FCC Test Report

FCC ID	:	**2AJ7M-MN1H**
Equipment	:	**Air Mini(+)**
Brand Name	:	**Molekule**
Model Name	:	**MN1H-US , MN1L-US**
Applicant	:	**Molekule Inc. 1301 Folsom St. San Francisco CA 94103 United States Of America**
Manufacturer 1	:	**Inventec Appliances(Pudong)Corporation NO.789 Puxing Road Shanghai N/A China**
Manufacturer 2	:	**Scope Manufacturers (M) Sdn. Bhd. Lot 6181, Jalan Perusahaan 2, Kawasan Perindustrian Parit Buntar, 34200 Parit Buntar, Perak Darul Ridzuan, Malaysia**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Oct. 20, 2020, and testing was started from Oct. 29, 2020 and completed on Nov. 04, 2020. 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 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
FR0O1626AC	01	Initial issue of report	Jan. 07, 2021

Summary of Test Result

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

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
None

Reviewed by: Sam Tsai
Report Producer: Debby Hung

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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	-	-	PCB antenna	murata	4.80

For 2.4GHz function:

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

Support diversity function and pre-tested on each single chain, the worst case was Ant. 2 and it was record in this test report.

1.1.3 Table for Multiple Listing

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

Brand Name	Model Name	Description
Molekule	MN1H-US	All the models are identical, the difference model for difference brand served as marketing strategy.
Molekule	MN1L-US	

1.1.4 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 / Model No.:	…
☐	Other:	

1.1.5 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_1TX(Port2)	0.458	3.39	4.532m	300
802.11g_Nss1,(6Mbps)_1TX(Port2)	0.423	3.74	2.114m	1k
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	0.394	4.05	1.97m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

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

The following reference test guidance is not within the scope of accreditation of TAF:

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
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.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward	22.5~24.3°C / 56~63%	04/Nov/2020
RF Conducted	TH06-HY	Alan	20.1~26.9°C / 50~60%	29/Oct/2020~30/Oct/2020
Radiated	03CH02-HY	Daniel	20.3~25.7°C / 52~66%	29/Oct/2020~03/Nov/2020

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)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	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 Version	Dos6.1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX(Port2)	-
2412MHz	20
2437MHz	20
2462MHz	20
802.11g_Nss1,(6Mbps)_1TX(Port2)	-
2412MHz	15
2417MHz	18
2437MHz	20
2457MHz	17
2462MHz	14
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-
2412MHz	13
2417MHz	17
2437MHz	20
2457MHz	16
2462MHz	12

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

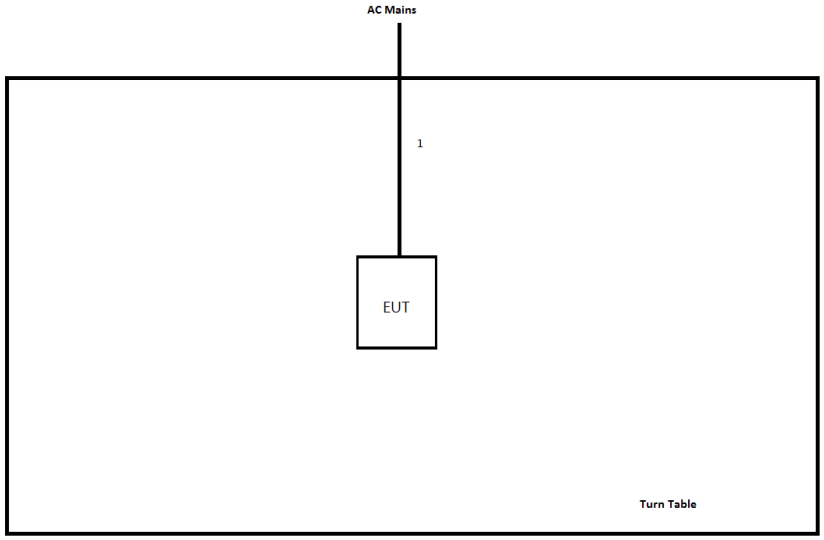
The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be 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	**Z Plane**
	
Worst Planes of EUT	V

2.4 Support Equipment

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

2.5 Test Setup Diagram

Test Setup Diagram



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-

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

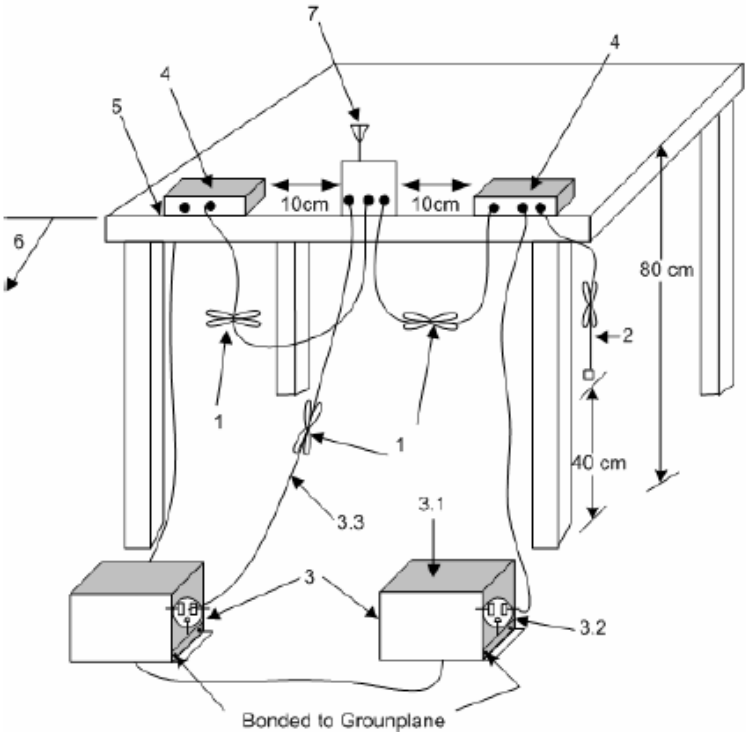
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



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

3.1.6 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.

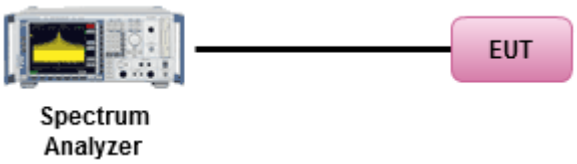
3.2.2 Measuring Instruments

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 (11.8 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

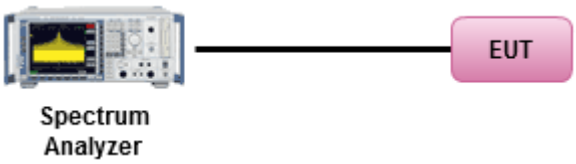
3.4.2 Measuring Instruments

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) Max. PSD.
▪ 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 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 level.

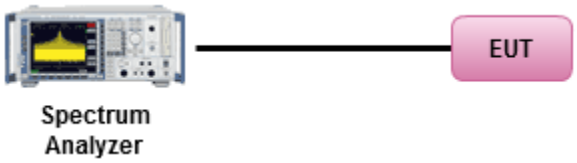
3.5.2 Measuring Instruments

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.

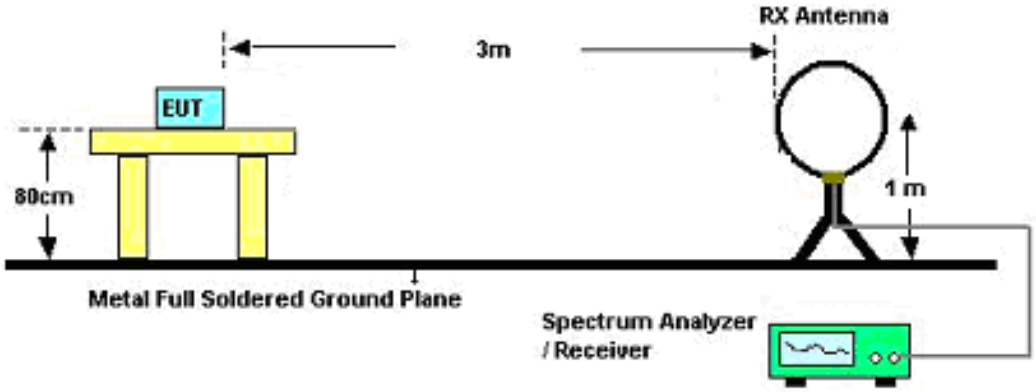
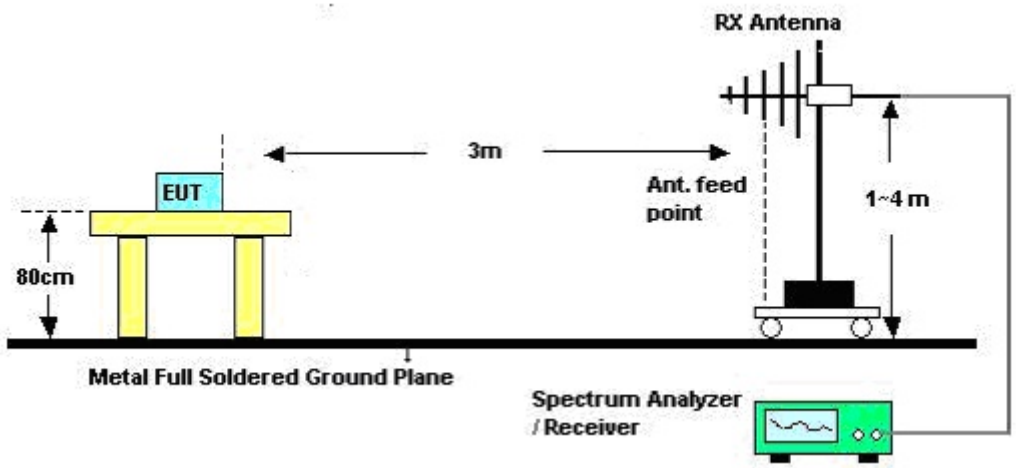
3.6.3 Test Procedures

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.
▪ Use the following spectrum analyzer settings:	
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	▪ Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

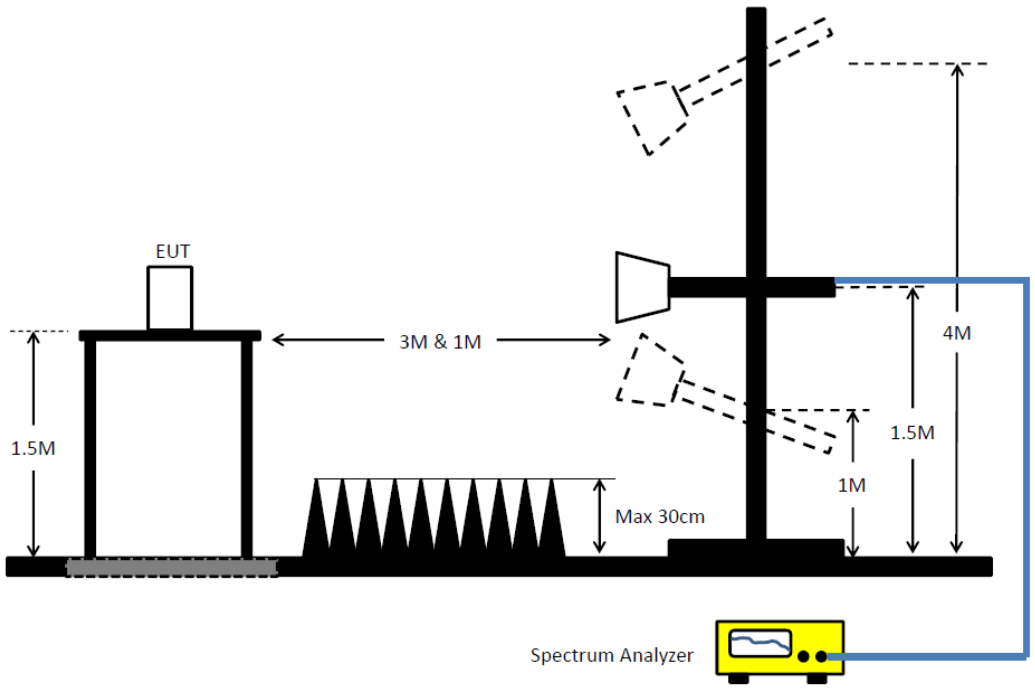
3.6.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.6.6 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.

3.6.7 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
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	100003	9kHz ~ 30MHz	23/Sep/2020	22/Sep/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

NCR: Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	15/Feb/2020	14/Feb/2021
Programmable Temp. & Humi. Chamber	Giant Force	GTH-225-40-CP-AR	MAA1611-005	-40~100℃	09/Dec/2019	08/Dec/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/2021

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021

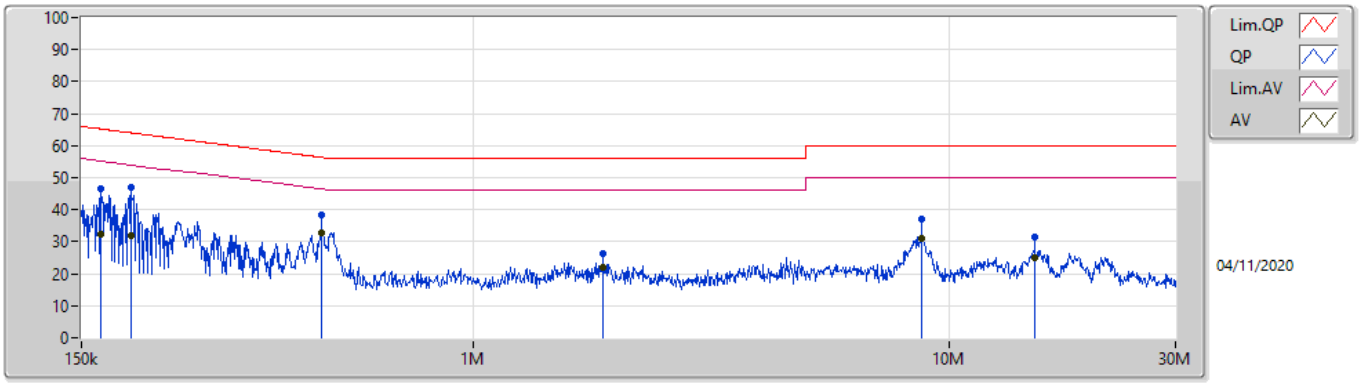
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	479.294k	32.97	46.34	-13.37	Line

Mode Configure

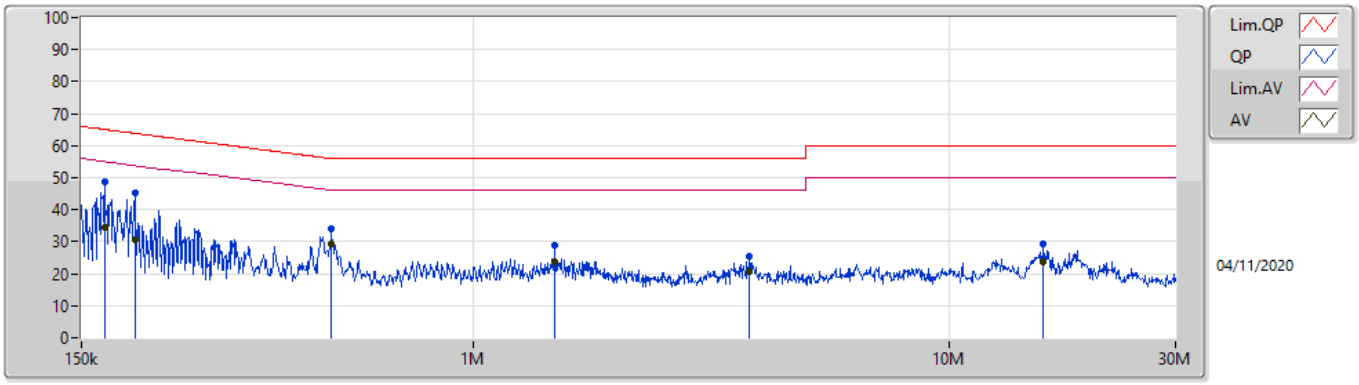
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	164.425k	46.60	65.24	-18.64	Line	-
Mode 1	Pass	AV	164.425k	32.44	55.24	-22.80	Line	-
Mode 1	Pass	QP	191.358k	46.82	63.97	-17.15	Line	-
Mode 1	Pass	AV	191.358k	31.76	53.97	-22.21	Line	-
Mode 1	Pass	QP	479.294k	38.32	56.34	-18.02	Line	-
Mode 1	Pass	AV	479.294k	32.97	46.34	-13.37	Line	“Worst”
Mode 1	Pass	QP	1.87M	26.31	56.00	-29.69	Line	-
Mode 1	Pass	AV	1.87M	22.13	46.00	-23.87	Line	-
Mode 1	Pass	QP	8.765M	37.20	60.00	-22.80	Line	-
Mode 1	Pass	AV	8.765M	31.18	50.00	-18.82	Line	-
Mode 1	Pass	QP	15.145M	31.43	60.00	-28.57	Line	-
Mode 1	Pass	AV	15.145M	24.83	50.00	-25.17	Line	-
Mode 1	Pass	QP	167.739k	48.65	65.06	-16.41	Neutral	“Worst”
Mode 1	Pass	AV	167.739k	34.31	55.06	-20.75	Neutral	-
Mode 1	Pass	QP	194.439k	45.29	63.84	-18.55	Neutral	-
Mode 1	Pass	AV	194.439k	30.51	53.84	-23.33	Neutral	-
Mode 1	Pass	QP	502.813k	34.03	56.00	-21.97	Neutral	-
Mode 1	Pass	AV	502.813k	29.12	46.00	-16.88	Neutral	-
Mode 1	Pass	QP	1.483M	28.98	56.00	-27.02	Neutral	-
Mode 1	Pass	AV	1.483M	23.69	46.00	-22.31	Neutral	-
Mode 1	Pass	QP	3.805M	25.26	56.00	-30.74	Neutral	-
Mode 1	Pass	AV	3.805M	20.72	46.00	-25.28	Neutral	-
Mode 1	Pass	QP	15.825M	29.52	60.00	-30.48	Neutral	-
Mode 1	Pass	AV	15.825M	23.82	50.00	-26.18	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	164.425k	46.60	65.24	-18.64	19.52	Line	-	27.08	9.61	0.01	9.90
AV	164.425k	32.44	55.24	-22.80	19.52	Line	-	12.92	9.61	0.01	9.90
QP	191.358k	46.82	63.97	-17.15	19.51	Line	-	27.31	9.60	0.01	9.90
AV	191.358k	31.76	53.97	-22.21	19.51	Line	-	12.25	9.60	0.01	9.90
QP	479.294k	38.32	56.34	-18.02	19.51	Line	-	18.81	9.60	0.03	9.88
AV	479.294k	32.97	46.34	-13.37	19.51	Line	"Worst"	13.46	9.60	0.03	9.88
QP	1.87M	26.31	56.00	-29.69	19.49	Line	-	6.82	9.61	0.08	9.80
AV	1.87M	22.13	46.00	-23.87	19.49	Line	-	2.64	9.61	0.08	9.80
QP	8.765M	37.20	60.00	-22.80	19.81	Line	-	17.39	9.71	0.20	9.90
AV	8.765M	31.18	50.00	-18.82	19.81	Line	-	11.37	9.71	0.20	9.90
QP	15.145M	31.43	60.00	-28.57	19.86	Line	-	11.57	9.71	0.25	9.90
AV	15.145M	24.83	50.00	-25.17	19.86	Line	-	4.97	9.71	0.25	9.90

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	167.739k	48.65	65.06	-16.41	19.52	Neutral	"Worst"	29.13	9.61	0.01	9.90
AV	167.739k	34.31	55.06	-20.75	19.52	Neutral	-	14.79	9.61	0.01	9.90
QP	194.439k	45.29	63.84	-18.55	19.51	Neutral	-	25.78	9.60	0.01	9.90
AV	194.439k	30.51	53.84	-23.33	19.51	Neutral	-	11.00	9.60	0.01	9.90
QP	502.813k	34.03	56.00	-21.97	19.51	Neutral	-	14.52	9.60	0.03	9.88
AV	502.813k	29.12	46.00	-16.88	19.51	Neutral	-	9.61	9.60	0.03	9.88
QP	1.483M	28.98	56.00	-27.02	19.49	Neutral	-	9.49	9.62	0.07	9.80
AV	1.483M	23.69	46.00	-22.31	19.49	Neutral	-	4.20	9.62	0.07	9.80
QP	3.805M	25.26	56.00	-30.74	19.65	Neutral	-	5.61	9.64	0.12	9.89
AV	3.805M	20.72	46.00	-25.28	19.65	Neutral	-	1.07	9.64	0.12	9.89
QP	15.825M	29.52	60.00	-30.48	19.98	Neutral	-	9.54	9.82	0.26	9.90
AV	15.825M	23.82	50.00	-26.18	19.98	Neutral	-	3.84	9.82	0.26	9.90

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(Port2)	10.05M	14.073M	14M1G1D	10.05M	14.033M
802.11g_Nss1,(6Mbps)_1TX(Port2)	16.325M	17.671M	17M7D1D	16.325M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	17.575M	18.351M	18M4D1D	17.55M	17.711M

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

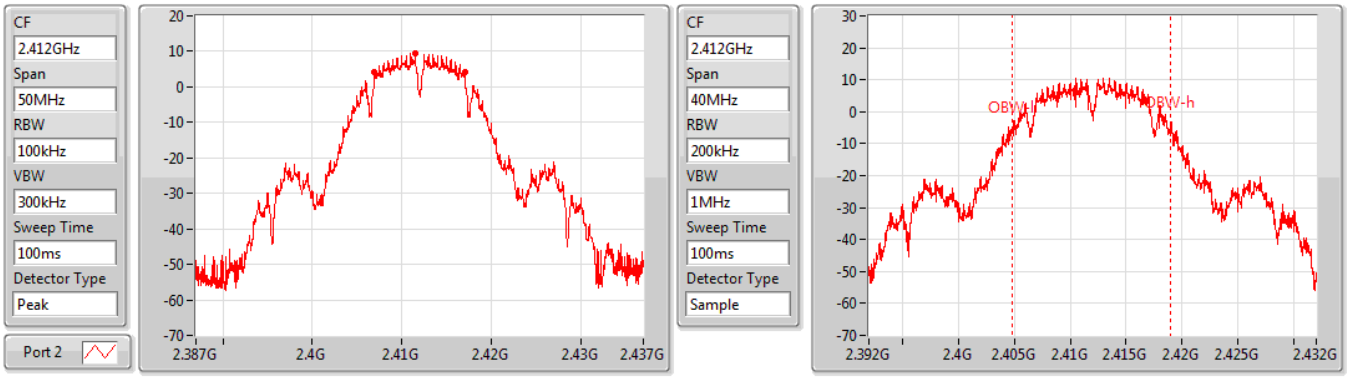
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			10.05M	14.053M
2437MHz	Pass	500k			10.05M	14.033M
2462MHz	Pass	500k			10.05M	14.073M
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			16.325M	16.612M
2437MHz	Pass	500k			16.325M	17.671M
2462MHz	Pass	500k			16.325M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			17.575M	17.751M
2437MHz	Pass	500k			17.55M	18.351M
2462MHz	Pass	500k			17.55M	17.711M

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

802.11b_Nss1,(1Mbps)_1TX(Port2) EBW

2412MHz

30/10/2020

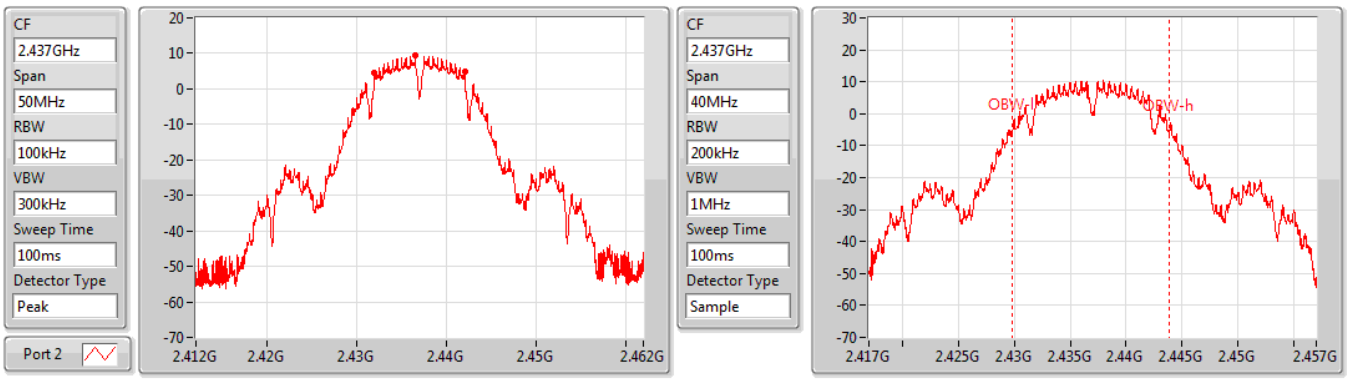


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.406975G	2.417025G	14.053M	2.404864G	2.418917G	500k	2

802.11b_Nss1,(1Mbps)_1TX(Port2) EBW

2437MHz

30/10/2020

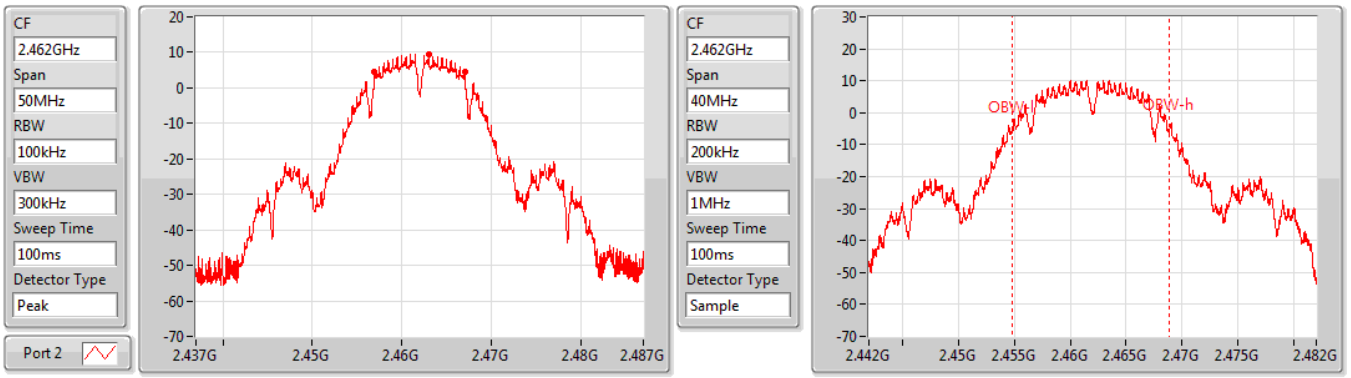


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.431975G	2.442025G	14.033M	2.429864G	2.443897G	500k	2

802.11b_Nss1,(1Mbps)_1TX(Port2) EBW

2462MHz

30/10/2020

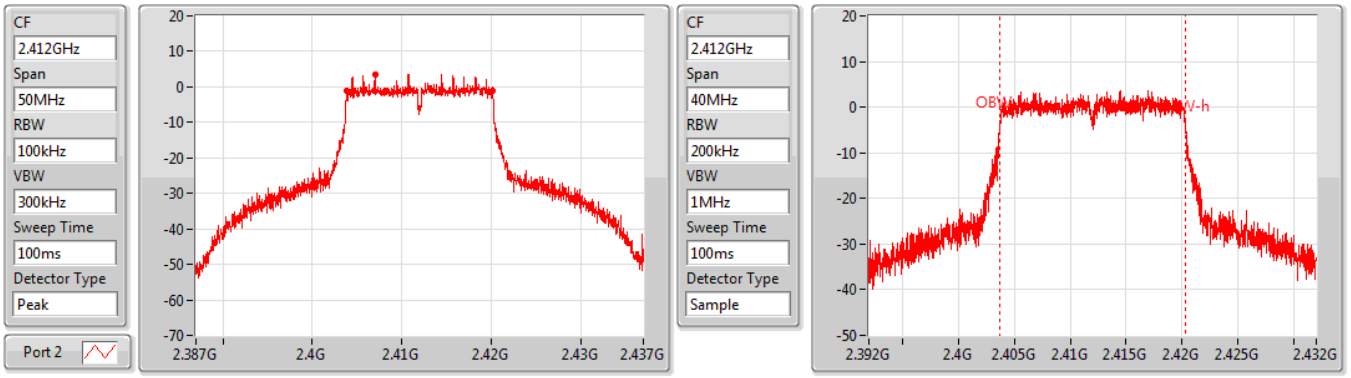


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.456975G	2.467025G	14.073M	2.454824G	2.468897G	500k	2

802.11g_Nss1,(6Mbps)_1TX(Port2) EBW

2412MHz

30/10/2020

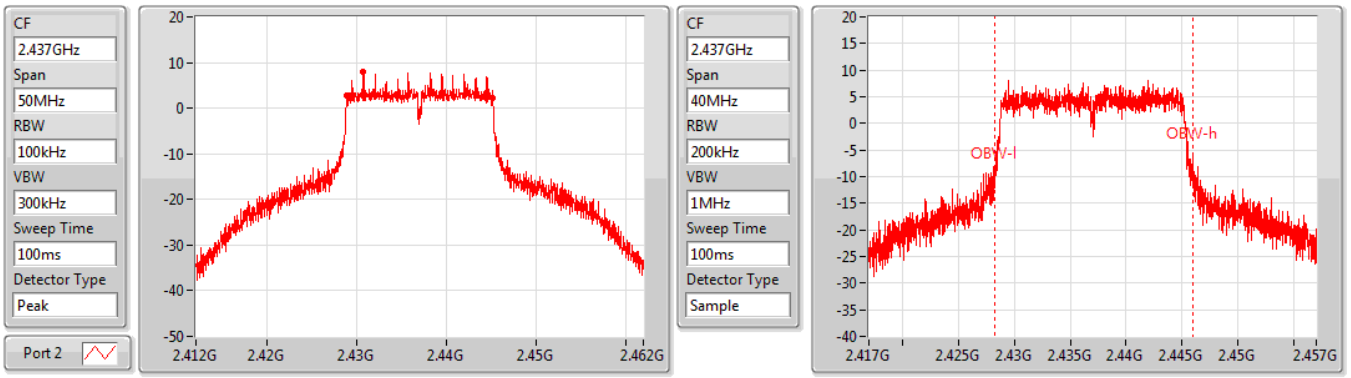


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.40385G	2.420175G	16.612M	2.403704G	2.420316G	500k	2

802.11g_Nss1,(6Mbps)_1TX(Port2) EBW

2437MHz

30/10/2020

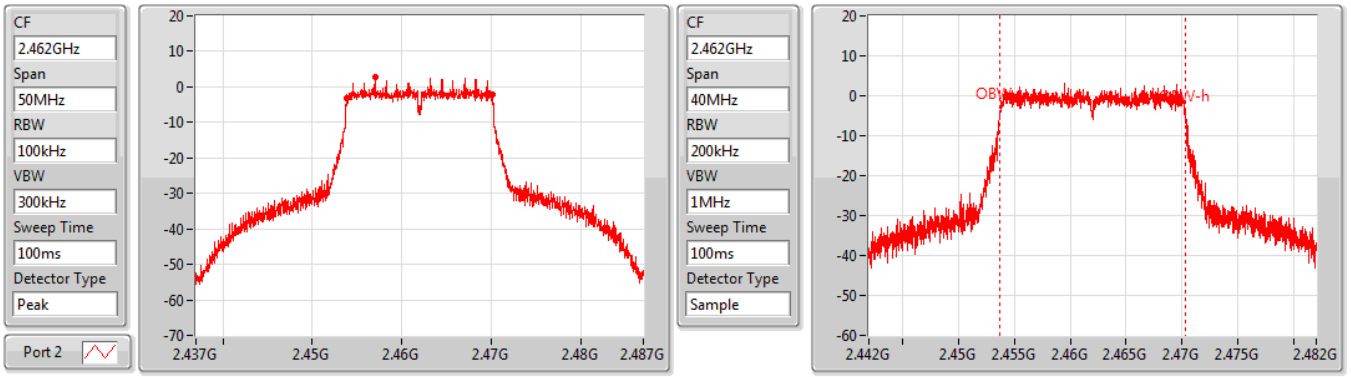


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	17.671M	2.428304G	2.445976G	500k	2

802.11g_Nss1,(6Mbps)_1TX(Port2) EBW

2462MHz

30/10/2020

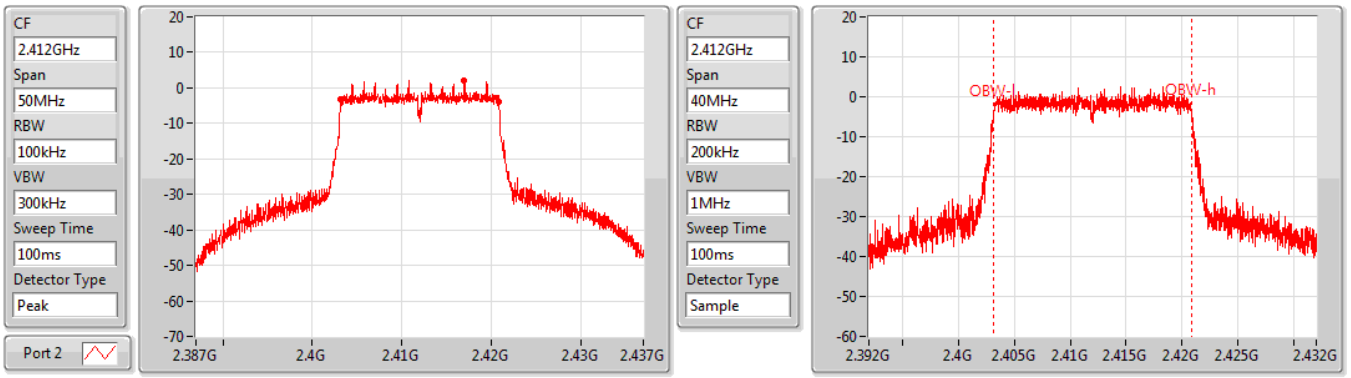


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.592M	2.453704G	2.470296G	500k	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) EBW

2412MHz

30/10/2020

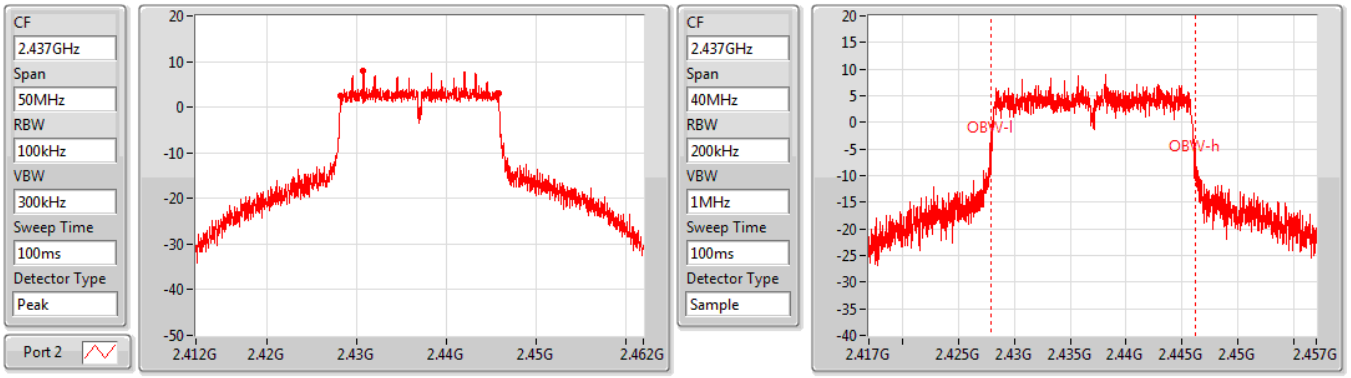


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403225G	2.4208G	17.751M	2.403124G	2.420876G	500k	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) EBW

2437MHz

30/10/2020

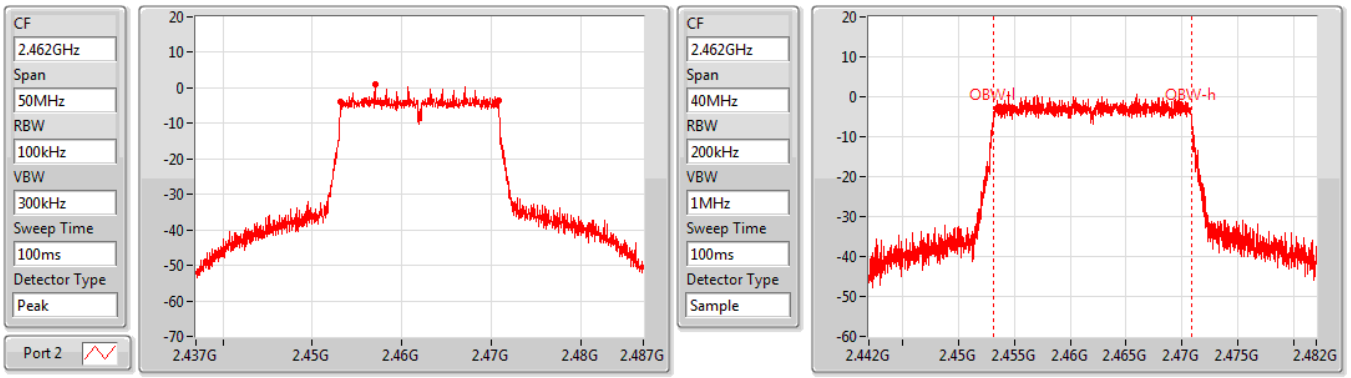


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.428225G	2.445775G	18.351M	2.427865G	2.446215G	500k	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) EBW

2462MHz

30/10/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.453225G	2.470775G	17.711M	2.453124G	2.470836G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	19.73	0.09397
802.11g_Nss1,(6Mbps)_1TX(Port2)	19.04	0.08017
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	19.14	0.08204

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.80	-	19.73	19.73	30.00
2437MHz	Pass	4.80	-	19.44	19.44	30.00
2462MHz	Pass	4.80	-	19.10	19.10	30.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.80	-	15.08	15.08	30.00
2417MHz	Pass	4.80	-	17.71	17.71	30.00
2437MHz	Pass	4.80	-	19.04	19.04	30.00
2457MHz	Pass	4.80	-	17.13	17.13	30.00
2462MHz	Pass	4.80	-	14.09	14.09	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.80	-	13.35	13.35	30.00
2417MHz	Pass	4.80	-	17.36	17.36	30.00
2437MHz	Pass	4.80	-	19.14	19.14	30.00
2457MHz	Pass	4.80	-	15.94	15.94	30.00
2462MHz	Pass	4.80	-	12.26	12.26	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	-4.79
802.11g_Nss1,(6Mbps)_1TX(Port2)	-5.29
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-5.86

RBW = 3kHz;

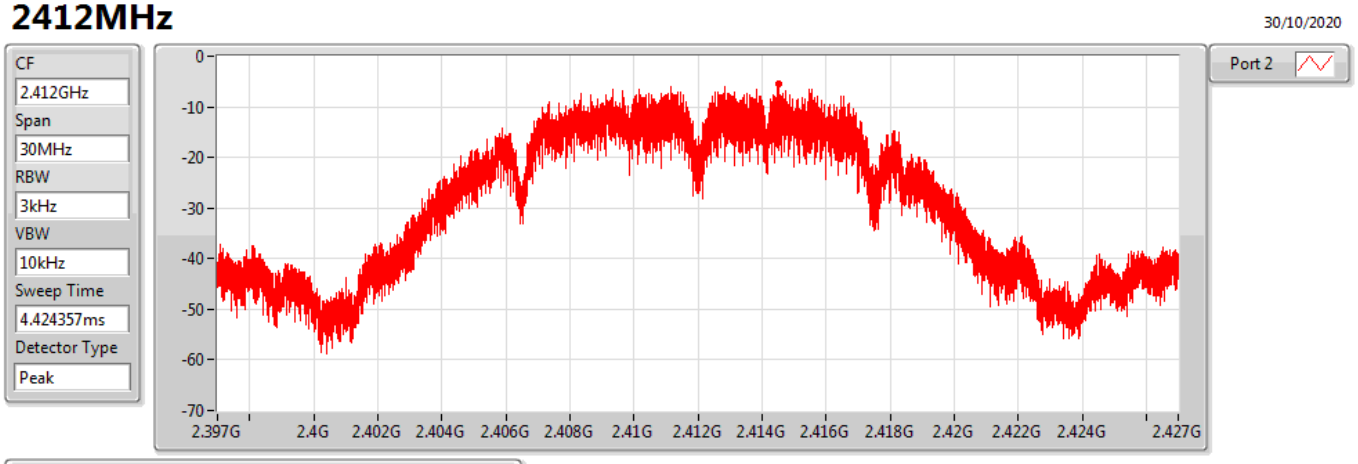
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.80	-	-5.58	-5.58	8.00
2437MHz	Pass	4.80	-	-5.67	-5.67	8.00
2462MHz	Pass	4.80	-	-4.79	-4.79	8.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.80	-	-11.58	-11.58	8.00
2437MHz	Pass	4.80	-	-5.29	-5.29	8.00
2462MHz	Pass	4.80	-	-9.86	-9.86	8.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.80	-	-10.26	-10.26	8.00
2437MHz	Pass	4.80	-	-5.86	-5.86	8.00
2462MHz	Pass	4.80	-	-10.52	-10.52	8.00

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

802.11b_Nss1,(1Mbps)_1TX(Port2) PSD

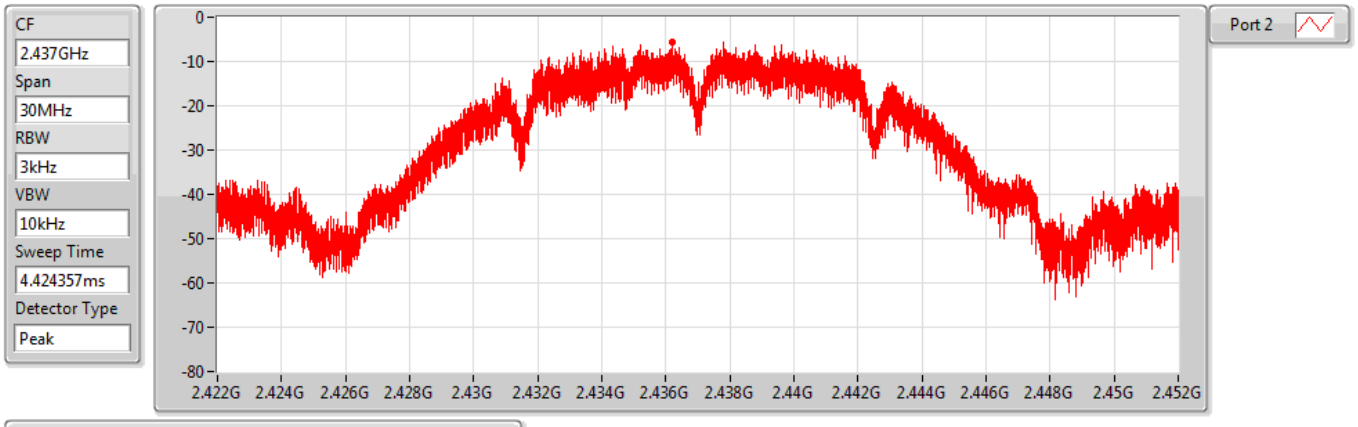
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.58	-5.58	-	-5.58

802.11b_Nss1,(1Mbps)_1TX(Port2) PSD

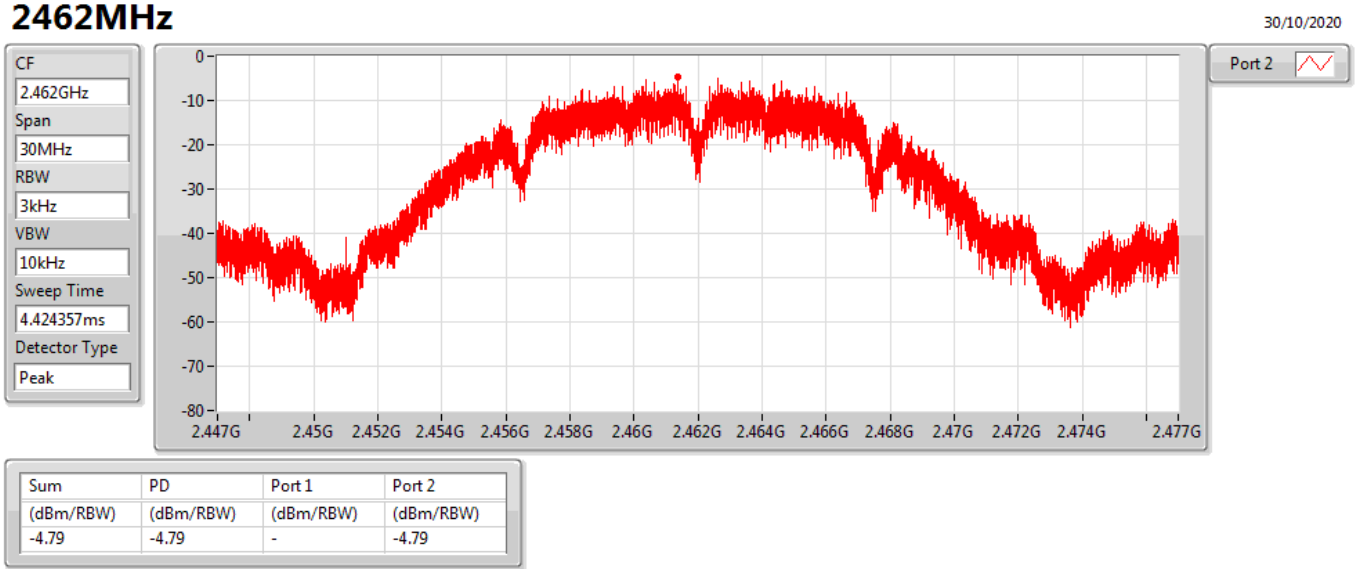
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.67	-5.67	-	-5.67

802.11b_Nss1,(1Mbps)_1TX(Port2) PSD

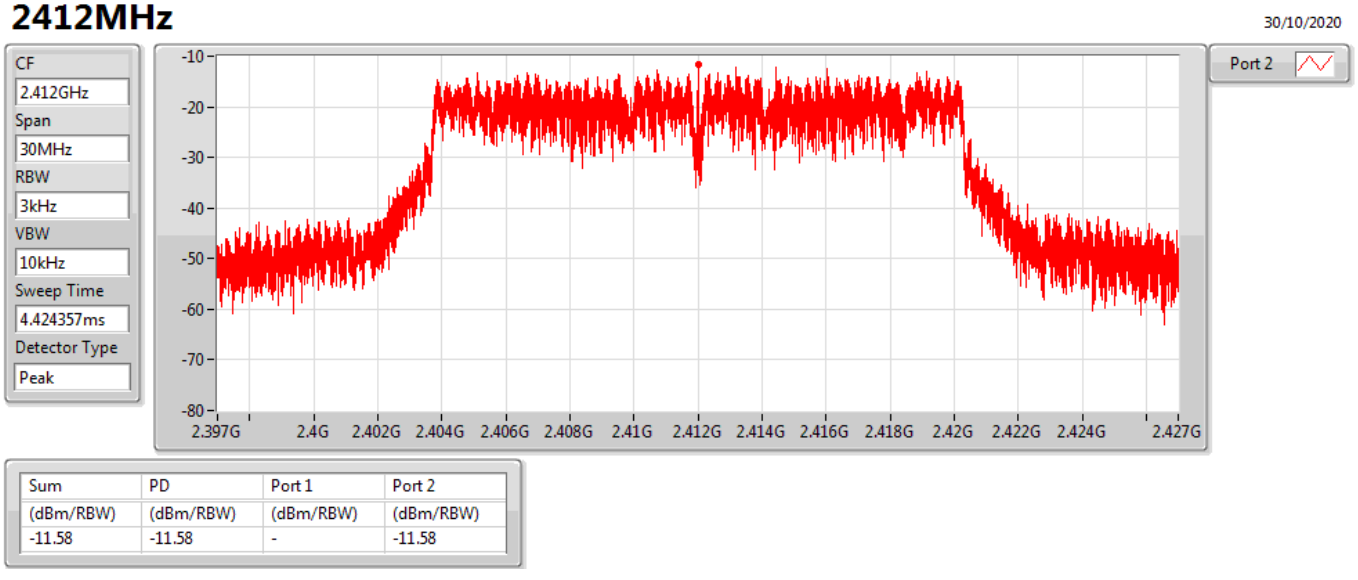
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.79	-4.79	-	-4.79

802.11g_Nss1,(6Mbps)_1TX(Port2) PSD

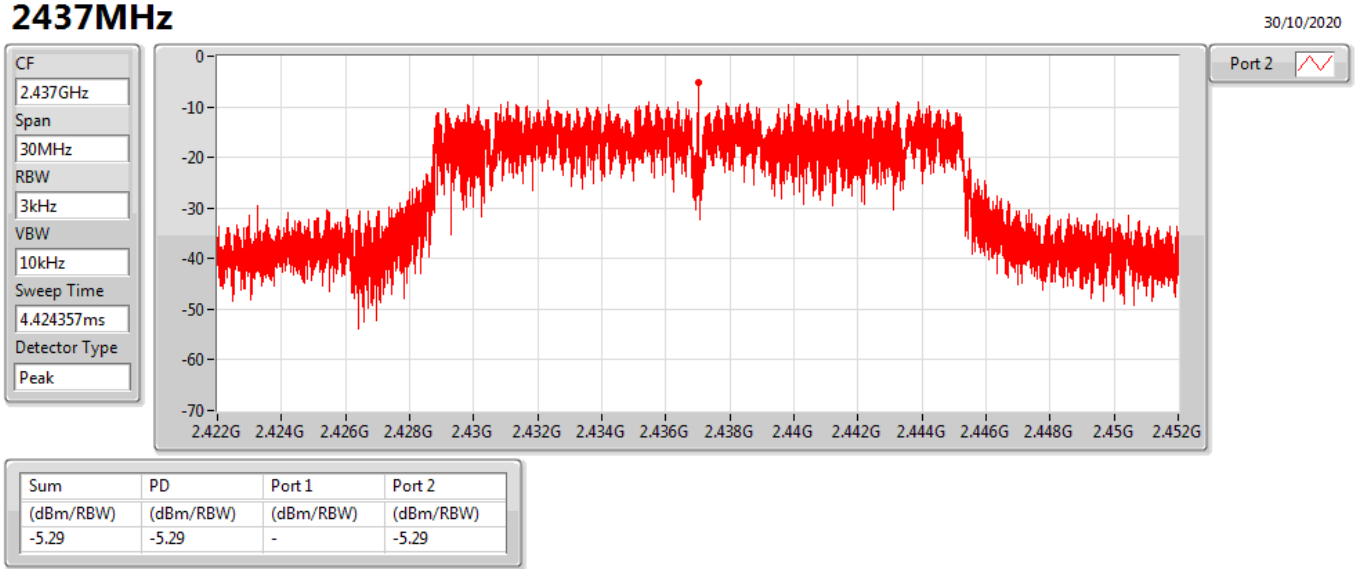
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.58	-11.58	-	-11.58

802.11g_Nss1,(6Mbps)_1TX(Port2) PSD

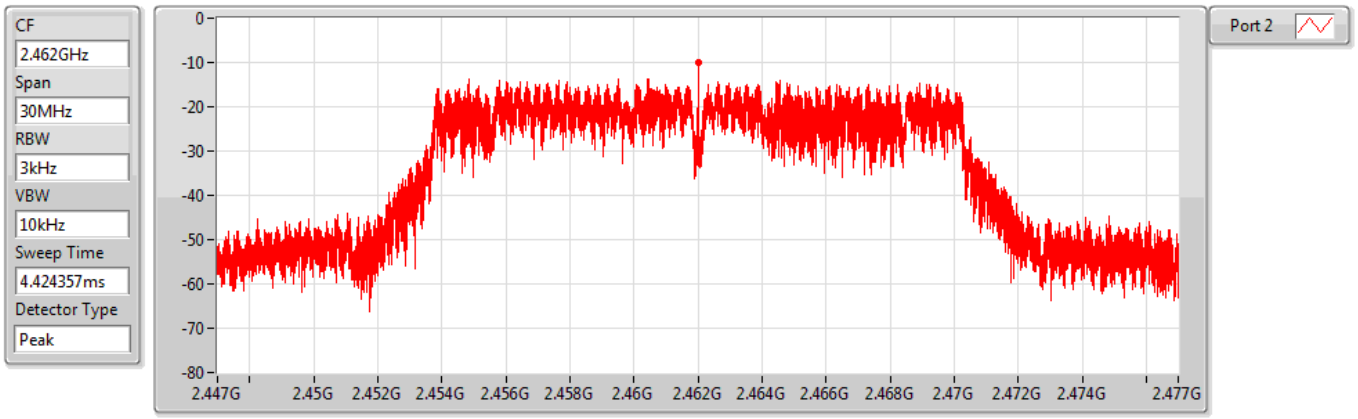
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.29	-5.29	-	-5.29

802.11g_Nss1,(6Mbps)_1TX(Port2) PSD

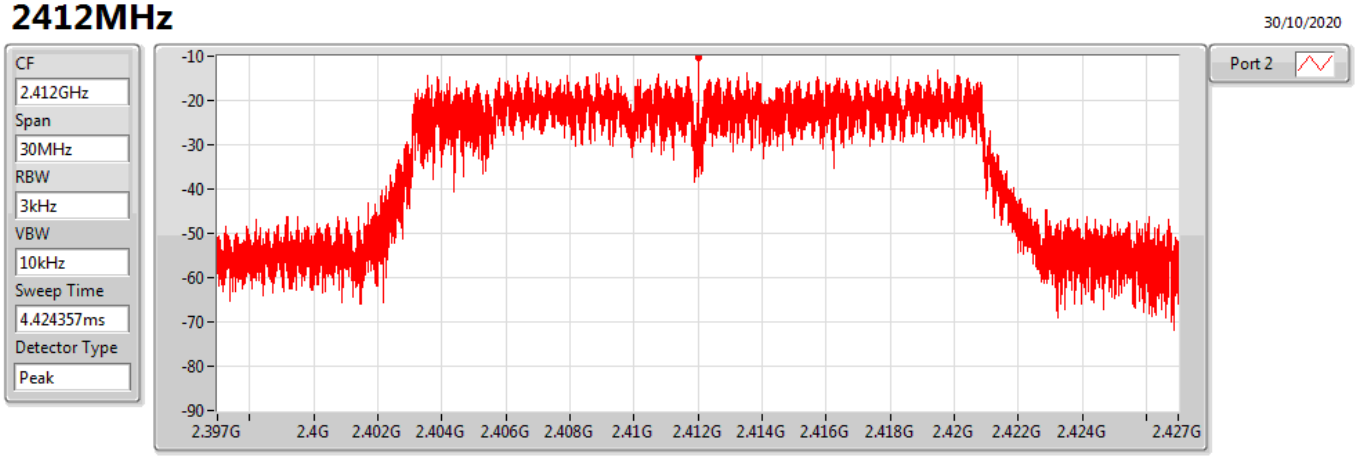
2462MHz



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

802.11n HT20_Nss1,(MCS0)_1TX(Port2) PSD

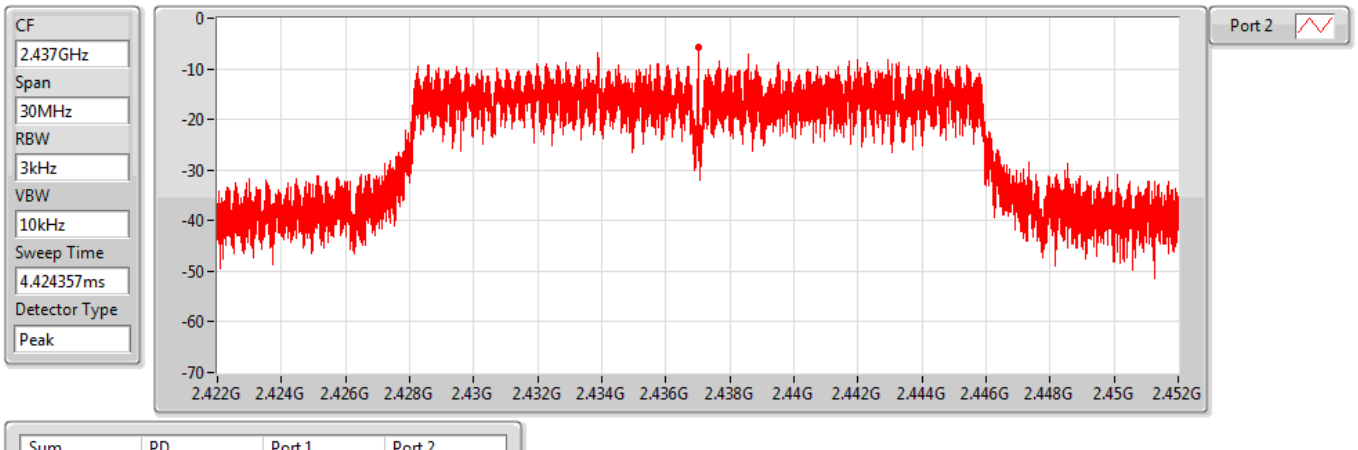
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.26	-10.26	-	-10.26

802.11n HT20_Nss1,(MCS0)_1TX(Port2) PSD

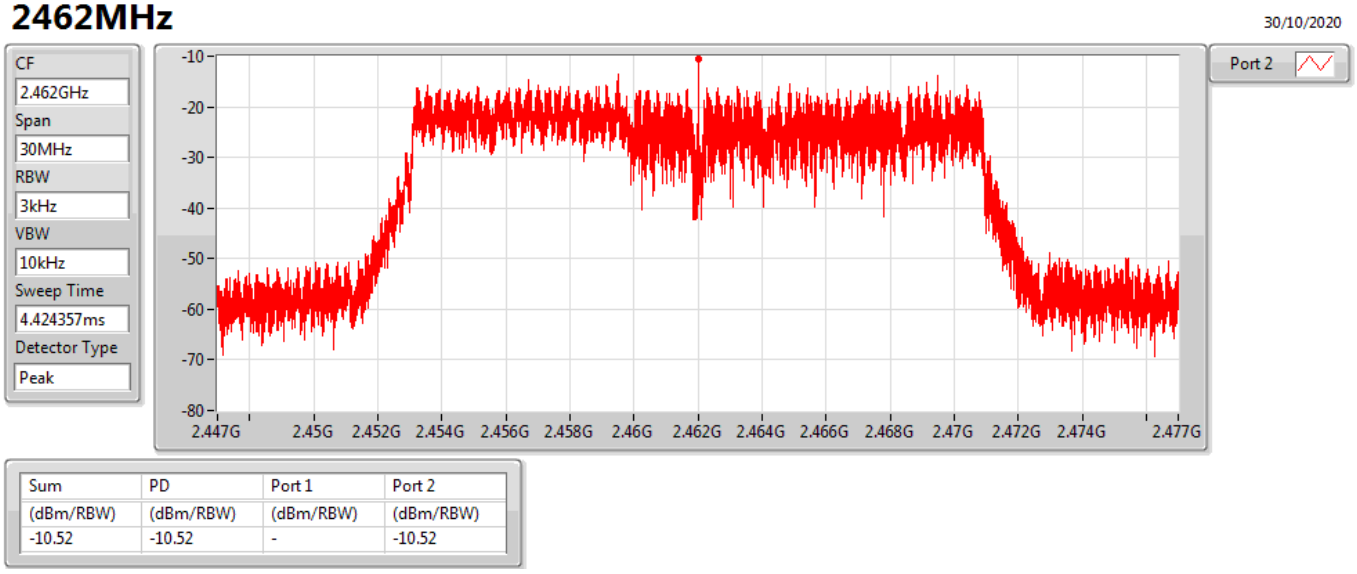
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.86	-5.86	-	-5.86

802.11n HT20_Nss1,(MCS0)_1TX(Port2) PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.52	-10.52	-	-10.52

Summary

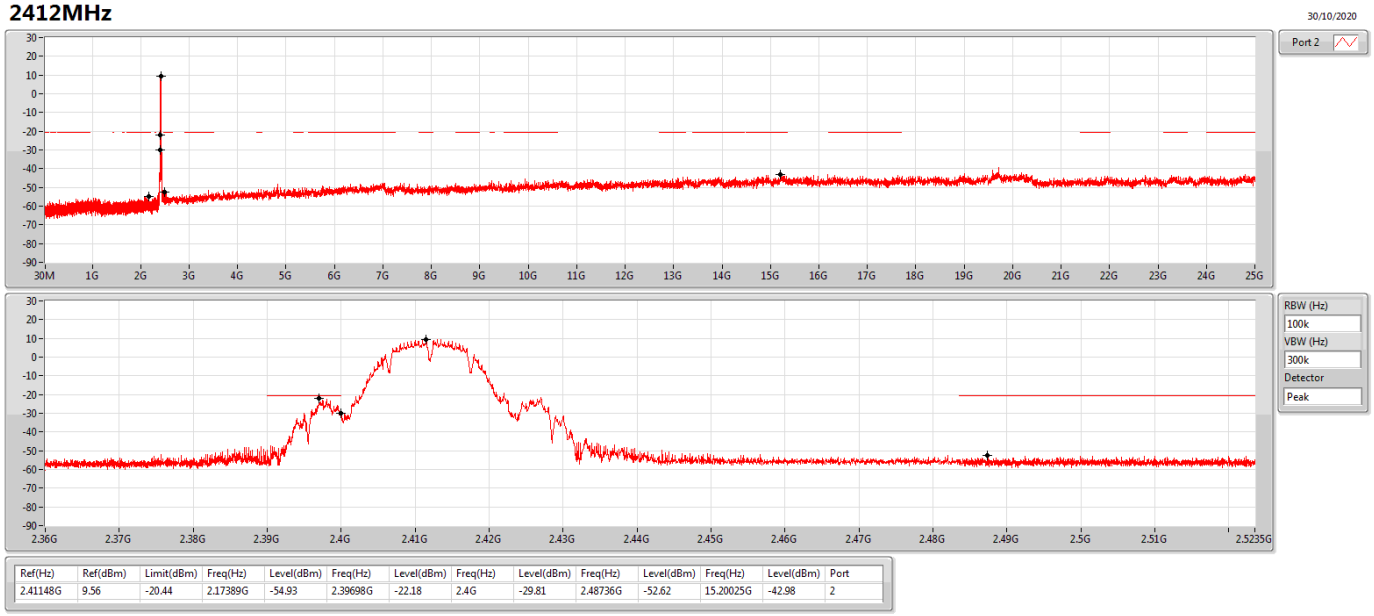
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	Pass	2.41148G	9.56	-20.44	2.17389G	-54.93	2.39698G	-22.18	2.4G	-29.81	2.48736G	-52.62	15.20025G	-42.98	2
802.11g_Nss1,(6Mbps)_1TX(Port2)	Pass	2.43198G	7.83	-22.17	2.1535G	-54.18	2.39912G	-24.82	2.4G	-29.53	2.49746G	-51.77	15.21991G	-42.22	2
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	Pass	2.43824G	7.97	-22.03	2.30932G	-54.07	2.39952G	-28.54	2.4G	-31.51	2.52114G	-52.14	15.20306G	-42.36	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41148G	9.56	-20.44	2.17389G	-54.93	2.39698G	-22.18	2.4G	-29.81	2.48736G	-52.62	15.20025G	-42.98	2
2437MHz	Pass	2.41148G	9.56	-20.44	2.09322G	-54.62	2.39288G	-53.34	2.4835G	-56.47	2.50462G	-52.33	15.22834G	-42.45	2
2462MHz	Pass	2.41148G	9.56	-20.44	2.30088G	-55.19	2.39432G	-54.04	2.4835G	-47.20	2.48416G	-45.11	15.2452G	-42.61	2
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	7.83	-22.17	2.1535G	-54.18	2.39912G	-24.82	2.4G	-29.53	2.49746G	-51.77	15.21991G	-42.22	2
2437MHz	Pass	2.43198G	7.83	-22.17	2.16778G	-54.23	2.39738G	-46.92	2.4G	-51.24	2.4861G	-49.50	15.22553G	-42.05	2
2462MHz	Pass	2.43198G	7.83	-22.17	2.0105G	-54.38	2.39334G	-53.57	2.4835G	-41.61	2.4839G	-39.72	16.38307G	-42.48	2
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	7.97	-22.03	2.30932G	-54.07	2.39952G	-28.54	2.4G	-31.51	2.52114G	-52.14	15.20306G	-42.36	2
2437MHz	Pass	2.43824G	7.97	-22.03	2.30321G	-53.84	2.3992G	-43.08	2.4G	-42.51	2.4839G	-47.46	15.20867G	-41.37	2
2462MHz	Pass	2.43824G	7.97	-22.03	626.19M	-55.07	2.3983G	-53.44	2.4835G	-42.36	2.48386G	-40.44	15.21148G	-41.81	2

802.11b_Nss1,(1Mbps)_1TX(Port2) **CSENdB**

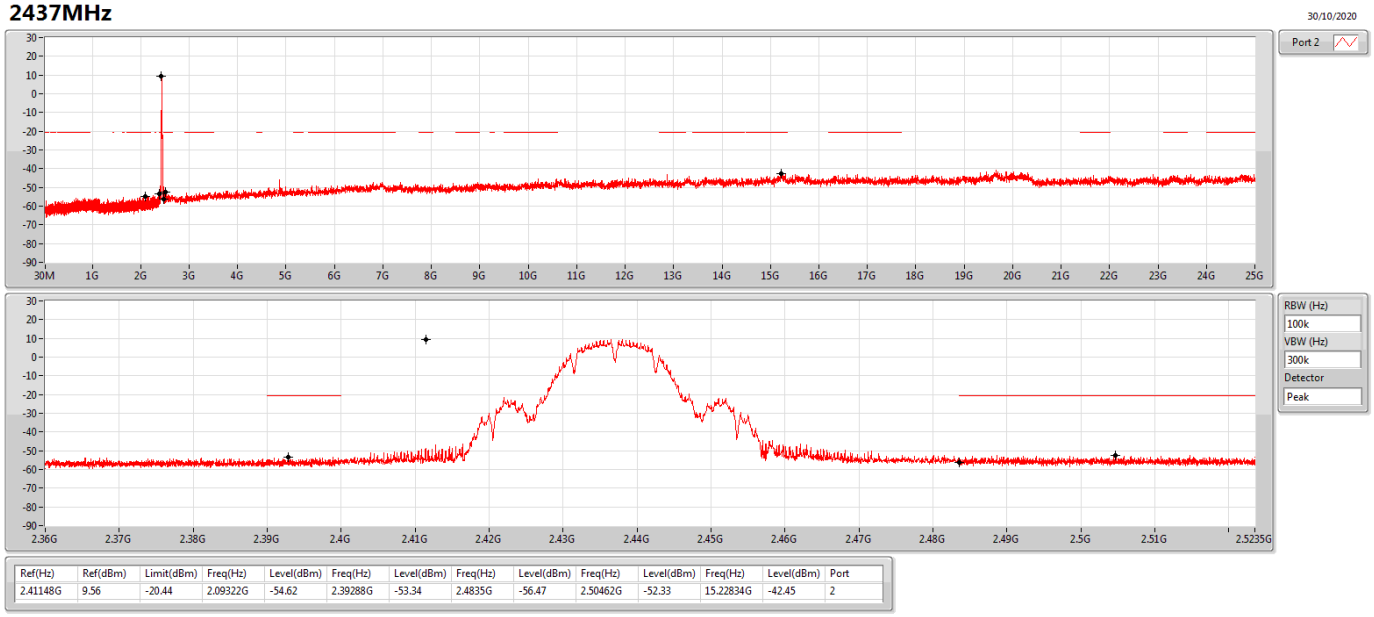
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	9.56	-20.44	2.17389G	-54.93	2.39698G	-22.18	2.4G	-29.81	2.48736G	-52.62	15.20025G	-42.98	2

802.11b_Nss1,(1Mbps)_1TX(Port2) **CSENdB**

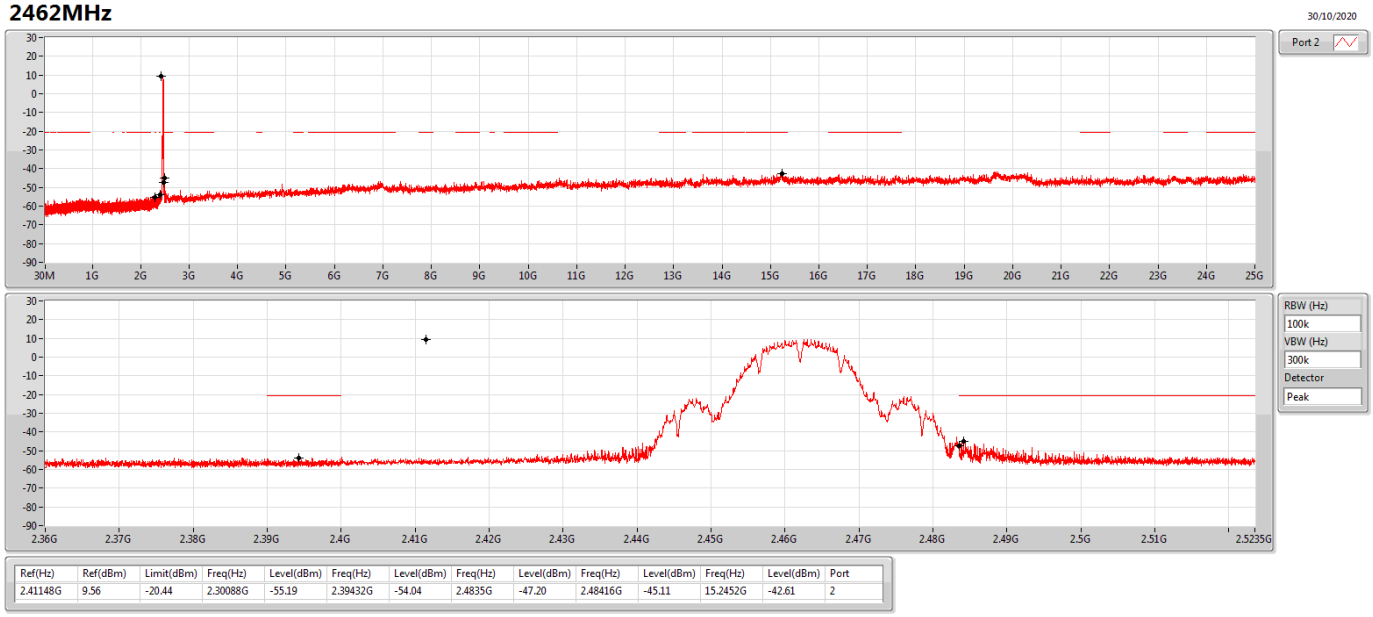
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	9.56	-20.44	2.09322G	-54.62	2.39288G	-53.34	2.4835G	-56.47	2.50462G	-52.33	15.22834G	-42.45	2

802.11b_Nss1,(1Mbps)_1TX(Port2) **CSENdB**

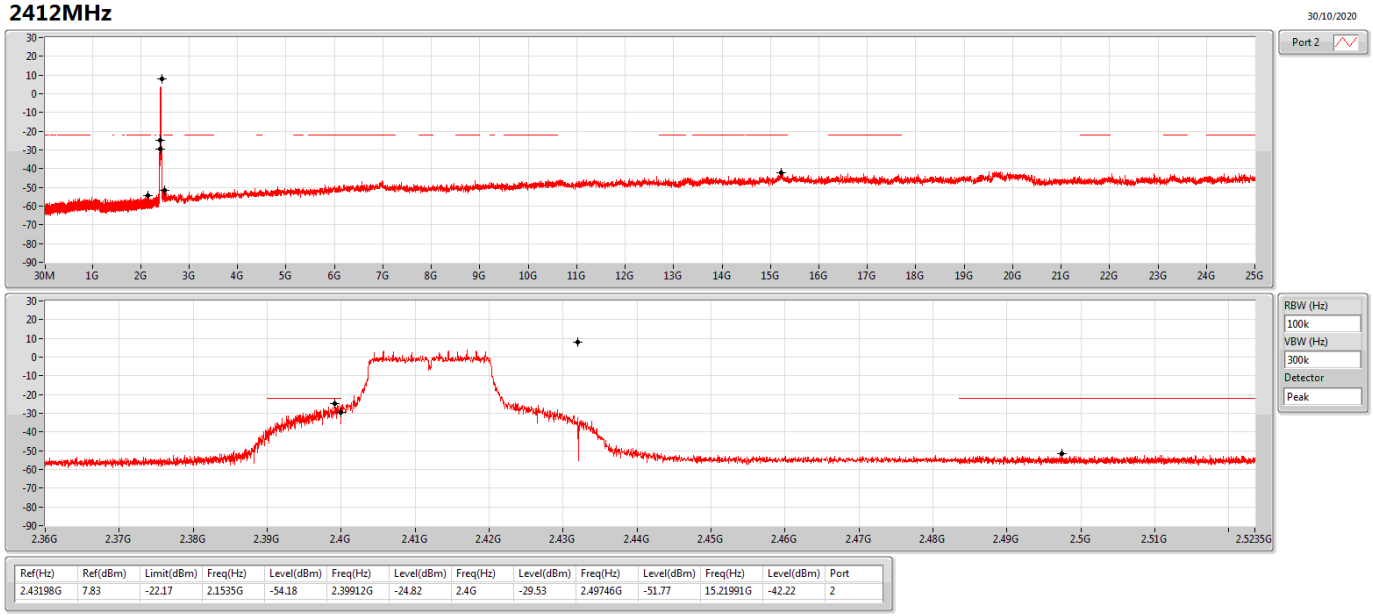
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41148G	9.56	-20.44	2.30088G	-55.19	2.39432G	-54.04	2.4835G	-47.20	2.48416G	-45.11	15.2452G	-42.61	2

802.11g_Nss1,(6Mbps)_1TX(Port2) **CSENdB**

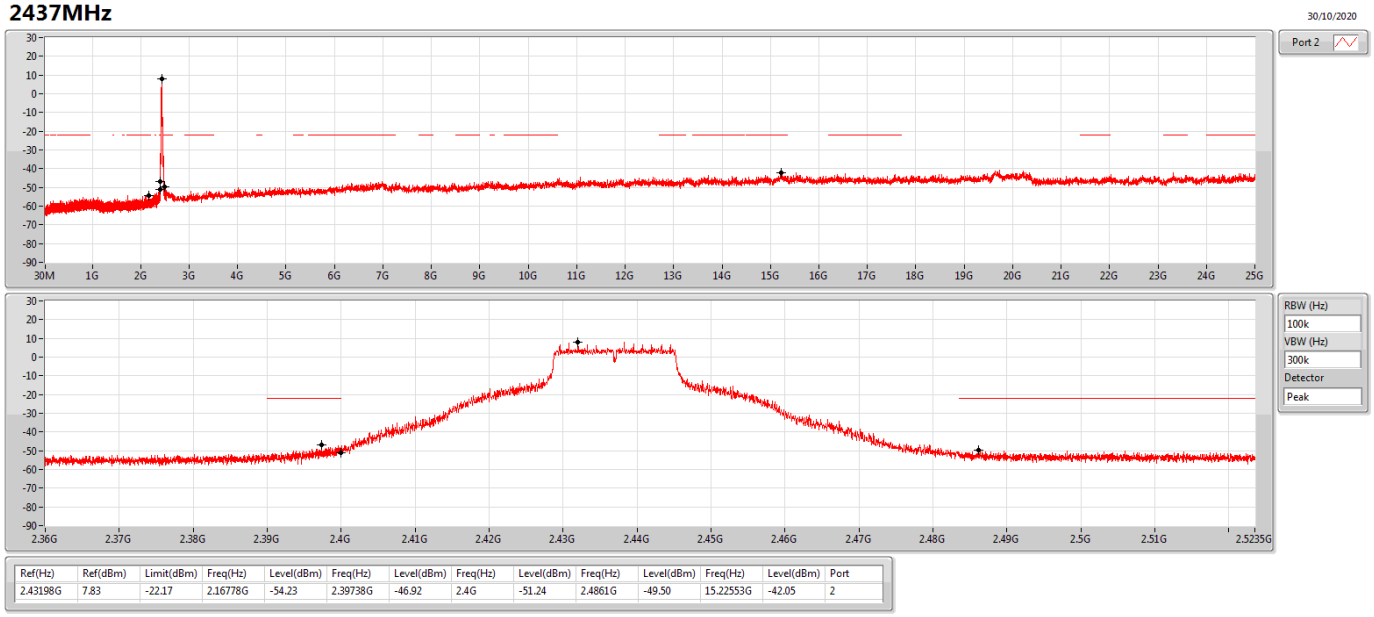
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.83	-22.17	2.1535G	-54.18	2.39912G	-24.82	2.4G	-29.53	2.49746G	-51.77	15.21991G	-42.22	2

802.11g_Nss1,(6Mbps)_1TX(Port2) **CSENdB**

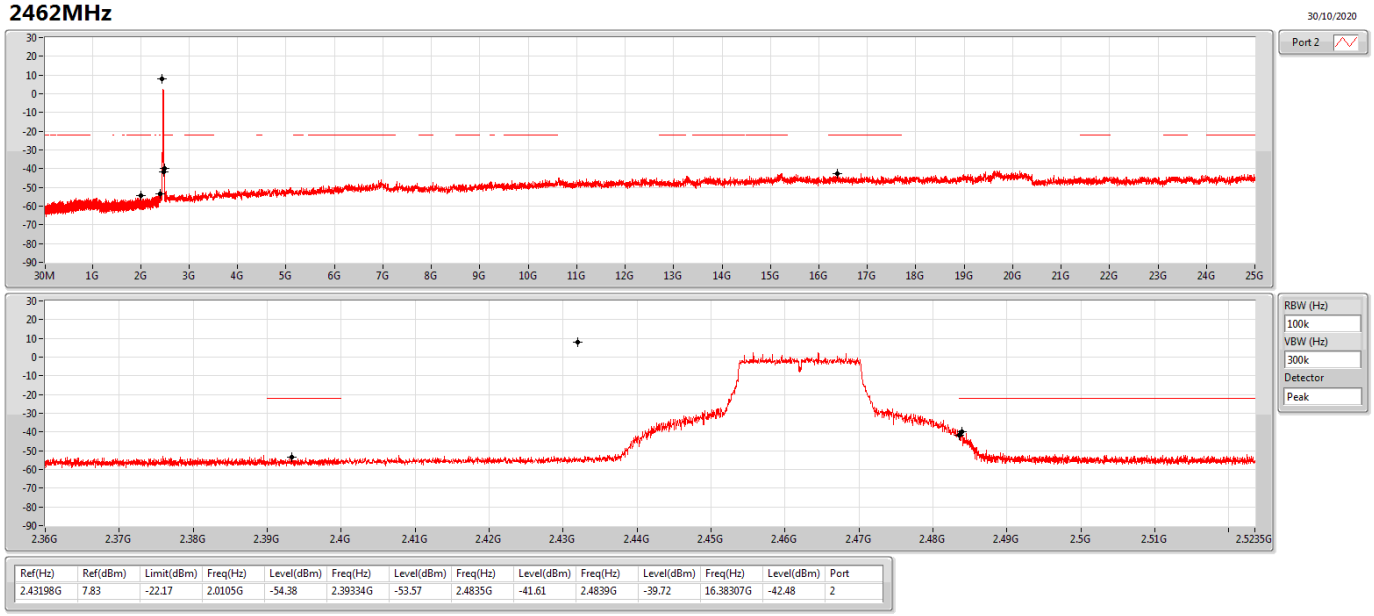
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.83	-22.17	2.16778G	-54.23	2.39738G	-46.92	2.4G	-51.24	2.4861G	-49.50	15.22553G	-42.05	2

802.11g_Nss1,(6Mbps)_1TX(Port2) **CSENdB**

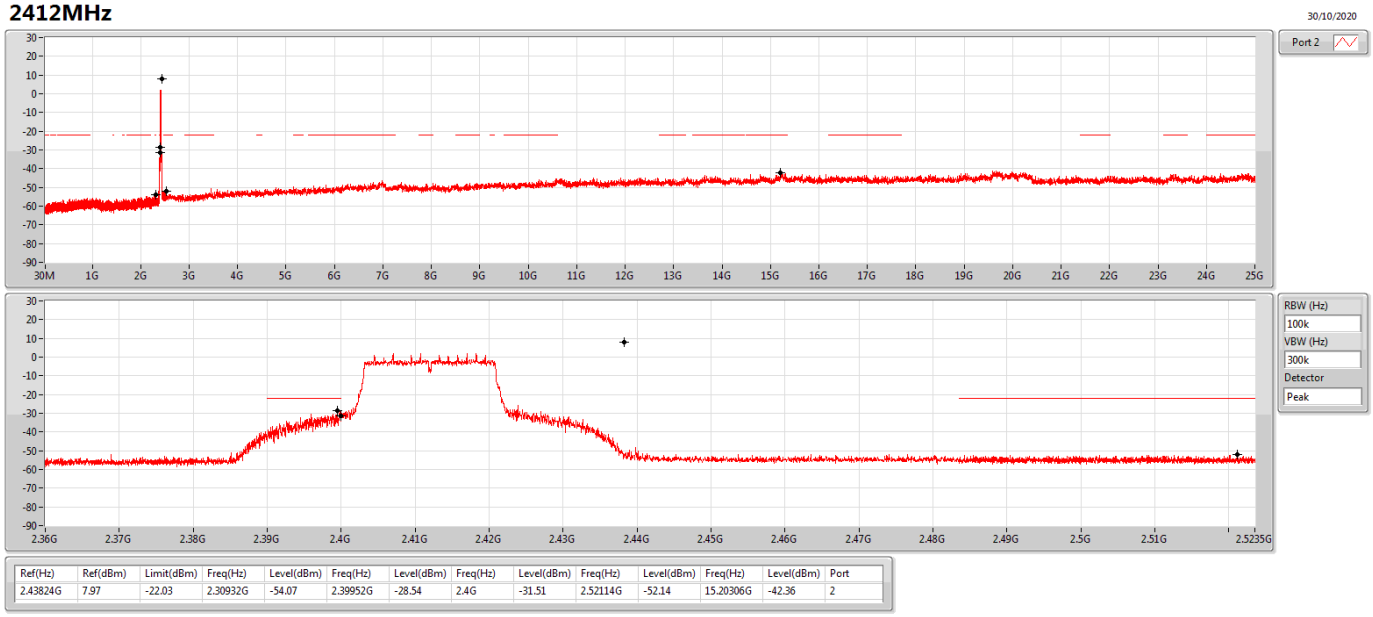
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.83	-22.17	2.01056G	-54.38	2.39334G	-53.57	2.4835G	-41.61	2.4839G	-39.72	16.38307G	-42.48	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) **CSENdB**

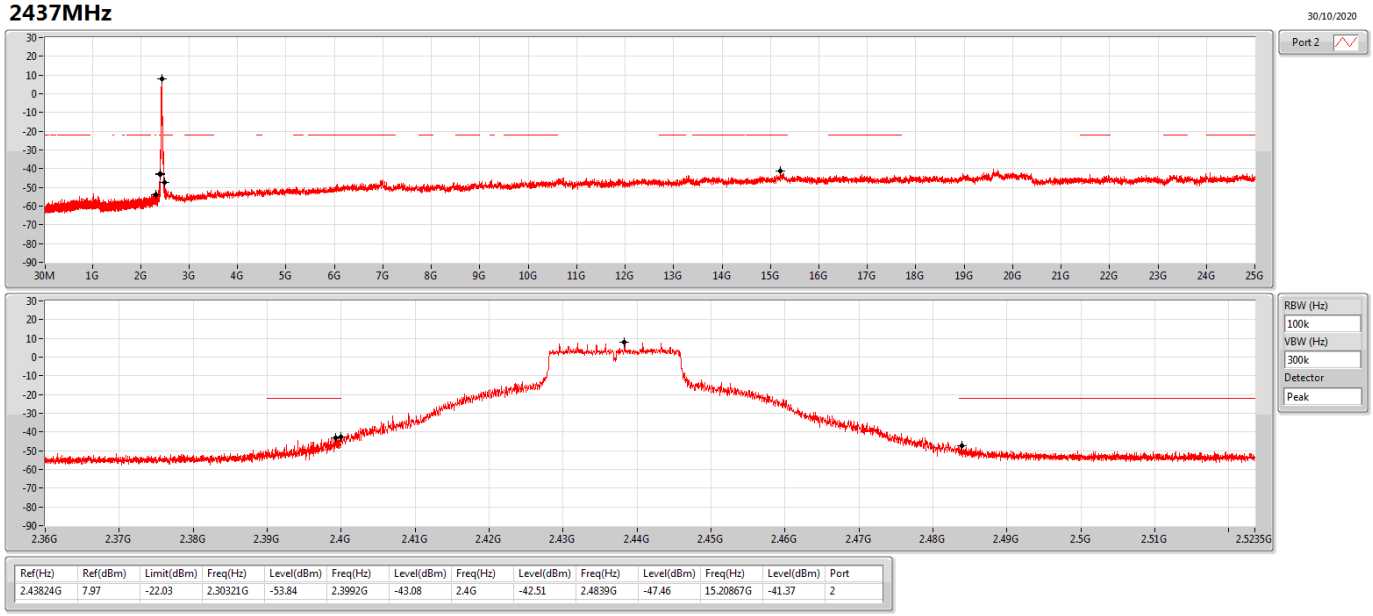
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.97	-22.03	2.30932G	-54.07	2.39952G	-28.54	2.4G	-31.51	2.52114G	-52.14	15.20306G	-42.36	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) **CSENdB**

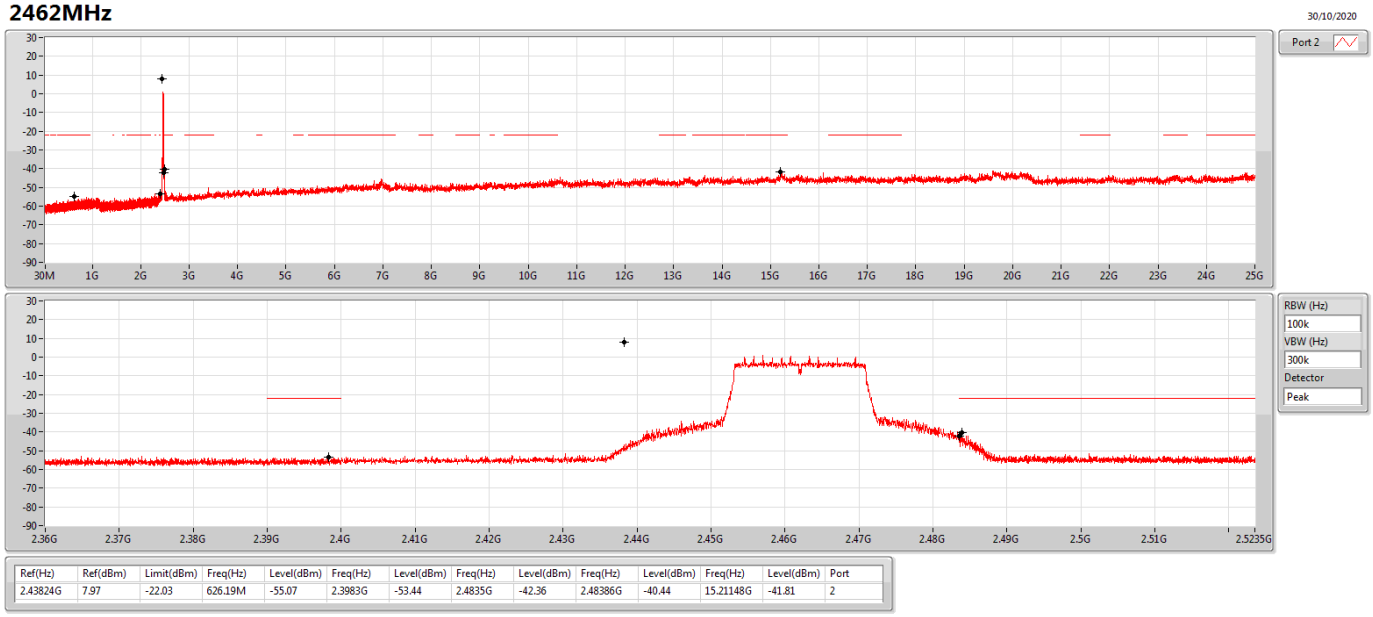
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.97	-22.03	2.30321G	-53.84	2.3992G	-43.08	2.4G	-42.51	2.4839G	-47.46	15.20867G	-41.37	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) **CSENdB**

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.97	-22.03	626.19M	-55.07	2.3983G	-53.44	2.4835G	-42.36	2.48386G	-40.44	15.21148G	-41.81	2

Summary

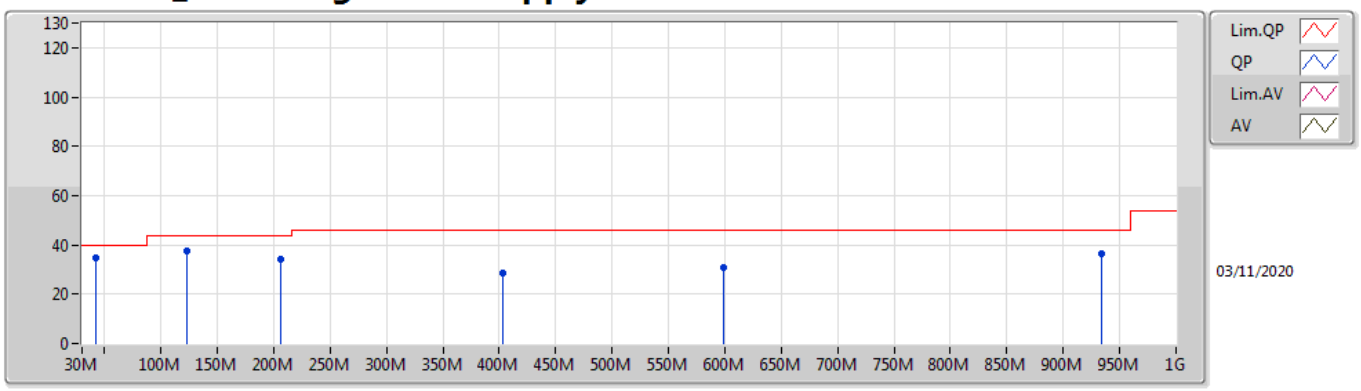
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	Pass	PK	41.64M	34.64	40.00	-5.36	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	41.64M	34.64	40.00	-5.36	3	Vertical	0	1.00	-
2437MHz	Pass	PK	123.12M	37.29	43.50	-6.21	3	Vertical	0	1.00	-
2437MHz	Pass	PK	206.54M	34.46	43.50	-9.04	3	Vertical	0	1.00	-
2437MHz	Pass	PK	402.48M	28.60	46.00	-17.40	3	Vertical	0	1.00	-
2437MHz	Pass	PK	598.42M	30.98	46.00	-15.02	3	Vertical	0	1.00	-
2437MHz	Pass	PK	934.04M	36.62	46.00	-9.38	3	Vertical	0	1.00	-
2437MHz	Pass	PK	152.22M	35.84	43.50	-7.66	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	264.74M	29.82	46.00	-16.18	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	418M	28.30	46.00	-17.70	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	763.32M	32.13	46.00	-13.87	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	934.04M	36.26	46.00	-9.74	3	Horizontal	360	1.00	-
2437MHz	Pass	QP	47.46M	24.84	40.00	-15.16	3	Horizontal	80	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

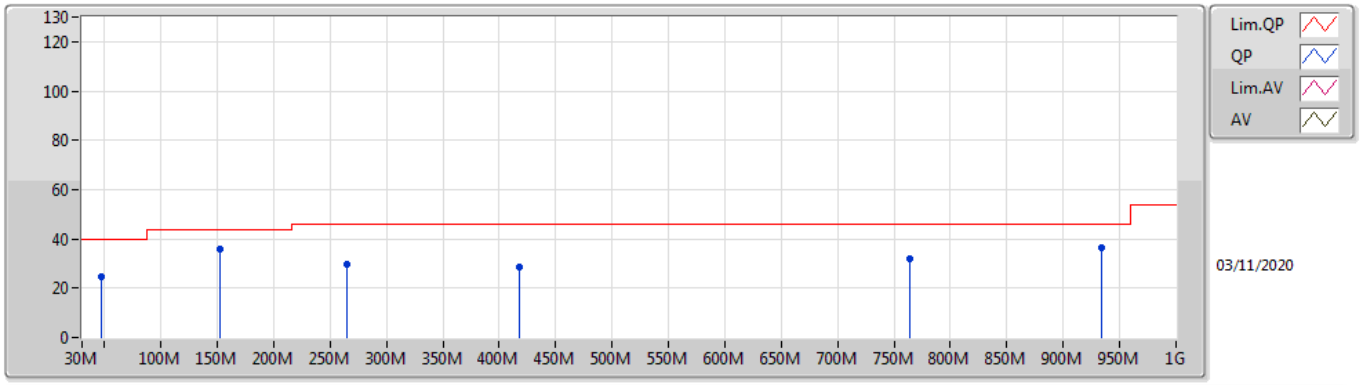
2437MHz_Switching Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	34.64	40.00	-5.36	-8.39	3	Vertical	0	1.00	-	43.03	16.83	2.22	27.44
PK	123.12M	37.29	43.50	-6.21	-7.94	3	Vertical	0	1.00	-	45.23	17.39	2.37	27.70
PK	206.54M	34.46	43.50	-9.04	-10.27	3	Vertical	0	1.00	-	44.73	14.47	2.52	27.26
PK	402.48M	28.60	46.00	-17.40	-3.69	3	Vertical	0	1.00	-	32.29	21.18	2.88	27.75
PK	598.42M	30.98	46.00	-15.02	-1.10	3	Vertical	0	1.00	-	32.08	23.97	3.25	28.32
PK	934.04M	36.62	46.00	-9.38	2.41	3	Vertical	0	1.00	-	34.21	25.84	3.87	27.30

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

2437MHz_Switching Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	152.22M	35.84	43.50	-7.66	-9.68	3	Horizontal	360	1.00	-	45.52	15.47	2.42	27.57
PK	264.74M	29.82	46.00	-16.18	-5.83	3	Horizontal	360	1.00	-	35.65	18.59	2.63	27.05
PK	418M	28.30	46.00	-17.70	-3.05	3	Horizontal	360	1.00	-	31.35	21.89	2.91	27.85
PK	763.32M	32.13	46.00	-13.87	0.61	3	Horizontal	360	1.00	-	31.52	25.00	3.55	27.94
PK	934.04M	36.26	46.00	-9.74	2.41	3	Horizontal	360	1.00	-	33.85	25.84	3.87	27.30
QP	47.46M	24.84	40.00	-15.16	-11.37	3	Horizontal	80	1.00	-	36.21	14.05	2.23	27.65

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	Pass	AV	2.4835G	50.56	54.00	-3.44	3	Horizontal	296	1.81	-
802.11g_Nss1,(6Mbps)_1TX(Port2)	Pass	AV	2.39G	53.59	54.00	-0.41	3	Horizontal	298	1.85	-
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	Pass	AV	2.39G	53.41	54.00	-0.59	3	Horizontal	299	1.84	-

Result

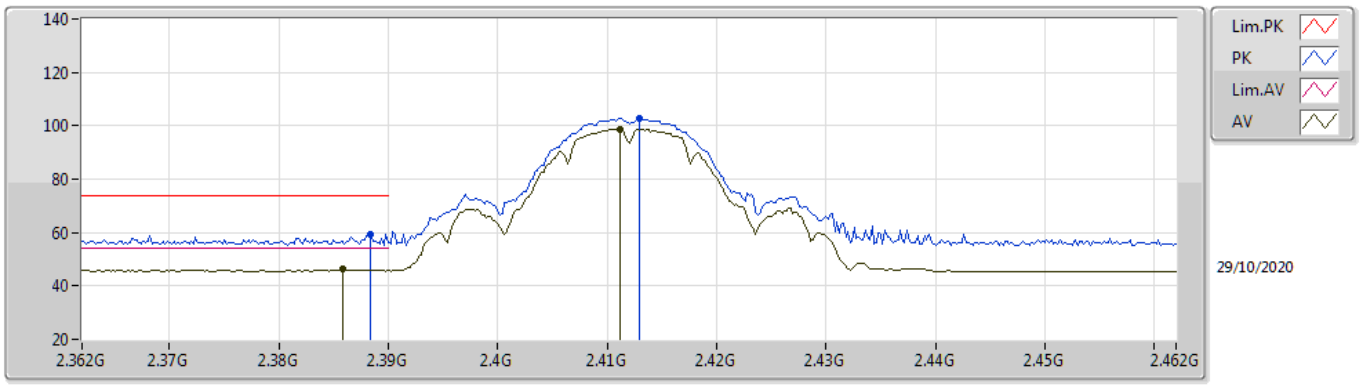
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3858G	46.16	54.00	-7.84	3	Vertical	254	1.84	-
2412MHz	Pass	AV	2.4112G	98.68	Inf	-Inf	3	Vertical	254	1.84	-
2412MHz	Pass	PK	2.3884G	59.46	74.00	-14.54	3	Vertical	254	1.84	-
2412MHz	Pass	PK	2.413G	102.70	Inf	-Inf	3	Vertical	254	1.84	-
2412MHz	Pass	AV	2.3854G	46.79	54.00	-7.21	3	Horizontal	295	1.71	-
2412MHz	Pass	AV	2.4102G	102.46	Inf	-Inf	3	Horizontal	295	1.71	-
2412MHz	Pass	PK	2.3894G	64.24	74.00	-9.76	3	Horizontal	295	1.71	-
2412MHz	Pass	PK	2.413G	106.46	Inf	-Inf	3	Horizontal	295	1.71	-
2412MHz	Pass	AV	4.82402G	44.91	54.00	-9.09	3	Vertical	115	1.50	-
2412MHz	Pass	PK	4.8241G	48.61	74.00	-25.39	3	Vertical	115	1.50	-
2412MHz	Pass	AV	4.82404G	44.61	54.00	-9.39	3	Horizontal	155	1.68	-
2412MHz	Pass	PK	4.82392G	49.18	74.00	-24.82	3	Horizontal	155	1.68	-
2437MHz	Pass	AV	2.3454G	45.89	54.00	-8.11	3	Vertical	260	1.79	-
2437MHz	Pass	AV	2.4358G	101.65	Inf	-Inf	3	Vertical	260	1.79	-
2437MHz	Pass	AV	2.4978G	45.57	54.00	-8.43	3	Vertical	260	1.79	-
2437MHz	Pass	PK	2.379G	58.91	74.00	-15.09	3	Vertical	260	1.79	-
2437MHz	Pass	PK	2.4362G	105.78	Inf	-Inf	3	Vertical	260	1.79	-
2437MHz	Pass	PK	2.4898G	57.43	74.00	-16.57	3	Vertical	260	1.79	-
2437MHz	Pass	AV	2.3458G	45.88	54.00	-8.12	3	Horizontal	298	1.81	-
2437MHz	Pass	AV	2.4382G	104.39	Inf	-Inf	3	Horizontal	298	1.81	-
2437MHz	Pass	AV	2.4906G	45.57	54.00	-8.43	3	Horizontal	298	1.81	-
2437MHz	Pass	PK	2.3522G	57.76	74.00	-16.24	3	Horizontal	298	1.81	-
2437MHz	Pass	PK	2.4378G	108.50	Inf	-Inf	3	Horizontal	298	1.81	-
2437MHz	Pass	PK	2.4882G	57.76	74.00	-16.24	3	Horizontal	298	1.81	-
2437MHz	Pass	AV	4.87404G	44.71	54.00	-9.29	3	Vertical	53	1.52	-
2437MHz	Pass	AV	7.31022G	44.44	54.00	-9.56	3	Vertical	182	1.08	-
2437MHz	Pass	PK	4.874G	49.03	74.00	-24.97	3	Vertical	53	1.52	-
2437MHz	Pass	PK	7.30996G	53.48	74.00	-20.52	3	Vertical	182	1.08	-
2437MHz	Pass	AV	4.874G	43.79	54.00	-10.21	3	Horizontal	299	2.22	-
2437MHz	Pass	AV	7.31028G	44.02	54.00	-9.98	3	Horizontal	297	1.49	-
2437MHz	Pass	PK	4.87396G	48.25	74.00	-25.75	3	Horizontal	299	2.22	-
2437MHz	Pass	PK	7.31084G	52.94	74.00	-21.06	3	Horizontal	297	1.49	-
2462MHz	Pass	AV	2.4612G	99.44	Inf	-Inf	3	Vertical	261	1.55	-
2462MHz	Pass	AV	2.4835G	48.60	54.00	-5.40	3	Vertical	261	1.55	-
2462MHz	Pass	PK	2.461G	103.43	Inf	-Inf	3	Vertical	261	1.55	-
2462MHz	Pass	PK	2.4836G	64.81	74.00	-9.19	3	Vertical	261	1.55	-
2462MHz	Pass	AV	2.4612G	102.45	Inf	-Inf	3	Horizontal	296	1.81	-
2462MHz	Pass	AV	2.4835G	50.56	54.00	-3.44	3	Horizontal	296	1.81	-
2462MHz	Pass	PK	2.461G	106.27	Inf	-Inf	3	Horizontal	296	1.81	-
2462MHz	Pass	PK	2.4836G	65.19	74.00	-8.81	3	Horizontal	296	1.81	-
2462MHz	Pass	AV	4.92402G	45.88	54.00	-8.12	3	Vertical	54	1.46	-
2462MHz	Pass	AV	7.38532G	44.08	54.00	-9.92	3	Vertical	55	1.78	-
2462MHz	Pass	PK	4.92399G	50.04	74.00	-23.96	3	Vertical	54	1.46	-
2462MHz	Pass	PK	7.38414G	52.67	74.00	-21.33	3	Vertical	55	1.78	-
2462MHz	Pass	AV	4.92401G	44.65	54.00	-9.35	3	Horizontal	238	1.66	-
2462MHz	Pass	AV	7.3852G	43.91	54.00	-10.09	3	Horizontal	300	1.40	-
2462MHz	Pass	PK	4.92411G	49.14	74.00	-24.86	3	Horizontal	238	1.66	-
2462MHz	Pass	PK	7.38658G	52.68	74.00	-21.32	3	Horizontal	300	1.40	-
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.61	54.00	-2.39	3	Vertical	253	1.86	-
2412MHz	Pass	AV	2.4176G	92.41	Inf	-Inf	3	Vertical	253	1.86	-
2412MHz	Pass	PK	2.3898G	69.22	74.00	-4.78	3	Vertical	253	1.86	-
2412MHz	Pass	PK	2.4144G	101.72	Inf	-Inf	3	Vertical	253	1.86	-
2412MHz	Pass	AV	2.39G	51.29	54.00	-2.71	3	Horizontal	298	2.74	-
2412MHz	Pass	AV	2.4178G	94.88	Inf	-Inf	3	Horizontal	298	2.74	-
2412MHz	Pass	PK	2.3898G	69.26	74.00	-4.74	3	Horizontal	298	2.74	-
2412MHz	Pass	PK	2.4166G	104.20	Inf	-Inf	3	Horizontal	298	2.74	-
2412MHz	Pass	AV	4.8239G	30.77	54.00	-23.23	3	Vertical	54	1.49	-
2412MHz	Pass	PK	4.82562G	44.03	74.00	-29.97	3	Vertical	54	1.49	-
2412MHz	Pass	AV	4.82406G	30.34	54.00	-23.66	3	Horizontal	158	1.68	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	4.81906G	43.51	74.00	-30.49	3	Horizontal	158	1.68	-
2417MHz	Pass	AV	2.39G	51.59	54.00	-2.41	3	Vertical	258	1.64	-
2417MHz	Pass	AV	2.423G	97.34	Inf	-Inf	3	Vertical	258	1.64	-
2417MHz	Pass	PK	2.389G	68.79	74.00	-5.21	3	Vertical	258	1.64	-
2417MHz	Pass	PK	2.4224G	106.54	Inf	-Inf	3	Vertical	258	1.64	-
2417MHz	Pass	AV	2.39G	53.59	54.00	-0.41	3	Horizontal	298	1.85	-
2417MHz	Pass	AV	2.4228G	100.31	Inf	-Inf	3	Horizontal	298	1.85	-
2417MHz	Pass	PK	2.3896G	71.15	74.00	-2.85	3	Horizontal	298	1.85	-
2417MHz	Pass	PK	2.4184G	109.35	Inf	-Inf	3	Horizontal	298	1.85	-
2437MHz	Pass	AV	2.3374G	46.37	54.00	-7.63	3	Vertical	251	1.79	-
2437MHz	Pass	AV	2.4382G	96.84	Inf	-Inf	3	Vertical	251	1.79	-
2437MHz	Pass	AV	2.4842G	46.56	54.00	-7.44	3	Vertical	251	1.79	-
2437MHz	Pass	PK	2.3526G	58.35	74.00	-15.65	3	Vertical	251	1.79	-
2437MHz	Pass	PK	2.4426G	106.35	Inf	-Inf	3	Vertical	251	1.79	-
2437MHz	Pass	PK	2.4882G	58.02	74.00	-15.98	3	Vertical	251	1.79	-
2437MHz	Pass	AV	2.3418G	46.49	54.00	-7.51	3	Horizontal	299	1.82	-
2437MHz	Pass	AV	2.443G	100.45	Inf	-Inf	3	Horizontal	299	1.82	-
2437MHz	Pass	AV	2.4846G	46.81	54.00	-7.19	3	Horizontal	299	1.82	-
2437MHz	Pass	PK	2.3374G	58.58	74.00	-15.42	3	Horizontal	299	1.82	-
2437MHz	Pass	PK	2.4362G	109.62	Inf	-Inf	3	Horizontal	299	1.82	-
2437MHz	Pass	PK	2.4842G	59.03	74.00	-14.97	3	Horizontal	299	1.82	-
2437MHz	Pass	AV	4.8741G	33.38	54.00	-20.62	3	Vertical	58	1.51	-
2437MHz	Pass	AV	7.3125G	39.84	54.00	-14.16	3	Vertical	285	1.49	-
2437MHz	Pass	PK	4.8737G	46.36	74.00	-27.64	3	Vertical	58	1.51	-
2437MHz	Pass	PK	7.30794G	52.71	74.00	-21.29	3	Vertical	285	1.49	-
2437MHz	Pass	AV	4.87404G	32.65	54.00	-21.35	3	Horizontal	249	1.01	-
2437MHz	Pass	AV	7.31162G	41.08	54.00	-12.92	3	Horizontal	301	1.48	-
2437MHz	Pass	PK	4.87332G	46.04	74.00	-27.96	3	Horizontal	249	1.01	-
2437MHz	Pass	PK	7.31558G	54.43	74.00	-19.57	3	Horizontal	301	1.48	-
2457MHz	Pass	AV	2.4632G	96.20	Inf	-Inf	3	Vertical	256	1.76	-
2457MHz	Pass	AV	2.4835G	49.90	54.00	-4.10	3	Vertical	256	1.76	-
2457MHz	Pass	PK	2.464G	104.88	Inf	-Inf	3	Vertical	256	1.76	-
2457MHz	Pass	PK	2.4835G	66.75	74.00	-7.25	3	Vertical	256	1.76	-
2457MHz	Pass	AV	2.451G	98.51	Inf	-Inf	3	Horizontal	296	1.84	-
2457MHz	Pass	AV	2.4836G	51.59	54.00	-2.41	3	Horizontal	296	1.84	-
2457MHz	Pass	PK	2.4536G	107.74	Inf	-Inf	3	Horizontal	296	1.84	-
2457MHz	Pass	PK	2.484G	69.18	74.00	-4.82	3	Horizontal	296	1.84	-
2462MHz	Pass	AV	2.4674G	93.06	Inf	-Inf	3	Vertical	260	1.76	-
2462MHz	Pass	AV	2.4835G	52.30	54.00	-1.70	3	Vertical	260	1.76	-
2462MHz	Pass	PK	2.4636G	102.45	Inf	-Inf	3	Vertical	260	1.76	-
2462MHz	Pass	PK	2.4836G	69.39	74.00	-4.61	3	Vertical	260	1.76	-
2462MHz	Pass	AV	2.4676G	94.75	Inf	-Inf	3	Horizontal	300	1.48	-
2462MHz	Pass	AV	2.4835G	53.42	54.00	-0.58	3	Horizontal	300	1.48	-
2462MHz	Pass	PK	2.4644G	104.24	Inf	-Inf	3	Horizontal	300	1.48	-
2462MHz	Pass	PK	2.4838G	70.10	74.00	-3.90	3	Horizontal	300	1.48	-
2462MHz	Pass	AV	4.9278G	30.12	54.00	-23.88	3	Vertical	72	2.42	-
2462MHz	Pass	AV	7.4025G	36.44	54.00	-17.56	3	Vertical	108	2.20	-
2462MHz	Pass	PK	4.9415G	43.26	74.00	-30.74	3	Vertical	72	2.42	-
2462MHz	Pass	PK	7.407G	49.36	74.00	-24.64	3	Vertical	108	2.20	-
2462MHz	Pass	AV	4.9293G	30.08	54.00	-23.92	3	Horizontal	116	1.89	-
2462MHz	Pass	AV	7.4077G	36.68	54.00	-17.32	3	Horizontal	231	1.06	-
2462MHz	Pass	PK	4.9218G	43.96	74.00	-30.04	3	Horizontal	116	1.89	-
2462MHz	Pass	PK	7.4074G	49.34	74.00	-24.66	3	Horizontal	231	1.06	-
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.47	54.00	-3.53	3	Vertical	244	1.43	-
2412MHz	Pass	AV	2.4172G	91.25	Inf	-Inf	3	Vertical	244	1.43	-
2412MHz	Pass	PK	2.3894G	68.01	74.00	-5.99	3	Vertical	244	1.43	-
2412MHz	Pass	PK	2.4174G	100.96	Inf	-Inf	3	Vertical	244	1.43	-
2412MHz	Pass	AV	2.39G	53.41	54.00	-0.59	3	Horizontal	299	1.84	-
2412MHz	Pass	AV	2.4178G	95.34	Inf	-Inf	3	Horizontal	299	1.84	-
2412MHz	Pass	PK	2.3898G	72.24	74.00	-1.76	3	Horizontal	299	1.84	-
2412MHz	Pass	PK	2.4164G	104.95	Inf	-Inf	3	Horizontal	299	1.84	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.82664G	29.62	54.00	-24.38	3	Vertical	51	1.01	-
2412MHz	Pass	PK	4.81752G	42.61	74.00	-31.39	3	Vertical	51	1.01	-
2412MHz	Pass	AV	4.848G	29.78	54.00	-24.22	3	Horizontal	353	1.84	-
2412MHz	Pass	PK	4.8367G	43.13	74.00	-30.87	3	Horizontal	353	1.84	-
2417MHz	Pass	AV	2.39G	50.72	54.00	-3.28	3	Vertical	257	1.63	-
2417MHz	Pass	AV	2.4236G	96.97	Inf	-Inf	3	Vertical	257	1.63	-
2417MHz	Pass	PK	2.3886G	71.94	74.00	-2.06	3	Vertical	257	1.63	-
2417MHz	Pass	PK	2.4228G	106.18	Inf	-Inf	3	Vertical	257	1.63	-
2417MHz	Pass	AV	2.39G	53.11	54.00	-0.89	3	Horizontal	303	1.82	-
2417MHz	Pass	AV	2.4232G	99.23	Inf	-Inf	3	Horizontal	303	1.82	-
2417MHz	Pass	PK	2.3888G	71.25	74.00	-2.75	3	Horizontal	303	1.82	-
2417MHz	Pass	PK	2.4242G	108.76	Inf	-Inf	3	Horizontal	303	1.82	-
2437MHz	Pass	AV	2.3514G	46.46	54.00	-7.54	3	Vertical	258	1.63	-
2437MHz	Pass	AV	2.4318G	97.90	Inf	-Inf	3	Vertical	258	1.63	-
2437MHz	Pass	AV	2.4835G	46.89	54.00	-7.11	3	Vertical	258	1.63	-
2437MHz	Pass	PK	2.3898G	58.14	74.00	-15.86	3	Vertical	258	1.63	-
2437MHz	Pass	PK	2.4302G	107.62	Inf	-Inf	3	Vertical	258	1.63	-
2437MHz	Pass	PK	2.4846G	60.88	74.00	-13.12	3	Vertical	258	1.63	-
2437MHz	Pass	AV	2.389G	47.06	54.00	-6.94	3	Horizontal	301	2.06	-
2437MHz	Pass	AV	2.4318G	100.47	Inf	-Inf	3	Horizontal	301	2.06	-
2437MHz	Pass	AV	2.4835G	47.11	54.00	-6.89	3	Horizontal	301	2.06	-
2437MHz	Pass	PK	2.3894G	61.23	74.00	-12.77	3	Horizontal	301	2.06	-
2437MHz	Pass	PK	2.431G	109.90	Inf	-Inf	3	Horizontal	301	2.06	-
2437MHz	Pass	PK	2.4842G	65.10	74.00	-8.90	3	Horizontal	301	2.06	-
2437MHz	Pass	AV	4.874G	33.08	54.00	-20.92	3	Vertical	54	1.53	-
2437MHz	Pass	AV	7.3107G	40.87	54.00	-13.13	3	Vertical	127	1.19	-
2437MHz	Pass	PK	4.8717G	45.79	74.00	-28.21	3	Vertical	54	1.53	-
2437MHz	Pass	PK	7.3148G	54.13	74.00	-19.87	3	Vertical	127	1.19	-
2437MHz	Pass	AV	4.8766G	32.44	54.00	-21.56	3	Horizontal	107	2.37	-
2437MHz	Pass	AV	7.3092G	40.64	54.00	-13.36	3	Horizontal	268	1.26	-
2437MHz	Pass	PK	4.869G	44.95	74.00	-29.05	3	Horizontal	107	2.37	-
2437MHz	Pass	PK	7.3187G	53.61	74.00	-20.39	3	Horizontal	268	1.26	-
2457MHz	Pass	AV	2.463G	94.90	Inf	-Inf	3	Vertical	265	1.72	-
2457MHz	Pass	AV	2.4835G	48.70	54.00	-5.30	3	Vertical	265	1.72	-
2457MHz	Pass	PK	2.4614G	104.31	Inf	-Inf	3	Vertical	265	1.72	-
2457MHz	Pass	PK	2.4846G	66.77	74.00	-7.23	3	Vertical	265	1.72	-
2457MHz	Pass	AV	2.4512G	97.72	Inf	-Inf	3	Horizontal	298	1.84	-
2457MHz	Pass	AV	2.4835G	50.22	54.00	-3.78	3	Horizontal	298	1.84	-
2457MHz	Pass	PK	2.4492G	107.40	Inf	-Inf	3	Horizontal	298	1.84	-
2457MHz	Pass	PK	2.485G	69.84	74.00	-4.16	3	Horizontal	298	1.84	-
2462MHz	Pass	AV	2.4678G	91.78	Inf	-Inf	3	Vertical	261	1.76	-
2462MHz	Pass	AV	2.4835G	50.57	54.00	-3.43	3	Vertical	261	1.76	-
2462MHz	Pass	PK	2.4678G	101.43	Inf	-Inf	3	Vertical	261	1.76	-
2462MHz	Pass	PK	2.4836G	66.37	74.00	-7.63	3	Vertical	261	1.76	-
2462MHz	Pass	AV	2.4676G	93.65	Inf	-Inf	3	Horizontal	298	1.76	-
2462MHz	Pass	AV	2.4835G	52.49	54.00	-1.51	3	Horizontal	298	1.76	-
2462MHz	Pass	PK	2.4684G	103.00	Inf	-Inf	3	Horizontal	298	1.76	-
2462MHz	Pass	PK	2.4835G	70.34	74.00	-3.66	3	Horizontal	298	1.76	-
2462MHz	Pass	AV	4.9303G	30.15	54.00	-23.85	3	Vertical	222	1.60	-
2462MHz	Pass	AV	7.3906G	36.54	54.00	-17.46	3	Vertical	73	1.57	-
2462MHz	Pass	PK	4.9268G	43.61	74.00	-30.39	3	Vertical	222	1.60	-
2462MHz	Pass	PK	7.4107G	49.31	74.00	-24.69	3	Vertical	73	1.57	-
2462MHz	Pass	AV	4.9241G	30.17	54.00	-23.83	3	Horizontal	56	2.24	-
2462MHz	Pass	AV	7.3913G	36.70	54.00	-17.30	3	Horizontal	216	2.43	-
2462MHz	Pass	PK	4.912G	42.85	74.00	-31.15	3	Horizontal	56	2.24	-
2462MHz	Pass	PK	7.3839G	49.39	74.00	-24.61	3	Horizontal	216	2.43	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

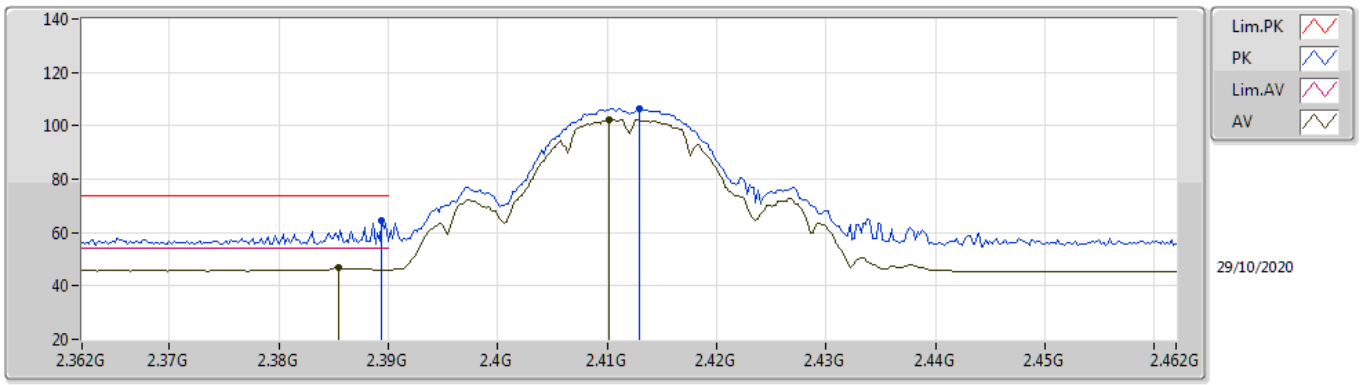
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3858G	46.16	54.00	-7.84	33.58	3	Vertical	254	1.84	-	12.58	27.63	5.95	-
AV	2.4112G	98.68	Inf	-Inf	33.53	3	Vertical	254	1.84	-	65.15	27.56	5.97	-
PK	2.3884G	59.46	74.00	-14.54	33.57	3	Vertical	254	1.84	-	25.89	27.62	5.95	-
PK	2.413G	102.70	Inf	-Inf	33.53	3	Vertical	254	1.84	-	69.17	27.55	5.98	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

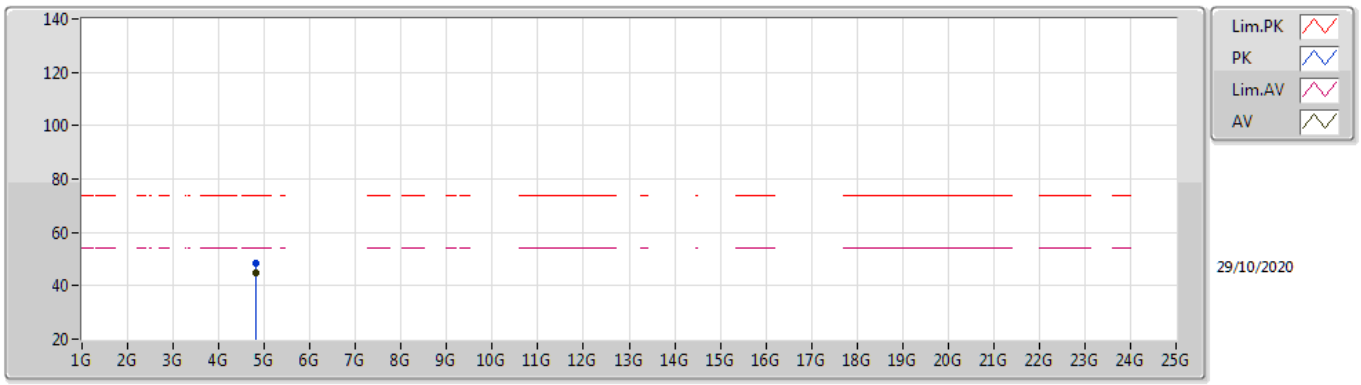
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3854G	46.79	54.00	-7.21	33.58	3	Horizontal	295	1.71	-	13.21	27.63	5.95	-
AV	2.4102G	102.46	Inf	-Inf	33.53	3	Horizontal	295	1.71	-	68.93	27.56	5.97	-
PK	2.3894G	64.24	74.00	-9.76	33.57	3	Horizontal	295	1.71	-	30.67	27.62	5.95	-
PK	2.413G	106.46	Inf	-Inf	33.53	3	Horizontal	295	1.71	-	72.93	27.55	5.98	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

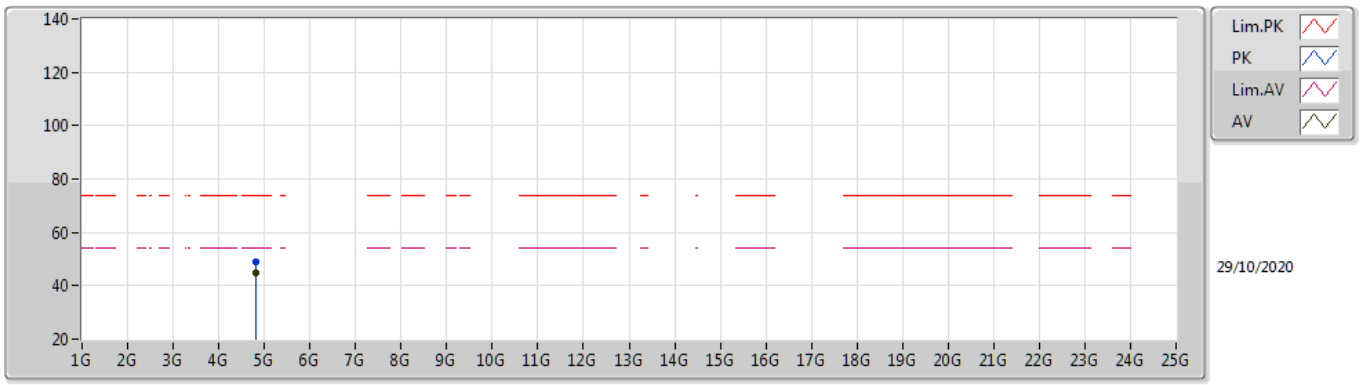
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82402G	44.91	54.00	-9.09	4.99	3	Vertical	115	1.50	-	39.92	31.00	8.27	34.28
PK	4.8241G	48.61	74.00	-25.39	4.99	3	Vertical	115	1.50	-	43.62	31.00	8.27	34.28

802.11b_Nss1,(1Mbps)_1TX(Port2)

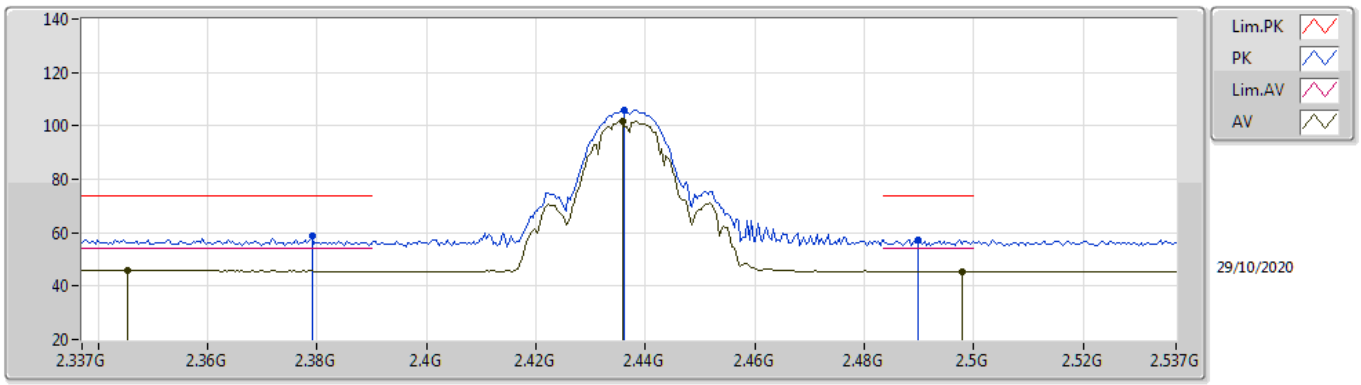
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82404G	44.61	54.00	-9.39	4.99	3	Horizontal	155	1.68	-	39.62	31.00	8.27	34.28
PK	4.82392G	49.18	74.00	-24.82	4.99	3	Horizontal	155	1.68	-	44.19	31.00	8.27	34.28

802.11b_Nss1,(1Mbps)_1TX(Port2)

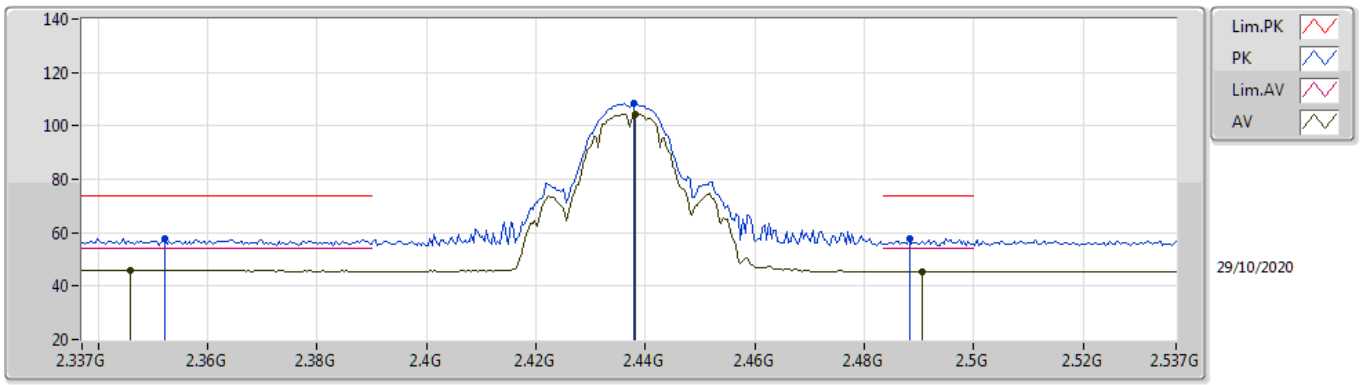
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3454G	45.89	54.00	-8.11	33.64	3	Vertical	260	1.79	-	12.25	27.72	5.92	-
AV	2.4358G	101.65	Inf	-Inf	33.46	3	Vertical	260	1.79	-	68.19	27.46	6.00	-
AV	2.4978G	45.57	54.00	-8.43	33.48	3	Vertical	260	1.79	-	12.09	27.40	6.08	-
PK	2.379G	58.91	74.00	-15.09	33.58	3	Vertical	260	1.79	-	25.33	27.64	5.94	-
PK	2.4362G	105.78	Inf	-Inf	33.46	3	Vertical	260	1.79	-	72.32	27.46	6.00	-
PK	2.4898G	57.43	74.00	-16.57	33.47	3	Vertical	260	1.79	-	23.96	27.40	6.07	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

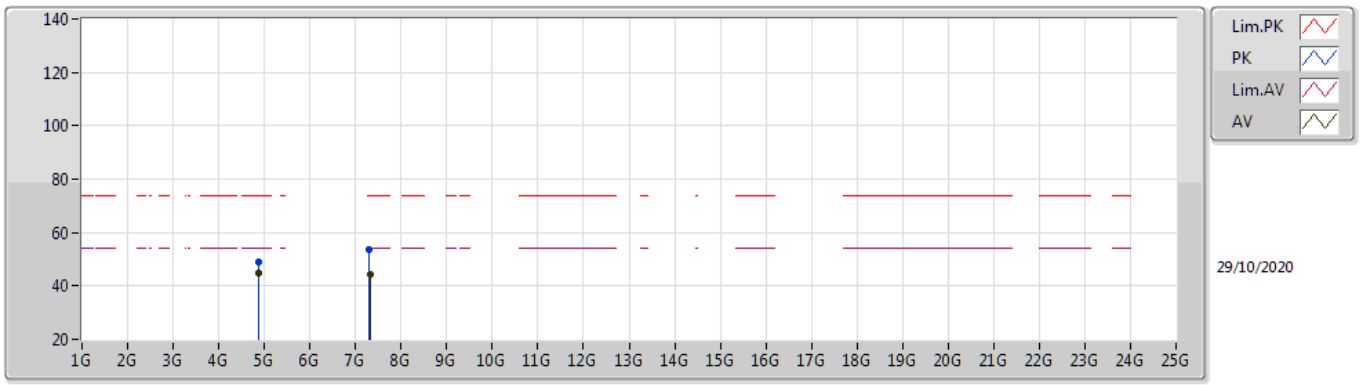
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3458G	45.88	54.00	-8.12	33.64	3	Horizontal	298	1.81	-	12.24	27.72	5.92	-
AV	2.4382G	104.39	Inf	-Inf	33.46	3	Horizontal	298	1.81	-	70.93	27.45	6.01	-
AV	2.4906G	45.57	54.00	-8.43	33.47	3	Horizontal	298	1.81	-	12.10	27.40	6.07	-
PK	2.3522G	57.76	74.00	-16.24	33.62	3	Horizontal	298	1.81	-	24.14	27.70	5.92	-
PK	2.4378G	108.50	Inf	-Inf	33.46	3	Horizontal	298	1.81	-	75.04	27.45	6.01	-
PK	2.4882G	57.76	74.00	-16.24	33.47	3	Horizontal	298	1.81	-	24.29	27.40	6.07	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

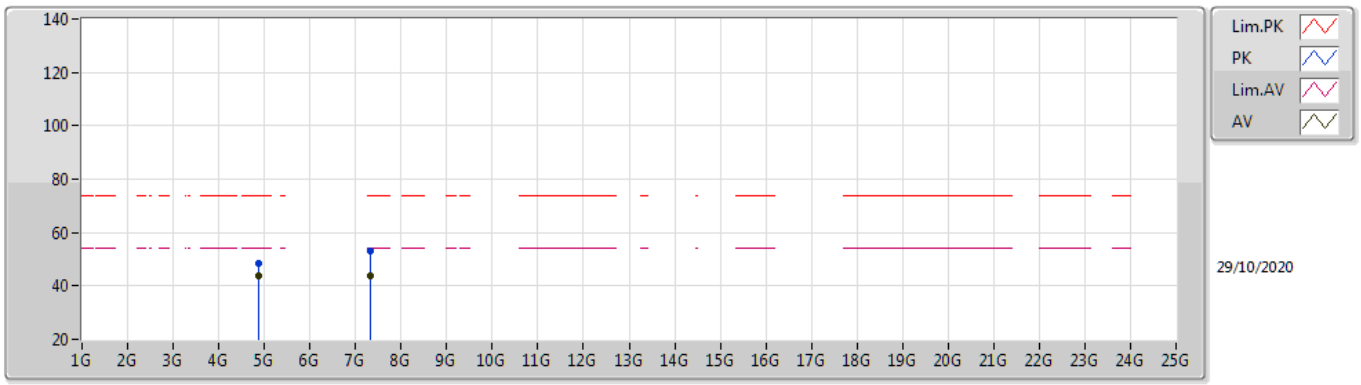
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87404G	44.71	54.00	-9.29	5.09	3	Vertical	53	1.52	-	39.62	31.05	8.30	34.26
AV	7.31022G	44.44	54.00	-9.56	11.82	3	Vertical	182	1.08	-	32.62	36.36	10.03	34.57
PK	4.874G	49.03	74.00	-24.97	5.09	3	Vertical	53	1.52	-	43.94	31.05	8.30	34.26
PK	7.30996G	53.48	74.00	-20.52	11.82	3	Vertical	182	1.08	-	41.66	36.36	10.03	34.57

802.11b_Nss1,(1Mbps)_1TX(Port2)

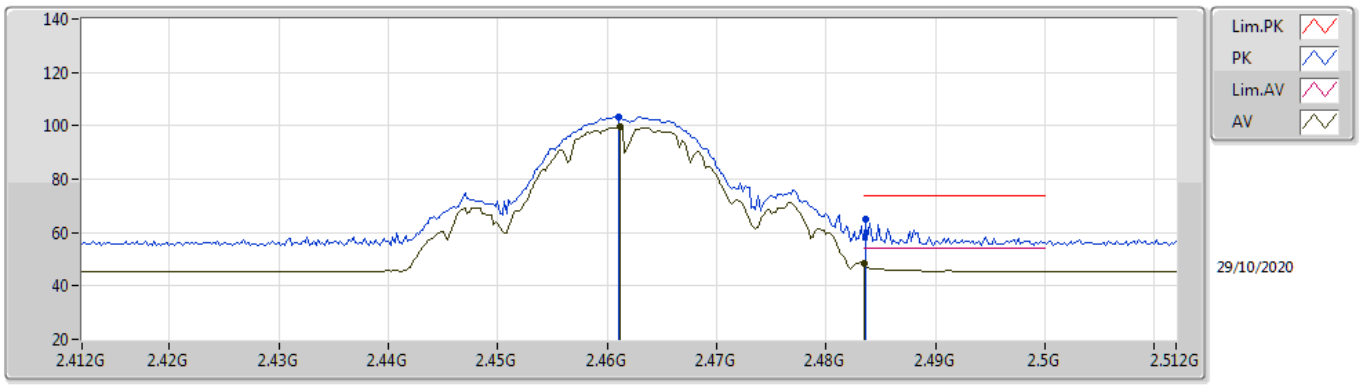
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	43.79	54.00	-10.21	5.09	3	Horizontal	299	2.22	-	38.70	31.05	8.30	34.26
AV	7.31028G	44.02	54.00	-9.98	11.82	3	Horizontal	297	1.49	-	32.20	36.36	10.03	34.57
PK	4.87396G	48.25	74.00	-25.75	5.09	3	Horizontal	299	2.22	-	43.16	31.05	8.30	34.26
PK	7.31084G	52.94	74.00	-21.06	11.82	3	Horizontal	297	1.49	-	41.12	36.36	10.03	34.57

802.11b_Nss1,(1Mbps)_1TX(Port2)

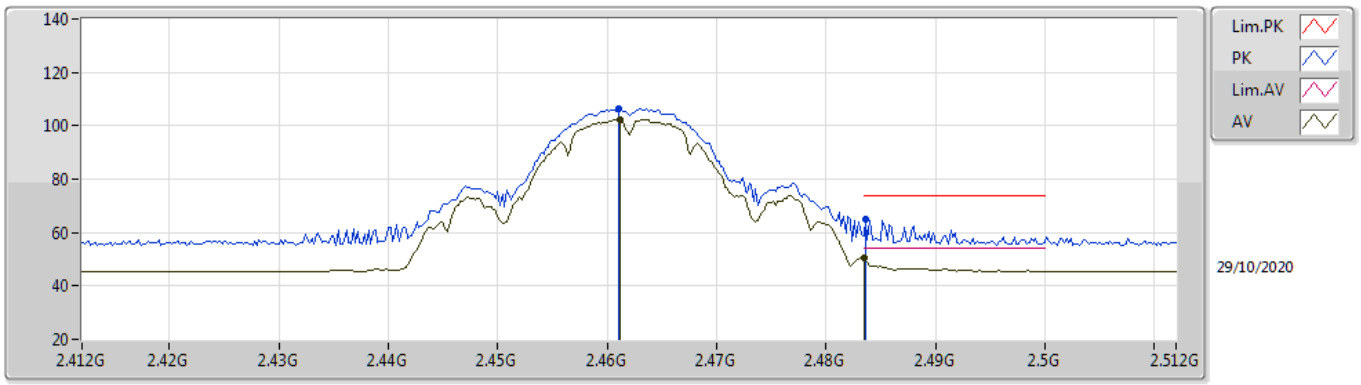
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	99.44	Inf	-Inf	33.43	3	Vertical	261	1.55	-	66.01	27.40	6.03	-
AV	2.4835G	48.60	54.00	-5.40	33.46	3	Vertical	261	1.55	-	15.14	27.40	6.06	-
PK	2.461G	103.43	Inf	-Inf	33.43	3	Vertical	261	1.55	-	70.00	27.40	6.03	-
PK	2.4836G	64.81	74.00	-9.19	33.46	3	Vertical	261	1.55	-	31.35	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

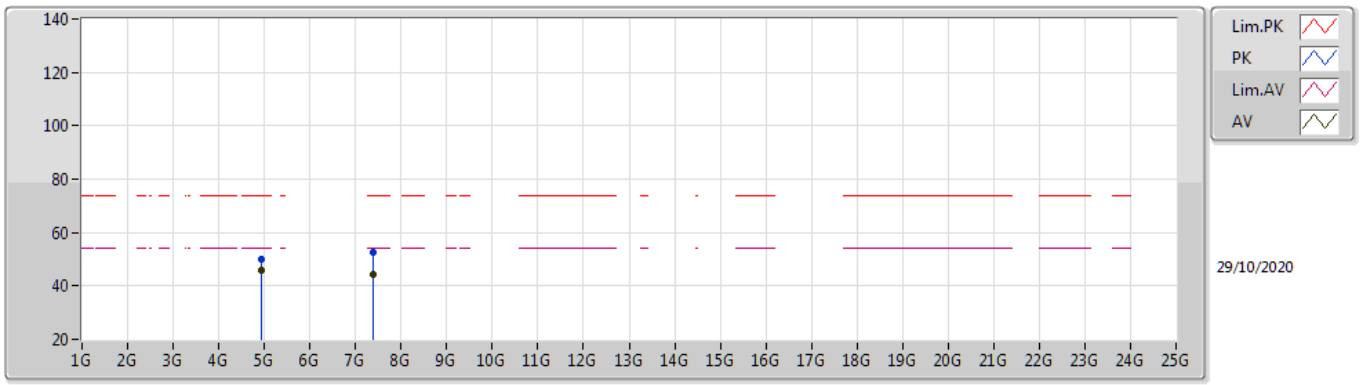
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	102.45	Inf	-Inf	33.43	3	Horizontal	296	1.81	-	69.02	27.40	6.03	-
AV	2.4835G	50.56	54.00	-3.44	33.46	3	Horizontal	296	1.81	-	17.10	27.40	6.06	-
PK	2.461G	106.27	Inf	-Inf	33.43	3	Horizontal	296	1.81	-	72.84	27.40	6.03	-
PK	2.4836G	65.19	74.00	-8.81	33.46	3	Horizontal	296	1.81	-	31.73	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX(Port2)

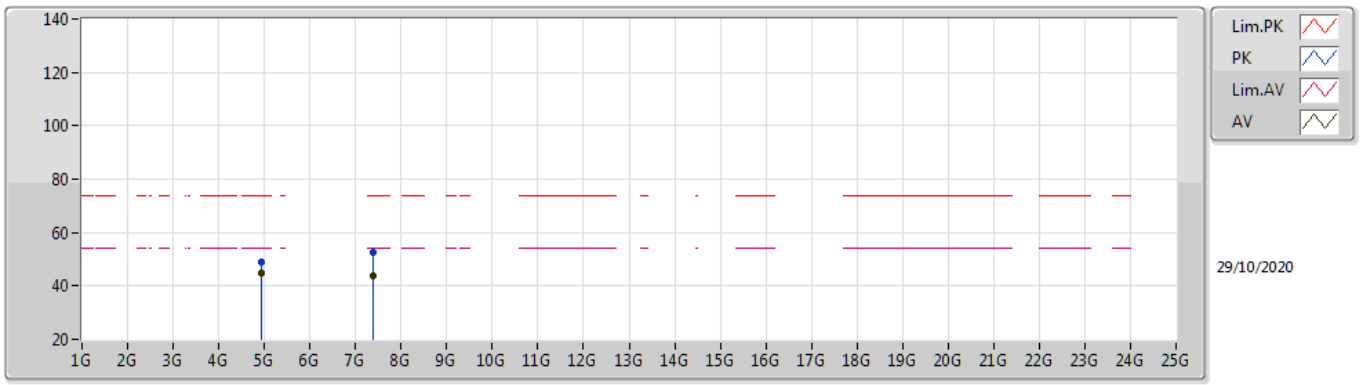
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92402G	45.88	54.00	-8.12	5.18	3	Vertical	54	1.46	-	40.70	31.10	8.33	34.25
AV	7.38532G	44.08	54.00	-9.92	11.60	3	Vertical	55	1.78	-	32.48	36.13	10.05	34.58
PK	4.92399G	50.04	74.00	-23.96	5.18	3	Vertical	54	1.46	-	44.86	31.10	8.33	34.25
PK	7.38414G	52.67	74.00	-21.33	11.60	3	Vertical	55	1.78	-	41.07	36.13	10.05	34.58

802.11b_Nss1,(1Mbps)_1TX(Port2)

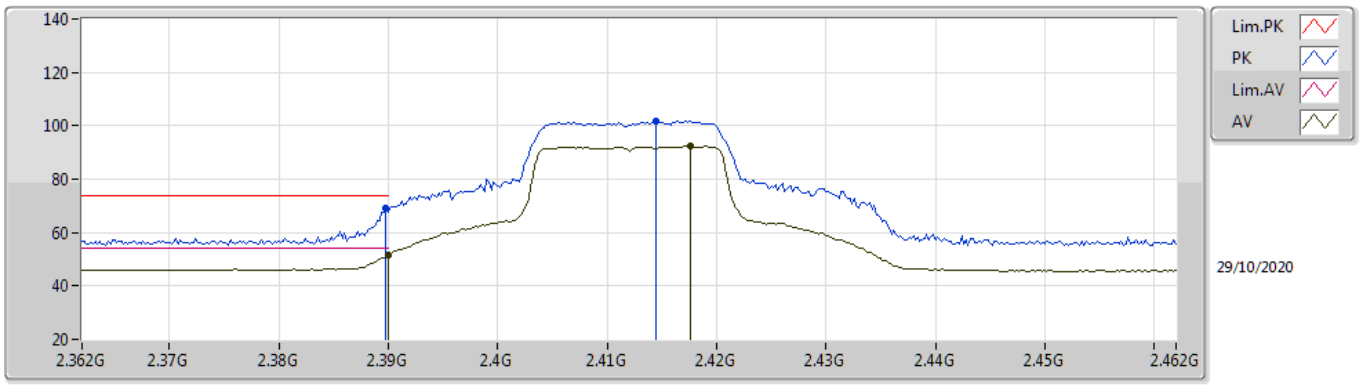
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92401G	44.65	54.00	-9.35	5.18	3	Horizontal	238	1.66	-	39.47	31.10	8.33	34.25
AV	7.3852G	43.91	54.00	-10.09	11.60	3	Horizontal	300	1.40	-	32.31	36.13	10.05	34.58
PK	4.92411G	49.14	74.00	-24.86	5.18	3	Horizontal	238	1.66	-	43.96	31.10	8.33	34.25
PK	7.38658G	52.68	74.00	-21.32	11.60	3	Horizontal	300	1.40	-	41.08	36.13	10.05	34.58

802.11g_Nss1,(6Mbps)_1TX(Port2)

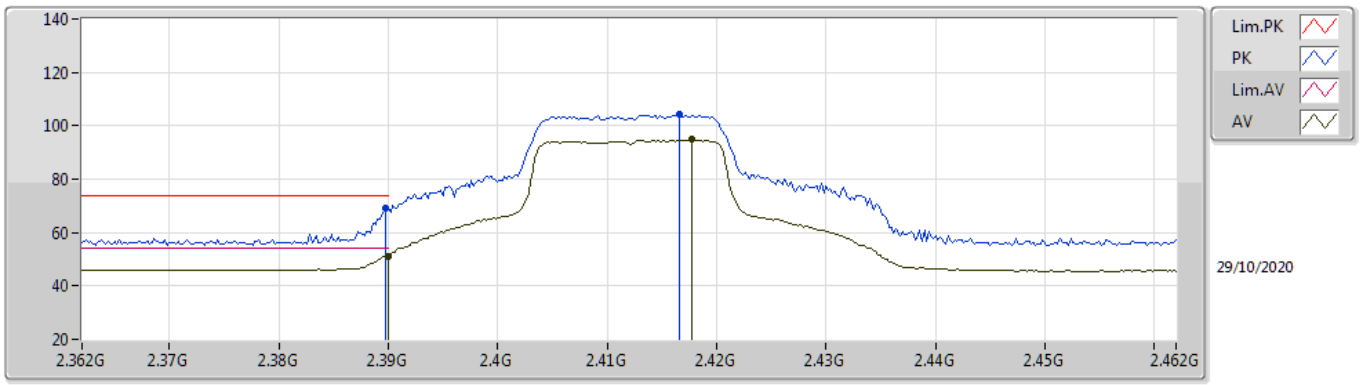
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.61	54.00	-2.39	33.57	3	Vertical	253	1.86	-	18.04	27.62	5.95	-
AV	2.4176G	92.41	Inf	-Inf	33.51	3	Vertical	253	1.86	-	58.90	27.53	5.98	-
PK	2.3898G	69.22	74.00	-4.78	33.57	3	Vertical	253	1.86	-	35.65	27.62	5.95	-
PK	2.4144G	101.72	Inf	-Inf	33.52	3	Vertical	253	1.86	-	68.20	27.54	5.98	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

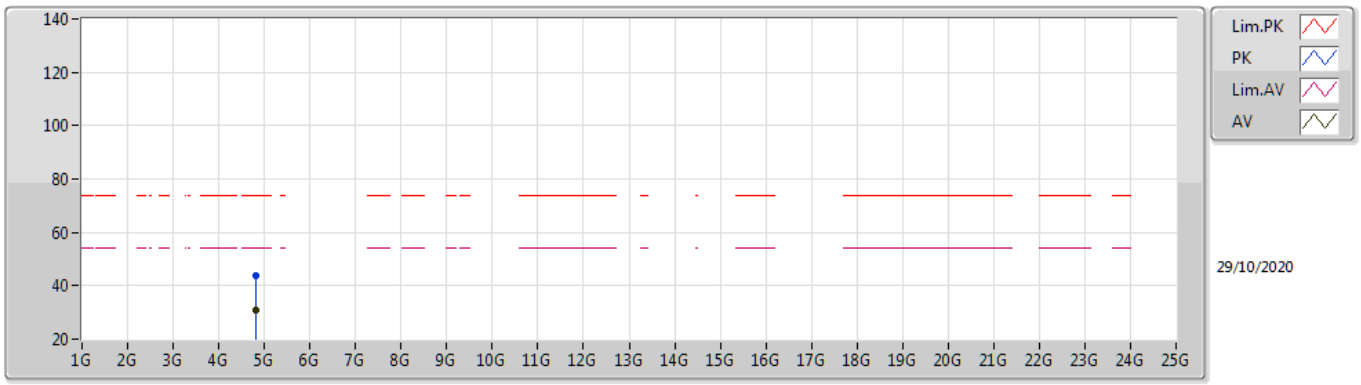
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.29	54.00	-2.71	33.57	3	Horizontal	298	2.74	-	17.72	27.62	5.95	-
AV	2.4178G	94.88	Inf	-Inf	33.51	3	Horizontal	298	2.74	-	61.37	27.53	5.98	-
PK	2.3898G	69.26	74.00	-4.74	33.57	3	Horizontal	298	2.74	-	35.69	27.62	5.95	-
PK	2.4166G	104.20	Inf	-Inf	33.51	3	Horizontal	298	2.74	-	70.69	27.53	5.98	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

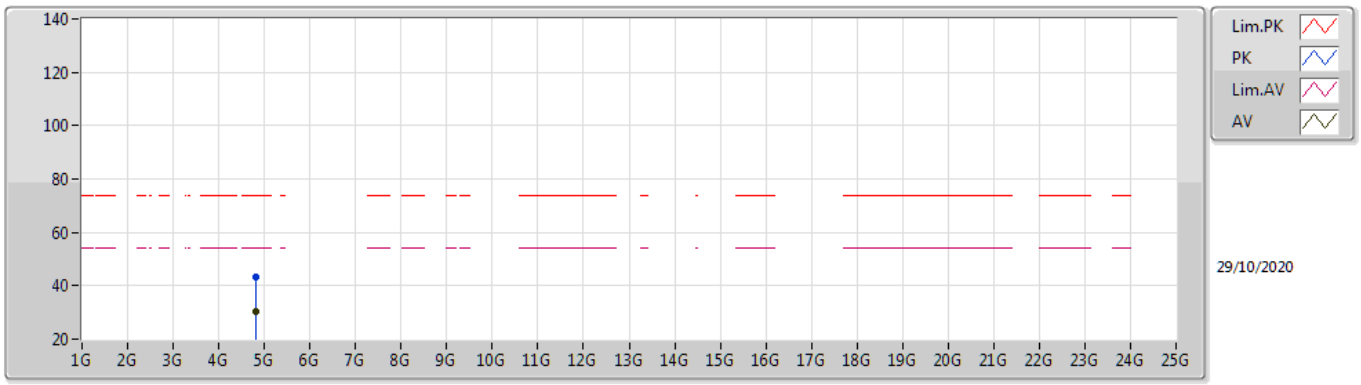
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8239G	30.77	54.00	-23.23	4.99	3	Vertical	54	1.49	-	25.78	31.00	8.27	34.28
PK	4.82562G	44.03	74.00	-29.97	4.99	3	Vertical	54	1.49	-	39.04	31.00	8.27	34.28

802.11g_Nss1,(6Mbps)_1TX(Port2)

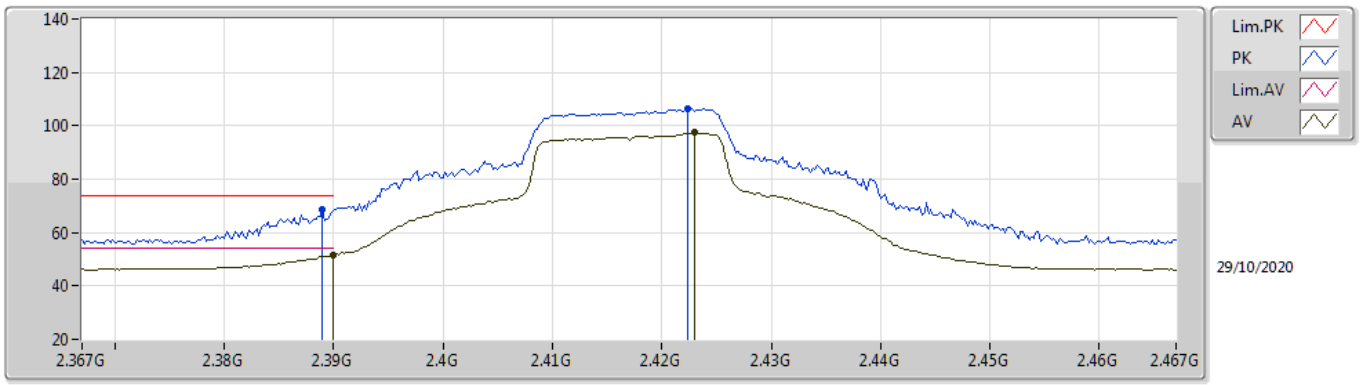
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82406G	30.34	54.00	-23.66	4.99	3	Horizontal	158	1.68	-	25.35	31.00	8.27	34.28
PK	4.81906G	43.51	74.00	-30.49	4.96	3	Horizontal	158	1.68	-	38.55	30.98	8.26	34.28

802.11g_Nss1,(6Mbps)_1TX(Port2)

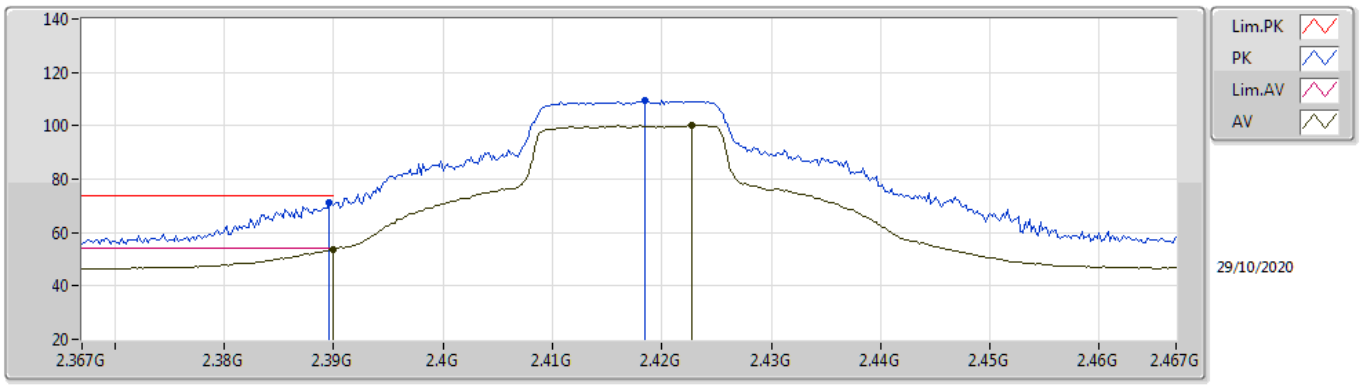
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.59	54.00	-2.41	33.57	3	Vertical	258	1.64	-	18.02	27.62	5.95	-
AV	2.423G	97.34	Inf	-Inf	33.50	3	Vertical	258	1.64	-	63.84	27.51	5.99	-
PK	2.389G	68.79	74.00	-5.21	33.57	3	Vertical	258	1.64	-	35.22	27.62	5.95	-
PK	2.4224G	106.54	Inf	-Inf	33.50	3	Vertical	258	1.64	-	73.04	27.51	5.99	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

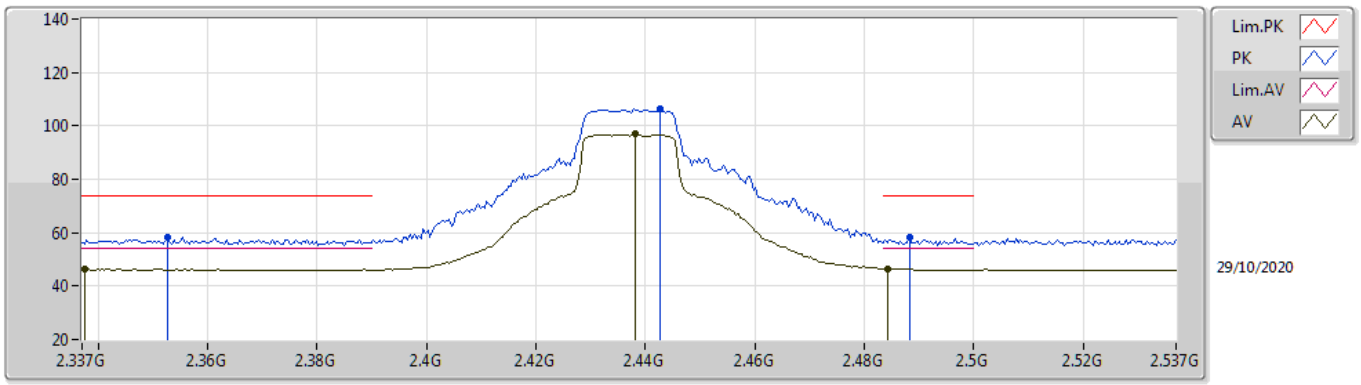
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.59	54.00	-0.41	33.57	3	Horizontal	298	1.85	-	20.02	27.62	5.95	-
AV	2.4228G	100.31	Inf	-Inf	33.50	3	Horizontal	298	1.85	-	66.81	27.51	5.99	-
PK	2.3896G	71.15	74.00	-2.85	33.57	3	Horizontal	298	1.85	-	37.58	27.62	5.95	-
PK	2.4184G	109.35	Inf	-Inf	33.51	3	Horizontal	298	1.85	-	75.84	27.53	5.98	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

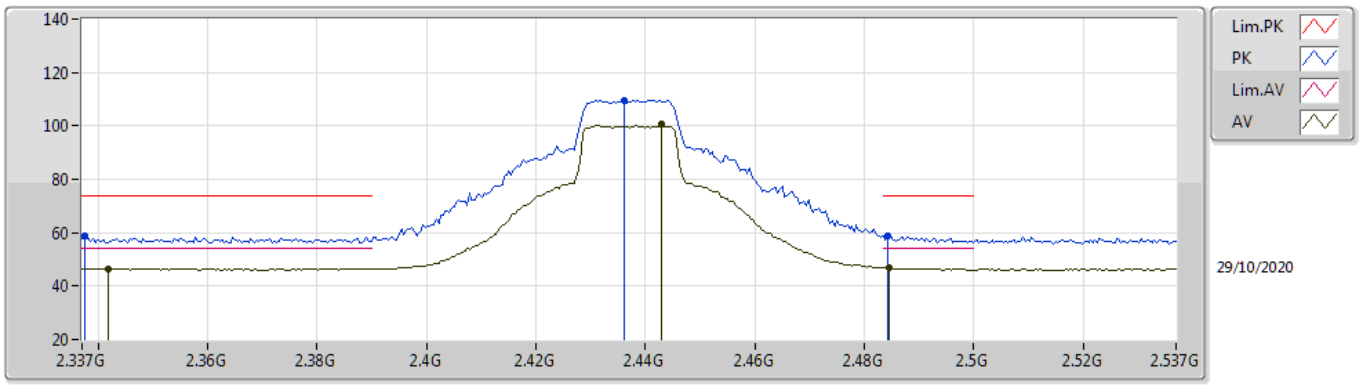
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3374G	46.37	54.00	-7.63	33.66	3	Vertical	251	1.79	-	12.71	27.75	5.91	-
AV	2.4382G	96.84	Inf	-Inf	33.46	3	Vertical	251	1.79	-	63.38	27.45	6.01	-
AV	2.4842G	46.56	54.00	-7.44	33.46	3	Vertical	251	1.79	-	13.10	27.40	6.06	-
PK	2.3526G	58.35	74.00	-15.65	33.61	3	Vertical	251	1.79	-	24.74	27.69	5.92	-
PK	2.4426G	106.35	Inf	-Inf	33.44	3	Vertical	251	1.79	-	72.91	27.43	6.01	-
PK	2.4882G	58.02	74.00	-15.98	33.47	3	Vertical	251	1.79	-	24.55	27.40	6.07	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

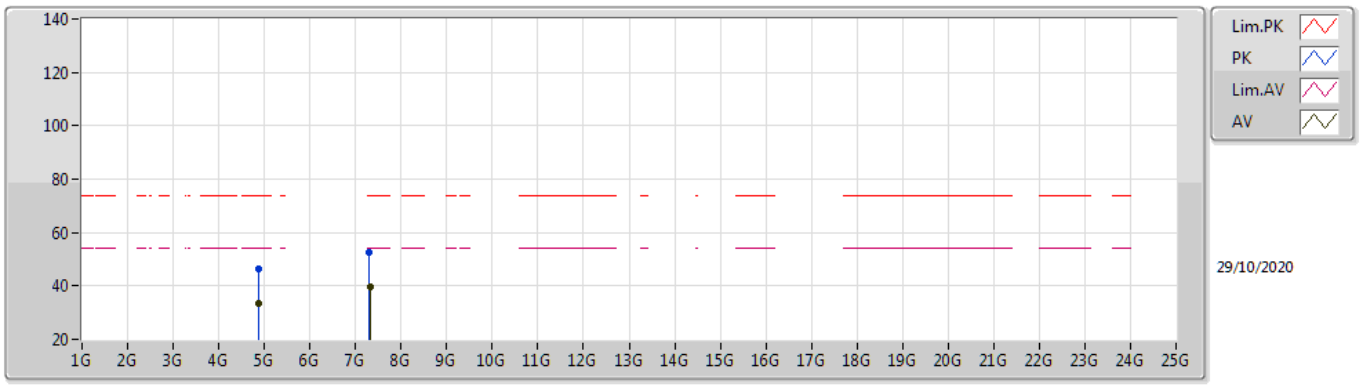
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3418G	46.49	54.00	-7.51	33.65	3	Horizontal	299	1.82	-	12.84	27.73	5.92	-
AV	2.443G	100.45	Inf	-Inf	33.44	3	Horizontal	299	1.82	-	67.01	27.43	6.01	-
AV	2.4846G	46.81	54.00	-7.19	33.46	3	Horizontal	299	1.82	-	13.35	27.40	6.06	-
PK	2.3374G	58.58	74.00	-15.42	33.66	3	Horizontal	299	1.82	-	24.92	27.75	5.91	-
PK	2.4362G	109.62	Inf	-Inf	33.46	3	Horizontal	299	1.82	-	76.16	27.46	6.00	-
PK	2.4842G	59.03	74.00	-14.97	33.46	3	Horizontal	299	1.82	-	25.57	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

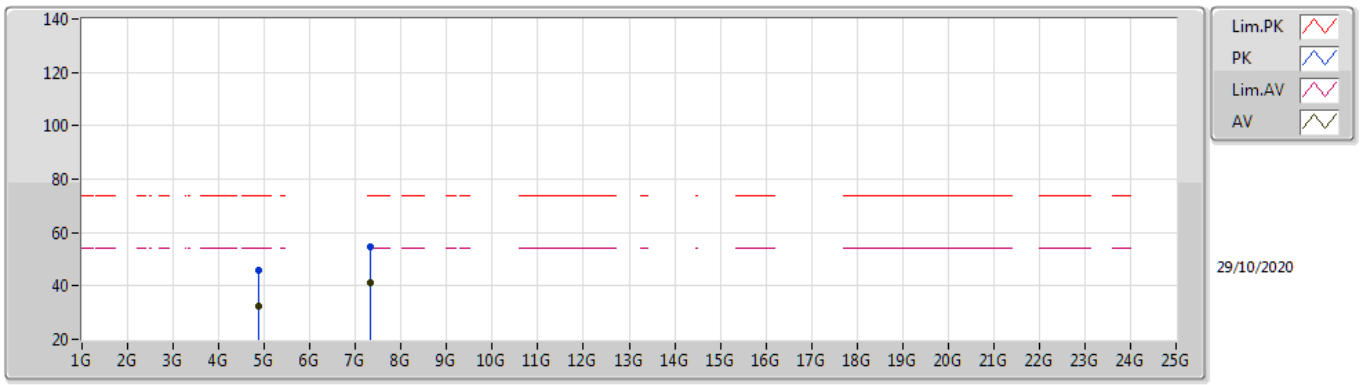
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8741G	33.38	54.00	-20.62	5.09	3	Vertical	58	1.51	-	28.29	31.05	8.30	34.26
AV	7.3125G	39.84	54.00	-14.16	11.81	3	Vertical	285	1.49	-	28.03	36.35	10.03	34.57
PK	4.8737G	46.36	74.00	-27.64	5.09	3	Vertical	58	1.51	-	41.27	31.05	8.30	34.26
PK	7.30794G	52.71	74.00	-21.29	11.83	3	Vertical	285	1.49	-	40.88	36.37	10.03	34.57

802.11g_Nss1,(6Mbps)_1TX(Port2)

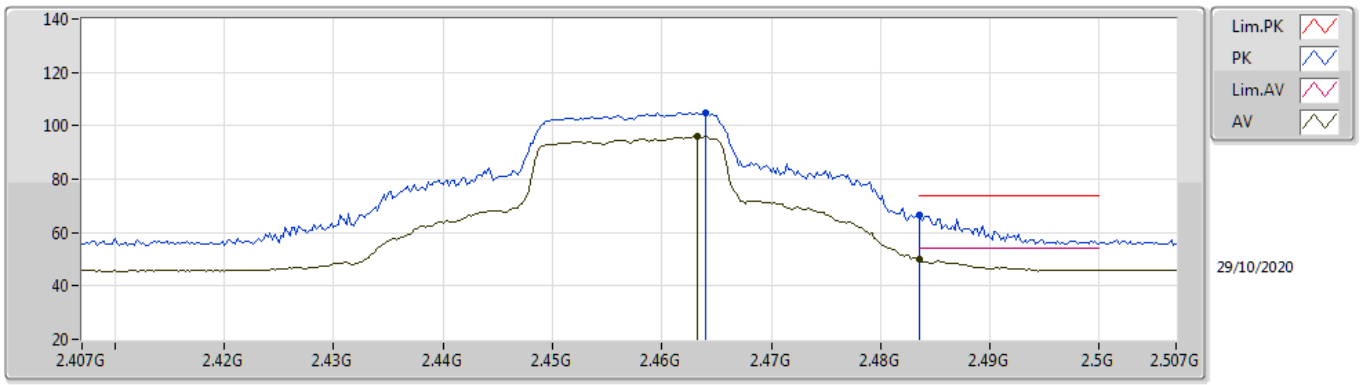
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87404G	32.65	54.00	-21.35	5.09	3	Horizontal	249	1.01	-	27.56	31.05	8.30	34.26
AV	7.31162G	41.08	54.00	-12.92	11.81	3	Horizontal	301	1.48	-	29.27	36.35	10.03	34.57
PK	4.87332G	46.04	74.00	-27.96	5.09	3	Horizontal	249	1.01	-	40.95	31.05	8.30	34.26
PK	7.31558G	54.43	74.00	-19.57	11.80	3	Horizontal	301	1.48	-	42.63	36.34	10.03	34.57

802.11g_Nss1,(6Mbps)_1TX(Port2)

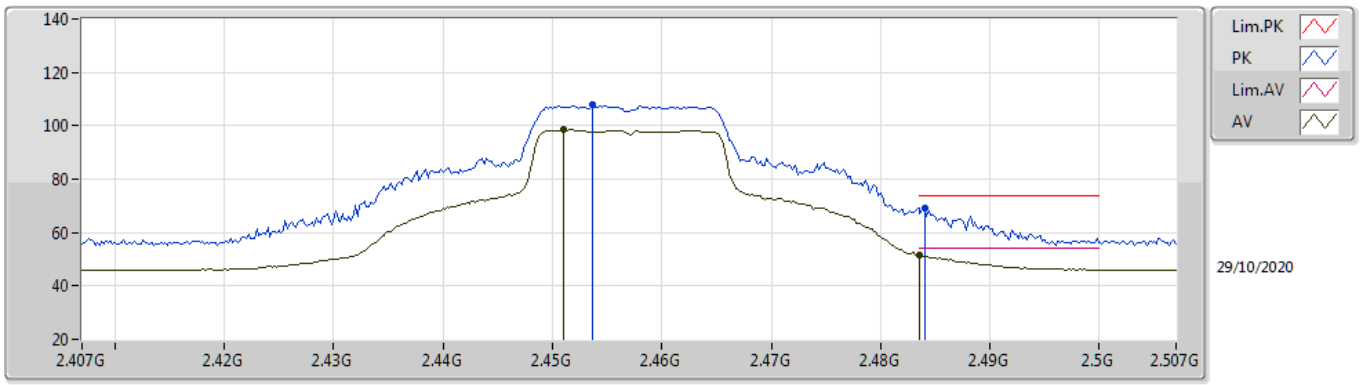
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4632G	96.20	Inf	-Inf	33.44	3	Vertical	256	1.76	-	62.76	27.40	6.04	-
AV	2.4835G	49.90	54.00	-4.10	33.46	3	Vertical	256	1.76	-	16.44	27.40	6.06	-
PK	2.464G	104.88	Inf	-Inf	33.44	3	Vertical	256	1.76	-	71.44	27.40	6.04	-
PK	2.4835G	66.75	74.00	-7.25	33.46	3	Vertical	256	1.76	-	33.29	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

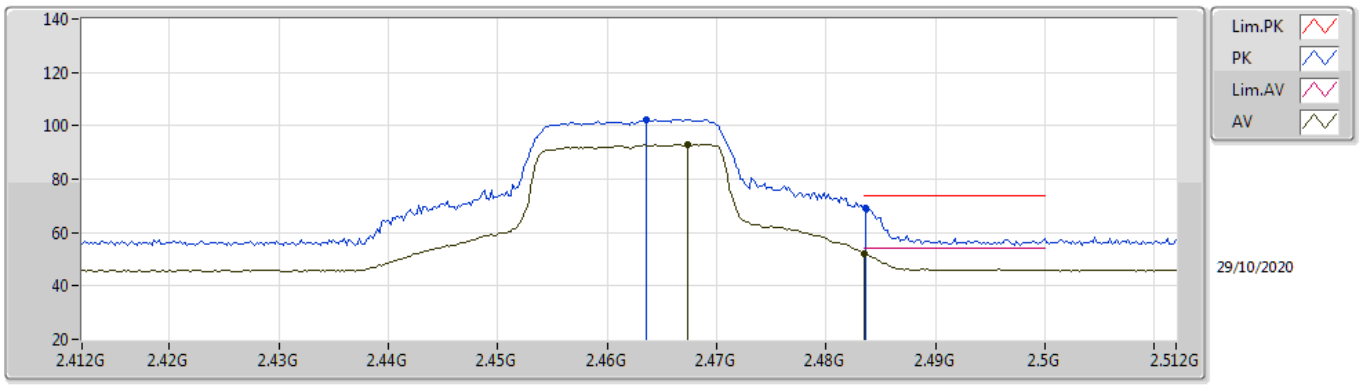
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.451G	98.51	Inf	-Inf	33.42	3	Horizontal	296	1.84	-	65.09	27.40	6.02	-
AV	2.4836G	51.59	54.00	-2.41	33.46	3	Horizontal	296	1.84	-	18.13	27.40	6.06	-
PK	2.4536G	107.74	Inf	-Inf	33.42	3	Horizontal	296	1.84	-	74.32	27.40	6.02	-
PK	2.484G	69.18	74.00	-4.82	33.46	3	Horizontal	296	1.84	-	35.72	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

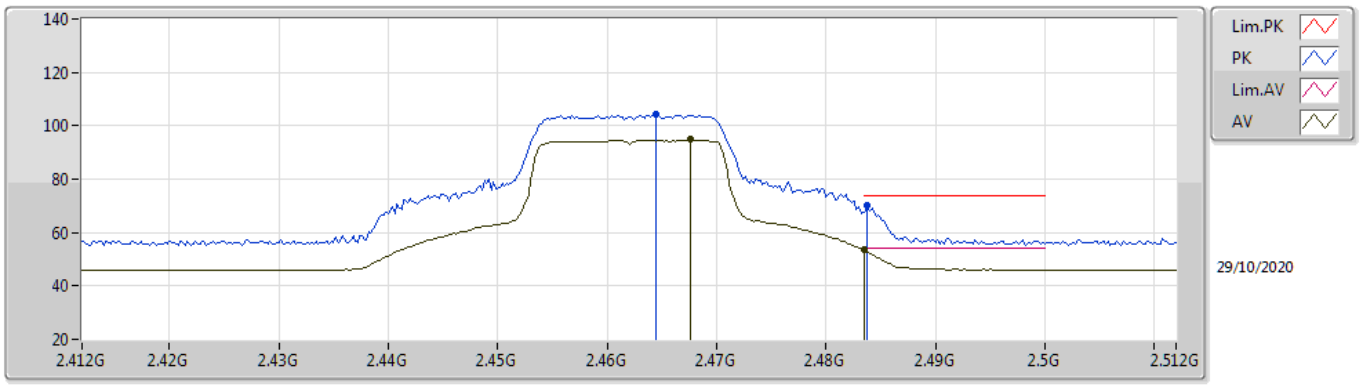
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4674G	93.06	Inf	-Inf	33.44	3	Vertical	260	1.76	-	59.62	27.40	6.04	-
AV	2.4835G	52.30	54.00	-1.70	33.46	3	Vertical	260	1.76	-	18.84	27.40	6.06	-
PK	2.4636G	102.45	Inf	-Inf	33.44	3	Vertical	260	1.76	-	69.01	27.40	6.04	-
PK	2.4836G	69.39	74.00	-4.61	33.46	3	Vertical	260	1.76	-	35.93	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

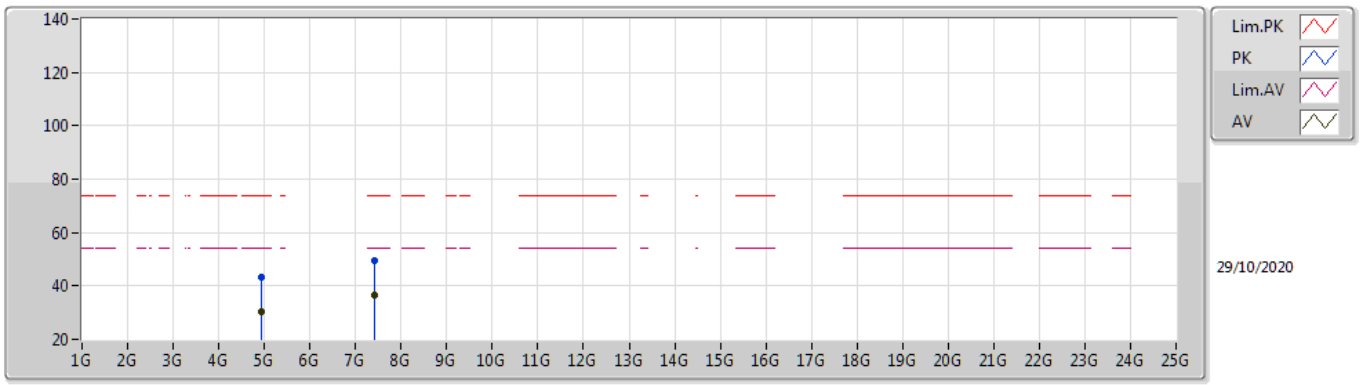
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4676G	94.75	Inf	-Inf	33.44	3	Horizontal	300	1.48	-	61.31	27.40	6.04	-
AV	2.4835G	53.42	54.00	-0.58	33.46	3	Horizontal	300	1.48	-	19.96	27.40	6.06	-
PK	2.4644G	104.24	Inf	-Inf	33.44	3	Horizontal	300	1.48	-	70.80	27.40	6.04	-
PK	2.4838G	70.10	74.00	-3.90	33.46	3	Horizontal	300	1.48	-	36.64	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX(Port2)

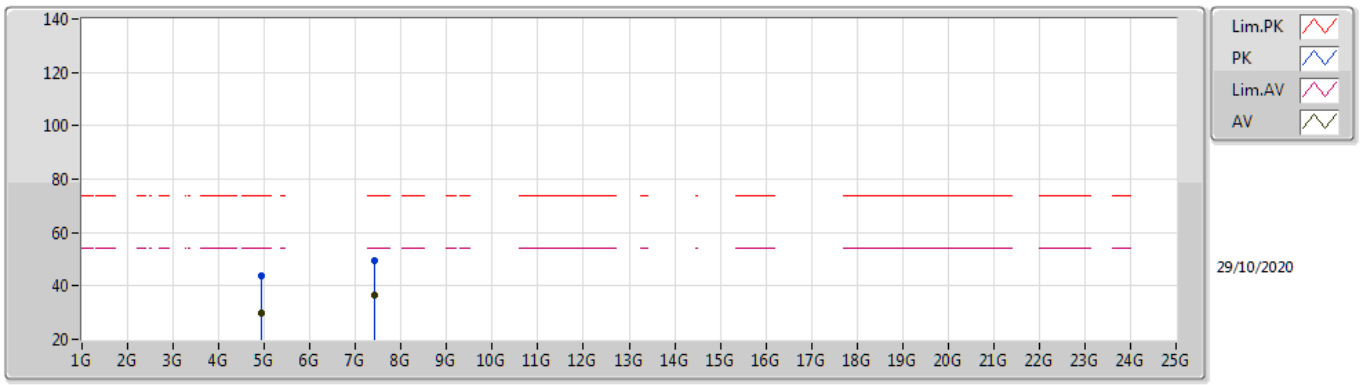
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9278G	30.12	54.00	-23.88	5.20	3	Vertical	72	2.42	-	24.92	31.11	8.33	34.24
AV	7.4025G	36.44	54.00	-17.56	11.57	3	Vertical	108	2.20	-	24.87	36.11	10.05	34.59
PK	4.9415G	43.26	74.00	-30.74	5.27	3	Vertical	72	2.42	-	37.99	31.17	8.34	34.24
PK	7.407G	49.36	74.00	-24.64	11.58	3	Vertical	108	2.20	-	37.78	36.11	10.06	34.59

802.11g_Nss1,(6Mbps)_1TX(Port2)

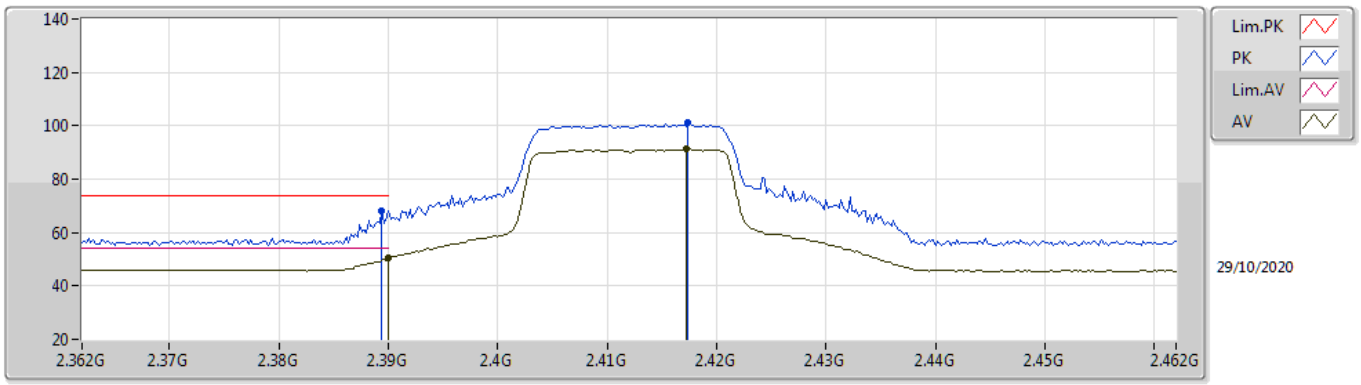
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9293G	30.08	54.00	-23.92	5.21	3	Horizontal	116	1.89	-	24.87	31.12	8.33	34.24
AV	7.4077G	36.68	54.00	-17.32	11.59	3	Horizontal	231	1.06	-	25.09	36.12	10.06	34.59
PK	4.9218G	43.96	74.00	-30.04	5.17	3	Horizontal	116	1.89	-	38.79	31.09	8.33	34.25
PK	7.4074G	49.34	74.00	-24.66	11.58	3	Horizontal	231	1.06	-	37.76	36.11	10.06	34.59

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

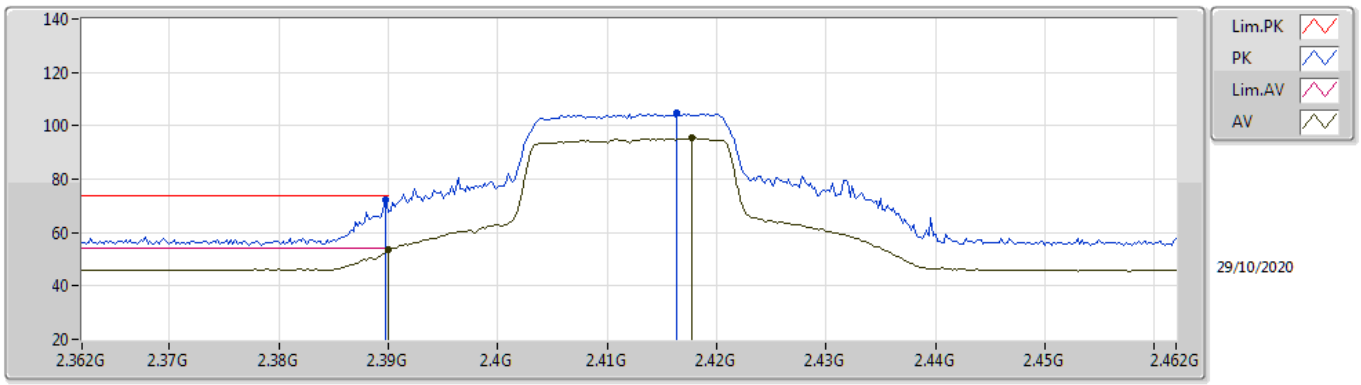
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.47	54.00	-3.53	33.57	3	Vertical	244	1.43	-	16.90	27.62	5.95	-
AV	2.4172G	91.25	Inf	-Inf	33.51	3	Vertical	244	1.43	-	57.74	27.53	5.98	-
PK	2.3894G	68.01	74.00	-5.99	33.57	3	Vertical	244	1.43	-	34.44	27.62	5.95	-
PK	2.4174G	100.96	Inf	-Inf	33.51	3	Vertical	244	1.43	-	67.45	27.53	5.98	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

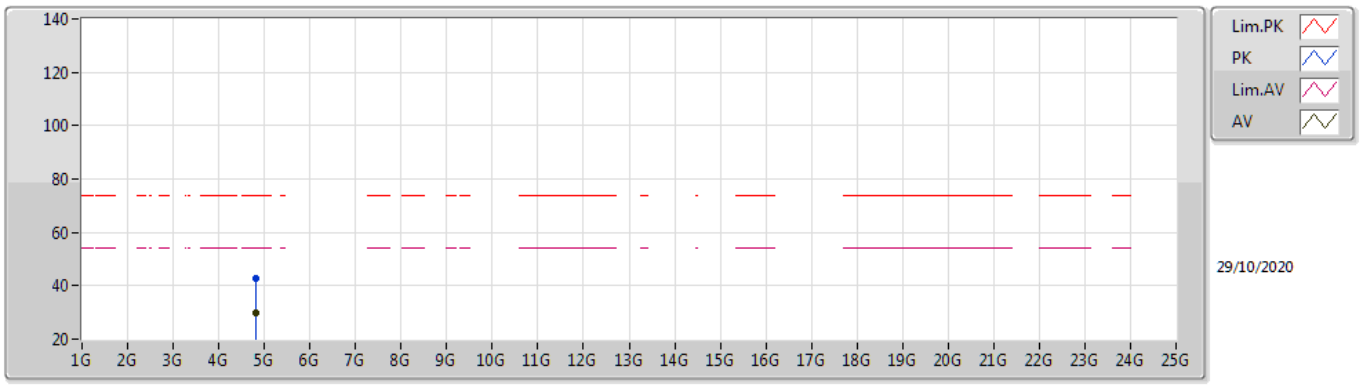
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.41	54.00	-0.59	33.57	3	Horizontal	299	1.84	-	19.84	27.62	5.95	-
AV	2.4178G	95.34	Inf	-Inf	33.51	3	Horizontal	299	1.84	-	61.83	27.53	5.98	-
PK	2.3898G	72.24	74.00	-1.76	33.57	3	Horizontal	299	1.84	-	38.67	27.62	5.95	-
PK	2.4164G	104.95	Inf	-Inf	33.51	3	Horizontal	299	1.84	-	71.44	27.53	5.98	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

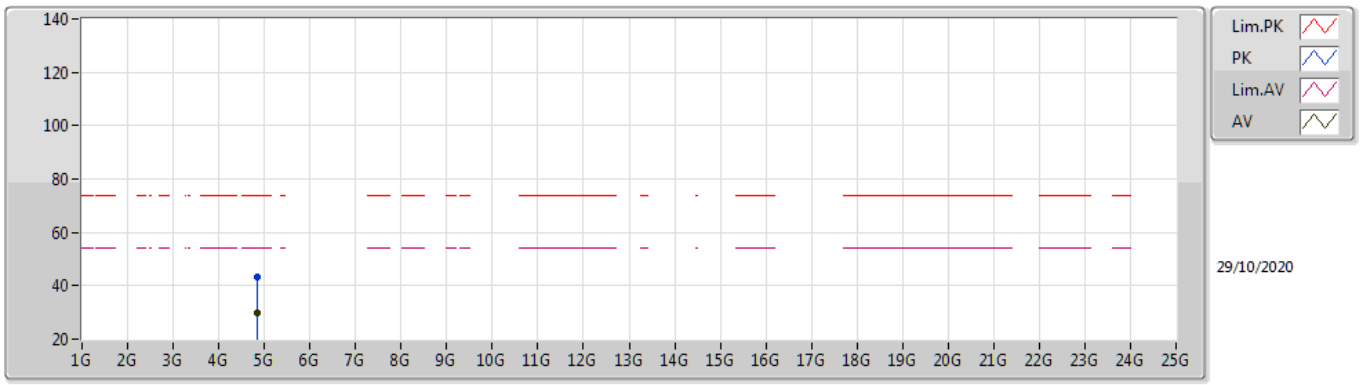
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82664G	29.62	54.00	-24.38	5.00	3	Vertical	51	1.01	-	24.62	31.01	8.27	34.28
PK	4.81752G	42.61	74.00	-31.39	4.95	3	Vertical	51	1.01	-	37.66	30.97	8.26	34.28

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

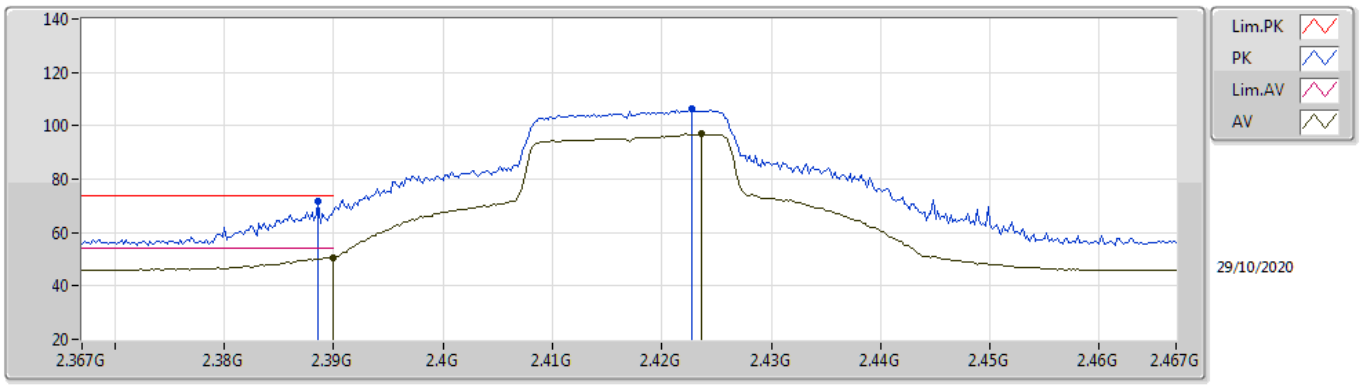
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.848G	29.78	54.00	-24.22	5.10	3	Horizontal	353	1.84	-	24.68	31.09	8.28	34.27
PK	4.8367G	43.13	74.00	-30.87	5.04	3	Horizontal	353	1.84	-	38.09	31.05	8.27	34.28

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

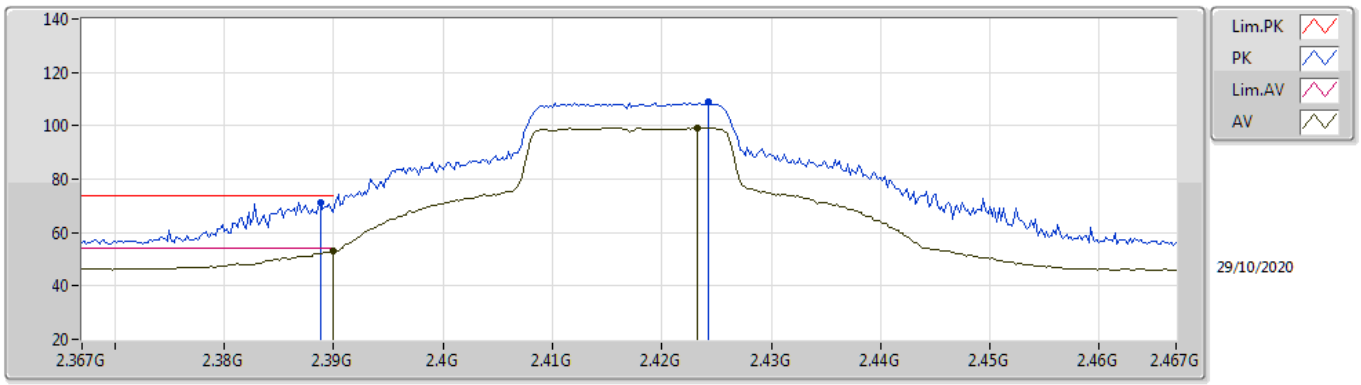
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.72	54.00	-3.28	33.57	3	Vertical	257	1.63	-	17.15	27.62	5.95	-
AV	2.4236G	96.97	Inf	-Inf	33.50	3	Vertical	257	1.63	-	63.47	27.51	5.99	-
PK	2.3886G	71.94	74.00	-2.06	33.57	3	Vertical	257	1.63	-	38.37	27.62	5.95	-
PK	2.4228G	106.18	Inf	-Inf	33.50	3	Vertical	257	1.63	-	72.68	27.51	5.99	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

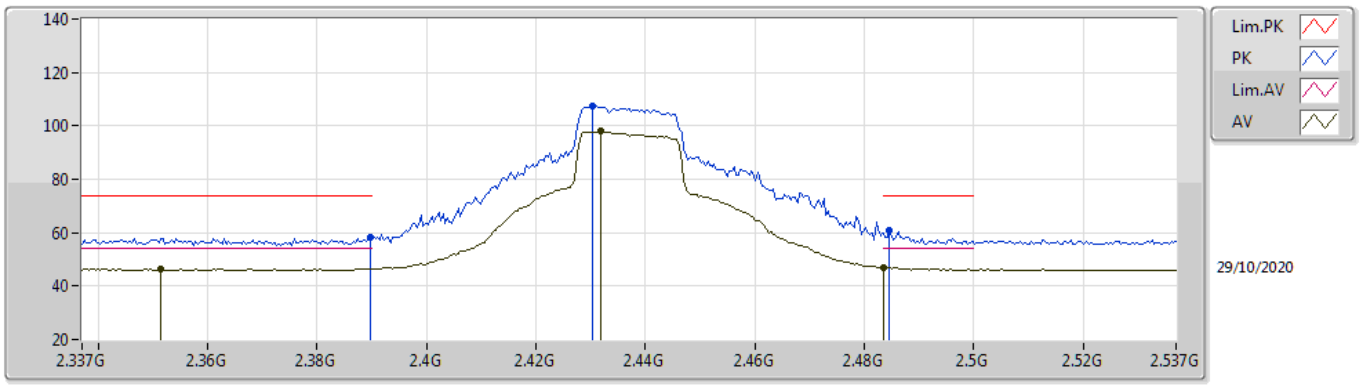
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.11	54.00	-0.89	33.57	3	Horizontal	303	1.82	-	19.54	27.62	5.95	-
AV	2.4232G	99.23	Inf	-Inf	33.50	3	Horizontal	303	1.82	-	65.73	27.51	5.99	-
PK	2.3888G	71.25	74.00	-2.75	33.57	3	Horizontal	303	1.82	-	37.68	27.62	5.95	-
PK	2.4242G	108.76	Inf	-Inf	33.49	3	Horizontal	303	1.82	-	75.27	27.50	5.99	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

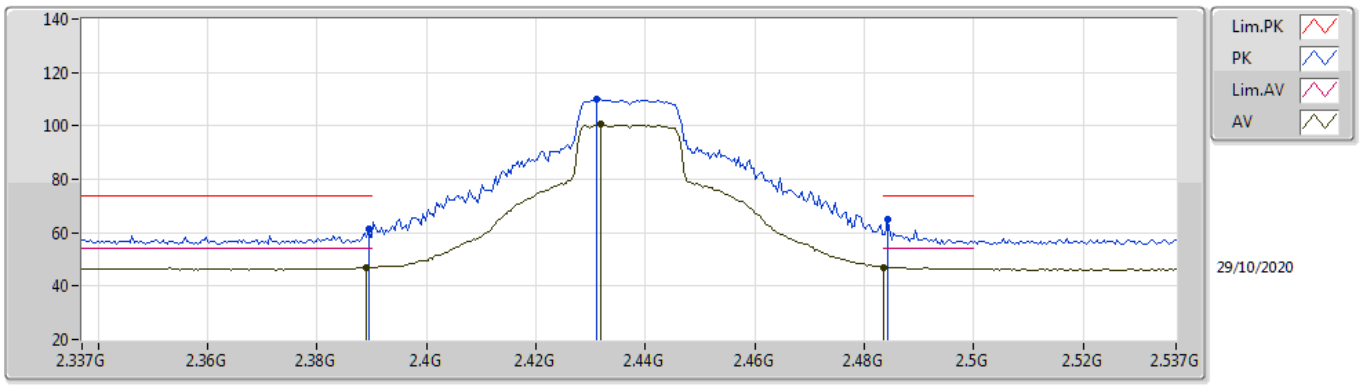
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3514G	46.46	54.00	-7.54	33.62	3	Vertical	258	1.63	-	12.84	27.70	5.92	-
AV	2.4318G	97.90	Inf	-Inf	33.47	3	Vertical	258	1.63	-	64.43	27.47	6.00	-
AV	2.4835G	46.89	54.00	-7.11	33.46	3	Vertical	258	1.63	-	13.43	27.40	6.06	-
PK	2.3898G	58.14	74.00	-15.86	33.57	3	Vertical	258	1.63	-	24.57	27.62	5.95	-
PK	2.4302G	107.62	Inf	-Inf	33.48	3	Vertical	258	1.63	-	74.14	27.48	6.00	-
PK	2.4846G	60.88	74.00	-13.12	33.46	3	Vertical	258	1.63	-	27.42	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

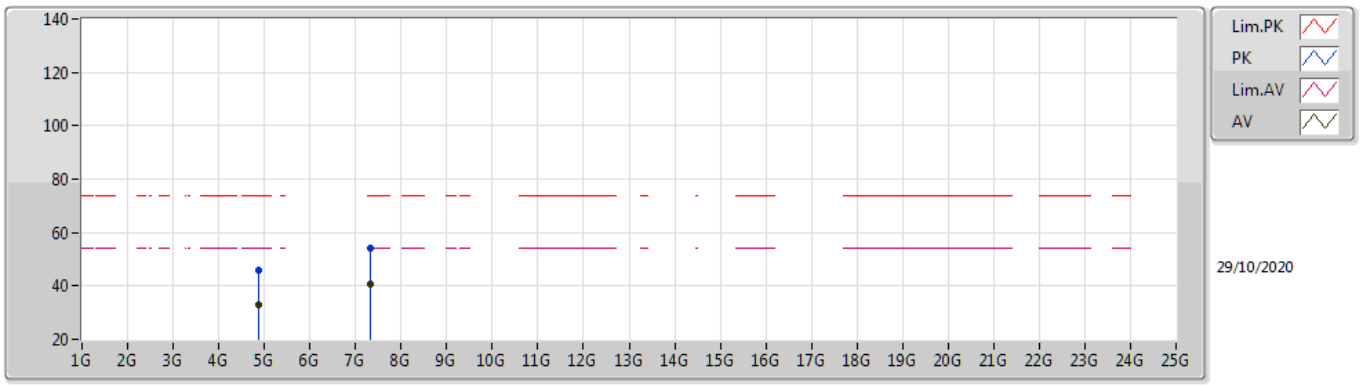
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	47.06	54.00	-6.94	33.57	3	Horizontal	301	2.06	-	13.49	27.62	5.95	-
AV	2.4318G	100.47	Inf	-Inf	33.47	3	Horizontal	301	2.06	-	67.00	27.47	6.00	-
AV	2.4835G	47.11	54.00	-6.89	33.46	3	Horizontal	301	2.06	-	13.65	27.40	6.06	-
PK	2.3894G	61.23	74.00	-12.77	33.57	3	Horizontal	301	2.06	-	27.66	27.62	5.95	-
PK	2.431G	109.90	Inf	-Inf	33.48	3	Horizontal	301	2.06	-	76.42	27.48	6.00	-
PK	2.4842G	65.10	74.00	-8.90	33.46	3	Horizontal	301	2.06	-	31.64	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

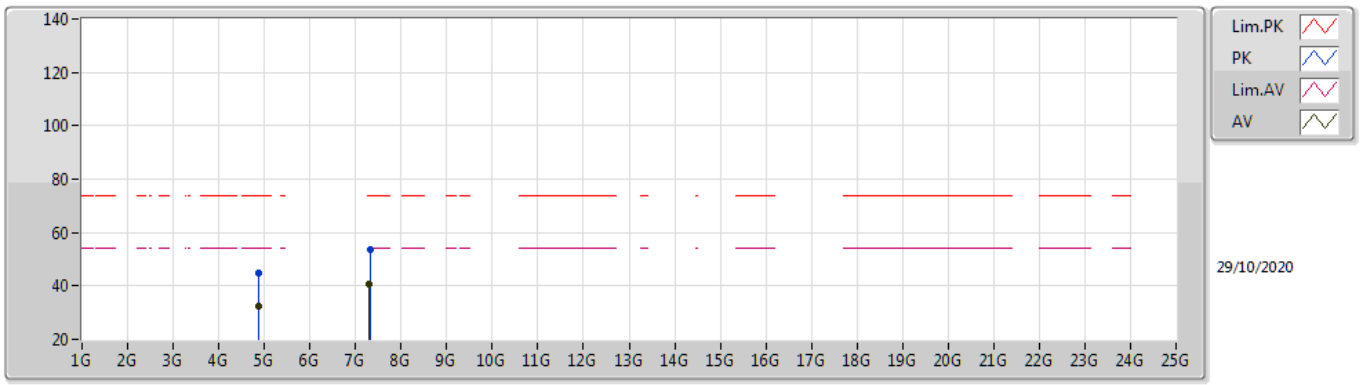
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	33.08	54.00	-20.92	5.09	3	Vertical	54	1.53	-	27.99	31.05	8.30	34.26
AV	7.3107G	40.87	54.00	-13.13	11.82	3	Vertical	127	1.19	-	29.05	36.36	10.03	34.57
PK	4.8717G	45.79	74.00	-28.21	5.10	3	Vertical	54	1.53	-	40.69	31.06	8.30	34.26
PK	7.3148G	54.13	74.00	-19.87	11.80	3	Vertical	127	1.19	-	42.33	36.34	10.03	34.57

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

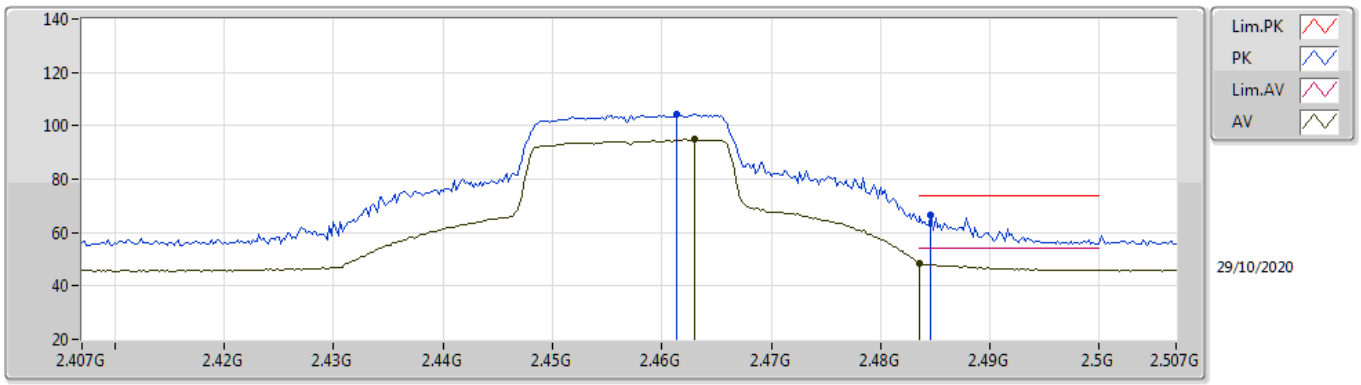
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8766G	32.44	54.00	-21.56	5.09	3	Horizontal	107	2.37	-	27.35	31.05	8.30	34.26
AV	7.3092G	40.64	54.00	-13.36	11.82	3	Horizontal	268	1.26	-	28.82	36.36	10.03	34.57
PK	4.869G	44.95	74.00	-29.05	5.09	3	Horizontal	107	2.37	-	39.86	31.06	8.29	34.26
PK	7.3187G	53.61	74.00	-20.39	11.79	3	Horizontal	268	1.26	-	41.82	36.33	10.03	34.57

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

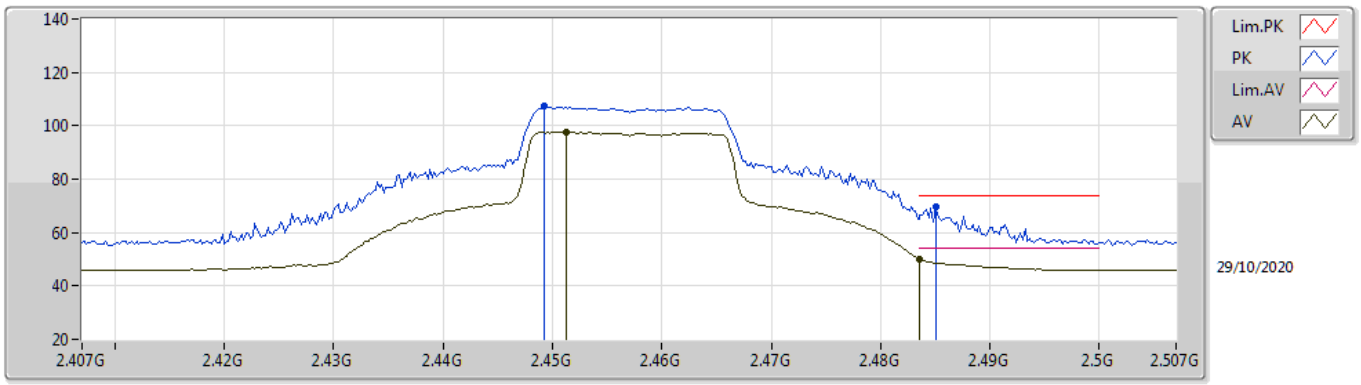
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.463G	94.90	Inf	-Inf	33.44	3	Vertical	265	1.72	-	61.46	27.40	6.04	-
AV	2.4835G	48.70	54.00	-5.30	33.46	3	Vertical	265	1.72	-	15.24	27.40	6.06	-
PK	2.4614G	104.31	Inf	-Inf	33.43	3	Vertical	265	1.72	-	70.88	27.40	6.03	-
PK	2.4846G	66.77	74.00	-7.23	33.46	3	Vertical	265	1.72	-	33.31	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

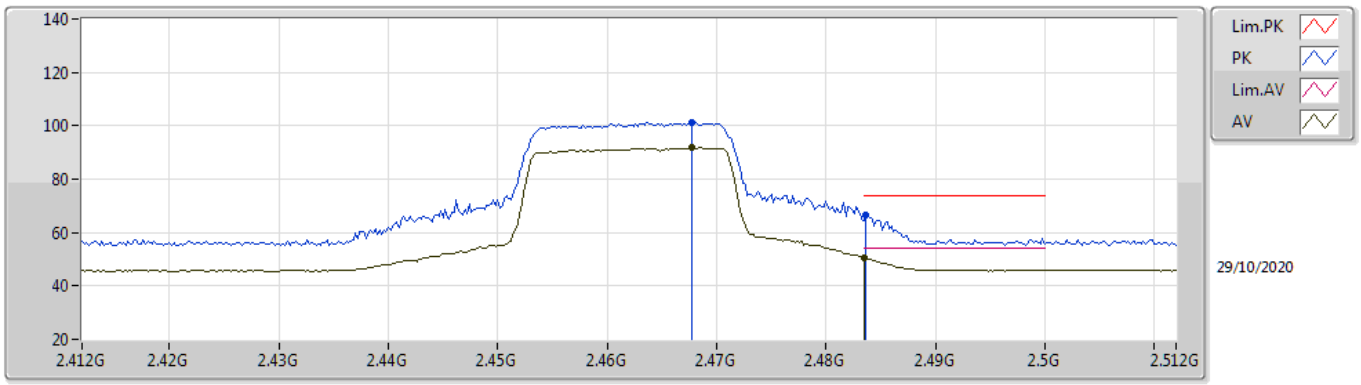
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4512G	97.72	Inf	-Inf	33.42	3	Horizontal	298	1.84	-	64.30	27.40	6.02	-
AV	2.4835G	50.22	54.00	-3.78	33.46	3	Horizontal	298	1.84	-	16.76	27.40	6.06	-
PK	2.4492G	107.40	Inf	-Inf	33.42	3	Horizontal	298	1.84	-	73.98	27.40	6.02	-
PK	2.485G	69.84	74.00	-4.16	33.46	3	Horizontal	298	1.84	-	36.38	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

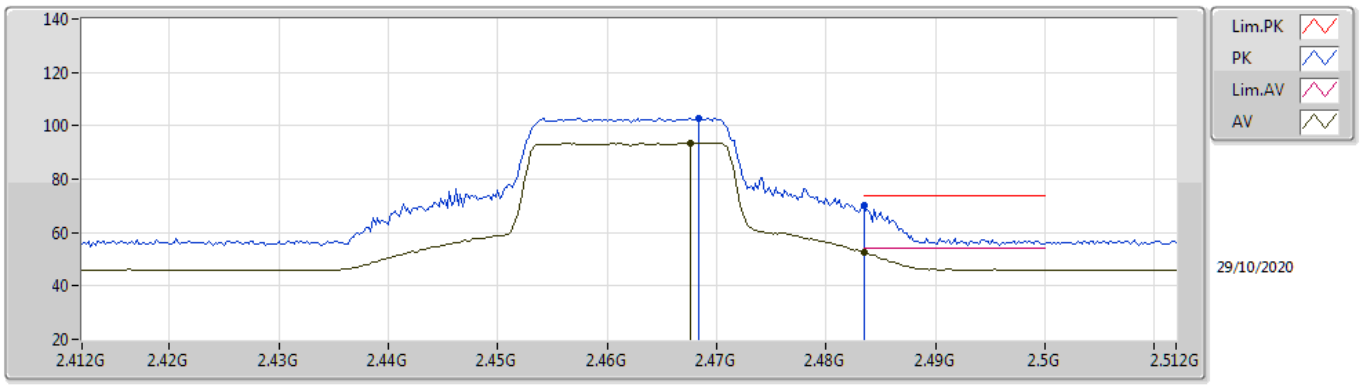
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4678G	91.78	Inf	-Inf	33.44	3	Vertical	261	1.76	-	58.34	27.40	6.04	-
AV	2.4835G	50.57	54.00	-3.43	33.46	3	Vertical	261	1.76	-	17.11	27.40	6.06	-
PK	2.4678G	101.43	Inf	-Inf	33.44	3	Vertical	261	1.76	-	67.99	27.40	6.04	-
PK	2.4836G	66.37	74.00	-7.63	33.46	3	Vertical	261	1.76	-	32.91	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

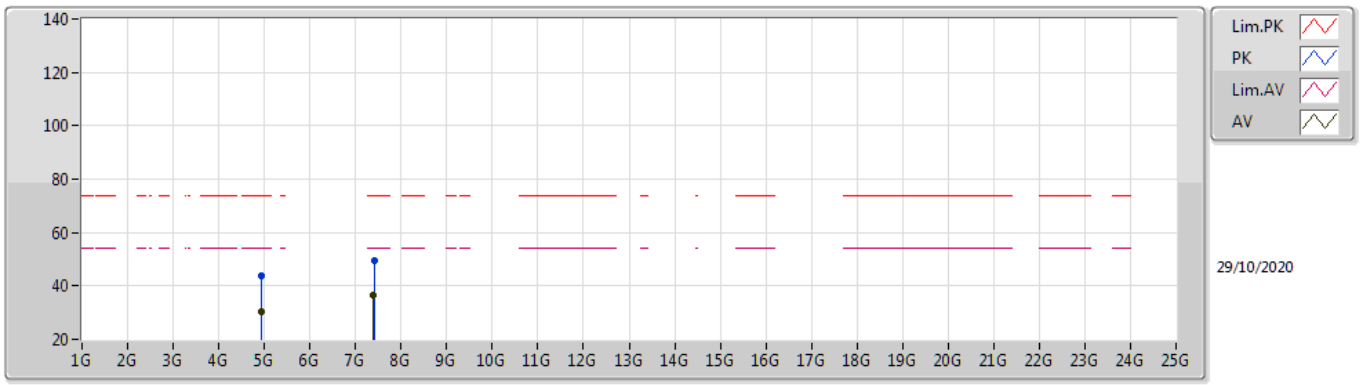
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4676G	93.65	Inf	-Inf	33.44	3	Horizontal	298	1.76	-	60.21	27.40	6.04	-
AV	2.4835G	52.49	54.00	-1.51	33.46	3	Horizontal	298	1.76	-	19.03	27.40	6.06	-
PK	2.4684G	103.00	Inf	-Inf	33.44	3	Horizontal	298	1.76	-	69.56	27.40	6.04	-
PK	2.4835G	70.34	74.00	-3.66	33.46	3	Horizontal	298	1.76	-	36.88	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

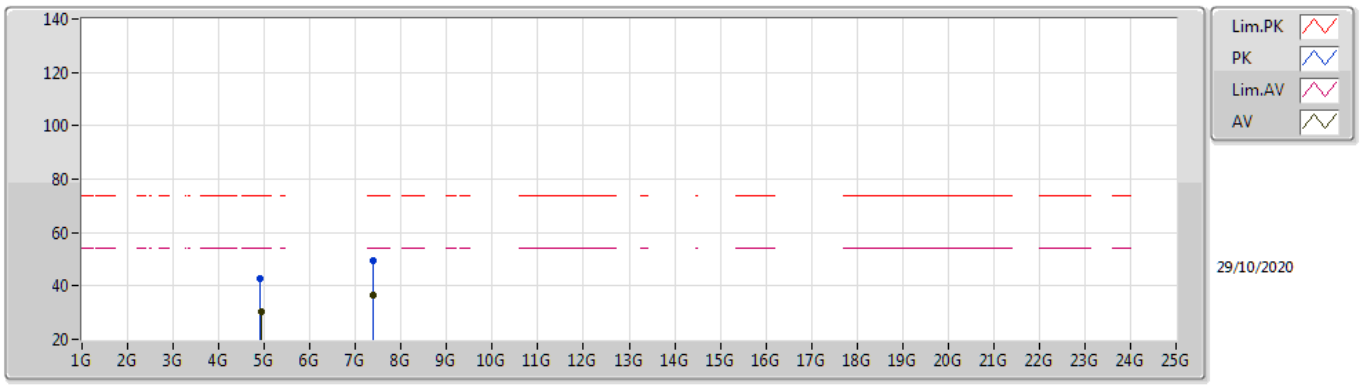
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9303G	30.15	54.00	-23.85	5.21	3	Vertical	222	1.60	-	24.94	31.12	8.33	34.24
AV	7.3906G	36.54	54.00	-17.46	11.59	3	Vertical	73	1.57	-	24.95	36.12	10.05	34.58
PK	4.9268G	43.61	74.00	-30.39	5.20	3	Vertical	222	1.60	-	38.41	31.11	8.33	34.24
PK	7.4107G	49.31	74.00	-24.69	11.59	3	Vertical	73	1.57	-	37.72	36.12	10.06	34.59

802.11n HT20_Nss1,(MCS0)_1TX(Port2)

2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9241G	30.17	54.00	-23.83	5.18	3	Horizontal	56	2.24	-	24.99	31.10	8.33	34.25
AV	7.3913G	36.70	54.00	-17.30	11.59	3	Horizontal	216	2.43	-	25.11	36.12	10.05	34.58
PK	4.912G	42.85	74.00	-31.15	5.12	3	Horizontal	56	2.24	-	37.73	31.05	8.32	34.25
PK	7.3839G	49.39	74.00	-24.61	11.60	3	Horizontal	216	2.43	-	37.79	36.13	10.05	34.58