FCC Radio Test Report

FCC ID	:	**2AAAS-CM08**
Equipment	:	**Vivint Doorbell Camera Pro (Gen 2)**
Brand Name	:	**Vivint**
Model Name	:	**CM08**
Applicant	:	**Vivint, Inc. 4931 N. 300W., Provo, UT 84604 USA**
Manufacturer	:	**Chicony Electronics Co., Ltd No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City 241, Taiwan (R.O.C.)**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Mar. 23, 2022, and testing was started from Apr. 09, 2022 and completed on May 08, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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PHOTOGRAPHS OF EUT V01

History of this test report

Report No.	Version	Description	Issued Date
FR232257AC	01	Initial issue of report	May 27, 2022

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: Ryan Hsiao

Report Producer: Michelle Tsai

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), VHT20	2412-2462	1-11 [11]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	VHT20	20	2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Amphenol	CY5873-12-001-C	PIFA	I-PEX
2	Amphenol	CY5873-12-002-C	PIFA	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	0.72	2.33	0.72
2	2	0.69	2.56	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

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

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / Host system			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.935	0.29	1.429m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.93	0.32	1.337m	1k
VHT20_Nss1,(MCS0)_2TX	0.929	0.32	1.345m	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 662911 D01 v02r01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction	CO04-HY	Wayne Chiu	21.6~22.3°C / 54~57%	28/Apr/2022
RF Conducted	TH06-HY	Yuna Lin	22.4~24.9°C / 48~59%	27/Apr/2022~08/May/2022
Radiated	03CH02-HY	Lego Lin	22.1~25.2°C / 56~60%	09/Apr/2022~06/May/2022
☐ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

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 Channel Mode

Test Software Version	Dos 6.1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	68
2417MHz	75
2437MHz	90
2457MHz	70
2462MHz	70
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	52
2417MHz	63
2437MHz	72
2457MHz	63
2462MHz	59
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	43
2417MHz	56
2437MHz	90
2457MHz	58
2462MHz	31
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	34
2417MHz	44
2437MHz	71
2457MHz	48
2462MHz	32

2.2 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 Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	USB Mode
2	Adapter Mode

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

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

2.3 Support Equipment

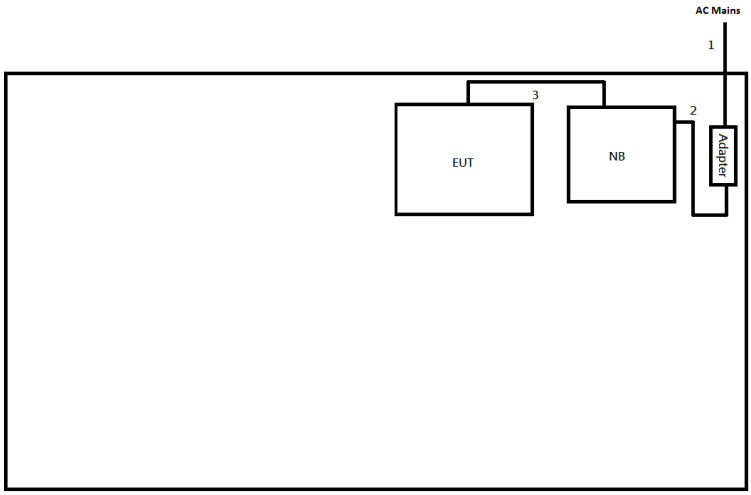
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	5220M	-	-
2	AC Power Cable	Power sync	PW-GPC180-3	-	-
3	Adapter (For NB)	HP	PPP012L-E	-	-
4	Adapter	HOIOTO	ADS-25SF-12 12024EPCU	-	Provided by Customer

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power Cable	Power sync	PW-GPC180-3	-	-
2	Adapter (For NB)	HP	PPP012L-E	-	-
3	Notebook	HP	5220M	-	-
4	Adapter	HOIOTO	ADS-25SF-12 12024EPCU	-	Provided by Customer

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

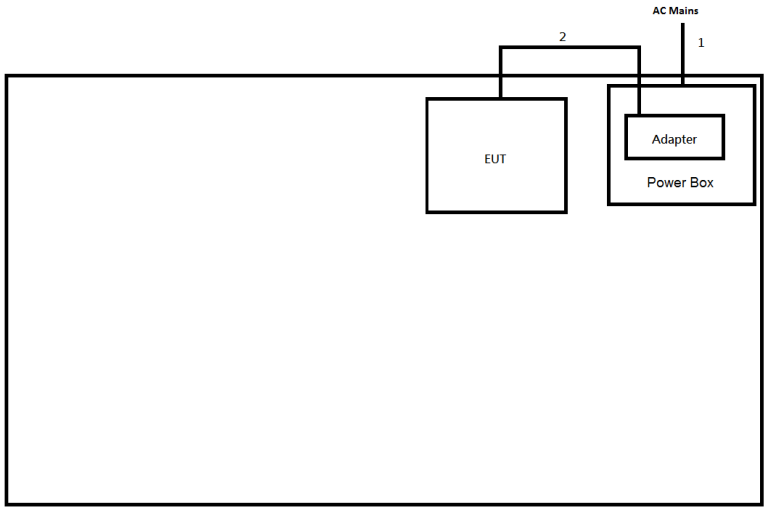
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (USB Mode)



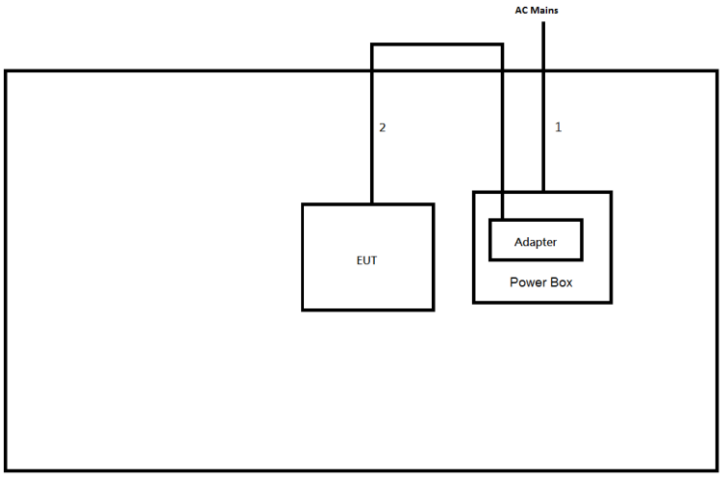
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB cable	No	0.5	-

Test Setup Diagram – AC Line Conducted Emission Test (Adapter Mode)



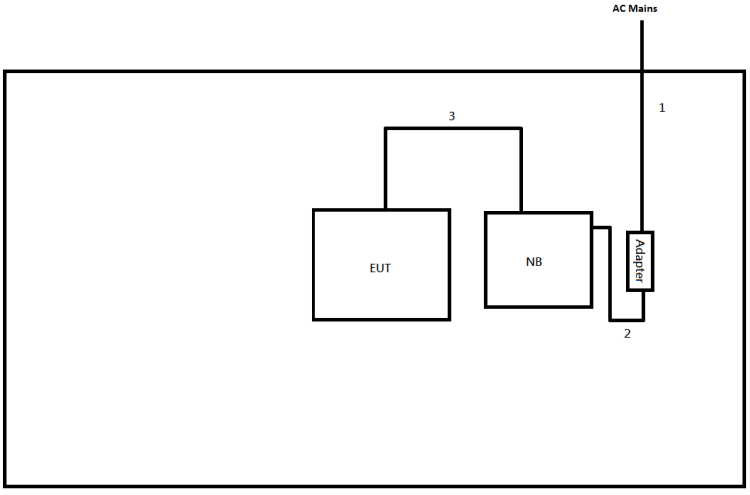
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-

Test Setup Diagram - Radiated Test (Adapter Mode)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-

Test Setup Diagram - Radiated Test (USB Mode)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB cable	No	0.5	-

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

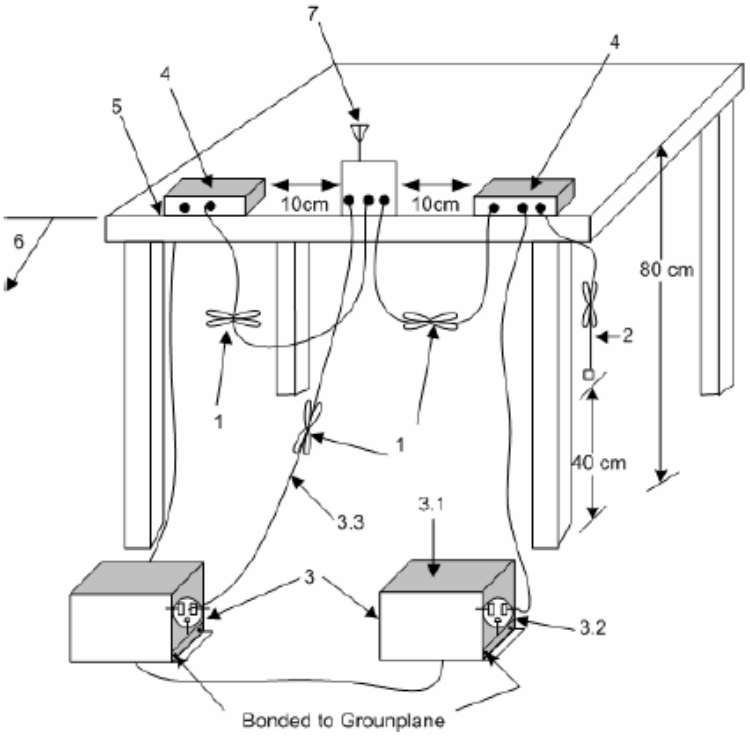
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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 50Ωloads. 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.

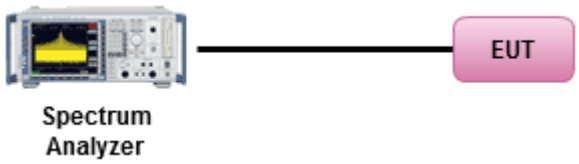
3.2.2 Measuring Instruments

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

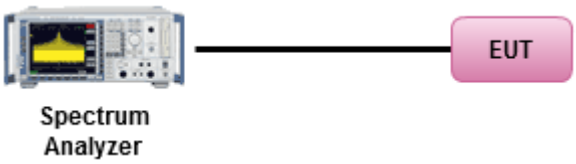
3.4.2 Measuring Instruments

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.	

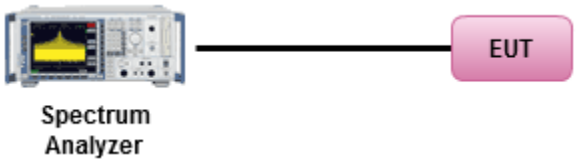
3.5.2 Measuring Instruments

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.

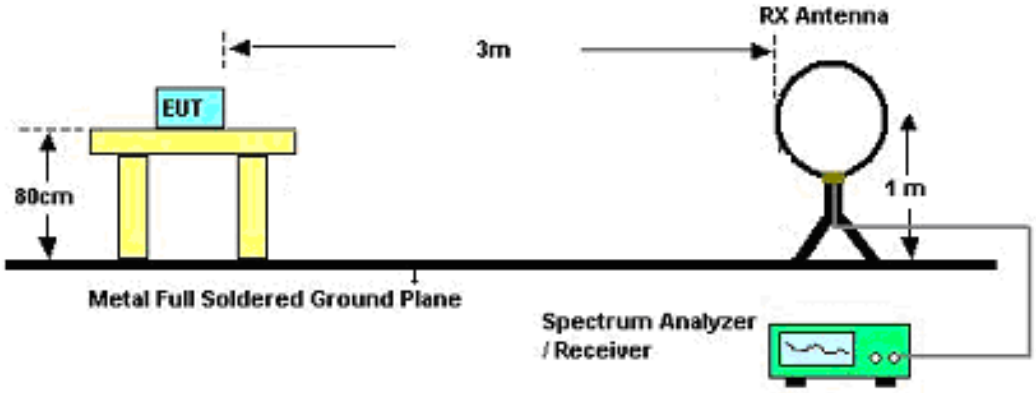
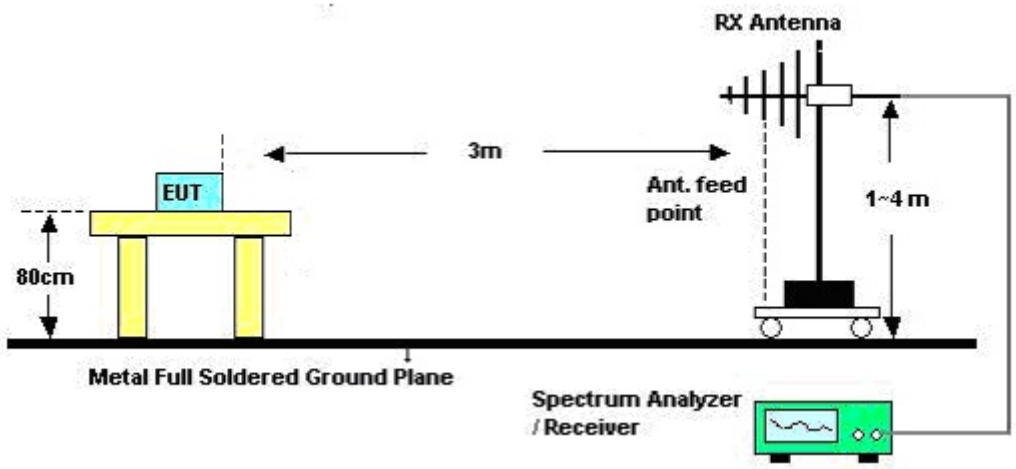
3.6.3 Test Procedures

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.

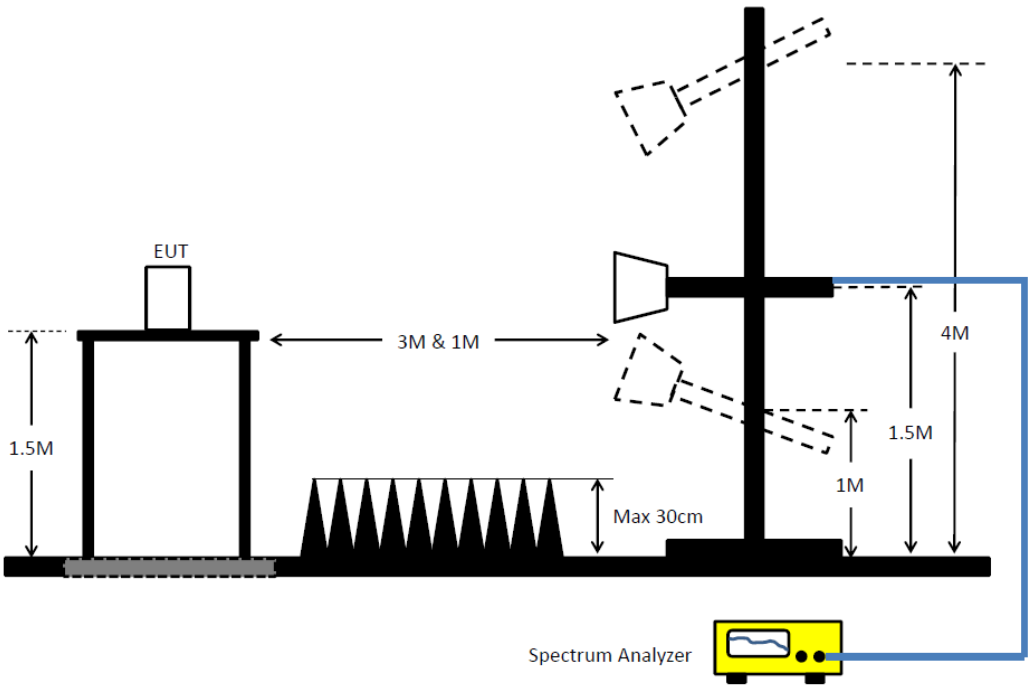
3.6.4 Measurement Results Calculation

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 /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	02/Aug/2021	01/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 01543	1GHz~18GHz	04/Jun/2021	03/Jun/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	02/Jun/2021	01/Jun/2022

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2022	24/Mar/2023
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2022	24/Mar/2023
SENSE-15247_DTS	Sporton	V5.10.7.17	N/A	N/A	N/A	N/A

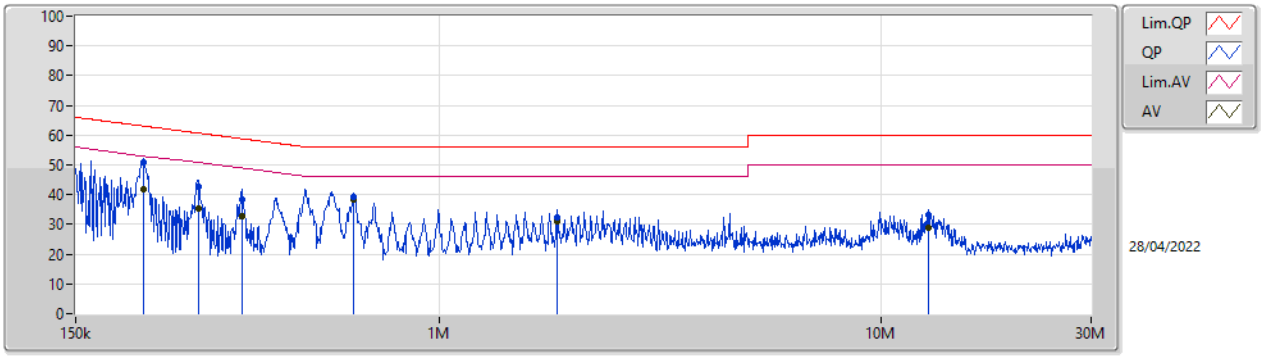
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	498.814k	38.84	46.02	-7.18	Neutral
Mode 2	Pass	AV	189.837k	31.37	54.05	-22.68	Line

Result

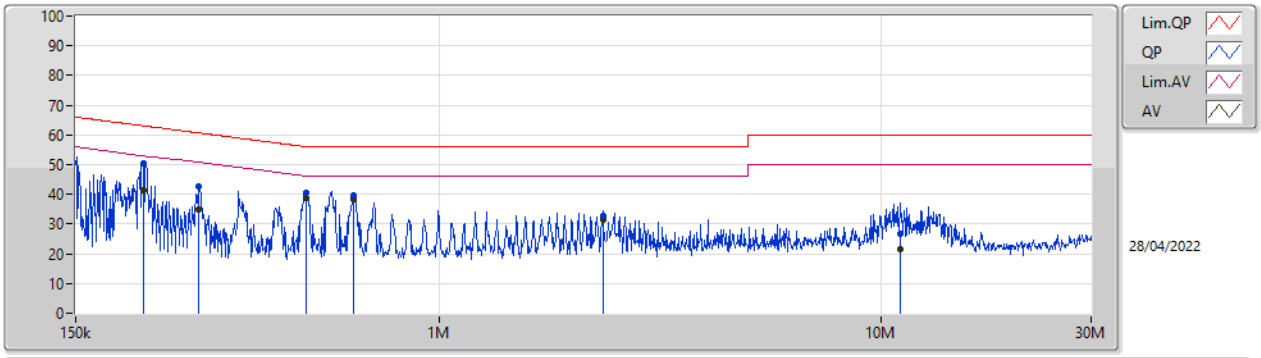
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	213.989k	50.93	63.06	-12.13	Line	-
Mode 1	Pass	AV	213.989k	41.93	53.06	-11.13	Line	-
Mode 1	Pass	QP	285.246k	42.84	60.67	-17.83	Line	-
Mode 1	Pass	AV	285.246k	35.34	50.67	-15.33	Line	-
Mode 1	Pass	QP	356.703k	38.42	58.81	-20.39	Line	-
Mode 1	Pass	AV	356.703k	32.70	48.81	-16.11	Line	-
Mode 1	Pass	QP	638.894k	39.39	56.00	-16.61	Line	-
Mode 1	Pass	AV	638.894k	38.19	46.00	-7.81	Line	-
Mode 1	Pass	QP	1.848M	32.30	56.00	-23.70	Line	-
Mode 1	Pass	AV	1.848M	30.83	46.00	-15.17	Line	-
Mode 1	Pass	QP	12.807M	33.17	60.00	-26.83	Line	-
Mode 1	Pass	AV	12.807M	28.80	50.00	-21.20	Line	-
Mode 1	Pass	QP	213.137k	50.39	63.07	-12.68	Neutral	-
Mode 1	Pass	AV	213.137k	41.27	53.07	-11.80	Neutral	-
Mode 1	Pass	QP	285.246k	42.54	60.67	-18.13	Neutral	-
Mode 1	Pass	AV	285.246k	34.91	50.67	-15.76	Neutral	-
Mode 1	Pass	QP	498.814k	40.39	56.02	-15.63	Neutral	-
Mode 1	Pass	AV	498.814k	38.84	46.02	-7.18	Neutral	-
Mode 1	Pass	QP	641.45k	39.49	56.00	-16.51	Neutral	-
Mode 1	Pass	AV	641.45k	38.22	46.00	-7.78	Neutral	-
Mode 1	Pass	QP	2.348M	32.84	56.00	-23.16	Neutral	-
Mode 1	Pass	AV	2.348M	31.49	46.00	-14.51	Neutral	-
Mode 1	Pass	QP	11.093M	26.84	60.00	-33.16	Neutral	-
Mode 1	Pass	AV	11.093M	21.50	50.00	-28.50	Neutral	-
Mode 2	Pass	QP	189.837k	38.61	64.05	-25.44	Line	-
Mode 2	Pass	AV	189.837k	31.37	54.05	-22.68	Line	-
Mode 2	Pass	QP	284.109k	19.15	60.70	-41.55	Line	-
Mode 2	Pass	AV	284.109k	15.74	50.70	-34.96	Line	-
Mode 2	Pass	QP	377.206k	13.61	58.33	-44.72	Line	-
Mode 2	Pass	AV	377.206k	12.43	48.33	-35.90	Line	-
Mode 2	Pass	QP	776.928k	13.09	56.00	-42.91	Line	-
Mode 2	Pass	AV	776.928k	12.10	46.00	-33.90	Line	-
Mode 2	Pass	QP	2.636M	15.66	56.00	-40.34	Line	-
Mode 2	Pass	AV	2.636M	14.18	46.00	-31.82	Line	-
Mode 2	Pass	QP	11.407M	15.60	60.00	-44.40	Line	-
Mode 2	Pass	AV	11.407M	14.61	50.00	-35.39	Line	-
Mode 2	Pass	QP	189.08k	38.10	64.07	-25.97	Neutral	-
Mode 2	Pass	AV	189.08k	30.77	54.07	-23.30	Neutral	-
Mode 2	Pass	QP	282.977k	18.41	60.72	-42.31	Neutral	-
Mode 2	Pass	AV	282.977k	15.25	50.72	-35.47	Neutral	-
Mode 2	Pass	QP	460.537k	13.02	56.69	-43.67	Neutral	-
Mode 2	Pass	AV	460.537k	12.19	46.69	-34.50	Neutral	-
Mode 2	Pass	QP	995.11k	13.61	56.00	-42.39	Neutral	-
Mode 2	Pass	AV	995.11k	12.11	46.00	-33.89	Neutral	-
Mode 2	Pass	QP	2.247M	16.98	56.00	-39.02	Neutral	-
Mode 2	Pass	AV	2.247M	14.59	46.00	-31.41	Neutral	-
Mode 2	Pass	QP	10.241M	30.04	60.00	-29.96	Neutral	-
Mode 2	Pass	AV	10.241M	25.61	50.00	-24.39	Neutral	-

Conducted Emissions at Powerline_Mode 1



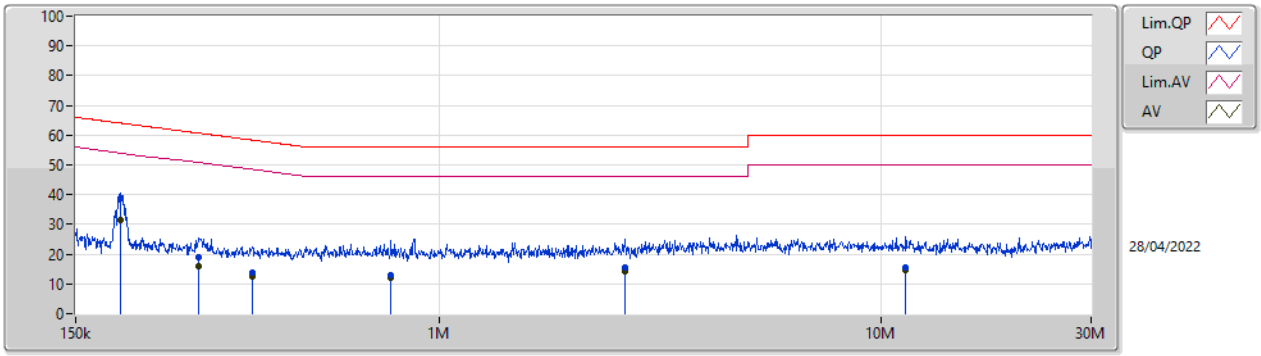
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	213.989k	50.93	63.06	-12.13	19.63	Line	-	31.30	9.69	0.03	9.91
AV	213.989k	41.93	53.06	-11.13	19.63	Line	-	22.30	9.69	0.03	9.91
QP	285.246k	42.84	60.67	-17.83	19.63	Line	-	23.21	9.68	0.04	9.91
AV	285.246k	35.34	50.67	-15.33	19.63	Line	-	15.71	9.68	0.04	9.91
QP	356.703k	38.42	58.81	-20.39	19.63	Line	-	18.79	9.68	0.04	9.91
AV	356.703k	32.70	48.81	-16.11	19.63	Line	-	13.07	9.68	0.04	9.91
QP	638.894k	39.39	56.00	-16.61	19.65	Line	-	19.74	9.68	0.05	9.92
AV	638.894k	38.19	46.00	-7.81	19.65	Line	-	18.54	9.68	0.05	9.92
QP	1.848M	32.30	56.00	-23.70	19.70	Line	-	12.60	9.70	0.08	9.92
AV	1.848M	30.83	46.00	-15.17	19.70	Line	-	11.13	9.70	0.08	9.92
QP	12.807M	33.17	60.00	-26.83	19.95	Line	-	13.22	9.80	0.22	9.93
AV	12.807M	28.80	50.00	-21.20	19.95	Line	-	8.85	9.80	0.22	9.93

Conducted Emissions at Powerline_Mode 1



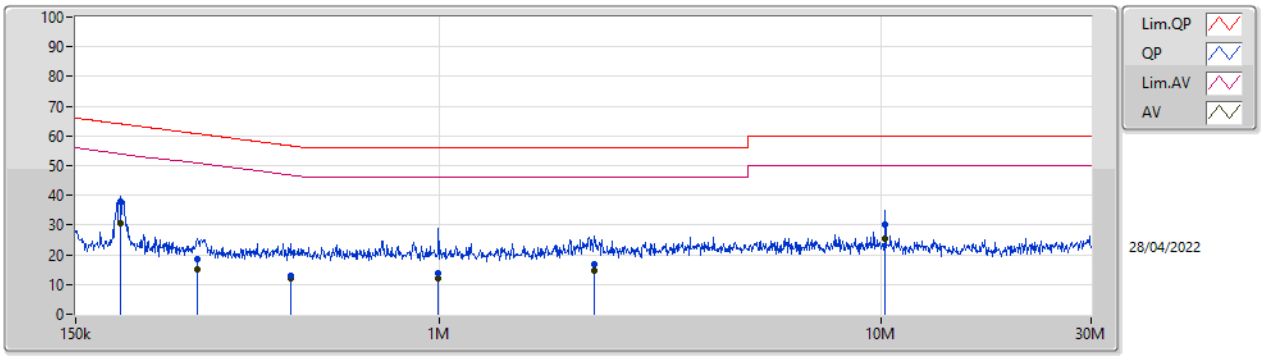
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	213.137k	50.39	63.07	-12.68	19.66	Neutral	-	30.73	9.72	0.03	9.91
AV	213.137k	41.27	53.07	-11.80	19.66	Neutral	-	21.61	9.72	0.03	9.91
QP	285.246k	42.54	60.67	-18.13	19.67	Neutral	-	22.87	9.72	0.04	9.91
AV	285.246k	34.91	50.67	-15.76	19.67	Neutral	-	15.24	9.72	0.04	9.91
QP	498.814k	40.39	56.02	-15.63	19.67	Neutral	-	20.72	9.72	0.04	9.91
AV	498.814k	38.84	46.02	-7.18	19.67	Neutral	-	19.17	9.72	0.04	9.91
QP	641.45k	39.49	56.00	-16.51	19.70	Neutral	-	19.79	9.73	0.05	9.92
AV	641.45k	38.22	46.00	-7.78	19.70	Neutral	-	18.52	9.73	0.05	9.92
QP	2.348M	32.84	56.00	-23.16	19.75	Neutral	-	13.09	9.74	0.09	9.92
AV	2.348M	31.49	46.00	-14.51	19.75	Neutral	-	11.74	9.74	0.09	9.92
QP	11.093M	26.84	60.00	-33.16	20.03	Neutral	-	6.81	9.90	0.20	9.93
AV	11.093M	21.50	50.00	-28.50	20.03	Neutral	-	1.47	9.90	0.20	9.93

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	189.837k	38.61	64.05	-25.44	19.63	Line	-	18.98	9.69	0.03	9.91
AV	189.837k	31.37	54.05	-22.68	19.63	Line	-	11.74	9.69	0.03	9.91
QP	284.109k	19.15	60.70	-41.55	19.63	Line	-	-0.48	9.68	0.04	9.91
AV	284.109k	15.74	50.70	-34.96	19.63	Line	-	-3.89	9.68	0.04	9.91
QP	377.206k	13.61	58.33	-44.72	19.63	Line	-	-6.02	9.68	0.04	9.91
AV	377.206k	12.43	48.33	-35.90	19.63	Line	-	-7.20	9.68	0.04	9.91
QP	776.928k	13.09	56.00	-42.91	19.65	Line	-	-6.56	9.68	0.05	9.92
AV	776.928k	12.10	46.00	-33.90	19.65	Line	-	-7.55	9.68	0.05	9.92
QP	2.636M	15.66	56.00	-40.34	19.72	Line	-	-4.06	9.70	0.10	9.92
AV	2.636M	14.18	46.00	-31.82	19.72	Line	-	-5.54	9.70	0.10	9.92
QP	11.407M	15.60	60.00	-44.40	19.94	Line	-	-4.34	9.81	0.20	9.93
AV	11.407M	14.61	50.00	-35.39	19.94	Line	-	-5.33	9.81	0.20	9.93

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	189.08k	38.10	64.07	-25.97	19.66	Neutral	-	18.44	9.72	0.03	9.91
AV	189.08k	30.77	54.07	-23.30	19.66	Neutral	-	11.11	9.72	0.03	9.91
QP	282.977k	18.41	60.72	-42.31	19.67	Neutral	-	-1.26	9.72	0.04	9.91
AV	282.977k	15.25	50.72	-35.47	19.67	Neutral	-	-4.42	9.72	0.04	9.91
QP	460.537k	13.02	56.69	-43.67	19.67	Neutral	-	-6.65	9.72	0.04	9.91
AV	460.537k	12.19	46.69	-34.50	19.67	Neutral	-	-7.48	9.72	0.04	9.91
QP	995.11k	13.61	56.00	-42.39	19.70	Neutral	-	-6.09	9.73	0.05	9.92
AV	995.11k	12.11	46.00	-33.89	19.70	Neutral	-	-7.59	9.73	0.05	9.92
QP	2.247M	16.98	56.00	-39.02	19.75	Neutral	-	-2.77	9.74	0.09	9.92
AV	2.247M	14.59	46.00	-31.41	19.75	Neutral	-	-5.16	9.74	0.09	9.92
QP	10.241M	30.04	60.00	-29.96	20.00	Neutral	-	10.04	9.89	0.18	9.93
AV	10.241M	25.61	50.00	-24.39	20.00	Neutral	-	5.61	9.89	0.18	9.93

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.025M	12.894M	12M9G1D	8.025M	10.495M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.867M	16M9D1D	16.325M	16.792M
802.11n HT20_Nss1,(MCS0)_2TX	17.6M	19.39M	19M4D1D	17.525M	17.941M
VHT20_Nss1,(MCS0)_2TX	17.575M	18.066M	18M1D1D	17.525M	17.941M

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

Result

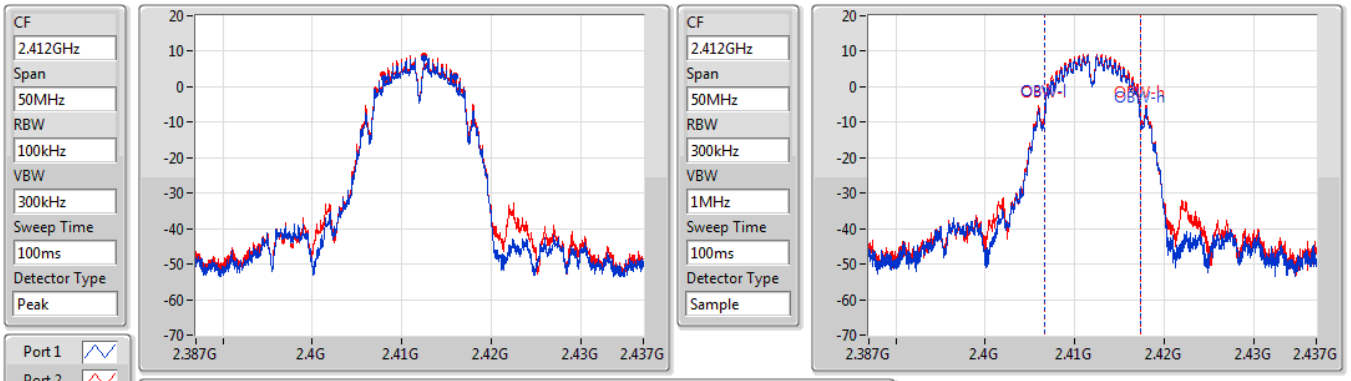
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	10.67M	8.075M	10.77M
2437MHz	Pass	500k	9.025M	12.069M	8.975M	12.894M
2462MHz	Pass	500k	8.05M	10.495M	8.05M	10.645M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.867M	16.325M	16.867M
2437MHz	Pass	500k	16.325M	16.867M	16.35M	16.817M
2462MHz	Pass	500k	16.325M	16.842M	16.325M	16.792M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.966M	17.575M	17.966M
2437MHz	Pass	500k	17.525M	18.466M	17.575M	19.39M
2462MHz	Pass	500k	17.55M	17.941M	17.6M	17.966M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.966M	17.575M	17.991M
2437MHz	Pass	500k	17.525M	17.966M	17.525M	18.066M
2462MHz	Pass	500k	17.575M	17.991M	17.575M	17.941M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

27/04/2022

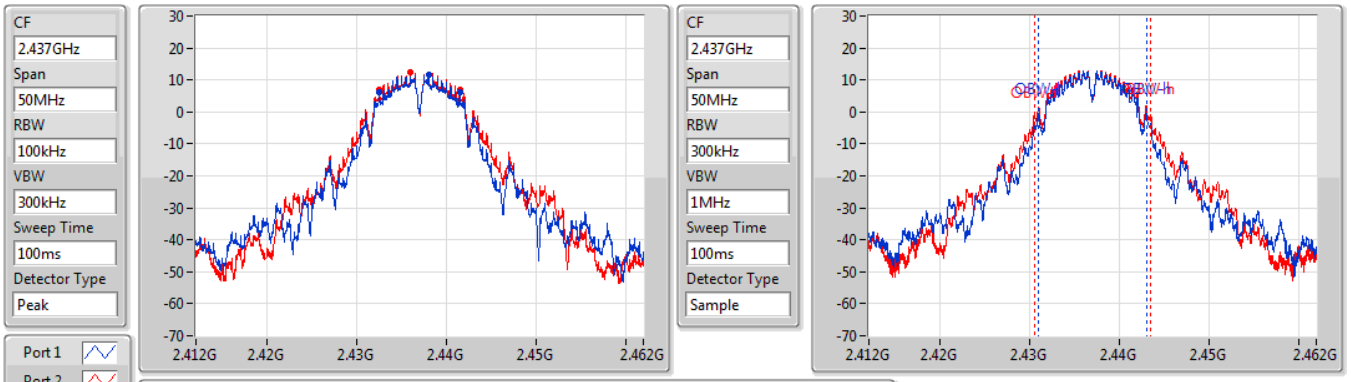


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.407975G	2.416G	10.67M	2.406678G	2.417347G	500k	1
8.075M	2.40795G	2.416025G	10.77M	2.406628G	2.417397G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

27/04/2022

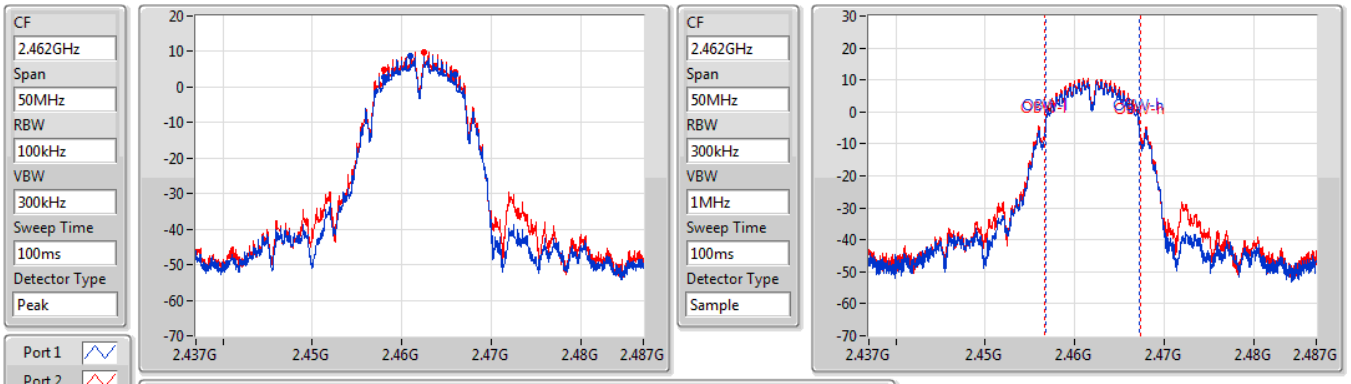


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.432475G	2.4415G	12.069M	2.430953G	2.443022G	500k	1
8.975M	2.4325G	2.441475G	12.894M	2.430578G	2.443472G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

27/04/2022

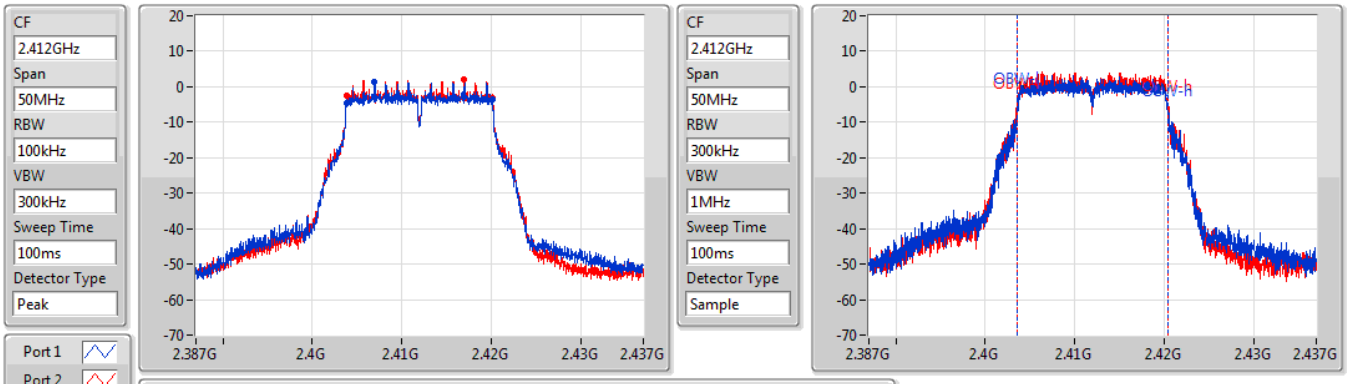


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.457975G	2.466025G	10.495M	2.456728G	2.467222G	500k	1
8.05M	2.457975G	2.466025G	10.645M	2.456653G	2.467297G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

27/04/2022

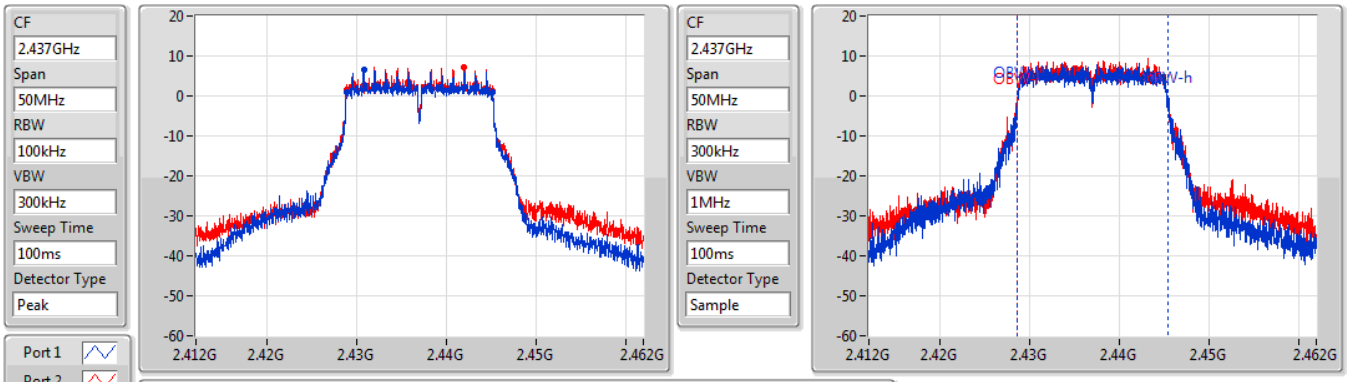


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.867M	2.403579G	2.420446G	500k	1
16.325M	2.403825G	2.42015G	16.867M	2.403554G	2.420421G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

27/04/2022

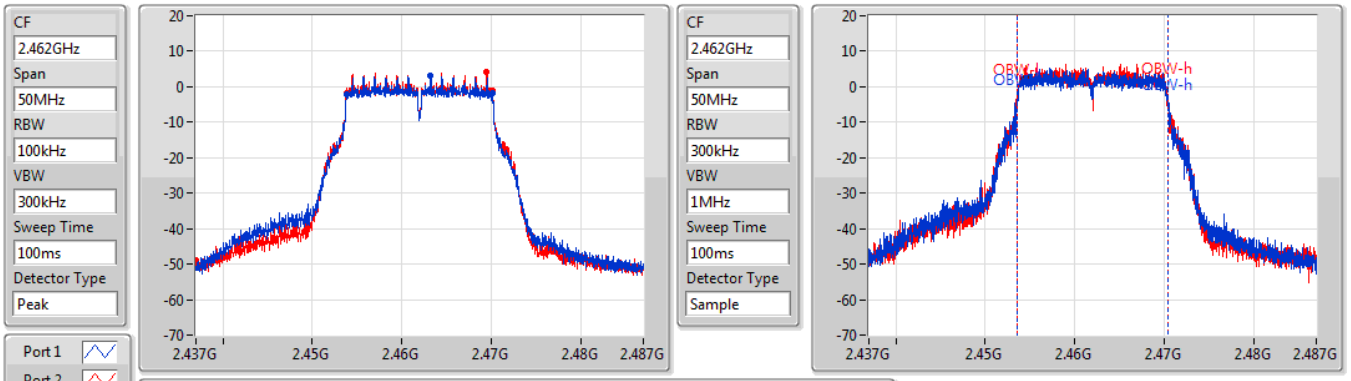


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.867M	2.428579G	2.445446G	500k	1
16.35M	2.428825G	2.445175G	16.817M	2.428579G	2.445396G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

27/04/2022



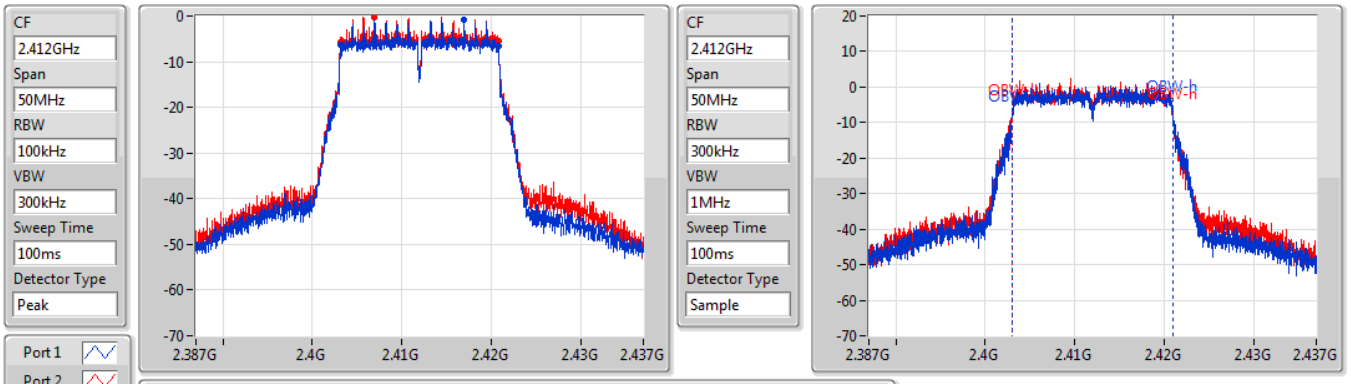
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.842M	2.453554G	2.470396G	500k	1
16.325M	2.453825G	2.47015G	16.792M	2.453604G	2.470396G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2412MHz

07/05/2022



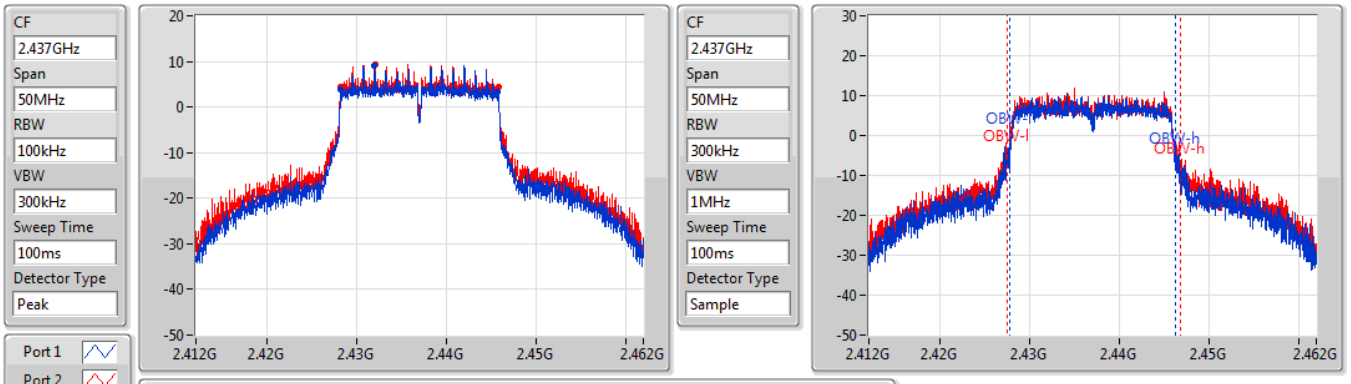
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.403225G	2.420775G	17.966M	2.403029G	2.420996G	500k	1
17.575M	2.4032G	2.420775G	17.966M	2.402955G	2.420921G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2437MHz

07/05/2022

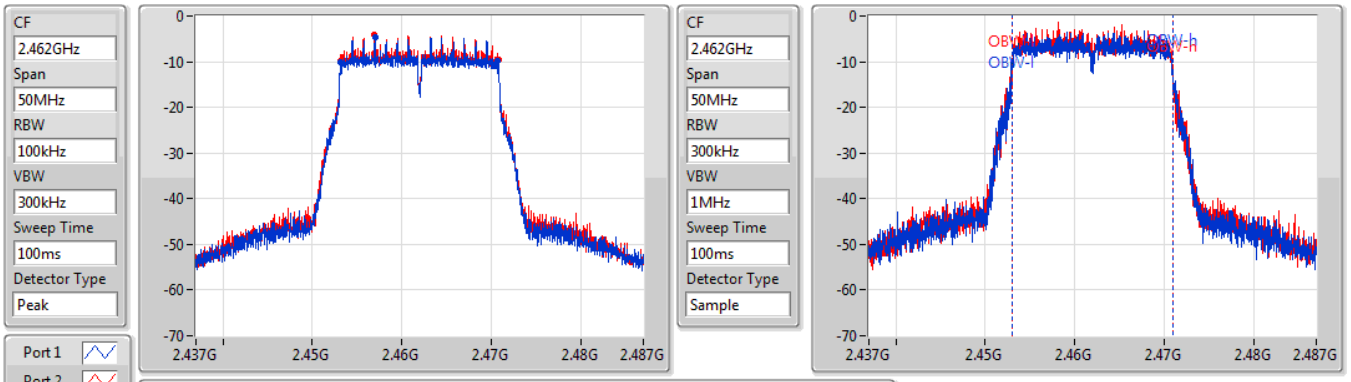


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.428225G	2.44575G	18.466M	2.427755G	2.44622G	500k	1
17.575M	2.4282G	2.445775G	19.39M	2.427405G	2.446795G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

07/05/2022

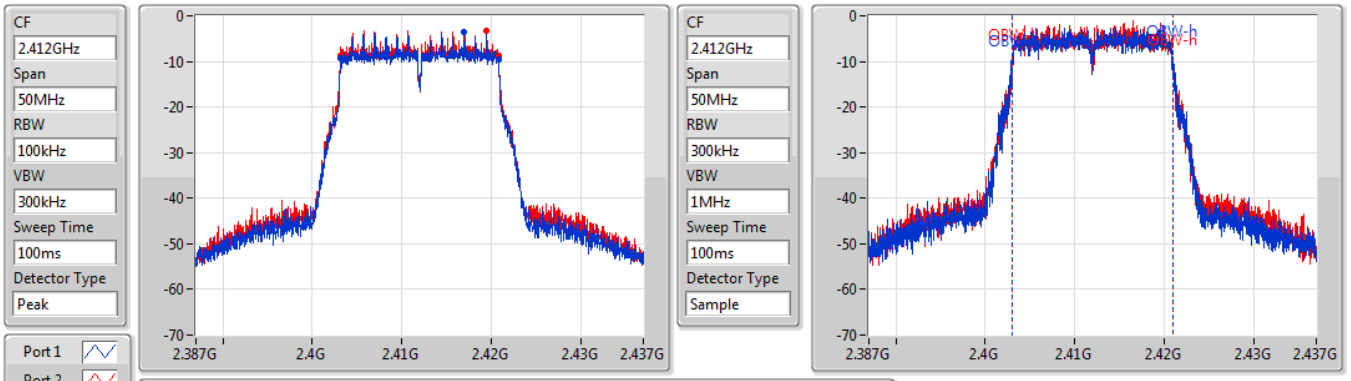


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4532G	2.47075G	17.941M	2.45298G	2.470921G	500k	1
17.6M	2.453175G	2.470775G	17.966M	2.452955G	2.470921G	500k	2

VHT20_Nss1,(MCS0)_2TX EBW

2412MHz

27/04/2022



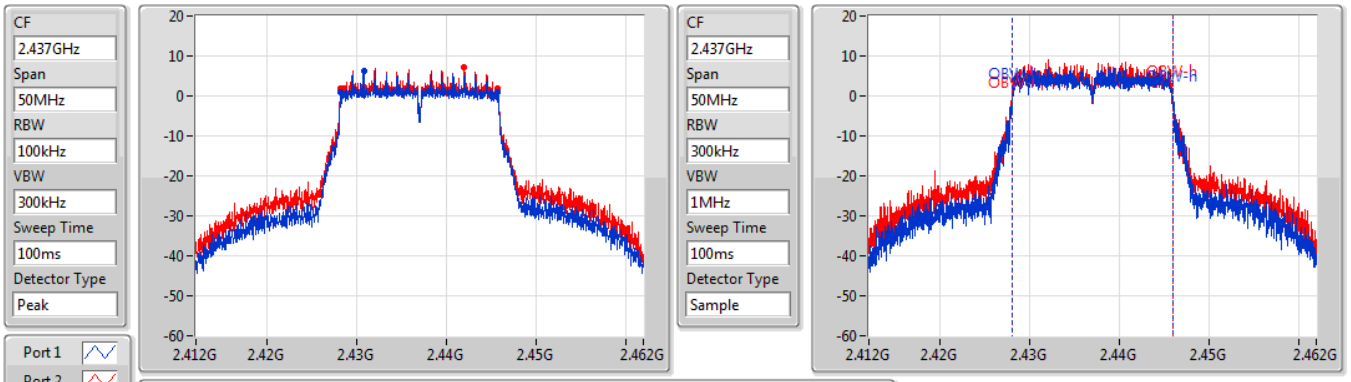
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.403225G	2.420775G	17.966M	2.403004G	2.420971G	500k	1
17.575M	2.4032G	2.420775G	17.991M	2.403004G	2.420996G	500k	2

VHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

27/04/2022



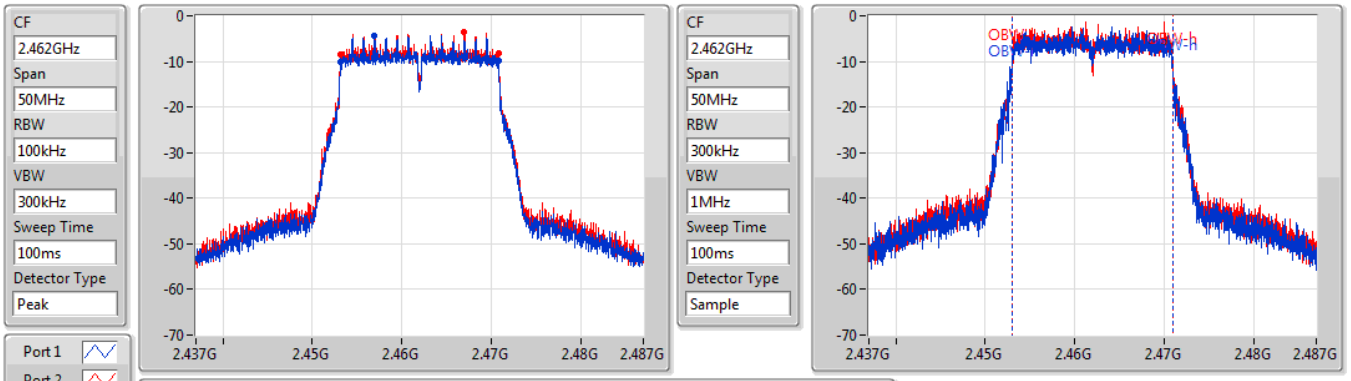
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.428225G	2.44575G	17.966M	2.428004G	2.445971G	500k	1
17.525M	2.428225G	2.44575G	18.066M	2.427955G	2.44602G	500k	2

VHT20_Nss1,(MCS0)_2TX

EBW

2462MHz

27/04/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4532G	2.470775G	17.991M	2.452955G	2.470946G	500k	1
17.575M	2.4532G	2.470775G	17.941M	2.453004G	2.470946G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.84	0.24210
802.11g_Nss1,(6Mbps)_2TX	21.08	0.12823
802.11n HT20_Nss1,(MCS0)_2TX	22.63	0.18323
VHT20_Nss1,(MCS0)_2TX	20.47	0.11143

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	0.72	16.55	17.55	20.09	30.00
2417MHz	Pass	0.72	18.35	19.29	21.86	30.00
2437MHz	Pass	0.72	20.39	21.22	23.84	30.00
2457MHz	Pass	0.72	17.40	18.11	20.78	30.00
2462MHz	Pass	0.72	17.61	18.12	20.88	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	0.72	12.34	13.35	15.88	30.00
2417MHz	Pass	0.72	15.32	16.04	18.71	30.00
2437MHz	Pass	0.72	17.77	18.35	21.08	30.00
2457MHz	Pass	0.72	15.51	15.85	18.69	30.00
2462MHz	Pass	0.72	14.93	15.44	18.20	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	0.72	10.41	10.80	13.62	30.00
2417MHz	Pass	0.72	13.30	14.12	16.74	30.00
2437MHz	Pass	0.72	19.05	20.12	22.63	30.00
2457MHz	Pass	0.72	14.31	14.88	17.61	30.00
2462MHz	Pass	0.72	6.19	6.90	9.57	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	0.72	7.83	8.27	11.07	30.00
2417MHz	Pass	0.72	10.98	11.40	14.21	30.00
2437MHz	Pass	0.72	17.05	17.84	20.47	30.00
2457MHz	Pass	0.72	11.94	12.18	15.07	30.00
2462MHz	Pass	0.72	7.00	7.49	10.26	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-0.15
802.11g_Nss1,(6Mbps)_2TX	-4.77
802.11n HT20_Nss1,(MCS0)_2TX	-2.53
VHT20_Nss1,(MCS0)_2TX	-6.43

RBW = 3kHz;

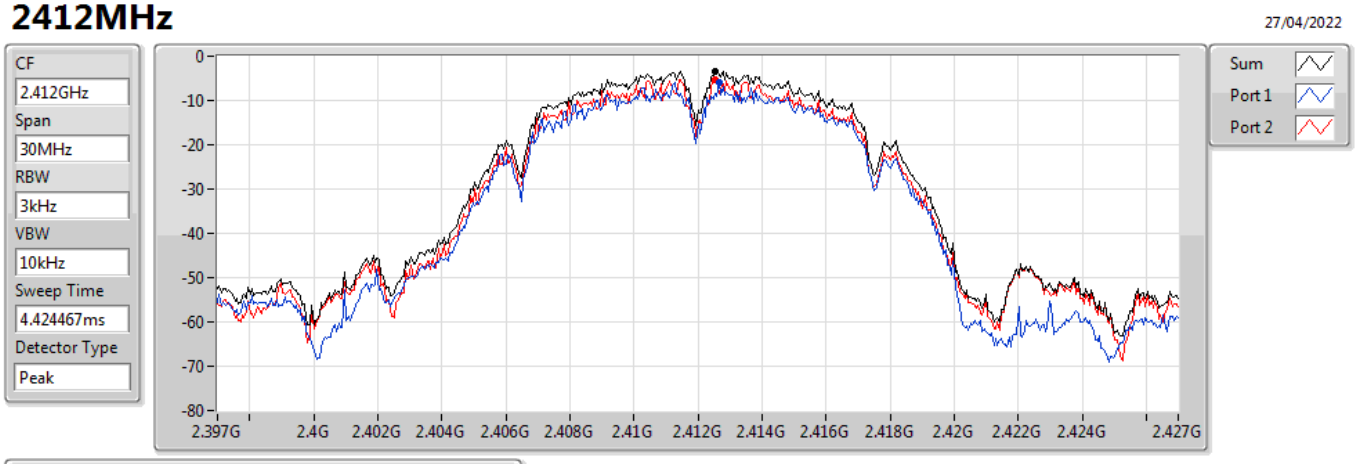
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.72	-6.05	-5.21	-3.48	8.00
2437MHz	Pass	3.72	-2.18	-3.53	-0.15	8.00
2462MHz	Pass	3.72	-5.53	-5.52	-2.88	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.72	-12.45	-11.52	-8.95	8.00
2437MHz	Pass	3.72	-7.04	-7.36	-4.77	8.00
2462MHz	Pass	3.72	-10.50	-9.43	-6.92	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.72	-16.40	-14.92	-13.15	8.00
2437MHz	Pass	3.72	-6.81	-4.56	-2.53	8.00
2462MHz	Pass	3.72	-19.05	-18.32	-16.53	8.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.72	-19.16	-18.29	-16.22	8.00
2437MHz	Pass	3.72	-8.98	-8.32	-6.43	8.00
2462MHz	Pass	3.72	-18.14	-18.93	-15.84	8.00

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

802.11b_Nss1,(1Mbps)_2TX PSD

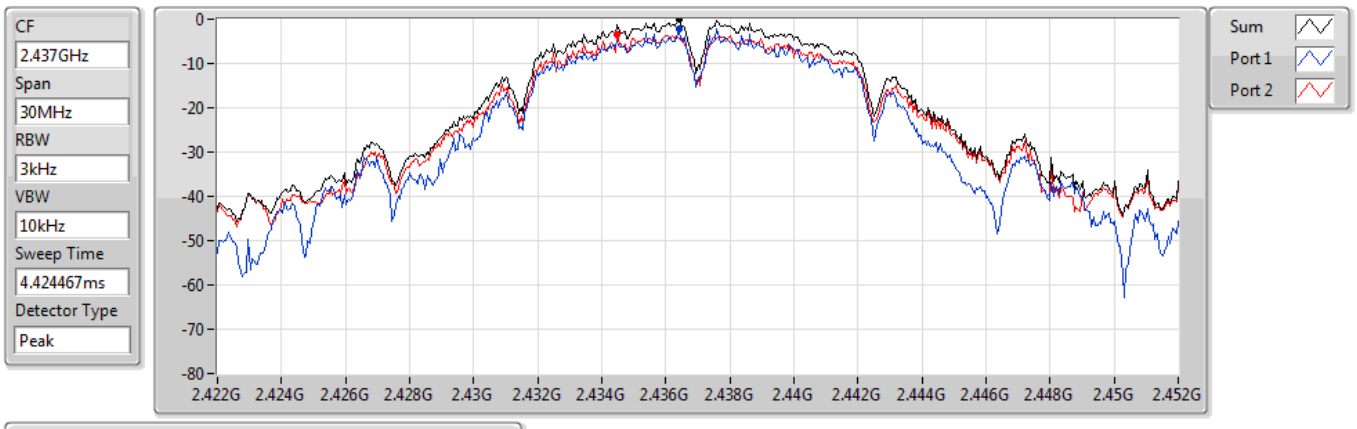
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.48	-3.48	-6.05	-5.21

802.11b_Nss1,(1Mbps)_2TX PSD

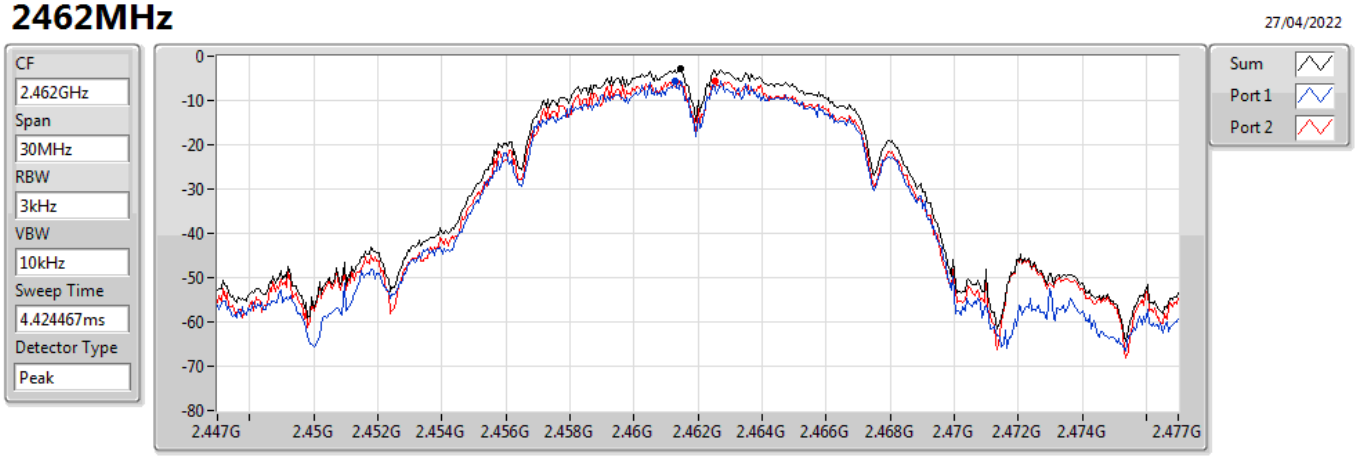
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.15	-0.15	-2.18	-3.53

802.11b_Nss1,(1Mbps)_2TX PSD

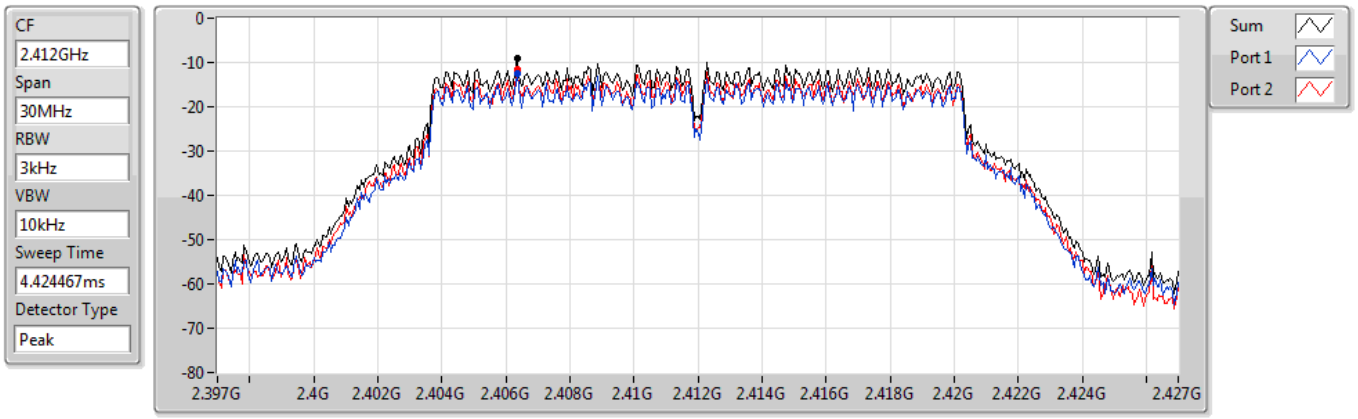
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.88	-2.88	-5.53	-5.52

802.11g_Nss1,(6Mbps)_2TX PSD

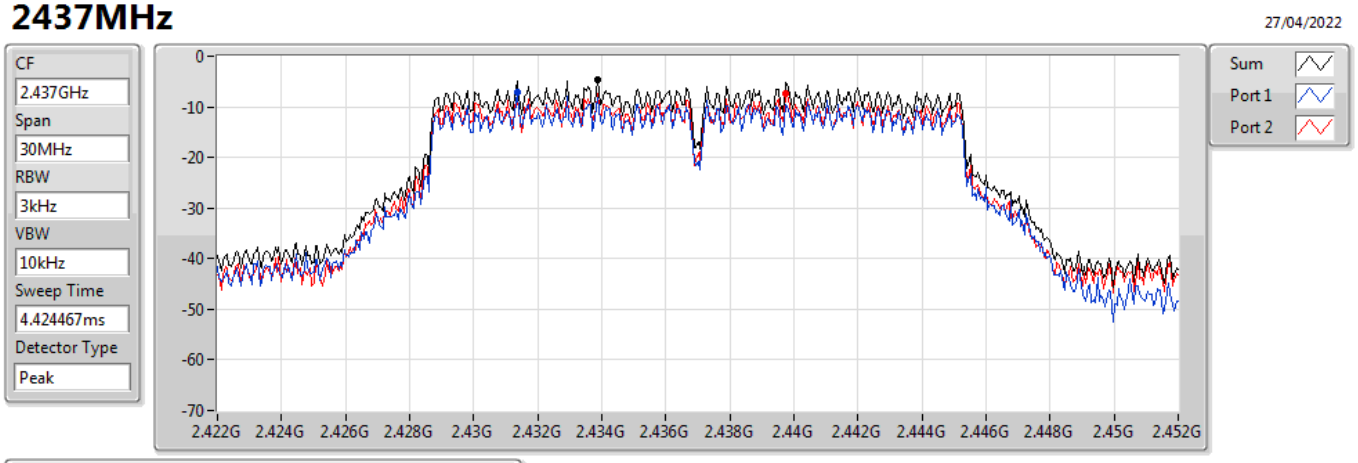
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.95	-8.95	-12.45	-11.52

802.11g_Nss1,(6Mbps)_2TX PSD

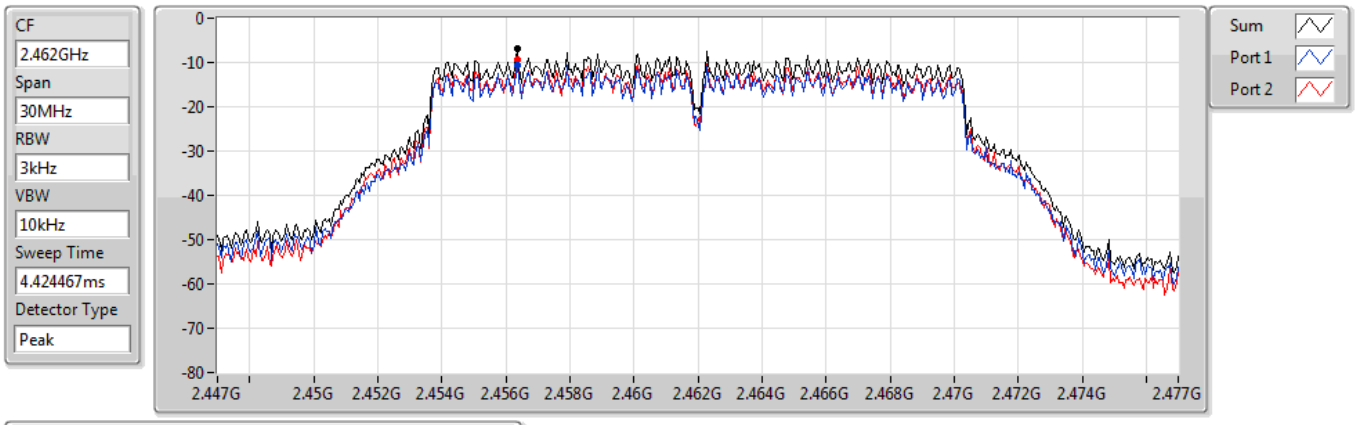
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.77	-4.77	-7.04	-7.36

802.11g_Nss1,(6Mbps)_2TX PSD

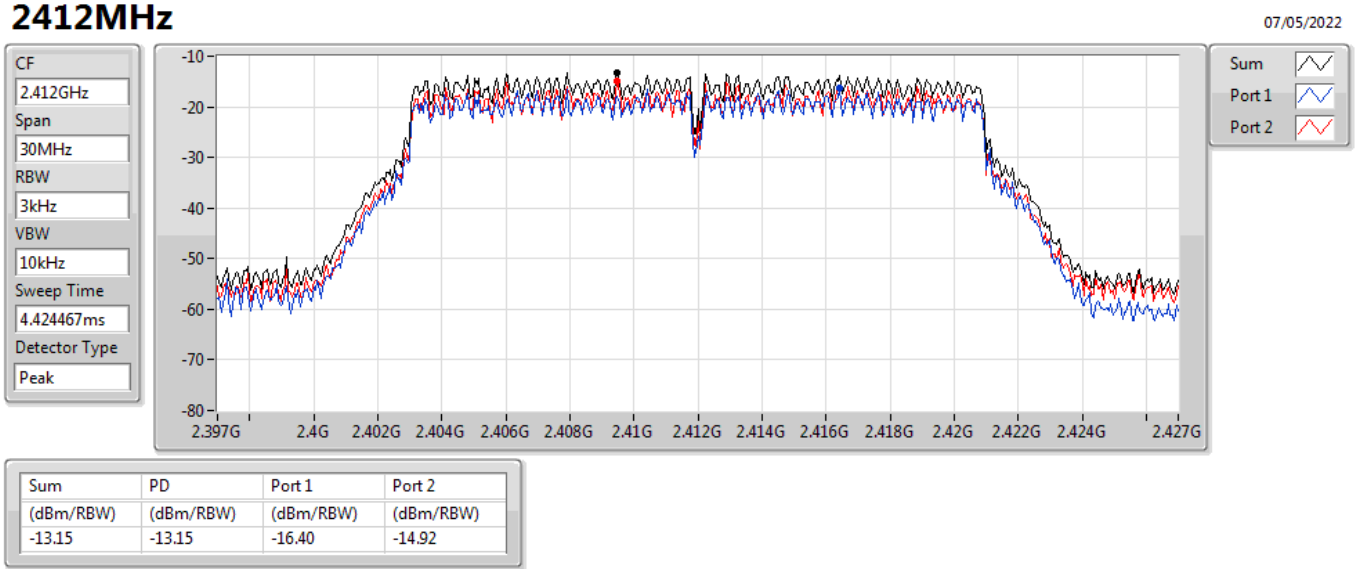
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.92	-6.92	-10.50	-9.43

802.11n HT20_Nss1,(MCS0)_2TX PSD

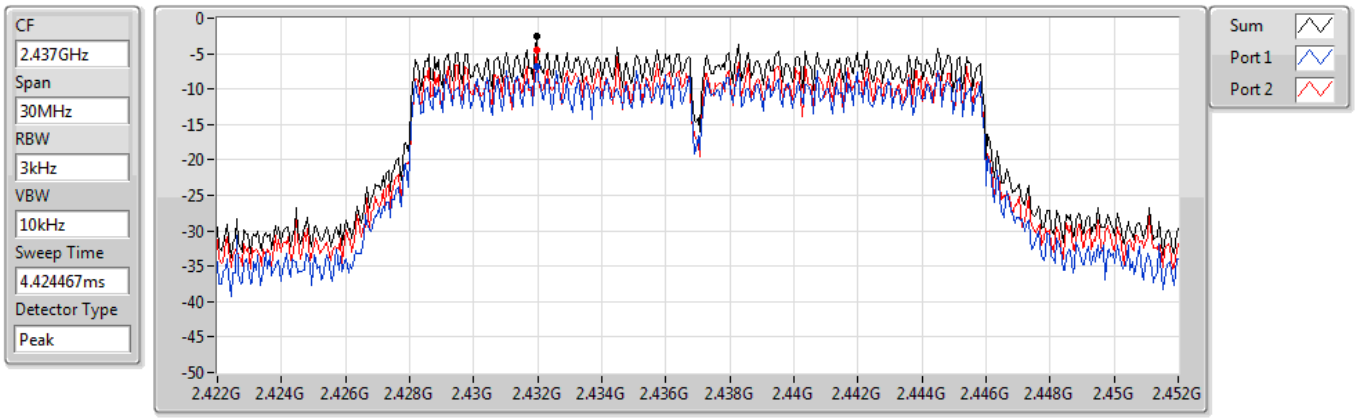
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.15	-13.15	-16.40	-14.92

802.11n HT20_Nss1,(MCS0)_2TX PSD

2437MHz

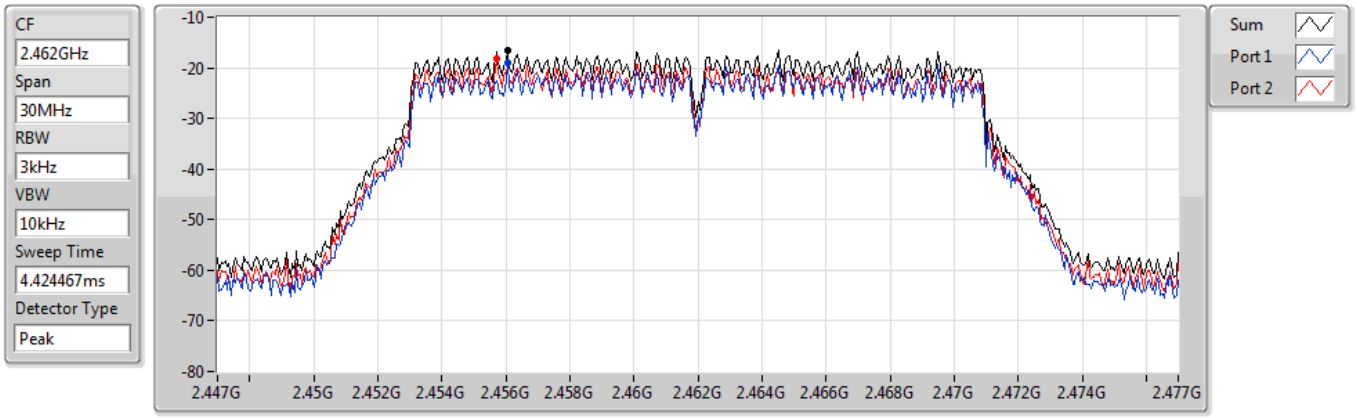


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.53	-2.53	-6.81	-4.56

802.11n HT20_Nss1,(MCS0)_2TX PSD

2462MHz

07/05/2022

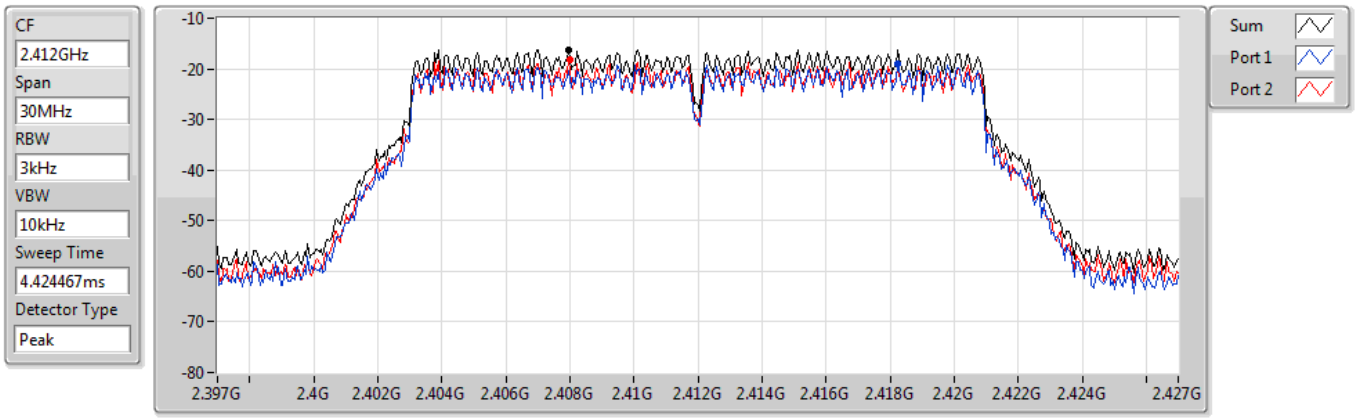


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.53	-16.53	-19.05	-18.32

VHT20_Nss1,(MCS0)_2TX PSD

2412MHz

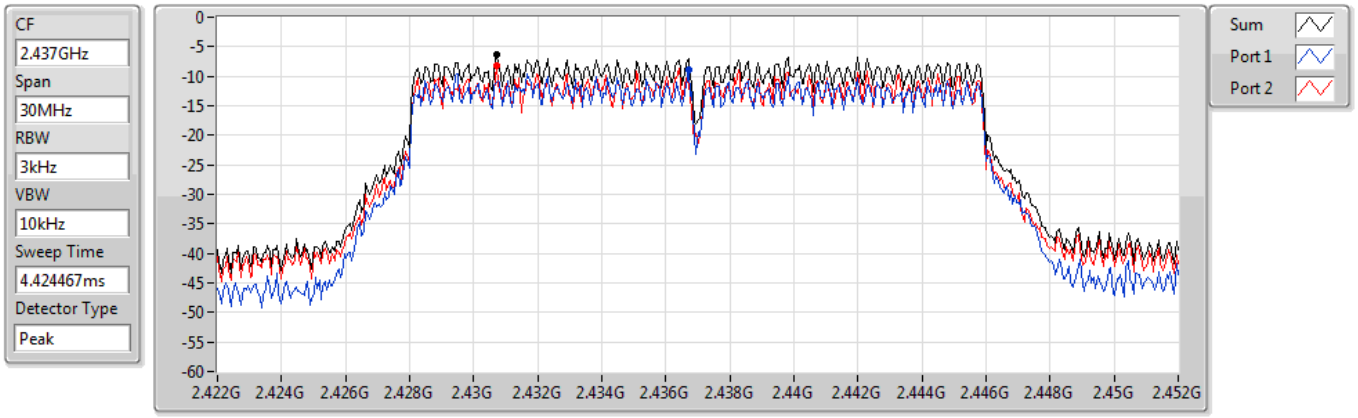
27/04/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.22	-16.22	-19.16	-18.29

VHT20_Nss1,(MCS0)_2TX PSD

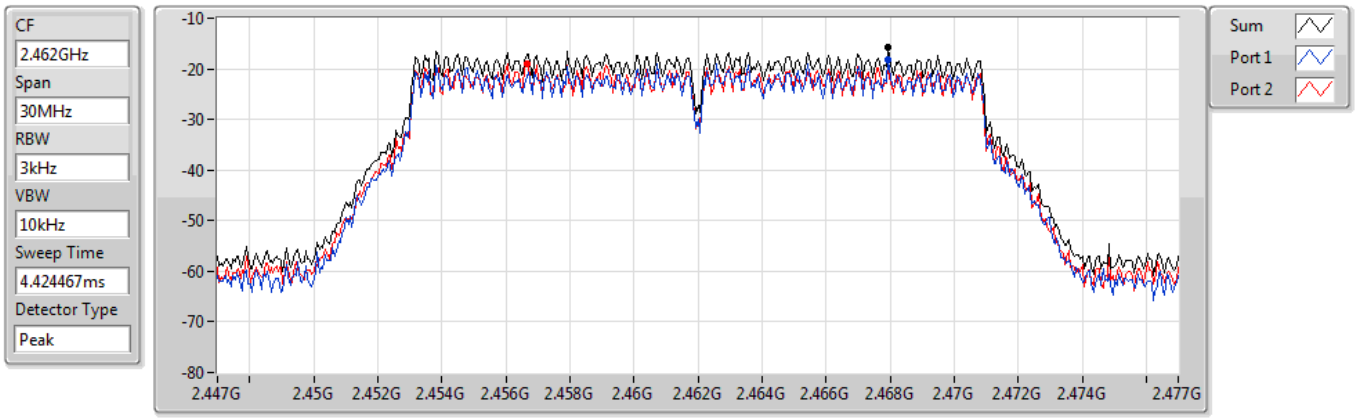
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.43	-6.43	-8.98	-8.32

VHT20_Nss1,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.84	-15.84	-18.14	-18.93

Summary

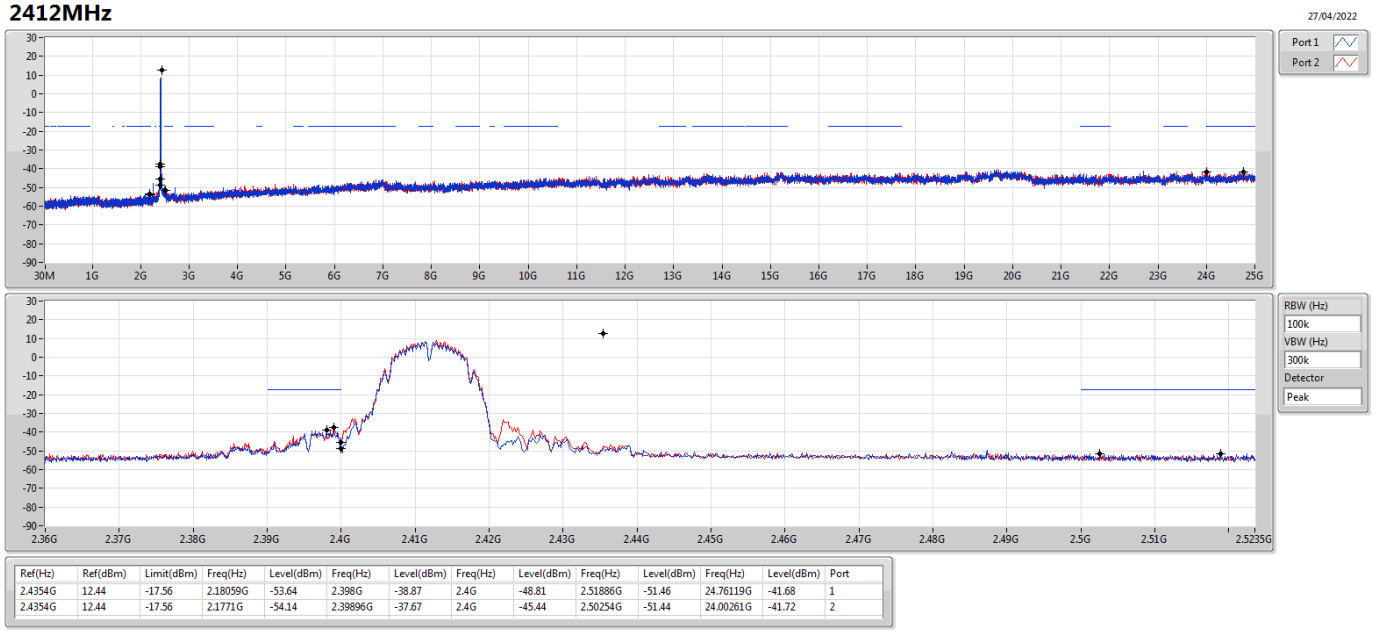
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.4354G	12.44	-17.56	2.1771G	-54.14	2.39896G	-37.67	2.4G	-45.44	2.50254G	-51.44	24.00261G	-41.72	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4319G	7.22	-22.78	1.99303G	-53.60	2.3996G	-37.88	2.4G	-37.30	2.50742G	-51.39	15.22834G	-41.25	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.44192G	9.74	-20.26	2.15729G	-54.08	2.39576G	-36.97	2.4G	-37.14	2.51054G	-51.29	24.98595G	-41.57	2
VHT20_Nss1,(MCS0)_2TX	Pass	2.44192G	7.00	-23.00	1.6412G	-54.08	2.39952G	-41.19	2.4G	-41.59	2.50038G	-51.00	24.76681G	-40.64	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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4354G	12.44	-17.56	2.18059G	-53.64	2.398G	-38.87	2.4G	-48.81	2.51886G	-51.46	24.76119G	-41.68	1
2412MHz	Pass	2.4354G	12.44	-17.56	2.1771G	-54.14	2.39896G	-37.67	2.4G	-45.44	2.50254G	-51.44	24.00261G	-41.72	2
2437MHz	Pass	2.4354G	12.44	-17.56	571.73M	-53.50	2.4G	-48.60	2.4G	-47.72	2.51118G	-51.18	16.70336G	-41.66	1
2437MHz	Pass	2.4354G	12.44	-17.56	2.09205G	-54.42	2.4G	-46.30	2.4G	-46.85	2.5163G	-50.20	15.21148G	-41.53	2
2462MHz	Pass	2.4354G	12.44	-17.56	2.14564G	-53.63	2.39688G	-52.09	2.4G	-53.70	2.50662G	-50.84	15.20587G	-41.57	1
2462MHz	Pass	2.4354G	12.44	-17.56	916.57M	-53.81	2.3916G	-49.87	2.4G	-53.45	2.50438G	-50.86	23.3255G	-41.99	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	7.22	-22.78	2.30408G	-53.98	2.39952G	-37.50	2.4G	-38.27	2.51406G	-51.82	21.55267G	-41.57	1
2412MHz	Pass	2.4319G	7.22	-22.78	1.99303G	-53.60	2.3996G	-37.88	2.4G	-37.30	2.50742G	-51.39	15.22834G	-41.25	2
2437MHz	Pass	2.4319G	7.22	-22.78	2.00235G	-54.01	2.4G	-41.89	2.4G	-41.51	2.50366G	-50.78	24.78928G	-41.35	1
2437MHz	Pass	2.4319G	7.22	-22.78	2.14797G	-53.35	2.39984G	-41.41	2.4G	-42.35	2.50078G	-50.53	21.95162G	-41.00	2
2462MHz	Pass	2.4319G	7.22	-22.78	2.12118G	-53.66	2.3932G	-51.05	2.4G	-53.10	2.50726G	-49.33	15.20025G	-40.58	1
2462MHz	Pass	2.4319G	7.22	-22.78	837.35M	-53.42	2.39544G	-50.25	2.4G	-52.13	2.50502G	-48.54	15.2452G	-41.06	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	9.74	-20.26	1.9406G	-53.90	2.39888G	-38.31	2.4G	-38.97	2.5139G	-51.87	17.58276G	-42.07	1
2412MHz	Pass	2.44192G	9.74	-20.26	2.15729G	-54.08	2.39576G	-36.97	2.4G	-37.14	2.51054G	-51.29	24.98595G	-41.57	2
2437MHz	Pass	2.44192G	9.74	-20.26	49.81M	-51.74	2.3992G	-43.82	2.4G	-43.77	2.50158G	-50.48	16.34936G	-41.51	1
2437MHz	Pass	2.44192G	9.74	-20.26	2.30641G	-53.04	2.39944G	-42.65	2.4G	-43.66	2.51534G	-50.78	15.21429G	-40.62	2
2462MHz	Pass	2.44192G	9.74	-20.26	953.85M	-54.26	2.39456G	-52.53	2.4G	-54.66	2.50398G	-52.23	15.2761G	-41.65	1
2462MHz	Pass	2.44192G	9.74	-20.26	2.02099G	-53.42	2.39888G	-51.73	2.4G	-54.20	2.50446G	-52.33	24.84828G	-41.03	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	7.00	-23.00	691.72M	-54.04	2.39928G	-41.49	2.4G	-42.86	2.50206G	-52.10	15.07382G	-41.25	1
2412MHz	Pass	2.44192G	7.00	-23.00	1.6412G	-54.08	2.39952G	-41.19	2.4G	-41.59	2.50038G	-51.00	24.76681G	-40.64	2
2437MHz	Pass	2.44192G	7.00	-23.00	916.57M	-53.81	2.3992G	-46.96	2.4G	-48.39	2.50782G	-50.21	24.95786G	-40.45	1
2437MHz	Pass	2.44192G	7.00	-23.00	2.30991G	-53.43	2.39952G	-45.81	2.4G	-47.06	2.50718G	-49.96	23.33112G	-41.27	2
2462MHz	Pass	2.44192G	7.00	-23.00	2.13865G	-54.33	2.39944G	-52.35	2.4G	-54.03	2.51526G	-50.15	15.20587G	-41.00	1
2462MHz	Pass	2.44192G	7.00	-23.00	803.56M	-53.66	2.39656G	-53.33	2.4G	-54.18	2.50222G	-51.71	24.80614G	-40.57	2

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

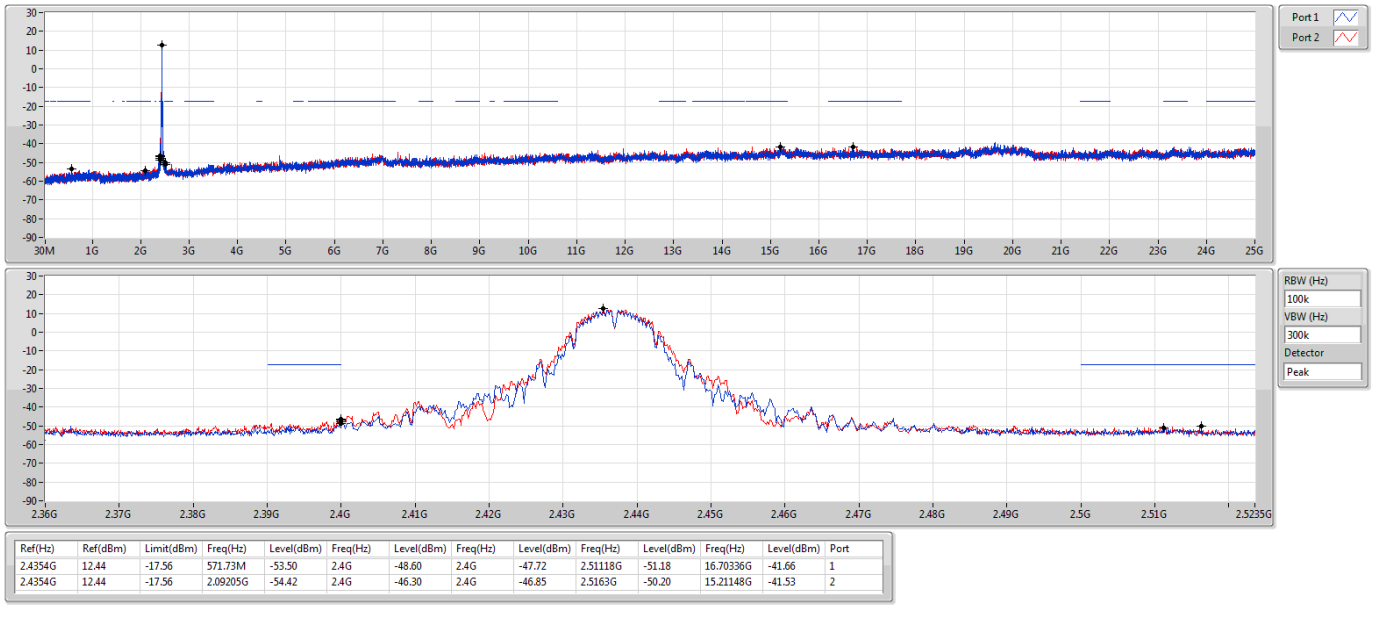
2412MHz



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
2.4354G	12.44	-17.56	2.18059G	-53.64	2.398G	-38.87	2.4G	-48.81	2.51886G	-51.46	24.76119G	-41.68	1
2.4354G	12.44	-17.56	2.1771G	-54.14	2.39896G	-37.67	2.4G	-45.44	2.50254G	-51.44	24.00261G	-41.72	2

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

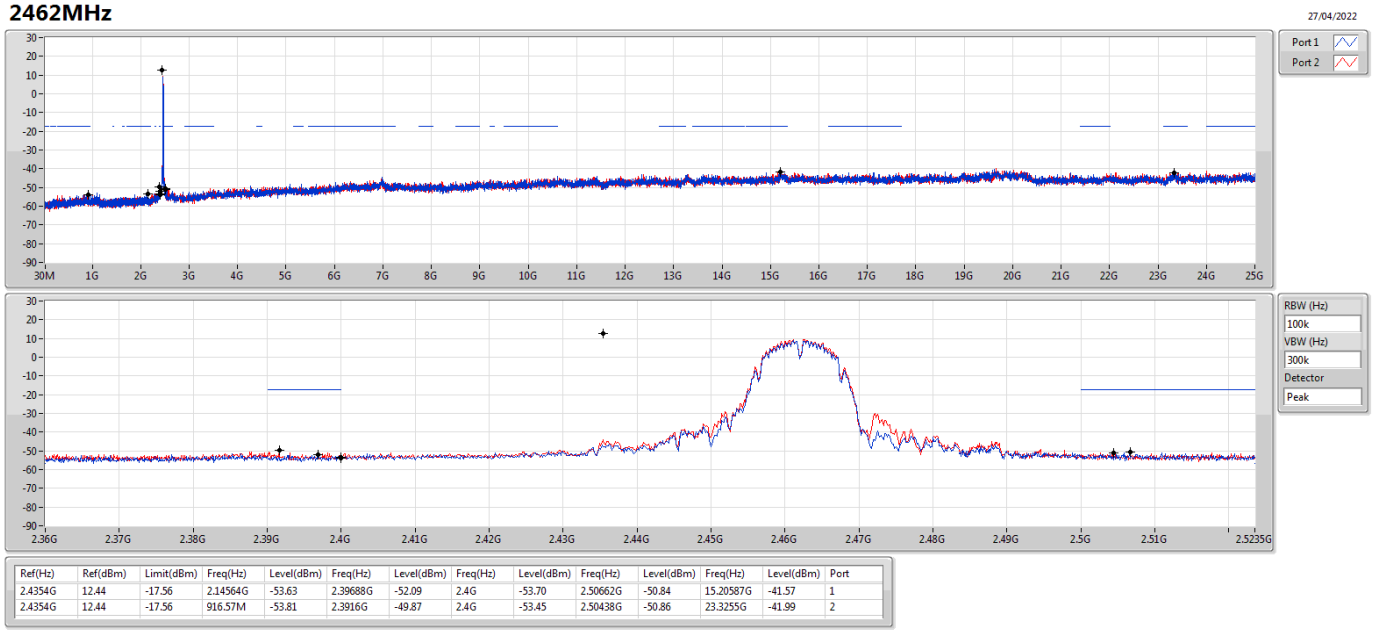
2437MHz



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
2.4354G	12.44	-17.56	571.73M	-53.50	2.4G	-48.60	2.4G	-47.72	2.51118G	-51.18	16.70336G	-41.66	1
2.4354G	12.44	-17.56	2.09205G	-54.42	2.4G	-46.30	2.4G	-46.85	2.5163G	-50.20	15.21148G	-41.53	2

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

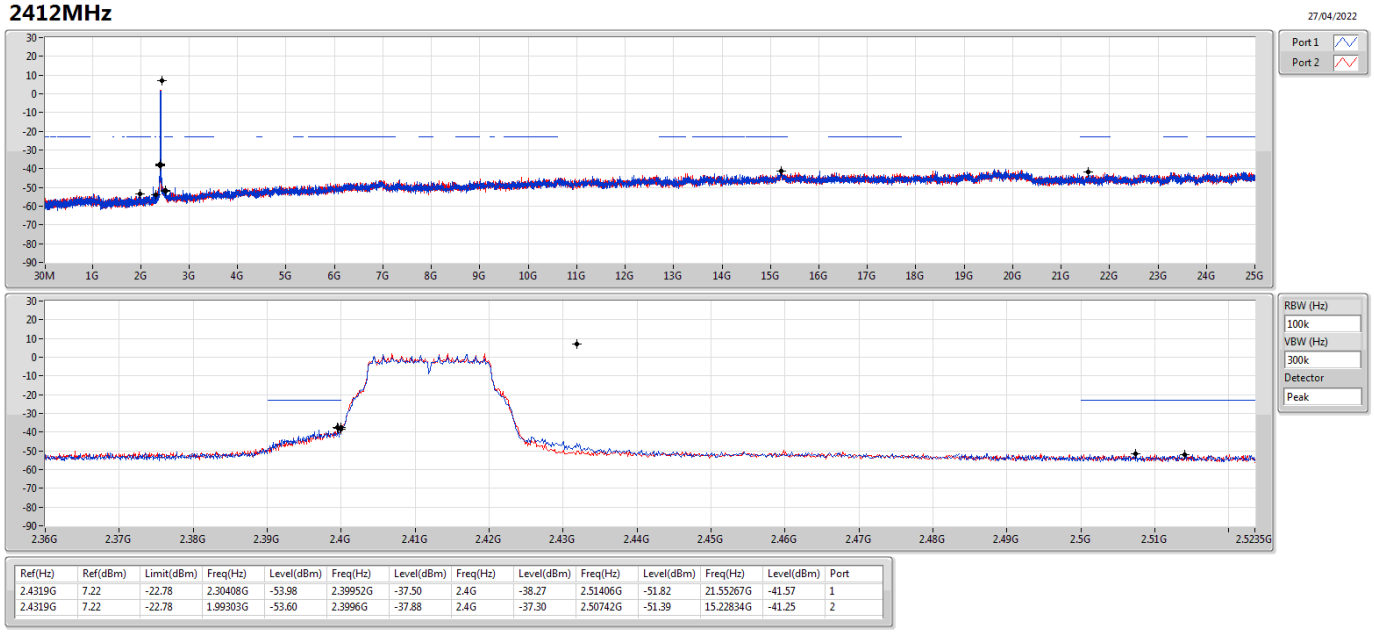
2462MHz



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
2.4354G	12.44	-17.56	2.14564G	-53.63	2.39688G	-52.09	2.4G	-53.70	2.50662G	-50.84	15.20587G	-41.57	1
2.4354G	12.44	-17.56	916.57M	-53.81	2.3916G	-49.87	2.4G	-53.45	2.50438G	-50.86	23.3255G	-41.99	2

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

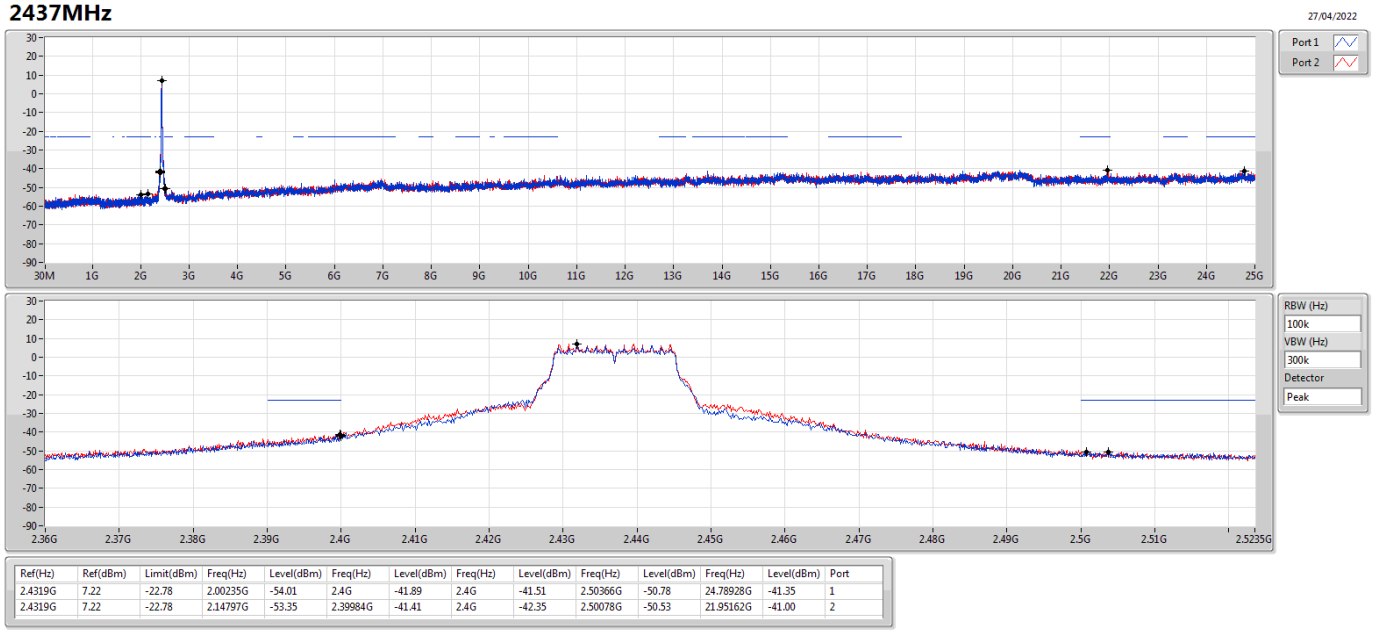
2412MHz



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
2.4319G	7.22	-22.78	2.30408G	-53.98	2.39952G	-37.50	2.4G	-38.27	2.51406G	-51.82	21.55267G	-41.57	1
2.4319G	7.22	-22.78	1.99303G	-53.60	2.3996G	-37.88	2.4G	-37.30	2.50742G	-51.39	15.22834G	-41.25	2

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

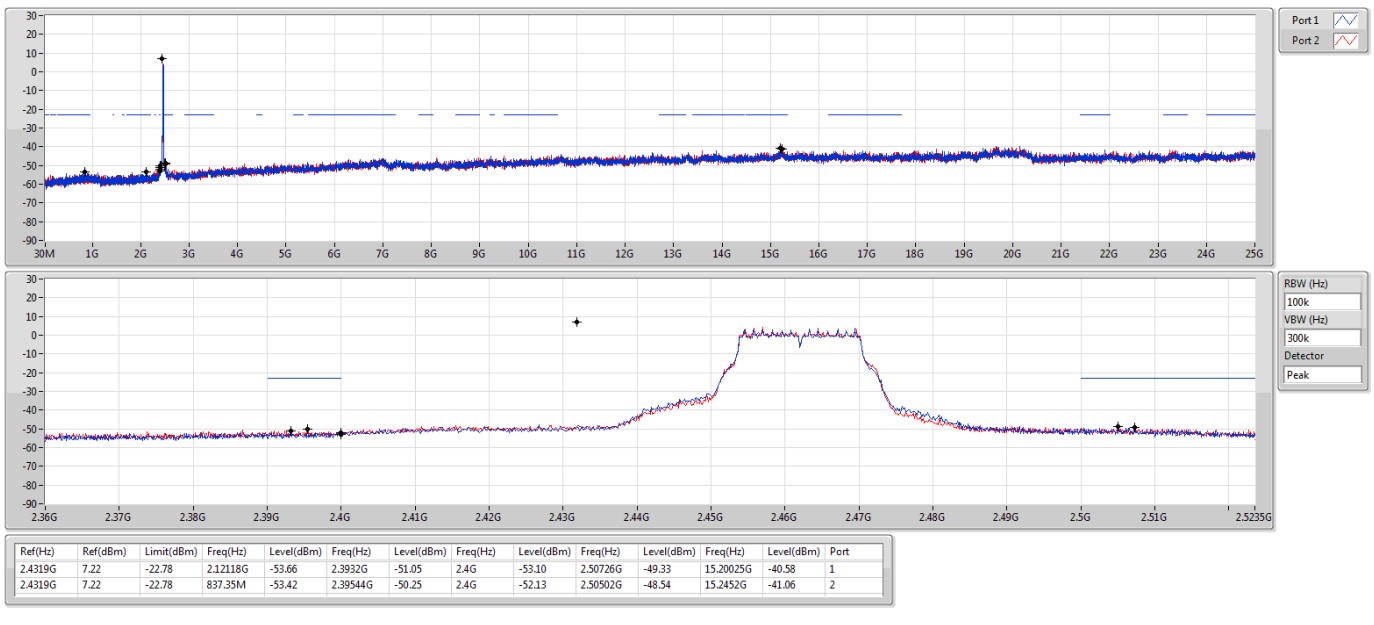
2437MHz



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
2.4319G	7.22	-22.78	2.00235G	-54.01	2.4G	-41.89	2.4G	-41.51	2.50366G	-50.78	24.78928G	-41.35	1
2.4319G	7.22	-22.78	2.14797G	-53.35	2.39984G	-41.41	2.4G	-42.35	2.50078G	-50.53	21.95162G	-41.00	2

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

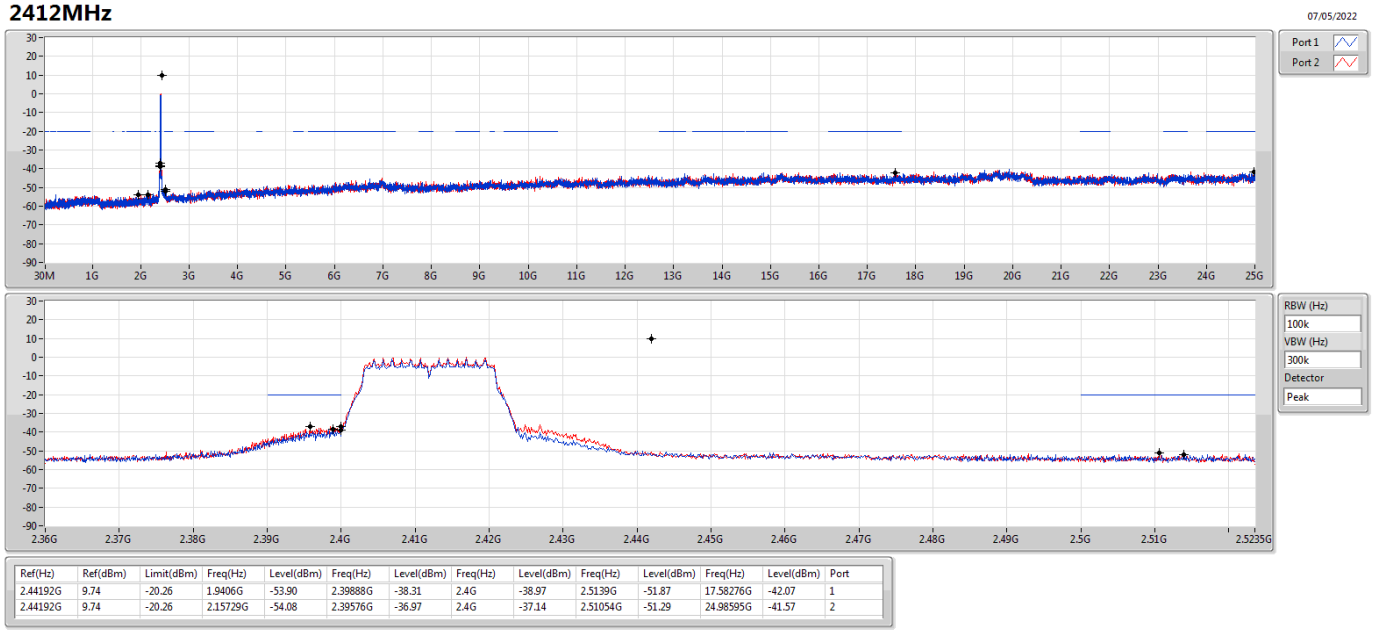
2462MHz



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
2.4319G	7.22	-22.78	2.12118G	-53.66	2.3932G	-51.05	2.4G	-53.10	2.50726G	-49.33	15.20025G	-40.58	1
2.4319G	7.22	-22.78	837.35M	-53.42	2.39544G	-50.25	2.4G	-52.13	2.50502G	-48.54	15.2452G	-41.06	2

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

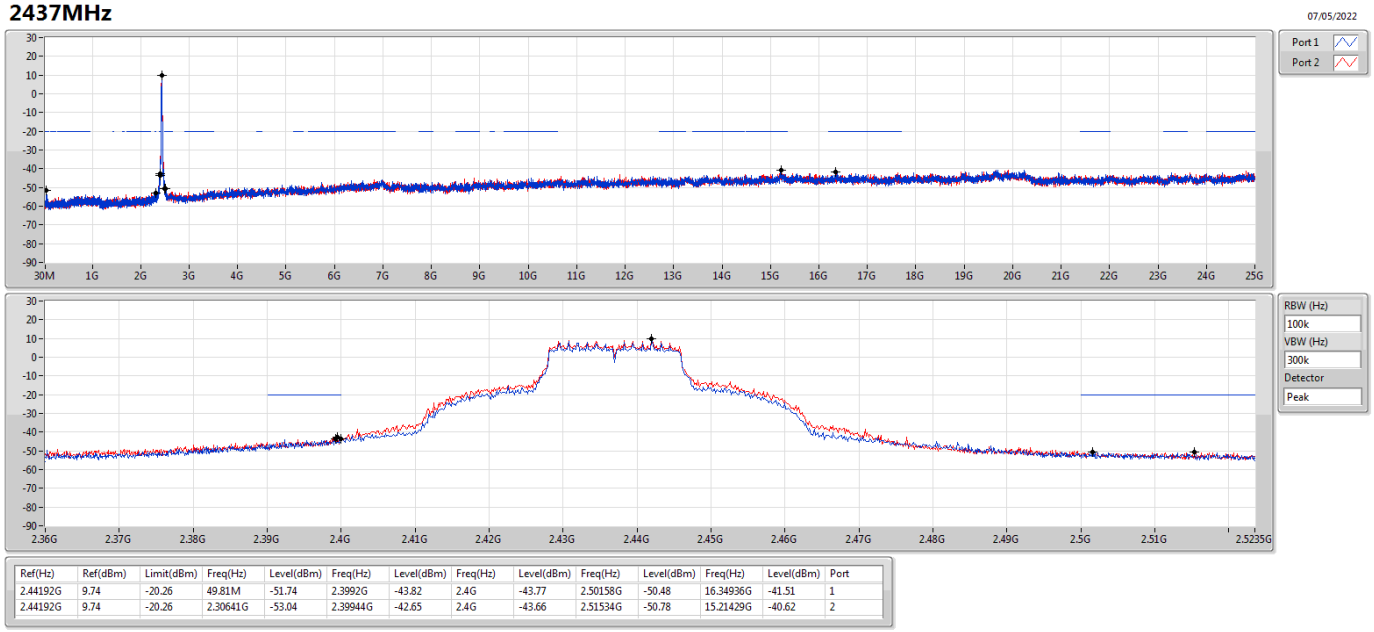
2412MHz



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
2.44192G	9.74	-20.26	1.9406G	-53.90	2.39888G	-38.31	2.4G	-38.97	2.5139G	-51.87	17.58276G	-42.07	1
2.44192G	9.74	-20.26	2.15729G	-54.08	2.39576G	-36.97	2.4G	-37.14	2.51054G	-51.29	24.98595G	-41.57	2

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

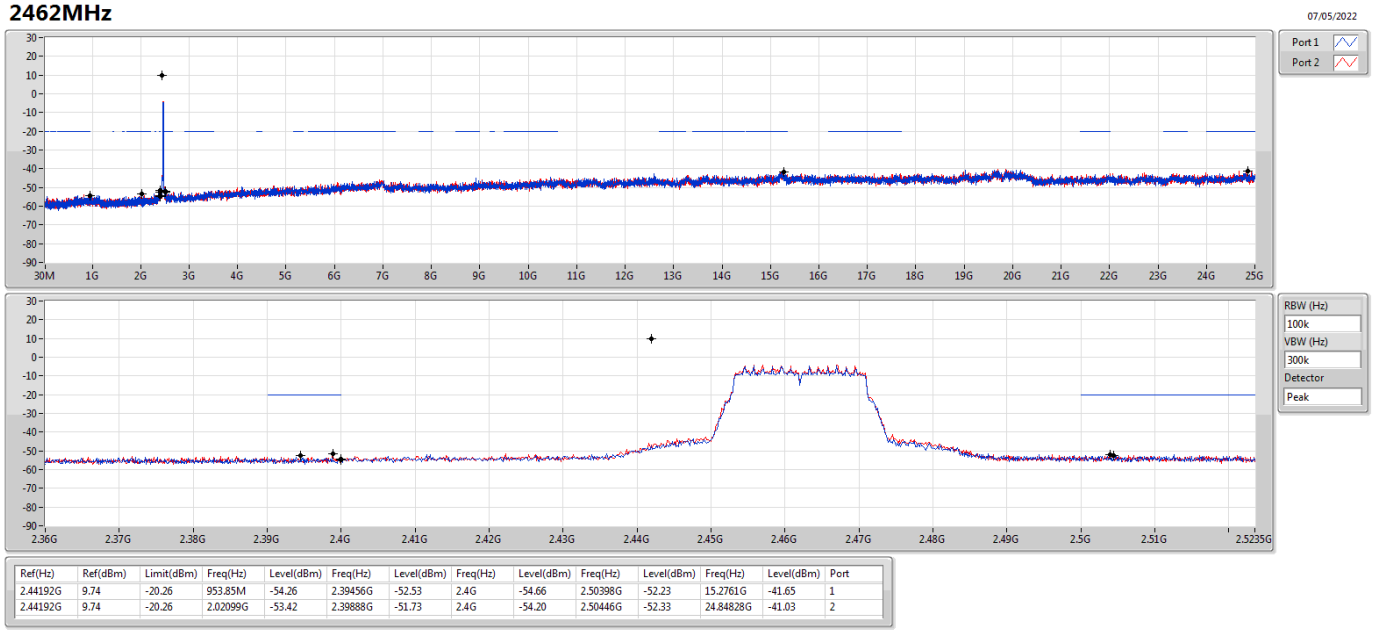
2437MHz



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
2.44192G	9.74	-20.26	49.81M	-51.74	2.3992G	-43.82	2.4G	-43.77	2.50158G	-50.48	16.34936G	-41.51	1
2.44192G	9.74	-20.26	2.30641G	-53.04	2.39944G	-42.65	2.4G	-43.66	2.51534G	-50.78	15.21429G	-40.62	2

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

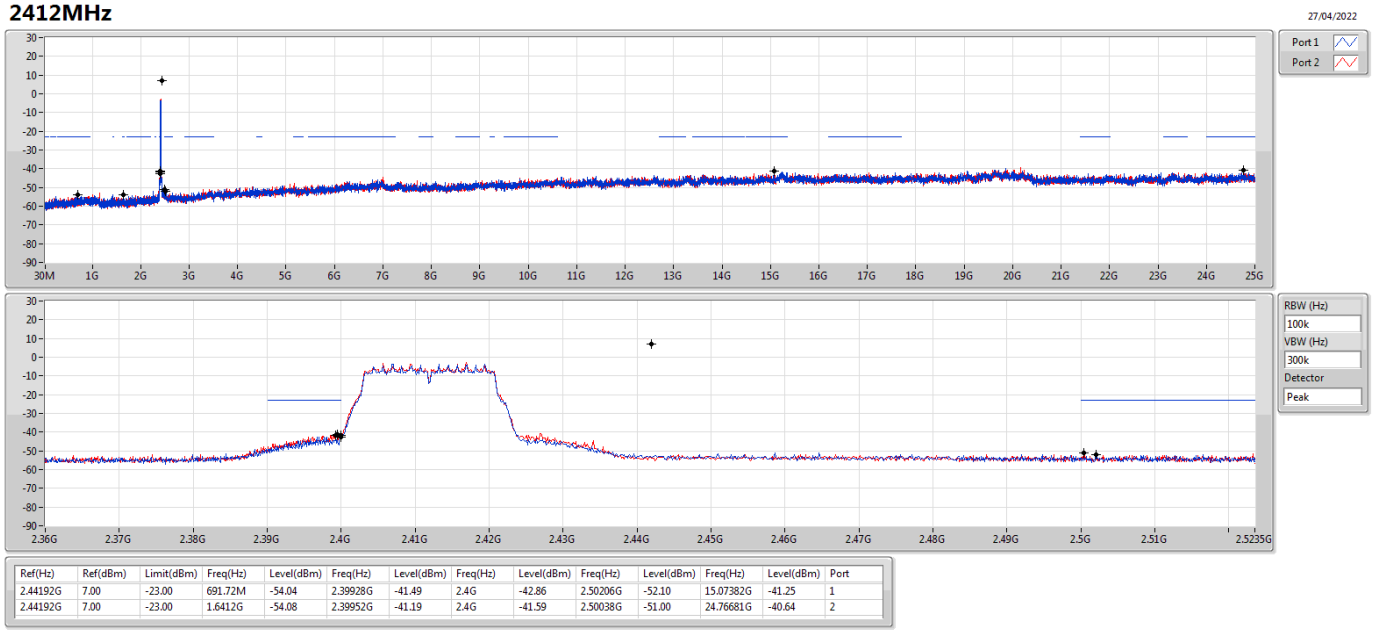
2462MHz



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
2.44192G	9.74	-20.26	953.85M	-54.26	2.39456G	-52.53	2.4G	-54.66	2.50398G	-52.23	15.2761G	-41.65	1
2.44192G	9.74	-20.26	2.02099G	-53.42	2.39888G	-51.73	2.4G	-54.20	2.50446G	-52.33	24.84828G	-41.03	2

VHT20_Nss1,(MCS0)_2TX **CSENdB**

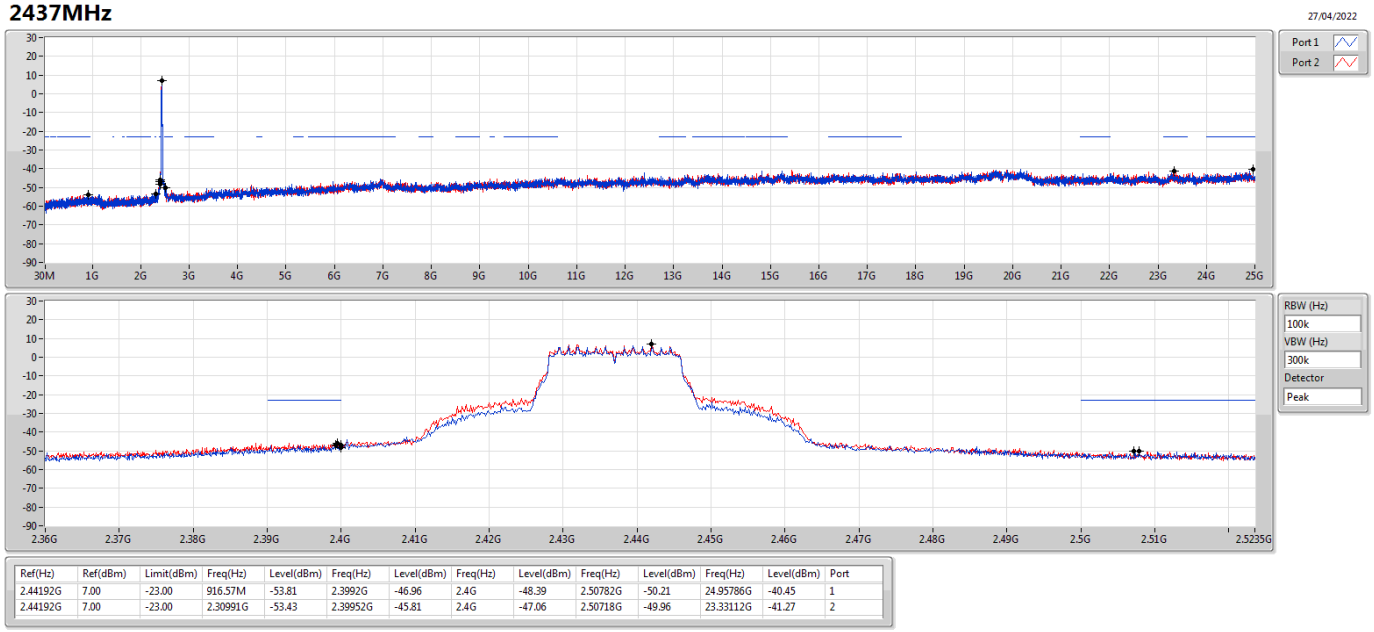
2412MHz



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
2.44192G	7.00	-23.00	691.72M	-54.04	2.39928G	-41.49	2.4G	-42.86	2.50206G	-52.10	15.07382G	-41.25	1
2.44192G	7.00	-23.00	1.6412G	-54.08	2.39952G	-41.19	2.4G	-41.59	2.50038G	-51.00	24.76681G	-40.64	2

VHT20_Nss1,(MCS0)_2TX **CSENdB**

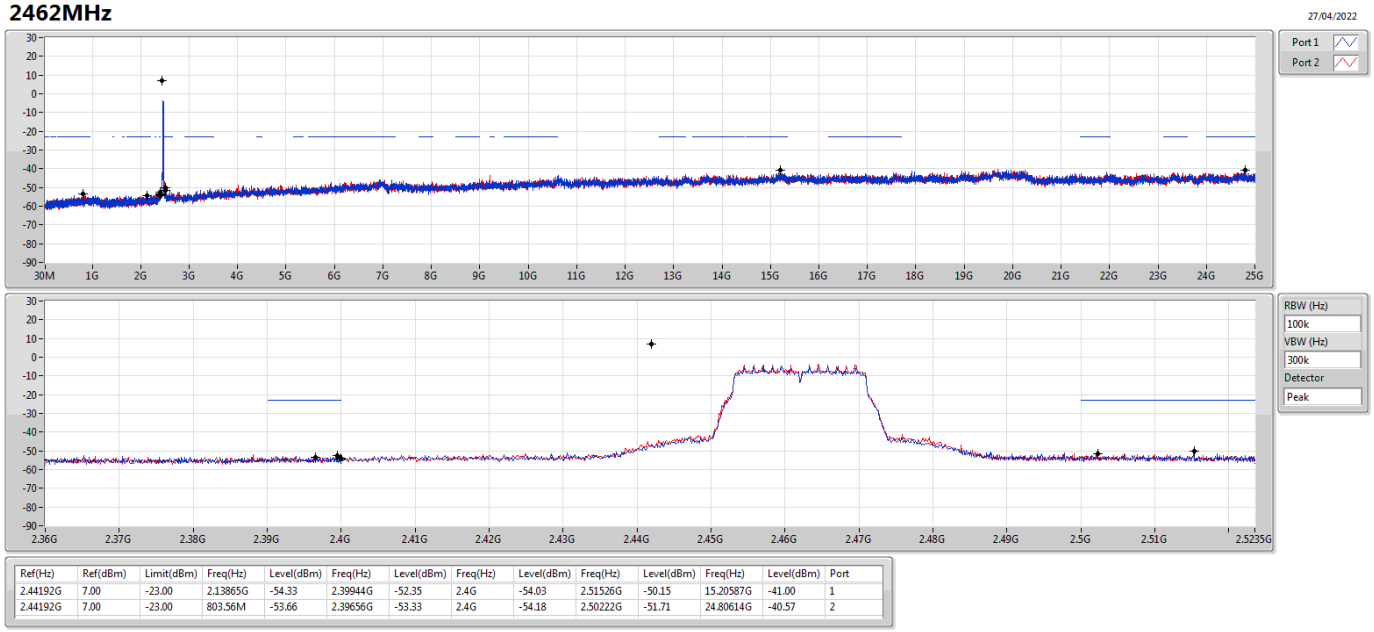
2437MHz



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
2.44192G	7.00	-23.00	916.57M	-53.81	2.3992G	-46.96	2.4G	-48.39	2.50782G	-50.21	24.95786G	-40.45	1
2.44192G	7.00	-23.00	2.30991G	-53.43	2.39952G	-45.81	2.4G	-47.06	2.50718G	-49.96	23.33112G	-41.27	2

VHT20_Nss1,(MCS0)_2TX **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
2.44192G	7.00	-23.00	2.13865G	-54.33	2.39944G	-52.35	2.4G	-54.03	2.51526G	-50.15	15.20587G	-41.00	1
2.44192G	7.00	-23.00	803.56M	-53.66	2.39656G	-53.33	2.4G	-54.18	2.50222G	-51.71	24.80614G	-40.57	2

Summary

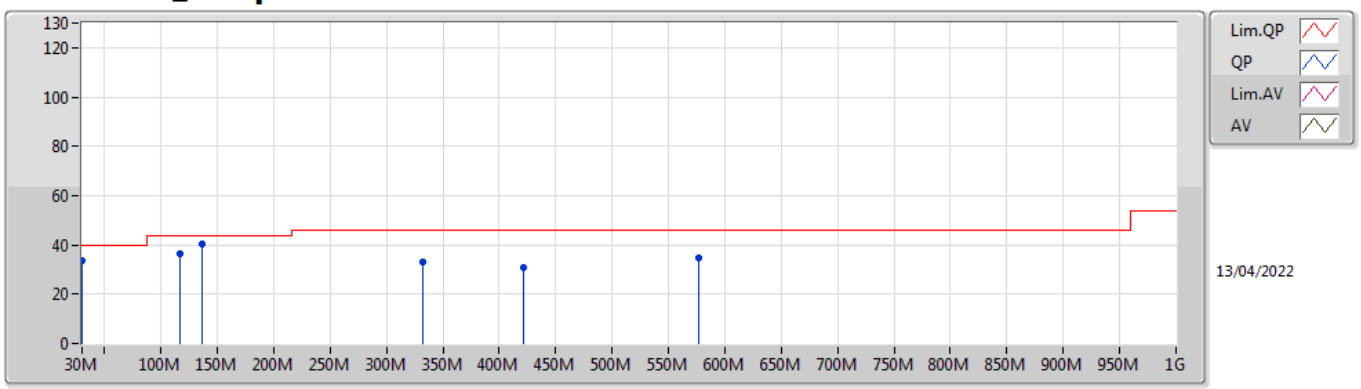
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
VHT20_Nss1,(MCS0)_2TX	Pass	PK	136.7M	40.17	43.50	-3.33	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	33.52	40.00	-6.48	3	Vertical	0	1.00	-
2437MHz	Pass	PK	117.3M	36.60	43.50	-6.90	3	Vertical	0	1.00	-
2437MHz	Pass	PK	136.7M	40.17	43.50	-3.33	3	Vertical	0	1.00	-
2437MHz	Pass	PK	332.64M	32.92	46.00	-13.08	3	Vertical	0	1.00	-
2437MHz	Pass	PK	421.88M	31.02	46.00	-14.98	3	Vertical	0	1.00	-
2437MHz	Pass	PK	577.08M	34.97	46.00	-11.03	3	Vertical	0	1.00	-
2437MHz	Pass	PK	33.88M	31.72	40.00	-8.28	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	117.3M	36.79	43.50	-6.71	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	130.88M	38.81	43.50	-4.69	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	338.46M	40.25	46.00	-5.75	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	379.2M	36.50	46.00	-9.50	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	577.08M	34.30	46.00	-11.70	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	39.7M	33.51	40.00	-6.49	3	Vertical	360	1.00	-
2437MHz	Pass	PK	57.16M	30.98	40.00	-9.02	3	Vertical	360	1.00	-
2437MHz	Pass	PK	146.4M	31.41	43.50	-12.09	3	Vertical	360	1.00	-
2437MHz	Pass	PK	311.3M	26.43	46.00	-19.57	3	Vertical	360	1.00	-
2437MHz	Pass	PK	528.58M	31.57	46.00	-14.43	3	Vertical	360	1.00	-
2437MHz	Pass	PK	577.08M	35.41	46.00	-10.59	3	Vertical	360	1.00	-
2437MHz	Pass	PK	33.88M	28.89	40.00	-11.11	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	165.8M	28.39	43.50	-15.11	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	235.64M	28.19	46.00	-17.81	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	311.3M	33.23	46.00	-12.77	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	577.08M	38.23	46.00	-7.77	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	625.58M	34.41	46.00	-11.59	3	Horizontal	0	1.00	-

VHT20_Nss1,(MCS0)_2TX

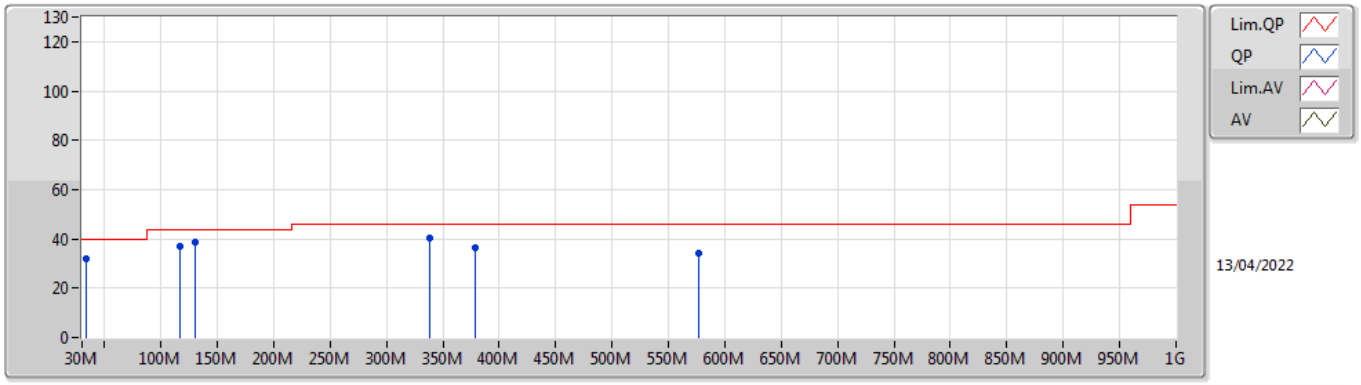
2437MHz_Adapter



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	30M	33.52	40.00	-6.48	-2.87	3	Vertical	0	1.00	-	36.39	23.26	0.86	26.99
PK	117.3M	36.60	43.50	-6.90	-8.86	3	Vertical	0	1.00	-	45.46	17.42	1.52	27.80
PK	136.7M	40.17	43.50	-3.33	-9.36	3	Vertical	0	1.00	-	49.53	16.65	1.62	27.63
PK	332.64M	32.92	46.00	-13.08	-5.82	3	Vertical	0	1.00	-	38.74	18.94	2.48	27.24
PK	421.88M	31.02	46.00	-14.98	-3.30	3	Vertical	0	1.00	-	34.32	21.80	2.81	27.91
PK	577.08M	34.97	46.00	-11.03	-1.18	3	Vertical	0	1.00	-	36.15	23.91	3.29	28.38

VHT20_Nss1,(MCS0)_2TX

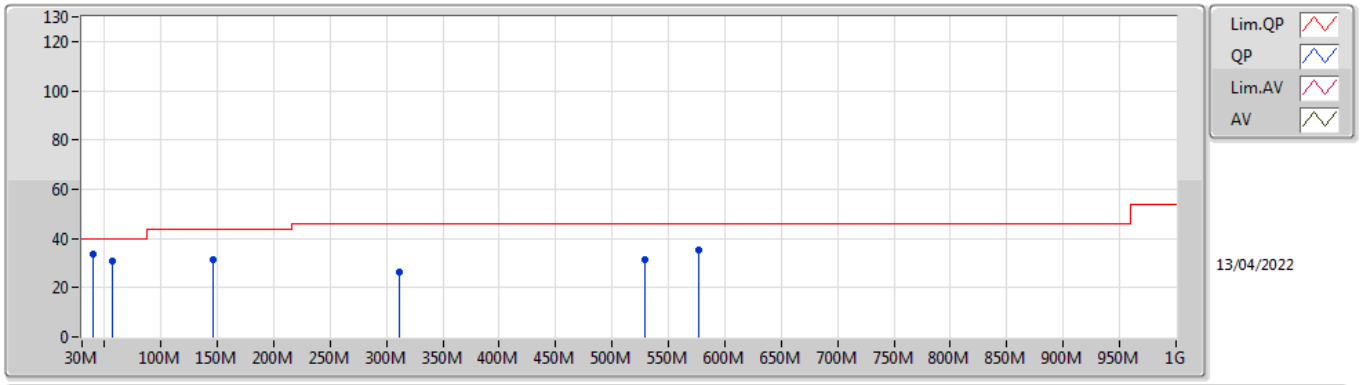
2437MHz_Adapter



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	33.88M	31.72	40.00	-8.28	-5.10	3	Horizontal	360	1.00	-	36.82	21.11	0.90	27.11
PK	117.3M	36.79	43.50	-6.71	-8.86	3	Horizontal	360	1.00	-	45.65	17.42	1.52	27.80
PK	130.88M	38.81	43.50	-4.69	-9.00	3	Horizontal	360	1.00	-	47.81	17.10	1.59	27.69
PK	338.46M	40.25	46.00	-5.75	-5.66	3	Horizontal	360	1.00	-	45.91	19.10	2.51	27.27
PK	379.2M	36.50	46.00	-9.50	-4.80	3	Horizontal	360	1.00	-	41.30	20.13	2.66	27.59
PK	577.08M	34.30	46.00	-11.70	-1.18	3	Horizontal	360	1.00	-	35.48	23.91	3.29	28.38

VHT20_Nss1,(MCS0)_2TX

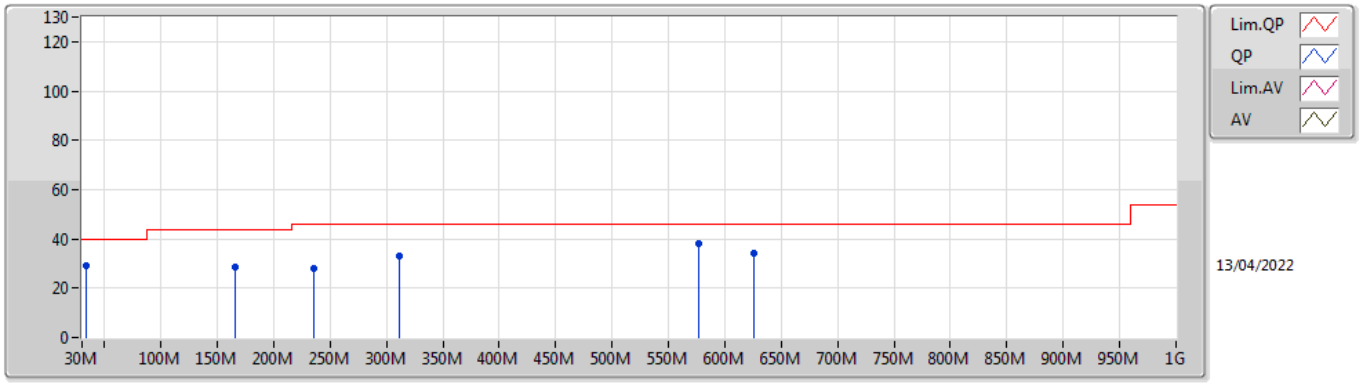
2437MHz_USB



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	39.7M	33.51	40.00	-6.49	-8.49	3	Vertical	360	1.00	-	42.00	17.92	0.96	27.37
PK	57.16M	30.98	40.00	-9.02	-14.80	3	Vertical	360	1.00	-	45.78	11.83	1.12	27.75
PK	146.4M	31.41	43.50	-12.09	-10.06	3	Vertical	360	1.00	-	41.47	15.83	1.68	27.57
PK	311.3M	26.43	46.00	-19.57	-6.03	3	Vertical	360	1.00	-	32.46	18.69	2.40	27.12
PK	528.58M	31.57	46.00	-14.43	-2.40	3	Vertical	360	1.00	-	33.97	22.79	3.14	28.33
PK	577.08M	35.41	46.00	-10.59	-1.18	3	Vertical	360	1.00	-	36.59	23.91	3.29	28.38

VHT20_Nss1,(MCS0)_2TX

2437MHz_USB



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	33.88M	28.89	40.00	-11.11	-5.10	3	Horizontal	0	1.00	-	33.99	21.11	0.90	27.11
PK	165.8M	28.39	43.50	-15.11	-10.62	3	Horizontal	0	1.00	-	39.01	15.08	1.80	27.50
PK	235.64M	28.19	46.00	-17.81	-9.03	3	Horizontal	0	1.00	-	37.22	15.98	2.10	27.11
PK	311.3M	33.23	46.00	-12.77	-6.03	3	Horizontal	0	1.00	-	39.26	18.69	2.40	27.12
PK	577.08M	38.23	46.00	-7.77	-1.18	3	Horizontal	0	1.00	-	39.41	23.91	3.29	28.38
PK	625.58M	34.41	46.00	-11.59	-0.60	3	Horizontal	0	1.00	-	35.01	24.30	3.41	28.31

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)_2TX	Pass	AV	2.4836G	50.91	54.00	-3.09	3	Horizontal	319	1.13	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.486G	50.88	54.00	-3.12	3	Horizontal	300	2.43	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	50.87	54.00	-3.13	3	Vertical	118	2.47	-
VHT20_Nss1,(MCS0)_2TX	Pass	AV	2.484G	50.86	54.00	-3.14	3	Horizontal	60	2.50	-

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)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.386G	50.28	54.00	-3.72	3	Vertical	182	2.15	-
2412MHz	Pass	AV	2.4108G	103.23	Inf	-Inf	3	Vertical	182	2.15	-
2412MHz	Pass	PK	2.3834G	61.71	74.00	-12.29	3	Vertical	182	2.15	-
2412MHz	Pass	PK	2.411G	107.33	Inf	-Inf	3	Vertical	182	2.15	-
2412MHz	Pass	AV	2.3872G	50.56	54.00	-3.44	3	Horizontal	282	2.55	-
2412MHz	Pass	AV	2.4112G	106.69	Inf	-Inf	3	Horizontal	282	2.55	-
2412MHz	Pass	PK	2.386G	61.78	74.00	-12.22	3	Horizontal	282	2.55	-
2412MHz	Pass	PK	2.411G	110.55	Inf	-Inf	3	Horizontal	282	2.55	-
2412MHz	Pass	AV	4.824G	39.61	54.00	-14.39	3	Vertical	138	1.98	-
2412MHz	Pass	PK	4.82396G	46.81	74.00	-27.19	3	Vertical	138	1.98	-
2412MHz	Pass	AV	4.82396G	35.92	54.00	-18.08	3	Horizontal	1	2.08	-
2412MHz	Pass	PK	4.82396G	44.82	74.00	-29.18	3	Horizontal	1	2.08	-
2417MHz	Pass	AV	2.39G	50.66	54.00	-3.34	3	Vertical	11	1.05	-
2417MHz	Pass	AV	2.4178G	105.80	Inf	-Inf	3	Vertical	11	1.05	-
2417MHz	Pass	PK	2.3896G	61.76	74.00	-12.24	3	Vertical	11	1.05	-
2417MHz	Pass	PK	2.418G	109.88	Inf	-Inf	3	Vertical	11	1.05	-
2417MHz	Pass	AV	2.39G	50.84	54.00	-3.16	3	Horizontal	107	1.34	-
2417MHz	Pass	AV	2.4178G	108.63	Inf	-Inf	3	Horizontal	107	1.34	-
2417MHz	Pass	PK	2.3846G	61.58	74.00	-12.42	3	Horizontal	107	1.34	-
2417MHz	Pass	PK	2.418G	112.74	Inf	-Inf	3	Horizontal	107	1.34	-
2437MHz	Pass	AV	2.3898G	49.14	54.00	-4.86	3	Vertical	36	1.85	-
2437MHz	Pass	AV	2.4382G	106.04	Inf	-Inf	3	Vertical	36	1.85	-
2437MHz	Pass	AV	2.4854G	48.52	54.00	-5.48	3	Vertical	36	1.85	-
2437MHz	Pass	PK	2.3474G	61.21	74.00	-12.79	3	Vertical	36	1.85	-
2437MHz	Pass	PK	2.4378G	110.09	Inf	-Inf	3	Vertical	36	1.85	-
2437MHz	Pass	PK	2.4878G	60.38	74.00	-13.62	3	Vertical	36	1.85	-
2437MHz	Pass	AV	2.3898G	50.52	54.00	-3.48	3	Horizontal	99	1.47	-
2437MHz	Pass	AV	2.4362G	110.16	Inf	-Inf	3	Horizontal	99	1.47	-
2437MHz	Pass	AV	2.4854G	49.56	54.00	-4.44	3	Horizontal	99	1.47	-
2437MHz	Pass	PK	2.3874G	61.11	74.00	-12.89	3	Horizontal	99	1.47	-
2437MHz	Pass	PK	2.4378G	114.13	Inf	-Inf	3	Horizontal	99	1.47	-
2437MHz	Pass	PK	2.4846G	60.24	74.00	-13.76	3	Horizontal	99	1.47	-
2437MHz	Pass	AV	4.874G	45.04	54.00	-8.96	3	Vertical	330	1.98	-
2437MHz	Pass	AV	7.31024G	45.49	54.00	-8.51	3	Vertical	81	1.85	-
2437MHz	Pass	PK	4.874G	50.31	74.00	-23.69	3	Vertical	330	1.98	-
2437MHz	Pass	PK	7.30912G	54.42	74.00	-19.58	3	Vertical	81	1.85	-
2437MHz	Pass	AV	4.874G	42.42	54.00	-11.58	3	Horizontal	196	2.14	-
2437MHz	Pass	AV	7.31008G	40.83	54.00	-13.17	3	Horizontal	334	1.91	-
2437MHz	Pass	PK	4.87406G	49.69	74.00	-24.31	3	Horizontal	196	2.14	-
2437MHz	Pass	PK	7.30912G	52.66	74.00	-21.34	3	Horizontal	334	1.91	-
2457MHz	Pass	AV	2.4562G	103.83	Inf	-Inf	3	Vertical	343	1.35	-
2457MHz	Pass	AV	2.4836G	50.08	54.00	-3.92	3	Vertical	343	1.35	-
2457MHz	Pass	PK	2.456G	107.69	Inf	-Inf	3	Vertical	343	1.35	-
2457MHz	Pass	PK	2.484G	61.38	74.00	-12.62	3	Vertical	343	1.35	-
2457MHz	Pass	AV	2.4562G	106.40	Inf	-Inf	3	Horizontal	319	1.13	-
2457MHz	Pass	AV	2.4836G	50.91	54.00	-3.09	3	Horizontal	319	1.13	-
2457MHz	Pass	PK	2.458G	110.55	Inf	-Inf	3	Horizontal	319	1.13	-
2457MHz	Pass	PK	2.4836G	61.06	74.00	-12.94	3	Horizontal	319	1.13	-
2462MHz	Pass	AV	2.4612G	104.10	Inf	-Inf	3	Vertical	342	2.17	-
2462MHz	Pass	AV	2.4835G	49.74	54.00	-4.26	3	Vertical	342	2.17	-
2462MHz	Pass	PK	2.463G	108.08	Inf	-Inf	3	Vertical	342	2.17	-
2462MHz	Pass	PK	2.4835G	60.44	74.00	-13.56	3	Vertical	342	2.17	-
2462MHz	Pass	AV	2.4612G	106.08	Inf	-Inf	3	Horizontal	320	1.13	-
2462MHz	Pass	AV	2.4835G	50.90	54.00	-3.10	3	Horizontal	320	1.13	-
2462MHz	Pass	PK	2.461G	110.44	Inf	-Inf	3	Horizontal	320	1.13	-
2462MHz	Pass	PK	2.488G	61.55	74.00	-12.45	3	Horizontal	320	1.13	-
2462MHz	Pass	AV	4.92397G	40.06	54.00	-13.94	3	Vertical	312	2.07	-
2462MHz	Pass	AV	7.38668G	38.82	54.00	-15.18	3	Vertical	26	1.88	-
2462MHz	Pass	PK	4.92415G	48.12	74.00	-25.88	3	Vertical	312	2.07	-
2462MHz	Pass	PK	7.38454G	51.35	74.00	-22.65	3	Vertical	26	1.88	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.92397G	36.16	54.00	-17.84	3	Horizontal	314	2.93	-
2462MHz	Pass	AV	7.38682G	37.66	54.00	-16.34	3	Horizontal	33	2.92	-
2462MHz	Pass	PK	4.92401G	46.49	74.00	-27.51	3	Horizontal	314	2.93	-
2462MHz	Pass	PK	7.38332G	50.65	74.00	-23.35	3	Horizontal	33	2.92	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.15	54.00	-3.85	3	Vertical	198	2.58	-
2412MHz	Pass	AV	2.4092G	96.11	Inf	-Inf	3	Vertical	198	2.58	-
2412MHz	Pass	PK	2.3896G	61.71	74.00	-12.29	3	Vertical	198	2.58	-
2412MHz	Pass	PK	2.4094G	105.66	Inf	-Inf	3	Vertical	198	2.58	-
2412MHz	Pass	AV	2.39G	50.65	54.00	-3.35	3	Horizontal	67	2.57	-
2412MHz	Pass	AV	2.411G	99.62	Inf	-Inf	3	Horizontal	67	2.57	-
2412MHz	Pass	PK	2.39G	62.72	74.00	-11.28	3	Horizontal	67	2.57	-
2412MHz	Pass	PK	2.4104G	109.25	Inf	-Inf	3	Horizontal	67	2.57	-
2412MHz	Pass	AV	4.82482G	31.59	54.00	-22.41	3	Vertical	360	2.24	-
2412MHz	Pass	PK	4.82363G	44.60	74.00	-29.40	3	Vertical	360	2.24	-
2412MHz	Pass	AV	4.82447G	31.45	54.00	-22.55	3	Horizontal	186	2.62	-
2412MHz	Pass	PK	4.82466G	45.36	74.00	-28.64	3	Horizontal	186	2.62	-
2417MHz	Pass	AV	2.3888G	50.72	54.00	-3.28	3	Vertical	243	2.34	-
2417MHz	Pass	AV	2.4142G	99.55	Inf	-Inf	3	Vertical	243	2.34	-
2417MHz	Pass	PK	2.389G	64.47	74.00	-9.53	3	Vertical	243	2.34	-
2417MHz	Pass	PK	2.4144G	109.43	Inf	-Inf	3	Vertical	243	2.34	-
2417MHz	Pass	AV	2.39G	50.71	54.00	-3.29	3	Horizontal	314	2.06	-
2417MHz	Pass	AV	2.416G	99.62	Inf	-Inf	3	Horizontal	314	2.06	-
2417MHz	Pass	PK	2.388G	64.23	74.00	-9.77	3	Horizontal	314	2.06	-
2417MHz	Pass	PK	2.4214G	109.98	Inf	-Inf	3	Horizontal	314	2.06	-
2437MHz	Pass	AV	2.3874G	49.85	54.00	-4.15	3	Vertical	58	1.50	-
2437MHz	Pass	AV	2.439G	100.26	Inf	-Inf	3	Vertical	58	1.50	-
2437MHz	Pass	AV	2.4835G	49.73	54.00	-4.27	3	Vertical	58	1.50	-
2437MHz	Pass	PK	2.3622G	61.46	74.00	-12.54	3	Vertical	58	1.50	-
2437MHz	Pass	PK	2.4386G	109.82	Inf	-Inf	3	Vertical	58	1.50	-
2437MHz	Pass	PK	2.4835G	61.68	74.00	-12.32	3	Vertical	58	1.50	-
2437MHz	Pass	AV	2.3878G	50.85	54.00	-3.15	3	Horizontal	69	2.52	-
2437MHz	Pass	AV	2.4362G	103.08	Inf	-Inf	3	Horizontal	69	2.52	-
2437MHz	Pass	AV	2.4835G	50.21	54.00	-3.79	3	Horizontal	69	2.52	-
2437MHz	Pass	PK	2.3882G	62.16	74.00	-11.84	3	Horizontal	69	2.52	-
2437MHz	Pass	PK	2.4414G	112.69	Inf	-Inf	3	Horizontal	69	2.52	-
2437MHz	Pass	PK	2.4846G	61.89	74.00	-12.11	3	Horizontal	69	2.52	-
2437MHz	Pass	AV	4.87666G	34.01	54.00	-19.99	3	Vertical	5	2.01	-
2437MHz	Pass	AV	7.31096G	38.89	54.00	-15.11	3	Vertical	80	1.81	-
2437MHz	Pass	PK	4.87156G	46.98	74.00	-27.02	3	Vertical	5	2.01	-
2437MHz	Pass	PK	7.31956G	51.73	74.00	-22.27	3	Vertical	80	1.81	-
2437MHz	Pass	AV	4.8719G	32.61	54.00	-21.39	3	Horizontal	268	2.09	-
2437MHz	Pass	AV	7.31534G	37.91	54.00	-16.09	3	Horizontal	226	1.50	-
2437MHz	Pass	PK	4.87592G	45.31	74.00	-28.69	3	Horizontal	268	2.09	-
2437MHz	Pass	PK	7.3115G	50.80	74.00	-23.20	3	Horizontal	226	1.50	-
2457MHz	Pass	AV	2.4642G	97.74	Inf	-Inf	3	Vertical	261	2.08	-
2457MHz	Pass	AV	2.4848G	49.38	54.00	-4.62	3	Vertical	261	2.08	-
2457MHz	Pass	PK	2.4644G	107.44	Inf	-Inf	3	Vertical	261	2.08	-
2457MHz	Pass	PK	2.4848G	61.61	74.00	-12.39	3	Vertical	261	2.08	-
2457MHz	Pass	AV	2.4616G	100.35	Inf	-Inf	3	Horizontal	300	2.43	-
2457MHz	Pass	AV	2.486G	50.88	54.00	-3.12	3	Horizontal	300	2.43	-
2457MHz	Pass	PK	2.4614G	110.36	Inf	-Inf	3	Horizontal	300	2.43	-
2457MHz	Pass	PK	2.484G	63.95	74.00	-10.05	3	Horizontal	300	2.43	-
2462MHz	Pass	AV	2.4664G	96.76	Inf	-Inf	3	Vertical	181	2.18	-
2462MHz	Pass	AV	2.4835G	50.05	54.00	-3.95	3	Vertical	181	2.18	-
2462MHz	Pass	PK	2.4664G	105.86	Inf	-Inf	3	Vertical	181	2.18	-
2462MHz	Pass	PK	2.4864G	62.08	74.00	-11.92	3	Vertical	181	2.18	-
2462MHz	Pass	AV	2.4562G	100.45	Inf	-Inf	3	Horizontal	254	2.72	-
2462MHz	Pass	AV	2.4866G	50.85	54.00	-3.15	3	Horizontal	254	2.72	-
2462MHz	Pass	PK	2.4664G	110.33	Inf	-Inf	3	Horizontal	254	2.72	-
2462MHz	Pass	PK	2.4856G	62.09	74.00	-11.91	3	Horizontal	254	2.72	-
2462MHz	Pass	AV	4.92676G	32.46	54.00	-21.54	3	Vertical	188	2.09	-

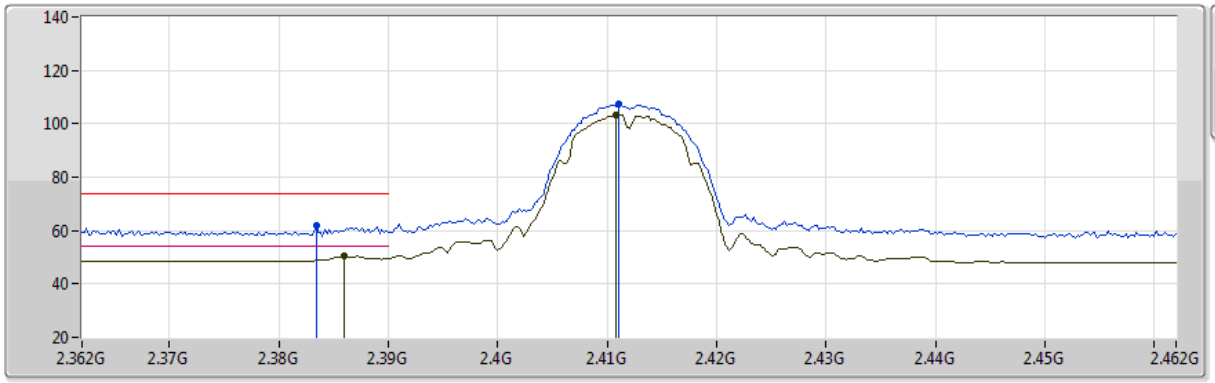
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	7.386G	37.98	54.00	-16.02	3	Vertical	264	2.11	-
2462MHz	Pass	PK	4.92264G	45.72	74.00	-28.28	3	Vertical	188	2.09	-
2462MHz	Pass	PK	7.3922G	51.30	74.00	-22.70	3	Vertical	264	2.11	-
2462MHz	Pass	AV	4.92412G	31.81	54.00	-22.19	3	Horizontal	216	2.32	-
2462MHz	Pass	AV	7.38396G	37.77	54.00	-16.23	3	Horizontal	36	2.51	-
2462MHz	Pass	PK	4.931G	45.02	74.00	-28.98	3	Horizontal	216	2.32	-
2462MHz	Pass	PK	7.3922G	50.77	74.00	-23.23	3	Horizontal	36	2.51	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	49.98	54.00	-4.02	3	Vertical	32	1.04	-
2412MHz	Pass	AV	2.4174G	88.85	Inf	-Inf	3	Vertical	32	1.04	-
2412MHz	Pass	PK	2.3898G	63.92	74.00	-10.08	3	Vertical	32	1.04	-
2412MHz	Pass	PK	2.4176G	100.94	Inf	-Inf	3	Vertical	32	1.04	-
2412MHz	Pass	AV	2.3888G	50.44	54.00	-3.56	3	Horizontal	299	2.29	-
2412MHz	Pass	AV	2.4166G	91.32	Inf	-Inf	3	Horizontal	299	2.29	-
2412MHz	Pass	PK	2.3884G	64.66	74.00	-9.34	3	Horizontal	299	2.29	-
2412MHz	Pass	PK	2.417G	104.05	Inf	-Inf	3	Horizontal	299	2.29	-
2412MHz	Pass	AV	4.82032G	30.54	54.00	-23.46	3	Vertical	186	2.68	-
2412MHz	Pass	PK	4.81476G	45.13	74.00	-28.87	3	Vertical	186	2.68	-
2412MHz	Pass	AV	4.82108G	30.17	54.00	-23.83	3	Horizontal	82	1.50	-
2412MHz	Pass	PK	4.82116G	44.27	74.00	-29.73	3	Horizontal	82	1.50	-
2417MHz	Pass	AV	2.3898G	50.26	54.00	-3.74	3	Vertical	215	2.28	-
2417MHz	Pass	AV	2.4148G	96.24	Inf	-Inf	3	Vertical	215	2.28	-
2417MHz	Pass	PK	2.3854G	61.28	74.00	-12.72	3	Vertical	215	2.28	-
2417MHz	Pass	PK	2.4126G	106.53	Inf	-Inf	3	Vertical	215	2.28	-
2417MHz	Pass	AV	2.389G	50.67	54.00	-3.33	3	Horizontal	300	2.33	-
2417MHz	Pass	AV	2.4218G	97.32	Inf	-Inf	3	Horizontal	300	2.33	-
2417MHz	Pass	PK	2.3898G	62.78	74.00	-11.22	3	Horizontal	300	2.33	-
2417MHz	Pass	PK	2.422G	108.10	Inf	-Inf	3	Horizontal	300	2.33	-
2437MHz	Pass	AV	2.387G	48.43	54.00	-5.57	3	Vertical	209	1.51	-
2437MHz	Pass	AV	2.4398G	94.05	Inf	-Inf	3	Vertical	209	1.51	-
2437MHz	Pass	AV	2.4842G	48.26	54.00	-5.74	3	Vertical	209	1.51	-
2437MHz	Pass	PK	2.3714G	62.20	74.00	-11.80	3	Vertical	209	1.51	-
2437MHz	Pass	PK	2.4402G	106.50	Inf	-Inf	3	Vertical	209	1.51	-
2437MHz	Pass	PK	2.4842G	60.08	74.00	-13.92	3	Vertical	209	1.51	-
2437MHz	Pass	AV	2.3898G	48.76	54.00	-5.24	3	Horizontal	303	1.02	-
2437MHz	Pass	AV	2.439G	94.70	Inf	-Inf	3	Horizontal	303	1.02	-
2437MHz	Pass	AV	2.4838G	48.20	54.00	-5.80	3	Horizontal	303	1.02	-
2437MHz	Pass	PK	2.3578G	60.82	74.00	-13.18	3	Horizontal	303	1.02	-
2437MHz	Pass	PK	2.439G	108.27	Inf	-Inf	3	Horizontal	303	1.02	-
2437MHz	Pass	PK	2.4946G	60.02	74.00	-13.98	3	Horizontal	303	1.02	-
2437MHz	Pass	AV	4.8754G	31.99	54.00	-22.01	3	Vertical	181	2.50	-
2437MHz	Pass	AV	7.312G	36.89	54.00	-17.11	3	Vertical	189	2.93	-
2437MHz	Pass	PK	4.87048G	45.93	74.00	-28.07	3	Vertical	181	2.50	-
2437MHz	Pass	PK	7.31592G	50.99	74.00	-23.01	3	Vertical	189	2.93	-
2437MHz	Pass	AV	4.87548G	31.13	54.00	-22.87	3	Horizontal	96	2.73	-
2437MHz	Pass	AV	7.31432G	36.82	54.00	-17.18	3	Horizontal	146	1.50	-
2437MHz	Pass	PK	4.87104G	44.88	74.00	-29.12	3	Horizontal	96	2.73	-
2437MHz	Pass	PK	7.31384G	50.56	74.00	-23.44	3	Horizontal	146	1.50	-
2457MHz	Pass	AV	2.4606G	97.45	Inf	-Inf	3	Vertical	118	2.47	-
2457MHz	Pass	AV	2.4835G	50.87	54.00	-3.13	3	Vertical	118	2.47	-
2457MHz	Pass	PK	2.4594G	107.09	Inf	-Inf	3	Vertical	118	2.47	-
2457MHz	Pass	PK	2.4862G	62.42	74.00	-11.58	3	Vertical	118	2.47	-
2457MHz	Pass	AV	2.4618G	97.27	Inf	-Inf	3	Horizontal	153	1.14	-
2457MHz	Pass	AV	2.4842G	50.60	54.00	-3.40	3	Horizontal	153	1.14	-
2457MHz	Pass	PK	2.464G	107.19	Inf	-Inf	3	Horizontal	153	1.14	-
2457MHz	Pass	PK	2.4842G	62.75	74.00	-11.25	3	Horizontal	153	1.14	-
2462MHz	Pass	AV	2.466G	92.15	Inf	-Inf	3	Vertical	118	2.37	-
2462MHz	Pass	AV	2.4835G	50.74	54.00	-3.26	3	Vertical	118	2.37	-
2462MHz	Pass	PK	2.4682G	101.76	Inf	-Inf	3	Vertical	118	2.37	-
2462MHz	Pass	PK	2.4854G	62.67	74.00	-11.33	3	Vertical	118	2.37	-
2462MHz	Pass	AV	2.4674G	93.28	Inf	-Inf	3	Horizontal	137	2.73	-
2462MHz	Pass	AV	2.4844G	50.17	54.00	-3.83	3	Horizontal	137	2.73	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.467G	103.41	Inf	-Inf	3	Horizontal	137	2.73	-
2462MHz	Pass	PK	2.4844G	63.19	74.00	-10.81	3	Horizontal	137	2.73	-
2462MHz	Pass	AV	4.9182G	30.92	54.00	-23.08	3	Vertical	178	1.21	-
2462MHz	Pass	AV	7.39488G	37.47	54.00	-16.53	3	Vertical	248	1.00	-
2462MHz	Pass	PK	4.92276G	44.39	74.00	-29.61	3	Vertical	178	1.21	-
2462MHz	Pass	PK	7.3876G	50.60	74.00	-23.40	3	Vertical	248	1.00	-
2462MHz	Pass	AV	4.91668G	30.92	54.00	-23.08	3	Horizontal	134	1.50	-
2462MHz	Pass	AV	7.38244G	37.49	54.00	-16.51	3	Horizontal	54	1.50	-
2462MHz	Pass	PK	4.92836G	43.76	74.00	-30.24	3	Horizontal	134	1.50	-
2462MHz	Pass	PK	7.39516G	50.42	74.00	-23.58	3	Horizontal	54	1.50	-
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	49.61	54.00	-4.39	3	Vertical	38	1.63	-
2412MHz	Pass	AV	2.42G	87.90	Inf	-Inf	3	Vertical	38	1.63	-
2412MHz	Pass	PK	2.39G	61.75	74.00	-12.25	3	Vertical	38	1.63	-
2412MHz	Pass	PK	2.42G	97.29	Inf	-Inf	3	Vertical	38	1.63	-
2412MHz	Pass	AV	2.39G	50.38	54.00	-3.62	3	Horizontal	78	1.06	-
2412MHz	Pass	AV	2.4192G	91.53	Inf	-Inf	3	Horizontal	78	1.06	-
2412MHz	Pass	PK	2.3882G	62.28	74.00	-11.72	3	Horizontal	78	1.06	-
2412MHz	Pass	PK	2.419G	101.85	Inf	-Inf	3	Horizontal	78	1.06	-
2412MHz	Pass	AV	4.82776G	31.77	54.00	-22.23	3	Vertical	331	1.50	-
2412MHz	Pass	PK	4.81548G	44.55	74.00	-29.45	3	Vertical	331	1.50	-
2412MHz	Pass	AV	4.83364G	31.64	54.00	-22.36	3	Horizontal	9	1.50	-
2412MHz	Pass	PK	4.81572G	44.27	74.00	-29.73	3	Horizontal	9	1.50	-
2417MHz	Pass	AV	2.39G	49.82	54.00	-4.18	3	Vertical	59	1.58	-
2417MHz	Pass	AV	2.4254G	93.25	Inf	-Inf	3	Vertical	59	1.58	-
2417MHz	Pass	PK	2.385G	60.71	74.00	-13.29	3	Vertical	59	1.58	-
2417MHz	Pass	PK	2.4252G	102.80	Inf	-Inf	3	Vertical	59	1.58	-
2417MHz	Pass	AV	2.3882G	50.69	54.00	-3.31	3	Horizontal	79	1.00	-
2417MHz	Pass	AV	2.4214G	97.36	Inf	-Inf	3	Horizontal	79	1.00	-
2417MHz	Pass	PK	2.3884G	62.81	74.00	-11.19	3	Horizontal	79	1.00	-
2417MHz	Pass	PK	2.4188G	107.80	Inf	-Inf	3	Horizontal	79	1.00	-
2437MHz	Pass	AV	2.3874G	49.69	54.00	-4.31	3	Vertical	61	1.97	-
2437MHz	Pass	AV	2.4306G	99.24	Inf	-Inf	3	Vertical	61	1.97	-
2437MHz	Pass	AV	2.4838G	49.03	54.00	-4.97	3	Vertical	61	1.97	-
2437MHz	Pass	PK	2.3794G	60.72	74.00	-13.28	3	Vertical	61	1.97	-
2437MHz	Pass	PK	2.435G	108.53	Inf	-Inf	3	Vertical	61	1.97	-
2437MHz	Pass	PK	2.489G	60.06	74.00	-13.94	3	Vertical	61	1.97	-
2437MHz	Pass	AV	2.3886G	50.66	54.00	-3.34	3	Horizontal	81	1.00	-
2437MHz	Pass	AV	2.4418G	103.14	Inf	-Inf	3	Horizontal	81	1.00	-
2437MHz	Pass	AV	2.4842G	50.37	54.00	-3.63	3	Horizontal	81	1.00	-
2437MHz	Pass	PK	2.3886G	61.67	74.00	-12.33	3	Horizontal	81	1.00	-
2437MHz	Pass	PK	2.4438G	113.28	Inf	-Inf	3	Horizontal	81	1.00	-
2437MHz	Pass	PK	2.487G	61.73	74.00	-12.27	3	Horizontal	81	1.00	-
2437MHz	Pass	AV	4.87532G	34.29	54.00	-19.71	3	Vertical	193	2.48	-
2437MHz	Pass	AV	7.31604G	38.87	54.00	-15.13	3	Vertical	278	1.76	-
2437MHz	Pass	PK	4.8754G	47.75	74.00	-26.25	3	Vertical	193	2.48	-
2437MHz	Pass	PK	7.31116G	52.72	74.00	-21.28	3	Vertical	278	1.76	-
2437MHz	Pass	AV	4.87824G	32.47	54.00	-21.53	3	Horizontal	85	2.24	-
2437MHz	Pass	AV	7.3114G	38.38	54.00	-15.62	3	Horizontal	153	2.23	-
2437MHz	Pass	PK	4.87236G	45.74	74.00	-28.26	3	Horizontal	85	2.24	-
2437MHz	Pass	PK	7.31532G	51.13	74.00	-22.87	3	Horizontal	153	2.23	-
2457MHz	Pass	AV	2.4594G	94.80	Inf	-Inf	3	Vertical	344	2.81	-
2457MHz	Pass	AV	2.4838G	49.66	54.00	-4.34	3	Vertical	344	2.81	-
2457MHz	Pass	PK	2.4618G	104.44	Inf	-Inf	3	Vertical	344	2.81	-
2457MHz	Pass	PK	2.4864G	61.25	74.00	-12.75	3	Vertical	344	2.81	-
2457MHz	Pass	AV	2.4594G	98.12	Inf	-Inf	3	Horizontal	60	2.50	-
2457MHz	Pass	AV	2.484G	50.86	54.00	-3.14	3	Horizontal	60	2.50	-
2457MHz	Pass	PK	2.4516G	108.39	Inf	-Inf	3	Horizontal	60	2.50	-
2457MHz	Pass	PK	2.4842G	62.25	74.00	-11.75	3	Horizontal	60	2.50	-
2462MHz	Pass	AV	2.4584G	88.41	Inf	-Inf	3	Vertical	259	1.94	-
2462MHz	Pass	AV	2.4835G	49.25	54.00	-4.75	3	Vertical	259	1.94	-
2462MHz	Pass	PK	2.4558G	98.15	Inf	-Inf	3	Vertical	259	1.94	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4835G	62.58	74.00	-11.42	3	Vertical	259	1.94	-
2462MHz	Pass	AV	2.4692G	93.49	Inf	-Inf	3	Horizontal	66	2.72	-
2462MHz	Pass	AV	2.4836G	50.52	54.00	-3.48	3	Horizontal	66	2.72	-
2462MHz	Pass	PK	2.469G	103.52	Inf	-Inf	3	Horizontal	66	2.72	-
2462MHz	Pass	PK	2.4838G	63.14	74.00	-10.86	3	Horizontal	66	2.72	-
2462MHz	Pass	AV	4.92948G	31.65	54.00	-22.35	3	Vertical	302	1.50	-
2462MHz	Pass	AV	7.39416G	37.97	54.00	-16.03	3	Vertical	279	1.39	-
2462MHz	Pass	PK	4.91508G	44.97	74.00	-29.03	3	Vertical	302	1.50	-
2462MHz	Pass	PK	7.39084G	50.99	74.00	-23.01	3	Vertical	279	1.39	-
2462MHz	Pass	AV	4.92588G	31.48	54.00	-22.52	3	Horizontal	185	3.00	-
2462MHz	Pass	AV	7.38292G	37.92	54.00	-16.08	3	Horizontal	265	1.50	-
2462MHz	Pass	PK	4.91984G	44.07	74.00	-29.93	3	Horizontal	185	3.00	-
2462MHz	Pass	PK	7.38548G	50.77	74.00	-23.23	3	Horizontal	265	1.50	-

802.11b_Nss1,(1Mbps)_2TX

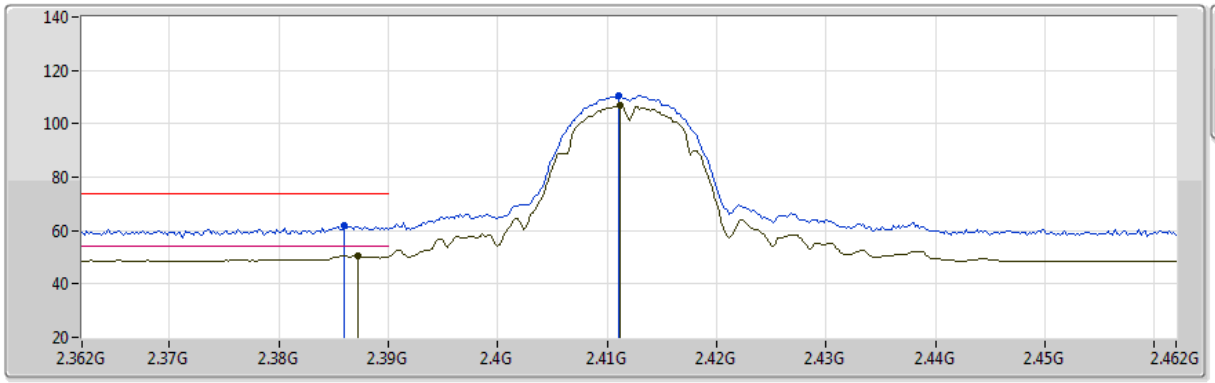
2412MHz_TX



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	2.386G	50.28	54.00	-3.72	36.01	3	Vertical	182	2.15	-	14.27	27.73	8.28	-
AV	2.4108G	103.23	Inf	-Inf	35.94	3	Vertical	182	2.15	-	67.29	27.64	8.30	-
PK	2.3834G	61.71	74.00	-12.29	36.01	3	Vertical	182	2.15	-	25.70	27.73	8.28	-
PK	2.411G	107.33	Inf	-Inf	35.93	3	Vertical	182	2.15	-	71.40	27.63	8.30	-

802.11b_Nss1,(1Mbps)_2TX

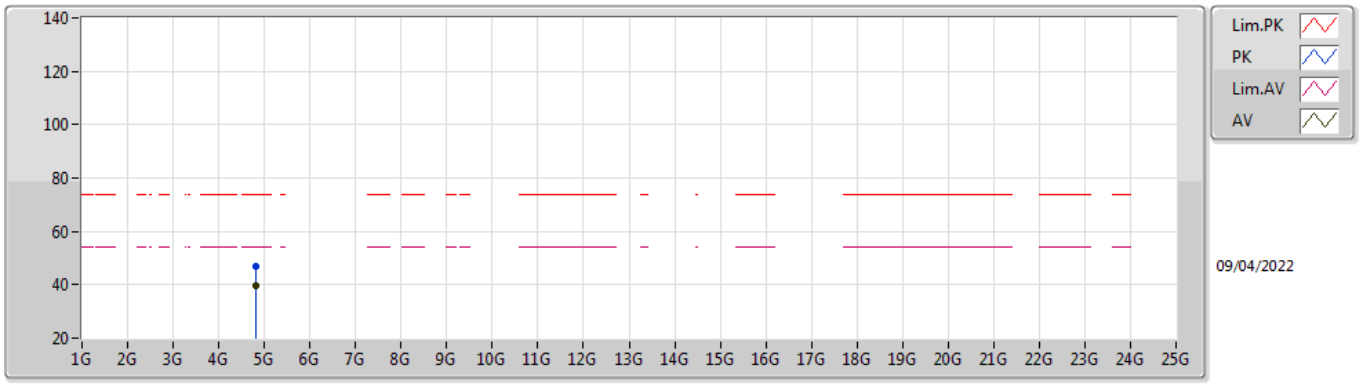
2412MHz_TX



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	2.3872G	50.56	54.00	-3.44	36.01	3	Horizontal	282	2.55	-	14.55	27.73	8.28	-
AV	2.4112G	106.69	Inf	-Inf	35.93	3	Horizontal	282	2.55	-	70.76	27.63	8.30	-
PK	2.386G	61.78	74.00	-12.22	36.01	3	Horizontal	282	2.55	-	25.77	27.73	8.28	-
PK	2.411G	110.55	Inf	-Inf	35.93	3	Horizontal	282	2.55	-	74.62	27.63	8.30	-

802.11b_Nss1,(1Mbps)_2TX

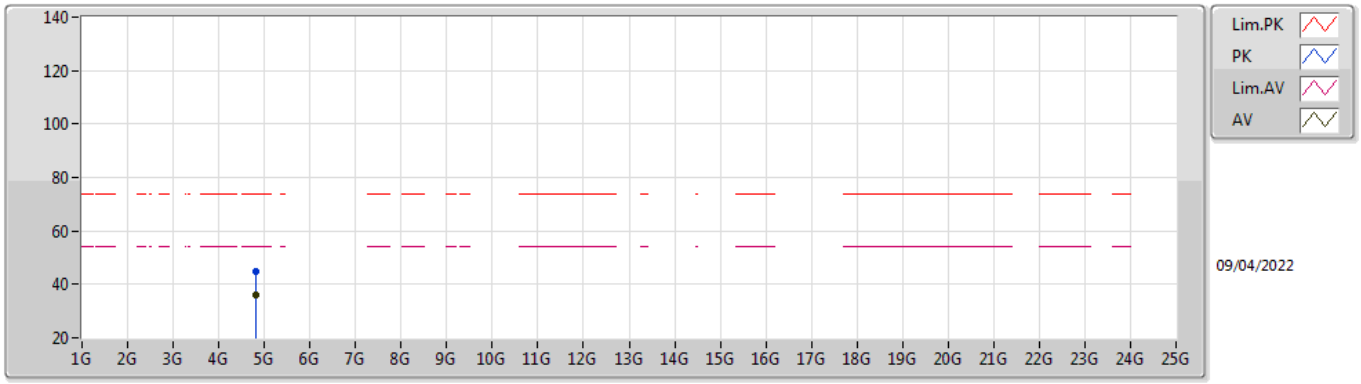
2412MHz_TX



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	4.824G	39.61	54.00	-14.39	6.65	3	Vertical	138	1.98	-	32.96	31.15	9.68	34.18
PK	4.82396G	46.81	74.00	-27.19	6.65	3	Vertical	138	1.98	-	40.16	31.15	9.68	34.18

802.11b_Nss1,(1Mbps)_2TX

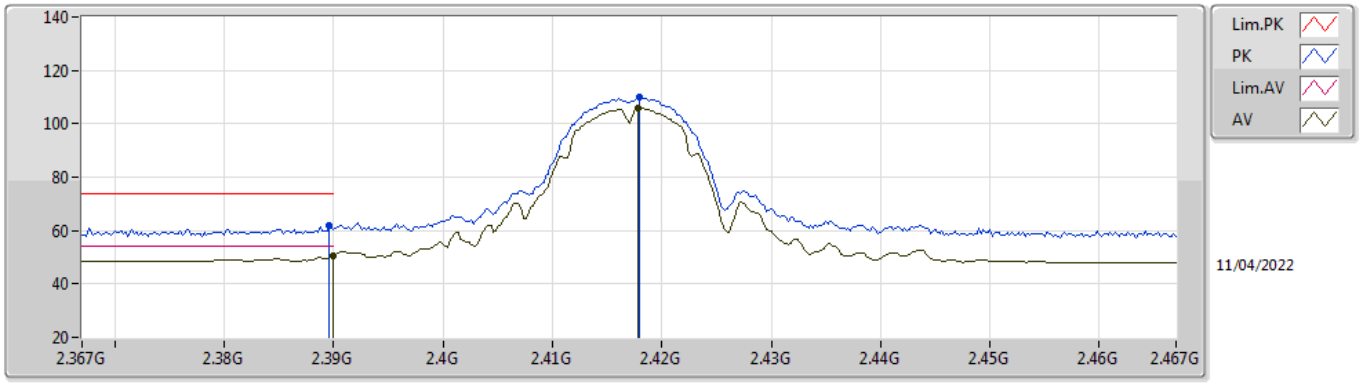
2412MHz_TX



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	4.82396G	35.92	54.00	-18.08	6.65	3	Horizontal	1	2.08	-	29.27	31.15	9.68	34.18
PK	4.82396G	44.82	74.00	-29.18	6.65	3	Horizontal	1	2.08	-	38.17	31.15	9.68	34.18

802.11b_Nss1,(1Mbps)_2TX

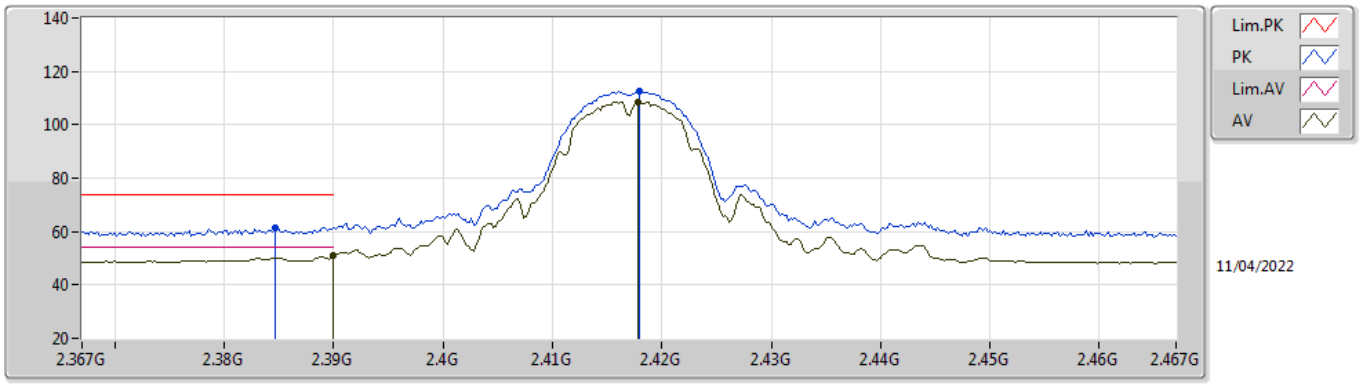
2417MHz_TX



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	50.66	54.00	-3.34	36.00	3	Vertical	11	1.05	-	14.66	27.72	8.28	-
AV	2.4178G	105.80	Inf	-Inf	35.89	3	Vertical	11	1.05	-	69.91	27.59	8.30	-
PK	2.3896G	61.76	74.00	-12.24	36.00	3	Vertical	11	1.05	-	25.76	27.72	8.28	-
PK	2.418G	109.88	Inf	-Inf	35.89	3	Vertical	11	1.05	-	73.99	27.59	8.30	-

802.11b_Nss1,(1Mbps)_2TX

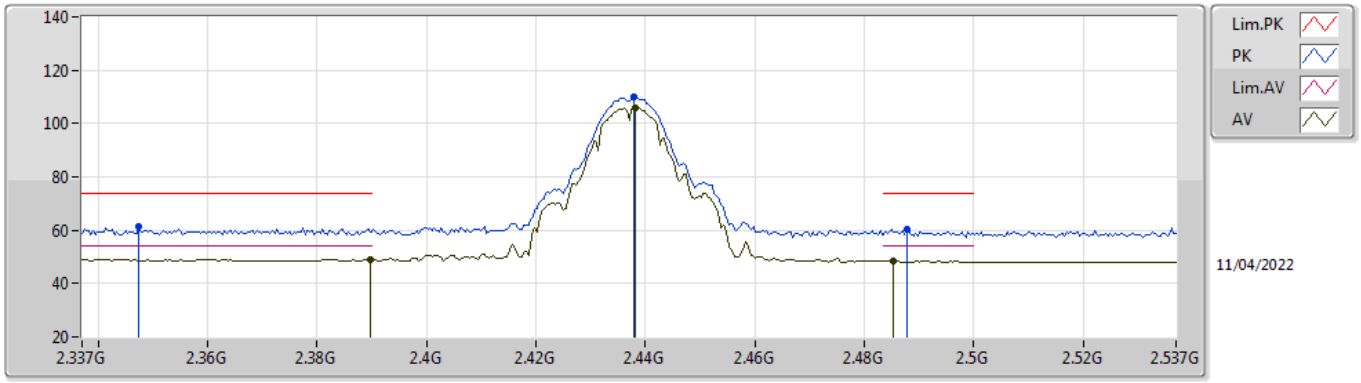
2417MHz_TX



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	50.84	54.00	-3.16	36.00	3	Horizontal	107	1.34	-	14.84	27.72	8.28	-
AV	2.4178G	108.63	Inf	-Inf	35.89	3	Horizontal	107	1.34	-	72.74	27.59	8.30	-
PK	2.3846G	61.58	74.00	-12.42	36.01	3	Horizontal	107	1.34	-	25.57	27.73	8.28	-
PK	2.418G	112.74	Inf	-Inf	35.89	3	Horizontal	107	1.34	-	76.85	27.59	8.30	-

802.11b_Nss1,(1Mbps)_2TX

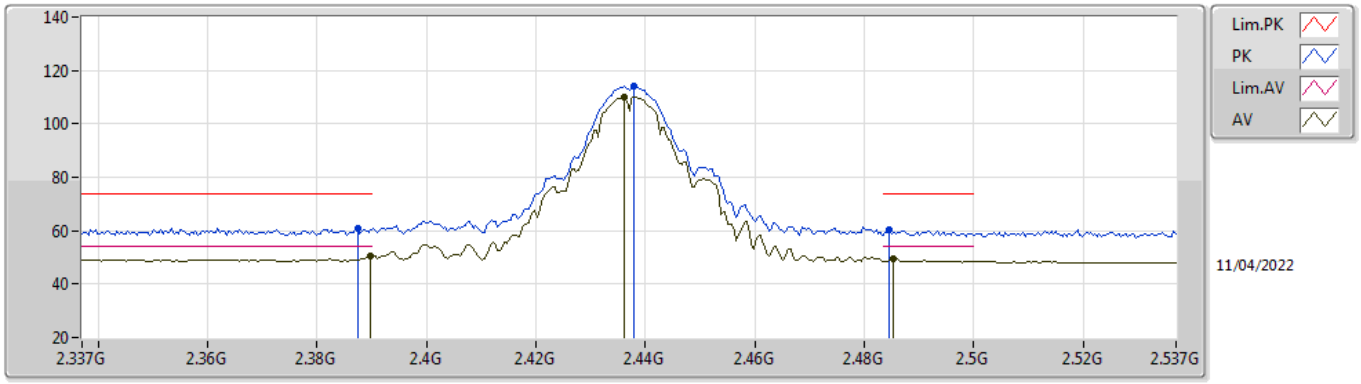
2437MHz_TX



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	2.3898G	49.14	54.00	-4.86	36.00	3	Vertical	36	1.85	-	13.14	27.72	8.28	-
AV	2.4382G	106.04	Inf	-Inf	35.78	3	Vertical	36	1.85	-	70.26	27.47	8.31	-
AV	2.4854G	48.52	54.00	-5.48	35.75	3	Vertical	36	1.85	-	12.77	27.40	8.35	-
PK	2.3474G	61.21	74.00	-12.79	36.06	3	Vertical	36	1.85	-	25.15	27.81	8.25	-
PK	2.4378G	110.09	Inf	-Inf	35.78	3	Vertical	36	1.85	-	74.31	27.47	8.31	-
PK	2.4878G	60.38	74.00	-13.62	35.75	3	Vertical	36	1.85	-	24.63	27.40	8.35	-

802.11b_Nss1,(1Mbps)_2TX

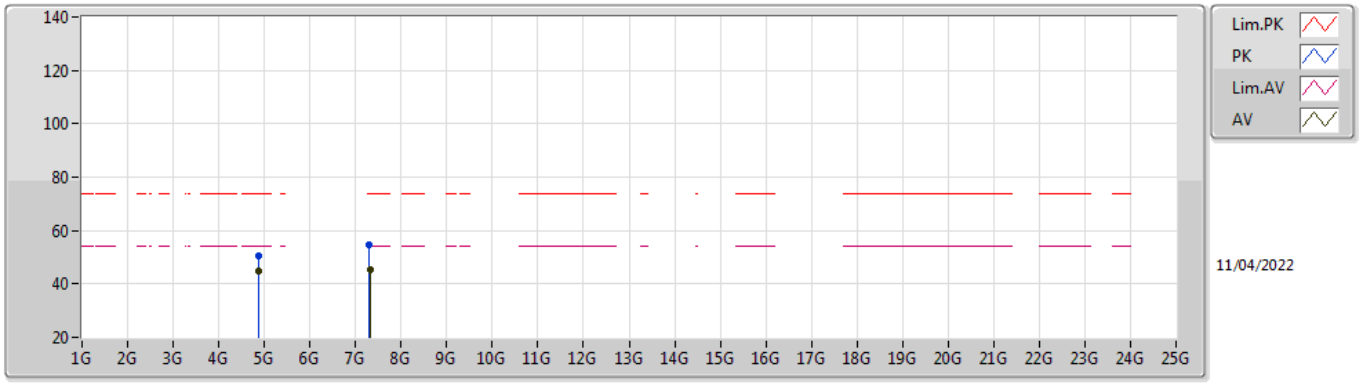
2437MHz_TX



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	2.3898G	50.52	54.00	-3.48	36.00	3	Horizontal	99	1.47	-	14.52	27.72	8.28	-
AV	2.4362G	110.16	Inf	-Inf	35.79	3	Horizontal	99	1.47	-	74.37	27.48	8.31	-
AV	2.4854G	49.56	54.00	-4.44	35.75	3	Horizontal	99	1.47	-	13.81	27.40	8.35	-
PK	2.3874G	61.11	74.00	-12.89	36.01	3	Horizontal	99	1.47	-	25.10	27.73	8.28	-
PK	2.4378G	114.13	Inf	-Inf	35.78	3	Horizontal	99	1.47	-	78.35	27.47	8.31	-
PK	2.4846G	60.24	74.00	-13.76	35.74	3	Horizontal	99	1.47	-	24.50	27.40	8.34	-

802.11b_Nss1,(1Mbps)_2TX

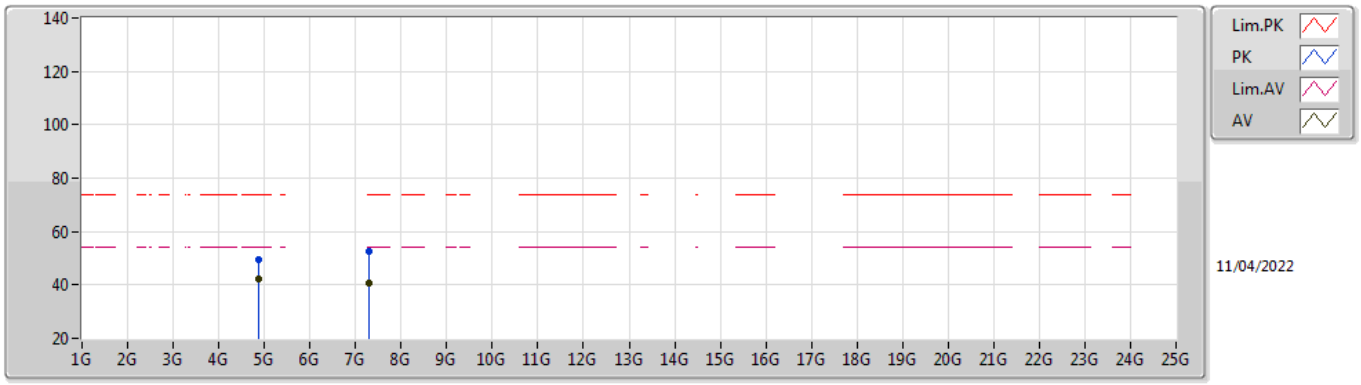
2437MHz_TX



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	45.04	54.00	-8.96	6.74	3	Vertical	330	1.98	-	38.30	31.20	9.70	34.16
AV	7.31024G	45.49	54.00	-8.51	13.20	3	Vertical	81	1.85	-	32.29	36.38	11.32	34.50
PK	4.874G	50.31	74.00	-23.69	6.74	3	Vertical	330	1.98	-	43.57	31.20	9.70	34.16
PK	7.30912G	54.42	74.00	-19.58	13.20	3	Vertical	81	1.85	-	41.22	36.38	11.32	34.50

802.11b_Nss1,(1Mbps)_2TX

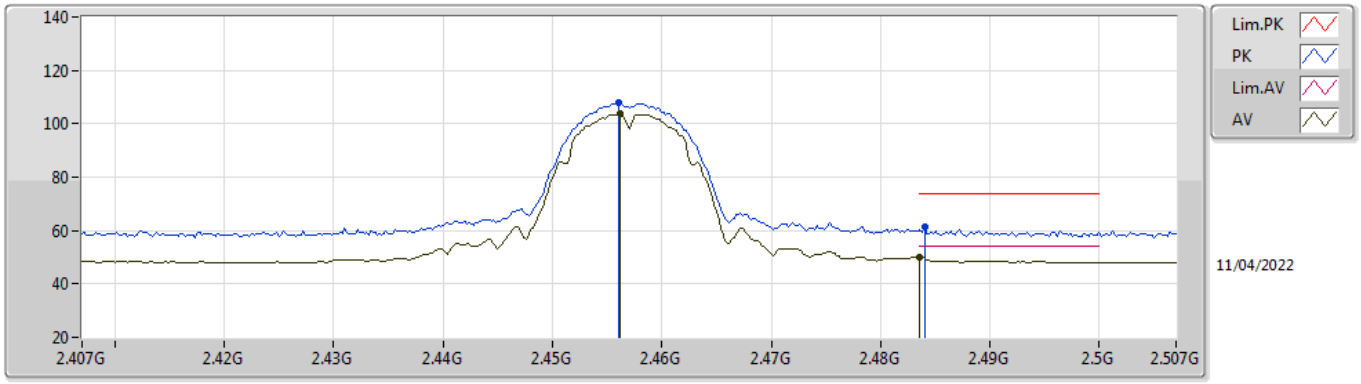
2437MHz_TX



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	42.42	54.00	-11.58	6.74	3	Horizontal	196	2.14	-	35.68	31.20	9.70	34.16
AV	7.31008G	40.83	54.00	-13.17	13.20	3	Horizontal	334	1.91	-	27.63	36.38	11.32	34.50
PK	4.87406G	49.69	74.00	-24.31	6.74	3	Horizontal	196	2.14	-	42.95	31.20	9.70	34.16
PK	7.30912G	52.66	74.00	-21.34	13.20	3	Horizontal	334	1.91	-	39.46	36.38	11.32	34.50

802.11b_Nss1,(1Mbps)_2TX

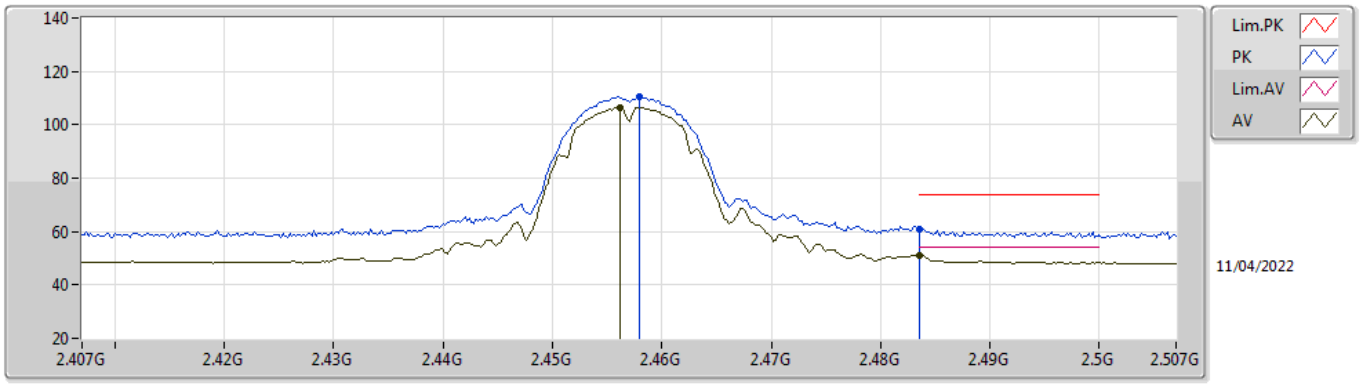
2457MHz_TX



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	2.4562G	103.83	Inf	-Inf	35.73	3	Vertical	343	1.35	-	68.10	27.40	8.33	-
AV	2.4836G	50.08	54.00	-3.92	35.74	3	Vertical	343	1.35	-	14.34	27.40	8.34	-
PK	2.456G	107.69	Inf	-Inf	35.73	3	Vertical	343	1.35	-	71.96	27.40	8.33	-
PK	2.484G	61.38	74.00	-12.62	35.74	3	Vertical	343	1.35	-	25.64	27.40	8.34	-

802.11b_Nss1,(1Mbps)_2TX

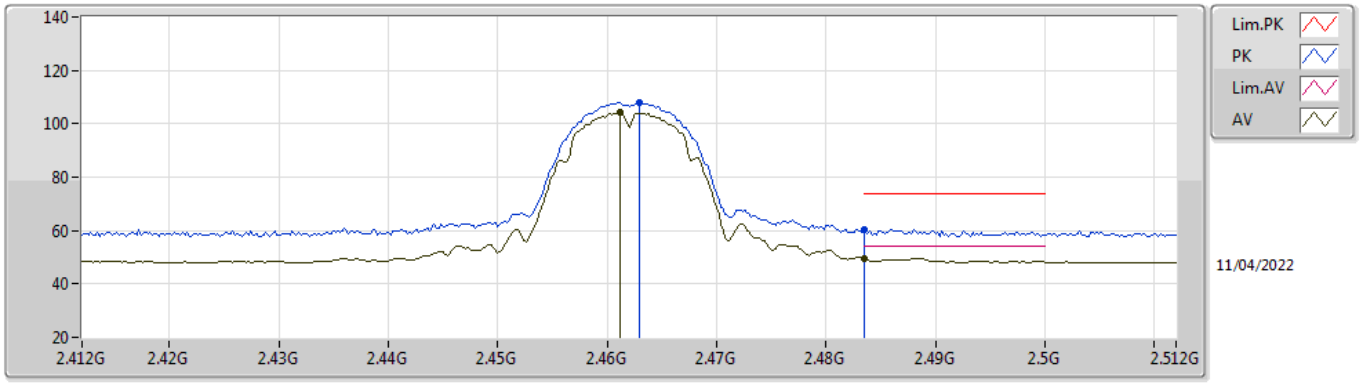
2457MHz_TX



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	2.4562G	106.40	Inf	-Inf	35.73	3	Horizontal	319	1.13	-	70.67	27.40	8.33	-
AV	2.4836G	50.91	54.00	-3.09	35.74	3	Horizontal	319	1.13	-	15.17	27.40	8.34	-
PK	2.458G	110.55	Inf	-Inf	35.73	3	Horizontal	319	1.13	-	74.82	27.40	8.33	-
PK	2.4836G	61.06	74.00	-12.94	35.74	3	Horizontal	319	1.13	-	25.32	27.40	8.34	-

802.11b_Nss1,(1Mbps)_2TX

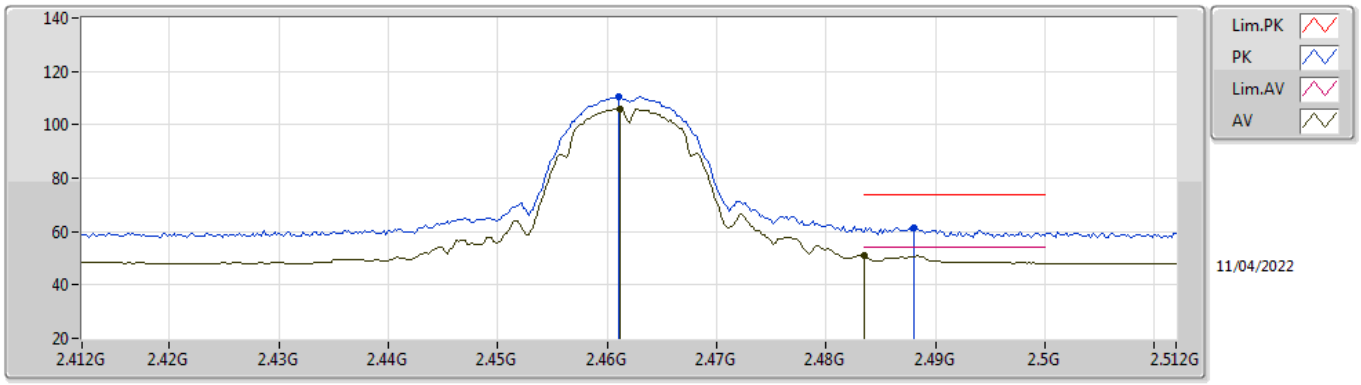
2462MHz_TX



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	104.10	Inf	-Inf	35.73	3	Vertical	342	2.17	-	68.37	27.40	8.33	-
AV	2.4835G	49.74	54.00	-4.26	35.74	3	Vertical	342	2.17	-	14.00	27.40	8.34	-
PK	2.463G	108.08	Inf	-Inf	35.73	3	Vertical	342	2.17	-	72.35	27.40	8.33	-
PK	2.4835G	60.44	74.00	-13.56	35.74	3	Vertical	342	2.17	-	24.70	27.40	8.34	-

802.11b_Nss1,(1Mbps)_2TX

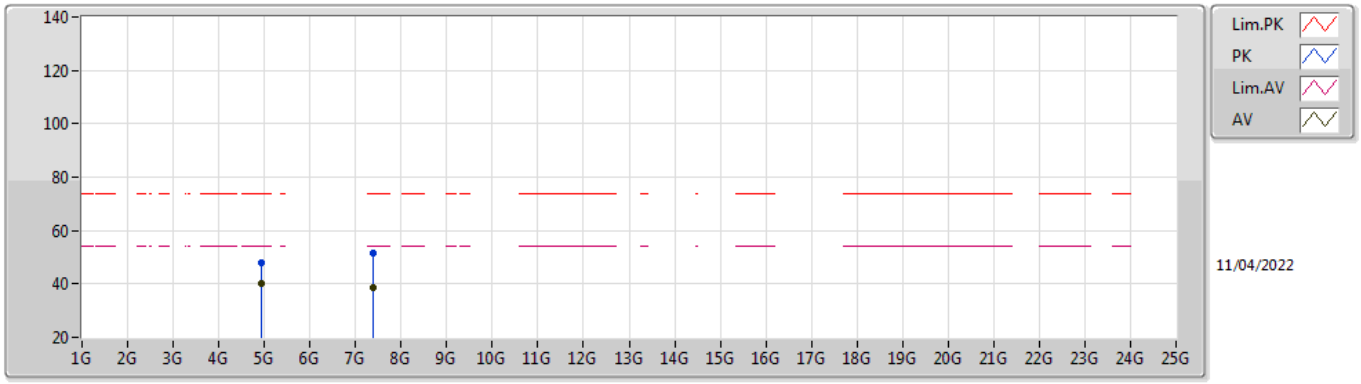
2462MHz_TX



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	106.08	Inf	-Inf	35.73	3	Horizontal	320	1.13	-	70.35	27.40	8.33	-
AV	2.4835G	50.90	54.00	-3.10	35.74	3	Horizontal	320	1.13	-	15.16	27.40	8.34	-
PK	2.461G	110.44	Inf	-Inf	35.73	3	Horizontal	320	1.13	-	74.71	27.40	8.33	-
PK	2.488G	61.55	74.00	-12.45	35.75	3	Horizontal	320	1.13	-	25.80	27.40	8.35	-

802.11b_Nss1,(1Mbps)_2TX

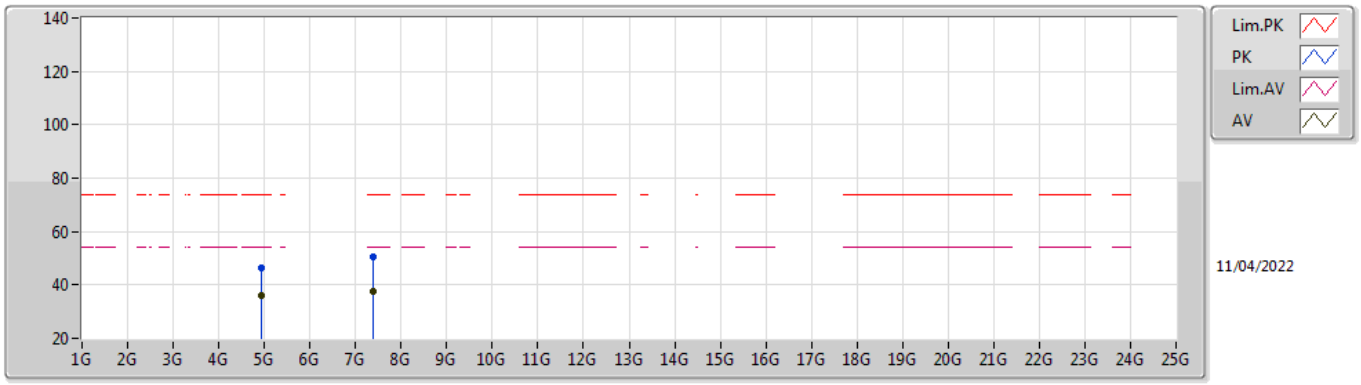
2462MHz_TX



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	4.92397G	40.06	54.00	-13.94	6.88	3	Vertical	312	2.07	-	33.18	31.30	9.72	34.14
AV	7.38668G	38.82	54.00	-15.18	13.08	3	Vertical	26	1.88	-	25.74	36.23	11.34	34.49
PK	4.92415G	48.12	74.00	-25.88	6.88	3	Vertical	312	2.07	-	41.24	31.30	9.72	34.14
PK	7.38454G	51.35	74.00	-22.65	13.08	3	Vertical	26	1.88	-	38.27	36.23	11.34	34.49

802.11b_Nss1,(1Mbps)_2TX

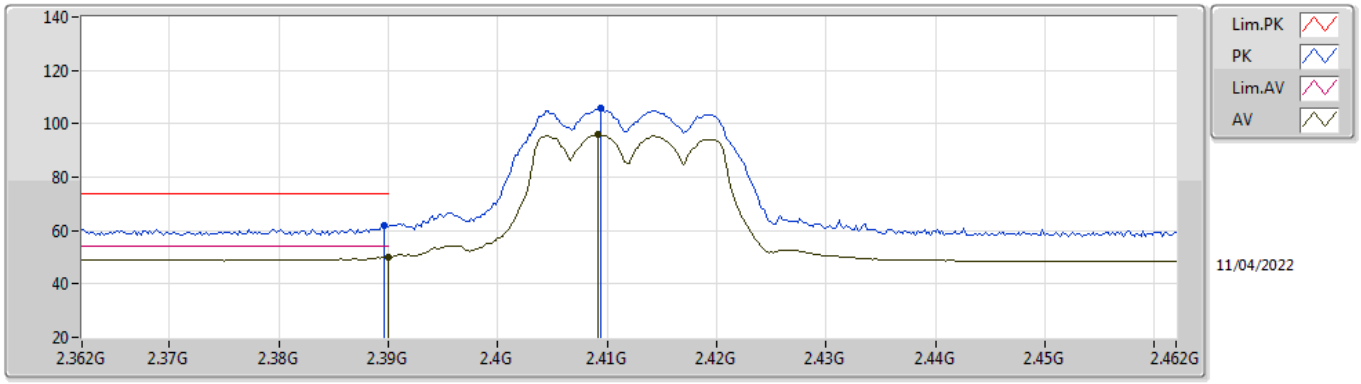
2462MHz_TX



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	4.92397G	36.16	54.00	-17.84	6.88	3	Horizontal	314	2.93	-	29.28	31.30	9.72	34.14
AV	7.38682G	37.66	54.00	-16.34	13.08	3	Horizontal	33	2.92	-	24.58	36.23	11.34	34.49
PK	4.92401G	46.49	74.00	-27.51	6.88	3	Horizontal	314	2.93	-	39.61	31.30	9.72	34.14
PK	7.38332G	50.65	74.00	-23.35	13.08	3	Horizontal	33	2.92	-	37.57	36.23	11.34	34.49

802.11g_Nss1,(6Mbps)_2TX

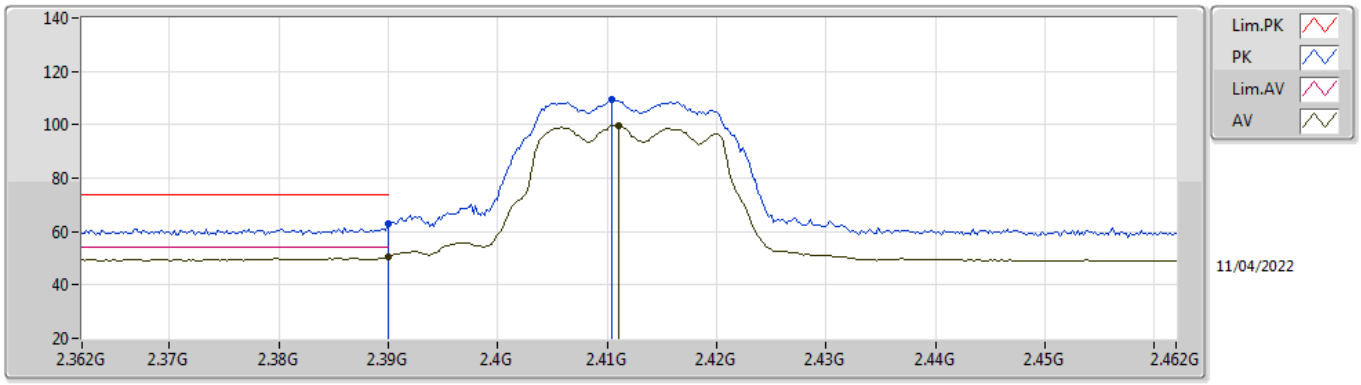
2412MHz_TX



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	50.15	54.00	-3.85	36.00	3	Vertical	198	2.58	-	14.15	27.72	8.28	-
AV	2.4092G	96.11	Inf	-Inf	35.94	3	Vertical	198	2.58	-	60.17	27.64	8.30	-
PK	2.3896G	61.71	74.00	-12.29	36.00	3	Vertical	198	2.58	-	25.71	27.72	8.28	-
PK	2.4094G	105.66	Inf	-Inf	35.94	3	Vertical	198	2.58	-	69.72	27.64	8.30	-

802.11g_Nss1,(6Mbps)_2TX

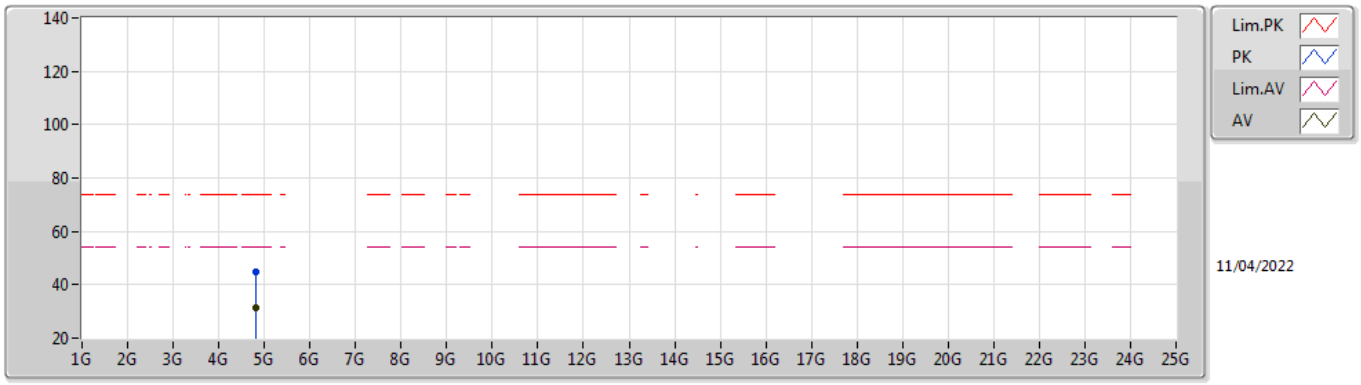
2412MHz_TX



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	50.65	54.00	-3.35	36.00	3	Horizontal	67	2.57	-	14.65	27.72	8.28	-
AV	2.411G	99.62	Inf	-Inf	35.93	3	Horizontal	67	2.57	-	63.69	27.63	8.30	-
PK	2.39G	62.72	74.00	-11.28	36.00	3	Horizontal	67	2.57	-	26.72	27.72	8.28	-
PK	2.4104G	109.25	Inf	-Inf	35.94	3	Horizontal	67	2.57	-	73.31	27.64	8.30	-

802.11g_Nss1,(6Mbps)_2TX

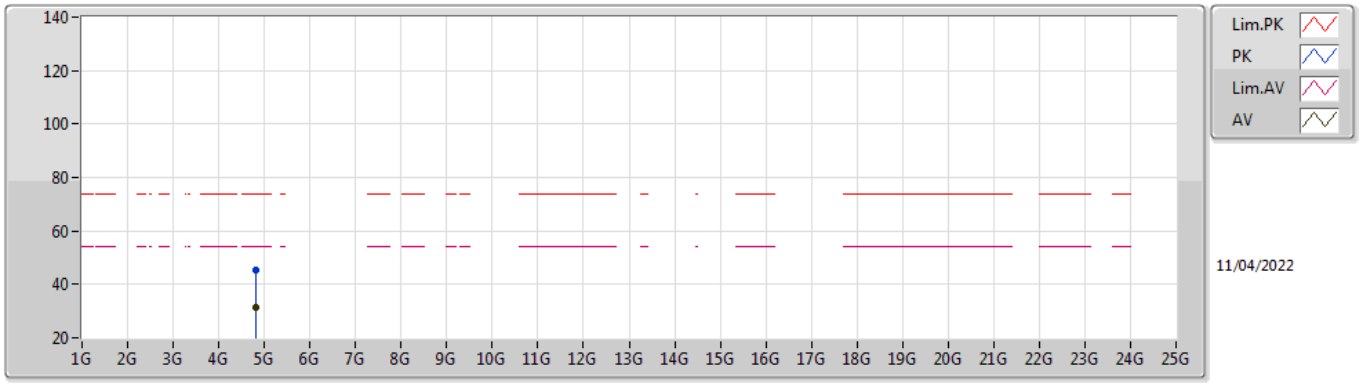
2412MHz_TX



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	4.82482G	31.59	54.00	-22.41	6.65	3	Vertical	360	2.24	-	24.94	31.15	9.68	34.18
PK	4.82363G	44.60	74.00	-29.40	6.65	3	Vertical	360	2.24	-	37.95	31.15	9.68	34.18

802.11g_Nss1,(6Mbps)_2TX

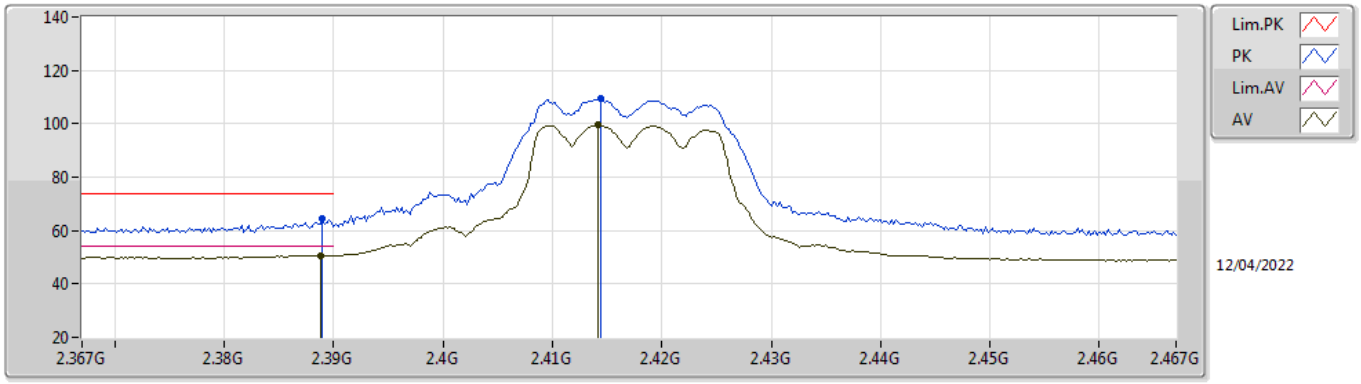
2412MHz_TX



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	4.82447G	31.45	54.00	-22.55	6.65	3	Horizontal	186	2.62	-	24.80	31.15	9.68	34.18
PK	4.82466G	45.36	74.00	-28.64	6.65	3	Horizontal	186	2.62	-	38.71	31.15	9.68	34.18

802.11g_Nss1,(6Mbps)_2TX

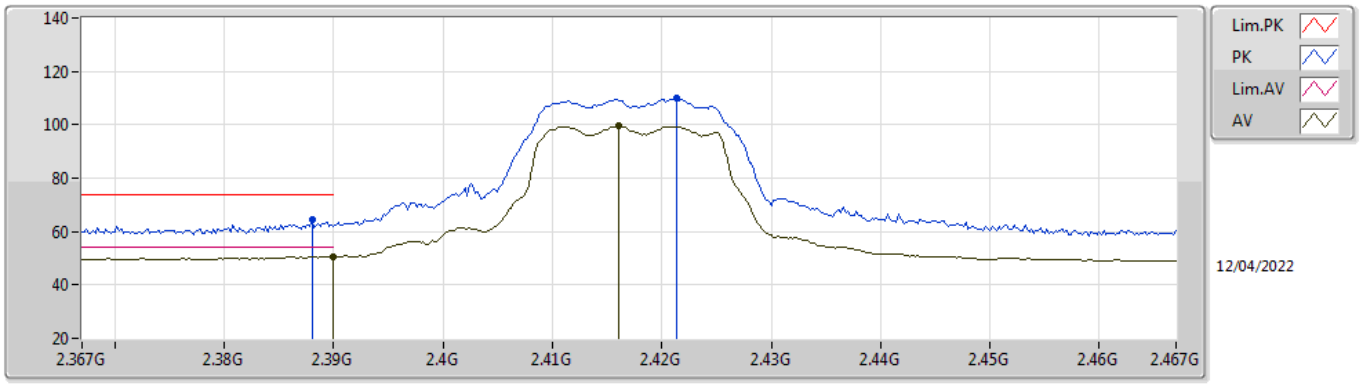
2417MHz_TX



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	2.3888G	50.72	54.00	-3.28	36.00	3	Vertical	243	2.34	-	14.72	27.72	8.28	-
AV	2.4142G	99.55	Inf	-Inf	35.91	3	Vertical	243	2.34	-	63.64	27.61	8.30	-
PK	2.389G	64.47	74.00	-9.53	36.00	3	Vertical	243	2.34	-	28.47	27.72	8.28	-
PK	2.4144G	109.43	Inf	-Inf	35.91	3	Vertical	243	2.34	-	73.52	27.61	8.30	-

802.11g_Nss1,(6Mbps)_2TX

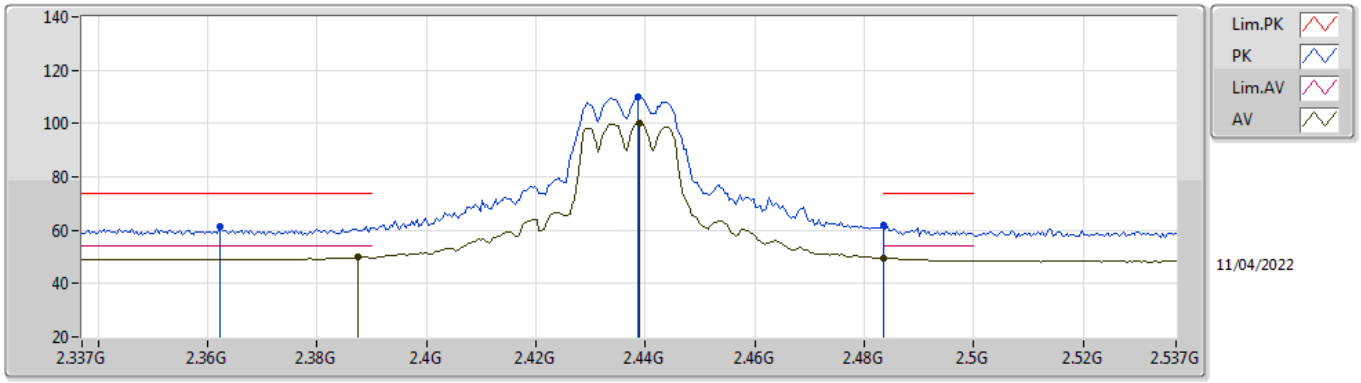
2417MHz_TX



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	50.71	54.00	-3.29	36.00	3	Horizontal	314	2.06	-	14.71	27.72	8.28	-
AV	2.416G	99.62	Inf	-Inf	35.90	3	Horizontal	314	2.06	-	63.72	27.60	8.30	-
PK	2.388G	64.23	74.00	-9.77	36.00	3	Horizontal	314	2.06	-	28.23	27.72	8.28	-
PK	2.4214G	109.98	Inf	-Inf	35.87	3	Horizontal	314	2.06	-	74.11	27.57	8.30	-

802.11g_Nss1,(6Mbps)_2TX

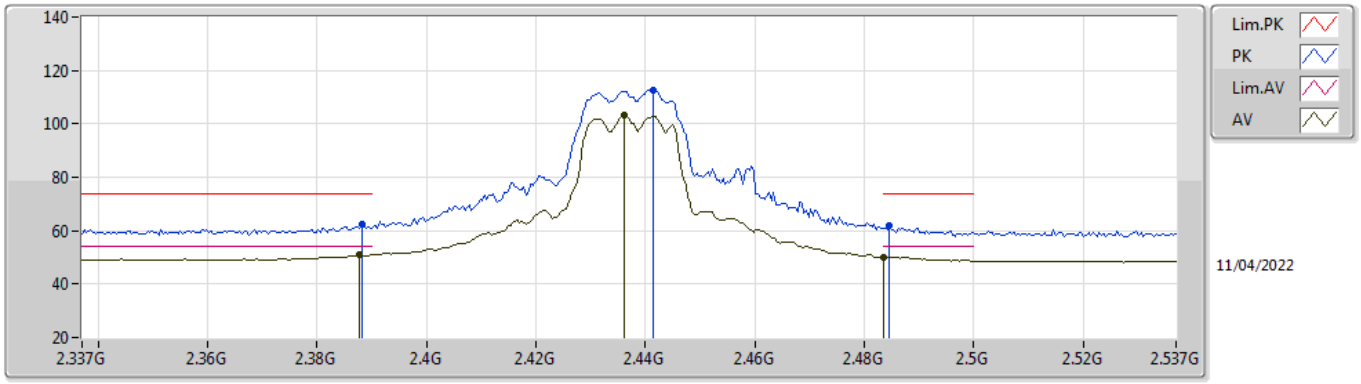
2437MHz_TX



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	2.3874G	49.85	54.00	-4.15	36.01	3	Vertical	58	1.50	-	13.84	27.73	8.28	-
AV	2.439G	100.26	Inf	-Inf	35.79	3	Vertical	58	1.50	-	64.47	27.47	8.32	-
AV	2.4835G	49.73	54.00	-4.27	35.74	3	Vertical	58	1.50	-	13.99	27.40	8.34	-
PK	2.3622G	61.46	74.00	-12.54	36.04	3	Vertical	58	1.50	-	25.42	27.78	8.26	-
PK	2.4386G	109.82	Inf	-Inf	35.79	3	Vertical	58	1.50	-	74.03	27.47	8.32	-
PK	2.4835G	61.68	74.00	-12.32	35.74	3	Vertical	58	1.50	-	25.94	27.40	8.34	-

802.11g_Nss1,(6Mbps)_2TX

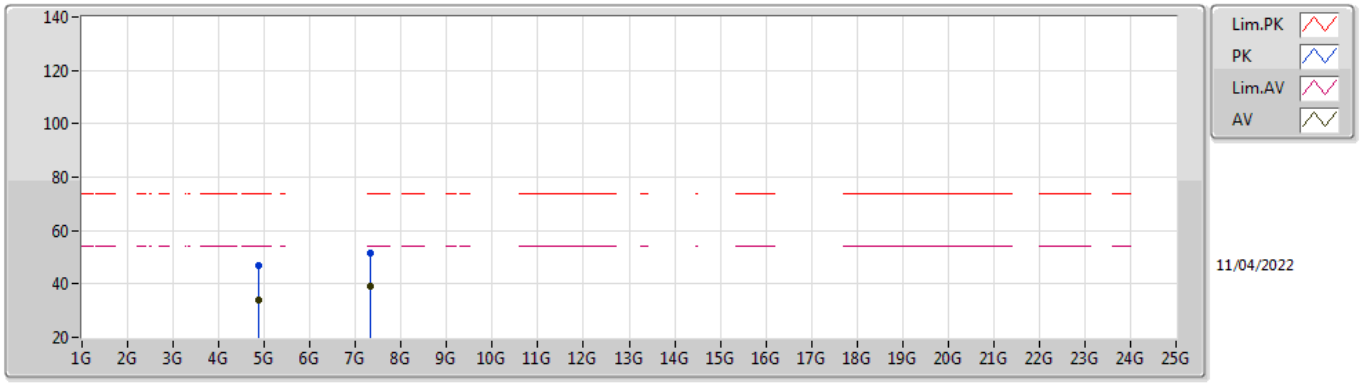
2437MHz_TX



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	2.3878G	50.85	54.00	-3.15	36.00	3	Horizontal	69	2.52	-	14.85	27.72	8.28	-
AV	2.4362G	103.08	Inf	-Inf	35.79	3	Horizontal	69	2.52	-	67.29	27.48	8.31	-
AV	2.4835G	50.21	54.00	-3.79	35.74	3	Horizontal	69	2.52	-	14.47	27.40	8.34	-
PK	2.3882G	62.16	74.00	-11.84	36.00	3	Horizontal	69	2.52	-	26.16	27.72	8.28	-
PK	2.4414G	112.69	Inf	-Inf	35.77	3	Horizontal	69	2.52	-	76.92	27.45	8.32	-
PK	2.4846G	61.89	74.00	-12.11	35.74	3	Horizontal	69	2.52	-	26.15	27.40	8.34	-

802.11g_Nss1,(6Mbps)_2TX

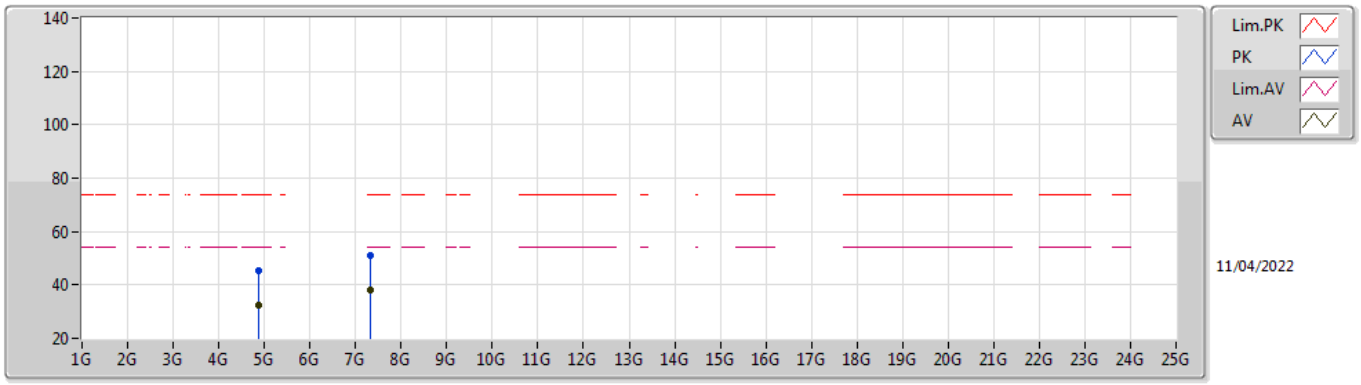
2437MHz_TX



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	4.87666G	34.01	54.00	-19.99	6.74	3	Vertical	5	2.01	-	27.27	31.20	9.70	34.16
AV	7.31096G	38.89	54.00	-15.11	13.20	3	Vertical	80	1.81	-	25.69	36.38	11.32	34.50
PK	4.87156G	46.98	74.00	-27.02	6.74	3	Vertical	5	2.01	-	40.24	31.20	9.70	34.16
PK	7.31956G	51.73	74.00	-22.27	13.18	3	Vertical	80	1.81	-	38.55	36.36	11.32	34.50

802.11g_Nss1,(6Mbps)_2TX

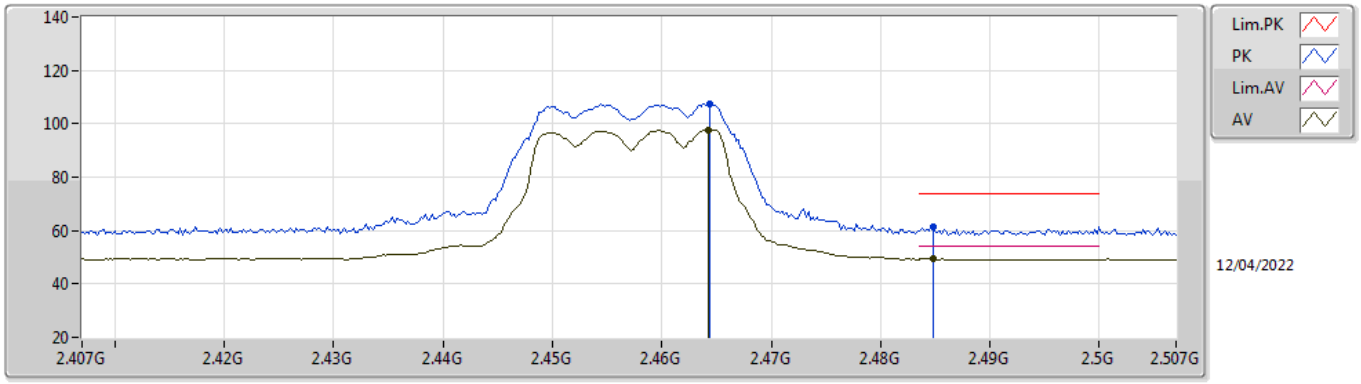
2437MHz_TX



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	4.8719G	32.61	54.00	-21.39	6.74	3	Horizontal	268	2.09	-	25.87	31.20	9.70	34.16
AV	7.31534G	37.91	54.00	-16.09	13.19	3	Horizontal	226	1.50	-	24.72	36.37	11.32	34.50
PK	4.87592G	45.31	74.00	-28.69	6.74	3	Horizontal	268	2.09	-	38.57	31.20	9.70	34.16
PK	7.3115G	50.80	74.00	-23.20	13.20	3	Horizontal	226	1.50	-	37.60	36.38	11.32	34.50

802.11g_Nss1,(6Mbps)_2TX

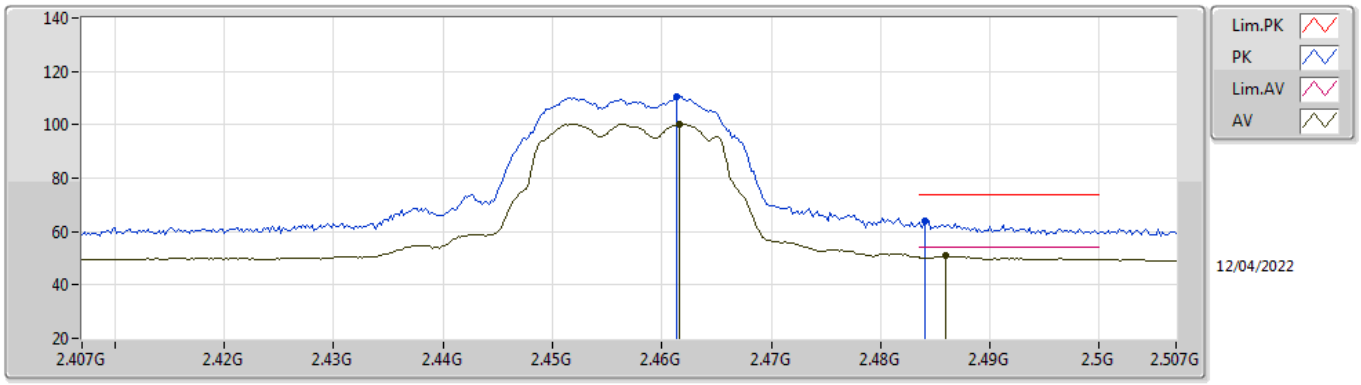
2457MHz_TX



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	2.4642G	97.74	Inf	-Inf	35.73	3	Vertical	261	2.08	-	62.01	27.40	8.33	-
AV	2.4848G	49.38	54.00	-4.62	35.75	3	Vertical	261	2.08	-	13.63	27.40	8.35	-
PK	2.4644G	107.44	Inf	-Inf	35.73	3	Vertical	261	2.08	-	71.71	27.40	8.33	-
PK	2.4848G	61.61	74.00	-12.39	35.75	3	Vertical	261	2.08	-	25.86	27.40	8.35	-

802.11g_Nss1,(6Mbps)_2TX

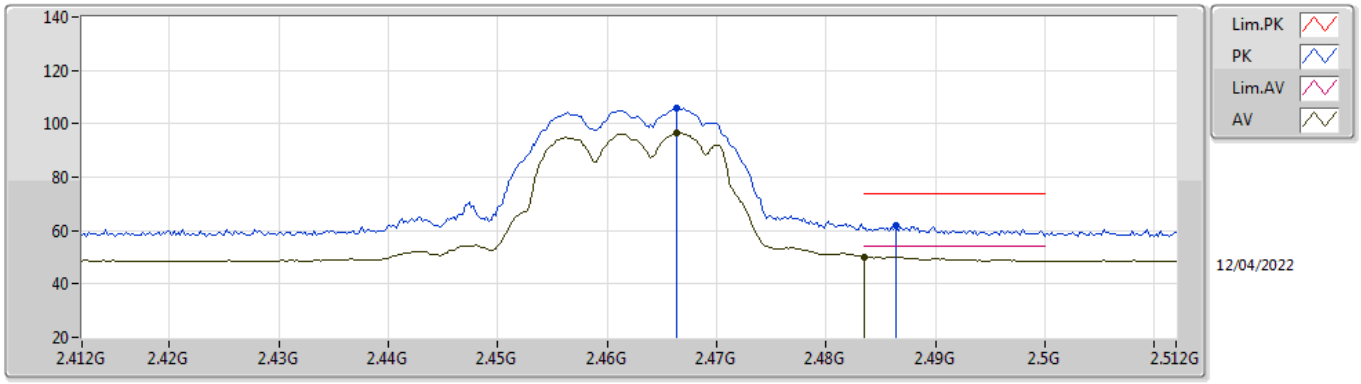
2457MHz_TX



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	2.4616G	100.35	Inf	-Inf	35.73	3	Horizontal	300	2.43	-	64.62	27.40	8.33	-
AV	2.486G	50.88	54.00	-3.12	35.75	3	Horizontal	300	2.43	-	15.13	27.40	8.35	-
PK	2.4614G	110.36	Inf	-Inf	35.73	3	Horizontal	300	2.43	-	74.63	27.40	8.33	-
PK	2.484G	63.95	74.00	-10.05	35.74	3	Horizontal	300	2.43	-	28.21	27.40	8.34	-

802.11g_Nss1,(6Mbps)_2TX

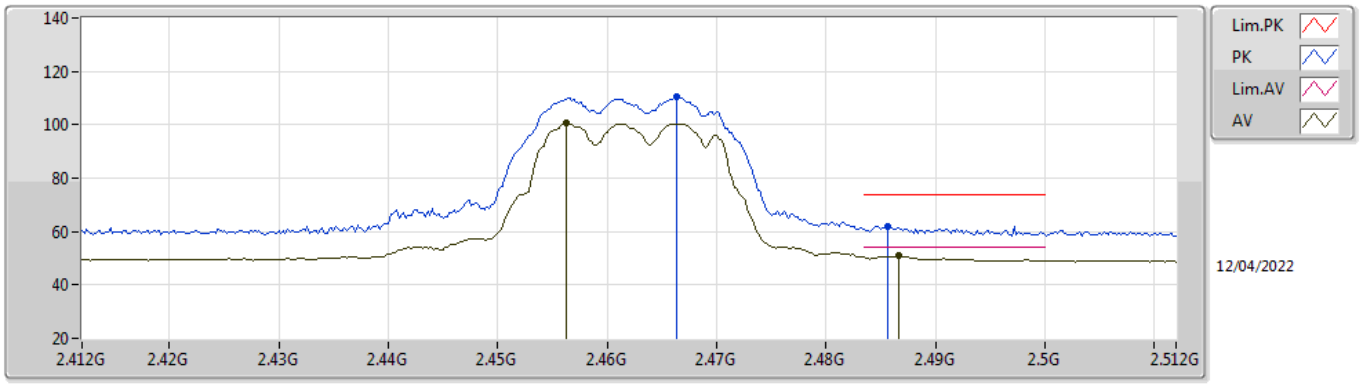
2462MHz_TX



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	2.4664G	96.76	Inf	-Inf	35.73	3	Vertical	181	2.18	-	61.03	27.40	8.33	-
AV	2.4835G	50.05	54.00	-3.95	35.74	3	Vertical	181	2.18	-	14.31	27.40	8.34	-
PK	2.4664G	105.86	Inf	-Inf	35.73	3	Vertical	181	2.18	-	70.13	27.40	8.33	-
PK	2.4864G	62.08	74.00	-11.92	35.75	3	Vertical	181	2.18	-	26.33	27.40	8.35	-

802.11g_Nss1,(6Mbps)_2TX

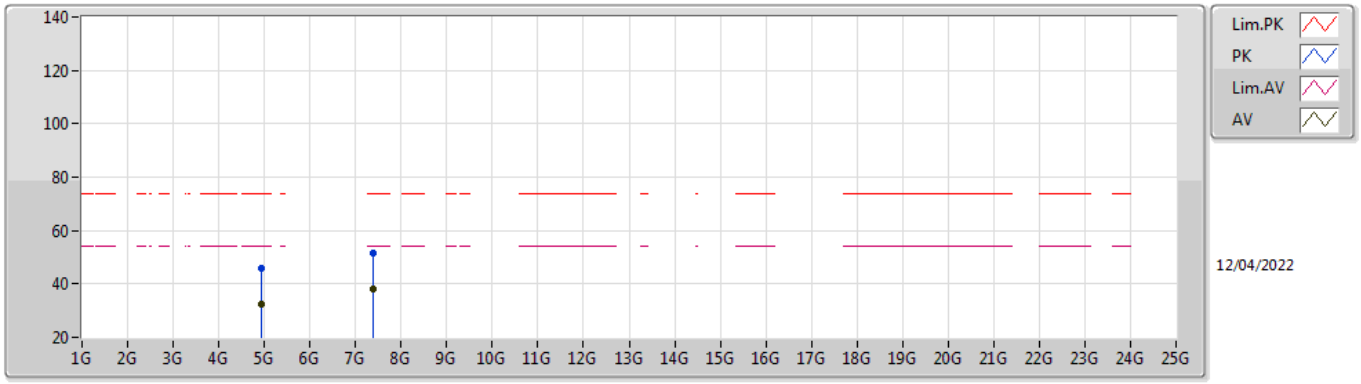
2462MHz_TX



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	2.4562G	100.45	Inf	-Inf	35.73	3	Horizontal	254	2.72	-	64.72	27.40	8.33	-
AV	2.4866G	50.85	54.00	-3.15	35.75	3	Horizontal	254	2.72	-	15.10	27.40	8.35	-
PK	2.4664G	110.33	Inf	-Inf	35.73	3	Horizontal	254	2.72	-	74.60	27.40	8.33	-
PK	2.4856G	62.09	74.00	-11.91	35.75	3	Horizontal	254	2.72	-	26.34	27.40	8.35	-

802.11g_Nss1,(6Mbps)_2TX

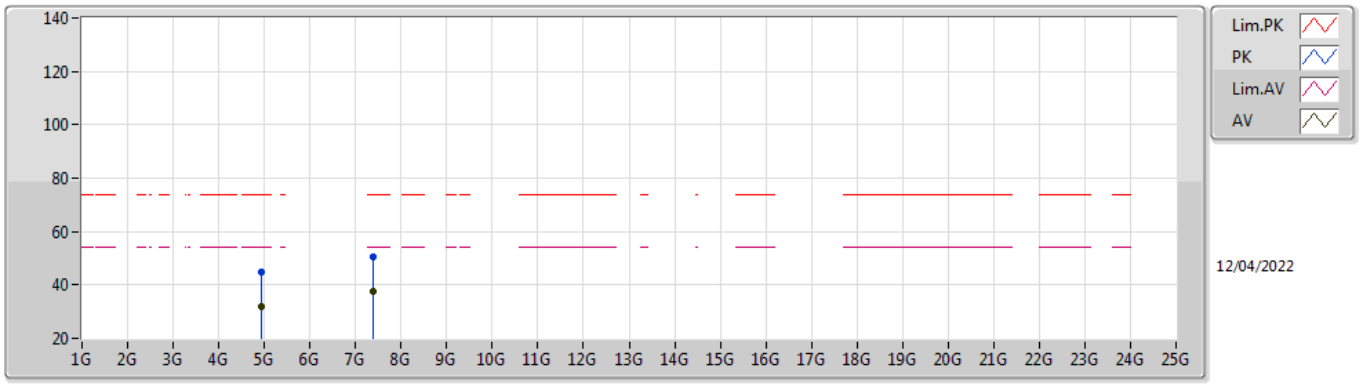
2462MHz_TX



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	4.92676G	32.46	54.00	-21.54	6.89	3	Vertical	188	2.09	-	25.57	31.31	9.72	34.14
AV	7.386G	37.98	54.00	-16.02	13.08	3	Vertical	264	2.11	-	24.90	36.23	11.34	34.49
PK	4.92264G	45.72	74.00	-28.28	6.87	3	Vertical	188	2.09	-	38.85	31.29	9.72	34.14
PK	7.3922G	51.30	74.00	-22.70	13.07	3	Vertical	264	2.11	-	38.23	36.22	11.34	34.49

802.11g_Nss1,(6Mbps)_2TX

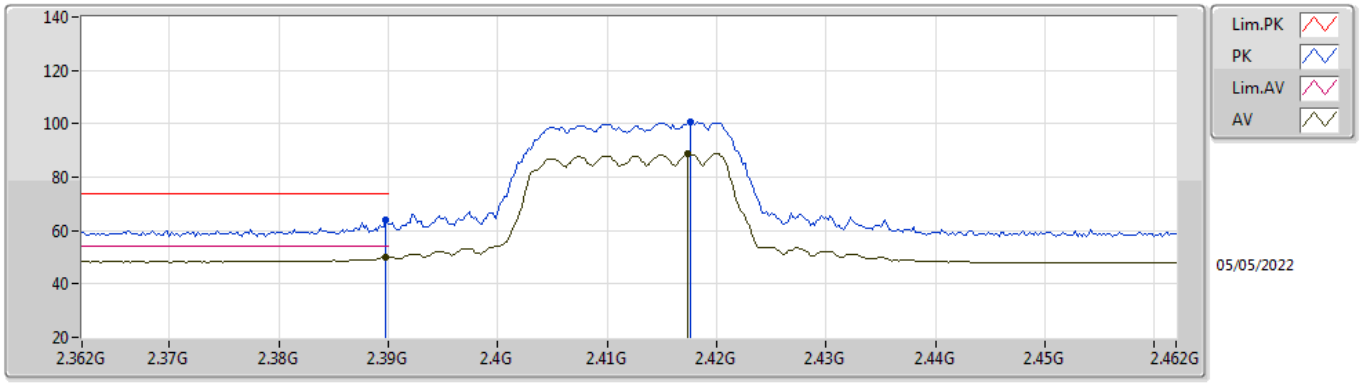
2462MHz_TX



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	4.92412G	31.81	54.00	-22.19	6.88	3	Horizontal	216	2.32	-	24.93	31.30	9.72	34.14
AV	7.38396G	37.77	54.00	-16.23	13.08	3	Horizontal	36	2.51	-	24.69	36.23	11.34	34.49
PK	4.931G	45.02	74.00	-28.98	6.91	3	Horizontal	216	2.32	-	38.11	31.32	9.72	34.13
PK	7.3922G	50.77	74.00	-23.23	13.07	3	Horizontal	36	2.51	-	37.70	36.22	11.34	34.49

802.11n HT20_Nss1,(MCS0)_2TX

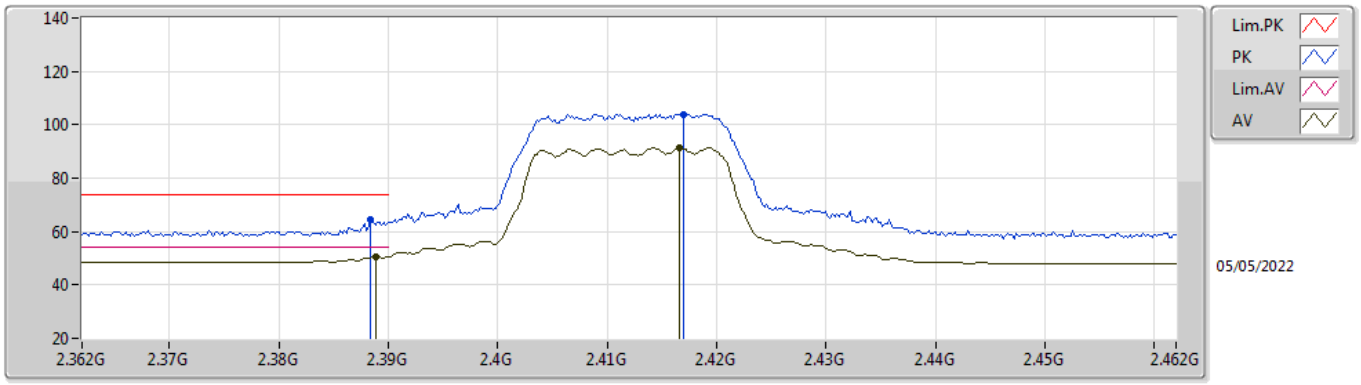
2412MHz_TX



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	2.3898G	49.98	54.00	-4.02	36.00	3	Vertical	32	1.04	-	13.98	27.72	8.28	-
AV	2.4174G	88.85	Inf	-Inf	35.90	3	Vertical	32	1.04	-	52.95	27.60	8.30	-
PK	2.3898G	63.92	74.00	-10.08	36.00	3	Vertical	32	1.04	-	27.92	27.72	8.28	-
PK	2.4176G	100.94	Inf	-Inf	35.89	3	Vertical	32	1.04	-	65.05	27.59	8.30	-

802.11n HT20_Nss1,(MCS0)_2TX

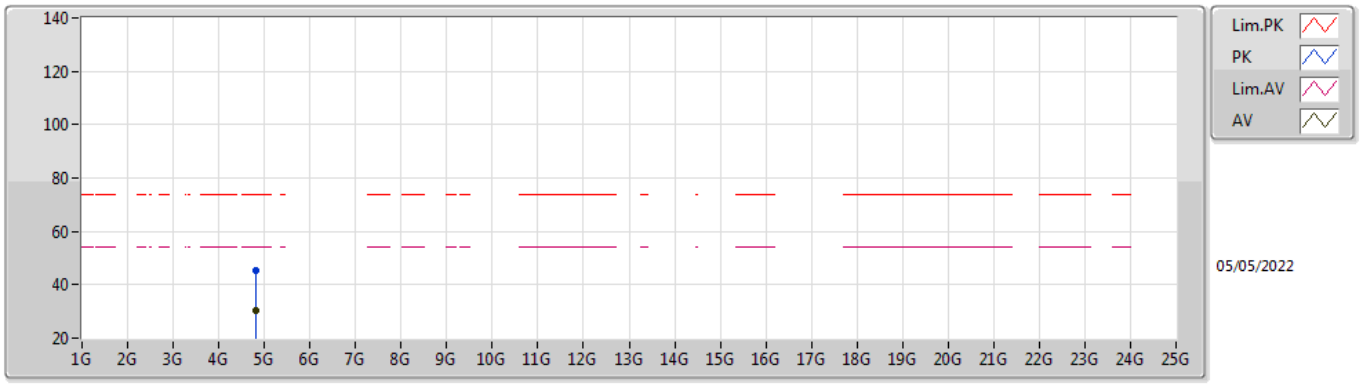
2412MHz_TX



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	2.3888G	50.44	54.00	-3.56	36.00	3	Horizontal	299	2.29	-	14.44	27.72	8.28	-
AV	2.4166G	91.32	Inf	-Inf	35.90	3	Horizontal	299	2.29	-	55.42	27.60	8.30	-
PK	2.3884G	64.66	74.00	-9.34	36.00	3	Horizontal	299	2.29	-	28.66	27.72	8.28	-
PK	2.417G	104.05	Inf	-Inf	35.90	3	Horizontal	299	2.29	-	68.15	27.60	8.30	-

802.11n HT20_Nss1,(MCS0)_2TX

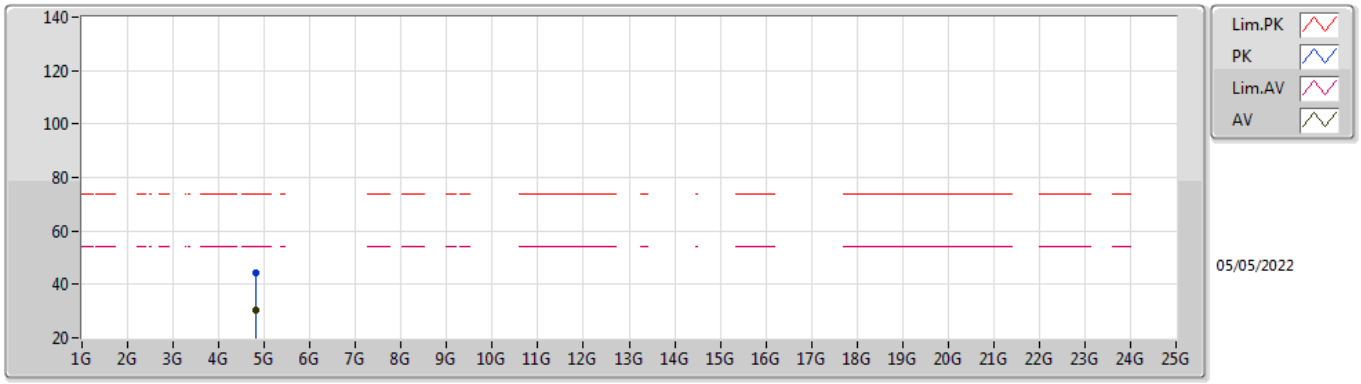
2412MHz_TX



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	4.82032G	30.54	54.00	-23.46	6.63	3	Vertical	186	2.68	-	23.91	31.14	9.68	34.19
PK	4.81476G	45.13	74.00	-28.87	6.62	3	Vertical	186	2.68	-	38.51	31.13	9.68	34.19

802.11n HT20_Nss1,(MCS0)_2TX

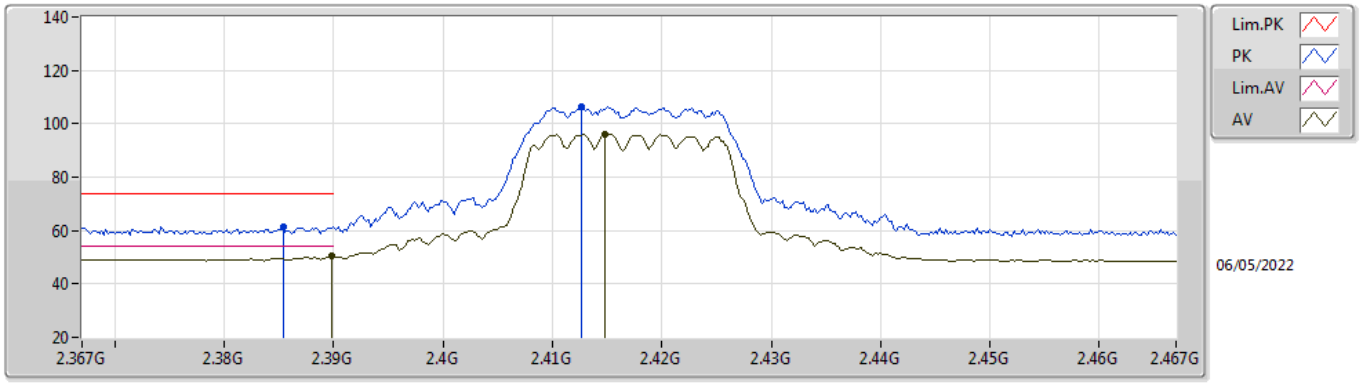
2412MHz_TX



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	4.82108G	30.17	54.00	-23.83	6.63	3	Horizontal	82	1.50	-	23.54	31.14	9.68	34.19
PK	4.82116G	44.27	74.00	-29.73	6.63	3	Horizontal	82	1.50	-	37.64	31.14	9.68	34.19

802.11n HT20_Nss1,(MCS0)_2TX

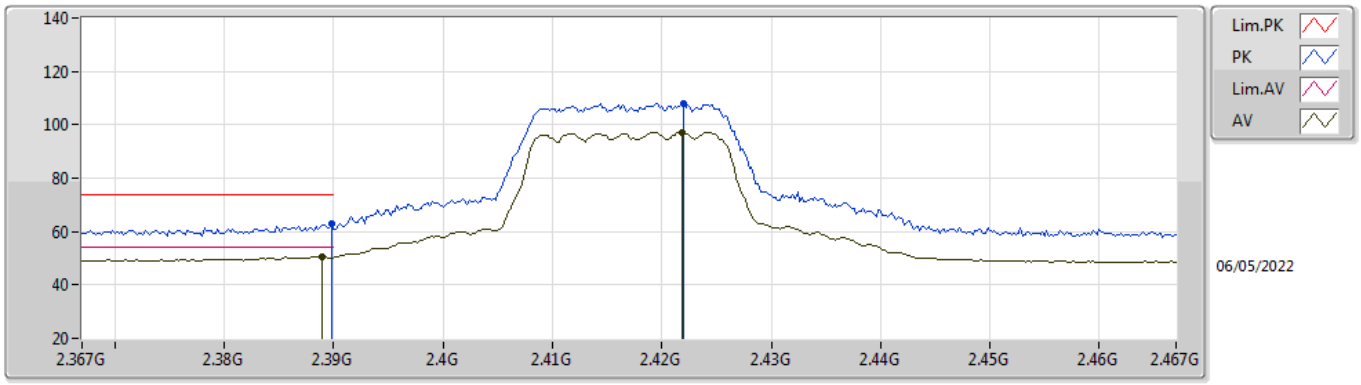
2417MHz_TX



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	2.3898G	50.26	54.00	-3.74	36.00	3	Vertical	215	2.28	-	14.26	27.72	8.28	-
AV	2.4148G	96.24	Inf	-Inf	35.91	3	Vertical	215	2.28	-	60.33	27.61	8.30	-
PK	2.3854G	61.28	74.00	-12.72	36.01	3	Vertical	215	2.28	-	25.27	27.73	8.28	-
PK	2.4126G	106.53	Inf	-Inf	35.92	3	Vertical	215	2.28	-	70.61	27.62	8.30	-

802.11n HT20_Nss1,(MCS0)_2TX

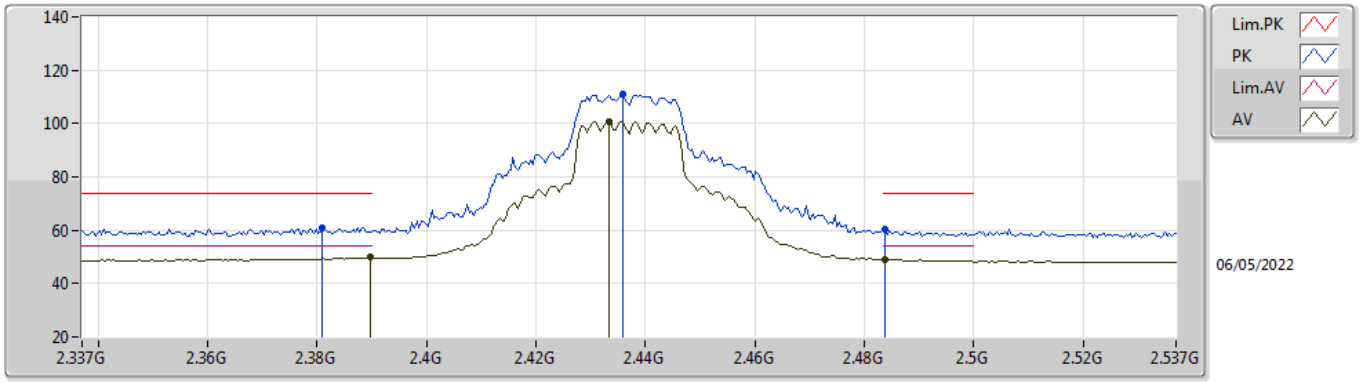
2417MHz_TX



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	2.389G	50.67	54.00	-3.33	36.00	3	Horizontal	300	2.33	-	14.67	27.72	8.28	-
AV	2.4218G	97.32	Inf	-Inf	35.87	3	Horizontal	300	2.33	-	61.45	27.57	8.30	-
PK	2.3898G	62.78	74.00	-11.22	36.00	3	Horizontal	300	2.33	-	26.78	27.72	8.28	-
PK	2.422G	108.10	Inf	-Inf	35.87	3	Horizontal	300	2.33	-	72.23	27.57	8.30	-

802.11n HT20_Nss1,(MCS0)_2TX

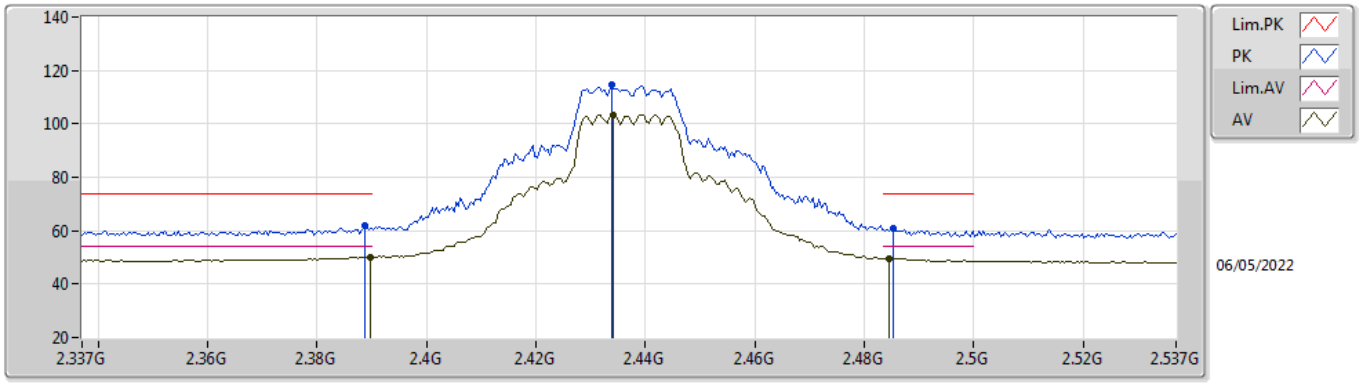
2437MHz_TX



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	2.3898G	49.77	54.00	-4.23	36.00	3	Vertical	72	2.74	-	13.77	27.72	8.28	-
AV	2.4334G	100.79	Inf	-Inf	35.81	3	Vertical	72	2.74	-	64.98	27.50	8.31	-
AV	2.4838G	49.01	54.00	-4.99	35.74	3	Vertical	72	2.74	-	13.27	27.40	8.34	-
PK	2.381G	61.00	74.00	-13.00	36.02	3	Vertical	72	2.74	-	24.98	27.74	8.28	-
PK	2.4358G	111.11	Inf	-Inf	35.80	3	Vertical	72	2.74	-	75.31	27.49	8.31	-
PK	2.4838G	60.51	74.00	-13.49	35.74	3	Vertical	72	2.74	-	24.77	27.40	8.34	-

802.11n HT20_Nss1,(MCS0)_2TX

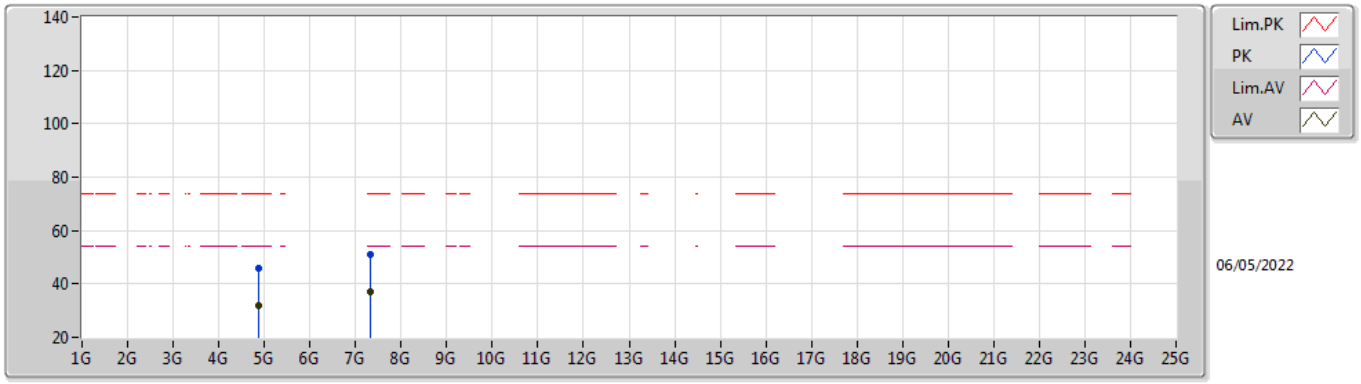
2437MHz_TX



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	2.3898G	50.20	54.00	-3.80	36.00	3	Horizontal	74	2.50	-	14.20	27.72	8.28	-
AV	2.4342G	103.53	Inf	-Inf	35.80	3	Horizontal	74	2.50	-	67.73	27.49	8.31	-
AV	2.4846G	49.59	54.00	-4.41	35.74	3	Horizontal	74	2.50	-	13.85	27.40	8.34	-
PK	2.3886G	61.97	74.00	-12.03	36.00	3	Horizontal	74	2.50	-	25.97	27.72	8.28	-
PK	2.4338G	114.49	Inf	-Inf	35.81	3	Horizontal	74	2.50	-	78.68	27.50	8.31	-
PK	2.4854G	60.97	74.00	-13.03	35.75	3	Horizontal	74	2.50	-	25.22	27.40	8.35	-

802.11n HT20_Nss1,(MCS0)_2TX

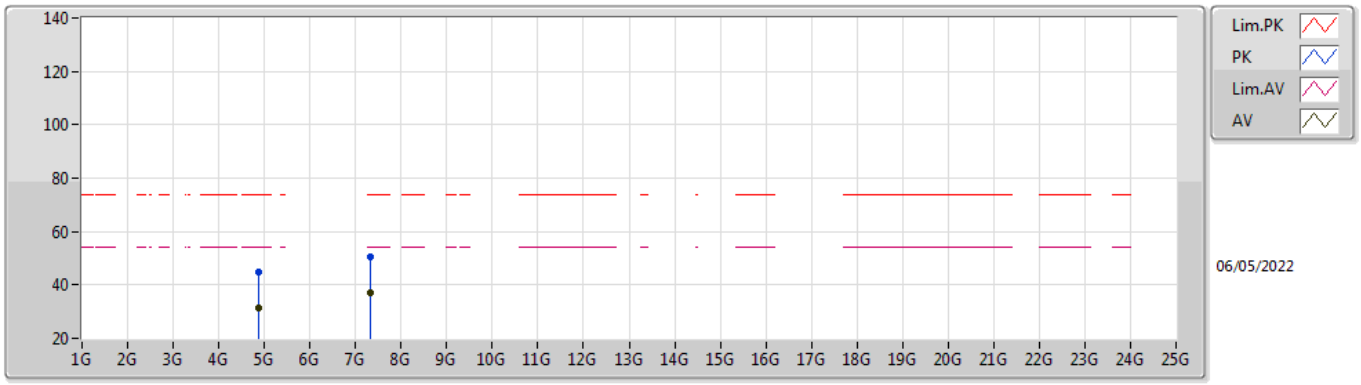
2437MHz_TX



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	4.8754G	31.99	54.00	-22.01	6.74	3	Vertical	181	2.50	-	25.25	31.20	9.70	34.16
AV	7.312G	36.89	54.00	-17.11	13.20	3	Vertical	189	2.93	-	23.69	36.38	11.32	34.50
PK	4.87048G	45.93	74.00	-28.07	6.74	3	Vertical	181	2.50	-	39.19	31.20	9.70	34.16
PK	7.31592G	50.99	74.00	-23.01	13.19	3	Vertical	189	2.93	-	37.80	36.37	11.32	34.50

802.11n HT20_Nss1,(MCS0)_2TX

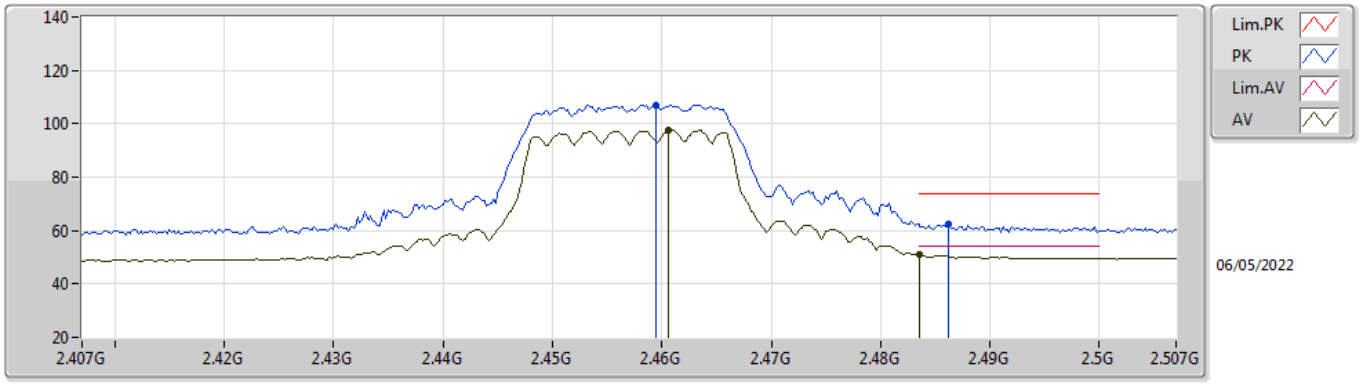
2437MHz_TX



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	4.87548G	31.13	54.00	-22.87	6.74	3	Horizontal	96	2.73	-	24.39	31.20	9.70	34.16
AV	7.31432G	36.82	54.00	-17.18	13.19	3	Horizontal	146	1.50	-	23.63	36.37	11.32	34.50
PK	4.87104G	44.88	74.00	-29.12	6.74	3	Horizontal	96	2.73	-	38.14	31.20	9.70	34.16
PK	7.31384G	50.56	74.00	-23.44	13.19	3	Horizontal	146	1.50	-	37.37	36.37	11.32	34.50

802.11n HT20_Nss1,(MCS0)_2TX

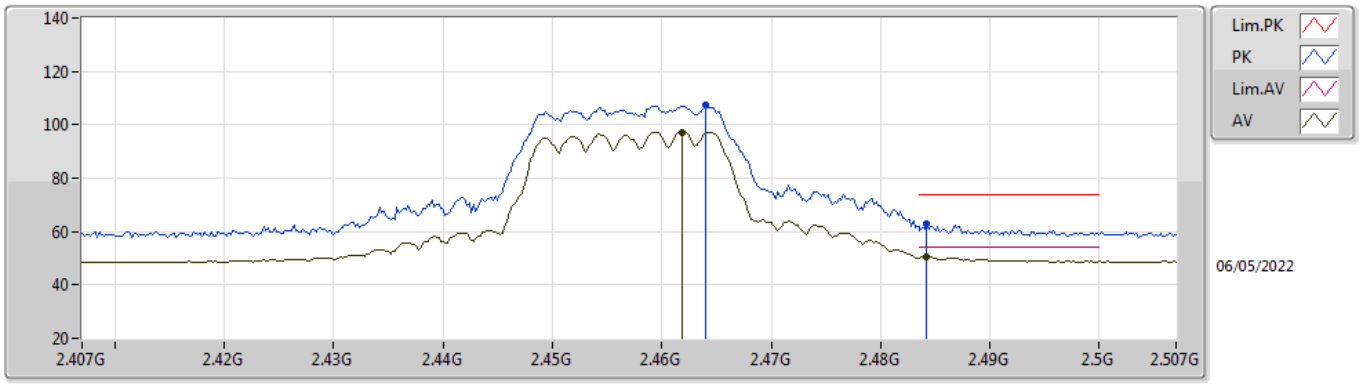
2457MHz_TX



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	2.4606G	97.45	Inf	-Inf	35.73	3	Vertical	118	2.47	-	61.72	27.40	8.33	-
AV	2.4835G	50.87	54.00	-3.13	35.74	3	Vertical	118	2.47	-	15.13	27.40	8.34	-
PK	2.4594G	107.09	Inf	-Inf	35.73	3	Vertical	118	2.47	-	71.36	27.40	8.33	-
PK	2.4862G	62.42	74.00	-11.58	35.75	3	Vertical	118	2.47	-	26.67	27.40	8.35	-

802.11n HT20_Nss1,(MCS0)_2TX

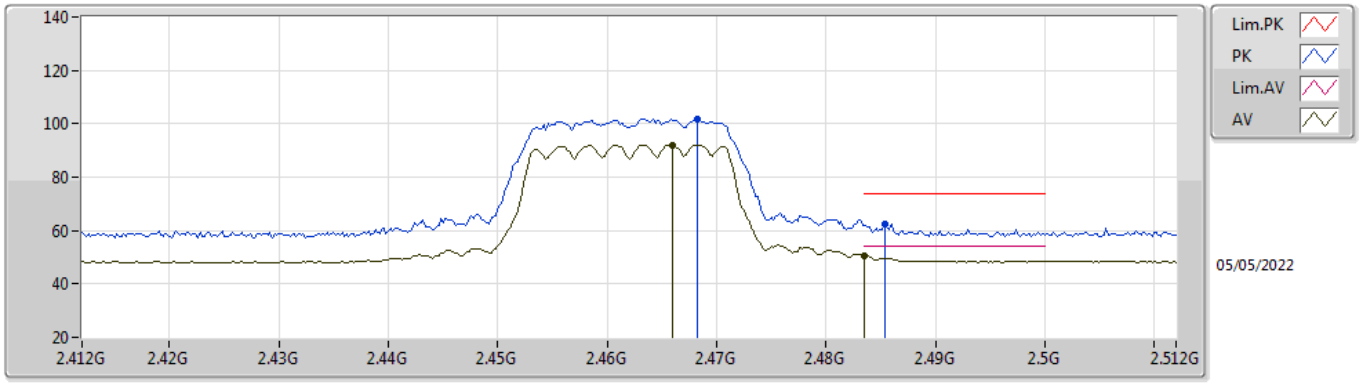
2457MHz_TX



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	2.4618G	97.27	Inf	-Inf	35.73	3	Horizontal	153	1.14	-	61.54	27.40	8.33	-
AV	2.4842G	50.60	54.00	-3.40	35.74	3	Horizontal	153	1.14	-	14.86	27.40	8.34	-
PK	2.464G	107.19	Inf	-Inf	35.73	3	Horizontal	153	1.14	-	71.46	27.40	8.33	-
PK	2.4842G	62.75	74.00	-11.25	35.74	3	Horizontal	153	1.14	-	27.01	27.40	8.34	-

802.11n HT20_Nss1,(MCS0)_2TX

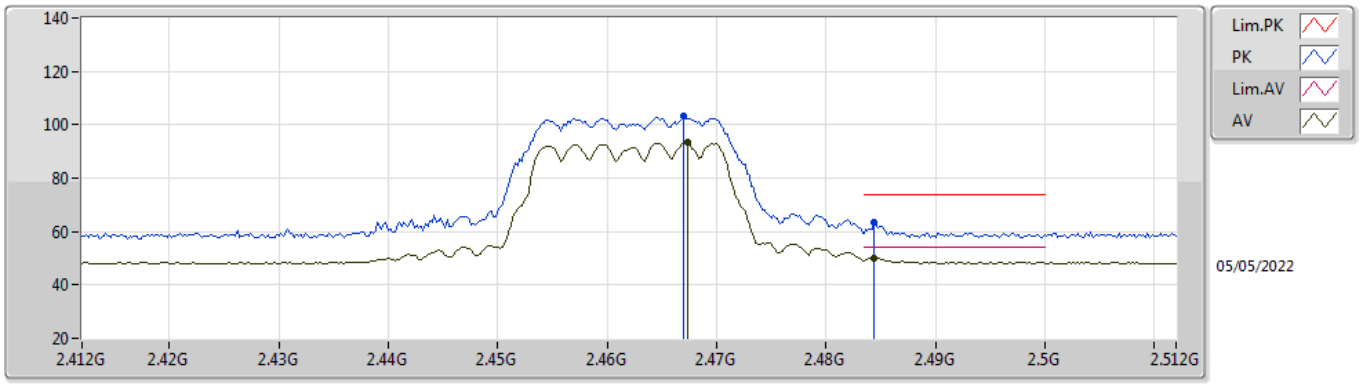
2462MHz_TX



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	2.466G	92.15	Inf	-Inf	35.73	3	Vertical	118	2.37	-	56.42	27.40	8.33	-
AV	2.4835G	50.74	54.00	-3.26	35.74	3	Vertical	118	2.37	-	15.00	27.40	8.34	-
PK	2.4682G	101.76	Inf	-Inf	35.73	3	Vertical	118	2.37	-	66.03	27.40	8.33	-
PK	2.4854G	62.67	74.00	-11.33	35.75	3	Vertical	118	2.37	-	26.92	27.40	8.35	-

802.11n HT20_Nss1,(MCS0)_2TX

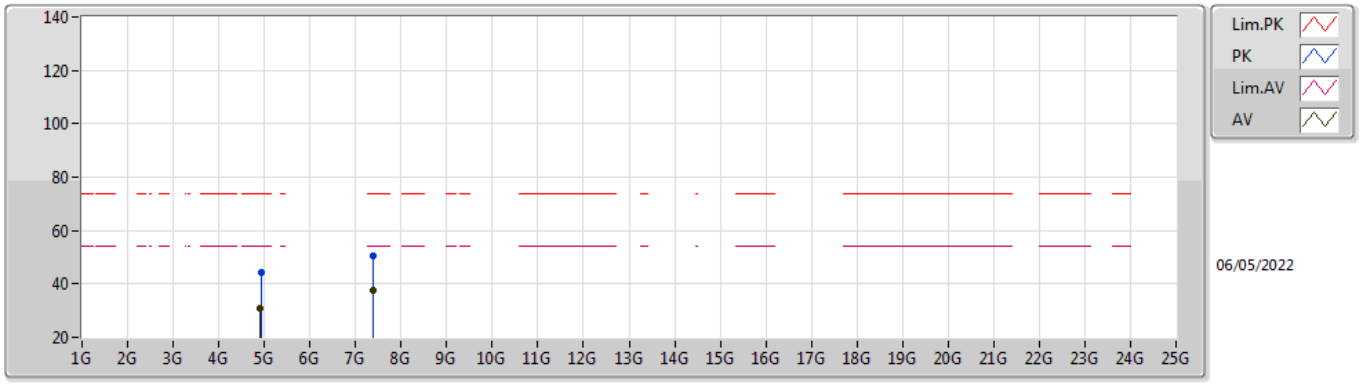
2462MHz_TX



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	93.28	Inf	-Inf	35.73	3	Horizontal	137	2.73	-	57.55	27.40	8.33	-
AV	2.4844G	50.17	54.00	-3.83	35.74	3	Horizontal	137	2.73	-	14.43	27.40	8.34	-
PK	2.467G	103.41	Inf	-Inf	35.73	3	Horizontal	137	2.73	-	67.68	27.40	8.33	-
PK	2.4844G	63.19	74.00	-10.81	35.74	3	Horizontal	137	2.73	-	27.45	27.40	8.34	-

802.11n HT20_Nss1,(MCS0)_2TX

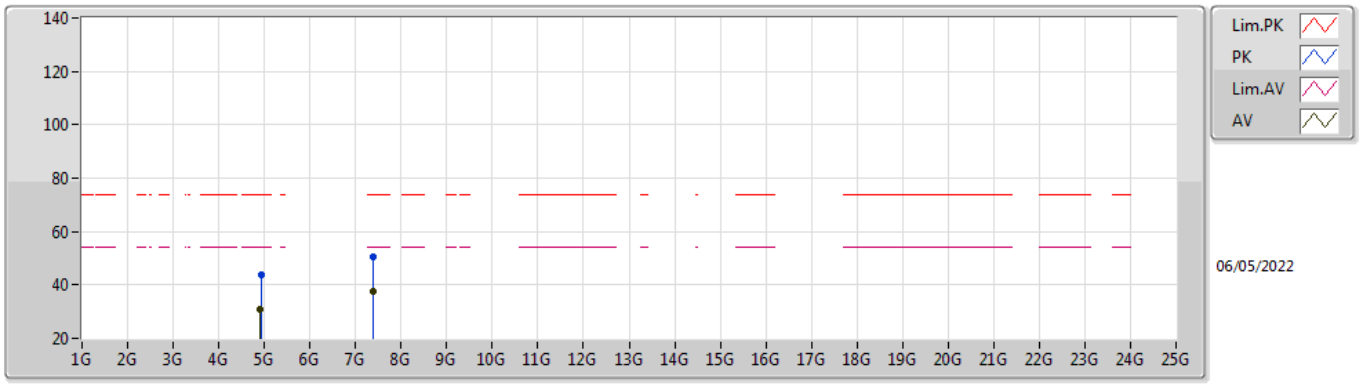
2462MHz_TX



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	4.9182G	30.92	54.00	-23.08	6.85	3	Vertical	178	1.21	-	24.07	31.27	9.72	34.14
AV	7.39488G	37.47	54.00	-16.53	13.06	3	Vertical	248	1.00	-	24.41	36.21	11.34	34.49
PK	4.92276G	44.39	74.00	-29.61	6.87	3	Vertical	178	1.21	-	37.52	31.29	9.72	34.14
PK	7.3876G	50.60	74.00	-23.40	13.07	3	Vertical	248	1.00	-	37.53	36.22	11.34	34.49

802.11n HT20_Nss1,(MCS0)_2TX

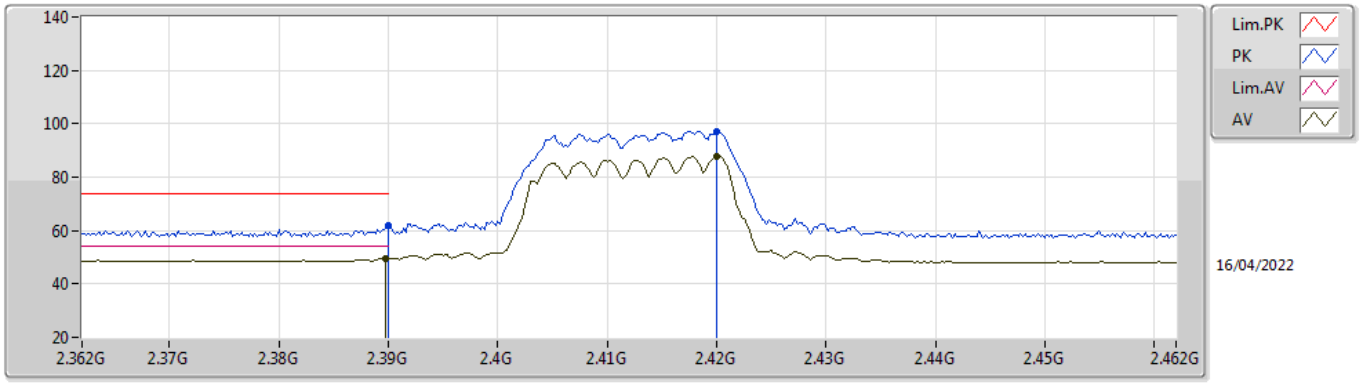
2462MHz_TX



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	4.91668G	30.92	54.00	-23.08	6.85	3	Horizontal	134	1.50	-	24.07	31.27	9.72	34.14
AV	7.38244G	37.49	54.00	-16.51	13.09	3	Horizontal	54	1.50	-	24.40	36.24	11.34	34.49
PK	4.92836G	43.76	74.00	-30.24	6.90	3	Horizontal	134	1.50	-	36.86	31.31	9.72	34.13
PK	7.39516G	50.42	74.00	-23.58	13.06	3	Horizontal	54	1.50	-	37.36	36.21	11.34	34.49

VHT20_Nss1,(MCS0)_2TX

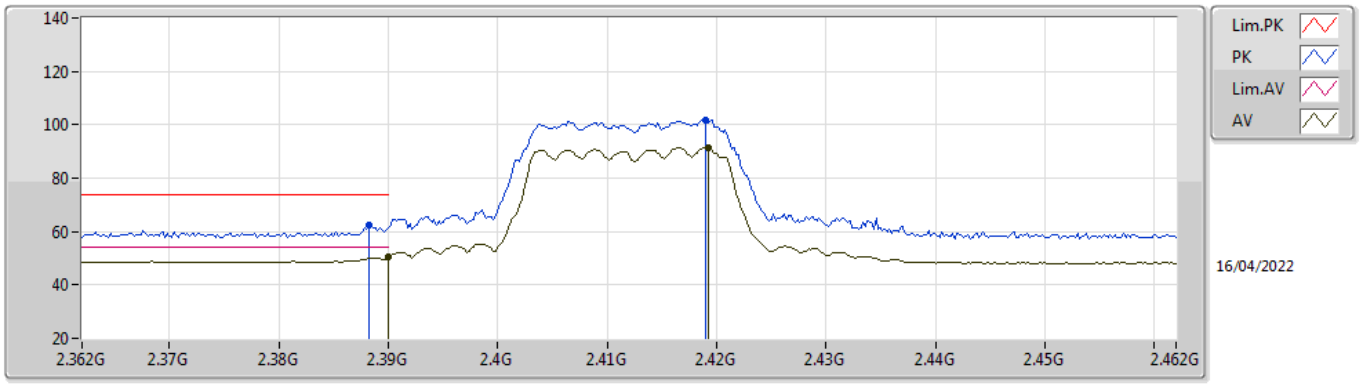
2412MHz_TX



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	2.3898G	49.61	54.00	-4.39	36.00	3	Vertical	38	1.63	-	13.61	27.72	8.28	-
AV	2.42G	87.90	Inf	-Inf	35.88	3	Vertical	38	1.63	-	52.02	27.58	8.30	-
PK	2.39G	61.75	74.00	-12.25	36.00	3	Vertical	38	1.63	-	25.75	27.72	8.28	-
PK	2.42G	97.29	Inf	-Inf	35.88	3	Vertical	38	1.63	-	61.41	27.58	8.30	-

VHT20_Nss1,(MCS0)_2TX

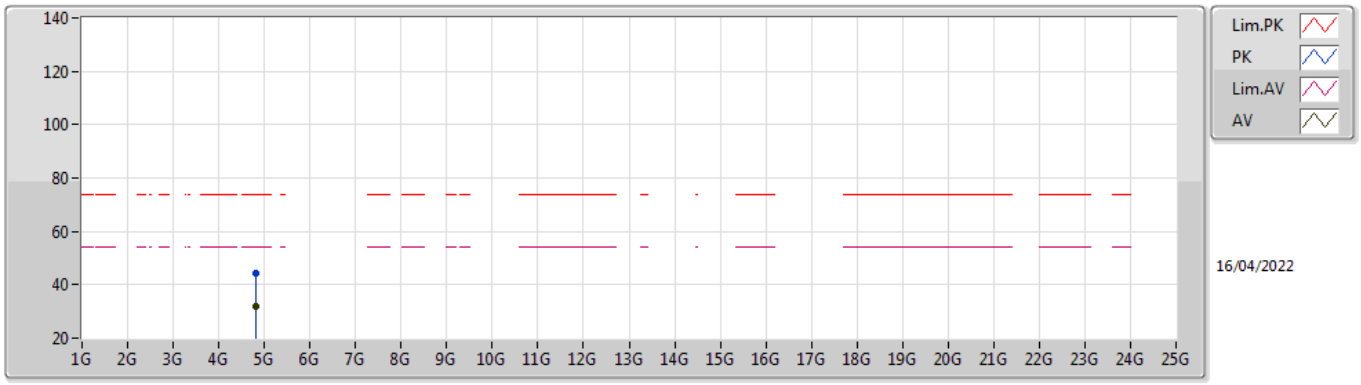
2412MHz_TX



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	50.38	54.00	-3.62	36.00	3	Horizontal	78	1.06	-	14.38	27.72	8.28	-
AV	2.4192G	91.53	Inf	-Inf	35.88	3	Horizontal	78	1.06	-	55.65	27.58	8.30	-
PK	2.3882G	62.28	74.00	-11.72	36.00	3	Horizontal	78	1.06	-	26.28	27.72	8.28	-
PK	2.419G	101.85	Inf	-Inf	35.89	3	Horizontal	78	1.06	-	65.96	27.59	8.30	-

VHT20_Nss1,(MCS0)_2TX

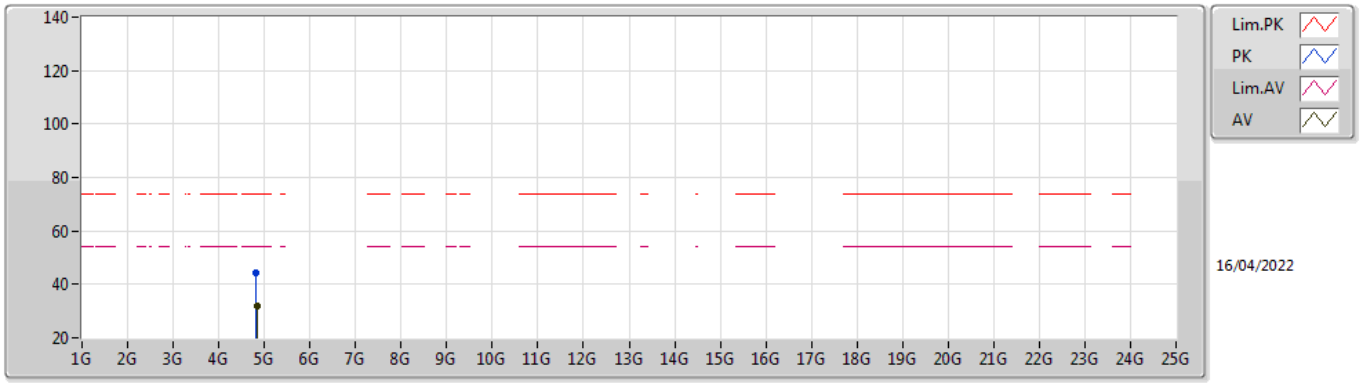
2412MHz_TX



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	4.82776G	31.77	54.00	-22.23	6.66	3	Vertical	331	1.50	-	25.11	31.16	9.68	34.18
PK	4.81548G	44.55	74.00	-29.45	6.62	3	Vertical	331	1.50	-	37.93	31.13	9.68	34.19

VHT20_Nss1,(MCS0)_2TX

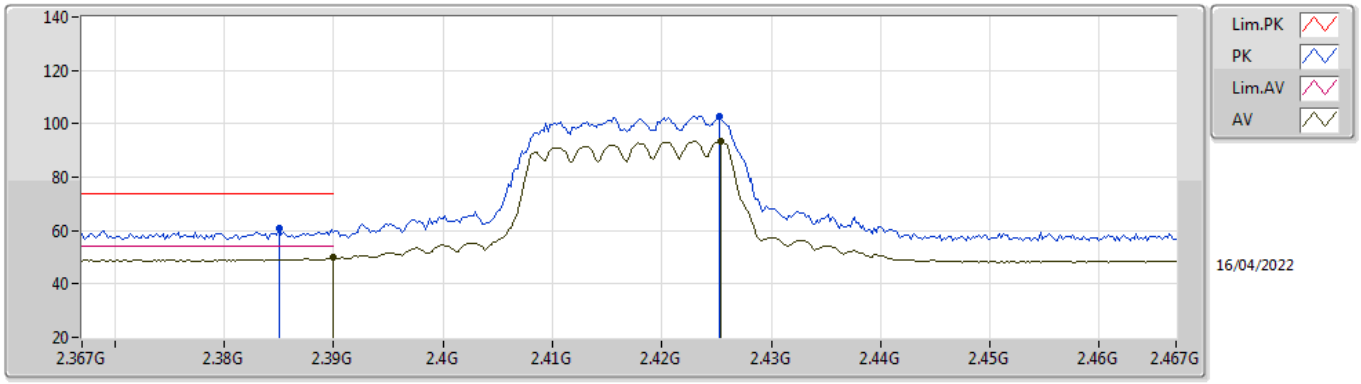
2412MHz_TX



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	4.83364G	31.64	54.00	-22.36	6.67	3	Horizontal	9	1.50	-	24.97	31.17	9.68	34.18
PK	4.81572G	44.27	74.00	-29.73	6.62	3	Horizontal	9	1.50	-	37.65	31.13	9.68	34.19

VHT20_Nss1,(MCS0)_2TX

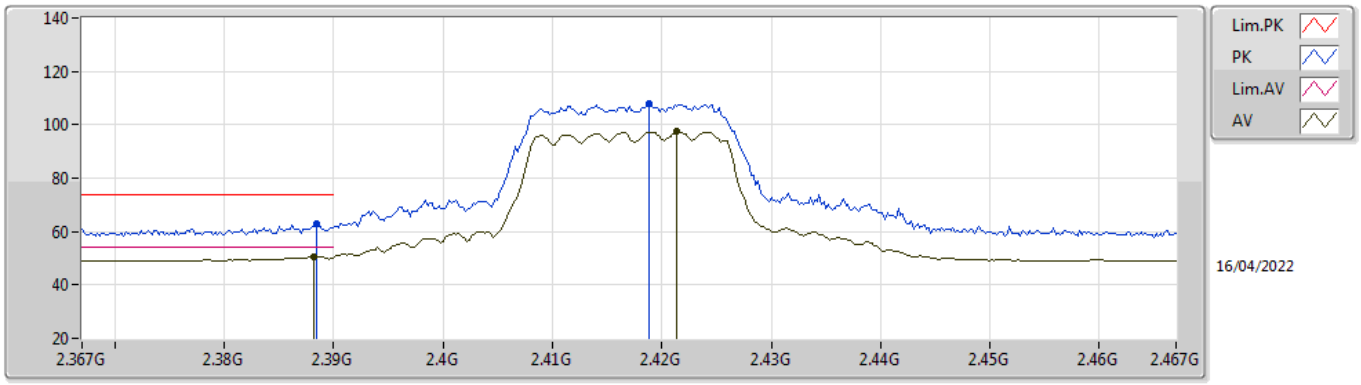
2417MHz_TX



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	49.82	54.00	-4.18	36.00	3	Vertical	59	1.58	-	13.82	27.72	8.28	-
AV	2.4254G	93.25	Inf	-Inf	35.86	3	Vertical	59	1.58	-	57.39	27.55	8.31	-
PK	2.385G	60.71	74.00	-13.29	36.01	3	Vertical	59	1.58	-	24.70	27.73	8.28	-
PK	2.4252G	102.80	Inf	-Inf	35.86	3	Vertical	59	1.58	-	66.94	27.55	8.31	-

VHT20_Nss1,(MCS0)_2TX

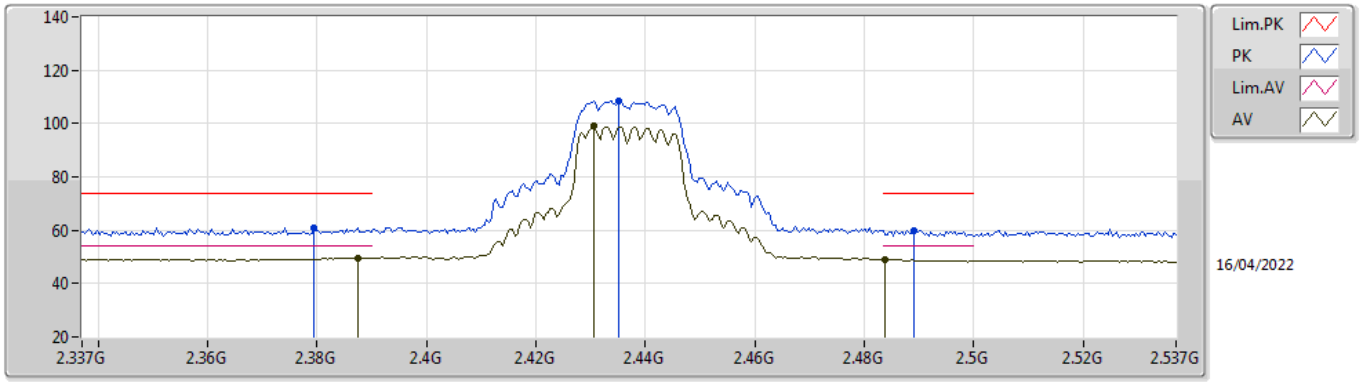
2417MHz_TX



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	2.3882G	50.69	54.00	-3.31	36.00	3	Horizontal	79	1.00	-	14.69	27.72	8.28	-
AV	2.4214G	97.36	Inf	-Inf	35.87	3	Horizontal	79	1.00	-	61.49	27.57	8.30	-
PK	2.3884G	62.81	74.00	-11.19	36.00	3	Horizontal	79	1.00	-	26.81	27.72	8.28	-
PK	2.4188G	107.80	Inf	-Inf	35.89	3	Horizontal	79	1.00	-	71.91	27.59	8.30	-

VHT20_Nss1,(MCS0)_2TX

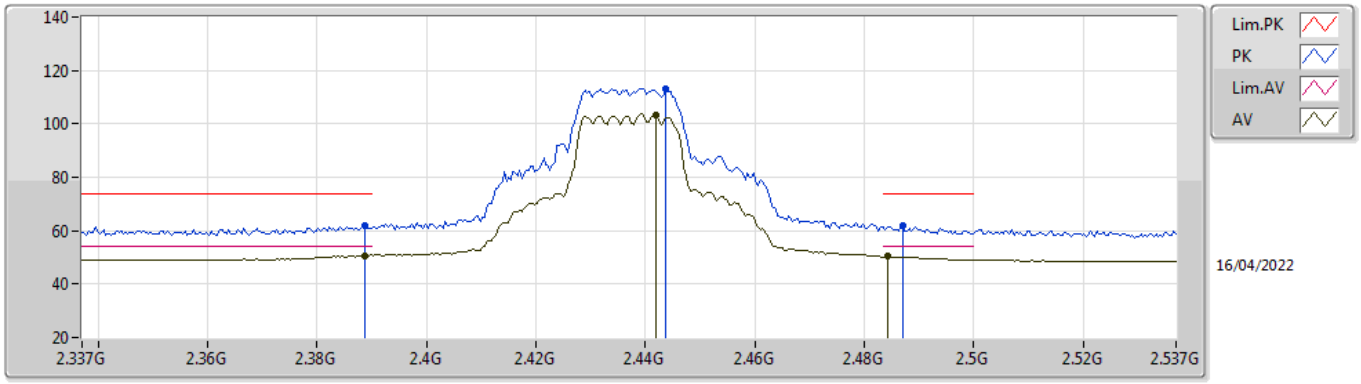
2437MHz_TX



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	2.3874G	49.69	54.00	-4.31	36.01	3	Vertical	61	1.97	-	13.68	27.73	8.28	-
AV	2.4306G	99.24	Inf	-Inf	35.83	3	Vertical	61	1.97	-	63.41	27.52	8.31	-
AV	2.4838G	49.03	54.00	-4.97	35.74	3	Vertical	61	1.97	-	13.29	27.40	8.34	-
PK	2.3794G	60.72	74.00	-13.28	36.01	3	Vertical	61	1.97	-	24.71	27.74	8.27	-
PK	2.435G	108.53	Inf	-Inf	35.80	3	Vertical	61	1.97	-	72.73	27.49	8.31	-
PK	2.489G	60.06	74.00	-13.94	35.75	3	Vertical	61	1.97	-	24.31	27.40	8.35	-

VHT20_Nss1,(MCS0)_2TX

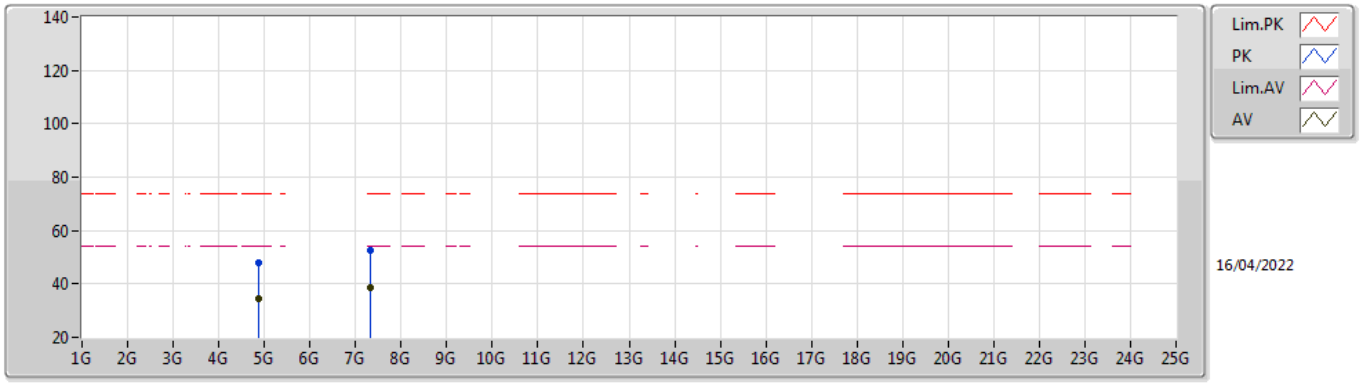
2437MHz_TX



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	2.3886G	50.66	54.00	-3.34	36.00	3	Horizontal	81	1.00	-	14.66	27.72	8.28	-
AV	2.4418G	103.14	Inf	-Inf	35.77	3	Horizontal	81	1.00	-	67.37	27.45	8.32	-
AV	2.4842G	50.37	54.00	-3.63	35.74	3	Horizontal	81	1.00	-	14.63	27.40	8.34	-
PK	2.3886G	61.67	74.00	-12.33	36.00	3	Horizontal	81	1.00	-	25.67	27.72	8.28	-
PK	2.4438G	113.28	Inf	-Inf	35.76	3	Horizontal	81	1.00	-	77.52	27.44	8.32	-
PK	2.487G	61.73	74.00	-12.27	35.75	3	Horizontal	81	1.00	-	25.98	27.40	8.35	-

VHT20_Nss1,(MCS0)_2TX

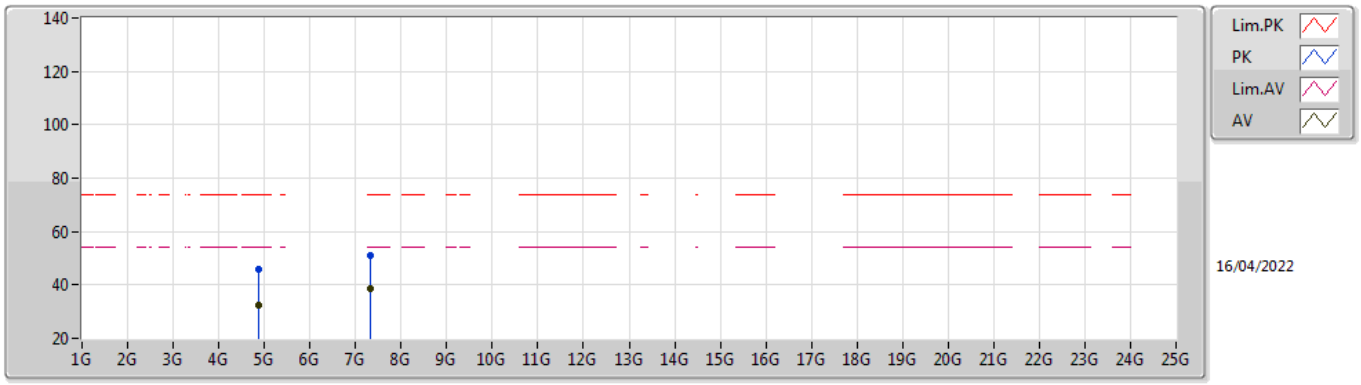
2437MHz_TX



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	4.87532G	34.29	54.00	-19.71	6.74	3	Vertical	193	2.48	-	27.55	31.20	9.70	34.16
AV	7.31604G	38.87	54.00	-15.13	13.19	3	Vertical	278	1.76	-	25.68	36.37	11.32	34.50
PK	4.8754G	47.75	74.00	-26.25	6.74	3	Vertical	193	2.48	-	41.01	31.20	9.70	34.16
PK	7.31116G	52.72	74.00	-21.28	13.20	3	Vertical	278	1.76	-	39.52	36.38	11.32	34.50

VHT20_Nss1,(MCS0)_2TX

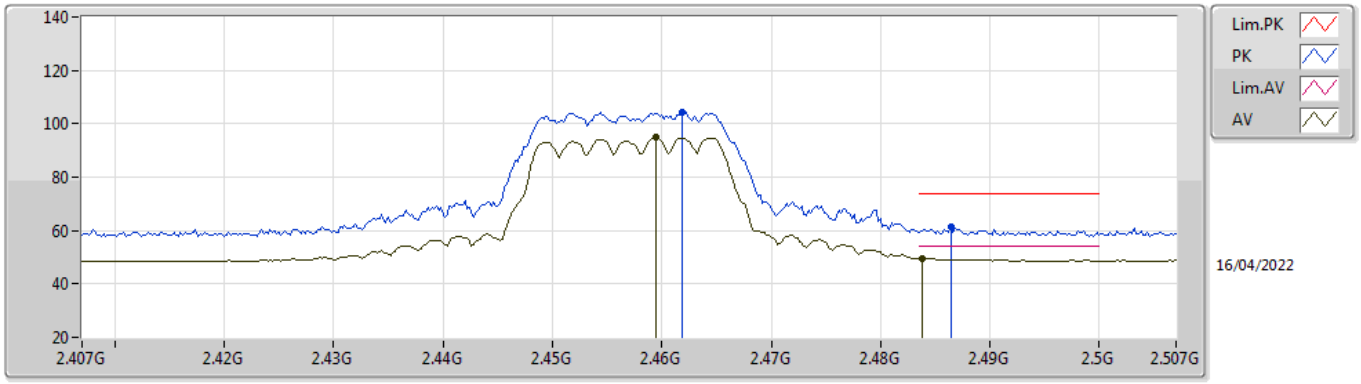
2437MHz_TX



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	4.87824G	32.47	54.00	-21.53	6.74	3	Horizontal	85	2.24	-	25.73	31.20	9.70	34.16
AV	7.3114G	38.38	54.00	-15.62	13.20	3	Horizontal	153	2.23	-	25.18	36.38	11.32	34.50
PK	4.87236G	45.74	74.00	-28.26	6.74	3	Horizontal	85	2.24	-	39.00	31.20	9.70	34.16
PK	7.31532G	51.13	74.00	-22.87	13.19	3	Horizontal	153	2.23	-	37.94	36.37	11.32	34.50

VHT20_Nss1,(MCS0)_2TX

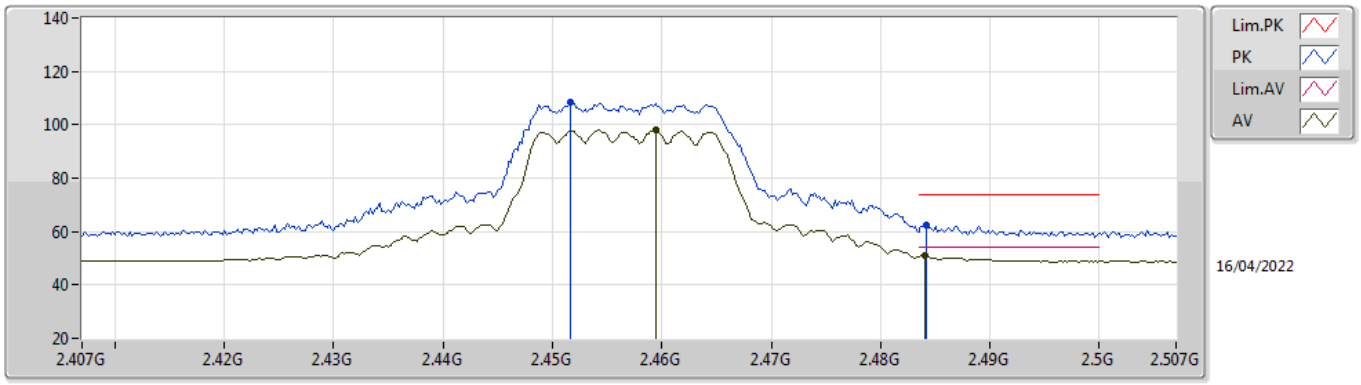
2457MHz_TX



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	2.4594G	94.80	Inf	-Inf	35.73	3	Vertical	344	2.81	-	59.07	27.40	8.33	-
AV	2.4838G	49.66	54.00	-4.34	35.74	3	Vertical	344	2.81	-	13.92	27.40	8.34	-
PK	2.4618G	104.44	Inf	-Inf	35.73	3	Vertical	344	2.81	-	68.71	27.40	8.33	-
PK	2.4864G	61.25	74.00	-12.75	35.75	3	Vertical	344	2.81	-	25.50	27.40	8.35	-

VHT20_Nss1,(MCS0)_2TX

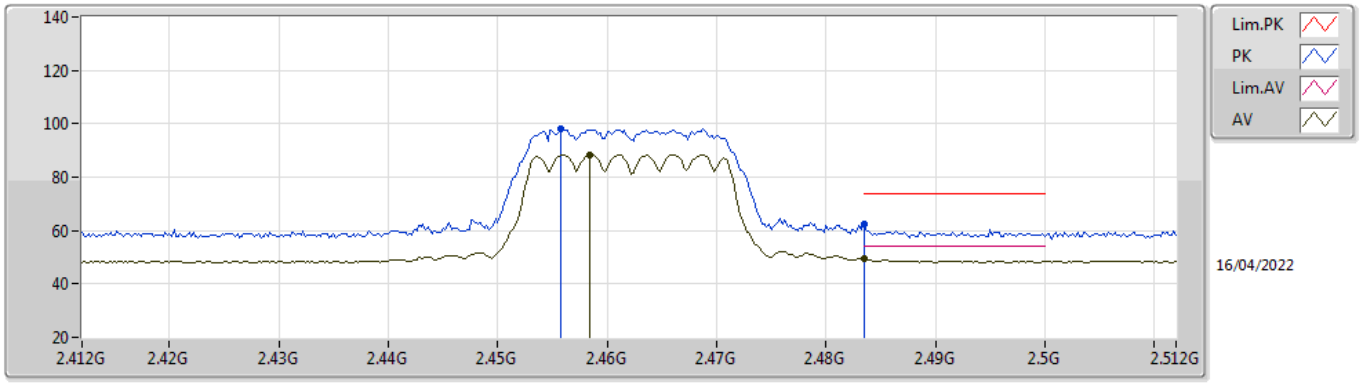
2457MHz_TX



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	2.4594G	98.12	Inf	-Inf	35.73	3	Horizontal	60	2.50	-	62.39	27.40	8.33	-
AV	2.484G	50.86	54.00	-3.14	35.74	3	Horizontal	60	2.50	-	15.12	27.40	8.34	-
PK	2.4516G	108.39	Inf	-Inf	35.72	3	Horizontal	60	2.50	-	72.67	27.40	8.32	-
PK	2.4842G	62.25	74.00	-11.75	35.74	3	Horizontal	60	2.50	-	26.51	27.40	8.34	-

VHT20_Nss1,(MCS0)_2TX

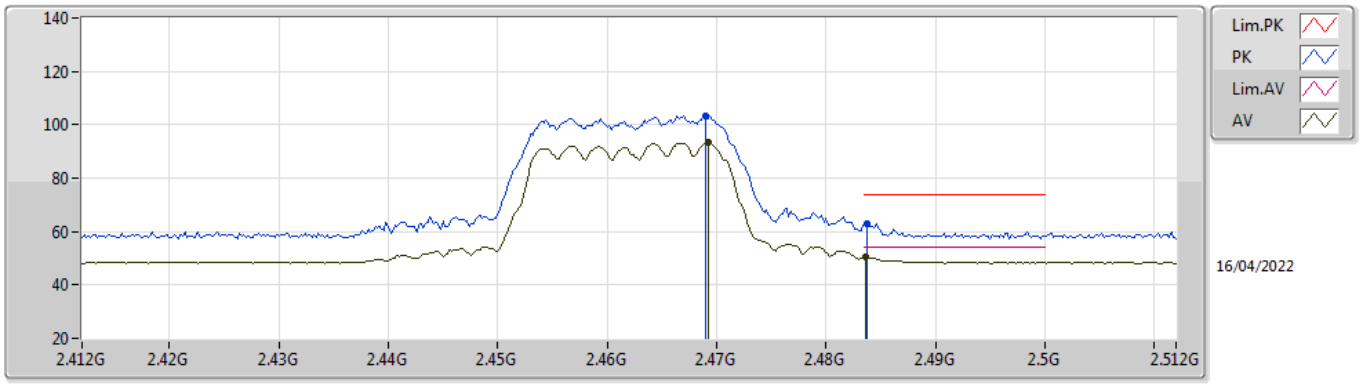
2462MHz_TX



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	2.4584G	88.41	Inf	-Inf	35.73	3	Vertical	259	1.94	-	52.68	27.40	8.33	-
AV	2.4835G	49.25	54.00	-4.75	35.74	3	Vertical	259	1.94	-	13.51	27.40	8.34	-
PK	2.4558G	98.15	Inf	-Inf	35.73	3	Vertical	259	1.94	-	62.42	27.40	8.33	-
PK	2.4835G	62.58	74.00	-11.42	35.74	3	Vertical	259	1.94	-	26.84	27.40	8.34	-

VHT20_Nss1,(MCS0)_2TX

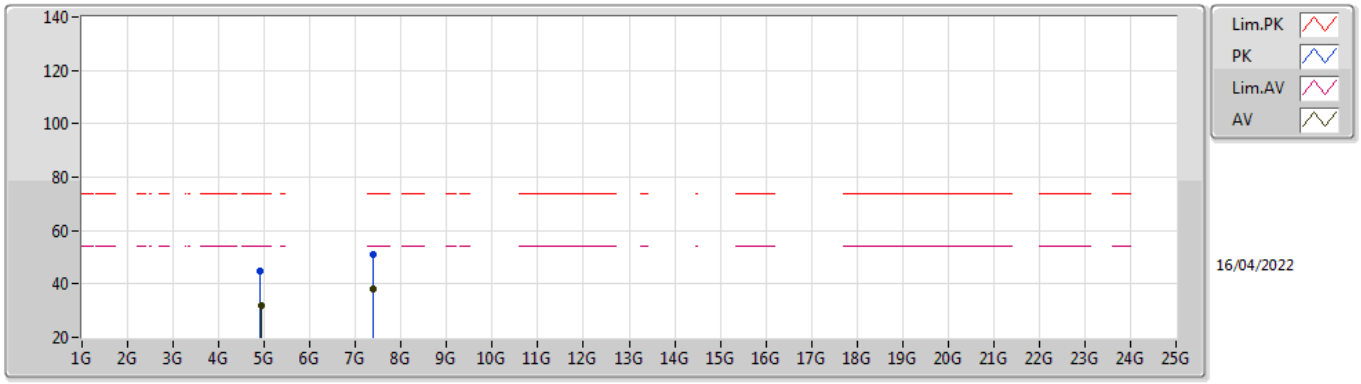
2462MHz_TX



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	2.4692G	93.49	Inf	-Inf	35.73	3	Horizontal	66	2.72	-	57.76	27.40	8.33	-
AV	2.4836G	50.52	54.00	-3.48	35.74	3	Horizontal	66	2.72	-	14.78	27.40	8.34	-
PK	2.469G	103.52	Inf	-Inf	35.73	3	Horizontal	66	2.72	-	67.79	27.40	8.33	-
PK	2.4838G	63.14	74.00	-10.86	35.74	3	Horizontal	66	2.72	-	27.40	27.40	8.34	-

VHT20_Nss1,(MCS0)_2TX

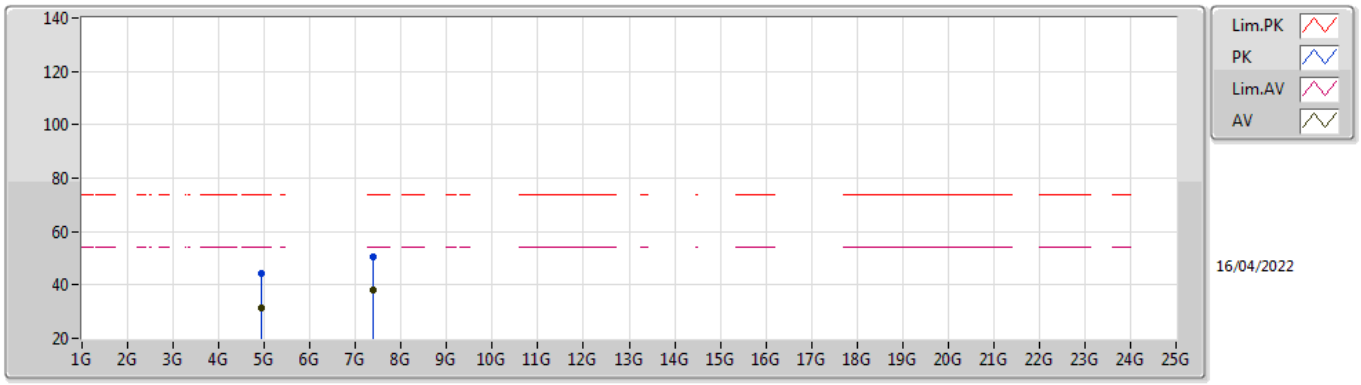
2462MHz_TX



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	4.92948G	31.65	54.00	-22.35	6.91	3	Vertical	302	1.50	-	24.74	31.32	9.72	34.13
AV	7.39416G	37.97	54.00	-16.03	13.06	3	Vertical	279	1.39	-	24.91	36.21	11.34	34.49
PK	4.91508G	44.97	74.00	-29.03	6.84	3	Vertical	302	1.50	-	38.13	31.26	9.72	34.14
PK	7.39084G	50.99	74.00	-23.01	13.07	3	Vertical	279	1.39	-	37.92	36.22	11.34	34.49

VHT20_Nss1,(MCS0)_2TX

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	4.92588G	31.48	54.00	-22.52	6.88	3	Horizontal	185	3.00	-	24.60	31.30	9.72	34.14
AV	7.38292G	37.92	54.00	-16.08	13.08	3	Horizontal	265	1.50	-	24.84	36.23	11.34	34.49
PK	4.91984G	44.07	74.00	-29.93	6.86	3	Horizontal	185	3.00	-	37.21	31.28	9.72	34.14
PK	7.38548G	50.77	74.00	-23.23	13.08	3	Horizontal	265	1.50	-	37.69	36.23	11.34	34.49