FCC Radio Test Report

FCC ID	:	**2A4DH-1021**
Equipment	:	**802.11a/b/g/n/ac dual-band Wi-Fi + BT 5.1 Module**
Model Name	:	**WM-BAC-MT-53**
Applicant	:	**Amazon.com Services LLC 410 Terry Avenue North, Seattle, WA 98109, USA**
Manufacturer	:	**Amazon.com Services LLC 410 Terry Avenue North, Seattle, WA 98109, USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on May 27, 2022, and testing was started from Jun. 18, 2022 and completed on Jul. 12, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR252304AC	01	Initial issue of report	Aug. 17, 2022
FR252304AC	02	Revised typo (This report is the latest version replacing for the report issued on Aug. 17, 2022.)	Sep. 16, 2022
FR252304AC	03	Revised typo (This report is the latest version replacing for the report issued on Sep. 16, 2022.)	Oct. 31, 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: Ben Tseng

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), VHT2	2412-2472	1-13 [13]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	VHT20	20	1TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- 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	USI	MT53	PIFA	N/A
2	USI	MT53	PIFA	N/A

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	4.27	6.06	-
2	1	-	-	4.35

Note: The antenna mentioned above will not be sold with the EUT in the market.

For 2.4GHz function:

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

Ant. 1 (port 1) could transmit/receive.

For BT function:

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

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

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition					
EUT Power Type	From Test Fixture				
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)_1TX	0.995	0.02	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	0.963	0.16	1.393m	1k
802.11n HT20_Nss1,(MCS0)_1TX	0.96	0.18	1.301m	1k
VHT20_Nss1,(MCS0)_1TX	0.963	0.16	1.313m	1k

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

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013

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

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

1.3 Testing Location Information

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	Ivan Chung	23.1~23.3°C / 57~59%	01/Jul/2022~06/Jul/2022
RF Conducted	TH07-HY	Yuna Lin	24.6~26.1°C / 58~65%	23/Jun/2022~27/Jun/2022
Radiated	03CH03-HY	Billy Wang	23.5~24.4°C / 55~60%	18/Jun/2022~12/Jul/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**
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Receiver Radiated Unwanted Emissions	4.8 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	Terminal:7663mp1827

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	25
2437MHz	25
2457MHz	25
2462MHz	23.5
2467MHz	17.5
2472MHz	15
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	18
2417MHz	20.5
2437MHz	24.5
2457MHz	19
2462MHz	18
2467MHz	15
2472MHz	12
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	18
2417MHz	20.5
2437MHz	24.5
2457MHz	19.5
2462MHz	18
2467MHz	15
2472MHz	10.5
VHT20_Nss1,(MCS0)_1TX	-
2412MHz	18
2417MHz	20.5
2437MHz	24.5
2457MHz	19.5
2462MHz	18
2467MHz	15
2472MHz	10.5

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	Test Fixture 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	Test Fixture Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	802.11b channel 6 (2437MHz) + BLE 1M channel 17 (2440MHz)
2	802.11a channel 48 (5240MHz) + BLE 1M channel 17 (2440MHz)
3	802.11b channel 11 (2462MHz) + BLE 1M channel 11 (2424MHz)
4	802.11b channel 8 (2447MHz) + BLE 1M channel 1 (2404MHz)
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA252304 for Co-location RF Exposure Evaluation.	

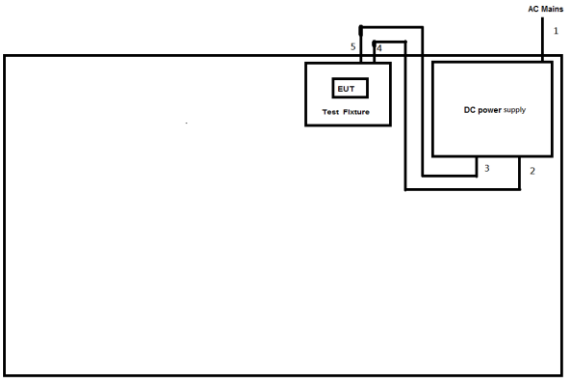
2.3 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power Cable	Power sync	PW-GPC180-3	-	-
2	DC Power Cable(+)	MiSUMi	WTN1229-BLACK	-	-
3	DC Power Cable(-)	MiSUMi	WTN1229-RED	-	-
4	Fixture	-	-	-	Provided by Customer
5	DC Power Supply	GW	GPR-3510HD	-	-

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	HSTNN-142C	-	-
2	Adapter for NB	HP	HSTNN-LA40	-	-
3	DC Power Supply	GW	GPR-3510HD	-	-
4	DC Power Cable(+)	MiSUMi	WTN1229-BLACK	-	-
5	DC Power Cable(-)	MiSUMi	WTN1229-RED	-	-

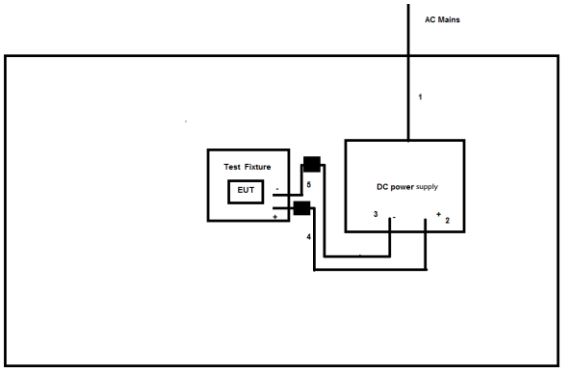
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable(+)	No	0.1	-
5	DC Power cable(-)	No	0.1	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable(+)	No	0.1	-
5	DC Power cable(-)	No	0.1	-

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

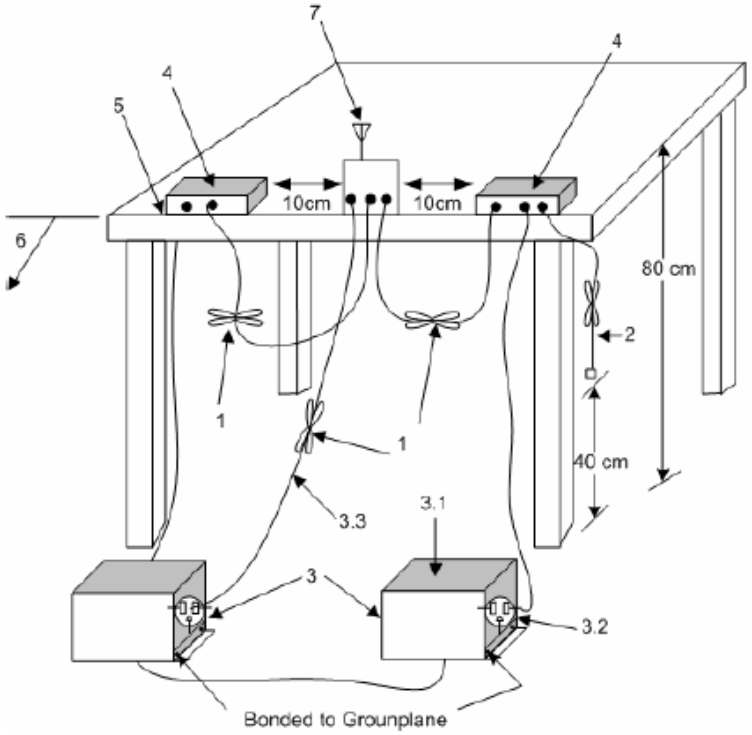
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

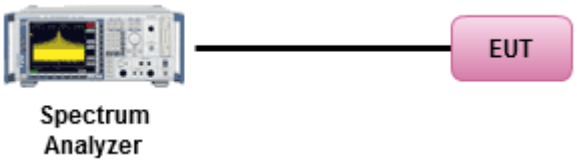
3.2.2 Measuring Instruments

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 (11.9.2.3.1 Method AVGPM 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

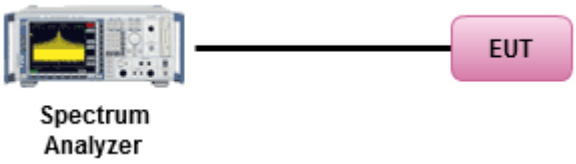
3.4.2 Measuring Instruments

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 (11.10.2 Method PKPSD 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.	

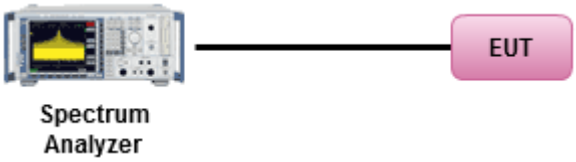
3.5.2 Measuring Instruments

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.

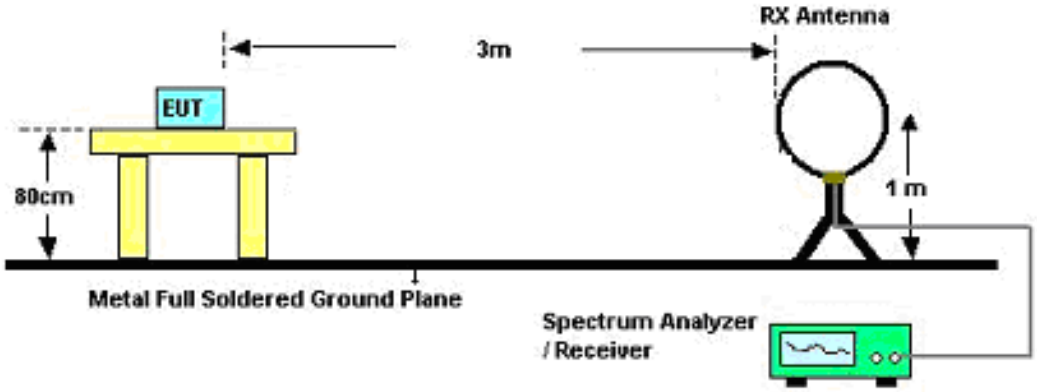
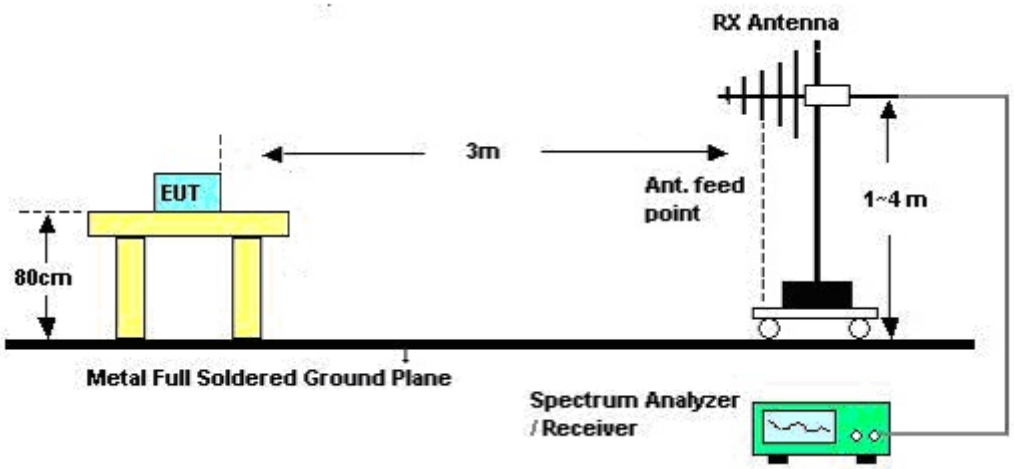
3.6.3 Test Procedures

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.

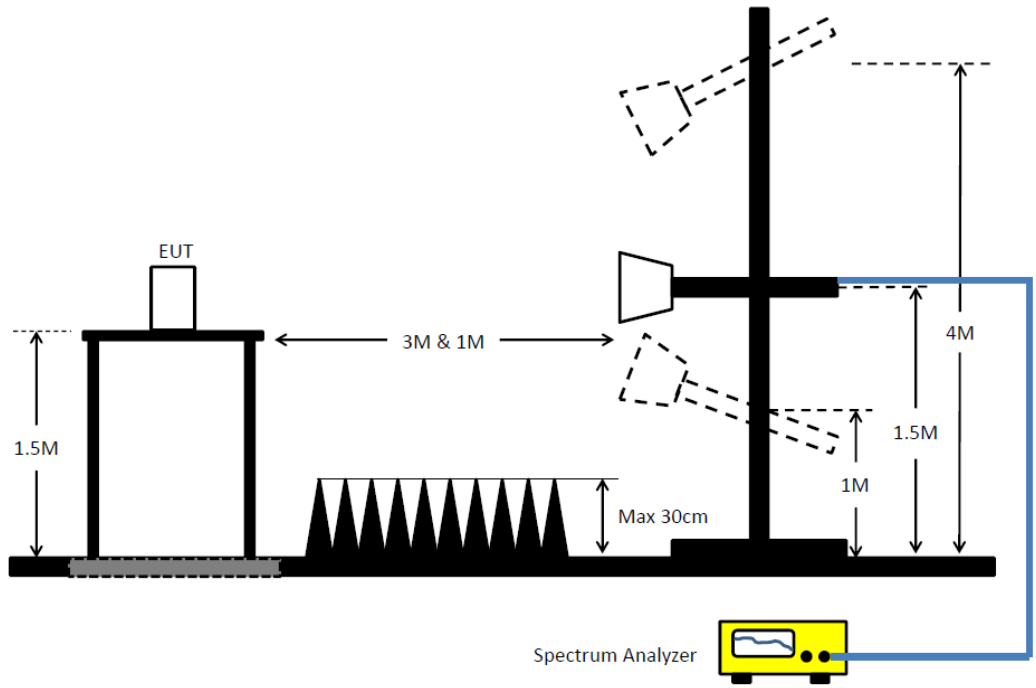
3.6.4 Measurement Results Calculation

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	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
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	V5.10.14	-	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	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
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	13/May/2022	12/May/2023
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
SENSE-EMI	Sporton	v5.10.7.15	NA	NA	NA	NA
SENSE-DTS	Sporton	v5.10.7.18	NA	NA	NA	NA

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15247_DTS	Sporton	V5.10.8.1	N/A	N/A	N/A	N/A

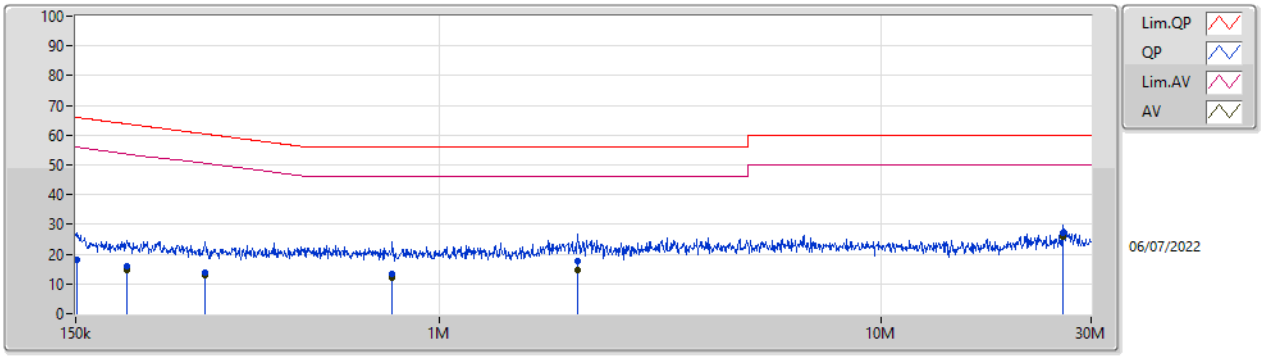
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	25.961M	25.84	50.00	-24.16	Line

Result

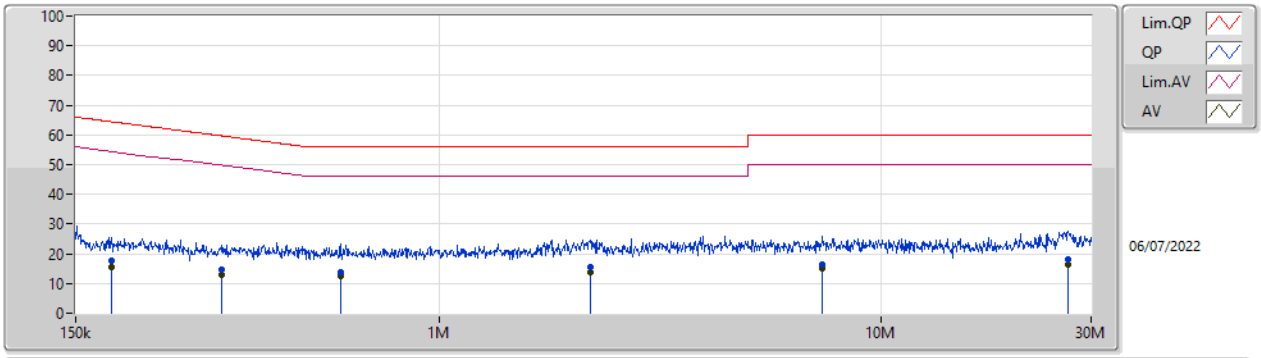
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	151.202k	17.98	65.92	-47.94	Line	-
Mode 1	Pass	AV	151.202k	17.97	55.92	-37.95	Line	-
Mode 1	Pass	QP	195.997k	16.05	63.78	-47.73	Line	-
Mode 1	Pass	AV	195.997k	14.77	53.78	-39.01	Line	-
Mode 1	Pass	QP	294.502k	13.78	60.40	-46.62	Line	-
Mode 1	Pass	AV	294.502k	12.75	50.40	-37.65	Line	-
Mode 1	Pass	QP	783.156k	13.33	56.00	-42.67	Line	-
Mode 1	Pass	AV	783.156k	12.15	46.00	-33.85	Line	-
Mode 1	Pass	QP	2.058M	17.47	56.00	-38.53	Line	-
Mode 1	Pass	AV	2.058M	14.78	46.00	-31.22	Line	-
Mode 1	Pass	QP	25.961M	27.14	60.00	-32.86	Line	-
Mode 1	Pass	AV	25.961M	25.84	50.00	-24.16	Line	-
Mode 1	Pass	QP	180.957k	17.73	64.43	-46.70	Neutral	-
Mode 1	Pass	AV	180.957k	15.69	54.43	-38.74	Neutral	-
Mode 1	Pass	QP	320.256k	14.64	59.71	-45.07	Neutral	-
Mode 1	Pass	AV	320.256k	13.08	49.71	-36.63	Neutral	-
Mode 1	Pass	QP	596.975k	13.64	56.00	-42.36	Neutral	-
Mode 1	Pass	AV	596.975k	12.39	46.00	-33.61	Neutral	-
Mode 1	Pass	QP	2.202M	15.59	56.00	-40.41	Neutral	-
Mode 1	Pass	AV	2.202M	13.74	46.00	-32.26	Neutral	-
Mode 1	Pass	QP	7.382M	16.21	60.00	-43.79	Neutral	-
Mode 1	Pass	AV	7.382M	14.98	50.00	-35.02	Neutral	-
Mode 1	Pass	QP	26.59M	18.29	60.00	-41.71	Neutral	-
Mode 1	Pass	AV	26.59M	16.35	50.00	-33.65	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	151.202k	17.98	65.92	-47.94	19.63	Line	-	-1.65	9.69	0.03	9.91
AV	151.202k	17.97	55.92	-37.95	19.63	Line	-	-1.66	9.69	0.03	9.91
QP	195.997k	16.05	63.78	-47.73	19.63	Line	-	-3.58	9.69	0.03	9.91
AV	195.997k	14.77	53.78	-39.01	19.63	Line	-	-4.86	9.69	0.03	9.91
QP	294.502k	13.78	60.40	-46.62	19.63	Line	-	-5.85	9.68	0.04	9.91
AV	294.502k	12.75	50.40	-37.65	19.63	Line	-	-6.88	9.68	0.04	9.91
QP	783.156k	13.33	56.00	-42.67	19.65	Line	-	-6.32	9.68	0.05	9.92
AV	783.156k	12.15	46.00	-33.85	19.65	Line	-	-7.50	9.68	0.05	9.92
QP	2.058M	17.47	56.00	-38.53	19.70	Line	-	-2.23	9.70	0.08	9.92
AV	2.058M	14.78	46.00	-31.22	19.70	Line	-	-4.92	9.70	0.08	9.92
QP	25.961M	27.14	60.00	-32.86	20.05	Line	-	7.09	9.80	0.32	9.93
AV	25.961M	25.84	50.00	-24.16	20.05	Line	-	5.79	9.80	0.32	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	180.957k	17.73	64.43	-46.70	19.66	Neutral	-	-1.93	9.72	0.03	9.91
AV	180.957k	15.69	54.43	-38.74	19.66	Neutral	-	-3.97	9.72	0.03	9.91
QP	320.256k	14.64	59.71	-45.07	19.67	Neutral	-	-5.03	9.72	0.04	9.91
AV	320.256k	13.08	49.71	-36.63	19.67	Neutral	-	-6.59	9.72	0.04	9.91
QP	596.975k	13.64	56.00	-42.36	19.67	Neutral	-	-6.03	9.72	0.04	9.91
AV	596.975k	12.39	46.00	-33.61	19.67	Neutral	-	-7.28	9.72	0.04	9.91
QP	2.202M	15.59	56.00	-40.41	19.75	Neutral	-	-4.16	9.74	0.09	9.92
AV	2.202M	13.74	46.00	-32.26	19.75	Neutral	-	-6.01	9.74	0.09	9.92
QP	7.382M	16.21	60.00	-43.79	19.94	Neutral	-	-3.73	9.85	0.16	9.93
AV	7.382M	14.98	50.00	-35.02	19.94	Neutral	-	-4.96	9.85	0.16	9.93
QP	26.59M	18.29	60.00	-41.71	20.35	Neutral	-	-2.06	10.10	0.32	9.93
AV	26.59M	16.35	50.00	-33.65	20.35	Neutral	-	-4.00	10.10	0.32	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)_1TX	10.075M	16.067M	16M1G1D	9.05M	13.343M
802.11g_Nss1,(6Mbps)_1TX	15.1M	17.991M	18M0D1D	15.05M	16.467M
802.11n HT20_Nss1,(MCS0)_1TX	15.125M	18.691M	18M7D1D	14.2M	17.566M
VHT20_Nss1,(MCS0)_1TX	15.1M	18.816M	18M8D1D	15.05M	17.566M

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

Result

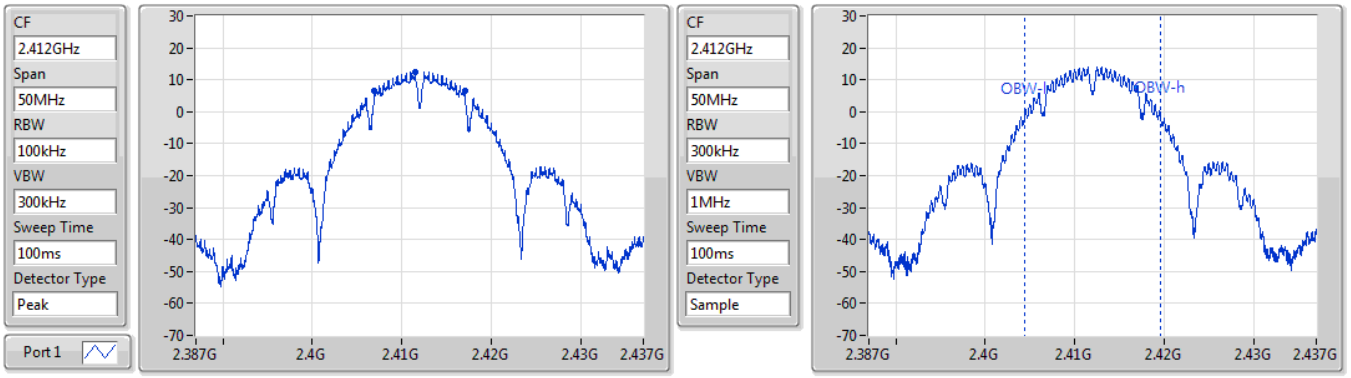
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.05M	15.167M
2437MHz	Pass	500k	10.075M	16.067M
2462MHz	Pass	500k	9.05M	13.968M
2467MHz	Pass	500k	9.075M	13.418M
2472MHz	Pass	500k	9.05M	13.343M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.05M	16.492M
2437MHz	Pass	500k	15.075M	17.991M
2462MHz	Pass	500k	15.1M	16.517M
2467MHz	Pass	500k	15.1M	16.467M
2472MHz	Pass	500k	15.1M	16.517M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	15.075M	17.641M
2437MHz	Pass	500k	15.075M	18.691M
2462MHz	Pass	500k	15.1M	17.616M
2467MHz	Pass	500k	14.2M	17.641M
2472MHz	Pass	500k	15.125M	17.566M
VHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	15.1M	17.616M
2437MHz	Pass	500k	15.05M	18.816M
2462MHz	Pass	500k	15.075M	17.566M
2467MHz	Pass	500k	15.075M	17.591M
2472MHz	Pass	500k	15.075M	17.566M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

24/06/2022

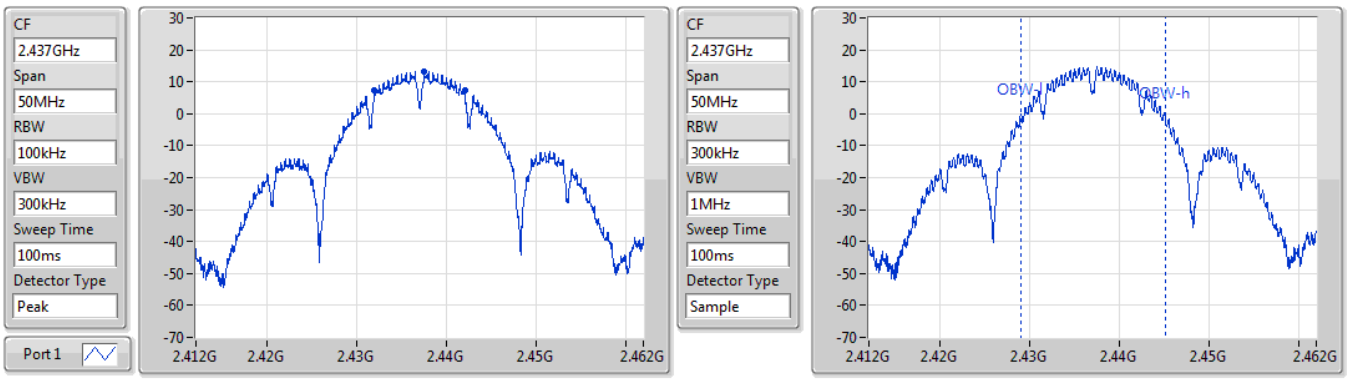


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.406975G	2.417025G	15.167M	2.404404G	2.419571G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

24/06/2022

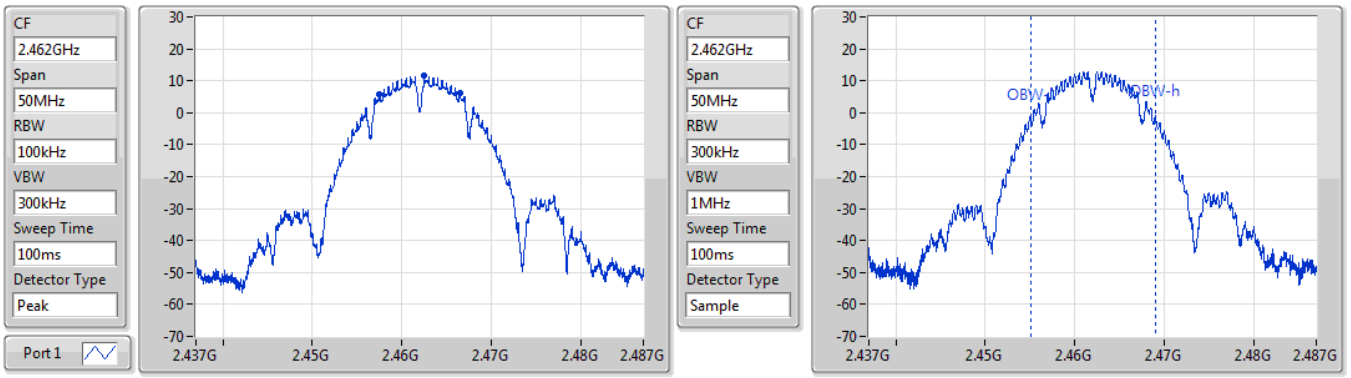


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.075M	2.431975G	2.44205G	16.067M	2.429054G	2.445121G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

24/06/2022

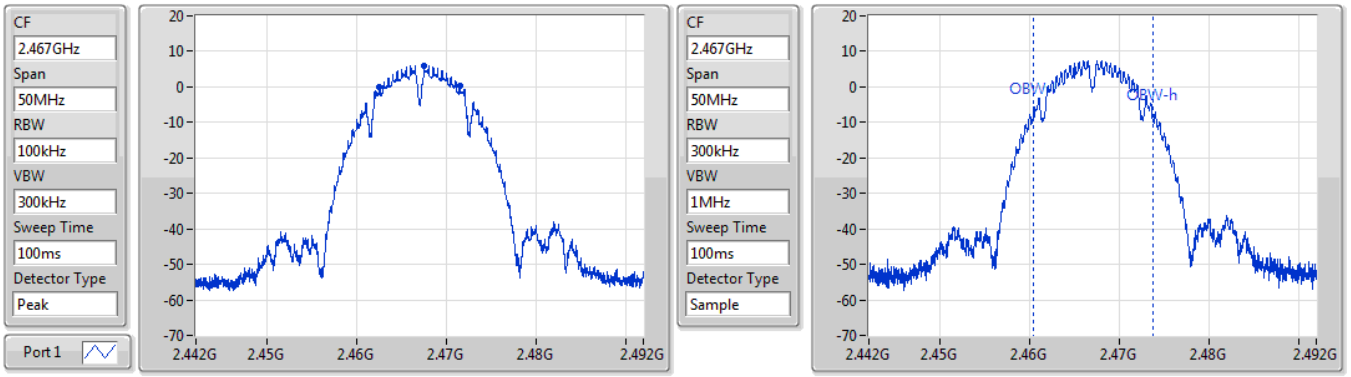


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.457475G	2.466525G	13.968M	2.455078G	2.469046G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2467MHz

24/06/2022

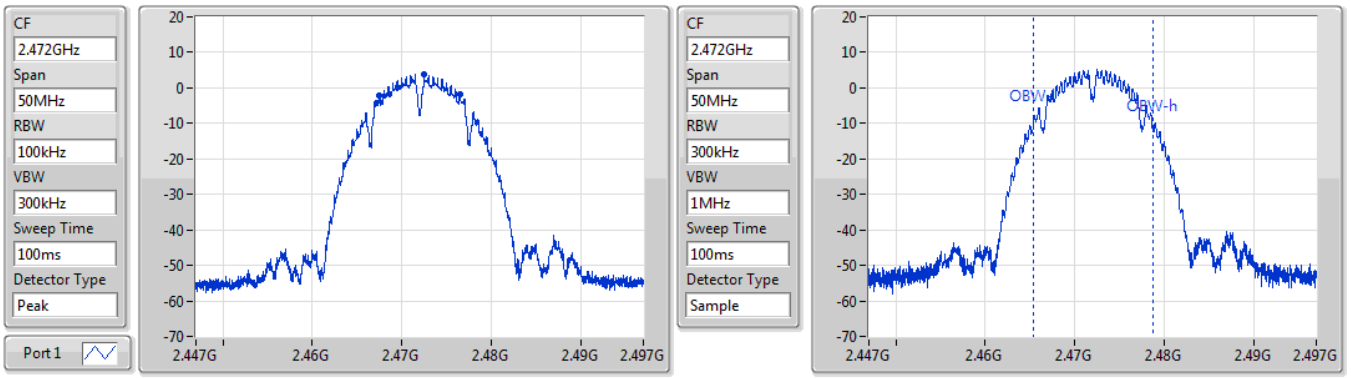


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.075M	2.462475G	2.47155G	13.418M	2.460353G	2.473772G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2472MHz

24/06/2022

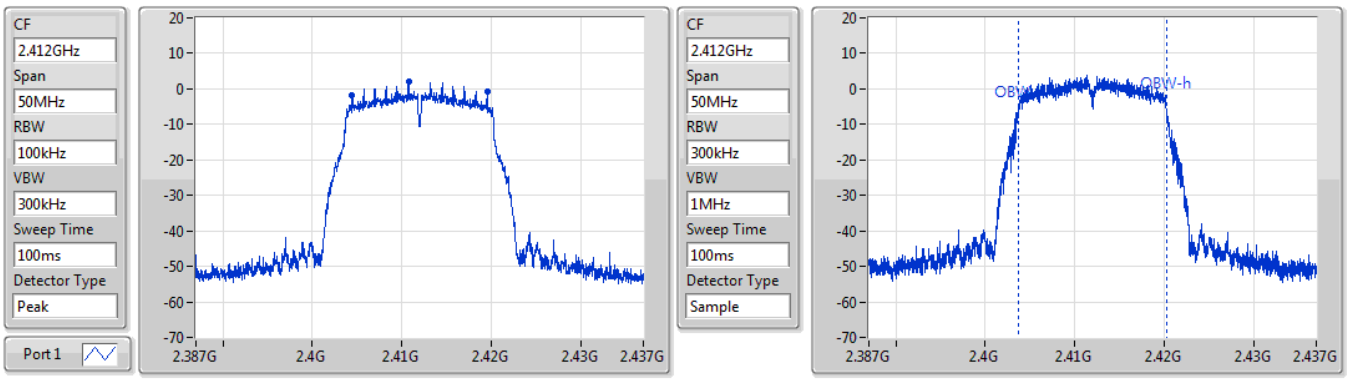


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.467475G	2.476525G	13.343M	2.465378G	2.478722G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

24/06/2022

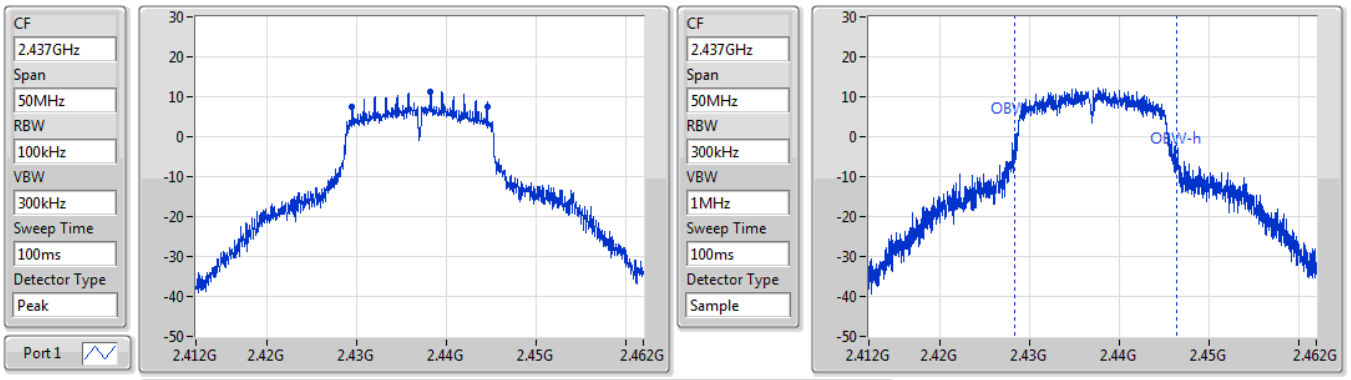


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.404475G	2.419525G	16.492M	2.403729G	2.420221G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

24/06/2022

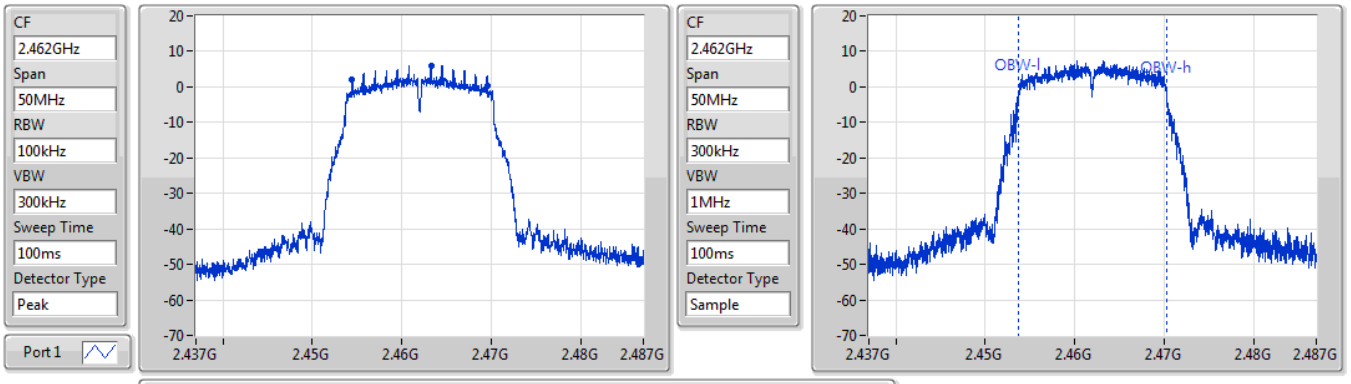


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.429475G	2.44455G	17.991M	2.428354G	2.446345G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

24/06/2022

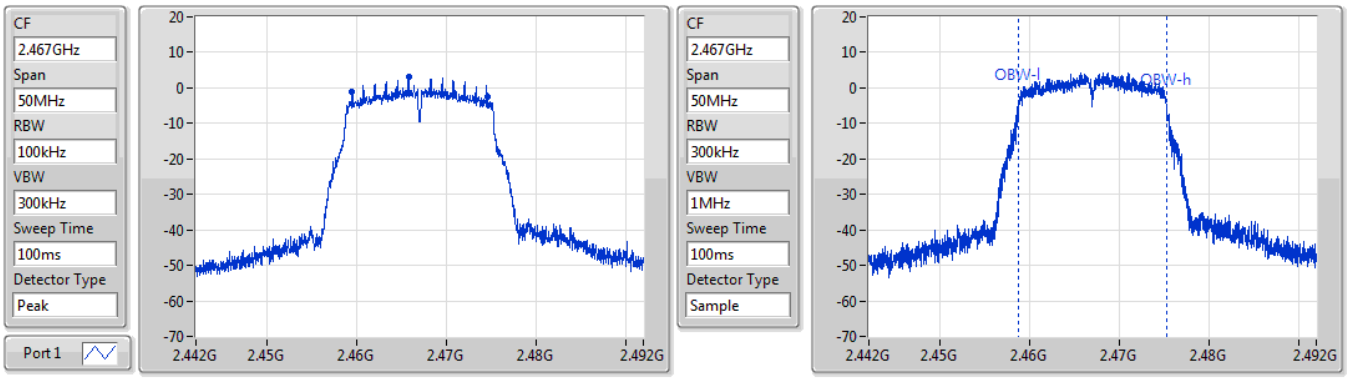


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.454475G	2.469575G	16.517M	2.453754G	2.470271G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2467MHz

24/06/2022

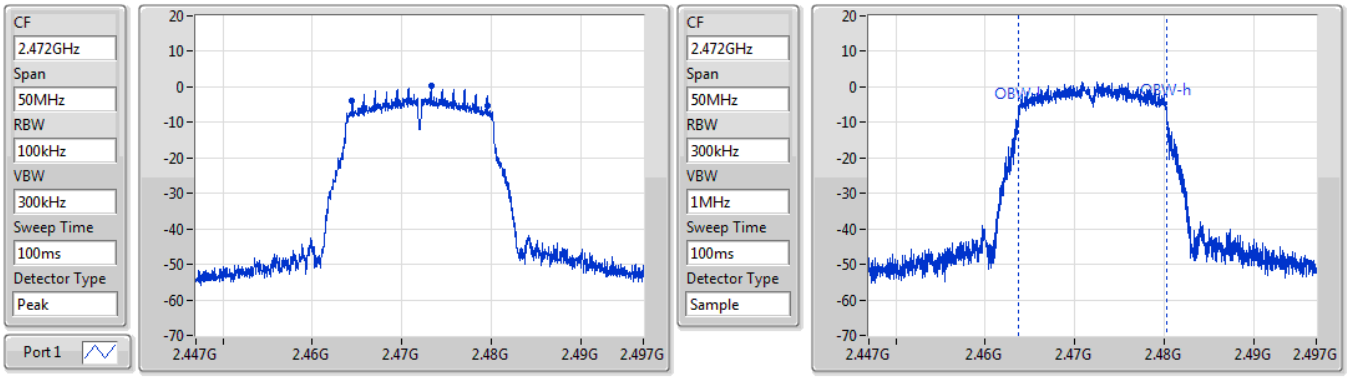


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.459475G	2.474575G	16.467M	2.458779G	2.475246G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2472MHz

24/06/2022

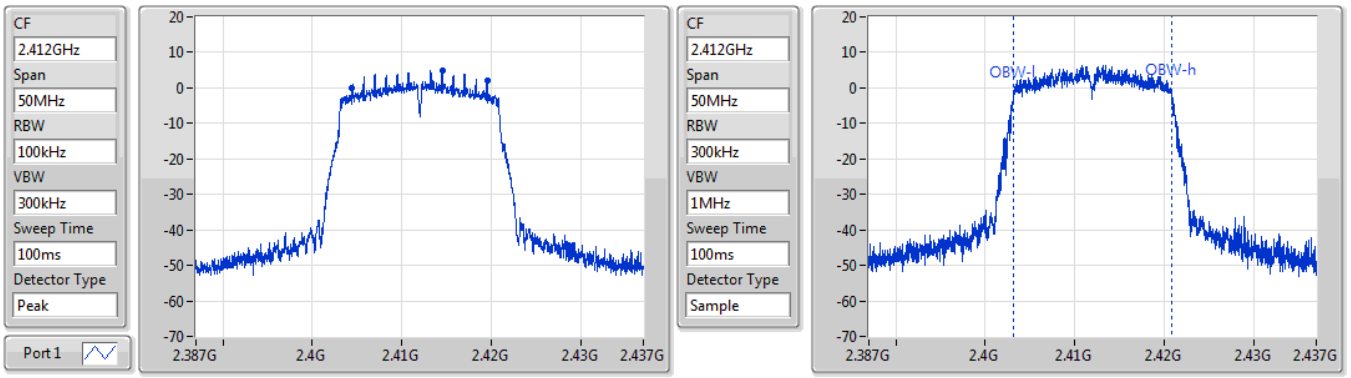


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.464475G	2.479575G	16.517M	2.463729G	2.480246G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

24/06/2022

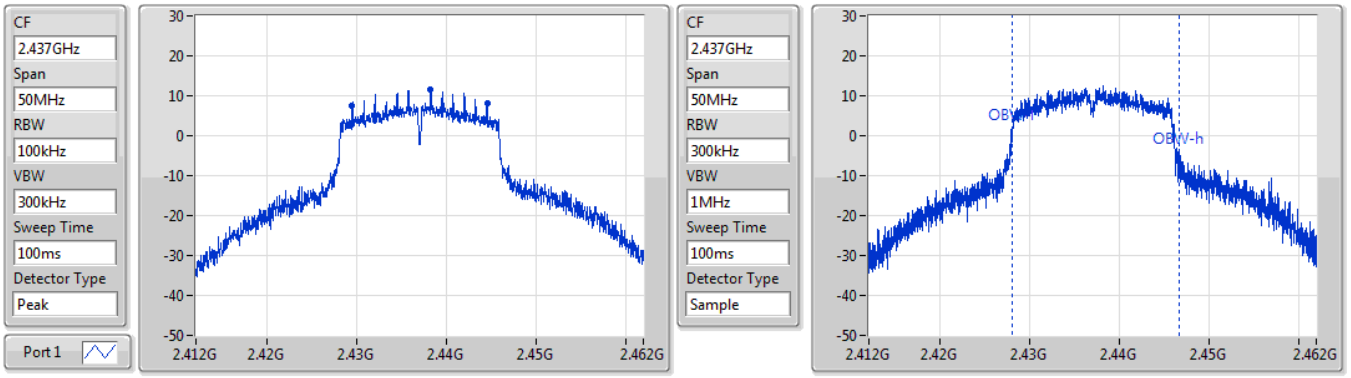


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.40445G	2.419525G	17.641M	2.403179G	2.420821G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

24/06/2022

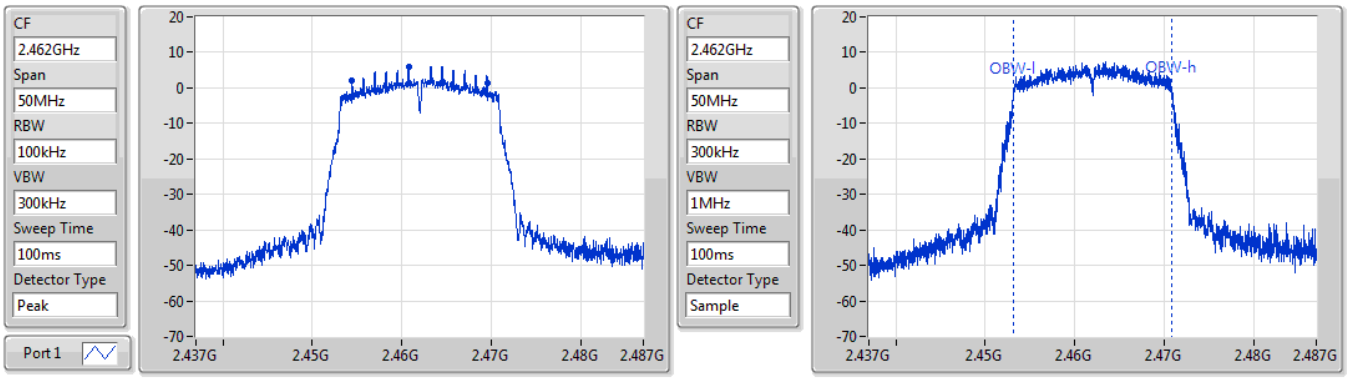


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.429475G	2.44455G	18.691M	2.427955G	2.446645G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2462MHz

24/06/2022

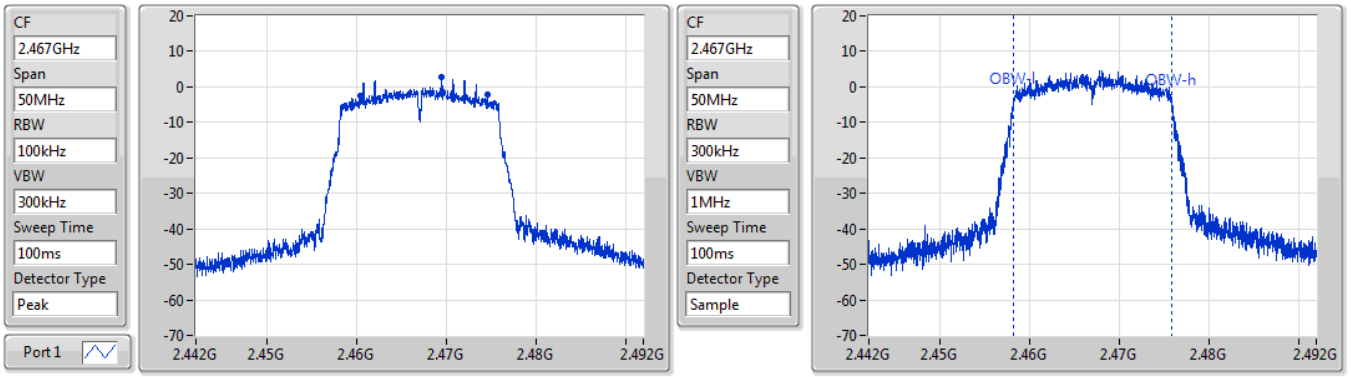


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.454475G	2.469575G	17.616M	2.453204G	2.470821G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2467MHz

24/06/2022

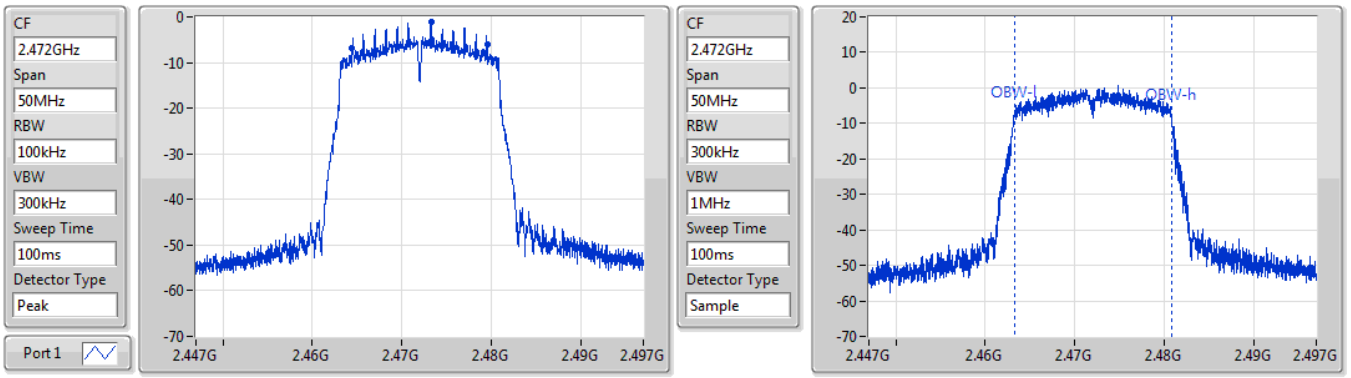


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.2M	2.460375G	2.474575G	17.641M	2.458179G	2.475821G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2472MHz

24/06/2022

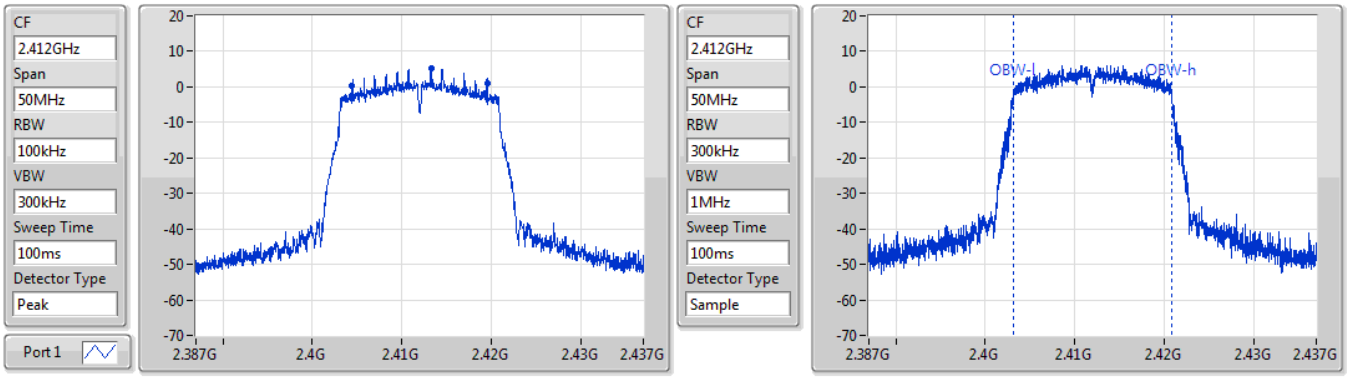


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.125M	2.46445G	2.479575G	17.566M	2.463229G	2.480796G	500k	1

VHT20_Nss1,(MCS0)_1TX EBW

2412MHz

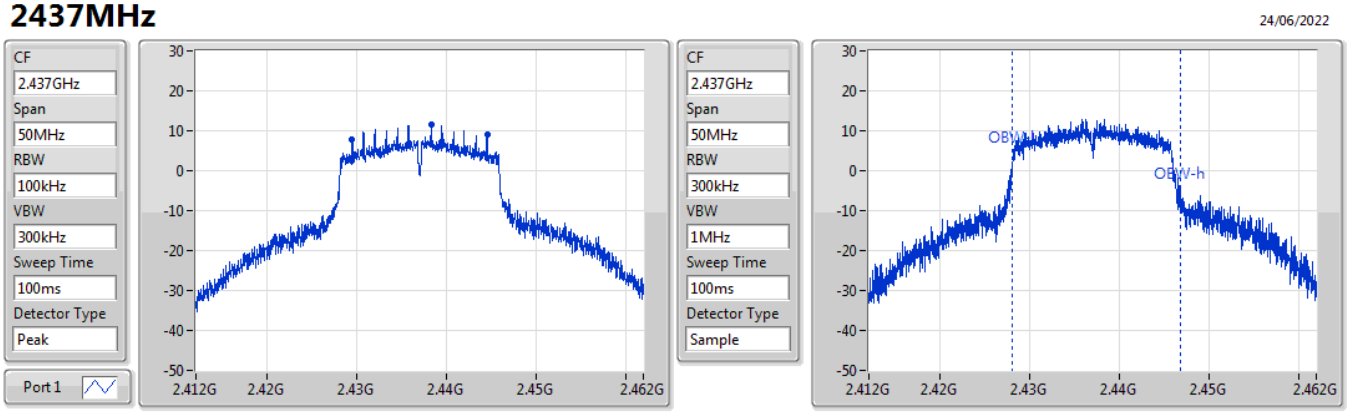
24/06/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.40445G	2.41955G	17.616M	2.403179G	2.420796G	500k	1

VHT20_Nss1,(MCS0)_1TX EBW

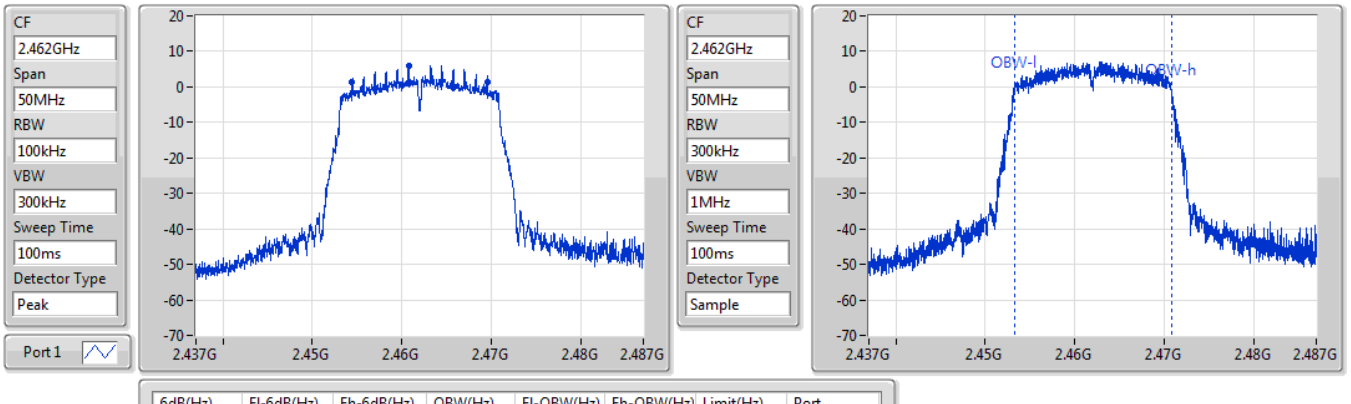
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.429475G	2.444525G	18.816M	2.427955G	2.44677G	500k	1

VHT20_Nss1,(MCS0)_1TX EBW

2462MHz

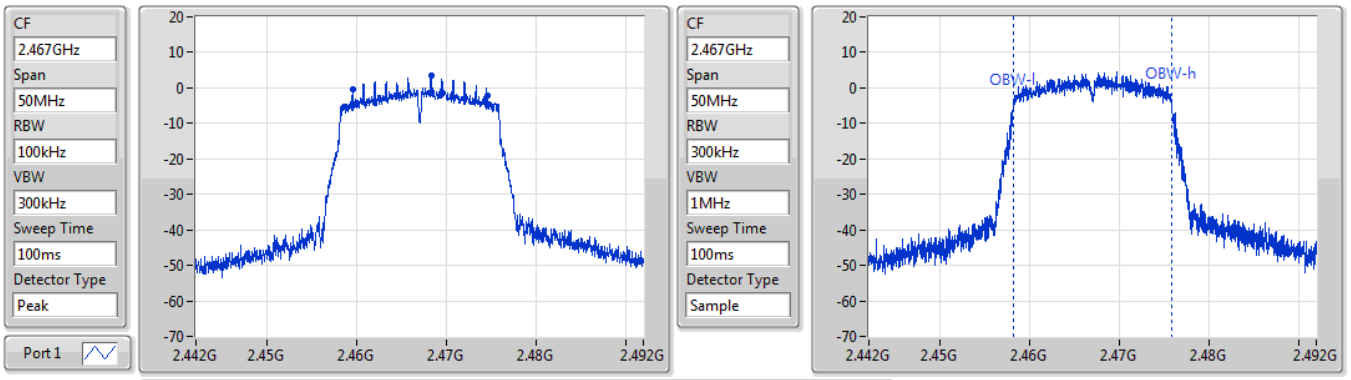


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.454475G	2.46955G	17.566M	2.453229G	2.470796G	500k	1

VHT20_Nss1,(MCS0)_1TX EBW

2467MHz

24/06/2022

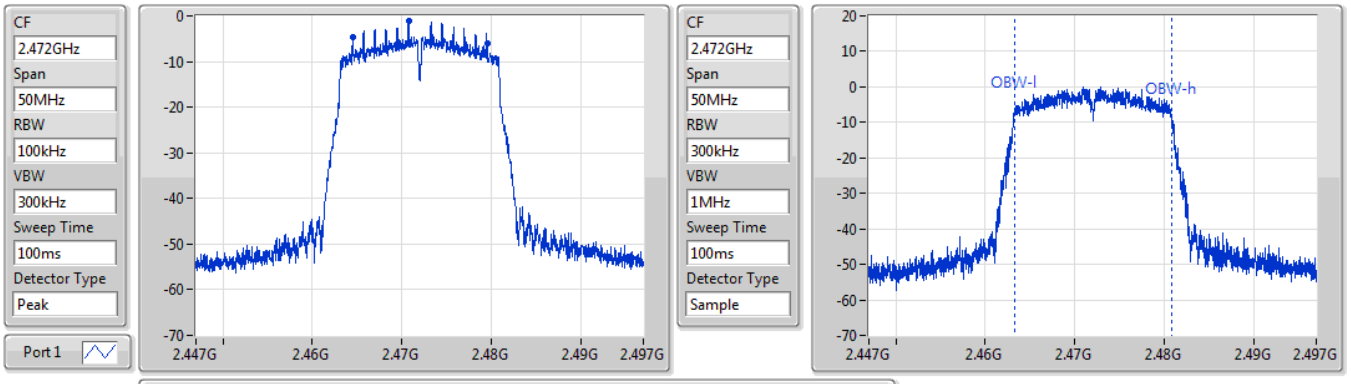


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.4595G	2.474575G	17.591M	2.458204G	2.475796G	500k	1

VHT20_Nss1,(MCS0)_1TX EBW

2472MHz

24/06/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.4645G	2.479575G	17.566M	2.463254G	2.480821G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	24.80	0.30200
802.11g_Nss1,(6Mbps)_1TX	23.15	0.20654
802.11n HT20_Nss1,(MCS0)_1TX	22.97	0.19815
VHT20_Nss1,(MCS0)_1TX	22.98	0.19861

Note: IF DC<0.98, the DCF was added while measuring. The DCF please refer to section 1.1.4.

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	24.15	24.15	30.00
2437MHz	Pass	4.27	24.80	24.80	30.00
2457MHz	Pass	4.27	24.76	24.76	30.00
2462MHz	Pass	4.27	22.96	22.96	30.00
2467MHz	Pass	4.27	17.43	17.43	30.00
2472MHz	Pass	4.27	15.01	15.01	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	17.26	17.26	30.00
2417MHz	Pass	4.27	19.53	19.53	30.00
2437MHz	Pass	4.27	23.15	23.15	30.00
2457MHz	Pass	4.27	18.86	18.86	30.00
2462MHz	Pass	4.27	18.23	18.23	30.00
2467MHz	Pass	4.27	15.33	15.33	30.00
2472MHz	Pass	4.27	12.60	12.60	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	17.09	17.09	30.00
2417MHz	Pass	4.27	19.32	19.32	30.00
2437MHz	Pass	4.27	22.97	22.97	30.00
2457MHz	Pass	4.27	19.16	19.16	30.00
2462MHz	Pass	4.27	18.02	18.02	30.00
2467MHz	Pass	4.27	15.04	15.04	30.00
2472MHz	Pass	4.27	10.93	10.93	30.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	17.12	17.12	30.00
2417MHz	Pass	4.27	19.36	19.36	30.00
2437MHz	Pass	4.27	22.98	22.98	30.00
2457MHz	Pass	4.27	19.23	19.23	30.00
2462MHz	Pass	4.27	18.04	18.04	30.00
2467MHz	Pass	4.27	15.14	15.14	30.00
2472MHz	Pass	4.27	11.05	11.05	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-3.81
802.11g_Nss1,(6Mbps)_1TX	-4.70
802.11n HT20_Nss1,(MCS0)_1TX	-5.78
VHT20_Nss1,(MCS0)_1TX	-5.62

Note: IF DC<0.98, the DCF was added while measuring. The DCF please refer to section 1.1.4.
RBW = 3kHz;

Result

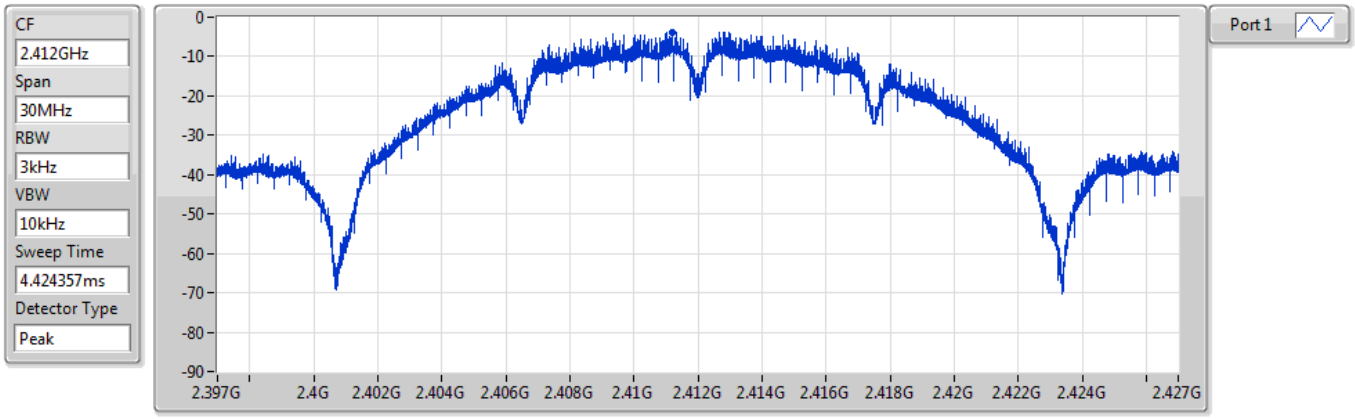
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	-3.81	-3.81	8.00
2437MHz	Pass	4.27	-4.30	-4.30	8.00
2462MHz	Pass	4.27	-4.75	-4.75	8.00
2467MHz	Pass	4.27	-10.48	-10.48	8.00
2472MHz	Pass	4.27	-16.08	-16.08	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	-14.92	-14.92	8.00
2437MHz	Pass	4.27	-4.70	-4.70	8.00
2462MHz	Pass	4.27	-10.84	-10.84	8.00
2467MHz	Pass	4.27	-13.12	-13.12	8.00
2472MHz	Pass	4.27	-16.05	-16.05	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	-12.01	-12.01	8.00
2437MHz	Pass	4.27	-5.78	-5.78	8.00
2462MHz	Pass	4.27	-10.98	-10.98	8.00
2467MHz	Pass	4.27	-13.74	-13.74	8.00
2472MHz	Pass	4.27	-18.29	-18.29	8.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.27	-10.82	-10.82	8.00
2437MHz	Pass	4.27	-5.62	-5.62	8.00
2462MHz	Pass	4.27	-10.82	-10.82	8.00
2467MHz	Pass	4.27	-12.45	-12.45	8.00
2472MHz	Pass	4.27	-17.23	-17.23	8.00

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

802.11b_Nss1,(1Mbps)_1TX PSD

2412MHz

24/06/2022

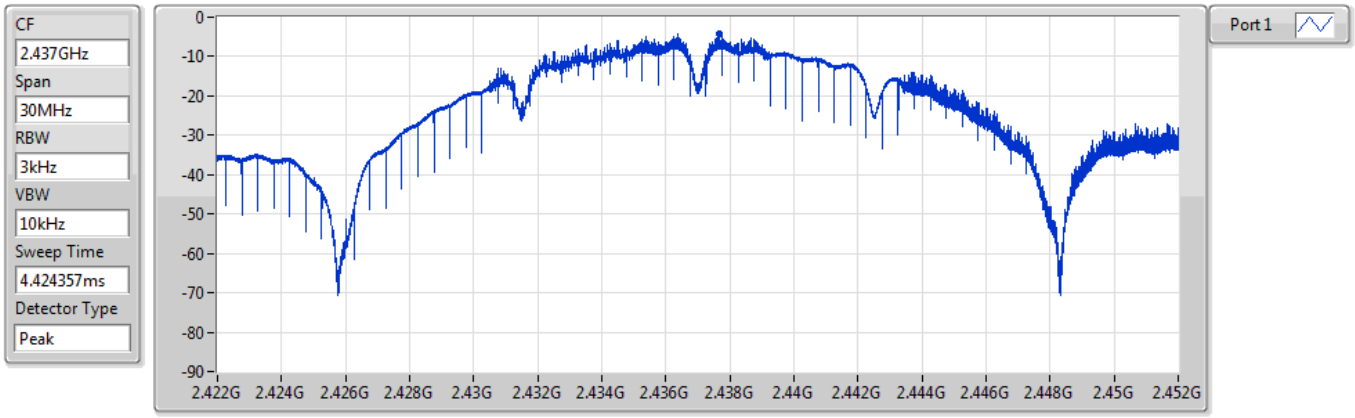


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.81	-3.81	-3.81

802.11b_Nss1,(1Mbps)_1TX PSD

2437MHz

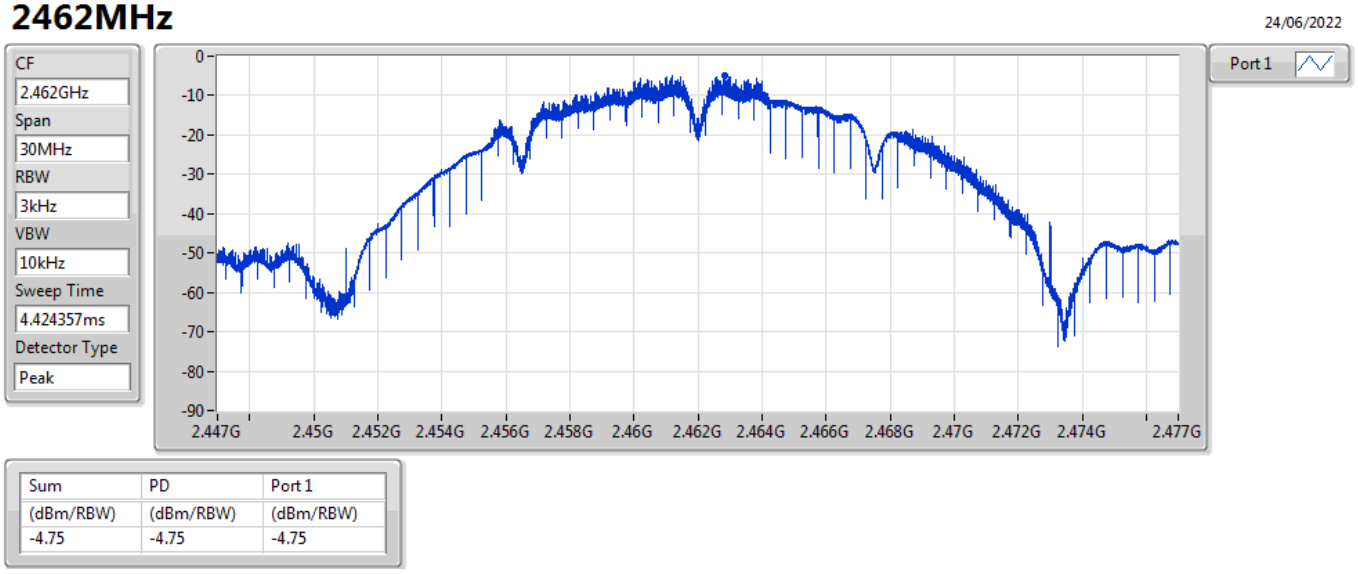
24/06/2022



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.30	-4.30	-4.30

802.11b_Nss1,(1Mbps)_1TX PSD

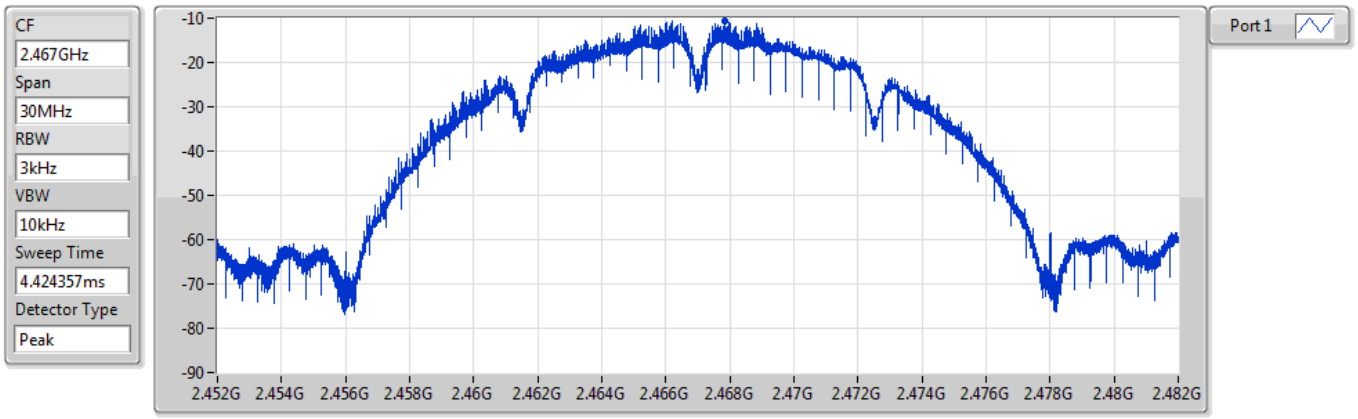
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.75	-4.75	-4.75

802.11b_Nss1,(1Mbps)_1TX PSD

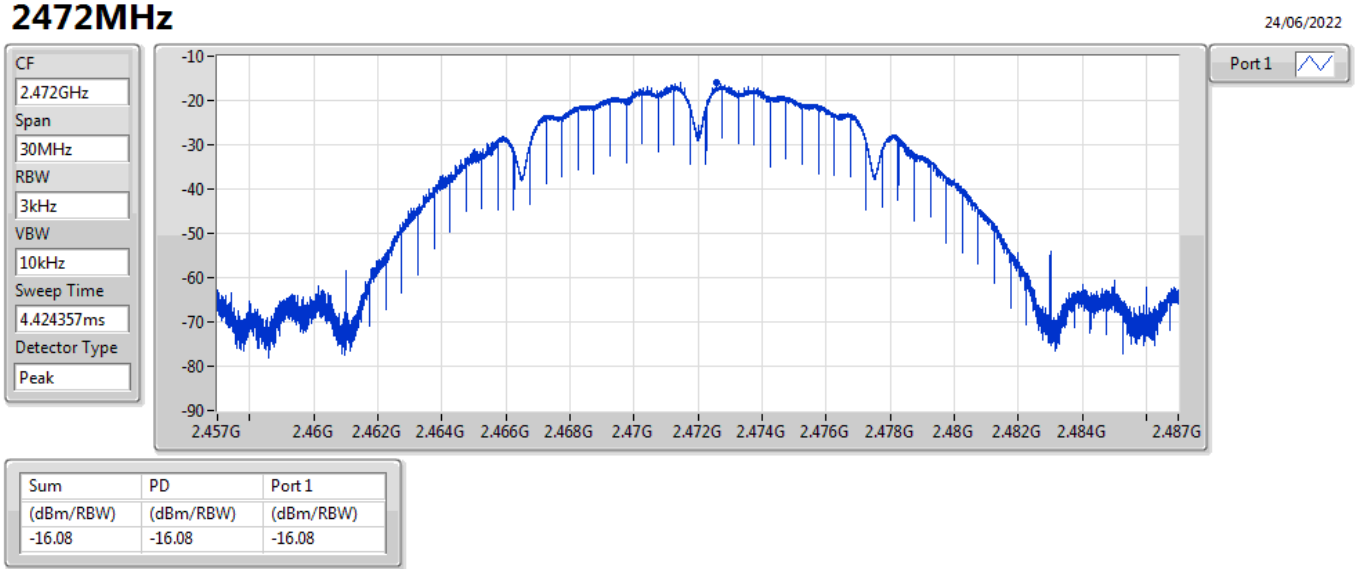
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.48	-10.48	-10.48

802.11b_Nss1,(1Mbps)_1TX PSD

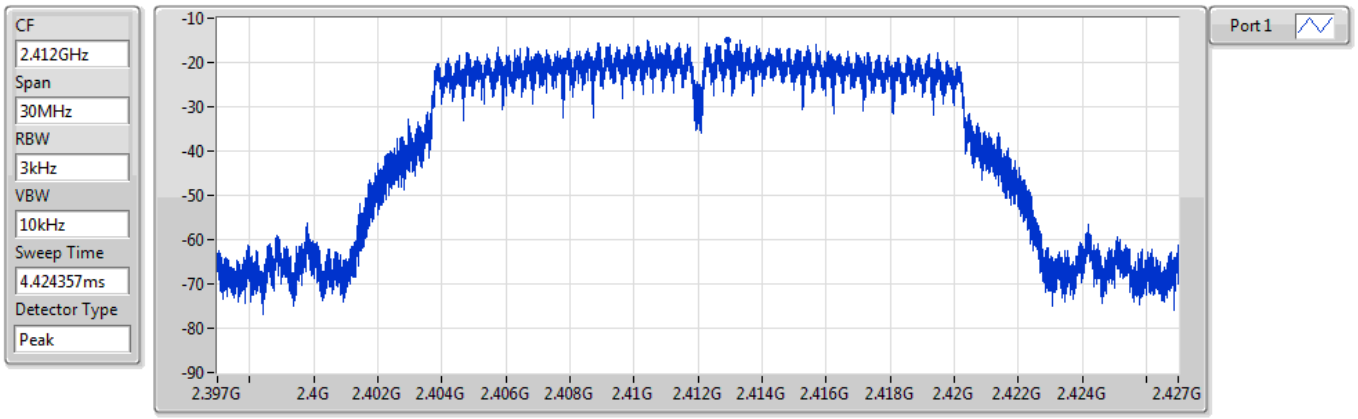
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.08	-16.08	-16.08

802.11g_Nss1,(6Mbps)_1TX PSD

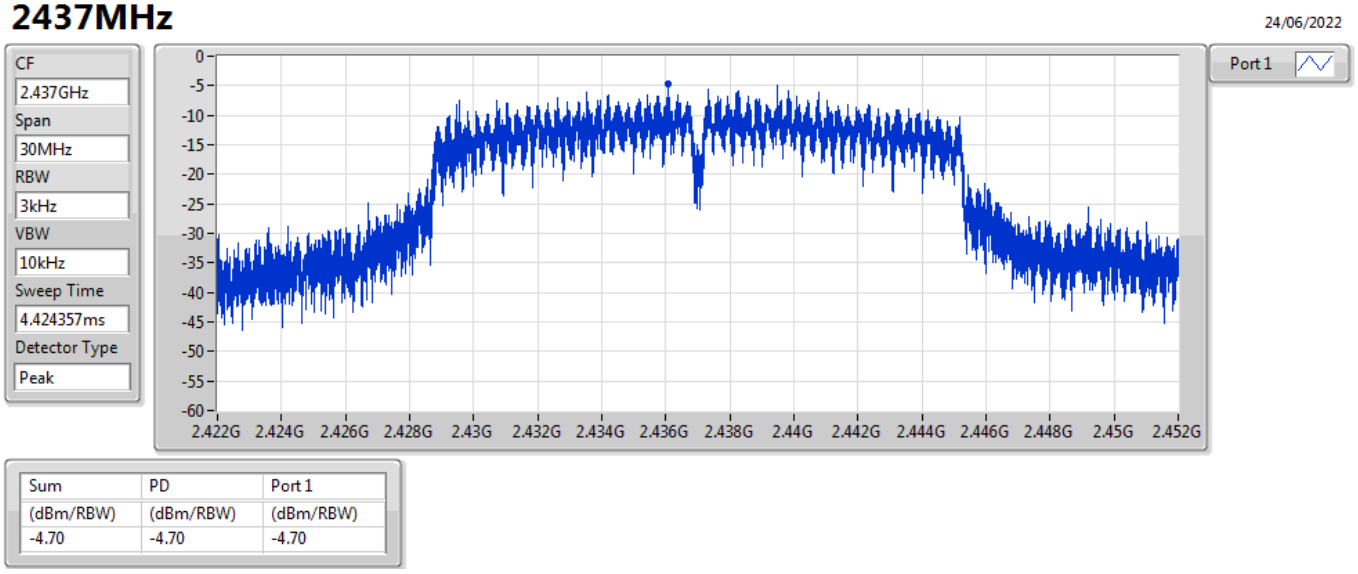
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.92	-14.92	-14.92

802.11g_Nss1,(6Mbps)_1TX PSD

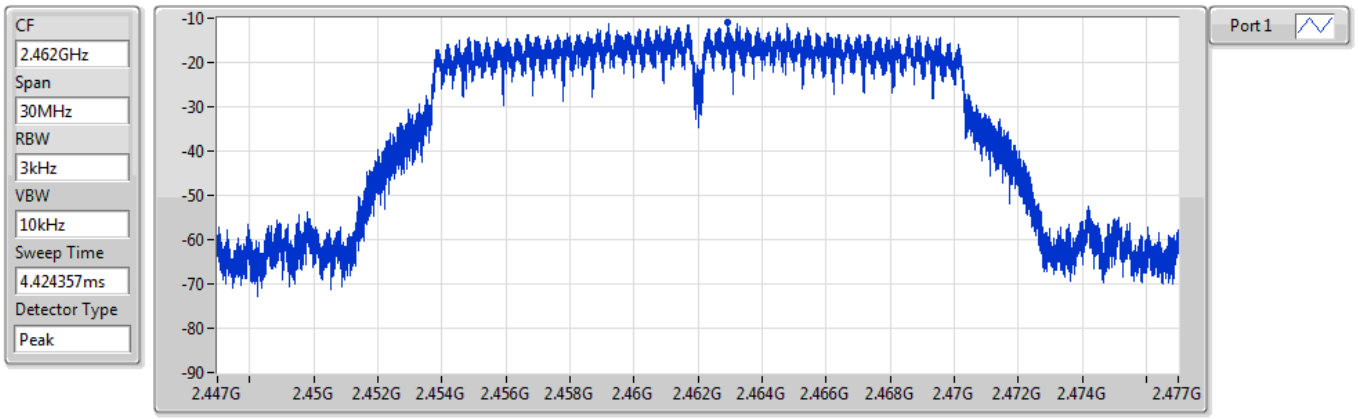
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.70	-4.70	-4.70

802.11g_Nss1,(6Mbps)_1TX PSD

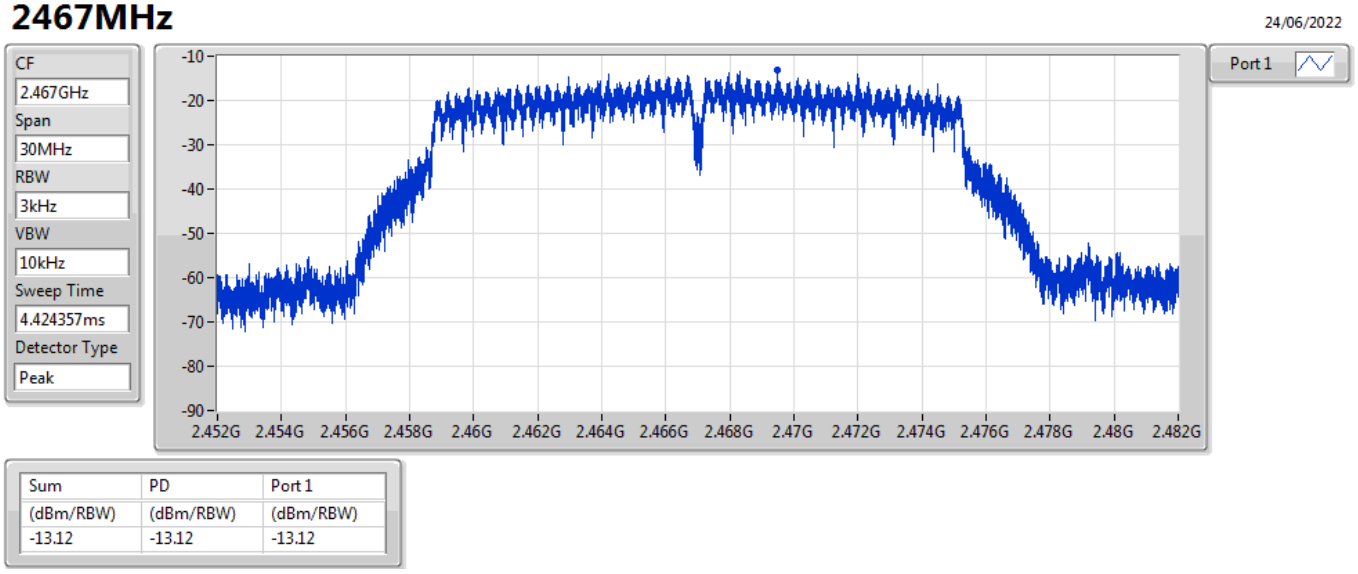
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.84	-10.84	-10.84

802.11g_Nss1,(6Mbps)_1TX PSD

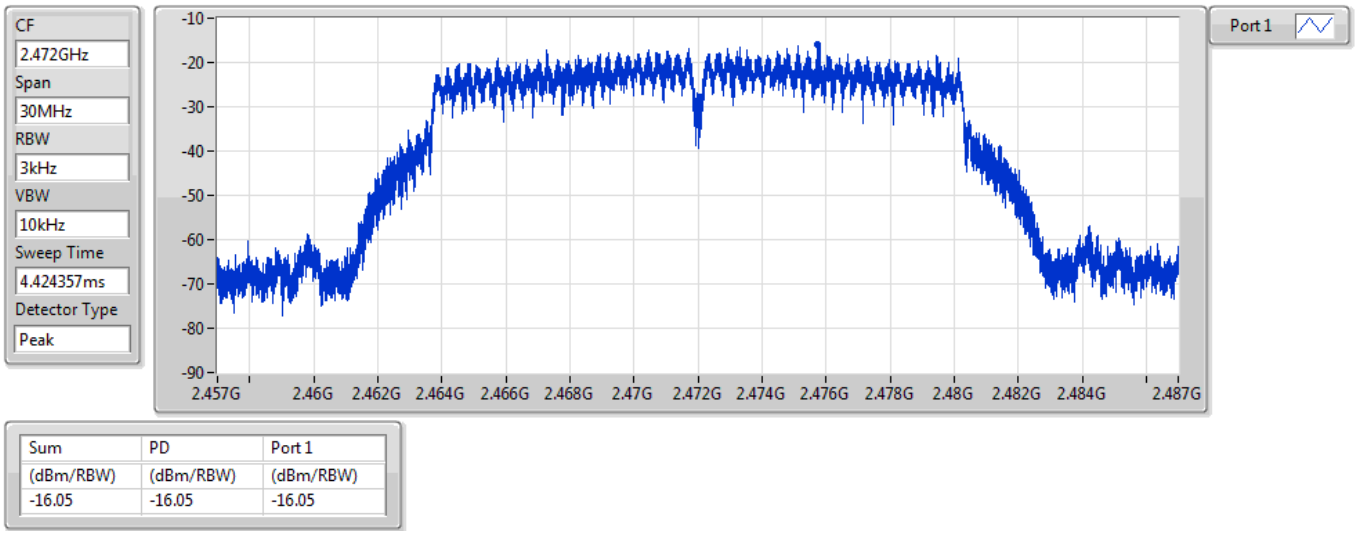
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.12	-13.12	-13.12

802.11g_Nss1,(6Mbps)_1TX PSD

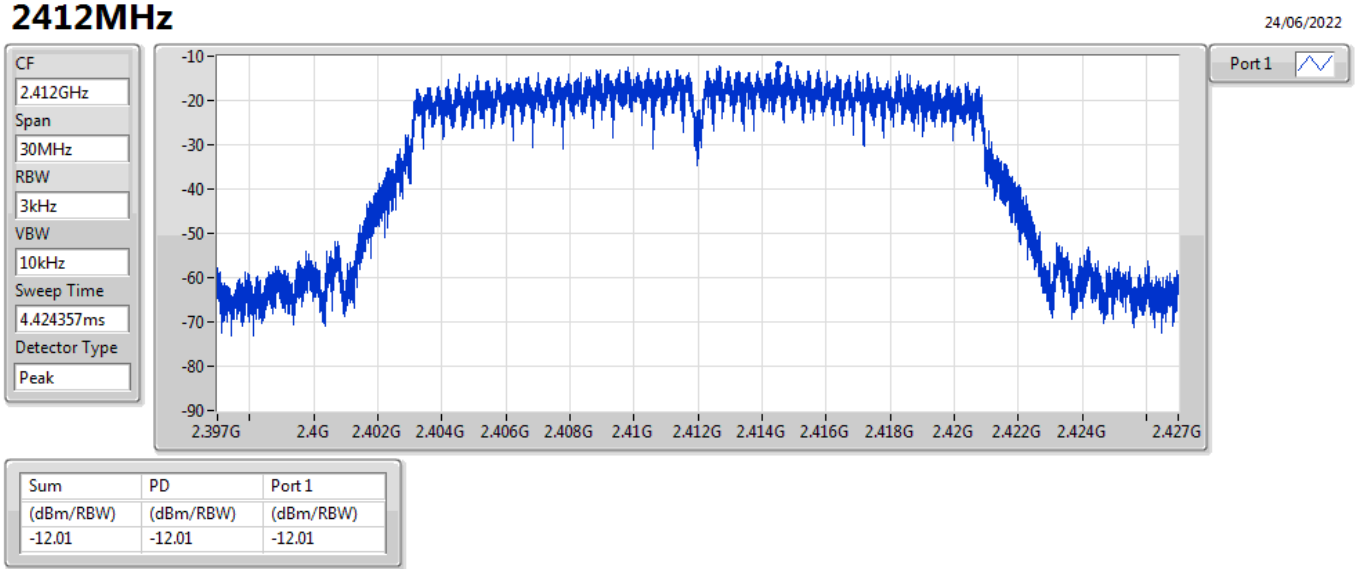
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.05	-16.05	-16.05

802.11n HT20_Nss1,(MCS0)_1TX PSD

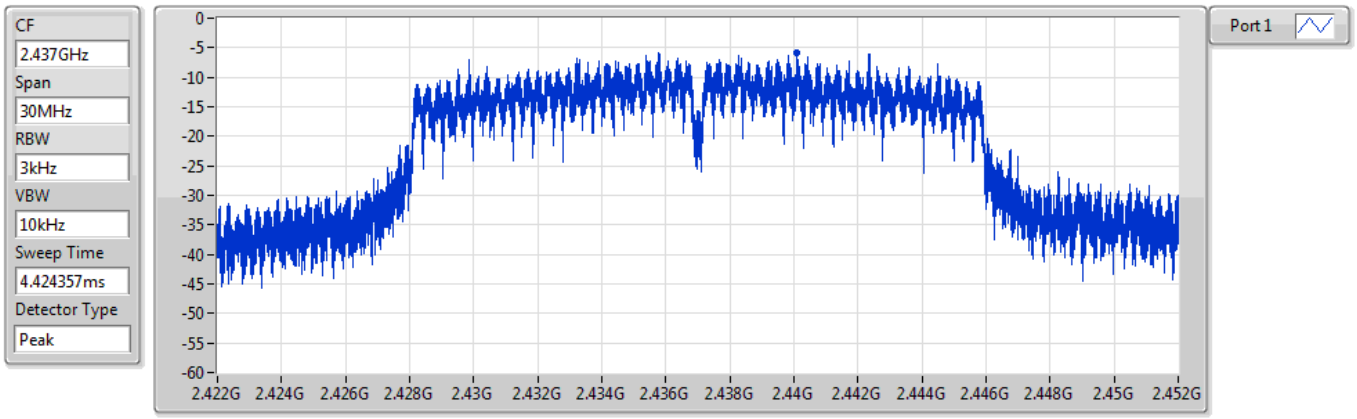
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.01	-12.01	-12.01

802.11n HT20_Nss1,(MCS0)_1TX PSD

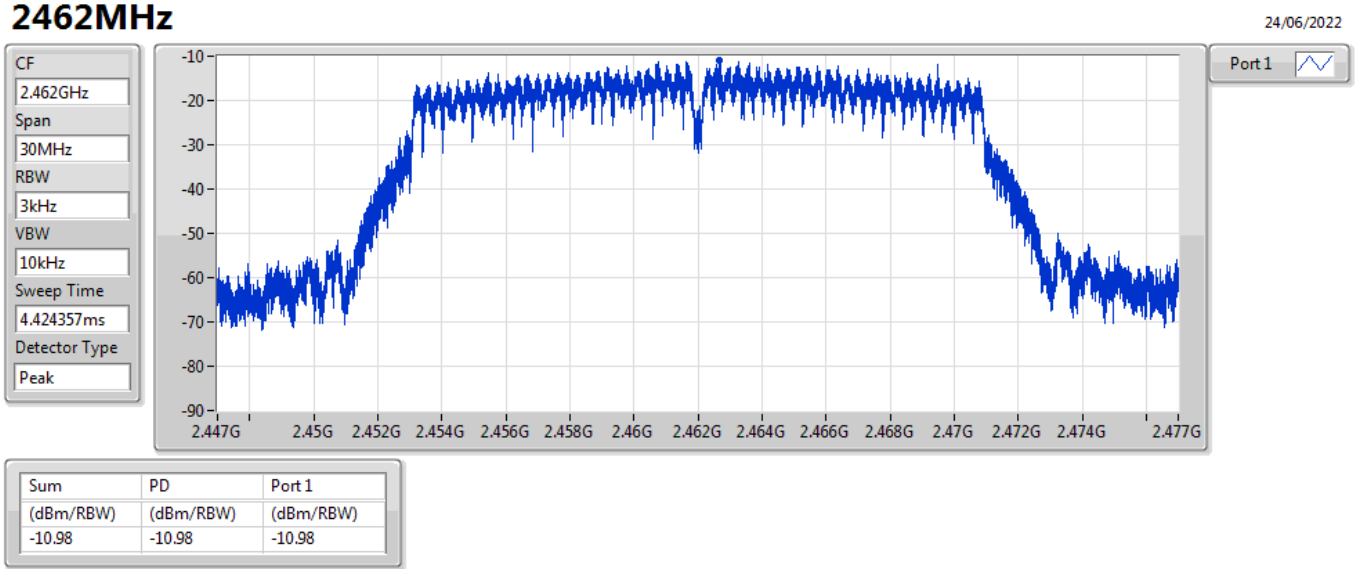
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.78	-5.78	-5.78

802.11n HT20_Nss1,(MCS0)_1TX PSD

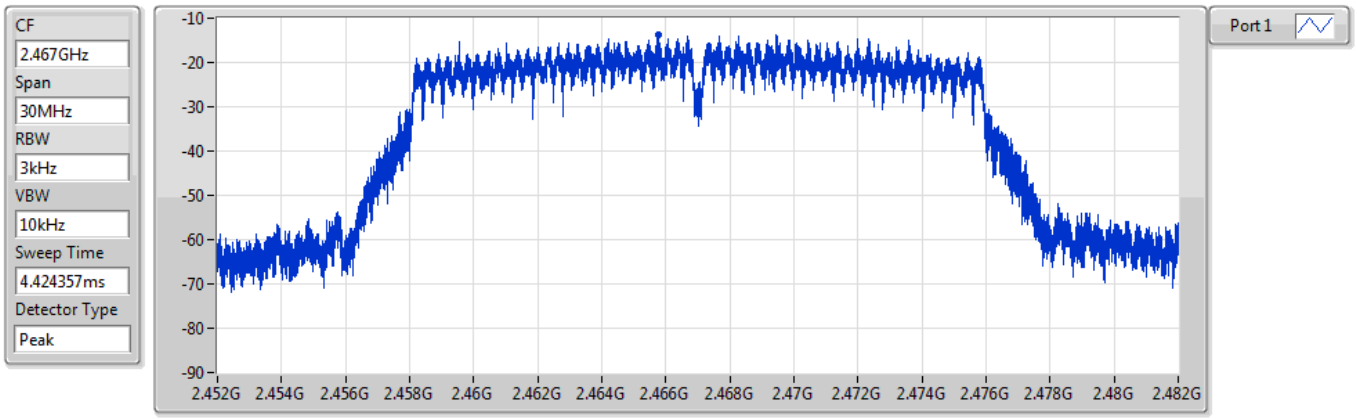
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.98	-10.98	-10.98

802.11n HT20_Nss1,(MCS0)_1TX PSD

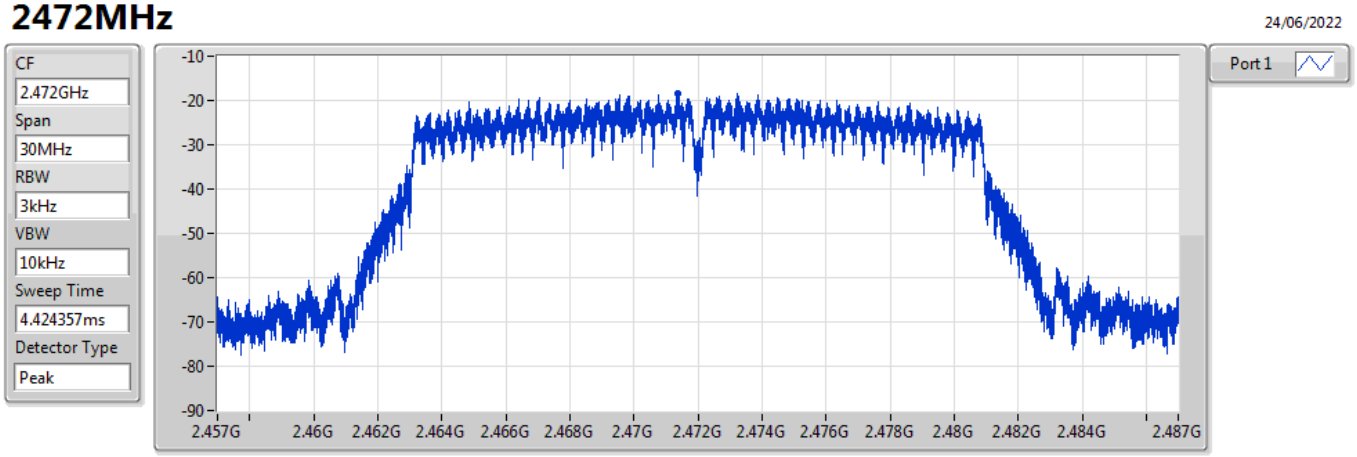
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.74	-13.74	-13.74

802.11n HT20_Nss1,(MCS0)_1TX PSD

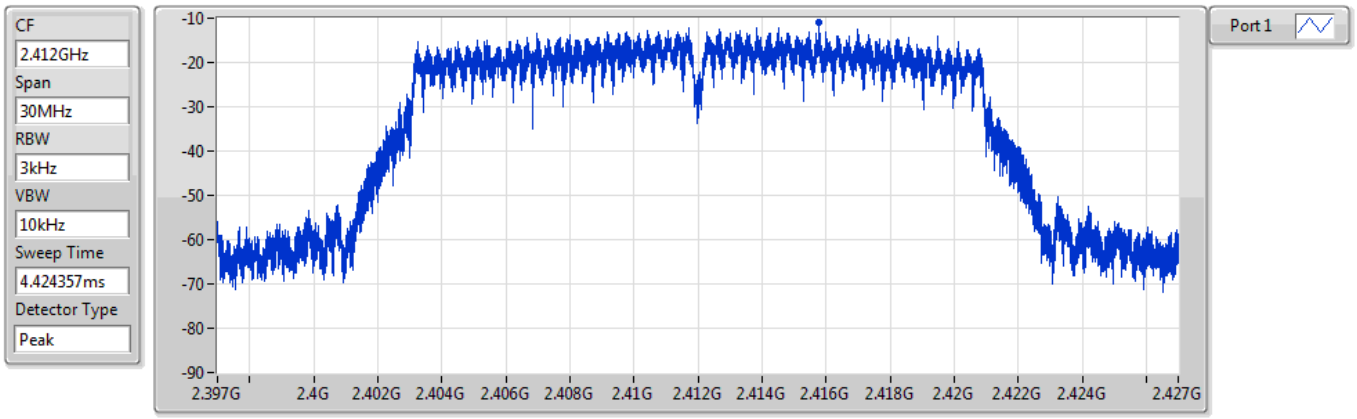
2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-18.29	-18.29	-18.29

VHT20_Nss1,(MCS0)_1TX PSD

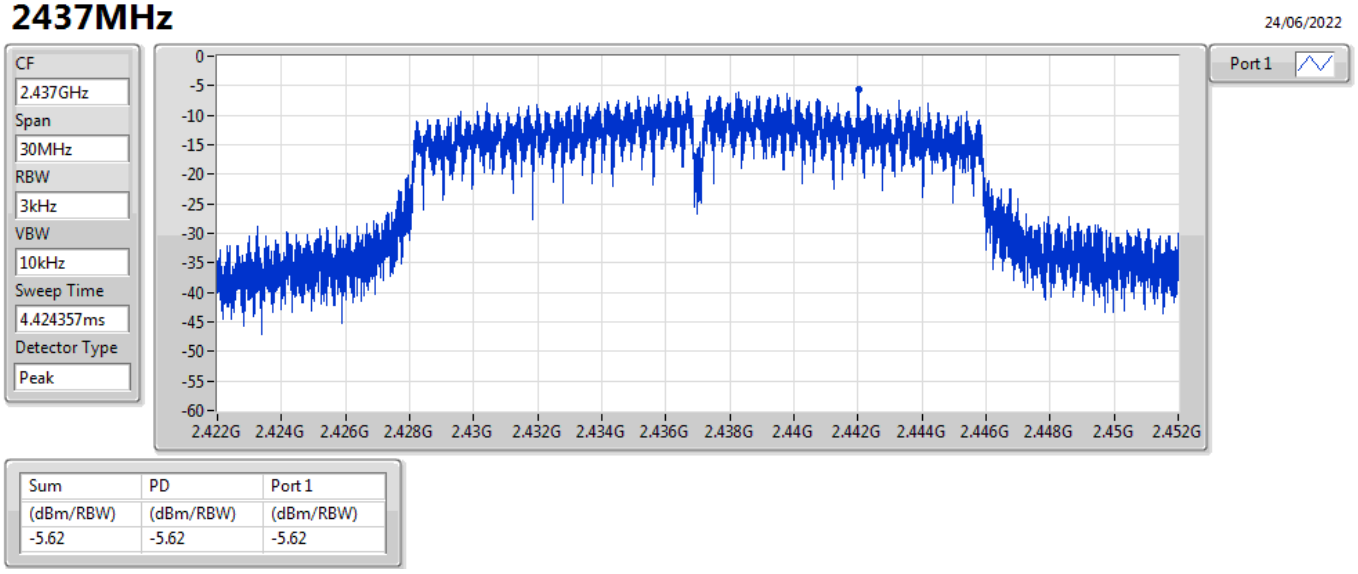
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.82	-10.82	-10.82

VHT20_Nss1,(MCS0)_1TX PSD

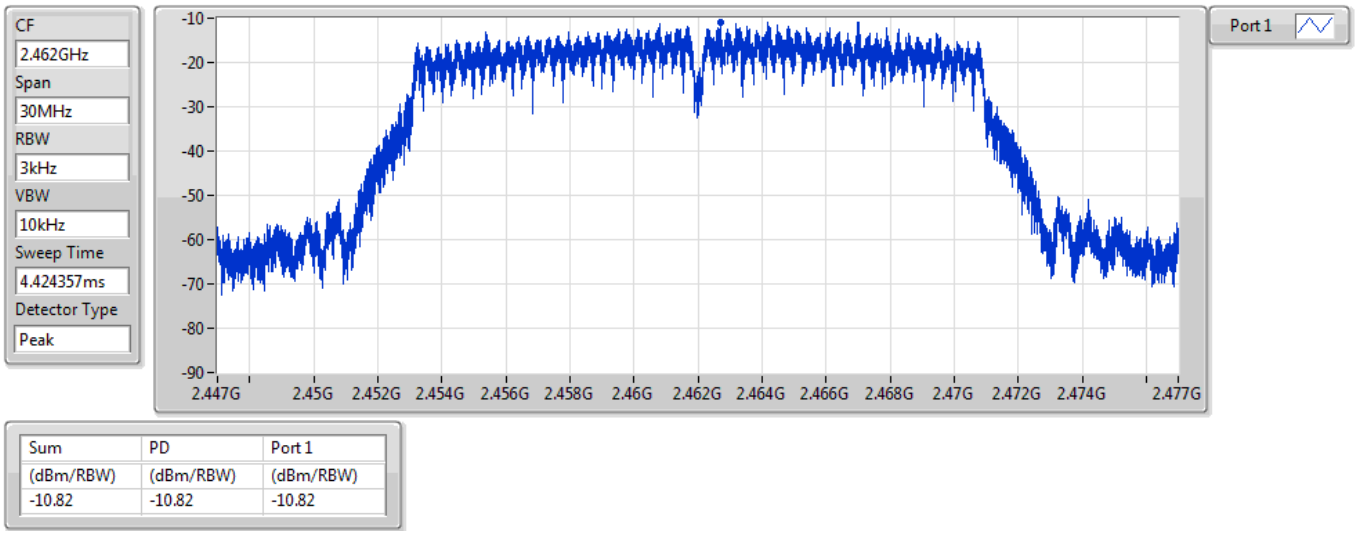
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.62	-5.62	-5.62

VHT20_Nss1,(MCS0)_1TX PSD

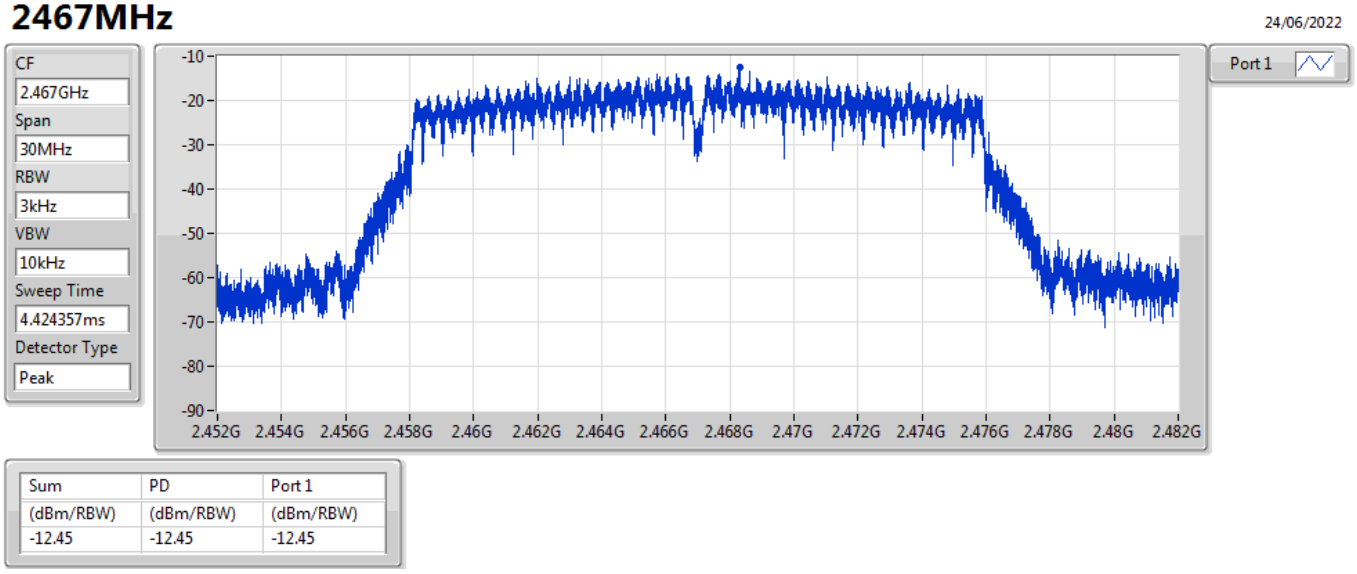
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.82	-10.82	-10.82

VHT20_Nss1,(MCS0)_1TX PSD

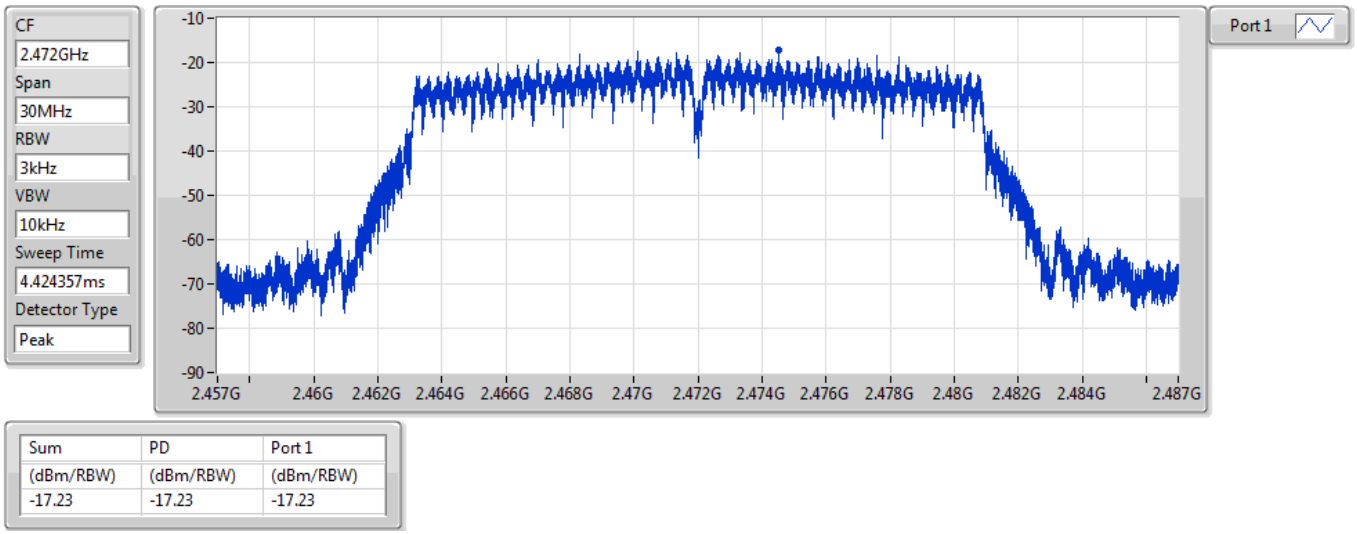
2467MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.45	-12.45	-12.45

VHT20_Nss1,(MCS0)_1TX PSD

2472MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.23	-17.23	-17.23

Summary

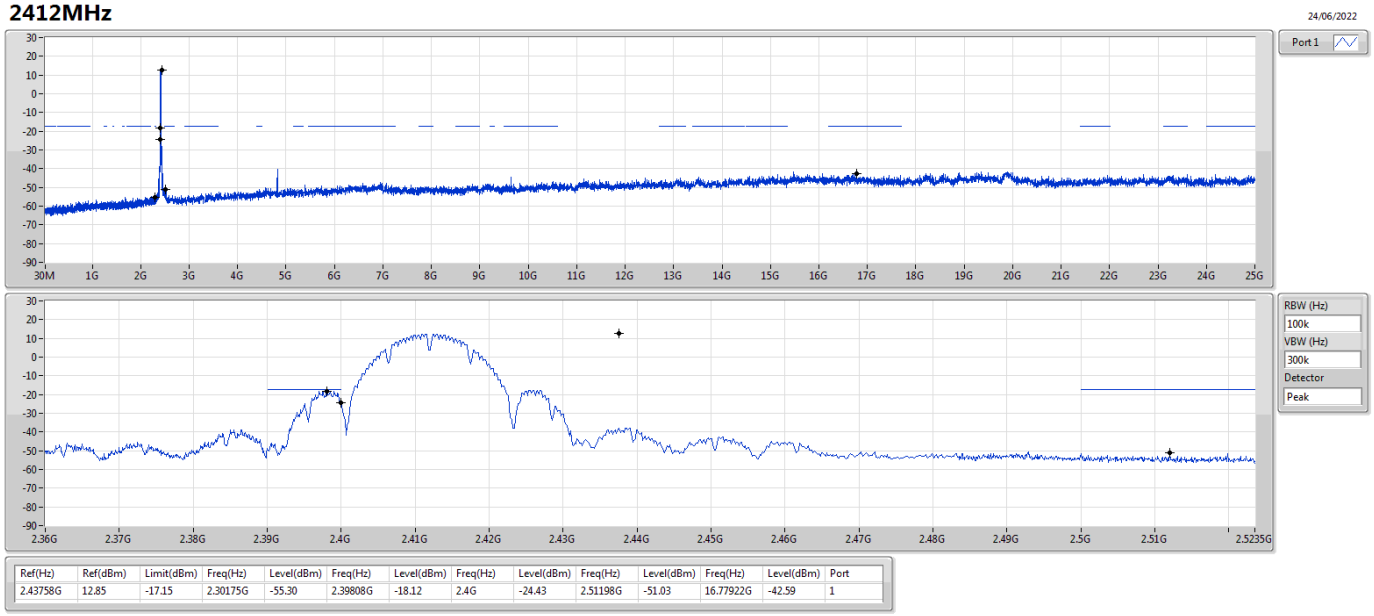
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43758G	12.85	-17.15	2.30175G	-55.30	2.39808G	-18.12	2.4G	-24.43	2.51198G	-51.03	16.77922G	-42.59	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43574G	11.32	-18.68	2.30059G	-54.37	2.39928G	-40.20	2.4G	-41.30	2.5011G	-48.16	23.28055G	-42.38	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43824G	11.50	-18.50	2.30874G	-53.79	2.39952G	-38.91	2.4G	-39.00	2.50166G	-45.41	23.21593G	-42.23	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43574G	11.50	-18.50	2.17593G	-54.57	2.39992G	-37.31	2.4G	-40.70	2.50278G	-50.78	16.70055G	-42.61	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	12.85	-17.15	2.30175G	-55.30	2.39808G	-18.12	2.4G	-24.43	2.51198G	-51.03	16.77922G	-42.59	1
2437MHz	Pass	2.43758G	12.85	-17.15	1.98138G	-55.24	2.39048G	-47.99	2.4G	-47.25	2.50294G	-50.65	16.58536G	-42.32	1
2462MHz	Pass	2.43758G	12.85	-17.15	2.30292G	-54.95	2.3952G	-53.39	2.4G	-55.66	2.50006G	-49.20	15.13282G	-42.92	1
2467MHz	Pass	2.43758G	12.85	-17.15	1.96041G	-55.00	2.39824G	-54.26	2.4G	-56.76	2.50798G	-52.82	23.18502G	-41.78	1
2472MHz	Pass	2.43758G	12.85	-17.15	2.13632G	-54.23	2.39088G	-53.66	2.4G	-54.66	2.50374G	-52.09	23.5306G	-42.13	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.32	-18.68	2.30991G	-55.10	2.39704G	-42.23	2.4G	-44.10	2.50254G	-52.16	15.28453G	-42.43	1
2437MHz	Pass	2.43574G	11.32	-18.68	2.30059G	-54.37	2.39928G	-40.20	2.4G	-41.30	2.5011G	-48.16	23.28055G	-42.38	1
2462MHz	Pass	2.43574G	11.32	-18.68	2.15729G	-54.21	2.39776G	-52.56	2.4G	-55.07	2.5027G	-50.21	24.9129G	-42.72	1
2467MHz	Pass	2.43574G	11.32	-18.68	2.15263G	-55.65	2.39848G	-53.71	2.4G	-54.89	2.50102G	-48.81	24.55328G	-42.41	1
2472MHz	Pass	2.43574G	11.32	-18.68	1.77517G	-54.96	2.39064G	-53.67	2.4G	-55.59	2.51374G	-51.65	16.54603G	-42.73	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	11.50	-18.50	2.30408G	-55.17	2.39976G	-39.50	2.4G	-40.73	2.50102G	-51.54	23.18502G	-41.45	1
2437MHz	Pass	2.43824G	11.50	-18.50	2.30874G	-53.79	2.39952G	-38.91	2.4G	-39.00	2.50166G	-45.41	23.21593G	-42.23	1
2462MHz	Pass	2.43824G	11.50	-18.50	2.12817G	-55.19	2.39248G	-52.80	2.4G	-55.13	2.50198G	-49.70	16.81293G	-42.61	1
2467MHz	Pass	2.43824G	11.50	-18.50	2.10254G	-55.53	2.392G	-53.07	2.4G	-54.64	2.50054G	-47.52	17.20908G	-42.92	1
2472MHz	Pass	2.43824G	11.50	-18.50	2.30059G	-55.06	2.3912G	-53.61	2.4G	-56.00	2.50262G	-52.02	21.94882G	-43.12	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.50	-18.50	2.17593G	-54.57	2.39992G	-37.31	2.4G	-40.70	2.50278G	-50.78	16.70055G	-42.61	1
2437MHz	Pass	2.43574G	11.50	-18.50	2.12467G	-55.19	2.39992G	-38.57	2.4G	-38.26	2.50174G	-45.09	15.06539G	-41.94	1
2462MHz	Pass	2.43574G	11.50	-18.50	2.14914G	-55.16	2.39696G	-52.84	2.4G	-54.64	2.50582G	-49.00	16.73427G	-42.11	1
2467MHz	Pass	2.43574G	11.50	-18.50	2.30991G	-55.13	2.39256G	-52.82	2.4G	-55.15	2.50014G	-49.62	16.70336G	-42.76	1
2472MHz	Pass	2.43574G	11.50	-18.50	2.01749G	-54.48	2.39664G	-52.53	2.4G	-55.26	2.50454G	-51.73	15.08786G	-42.94	1

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

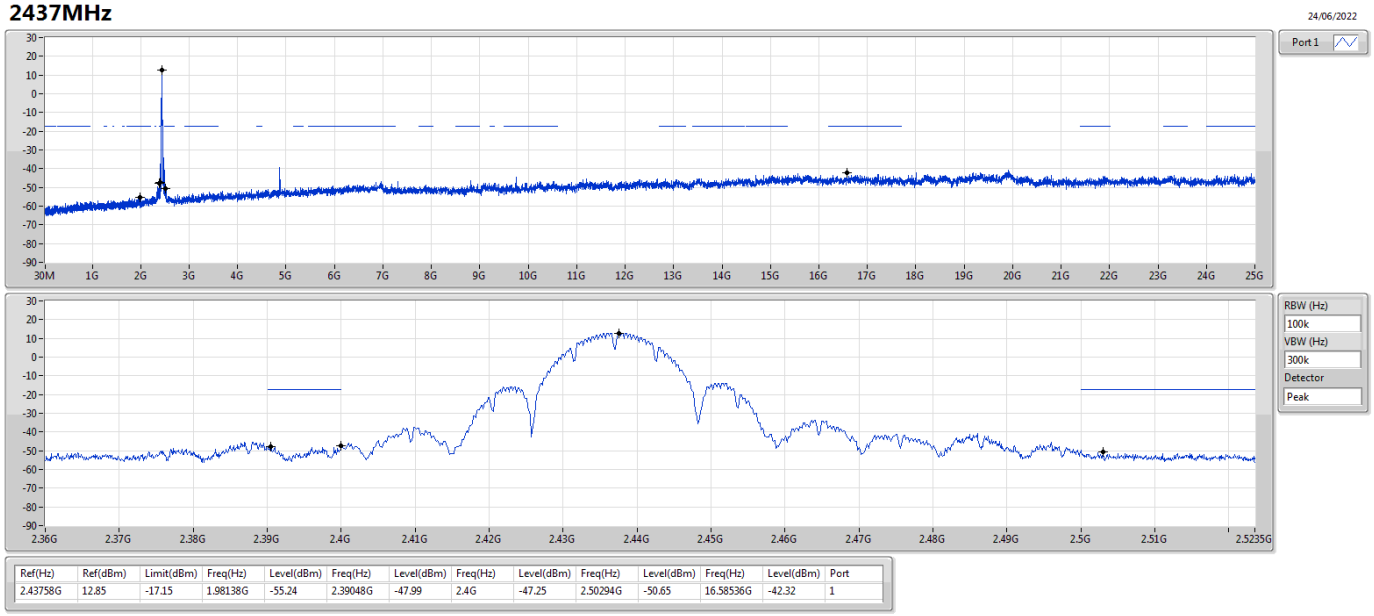
2412MHz



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
2.43758G	12.85	-17.15	2.30175G	-55.30	2.39808G	-18.12	2.4G	-24.43	2.51198G	-51.03	16.77922G	-42.59	1

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

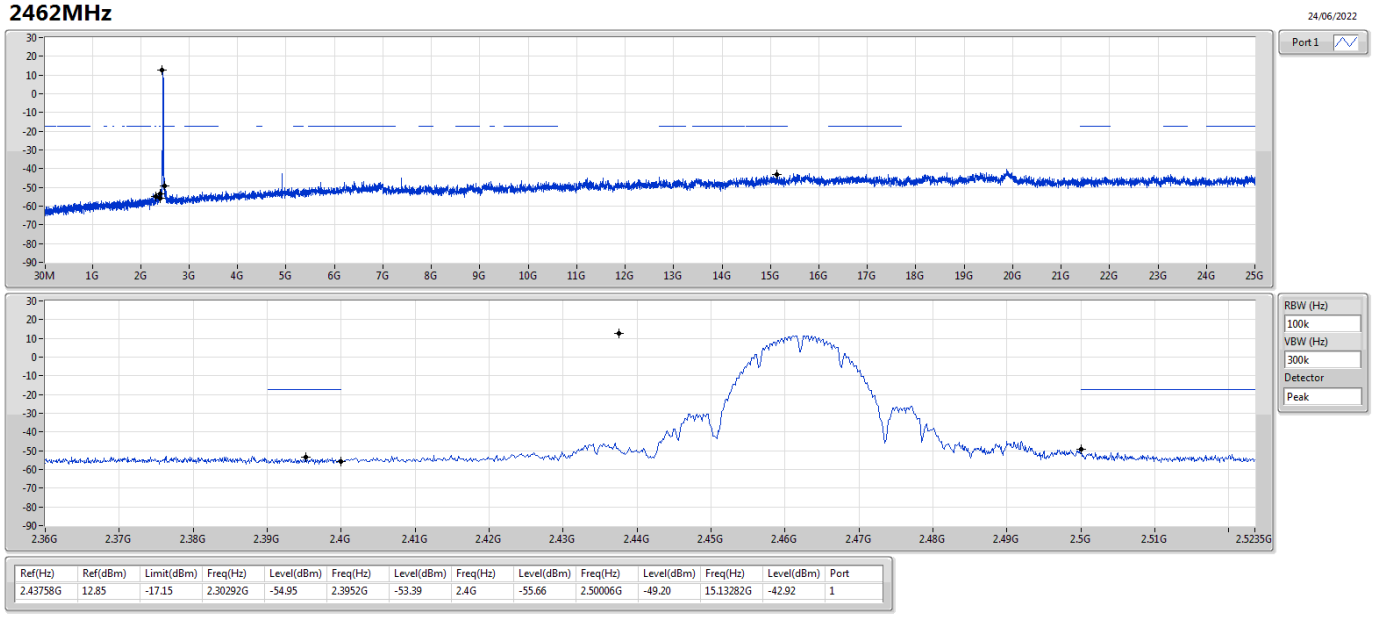
2437MHz



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
2.43758G	12.85	-17.15	1.98138G	-55.24	2.39048G	-47.99	2.4G	-47.25	2.50294G	-50.65	16.58536G	-42.32	1

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

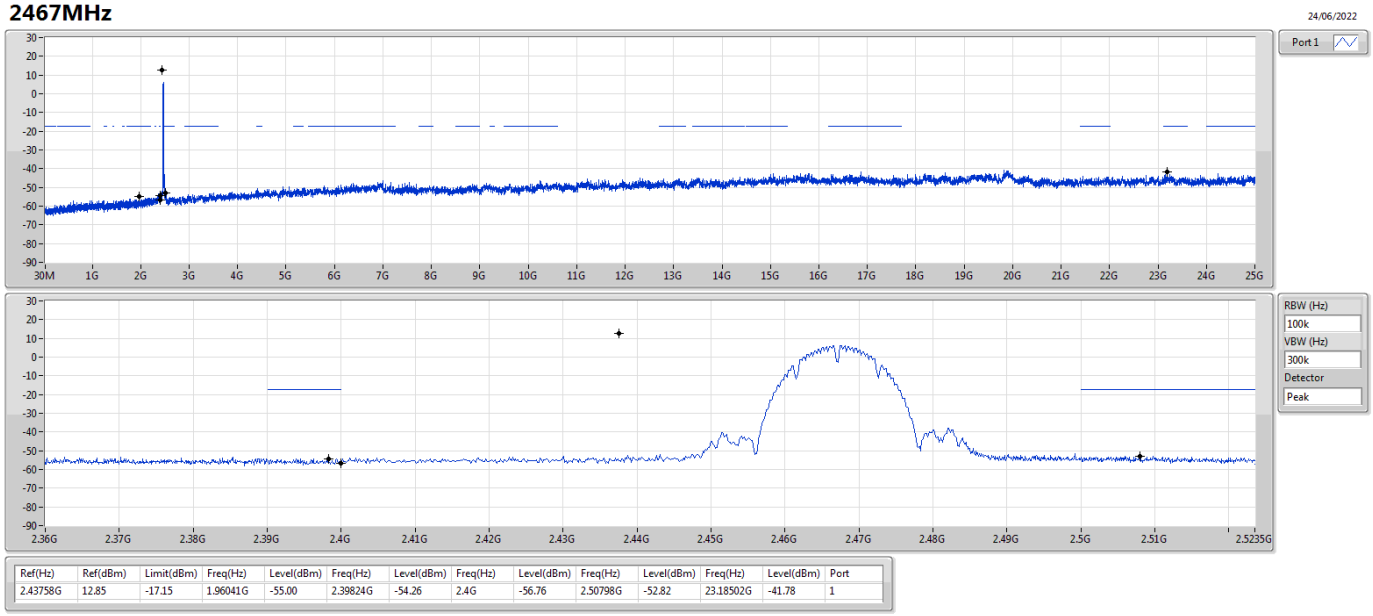
2462MHz



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
2.43758G	12.85	-17.15	2.30292G	-54.95	2.3952G	-53.39	2.4G	-55.66	2.50006G	-49.20	15.13282G	-42.92	1

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

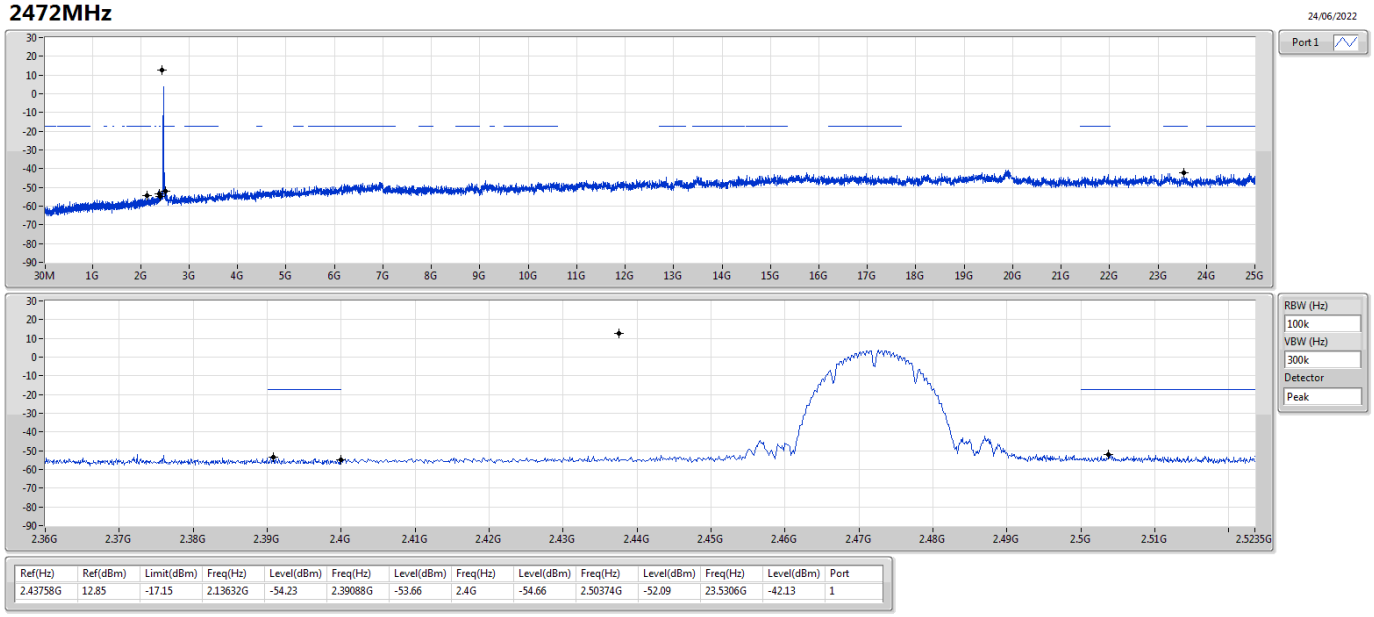
2467MHz



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
2.43758G	12.85	-17.15	1.96041G	-55.00	2.39824G	-54.26	2.4G	-56.76	2.50798G	-52.82	23.18502G	-41.78	1

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

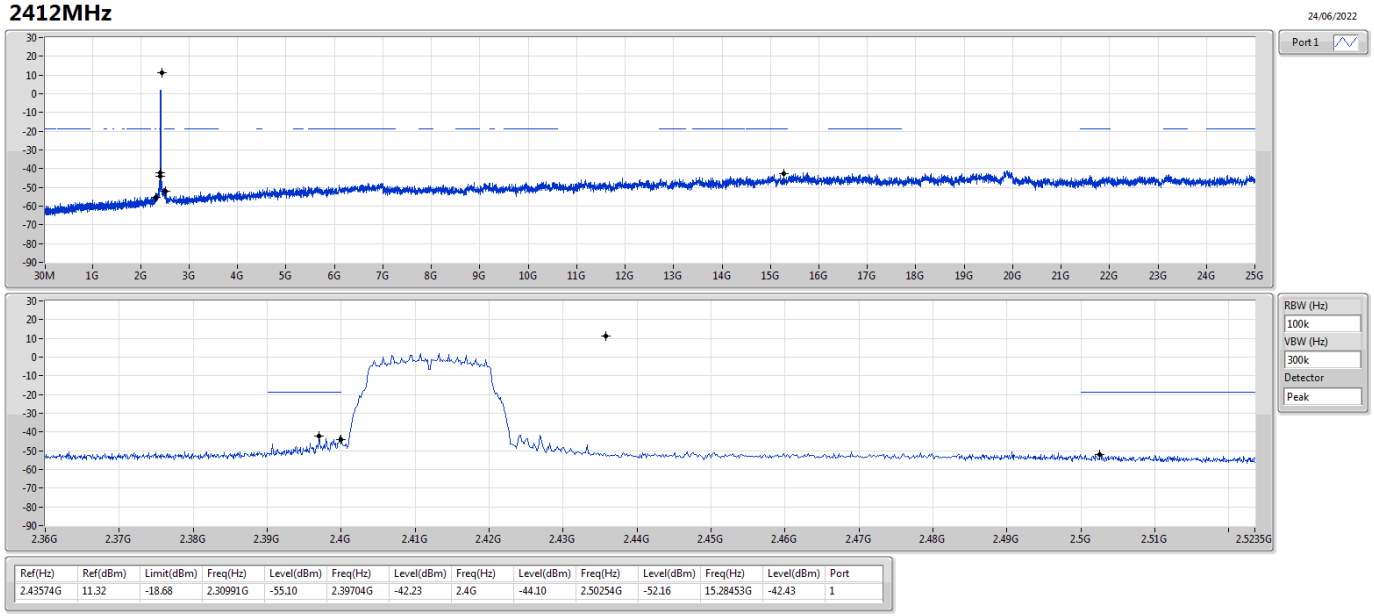
2472MHz



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
2.43758G	12.85	-17.15	2.13632G	-54.23	2.39088G	-53.66	2.4G	-54.66	2.50374G	-52.09	23.5306G	-42.13	1

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

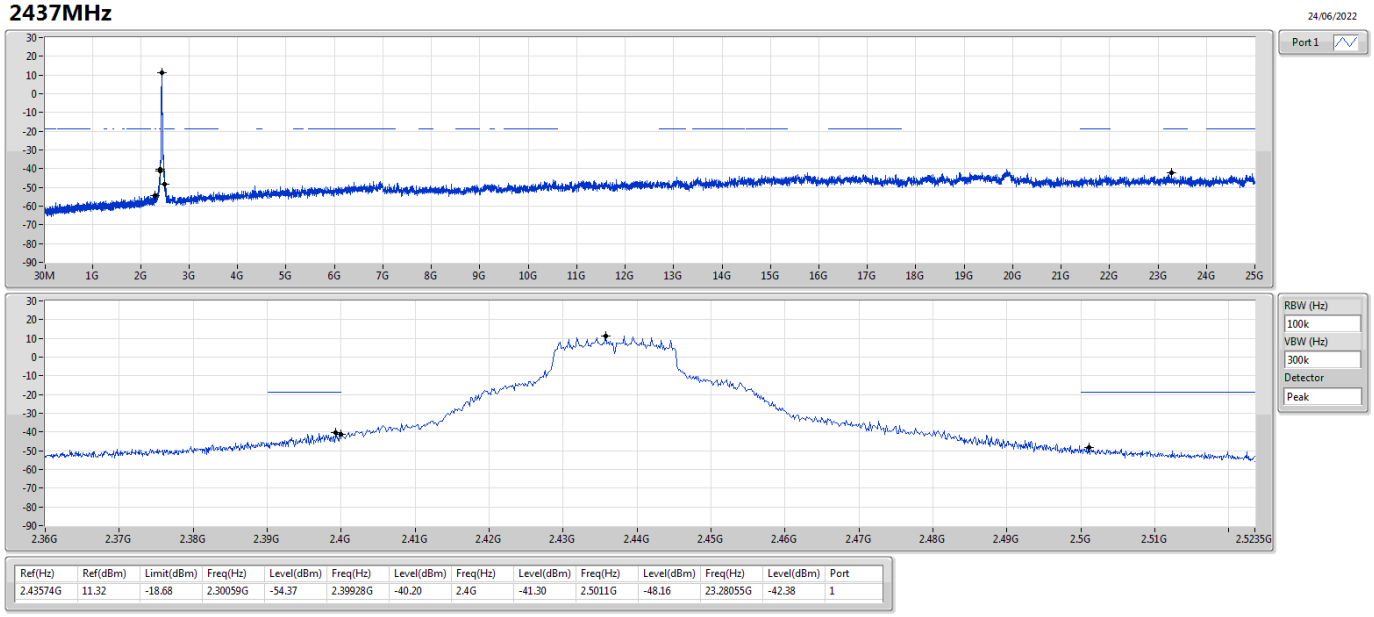
2412MHz



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
2.43574G	11.32	-18.68	2.30991G	-55.10	2.39704G	-42.23	2.4G	-44.10	2.50254G	-52.16	15.28453G	-42.43	1

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

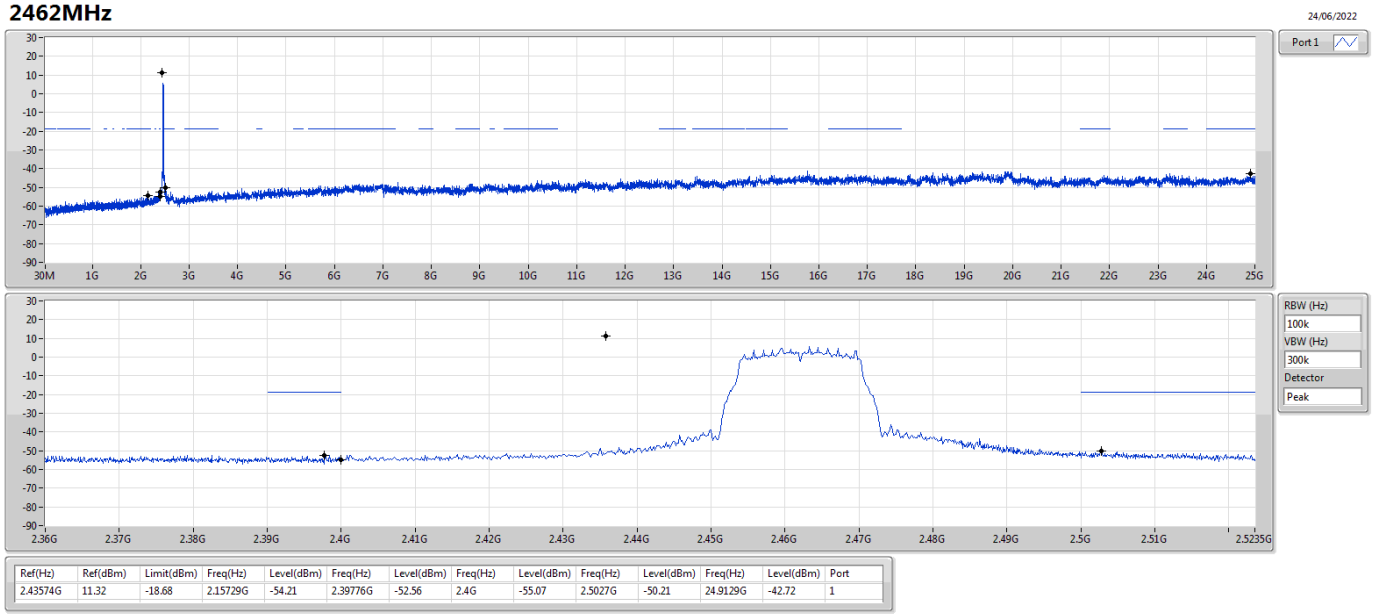
2437MHz



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
2.43574G	11.32	-18.68	2.30059G	-54.37	2.39928G	-40.20	2.4G	-41.30	2.5011G	-48.16	23.28055G	-42.38	1

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

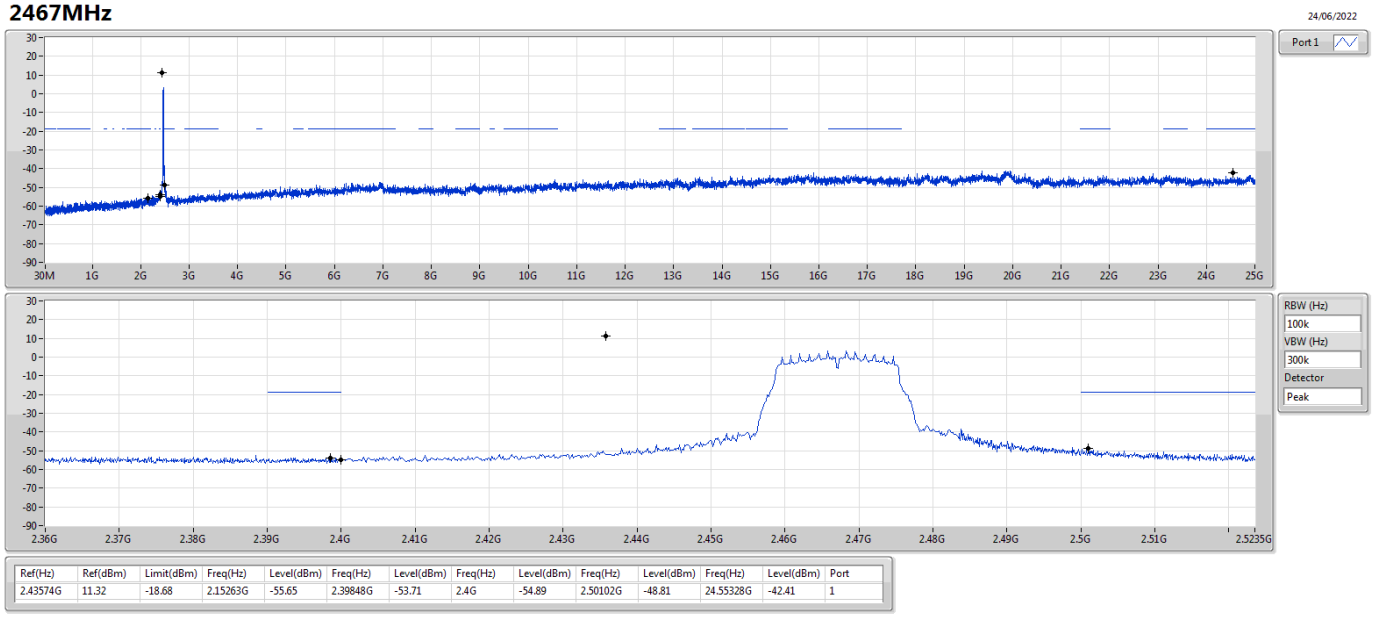
2462MHz



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
2.43574G	11.32	-18.68	2.15729G	-54.21	2.39776G	-52.56	2.4G	-55.07	2.5027G	-50.21	24.9129G	-42.72	1

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

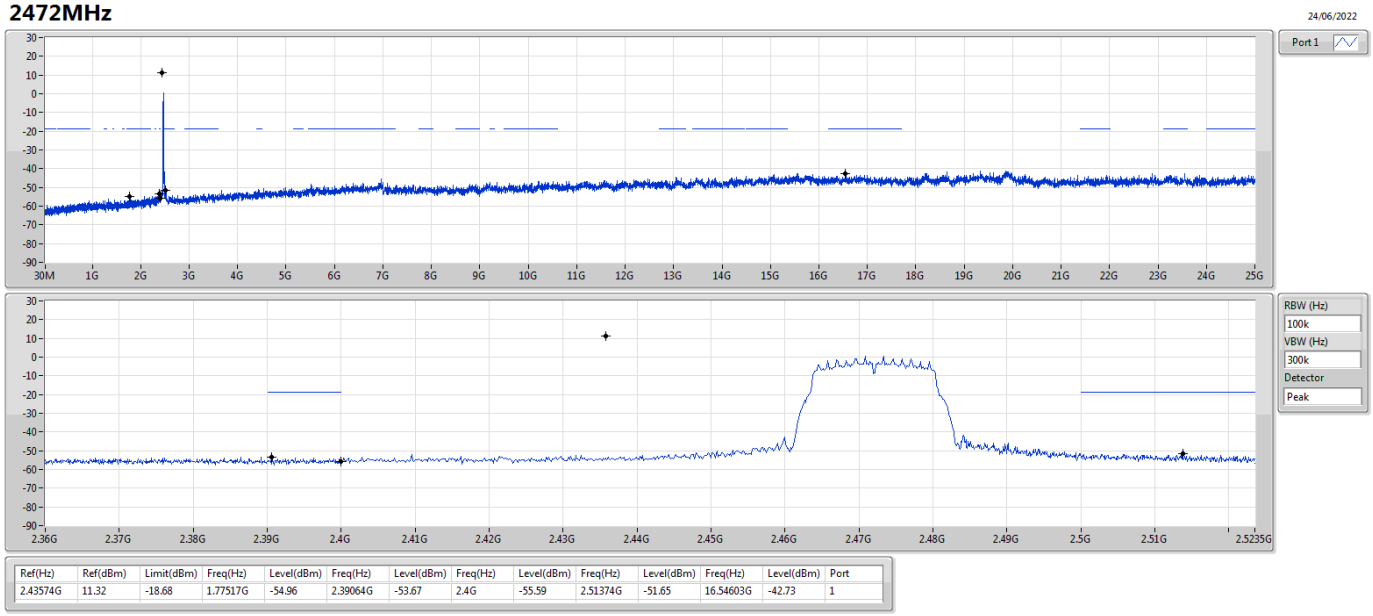
2467MHz



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
2.43574G	11.32	-18.68	2.15263G	-55.65	2.39848G	-53.71	2.4G	-54.89	2.50102G	-48.81	24.55328G	-42.41	1

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

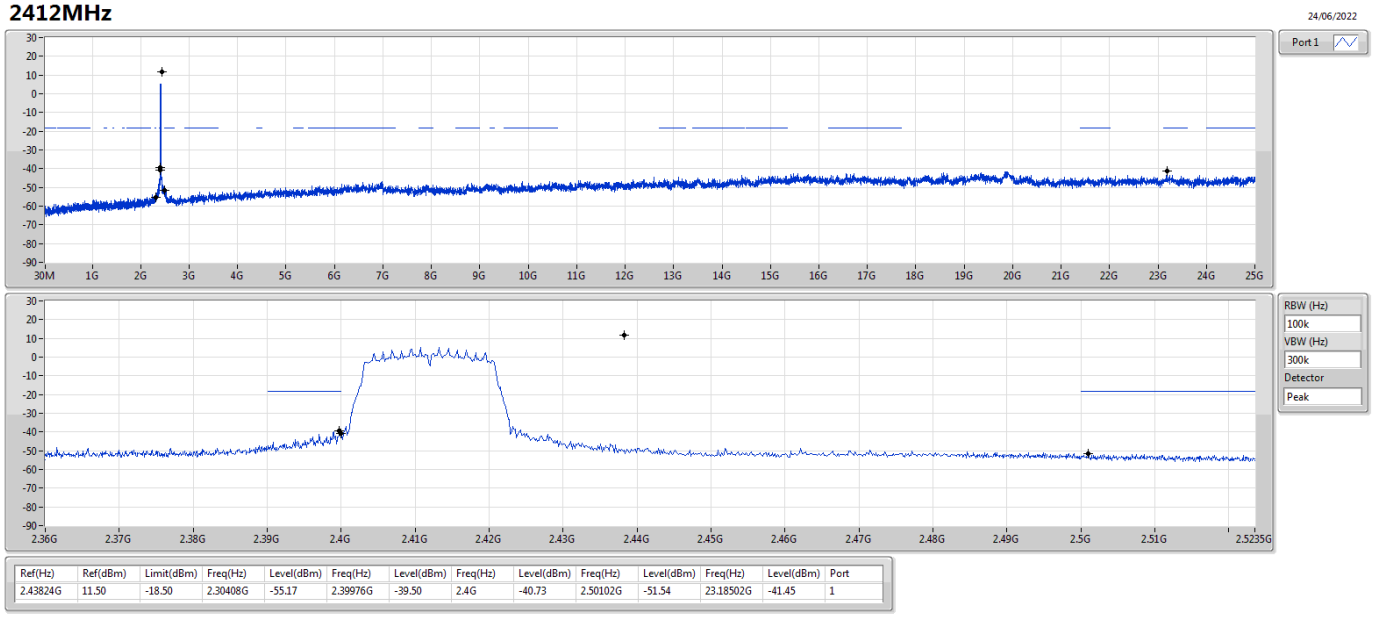
2472MHz



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
2.43574G	11.32	-18.68	1.77517G	-54.96	2.39064G	-53.67	2.4G	-55.59	2.51374G	-51.65	16.54603G	-42.73	1

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

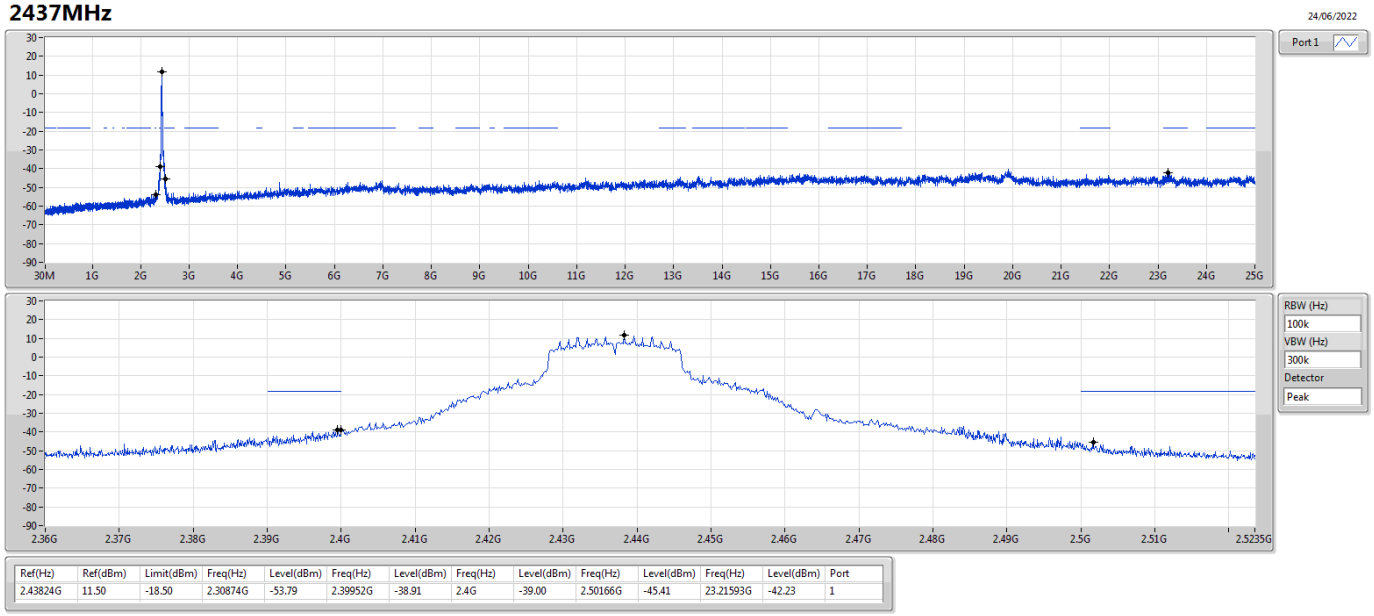
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	11.50	-18.50	2.30408G	-55.17	2.39976G	-39.50	2.4G	-40.73	2.50102G	-51.54	23.18502G	-41.45	1

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

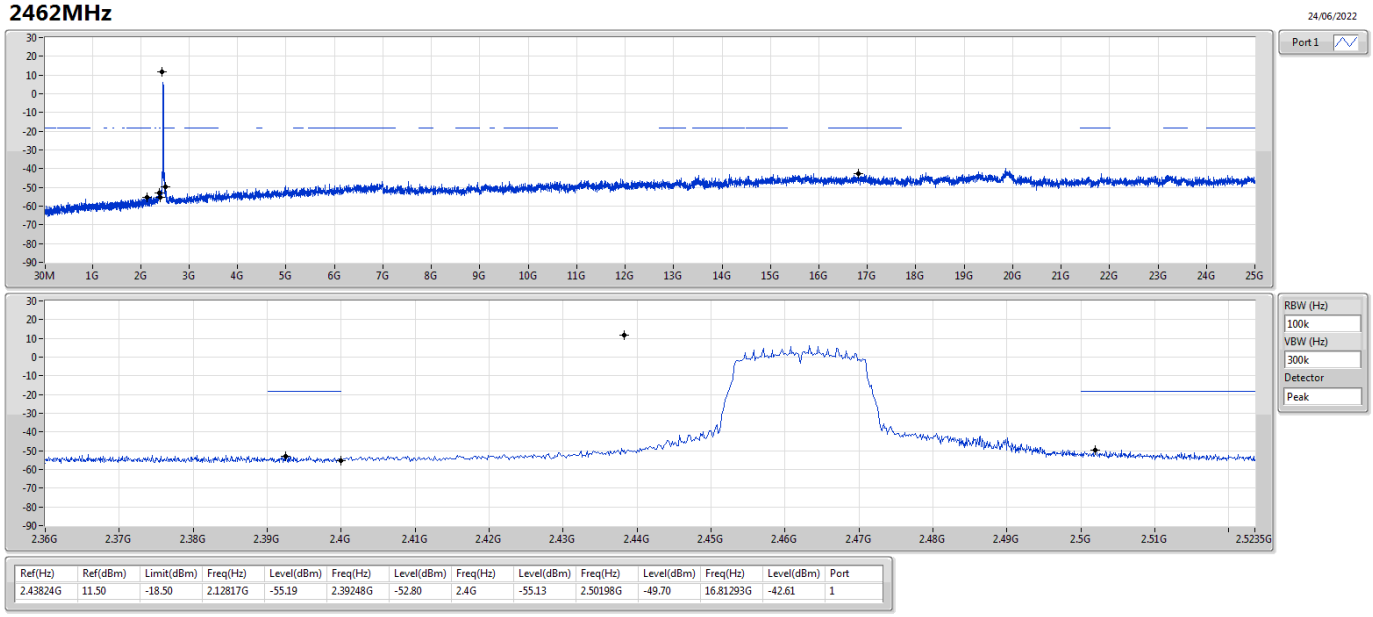
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	11.50	-18.50	2.30874G	-53.79	2.39952G	-38.91	2.4G	-39.00	2.50166G	-45.41	23.21593G	-42.23	1

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

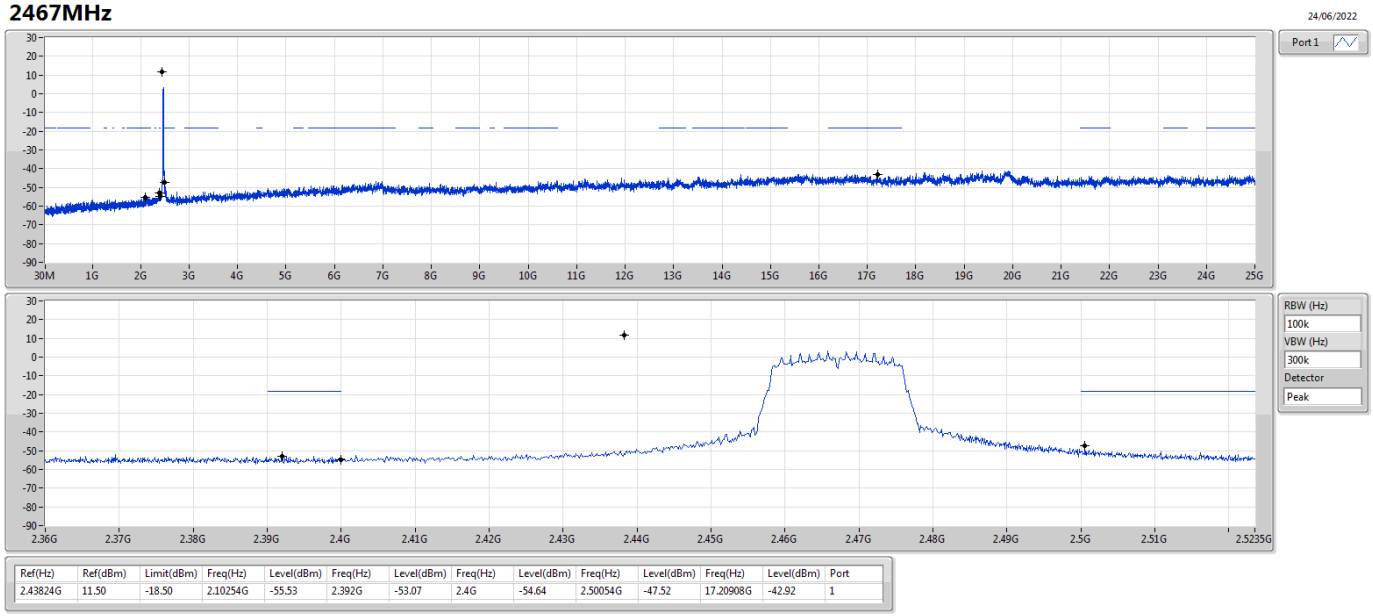
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	11.50	-18.50	2.12817G	-55.19	2.39248G	-52.80	2.4G	-55.13	2.50198G	-49.70	16.81293G	-42.61	1

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

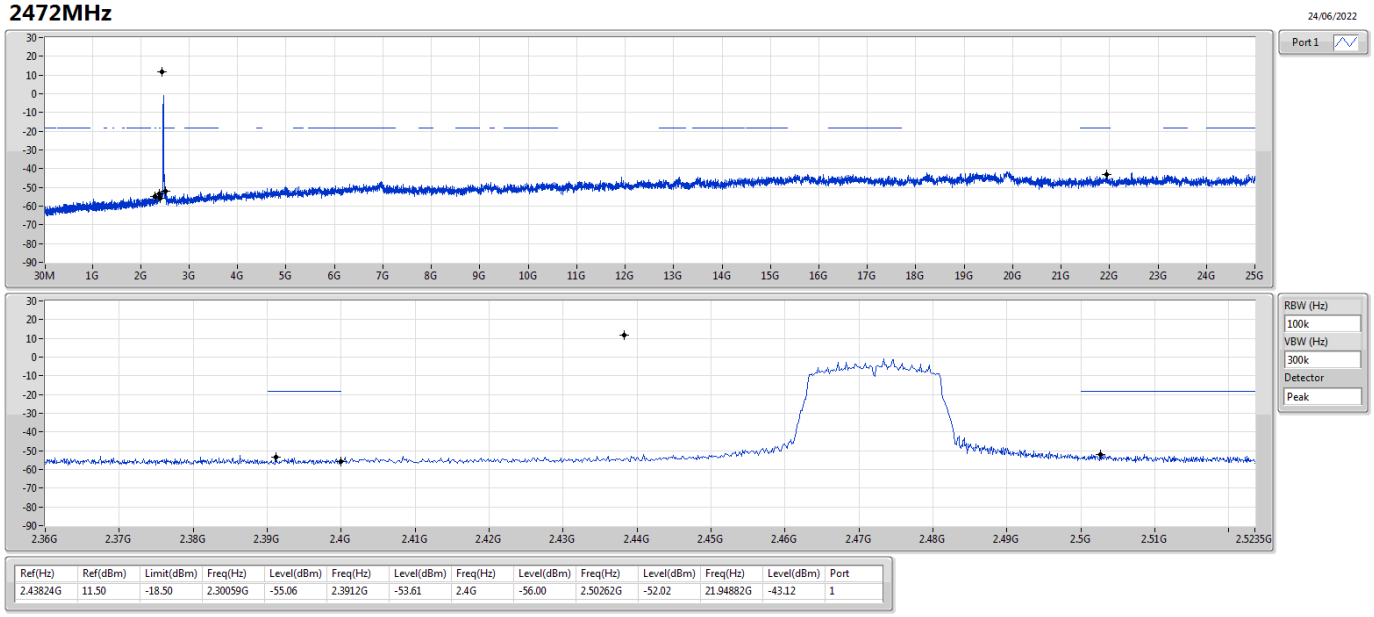
2467MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	11.50	-18.50	2.10254G	-55.53	2.392G	-53.07	2.4G	-54.64	2.50054G	-47.52	17.20908G	-42.92	1

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

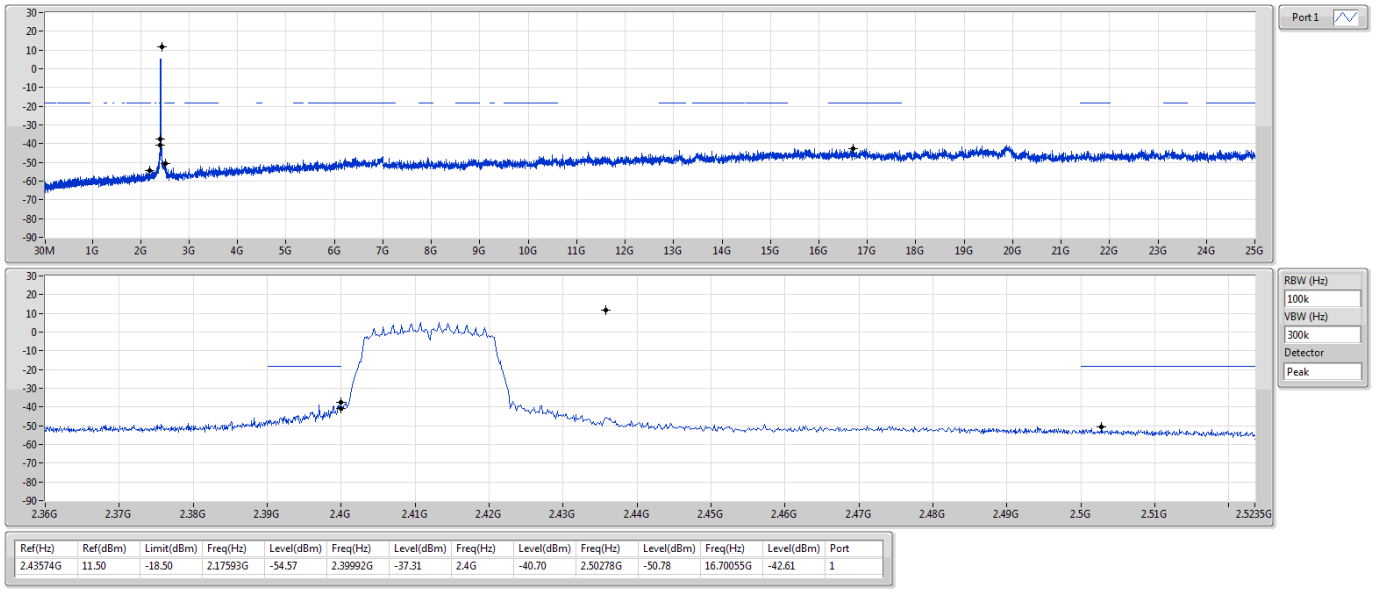
2472MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	11.50	-18.50	2.30059G	-55.06	2.3912G	-53.61	2.4G	-56.00	2.50262G	-52.02	21.94882G	-43.12	1

VHT20_Nss1,(MCS0)_1TX **CSENdB**

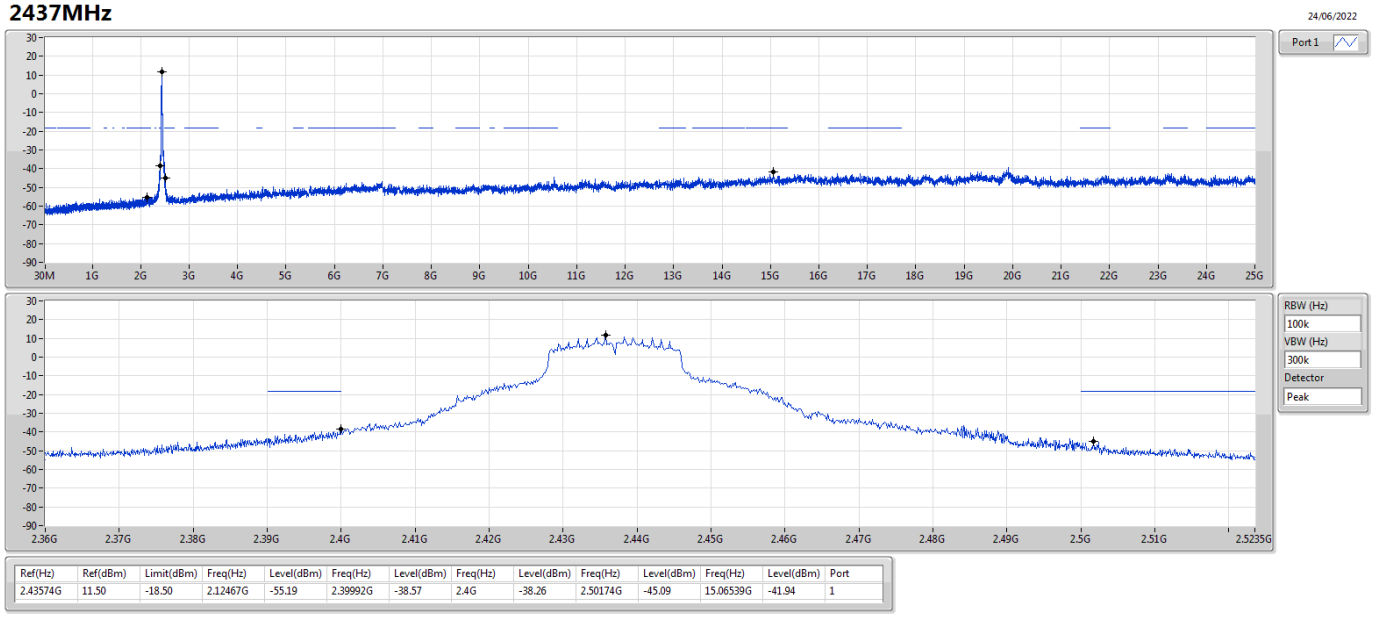
2412MHz



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
2.43574G	11.50	-18.50	2.17593G	-54.57	2.39992G	-37.31	2.4G	-40.70	2.50278G	-50.78	16.70055G	-42.61	1

VHT20_Nss1,(MCS0)_1TX **CSENdB**

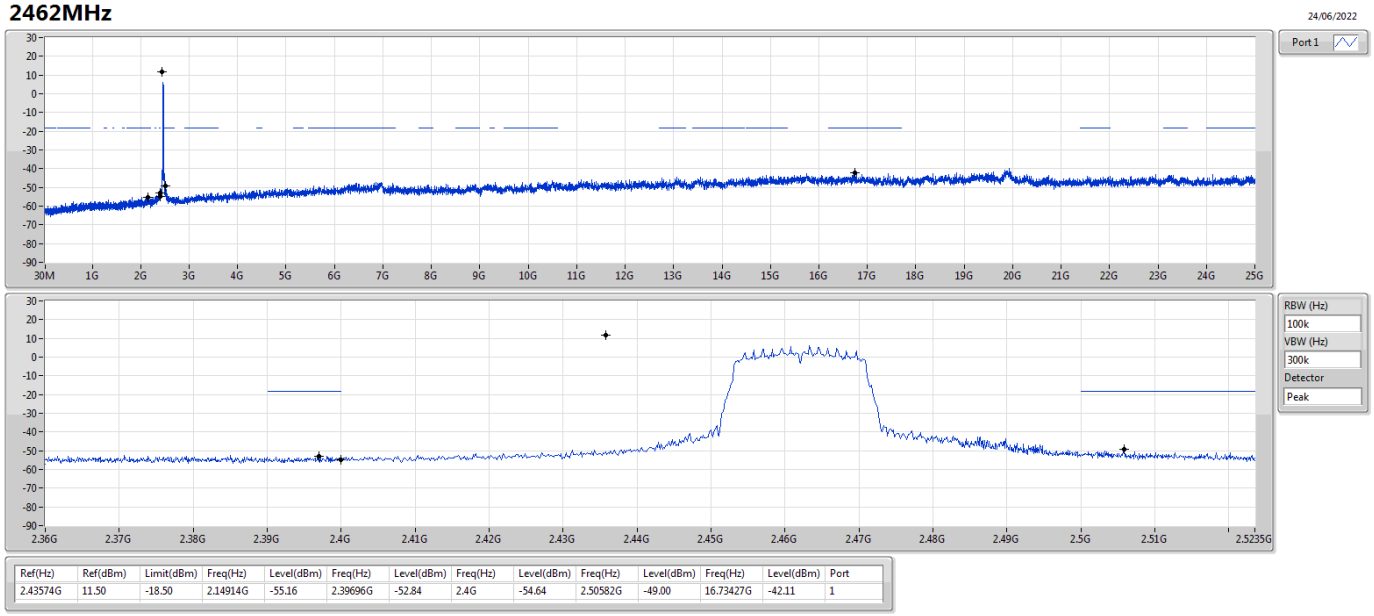
2437MHz



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
2.43574G	11.50	-18.50	2.12467G	-55.19	2.39992G	-38.57	2.4G	-38.26	2.50174G	-45.09	15.06539G	-41.94	1

VHT20_Nss1,(MCS0)_1TX **CSENdB**

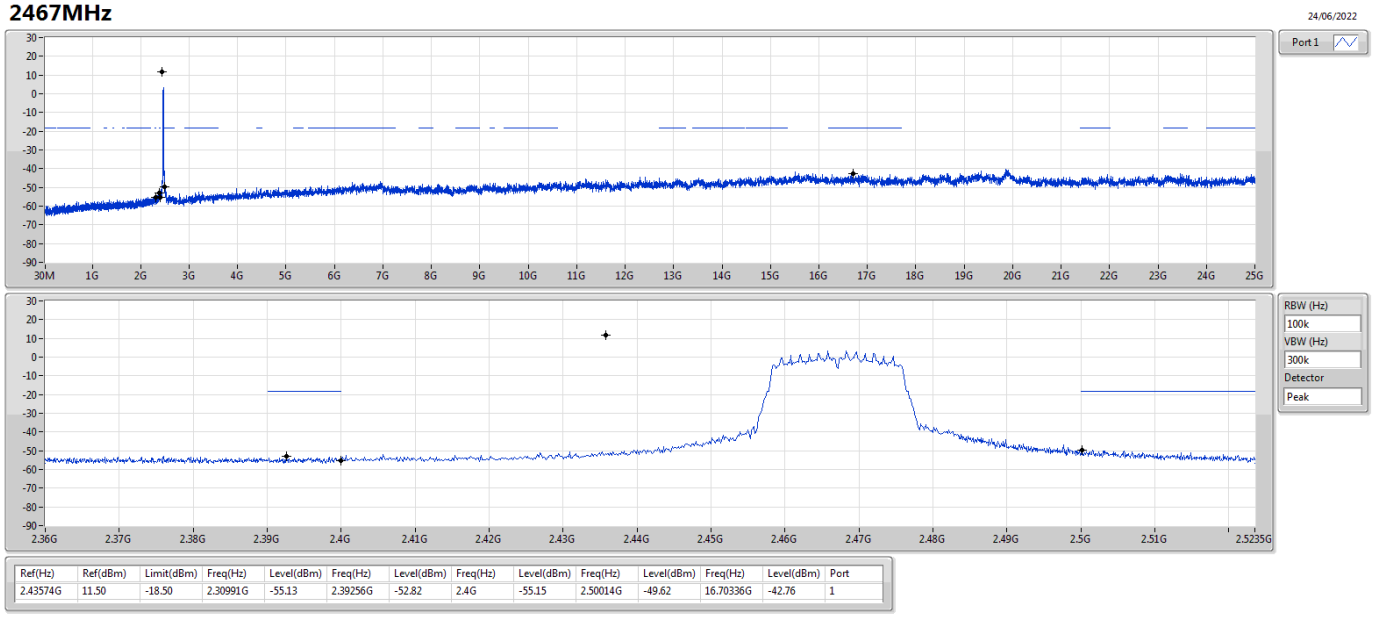
2462MHz



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
2.43574G	11.50	-18.50	2.14914G	-55.16	2.39696G	-52.84	2.4G	-54.64	2.50582G	-49.00	16.73427G	-42.11	1

VHT20_Nss1,(MCS0)_1TX **CSENdB**

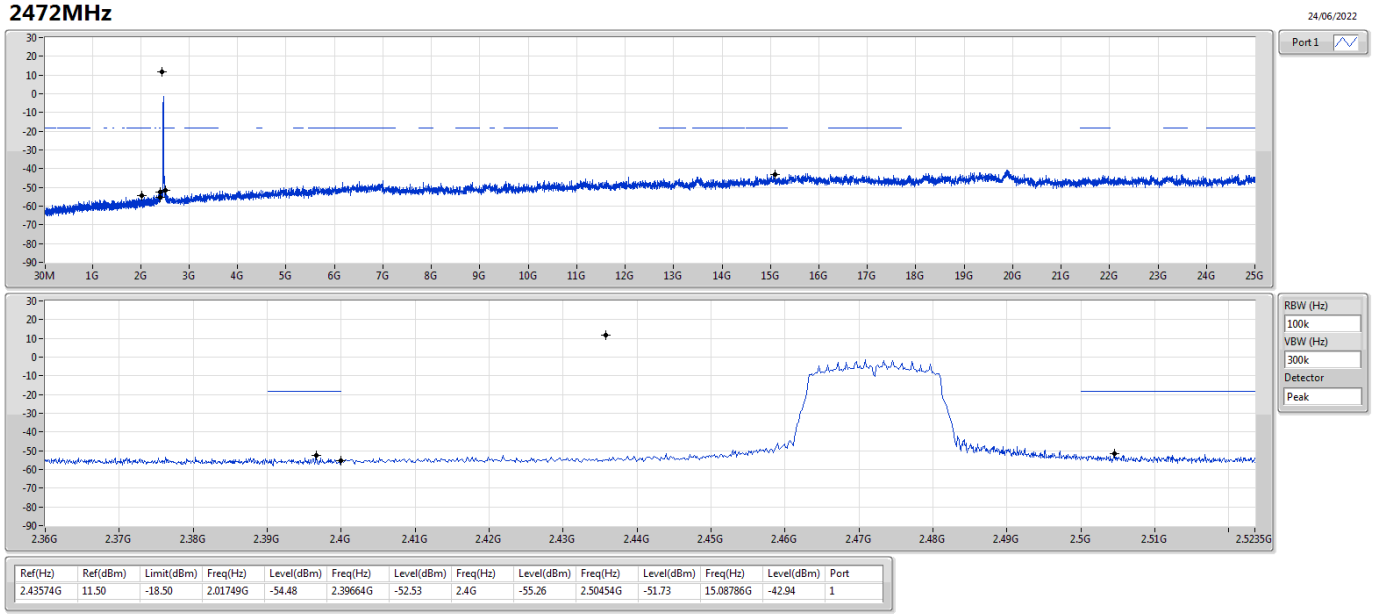
2467MHz



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
2.43574G	11.50	-18.50	2.30991G	-55.13	2.39256G	-52.82	2.4G	-55.15	2.50014G	-49.62	16.70336G	-42.76	1

VHT20_Nss1,(MCS0)_1TX **CSENdB**

2472MHz



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
2.43574G	11.50	-18.50	2.01749G	-54.48	2.39664G	-52.53	2.4G	-55.26	2.50454G	-51.73	15.08786G	-42.94	1

Summary

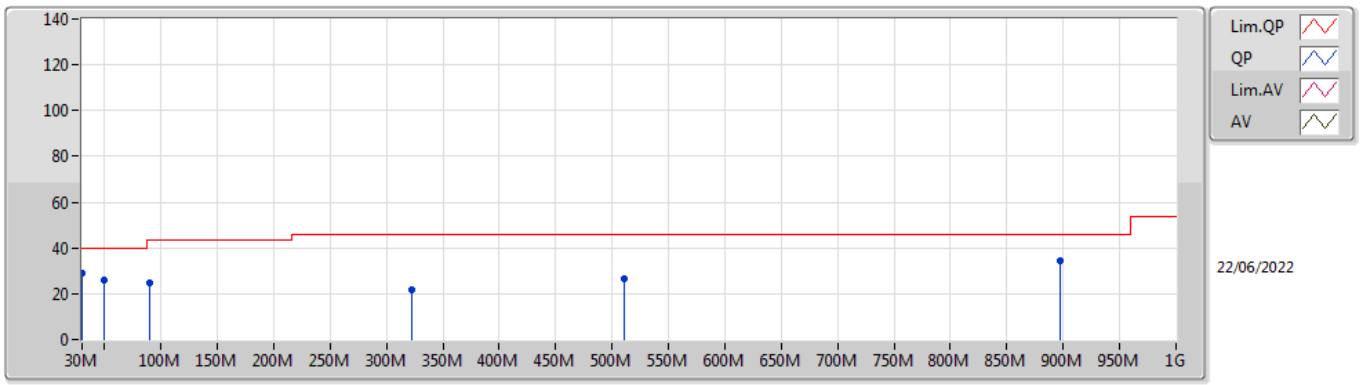
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
VHT20_Nss1,(MCS0)_1TX	Pass	PK	30M	28.67	40.00	-11.33	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	28.67	40.00	-11.33	3	Vertical	0	1.00	-
2437MHz	Pass	PK	49.4M	25.92	40.00	-14.08	3	Vertical	0	1.00	-
2437MHz	Pass	PK	90.14M	24.67	43.50	-18.83	3	Vertical	0	1.00	-
2437MHz	Pass	PK	322.94M	21.58	46.00	-24.42	3	Vertical	0	1.00	-
2437MHz	Pass	PK	511.12M	26.85	46.00	-19.15	3	Vertical	0	1.00	-
2437MHz	Pass	PK	897.18M	34.36	46.00	-11.64	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	22.98	40.00	-17.02	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	90.14M	22.96	43.50	-20.54	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	249.22M	22.15	46.00	-23.85	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	511.12M	26.90	46.00	-19.10	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	604.24M	27.69	46.00	-18.31	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	879.72M	30.99	46.00	-15.01	3	Horizontal	360	1.00	-

VHT20_Nss1,(MCS0)_1TX

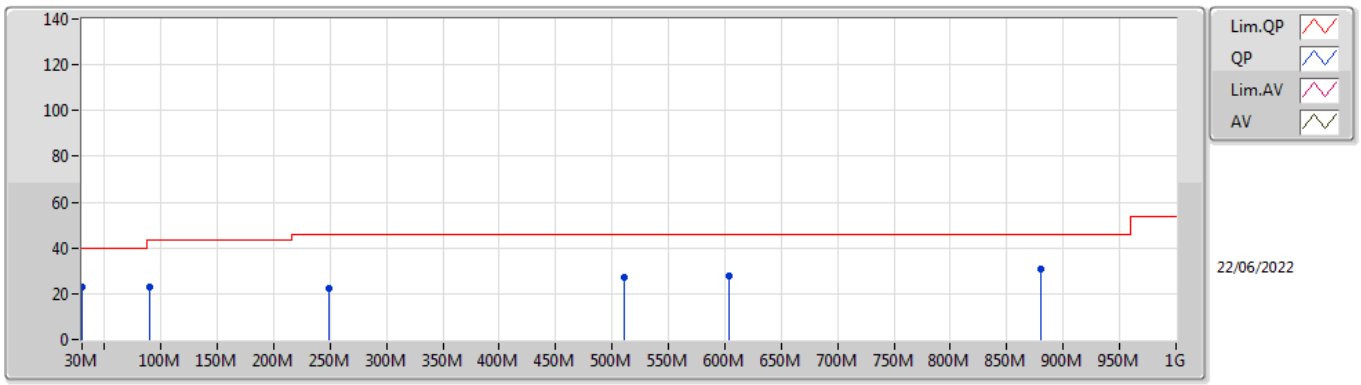
2437MHz_Test fixture



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	28.67	40.00	-11.33	-2.94	3	Vertical	0	1.00	-	31.61	23.76	0.88	27.58
PK	49.4M	25.92	40.00	-14.08	-12.97	3	Vertical	0	1.00	-	38.89	13.41	1.12	27.50
PK	90.14M	24.67	43.50	-18.83	-11.83	3	Vertical	0	1.00	-	36.50	14.03	1.54	27.40
PK	322.94M	21.58	46.00	-24.42	-4.91	3	Vertical	0	1.00	-	26.49	18.79	3.02	26.72
PK	511.12M	26.85	46.00	-19.15	-1.17	3	Vertical	0	1.00	-	28.02	22.80	3.85	27.82
PK	897.18M	34.36	46.00	-11.64	3.22	3	Vertical	0	1.00	-	31.14	25.53	5.25	27.56

VHT20_Nss1,(MCS0)_1TX

2437MHz_Test fixture



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	22.98	40.00	-17.02	-2.94	3	Horizontal	360	1.00	-	25.92	23.76	0.88	27.58
PK	90.14M	22.96	43.50	-20.54	-11.83	3	Horizontal	360	1.00	-	34.79	14.03	1.54	27.40
PK	249.22M	22.15	46.00	-23.85	-6.61	3	Horizontal	360	1.00	-	28.76	17.44	2.63	26.68
PK	511.12M	26.90	46.00	-19.10	-1.17	3	Horizontal	360	1.00	-	28.07	22.80	3.85	27.82
PK	604.24M	27.69	46.00	-18.31	0.07	3	Horizontal	360	1.00	-	27.62	23.80	4.23	27.96
PK	879.72M	30.99	46.00	-15.01	3.35	3	Horizontal	360	1.00	-	27.64	25.68	5.20	27.53

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	2.4872G	53.36	54.00	-0.64	3	Vertical	32	1.14	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.3896G	53.48	54.00	-0.52	3	Vertical	29	1.34	-
VHT20_Nss1,(MCS0)_1TX	Pass	AV	2.3892G	53.47	54.00	-0.53	3	Vertical	27	1.35	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3832G	53.08	54.00	-0.92	3	Vertical	29	1.34	-
2412MHz	Pass	AV	2.4128G	112.36	Inf	-Inf	3	Vertical	29	1.34	-
2412MHz	Pass	PK	2.3862G	61.77	74.00	-12.23	3	Vertical	29	1.34	-
2412MHz	Pass	PK	2.4128G	114.78	Inf	-Inf	3	Vertical	29	1.34	-
2412MHz	Pass	AV	2.3868G	53.22	54.00	-0.78	3	Horizontal	179	1.98	-
2412MHz	Pass	AV	2.4112G	107.55	Inf	-Inf	3	Horizontal	179	1.98	-
2412MHz	Pass	PK	2.387G	61.86	74.00	-12.14	3	Horizontal	179	1.98	-
2412MHz	Pass	PK	2.411G	109.96	Inf	-Inf	3	Horizontal	179	1.98	-
2412MHz	Pass	AV	4.82398G	52.93	54.00	-1.07	3	Vertical	42	2.27	-
2412MHz	Pass	PK	4.82396G	55.23	74.00	-18.77	3	Vertical	42	2.27	-
2412MHz	Pass	AV	4.82398G	52.82	54.00	-1.18	3	Horizontal	354	1.91	-
2412MHz	Pass	PK	4.82404G	55.05	74.00	-18.95	3	Horizontal	354	1.91	-
2437MHz	Pass	AV	2.3882G	50.97	54.00	-3.03	3	Vertical	31	1.27	-
2437MHz	Pass	AV	2.4362G	112.16	Inf	-Inf	3	Vertical	31	1.27	-
2437MHz	Pass	AV	2.4842G	51.47	54.00	-2.53	3	Vertical	31	1.27	-
2437MHz	Pass	PK	2.3862G	60.35	74.00	-13.65	3	Vertical	31	1.27	-
2437MHz	Pass	PK	2.4362G	114.58	Inf	-Inf	3	Vertical	31	1.27	-
2437MHz	Pass	PK	2.485G	60.98	74.00	-13.02	3	Vertical	31	1.27	-
2437MHz	Pass	AV	2.3882G	48.52	54.00	-5.48	3	Horizontal	177	1.66	-
2437MHz	Pass	AV	2.4362G	107.85	Inf	-Inf	3	Horizontal	177	1.66	-
2437MHz	Pass	AV	2.4842G	48.65	54.00	-5.35	3	Horizontal	177	1.66	-
2437MHz	Pass	PK	2.3578G	59.52	74.00	-14.48	3	Horizontal	177	1.66	-
2437MHz	Pass	PK	2.4362G	110.28	Inf	-Inf	3	Horizontal	177	1.66	-
2437MHz	Pass	PK	2.4835G	60.07	74.00	-13.93	3	Horizontal	177	1.66	-
2437MHz	Pass	AV	4.87396G	53.30	54.00	-0.70	3	Vertical	44	2.10	-
2437MHz	Pass	AV	7.31174G	47.69	54.00	-6.31	3	Vertical	311	1.25	-
2437MHz	Pass	PK	4.874G	55.72	74.00	-18.28	3	Vertical	44	2.10	-
2437MHz	Pass	PK	7.31172G	54.91	74.00	-19.09	3	Vertical	311	1.25	-
2437MHz	Pass	AV	4.87398G	52.20	54.00	-1.80	3	Horizontal	354	1.50	-
2437MHz	Pass	AV	7.3117G	51.14	54.00	-2.86	3	Horizontal	22	2.74	-
2437MHz	Pass	PK	4.87394G	54.63	74.00	-19.37	3	Horizontal	354	1.50	-
2437MHz	Pass	PK	7.31186G	56.99	74.00	-17.01	3	Horizontal	22	2.74	-
2457MHz	Pass	AV	2.4562G	111.39	Inf	-Inf	3	Vertical	30	1.28	-
2457MHz	Pass	AV	2.4836G	51.30	54.00	-2.70	3	Vertical	30	1.28	-
2457MHz	Pass	PK	2.456G	113.80	Inf	-Inf	3	Vertical	30	1.28	-
2457MHz	Pass	PK	2.4846G	60.87	74.00	-13.13	3	Vertical	30	1.28	-
2457MHz	Pass	AV	2.4562G	106.57	Inf	-Inf	3	Horizontal	215	1.30	-
2457MHz	Pass	AV	2.4946G	48.70	54.00	-5.30	3	Horizontal	215	1.30	-
2457MHz	Pass	PK	2.456G	108.99	Inf	-Inf	3	Horizontal	215	1.30	-
2457MHz	Pass	PK	2.4912G	60.05	74.00	-13.95	3	Horizontal	215	1.30	-
2457MHz	Pass	AV	4.914G	47.75	54.00	-6.25	3	Vertical	44	1.90	-
2457MHz	Pass	AV	7.37184G	46.72	54.00	-7.28	3	Vertical	320	1.76	-
2457MHz	Pass	PK	4.91388G	51.81	74.00	-22.19	3	Vertical	44	1.90	-
2457MHz	Pass	PK	7.37178G	54.63	74.00	-19.37	3	Vertical	320	1.76	-
2457MHz	Pass	AV	4.914G	45.97	54.00	-8.03	3	Horizontal	360	1.50	-
2457MHz	Pass	AV	7.37178G	50.38	54.00	-3.62	3	Horizontal	22	2.64	-
2457MHz	Pass	PK	4.91376G	50.20	74.00	-23.80	3	Horizontal	360	1.50	-
2457MHz	Pass	PK	7.3707G	55.78	74.00	-18.22	3	Horizontal	22	2.64	-
2462MHz	Pass	AV	2.4612G	110.88	Inf	-Inf	3	Vertical	32	1.17	-
2462MHz	Pass	AV	2.4835G	52.94	54.00	-1.06	3	Vertical	32	1.17	-
2462MHz	Pass	PK	2.461G	113.24	Inf	-Inf	3	Vertical	32	1.17	-
2462MHz	Pass	PK	2.4892G	62.25	74.00	-11.75	3	Vertical	32	1.17	-
2462MHz	Pass	AV	2.4612G	105.93	Inf	-Inf	3	Horizontal	215	1.59	-
2462MHz	Pass	AV	2.4902G	49.31	54.00	-4.69	3	Horizontal	215	1.59	-
2462MHz	Pass	PK	2.461G	108.35	Inf	-Inf	3	Horizontal	215	1.59	-
2462MHz	Pass	PK	2.4916G	59.92	74.00	-14.08	3	Horizontal	215	1.59	-
2462MHz	Pass	AV	4.92396G	47.75	54.00	-6.25	3	Vertical	0	2.96	-
2462MHz	Pass	AV	7.38514G	44.64	54.00	-9.36	3	Vertical	322	1.74	-
2462MHz	Pass	PK	4.92408G	51.18	74.00	-22.82	3	Vertical	0	2.96	-
2462MHz	Pass	PK	7.38372G	52.84	74.00	-21.16	3	Vertical	322	1.74	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.92398G	47.59	54.00	-6.41	3	Horizontal	355	3.00	-
2462MHz	Pass	AV	7.38512G	48.85	54.00	-5.15	3	Horizontal	21	2.49	-
2462MHz	Pass	PK	4.9239G	51.36	74.00	-22.64	3	Horizontal	355	3.00	-
2462MHz	Pass	PK	7.38684G	55.23	74.00	-18.77	3	Horizontal	21	2.49	-
2467MHz	Pass	AV	2.4662G	105.10	Inf	-Inf	3	Vertical	33	1.25	-
2467MHz	Pass	AV	2.4842G	53.35	54.00	-0.65	3	Vertical	33	1.25	-
2467MHz	Pass	PK	2.466G	107.49	Inf	-Inf	3	Vertical	33	1.25	-
2467MHz	Pass	PK	2.4836G	61.88	74.00	-12.12	3	Vertical	33	1.25	-
2467MHz	Pass	AV	2.4678G	100.13	Inf	-Inf	3	Horizontal	215	1.18	-
2467MHz	Pass	AV	2.4842G	50.08	54.00	-3.92	3	Horizontal	215	1.18	-
2467MHz	Pass	PK	2.4678G	102.54	Inf	-Inf	3	Horizontal	215	1.18	-
2467MHz	Pass	PK	2.4844G	60.48	74.00	-13.52	3	Horizontal	215	1.18	-
2467MHz	Pass	AV	4.93396G	36.63	54.00	-17.37	3	Vertical	0	2.96	-
2467MHz	Pass	AV	7.40018G	37.77	54.00	-16.23	3	Vertical	321	1.50	-
2467MHz	Pass	PK	4.934G	45.98	74.00	-28.02	3	Vertical	0	2.96	-
2467MHz	Pass	PK	7.40358G	49.42	74.00	-24.58	3	Vertical	321	1.50	-
2467MHz	Pass	AV	4.93394G	37.80	54.00	-16.20	3	Horizontal	9	2.00	-
2467MHz	Pass	AV	7.40178G	40.00	54.00	-14.00	3	Horizontal	23	2.62	-
2467MHz	Pass	PK	4.93354G	45.82	74.00	-28.18	3	Horizontal	9	2.00	-
2467MHz	Pass	PK	7.40178G	50.66	74.00	-23.34	3	Horizontal	23	2.62	-
2472MHz	Pass	AV	2.4712G	102.26	Inf	-Inf	3	Vertical	32	1.14	-
2472MHz	Pass	AV	2.4872G	53.36	54.00	-0.64	3	Vertical	32	1.14	-
2472MHz	Pass	PK	2.471G	104.67	Inf	-Inf	3	Vertical	32	1.14	-
2472MHz	Pass	PK	2.487G	62.00	74.00	-12.00	3	Vertical	32	1.14	-
2472MHz	Pass	AV	2.4712G	97.86	Inf	-Inf	3	Horizontal	216	1.19	-
2472MHz	Pass	AV	2.487G	50.28	54.00	-3.72	3	Horizontal	216	1.19	-
2472MHz	Pass	PK	2.471G	100.27	Inf	-Inf	3	Horizontal	216	1.19	-
2472MHz	Pass	PK	2.4838G	60.07	74.00	-13.93	3	Horizontal	216	1.19	-
2472MHz	Pass	AV	4.94388G	33.60	54.00	-20.40	3	Vertical	0	2.98	-
2472MHz	Pass	AV	7.41732G	36.94	54.00	-17.06	3	Vertical	322	1.50	-
2472MHz	Pass	PK	4.94076G	44.68	74.00	-29.32	3	Vertical	0	2.98	-
2472MHz	Pass	PK	7.41122G	49.61	74.00	-24.39	3	Vertical	322	1.50	-
2472MHz	Pass	AV	4.94398G	36.31	54.00	-17.69	3	Horizontal	356	2.35	-
2472MHz	Pass	AV	7.41684G	37.75	54.00	-16.25	3	Horizontal	22	2.96	-
2472MHz	Pass	PK	4.944G	45.68	74.00	-28.32	3	Horizontal	356	2.35	-
2472MHz	Pass	PK	7.41714G	49.70	74.00	-24.30	3	Horizontal	22	2.96	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	50.69	54.00	-3.31	3	Vertical	53	2.30	-
2412MHz	Pass	AV	2.4112G	101.94	Inf	-Inf	3	Vertical	53	2.30	-
2412MHz	Pass	PK	2.39G	63.38	74.00	-10.62	3	Vertical	53	2.30	-
2412MHz	Pass	PK	2.4072G	110.35	Inf	-Inf	3	Vertical	53	2.30	-
2412MHz	Pass	AV	2.39G	50.03	54.00	-3.97	3	Horizontal	155	1.77	-
2412MHz	Pass	AV	2.413G	100.42	Inf	-Inf	3	Horizontal	155	1.77	-
2412MHz	Pass	PK	2.3896G	63.56	74.00	-10.44	3	Horizontal	155	1.77	-
2412MHz	Pass	PK	2.4108G	108.86	Inf	-Inf	3	Horizontal	155	1.77	-
2412MHz	Pass	AV	4.8432G	31.77	54.00	-22.23	3	Vertical	296	1.63	-
2412MHz	Pass	PK	4.82248G	42.91	74.00	-31.09	3	Vertical	296	1.63	-
2412MHz	Pass	AV	4.82376G	31.70	54.00	-22.30	3	Horizontal	110	2.41	-
2412MHz	Pass	PK	4.80824G	44.54	74.00	-29.46	3	Horizontal	110	2.41	-
2417MHz	Pass	AV	2.3896G	53.48	54.00	-0.52	3	Vertical	29	1.34	-
2417MHz	Pass	AV	2.4158G	105.95	Inf	-Inf	3	Vertical	29	1.34	-
2417MHz	Pass	PK	2.3886G	65.13	74.00	-8.87	3	Vertical	29	1.34	-
2417MHz	Pass	PK	2.4122G	114.41	Inf	-Inf	3	Vertical	29	1.34	-
2417MHz	Pass	AV	2.3898G	51.99	54.00	-2.01	3	Horizontal	216	2.44	-
2417MHz	Pass	AV	2.416G	101.96	Inf	-Inf	3	Horizontal	216	2.44	-
2417MHz	Pass	PK	2.3898G	65.28	74.00	-8.72	3	Horizontal	216	2.44	-
2417MHz	Pass	PK	2.4156G	110.29	Inf	-Inf	3	Horizontal	216	2.44	-
2437MHz	Pass	AV	2.3898G	52.38	54.00	-1.62	3	Vertical	32	1.44	-
2437MHz	Pass	AV	2.4362G	108.50	Inf	-Inf	3	Vertical	32	1.44	-
2437MHz	Pass	AV	2.4835G	52.66	54.00	-1.34	3	Vertical	32	1.44	-
2437MHz	Pass	PK	2.3894G	65.28	74.00	-8.72	3	Vertical	32	1.44	-
2437MHz	Pass	PK	2.4386G	116.50	Inf	-Inf	3	Vertical	32	1.44	-

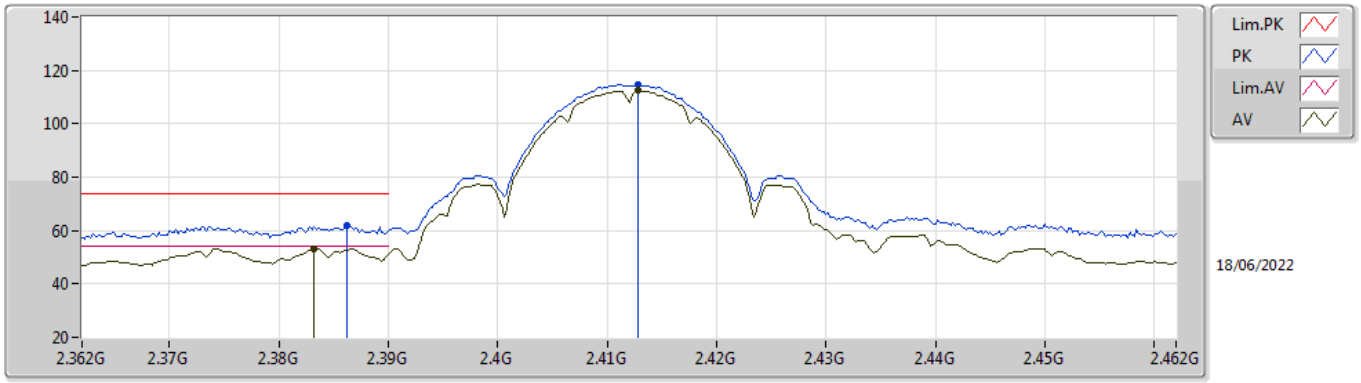
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4854G	65.09	74.00	-8.91	3	Vertical	32	1.44	-
2437MHz	Pass	AV	2.3894G	50.35	54.00	-3.65	3	Horizontal	214	1.41	-
2437MHz	Pass	AV	2.4362G	104.83	Inf	-Inf	3	Horizontal	214	1.41	-
2437MHz	Pass	AV	2.4835G	50.07	54.00	-3.93	3	Horizontal	214	1.41	-
2437MHz	Pass	PK	2.387G	62.41	74.00	-11.59	3	Horizontal	214	1.41	-
2437MHz	Pass	PK	2.4326G	112.82	Inf	-Inf	3	Horizontal	214	1.41	-
2437MHz	Pass	PK	2.4838G	61.59	74.00	-12.41	3	Horizontal	214	1.41	-
2437MHz	Pass	AV	4.87192G	40.30	54.00	-13.70	3	Vertical	45	2.30	-
2437MHz	Pass	AV	7.31394G	41.76	54.00	-12.24	3	Vertical	310	1.62	-
2437MHz	Pass	PK	4.87244G	52.65	74.00	-21.35	3	Vertical	45	2.30	-
2437MHz	Pass	PK	7.31496G	55.65	74.00	-18.35	3	Vertical	310	1.62	-
2437MHz	Pass	AV	4.876G	40.43	54.00	-13.57	3	Horizontal	43	2.10	-
2437MHz	Pass	AV	7.31422G	44.50	54.00	-9.50	3	Horizontal	20	2.46	-
2437MHz	Pass	PK	4.87038G	52.75	74.00	-21.25	3	Horizontal	43	2.10	-
2437MHz	Pass	PK	7.31486G	57.66	74.00	-16.34	3	Horizontal	20	2.46	-
2457MHz	Pass	AV	2.456G	104.11	Inf	-Inf	3	Vertical	32	1.29	-
2457MHz	Pass	AV	2.4835G	53.07	54.00	-0.93	3	Vertical	32	1.29	-
2457MHz	Pass	PK	2.4522G	112.70	Inf	-Inf	3	Vertical	32	1.29	-
2457MHz	Pass	PK	2.484G	65.63	74.00	-8.37	3	Vertical	32	1.29	-
2457MHz	Pass	AV	2.4562G	99.23	Inf	-Inf	3	Horizontal	215	1.30	-
2457MHz	Pass	AV	2.4835G	50.26	54.00	-3.74	3	Horizontal	215	1.30	-
2457MHz	Pass	PK	2.4522G	107.93	Inf	-Inf	3	Horizontal	215	1.30	-
2457MHz	Pass	PK	2.4844G	63.19	74.00	-10.81	3	Horizontal	215	1.30	-
2462MHz	Pass	AV	2.461G	103.53	Inf	-Inf	3	Vertical	29	1.16	-
2462MHz	Pass	AV	2.4835G	50.44	54.00	-3.56	3	Vertical	29	1.16	-
2462MHz	Pass	PK	2.461G	111.99	Inf	-Inf	3	Vertical	29	1.16	-
2462MHz	Pass	PK	2.4836G	62.40	74.00	-11.60	3	Vertical	29	1.16	-
2462MHz	Pass	AV	2.463G	98.24	Inf	-Inf	3	Horizontal	214	1.58	-
2462MHz	Pass	AV	2.4835G	48.86	54.00	-5.14	3	Horizontal	214	1.58	-
2462MHz	Pass	PK	2.4632G	106.30	Inf	-Inf	3	Horizontal	214	1.58	-
2462MHz	Pass	PK	2.492G	60.04	74.00	-13.96	3	Horizontal	214	1.58	-
2462MHz	Pass	AV	4.94072G	32.50	54.00	-21.50	3	Vertical	213	2.13	-
2462MHz	Pass	AV	7.36704G	37.69	54.00	-16.31	3	Vertical	206	2.64	-
2462MHz	Pass	PK	4.9212G	43.45	74.00	-30.55	3	Vertical	213	2.13	-
2462MHz	Pass	PK	7.38864G	49.37	74.00	-24.63	3	Vertical	206	2.64	-
2462MHz	Pass	AV	4.93952G	32.50	54.00	-21.50	3	Horizontal	74	1.84	-
2462MHz	Pass	AV	7.37152G	37.71	54.00	-16.29	3	Horizontal	350	2.84	-
2462MHz	Pass	PK	4.9224G	44.57	74.00	-29.43	3	Horizontal	74	1.84	-
2462MHz	Pass	PK	7.37024G	49.06	74.00	-24.94	3	Horizontal	350	2.84	-
2467MHz	Pass	AV	2.466G	99.96	Inf	-Inf	3	Vertical	31	1.26	-
2467MHz	Pass	AV	2.4835G	53.47	54.00	-0.53	3	Vertical	31	1.26	-
2467MHz	Pass	PK	2.4622G	108.46	Inf	-Inf	3	Vertical	31	1.26	-
2467MHz	Pass	PK	2.4846G	65.35	74.00	-8.65	3	Vertical	31	1.26	-
2467MHz	Pass	AV	2.4678G	95.11	Inf	-Inf	3	Horizontal	214	1.41	-
2467MHz	Pass	AV	2.4835G	50.79	54.00	-3.21	3	Horizontal	214	1.41	-
2467MHz	Pass	PK	2.4658G	103.53	Inf	-Inf	3	Horizontal	214	1.41	-
2467MHz	Pass	PK	2.4835G	62.17	74.00	-11.83	3	Horizontal	214	1.41	-
2467MHz	Pass	AV	4.93856G	32.58	54.00	-21.42	3	Vertical	0	1.80	-
2467MHz	Pass	AV	7.3822G	37.64	54.00	-16.36	3	Vertical	165	1.24	-
2467MHz	Pass	PK	4.94648G	44.21	74.00	-29.79	3	Vertical	0	1.80	-
2467MHz	Pass	PK	7.39148G	49.87	74.00	-24.13	3	Vertical	165	1.24	-
2467MHz	Pass	AV	4.94232G	32.52	54.00	-21.48	3	Horizontal	350	1.61	-
2467MHz	Pass	AV	7.38108G	37.65	54.00	-16.35	3	Horizontal	289	2.64	-
2467MHz	Pass	PK	4.94088G	44.00	74.00	-30.00	3	Horizontal	350	1.61	-
2467MHz	Pass	PK	7.3826G	49.31	74.00	-24.69	3	Horizontal	289	2.64	-
2472MHz	Pass	AV	2.4712G	96.66	Inf	-Inf	3	Vertical	30	1.03	-
2472MHz	Pass	AV	2.4842G	53.35	54.00	-0.65	3	Vertical	30	1.03	-
2472MHz	Pass	PK	2.4672G	105.23	Inf	-Inf	3	Vertical	30	1.03	-
2472MHz	Pass	PK	2.4842G	64.02	74.00	-9.98	3	Vertical	30	1.03	-
2472MHz	Pass	AV	2.4728G	92.33	Inf	-Inf	3	Horizontal	214	1.41	-
2472MHz	Pass	AV	2.4844G	50.80	54.00	-3.20	3	Horizontal	214	1.41	-
2472MHz	Pass	PK	2.4708G	100.69	Inf	-Inf	3	Horizontal	214	1.41	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2472MHz	Pass	PK	2.4838G	61.84	74.00	-12.16	3	Horizontal	214	1.41	-
2472MHz	Pass	AV	4.94032G	32.41	54.00	-21.59	3	Vertical	196	2.88	-
2472MHz	Pass	AV	7.42456G	37.44	54.00	-16.56	3	Vertical	36	2.49	-
2472MHz	Pass	PK	4.93256G	43.86	74.00	-30.14	3	Vertical	196	2.88	-
2472MHz	Pass	PK	7.42024G	49.44	74.00	-24.56	3	Vertical	36	2.49	-
2472MHz	Pass	AV	4.96128G	32.43	54.00	-21.57	3	Horizontal	331	2.98	-
2472MHz	Pass	AV	7.41232G	37.38	54.00	-16.62	3	Horizontal	118	1.00	-
2472MHz	Pass	PK	4.93888G	44.10	74.00	-29.90	3	Horizontal	331	2.98	-
2472MHz	Pass	PK	7.39744G	48.85	74.00	-25.15	3	Horizontal	118	1.00	-
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	50.67	54.00	-3.33	3	Vertical	27	1.34	-
2412MHz	Pass	AV	2.4134G	103.26	Inf	-Inf	3	Vertical	27	1.34	-
2412MHz	Pass	PK	2.389G	63.67	74.00	-10.33	3	Vertical	27	1.34	-
2412MHz	Pass	PK	2.4104G	111.43	Inf	-Inf	3	Vertical	27	1.34	-
2412MHz	Pass	AV	2.3898G	48.33	54.00	-5.67	3	Horizontal	214	1.46	-
2412MHz	Pass	AV	2.4134G	98.56	Inf	-Inf	3	Horizontal	214	1.46	-
2412MHz	Pass	PK	2.39G	62.35	74.00	-11.65	3	Horizontal	214	1.46	-
2412MHz	Pass	PK	2.4134G	106.79	Inf	-Inf	3	Horizontal	214	1.46	-
2412MHz	Pass	AV	4.8064G	31.70	54.00	-22.30	3	Vertical	237	2.14	-
2412MHz	Pass	PK	4.83712G	43.45	74.00	-30.55	3	Vertical	237	2.14	-
2412MHz	Pass	AV	4.82744G	31.71	54.00	-22.29	3	Horizontal	70	1.22	-
2412MHz	Pass	AV	7.2536G	38.20	54.00	-15.80	3	Horizontal	225	1.17	-
2412MHz	Pass	PK	4.81408G	43.47	74.00	-30.53	3	Horizontal	70	1.22	-
2417MHz	Pass	AV	2.3892G	53.47	54.00	-0.53	3	Vertical	27	1.35	-
2417MHz	Pass	AV	2.4156G	105.37	Inf	-Inf	3	Vertical	27	1.35	-
2417MHz	Pass	PK	2.3896G	65.31	74.00	-8.69	3	Vertical	27	1.35	-
2417MHz	Pass	PK	2.4158G	113.50	Inf	-Inf	3	Vertical	27	1.35	-
2417MHz	Pass	AV	2.3894G	51.85	54.00	-2.15	3	Horizontal	217	2.42	-
2417MHz	Pass	AV	2.4184G	101.21	Inf	-Inf	3	Horizontal	217	2.42	-
2417MHz	Pass	PK	2.389G	66.42	74.00	-7.58	3	Horizontal	217	2.42	-
2417MHz	Pass	PK	2.4158G	109.32	Inf	-Inf	3	Horizontal	217	2.42	-
2437MHz	Pass	AV	2.3898G	53.36	54.00	-0.64	3	Vertical	28	1.09	-
2437MHz	Pass	AV	2.4358G	107.82	Inf	-Inf	3	Vertical	28	1.09	-
2437MHz	Pass	AV	2.4835G	53.34	54.00	-0.66	3	Vertical	28	1.09	-
2437MHz	Pass	PK	2.3898G	70.16	74.00	-3.84	3	Vertical	28	1.09	-
2437MHz	Pass	PK	2.4358G	116.36	Inf	-Inf	3	Vertical	28	1.09	-
2437MHz	Pass	PK	2.4835G	71.97	74.00	-2.03	3	Vertical	28	1.09	-
2437MHz	Pass	AV	2.3898G	50.98	54.00	-3.02	3	Horizontal	215	1.38	-
2437MHz	Pass	AV	2.4354G	104.06	Inf	-Inf	3	Horizontal	215	1.38	-
2437MHz	Pass	AV	2.4835G	50.97	54.00	-3.03	3	Horizontal	215	1.38	-
2437MHz	Pass	PK	2.3898G	66.78	74.00	-7.22	3	Horizontal	215	1.38	-
2437MHz	Pass	PK	2.4358G	112.52	Inf	-Inf	3	Horizontal	215	1.38	-
2437MHz	Pass	PK	2.4842G	68.48	74.00	-5.52	3	Horizontal	215	1.38	-
2437MHz	Pass	AV	4.8716G	40.16	54.00	-13.84	3	Vertical	43	2.29	-
2437MHz	Pass	AV	7.31092G	41.94	54.00	-12.06	3	Vertical	310	1.23	-
2437MHz	Pass	PK	4.86832G	52.92	74.00	-21.08	3	Vertical	43	2.29	-
2437MHz	Pass	PK	7.31516G	54.26	74.00	-19.74	3	Vertical	310	1.23	-
2437MHz	Pass	AV	4.872G	39.97	54.00	-14.03	3	Horizontal	355	1.50	-
2437MHz	Pass	AV	7.31492G	44.80	54.00	-9.20	3	Horizontal	25	2.89	-
2437MHz	Pass	PK	4.87264G	52.08	74.00	-21.92	3	Horizontal	355	1.50	-
2437MHz	Pass	PK	7.31156G	57.28	74.00	-16.72	3	Horizontal	25	2.89	-
2457MHz	Pass	AV	2.4556G	104.08	Inf	-Inf	3	Vertical	30	1.29	-
2457MHz	Pass	AV	2.4835G	53.21	54.00	-0.79	3	Vertical	30	1.29	-
2457MHz	Pass	PK	2.4558G	112.09	Inf	-Inf	3	Vertical	30	1.29	-
2457MHz	Pass	PK	2.4848G	67.11	74.00	-6.89	3	Vertical	30	1.29	-
2457MHz	Pass	AV	2.4556G	98.74	Inf	-Inf	3	Horizontal	213	1.32	-
2457MHz	Pass	AV	2.4844G	50.27	54.00	-3.73	3	Horizontal	213	1.32	-
2457MHz	Pass	PK	2.454G	107.04	Inf	-Inf	3	Horizontal	213	1.32	-
2457MHz	Pass	PK	2.4844G	64.36	74.00	-9.64	3	Horizontal	213	1.32	-
2462MHz	Pass	AV	2.4606G	102.83	Inf	-Inf	3	Vertical	29	1.16	-
2462MHz	Pass	AV	2.484G	50.97	54.00	-3.03	3	Vertical	29	1.16	-
2462MHz	Pass	PK	2.4628G	110.95	Inf	-Inf	3	Vertical	29	1.16	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4856G	67.21	74.00	-6.79	3	Vertical	29	1.16	-
2462MHz	Pass	AV	2.4604G	98.02	Inf	-Inf	3	Horizontal	218	2.68	-
2462MHz	Pass	AV	2.4838G	48.86	54.00	-5.14	3	Horizontal	218	2.68	-
2462MHz	Pass	PK	2.463G	106.08	Inf	-Inf	3	Horizontal	218	2.68	-
2462MHz	Pass	PK	2.4854G	60.70	74.00	-13.30	3	Horizontal	218	2.68	-
2462MHz	Pass	AV	4.94112G	32.77	54.00	-21.23	3	Vertical	63	2.60	-
2462MHz	Pass	AV	7.36816G	37.67	54.00	-16.33	3	Vertical	270	2.51	-
2462MHz	Pass	PK	4.94016G	44.06	74.00	-29.94	3	Vertical	63	2.60	-
2462MHz	Pass	PK	7.38192G	49.79	74.00	-24.21	3	Vertical	270	2.51	-
2462MHz	Pass	AV	4.92504G	32.41	54.00	-21.59	3	Horizontal	331	2.46	-
2462MHz	Pass	AV	7.37568G	37.81	54.00	-16.19	3	Horizontal	206	2.82	-
2462MHz	Pass	PK	4.90712G	44.56	74.00	-29.44	3	Horizontal	331	2.46	-
2462MHz	Pass	PK	7.38152G	50.34	74.00	-23.66	3	Horizontal	206	2.82	-
2467MHz	Pass	AV	2.4664G	99.16	Inf	-Inf	3	Vertical	34	1.25	-
2467MHz	Pass	AV	2.4835G	53.21	54.00	-0.79	3	Vertical	34	1.25	-
2467MHz	Pass	PK	2.4662G	107.22	Inf	-Inf	3	Vertical	34	1.25	-
2467MHz	Pass	PK	2.4838G	66.77	74.00	-7.23	3	Vertical	34	1.25	-
2467MHz	Pass	AV	2.4656G	94.81	Inf	-Inf	3	Horizontal	218	2.72	-
2467MHz	Pass	AV	2.4835G	50.62	54.00	-3.38	3	Horizontal	218	2.72	-
2467MHz	Pass	PK	2.4638G	103.08	Inf	-Inf	3	Horizontal	218	2.72	-
2467MHz	Pass	PK	2.4836G	62.26	74.00	-11.74	3	Horizontal	218	2.72	-
2467MHz	Pass	AV	4.94272G	32.53	54.00	-21.47	3	Vertical	112	1.82	-
2467MHz	Pass	AV	7.38332G	37.46	54.00	-16.54	3	Vertical	352	1.02	-
2467MHz	Pass	PK	4.93968G	44.51	74.00	-29.49	3	Vertical	112	1.82	-
2467MHz	Pass	PK	7.38764G	49.09	74.00	-24.91	3	Vertical	352	1.02	-
2467MHz	Pass	AV	4.94184G	32.43	54.00	-21.57	3	Horizontal	49	2.85	-
2467MHz	Pass	AV	7.38452G	37.53	54.00	-16.47	3	Horizontal	148	2.06	-
2467MHz	Pass	PK	4.92424G	44.48	74.00	-29.52	3	Horizontal	49	2.85	-
2467MHz	Pass	PK	7.39372G	49.35	74.00	-24.65	3	Horizontal	148	2.06	-
2472MHz	Pass	AV	2.4706G	94.57	Inf	-Inf	3	Vertical	31	1.06	-
2472MHz	Pass	AV	2.4835G	53.34	54.00	-0.66	3	Vertical	31	1.06	-
2472MHz	Pass	PK	2.475G	102.87	Inf	-Inf	3	Vertical	31	1.06	-
2472MHz	Pass	PK	2.4835G	64.20	74.00	-9.80	3	Vertical	31	1.06	-
2472MHz	Pass	AV	2.4732G	90.01	Inf	-Inf	3	Horizontal	214	1.42	-
2472MHz	Pass	AV	2.4835G	50.79	54.00	-3.21	3	Horizontal	214	1.42	-
2472MHz	Pass	PK	2.4732G	98.57	Inf	-Inf	3	Horizontal	214	1.42	-
2472MHz	Pass	PK	2.4835G	61.79	74.00	-12.21	3	Horizontal	214	1.42	-
2472MHz	Pass	AV	4.96272G	32.59	54.00	-21.41	3	Vertical	235	2.15	-
2472MHz	Pass	AV	7.42576G	37.46	54.00	-16.54	3	Vertical	240	1.90	-
2472MHz	Pass	PK	4.9612G	44.09	74.00	-29.91	3	Vertical	235	2.15	-
2472MHz	Pass	PK	7.43232G	48.91	74.00	-25.09	3	Vertical	240	1.90	-
2472MHz	Pass	AV	4.93784G	32.50	54.00	-21.50	3	Horizontal	65	2.55	-
2472MHz	Pass	AV	7.40336G	37.50	54.00	-16.50	3	Horizontal	95	1.00	-
2472MHz	Pass	PK	4.95736G	44.13	74.00	-29.87	3	Horizontal	65	2.55	-
2472MHz	Pass	PK	7.43328G	50.06	74.00	-23.94	3	Horizontal	95	1.00	-

802.11b_Nss1,(1Mbps)_1TX

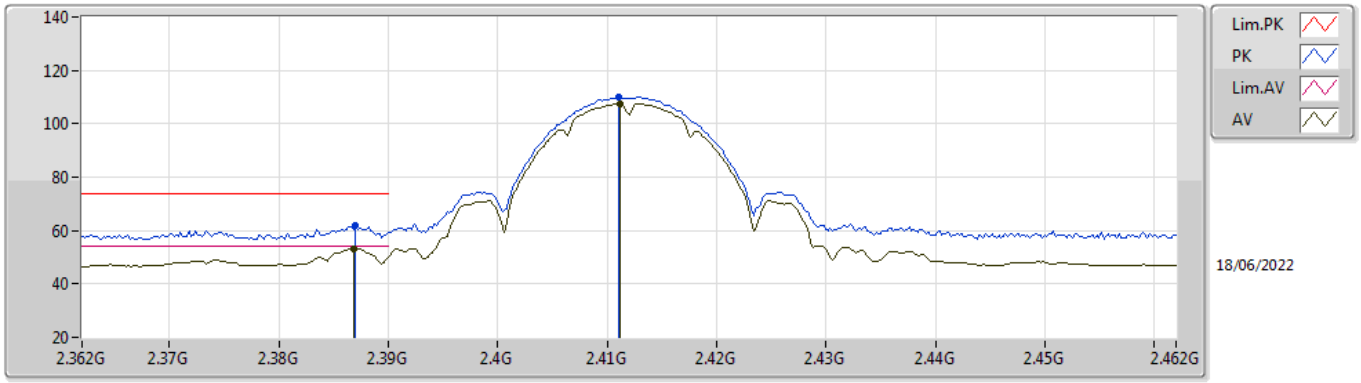
2412MHz_TX



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	2.3832G	53.08	54.00	-0.92	31.73	3	Vertical	29	1.34	-	21.35	27.37	4.36	-
AV	2.4128G	112.36	Inf	-Inf	31.85	3	Vertical	29	1.34	-	80.51	27.45	4.40	-
PK	2.3862G	61.77	74.00	-12.23	31.74	3	Vertical	29	1.34	-	30.03	27.37	4.37	-
PK	2.4128G	114.78	Inf	-Inf	31.85	3	Vertical	29	1.34	-	82.93	27.45	4.40	-

802.11b_Nss1,(1Mbps)_1TX

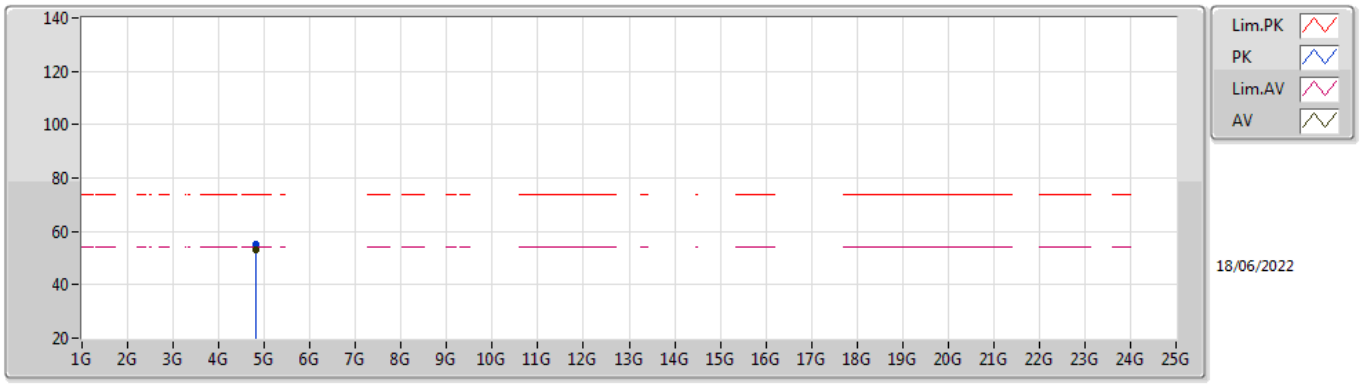
2412MHz_TX



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	2.3868G	53.22	54.00	-0.78	31.74	3	Horizontal	179	1.98	-	21.48	27.37	4.37	-
AV	2.4112G	107.55	Inf	-Inf	31.84	3	Horizontal	179	1.98	-	75.71	27.44	4.40	-
PK	2.387G	61.86	74.00	-12.14	31.74	3	Horizontal	179	1.98	-	30.12	27.37	4.37	-
PK	2.411G	109.96	Inf	-Inf	31.84	3	Horizontal	179	1.98	-	78.12	27.44	4.40	-

802.11b_Nss1,(1Mbps)_1TX

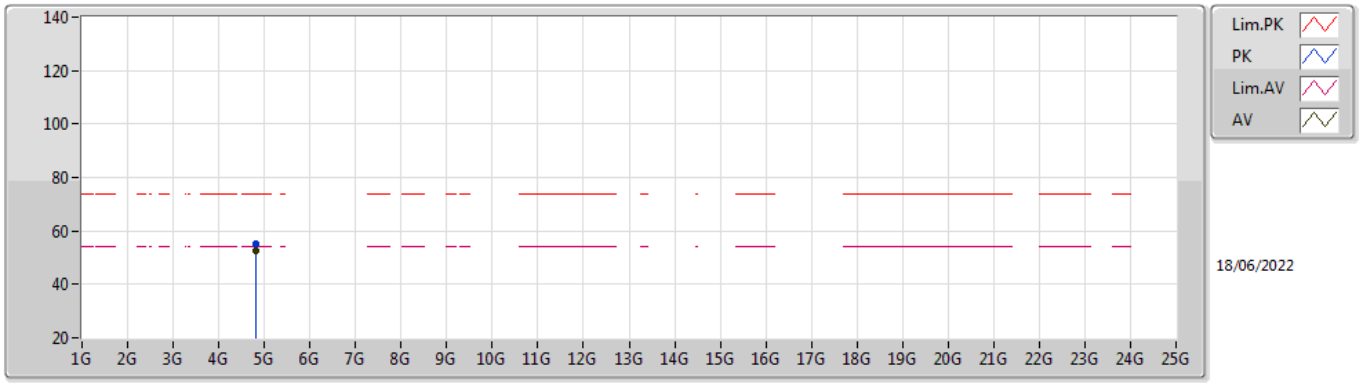
2412MHz_TX



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	4.82398G	52.93	54.00	-1.07	4.42	3	Vertical	42	2.27	-	48.51	32.60	6.27	34.45
PK	4.82396G	55.23	74.00	-18.77	4.42	3	Vertical	42	2.27	-	50.81	32.60	6.27	34.45

802.11b_Nss1,(1Mbps)_1TX

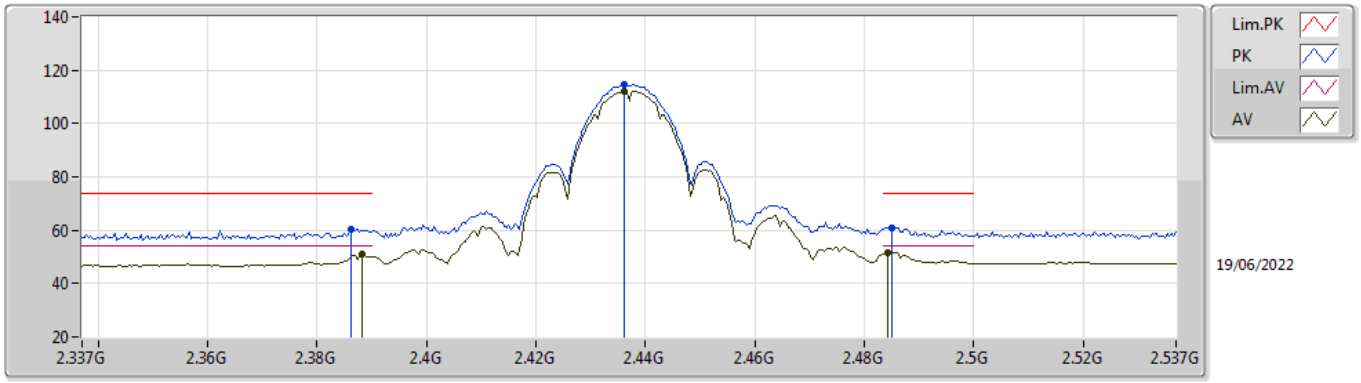
2412MHz_TX



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	4.82398G	52.82	54.00	-1.18	4.42	3	Horizontal	354	1.91	-	48.40	32.60	6.27	34.45
PK	4.82404G	55.05	74.00	-18.95	4.42	3	Horizontal	354	1.91	-	50.63	32.60	6.27	34.45

802.11b_Nss1,(1Mbps)_1TX

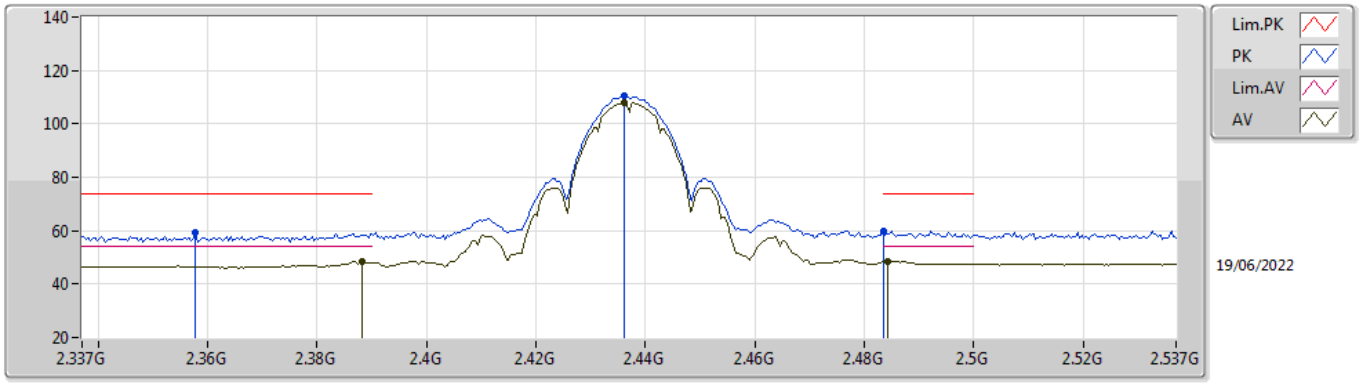
2437MHz_TX



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	2.3882G	50.97	54.00	-3.03	31.75	3	Vertical	31	1.27	-	19.22	27.38	4.37	-
AV	2.4362G	112.16	Inf	-Inf	31.97	3	Vertical	31	1.27	-	80.19	27.54	4.43	-
AV	2.4842G	51.47	54.00	-2.53	32.31	3	Vertical	31	1.27	-	19.16	27.81	4.50	-
PK	2.3862G	60.35	74.00	-13.65	31.74	3	Vertical	31	1.27	-	28.61	27.37	4.37	-
PK	2.4362G	114.58	Inf	-Inf	31.97	3	Vertical	31	1.27	-	82.61	27.54	4.43	-
PK	2.485G	60.98	74.00	-13.02	32.31	3	Vertical	31	1.27	-	28.67	27.81	4.50	-

802.11b_Nss1,(1Mbps)_1TX

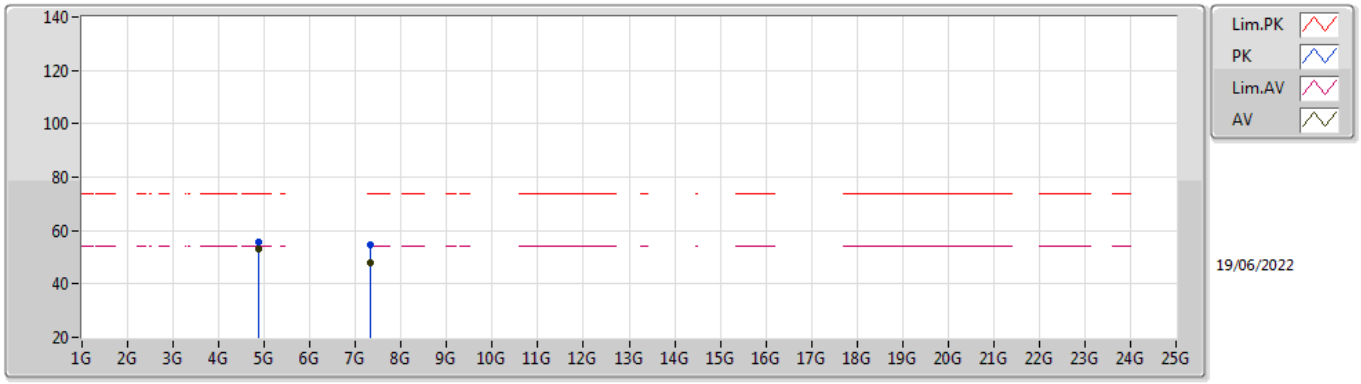
2437MHz_TX



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	2.3882G	48.52	54.00	-5.48	31.75	3	Horizontal	177	1.66	-	16.77	27.38	4.37	-
AV	2.4362G	107.85	Inf	-Inf	31.97	3	Horizontal	177	1.66	-	75.88	27.54	4.43	-
AV	2.4842G	48.65	54.00	-5.35	32.31	3	Horizontal	177	1.66	-	16.34	27.81	4.50	-
PK	2.3578G	59.52	74.00	-14.48	31.66	3	Horizontal	177	1.66	-	27.86	27.32	4.34	-
PK	2.4362G	110.28	Inf	-Inf	31.97	3	Horizontal	177	1.66	-	78.31	27.54	4.43	-
PK	2.4835G	60.07	74.00	-13.93	32.30	3	Horizontal	177	1.66	-	27.77	27.80	4.50	-

802.11b_Nss1,(1Mbps)_1TX

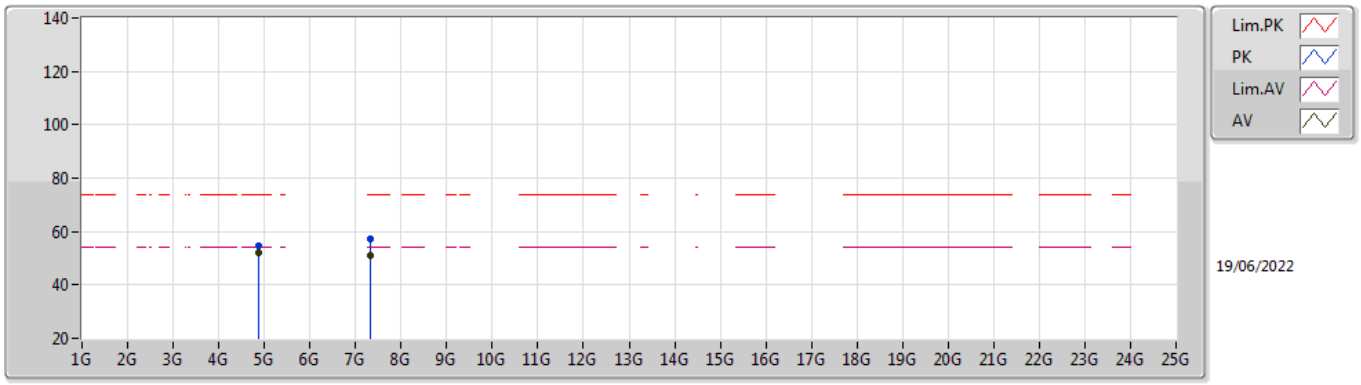
2437MHz_TX



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	4.87396G	53.30	54.00	-0.70	4.61	3	Vertical	44	2.10	-	48.69	32.75	6.30	34.44
AV	7.31174G	47.69	54.00	-6.31	10.08	3	Vertical	311	1.25	-	37.61	36.75	8.14	34.81
PK	4.874G	55.72	74.00	-18.28	4.61	3	Vertical	44	2.10	-	51.11	32.75	6.30	34.44
PK	7.31172G	54.91	74.00	-19.09	10.08	3	Vertical	311	1.25	-	44.83	36.75	8.14	34.81

802.11b_Nss1,(1Mbps)_1TX

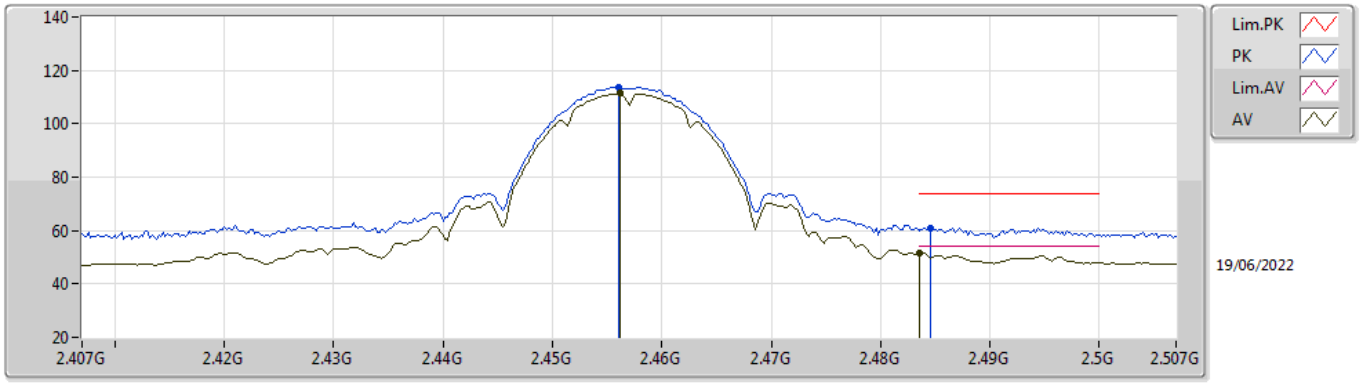
2437MHz_TX



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	4.87398G	52.20	54.00	-1.80	4.61	3	Horizontal	354	1.50	-	47.59	32.75	6.30	34.44
AV	7.3117G	51.14	54.00	-2.86	10.08	3	Horizontal	22	2.74	-	41.06	36.75	8.14	34.81
PK	4.87394G	54.63	74.00	-19.37	4.61	3	Horizontal	354	1.50	-	50.02	32.75	6.30	34.44
PK	7.31186G	56.99	74.00	-17.01	10.08	3	Horizontal	22	2.74	-	46.91	36.75	8.14	34.81

802.11b_Nss1,(1Mbps)_1TX

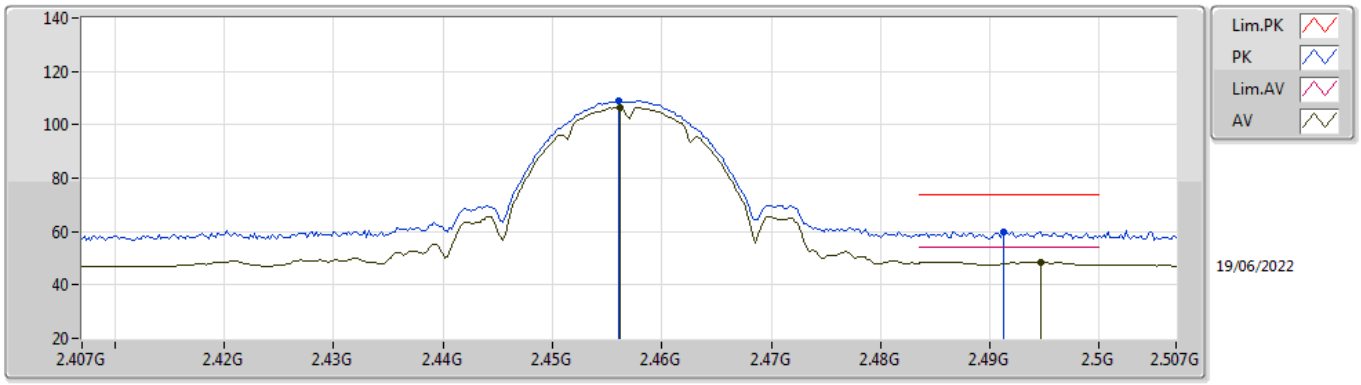
2457MHz_TX



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	111.39	Inf	-Inf	32.10	3	Vertical	30	1.28	-	79.29	27.64	4.46	-
AV	2.4836G	51.30	54.00	-2.70	32.30	3	Vertical	30	1.28	-	19.00	27.80	4.50	-
PK	2.456G	113.80	Inf	-Inf	32.10	3	Vertical	30	1.28	-	81.70	27.64	4.46	-
PK	2.4846G	60.87	74.00	-13.13	32.31	3	Vertical	30	1.28	-	28.56	27.81	4.50	-

802.11b_Nss1,(1Mbps)_1TX

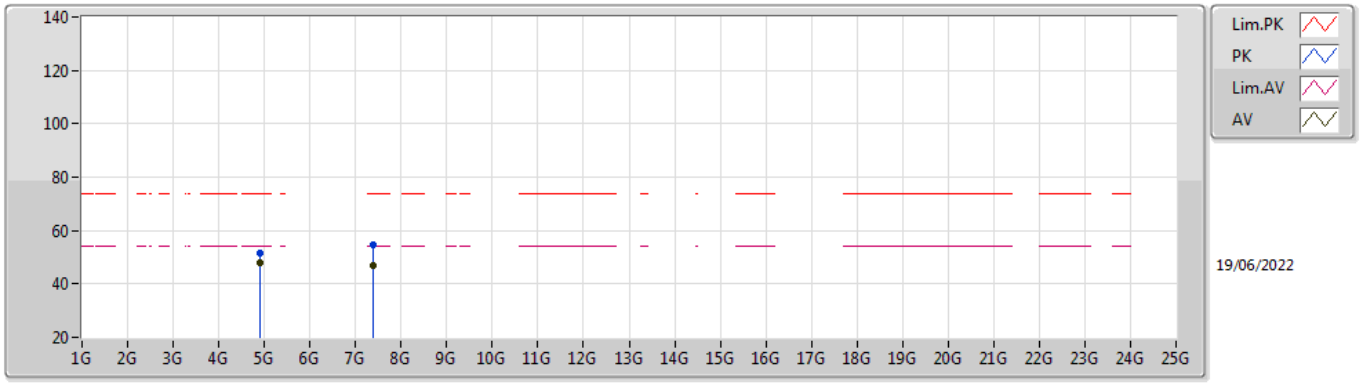
2457MHz_TX



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	106.57	Inf	-Inf	32.10	3	Horizontal	215	1.30	-	74.47	27.64	4.46	-
AV	2.4946G	48.70	54.00	-5.30	32.39	3	Horizontal	215	1.30	-	16.31	27.87	4.52	-
PK	2.456G	108.99	Inf	-Inf	32.10	3	Horizontal	215	1.30	-	76.89	27.64	4.46	-
PK	2.4912G	60.05	74.00	-13.95	32.36	3	Horizontal	215	1.30	-	27.69	27.85	4.51	-

802.11b_Nss1,(1Mbps)_1TX

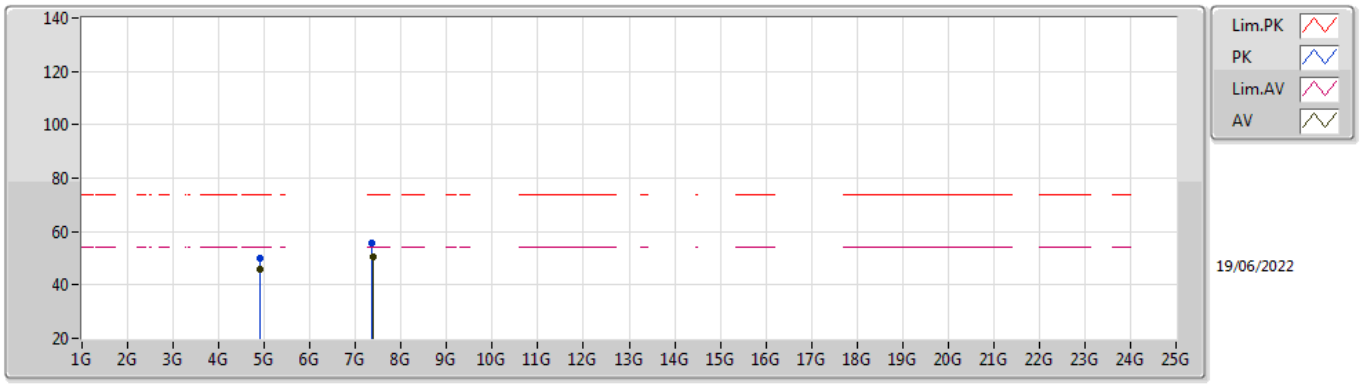
2457MHz_TX



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	4.914G	47.75	54.00	-6.25	4.77	3	Vertical	44	1.90	-	42.98	32.88	6.33	34.44
AV	7.37184G	46.72	54.00	-7.28	10.06	3	Vertical	320	1.76	-	36.66	36.77	8.12	34.83
PK	4.91388G	51.81	74.00	-22.19	4.77	3	Vertical	44	1.90	-	47.04	32.88	6.33	34.44
PK	7.37178G	54.63	74.00	-19.37	10.06	3	Vertical	320	1.76	-	44.57	36.77	8.12	34.83

802.11b_Nss1,(1Mbps)_1TX

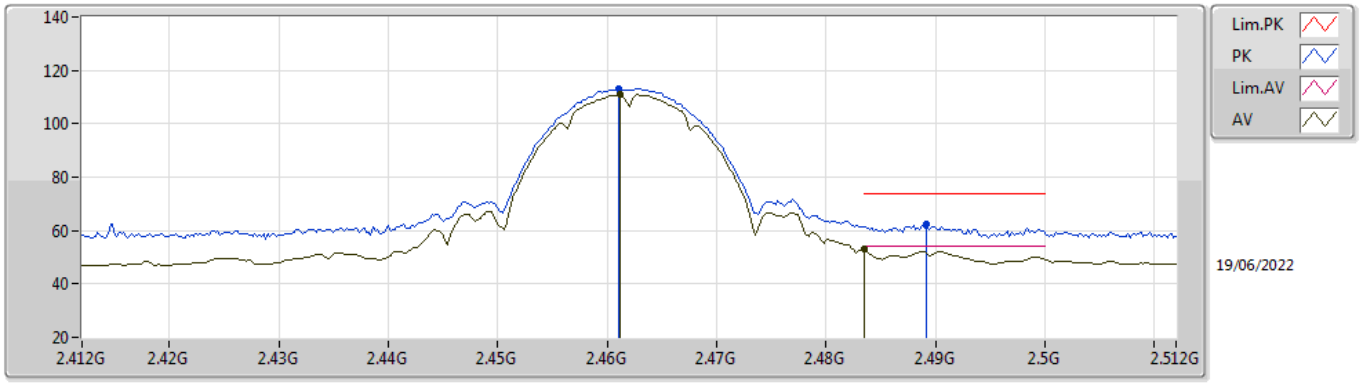
2457MHz_TX



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	4.914G	45.97	54.00	-8.03	4.77	3	Horizontal	360	1.50	-	41.20	32.88	6.33	34.44
AV	7.37178G	50.38	54.00	-3.62	10.06	3	Horizontal	22	2.64	-	40.32	36.77	8.12	34.83
PK	4.91376G	50.20	74.00	-23.80	4.77	3	Horizontal	360	1.50	-	45.43	32.88	6.33	34.44
PK	7.3707G	55.78	74.00	-18.22	10.07	3	Horizontal	22	2.64	-	45.71	36.78	8.12	34.83

802.11b_Nss1,(1Mbps)_1TX

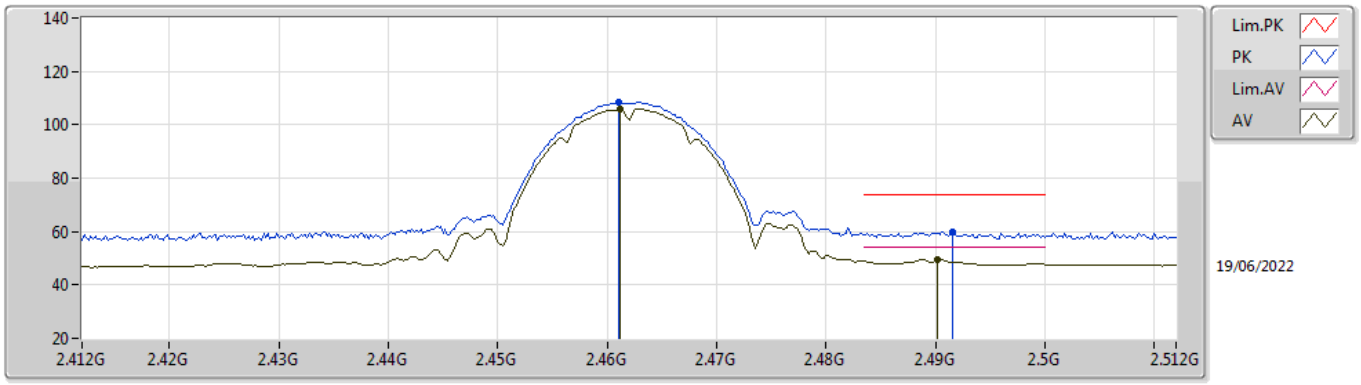
2462MHz_TX



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	110.88	Inf	-Inf	32.14	3	Vertical	32	1.17	-	78.74	27.67	4.47	-
AV	2.4835G	52.94	54.00	-1.06	32.30	3	Vertical	32	1.17	-	20.64	27.80	4.50	-
PK	2.461G	113.24	Inf	-Inf	32.14	3	Vertical	32	1.17	-	81.10	27.67	4.47	-
PK	2.4892G	62.25	74.00	-11.75	32.35	3	Vertical	32	1.17	-	29.90	27.84	4.51	-

802.11b_Nss1,(1Mbps)_1TX

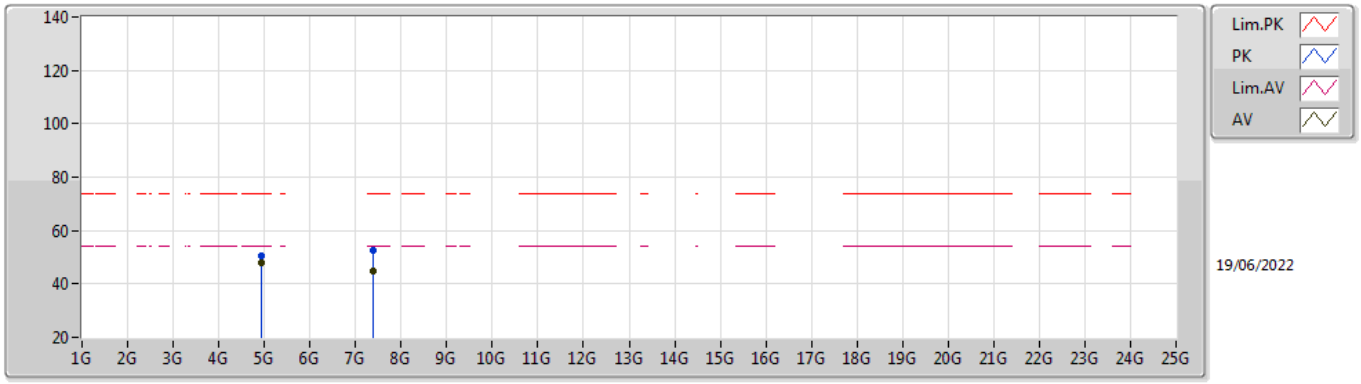
2462MHz_TX



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	105.93	Inf	-Inf	32.14	3	Horizontal	215	1.59	-	73.79	27.67	4.47	-
AV	2.4902G	49.31	54.00	-4.69	32.35	3	Horizontal	215	1.59	-	16.96	27.84	4.51	-
PK	2.461G	108.35	Inf	-Inf	32.14	3	Horizontal	215	1.59	-	76.21	27.67	4.47	-
PK	2.4916G	59.92	74.00	-14.08	32.36	3	Horizontal	215	1.59	-	27.56	27.85	4.51	-

802.11b_Nss1,(1Mbps)_1TX

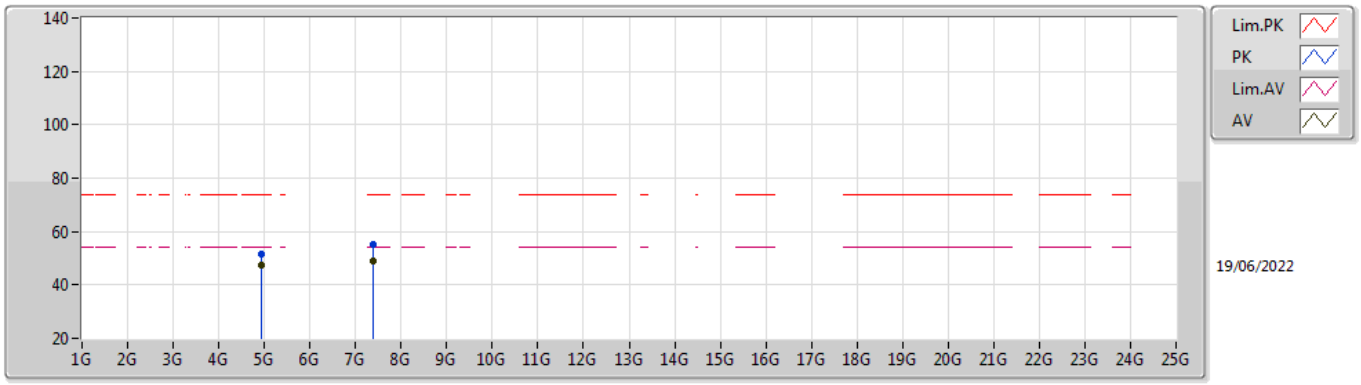
2462MHz_TX



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	4.92396G	47.68	54.00	-6.32	4.83	3	Vertical	0	2.98	-	42.85	32.94	6.33	34.44
AV	7.38514G	44.64	54.00	-9.36	9.98	3	Vertical	322	1.74	-	34.66	36.69	8.12	34.83
PK	4.92404G	50.65	74.00	-23.35	4.83	3	Vertical	0	2.81	-	45.82	32.94	6.33	34.44
PK	7.38372G	52.84	74.00	-21.16	9.99	3	Vertical	322	1.74	-	42.85	36.70	8.12	34.83

802.11b_Nss1,(1Mbps)_1TX

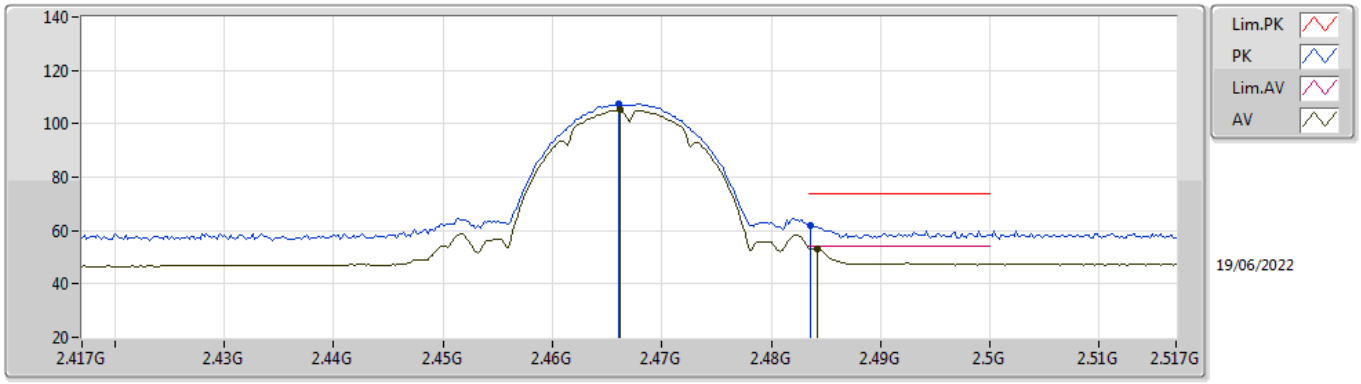
2462MHz_TX



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	4.92398G	47.59	54.00	-6.41	4.83	3	Horizontal	355	3.00	-	42.76	32.94	6.33	34.44
AV	7.38512G	48.85	54.00	-5.15	9.98	3	Horizontal	21	2.49	-	38.87	36.69	8.12	34.83
PK	4.9239G	51.36	74.00	-22.64	4.83	3	Horizontal	355	3.00	-	46.53	32.94	6.33	34.44
PK	7.38684G	55.23	74.00	-18.77	9.96	3	Horizontal	21	2.49	-	45.27	36.68	8.11	34.83

802.11b_Nss1,(1Mbps)_1TX

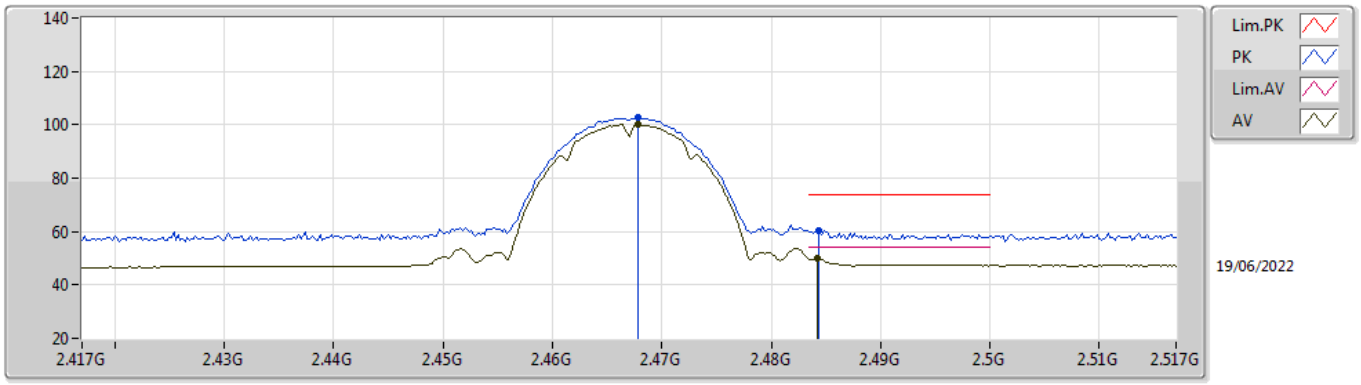
2467MHz_TX



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	2.4662G	105.10	Inf	-Inf	32.18	3	Vertical	33	1.25	-	72.92	27.70	4.48	-
AV	2.4842G	53.35	54.00	-0.65	32.31	3	Vertical	33	1.25	-	21.04	27.81	4.50	-
PK	2.466G	107.49	Inf	-Inf	32.18	3	Vertical	33	1.25	-	75.31	27.70	4.48	-
PK	2.4836G	61.88	74.00	-12.12	32.30	3	Vertical	33	1.25	-	29.58	27.80	4.50	-

802.11b_Nss1,(1Mbps)_1TX

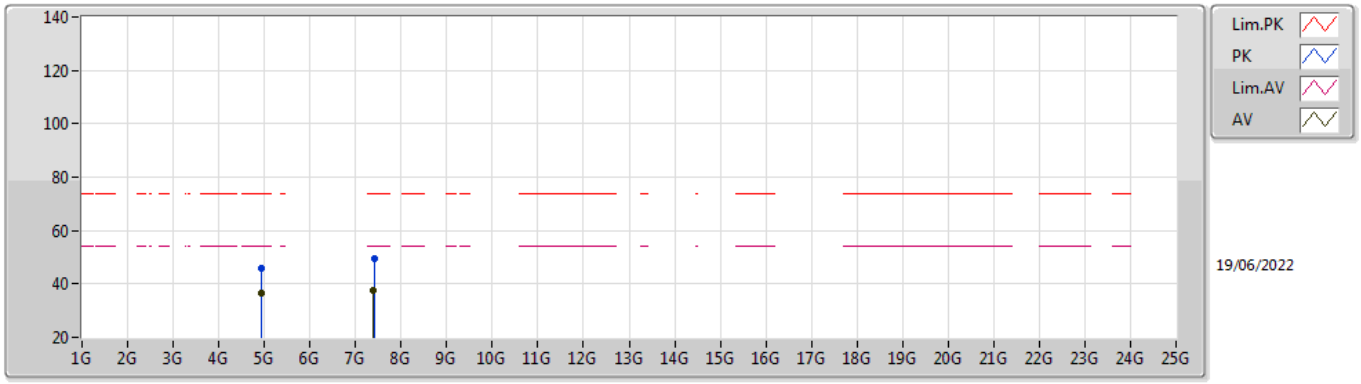
2467MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4678G	100.13	Inf	-Inf	32.19	3	Horizontal	215	1.18	-	67.94	27.71	4.48	-
AV	2.4842G	50.08	54.00	-3.92	32.31	3	Horizontal	215	1.18	-	17.77	27.81	4.50	-
PK	2.4678G	102.54	Inf	-Inf	32.19	3	Horizontal	215	1.18	-	70.35	27.71	4.48	-
PK	2.4844G	60.48	74.00	-13.52	32.31	3	Horizontal	215	1.18	-	28.17	27.81	4.50	-

802.11b_Nss1,(1Mbps)_1TX

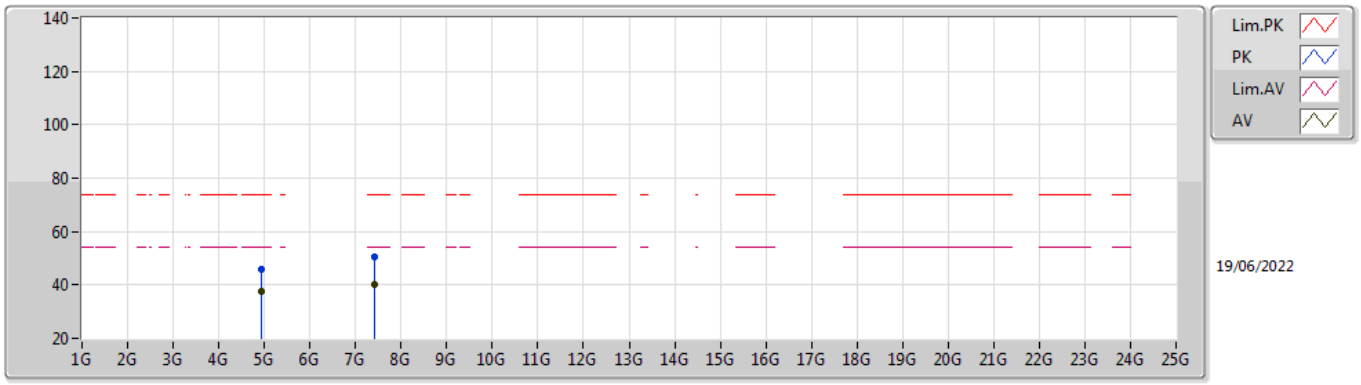
2467MHz_TX



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	4.93396G	36.63	54.00	-17.37	4.90	3	Vertical	0	2.96	-	31.73	33.00	6.34	34.44
AV	7.40018G	37.77	54.00	-16.23	9.87	3	Vertical	321	1.50	-	27.90	36.60	8.11	34.84
PK	4.934G	45.98	74.00	-28.02	4.90	3	Vertical	0	2.96	-	41.08	33.00	6.34	34.44
PK	7.40358G	49.42	74.00	-24.58	9.88	3	Vertical	321	1.50	-	39.54	36.60	8.12	34.84

802.11b_Nss1,(1Mbps)_1TX

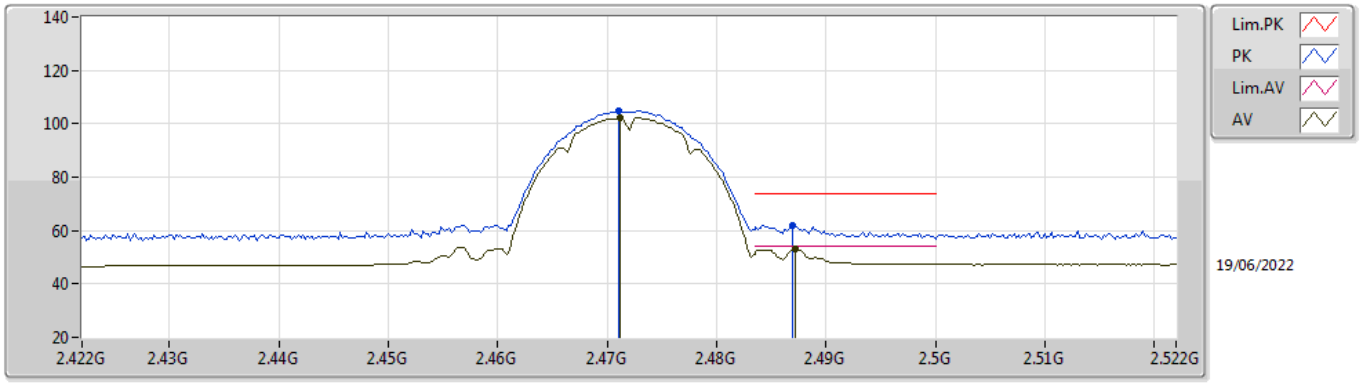
2467MHz_TX



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	4.93394G	37.80	54.00	-16.20	4.90	3	Horizontal	9	2.00	-	32.90	33.00	6.34	34.44
AV	7.40178G	40.00	54.00	-14.00	9.87	3	Horizontal	23	2.62	-	30.13	36.60	8.11	34.84
PK	4.93354G	45.82	74.00	-28.18	4.90	3	Horizontal	9	2.00	-	40.92	33.00	6.34	34.44
PK	7.40178G	50.66	74.00	-23.34	9.87	3	Horizontal	23	2.62	-	40.79	36.60	8.11	34.84

802.11b_Nss1,(1Mbps)_1TX

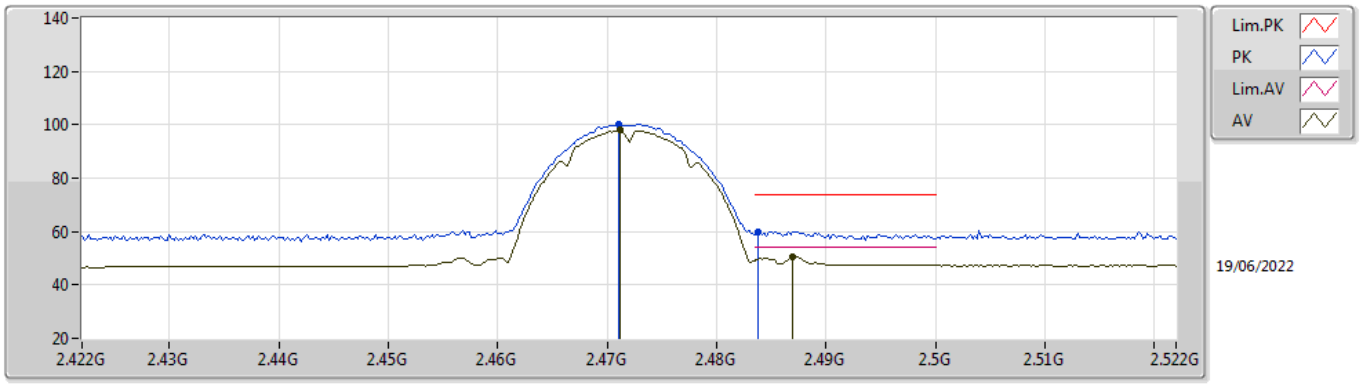
2472MHz_TX



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	2.4712G	102.26	Inf	-Inf	32.21	3	Vertical	32	1.14	-	70.05	27.73	4.48	-
AV	2.4872G	53.36	54.00	-0.64	32.33	3	Vertical	32	1.14	-	21.03	27.82	4.51	-
PK	2.471G	104.67	Inf	-Inf	32.21	3	Vertical	32	1.14	-	72.46	27.73	4.48	-
PK	2.487G	62.00	74.00	-12.00	32.33	3	Vertical	32	1.14	-	29.67	27.82	4.51	-

802.11b_Nss1,(1Mbps)_1TX

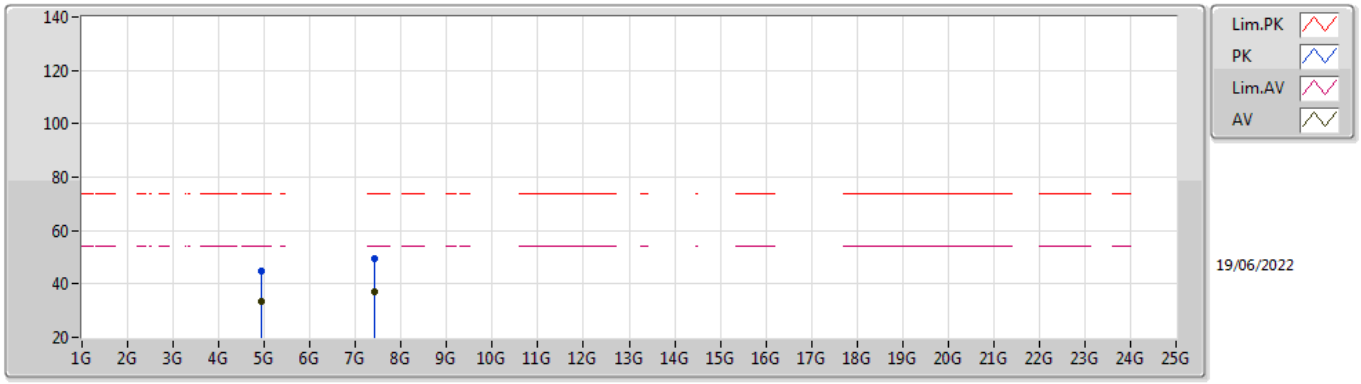
2472MHz_TX



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	2.4712G	97.86	Inf	-Inf	32.21	3	Horizontal	216	1.19	-	65.65	27.73	4.48	-
AV	2.487G	50.28	54.00	-3.72	32.33	3	Horizontal	216	1.19	-	17.95	27.82	4.51	-
PK	2.471G	100.27	Inf	-Inf	32.21	3	Horizontal	216	1.19	-	68.06	27.73	4.48	-
PK	2.4838G	60.07	74.00	-13.93	32.30	3	Horizontal	216	1.19	-	27.77	27.80	4.50	-

802.11b_Nss1,(1Mbps)_1TX

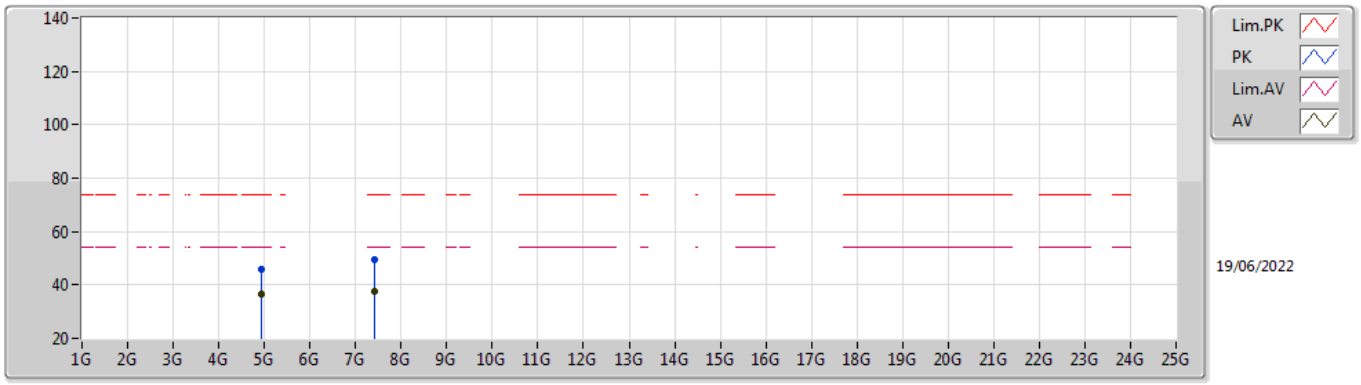
2472MHz_TX



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	4.94388G	33.60	54.00	-20.40	4.97	3	Vertical	0	2.98	-	28.63	33.06	6.35	34.44
AV	7.41732G	36.94	54.00	-17.06	9.89	3	Vertical	322	1.50	-	27.05	36.60	8.13	34.84
PK	4.94076G	44.68	74.00	-29.32	4.94	3	Vertical	0	2.98	-	39.74	33.04	6.34	34.44
PK	7.41122G	49.61	74.00	-24.39	9.89	3	Vertical	322	1.50	-	39.72	36.60	8.13	34.84

802.11b_Nss1,(1Mbps)_1TX

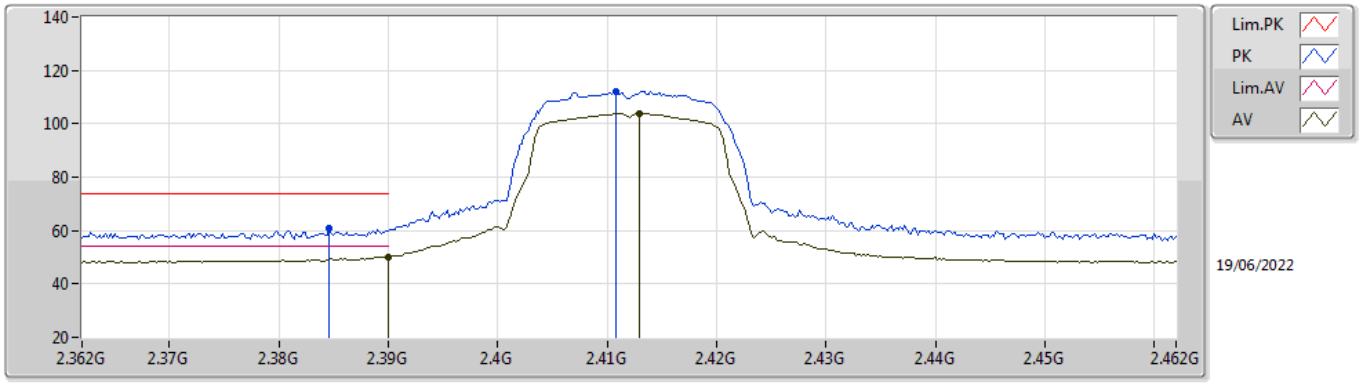
2472MHz_TX



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	4.94398G	36.31	54.00	-17.69	4.97	3	Horizontal	356	2.35	-	31.34	33.06	6.35	34.44
AV	7.41684G	37.75	54.00	-16.25	9.89	3	Horizontal	22	2.96	-	27.86	36.60	8.13	34.84
PK	4.944G	45.68	74.00	-28.32	4.97	3	Horizontal	356	2.35	-	40.71	33.06	6.35	34.44
PK	7.41714G	49.70	74.00	-24.30	9.89	3	Horizontal	22	2.96	-	39.81	36.60	8.13	34.84

802.11g_Nss1,(6Mbps)_1TX

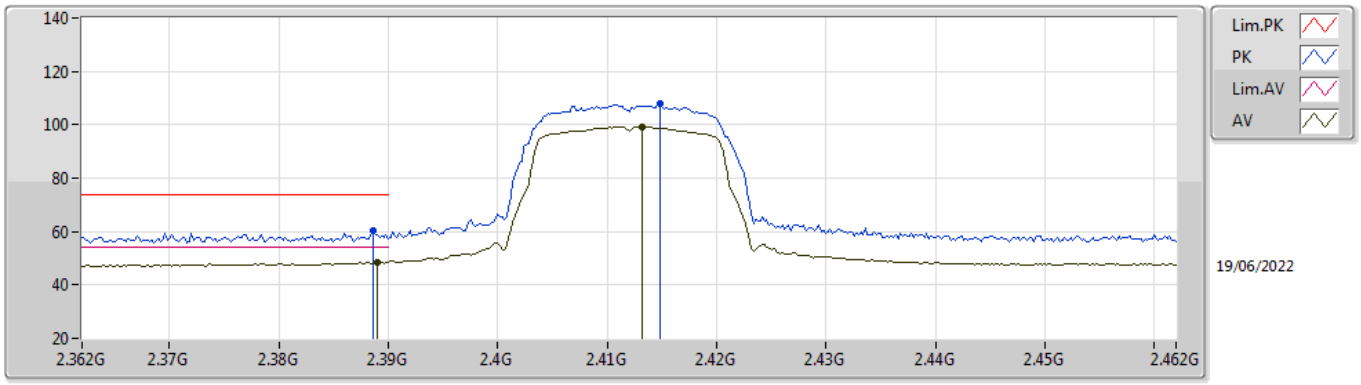
2412MHz_TX



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	50.02	54.00	-3.98	31.75	3	Vertical	28	1.35	-	18.27	27.38	4.37	-
AV	2.413G	103.88	Inf	-Inf	31.85	3	Vertical	28	1.35	-	72.03	27.45	4.40	-
PK	2.3846G	60.63	74.00	-13.37	31.73	3	Vertical	28	1.35	-	28.90	27.37	4.36	-
PK	2.4108G	112.09	Inf	-Inf	31.84	3	Vertical	28	1.35	-	80.25	27.44	4.40	-

802.11g_Nss1,(6Mbps)_1TX

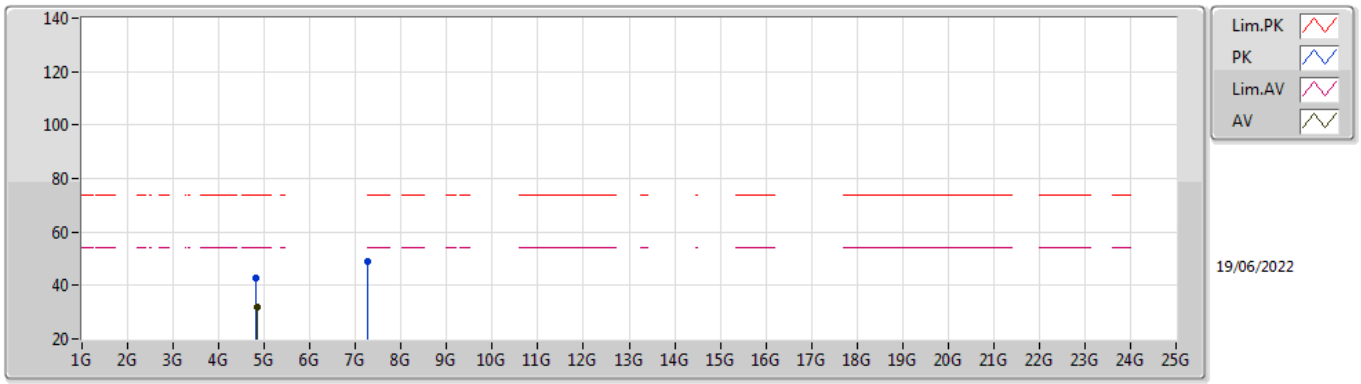
2412MHz_TX



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	2.389G	48.53	54.00	-5.47	31.75	3	Horizontal	214	1.46	-	16.78	27.38	4.37	-
AV	2.4132G	99.39	Inf	-Inf	31.85	3	Horizontal	214	1.46	-	67.54	27.45	4.40	-
PK	2.3886G	60.43	74.00	-13.57	31.75	3	Horizontal	214	1.46	-	28.68	27.38	4.37	-
PK	2.4148G	107.82	Inf	-Inf	31.86	3	Horizontal	214	1.46	-	75.96	27.46	4.40	-

802.11g_Nss1,(6Mbps)_1TX

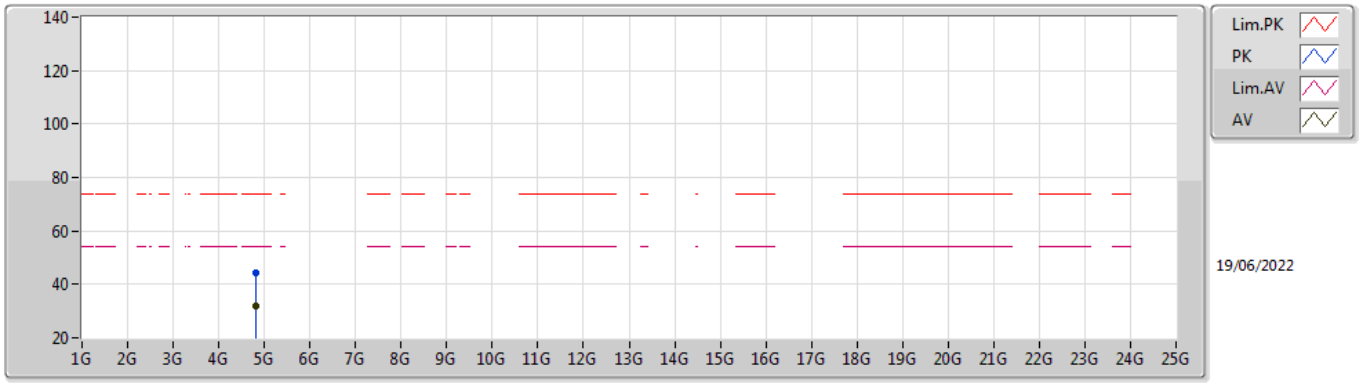
2412MHz_TX



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	4.8432G	31.77	54.00	-22.23	4.51	3	Vertical	296	1.63	-	27.26	32.67	6.29	34.45
PK	4.82248G	42.91	74.00	-31.09	4.41	3	Vertical	296	1.63	-	38.50	32.59	6.27	34.45
PK	7.25464G	49.11	74.00	-24.89	10.25	3	Vertical	167	1.45	-	38.86	36.88	8.16	34.79

802.11g_Nss1,(6Mbps)_1TX

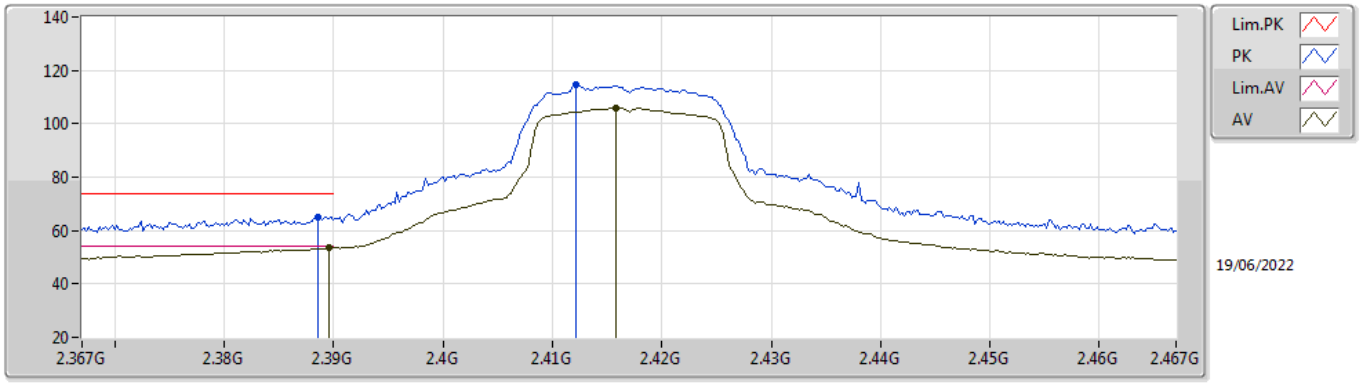
2412MHz_TX



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	4.82376G	31.70	54.00	-22.30	4.42	3	Horizontal	110	2.41	-	27.28	32.60	6.27	34.45
PK	4.80824G	44.54	74.00	-29.46	4.34	3	Horizontal	110	2.41	-	40.20	32.53	6.26	34.45

802.11g_Nss1,(6Mbps)_1TX

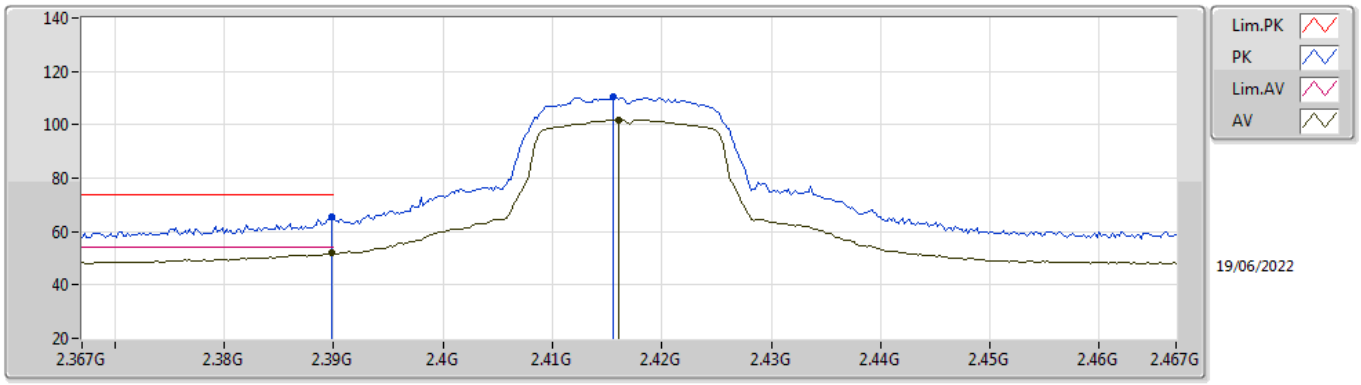
2417MHz_TX



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	2.3896G	53.48	54.00	-0.52	31.75	3	Vertical	29	1.34	-	21.73	27.38	4.37	-
AV	2.4158G	105.95	Inf	-Inf	31.86	3	Vertical	29	1.34	-	74.09	27.46	4.40	-
PK	2.3886G	65.13	74.00	-8.87	31.75	3	Vertical	29	1.34	-	33.38	27.38	4.37	-
PK	2.4122G	114.41	Inf	-Inf	31.85	3	Vertical	29	1.34	-	82.56	27.45	4.40	-

802.11g_Nss1,(6Mbps)_1TX

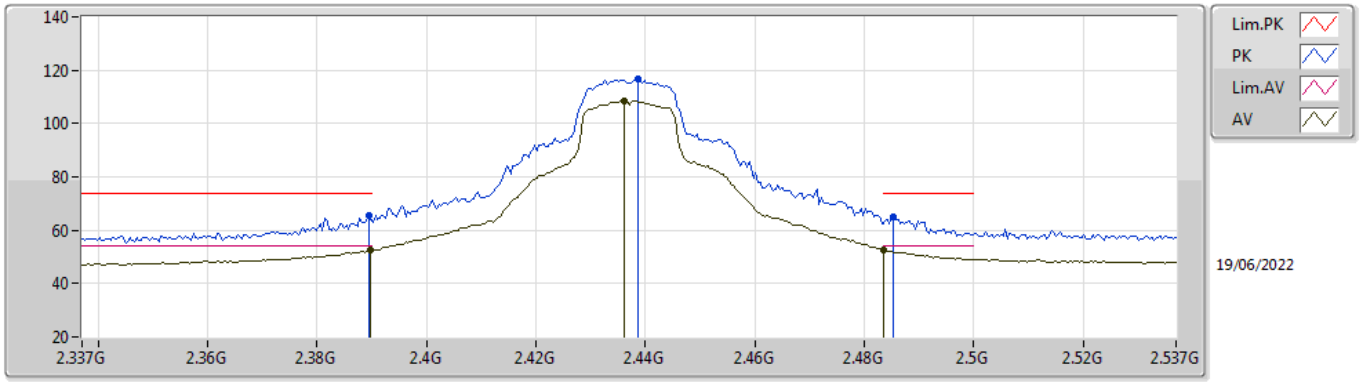
2417MHz_TX



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	51.99	54.00	-2.01	31.75	3	Horizontal	216	2.44	-	20.24	27.38	4.37	-
AV	2.416G	101.96	Inf	-Inf	31.86	3	Horizontal	216	2.44	-	70.10	27.46	4.40	-
PK	2.3898G	65.28	74.00	-8.72	31.75	3	Horizontal	216	2.44	-	33.53	27.38	4.37	-
PK	2.4156G	110.29	Inf	-Inf	31.86	3	Horizontal	216	2.44	-	78.43	27.46	4.40	-

802.11g_Nss1,(6Mbps)_1TX

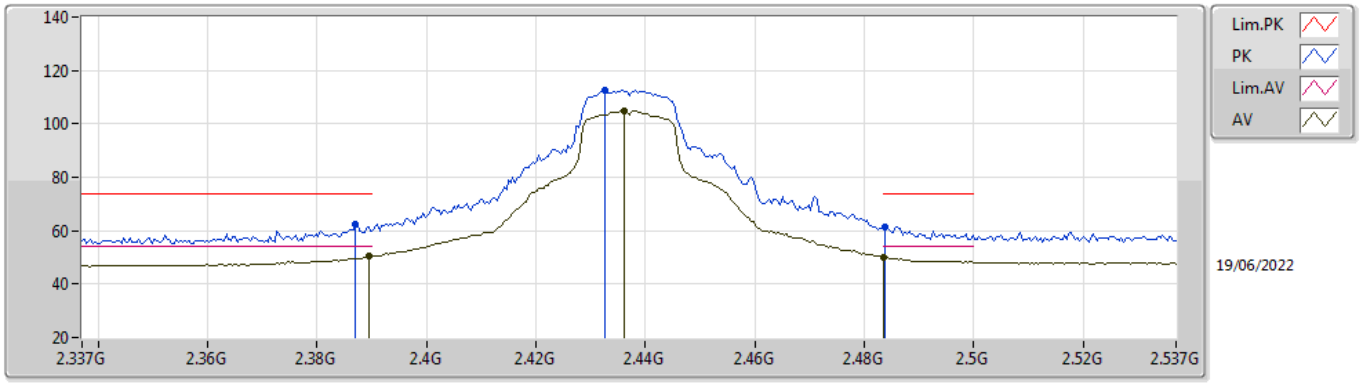
2437MHz_TX



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	52.38	54.00	-1.62	31.75	3	Vertical	32	1.44	-	20.63	27.38	4.37	-
AV	2.4362G	108.50	Inf	-Inf	31.97	3	Vertical	32	1.44	-	76.53	27.54	4.43	-
AV	2.4835G	52.66	54.00	-1.34	32.30	3	Vertical	32	1.44	-	20.36	27.80	4.50	-
PK	2.3894G	65.28	74.00	-8.72	31.75	3	Vertical	32	1.44	-	33.53	27.38	4.37	-
PK	2.4386G	116.50	Inf	-Inf	31.99	3	Vertical	32	1.44	-	84.51	27.55	4.44	-
PK	2.4854G	65.09	74.00	-8.91	32.31	3	Vertical	32	1.44	-	32.78	27.81	4.50	-

802.11g_Nss1,(6Mbps)_1TX

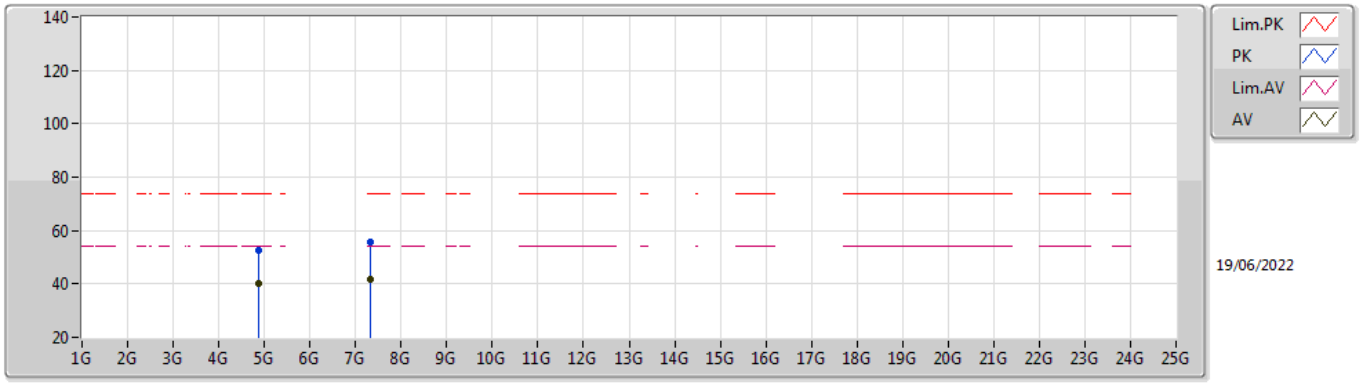
2437MHz_TX



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	2.3894G	50.35	54.00	-3.65	31.75	3	Horizontal	214	1.41	-	18.60	27.38	4.37	-
AV	2.4362G	104.83	Inf	-Inf	31.97	3	Horizontal	214	1.41	-	72.86	27.54	4.43	-
AV	2.4835G	50.07	54.00	-3.93	32.30	3	Horizontal	214	1.41	-	17.77	27.80	4.50	-
PK	2.387G	62.41	74.00	-11.59	31.74	3	Horizontal	214	1.41	-	30.67	27.37	4.37	-
PK	2.4326G	112.82	Inf	-Inf	31.96	3	Horizontal	214	1.41	-	80.86	27.53	4.43	-
PK	2.4838G	61.59	74.00	-12.41	32.30	3	Horizontal	214	1.41	-	29.29	27.80	4.50	-

802.11g_Nss1,(6Mbps)_1TX

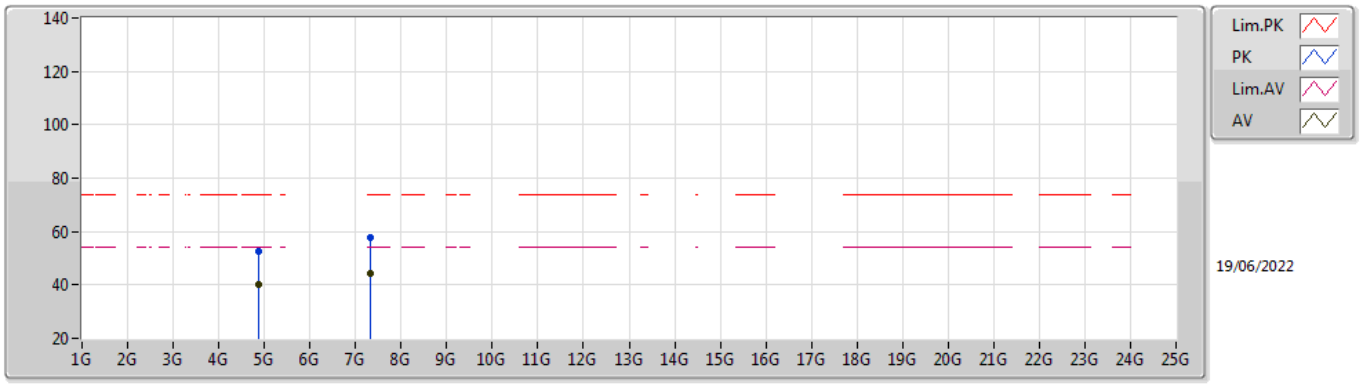
2437MHz_TX



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	4.87192G	40.30	54.00	-13.70	4.60	3	Vertical	45	2.30	-	35.70	32.74	6.30	34.44
AV	7.31394G	41.76	54.00	-12.24	10.09	3	Vertical	310	1.62	-	31.67	36.76	8.14	34.81
PK	4.87244G	52.65	74.00	-21.35	4.60	3	Vertical	45	2.30	-	48.05	32.74	6.30	34.44
PK	7.31496G	55.65	74.00	-18.35	10.09	3	Vertical	310	1.46	-	45.56	36.76	8.14	34.81

802.11g_Nss1,(6Mbps)_1TX

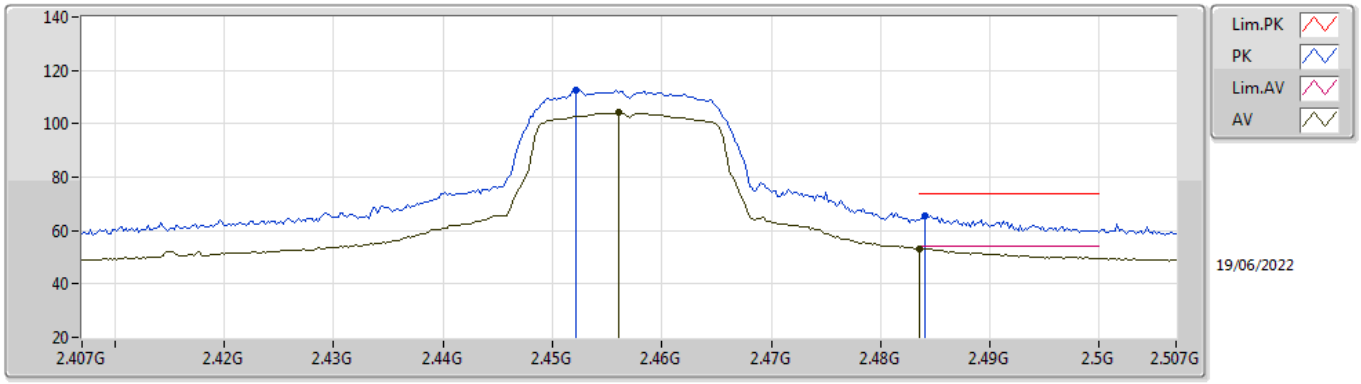
2437MHz_TX



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	4.876G	40.43	54.00	-13.57	4.62	3	Horizontal	43	2.10	-	35.81	32.75	6.31	34.44
AV	7.31422G	44.50	54.00	-9.50	10.09	3	Horizontal	20	2.46	-	34.41	36.76	8.14	34.81
PK	4.87038G	52.75	74.00	-21.25	4.60	3	Horizontal	43	2.10	-	48.15	32.74	6.30	34.44
PK	7.31486G	57.66	74.00	-16.34	10.09	3	Horizontal	20	2.46	-	47.57	36.76	8.14	34.81

802.11g_Nss1,(6Mbps)_1TX

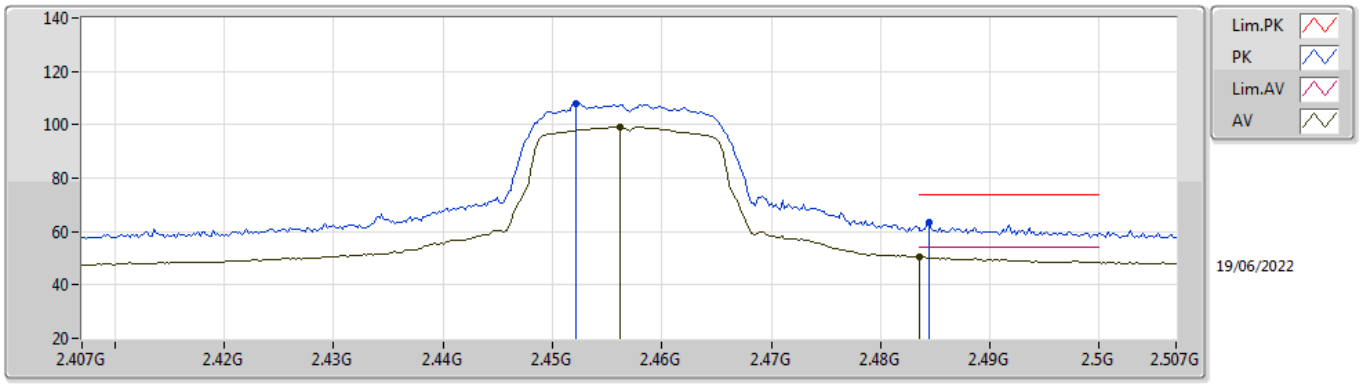
2457MHz_TX



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	2.456G	104.11	Inf	-Inf	32.10	3	Vertical	32	1.29	-	72.01	27.64	4.46	-
AV	2.4835G	53.07	54.00	-0.93	32.30	3	Vertical	32	1.29	-	20.77	27.80	4.50	-
PK	2.4522G	112.70	Inf	-Inf	32.07	3	Vertical	32	1.29	-	80.63	27.61	4.46	-
PK	2.484G	65.63	74.00	-8.37	32.30	3	Vertical	32	1.29	-	33.33	27.80	4.50	-

802.11g_Nss1,(6Mbps)_1TX

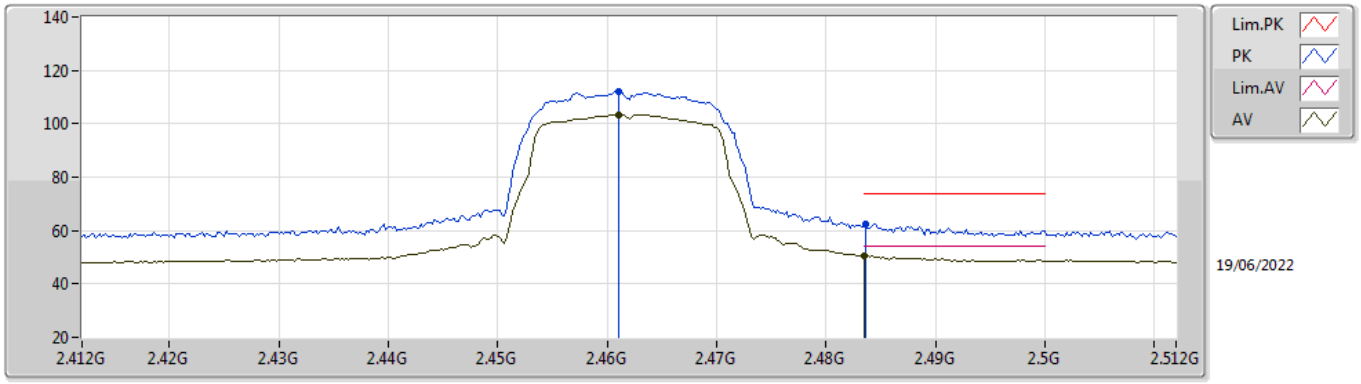
2457MHz_TX



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	99.23	Inf	-Inf	32.10	3	Horizontal	215	1.30	-	67.13	27.64	4.46	-
AV	2.4835G	50.26	54.00	-3.74	32.30	3	Horizontal	215	1.30	-	17.96	27.80	4.50	-
PK	2.4522G	107.93	Inf	-Inf	32.07	3	Horizontal	215	1.30	-	75.86	27.61	4.46	-
PK	2.4844G	63.19	74.00	-10.81	32.31	3	Horizontal	215	1.30	-	30.88	27.81	4.50	-

802.11g_Nss1,(6Mbps)_1TX

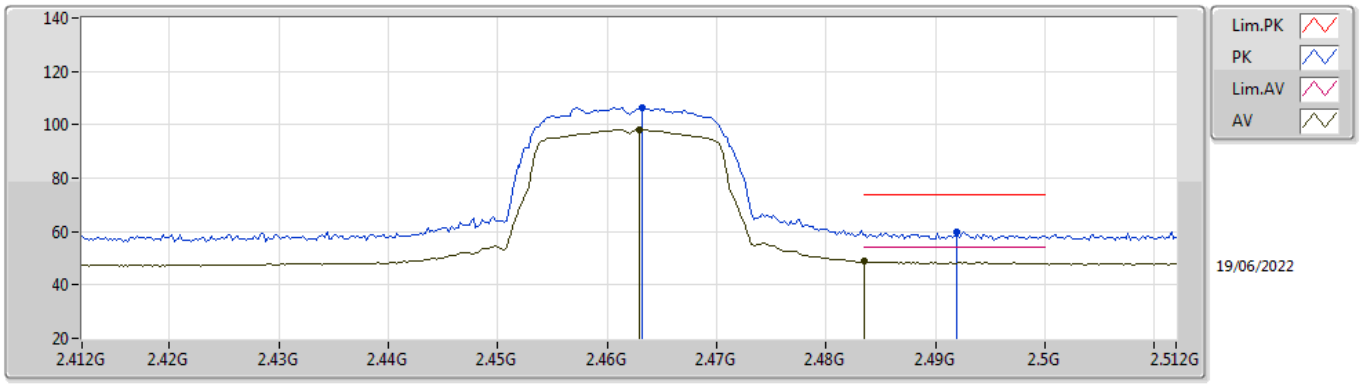
2462MHz_TX



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	2.461G	103.53	Inf	-Inf	32.14	3	Vertical	29	1.16	-	71.39	27.67	4.47	-
AV	2.4835G	50.44	54.00	-3.56	32.30	3	Vertical	29	1.16	-	18.14	27.80	4.50	-
PK	2.461G	111.99	Inf	-Inf	32.14	3	Vertical	29	1.16	-	79.85	27.67	4.47	-
PK	2.4836G	62.40	74.00	-11.60	32.30	3	Vertical	29	1.16	-	30.10	27.80	4.50	-

802.11g_Nss1,(6Mbps)_1TX

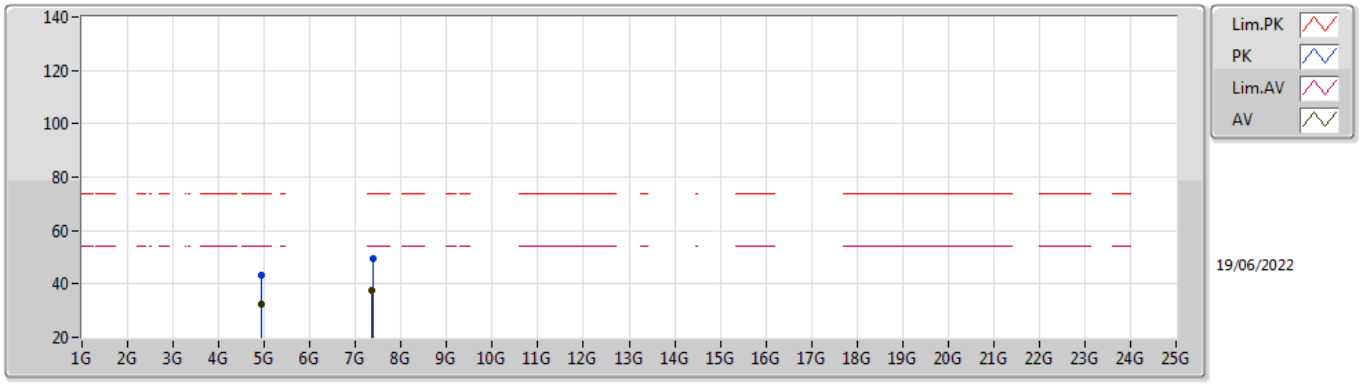
2462MHz_TX



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	2.463G	98.24	Inf	-Inf	32.15	3	Horizontal	214	1.58	-	66.09	27.68	4.47	-
AV	2.4835G	48.86	54.00	-5.14	32.30	3	Horizontal	214	1.58	-	16.56	27.80	4.50	-
PK	2.4632G	106.30	Inf	-Inf	32.15	3	Horizontal	214	1.58	-	74.15	27.68	4.47	-
PK	2.492G	60.04	74.00	-13.96	32.36	3	Horizontal	214	1.58	-	27.68	27.85	4.51	-

802.11g_Nss1,(6Mbps)_1TX

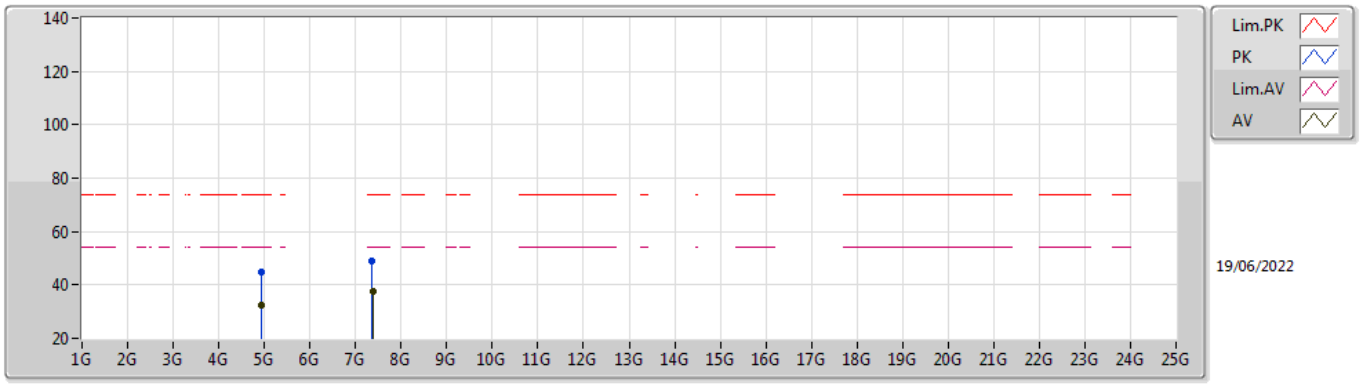
2462MHz_TX



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	4.94072G	32.50	54.00	-21.50	4.94	3	Vertical	213	2.13	-	27.56	33.04	6.34	34.44
AV	7.36704G	37.69	54.00	-16.31	10.09	3	Vertical	206	2.64	-	27.60	36.80	8.12	34.83
PK	4.9212G	43.45	74.00	-30.55	4.82	3	Vertical	213	2.13	-	38.63	32.93	6.33	34.44
PK	7.38864G	49.37	74.00	-24.63	9.95	3	Vertical	206	2.64	-	39.42	36.67	8.11	34.83

802.11g_Nss1,(6Mbps)_1TX

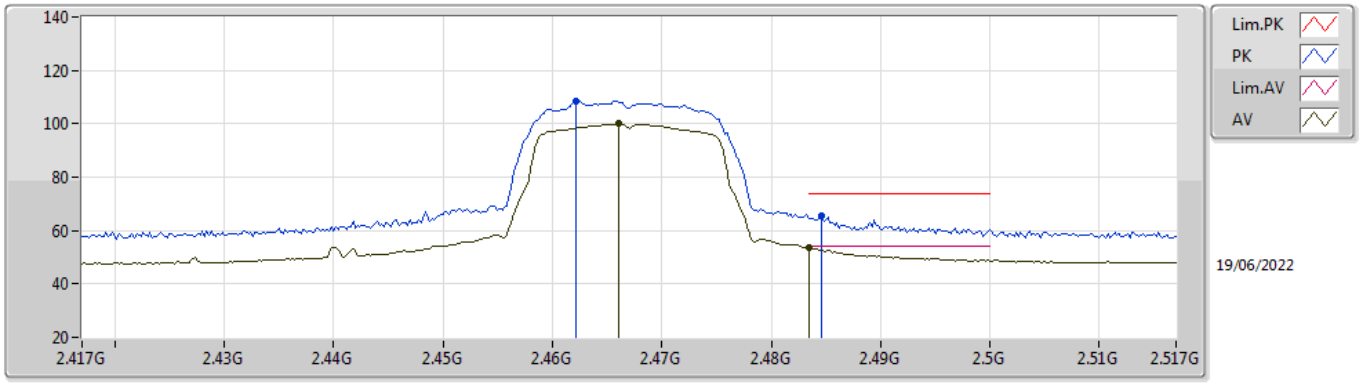
2462MHz_TX



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	4.93952G	32.50	54.00	-21.50	4.94	3	Horizontal	74	2.84	-	27.56	33.04	6.34	34.44
AV	7.37152G	37.71	54.00	-16.29	10.06	3	Horizontal	350	2.84	-	27.65	36.77	8.12	34.83
PK	4.9224G	44.57	74.00	-29.43	4.82	3	Horizontal	74	2.84	-	39.75	32.93	6.33	34.44
PK	7.37024G	49.06	74.00	-24.94	10.07	3	Horizontal	350	2.84	-	38.99	36.78	8.12	34.83

802.11g_Nss1,(6Mbps)_1TX

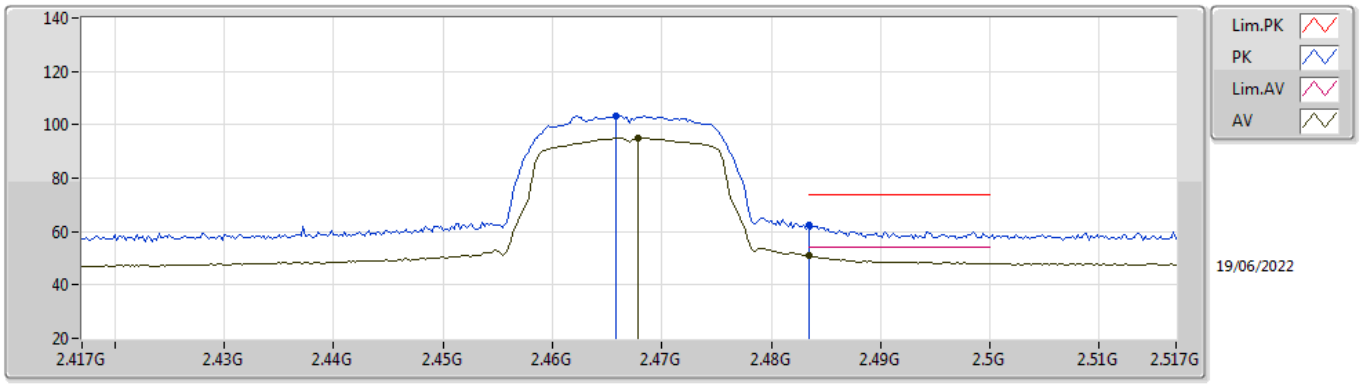
2467MHz_TX



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	99.96	Inf	-Inf	32.18	3	Vertical	31	1.26	-	67.78	27.70	4.48	-
AV	2.4835G	53.47	54.00	-0.53	32.30	3	Vertical	31	1.26	-	21.17	27.80	4.50	-
PK	2.4622G	108.46	Inf	-Inf	32.14	3	Vertical	31	1.26	-	76.32	27.67	4.47	-
PK	2.4846G	65.35	74.00	-8.65	32.31	3	Vertical	31	1.26	-	33.04	27.81	4.50	-

802.11g_Nss1,(6Mbps)_1TX

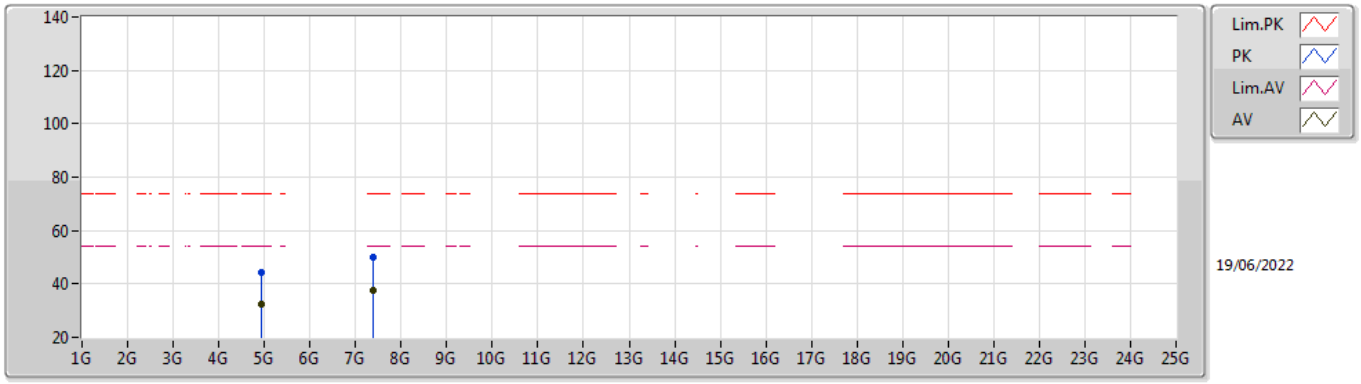
2467MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4678G	95.11	Inf	-Inf	32.19	3	Horizontal	214	1.41	-	62.92	27.71	4.48	-
AV	2.4835G	50.79	54.00	-3.21	32.30	3	Horizontal	214	1.41	-	18.49	27.80	4.50	-
PK	2.4658G	103.53	Inf	-Inf	32.17	3	Horizontal	214	1.41	-	71.36	27.69	4.48	-
PK	2.4835G	62.17	74.00	-11.83	32.30	3	Horizontal	214	1.41	-	29.87	27.80	4.50	-

802.11g_Nss1,(6Mbps)_1TX

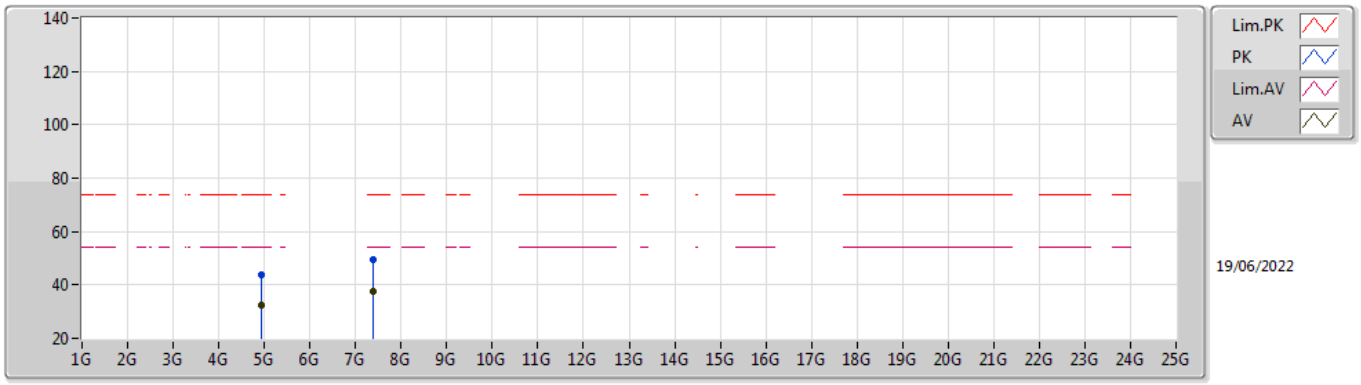
2467MHz_TX



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	4.93856G	32.58	54.00	-21.42	4.93	3	Vertical	0	1.80	-	27.65	33.03	6.34	34.44
AV	7.3822G	37.64	54.00	-16.36	10.00	3	Vertical	165	1.24	-	27.64	36.71	8.12	34.83
PK	4.94648G	44.21	74.00	-29.79	4.99	3	Vertical	0	1.80	-	39.22	33.08	6.35	34.44
PK	7.39148G	49.87	74.00	-24.13	9.92	3	Vertical	165	1.24	-	39.95	36.65	8.11	34.84

802.11g_Nss1,(6Mbps)_1TX

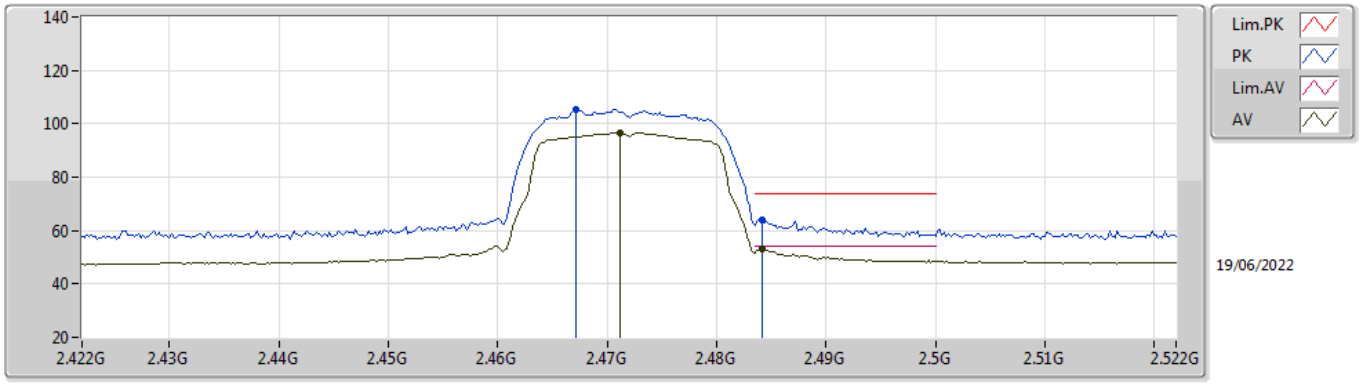
2467MHz_TX



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	4.94232G	32.52	54.00	-21.48	4.96	3	Horizontal	350	1.61	-	27.56	33.05	6.35	34.44
AV	7.38108G	37.65	54.00	-16.35	10.00	3	Horizontal	289	2.64	-	27.65	36.71	8.12	34.83
PK	4.94088G	44.00	74.00	-30.00	4.95	3	Horizontal	350	1.61	-	39.05	33.05	6.34	34.44
PK	7.3826G	49.31	74.00	-24.69	9.99	3	Horizontal	289	2.64	-	39.32	36.70	8.12	34.83

802.11g_Nss1,(6Mbps)_1TX

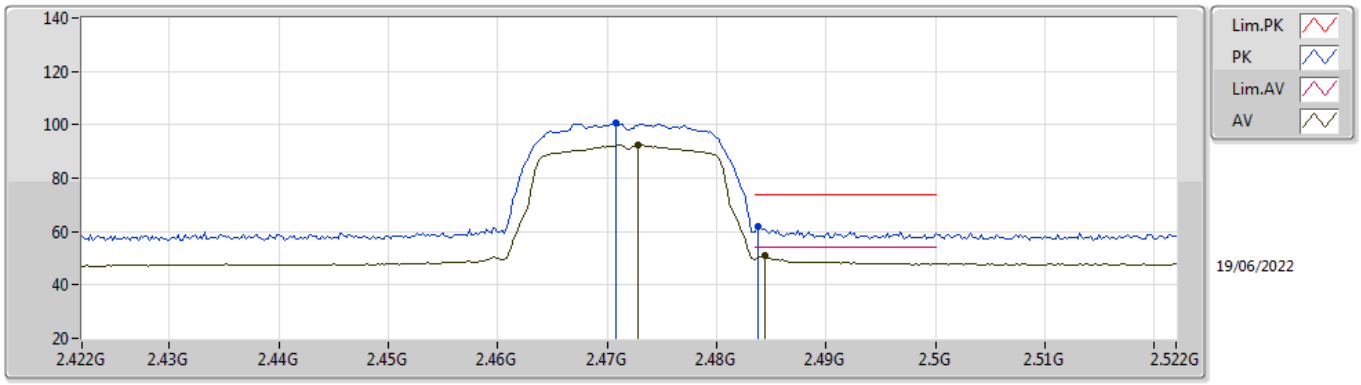
2472MHz_TX



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	2.4712G	96.66	Inf	-Inf	32.21	3	Vertical	30	1.03	-	64.45	27.73	4.48	-
AV	2.4842G	53.35	54.00	-0.65	32.31	3	Vertical	30	1.03	-	21.04	27.81	4.50	-
PK	2.4672G	105.23	Inf	-Inf	32.18	3	Vertical	30	1.03	-	73.05	27.70	4.48	-
PK	2.4842G	64.02	74.00	-9.98	32.31	3	Vertical	30	1.03	-	31.71	27.81	4.50	-

802.11g_Nss1,(6Mbps)_1TX

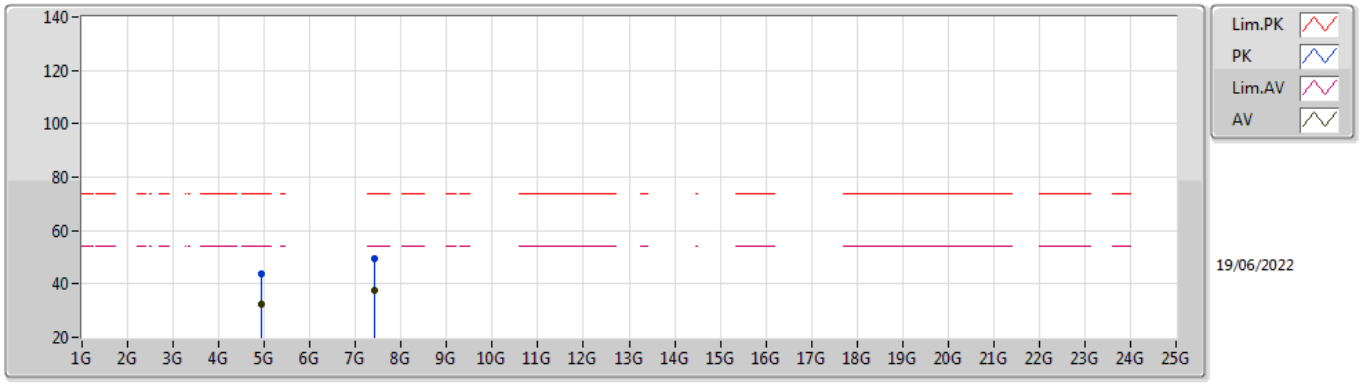
2472MHz_TX



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	2.4728G	92.33	Inf	-Inf	32.23	3	Horizontal	214	1.41	-	60.10	27.74	4.49	-
AV	2.4844G	50.80	54.00	-3.20	32.31	3	Horizontal	214	1.41	-	18.49	27.81	4.50	-
PK	2.4708G	100.69	Inf	-Inf	32.20	3	Horizontal	214	1.41	-	68.49	27.72	4.48	-
PK	2.4838G	61.84	74.00	-12.16	32.30	3	Horizontal	214	1.41	-	29.54	27.80	4.50	-

802.11g_Nss1,(6Mbps)_1TX

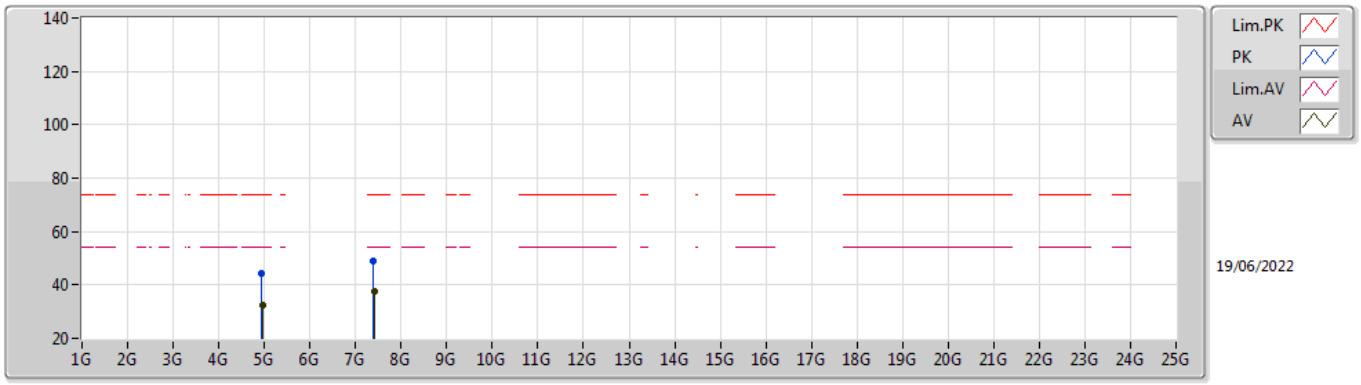
2472MHz_TX



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	4.94032G	32.41	54.00	-21.59	4.94	3	Vertical	196	2.88	-	27.47	33.04	6.34	34.44
AV	7.42456G	37.44	54.00	-16.56	9.89	3	Vertical	36	2.49	-	27.55	36.60	8.14	34.85
PK	4.93256G	43.86	74.00	-30.14	4.90	3	Vertical	196	2.88	-	38.96	33.00	6.34	34.44
PK	7.42024G	49.44	74.00	-24.56	9.90	3	Vertical	36	2.49	-	39.54	36.60	8.14	34.84

802.11g_Nss1,(6Mbps)_1TX

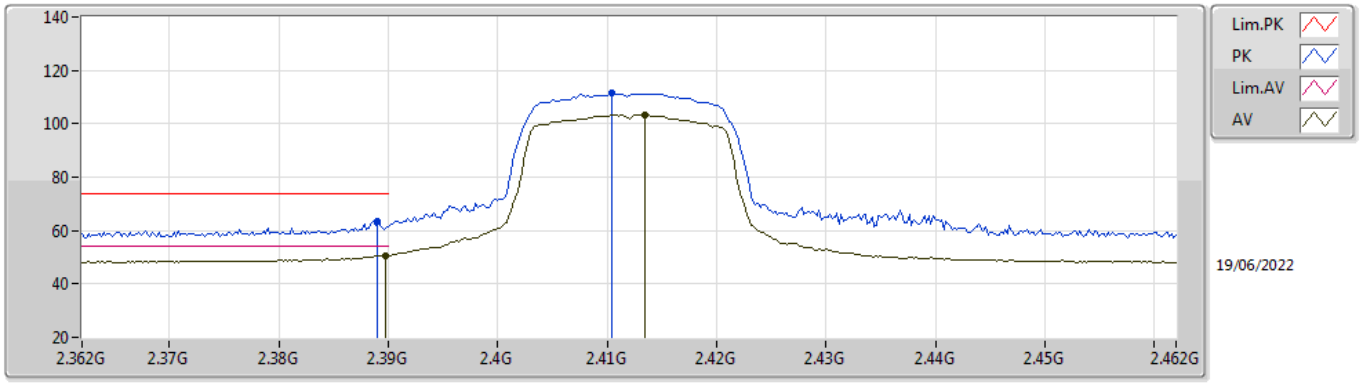
2472MHz_TX



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	4.96128G	32.43	54.00	-21.57	5.08	3	Horizontal	331	2.98	-	27.35	33.15	6.36	34.43
AV	7.41232G	37.38	54.00	-16.62	9.89	3	Horizontal	118	1.00	-	27.49	36.60	8.13	34.84
PK	4.93888G	44.10	74.00	-29.90	4.93	3	Horizontal	331	2.98	-	39.17	33.03	6.34	34.44
PK	7.39744G	48.85	74.00	-25.15	9.89	3	Horizontal	118	1.00	-	38.96	36.62	8.11	34.84

VHT20_Nss1,(MCS0)_1TX

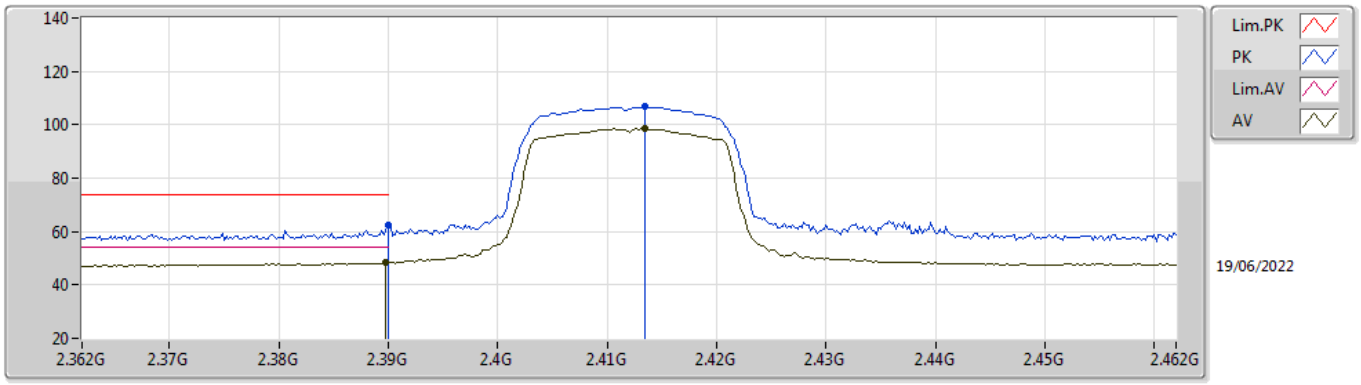
2412MHz_TX



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	50.67	54.00	-3.33	31.75	3	Vertical	27	1.34	-	18.92	27.38	4.37	-
AV	2.4134G	103.26	Inf	-Inf	31.85	3	Vertical	27	1.34	-	71.41	27.45	4.40	-
PK	2.389G	63.67	74.00	-10.33	31.75	3	Vertical	27	1.34	-	31.92	27.38	4.37	-
PK	2.4104G	111.43	Inf	-Inf	31.84	3	Vertical	27	1.34	-	79.59	27.44	4.40	-

VHT20_Nss1,(MCS0)_1TX

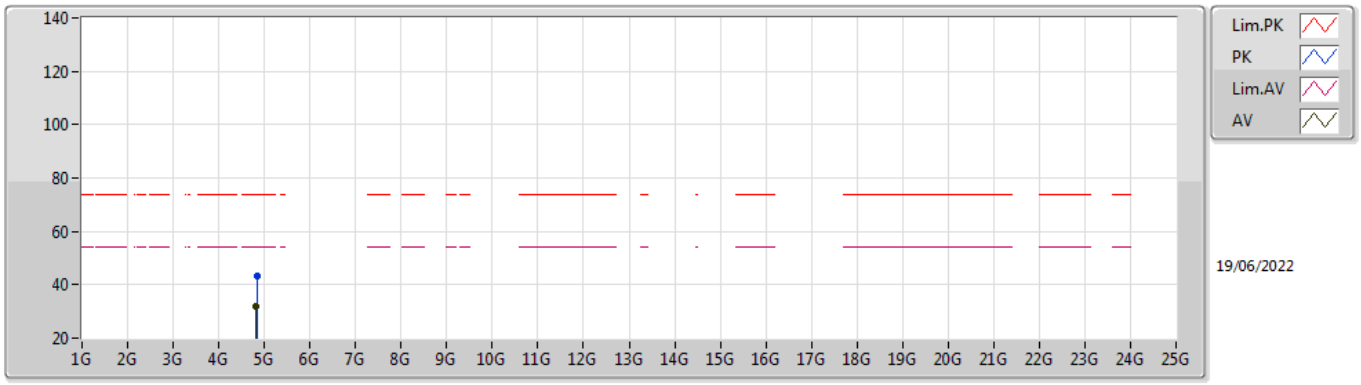
2412MHz_TX



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	48.33	54.00	-5.67	31.75	3	Horizontal	214	1.46	-	16.58	27.38	4.37	-
AV	2.4134G	98.56	Inf	-Inf	31.85	3	Horizontal	214	1.46	-	66.71	27.45	4.40	-
PK	2.39G	62.35	74.00	-11.65	31.75	3	Horizontal	214	1.46	-	30.60	27.38	4.37	-
PK	2.4134G	106.79	Inf	-Inf	31.85	3	Horizontal	214	1.46	-	74.94	27.45	4.40	-

VHT20_Nss1,(MCS0)_1TX

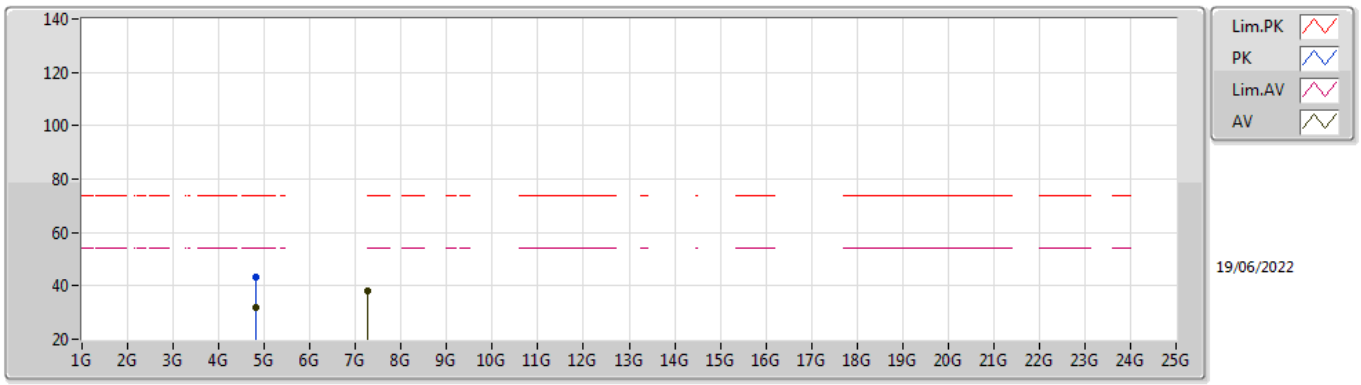
2412MHz_TX



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	4.8064G	31.70	54.00	-22.30	4.34	3	Vertical	237	2.14	-	27.36	32.53	6.26	34.45
PK	4.83712G	43.45	74.00	-30.55	4.48	3	Vertical	237	2.14	-	38.97	32.65	6.28	34.45

VHT20_Nss1,(MCS0)_1TX

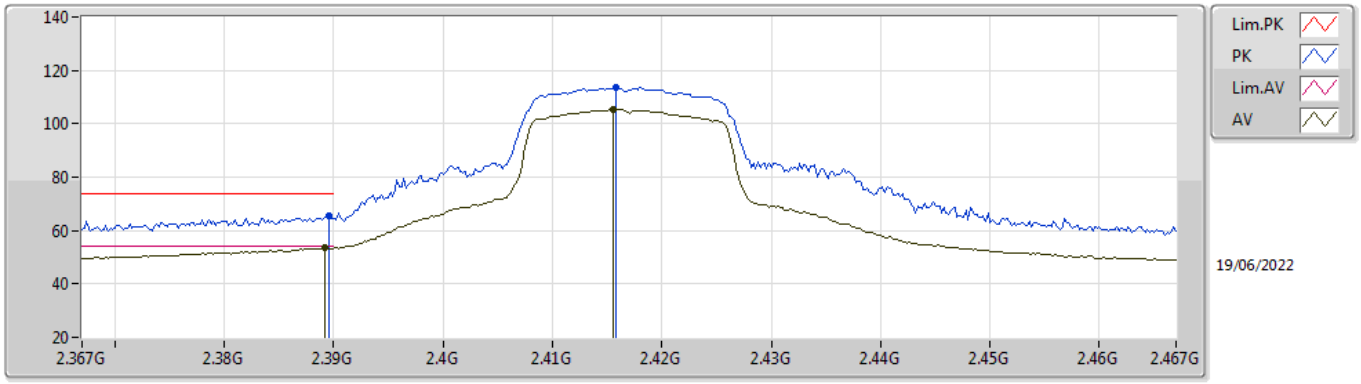
2412MHz_TX



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	4.82744G	31.71	54.00	-22.29	4.44	3	Horizontal	70	1.22	-	27.27	32.61	6.28	34.45
AV	7.2536G	38.20	54.00	-15.80	10.26	3	Horizontal	225	1.17	-	27.94	36.89	8.16	34.79
PK	4.81408G	43.47	74.00	-30.53	4.38	3	Horizontal	70	1.22	-	39.09	32.56	6.27	34.45

VHT20_Nss1,(MCS0)_1TX

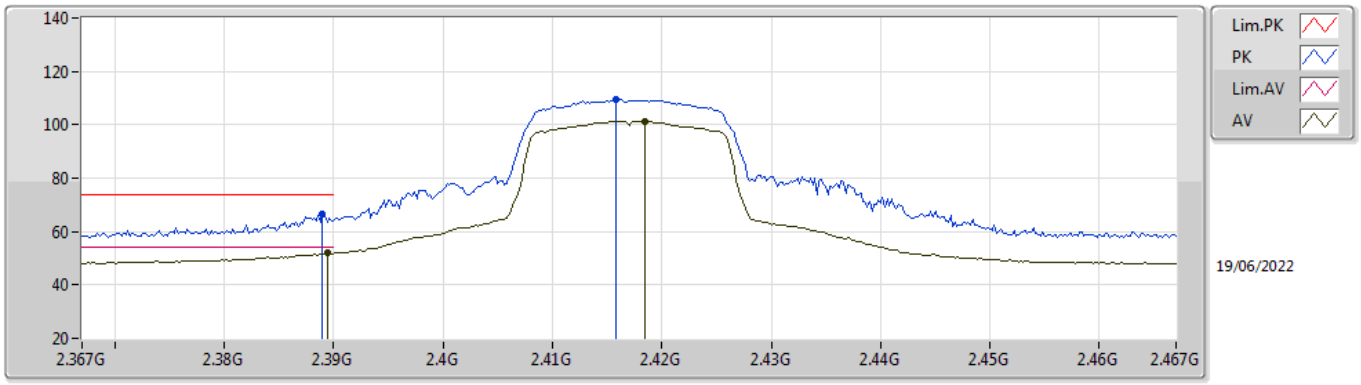
2417MHz_TX



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	2.3892G	53.47	54.00	-0.53	31.75	3	Vertical	27	1.35	-	21.72	27.38	4.37	-
AV	2.4156G	105.37	Inf	-Inf	31.86	3	Vertical	27	1.35	-	73.51	27.46	4.40	-
PK	2.3896G	65.31	74.00	-8.69	31.75	3	Vertical	27	1.35	-	33.56	27.38	4.37	-
PK	2.4158G	113.50	Inf	-Inf	31.86	3	Vertical	27	1.35	-	81.64	27.46	4.40	-

VHT20_Nss1,(MCS0)_1TX

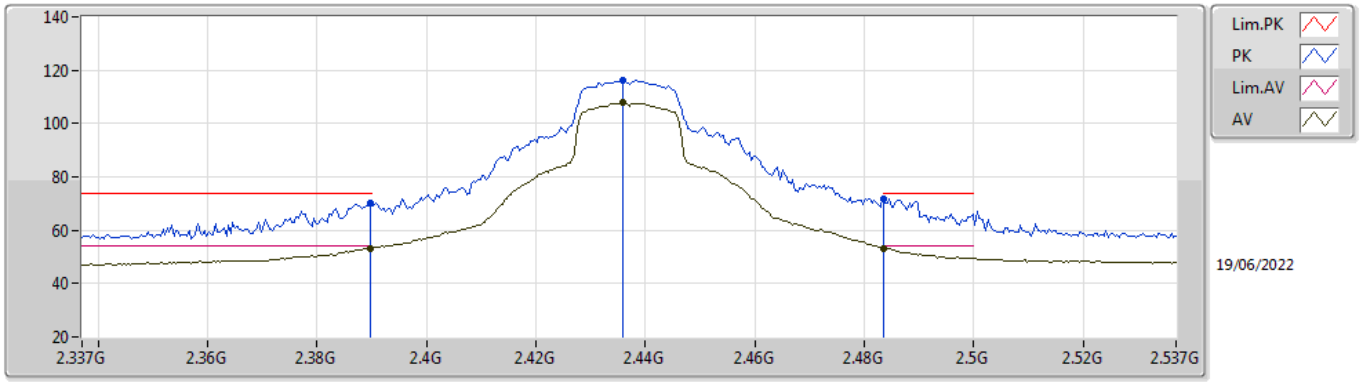
2417MHz_TX



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	2.3894G	51.85	54.00	-2.15	31.75	3	Horizontal	217	2.42	-	20.10	27.38	4.37	-
AV	2.4184G	101.21	Inf	-Inf	31.88	3	Horizontal	217	2.42	-	69.33	27.47	4.41	-
PK	2.389G	66.42	74.00	-7.58	31.75	3	Horizontal	217	2.42	-	34.67	27.38	4.37	-
PK	2.4158G	109.32	Inf	-Inf	31.86	3	Horizontal	217	2.42	-	77.46	27.46	4.40	-

VHT20_Nss1,(MCS0)_1TX

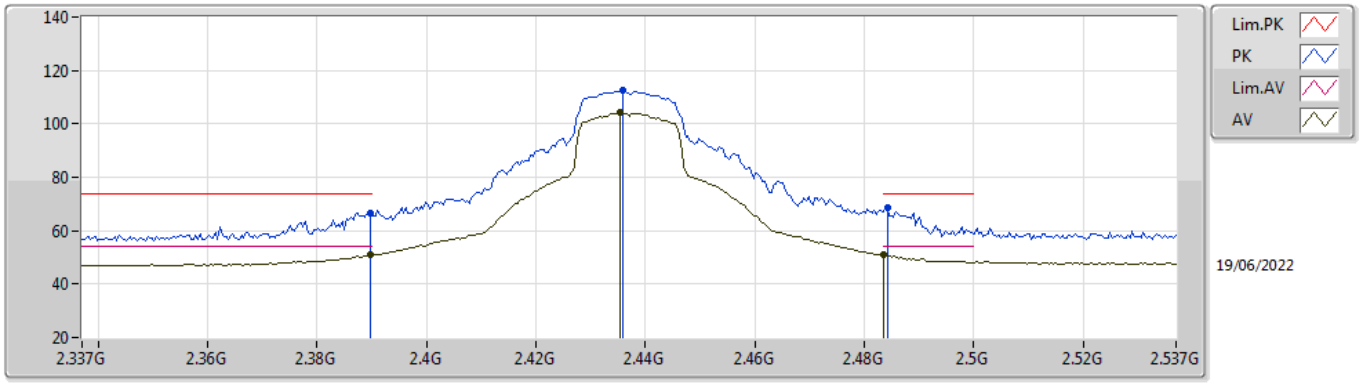
2437MHz_TX



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	53.36	54.00	-0.64	31.75	3	Vertical	28	1.09	-	21.61	27.38	4.37	-
AV	2.4358G	107.82	Inf	-Inf	31.97	3	Vertical	28	1.09	-	75.85	27.54	4.43	-
AV	2.4835G	53.34	54.00	-0.66	32.30	3	Vertical	28	1.09	-	21.04	27.80	4.50	-
PK	2.3898G	70.16	74.00	-3.84	31.75	3	Vertical	28	1.09	-	38.41	27.38	4.37	-
PK	2.4358G	116.36	Inf	-Inf	31.97	3	Vertical	28	1.09	-	84.39	27.54	4.43	-
PK	2.4835G	71.97	74.00	-2.03	32.30	3	Vertical	28	1.09	-	39.67	27.80	4.50	-

VHT20_Nss1,(MCS0)_1TX

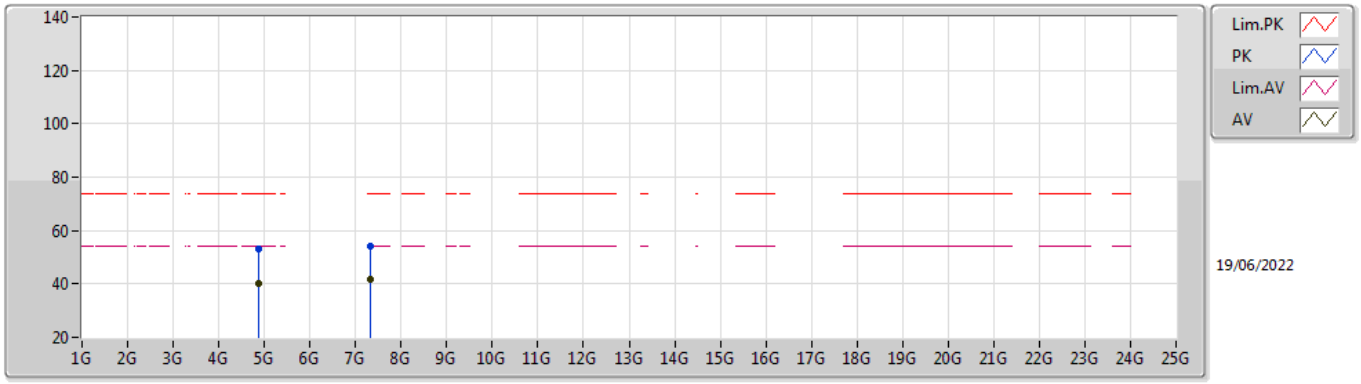
2437MHz_TX



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	50.98	54.00	-3.02	31.75	3	Horizontal	215	1.38	-	19.23	27.38	4.37	-
AV	2.4354G	104.06	Inf	-Inf	31.97	3	Horizontal	215	1.38	-	72.09	27.54	4.43	-
AV	2.4835G	50.97	54.00	-3.03	32.30	3	Horizontal	215	1.38	-	18.67	27.80	4.50	-
PK	2.3898G	66.78	74.00	-7.22	31.75	3	Horizontal	215	1.38	-	35.03	27.38	4.37	-
PK	2.4358G	112.52	Inf	-Inf	31.97	3	Horizontal	215	1.38	-	80.55	27.54	4.43	-
PK	2.4842G	68.48	74.00	-5.52	32.31	3	Horizontal	215	1.38	-	36.17	27.81	4.50	-

VHT20_Nss1,(MCS0)_1TX

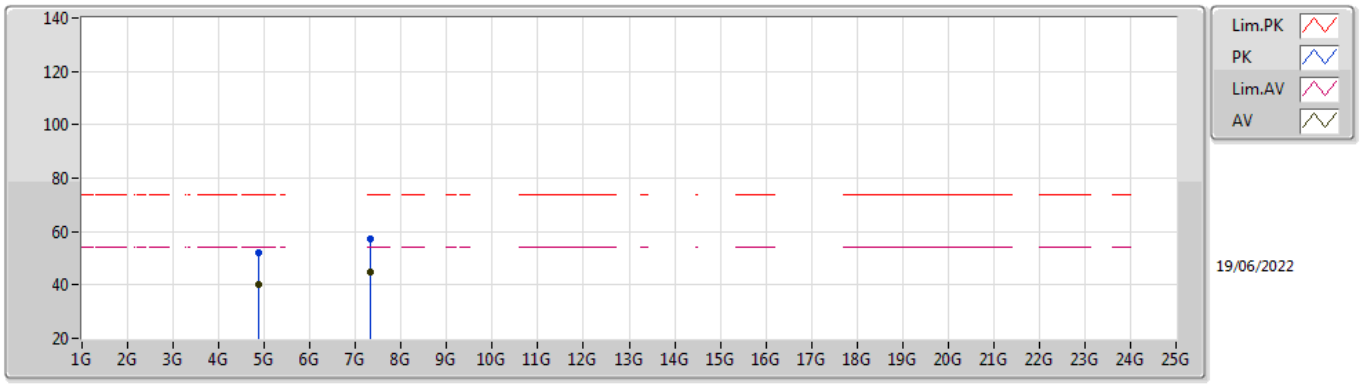
2437MHz_TX



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	4.8716G	40.16	54.00	-13.84	4.60	3	Vertical	43	2.29	-	35.56	32.74	6.30	34.44
AV	7.31092G	41.94	54.00	-12.06	10.07	3	Vertical	310	1.23	-	31.87	36.74	8.14	34.81
PK	4.86832G	52.92	74.00	-21.08	4.60	3	Vertical	43	2.29	-	48.32	32.74	6.30	34.44
PK	7.31516G	54.26	74.00	-19.74	10.09	3	Vertical	310	1.23	-	44.17	36.76	8.14	34.81

VHT20_Nss1,(MCS0)_1TX

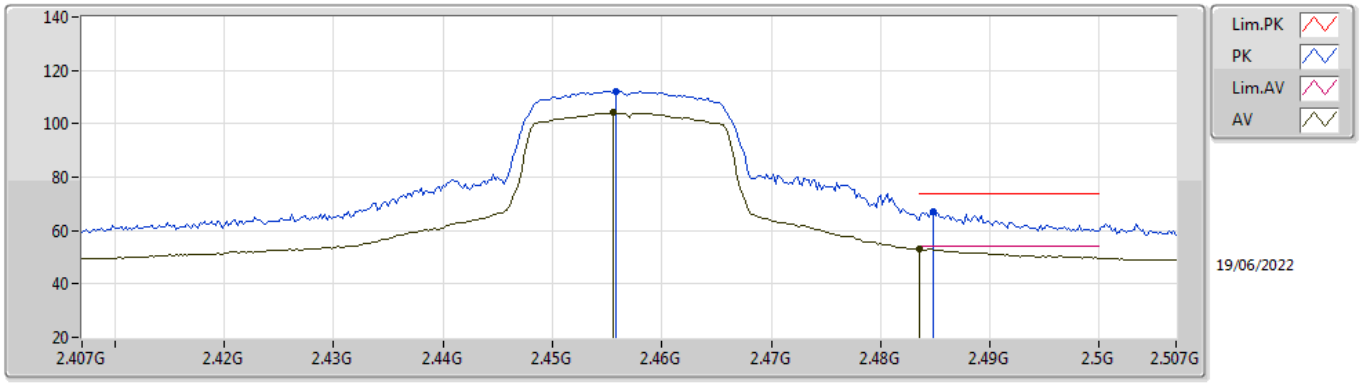
2437MHz_TX



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	4.872G	39.97	54.00	-14.03	4.60	3	Horizontal	355	1.50	-	35.37	32.74	6.30	34.44
AV	7.31492G	44.80	54.00	-9.20	10.09	3	Horizontal	25	2.89	-	34.71	36.76	8.14	34.81
PK	4.87264G	52.08	74.00	-21.92	4.61	3	Horizontal	355	1.50	-	47.47	32.75	6.30	34.44
PK	7.31156G	57.28	74.00	-16.72	10.08	3	Horizontal	25	2.89	-	47.20	36.75	8.14	34.81

VHT20_Nss1,(MCS0)_1TX

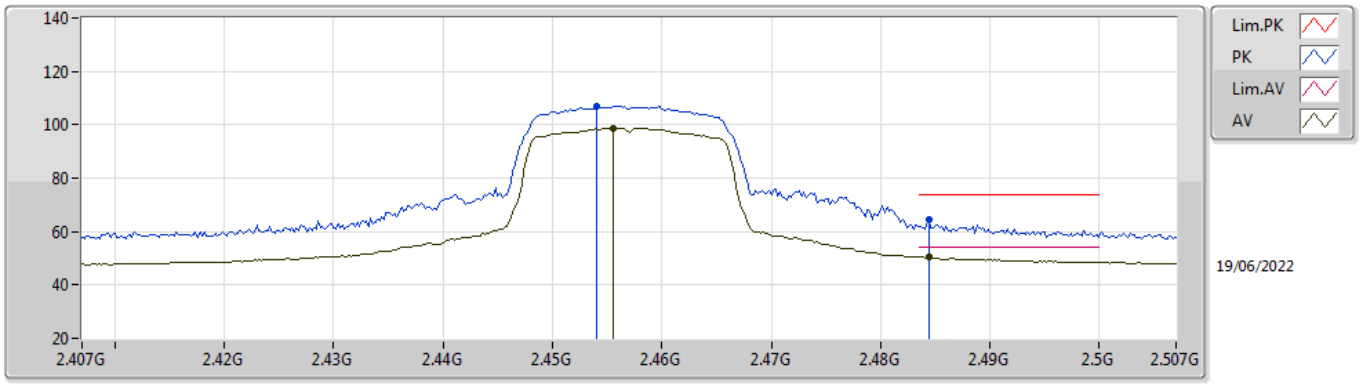
2457MHz_TX



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	2.4556G	104.08	Inf	-Inf	32.09	3	Vertical	30	1.29	-	71.99	27.63	4.46	-
AV	2.4835G	53.21	54.00	-0.79	32.30	3	Vertical	30	1.29	-	20.91	27.80	4.50	-
PK	2.4558G	112.09	Inf	-Inf	32.09	3	Vertical	30	1.29	-	80.00	27.63	4.46	-
PK	2.4848G	67.11	74.00	-6.89	32.31	3	Vertical	30	1.29	-	34.80	27.81	4.50	-

VHT20_Nss1,(MCS0)_1TX

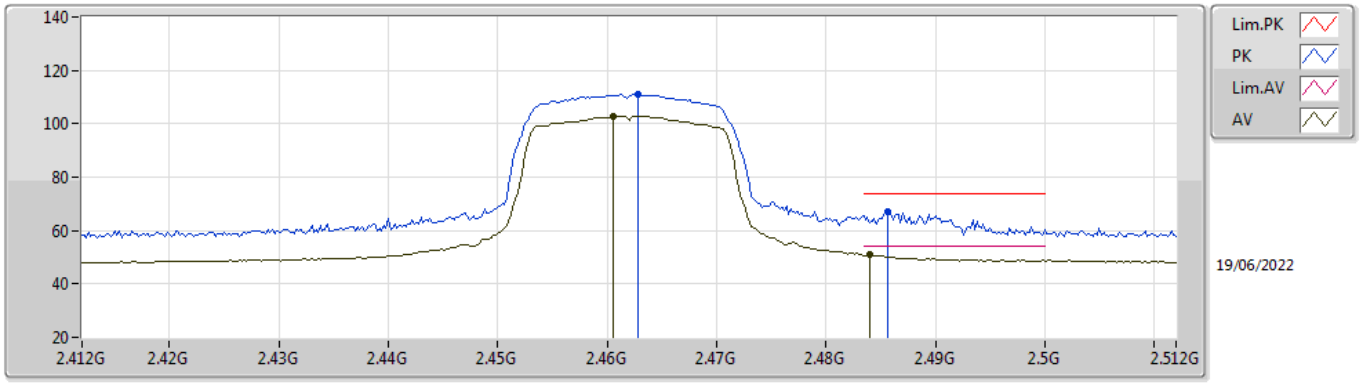
2457MHz_TX



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	2.4556G	98.74	Inf	-Inf	32.09	3	Horizontal	213	1.32	-	66.65	27.63	4.46	-
AV	2.4844G	50.27	54.00	-3.73	32.31	3	Horizontal	213	1.32	-	17.96	27.81	4.50	-
PK	2.454G	107.04	Inf	-Inf	32.08	3	Horizontal	213	1.32	-	74.96	27.62	4.46	-
PK	2.4844G	64.36	74.00	-9.64	32.31	3	Horizontal	213	1.32	-	32.05	27.81	4.50	-

VHT20_Nss1,(MCS0)_1TX

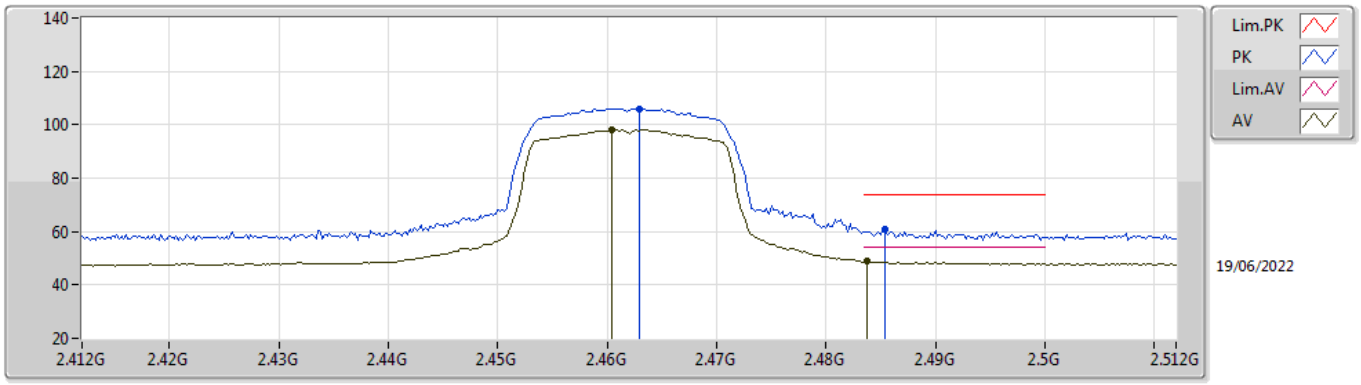
2462MHz_TX



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	2.4606G	102.83	Inf	-Inf	32.13	3	Vertical	29	1.16	-	70.70	27.66	4.47	-
AV	2.484G	50.97	54.00	-3.03	32.30	3	Vertical	29	1.16	-	18.67	27.80	4.50	-
PK	2.4628G	110.95	Inf	-Inf	32.15	3	Vertical	29	1.16	-	78.80	27.68	4.47	-
PK	2.4856G	67.21	74.00	-6.79	32.31	3	Vertical	29	1.16	-	34.90	27.81	4.50	-

VHT20_Nss1,(MCS0)_1TX

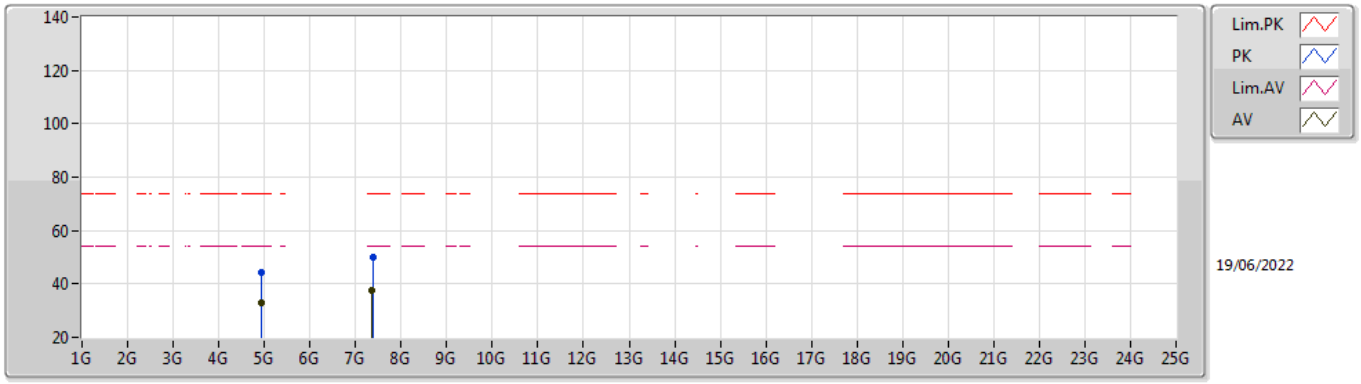
2462MHz_TX



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	2.4604G	98.02	Inf	-Inf	32.13	3	Horizontal	218	2.68	-	65.89	27.66	4.47	-
AV	2.4838G	48.86	54.00	-5.14	32.30	3	Horizontal	218	2.68	-	16.56	27.80	4.50	-
PK	2.463G	106.08	Inf	-Inf	32.15	3	Horizontal	218	2.68	-	73.93	27.68	4.47	-
PK	2.4854G	60.70	74.00	-13.30	32.31	3	Horizontal	218	2.68	-	28.39	27.81	4.50	-

VHT20_Nss1,(MCS0)_1TX

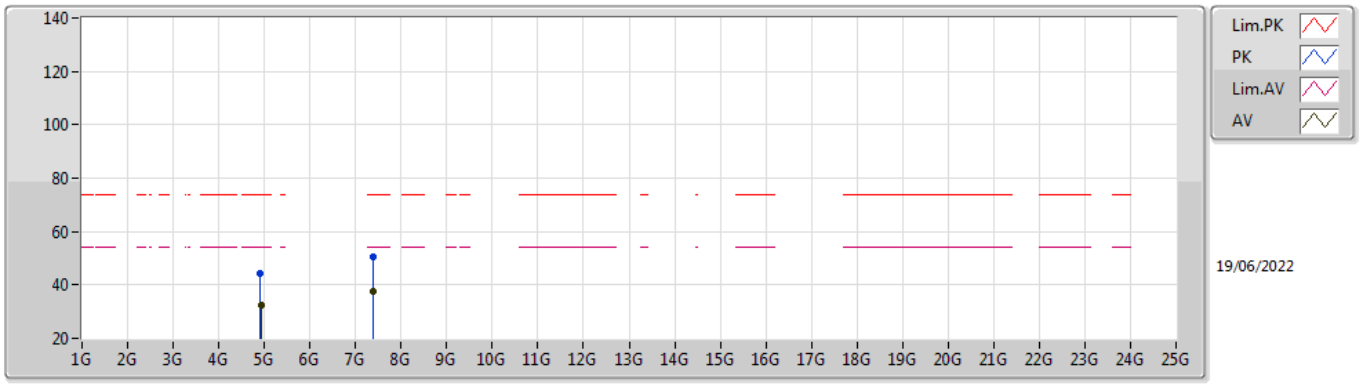
2462MHz_TX



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	4.94112G	32.77	54.00	-21.23	4.95	3	Vertical	63	2.60	-	27.82	33.05	6.34	34.44
AV	7.36816G	37.67	54.00	-16.33	10.08	3	Vertical	270	2.51	-	27.59	36.79	8.12	34.83
PK	4.94016G	44.06	74.00	-29.94	4.94	3	Vertical	63	2.60	-	39.12	33.04	6.34	34.44
PK	7.38192G	49.79	74.00	-24.21	10.00	3	Vertical	270	2.51	-	39.79	36.71	8.12	34.83

VHT20_Nss1,(MCS0)_1TX

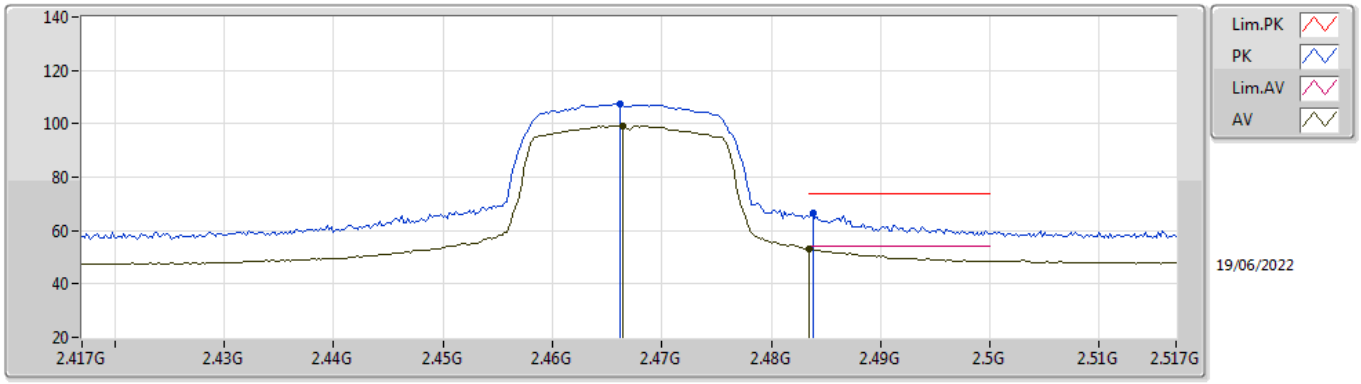
2462MHz_TX



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	4.92504G	32.41	54.00	-21.59	4.85	3	Horizontal	331	2.46	-	27.56	32.95	6.34	34.44
AV	7.37568G	37.81	54.00	-16.19	10.04	3	Horizontal	206	2.82	-	27.77	36.75	8.12	34.83
PK	4.90712G	44.56	74.00	-29.44	4.72	3	Horizontal	331	2.46	-	39.84	32.84	6.32	34.44
PK	7.38152G	50.34	74.00	-23.66	10.00	3	Horizontal	206	2.82	-	40.34	36.71	8.12	34.83

VHT20_Nss1,(MCS0)_1TX

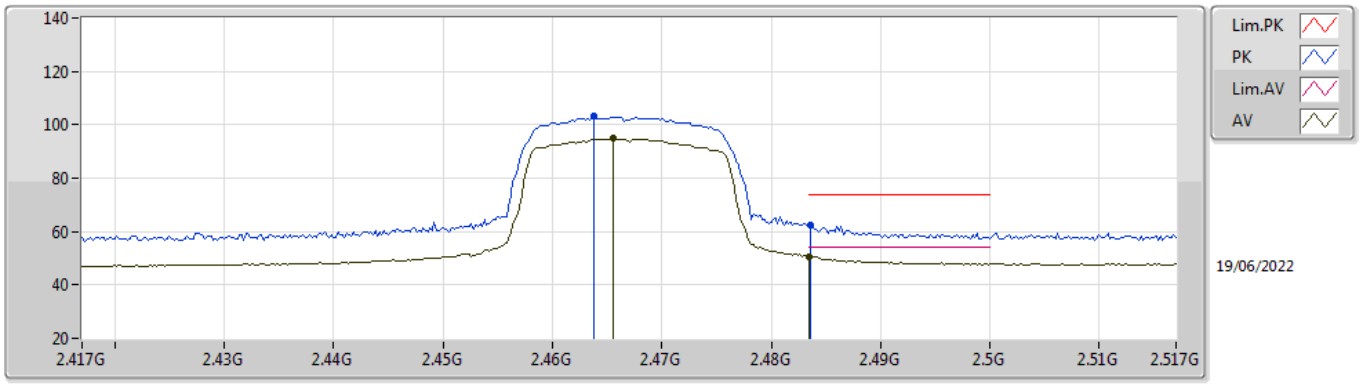
2467MHz_TX



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	99.16	Inf	-Inf	32.18	3	Vertical	34	1.25	-	66.98	27.70	4.48	-
AV	2.4835G	53.21	54.00	-0.79	32.30	3	Vertical	34	1.25	-	20.91	27.80	4.50	-
PK	2.4662G	107.22	Inf	-Inf	32.18	3	Vertical	34	1.25	-	75.04	27.70	4.48	-
PK	2.4838G	66.77	74.00	-7.23	32.30	3	Vertical	34	1.25	-	34.47	27.80	4.50	-

VHT20_Nss1,(MCS0)_1TX

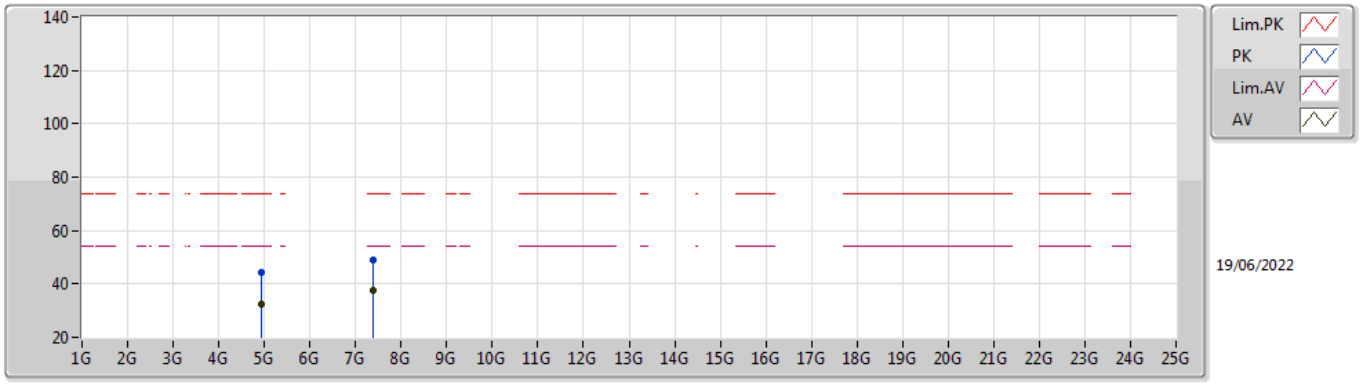
2467MHz_TX



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	2.4656G	94.81	Inf	-Inf	32.17	3	Horizontal	218	2.72	-	62.64	27.69	4.48	-
AV	2.4835G	50.62	54.00	-3.38	32.30	3	Horizontal	218	2.72	-	18.32	27.80	4.50	-
PK	2.4638G	103.08	Inf	-Inf	32.15	3	Horizontal	218	2.72	-	70.93	27.68	4.47	-
PK	2.4836G	62.26	74.00	-11.74	32.30	3	Horizontal	218	2.72	-	29.96	27.80	4.50	-

VHT20_Nss1,(MCS0)_1TX

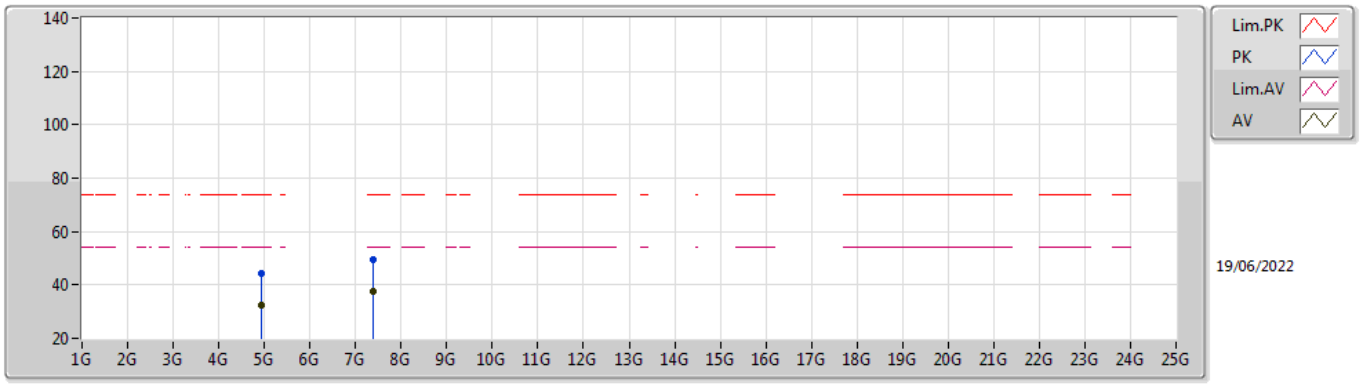
2467MHz_TX



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	4.94272G	32.53	54.00	-21.47	4.97	3	Vertical	112	1.02	-	27.56	33.06	6.35	34.44
AV	7.38332G	37.46	54.00	-16.54	9.99	3	Vertical	352	1.02	-	27.47	36.70	8.12	34.83
PK	4.93968G	44.51	74.00	-29.49	4.94	3	Vertical	112	1.02	-	39.57	33.04	6.34	34.44
PK	7.38764G	49.09	74.00	-24.91	9.95	3	Vertical	352	1.02	-	39.14	36.67	8.11	34.83

VHT20_Nss1,(MCS0)_1TX

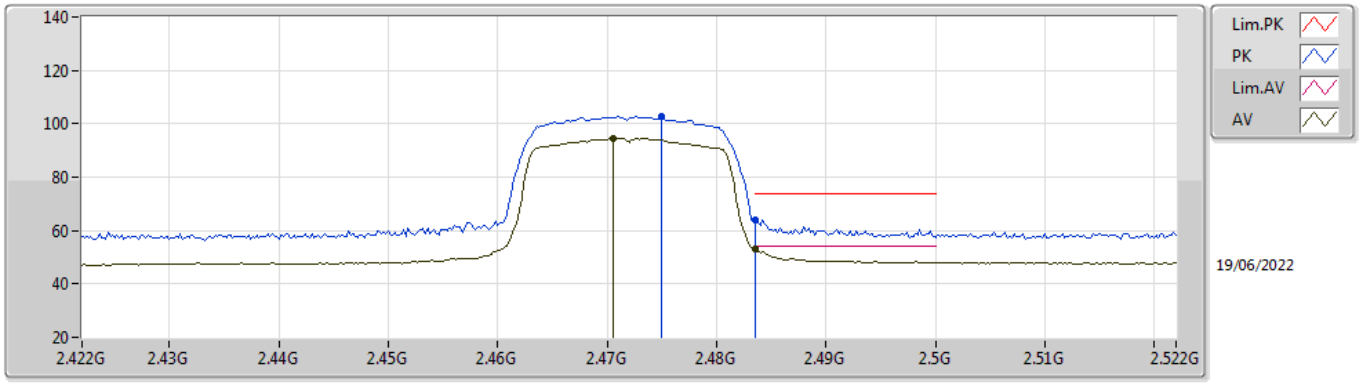
2467MHz_TX



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	4.94184G	32.43	54.00	-21.57	4.96	3	Horizontal	49	2.85	-	27.47	33.05	6.35	34.44
AV	7.38452G	37.53	54.00	-16.47	9.98	3	Horizontal	148	2.06	-	27.55	36.69	8.12	34.83
PK	4.92424G	44.48	74.00	-29.52	4.84	3	Horizontal	49	2.85	-	39.64	32.95	6.33	34.44
PK	7.39372G	49.35	74.00	-24.65	9.91	3	Horizontal	148	2.06	-	39.44	36.64	8.11	34.84

VHT20_Nss1,(MCS0)_1TX

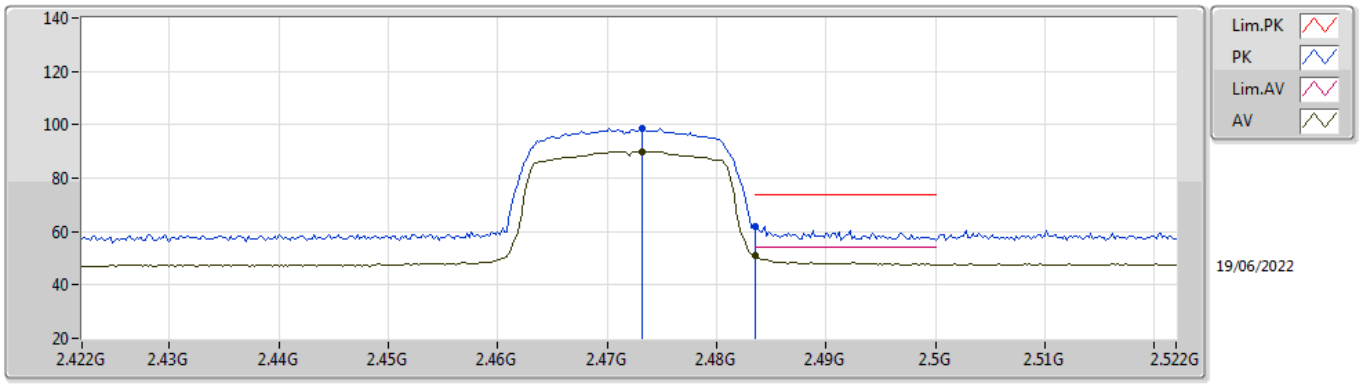
2472MHz_TX



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	2.4706G	94.57	Inf	-Inf	32.20	3	Vertical	31	1.06	-	62.37	27.72	4.48	-
AV	2.4835G	53.34	54.00	-0.66	32.30	3	Vertical	31	1.06	-	21.04	27.80	4.50	-
PK	2.475G	102.87	Inf	-Inf	32.24	3	Vertical	31	1.06	-	70.63	27.75	4.49	-
PK	2.4835G	64.20	74.00	-9.80	32.30	3	Vertical	31	1.06	-	31.90	27.80	4.50	-

VHT20_Nss1,(MCS0)_1TX

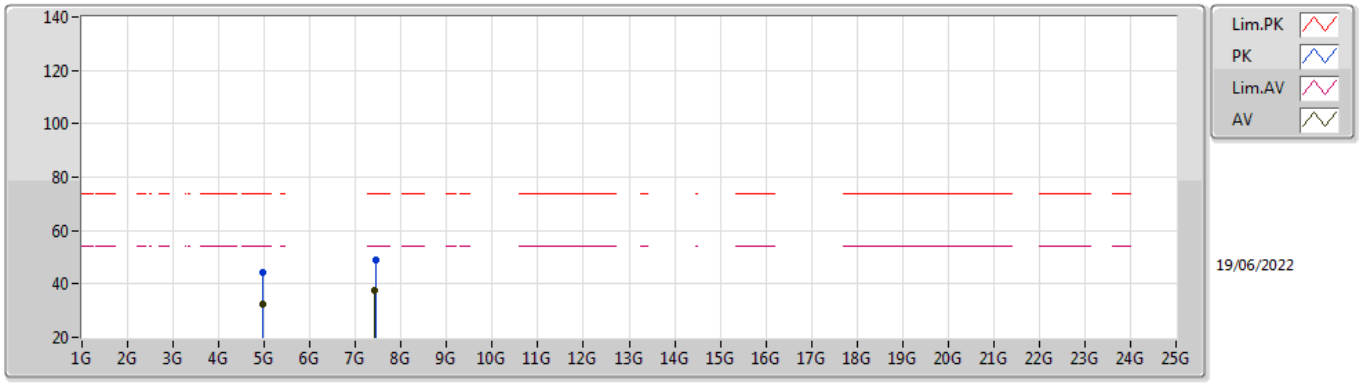
2472MHz_TX



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	2.4732G	90.01	Inf	-Inf	32.23	3	Horizontal	214	1.42	-	57.78	27.74	4.49	-
AV	2.4835G	50.79	54.00	-3.21	32.30	3	Horizontal	214	1.42	-	18.49	27.80	4.50	-
PK	2.4732G	98.57	Inf	-Inf	32.23	3	Horizontal	214	1.42	-	66.34	27.74	4.49	-
PK	2.4835G	61.79	74.00	-12.21	32.30	3	Horizontal	214	1.42	-	29.49	27.80	4.50	-

VHT20_Nss1,(MCS0)_1TX

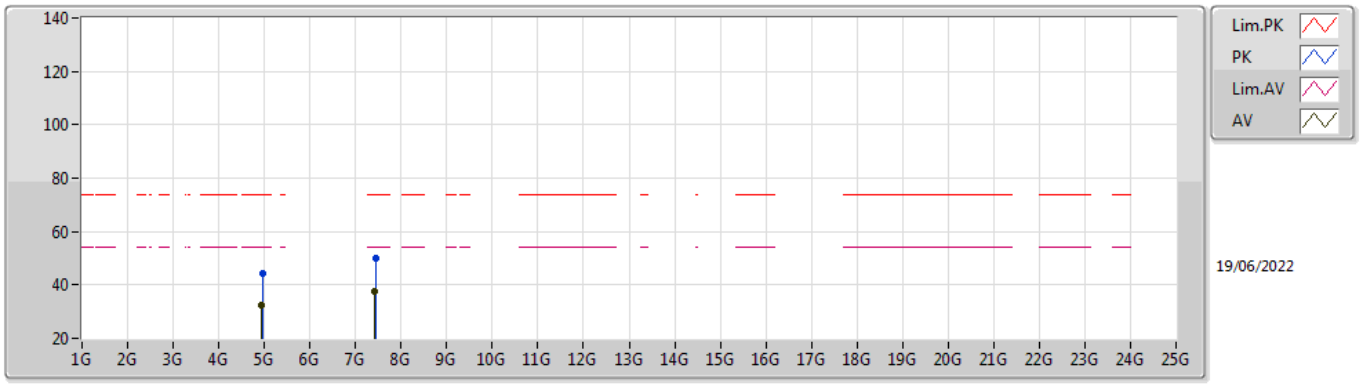
2472MHz_TX



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	4.96272G	32.59	54.00	-21.41	5.08	3	Vertical	235	2.15	-	27.51	33.15	6.36	34.43
AV	7.42576G	37.46	54.00	-16.54	9.90	3	Vertical	240	1.90	-	27.56	36.60	8.15	34.85
PK	4.9612G	44.09	74.00	-29.91	5.07	3	Vertical	235	2.15	-	39.02	33.14	6.36	34.43
PK	7.43232G	48.91	74.00	-25.09	9.91	3	Vertical	240	1.90	-	39.00	36.60	8.16	34.85

VHT20_Nss1,(MCS0)_1TX

2472MHz_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	4.93784G	32.50	54.00	-21.50	4.93	3	Horizontal	65	2.55	-	27.57	33.03	6.34	34.44
AV	7.40336G	37.50	54.00	-16.50	9.87	3	Horizontal	95	1.00	-	27.63	36.60	8.11	34.84
PK	4.95736G	44.13	74.00	-29.87	5.05	3	Horizontal	65	2.55	-	39.08	33.13	6.35	34.43
PK	7.43328G	50.06	74.00	-23.94	9.91	3	Horizontal	95	1.00	-	40.15	36.60	8.16	34.85

Summary

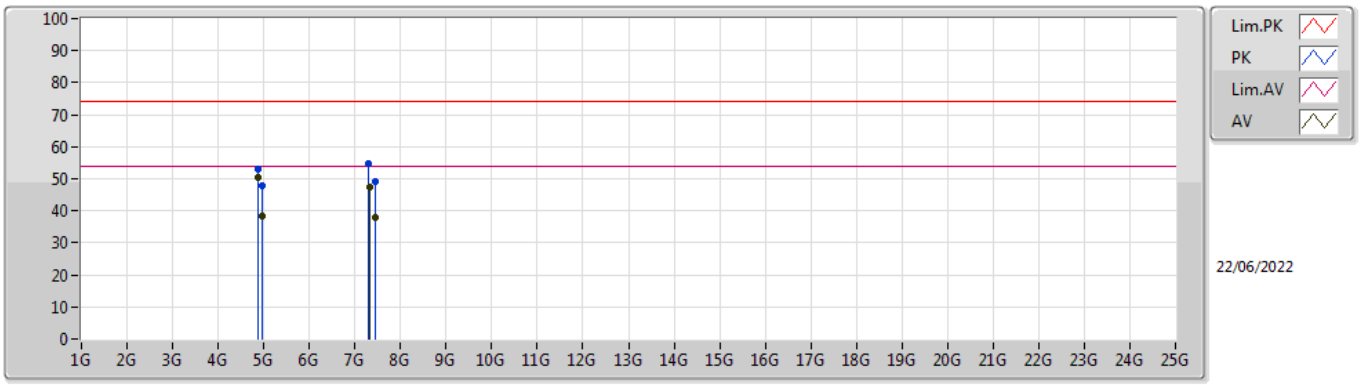
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87394G	51.24	54.00	-2.76	Horizontal
Mode 2	Pass	AV	15.71766G	50.84	54.00	-3.16	Horizontal
Mode 3	Pass	AV	7.38524G	50.87	54.00	-3.13	Horizontal
Mode 4	Pass	AV	7.34022G	50.51	54.00	-3.49	Horizontal

Mode config

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.874G	50.62	54.00	-3.38	3	Vertical	64	2.33	-
Mode 1	Pass	AV	4.95903G	38.18	54.00	-15.82	3	Vertical	31	1.10	-
Mode 1	Pass	AV	7.31172G	47.45	54.00	-6.55	3	Vertical	219	1.55	-
Mode 1	Pass	AV	7.44079G	38.00	54.00	-16.00	3	Vertical	267	2.60	-
Mode 1	Pass	PK	4.87388G	53.14	74.00	-20.86	3	Vertical	64	2.33	-
Mode 1	Pass	PK	4.96083G	47.67	74.00	-26.33	3	Vertical	31	1.10	-
Mode 1	Pass	PK	7.30974G	54.84	74.00	-19.16	3	Vertical	219	1.55	-
Mode 1	Pass	PK	7.44085G	48.93	74.00	-25.07	3	Vertical	267	2.60	-
Mode 1	Pass	AV	4.87394G	51.24	54.00	-2.76	3	Horizontal	357	1.69	-
Mode 1	Pass	AV	4.95911G	40.66	54.00	-13.34	3	Horizontal	40	2.33	-
Mode 1	Pass	AV	7.31178G	50.22	54.00	-3.78	3	Horizontal	28	2.49	-
Mode 1	Pass	AV	7.44049G	37.91	54.00	-16.09	3	Horizontal	231	1.79	-
Mode 1	Pass	PK	4.874G	53.94	74.00	-20.06	3	Horizontal	357	1.69	-
Mode 1	Pass	PK	4.96084G	48.84	74.00	-25.16	3	Horizontal	40	2.33	-
Mode 1	Pass	PK	7.3125G	56.22	74.00	-17.78	3	Horizontal	28	2.49	-
Mode 1	Pass	PK	7.43894G	48.90	74.00	-25.10	3	Horizontal	231	1.79	-
Mode 2	Pass	AV	4.95902G	39.34	54.00	-14.66	3	Vertical	103	1.03	-
Mode 2	Pass	AV	7.44101G	38.00	54.00	-16.00	3	Vertical	14	1.47	-
Mode 2	Pass	AV	15.7212G	48.86	54.00	-5.14	3	Vertical	353	1.93	-
Mode 2	Pass	PK	4.95893G	49.36	74.00	-24.64	3	Vertical	103	1.03	-
Mode 2	Pass	PK	7.44076G	48.60	74.00	-25.40	3	Vertical	14	1.47	-
Mode 2	Pass	PK	10.47778G	55.85	68.20	-12.35	3	Vertical	328	1.00	-
Mode 2	Pass	PK	15.72294G	61.36	74.00	-12.64	3	Vertical	353	1.93	-
Mode 2	Pass	AV	4.95908G	39.42	54.00	-14.58	3	Horizontal	104	1.05	-
Mode 2	Pass	AV	7.43944G	38.06	54.00	-15.94	3	Horizontal	280	1.53	-
Mode 2	Pass	AV	15.71766G	50.84	54.00	-3.16	3	Horizontal	300	1.02	-
Mode 2	Pass	PK	4.95917G	49.21	74.00	-24.79	3	Horizontal	104	1.05	-
Mode 2	Pass	PK	7.43873G	49.01	74.00	-24.99	3	Horizontal	280	1.53	-
Mode 2	Pass	PK	10.47688G	57.35	68.20	-10.85	3	Horizontal	51	2.81	-
Mode 2	Pass	PK	15.71742G	63.52	74.00	-10.48	3	Horizontal	300	1.02	-
Mode 3	Pass	AV	4.92401G	45.38	54.00	-8.62	3	Vertical	36	1.26	-
Mode 3	Pass	AV	4.929G	32.27	54.00	-21.73	3	Vertical	65	2.26	-
Mode 3	Pass	AV	7.272G	36.79	54.00	-17.21	3	Vertical	342	2.20	-
Mode 3	Pass	AV	7.386G	42.43	54.00	-11.57	3	Vertical	223	1.33	-
Mode 3	Pass	PK	4.9239G	49.92	74.00	-24.08	3	Vertical	36	1.26	-
Mode 3	Pass	PK	4.929G	44.71	74.00	-29.29	3	Vertical	65	2.26	-
Mode 3	Pass	PK	7.272G	49.58	74.00	-24.42	3	Vertical	342	2.20	-
Mode 3	Pass	PK	7.386G	53.67	74.00	-20.33	3	Vertical	223	1.33	-
Mode 3	Pass	AV	4.848G	43.40	54.00	-10.60	3	Horizontal	342	2.65	-
Mode 3	Pass	AV	4.924G	49.63	54.00	-4.37	3	Horizontal	353	1.50	-
Mode 3	Pass	AV	7.272G	36.51	54.00	-17.49	3	Horizontal	360	2.41	-
Mode 3	Pass	AV	7.38524G	50.87	54.00	-3.13	3	Horizontal	23	2.17	-
Mode 3	Pass	PK	4.848G	50.52	74.00	-23.48	3	Horizontal	342	2.65	-
Mode 3	Pass	PK	4.924G	52.61	74.00	-21.39	3	Horizontal	353	1.50	-
Mode 3	Pass	PK	7.272G	48.96	74.00	-25.04	3	Horizontal	360	2.41	-
Mode 3	Pass	PK	7.38671G	57.11	74.00	-16.89	3	Horizontal	23	2.17	-
Mode 4	Pass	AV	4.80795G	42.15	54.00	-11.85	3	Vertical	64	1.04	-
Mode 4	Pass	AV	4.89398G	47.41	54.00	-6.59	3	Vertical	47	1.47	-
Mode 4	Pass	AV	7.21261G	37.29	54.00	-16.71	3	Vertical	346	2.49	-
Mode 4	Pass	AV	7.34024G	46.01	54.00	-7.99	3	Vertical	312	1.70	-

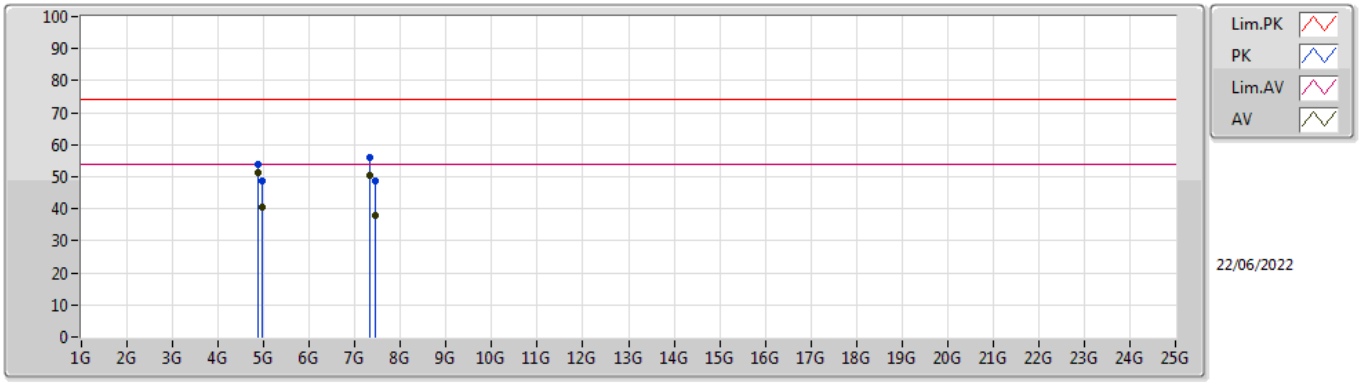
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 4	Pass	PK	4.808G	50.71	74.00	-23.29	3	Vertical	64	1.04	-
Mode 4	Pass	PK	4.89394G	51.12	74.00	-22.88	3	Vertical	47	1.47	-
Mode 4	Pass	PK	7.2126G	49.56	74.00	-24.44	3	Vertical	346	2.49	-
Mode 4	Pass	PK	7.34176G	54.20	74.00	-19.80	3	Vertical	312	1.70	-
Mode 4	Pass	AV	4.80794G	41.85	54.00	-12.15	3	Horizontal	337	2.54	-
Mode 4	Pass	AV	4.89394G	44.99	54.00	-9.01	3	Horizontal	347	2.12	-
Mode 4	Pass	AV	7.21147G	36.56	54.00	-17.44	3	Horizontal	0	2.26	-
Mode 4	Pass	AV	7.34022G	50.51	54.00	-3.49	3	Horizontal	23	2.67	-
Mode 4	Pass	PK	4.80742G	50.17	74.00	-23.83	3	Horizontal	337	2.54	-
Mode 4	Pass	PK	4.89408G	49.39	74.00	-24.61	3	Horizontal	347	2.12	-
Mode 4	Pass	PK	7.21306G	49.60	74.00	-24.40	3	Horizontal	0	2.26	-
Mode 4	Pass	PK	7.34026G	56.41	74.00	-17.59	3	Horizontal	23	2.67	-

Radiated Emissions above 1GHz_Mode 1



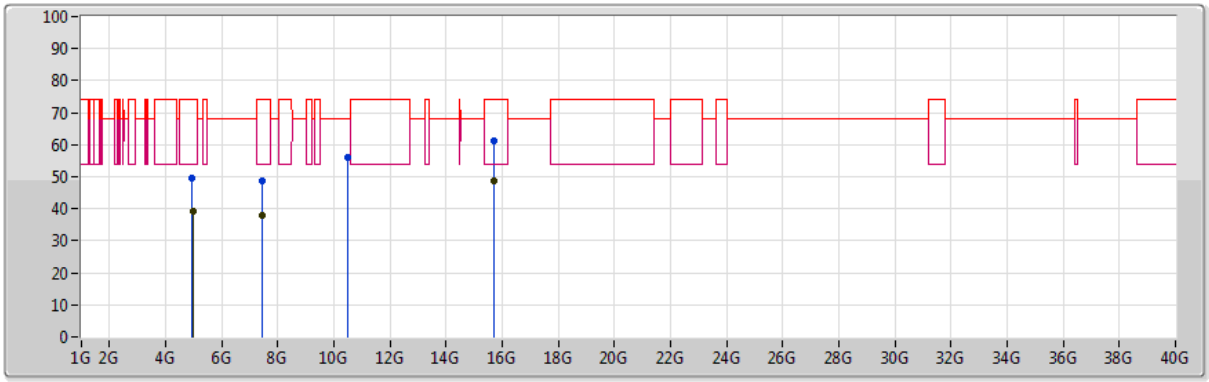
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.874G	50.62	54.00	-3.38	4.61	3	Vertical	64	2.33	-	46.01	32.75	6.30	34.44
AV	4.95903G	38.18	54.00	-15.82	5.07	3	Vertical	31	1.10	-	33.11	33.14	6.36	34.43
AV	7.31172G	47.45	54.00	-6.55	10.08	3	Vertical	219	1.55	-	37.37	36.75	8.14	34.81
AV	7.44079G	38.00	54.00	-16.00	9.92	3	Vertical	267	2.60	-	28.08	36.60	8.17	34.85
PK	4.87388G	53.14	74.00	-20.86	4.61	3	Vertical	64	2.33	-	48.53	32.75	6.30	34.44
PK	4.96083G	47.67	74.00	-26.33	5.07	3	Vertical	31	1.10	-	42.60	33.14	6.36	34.43
PK	7.30974G	54.84	74.00	-19.16	10.07	3	Vertical	219	1.55	-	44.77	36.74	8.14	34.81
PK	7.44085G	48.93	74.00	-25.07	9.92	3	Vertical	267	2.60	-	39.01	36.60	8.17	34.85

Radiated Emissions above 1GHz_Mode 1



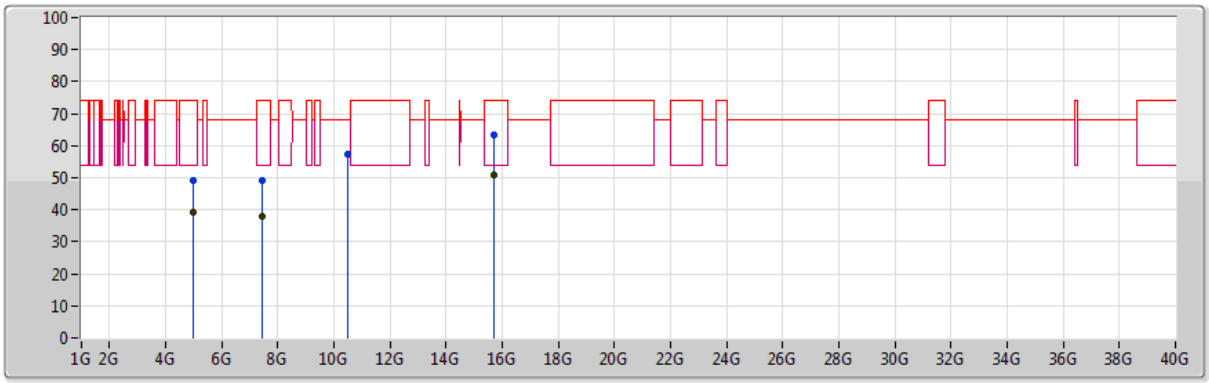
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.87394G	51.24	54.00	-2.76	4.61	3	Horizontal	357	1.69	-	46.63	32.75	6.30	34.44
AV	4.95911G	40.66	54.00	-13.34	5.07	3	Horizontal	40	2.33	-	35.59	33.14	6.36	34.43
AV	7.31178G	50.22	54.00	-3.78	10.08	3	Horizontal	28	2.49	-	40.14	36.75	8.14	34.81
AV	7.44049G	37.91	54.00	-16.09	9.92	3	Horizontal	231	1.79	-	27.99	36.60	8.17	34.85
PK	4.874G	53.94	74.00	-20.06	4.61	3	Horizontal	357	1.69	-	49.33	32.75	6.30	34.44
PK	4.96084G	48.84	74.00	-25.16	5.07	3	Horizontal	40	2.33	-	43.77	33.14	6.36	34.43
PK	7.3125G	56.22	74.00	-17.78	10.08	3	Horizontal	28	2.49	-	46.14	36.75	8.14	34.81
PK	7.43894G	48.90	74.00	-25.10	9.91	3	Horizontal	231	1.79	-	38.99	36.60	8.16	34.85

Radiated Emissions above 1GHz_Mode 2



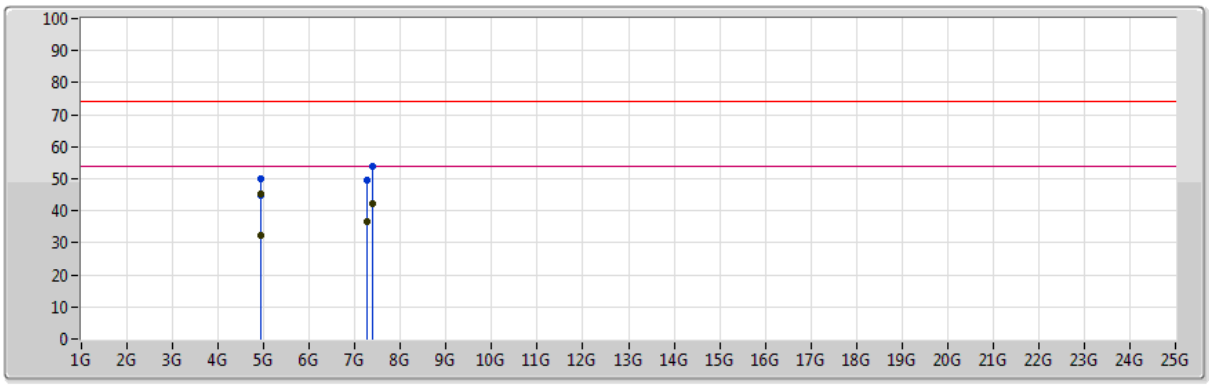
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.95902G	39.34	54.00	-14.66	5.07	3	Vertical	103	1.03	-	34.27	33.14	6.36	34.43
AV	7.44101G	38.00	54.00	-16.00	9.92	3	Vertical	14	1.47	-	28.08	36.60	8.17	34.85
AV	15.7212G	48.86	54.00	-5.14	15.54	3	Vertical	353	1.93	-	33.32	38.42	11.71	34.59
PK	4.95893G	49.36	74.00	-24.64	5.07	3	Vertical	103	1.03	-	44.29	33.14	6.36	34.43
PK	7.44076G	48.60	74.00	-25.40	9.92	3	Vertical	14	1.47	-	38.68	36.60	8.17	34.85
PK	10.47778G	55.85	68.20	-12.35	13.66	3	Vertical	328	1.00	-	42.19	38.62	9.55	34.51
PK	15.72294G	61.36	74.00	-12.64	15.54	3	Vertical	353	1.93	-	45.82	38.42	11.71	34.59

Radiated Emissions above 1GHz_Mode 2



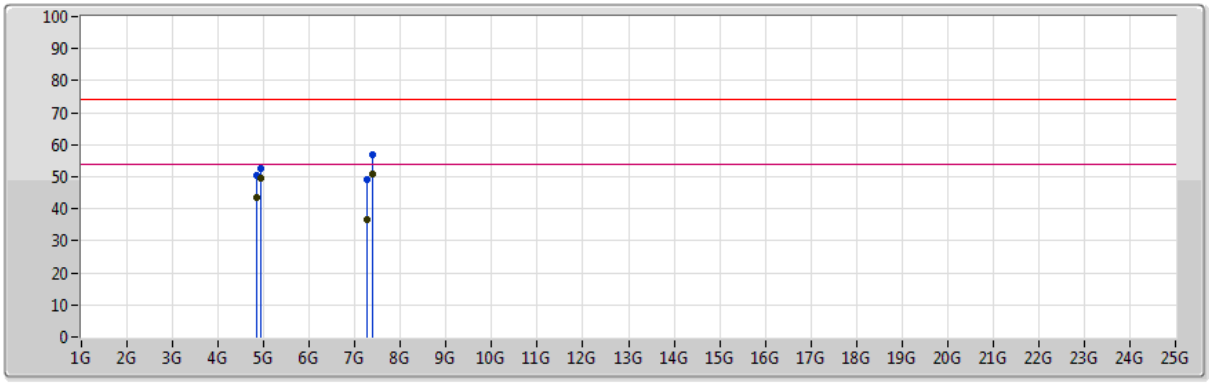
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.95908G	39.42	54.00	-14.58	5.07	3	Horizontal	104	1.05	-	34.35	33.14	6.36	34.43
AV	7.43944G	38.06	54.00	-15.94	9.92	3	Horizontal	280	1.53	-	28.14	36.60	8.17	34.85
AV	15.71766G	50.84	54.00	-3.16	15.54	3	Horizontal	300	1.02	-	35.30	38.42	11.71	34.59
PK	4.95917G	49.21	74.00	-24.79	5.07	3	Horizontal	104	1.05	-	44.14	33.14	6.36	34.43
PK	7.43873G	49.01	74.00	-24.99	9.91	3	Horizontal	280	1.53	-	39.10	36.60	8.16	34.85
PK	10.47688G	57.35	68.20	-10.85	13.65	3	Horizontal	51	2.81	-	43.70	38.62	9.55	34.52
PK	15.71742G	63.52	74.00	-10.48	15.54	3	Horizontal	300	1.02	-	47.98	38.42	11.71	34.59

Radiated Emissions above 1GHz_Mode 3



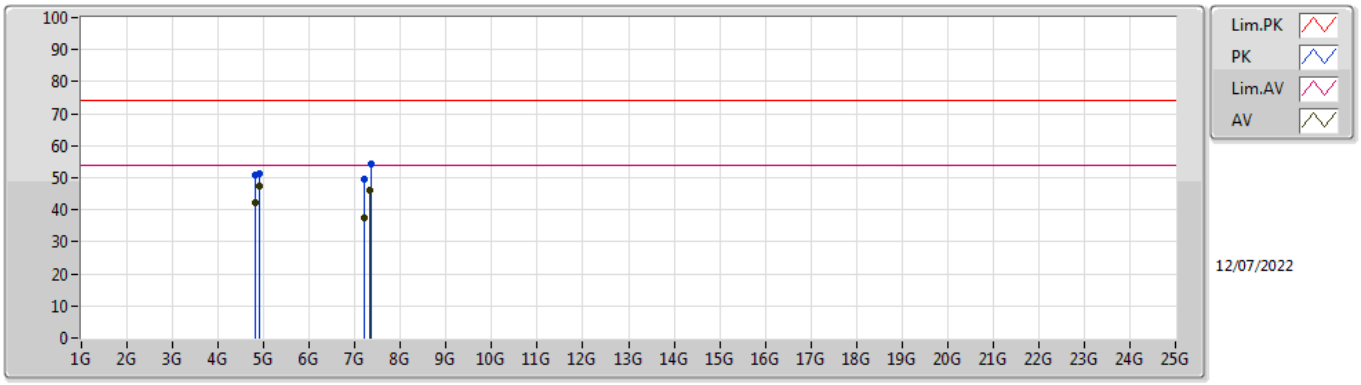
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.92401G	45.38	54.00	-8.62	4.83	3	Vertical	36	1.26	-	40.55	32.94	6.33	34.44
AV	4.929G	32.27	54.00	-21.73	4.87	3	Vertical	65	2.26	-	27.40	32.97	6.34	34.44
AV	7.272G	36.79	54.00	-17.21	10.16	3	Vertical	342	2.20	-	26.63	36.81	8.15	34.80
AV	7.386G	42.43	54.00	-11.57	9.96	3	Vertical	223	1.33	-	32.47	36.68	8.11	34.83
PK	4.9239G	49.92	74.00	-24.08	4.83	3	Vertical	36	1.26	-	45.09	32.94	6.33	34.44
PK	4.929G	44.71	74.00	-29.29	4.87	3	Vertical	65	2.26	-	39.84	32.97	6.34	34.44
PK	7.272G	49.58	74.00	-24.42	10.16	3	Vertical	342	2.20	-	39.42	36.81	8.15	34.80
PK	7.386G	53.67	74.00	-20.33	9.96	3	Vertical	223	1.33	-	43.71	36.68	8.11	34.83

Radiated Emissions above 1GHz_Mode 3



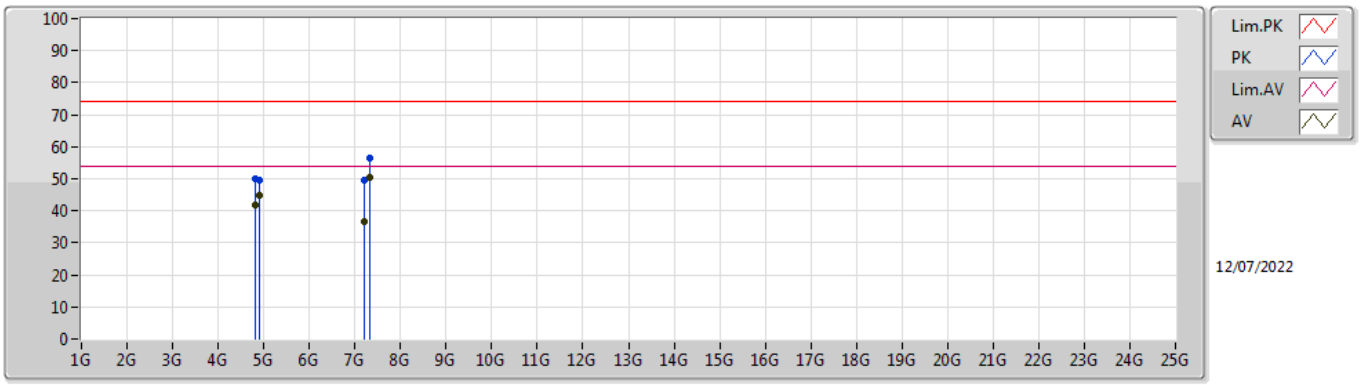
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.848G	43.40	54.00	-10.60	4.53	3	Horizontal	342	2.65	-	38.87	32.69	6.29	34.45
AV	4.924G	49.63	54.00	-4.37	4.83	3	Horizontal	353	1.50	-	44.80	32.94	6.33	34.44
AV	7.272G	36.51	54.00	-17.49	10.16	3	Horizontal	360	2.41	-	26.35	36.81	8.15	34.80
AV	7.38524G	50.87	54.00	-3.13	9.98	3	Horizontal	23	2.17	-	40.89	36.69	8.12	34.83
PK	4.848G	50.52	74.00	-23.48	4.53	3	Horizontal	342	2.65	-	45.99	32.69	6.29	34.45
PK	4.924G	52.61	74.00	-21.39	4.83	3	Horizontal	353	1.50	-	47.78	32.94	6.33	34.44
PK	7.272G	48.96	74.00	-25.04	10.16	3	Horizontal	360	2.41	-	38.80	36.81	8.15	34.80
PK	7.38671G	57.11	74.00	-16.89	9.96	3	Horizontal	23	2.17	-	47.15	36.68	8.11	34.83

Radiated Emissions above 1GHz_Mode 4



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.80795G	42.15	54.00	-11.85	4.34	3	Vertical	64	1.04	-	37.81	32.53	6.26	34.45
AV	4.89398G	47.41	54.00	-6.59	4.67	3	Vertical	47	1.47	-	42.74	32.79	6.32	34.44
AV	7.21261G	37.29	54.00	-16.71	10.23	3	Vertical	346	2.49	-	27.06	36.83	8.18	34.78
AV	7.34024G	46.01	54.00	-7.99	10.17	3	Vertical	312	1.70	-	35.84	36.86	8.13	34.82
PK	4.808G	50.71	74.00	-23.29	4.34	3	Vertical	64	1.04	-	46.37	32.53	6.26	34.45
PK	4.89394G	51.12	74.00	-22.88	4.67	3	Vertical	47	1.47	-	46.45	32.79	6.32	34.44
PK	7.2126G	49.56	74.00	-24.44	10.23	3	Vertical	346	2.49	-	39.33	36.83	8.18	34.78
PK	7.34176G	54.20	74.00	-19.80	10.18	3	Vertical	312	1.70	-	44.02	36.87	8.13	34.82

Radiated Emissions above 1GHz_Mode 4



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.80794G	41.85	54.00	-12.15	4.34	3	Horizontal	337	2.54	-	37.51	32.53	6.26	34.45
AV	4.89394G	44.99	54.00	-9.01	4.67	3	Horizontal	347	2.12	-	40.32	32.79	6.32	34.44
AV	7.21147G	36.56	54.00	-17.44	10.22	3	Horizontal	0	2.26	-	26.34	36.82	8.18	34.78
AV	7.34022G	50.51	54.00	-3.49	10.17	3	Horizontal	23	2.67	-	40.34	36.86	8.13	34.82
PK	4.80742G	50.17	74.00	-23.83	4.34	3	Horizontal	337	2.54	-	45.83	32.53	6.26	34.45
PK	4.89408G	49.39	74.00	-24.61	4.67	3	Horizontal	347	2.12	-	44.72	32.79	6.32	34.44
PK	7.21306G	49.60	74.00	-24.40	10.23	3	Horizontal	0	2.26	-	39.37	36.83	8.18	34.78
PK	7.34026G	56.41	74.00	-17.59	10.17	3	Horizontal	23	2.67	-	46.24	36.86	8.13	34.82