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

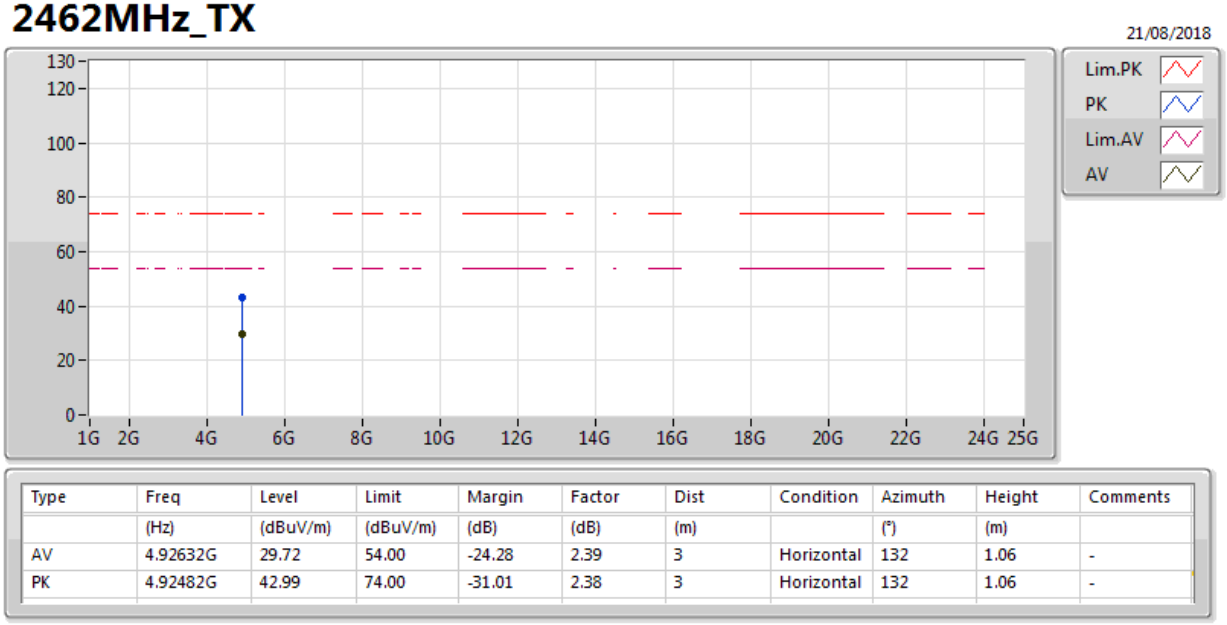
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92676G	29.90	54.00	-24.10	2.39	3	Vertical	35	1.41	-
PK	4.9264G	42.54	74.00	-31.46	2.39	3	Vertical	35	1.41	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92632G	29.72	54.00	-24.28	2.39	3	Horizontal	132	1.06	-
PK	4.92482G	42.99	74.00	-31.01	2.38	3	Horizontal	132	1.06	-