FCC Radio Test Report

FCC ID	:	**2AMJS-SRX01**
Contains FCC ID	:	**XMR201909EG95NAX**
Equipment	:	**Occupant Care Device**
Brand Name	:	**Robert Bosch LLC**
Model Name	:	**RideCare companion**
Applicant	:	**Robert Bosch LLC 15000 N Haggerty Rd, Plymouth,Michigan,USA, Zip - 48170**
Manufacturer	:	**Chicony Electronics Co., Ltd 36F., No. 69, Sec 2, Guangfu Rd., Sanchong Dist., New Taipei City 241, Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Aug. 11, 2022, and testing was started from Aug. 19, 2022 and completed on Oct. 08, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR272002AC	01	Initial issue of report	Dec. 01, 2022

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Only employ battery power.
3.1	15.247(a)	DTS Bandwidth	PASS	-
3.2	15.247(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(e)	Power Spectral Density	PASS	-
3.4	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.5	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

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

Reviewed by: Ryan Hsiao

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20)	2412-2462	1-11 [11]

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	PSA	RFPCA191903IMAB302	PCB antenna	I-PEX	2.4G+BT
2	PSA	RFFPA714105IMTB301	FPC antenna	I-PEX	LTE_Main
3	PSA	RFFPA804609IMTB301	FPC antenna	I-PEX	LTE_AUX
4	PSA	GPSGLONASS63N-S3-00-A	PATCH antenna	I-PEX	GPS

Ant.	Port	Gain (dBi)			
		2.4G	BT	LTE	GPS
1	1	-0.35	-0.35	-	-
2	1	-	-	1.66	-
3	2	-	-	1.55	-
4	1	-	-	-	1.17

Note 1: The EUT has four antennas.

For 2.4GHz function:

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

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

For BT function:

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

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

1.1.3 EUT Information

Operational Condition					
EUT Power Type	From Car Charger / Battery				
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	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	0.908	0.42	1.43m	1k
802.11n HT20_Nss1,(MCS0)_1TX	0.903	0.44	1.338m	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	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
(TAF: 3785**)**	**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**
RF Conducted	TH06-HY	XieXun	20~27°C / 50~60%	23/Aug/2022
Radiated (Below 1GHz)	03CH03-HY	Edward Wang	21.4~23.1°C / 57~62%	07/Oct/2022~08/Oct/2022
☒ Wen 33rd.St.	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
(TAF: 3785**)**	**TEL:** 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated (Above 1GHz)	03CH09-HY	Lego Lin	23.5~26.2°C / 48~58%	19/Aug/2022~22/Aug/2022

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**
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	Tera Term Version 4.76

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	71
2417MHz	72
2437MHz	80
2457MHz	74
2462MHz	74
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	56
2417MHz	63
2437MHz	80
2457MHz	72
2462MHz	72
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	61
2417MHz	69
2437MHz	80
2457MHz	78
2462MHz	71

2.2 The Worst Case Measurement Configuration

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

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

2.3 Accessories

Accessories				
Car Charger	Brand Name	BOSCH	Model Name	SYD1220
	Power Rating	I/P: 8 – 16 Vac, 4 A, O/P: 12.0 / 5.0 Vdc, 1.5 / 2.1 A		
	Power Cord	3.5 meter, non-shielded cable, w/o ferrite core		
Battery	Brand Name	ShenZhen Co., Ltd.	Model Name	683030
	Power Rating	3.8 Vdc, 700 mAh	Type	Li-ion, Yes
Mounting Bracket Asm	Brand Name	NA	Model Name	NA

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

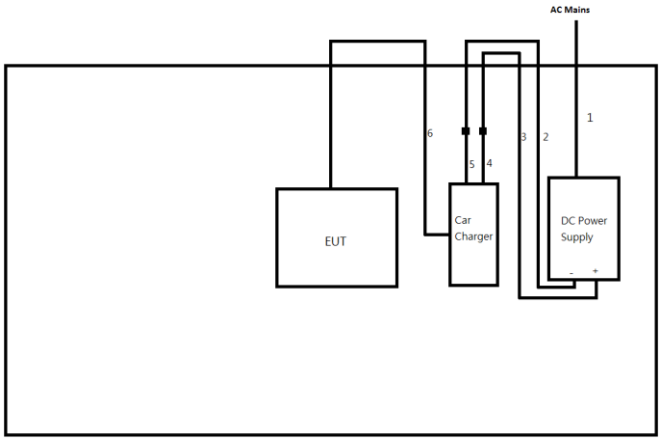
2.4 Support Equipment

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	DC Power Supply	GW	GPS-3030DD	-	-
2	DC Power cable(Rad)	MiSUMi	WTN1228-RED	-	-
3	DC Power cable(Black)	MiSUMi	WTN1228-BLACK	-	-

2.5 Test Setup Diagram

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	0.15	-
5	DC Power cable(+)	No	0.15	-
6	DC Power cable	No	3.5	-

3 Transmitter Test Result

3.1 DTS Bandwidth

3.1.1 6dB Bandwidth Limit

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

3.1.2 Measuring Instruments

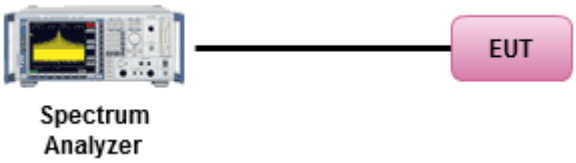
Refer a test equipment and calibration data table in this test report.

3.1.3 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.

3.1.4 Test Setup

Emission Bandwidth



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit			
	▪ If G_{TX} ≤ 6 dBi, then P_{Out} ≤ 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 + 8dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W)		
	▪ Point-to-point systems (P2P): P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX}]) dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Overlap beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Aggregate power on all beams: P_{eirp} ≤ 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.			

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☐ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Power Spectral Density Limit

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

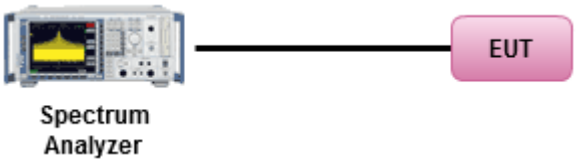
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Emissions in Non-restricted Frequency Bands

3.4.1 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.	

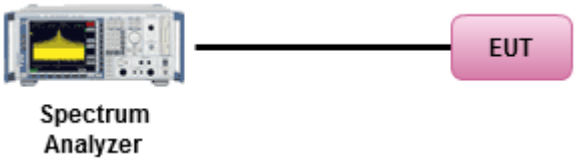
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.4.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.5 Emissions in Restricted Frequency Bands

3.5.1 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.

3.5.2 Measuring Instruments

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

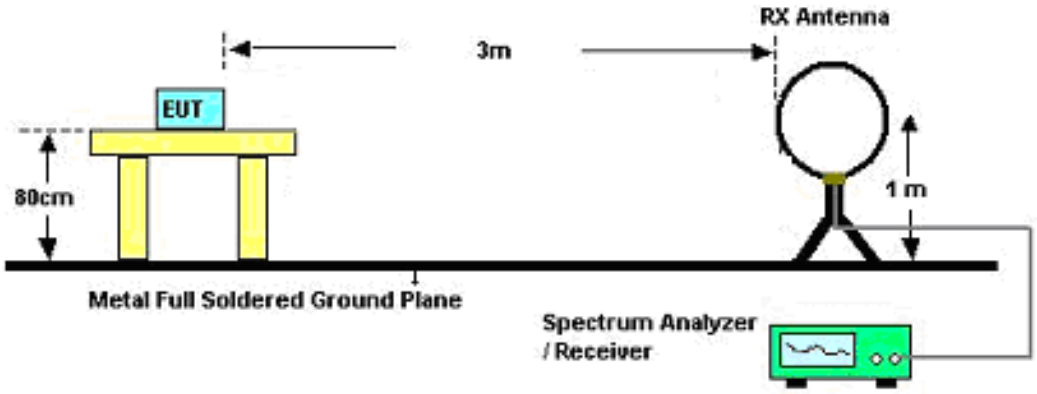
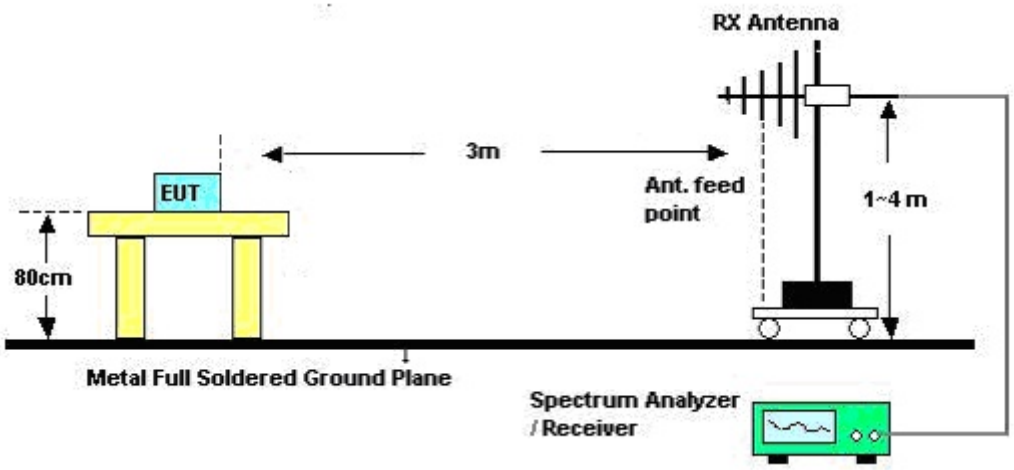
3.5.3 Test Procedures

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.

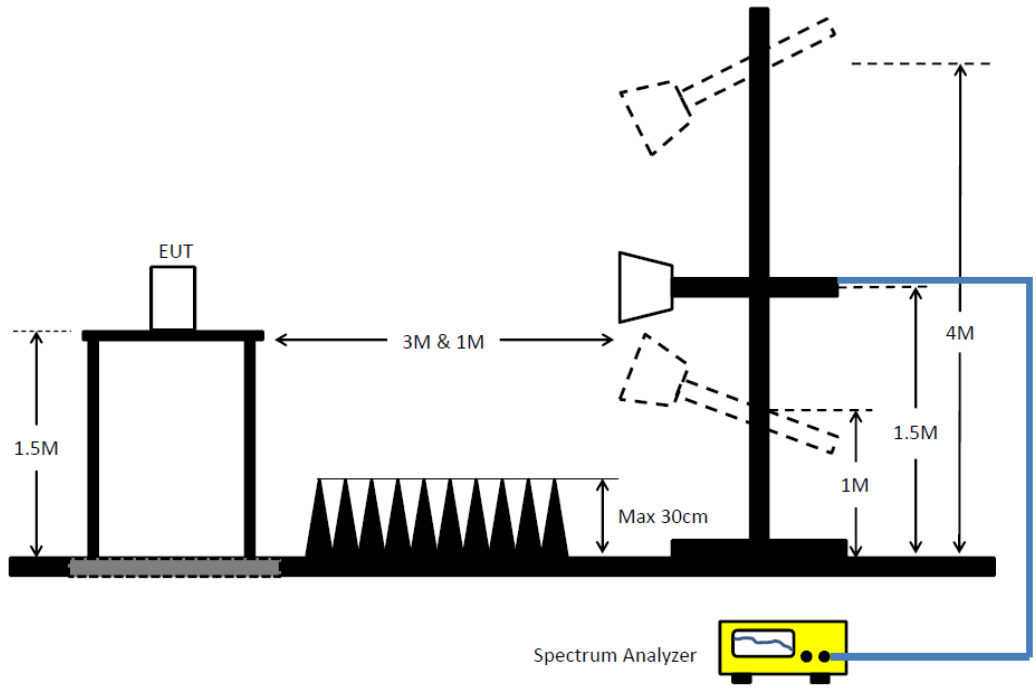
3.5.4 Measurement Results Calculation

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

3.5.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.6 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.

3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2022	24/Mar/2023
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2022	24/Mar/2023
SENSE-15247_DTS	Sporton	V5.10.8.3	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH03-HY)

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	01/Aug/2022	31/Jul/2023
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
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
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
SENSE-15247_DTS	Sporton	NA	5.10.7.17	NA	NA	NA

Instrument for Radiated Test (03CH09-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	SG56070103	10Hz~44GHz	05/Nov/2021	04/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
SENSE-15247_DTS	Sporton	NA	5.10.7.17	NA	NA	NA

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	8.55M	15.142M	15M2G1D	8M	12.394M
802.11g_Nss1,(6Mbps)_1TX	16.05M	22.964M	23M0D1D	15.1M	16.517M
802.11n HT20_Nss1,(MCS0)_1TX	16.075M	22.814M	22M9D1D	15.075M	17.491M

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

Result

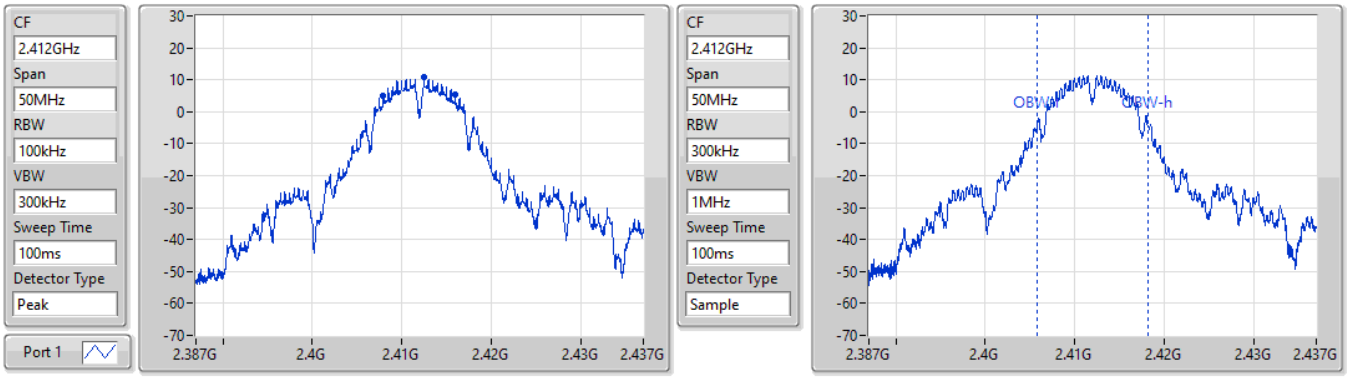
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	8.05M	12.394M
2437MHz	Pass	500k	8.55M	15.142M
2462MHz	Pass	500k	8M	12.644M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.05M	16.767M
2437MHz	Pass	500k	15.65M	22.964M
2462MHz	Pass	500k	15.1M	16.517M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.075M	17.866M
2437MHz	Pass	500k	15.15M	22.814M
2462MHz	Pass	500k	15.075M	17.491M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

23/08/2022

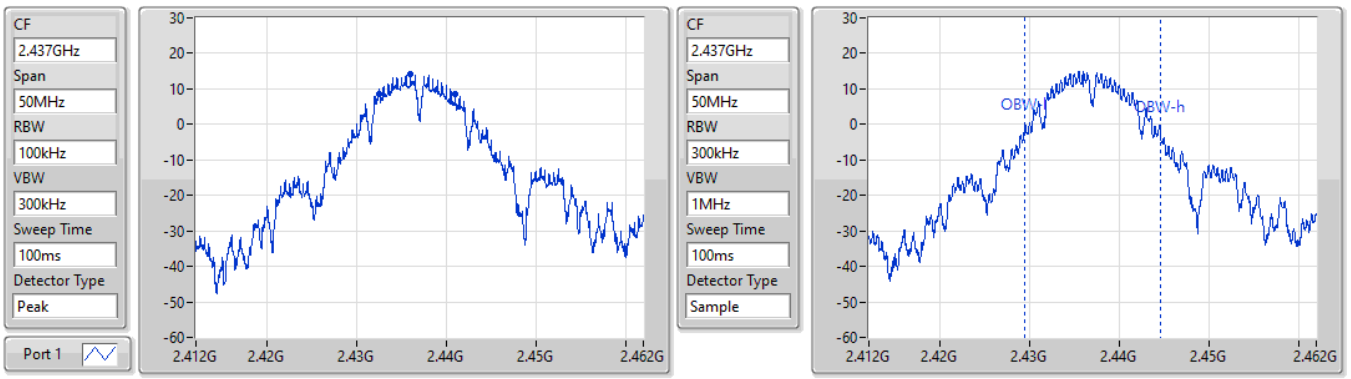


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.40795G	2.416G	12.394M	2.405803G	2.418197G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

23/08/2022

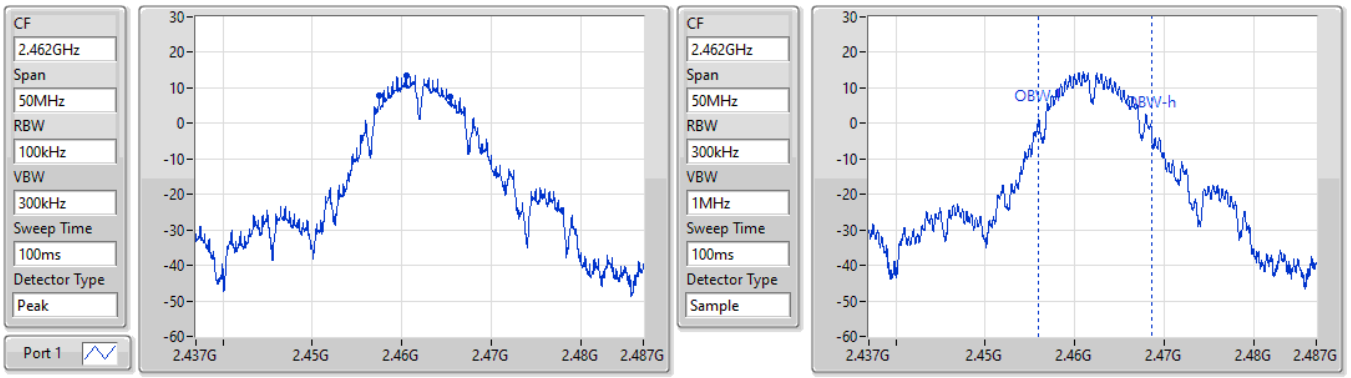


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.432425G	2.440975G	15.142M	2.429429G	2.444571G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

23/08/2022

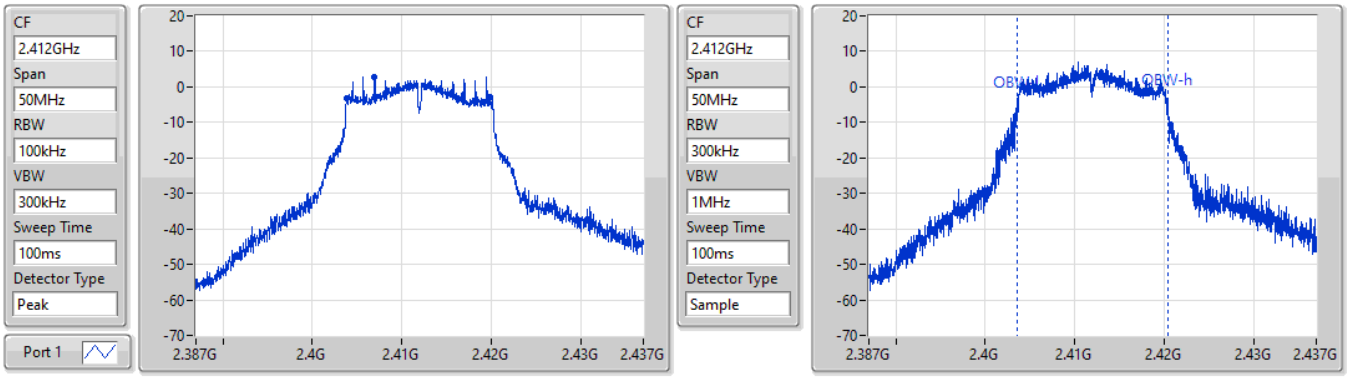


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.457475G	2.465475G	12.644M	2.455903G	2.468547G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

23/08/2022

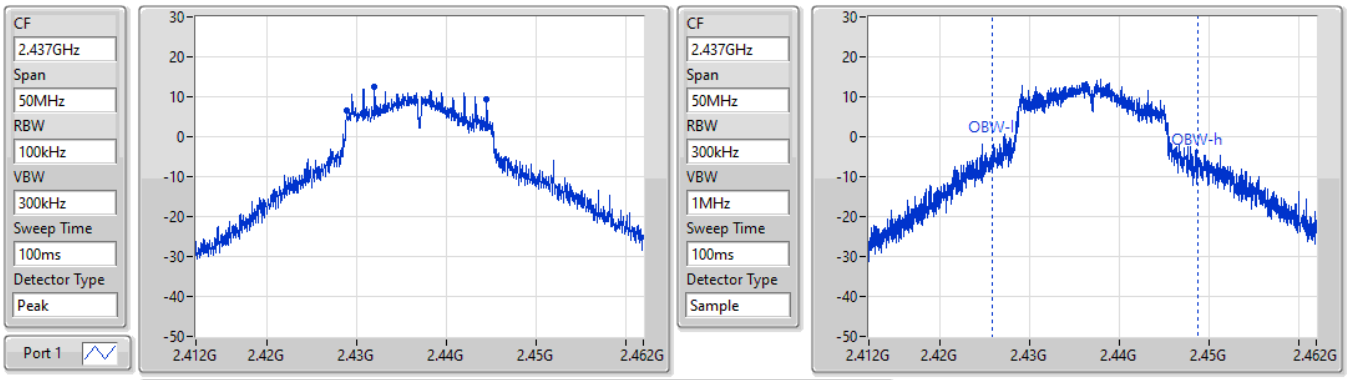


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.403825G	2.419875G	16.767M	2.403604G	2.420371G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

23/08/2022

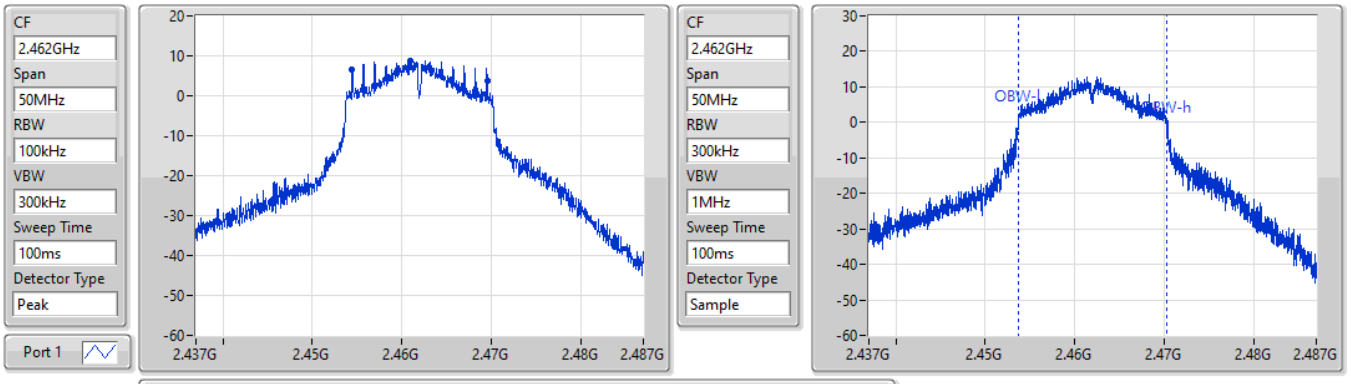


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.65M	2.42885G	2.4445G	22.964M	2.425831G	2.448794G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

23/08/2022

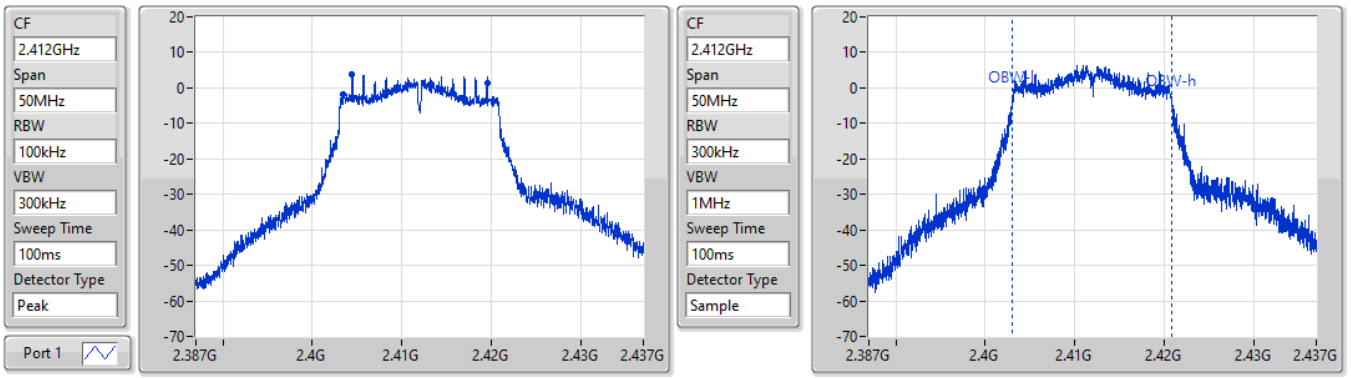


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.45445G	2.46955G	16.517M	2.453729G	2.470246G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

23/08/2022

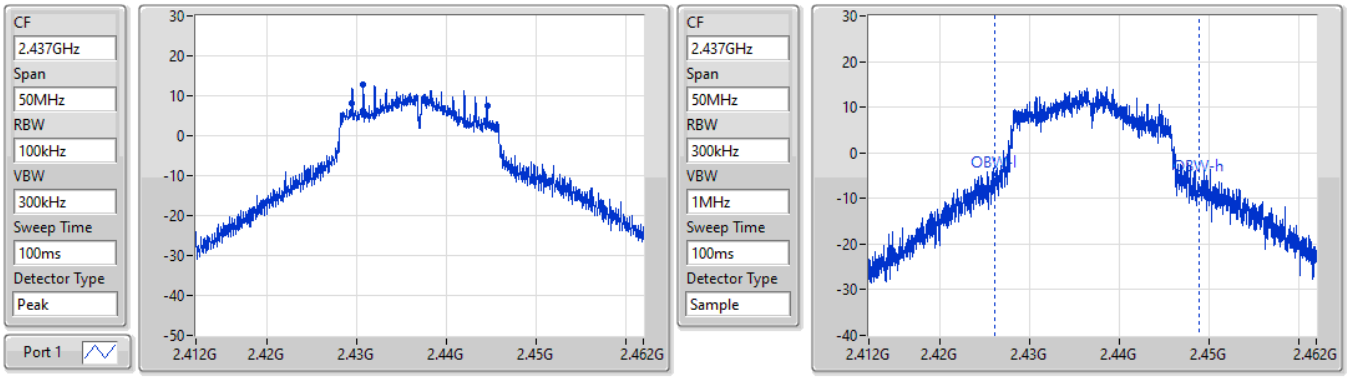


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.075M	2.403475G	2.41955G	17.866M	2.403029G	2.420896G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

23/08/2022

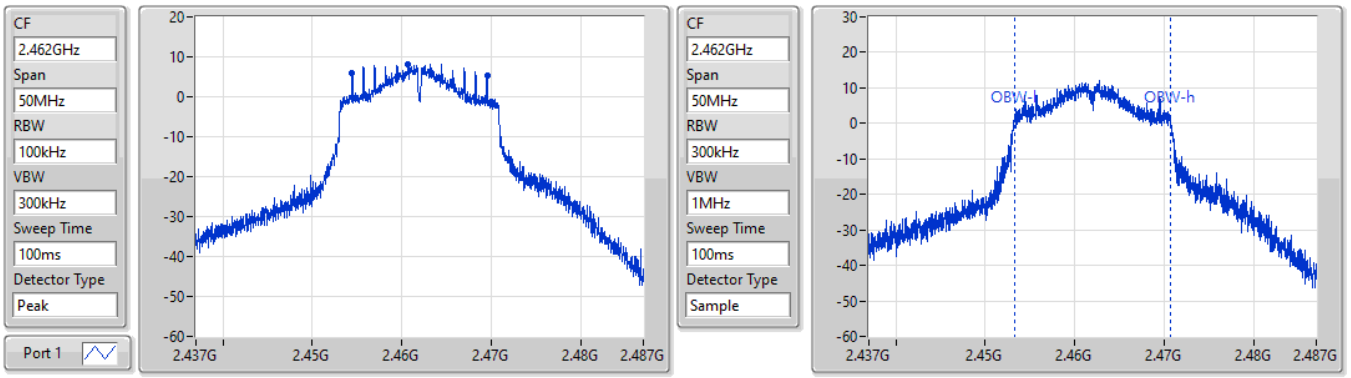


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.15M	2.4294G	2.44455G	22.814M	2.42613G	2.448944G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2462MHz

23/08/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.45445G	2.469525G	17.491M	2.453229G	2.470721G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.84	0.19231
802.11g_Nss1,(6Mbps)_1TX	22.17	0.16482
802.11n HT20_Nss1,(MCS0)_1TX	22.34	0.17140

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-0.35	19.28	19.28	30.00
2417MHz	Pass	-0.35	19.36	19.36	30.00
2437MHz	Pass	-0.35	22.84	22.84	30.00
2457MHz	Pass	-0.35	21.79	21.79	30.00
2462MHz	Pass	-0.35	22.00	22.00	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-0.35	14.20	14.20	30.00
2417MHz	Pass	-0.35	16.11	16.11	30.00
2437MHz	Pass	-0.35	22.17	22.17	30.00
2457MHz	Pass	-0.35	19.82	19.82	30.00
2462MHz	Pass	-0.35	19.97	19.97	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	-0.35	14.80	14.80	30.00
2417MHz	Pass	-0.35	17.10	17.10	30.00
2437MHz	Pass	-0.35	22.34	22.34	30.00
2457MHz	Pass	-0.35	21.19	21.19	30.00
2462MHz	Pass	-0.35	19.17	19.17	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	-0.54
802.11g_Nss1,(6Mbps)_1TX	-0.68
802.11n HT20_Nss1,(MCS0)_1TX	-2.27

RBW = 3kHz;

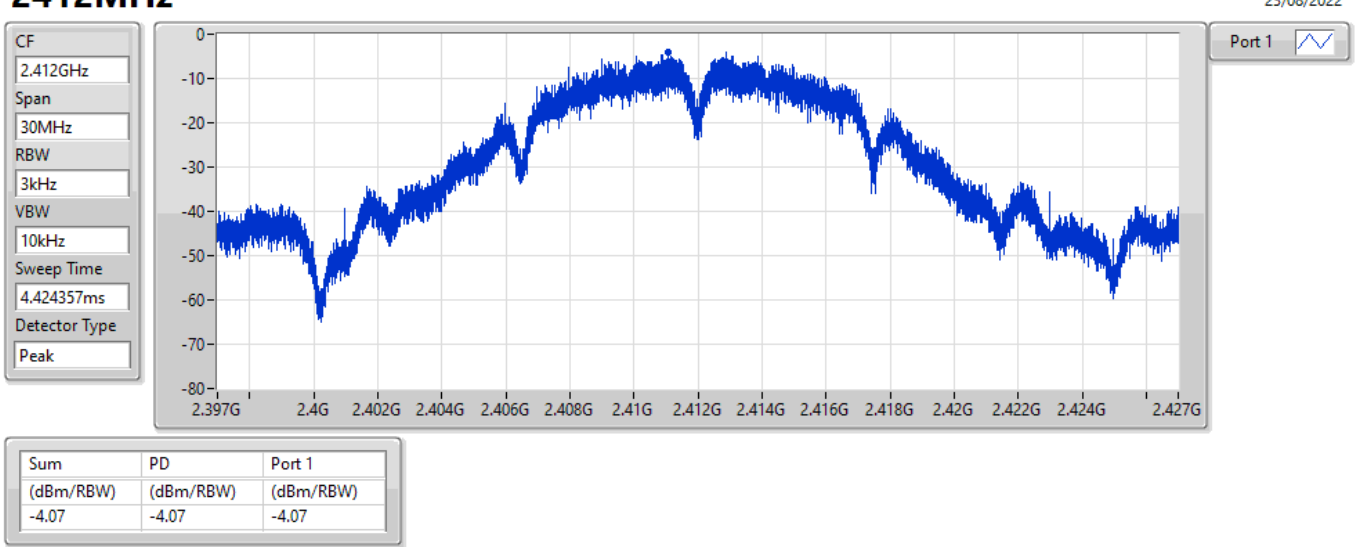
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-0.35	-4.07	-4.07	8.00
2437MHz	Pass	-0.35	-0.78	-0.78	8.00
2462MHz	Pass	-0.35	-0.54	-0.54	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-0.35	-8.90	-8.90	8.00
2437MHz	Pass	-0.35	-0.68	-0.68	8.00
2462MHz	Pass	-0.35	-3.84	-3.84	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	-0.35	-10.32	-10.32	8.00
2437MHz	Pass	-0.35	-2.27	-2.27	8.00
2462MHz	Pass	-0.35	-3.63	-3.63	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

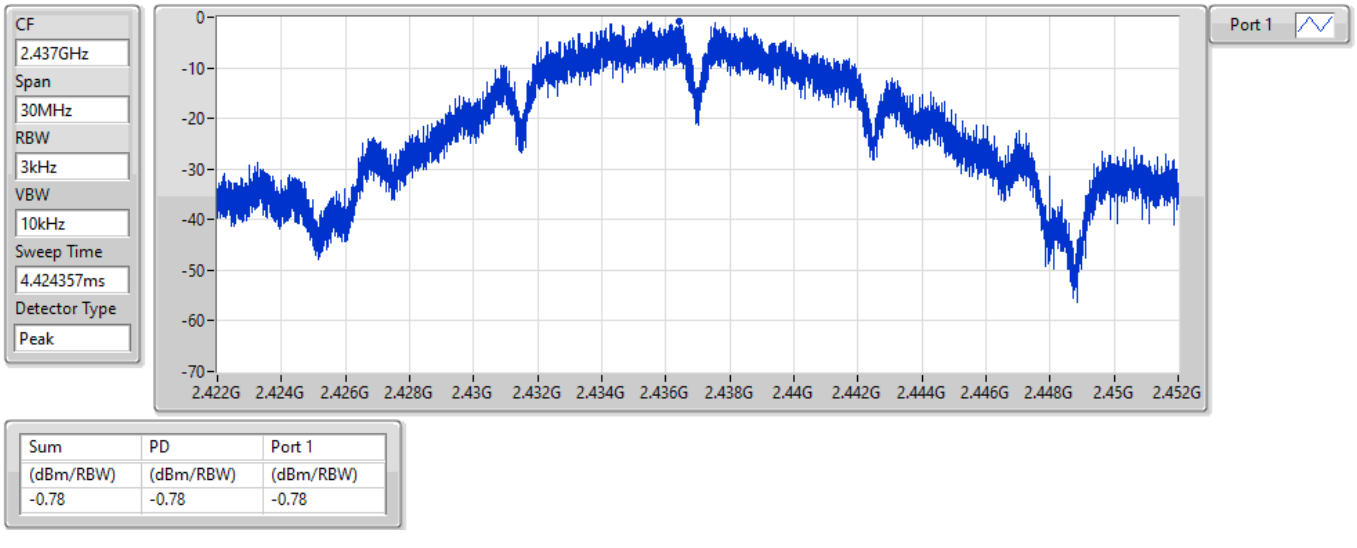
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.07	-4.07	-4.07

802.11b_Nss1,(1Mbps)_1TX PSD

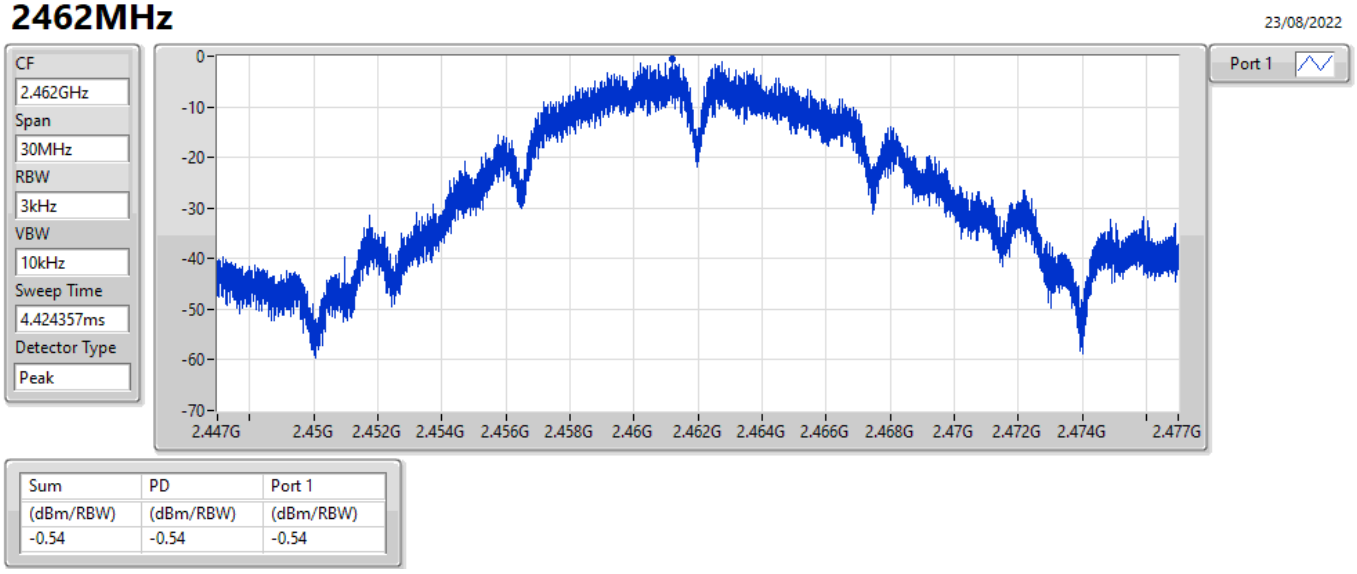
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.78	-0.78	-0.78

802.11b_Nss1,(1Mbps)_1TX PSD

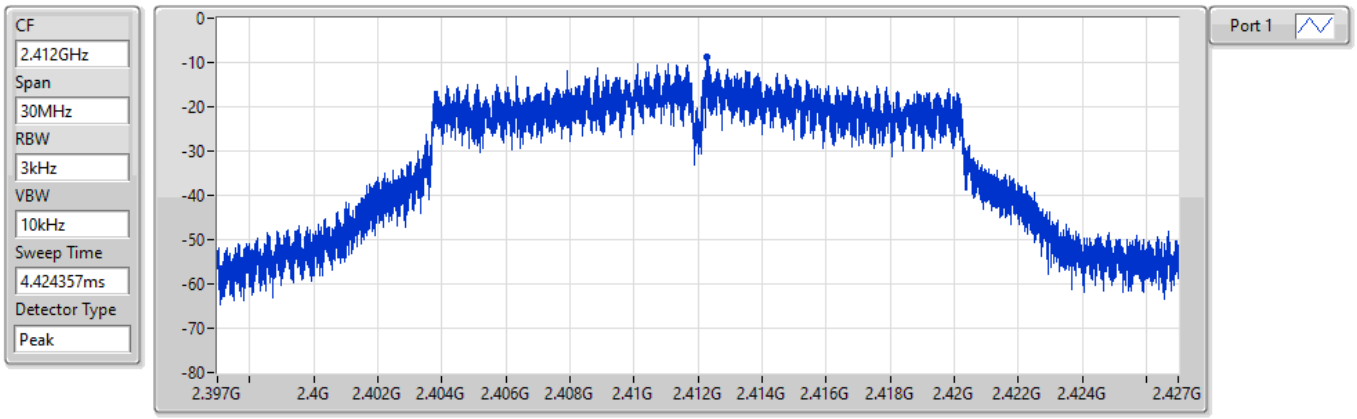
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.54	-0.54	-0.54

802.11g_Nss1,(6Mbps)_1TX PSD

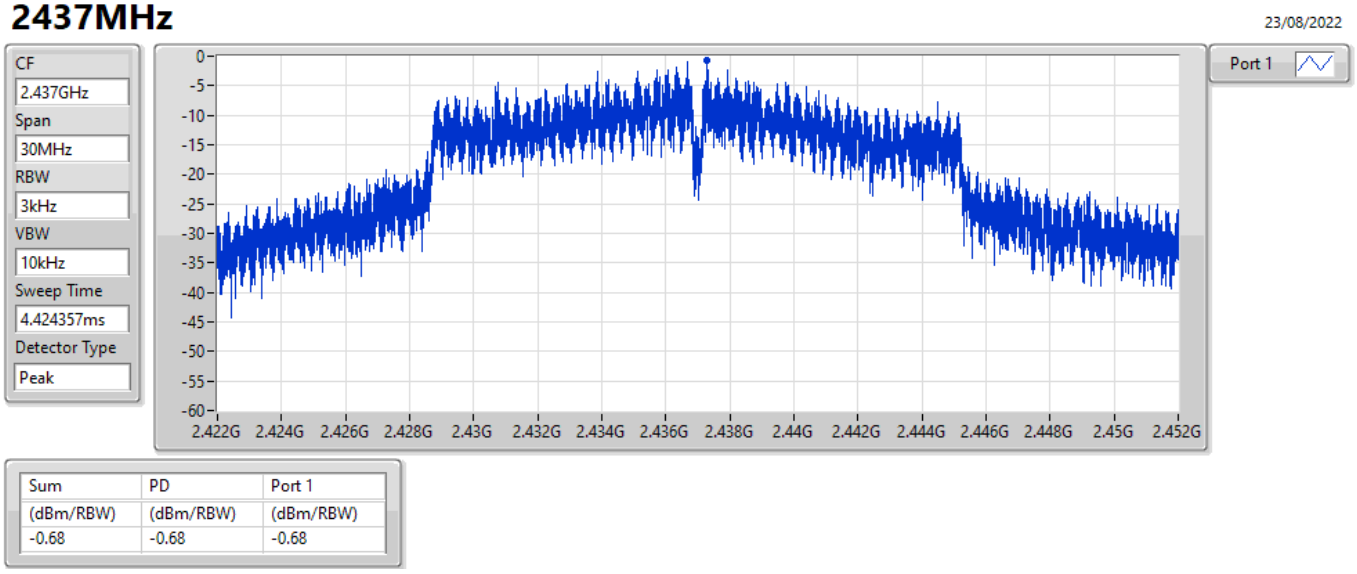
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.90	-8.90	-8.90

802.11g_Nss1,(6Mbps)_1TX PSD

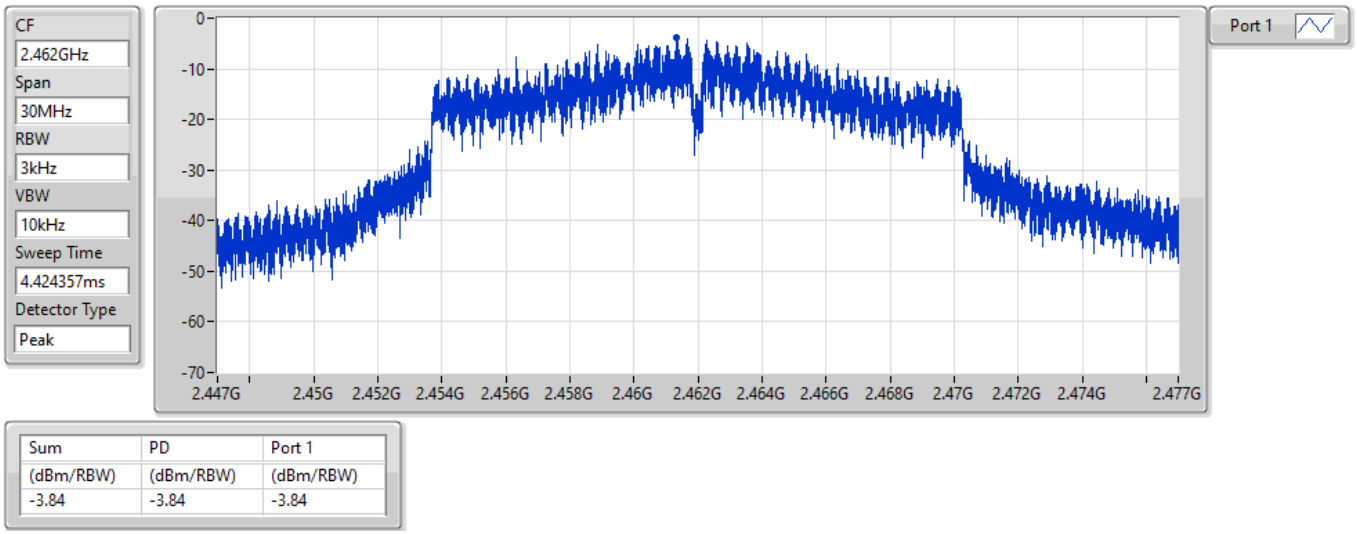
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.68	-0.68	-0.68

802.11g_Nss1,(6Mbps)_1TX PSD

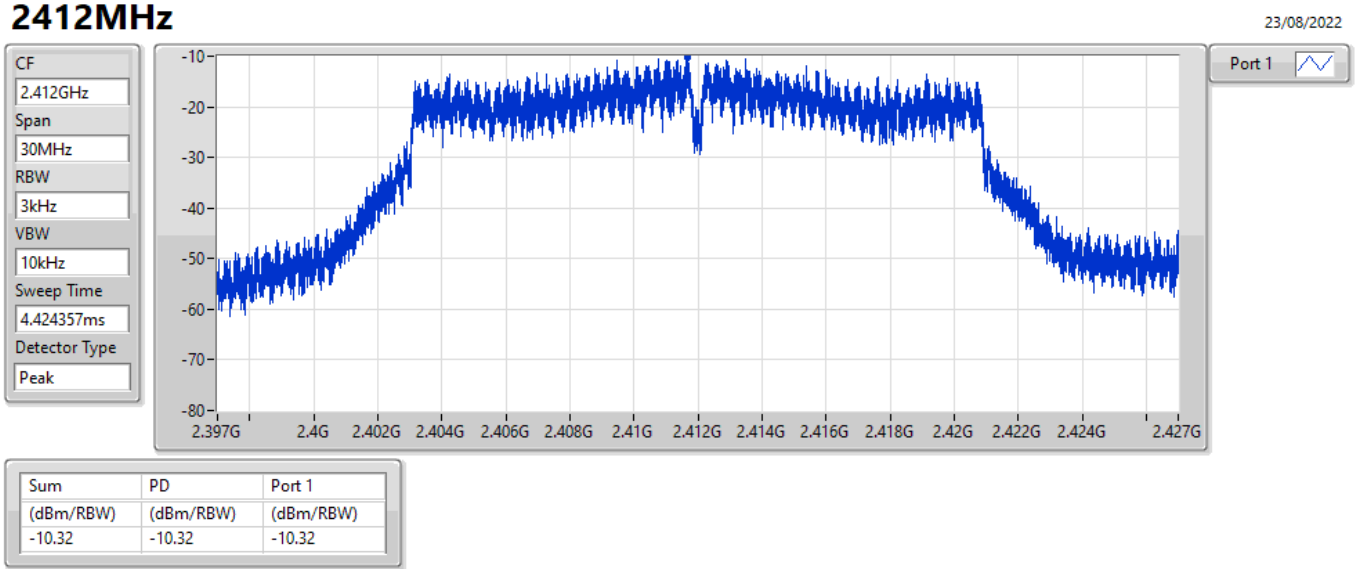
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.84	-3.84	-3.84

802.11n HT20_Nss1,(MCS0)_1TX PSD

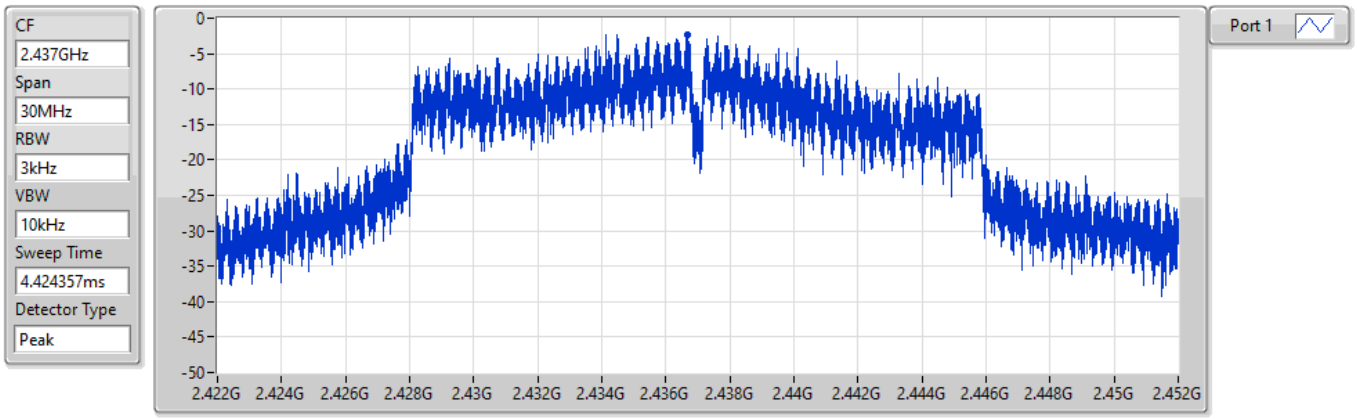
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.32	-10.32	-10.32

802.11n HT20_Nss1,(MCS0)_1TX PSD

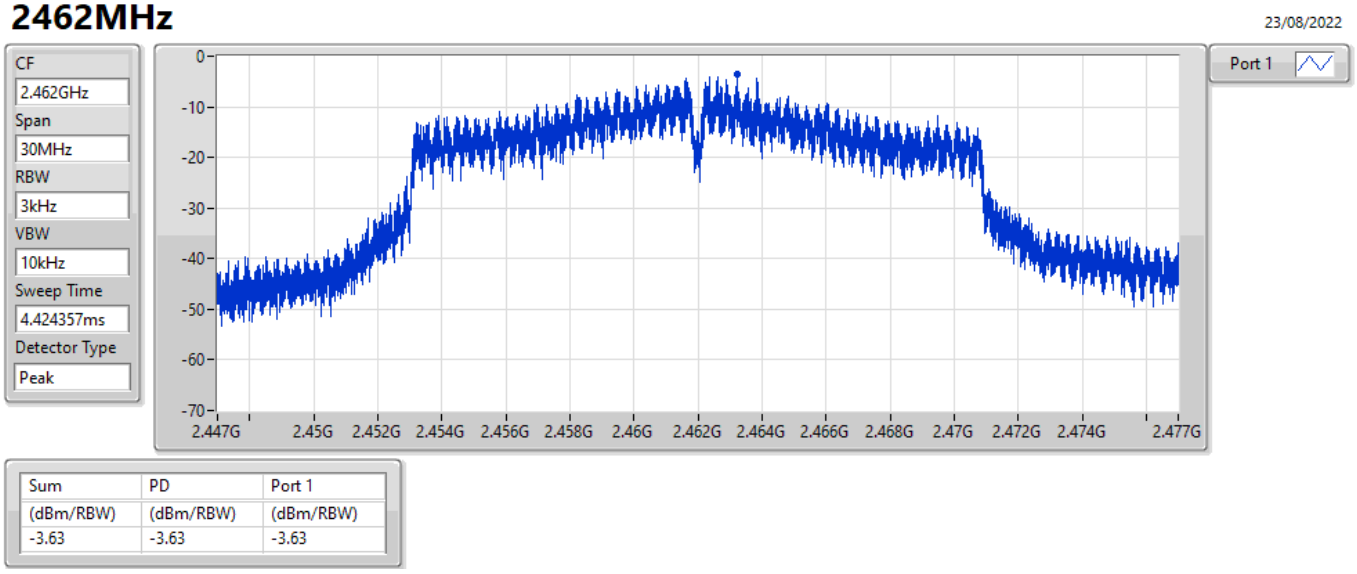
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.27	-2.27	-2.27

802.11n HT20_Nss1,(MCS0)_1TX PSD

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.63	-3.63	-3.63

Summary

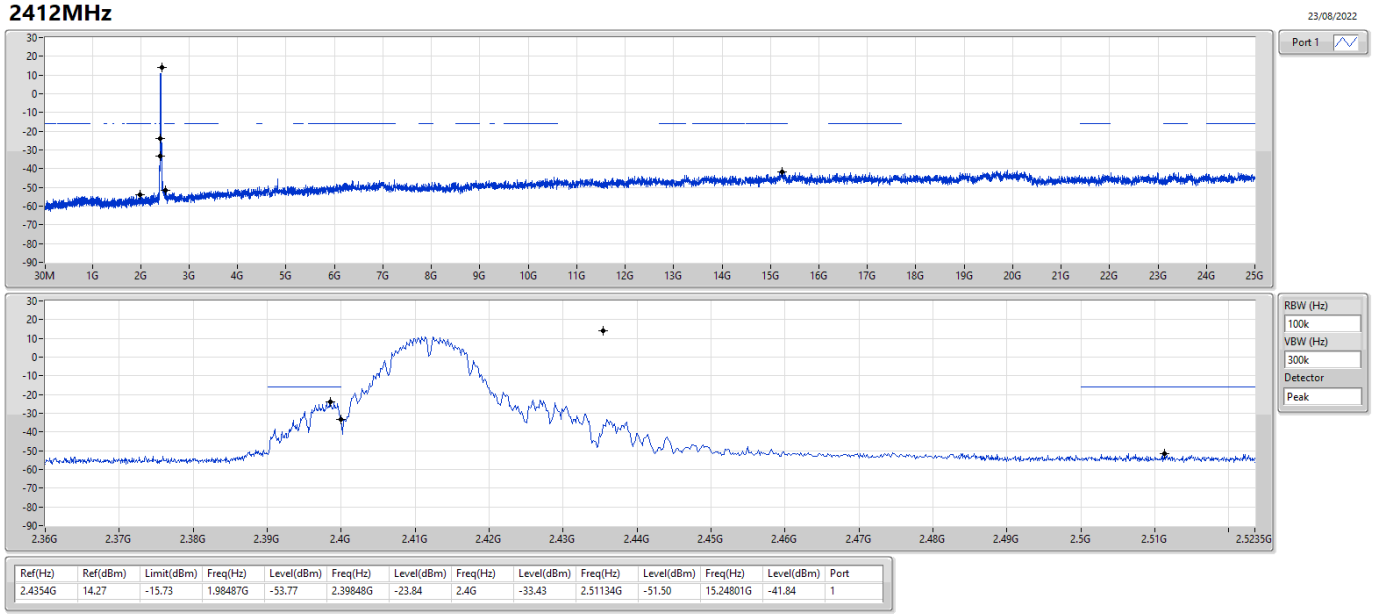
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.4354G	14.27	-15.73	1.98487G	-53.77	2.39848G	-23.84	2.4G	-33.43	2.51134G	-51.50	15.24801G	-41.84	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43073G	12.70	-17.30	815.21M	-54.05	2.39952G	-29.97	2.4G	-32.10	2.5095G	-52.39	21.98534G	-41.97	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43073G	12.69	-17.31	1.93711G	-54.12	2.39992G	-28.68	2.4G	-27.30	2.52254G	-51.99	24.81457G	-41.86	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	2.4354G	14.27	-15.73	1.98487G	-53.77	2.39848G	-23.84	2.4G	-33.43	2.51134G	-51.50	15.24801G	-41.84	1
2437MHz	Pass	2.4354G	14.27	-15.73	1.84041G	-53.77	2.4G	-31.66	2.4G	-32.93	2.51918G	-51.82	24.78928G	-41.48	1
2462MHz	Pass	2.4354G	14.27	-15.73	2.1503G	-53.34	2.39792G	-51.11	2.4G	-53.29	2.52286G	-52.13	15.25082G	-41.86	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	12.70	-17.30	815.21M	-54.05	2.39952G	-29.97	2.4G	-32.10	2.5095G	-52.39	21.98534G	-41.97	1
2437MHz	Pass	2.43073G	12.70	-17.30	2.07108G	-53.41	2.39832G	-35.48	2.4G	-35.68	2.52238G	-51.88	24.764G	-41.41	1
2462MHz	Pass	2.43073G	12.70	-17.30	1.76585G	-53.61	2.39656G	-51.64	2.4G	-53.28	2.51022G	-51.29	15.21148G	-41.73	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	12.69	-17.31	1.93711G	-54.12	2.39992G	-28.68	2.4G	-27.30	2.52254G	-51.99	24.81457G	-41.86	1
2437MHz	Pass	2.43073G	12.69	-17.31	920.06M	-54.17	2.39952G	-33.98	2.4G	-33.80	2.5175G	-52.06	15.21429G	-40.48	1
2462MHz	Pass	2.43073G	12.69	-17.31	2.30525G	-53.60	2.39912G	-52.00	2.4G	-54.25	2.50254G	-51.59	24.95224G	-40.85	1

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

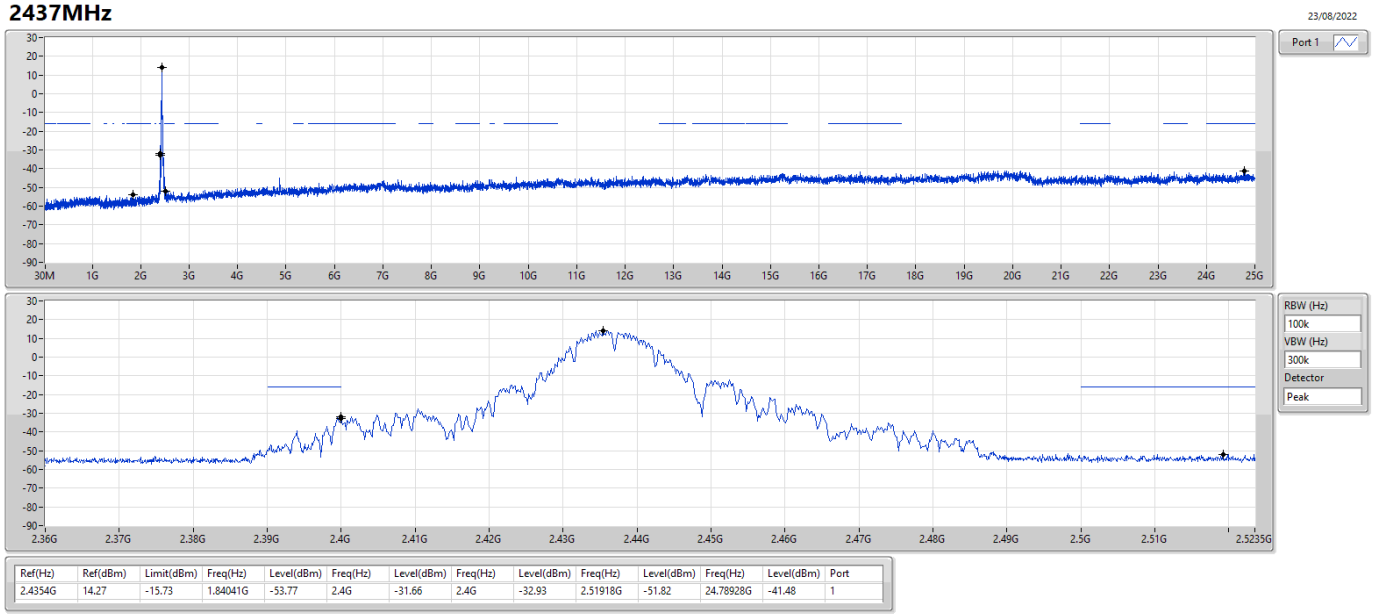
2412MHz



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
2.4354G	14.27	-15.73	1.98487G	-53.77	2.39848G	-23.84	2.4G	-33.43	2.51134G	-51.50	15.24801G	-41.84	1

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

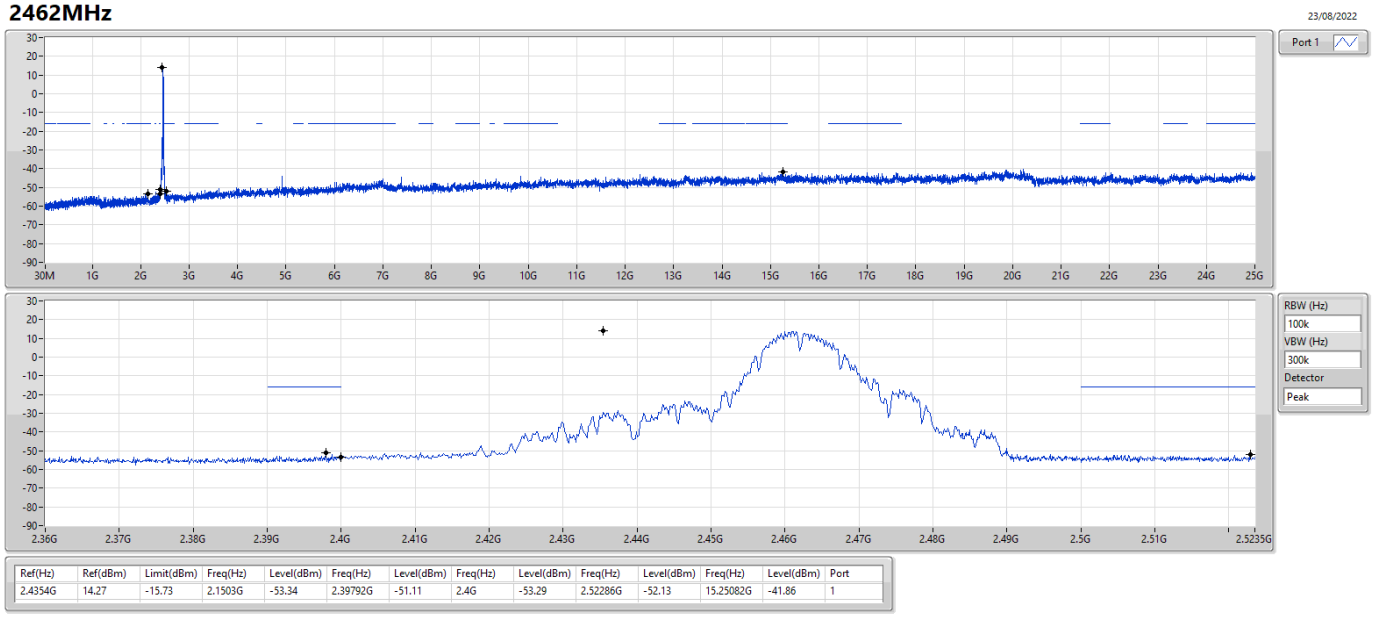
2437MHz



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
2.4354G	14.27	-15.73	1.84041G	-53.77	2.4G	-31.66	2.4G	-32.93	2.51918G	-51.82	24.78928G	-41.48	1

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

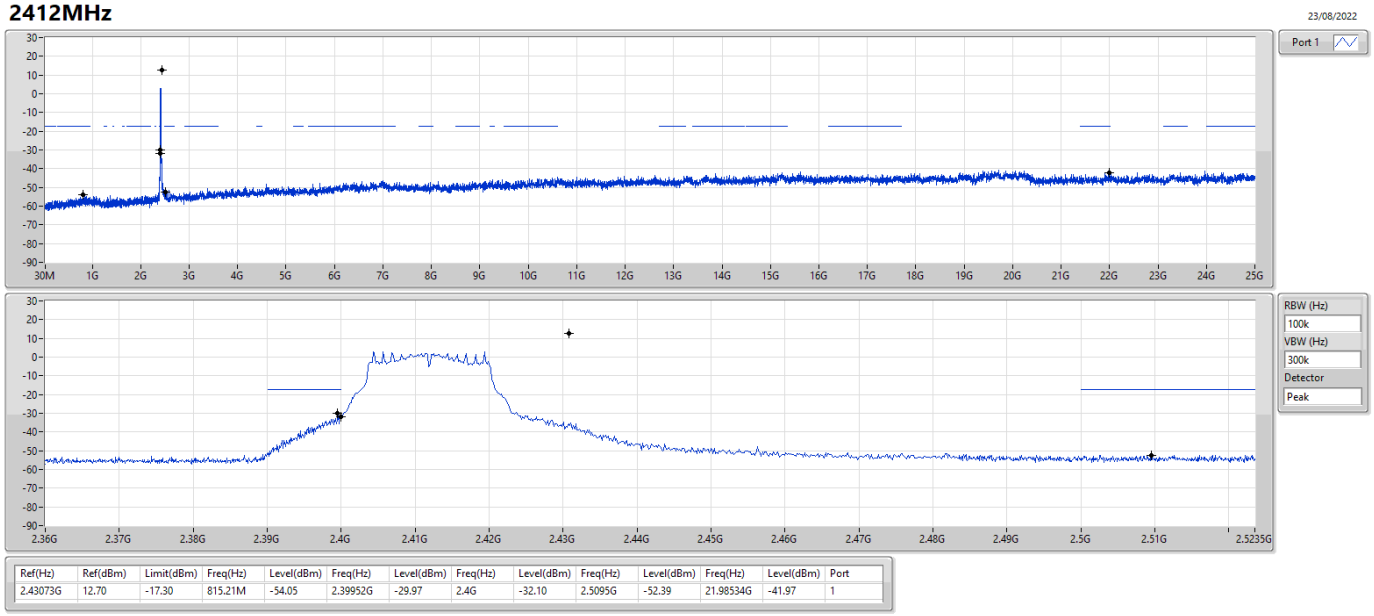
2462MHz



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
2.4354G	14.27	-15.73	2.1503G	-53.34	2.39792G	-51.11	2.4G	-53.29	2.52286G	-52.13	15.25082G	-41.86	1

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

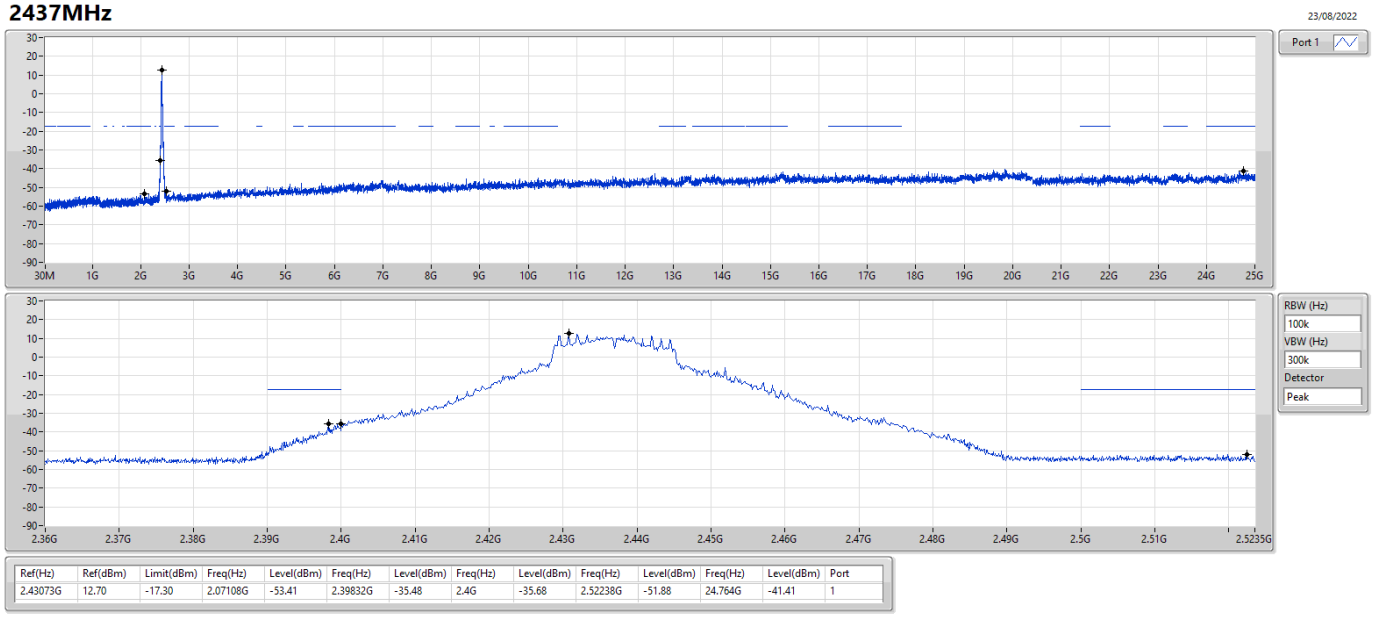
2412MHz



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
2.43073G	12.70	-17.30	815.21M	-54.05	2.39952G	-29.97	2.4G	-32.10	2.5095G	-52.39	21.98534G	-41.97	1

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

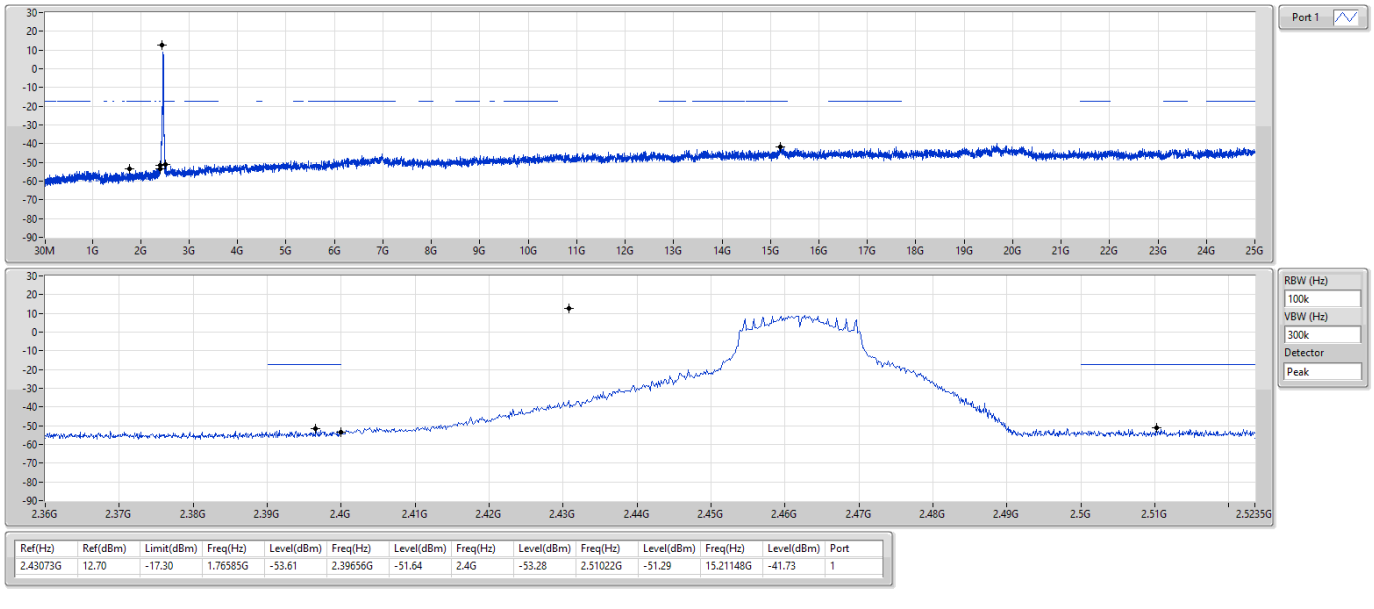
2437MHz



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
2.43073G	12.70	-17.30	2.07108G	-53.41	2.39832G	-35.48	2.4G	-35.68	2.52238G	-51.88	24.764G	-41.41	1

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

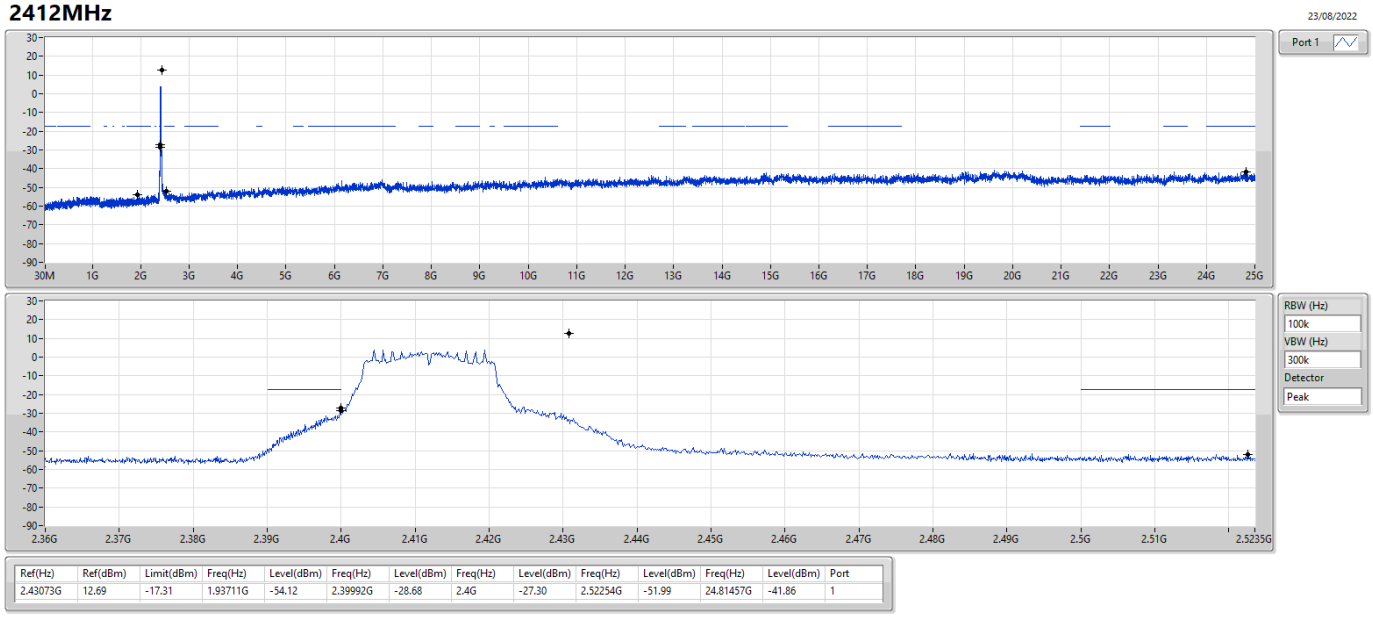
2462MHz



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
2.43073G	12.70	-17.30	1.76585G	-53.61	2.39656G	-51.64	2.4G	-53.28	2.51022G	-51.29	15.21148G	-41.73	1

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

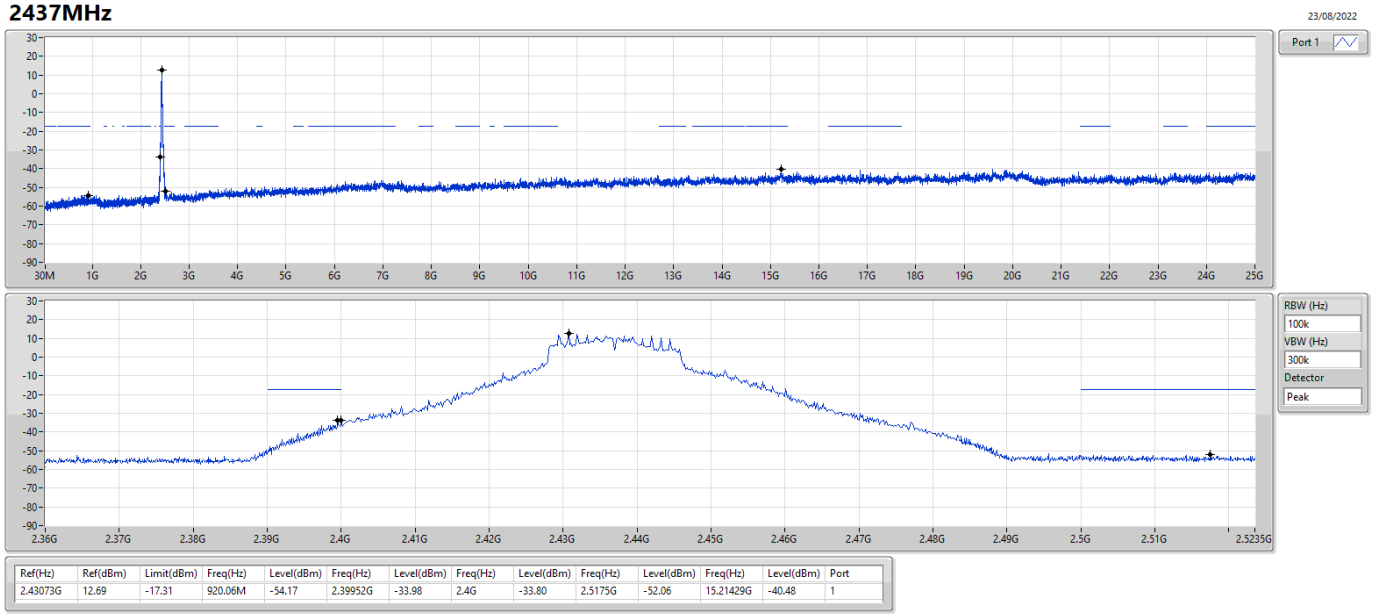
2412MHz



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
2.43073G	12.69	-17.31	1.93711G	-54.12	2.39992G	-28.68	2.4G	-27.30	2.52254G	-51.99	24.81457G	-41.86	1

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

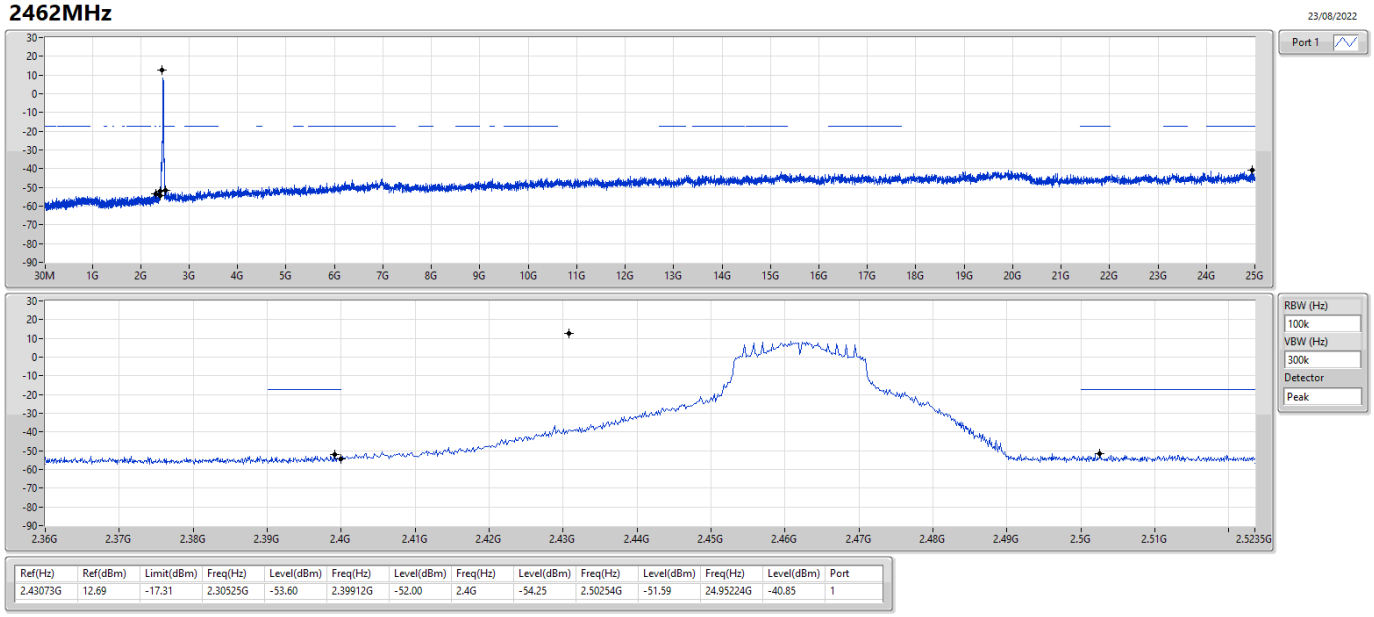
2437MHz



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
2.43073G	12.69	-17.31	920.06M	-54.17	2.39952G	-33.98	2.4G	-33.80	2.5175G	-52.06	15.21429G	-40.48	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
2.43073G	12.69	-17.31	2.30525G	-53.60	2.39912G	-52.00	2.4G	-54.25	2.50254G	-51.59	24.95224G	-40.85	1

Summary

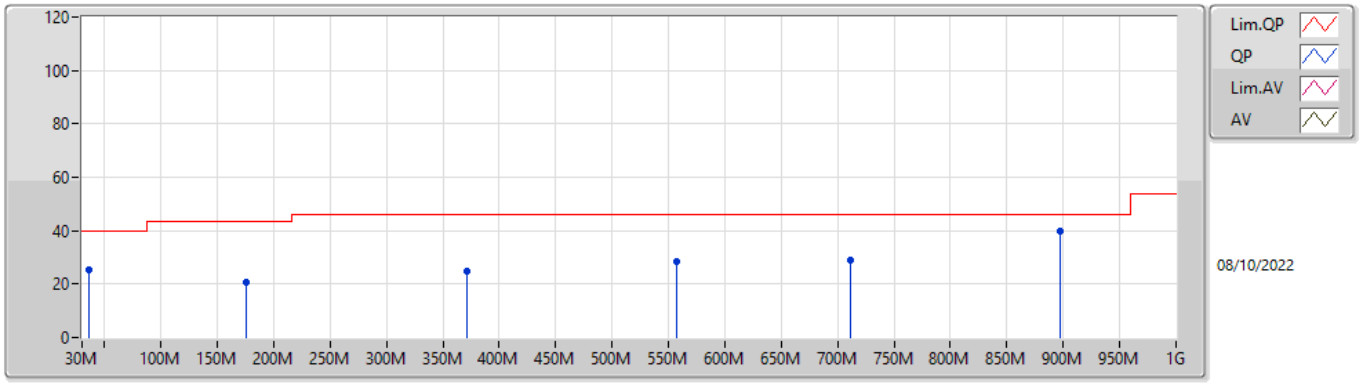
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	897.18M	39.89	46.00	-6.11	3	Vertical	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	35.82M	25.50	40.00	-14.50	3	Vertical	360	1.00	-
2437MHz	Pass	PK	175.5M	20.47	43.50	-23.03	3	Vertical	360	1.00	-
2437MHz	Pass	PK	371.44M	24.58	46.00	-21.42	3	Vertical	360	1.00	-
2437MHz	Pass	PK	557.68M	28.62	46.00	-17.38	3	Vertical	360	1.00	-
2437MHz	Pass	PK	710.94M	28.88	46.00	-17.12	3	Vertical	360	1.00	-
2437MHz	Pass	PK	897.18M	39.89	46.00	-6.11	3	Vertical	360	1.00	-
2437MHz	Pass	PK	30M	23.32	40.00	-16.68	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	169.68M	23.25	43.50	-20.25	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	249.22M	25.16	46.00	-20.84	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	472.32M	26.83	46.00	-19.17	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	542.16M	27.93	46.00	-18.07	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	897.18M	39.67	46.00	-6.33	3	Horizontal	0	1.00	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

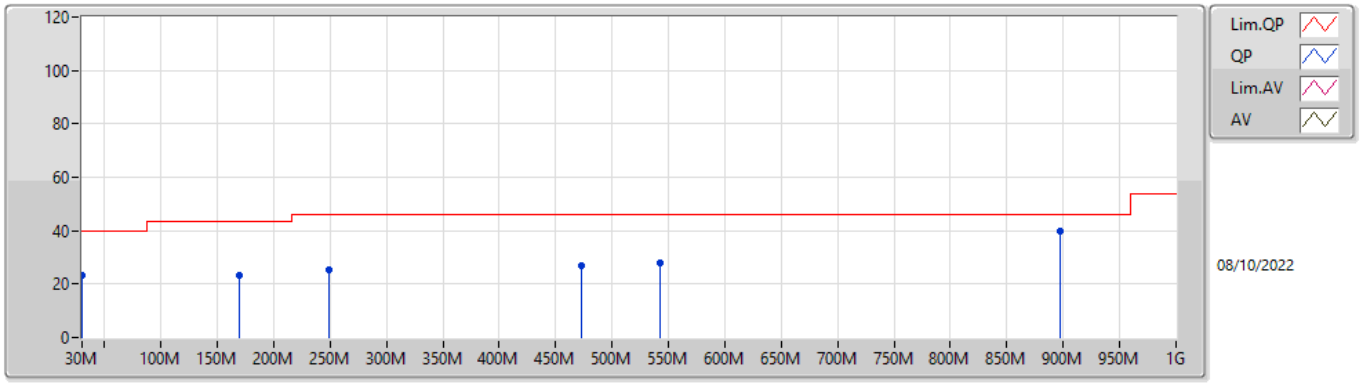
2437MHz_Car Charger



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	35.82M	25.50	40.00	-14.50	-6.24	3	Vertical	360	1.00	-	31.74	20.32	0.96	27.52
PK	175.5M	20.47	43.50	-23.03	-10.33	3	Vertical	360	1.00	-	30.80	14.50	2.19	27.02
PK	371.44M	24.58	46.00	-21.42	-3.81	3	Vertical	360	1.00	-	28.39	19.95	3.24	27.00
PK	557.68M	28.62	46.00	-17.38	0.21	3	Vertical	360	1.00	-	28.41	24.18	4.01	27.98
PK	710.94M	28.88	46.00	-17.12	1.04	3	Vertical	360	1.00	-	27.84	24.29	4.60	27.85
PK	897.18M	39.89	46.00	-6.11	3.22	3	Vertical	360	1.00	-	36.67	25.53	5.25	27.56

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Car Charger



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	23.32	40.00	-16.68	-2.94	3	Horizontal	0	1.00	-	26.26	23.76	0.88	27.58
PK	169.68M	23.25	43.50	-20.25	-10.18	3	Horizontal	0	1.00	-	33.43	14.72	2.15	27.05
PK	249.22M	25.16	46.00	-20.84	-6.61	3	Horizontal	0	1.00	-	31.77	17.44	2.63	26.68
PK	472.32M	26.83	46.00	-19.17	-1.32	3	Horizontal	0	1.00	-	28.15	22.64	3.69	27.65
PK	542.16M	27.93	46.00	-18.07	0.23	3	Horizontal	0	1.00	-	27.70	24.25	3.94	27.96
PK	897.18M	39.67	46.00	-6.33	3.22	3	Horizontal	0	1.00	-	36.45	25.53	5.25	27.56

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	2.4835G	52.67	54.00	-1.33	3	Horizontal	152	2.64	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	52.86	54.00	-1.14	3	Horizontal	162	1.83	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	52.59	54.00	-1.41	3	Horizontal	165	2.34	-

Result

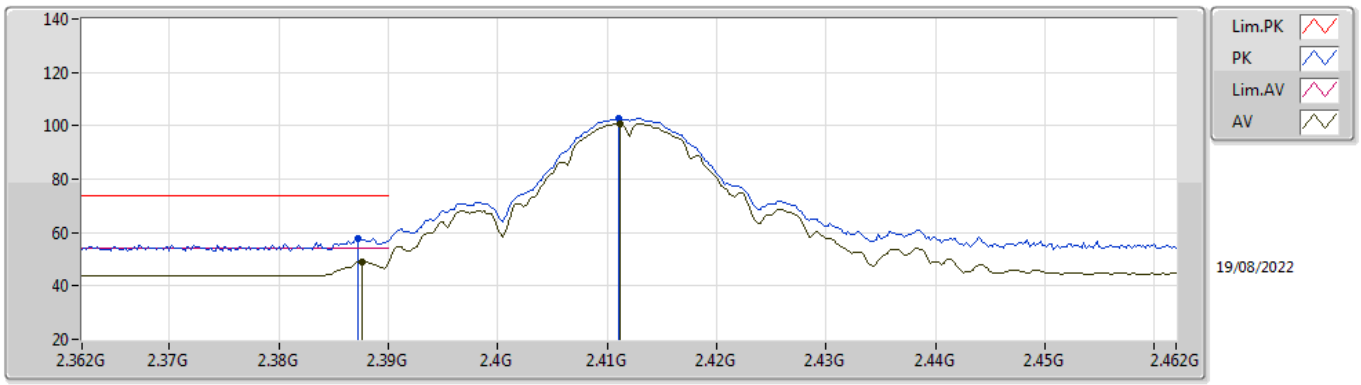
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3876G	49.10	54.00	-4.90	3	Vertical	38	1.50	-
2412MHz	Pass	AV	2.4112G	100.75	Inf	-Inf	3	Vertical	38	1.50	-
2412MHz	Pass	PK	2.3872G	57.72	74.00	-16.28	3	Vertical	38	1.50	-
2412MHz	Pass	PK	2.411G	102.84	Inf	-Inf	3	Vertical	38	1.50	-
2412MHz	Pass	AV	2.3876G	52.05	54.00	-1.95	3	Horizontal	151	2.70	-
2412MHz	Pass	AV	2.4112G	104.11	Inf	-Inf	3	Horizontal	151	2.70	-
2412MHz	Pass	PK	2.3882G	58.87	74.00	-15.13	3	Horizontal	151	2.70	-
2412MHz	Pass	PK	2.4112G	106.25	Inf	-Inf	3	Horizontal	151	2.70	-
2412MHz	Pass	AV	4.82407G	37.60	54.00	-16.40	3	Vertical	349	2.70	-
2412MHz	Pass	PK	4.8239G	46.65	74.00	-27.35	3	Vertical	349	2.70	-
2412MHz	Pass	AV	4.82402G	37.17	54.00	-16.83	3	Horizontal	40	2.80	-
2412MHz	Pass	PK	4.82395G	46.40	74.00	-27.60	3	Horizontal	40	2.80	-
2417MHz	Pass	AV	2.39G	45.71	54.00	-8.29	3	Vertical	334	1.50	-
2417MHz	Pass	AV	2.4162G	101.47	Inf	-Inf	3	Vertical	334	1.50	-
2417MHz	Pass	PK	2.368G	55.55	74.00	-18.45	3	Vertical	334	1.50	-
2417MHz	Pass	PK	2.416G	103.46	Inf	-Inf	3	Vertical	334	1.50	-
2417MHz	Pass	AV	2.39G	51.55	54.00	-2.45	3	Horizontal	156	1.83	-
2417MHz	Pass	AV	2.4178G	106.68	Inf	-Inf	3	Horizontal	156	1.83	-
2417MHz	Pass	PK	2.39G	58.41	74.00	-15.59	3	Horizontal	156	1.83	-
2417MHz	Pass	PK	2.4178G	108.74	Inf	-Inf	3	Horizontal	156	1.83	-
2437MHz	Pass	AV	2.389G	44.92	54.00	-9.08	3	Vertical	341	1.45	-
2437MHz	Pass	AV	2.4362G	105.91	Inf	-Inf	3	Vertical	341	1.45	-
2437MHz	Pass	AV	2.499G	44.82	54.00	-9.18	3	Vertical	341	1.45	-
2437MHz	Pass	PK	2.351G	56.39	74.00	-17.61	3	Vertical	341	1.45	-
2437MHz	Pass	PK	2.4362G	107.93	Inf	-Inf	3	Vertical	341	1.45	-
2437MHz	Pass	PK	2.497G	55.94	74.00	-18.06	3	Vertical	341	1.45	-
2437MHz	Pass	AV	2.389G	47.82	54.00	-6.18	3	Horizontal	142	2.91	-
2437MHz	Pass	AV	2.4362G	108.52	Inf	-Inf	3	Horizontal	142	2.91	-
2437MHz	Pass	AV	2.4982G	44.92	54.00	-9.08	3	Horizontal	142	2.91	-
2437MHz	Pass	PK	2.3898G	56.99	74.00	-17.01	3	Horizontal	142	2.91	-
2437MHz	Pass	PK	2.4362G	110.64	Inf	-Inf	3	Horizontal	142	2.91	-
2437MHz	Pass	PK	2.4974G	56.13	74.00	-17.87	3	Horizontal	142	2.91	-
2437MHz	Pass	AV	4.87393G	34.09	54.00	-19.91	3	Vertical	200	3.00	-
2437MHz	Pass	PK	4.87388G	45.78	74.00	-28.22	3	Vertical	200	3.00	-
2437MHz	Pass	AV	4.87151G	33.56	54.00	-20.44	3	Horizontal	167	1.52	-
2437MHz	Pass	PK	4.87369G	45.61	74.00	-28.39	3	Horizontal	167	1.52	-
2457MHz	Pass	AV	2.387G	44.10	54.00	-9.90	3	Vertical	5	1.38	-
2457MHz	Pass	AV	2.4562G	105.22	Inf	-Inf	3	Vertical	5	1.38	-
2457MHz	Pass	AV	2.4835G	50.51	54.00	-3.49	3	Vertical	5	1.38	-
2457MHz	Pass	PK	2.3858G	55.96	74.00	-18.04	3	Vertical	5	1.38	-
2457MHz	Pass	PK	2.4562G	107.23	Inf	-Inf	3	Vertical	5	1.38	-
2457MHz	Pass	PK	2.4835G	57.99	74.00	-16.01	3	Vertical	5	1.38	-
2457MHz	Pass	AV	2.3878G	44.15	54.00	-9.85	3	Horizontal	152	2.64	-
2457MHz	Pass	AV	2.4578G	106.61	Inf	-Inf	3	Horizontal	152	2.64	-
2457MHz	Pass	AV	2.4835G	52.67	54.00	-1.33	3	Horizontal	152	2.64	-
2457MHz	Pass	PK	2.3634G	55.57	74.00	-18.43	3	Horizontal	152	2.64	-
2457MHz	Pass	PK	2.4578G	108.71	Inf	-Inf	3	Horizontal	152	2.64	-
2457MHz	Pass	PK	2.4835G	58.63	74.00	-15.37	3	Horizontal	152	2.64	-
2462MHz	Pass	AV	2.3876G	44.17	54.00	-9.83	3	Vertical	64	1.00	-
2462MHz	Pass	AV	2.4628G	105.71	Inf	-Inf	3	Vertical	64	1.00	-
2462MHz	Pass	AV	2.4835G	51.28	54.00	-2.72	3	Vertical	64	1.00	-
2462MHz	Pass	PK	2.3656G	55.69	74.00	-18.31	3	Vertical	64	1.00	-
2462MHz	Pass	PK	2.4612G	107.00	Inf	-Inf	3	Vertical	64	1.00	-
2462MHz	Pass	PK	2.4835G	56.44	74.00	-17.56	3	Vertical	64	1.00	-
2462MHz	Pass	AV	2.3884G	44.24	54.00	-9.76	3	Horizontal	154	2.65	-
2462MHz	Pass	AV	2.4628G	106.93	Inf	-Inf	3	Horizontal	154	2.65	-
2462MHz	Pass	AV	2.4835G	51.25	54.00	-2.75	3	Horizontal	154	2.65	-
2462MHz	Pass	PK	2.3872G	55.59	74.00	-18.41	3	Horizontal	154	2.65	-
2462MHz	Pass	PK	2.4628G	109.03	Inf	-Inf	3	Horizontal	154	2.65	-
2462MHz	Pass	PK	2.4835G	58.02	74.00	-15.98	3	Horizontal	154	2.65	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.92406G	36.07	54.00	-17.93	3	Vertical	171	1.15	-
2462MHz	Pass	PK	4.92387G	46.30	74.00	-27.70	3	Vertical	171	1.15	-
2462MHz	Pass	AV	4.92402G	34.70	54.00	-19.30	3	Horizontal	321	2.09	-
2462MHz	Pass	PK	4.92396G	45.76	74.00	-28.24	3	Horizontal	321	2.09	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.01	54.00	-1.99	3	Vertical	65	1.50	-
2412MHz	Pass	AV	2.4112G	97.80	Inf	-Inf	3	Vertical	65	1.50	-
2412MHz	Pass	PK	2.3898G	66.82	74.00	-7.18	3	Vertical	65	1.50	-
2412MHz	Pass	PK	2.4126G	106.33	Inf	-Inf	3	Vertical	65	1.50	-
2412MHz	Pass	AV	2.39G	52.71	54.00	-1.29	3	Horizontal	154	1.62	-
2412MHz	Pass	AV	2.4128G	99.68	Inf	-Inf	3	Horizontal	154	1.62	-
2412MHz	Pass	PK	2.3896G	66.43	74.00	-7.57	3	Horizontal	154	1.62	-
2412MHz	Pass	PK	2.4126G	107.43	Inf	-Inf	3	Horizontal	154	1.62	-
2412MHz	Pass	AV	4.82398G	36.53	54.00	-17.47	3	Vertical	171	1.08	-
2412MHz	Pass	PK	4.82404G	46.01	74.00	-27.99	3	Vertical	171	1.08	-
2412MHz	Pass	AV	4.82407G	35.20	54.00	-18.80	3	Horizontal	37	3.00	-
2412MHz	Pass	PK	4.82406G	45.70	74.00	-28.30	3	Horizontal	37	3.00	-
2417MHz	Pass	AV	2.39G	49.17	54.00	-4.83	3	Vertical	62	2.79	-
2417MHz	Pass	AV	2.4178G	97.16	Inf	-Inf	3	Vertical	62	2.79	-
2417MHz	Pass	PK	2.3896G	60.70	74.00	-13.30	3	Vertical	62	2.79	-
2417MHz	Pass	PK	2.4176G	105.04	Inf	-Inf	3	Vertical	62	2.79	-
2417MHz	Pass	AV	2.39G	52.18	54.00	-1.82	3	Horizontal	161	1.84	-
2417MHz	Pass	AV	2.4178G	101.85	Inf	-Inf	3	Horizontal	161	1.84	-
2417MHz	Pass	PK	2.3898G	63.86	74.00	-10.14	3	Horizontal	161	1.84	-
2417MHz	Pass	PK	2.4176G	110.08	Inf	-Inf	3	Horizontal	161	1.84	-
2437MHz	Pass	AV	2.3898G	48.73	54.00	-5.27	3	Vertical	64	1.44	-
2437MHz	Pass	AV	2.4362G	102.81	Inf	-Inf	3	Vertical	64	1.44	-
2437MHz	Pass	AV	2.4835G	46.23	54.00	-7.77	3	Vertical	64	1.44	-
2437MHz	Pass	PK	2.3894G	61.18	74.00	-12.82	3	Vertical	64	1.44	-
2437MHz	Pass	PK	2.4358G	110.30	Inf	-Inf	3	Vertical	64	1.44	-
2437MHz	Pass	PK	2.4998G	57.27	74.00	-16.73	3	Vertical	64	1.44	-
2437MHz	Pass	AV	2.3898G	50.97	54.00	-3.03	3	Horizontal	157	2.43	-
2437MHz	Pass	AV	2.4362G	106.40	Inf	-Inf	3	Horizontal	157	2.43	-
2437MHz	Pass	AV	2.4835G	46.83	54.00	-7.17	3	Horizontal	157	2.43	-
2437MHz	Pass	PK	2.3894G	62.93	74.00	-11.07	3	Horizontal	157	2.43	-
2437MHz	Pass	PK	2.4354G	114.05	Inf	-Inf	3	Horizontal	157	2.43	-
2437MHz	Pass	PK	2.4835G	58.64	74.00	-15.36	3	Horizontal	157	2.43	-
2437MHz	Pass	AV	4.87405G	35.40	54.00	-18.60	3	Vertical	171	1.35	-
2437MHz	Pass	PK	4.87361G	45.80	74.00	-28.20	3	Vertical	171	1.35	-
2437MHz	Pass	AV	4.87378G	34.23	54.00	-19.77	3	Horizontal	320	2.02	-
2437MHz	Pass	PK	4.87393G	45.61	74.00	-28.39	3	Horizontal	320	2.02	-
2457MHz	Pass	AV	2.4562G	100.83	Inf	-Inf	3	Vertical	64.9	1.38	-
2457MHz	Pass	AV	2.4835G	51.22	54.00	-2.78	3	Vertical	64.9	1.38	-
2457MHz	Pass	PK	2.4576G	108.22	Inf	-Inf	3	Vertical	64.9	1.38	-
2457MHz	Pass	PK	2.4835G	63.44	74.00	-10.56	3	Vertical	64.9	1.38	-
2457MHz	Pass	AV	2.4564G	104.85	Inf	-Inf	3	Horizontal	162	1.83	-
2457MHz	Pass	AV	2.4835G	52.86	54.00	-1.14	3	Horizontal	162	1.83	-
2457MHz	Pass	PK	2.4576G	112.41	Inf	-Inf	3	Horizontal	162	1.83	-
2457MHz	Pass	PK	2.4835G	65.93	74.00	-8.07	3	Horizontal	162	1.83	-
2462MHz	Pass	AV	2.4612G	100.13	Inf	-Inf	3	Vertical	360	1.23	-
2462MHz	Pass	AV	2.4835G	49.65	54.00	-4.35	3	Vertical	360	1.23	-
2462MHz	Pass	PK	2.4624G	105.82	Inf	-Inf	3	Vertical	360	1.23	-
2462MHz	Pass	PK	2.4835G	58.62	74.00	-15.38	3	Vertical	360	1.23	-
2462MHz	Pass	AV	2.4614G	104.27	Inf	-Inf	3	Horizontal	154	2.63	-
2462MHz	Pass	AV	2.4835G	52.25	54.00	-1.75	3	Horizontal	154	2.63	-
2462MHz	Pass	PK	2.4626G	112.00	Inf	-Inf	3	Horizontal	154	2.63	-
2462MHz	Pass	PK	2.4836G	62.74	74.00	-11.26	3	Horizontal	154	2.63	-
2462MHz	Pass	AV	4.92403G	36.03	54.00	-17.97	3	Vertical	36	1.16	-
2462MHz	Pass	PK	4.92384G	46.62	74.00	-27.38	3	Vertical	36	1.16	-
2462MHz	Pass	AV	4.92401G	34.74	54.00	-19.26	3	Horizontal	31	2.73	-
2462MHz	Pass	PK	4.92269G	45.21	74.00	-28.79	3	Horizontal	31	2.73	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	2.39G	49.18	54.00	-4.82	3	Vertical	46	2.64	-
2412MHz	Pass	AV	2.4112G	95.23	Inf	-Inf	3	Vertical	46	2.64	-
2412MHz	Pass	PK	2.3898G	62.93	74.00	-11.07	3	Vertical	46	2.64	-
2412MHz	Pass	PK	2.4122G	103.15	Inf	-Inf	3	Vertical	46	2.64	-
2412MHz	Pass	AV	2.39G	52.32	54.00	-1.68	3	Horizontal	165	1.62	-
2412MHz	Pass	AV	2.4128G	99.52	Inf	-Inf	3	Horizontal	165	1.62	-
2412MHz	Pass	PK	2.3894G	66.34	74.00	-7.66	3	Horizontal	165	1.62	-
2412MHz	Pass	PK	2.4136G	107.52	Inf	-Inf	3	Horizontal	165	1.62	-
2412MHz	Pass	AV	4.82406G	35.60	54.00	-18.40	3	Vertical	171	1.10	-
2412MHz	Pass	PK	4.82369G	46.53	74.00	-27.47	3	Vertical	171	1.10	-
2412MHz	Pass	AV	4.82401G	34.75	54.00	-19.25	3	Horizontal	37	2.79	-
2412MHz	Pass	PK	4.82396G	45.55	74.00	-28.45	3	Horizontal	37	2.79	-
2417MHz	Pass	AV	2.3898G	52.07	54.00	-1.93	3	Vertical	89	1.50	-
2417MHz	Pass	AV	2.4176G	99.43	Inf	-Inf	3	Vertical	89	1.50	-
2417MHz	Pass	PK	2.3896G	63.85	74.00	-10.15	3	Vertical	89	1.50	-
2417MHz	Pass	PK	2.4172G	107.58	Inf	-Inf	3	Vertical	89	1.50	-
2417MHz	Pass	AV	2.39G	52.42	54.00	-1.58	3	Horizontal	166	1.38	-
2417MHz	Pass	AV	2.4176G	101.44	Inf	-Inf	3	Horizontal	166	1.38	-
2417MHz	Pass	PK	2.3896G	66.63	74.00	-7.37	3	Horizontal	166	1.38	-
2417MHz	Pass	PK	2.4192G	110.17	Inf	-Inf	3	Horizontal	166	1.38	-
2437MHz	Pass	AV	2.3898G	49.03	54.00	-4.97	3	Vertical	85	1.00	-
2437MHz	Pass	AV	2.4362G	101.28	Inf	-Inf	3	Vertical	85	1.00	-
2437MHz	Pass	AV	2.4835G	46.43	54.00	-7.57	3	Vertical	85	1.00	-
2437MHz	Pass	PK	2.3898G	61.02	74.00	-12.98	3	Vertical	85	1.00	-
2437MHz	Pass	PK	2.4358G	109.30	Inf	-Inf	3	Vertical	85	1.00	-
2437MHz	Pass	PK	2.4835G	56.33	74.00	-17.67	3	Vertical	85	1.00	-
2437MHz	Pass	AV	2.3898G	52.17	54.00	-1.83	3	Horizontal	162	2.14	-
2437MHz	Pass	AV	2.4362G	105.58	Inf	-Inf	3	Horizontal	162	2.14	-
2437MHz	Pass	AV	2.4835G	47.76	54.00	-6.24	3	Horizontal	162	2.14	-
2437MHz	Pass	PK	2.3886G	65.48	74.00	-8.52	3	Horizontal	162	2.14	-
2437MHz	Pass	PK	2.4378G	113.96	Inf	-Inf	3	Horizontal	162	2.14	-
2437MHz	Pass	PK	2.4835G	59.60	74.00	-14.40	3	Horizontal	162	2.14	-
2437MHz	Pass	AV	4.87403G	35.37	54.00	-18.63	3	Vertical	170	1.13	-
2437MHz	Pass	PK	4.87299G	45.67	74.00	-28.33	3	Vertical	170	1.13	-
2437MHz	Pass	AV	4.87402G	35.01	54.00	-18.99	3	Horizontal	32	2.73	-
2437MHz	Pass	PK	4.87435G	45.48	74.00	-28.52	3	Horizontal	32	2.73	-
2457MHz	Pass	AV	2.4562G	101.55	Inf	-Inf	3	Vertical	0	2.87	-
2457MHz	Pass	AV	2.4835G	49.55	54.00	-4.45	3	Vertical	0	2.87	-
2457MHz	Pass	PK	2.4578G	111.08	Inf	-Inf	3	Vertical	0	2.87	-
2457MHz	Pass	PK	2.4835G	61.86	74.00	-12.14	3	Vertical	0	2.87	-
2457MHz	Pass	AV	2.458G	103.90	Inf	-Inf	3	Horizontal	167	1.63	-
2457MHz	Pass	AV	2.4835G	52.41	54.00	-1.59	3	Horizontal	167	1.63	-
2457MHz	Pass	PK	2.459G	111.87	Inf	-Inf	3	Horizontal	167	1.63	-
2457MHz	Pass	PK	2.4835G	64.42	74.00	-9.58	3	Horizontal	167	1.63	-
2462MHz	Pass	AV	2.4626G	99.33	Inf	-Inf	3	Vertical	49	1.91	-
2462MHz	Pass	AV	2.4835G	49.78	54.00	-4.22	3	Vertical	49	1.91	-
2462MHz	Pass	PK	2.463G	107.08	Inf	-Inf	3	Vertical	49	1.91	-
2462MHz	Pass	PK	2.4835G	61.50	74.00	-12.50	3	Vertical	49	1.91	-
2462MHz	Pass	AV	2.4628G	103.47	Inf	-Inf	3	Horizontal	165	2.34	-
2462MHz	Pass	AV	2.4835G	52.59	54.00	-1.41	3	Horizontal	165	2.34	-
2462MHz	Pass	PK	2.464G	111.01	Inf	-Inf	3	Horizontal	165	2.34	-
2462MHz	Pass	PK	2.4836G	67.88	74.00	-6.12	3	Horizontal	165	2.34	-
2462MHz	Pass	AV	4.92268G	33.66	54.00	-20.34	3	Vertical	312	2.31	-
2462MHz	Pass	PK	4.92442G	44.84	74.00	-29.16	3	Vertical	312	2.31	-
2462MHz	Pass	AV	4.92G	33.66	54.00	-20.34	3	Horizontal	254	1.60	-
2462MHz	Pass	PK	4.92246G	45.10	74.00	-28.90	3	Horizontal	254	1.60	-

802.11b_Nss1,(1Mbps)_1TX

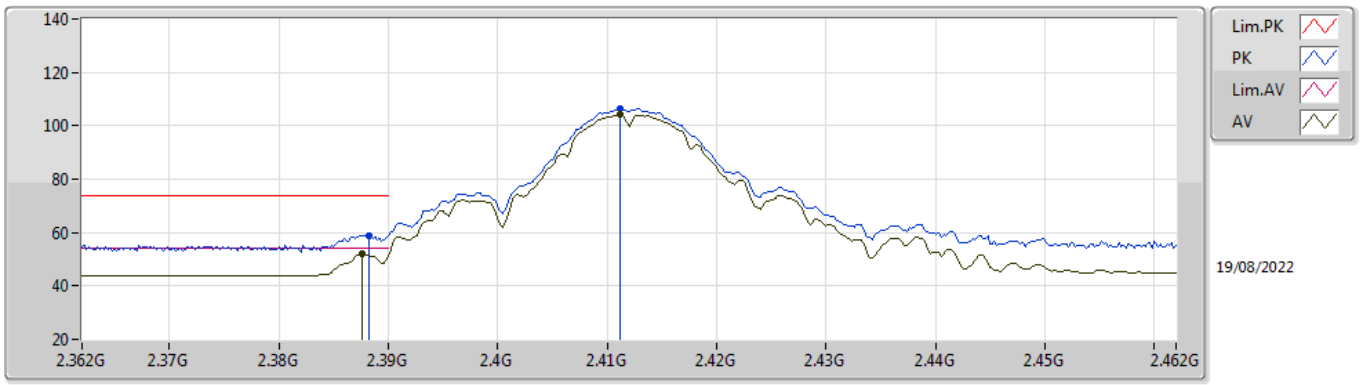
2412MHz_TX



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	2.3876G	49.10	54.00	-4.90	31.59	3	Vertical	38	1.50	-	17.51	27.43	4.16	-
AV	2.4112G	100.75	Inf	-Inf	31.70	3	Vertical	38	1.50	-	69.05	27.52	4.18	-
PK	2.3872G	57.72	74.00	-16.28	31.58	3	Vertical	38	1.50	-	26.14	27.42	4.16	-
PK	2.411G	102.84	Inf	-Inf	31.70	3	Vertical	38	1.50	-	71.14	27.52	4.18	-

802.11b_Nss1,(1Mbps)_1TX

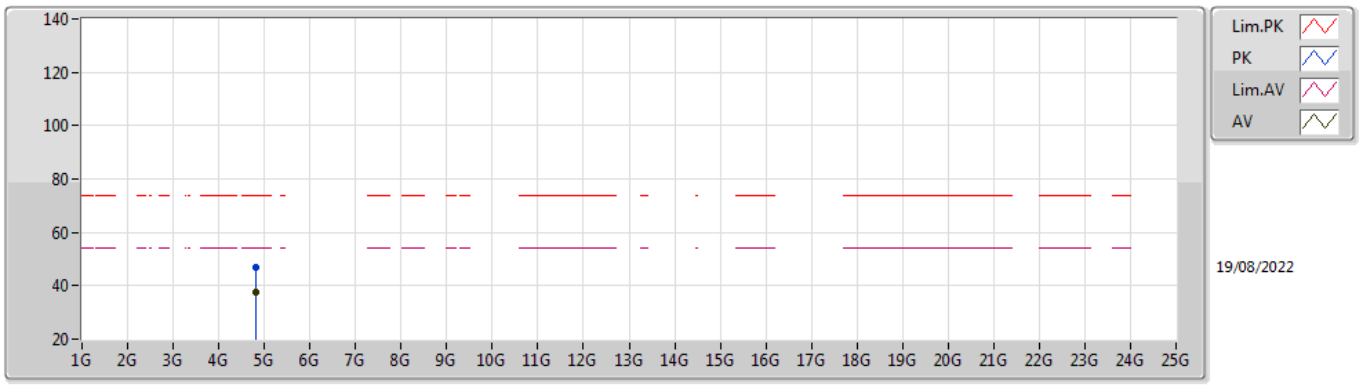
2412MHz_TX



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	2.3876G	52.05	54.00	-1.95	31.59	3	Horizontal	151	2.70	-	20.46	27.43	4.16	-
AV	2.4112G	104.11	Inf	-Inf	31.70	3	Horizontal	151	2.70	-	72.41	27.52	4.18	-
PK	2.3882G	58.87	74.00	-15.13	31.59	3	Horizontal	151	2.70	-	27.28	27.43	4.16	-
PK	2.4112G	106.25	Inf	-Inf	31.70	3	Horizontal	151	2.70	-	74.55	27.52	4.18	-

802.11b_Nss1,(1Mbps)_1TX

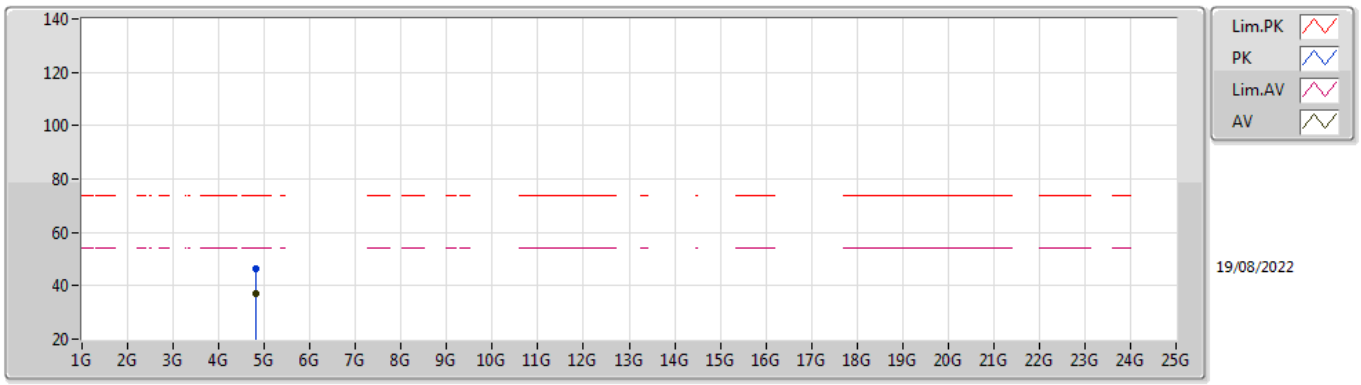
2412MHz_TX



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	4.82407G	37.60	54.00	-16.40	3.47	3	Vertical	349	2.70	-	34.13	32.44	5.68	34.65
PK	4.8239G	46.65	74.00	-27.35	3.47	3	Vertical	349	2.70	-	43.18	32.44	5.68	34.65

802.11b_Nss1,(1Mbps)_1TX

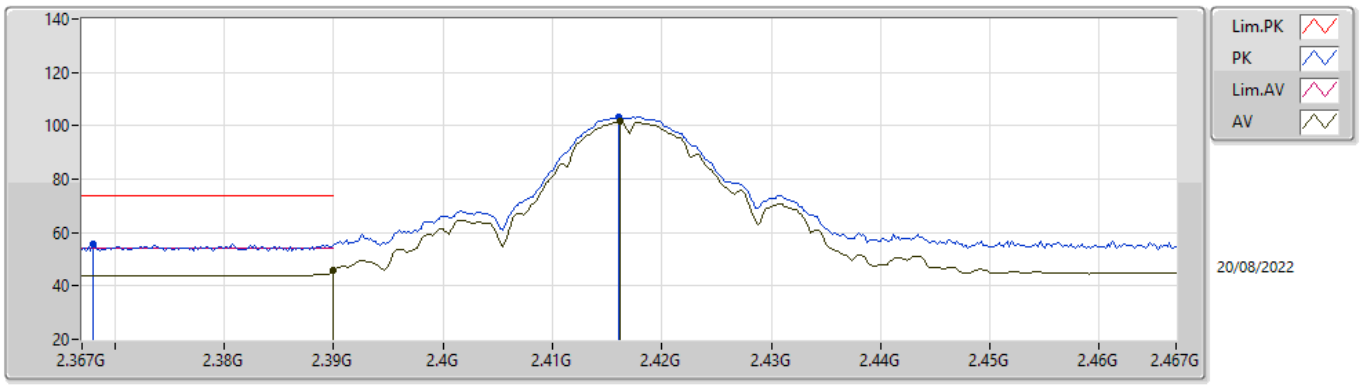
2412MHz_TX



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	4.82402G	37.17	54.00	-16.83	3.47	3	Horizontal	40	2.80	-	33.70	32.44	5.68	34.65
PK	4.82395G	46.40	74.00	-27.60	3.47	3	Horizontal	40	2.80	-	42.93	32.44	5.68	34.65

802.11b_Nss1,(1Mbps)_1TX

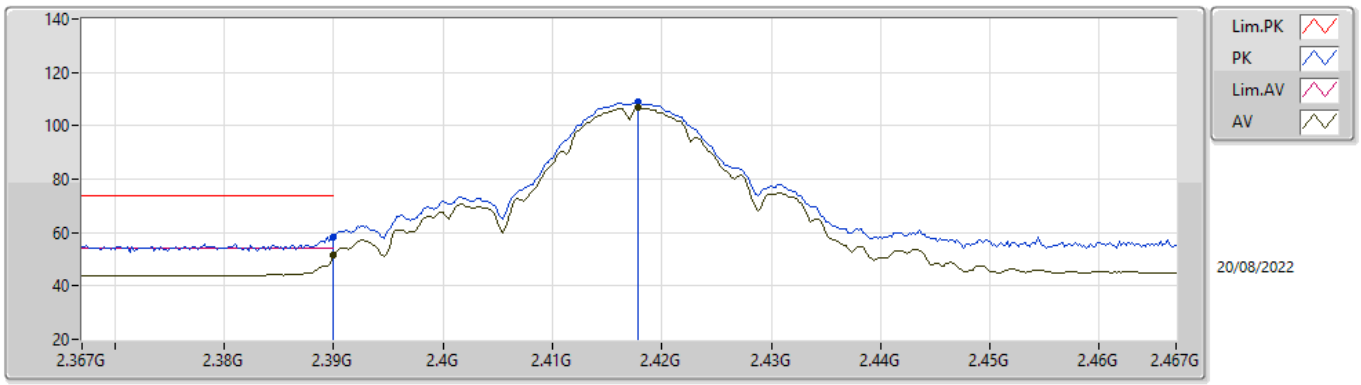
2417MHz_TX



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	2.39G	45.71	54.00	-8.29	31.60	3	Vertical	334	1.50	-	14.11	27.44	4.16	-
AV	2.4162G	101.47	Inf	-Inf	31.71	3	Vertical	334	1.50	-	69.76	27.53	4.18	-
PK	2.368G	55.55	74.00	-18.45	31.45	3	Vertical	334	1.50	-	24.10	27.31	4.14	-
PK	2.416G	103.46	Inf	-Inf	31.71	3	Vertical	334	1.50	-	71.75	27.53	4.18	-

802.11b_Nss1,(1Mbps)_1TX

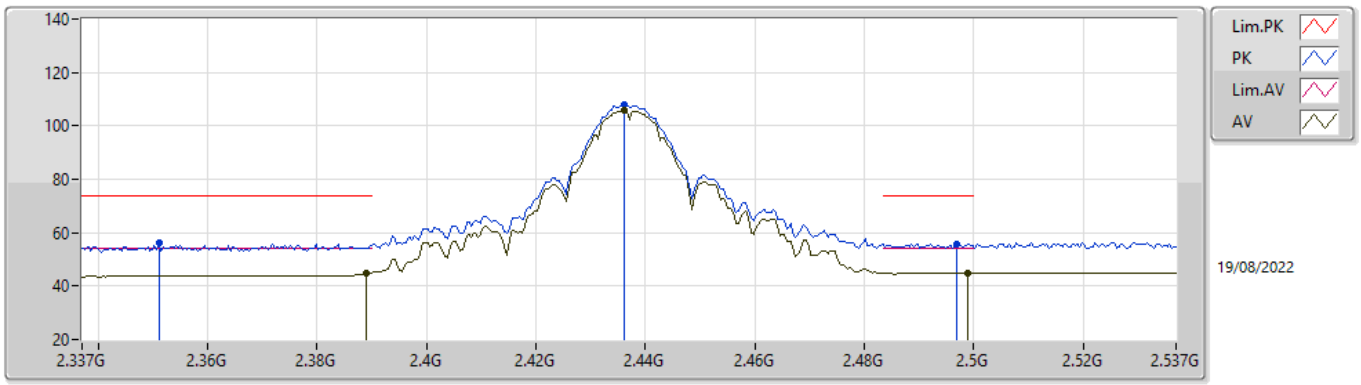
2417MHz_TX



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	2.39G	51.55	54.00	-2.45	31.60	3	Horizontal	156	1.83	-	19.95	27.44	4.16	-
AV	2.4178G	106.68	Inf	-Inf	31.72	3	Horizontal	156	1.83	-	74.96	27.54	4.18	-
PK	2.39G	58.41	74.00	-15.59	31.60	3	Horizontal	156	1.83	-	26.81	27.44	4.16	-
PK	2.4178G	108.74	Inf	-Inf	31.72	3	Horizontal	156	1.83	-	77.02	27.54	4.18	-

802.11b_Nss1,(1Mbps)_1TX

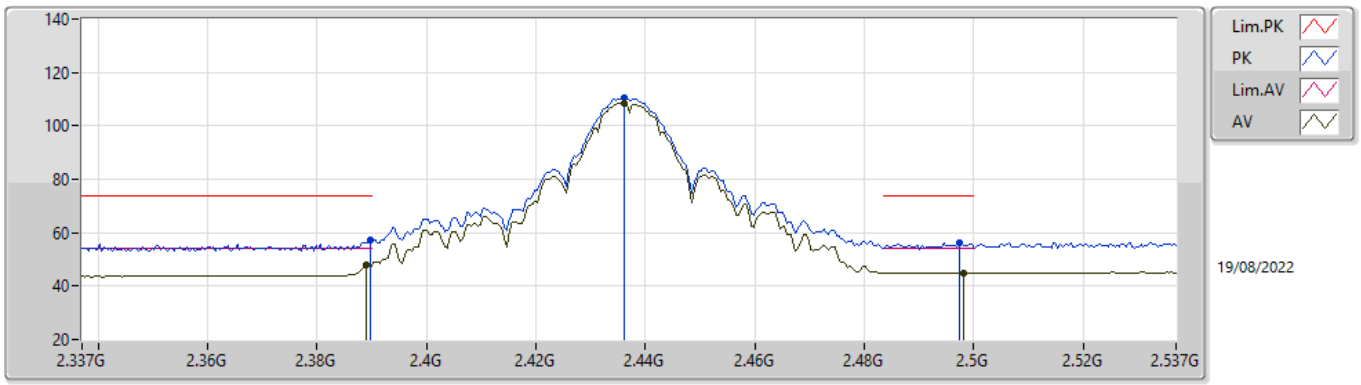
2437MHz_TX



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	2.389G	44.92	54.00	-9.08	31.59	3	Vertical	341	1.45	-	13.33	27.43	4.16	-
AV	2.4362G	105.91	Inf	-Inf	31.76	3	Vertical	341	1.45	-	74.15	27.57	4.19	-
AV	2.499G	44.82	54.00	-9.18	32.12	3	Vertical	341	1.45	-	12.70	27.89	4.23	-
PK	2.351G	56.39	74.00	-17.61	31.33	3	Vertical	341	1.45	-	25.06	27.21	4.12	-
PK	2.4362G	107.93	Inf	-Inf	31.76	3	Vertical	341	1.45	-	76.17	27.57	4.19	-
PK	2.497G	55.94	74.00	-18.06	32.11	3	Vertical	341	1.45	-	23.83	27.88	4.23	-

802.11b_Nss1,(1Mbps)_1TX

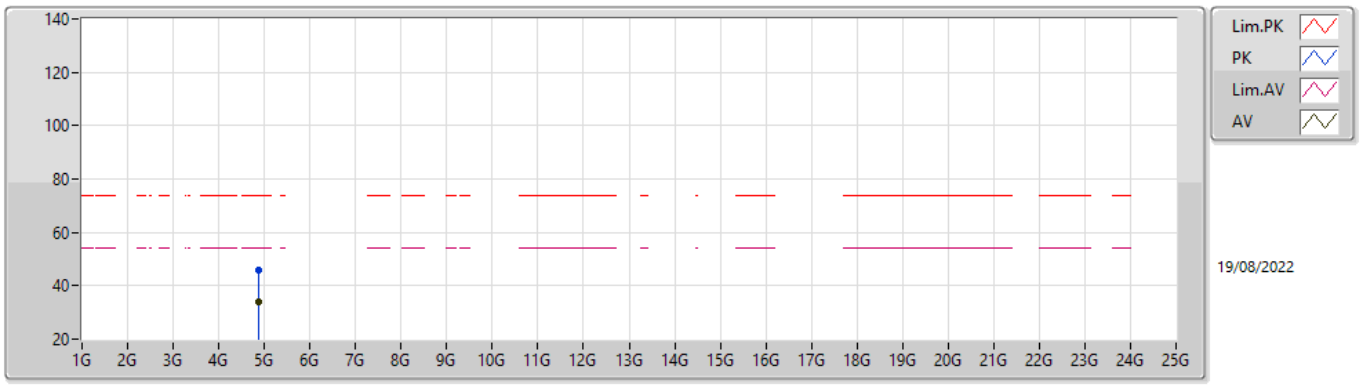
2437MHz_TX



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	2.389G	47.82	54.00	-6.18	31.59	3	Horizontal	142	2.91	-	16.23	27.43	4.16	-
AV	2.4362G	108.52	Inf	-Inf	31.76	3	Horizontal	142	2.91	-	76.76	27.57	4.19	-
AV	2.4982G	44.92	54.00	-9.08	32.12	3	Horizontal	142	2.91	-	12.80	27.89	4.23	-
PK	2.3898G	56.99	74.00	-17.01	31.60	3	Horizontal	142	2.91	-	25.39	27.44	4.16	-
PK	2.4362G	110.64	Inf	-Inf	31.76	3	Horizontal	142	2.91	-	78.88	27.57	4.19	-
PK	2.4974G	56.13	74.00	-17.87	32.11	3	Horizontal	142	2.91	-	24.02	27.88	4.23	-

802.11b_Nss1,(1Mbps)_1TX

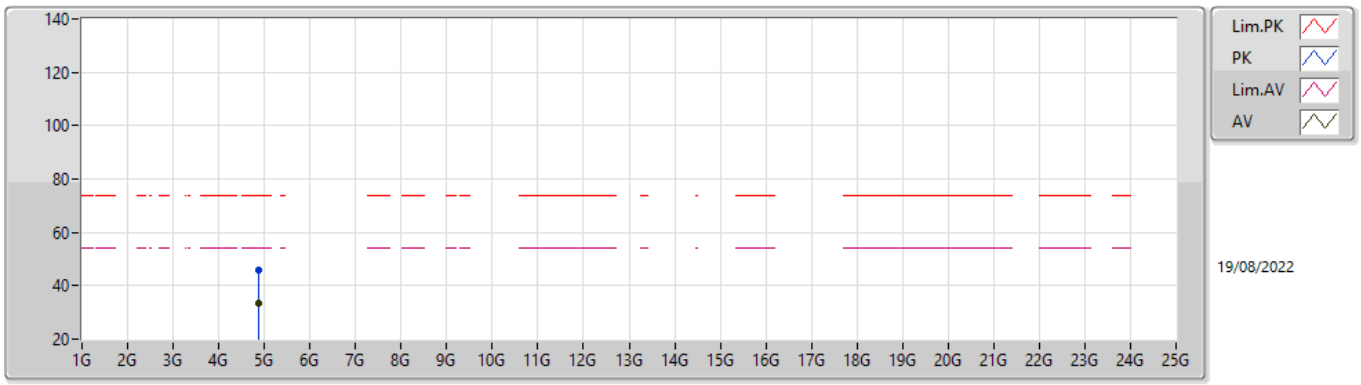
2437MHz_TX



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	4.87393G	34.09	54.00	-19.91	3.76	3	Vertical	200	3.00	-	30.33	32.70	5.71	34.65
PK	4.87388G	45.78	74.00	-28.22	3.76	3	Vertical	200	3.00	-	42.02	32.70	5.71	34.65

802.11b_Nss1,(1Mbps)_1TX

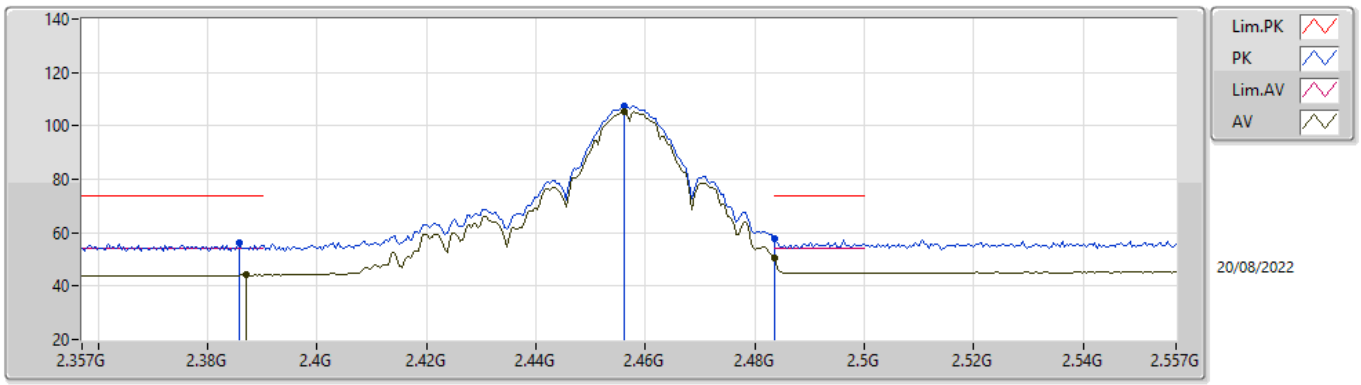
2437MHz_TX



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	4.87151G	33.56	54.00	-20.44	3.75	3	Horizontal	167	1.52	-	29.81	32.69	5.71	34.65
PK	4.87369G	45.61	74.00	-28.39	3.75	3	Horizontal	167	1.52	-	41.86	32.69	5.71	34.65

802.11b_Nss1,(1Mbps)_1TX

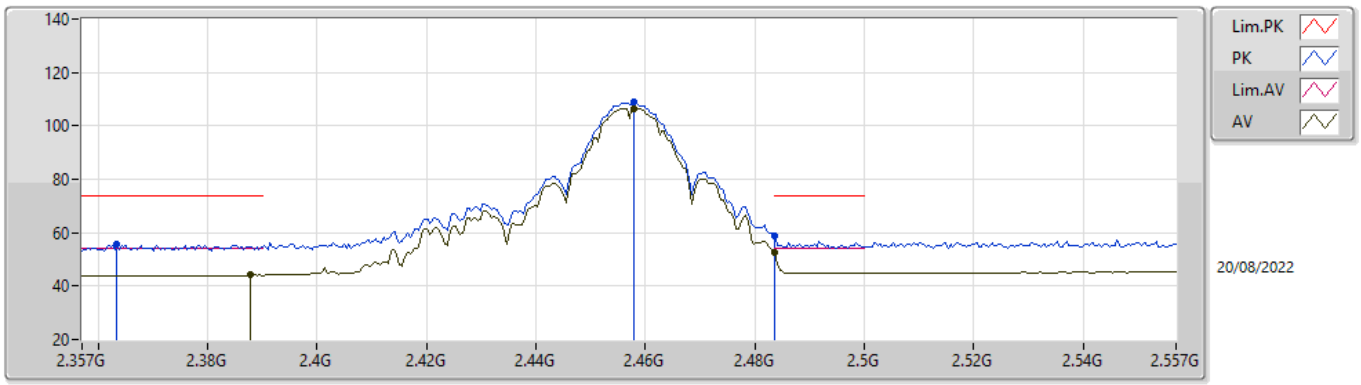
2457MHz_TX



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	2.387G	44.10	54.00	-9.90	31.58	3	Vertical	5	1.38	-	12.52	27.42	4.16	-
AV	2.4562G	105.22	Inf	-Inf	31.84	3	Vertical	5	1.38	-	73.38	27.64	4.20	-
AV	2.4835G	50.51	54.00	-3.49	32.02	3	Vertical	5	1.38	-	18.49	27.80	4.22	-
PK	2.3858G	55.96	74.00	-18.04	31.57	3	Vertical	5	1.38	-	24.39	27.41	4.16	-
PK	2.4562G	107.23	Inf	-Inf	31.84	3	Vertical	5	1.38	-	75.39	27.64	4.20	-
PK	2.4835G	57.99	74.00	-16.01	32.02	3	Vertical	5	1.38	-	25.97	27.80	4.22	-

802.11b_Nss1,(1Mbps)_1TX

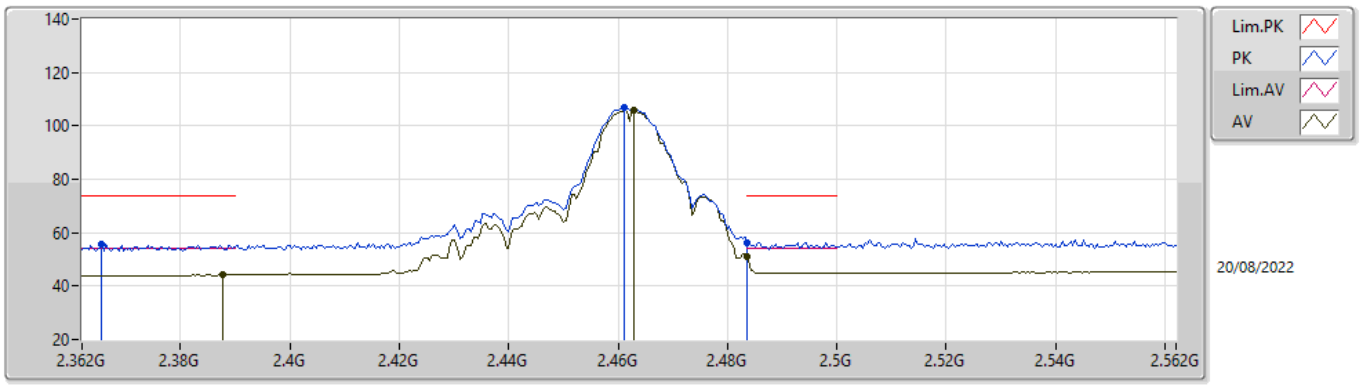
2457MHz_TX



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	2.3878G	44.15	54.00	-9.85	31.59	3	Horizontal	152	2.64	-	12.56	27.43	4.16	-
AV	2.4578G	106.61	Inf	-Inf	31.85	3	Horizontal	152	2.64	-	74.76	27.65	4.20	-
AV	2.4835G	52.67	54.00	-1.33	32.02	3	Horizontal	152	2.64	-	20.65	27.80	4.22	-
PK	2.3634G	55.57	74.00	-18.43	31.42	3	Horizontal	152	2.64	-	24.15	27.28	4.14	-
PK	2.4578G	108.71	Inf	-Inf	31.85	3	Horizontal	152	2.64	-	76.86	27.65	4.20	-
PK	2.4835G	58.63	74.00	-15.37	32.02	3	Horizontal	152	2.64	-	26.61	27.80	4.22	-

802.11b_Nss1,(1Mbps)_1TX

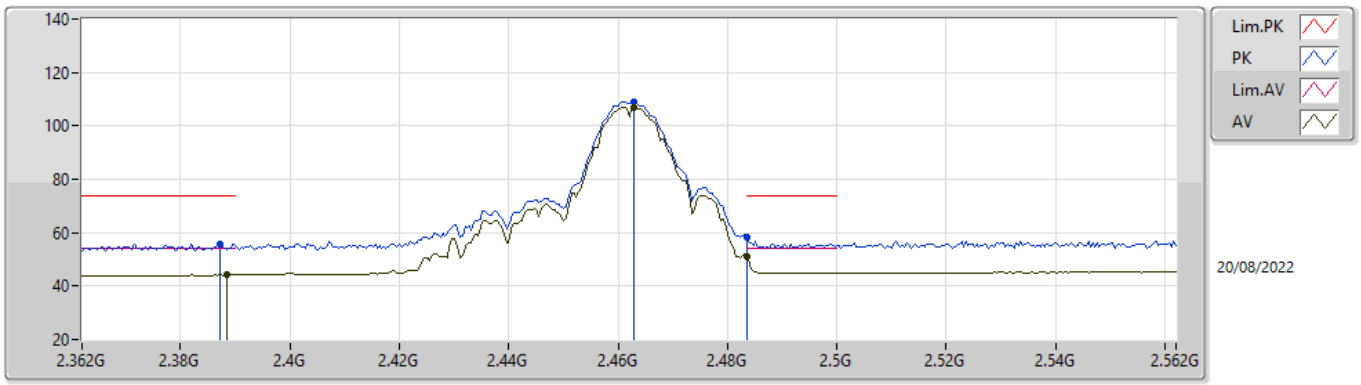
2462MHz_TX



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	2.3876G	44.17	54.00	-9.83	31.59	3	Vertical	64	1.00	-	12.58	27.43	4.16	-
AV	2.4628G	105.71	Inf	-Inf	31.89	3	Vertical	64	1.00	-	73.82	27.68	4.21	-
AV	2.4835G	51.28	54.00	-2.72	32.02	3	Vertical	64	1.00	-	19.26	27.80	4.22	-
PK	2.3656G	55.69	74.00	-18.31	31.43	3	Vertical	64	1.00	-	24.26	27.29	4.14	-
PK	2.4612G	107.00	Inf	-Inf	31.88	3	Vertical	64	1.00	-	75.12	27.67	4.21	-
PK	2.4835G	56.44	74.00	-17.56	32.02	3	Vertical	64	1.00	-	24.42	27.80	4.22	-

802.11b_Nss1,(1Mbps)_1TX

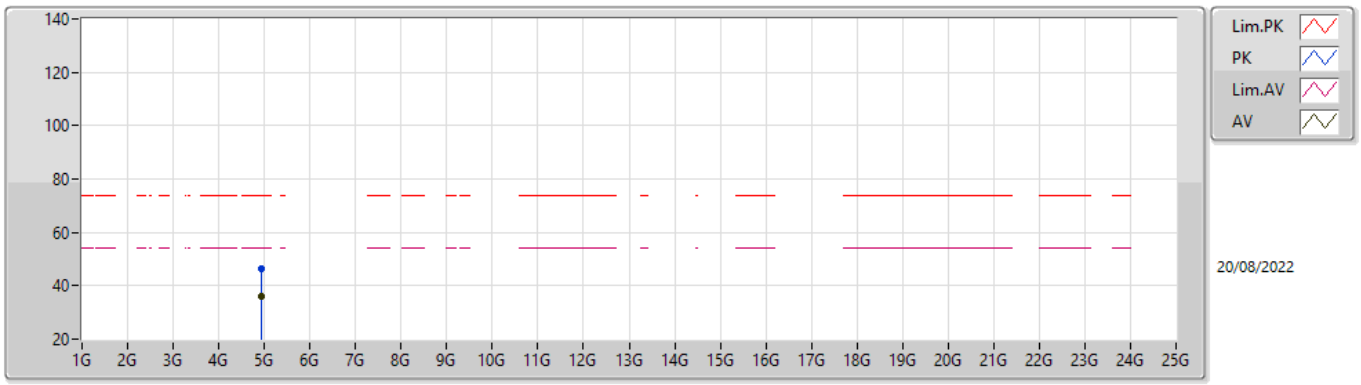
2462MHz_TX



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	2.3884G	44.24	54.00	-9.76	31.59	3	Horizontal	154	2.65	-	12.65	27.43	4.16	-
AV	2.4628G	106.93	Inf	-Inf	31.89	3	Horizontal	154	2.65	-	75.04	27.68	4.21	-
AV	2.4835G	51.25	54.00	-2.75	32.02	3	Horizontal	154	2.65	-	19.23	27.80	4.22	-
PK	2.3872G	55.59	74.00	-18.41	31.58	3	Horizontal	154	2.65	-	24.01	27.42	4.16	-
PK	2.4628G	109.03	Inf	-Inf	31.89	3	Horizontal	154	2.65	-	77.14	27.68	4.21	-
PK	2.4835G	58.02	74.00	-15.98	32.02	3	Horizontal	154	2.65	-	26.00	27.80	4.22	-

802.11b_Nss1,(1Mbps)_1TX

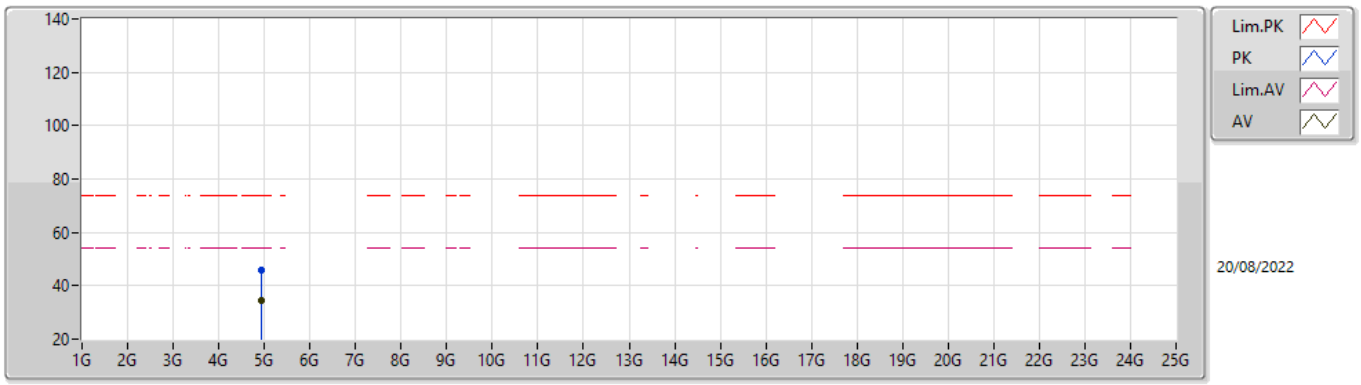
2462MHz_TX



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	4.92406G	36.07	54.00	-17.93	3.99	3	Vertical	171	1.15	-	32.08	32.90	5.74	34.65
PK	4.92387G	46.30	74.00	-27.70	3.99	3	Vertical	171	1.15	-	42.31	32.90	5.74	34.65

802.11b_Nss1,(1Mbps)_1TX

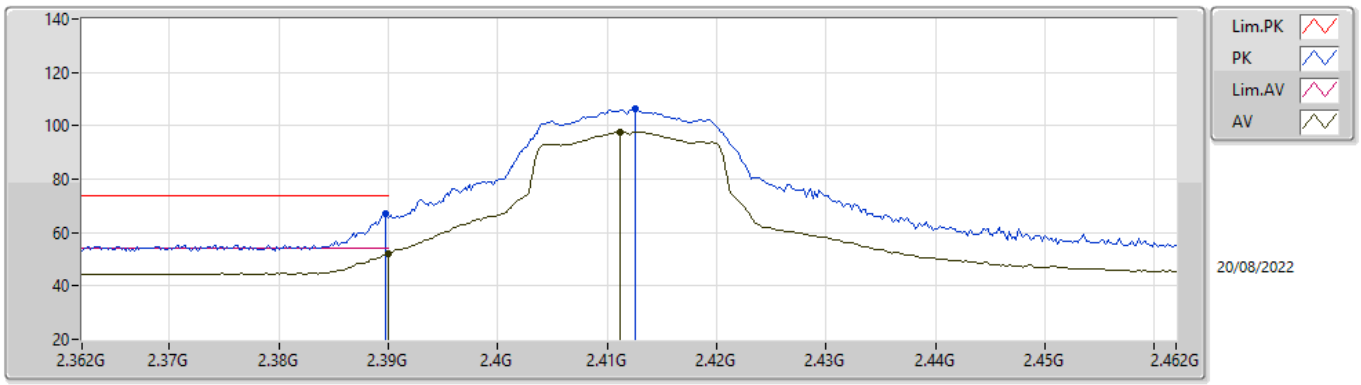
2462MHz_TX



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	4.92402G	34.70	54.00	-19.30	3.99	3	Horizontal	321	2.09	-	30.71	32.90	5.74	34.65
PK	4.92396G	45.76	74.00	-28.24	3.99	3	Horizontal	321	2.09	-	41.77	32.90	5.74	34.65

802.11g_Nss1,(6Mbps)_1TX

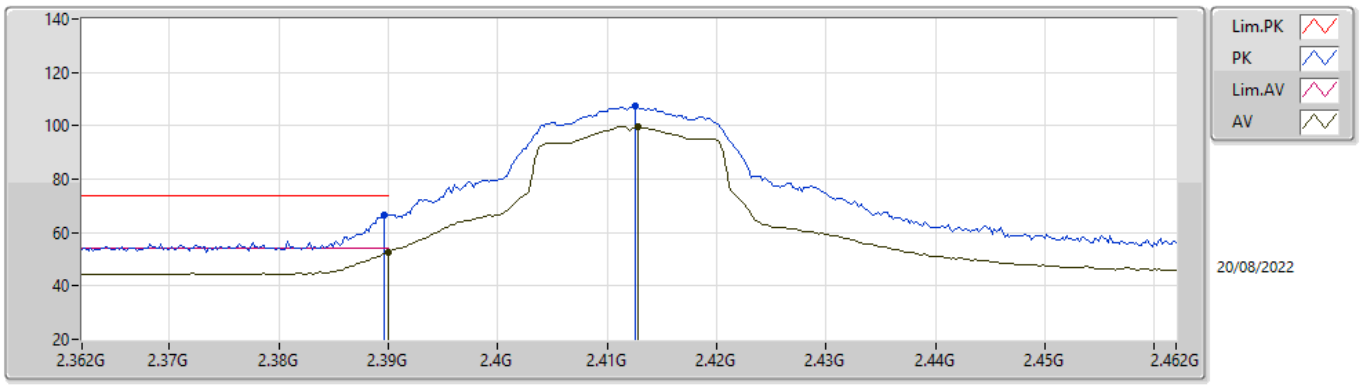
2412MHz_TX



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	52.01	54.00	-1.99	31.60	3	Vertical	65	1.50	-	20.41	27.44	4.16	-
AV	2.4112G	97.80	Inf	-Inf	31.70	3	Vertical	65	1.50	-	66.10	27.52	4.18	-
PK	2.3898G	66.82	74.00	-7.18	31.60	3	Vertical	65	1.50	-	35.22	27.44	4.16	-
PK	2.4126G	106.33	Inf	-Inf	31.71	3	Vertical	65	1.50	-	74.62	27.53	4.18	-

802.11g_Nss1,(6Mbps)_1TX

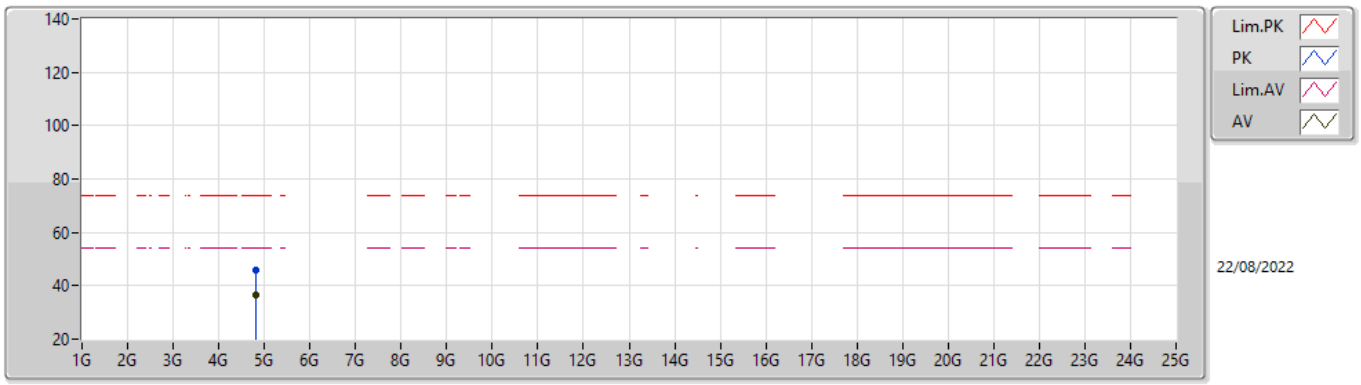
2412MHz_TX



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	52.71	54.00	-1.29	31.60	3	Horizontal	154	1.62	-	21.11	27.44	4.16	-
AV	2.4128G	99.68	Inf	-Inf	31.71	3	Horizontal	154	1.62	-	67.97	27.53	4.18	-
PK	2.3896G	66.43	74.00	-7.57	31.60	3	Horizontal	154	1.62	-	34.83	27.44	4.16	-
PK	2.4126G	107.43	Inf	-Inf	31.71	3	Horizontal	154	1.62	-	75.72	27.53	4.18	-

802.11g_Nss1,(6Mbps)_1TX

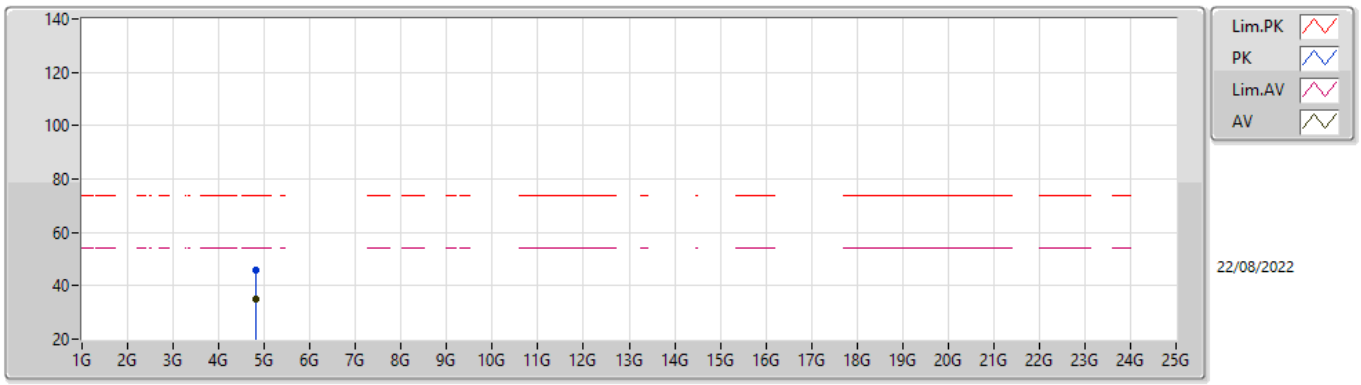
2412MHz_TX



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	4.82398G	36.53	54.00	-17.47	3.47	3	Vertical	171	1.08	-	33.06	32.44	5.68	34.65
PK	4.82404G	46.01	74.00	-27.99	3.47	3	Vertical	171	1.08	-	42.54	32.44	5.68	34.65

802.11g_Nss1,(6Mbps)_1TX

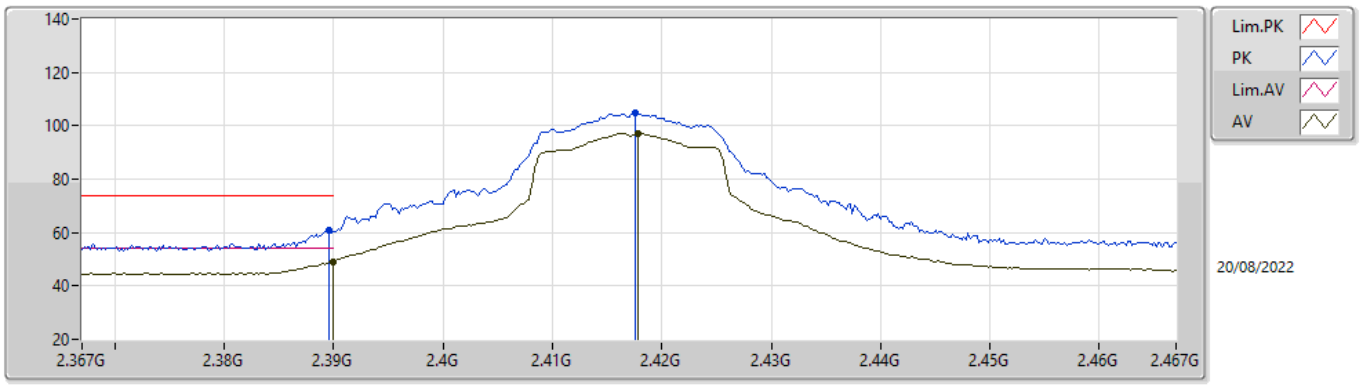
2412MHz_TX



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	4.82407G	35.20	54.00	-18.80	3.47	3	Horizontal	37	3.00	-	31.73	32.44	5.68	34.65
PK	4.82406G	45.70	74.00	-28.30	3.47	3	Horizontal	37	3.00	-	42.23	32.44	5.68	34.65

802.11g_Nss1,(6Mbps)_1TX

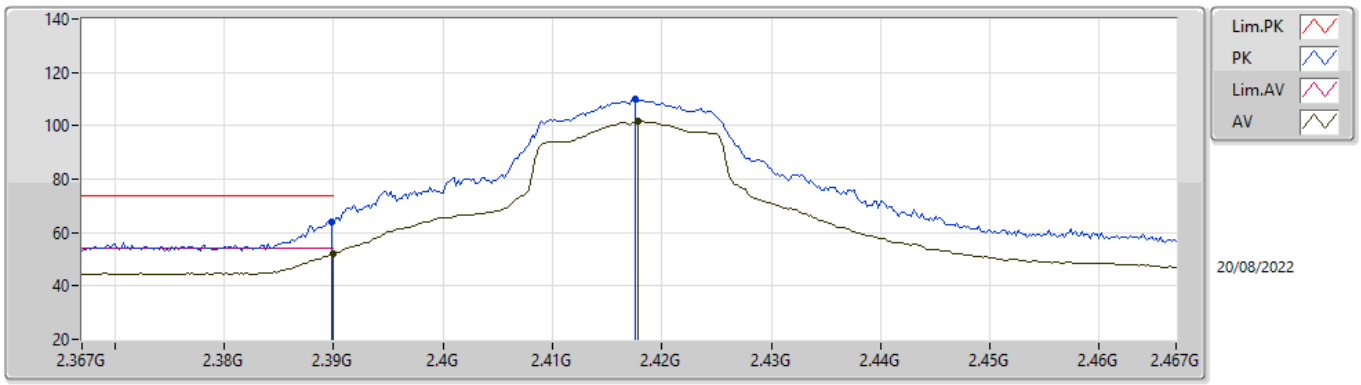
2417MHz_TX



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	2.39G	49.17	54.00	-4.83	31.60	3	Vertical	62	2.79	-	17.57	27.44	4.16	-
AV	2.4178G	97.16	Inf	-Inf	31.72	3	Vertical	62	2.79	-	65.44	27.54	4.18	-
PK	2.3896G	60.70	74.00	-13.30	31.60	3	Vertical	62	2.79	-	29.10	27.44	4.16	-
PK	2.4176G	105.04	Inf	-Inf	31.72	3	Vertical	62	2.79	-	73.32	27.54	4.18	-

802.11g_Nss1,(6Mbps)_1TX

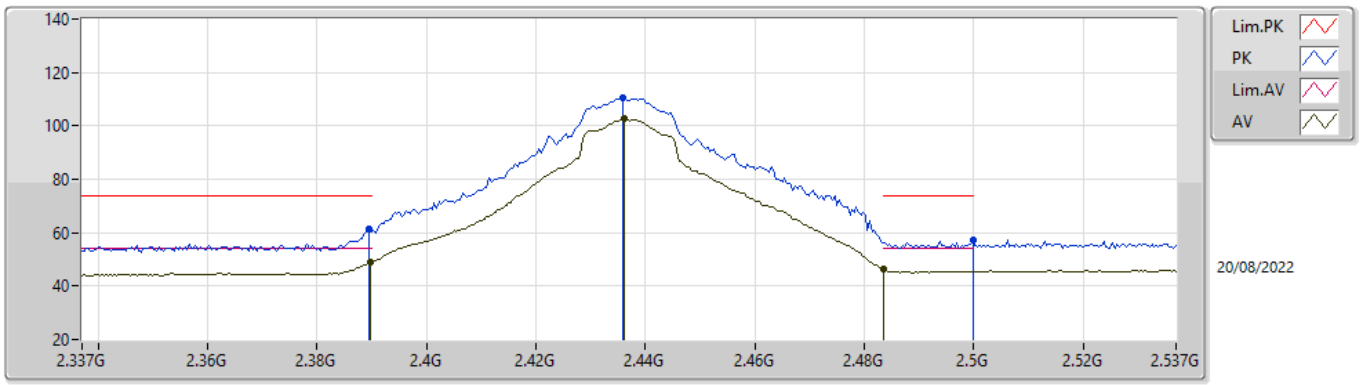
2417MHz_TX



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	2.39G	52.18	54.00	-1.82	31.60	3	Horizontal	161	1.84	-	20.58	27.44	4.16	-
AV	2.4178G	101.85	Inf	-Inf	31.72	3	Horizontal	161	1.84	-	70.13	27.54	4.18	-
PK	2.3898G	63.86	74.00	-10.14	31.60	3	Horizontal	161	1.84	-	32.26	27.44	4.16	-
PK	2.4176G	110.08	Inf	-Inf	31.72	3	Horizontal	161	1.84	-	78.36	27.54	4.18	-

802.11g_Nss1,(6Mbps)_1TX

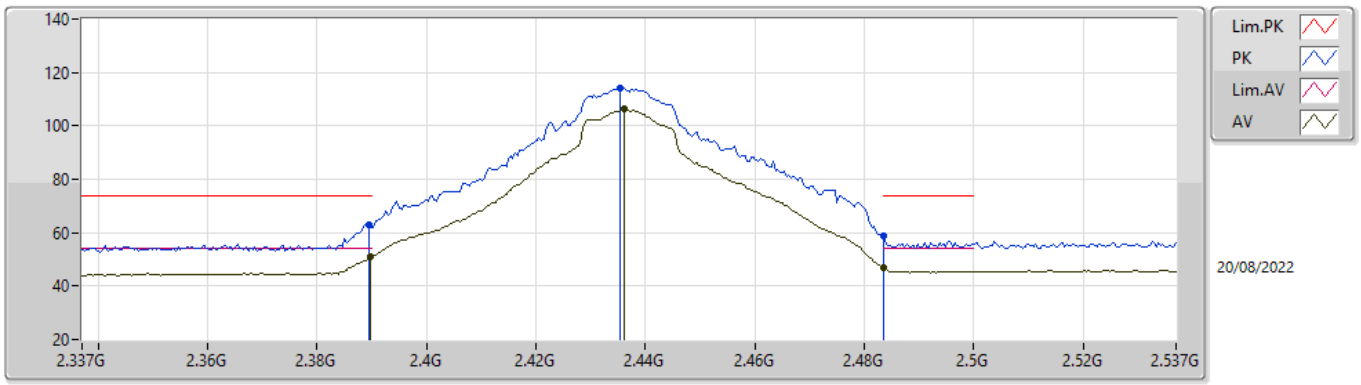
2437MHz_TX



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	48.73	54.00	-5.27	31.60	3	Vertical	64	1.44	-	17.13	27.44	4.16	-
AV	2.4362G	102.81	Inf	-Inf	31.76	3	Vertical	64	1.44	-	71.05	27.57	4.19	-
AV	2.4835G	46.23	54.00	-7.77	32.02	3	Vertical	64	1.44	-	14.21	27.80	4.22	-
PK	2.3894G	61.18	74.00	-12.82	31.60	3	Vertical	64	1.44	-	29.58	27.44	4.16	-
PK	2.4358G	110.30	Inf	-Inf	31.76	3	Vertical	64	1.44	-	78.54	27.57	4.19	-
PK	2.4998G	57.27	74.00	-16.73	32.13	3	Vertical	64	1.44	-	25.14	27.90	4.23	-

802.11g_Nss1,(6Mbps)_1TX

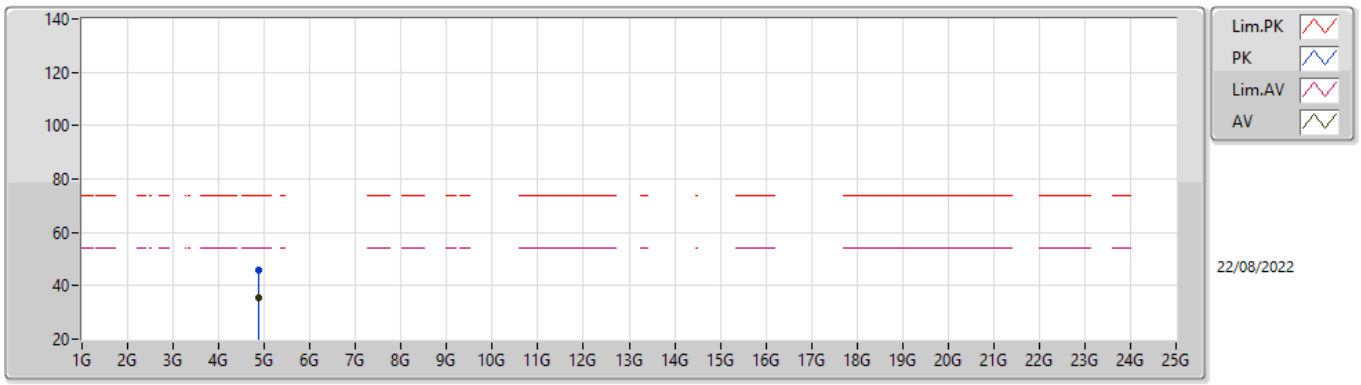
2437MHz_TX



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	50.97	54.00	-3.03	31.60	3	Horizontal	157	2.43	-	19.37	27.44	4.16	-
AV	2.4362G	106.40	Inf	-Inf	31.76	3	Horizontal	157	2.43	-	74.64	27.57	4.19	-
AV	2.4835G	46.83	54.00	-7.17	32.02	3	Horizontal	157	2.43	-	14.81	27.80	4.22	-
PK	2.3894G	62.93	74.00	-11.07	31.60	3	Horizontal	157	2.43	-	31.33	27.44	4.16	-
PK	2.4354G	114.05	Inf	-Inf	31.76	3	Horizontal	157	2.43	-	82.29	27.57	4.19	-
PK	2.4835G	58.64	74.00	-15.36	32.02	3	Horizontal	157	2.43	-	26.62	27.80	4.22	-

802.11g_Nss1,(6Mbps)_1TX

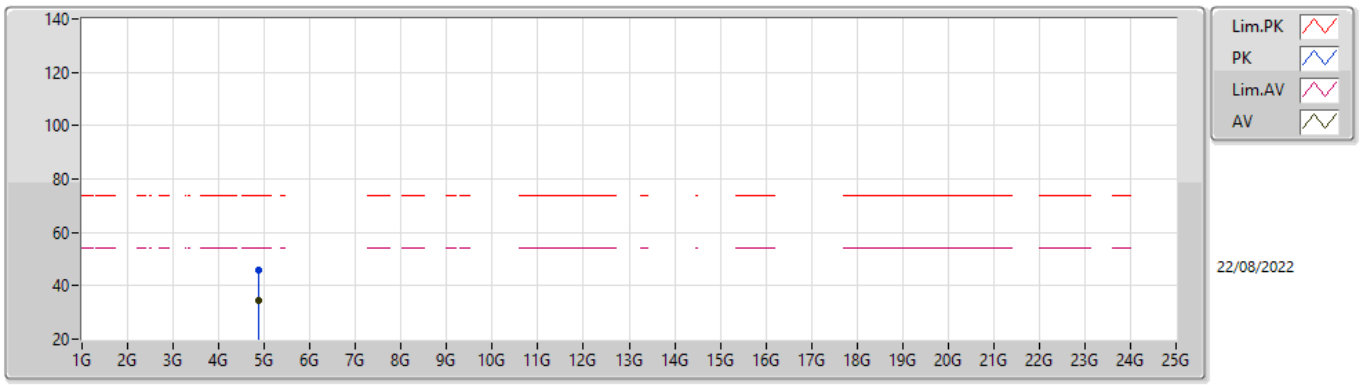
2437MHz_TX



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	4.87405G	35.40	54.00	-18.60	3.76	3	Vertical	171	1.35	-	31.64	32.70	5.71	34.65
PK	4.87361G	45.80	74.00	-28.20	3.75	3	Vertical	171	1.35	-	42.05	32.69	5.71	34.65

802.11g_Nss1,(6Mbps)_1TX

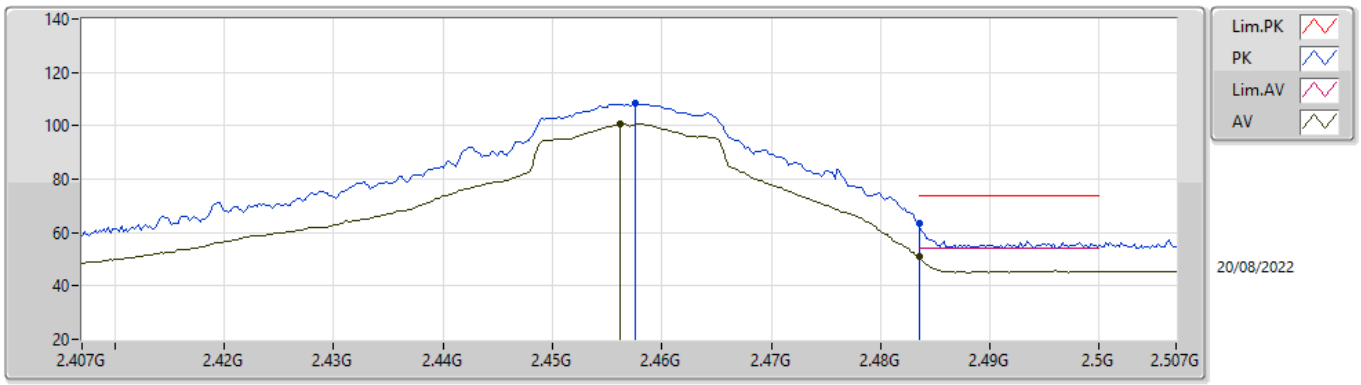
2437MHz_TX



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	4.87378G	34.23	54.00	-19.77	3.76	3	Horizontal	320	2.02	-	30.47	32.70	5.71	34.65
PK	4.87393G	45.61	74.00	-28.39	3.76	3	Horizontal	320	2.02	-	41.85	32.70	5.71	34.65

802.11g_Nss1,(6Mbps)_1TX

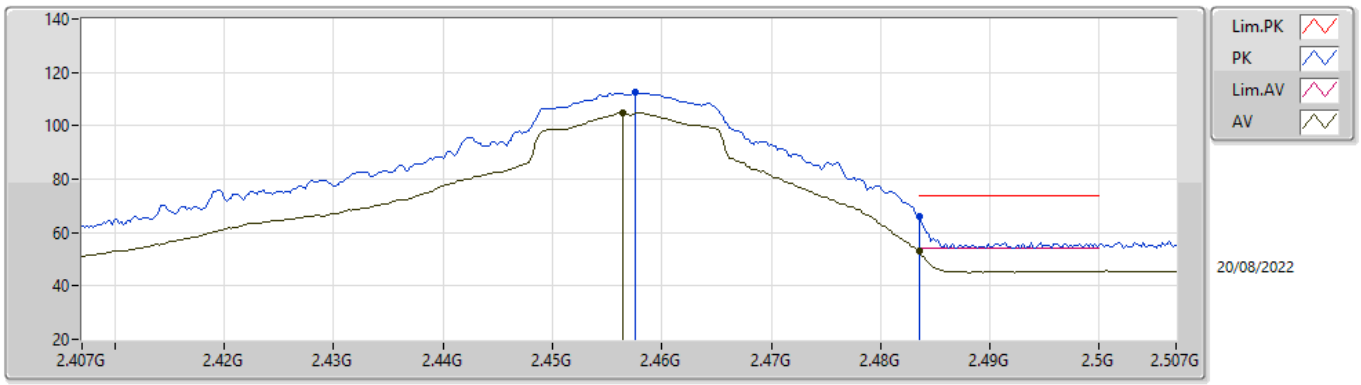
2457MHz_TX



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	100.83	Inf	-Inf	31.84	3	Vertical	64.9	1.38	-	68.99	27.64	4.20	-
AV	2.4835G	51.22	54.00	-2.78	32.02	3	Vertical	64.9	1.38	-	19.20	27.80	4.22	-
PK	2.4576G	108.22	Inf	-Inf	31.85	3	Vertical	64.9	1.38	-	76.37	27.65	4.20	-
PK	2.4835G	63.44	74.00	-10.56	32.02	3	Vertical	64.9	1.38	-	31.42	27.80	4.22	-

802.11g_Nss1,(6Mbps)_1TX

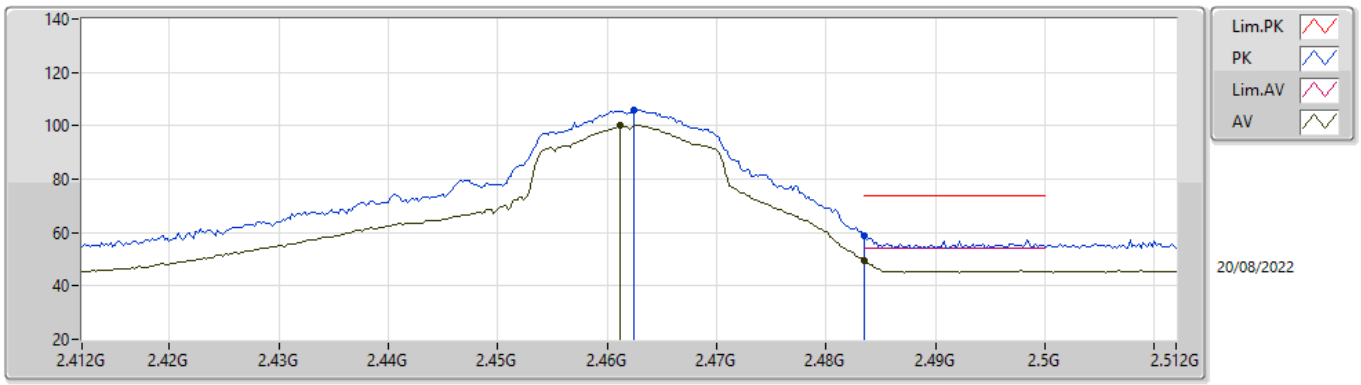
2457MHz_TX



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	2.4564G	104.85	Inf	-Inf	31.84	3	Horizontal	162	1.83	-	73.01	27.64	4.20	-
AV	2.4835G	52.86	54.00	-1.14	32.02	3	Horizontal	162	1.83	-	20.84	27.80	4.22	-
PK	2.4576G	112.41	Inf	-Inf	31.85	3	Horizontal	162	1.83	-	80.56	27.65	4.20	-
PK	2.4835G	65.93	74.00	-8.07	32.02	3	Horizontal	162	1.83	-	33.91	27.80	4.22	-

802.11g_Nss1,(6Mbps)_1TX

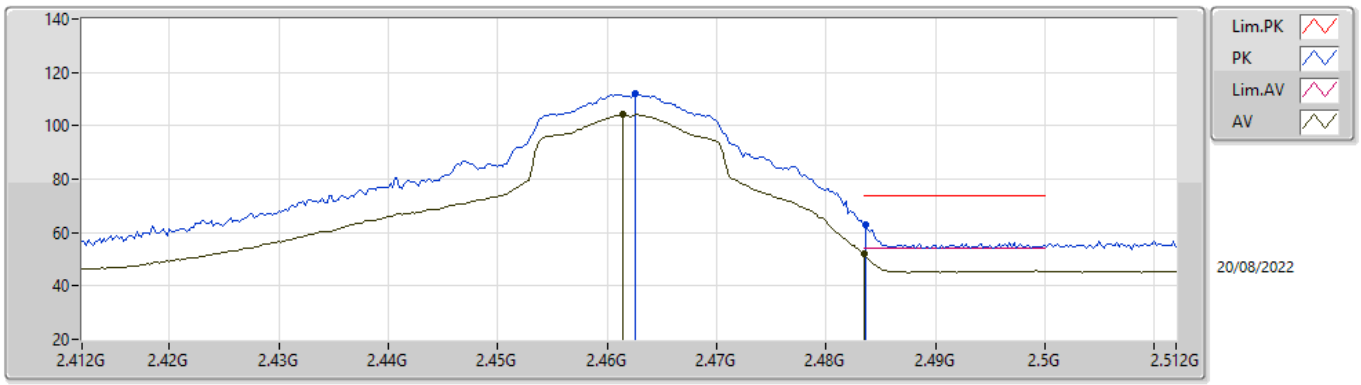
2462MHz_TX



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	2.4612G	100.13	Inf	-Inf	31.88	3	Vertical	360	1.23	-	68.25	27.67	4.21	-
AV	2.4835G	49.65	54.00	-4.35	32.02	3	Vertical	360	1.23	-	17.63	27.80	4.22	-
PK	2.4624G	105.82	Inf	-Inf	31.88	3	Vertical	360	1.23	-	73.94	27.67	4.21	-
PK	2.4835G	58.62	74.00	-15.38	32.02	3	Vertical	360	1.23	-	26.60	27.80	4.22	-

802.11g_Nss1,(6Mbps)_1TX

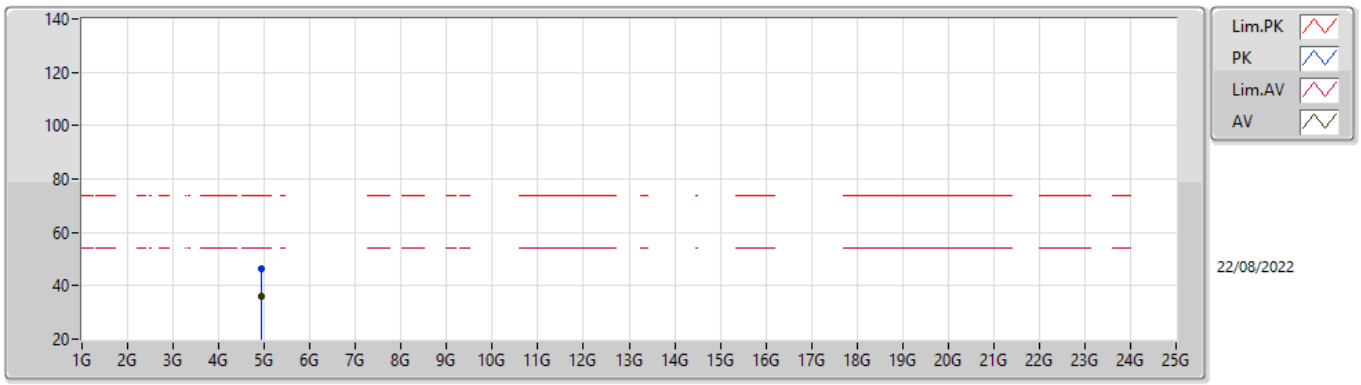
2462MHz_TX



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	2.4614G	104.27	Inf	-Inf	31.88	3	Horizontal	154	2.63	-	72.39	27.67	4.21	-
AV	2.4835G	52.25	54.00	-1.75	32.02	3	Horizontal	154	2.63	-	20.23	27.80	4.22	-
PK	2.4626G	112.00	Inf	-Inf	31.89	3	Horizontal	154	2.63	-	80.11	27.68	4.21	-
PK	2.4836G	62.74	74.00	-11.26	32.02	3	Horizontal	154	2.63	-	30.72	27.80	4.22	-

802.11g_Nss1,(6Mbps)_1TX

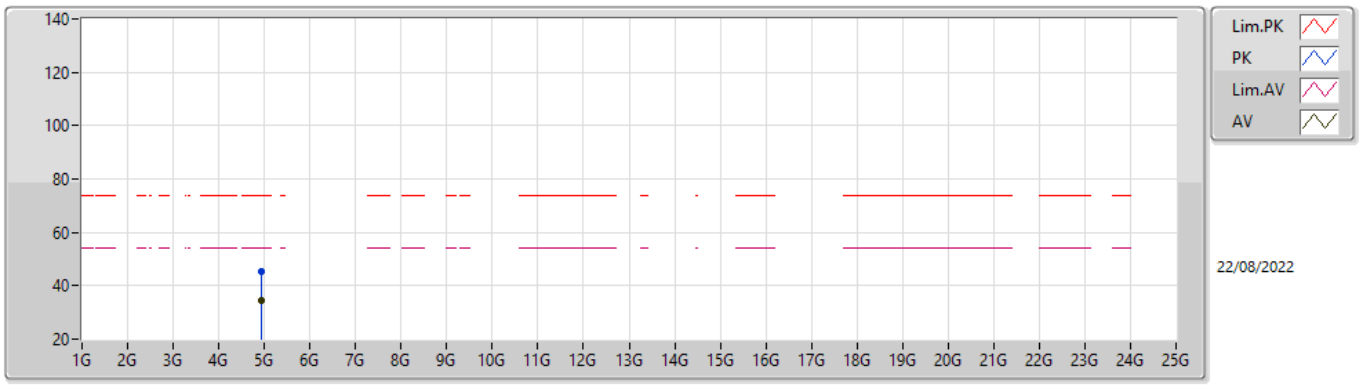
2462MHz_TX



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	4.92403G	36.03	54.00	-17.97	3.99	3	Vertical	36	1.16	-	32.04	32.90	5.74	34.65
PK	4.92384G	46.62	74.00	-27.38	3.99	3	Vertical	36	1.16	-	42.63	32.90	5.74	34.65

802.11g_Nss1,(6Mbps)_1TX

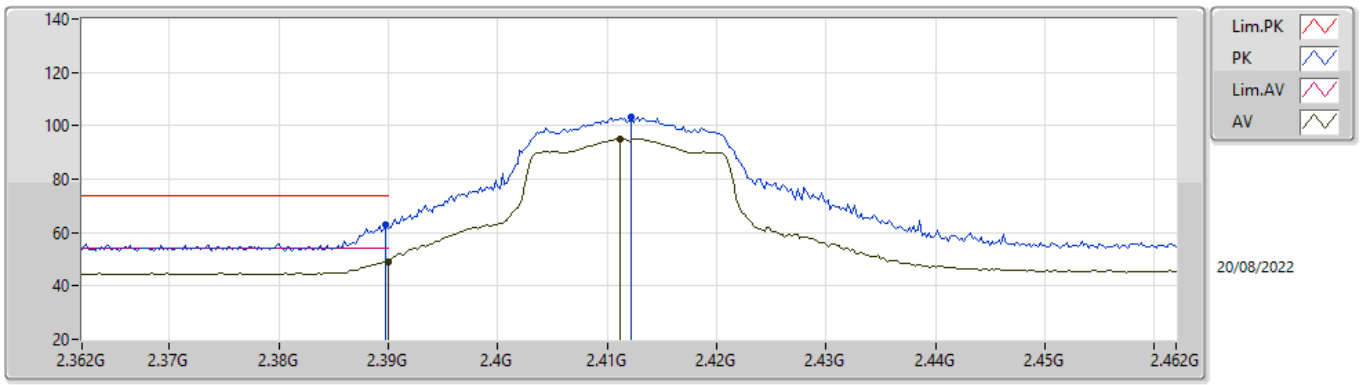
2462MHz_TX



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	4.92401G	34.74	54.00	-19.26	3.99	3	Horizontal	31	2.73	-	30.75	32.90	5.74	34.65
PK	4.92269G	45.21	74.00	-28.79	3.98	3	Horizontal	31	2.73	-	41.23	32.89	5.74	34.65

802.11n HT20_Nss1,(MCS0)_1TX

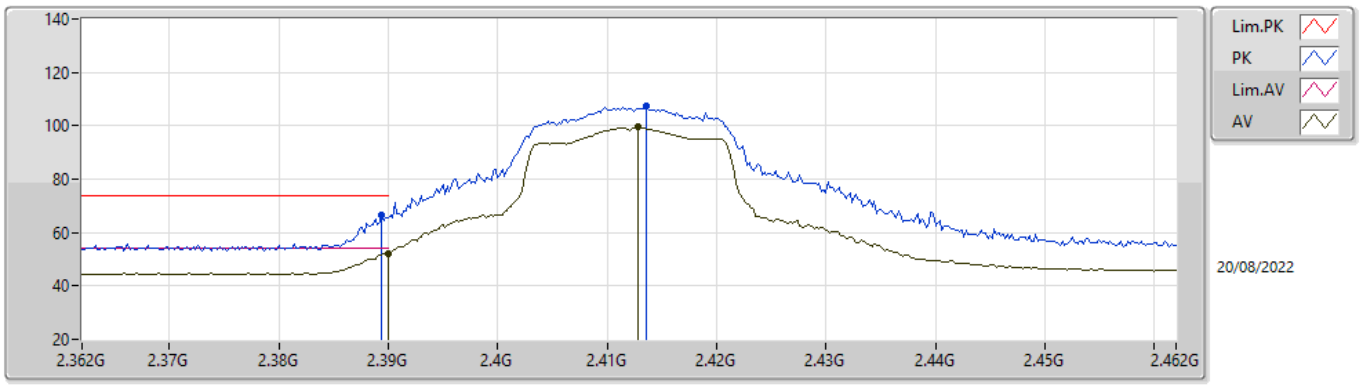
2412MHz_TX



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	2.39G	49.18	54.00	-4.82	31.60	3	Vertical	46	2.64	-	17.58	27.44	4.16	-
AV	2.4112G	95.23	Inf	-Inf	31.70	3	Vertical	46	2.64	-	63.53	27.52	4.18	-
PK	2.3898G	62.93	74.00	-11.07	31.60	3	Vertical	46	2.64	-	31.33	27.44	4.16	-
PK	2.4122G	103.15	Inf	-Inf	31.70	3	Vertical	46	2.64	-	71.45	27.52	4.18	-

802.11n HT20_Nss1,(MCS0)_1TX

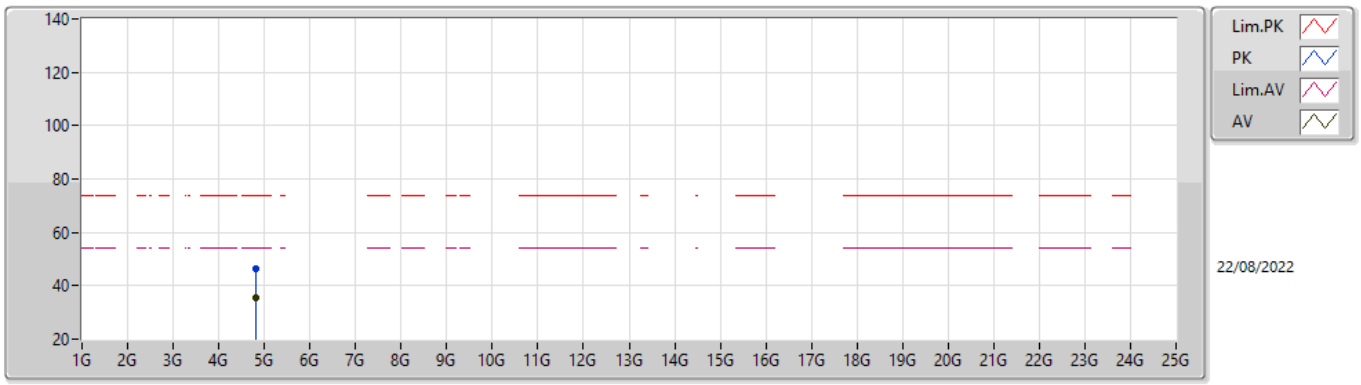
2412MHz_TX



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	2.39G	52.32	54.00	-1.68	31.60	3	Horizontal	165	1.62	-	20.72	27.44	4.16	-
AV	2.4128G	99.52	Inf	-Inf	31.71	3	Horizontal	165	1.62	-	67.81	27.53	4.18	-
PK	2.3894G	66.34	74.00	-7.66	31.60	3	Horizontal	165	1.62	-	34.74	27.44	4.16	-
PK	2.4136G	107.52	Inf	-Inf	31.71	3	Horizontal	165	1.62	-	75.81	27.53	4.18	-

802.11n HT20_Nss1,(MCS0)_1TX

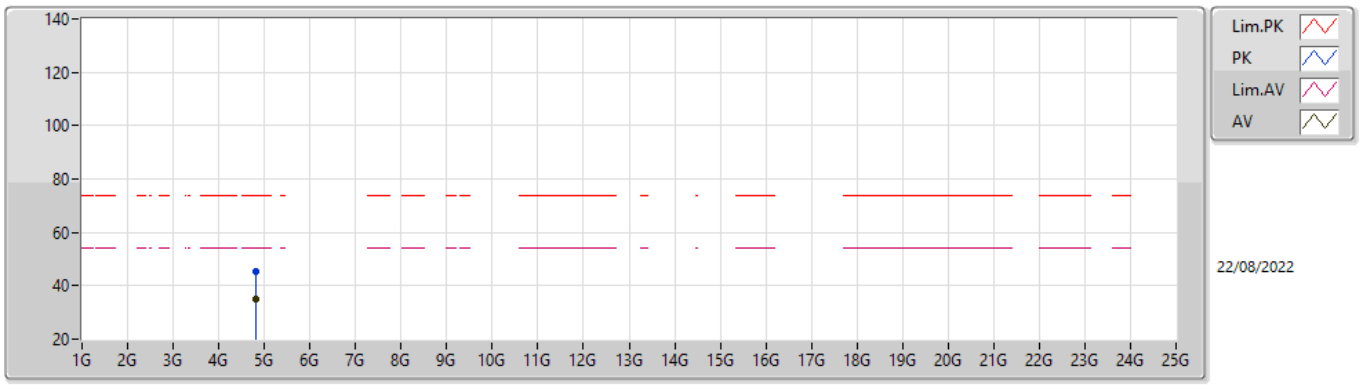
2412MHz_TX



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	4.82406G	35.60	54.00	-18.40	3.47	3	Vertical	171	1.10	-	32.13	32.44	5.68	34.65
PK	4.82369G	46.53	74.00	-27.47	3.47	3	Vertical	171	1.10	-	43.06	32.44	5.68	34.65

802.11n HT20_Nss1,(MCS0)_1TX

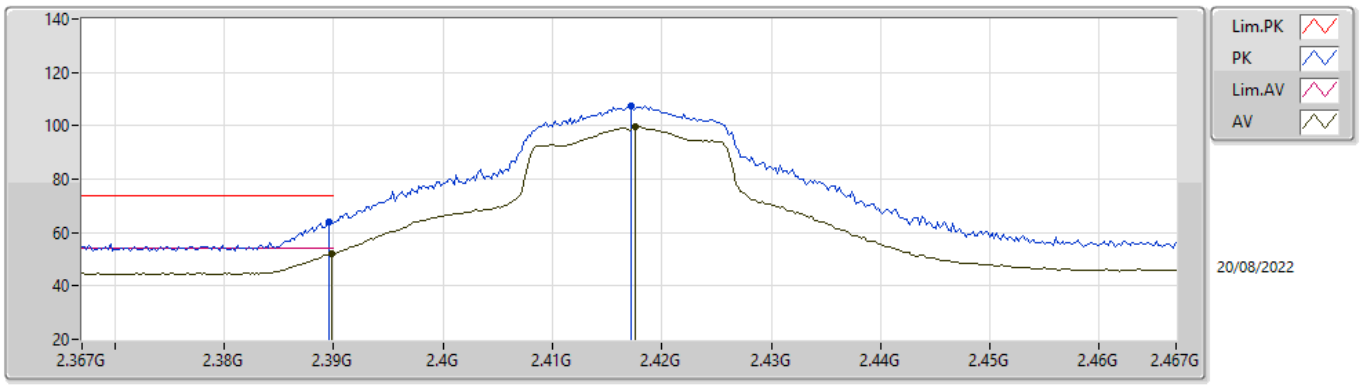
2412MHz_TX



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	4.82401G	34.75	54.00	-19.25	3.47	3	Horizontal	37	2.79	-	31.28	32.44	5.68	34.65
PK	4.82396G	45.55	74.00	-28.45	3.47	3	Horizontal	37	2.79	-	42.08	32.44	5.68	34.65

802.11n HT20_Nss1,(MCS0)_1TX

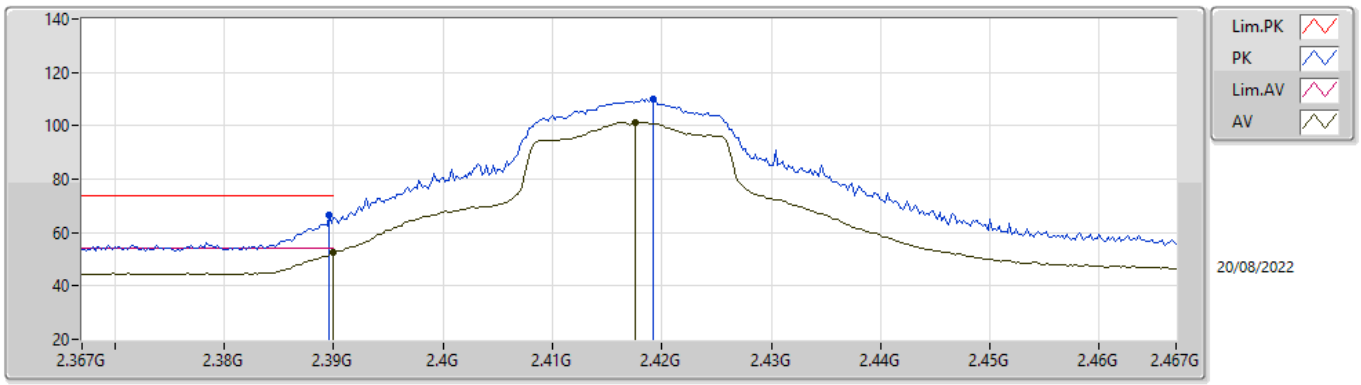
2417MHz_TX



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	2.3898G	52.07	54.00	-1.93	31.60	3	Vertical	89	1.50	-	20.47	27.44	4.16	-
AV	2.4176G	99.43	Inf	-Inf	31.72	3	Vertical	89	1.50	-	67.71	27.54	4.18	-
PK	2.3896G	63.85	74.00	-10.15	31.60	3	Vertical	89	1.50	-	32.25	27.44	4.16	-
PK	2.4172G	107.58	Inf	-Inf	31.71	3	Vertical	89	1.50	-	75.87	27.53	4.18	-

802.11n HT20_Nss1,(MCS0)_1TX

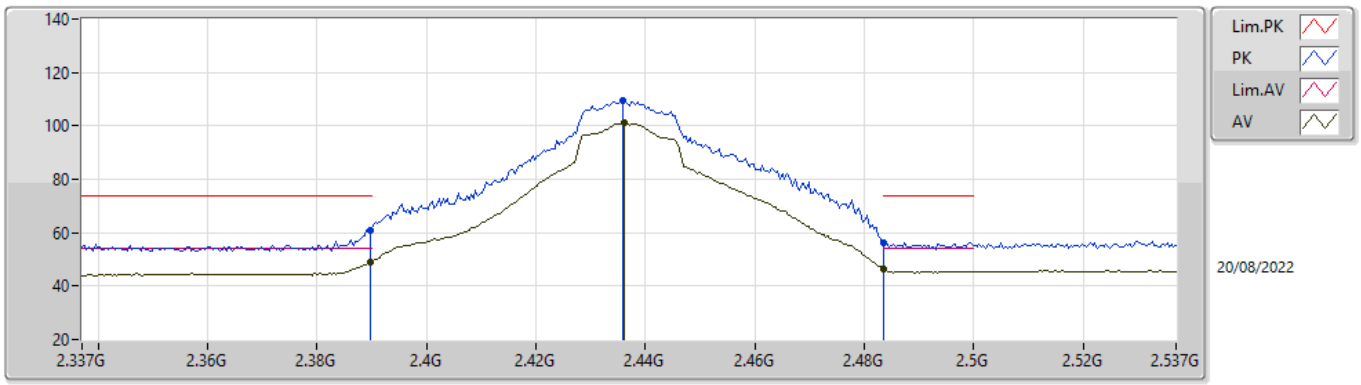
2417MHz_TX



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	2.39G	52.42	54.00	-1.58	31.60	3	Horizontal	166	1.38	-	20.82	27.44	4.16	-
AV	2.4176G	101.44	Inf	-Inf	31.72	3	Horizontal	166	1.38	-	69.72	27.54	4.18	-
PK	2.3896G	66.63	74.00	-7.37	31.60	3	Horizontal	166	1.38	-	35.03	27.44	4.16	-
PK	2.4192G	110.17	Inf	-Inf	31.72	3	Horizontal	166	1.38	-	78.45	27.54	4.18	-

802.11n HT20_Nss1,(MCS0)_1TX

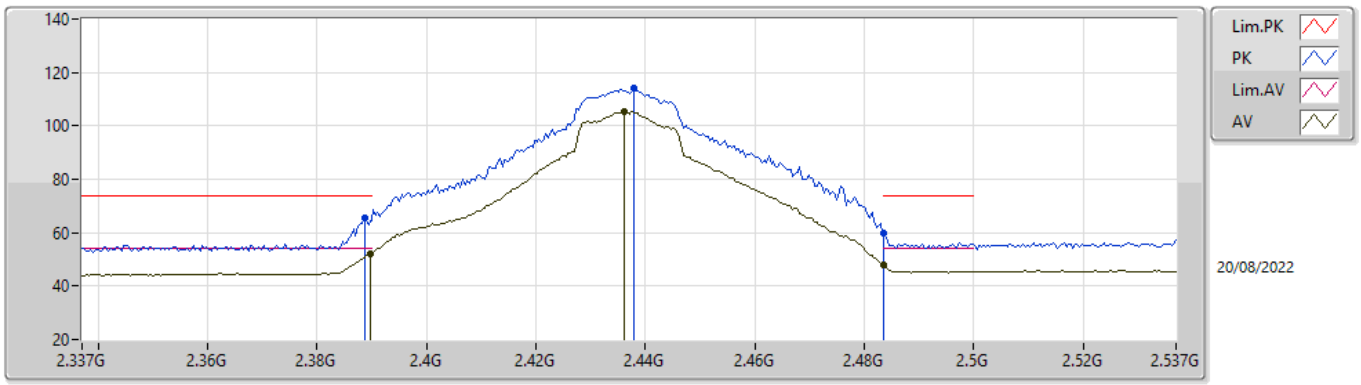
2437MHz_TX



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	49.03	54.00	-4.97	31.60	3	Vertical	85	1.00	-	17.43	27.44	4.16	-
AV	2.4362G	101.28	Inf	-Inf	31.76	3	Vertical	85	1.00	-	69.52	27.57	4.19	-
AV	2.4835G	46.43	54.00	-7.57	32.02	3	Vertical	85	1.00	-	14.41	27.80	4.22	-
PK	2.3898G	61.02	74.00	-12.98	31.60	3	Vertical	85	1.00	-	29.42	27.44	4.16	-
PK	2.4358G	109.30	Inf	-Inf	31.76	3	Vertical	85	1.00	-	77.54	27.57	4.19	-
PK	2.4835G	56.33	74.00	-17.67	32.02	3	Vertical	85	1.00	-	24.31	27.80	4.22	-

802.11n HT20_Nss1,(MCS0)_1TX

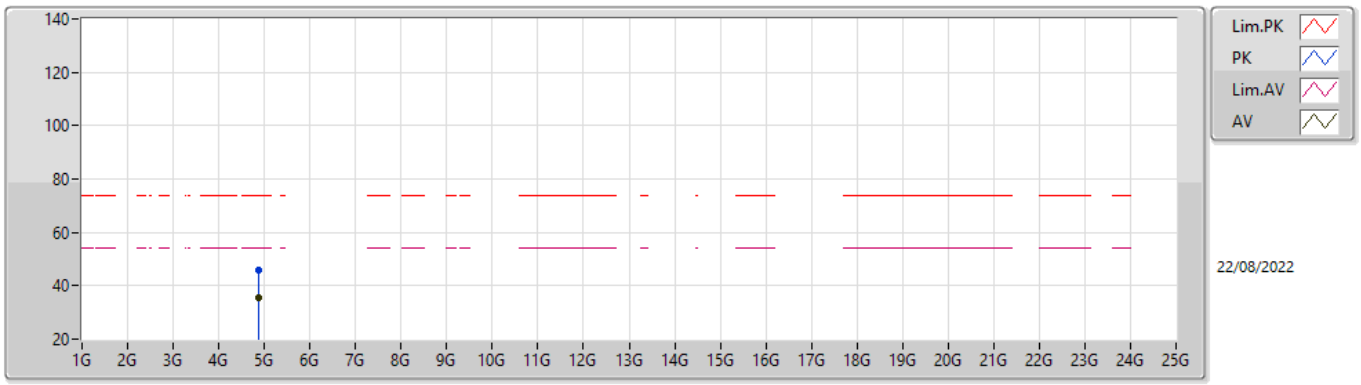
2437MHz_TX



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	52.17	54.00	-1.83	31.60	3	Horizontal	162	2.14	-	20.57	27.44	4.16	-
AV	2.4362G	105.58	Inf	-Inf	31.76	3	Horizontal	162	2.14	-	73.82	27.57	4.19	-
AV	2.4835G	47.76	54.00	-6.24	32.02	3	Horizontal	162	2.14	-	15.74	27.80	4.22	-
PK	2.3886G	65.48	74.00	-8.52	31.59	3	Horizontal	162	2.14	-	33.89	27.43	4.16	-
PK	2.4378G	113.96	Inf	-Inf	31.77	3	Horizontal	162	2.14	-	82.19	27.58	4.19	-
PK	2.4835G	59.60	74.00	-14.40	32.02	3	Horizontal	162	2.14	-	27.58	27.80	4.22	-

802.11n HT20_Nss1,(MCS0)_1TX

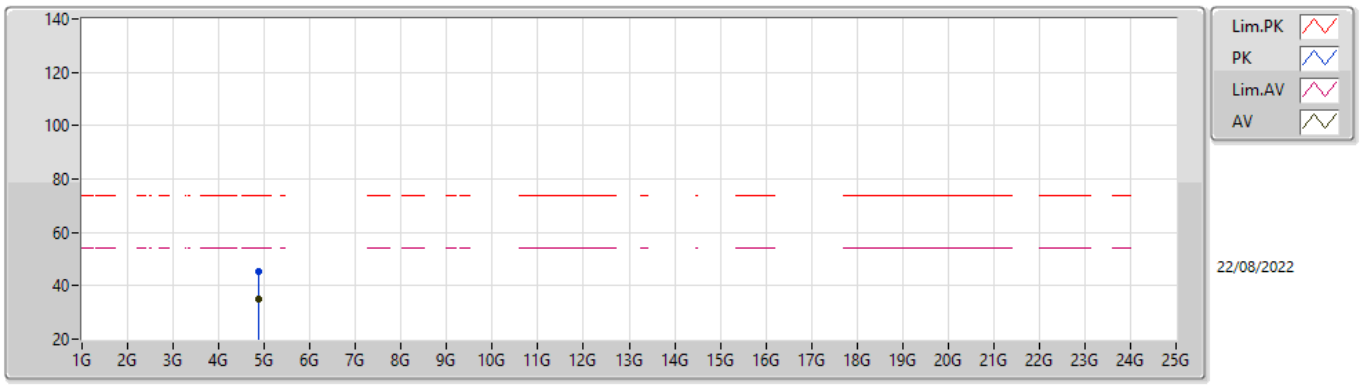
2437MHz_TX



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	4.87403G	35.37	54.00	-18.63	3.76	3	Vertical	170	1.13	-	31.61	32.70	5.71	34.65
PK	4.87299G	45.67	74.00	-28.33	3.75	3	Vertical	170	1.13	-	41.92	32.69	5.71	34.65

802.11n HT20_Nss1,(MCS0)_1TX

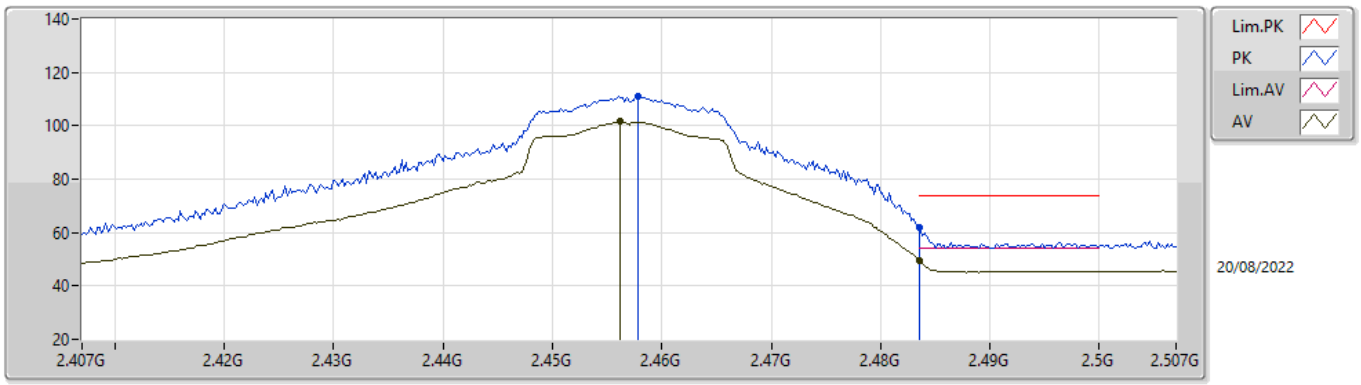
2437MHz_TX



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	4.87402G	35.01	54.00	-18.99	3.76	3	Horizontal	32	2.73	-	31.25	32.70	5.71	34.65
PK	4.87435G	45.48	74.00	-28.52	3.76	3	Horizontal	32	2.73	-	41.72	32.70	5.71	34.65

802.11n HT20_Nss1,(MCS0)_1TX

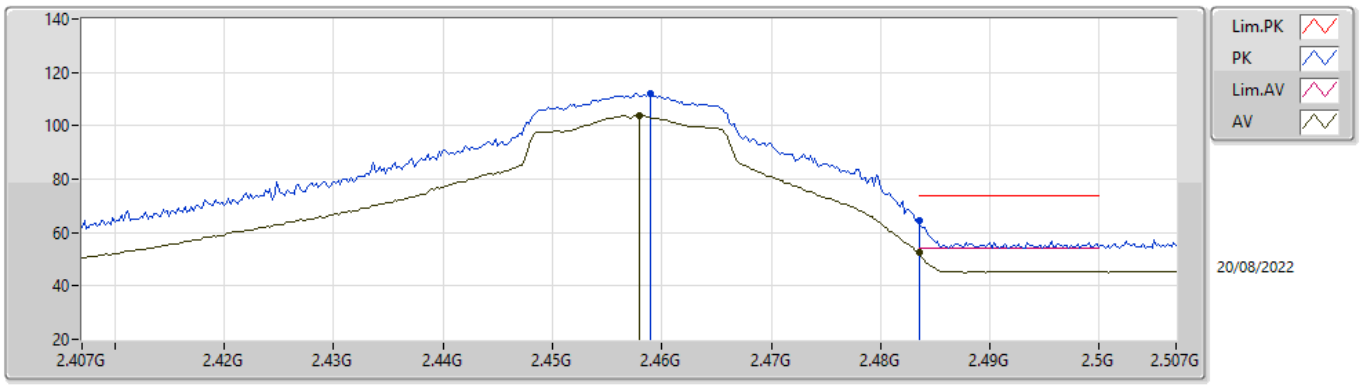
2457MHz_TX



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	2.4562G	101.55	Inf	-Inf	31.84	3	Vertical	0	2.87	-	69.71	27.64	4.20	-
AV	2.4835G	49.55	54.00	-4.45	32.02	3	Vertical	0	2.87	-	17.53	27.80	4.22	-
PK	2.4578G	111.08	Inf	-Inf	31.85	3	Vertical	0	2.87	-	79.23	27.65	4.20	-
PK	2.4835G	61.86	74.00	-12.14	32.02	3	Vertical	0	2.87	-	29.84	27.80	4.22	-

802.11n HT20_Nss1,(MCS0)_1TX

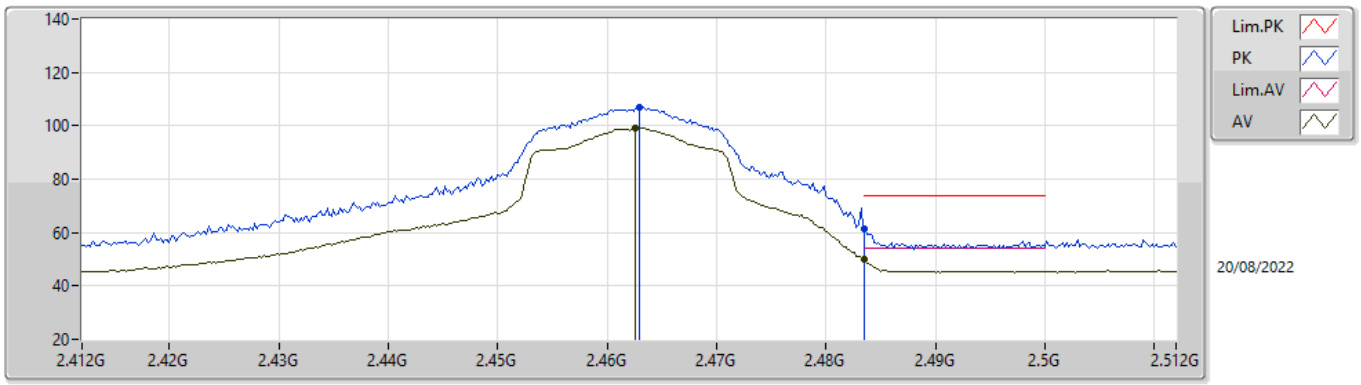
2457MHz_TX



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	2.458G	103.90	Inf	-Inf	31.85	3	Horizontal	167	1.63	-	72.05	27.65	4.20	-
AV	2.4835G	52.41	54.00	-1.59	32.02	3	Horizontal	167	1.63	-	20.39	27.80	4.22	-
PK	2.459G	111.87	Inf	-Inf	31.86	3	Horizontal	167	1.63	-	80.01	27.65	4.21	-
PK	2.4835G	64.42	74.00	-9.58	32.02	3	Horizontal	167	1.63	-	32.40	27.80	4.22	-

802.11n HT20_Nss1,(MCS0)_1TX

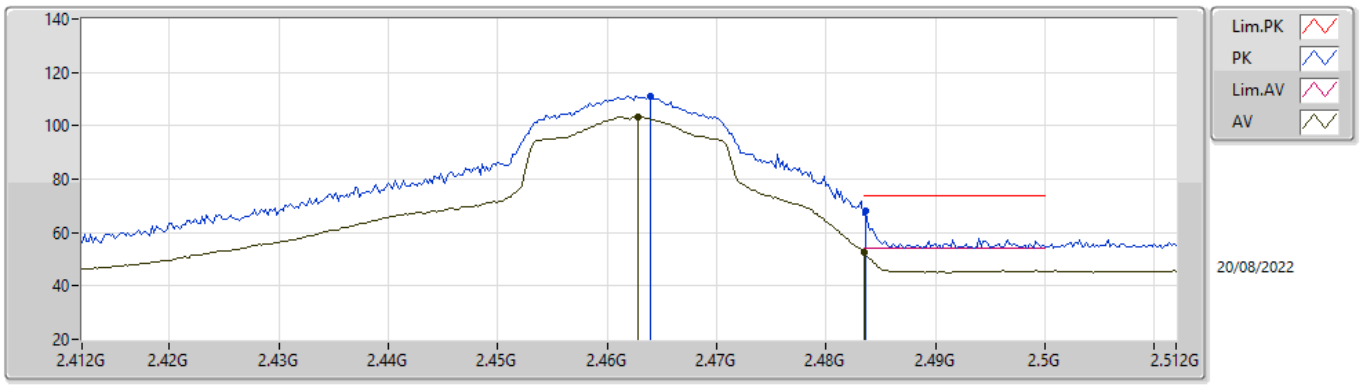
2462MHz_TX



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	2.4626G	99.33	Inf	-Inf	31.89	3	Vertical	49	1.91	-	67.44	27.68	4.21	-
AV	2.4835G	49.78	54.00	-4.22	32.02	3	Vertical	49	1.91	-	17.76	27.80	4.22	-
PK	2.463G	107.08	Inf	-Inf	31.89	3	Vertical	49	1.91	-	75.19	27.68	4.21	-
PK	2.4835G	61.50	74.00	-12.50	32.02	3	Vertical	49	1.91	-	29.48	27.80	4.22	-

802.11n HT20_Nss1,(MCS0)_1TX

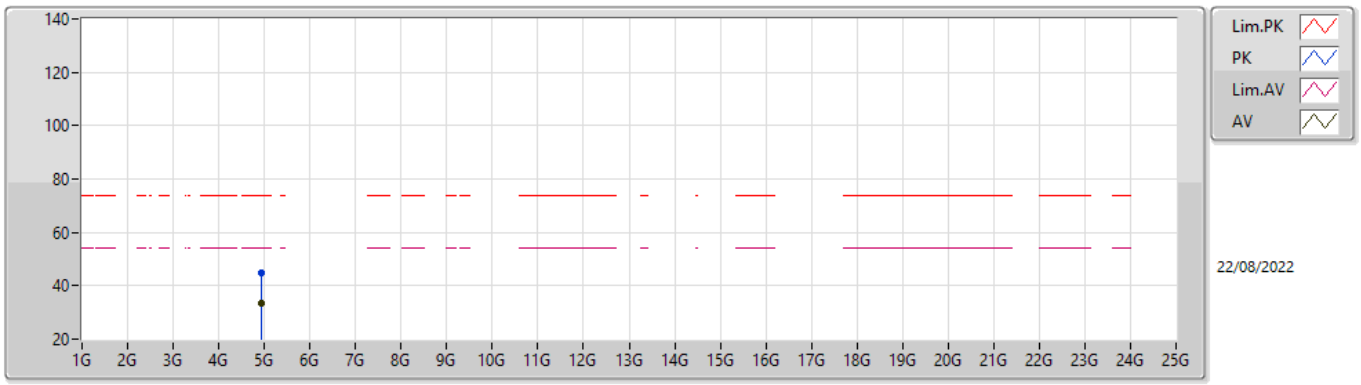
2462MHz_TX



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	2.4628G	103.47	Inf	-Inf	31.89	3	Horizontal	165	2.34	-	71.58	27.68	4.21	-
AV	2.4835G	52.59	54.00	-1.41	32.02	3	Horizontal	165	2.34	-	20.57	27.80	4.22	-
PK	2.464G	111.01	Inf	-Inf	31.89	3	Horizontal	165	2.34	-	79.12	27.68	4.21	-
PK	2.4836G	67.88	74.00	-6.12	32.02	3	Horizontal	165	2.34	-	35.86	27.80	4.22	-

802.11n HT20_Nss1,(MCS0)_1TX

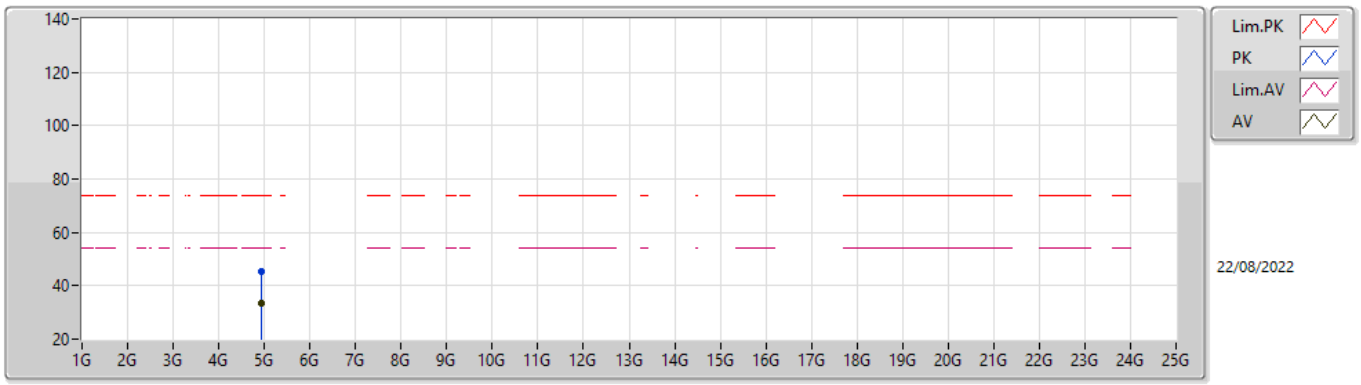
2462MHz_TX



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	4.92268G	33.66	54.00	-20.34	3.98	3	Vertical	312	2.31	-	29.68	32.89	5.74	34.65
PK	4.92442G	44.84	74.00	-29.16	3.99	3	Vertical	312	2.31	-	40.85	32.90	5.74	34.65

802.11n HT20_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	4.92G	33.66	54.00	-20.34	3.97	3	Horizontal	254	1.60	-	29.69	32.88	5.74	34.65
PK	4.92246G	45.10	74.00	-28.90	3.98	3	Horizontal	254	1.60	-	41.12	32.89	5.74	34.65