FCC Test Report

FCC ID	:	**IPH-05047**
Equipment	:	**Meter/IVI**
Model No.	:	**HAWW**
Brand Name	:	**GARMIN**
Applicant	:	**Garmin International, Inc.**
Address	:	**1200 E. 151st Street Olathe, KS 66062 United States**
Standard	:	**47 CFR FCC Part 15.247**
Received Date	:	**Feb. 12, 2025**
Tested Date	:	**Feb. 14 ~ Oct. 23, 2025**

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: **Approved by:**

Along Chen / Assistant Manager **Gary Chang / Manager**

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Release Record

Report No.	Version	Description	Issued Date
FR521201AC	Rev. 01	Initial issue	Nov. 27, 2025

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	Note[1]	N/A
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 60MHz 36.58 (Margin -3.42dB) - PK	Pass
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: 20.43	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass
N/A means Not Applicable. Note[1]: The EUT consumes DC power from battery, so the test is not required.			

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:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
2400-2483.5	b	2412-2462	1-11 [11]	1	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	1	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	1	MCS 0-7
2400-2483.5	ax (HE20)	2412-2462	1-11 [11]	1	MCS 0-11
Note 1: RF output power specifies that Maximum Conducted (Average) Output Power. Note 2: DSSS-DBPSK, DQPSK, CCK modulation OFDM - BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.					

1.1.2 Antenna Details

Brand	Model	Type	Connector	Gain (dBi)		
				2400~2483.5MHz	5150~5250MHz	5725~5850MHz
INPAQ	700-00228-10	PCB	IPEX	3.96	2.19	1.95

1.1.3 Configuration of Equipment under Test (EUT)

Power Supply Type	DC 12V

1.1.4 Accessories

N/A

1.1.5 Channel List

Channel	Frequency(MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

1.1.6 Test Tool and Duty Cycle

Test Tool	Dut labtool, Version: 2.0.0.36.1		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11b	99.94%	0.00
	11g	99.17%	0.04
	ax HE20	98.83%	0.05

1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	11
11b	2437	11
11b	2462	11
11g	2412	11
11g	2437	11
11g	2462	11
ax HE20	2412	11
ax HE20	2437	11
ax HE20	2462	11

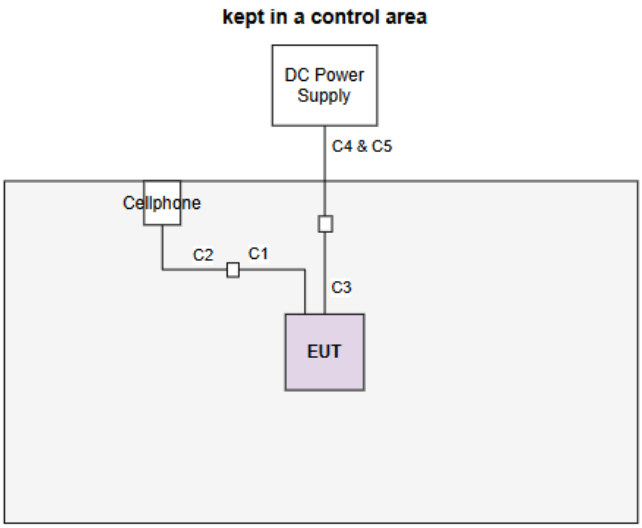
1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Cellphone	SAMSUNG	SM-A530F/DS	---	---
2	DC Power Supply	GWINSTEK	GPC-60300	---	---
3	Laptop	DELL	Latitude 3440	DoC	---
C1	Fixture with USB cable	GARMIN	HAWW_V2 HAWW_USB	---	Provided by applicant.
C2	Samsung USB cable	Samsung	EP-DA705BWE GWW	---	---
C3	Power cable	GARMIN	HAWW_20P	---	Provided by applicant.
C4	DC Cable	ICC	DCC-10m-R	---	---
C5	DC Cable	ICC	DCC-10m-B	---	---

Note: The support laptop was disconnected from the EUT and was removed from testing table after sending command to EUT to transmit continuously.

1.3 Test Setup Chart

Test Setup Diagram



No.	Signal cable / Length (m)
C1	Fixture with USB cable, 0.34m shielded.
C2	USB, 1m shielded.
C3	Power cable, 0.15m non-shielded.
C4-C5	Power cable, 10m non-shielded.

1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Feb. 14, 2025				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 05, 2024	Mar. 04, 2025
Spectrum Analyzer	R&S	FSV40	101499	Apr. 02, 2024	Apr. 01, 2025
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jul. 02, 2024	Jul. 01, 2025
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 20, 2024	Dec. 19, 2025
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 18, 2024	Nov. 17, 2025
Preamplifier	EMC	EMC02325	980187	Jun. 27, 2024	Jun. 26, 2025
Preamplifier	EMC	EMC118A45SE	980897	Aug. 05, 2024	Aug. 04, 2025
Preamplifier	EMC	EMC184045SE	980903	Jul. 30, 2024	Jul. 29, 2025
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 02, 2024	Oct. 01, 2025
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Sep. 20, 2024	Sep. 19, 2025
LF cable-3M	EMC	EMC8D-NM-NM-300 0	131103	Sep. 20, 2024	Sep. 19, 2025
LF cable-13M	EMC	EMC8D-NM-NM-130 00	131104	Sep. 20, 2024	Sep. 19, 2025
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 20, 2024	Sep. 19, 2025
RF cable-8M	EMC	EMC104-SM-SM-80 00	181107	Sep. 20, 2024	Sep. 19, 2025
Attenuator	Pasternack	PE7005-10	10-3	Sep. 20, 2024	Sep. 19, 2025
HIGHPASS FILTER	WI	WHK3.1-18G-10SS	43	Sep. 20, 2024	Sep. 19, 2025
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Oct. 23, 2025				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2025	Apr. 17, 2026
Power Meter	Anritsu	ML2495A	1241002	Nov. 26, 2024	Nov. 25, 2025
Power Sensor	Anritsu	MA2411B	1207366	Nov. 26, 2024	Nov. 25, 2025
Attenuator	Pasternack	PE7005-10	10-2	Oct. 03, 2025	Oct. 02, 2026
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.247
ANSI C63.10-2020
ANSI C63.4-2014 + C63.4a-2017

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	**Uncertainty**
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Unwanted Emission ≤ 1GHz	±3.96 dB
Unwanted Emission > 1GHz	±4.51 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)
Test Site	03CH03-WS
Address of Test Site	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISED#: 10807C
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Unwanted Emissions ≤ 1GHz	ax HE20	2437	MCS 0	---
Unwanted Emissions >1GHz Conducted Output Power 6dB bandwidth Power spectral density	11b 11g ax HE20	2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462	1 Mbps 6 Mbps MCS 0	---

3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

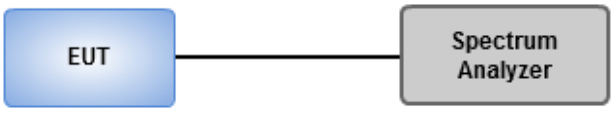
6dB Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Peak, Trace mode = max hold.
3. Sweep = No faster than coupled (auto) time, Allow the trace to stabilize.
4. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “−6 dB down amplitude”. If a marker is below this “−6 dB down amplitude” value, then it shall be as close as possible to this value

Occupied Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Sample, Trace mode = max hold.
3 Sweep = auto couple, Allow the trace to stabilize.
4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	24°C / 62%	Tested By	Roger Lu

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

Antenna gain > 6dBi

Non Fixed, point to point operations.
The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB

Fixed, point to point operations
Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup

3.2.4 Test Results

Ambient Condition	24°C / 62%	**Tested By**	Roger Lu

Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

Peak PSD

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = Peak, Sweep time = auto couple.
3. Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle ≥ 98%

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = RMS, Sweep time = auto couple.
3. Sweep time = auto couple.
4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle < 98%

1 Set the RBW = 3 kHz, VBW = 10 kHz

2 Detector = RMS, Sweep time = auto couple.

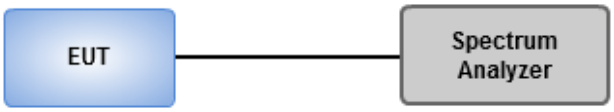
3 Sweep time = auto couple.

4 Employ trace averaging (RMS) mode over a minimum of 100 traces.

5 Use the peak marker function to determine the maximum amplitude level.

6 Add 10 log (1/x), where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	24°C / 62%	**Tested By**	Roger Lu

Refer to Appendix C.

3.4 Unwanted Emissions into Restricted Frequency Bands

3.4.1 Limit of Unwanted Emissions into Restricted Frequency Bands

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:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.4.2 Test Procedures

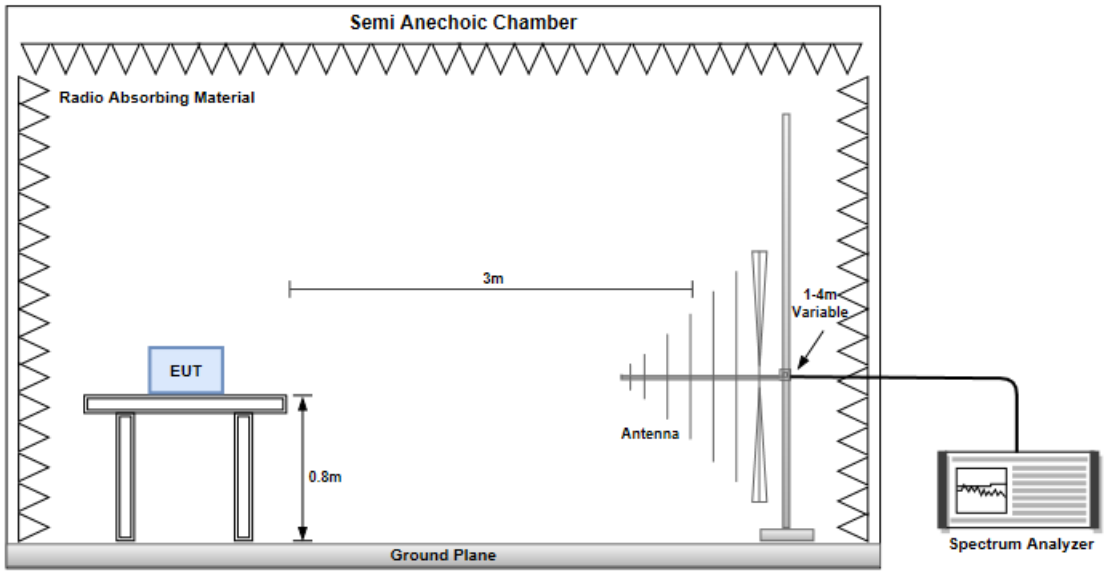
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

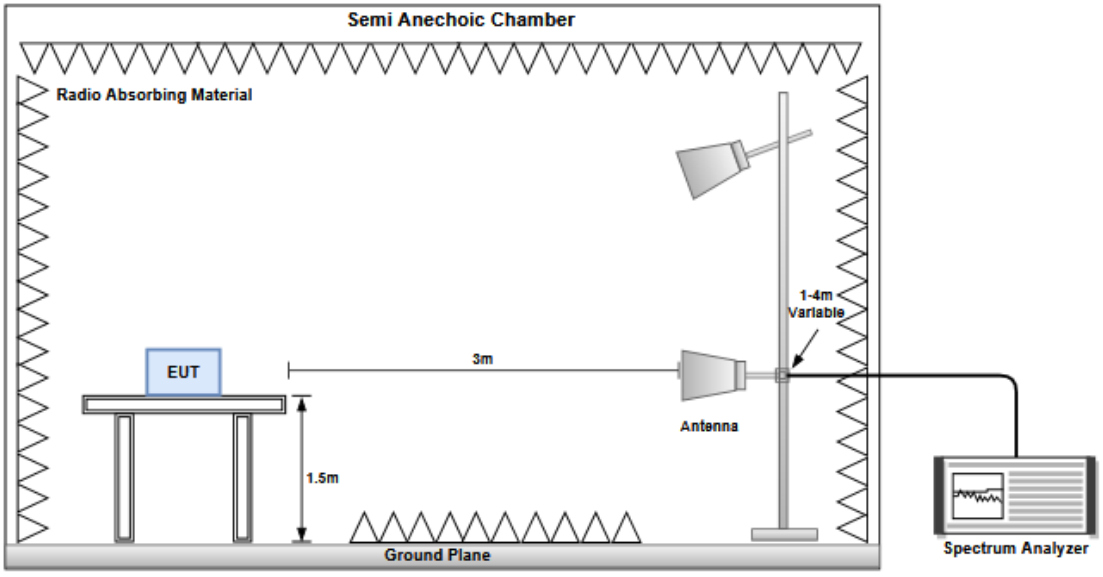
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Ambient Condition	21°C / 67%	Tested By	Sean Yu

Refer to Appendix D.

3.5 Emissions in Non-Restricted Frequency Bands

3.5.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

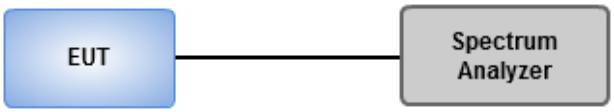
Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	24°C / 62%	**Tested By**	Roger Lu

Refer to Appendix E.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website https://www.icertifi.com.tw.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

==END==

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	10.15M	13.368M	13M4G1D	10.15M	13.318M
802.11g_Nss1,(6Mbps)_1TX	16.4M	16.617M	16M6D1D	16.4M	16.592M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.775M	18.766M	18M8D1D	18.725M	18.741M

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

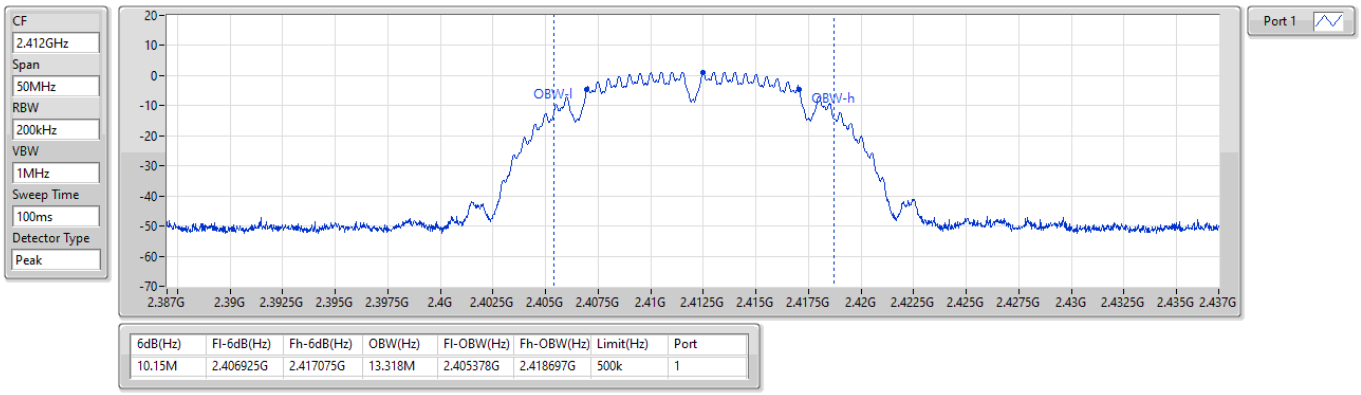
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.15M	13.318M
2437MHz	Pass	500k	10.15M	13.318M
2462MHz	Pass	500k	10.15M	13.368M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.4M	16.617M
2437MHz	Pass	500k	16.4M	16.617M
2462MHz	Pass	500k	16.4M	16.592M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.775M	18.741M
2437MHz	Pass	500k	18.75M	18.766M
2462MHz	Pass	500k	18.725M	18.741M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

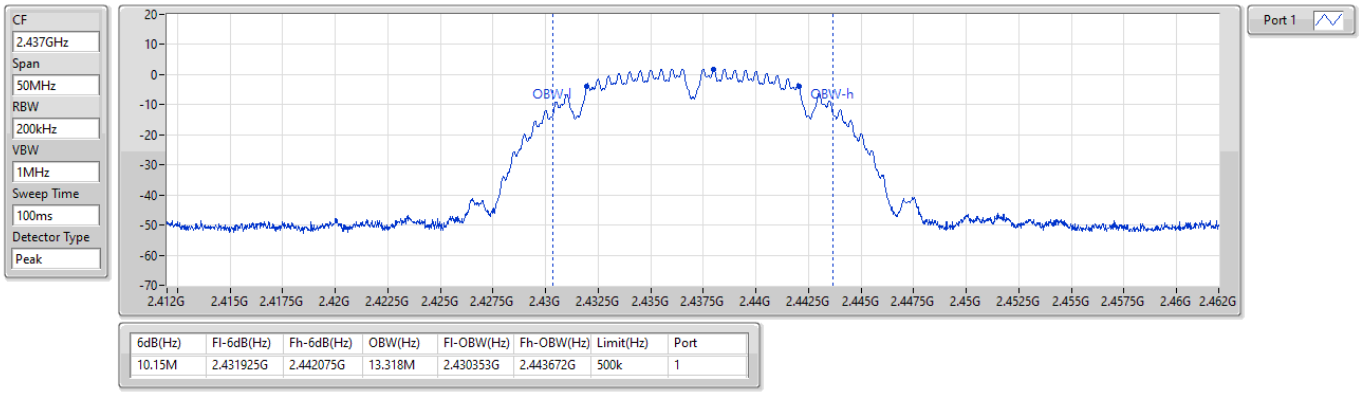
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.15M	2.406925G	2.417075G	13.318M	2.405378G	2.418697G	500k	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

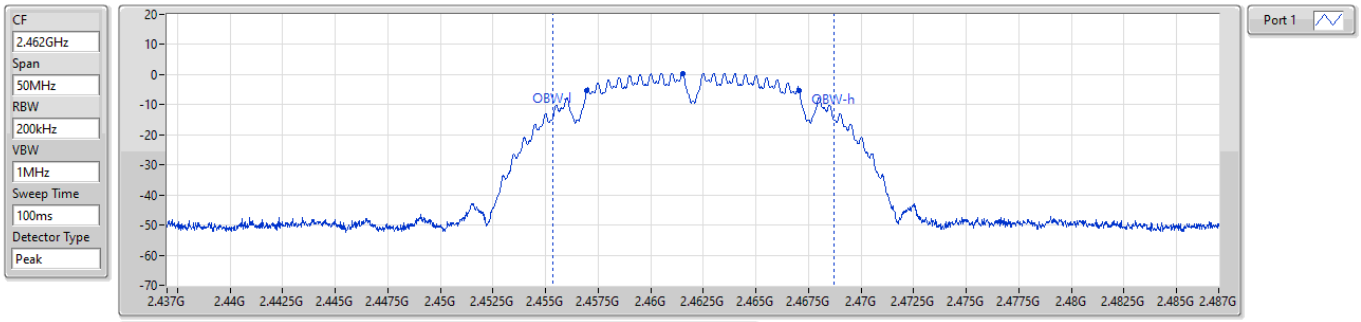
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.15M	2.431925G	2.442075G	13.318M	2.430353G	2.443672G	500k	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **EBW**

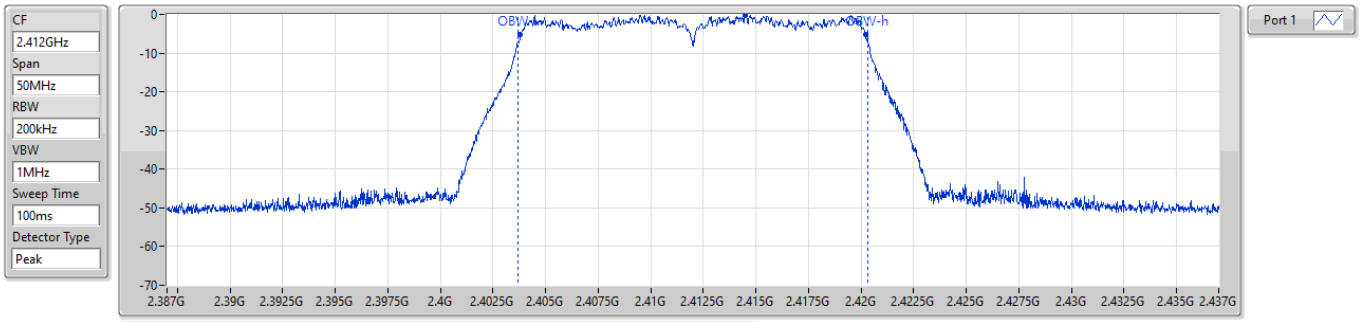
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.15M	2.456925G	2.467075G	13.368M	2.455328G	2.468697G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

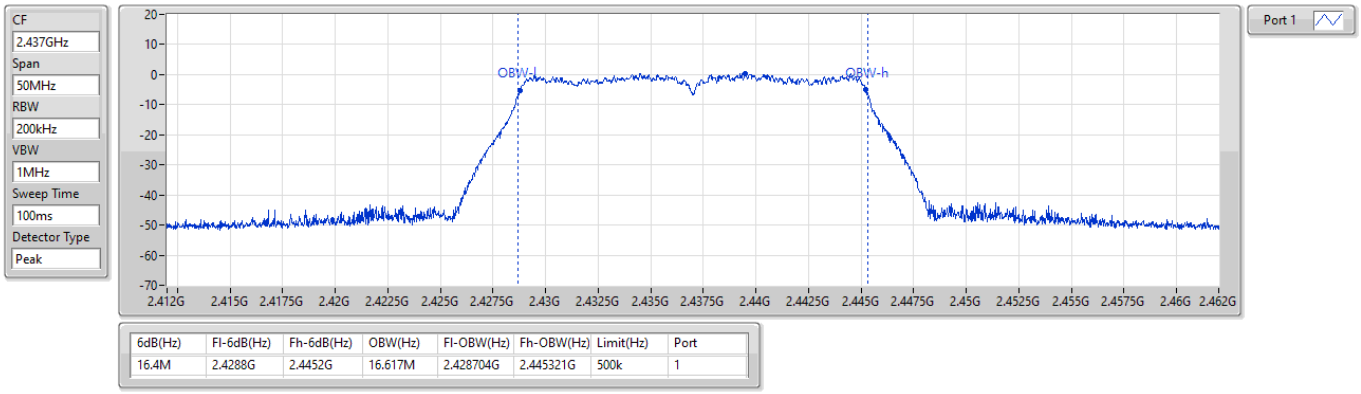
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.4038G	2.4202G	16.617M	2.403704G	2.420321G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

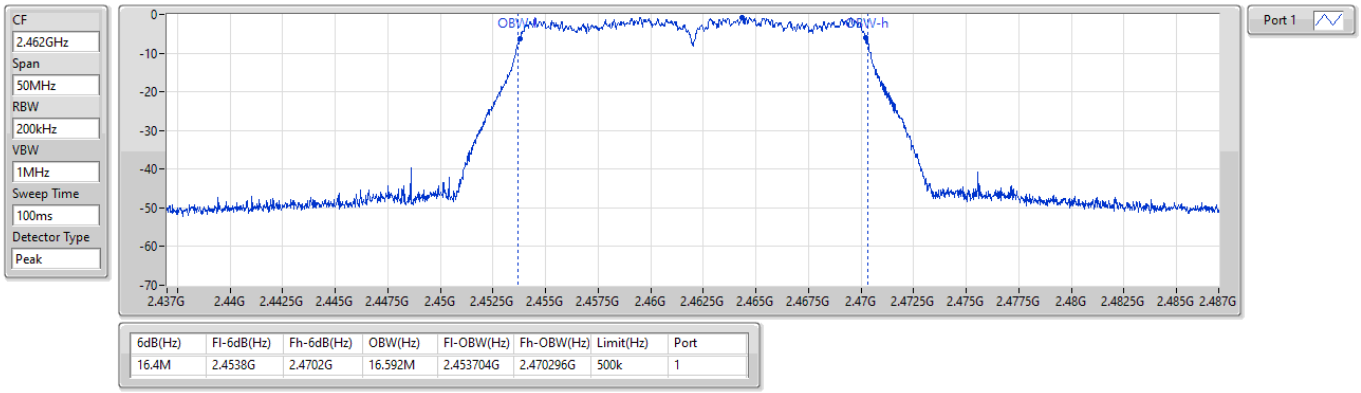
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.4288G	2.4452G	16.617M	2.428704G	2.445321G	500k	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **EBW**

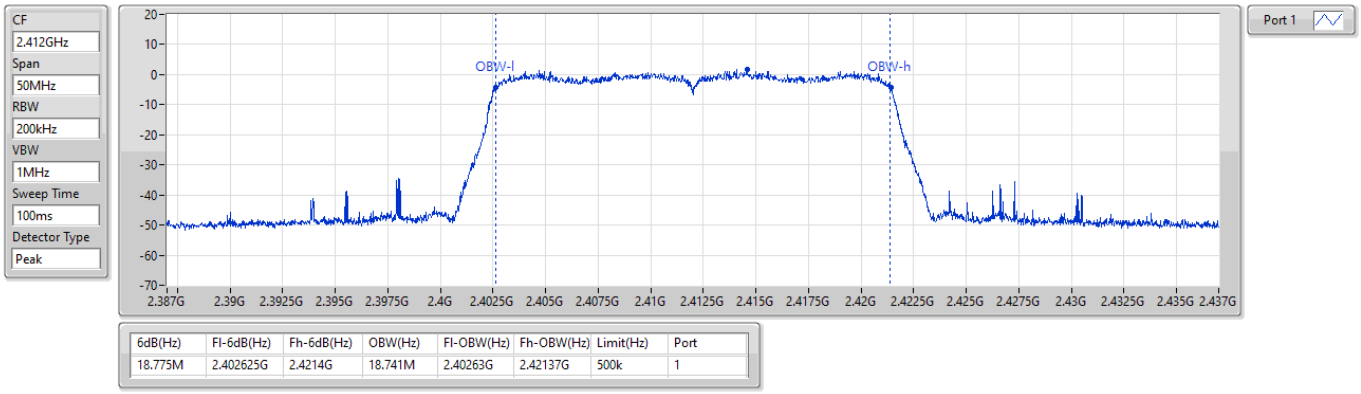
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.4538G	2.4702G	16.592M	2.453704G	2.470296G	500k	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

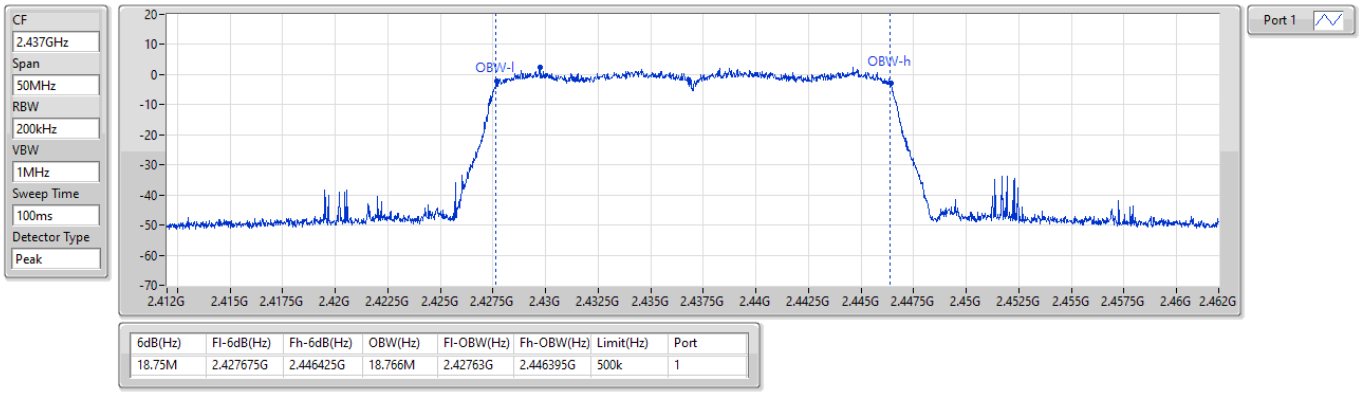
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.775M	2.402625G	2.4214G	18.741M	2.40263G	2.42137G	500k	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

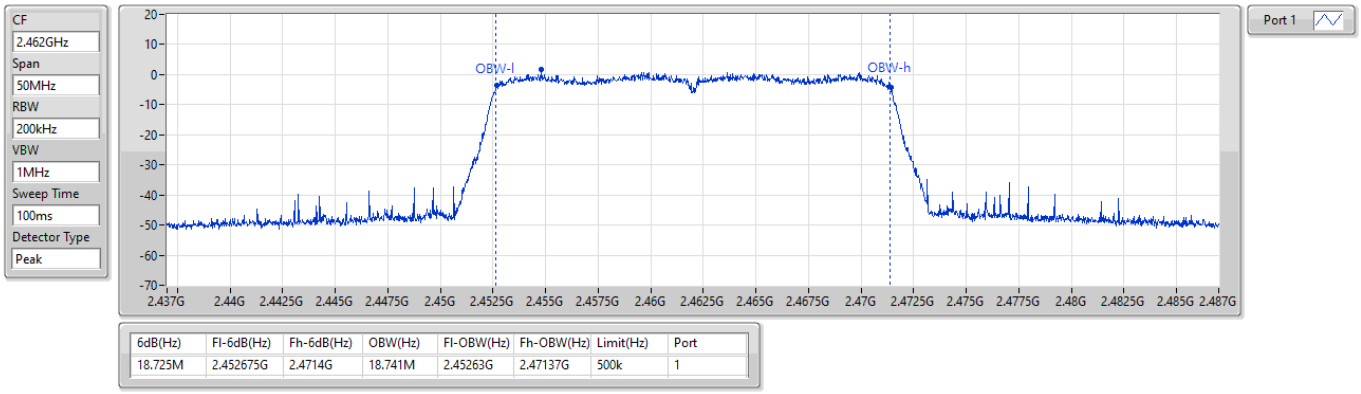
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	2.427675G	2.446425G	18.766M	2.42763G	2.446395G	500k	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **EBW**

2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.725M	2.452675G	2.4714G	18.741M	2.45263G	2.47137G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	13.02	0.02004
802.11g_Nss1,(6Mbps)_1TX	20.03	0.10069
802.11ax HEW20_Nss1,(MCS0)_1TX	20.43	0.11041

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	3.96	12.73	12.73	30.00	16.69	36.00
2437MHz	Pass	3.96	13.02	13.02	30.00	16.98	36.00
2462MHz	Pass	3.96	12.15	12.15	30.00	16.11	36.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	3.96	19.72	19.72	30.00	23.68	36.00
2437MHz	Pass	3.96	20.03	20.03	30.00	23.99	36.00
2462MHz	Pass	3.96	19.43	19.43	30.00	23.39	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	3.96	20.05	20.05	30.00	24.01	36.00
2437MHz	Pass	3.96	20.43	20.43	30.00	24.39	36.00
2462MHz	Pass	3.96	19.65	19.65	30.00	23.61	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	10.61	0.01151
802.11g_Nss1,(6Mbps)_1TX	10.72	0.01180
802.11ax HEW20_Nss1,(MCS0)_1TX	10.81	0.01205

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	3.96	10.23	10.23	-	14.19	-
2437MHz	Pass	3.96	10.61	10.61	-	14.57	-
2462MHz	Pass	3.96	9.75	9.75	-	13.71	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	3.96	10.31	10.31	-	14.27	-
2437MHz	Pass	3.96	10.72	10.72	-	14.68	-
2462MHz	Pass	3.96	9.91	9.91	-	13.87	-
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	3.96	10.38	10.38	-	14.34	-
2437MHz	Pass	3.96	10.81	10.81	-	14.77	-
2462MHz	Pass	3.96	9.95	9.95	-	13.91	-

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-7.85
802.11g_Nss1,(6Mbps)_1TX	-15.08
802.11ax HEW20_Nss1,(MCS0)_1TX	-14.50

RBW = 3kHz;

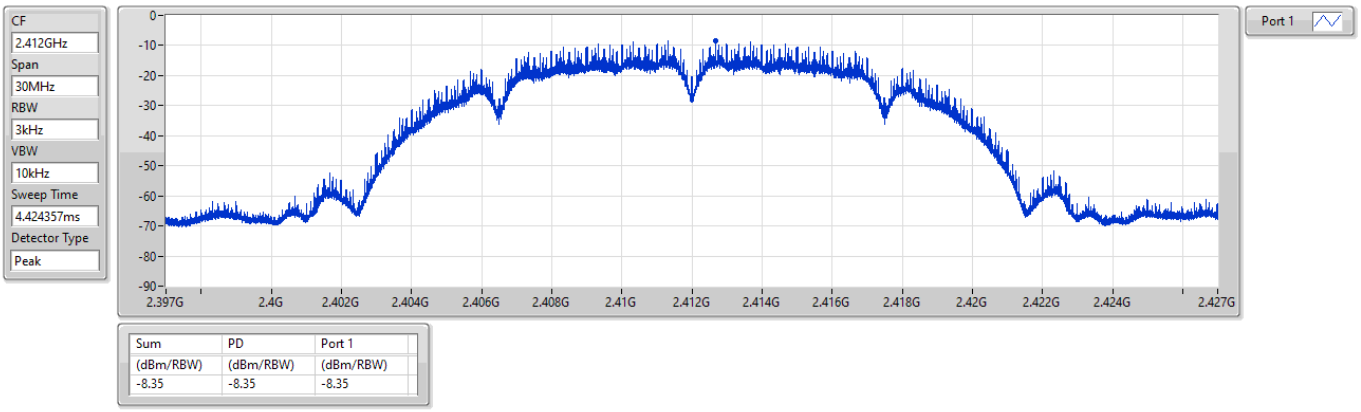
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.96	-8.35	-8.35	8.00
2437MHz	Pass	3.96	-7.85	-7.85	8.00
2462MHz	Pass	3.96	-9.18	-9.18	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.96	-16.08	-16.08	8.00
2437MHz	Pass	3.96	-15.08	-15.08	8.00
2462MHz	Pass	3.96	-16.65	-16.65	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.96	-15.41	-15.41	8.00
2437MHz	Pass	3.96	-14.50	-14.50	8.00
2462MHz	Pass	3.96	-15.91	-15.91	8.00

DG = Directional Gain; RBW = 3kHz;
PD = Power density; Port X = Port X Power Density;

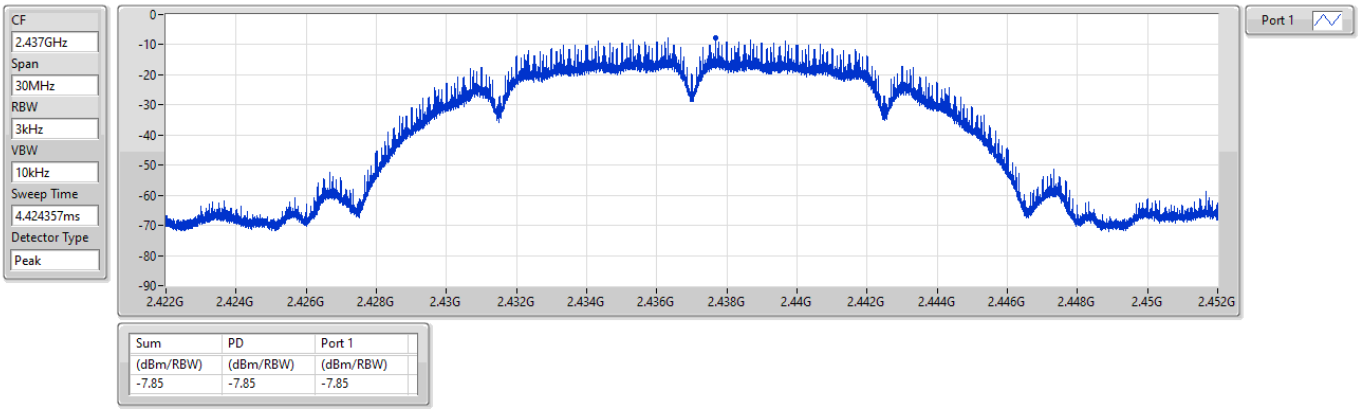
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2412MHz



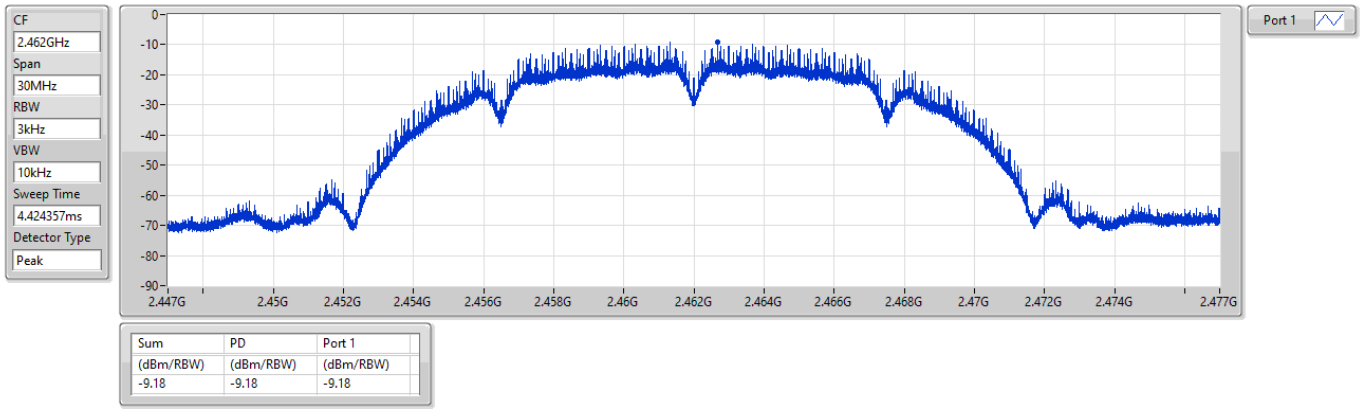
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

2437MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **PSD**

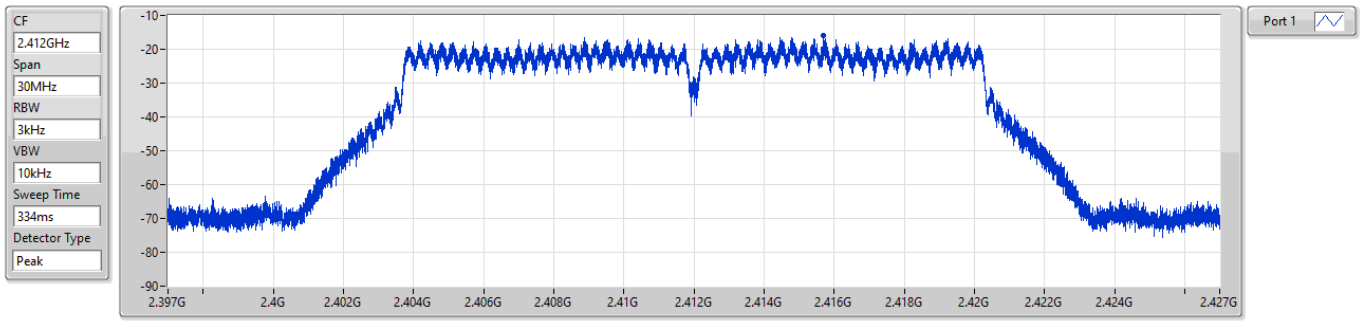
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.18	-9.18	-9.18

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

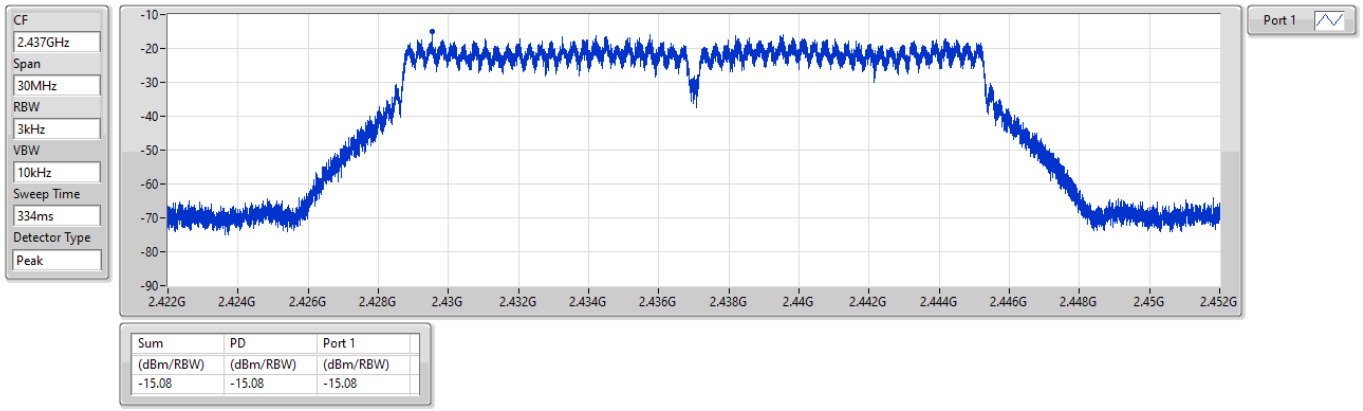
2412MHz



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

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

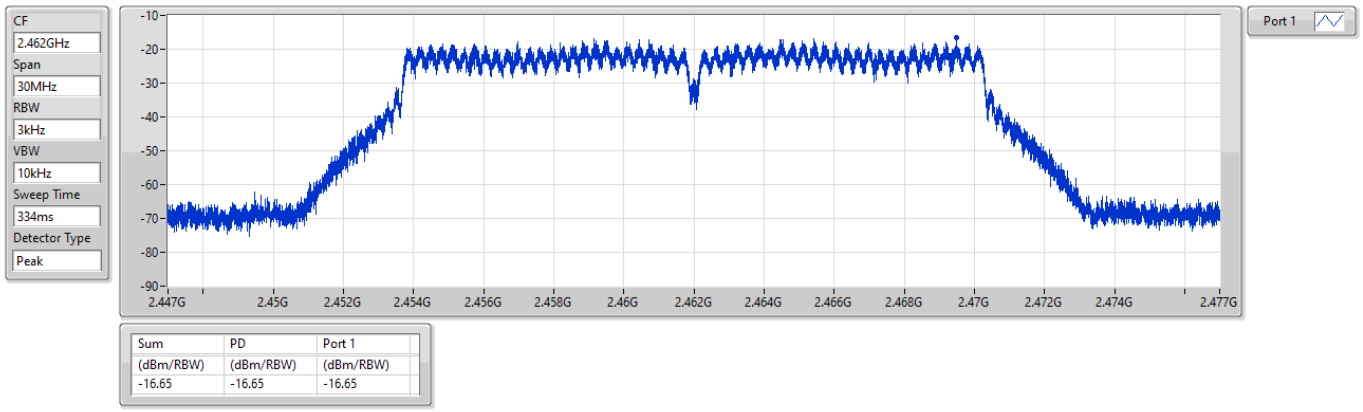
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.08	-15.08	-15.08

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **PSD**

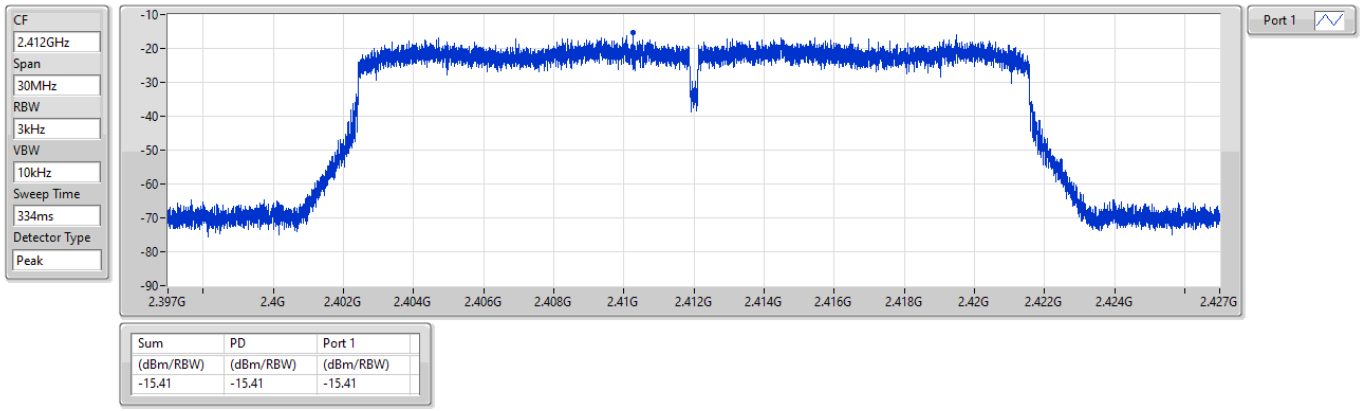
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.65	-16.65	-16.65

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

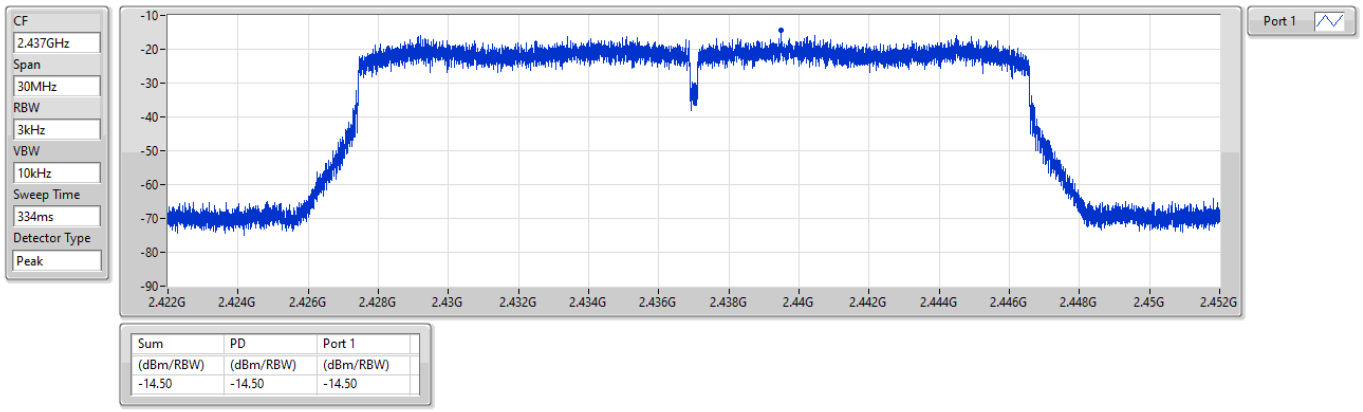
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.41	-15.41	-15.41

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

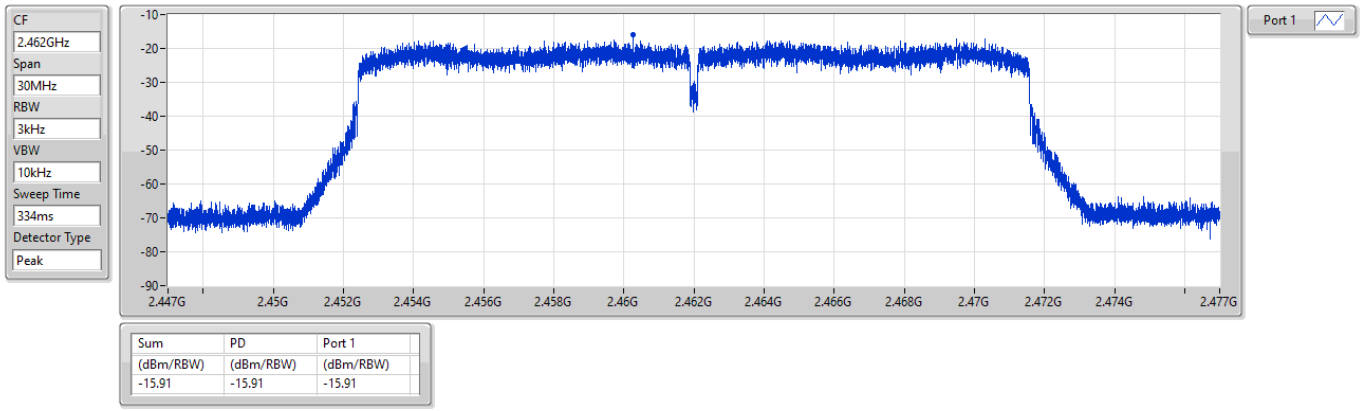
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.50	-14.50	-14.50

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

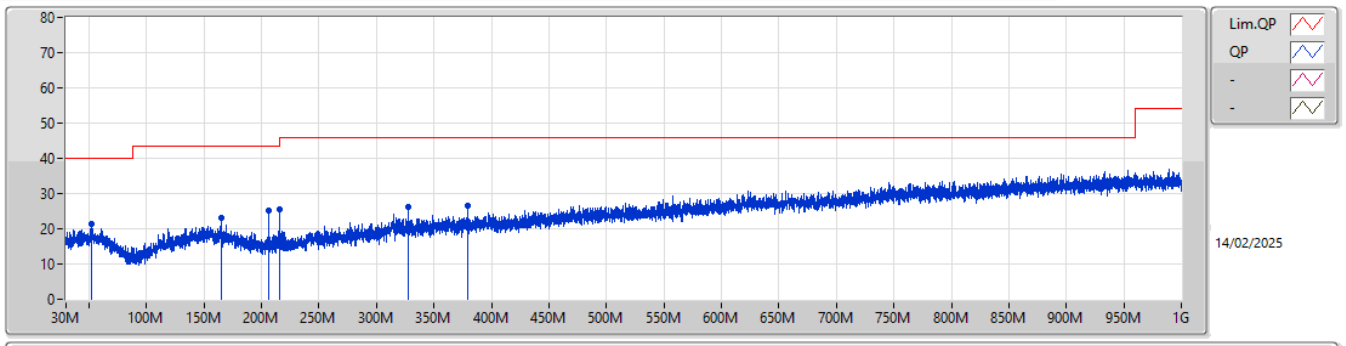
2462MHz



Summary

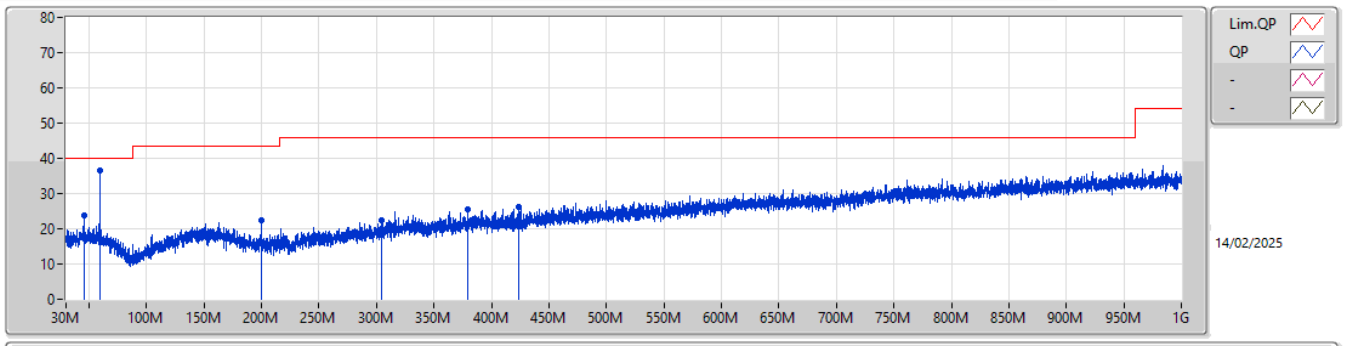
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	60M	36.58	40.00	-3.42	Vertical

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)	(dB/m)	(dB)	(dB)
PK	52.4M	21.51	40.00	-18.49	-8.65	3	Horizontal	-	-	-	30.16	18.74	0.66	28.05
PK	165.4M	23.13	43.50	-20.37	-8.83	3	Horizontal	-	-	-	31.96	18.00	1.27	28.10
PK	206.2M	25.31	43.50	-18.19	-11.90	3	Horizontal	-	-	-	37.21	14.78	1.45	28.13
PK	215.8M	25.57	43.50	-17.93	-11.96	3	Horizontal	-	-	-	37.53	14.70	1.48	28.14
PK	327.7M	26.22	46.00	-19.78	-7.22	3	Horizontal	-	-	-	33.44	19.01	1.91	28.14
PK	378.9M	26.53	46.00	-19.47	-5.83	3	Horizontal	-	-	-	32.36	20.06	2.14	28.03

Mode 1



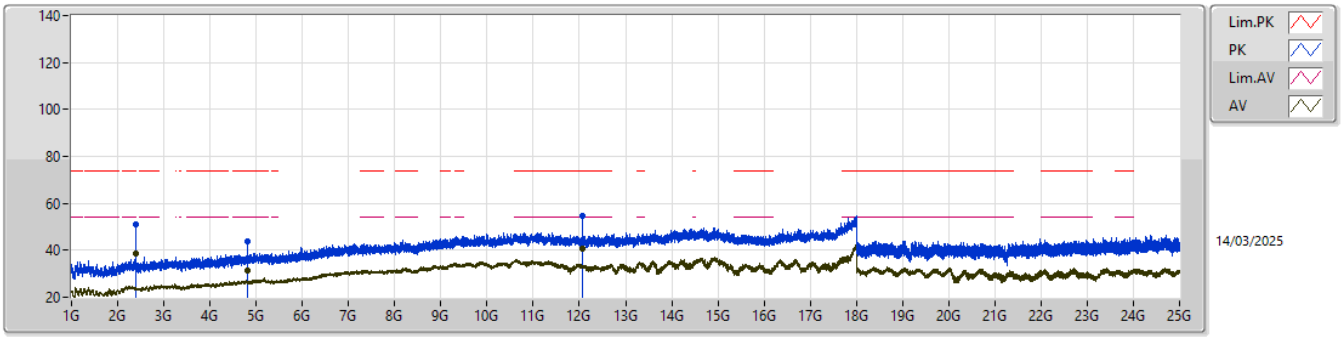
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
PK	45.4M	23.71	40.00	-16.29	-8.86	3	Vertical	-	-	-	32.57	18.58	0.60	28.04
PK	60M	36.58	40.00	-3.42	-9.17	3	Vertical	-	-	-	45.75	18.20	0.68	28.05
PK	199.6M	22.26	43.50	-21.24	-11.76	3	Vertical	-	-	-	34.02	14.94	1.43	28.13
PK	304M	22.26	46.00	-23.74	-8.01	3	Vertical	-	-	-	30.27	18.36	1.82	28.19
PK	378.9M	25.39	46.00	-20.61	-5.83	3	Vertical	-	-	-	31.22	20.06	2.14	28.03
PK	424M	26.15	46.00	-19.85	-4.68	3	Vertical	-	-	-	30.83	20.96	2.33	27.97

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	12.06G	41.18	54.00	-12.82	3	Vertical	25	1.00	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	12.06G	42.33	54.00	-11.67	3	Vertical	223	1.00	-
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	AV	12.06G	42.37	54.00	-11.63	3	Vertical	156	1.00	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

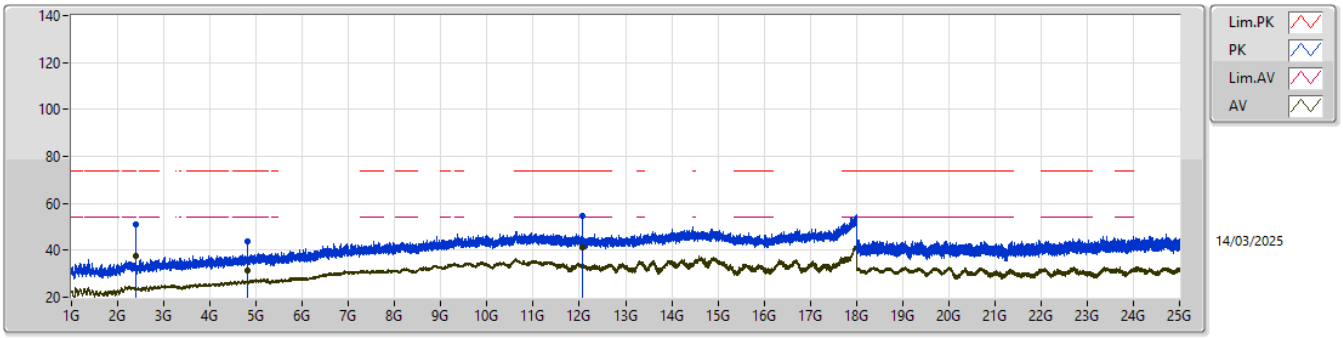
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	38.70	54.00	-15.30	42.57	3	Horizontal	46	1.00	-	27.60	4.95	36.42
PK	2.39G	51.14	74.00	-22.86	55.01	3	Horizontal	46	1.00	-	27.60	4.95	36.42
AV	4.824G	31.16	54.00	-22.84	31.42	3	Horizontal	136	1.00	-	31.20	6.75	38.21
PK	4.824G	43.95	74.00	-30.05	44.21	3	Horizontal	136	1.00	-	31.20	6.75	38.21
AV	12.06G	40.89	54.00	-13.11	33.59	3	Horizontal	33	1.00	-	38.92	10.56	42.18
PK	12.06G	54.42	74.00	-19.58	47.12	3	Horizontal	33	1.00	-	38.92	10.56	42.18

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

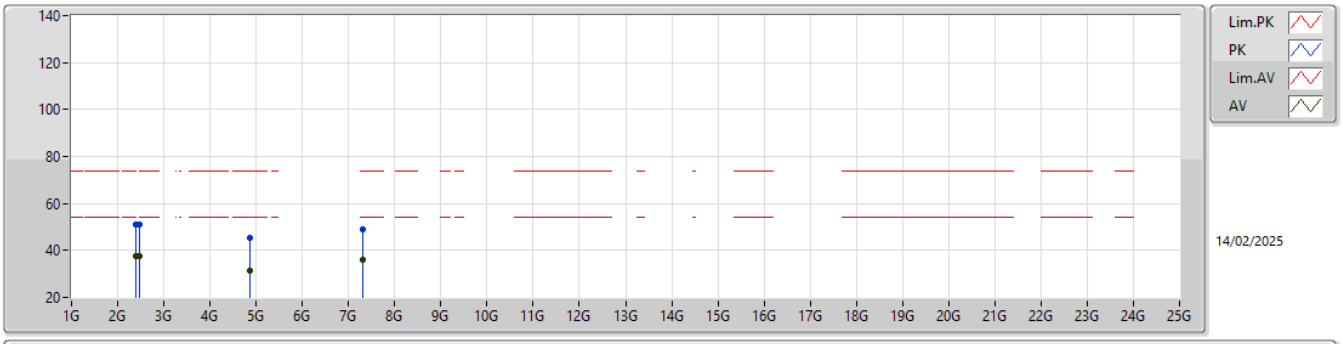
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	37.69	54.00	-16.31	41.56	3	Vertical	298	2.57	-	27.60	4.95	36.42
PK	2.39G	50.91	74.00	-23.09	54.78	3	Vertical	298	2.57	-	27.60	4.95	36.42
AV	4.824G	31.26	54.00	-22.74	31.52	3	Vertical	198	1.00	-	31.20	6.75	38.21
PK	4.824G	43.80	74.00	-30.20	44.06	3	Vertical	198	1.00	-	31.20	6.75	38.21
AV	12.06G	41.18	54.00	-12.82	33.88	3	Vertical	25	1.00	-	38.92	10.56	42.18
PK	12.06G	54.75	74.00	-19.25	47.45	3	Vertical	25	1.00	-	38.92	10.56	42.18

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

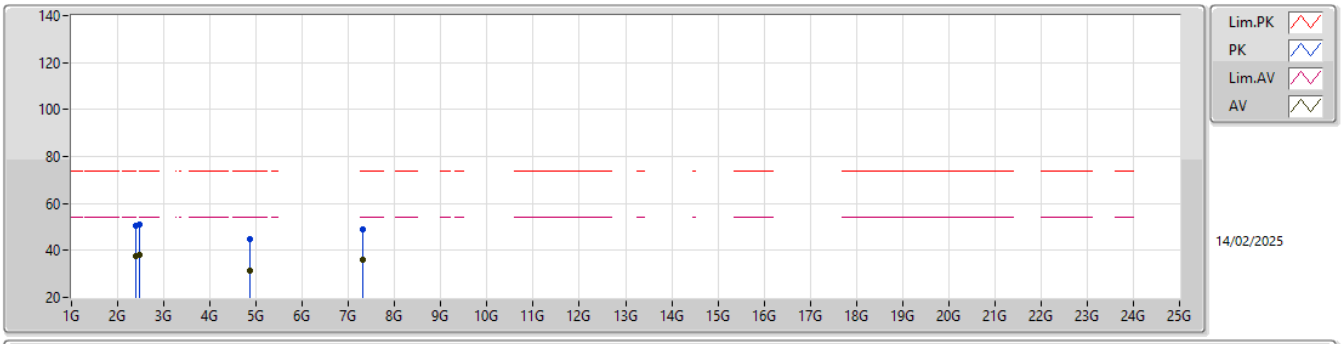
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	37.57	54.00	-16.43	41.44	3	Horizontal	48	1.00	-	27.60	4.95	36.42
PK	2.39G	50.81	74.00	-23.19	54.68	3	Horizontal	48	1.00	-	27.60	4.95	36.42
AV	2.4835G	37.56	54.00	-16.44	41.52	3	Horizontal	48	1.00	-	27.54	5.01	36.51
PK	2.4835G	51.06	74.00	-22.94	55.02	3	Horizontal	48	1.00	-	27.54	5.01	36.51
AV	4.874G	31.30	54.00	-22.70	31.56	3	Horizontal	141	1.00	-	31.20	6.78	38.24
PK	4.874G	45.13	74.00	-28.87	45.39	3	Horizontal	141	1.00	-	31.20	6.78	38.24
AV	7.311G	36.14	54.00	-17.86	30.65	3	Horizontal	24	1.00	-	36.40	8.24	39.15
PK	7.311G	49.10	74.00	-24.90	43.61	3	Horizontal	24	1.00	-	36.40	8.24	39.15

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

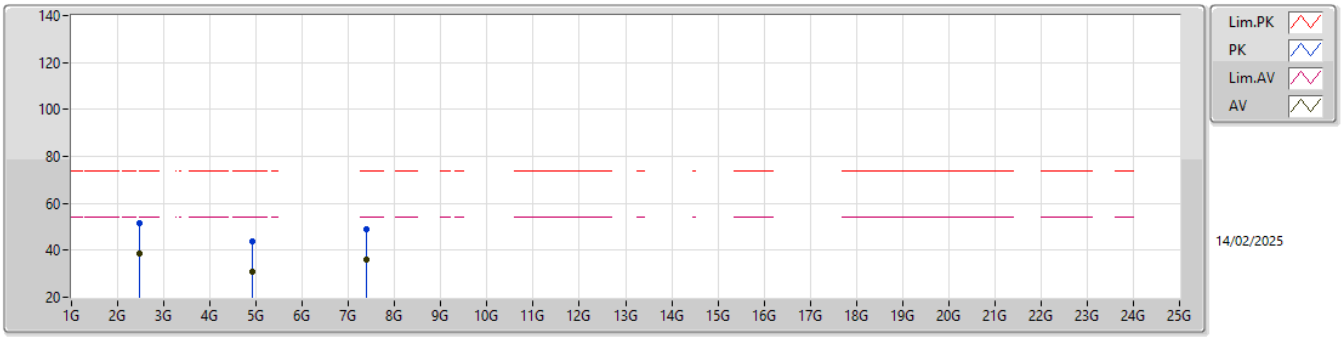
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	37.78	54.00	-16.22	41.65	3	Vertical	295	2.68	-	27.60	4.95	36.42
PK	2.39G	50.76	74.00	-23.24	54.63	3	Vertical	295	2.68	-	27.60	4.95	36.42
AV	2.4835G	38.23	54.00	-15.77	42.19	3	Vertical	295	2.68	-	27.54	5.01	36.51
PK	2.4835G	51.16	74.00	-22.84	55.12	3	Vertical	295	2.68	-	27.54	5.01	36.51
AV	4.874G	31.43	54.00	-22.57	31.69	3	Vertical	195	1.00	-	31.20	6.78	38.24
PK	4.874G	44.85	74.00	-29.15	45.11	3	Vertical	195	1.00	-	31.20	6.78	38.24
AV	7.311G	36.13	54.00	-17.87	30.64	3	Vertical	14	1.00	-	36.40	8.24	39.15
PK	7.311G	49.14	74.00	-24.86	43.65	3	Vertical	14	1.00	-	36.40	8.24	39.15

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

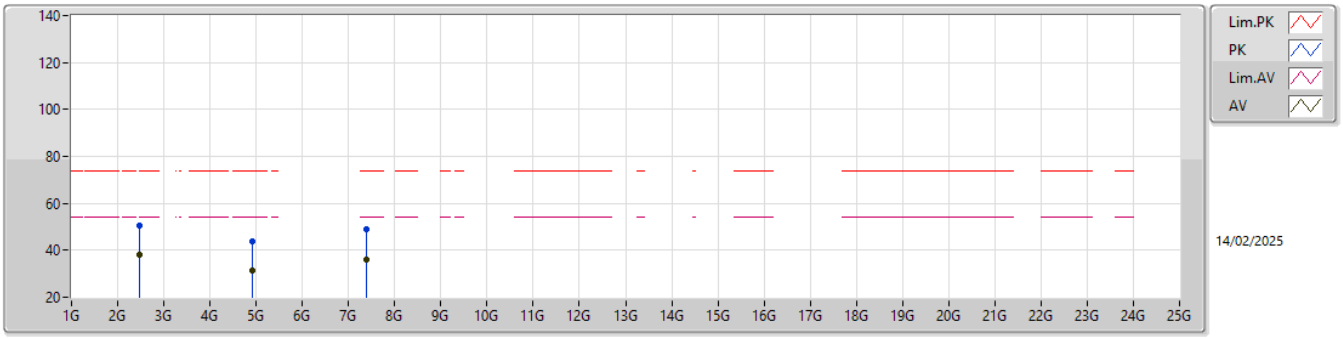
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.4835G	38.43	54.00	-15.57	42.39	3	Horizontal	74	1.00	-	27.54	5.01	36.51
PK	2.4835G	51.46	74.00	-22.54	55.42	3	Horizontal	74	1.00	-	27.54	5.01	36.51
AV	4.924G	31.12	54.00	-22.88	31.29	3	Horizontal	152	1.00	-	31.30	6.81	38.28
PK	4.924G	44.04	74.00	-29.96	44.21	3	Horizontal	152	1.00	-	31.30	6.81	38.28
AV	7.386G	35.94	54.00	-18.06	30.58	3	Horizontal	46	1.00	-	36.33	8.27	39.24
PK	7.386G	48.95	74.00	-25.05	43.59	3	Horizontal	46	1.00	-	36.33	8.27	39.24

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

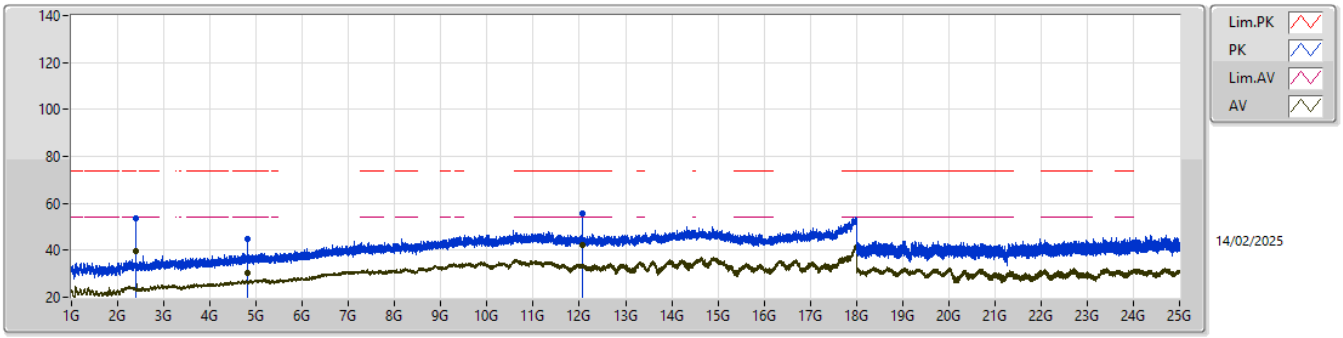
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.4835G	38.28	54.00	-15.72	42.24	3	Vertical	298	2.72	-	27.54	5.01	36.51
PK	2.4835G	50.43	74.00	-23.57	54.39	3	Vertical	298	2.72	-	27.54	5.01	36.51
AV	4.924G	31.24	54.00	-22.76	31.41	3	Vertical	188	1.00	-	31.30	6.81	38.28
PK	4.924G	43.85	74.00	-30.15	44.02	3	Vertical	188	1.00	-	31.30	6.81	38.28
AV	7.386G	35.95	54.00	-18.05	30.59	3	Vertical	25	1.00	-	36.33	8.27	39.24
PK	7.386G	48.84	74.00	-25.16	43.48	3	Vertical	25	1.00	-	36.33	8.27	39.24

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

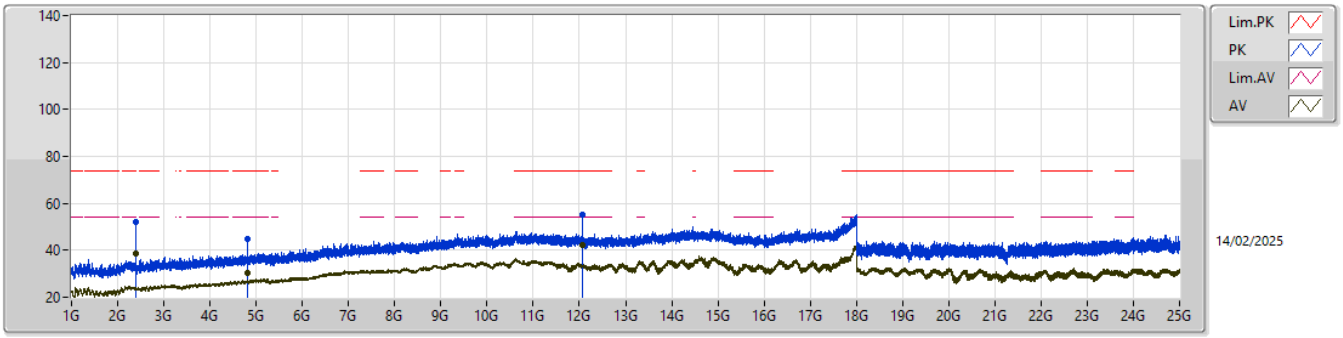
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	39.64	54.00	-14.36	43.51	3	Horizontal	28	1.50	-	27.60	4.95	36.42
PK	2.39G	53.75	74.00	-20.25	57.62	3	Horizontal	28	1.50	-	27.60	4.95	36.42
AV	4.824G	30.30	54.00	-23.70	30.56	3	Horizontal	157	1.00	-	31.20	6.75	38.21
PK	4.824G	44.97	74.00	-29.03	45.23	3	Horizontal	157	1.00	-	31.20	6.75	38.21
AV	12.06G	42.32	54.00	-11.68	35.02	3	Horizontal	102	1.00	-	38.92	10.56	42.18
PK	12.06G	55.64	74.00	-18.36	48.34	3	Horizontal	102	1.00	-	38.92	10.56	42.18

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

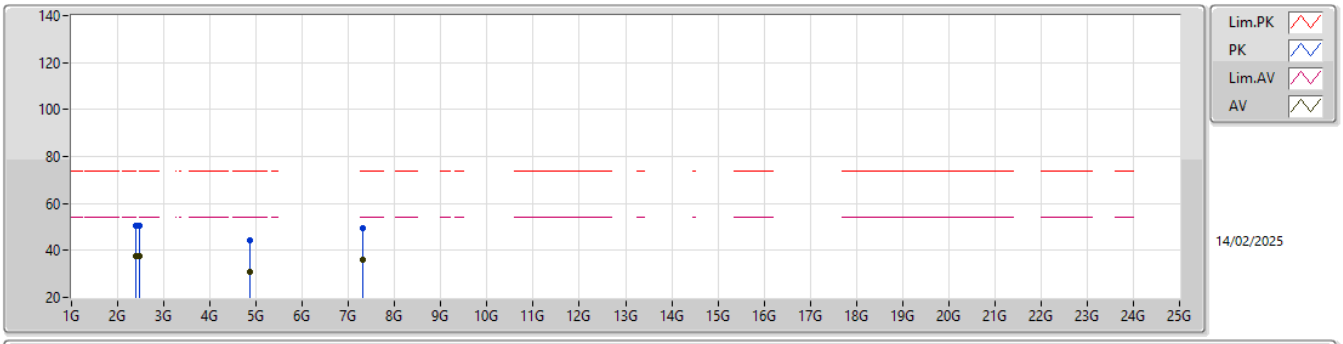
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	38.81	54.00	-15.19	42.68	3	Vertical	291	2.81	-	27.60	4.95	36.42
PK	2.39G	52.25	74.00	-21.75	56.12	3	Vertical	291	2.81	-	27.60	4.95	36.42
AV	4.824G	30.58	54.00	-23.42	30.84	3	Vertical	151	1.00	-	31.20	6.75	38.21
PK	4.824G	44.87	74.00	-29.13	45.13	3	Vertical	151	1.00	-	31.20	6.75	38.21
AV	12.06G	42.33	54.00	-11.67	35.03	3	Vertical	223	1.00	-	38.92	10.56	42.18
PK	12.06G	54.96	74.00	-19.04	47.66	3	Vertical	223	1.00	-	38.92	10.56	42.18

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

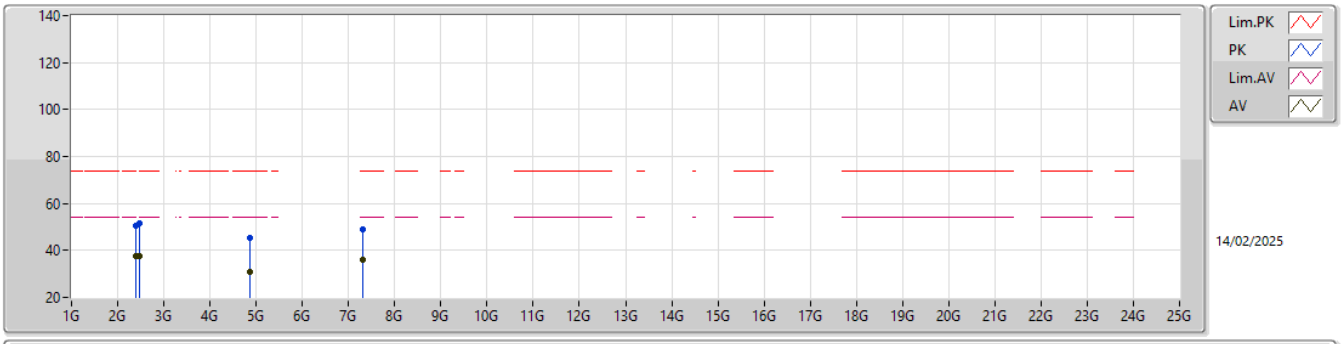
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	37.58	54.00	-16.42	41.45	3	Horizontal	46	1.00	-	27.60	4.95	36.42
PK	2.39G	50.65	74.00	-23.35	54.52	3	Horizontal	46	1.00	-	27.60	4.95	36.42
AV	2.4835G	37.53	54.00	-16.47	41.49	3	Horizontal	46	1.00	-	27.54	5.01	36.51
PK	2.4835G	50.63	74.00	-23.37	54.59	3	Horizontal	46	1.00	-	27.54	5.01	36.51
AV	4.874G	30.89	54.00	-23.11	31.15	3	Horizontal	31	1.00	-	31.20	6.78	38.24
PK	4.874G	44.36	74.00	-29.64	44.62	3	Horizontal	31	1.00	-	31.20	6.78	38.24
AV	7.311G	36.25	54.00	-17.75	30.76	3	Horizontal	45	1.00	-	36.40	8.24	39.15
PK	7.311G	49.43	74.00	-24.57	43.94	3	Horizontal	45	1.00	-	36.40	8.24	39.15

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

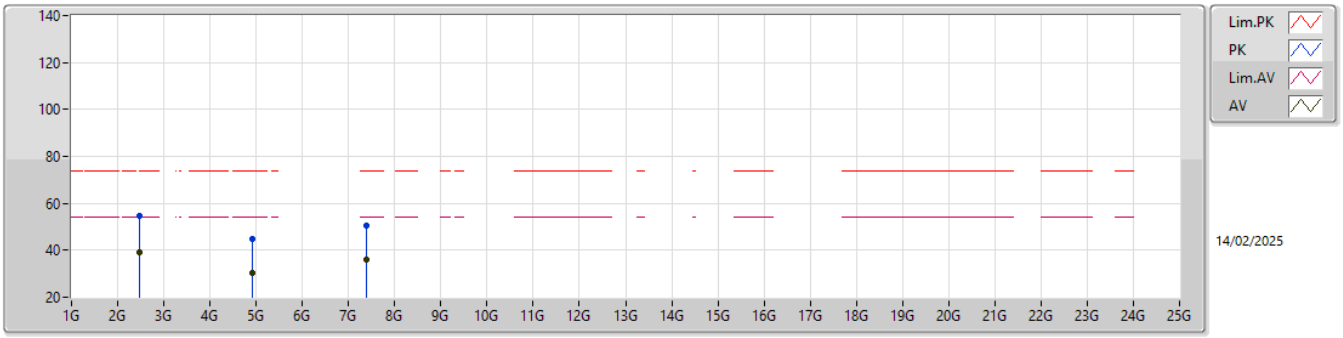
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	37.51	54.00	-16.49	41.38	3	Vertical	292	2.72	-	27.60	4.95	36.42
PK	2.39G	50.62	74.00	-23.38	54.49	3	Vertical	292	2.72	-	27.60	4.95	36.42
AV	2.4835G	37.72	54.00	-16.28	41.68	3	Vertical	292	2.72	-	27.54	5.01	36.51
PK	2.4835G	51.33	74.00	-22.67	55.29	3	Vertical	292	2.72	-	27.54	5.01	36.51
AV	4.874G	31.08	54.00	-22.92	31.34	3	Vertical	23	1.00	-	31.20	6.78	38.24
PK	4.874G	45.34	74.00	-28.66	45.60	3	Vertical	23	1.00	-	31.20	6.78	38.24
AV	7.311G	36.21	54.00	-17.79	30.72	3	Vertical	14	1.00	-	36.40	8.24	39.15
PK	7.311G	49.17	74.00	-24.83	43.68	3	Vertical	14	1.00	-	36.40	8.24	39.15

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

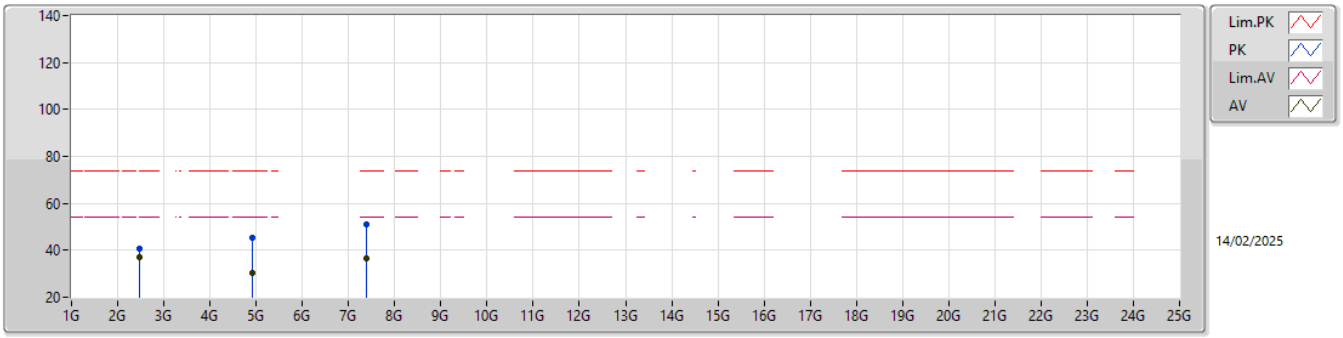
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.4835G	39.11	54.00	-14.89	43.07	3	Horizontal	47	1.00	-	27.54	5.01	36.51
PK	2.4835G	54.70	74.00	-19.30	58.66	3	Horizontal	47	1.00	-	27.54	5.01	36.51
AV	4.924G	30.40	54.00	-23.60	30.57	3	Horizontal	208	1.00	-	31.30	6.81	38.28
PK	4.924G	44.77	74.00	-29.23	44.94	3	Horizontal	208	1.00	-	31.30	6.81	38.28
AV	7.386G	36.04	54.00	-17.96	30.68	3	Horizontal	115	1.00	-	36.33	8.27	39.24
PK	7.386G	50.69	74.00	-23.31	45.33	3	Horizontal	115	1.00	-	36.33	8.27	39.24

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

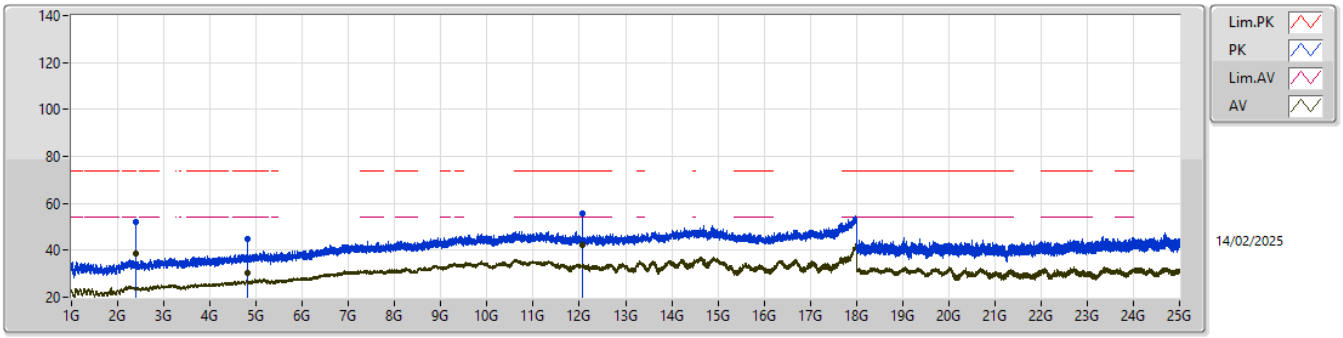
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.4835G	37.20	54.00	-16.80	41.16	3	Vertical	284	2.94	-	27.54	5.01	36.51
PK	2.4835G	40.79	74.00	-33.21	44.75	3	Vertical	284	2.94	-	27.54	5.01	36.51
AV	4.924G	30.38	54.00	-23.62	30.55	3	Vertical	235	1.00	-	31.30	6.81	38.28
PK	4.924G	45.51	74.00	-28.49	45.68	3	Vertical	235	1.00	-	31.30	6.81	38.28
AV	7.386G	36.62	54.00	-17.38	31.26	3	Vertical	125	1.00	-	36.33	8.27	39.24
PK	7.386G	50.83	74.00	-23.17	45.47	3	Vertical	125	1.00	-	36.33	8.27	39.24

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

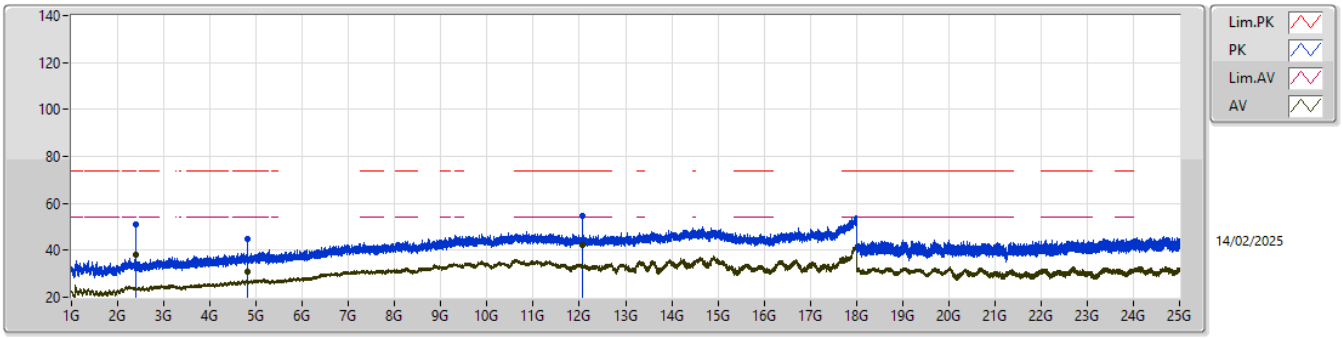
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	38.69	54.00	-15.31	42.56	3	Horizontal	27	1.51	-	27.60	4.95	36.42
PK	2.39G	52.24	74.00	-21.76	56.11	3	Horizontal	27	1.51	-	27.60	4.95	36.42
AV	4.824G	30.38	54.00	-23.62	30.64	3	Horizontal	115	1.00	-	31.20	6.75	38.21
PK	4.824G	44.90	74.00	-29.10	45.16	3	Horizontal	115	1.00	-	31.20	6.75	38.21
AV	12.06G	42.24	54.00	-11.76	34.94	3	Horizontal	158	1.00	-	38.92	10.56	42.18
PK	12.06G	55.51	74.00	-18.49	48.21	3	Horizontal	158	1.00	-	38.92	10.56	42.18

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

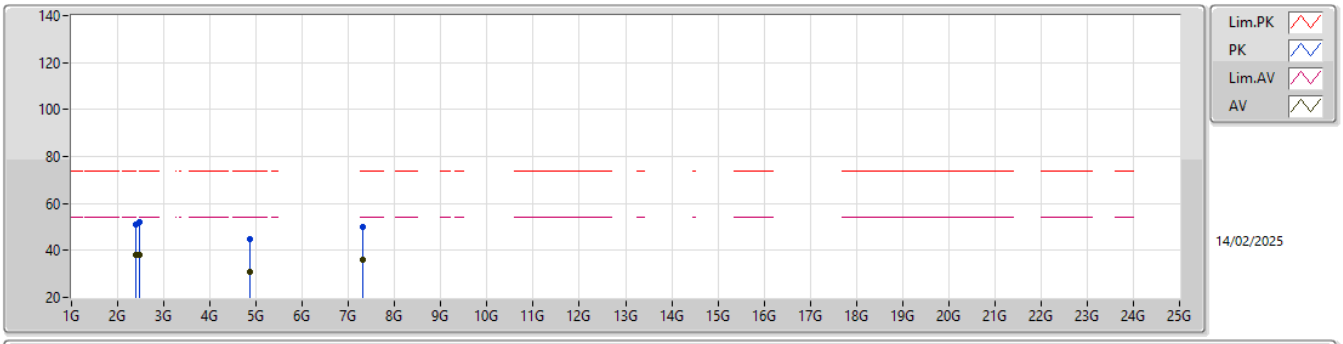
2412MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	38.16	54.00	-15.84	42.03	3	Vertical	289	2.79	-	27.60	4.95	36.42
PK	2.39G	50.97	74.00	-23.03	54.84	3	Vertical	289	2.79	-	27.60	4.95	36.42
AV	4.824G	30.76	54.00	-23.24	31.02	3	Vertical	223	1.00	-	31.20	6.75	38.21
PK	4.824G	44.97	74.00	-29.03	45.23	3	Vertical	223	1.00	-	31.20	6.75	38.21
AV	12.06G	42.37	54.00	-11.63	35.07	3	Vertical	156	1.00	-	38.92	10.56	42.18
PK	12.06G	54.88	74.00	-19.12	47.58	3	Vertical	156	1.00	-	38.92	10.56	42.18

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

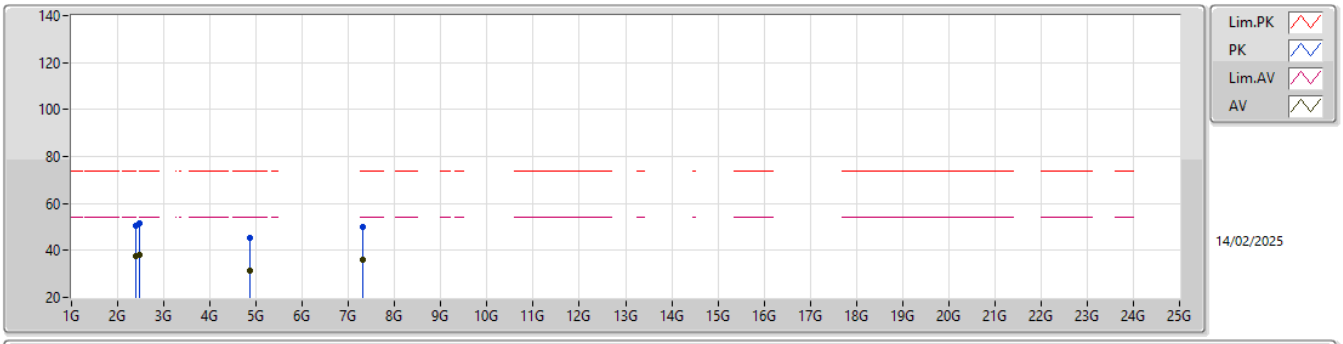
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	38.16	54.00	-15.84	42.03	3	Horizontal	51	1.00	-	27.60	4.95	36.42
PK	2.39G	50.90	74.00	-23.10	54.77	3	Horizontal	51	1.00	-	27.60	4.95	36.42
AV	2.4835G	38.16	54.00	-15.84	42.12	3	Horizontal	51	1.00	-	27.54	5.01	36.51
PK	2.4835G	52.17	74.00	-21.83	56.13	3	Horizontal	51	1.00	-	27.54	5.01	36.51
AV	4.874G	30.76	54.00	-23.24	31.02	3	Horizontal	123	1.00	-	31.20	6.78	38.24
PK	4.874G	44.85	74.00	-29.15	45.11	3	Horizontal	123	1.00	-	31.20	6.78	38.24
AV	7.311G	36.14	54.00	-17.86	30.65	3	Horizontal	208	1.00	-	36.40	8.24	39.15
PK	7.311G	50.02	74.00	-23.98	44.53	3	Horizontal	208	1.00	-	36.40	8.24	39.15

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

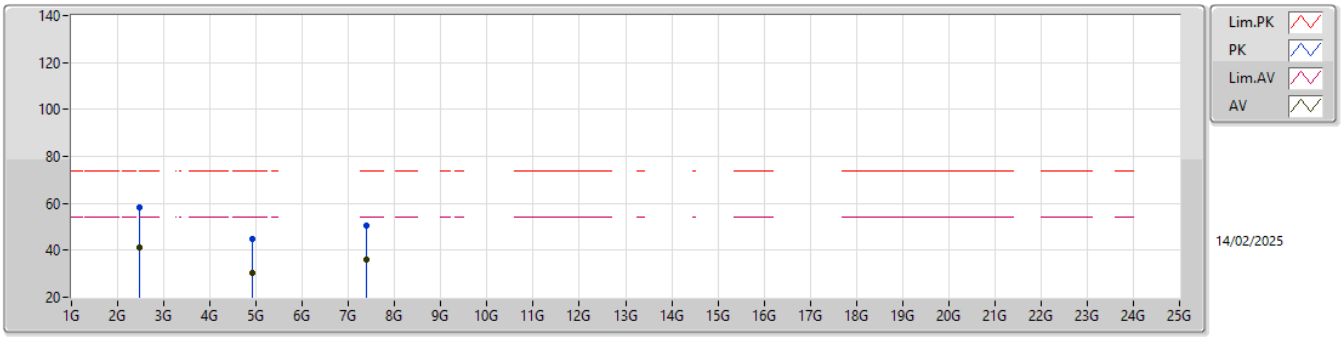
2437MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.39G	37.66	54.00	-16.34	41.53	3	Vertical	286	2.75	-	27.60	4.95	36.42
PK	2.39G	50.71	74.00	-23.29	54.58	3	Vertical	286	2.75	-	27.60	4.95	36.42
AV	2.4835G	38.07	54.00	-15.93	42.03	3	Vertical	286	2.75	-	27.54	5.01	36.51
PK	2.4835G	51.55	74.00	-22.45	55.51	3	Vertical	286	2.75	-	27.54	5.01	36.51
AV	4.874G	31.25	54.00	-22.75	31.51	3	Vertical	26	1.00	-	31.20	6.78	38.24
PK	4.874G	45.51	74.00	-28.49	45.77	3	Vertical	26	1.00	-	31.20	6.78	38.24
AV	7.311G	36.05	54.00	-17.95	30.56	3	Vertical	125	1.00	-	36.40	8.24	39.15
PK	7.311G	50.06	74.00	-23.94	44.57	3	Vertical	125	1.00	-	36.40	8.24	39.15

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

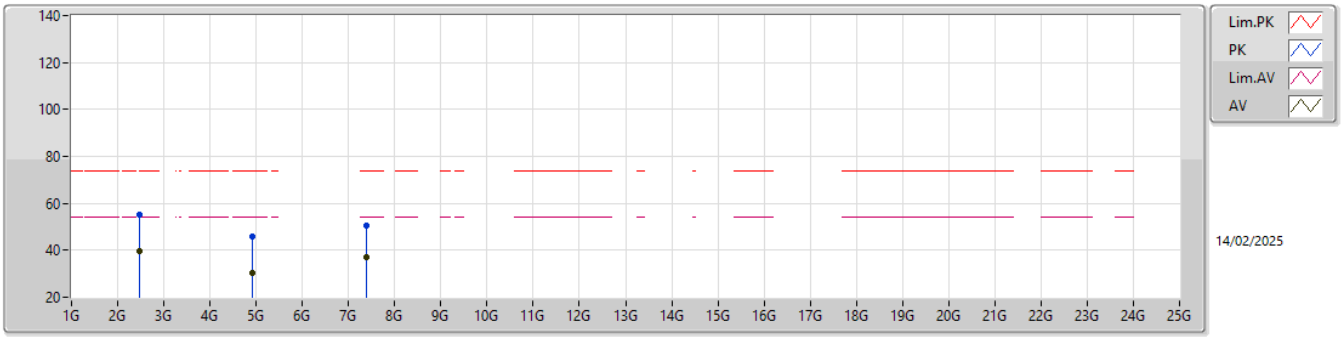
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.4835G	41.26	54.00	-12.74	45.22	3	Horizontal	45	1.00	-	27.54	5.01	36.51
PK	2.4835G	58.17	74.00	-15.83	62.13	3	Horizontal	45	1.00	-	27.54	5.01	36.51
AV	4.924G	30.31	54.00	-23.69	30.48	3	Horizontal	248	1.00	-	31.30	6.81	38.28
PK	4.924G	44.71	74.00	-29.29	44.88	3	Horizontal	248	1.00	-	31.30	6.81	38.28
AV	7.386G	35.95	54.00	-18.05	30.59	3	Horizontal	108	1.00	-	36.33	8.27	39.24
PK	7.386G	50.54	74.00	-23.46	45.18	3	Horizontal	108	1.00	-	36.33	8.27	39.24

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

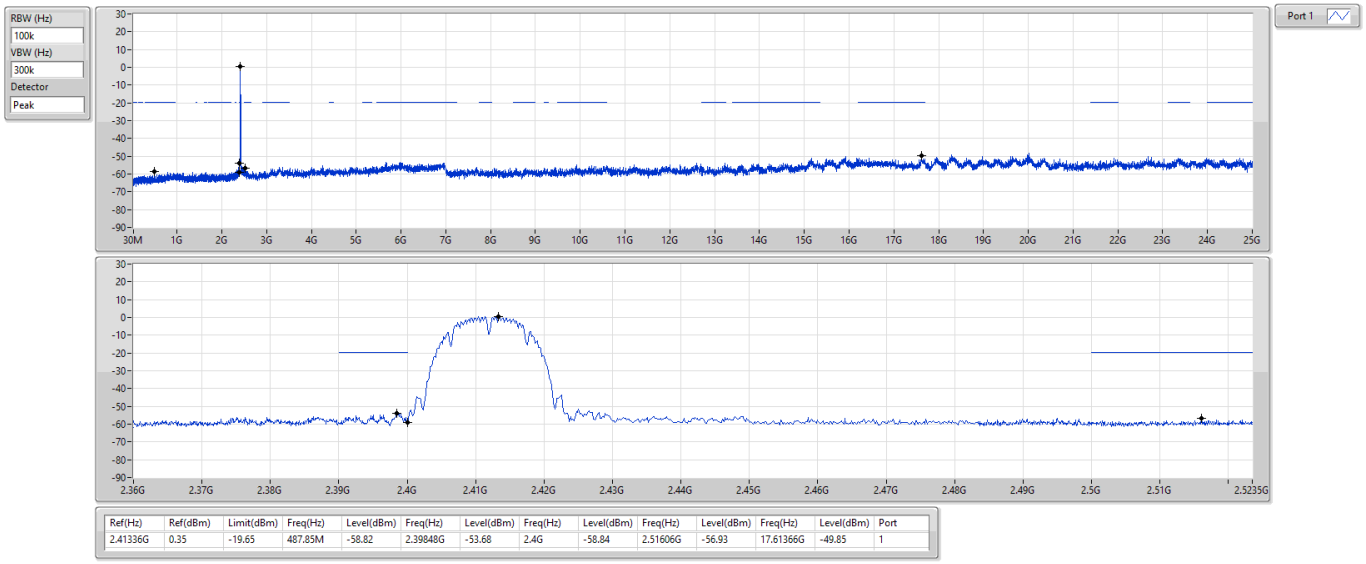
2462MHz_TX



Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB/m)	(dB)	(dB)
AV	2.4835G	39.70	54.00	-14.30	43.66	3	Vertical	285	2.88	-	27.54	5.01	36.51
PK	2.4835G	54.98	74.00	-19.02	58.94	3	Vertical	285	2.88	-	27.54	5.01	36.51
AV	4.924G	30.40	54.00	-23.60	30.57	3	Vertical	225	1.00	-	31.30	6.81	38.28
PK	4.924G	45.71	74.00	-28.29	45.88	3	Vertical	225	1.00	-	31.30	6.81	38.28
AV	7.386G	36.87	54.00	-17.13	31.51	3	Vertical	116	1.00	-	36.33	8.27	39.24
PK	7.386G	50.74	74.00	-23.26	45.38	3	Vertical	116	1.00	-	36.33	8.27	39.24

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **CSENdB**

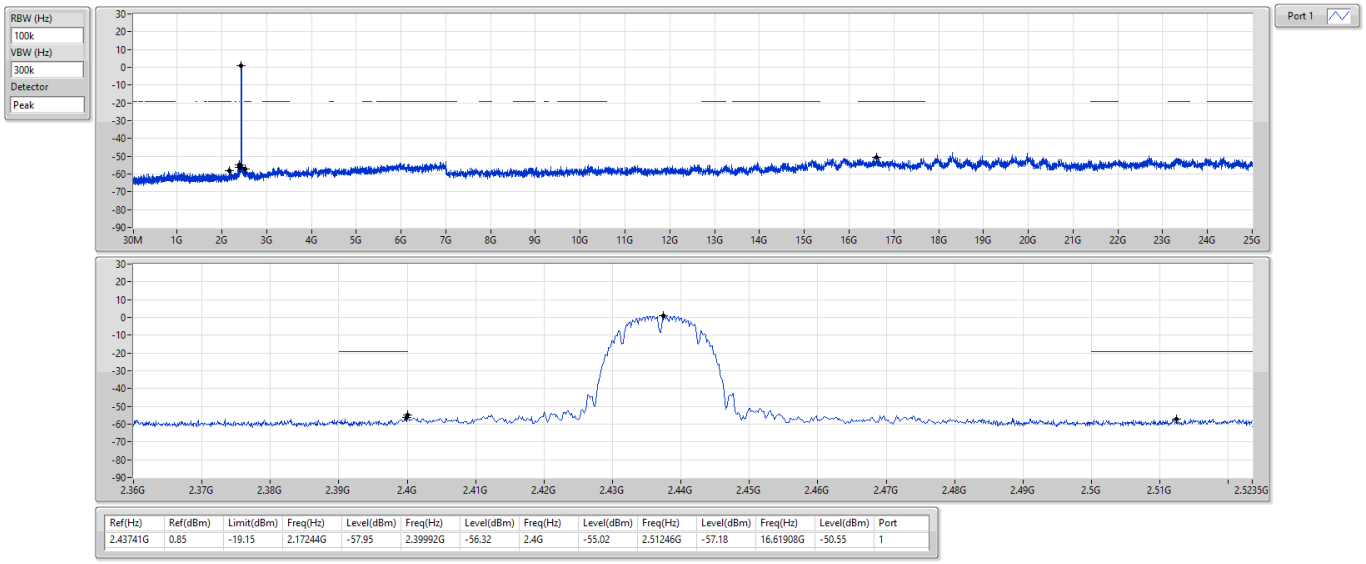
2412MHz



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
2.41336G	0.35	-19.65	487.85M	-58.82	2.39848G	-53.68	2.4G	-58.84	2.51606G	-56.93	17.61366G	-49.85	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **CSENdB**

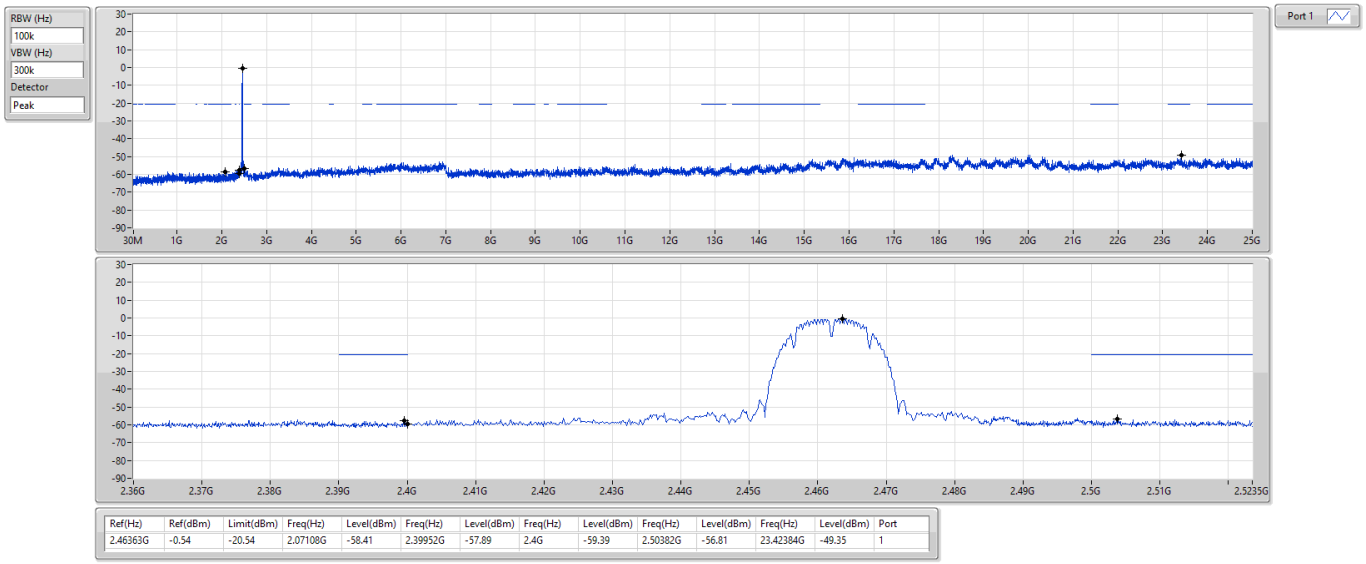
2437MHz



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
2.43741G	0.85	-19.15	2.17244G	-57.95	2.39992G	-56.32	2.4G	-55.02	2.51246G	-57.18	16.61908G	-50.55	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX **CSENdB**

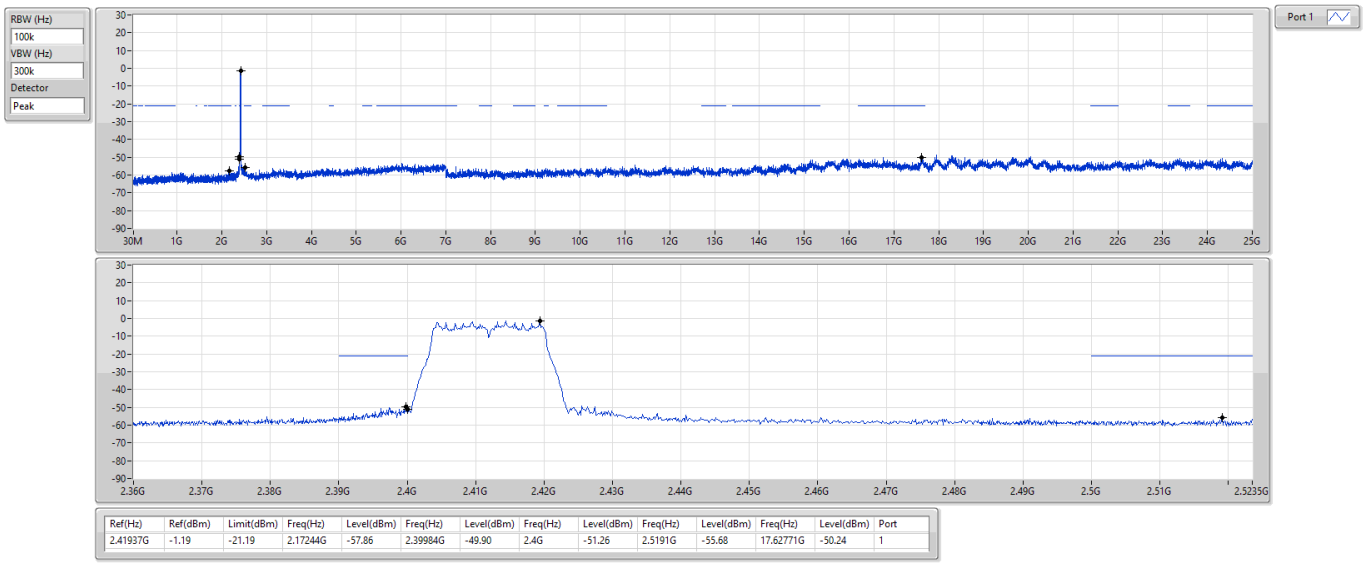
2462MHz



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
2.46363G	-0.54	-20.54	2.07108G	-58.41	2.39952G	-57.89	2.4G	-59.39	2.50382G	-56.81	23.42384G	-49.35	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **CSENdB**

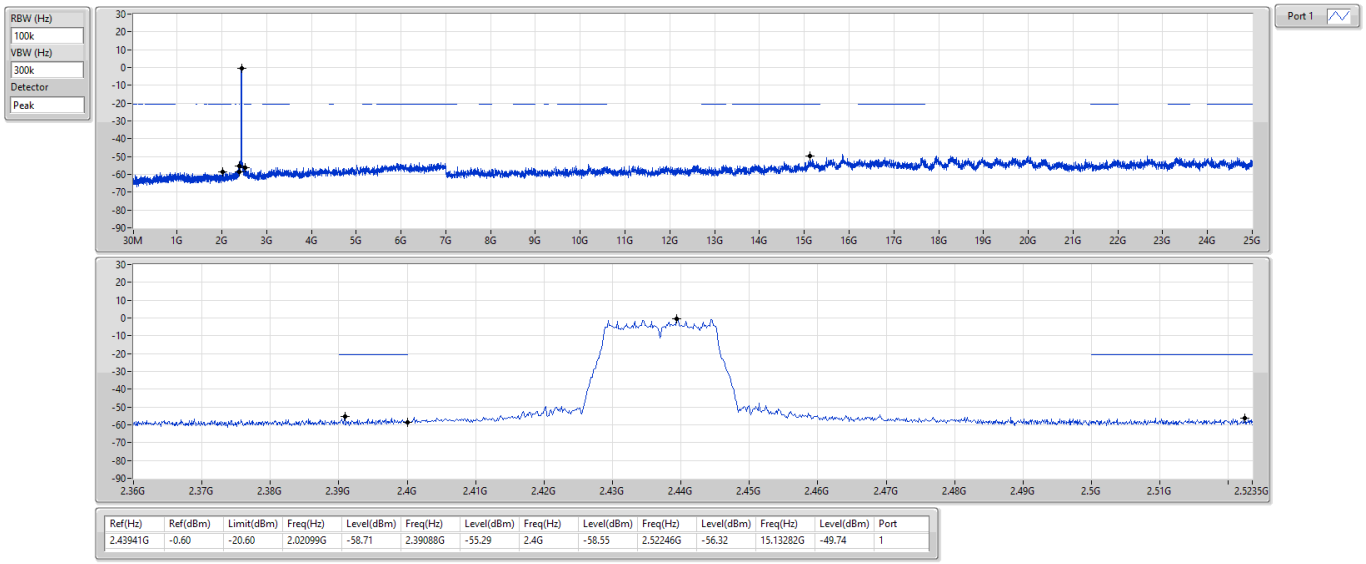
2412MHz



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
2.41937G	-1.19	-21.19	2.17244G	-57.86	2.39984G	-49.90	2.4G	-51.26	2.5191G	-55.68	17.62771G	-50.24	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **CSENdB**

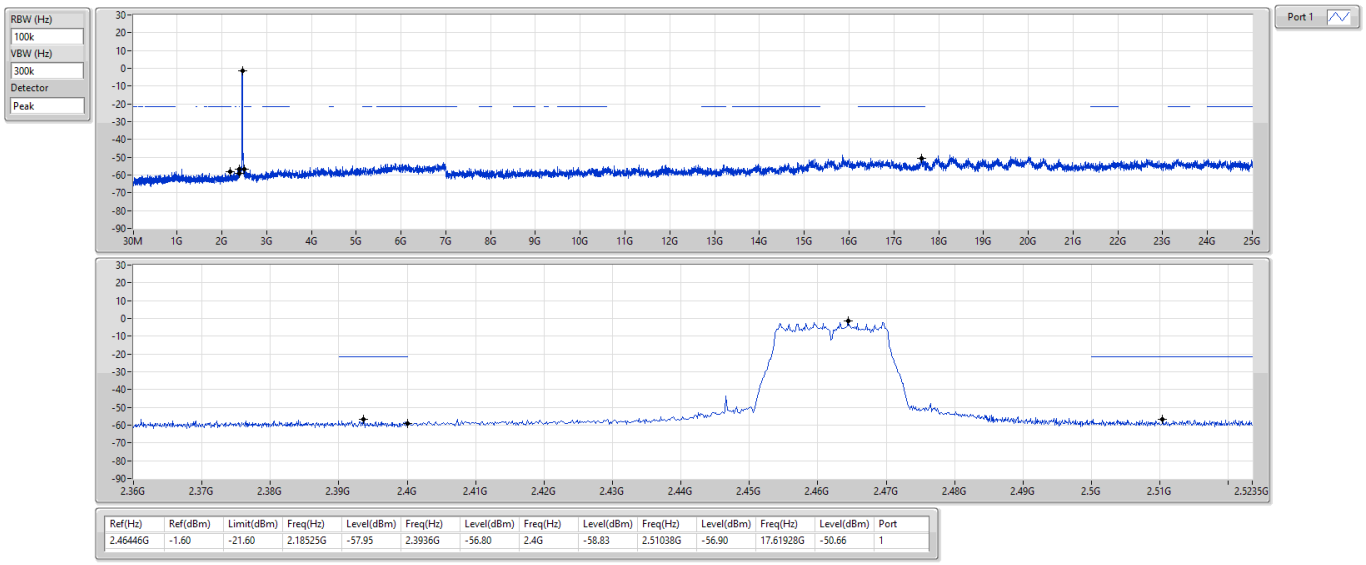
2437MHz



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
2.43941G	-0.60	-20.60	2.02099G	-58.71	2.39088G	-55.29	2.4G	-58.55	2.52246G	-56.32	15.13282G	-49.74	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX **CSENdB**

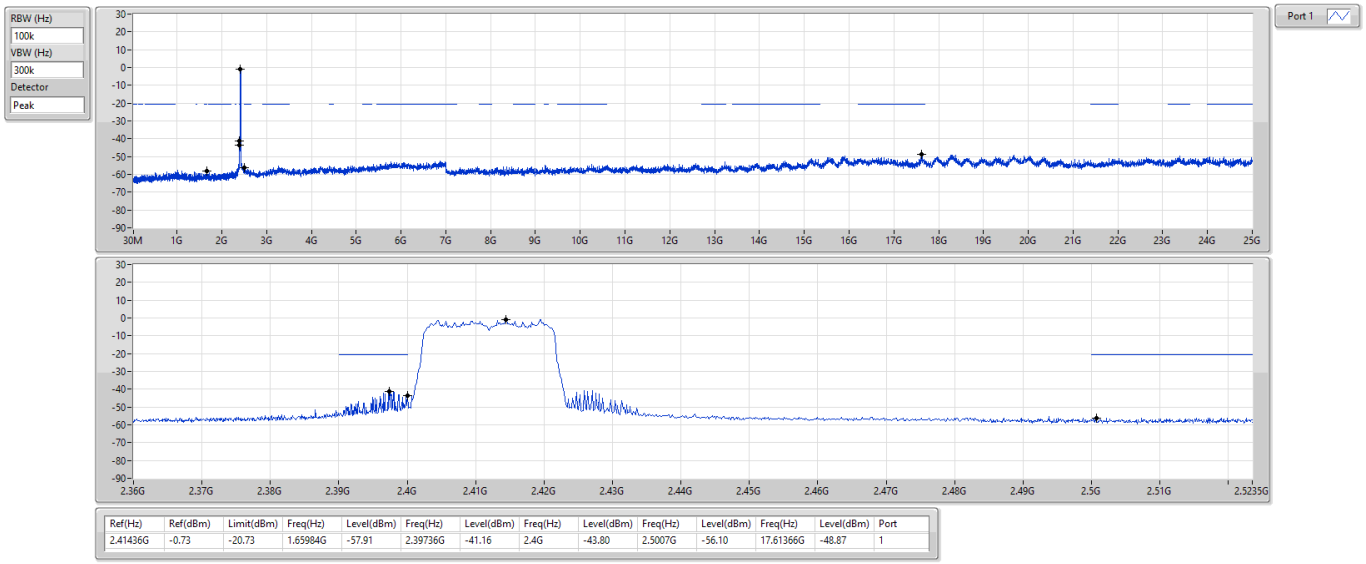
2462MHz



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
2.46446G	-1.60	-21.60	2.18525G	-57.95	2.3936G	-56.80	2.4G	-58.83	2.51038G	-56.90	17.61928G	-50.66	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **CSENdB**

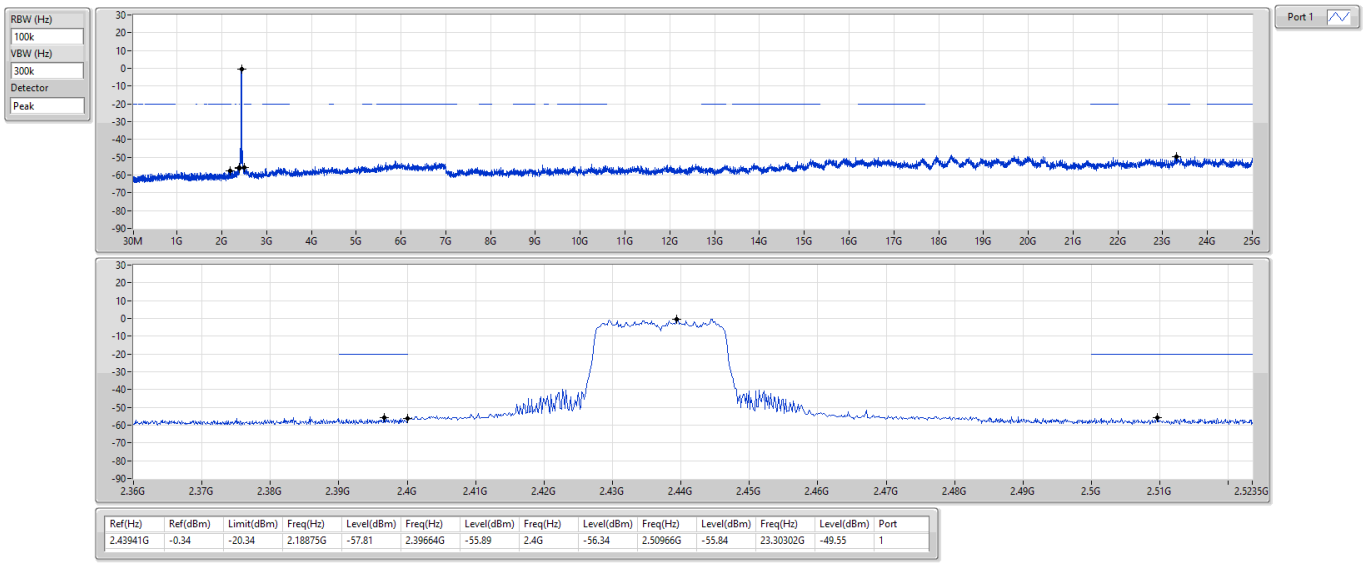
2412MHz



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
2.41436G	-0.73	-20.73	1.65984G	-57.91	2.39736G	-41.16	2.4G	-43.80	2.5007G	-56.10	17.61366G	-48.87	1

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX **CSENdB**

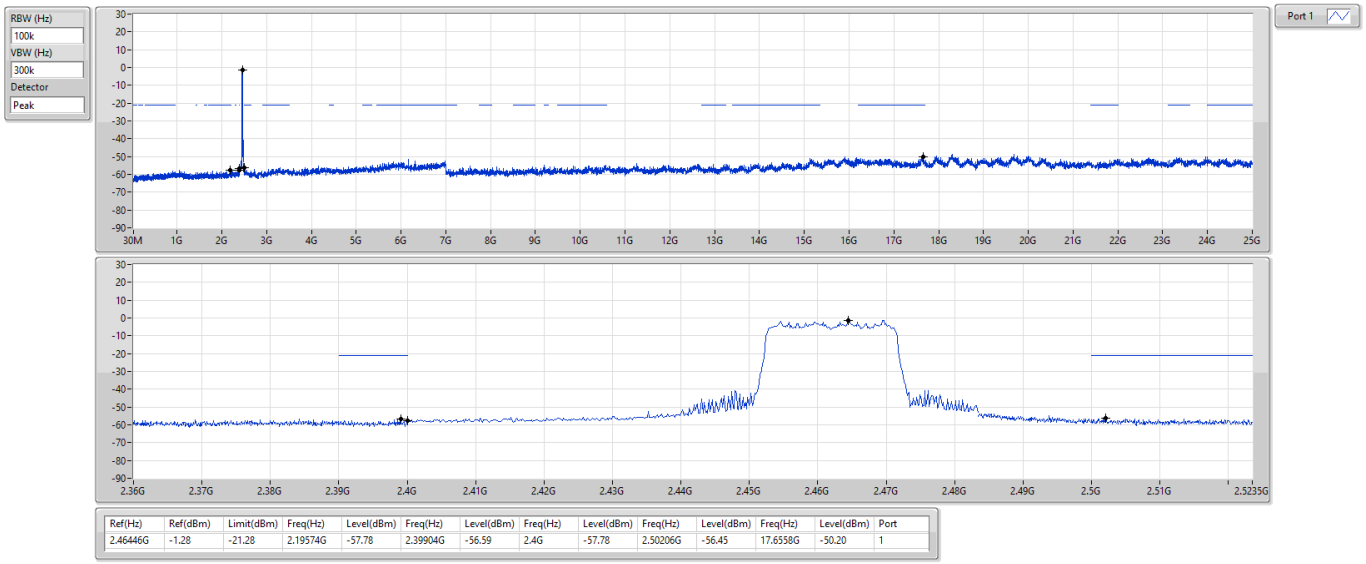
2437MHz



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
2.43941G	-0.34	-20.34	2.18875G	-57.81	2.39664G	-55.89	2.4G	-56.34	2.50966G	-55.84	23.30302G	-49.55	1

2.4-2.4835GHz_802.11ax HEW20_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
2.46446G	-1.28	-21.28	2.19574G	-57.78	2.39904G	-56.59	2.4G	-57.78	2.50206G	-56.45	17.6558G	-50.20	1