

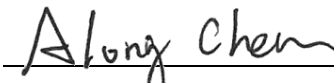
FCC Test Report

FCC ID : XNAWBS14
Equipment : WITHINGS BODY PRO 2
Model No. : WBS14
Brand Name : Withings
Applicant : Withings
Address : 2 rue Maurice Hartmann
92130 Issy-Les-Moulineaux
France
Standard : 47 CFR FCC Part 15.247
Received Date : Oct. 02, 2023
Tested Date : Oct. 27 ~ Nov. 08, 2023

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
FR280405-05AC	Rev. 01	Initial issue	Jan. 10, 2024

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]: 4.924GHz 47.08 (Margin -6.92dB) - AV	Pass
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: 22.91	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.
Note¹: 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
Note 1: RF output power specifies that Maximum Peak Conducted Output Power. Note 2: DSSS-DBPSK, DQPSK, CCK modulation OFDM- BPSK, QPSK, 16QAM, 64QAM					

1.1.2 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Gain (dBi)
1	BROADCOM	BCM9Fractal	PCB	NA	2.8

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	4x 1.5V AAA battery
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1.1.4 Accessories

N/A

1.1.5 Test Sample Information

MAC of Test Sample	Radiated Emission: A47EFA1EC264 Antenna Port Conducted: A47EFA1EBF98
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1.1.6 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

1.1.7 Test Tool and Duty Cycle

Test Tool	Tera Term, V4.8		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11b	99.58%	0.02
	11g	94.20%	0.26
	HT20	93.85%	0.28

1.1.8 Power Index of Test Tool

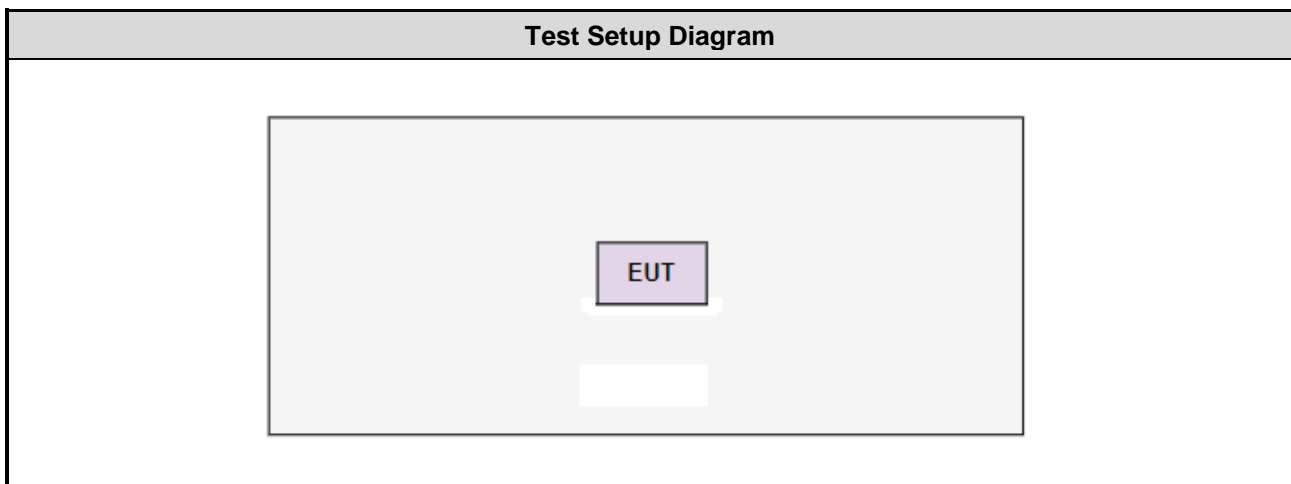
Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	16
11b	2437	16
11b	2462	16
11g	2412	15
11g	2437	15
11g	2462	15
HT20	2412	15
HT20	2437	15
HT20	2462	15

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Notebook	DELL	Latitude 5400	DoC	---
2	Fixture	---	---	---	Provided by applicant.

Note: The support notebook and fixture are disconnected from EUT and removed from test table after sending command to EUT to control EUT to transmit continuously.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Oct. 27, 2023				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 03, 2023	Mar. 02, 2024
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 01, 2022	Oct. 31, 2023
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 31, 2023	Jul. 30, 2024
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 25, 2022	Nov. 24, 2023
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Dec. 30, 2022	Dec. 29, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2023	Jun. 27, 2024
Preamplifier	EMC	EMC118A45SE	980898	Jul. 14, 2023	Jul. 13, 2024
Preamplifier	EMC	EMC184045SE	980903	Jul. 17, 2023	Jul. 16, 2024
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 03, 2023	Oct. 02, 2024
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 03, 2023	Oct. 02, 2024
LF cable 11M	EMC	EMCCFD400-NW-NW-1 1000	200801	Oct. 03, 2023	Oct. 02, 2024
LF cable 1M	EMC	EMCCFD400-NM-NM-10 00	160502	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 03, 2023	Oct. 02, 2024
Attenuator	Pasternack	PE7005-10	10-1	Oct. 05, 2023	Oct. 04, 2024
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 05, 2023	Oct. 04, 2024
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA
Measurement Software	Sporton	SENSE-EMI	V5.10.8	NA	NA

Note: Calibration Interval of instruments listed above is one year.

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Nov. 08, 2023				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 14, 2023	Apr. 13, 2024
Power Meter	Anritsu	ML2495A	1241002	Nov. 23, 2022	Nov. 22, 2023
Power Sensor	Anritsu	MA2411B	1207366	Nov. 23, 2022	Nov. 22, 2023
Attenuator	Pasternack	PE7005-10	10-2	Oct. 05, 2023	Oct. 04, 2024
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 C63.10-2013

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 ≤ 1 GHz	± 3.41 dB
Unwanted Emission > 1 GHz	± 4.59 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, 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.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- 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	11g	2437	6Mbps	---
Unwanted Emissions >1GHz				
Conducted Output Power	11b	2412 / 2437 / 2462	1 Mbps	---
6dB bandwidth	11g	2412 / 2437 / 2462	6 Mbps	
Power spectral density	HT20	2412 / 2437 / 2462	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

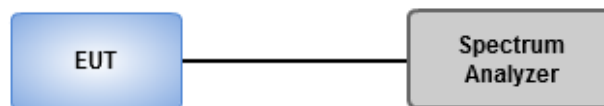
6dB Bandwidth

1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

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	22°C / 64%	Tested By	Akun Chung
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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 $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.

Antenna gain $> 6\text{dBi}$

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

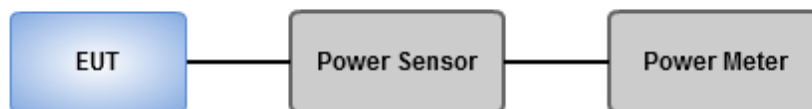
Fixed, point to point operations

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	22°C / 64%	Tested By	Akun Chung
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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.

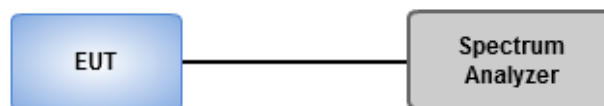
Average PSD, duty cycle \geq 98%

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	22°C / 64%	Tested By	Akun Chung
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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:
Quasi-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.

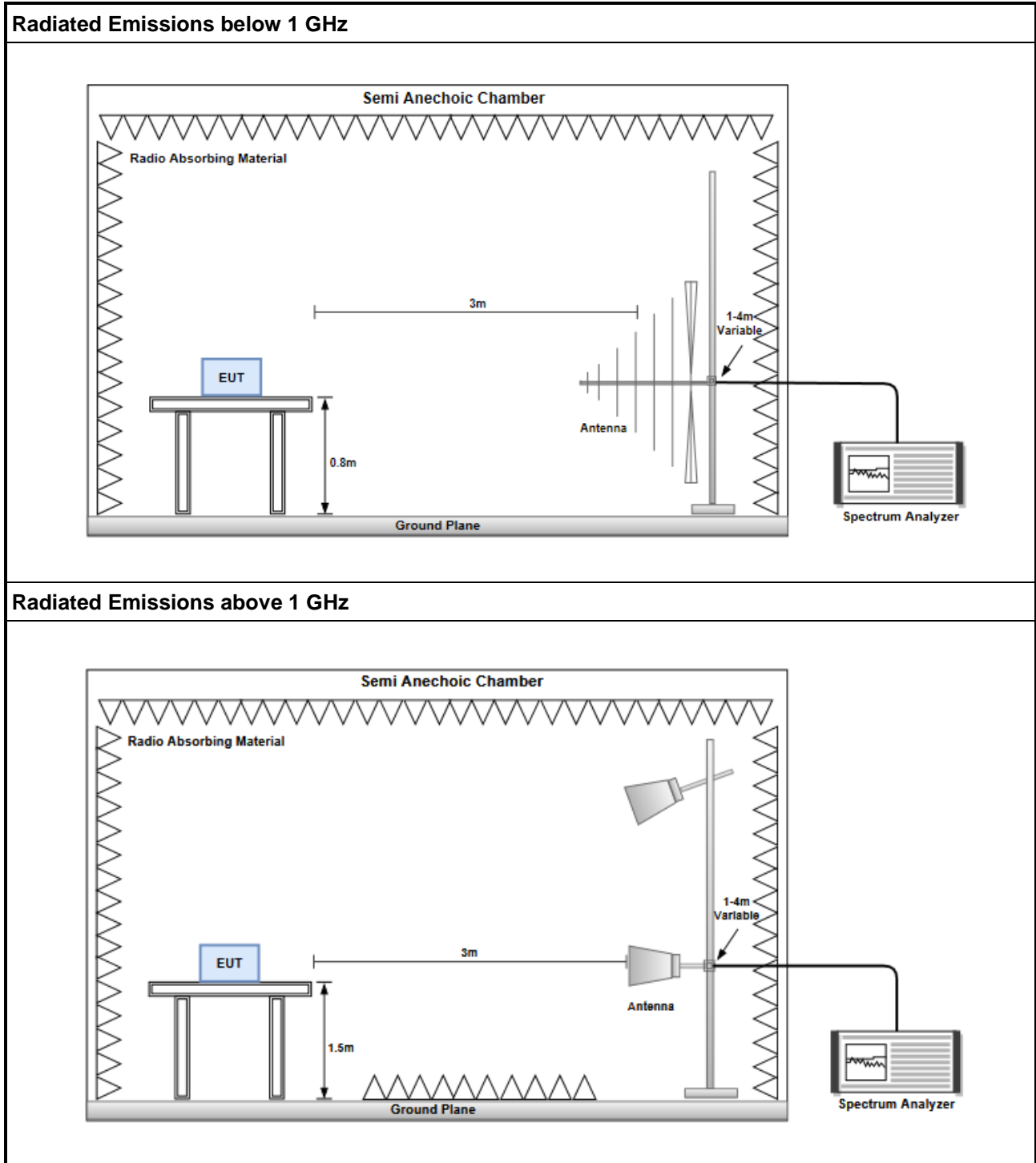
3.4.2 Test Procedures

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



3.4.4 Test Results

Ambient Condition	25°C / 64%	Tested By	Sean Yu / Paul Lin
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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

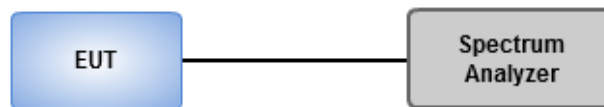
Reference level measurement

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	22°C / 64%	Tested By	Akun Chung
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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 <http://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	8.075M	14.025M	14M0G1D	7.525M	14.008M
802.11g_Nss1,(6Mbps)_1TX	15.275M	16.331M	16M3D1D	15M	16.32M
802.11n HT20_Nss1,(MCS0)_1TX	15.1M	17.462M	17M5D1D	13.85M	17.452M

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	8.075M	14.025M
2437MHz	Pass	500k	7.525M	14.013M
2462MHz	Pass	500k	8M	14.008M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.275M	16.331M
2437MHz	Pass	500k	15M	16.328M
2462MHz	Pass	500k	15M	16.32M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	13.85M	17.452M
2437MHz	Pass	500k	15.1M	17.453M
2462MHz	Pass	500k	15.1M	17.462M

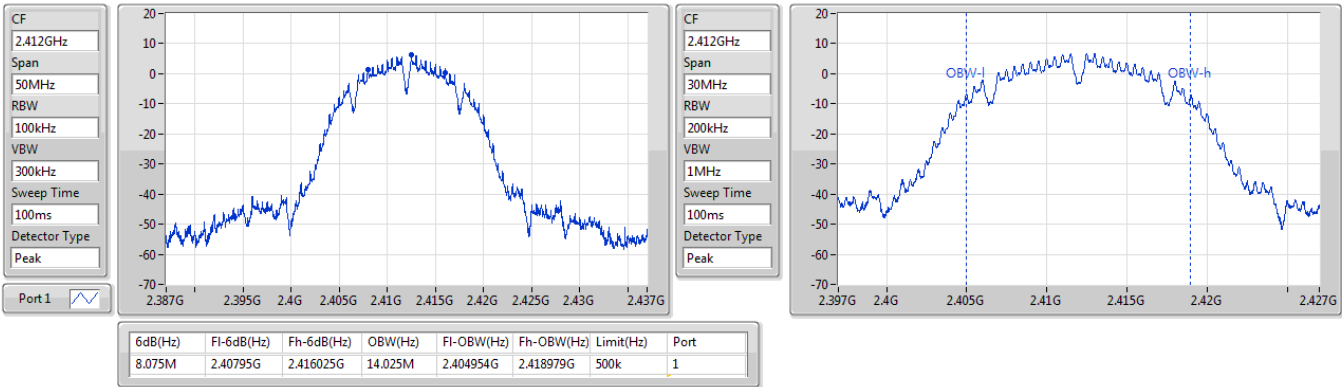
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth



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

EBW

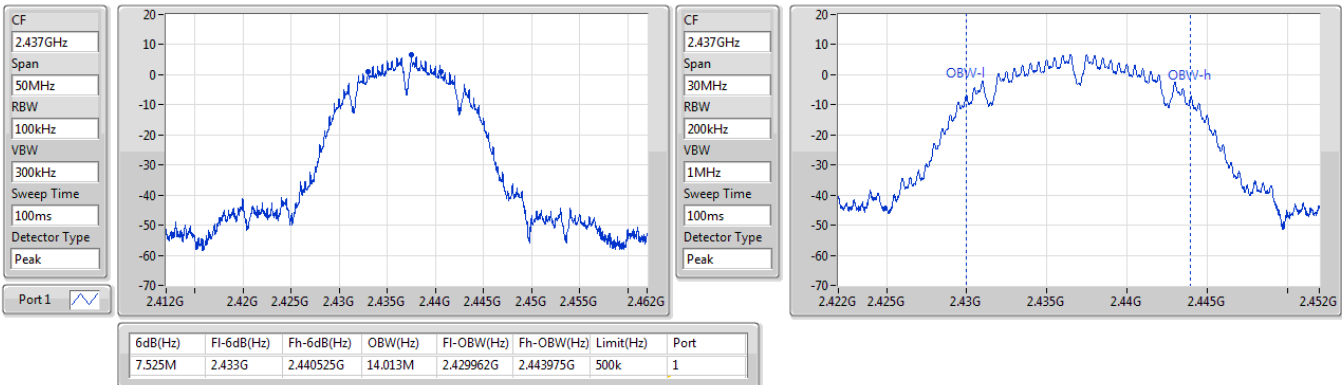
2412MHz



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

EBW

2437MHz

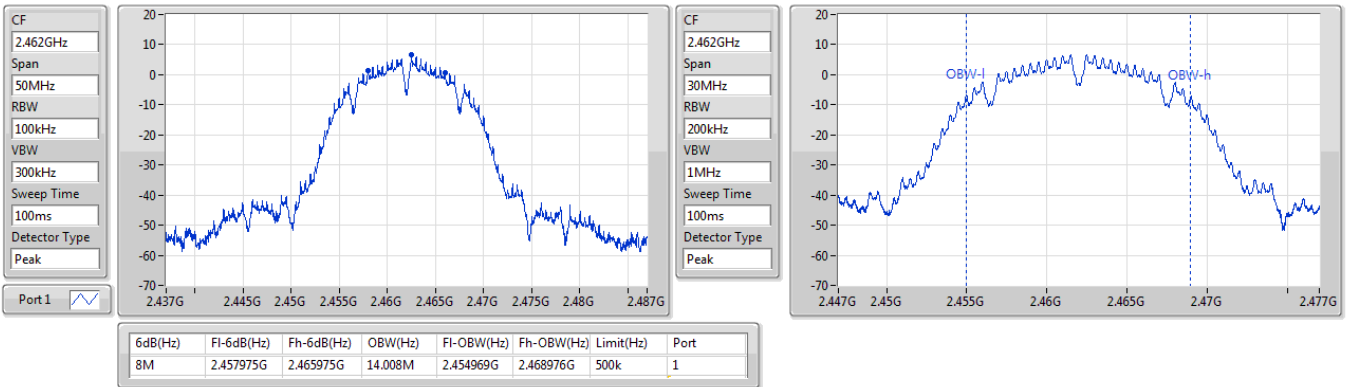




2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

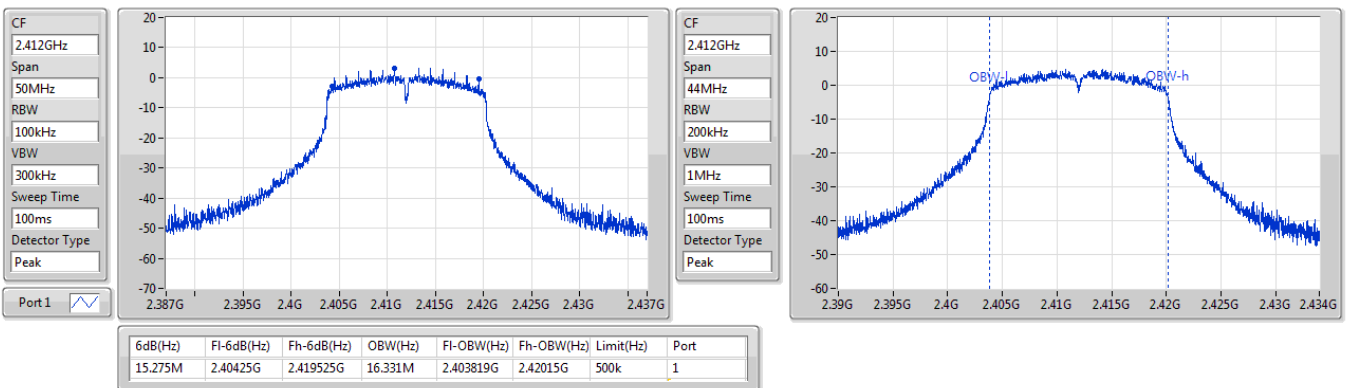
2462MHz



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

EBW

2412MHz

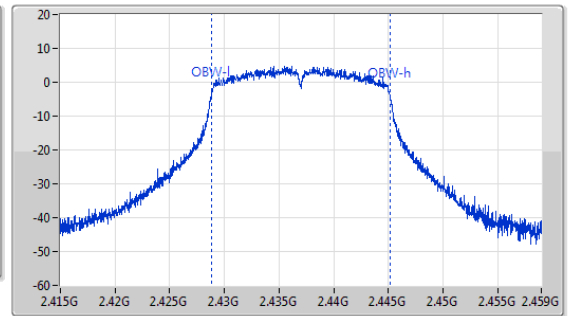
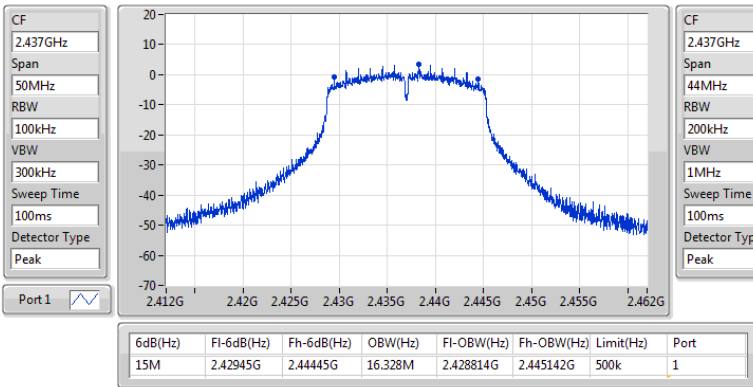




2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

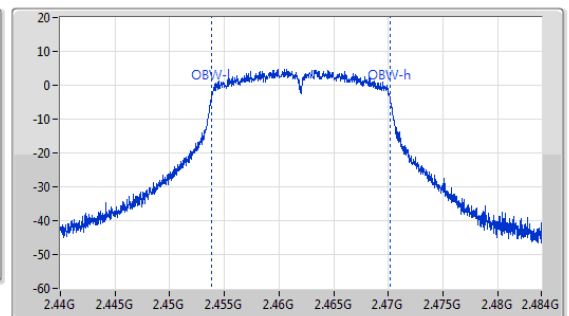
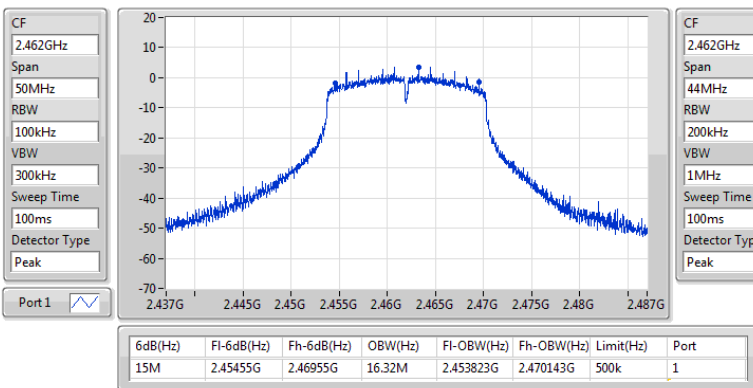
2437MHz



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

EBW

2462MHz



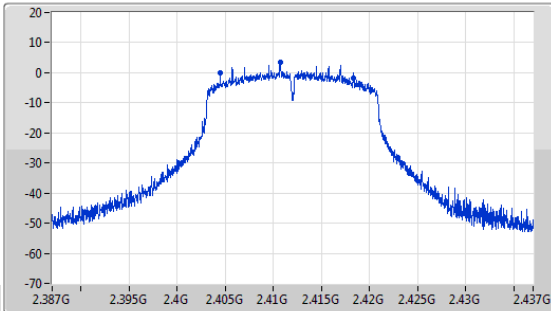


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

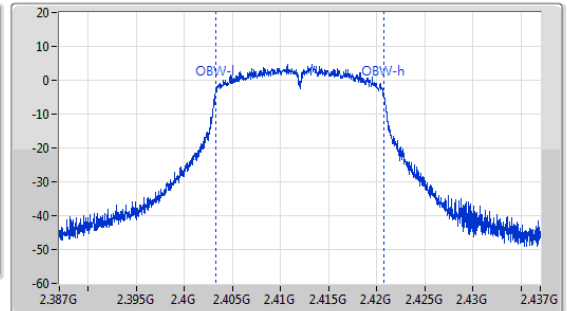
EBW

2412MHz

CF: 2.412GHz
 Span: 50MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 2.412GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



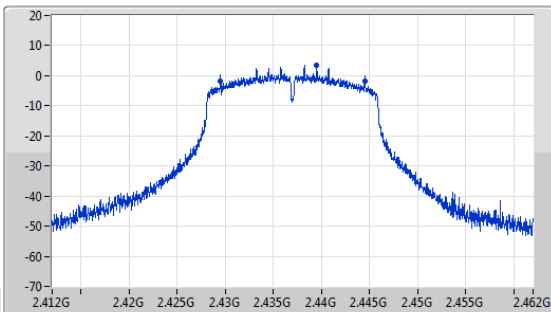
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.85M	2.404475G	2.418325G	17.452M	2.403241G	2.420693G	500k	1

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

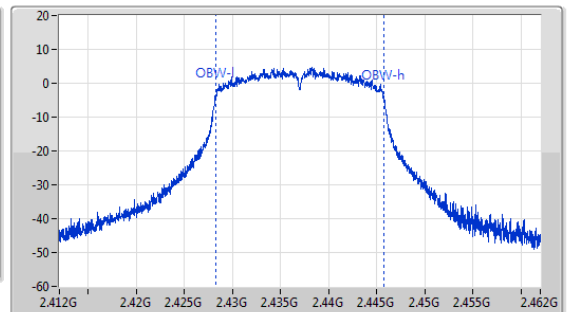
EBW

2437MHz

CF: 2.437GHz
 Span: 50MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 2.437GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



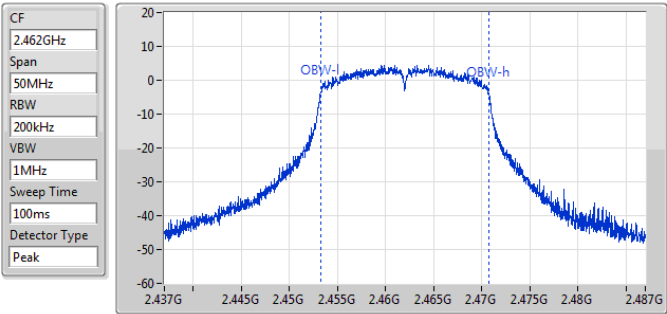
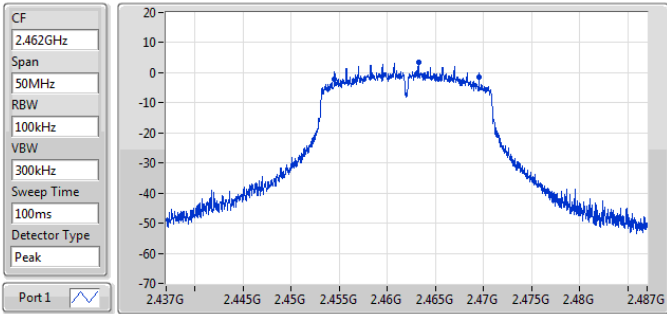
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.42945G	2.44455G	17.453M	2.428243G	2.445696G	500k	1



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

EBW

2462MHz



6dB(Hz)	F1-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	F1-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.45445G	2.46955G	17.462M	2.453243G	2.470705G	500k	1



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	16.36	0.04325
802.11g_Nss1,(6Mbps)_1TX	22.91	0.19543
802.11n HT20_Nss1,(MCS0)_1TX	22.76	0.18880

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	2.80	16.36	16.36	30.00	19.16	36.00
2437MHz	Pass	2.80	16.3	16.30	30.00	19.10	36.00
2462MHz	Pass	2.80	16.21	16.21	30.00	19.01	36.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	2.80	22.74	22.74	30.00	25.54	36.00
2437MHz	Pass	2.80	22.91	22.91	30.00	25.71	36.00
2462MHz	Pass	2.80	22.75	22.75	30.00	25.55	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	2.80	22.54	22.54	30.00	25.34	36.00
2437MHz	Pass	2.80	22.76	22.76	30.00	25.56	36.00
2462MHz	Pass	2.80	22.74	22.74	30.00	25.54	36.00

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



Conducted Output Power(Average)

Appendix B.2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	14.09	0.02564
802.11g_Nss1,(6Mbps)_1TX	14.16	0.02606
802.11n HT20_Nss1,(MCS0)_1TX	14.01	0.02518

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	2.80	14.09	14.09	-	16.89	-
2437MHz	Pass	2.80	14.01	14.01	-	16.81	-
2462MHz	Pass	2.80	14.05	14.05	-	16.85	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	2.80	14.01	14.01	-	16.81	-
2437MHz	Pass	2.80	14.16	14.16	-	16.96	-
2462MHz	Pass	2.80	14.08	14.08	-	16.88	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
2412MHz	Pass	2.80	13.85	13.85	-	16.65	-
2437MHz	Pass	2.80	14.01	14.01	-	16.81	-
2462MHz	Pass	2.80	13.96	13.96	-	16.76	-

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	-5.65
802.11g_Nss1,(6Mbps)_1TX	-10.58
802.11n HT20_Nss1,(MCS0)_1TX	-9.96

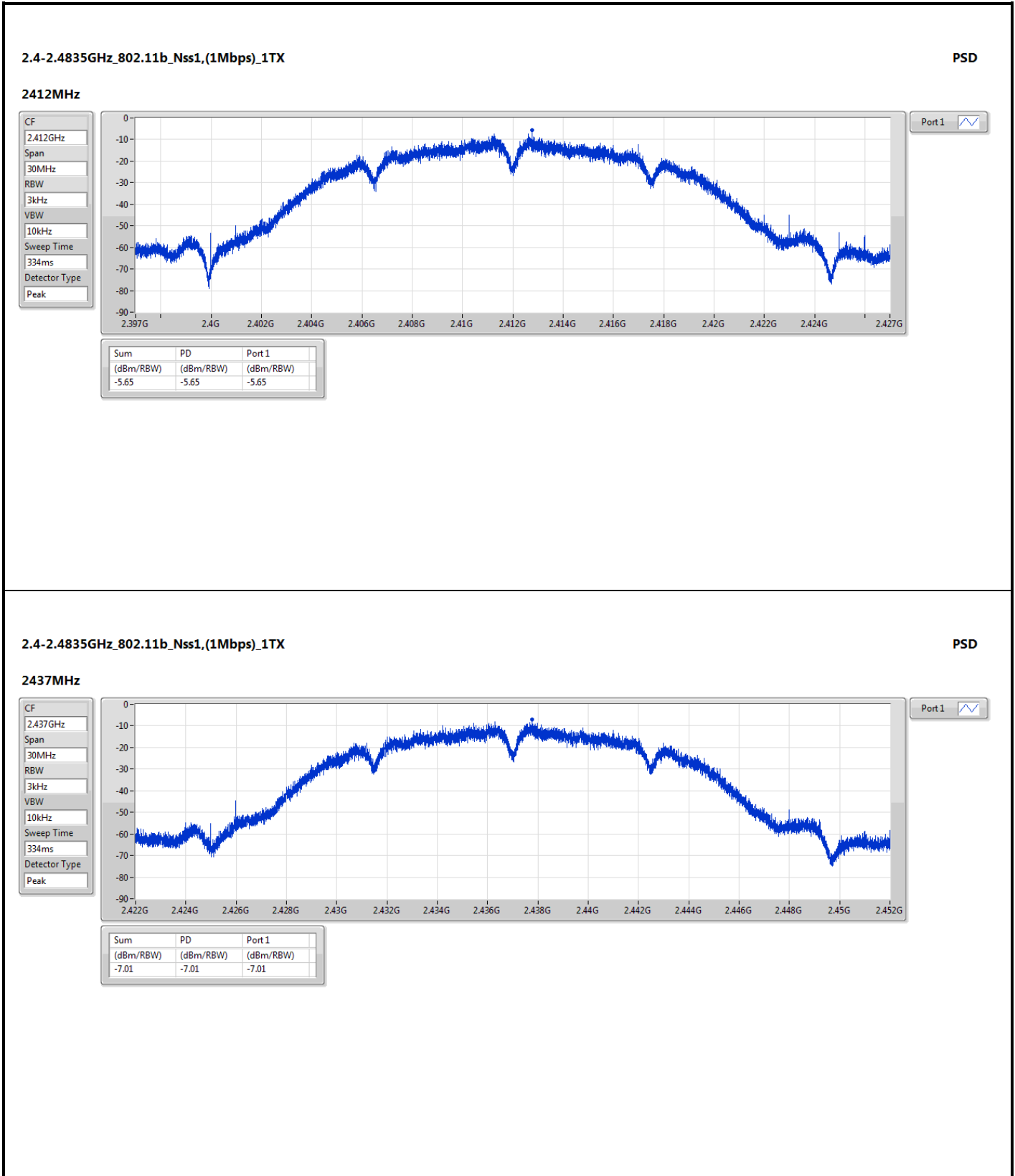
RBW = 3kHz;

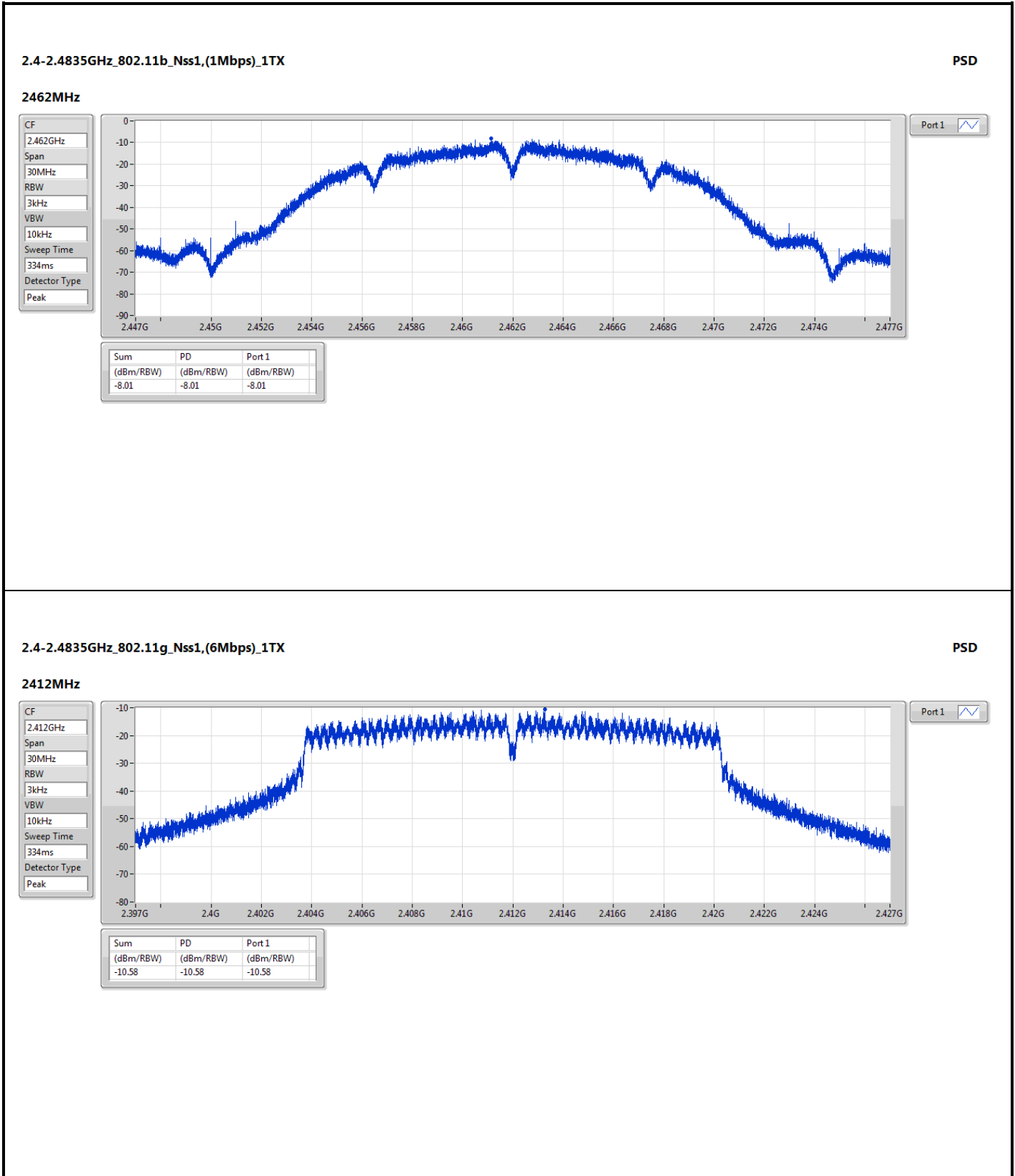
Result

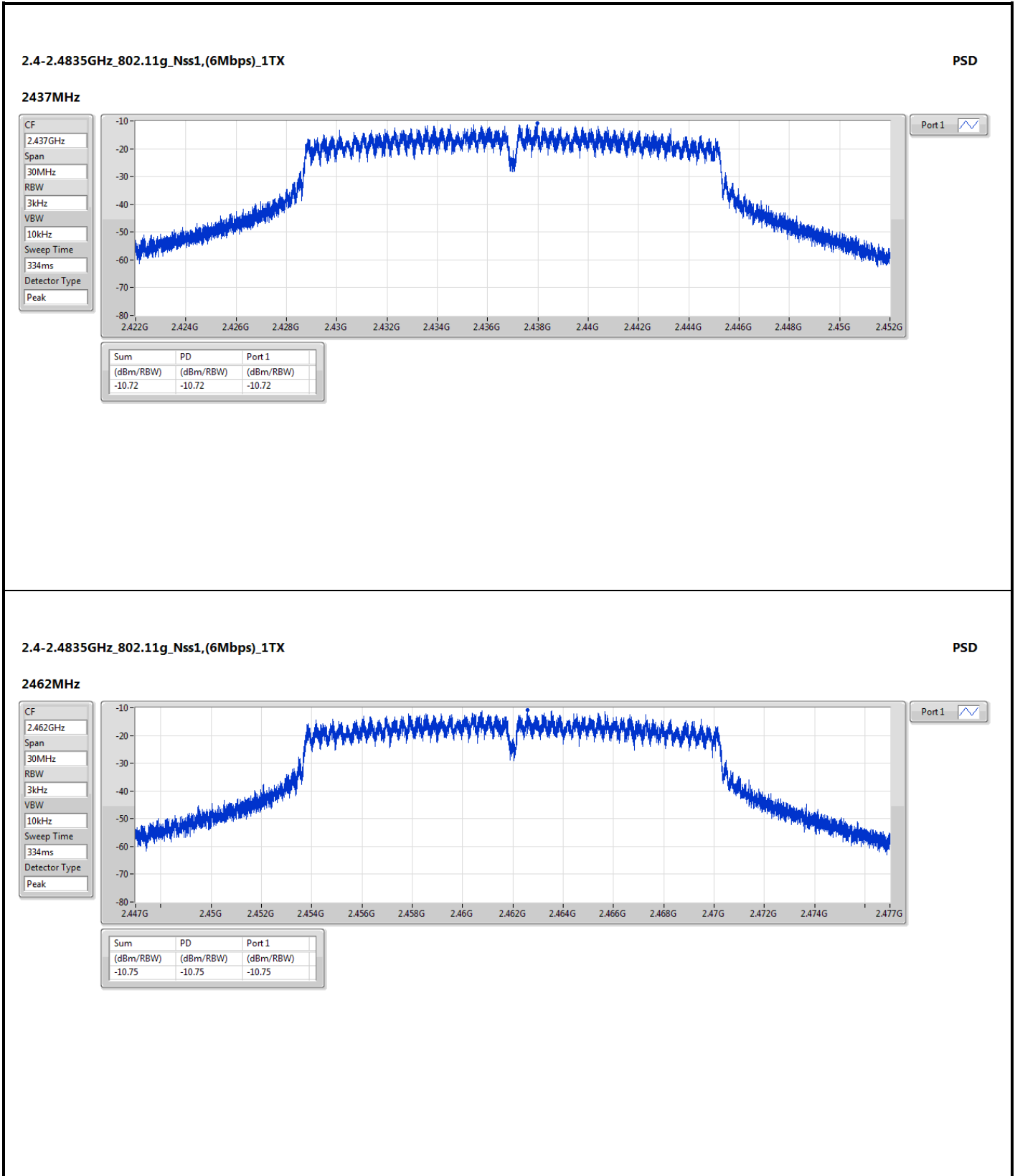
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.80	-5.65	-5.65	8.00
2437MHz	Pass	2.80	-7.01	-7.01	8.00
2462MHz	Pass	2.80	-8.01	-8.01	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.80	-10.58	-10.58	8.00
2437MHz	Pass	2.80	-10.72	-10.72	8.00
2462MHz	Pass	2.80	-10.75	-10.75	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.80	-11.30	-11.30	8.00
2437MHz	Pass	2.80	-9.96	-9.96	8.00
2462MHz	Pass	2.80	-10.10	-10.10	8.00

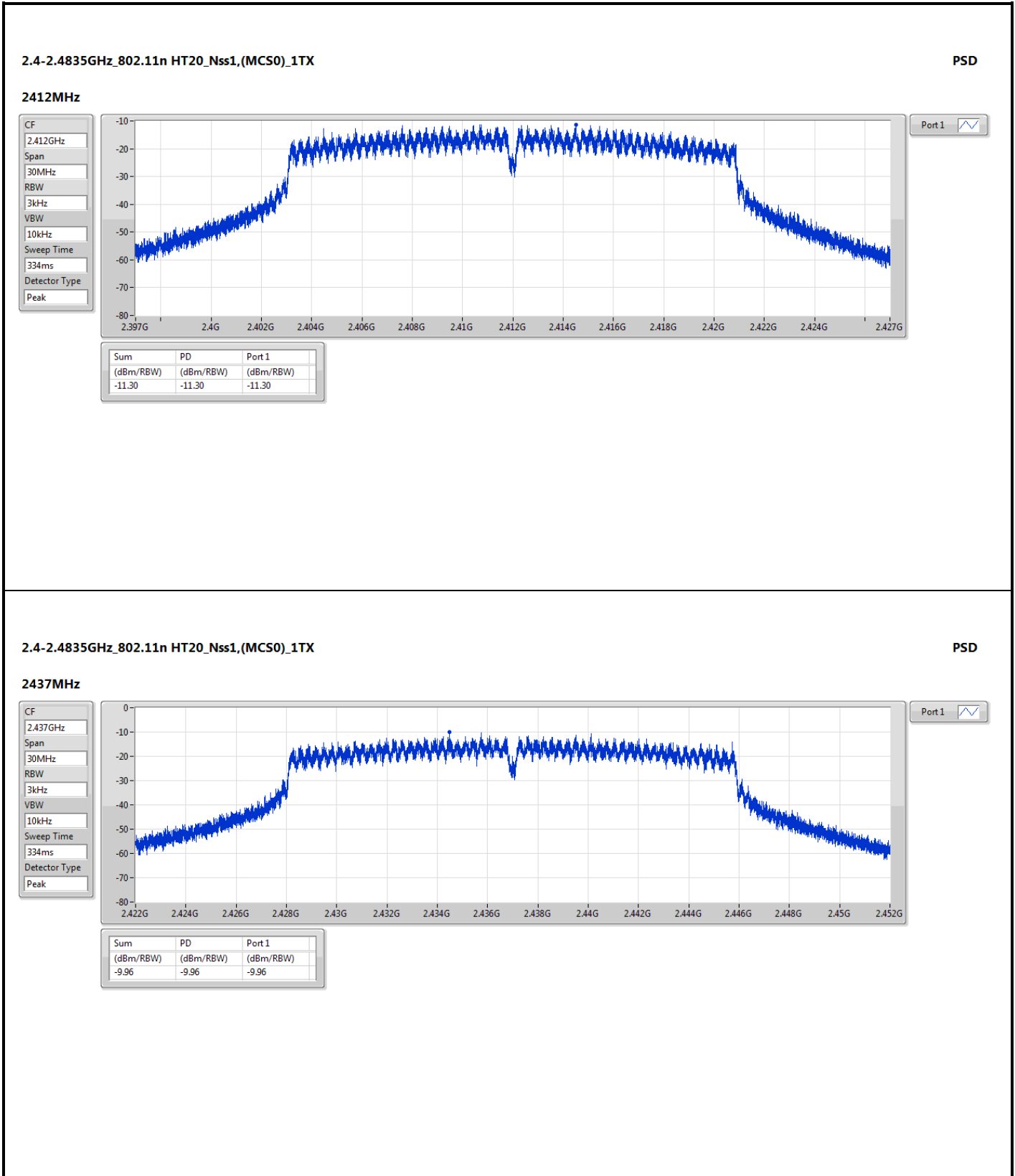
DG = Directional Gain; RBW = 3kHz;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;









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

2437MHz

CF
2.437GHz

Span
30MHz

RBW
3kHz

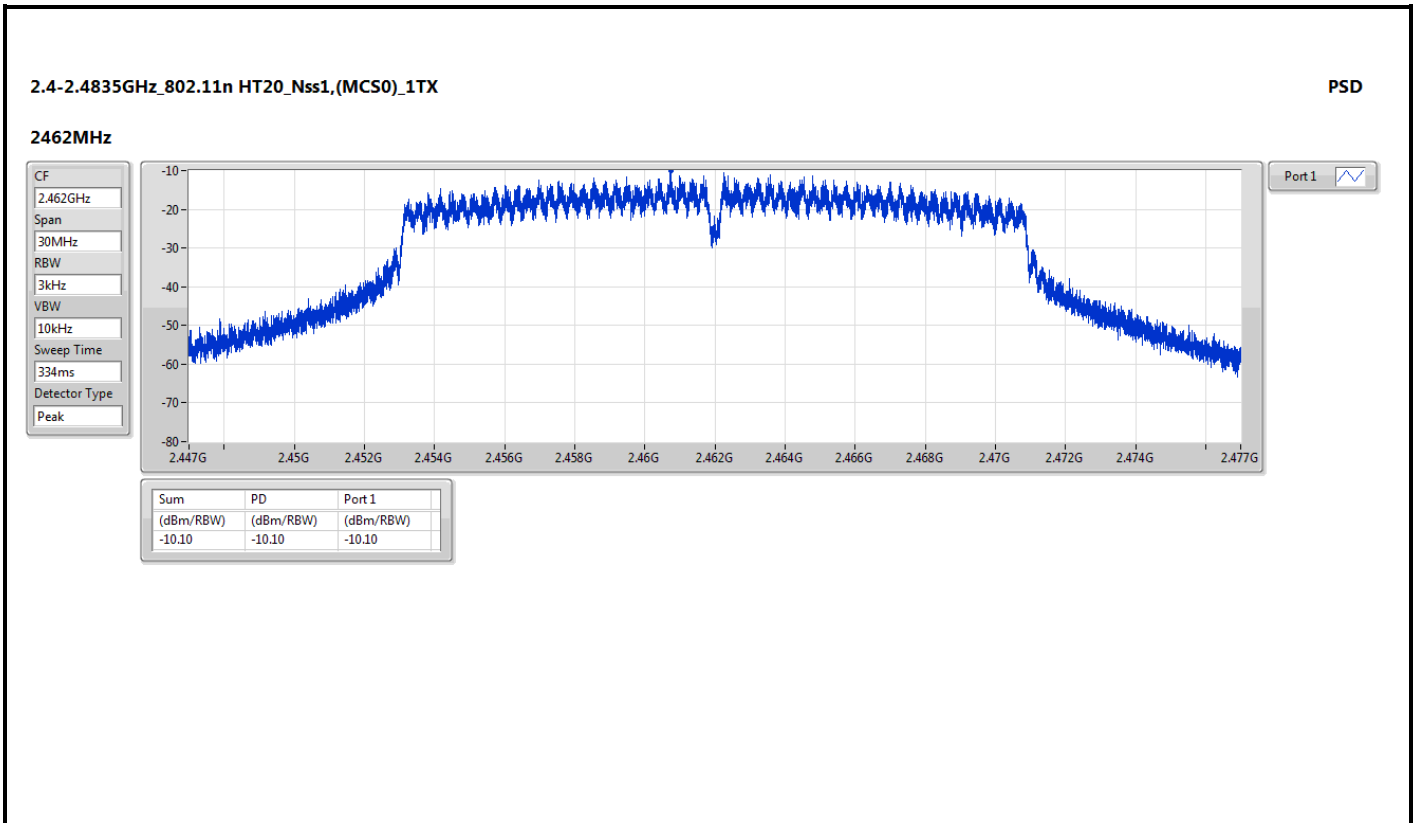
VBW
10kHz

Sweep Time
334ms

Detector Type
Peak

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.96	-9.96	-9.96

Port 1



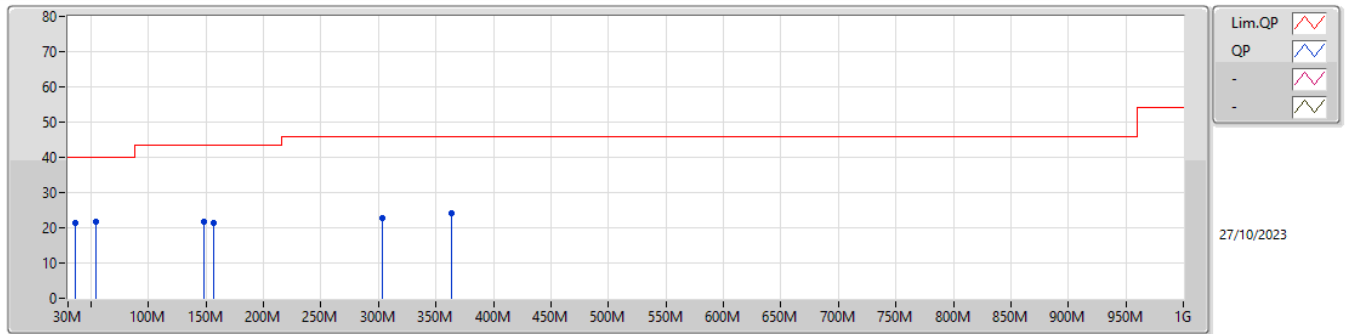


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	54.25M	21.60	40.00	-18.40	Vertical



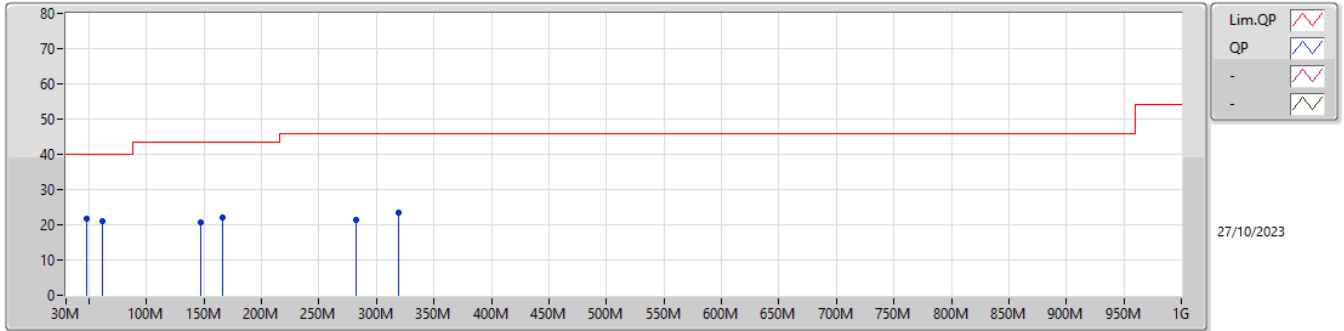
Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	36.79M	21.54	40.00	-18.46	-9.32	3	Vertical	-	-	-	30.86	18.14	0.55	28.01
PK	54.25M	21.60	40.00	-18.40	-8.10	3	Vertical	-	-	-	29.70	19.35	0.66	28.11
PK	148.34M	21.75	43.50	-21.75	-8.87	3	Vertical	-	-	-	30.62	18.40	1.14	28.41
PK	157.07M	21.38	43.50	-22.12	-8.73	3	Vertical	-	-	-	30.11	18.51	1.17	28.41
PK	303.54M	22.87	46.00	-23.13	-7.98	3	Vertical	-	-	-	30.85	18.77	1.67	28.42
PK	363.68M	24.20	46.00	-21.80	-6.53	3	Vertical	-	-	-	30.73	20.05	1.78	28.36



Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	48.43M	21.59	40.00	-18.41	-7.84	3	Horizontal	-	-	-	29.43	19.60	0.63	28.07
PK	62.01M	20.96	40.00	-19.04	-9.32	3	Horizontal	-	-	-	30.28	18.10	0.73	28.15
PK	147.37M	20.55	43.50	-22.95	-8.74	3	Horizontal	-	-	-	29.29	18.53	1.14	28.41
PK	165.8M	21.97	43.50	-21.53	-9.01	3	Horizontal	-	-	-	30.98	18.20	1.21	28.42
PK	282.2M	21.35	46.00	-24.65	-8.49	3	Horizontal	-	-	-	29.84	18.33	1.60	28.42
PK	319.06M	23.60	46.00	-22.40	-7.43	3	Horizontal	-	-	-	31.03	19.28	1.69	28.40



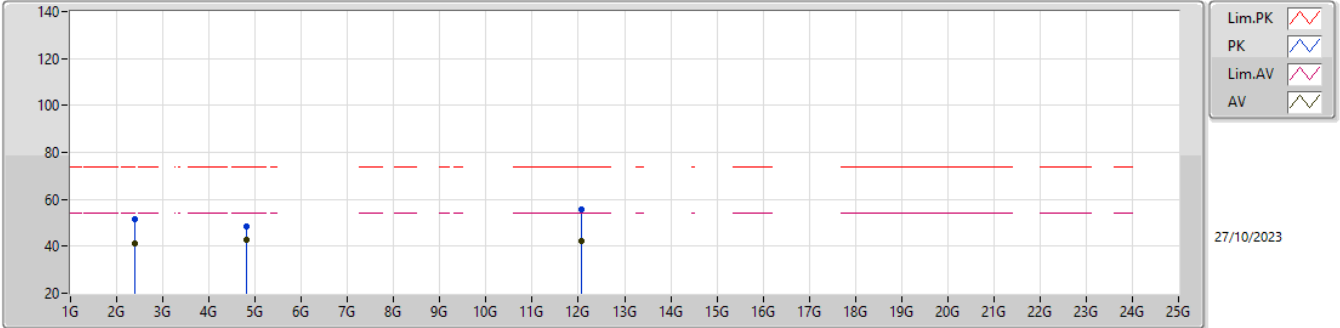
Summary

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	4.924G	47.08	54.00	-6.92	3	Vertical	240	1.08	-
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	2.4835G	64.84	74.00	-9.16	3	Vertical	232	1	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	2.4835G	66.91	74.00	-7.09	3	Vertical	238	1	-



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

2412MHz_TX

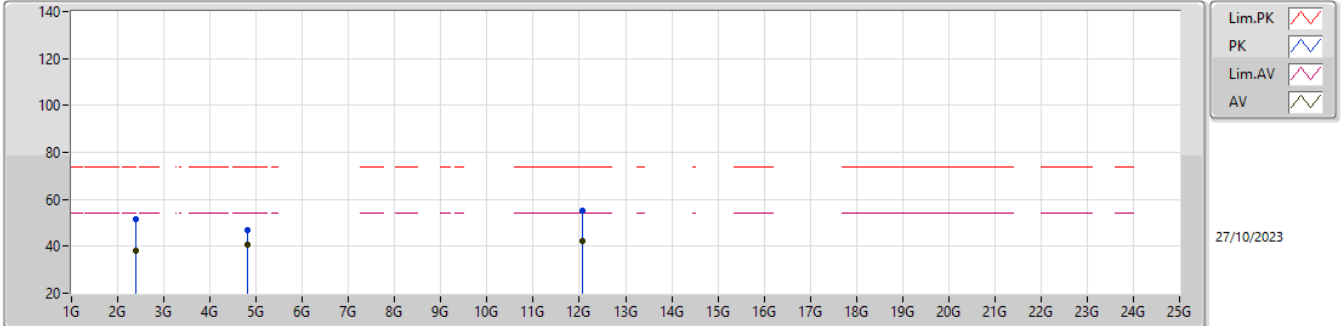


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	51.52	74.00	-22.48	55.78	3	Vertical	238	1.03	-	27.72	4.95	36.93
AV	2.39G	41.38	54.00	-12.62	45.64	3	Vertical	238	1.03	-	27.72	4.95	36.93
PK	4.824G	48.57	74.00	-25.43	48.83	3	Vertical	250	1.42	-	31.40	6.87	38.53
AV	4.824G	42.88	54.00	-11.12	43.14	3	Vertical	250	1.42	-	31.40	6.87	38.53
PK	12.06G	55.58	74.00	-18.42	48.84	3	Vertical	34	1	-	39.70	10.03	42.99
AV	12.06G	42.11	54.00	-11.89	35.37	3	Vertical	34	1	-	39.70	10.03	42.99



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

2412MHz_TX

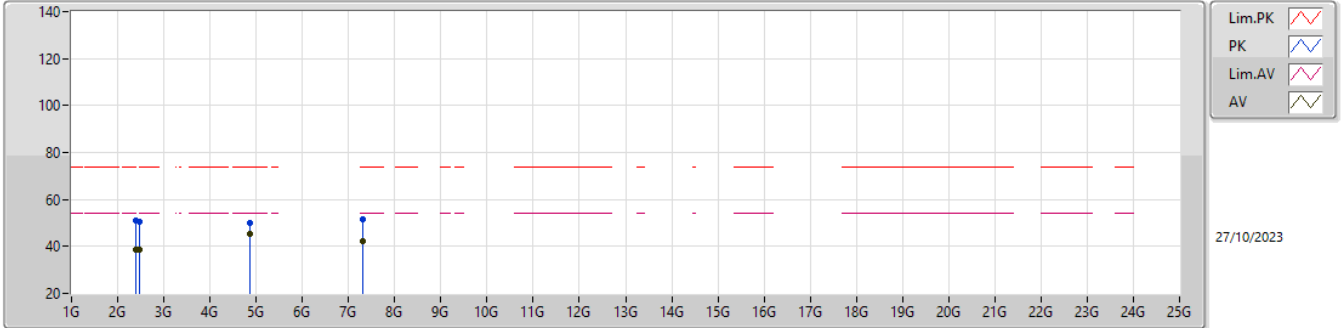


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	51.32	74.00	-22.68	55.58	3	Horizontal	272	2.05	-	27.72	4.95	36.93
AV	2.39G	38.32	54.00	-15.68	42.58	3	Horizontal	272	2.05	-	27.72	4.95	36.93
PK	4.824G	46.93	74.00	-27.07	47.19	3	Horizontal	300	1	-	31.40	6.87	38.53
AV	4.824G	40.69	54.00	-13.31	40.95	3	Horizontal	300	1	-	31.40	6.87	38.53
PK	12.06G	55.15	74.00	-18.85	48.41	3	Horizontal	104	1	-	39.70	10.03	42.99
AV	12.06G	42.44	54.00	-11.56	35.70	3	Horizontal	104	1	-	39.70	10.03	42.99



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

2437MHz_TX

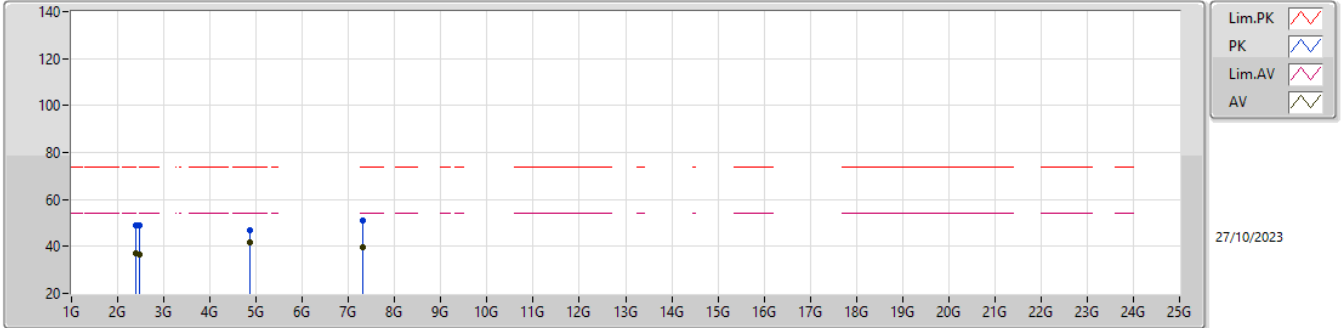


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	50.92	74.00	-23.08	55.18	3	Vertical	235	1.02	-	27.72	4.95	36.93
AV	2.39G	38.69	54.00	-15.31	42.95	3	Vertical	235	1.02	-	27.72	4.95	36.93
PK	2.4835G	50.39	74.00	-23.61	54.84	3	Vertical	235	1.02	-	27.50	5.06	37.01
AV	2.4835G	38.40	54.00	-15.60	42.85	3	Vertical	235	1.02	-	27.50	5.06	37.01
PK	4.874G	49.90	74.00	-24.10	50.15	3	Vertical	238	1.58	-	31.40	6.92	38.57
AV	4.874G	45.58	54.00	-8.42	45.83	3	Vertical	238	1.58	-	31.40	6.92	38.57
PK	7.311G	51.65	74.00	-22.35	46.19	3	Vertical	219	3.08	-	36.48	8.43	39.45
AV	7.311G	42.19	54.00	-11.81	36.73	3	Vertical	219	3.08	-	36.48	8.43	39.45



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

2437MHz_TX

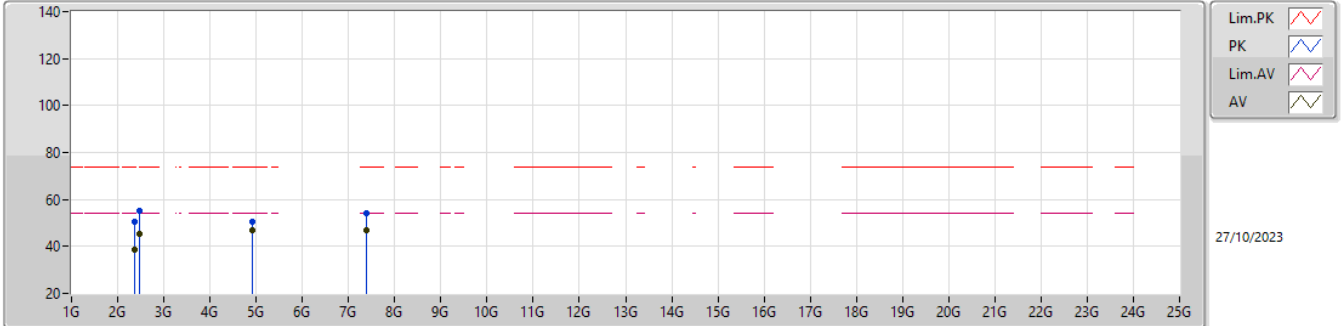


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	48.88	74.00	-25.12	53.14	3	Horizontal	273	2.28	-	27.72	4.95	36.93
AV	2.39G	37.01	54.00	-16.99	41.27	3	Horizontal	273	2.28	-	27.72	4.95	36.93
PK	2.4835G	49.04	74.00	-24.96	53.49	3	Horizontal	273	2.28	-	27.50	5.06	37.01
AV	2.4835G	36.71	54.00	-17.29	41.16	3	Horizontal	273	2.28	-	27.50	5.06	37.01
PK	4.874G	46.76	74.00	-27.24	47.01	3	Horizontal	301	1.06	-	31.40	6.92	38.57
AV	4.874G	41.69	54.00	-12.31	41.94	3	Horizontal	301	1.06	-	31.40	6.92	38.57
PK	7.311G	50.96	74.00	-23.04	45.50	3	Horizontal	300	1.00	-	36.48	8.43	39.45
AV	7.311G	39.71	54.00	-14.29	34.25	3	Horizontal	300	1.00	-	36.48	8.43	39.45



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

2462MHz_TX

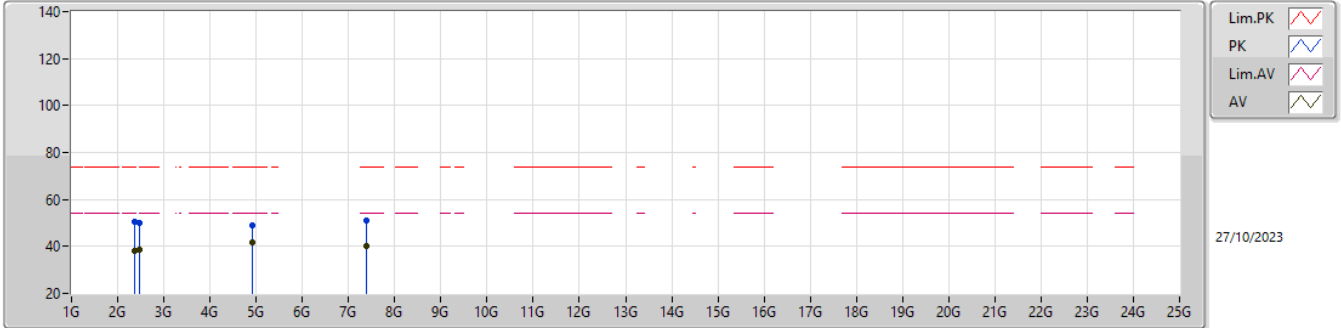


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.357G	50.54	74.00	-23.46	54.74	3	Vertical	236	1	-	27.79	4.91	36.90
AV	2.357G	38.44	54.00	-15.56	42.64	3	Vertical	236	1	-	27.79	4.91	36.90
PK	2.4835G	55.36	74.00	-18.64	59.81	3	Vertical	236	1	-	27.50	5.06	37.01
AV	2.4835G	45.19	54.00	-8.81	49.64	3	Vertical	236	1	-	27.50	5.06	37.01
PK	4.924G	50.65	74.00	-23.35	50.84	3	Vertical	240	1.08	-	31.45	6.96	38.60
AV	4.924G	47.08	54.00	-6.92	47.27	3	Vertical	240	1.08	-	31.45	6.96	38.60
PK	7.386G	54.37	74.00	-19.63	49.04	3	Vertical	224	3.03	-	36.40	8.47	39.54
AV	7.386G	46.85	54.00	-7.15	41.52	3	Vertical	224	3.03	-	36.40	8.47	39.54



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

2462MHz_TX

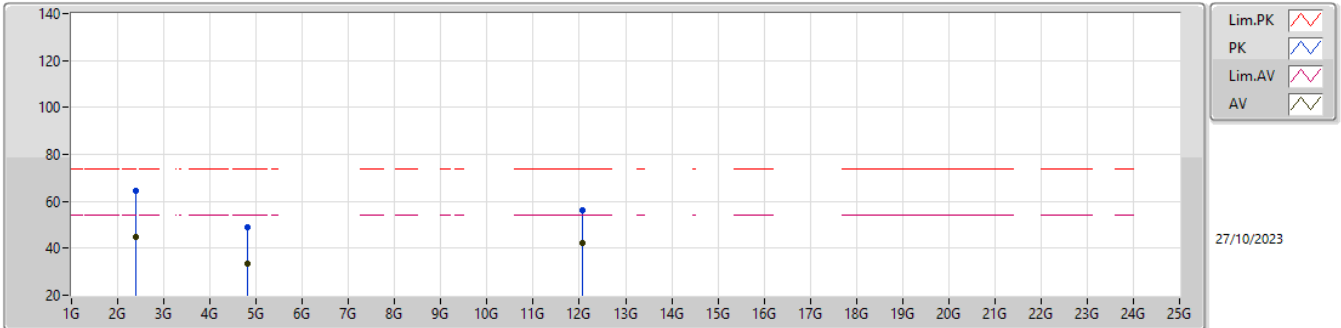


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.357G	50.26	74.00	-23.74	54.46	3	Horizontal	270	1.92	-	27.79	4.91	36.90
AV	2.357G	38.13	54.00	-15.87	42.33	3	Horizontal	270	1.92	-	27.79	4.91	36.90
PK	2.4835G	49.94	74.00	-24.06	54.39	3	Horizontal	270	1.92	-	27.50	5.06	37.01
AV	2.4835G	38.44	54.00	-15.56	42.89	3	Horizontal	270	1.92	-	27.50	5.06	37.01
PK	4.924G	49.15	74.00	-24.85	49.34	3	Horizontal	304	1	-	31.45	6.96	38.60
AV	4.924G	41.97	54.00	-12.03	42.16	3	Horizontal	304	1	-	31.45	6.96	38.60
PK	7.386G	51.15	74.00	-22.85	45.82	3	Horizontal	317	1.00	-	36.40	8.47	39.54
AV	7.386G	40.10	54.00	-13.90	34.77	3	Horizontal	317	1.00	-	36.40	8.47	39.54



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

2412MHz_TX

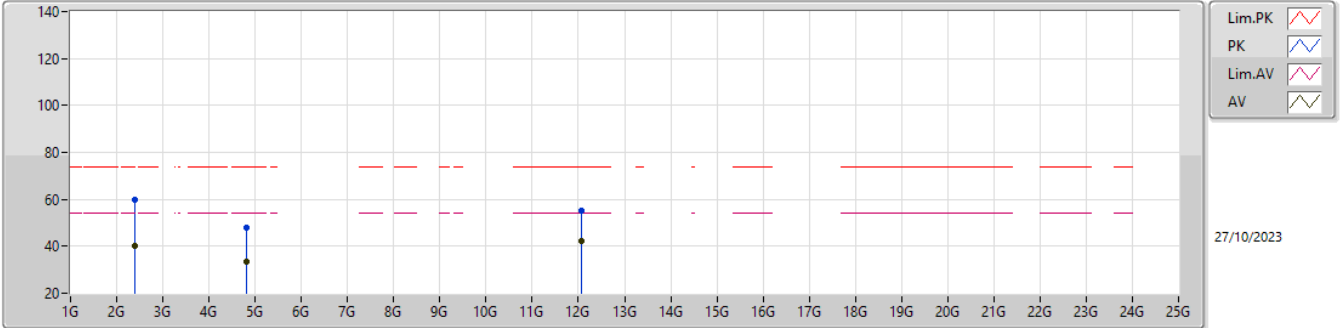


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	64.64	74.00	-9.36	68.90	3	Vertical	239	1	-	27.72	4.95	36.93
AV	2.39G	44.73	54.00	-9.27	48.99	3	Vertical	239	1	-	27.72	4.95	36.93
PK	4.824G	48.97	74.00	-25.03	49.23	3	Vertical	272	1.61	-	31.40	6.87	38.53
AV	4.824G	33.40	54.00	-20.60	33.66	3	Vertical	272	1.61	-	31.40	6.87	38.53
PK	12.06G	56.09	74.00	-17.91	49.35	3	Vertical	18	1	-	39.70	10.03	42.99
AV	12.06G	42.20	54.00	-11.80	35.46	3	Vertical	18	1	-	39.70	10.03	42.99



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

2412MHz_TX

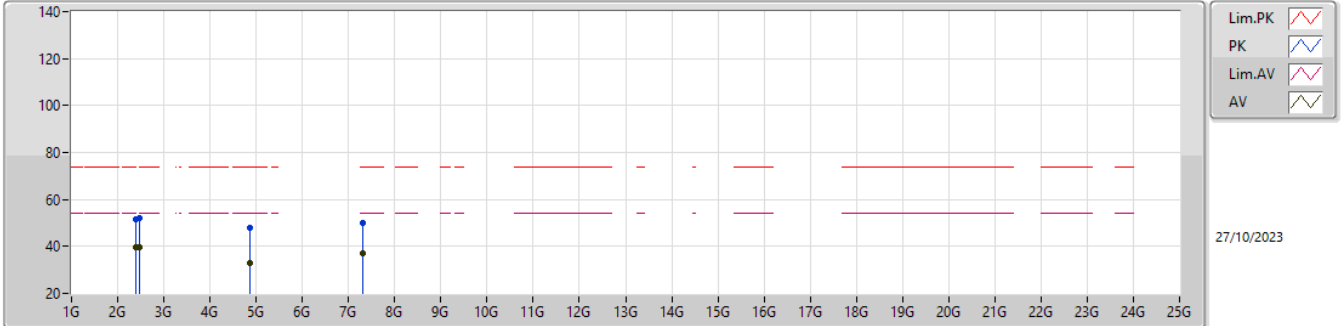


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	59.98	74.00	-14.02	64.24	3	Horizontal	272	2.02	-	27.72	4.95	36.93
AV	2.39G	40.38	54.00	-13.62	44.64	3	Horizontal	272	2.02	-	27.72	4.95	36.93
PK	4.824G	48.13	74.00	-25.87	48.39	3	Horizontal	323	1	-	31.40	6.87	38.53
AV	4.824G	33.39	54.00	-20.61	33.65	3	Horizontal	323	1	-	31.40	6.87	38.53
PK	12.06G	55.27	74.00	-18.73	48.53	3	Horizontal	124	1	-	39.70	10.03	42.99
AV	12.06G	42.24	54.00	-11.76	35.50	3	Horizontal	124	1	-	39.70	10.03	42.99



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

2437MHz_TX

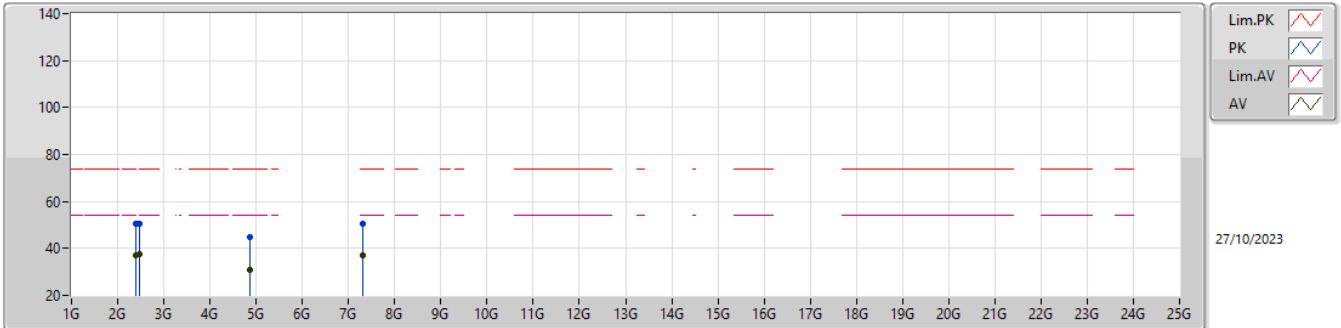


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	51.54	74.00	-22.46	55.80	3	Vertical	237	1	-	27.72	4.95	36.93
AV	2.39G	39.76	54.00	-14.24	44.02	3	Vertical	237	1	-	27.72	4.95	36.93
PK	2.4835G	52.03	74.00	-21.97	56.48	3	Vertical	237	1	-	27.50	5.06	37.01
AV	2.4835G	39.57	54.00	-14.43	44.02	3	Vertical	237	1	-	27.50	5.06	37.01
PK	4.874G	47.72	74.00	-26.28	47.97	3	Vertical	273	1.62	-	31.40	6.92	38.57
AV	4.874G	33.12	54.00	-20.88	33.37	3	Vertical	273	1.62	-	31.40	6.92	38.57
PK	7.311G	50.07	74.00	-23.93	44.61	3	Vertical	42	1.00	-	36.48	8.43	39.45
AV	7.311G	37.15	54.00	-16.85	31.69	3	Vertical	42	1.00	-	36.48	8.43	39.45



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

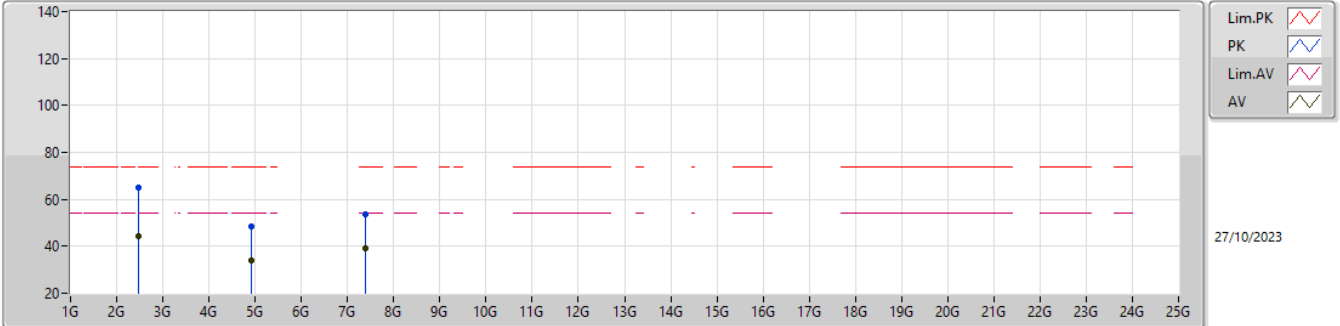
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	50.62	74.00	-23.38	54.88	3	Horizontal	271	1.99	-	27.72	4.95	36.93
AV	2.39G	37.21	54.00	-16.79	41.47	3	Horizontal	271	1.99	-	27.72	4.95	36.93
PK	2.4835G	50.76	74.00	-23.24	55.21	3	Horizontal	271	1.99	-	27.50	5.06	37.01
AV	2.4835G	37.56	54.00	-16.44	42.01	3	Horizontal	271	1.99	-	27.50	5.06	37.01
PK	4.874G	44.62	74.00	-29.38	44.87	3	Horizontal	133	1	-	31.40	6.92	38.57
AV	4.874G	30.87	54.00	-23.13	31.12	3	Horizontal	133	1	-	31.40	6.92	38.57
PK	7.311G	50.65	74.00	-23.35	45.19	3	Horizontal	76	1.00	-	36.48	8.43	39.45
AV	7.311G	37.22	54.00	-16.78	31.76	3	Horizontal	76	1.00	-	36.48	8.43	39.45

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

2462MHz_TX

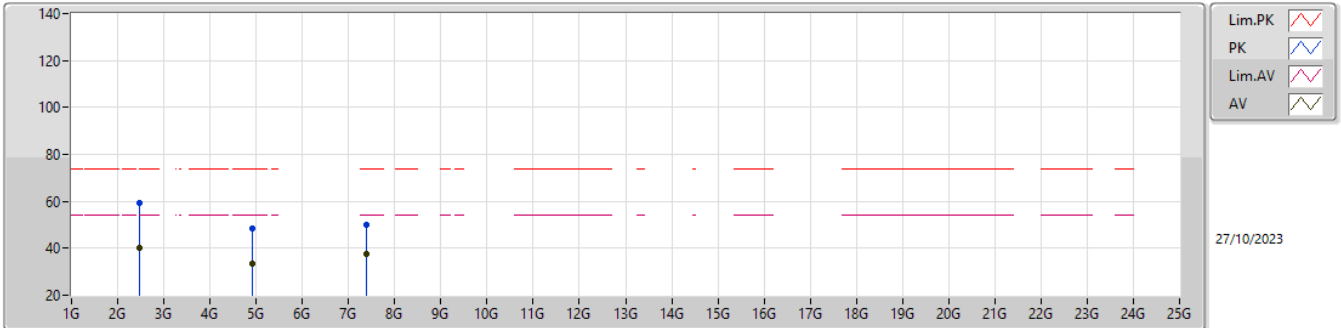


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4835G	64.84	74.00	-9.16	69.29	3	Vertical	232	1	-	27.50	5.06	37.01
AV	2.4835G	44.21	54.00	-9.79	48.66	3	Vertical	232	1	-	27.50	5.06	37.01
PK	4.924G	48.27	74.00	-25.73	48.46	3	Vertical	267	1.66	-	31.45	6.96	38.60
AV	4.924G	33.78	54.00	-20.22	33.97	3	Vertical	267	1.66	-	31.45	6.96	38.60
PK	7.386G	53.66	74.00	-20.34	48.33	3	Vertical	97	1	-	36.40	8.47	39.54
AV	7.386G	39.10	54.00	-14.90	33.77	3	Vertical	97	1	-	36.40	8.47	39.54



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

2462MHz_TX

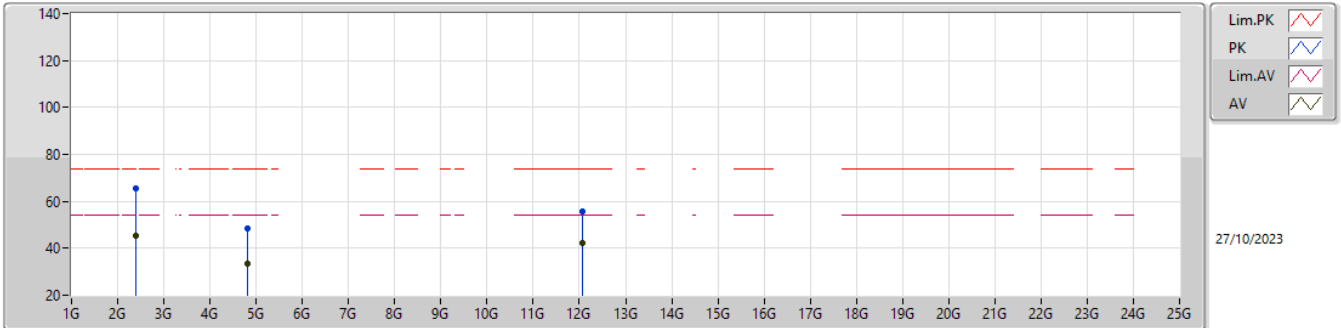


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4835G	59.30	74.00	-14.70	63.75	3	Horizontal	270	1.93	-	27.50	5.06	37.01
AV	2.4835G	40.37	54.00	-13.63	44.82	3	Horizontal	270	1.93	-	27.50	5.06	37.01
PK	4.924G	48.49	74.00	-25.51	48.68	3	Horizontal	116	1	-	31.45	6.96	38.60
AV	4.924G	33.64	54.00	-20.36	33.83	3	Horizontal	116	1	-	31.45	6.96	38.60
PK	7.386G	50.06	74.00	-23.94	44.73	3	Horizontal	45	1	-	36.40	8.47	39.54
AV	7.386G	37.79	54.00	-16.21	32.46	3	Horizontal	45	1	-	36.40	8.47	39.54



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2412MHz_TX

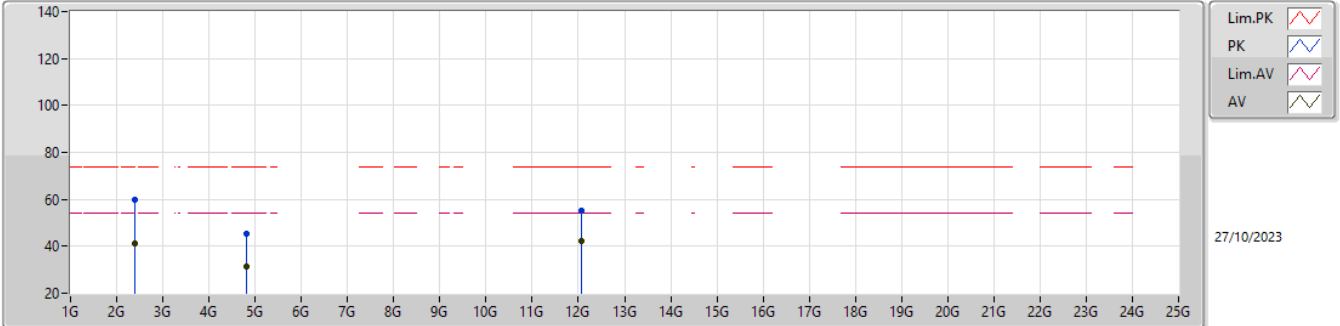


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.72	74.00	-8.28	69.98	3	Vertical	236	1	-	27.72	4.95	36.93
AV	2.39G	45.35	54.00	-8.65	49.61	3	Vertical	236	1	-	27.72	4.95	36.93
PK	4.824G	48.49	74.00	-25.51	48.75	3	Vertical	264	1.6	-	31.40	6.87	38.53
AV	4.824G	33.60	54.00	-20.40	33.86	3	Vertical	264	1.6	-	31.40	6.87	38.53
PK	12.06G	55.67	74.00	-18.33	48.93	3	Vertical	79	1	-	39.70	10.03	42.99
AV	12.06G	42.38	54.00	-11.62	35.64	3	Vertical	79	1	-	39.70	10.03	42.99



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2412MHz_TX

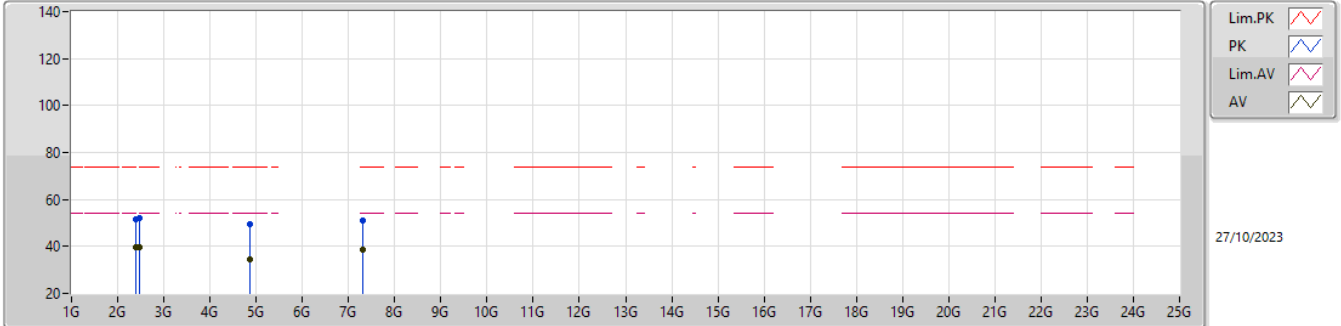


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	59.67	74.00	-14.33	63.93	3	Horizontal	272	2.05	-	27.72	4.95	36.93
AV	2.39G	41.18	54.00	-12.82	45.44	3	Horizontal	272	2.05	-	27.72	4.95	36.93
PK	4.824G	45.11	74.00	-28.89	45.37	3	Horizontal	123	1	-	31.40	6.87	38.53
AV	4.824G	31.56	54.00	-22.44	31.82	3	Horizontal	123	1	-	31.40	6.87	38.53
PK	12.06G	55.28	74.00	-18.72	48.54	3	Horizontal	37	1	-	39.70	10.03	42.99
AV	12.06G	42.23	54.00	-11.77	35.49	3	Horizontal	37	1	-	39.70	10.03	42.99



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2437MHz_TX

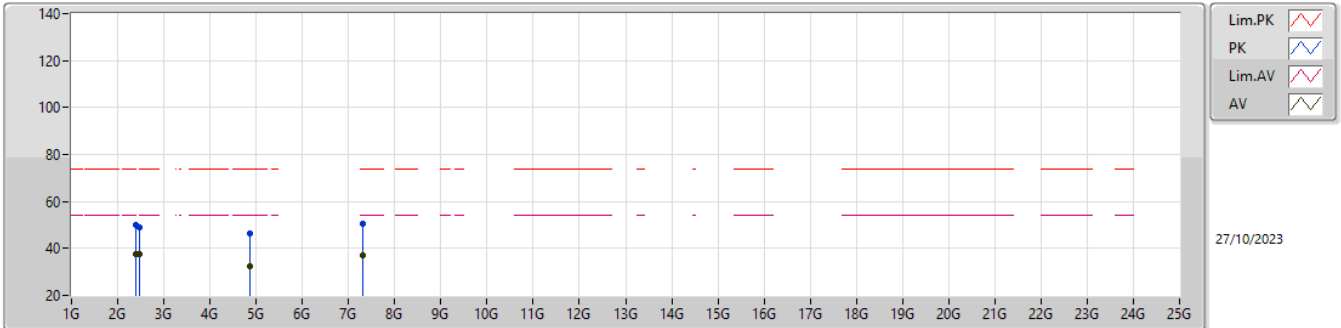


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	51.81	74.00	-22.19	56.07	3	Vertical	238	1.03	-	27.72	4.95	36.93
AV	2.39G	39.64	54.00	-14.36	43.90	3	Vertical	238	1.03	-	27.72	4.95	36.93
PK	2.4835G	51.92	74.00	-22.08	56.37	3	Vertical	238	1.03	-	27.50	5.06	37.01
AV	2.4835G	39.59	54.00	-14.41	44.04	3	Vertical	238	1.03	-	27.50	5.06	37.01
PK	4.874G	49.33	74.00	-24.67	49.58	3	Vertical	250	1.11	-	31.40	6.92	38.57
AV	4.874G	34.49	54.00	-19.51	34.74	3	Vertical	250	1.11	-	31.40	6.92	38.57
PK	7.311G	51.20	74.00	-22.80	45.74	3	Vertical	65	1.00	-	36.48	8.43	39.45
AV	7.311G	38.41	54.00	-15.59	32.95	3	Vertical	65	1.00	-	36.48	8.43	39.45



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

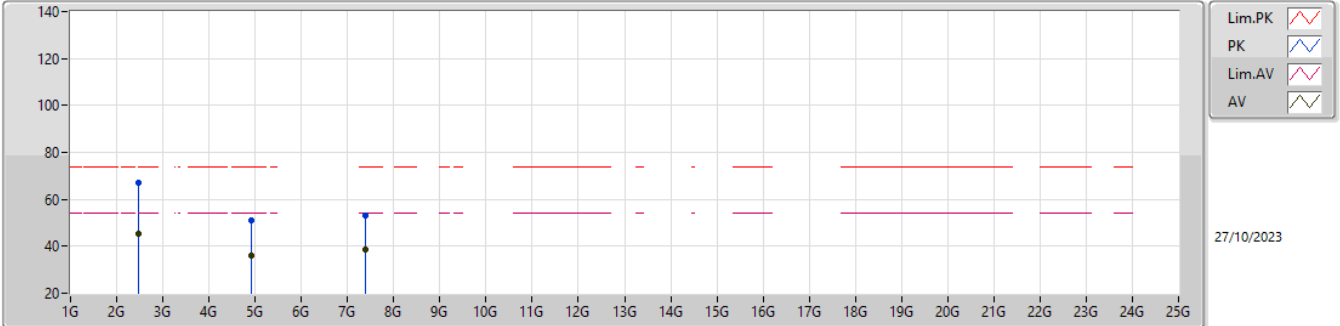
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	50.24	74.00	-23.76	54.50	3	Horizontal	270	1.98	-	27.72	4.95	36.93
AV	2.39G	37.54	54.00	-16.46	41.80	3	Horizontal	270	1.98	-	27.72	4.95	36.93
PK	2.4835G	49.02	74.00	-24.98	53.47	3	Horizontal	270	1.98	-	27.50	5.06	37.01
AV	2.4835G	37.44	54.00	-16.56	41.89	3	Horizontal	270	1.98	-	27.50	5.06	37.01
PK	4.874G	46.26	74.00	-27.74	46.51	3	Horizontal	122	1	-	31.40	6.92	38.57
AV	4.874G	32.27	54.00	-21.73	32.52	3	Horizontal	122	1	-	31.40	6.92	38.57
PK	7.311G	50.71	74.00	-23.29	45.25	3	Horizontal	41	1.00	-	36.48	8.43	39.45
AV	7.311G	37.25	54.00	-16.75	31.79	3	Horizontal	41	1.00	-	36.48	8.43	39.45

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

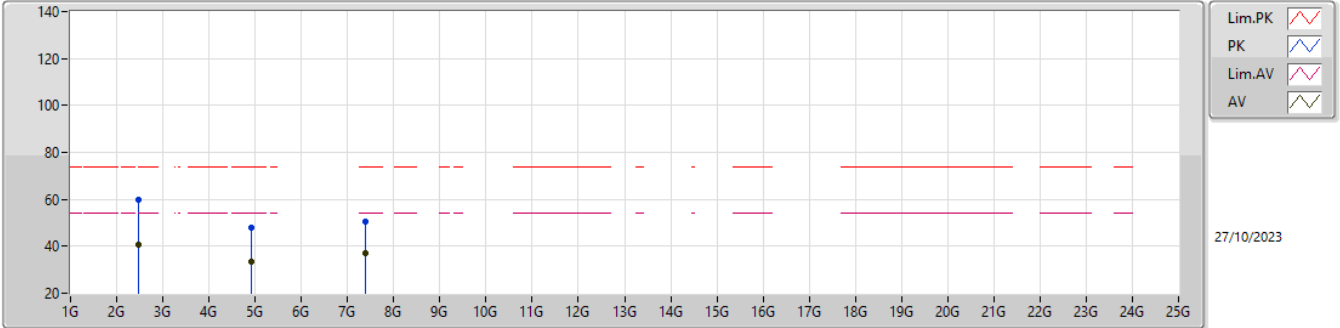
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4835G	66.91	74.00	-7.09	71.36	3	Vertical	238	1	-	27.50	5.06	37.01
AV	2.4835G	45.24	54.00	-8.76	49.69	3	Vertical	238	1	-	27.50	5.06	37.01
PK	4.924G	51.24	74.00	-22.76	51.43	3	Vertical	244	1.16	-	31.45	6.96	38.60
AV	4.924G	36.08	54.00	-17.92	36.27	3	Vertical	244	1.16	-	31.45	6.96	38.60
PK	7.386G	53.07	74.00	-20.93	47.74	3	Vertical	92	1	-	36.40	8.47	39.54
AV	7.386G	38.64	54.00	-15.36	33.31	3	Vertical	92	1	-	36.40	8.47	39.54

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4835G	59.91	74.00	-14.09	64.36	3	Horizontal	270	1.92	-	27.50	5.06	37.01
AV	2.4835G	40.94	54.00	-13.06	45.39	3	Horizontal	270	1.92	-	27.50	5.06	37.01
PK	4.924G	47.98	74.00	-26.02	48.17	3	Horizontal	120	1	-	31.45	6.96	38.60
AV	4.924G	33.36	54.00	-20.64	33.55	3	Horizontal	120	1	-	31.45	6.96	38.60
PK	7.386G	50.43	74.00	-23.57	45.10	3	Horizontal	103	1	-	36.40	8.47	39.54
AV	7.386G	37.19	54.00	-16.81	31.86	3	Horizontal	103	1	-	36.40	8.47	39.54

