FCC Test Report

FCC ID	:	**LDKIG31R**
Equipment	:	**Cisco Industrial Gateway**
Brand Name	:	**Cisco**
Model Name	:	**IG31R-VZ-B-K9, IG31R-NA-B-K9**
Applicant	:	**Cisco Systems, Inc. 125 West Tasman Dr. Bldg. P San Jose CA 95134 United States Of America**
Manufacturer	:	**Cisco Systems, Inc. 125 West Tasman Dr. Bldg. P San Jose CA 95134 United States Of America**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Nov. 18, 2020, and testing was started from Nov. 30, 2020 and completed on Dec. 10, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Allen Lin

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR0N1331AC	01	Initial issue of report	Jan. 11, 2021
FR0N1331AC	02	The section 1.1.1 was updated This report is the latest version replacing for the report issued on Jan. 11, 2021	Jan. 25, 2021

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Sam Tsai

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	PCTEL	W-ANTM-O-2-RPSMA	Omni	SMA	4
2	Laird	W-ANTM-I-2-RPSMA	Omni	SMA	4
3	Laird	W-ANTM2050D-RPSMA	Dipole	SMA	2

Note 1: The EUT has three antennas.

Note 2: Radio Radiated testing with 50 ohm terminator and listed above 3 antennas.

For 2.4GHz function:

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

1.1.3 EUT Information

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

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.963	0.16	2.03m	1k
802.11n HT20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20-BF	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.5 Table for Multiple Listing

Model Name	Description
IG31R-VZ-B-K9	All the models are identical, only contains difference LTE module for served as a marketing strategy.
IG31R-NA-B-K9	

1.2 Testing Applied Standards

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

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

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

- KDB 558074 D01 v05r02
- KDB 662911 D01 v02r01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	21.0~22.1°C / 56~59%	10/Dec/2020
RF Conducted	TH01-HY	Vivi Jiang	20.1~23.9°C / 53~60%	30/Nov/2020
Radiated	03CH02-HY	Daniel Lin	20.5~26.4°C / 54~65%	02/Dec/2020~ 05/Dec/2020

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	QRCT V3.0.265.0

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	14
2437MHz	13.5
2462MHz	13.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	13.5
2417MHz	15
2437MHz	18.5
2457MHz	15
2462MHz	13.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	12.5
2417MHz	14.5
2437MHz	19
2457MHz	15
2462MHz	13.5

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+3G
2	WLAN 2.4GHz+LTE
Refer to Sporton Test Report No.: FA0N1331 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

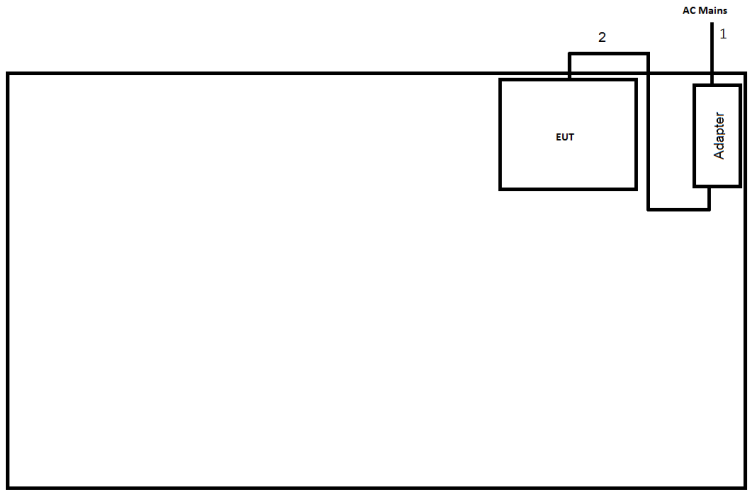
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Adapter	DELTA	ADP-30NR B	-	-

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Adapter	DELTA	ADP-30NR B	-	-

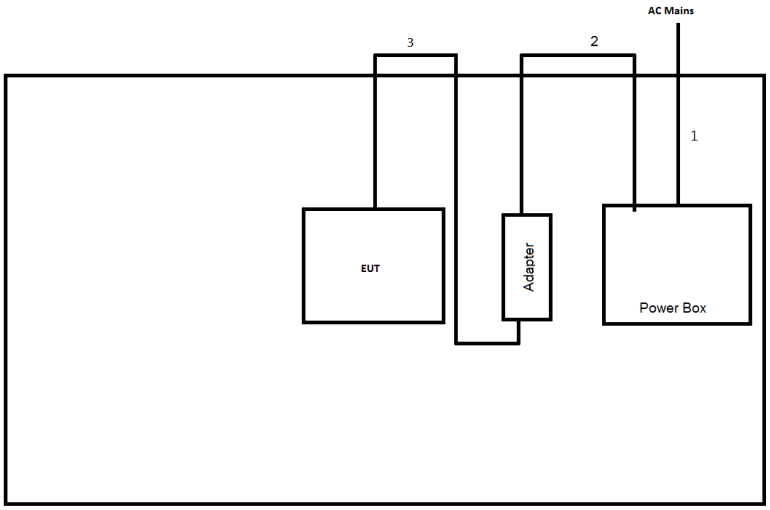
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.0	-
2	DC Power cable	No	2.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power cable	No	1.0	-
3	DC Power cable	No	2.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

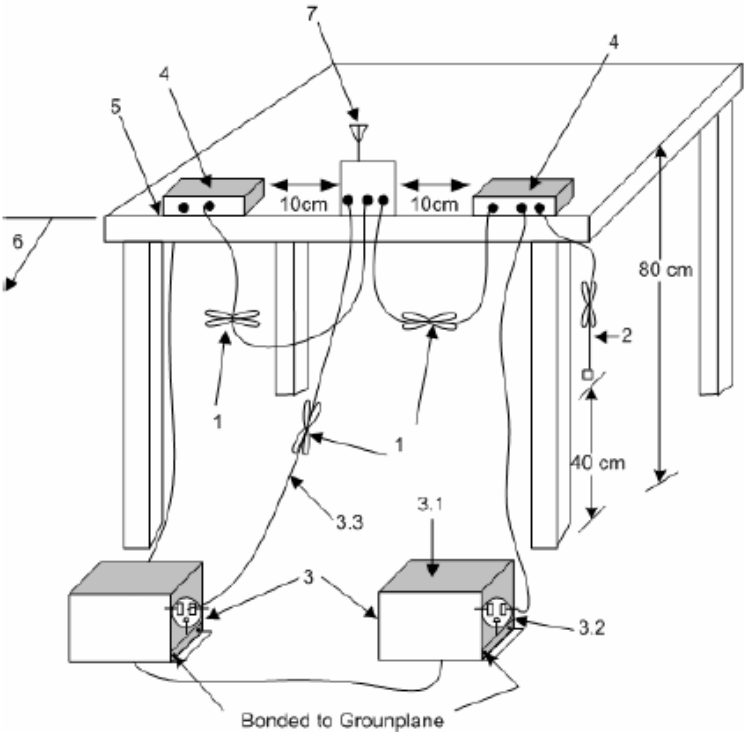
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

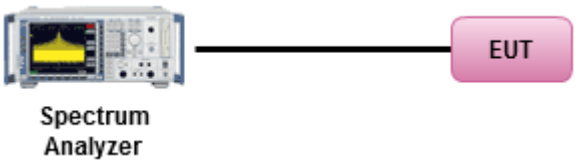
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
e.i.r.p. Power Limit:		
▪ 2400-2483.5 MHz Band		
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)	
	▪ Point-to-point systems (P2P): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

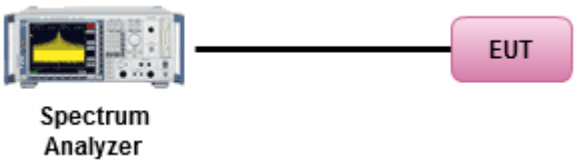
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dB)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

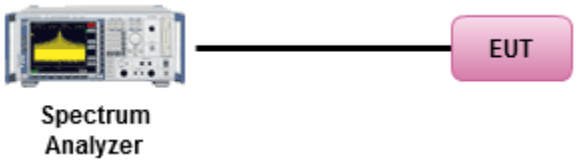
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

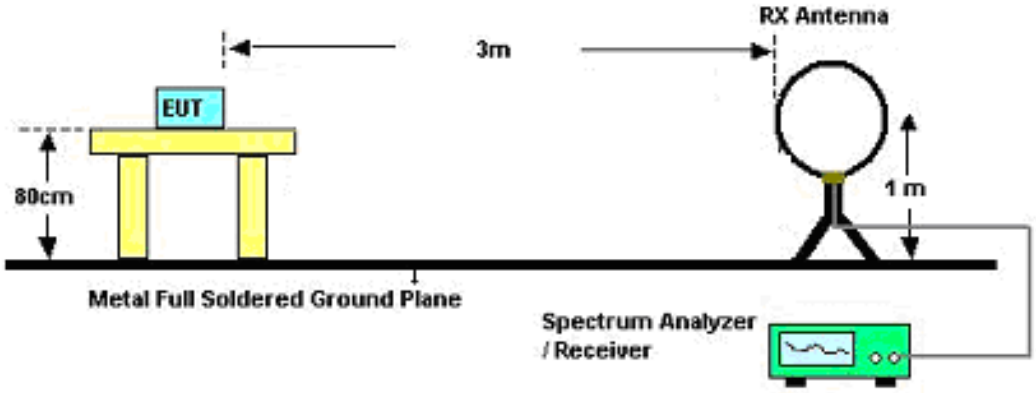
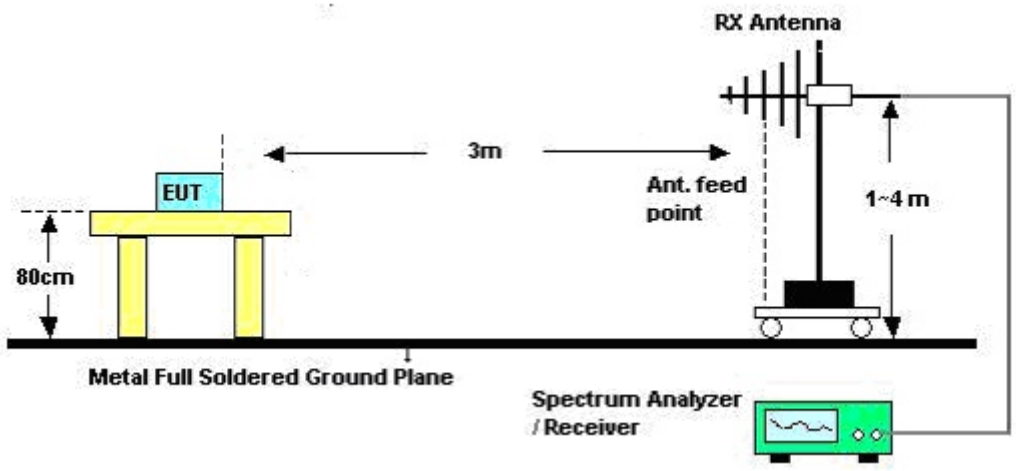
3.6.3 Test Procedures

Test Method
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪ For the transmitter unwanted emissions shall be measured using following options below:
▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪ For the transmitter band-edge emissions shall be measured using following options below:
▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪ Use the following spectrum analyzer settings:
▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪ Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.
▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 3 (12.7.4.2 of ANSI C63.10).
▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
▪ For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

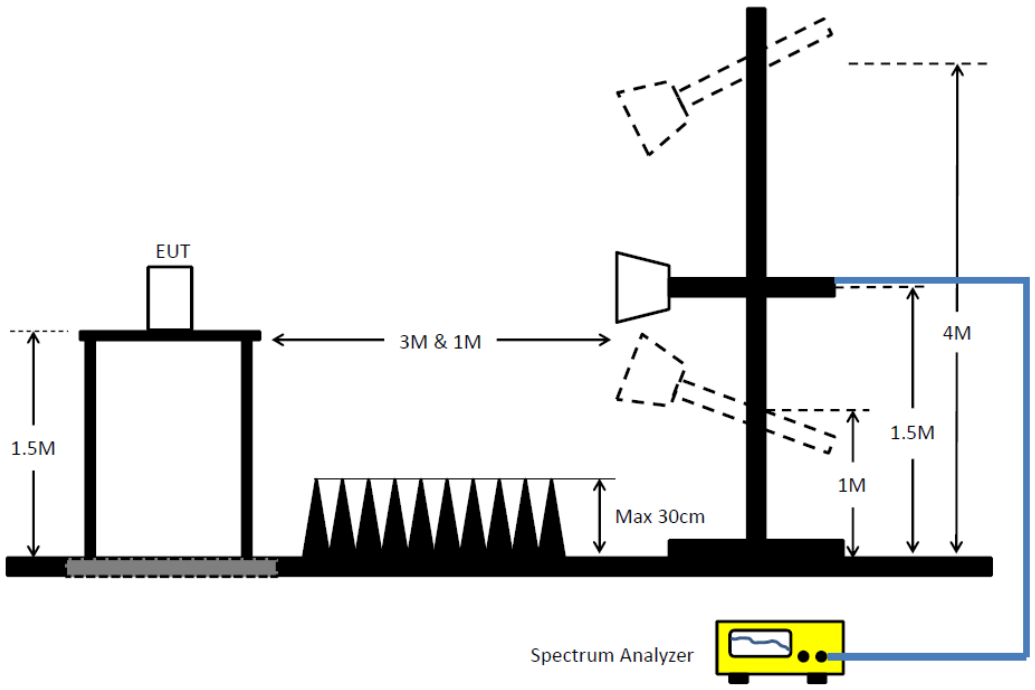
3.6.4 Measurement Results Calculation

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

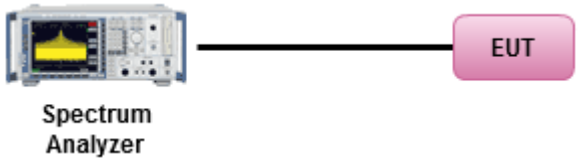
3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



Emissions in Restricted Frequency Bands (Spectrum Analyzer)



3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F(RSE) and Appendix G(CSE)

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2022
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Feb/2020	16/Feb/2021

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021

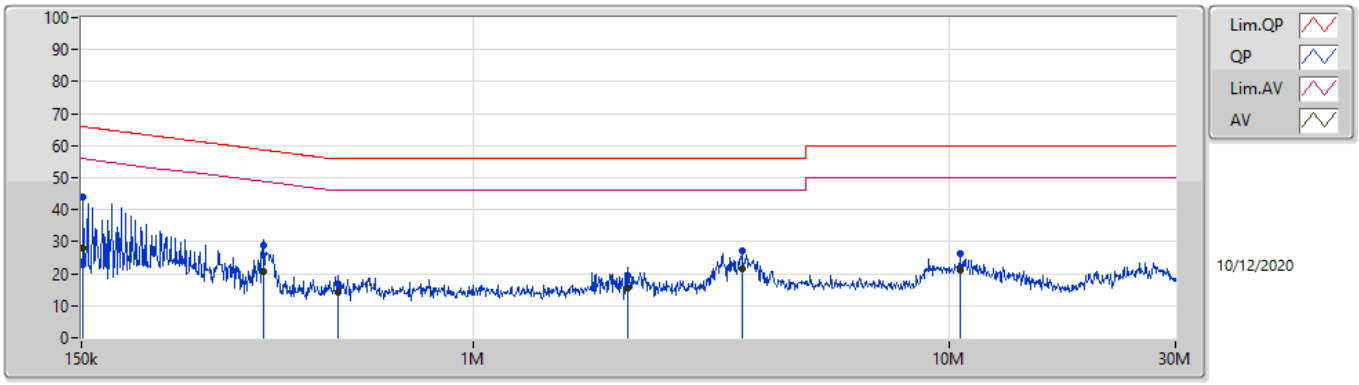
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.202k	43.95	65.92	-21.97	Line

Mode Configure

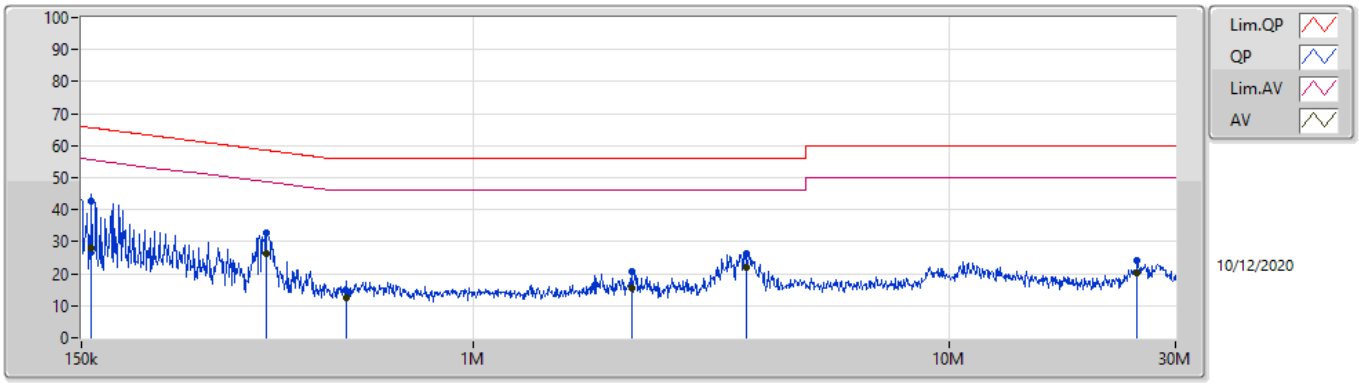
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	151.202k	43.95	65.92	-21.97	Line	"Worst"
Mode 1	Pass	AV	151.202k	28.04	55.92	-27.88	Line	-
Mode 1	Pass	QP	362.445k	29.02	58.68	-29.66	Line	-
Mode 1	Pass	AV	362.445k	20.63	48.68	-28.05	Line	-
Mode 1	Pass	QP	519.13k	16.74	56.00	-39.26	Line	-
Mode 1	Pass	AV	519.13k	14.10	46.00	-31.90	Line	-
Mode 1	Pass	QP	2.108M	19.58	56.00	-36.42	Line	-
Mode 1	Pass	AV	2.108M	15.38	46.00	-30.62	Line	-
Mode 1	Pass	QP	3.671M	26.96	56.00	-29.04	Line	-
Mode 1	Pass	AV	3.671M	21.76	46.00	-24.24	Line	-
Mode 1	Pass	QP	10.574M	26.20	60.00	-33.80	Line	-
Mode 1	Pass	AV	10.574M	21.04	50.00	-28.96	Line	-
Mode 1	Pass	QP	157.361k	42.82	65.60	-22.78	Neutral	-
Mode 1	Pass	AV	157.361k	27.86	55.60	-27.74	Neutral	-
Mode 1	Pass	QP	368.279k	32.81	58.54	-25.73	Neutral	-
Mode 1	Pass	AV	368.279k	26.16	48.54	-22.38	Neutral	"Worst"
Mode 1	Pass	QP	542.434k	14.48	56.00	-41.52	Neutral	-
Mode 1	Pass	AV	542.434k	12.58	46.00	-33.42	Neutral	-
Mode 1	Pass	QP	2.15M	20.74	56.00	-35.26	Neutral	-
Mode 1	Pass	AV	2.15M	15.68	46.00	-30.32	Neutral	-
Mode 1	Pass	QP	3.745M	26.49	56.00	-29.51	Neutral	-
Mode 1	Pass	AV	3.745M	22.18	46.00	-23.82	Neutral	-
Mode 1	Pass	QP	24.945M	24.08	60.00	-35.92	Neutral	-
Mode 1	Pass	AV	24.945M	20.31	50.00	-29.69	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.202k	43.95	65.92	-21.97	19.60	Line	"Worst"	24.35	9.69	0.01	9.90
AV	151.202k	28.04	55.92	-27.88	19.60	Line	-	8.44	9.69	0.01	9.90
QP	362.445k	29.02	58.68	-29.66	19.59	Line	-	9.43	9.67	0.02	9.90
AV	362.445k	20.63	48.68	-28.05	19.59	Line	-	1.04	9.67	0.02	9.90
QP	519.13k	16.74	56.00	-39.26	19.57	Line	-	-2.83	9.67	0.03	9.87
AV	519.13k	14.10	46.00	-31.90	19.57	Line	-	-5.47	9.67	0.03	9.87
QP	2.108M	19.58	56.00	-36.42	19.57	Line	-	0.01	9.68	0.08	9.81
AV	2.108M	15.38	46.00	-30.62	19.57	Line	-	-4.19	9.68	0.08	9.81
QP	3.671M	26.96	56.00	-29.04	19.70	Line	-	7.26	9.69	0.12	9.89
AV	3.671M	21.76	46.00	-24.24	19.70	Line	-	2.06	9.69	0.12	9.89
QP	10.574M	26.20	60.00	-33.80	19.84	Line	-	6.36	9.72	0.22	9.90
AV	10.574M	21.04	50.00	-28.96	19.84	Line	-	1.20	9.72	0.22	9.90

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	157.361k	42.82	65.60	-22.78	19.60	Neutral	-	23.22	9.69	0.01	9.90
AV	157.361k	27.86	55.60	-27.74	19.60	Neutral	-	8.26	9.69	0.01	9.90
QP	368.279k	32.81	58.54	-25.73	19.59	Neutral	-	13.22	9.67	0.02	9.90
AV	368.279k	26.16	48.54	-22.38	19.59	Neutral	"Worst"	6.57	9.67	0.02	9.90
QP	542.434k	14.48	56.00	-41.52	19.57	Neutral	-	-5.09	9.67	0.03	9.87
AV	542.434k	12.58	46.00	-33.42	19.57	Neutral	-	-6.99	9.67	0.03	9.87
QP	2.15M	20.74	56.00	-35.26	19.57	Neutral	-	1.17	9.68	0.08	9.81
AV	2.15M	15.68	46.00	-30.32	19.57	Neutral	-	-3.89	9.68	0.08	9.81
QP	3.745M	26.49	56.00	-29.51	19.70	Neutral	-	6.79	9.69	0.12	9.89
AV	3.745M	22.18	46.00	-23.82	19.70	Neutral	-	2.48	9.69	0.12	9.89
QP	24.945M	24.08	60.00	-35.92	19.97	Neutral	-	4.11	9.72	0.35	9.90
AV	24.945M	20.31	50.00	-29.69	19.97	Neutral	-	0.34	9.72	0.35	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.525M	12.774M	12M8G1D	7.975M	12.654M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.452M	16M5D1D	16.3M	16.372M
802.11n HT20_Nss1,(MCS0)_2TX	17.575M	17.671M	17M7D1D	17.525M	17.591M

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

Result

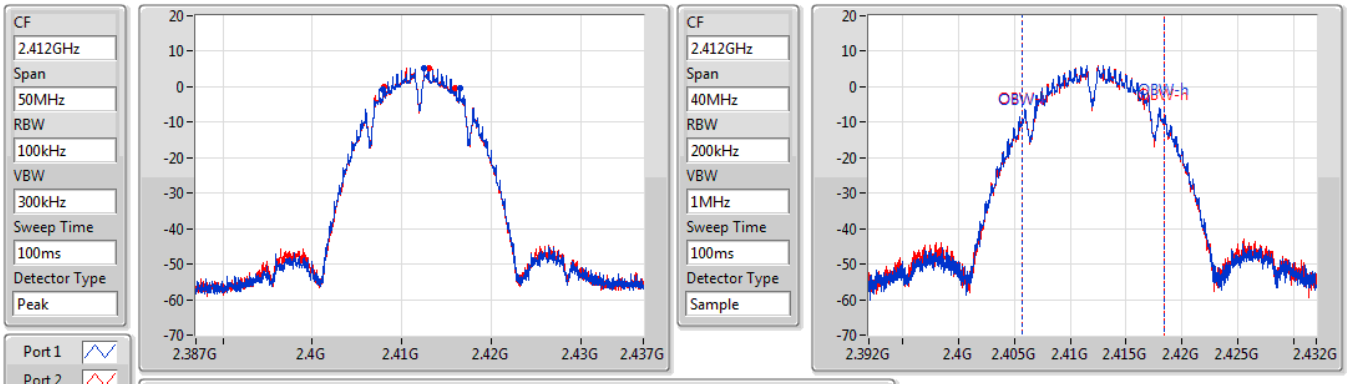
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.525M	12.774M	8M	12.734M
2437MHz	Pass	500k	8.05M	12.774M	8.05M	12.734M
2462MHz	Pass	500k	8.025M	12.654M	7.975M	12.694M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.432M	16.325M	16.392M
2437MHz	Pass	500k	16.325M	16.452M	16.325M	16.432M
2462MHz	Pass	500k	16.325M	16.372M	16.35M	16.392M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.611M	17.55M	17.631M
2437MHz	Pass	500k	17.55M	17.671M	17.575M	17.611M
2462MHz	Pass	500k	17.525M	17.611M	17.575M	17.591M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

30/11/2020

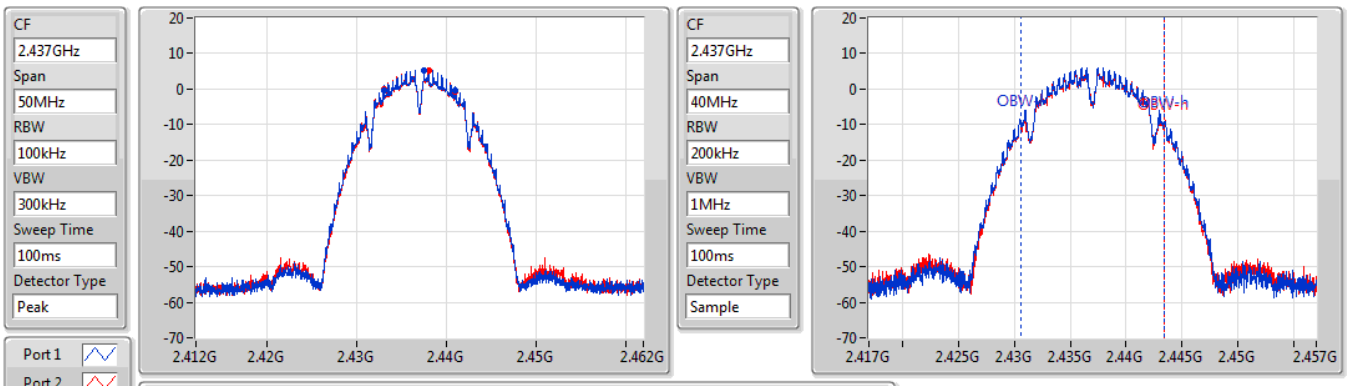


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.40795G	2.416475G	12.774M	2.405683G	2.418457G	500k	1
8M	2.408G	2.416G	12.734M	2.405683G	2.418417G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

30/11/2020

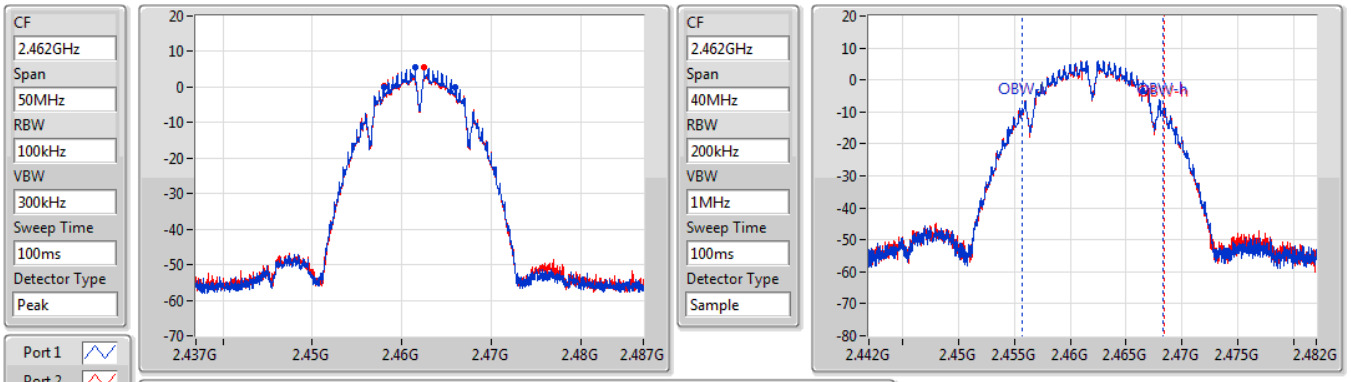


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432975G	2.441025G	12.774M	2.430583G	2.443357G	500k	1
8.05M	2.432975G	2.441025G	12.734M	2.430623G	2.443357G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

30/11/2020

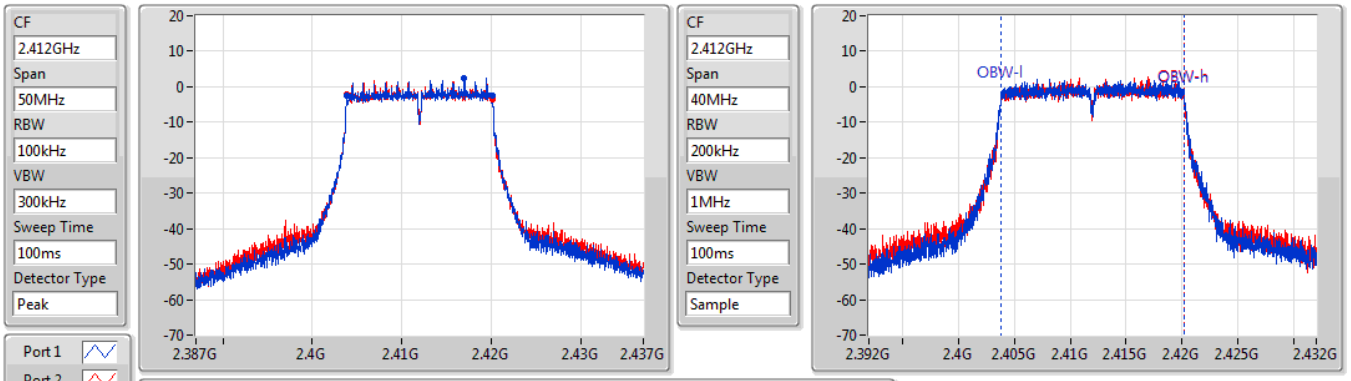


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.458G	2.466025G	12.654M	2.455683G	2.468337G	500k	1
7.975M	2.458G	2.465975G	12.694M	2.455663G	2.468357G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

30/11/2020

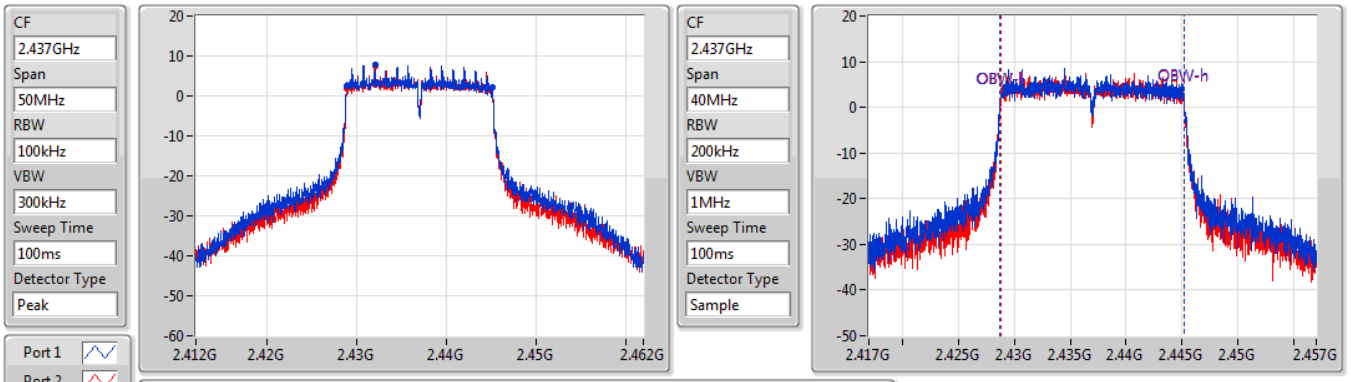


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.40385G	2.42015G	16.432M	2.403784G	2.420216G	500k	1
16.325M	2.40385G	2.420175G	16.392M	2.403804G	2.420196G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

30/11/2020

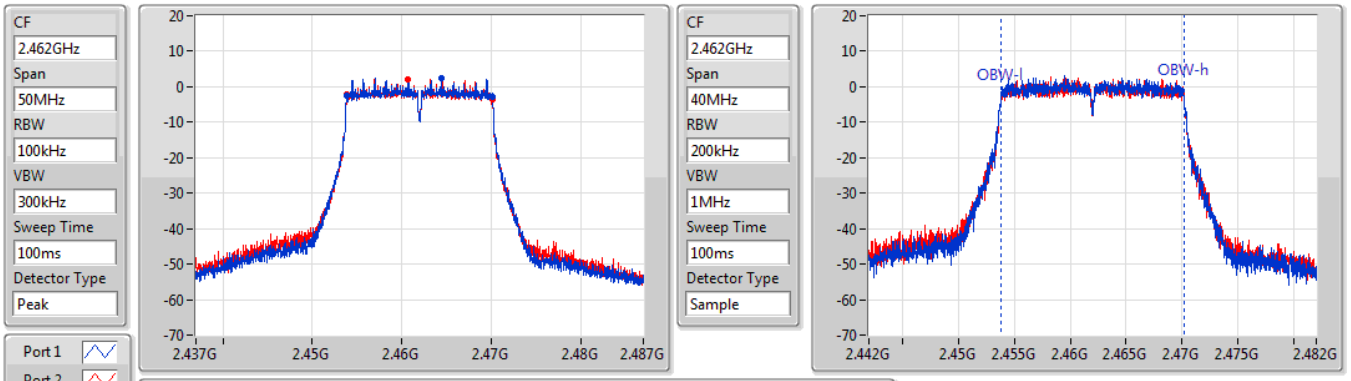


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.452M	2.428744G	2.445196G	500k	1
16.325M	2.428825G	2.44515G	16.432M	2.428764G	2.445196G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

30/11/2020

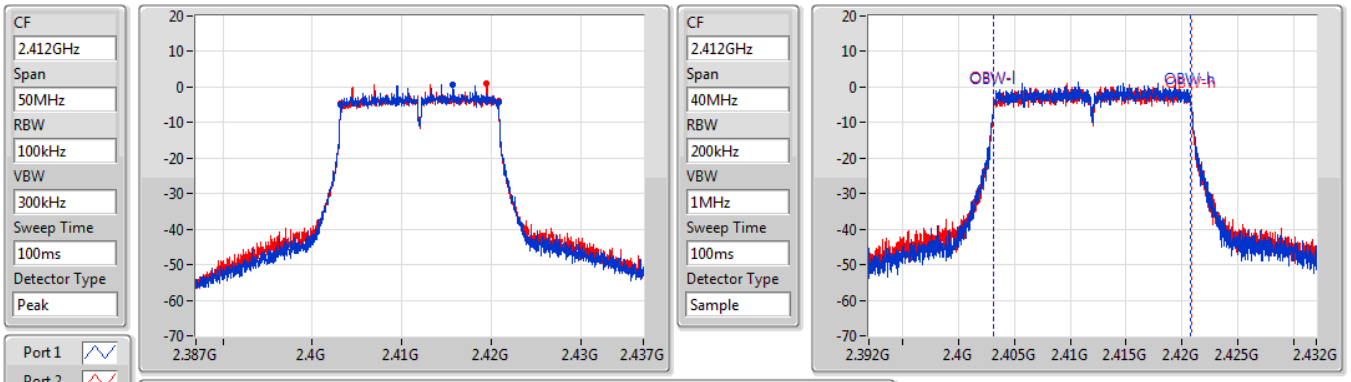


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.372M	2.453784G	2.470156G	500k	1
16.35M	2.453825G	2.470175G	16.392M	2.453784G	2.470176G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

30/11/2020

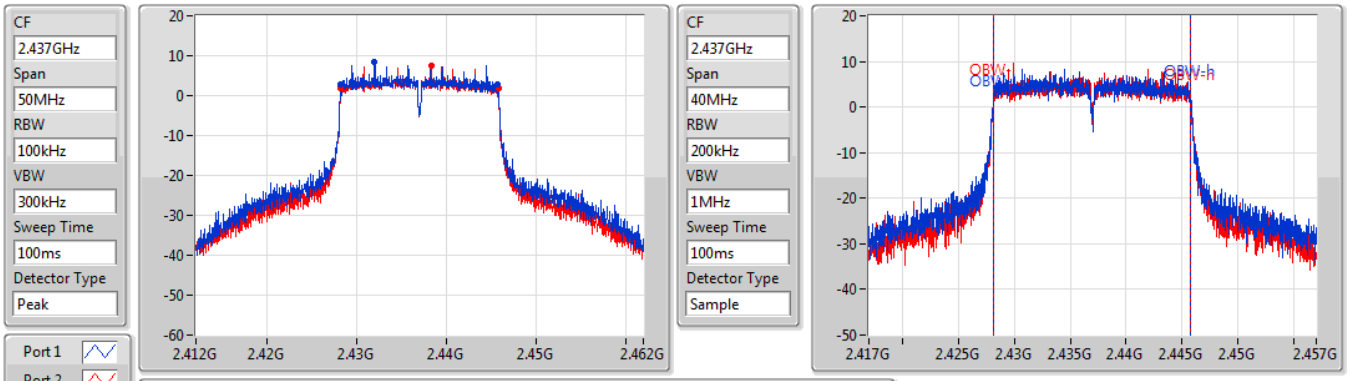


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4032G	2.420775G	17.611M	2.403184G	2.420796G	500k	1
17.55M	2.403225G	2.420775G	17.631M	2.403184G	2.420816G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

30/11/2020

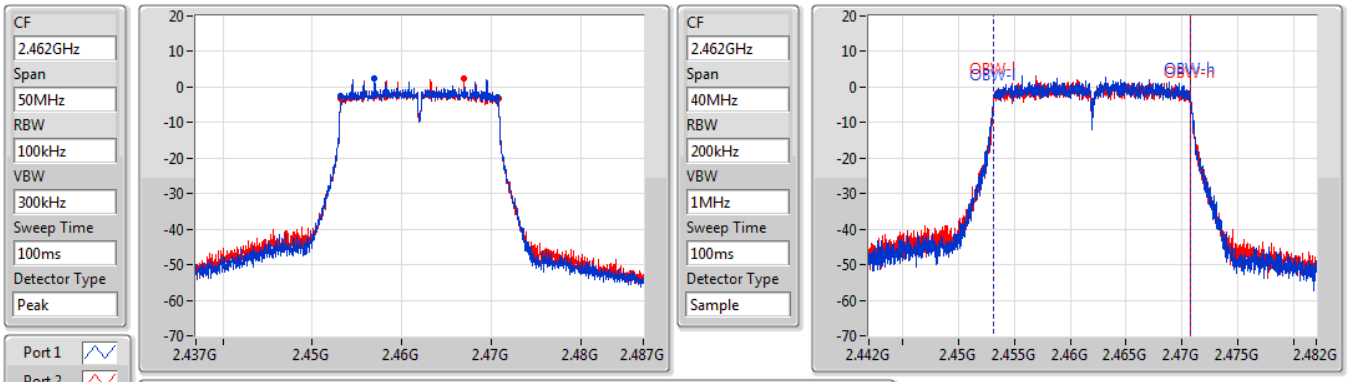


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4282G	2.44575G	17.671M	2.428124G	2.445796G	500k	1
17.575M	2.4282G	2.445775G	17.611M	2.428164G	2.445776G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

30/11/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.453225G	2.47075G	17.611M	2.453164G	2.470776G	500k	1
17.575M	2.4532G	2.470775G	17.591M	2.453184G	2.470776G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	17.06	0.05082
802.11g_Nss1,(6Mbps)_2TX	21.85	0.15311
802.11n HT20_Nss1,(MCS0)_2TX	22.20	0.16596

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	14.08	13.97	17.04	30.00
2437MHz	Pass	4.00	14.02	13.92	16.98	30.00
2462MHz	Pass	4.00	14.25	13.84	17.06	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	13.75	13.68	16.73	30.00
2417MHz	Pass	4.00	15.20	15.25	18.24	30.00
2437MHz	Pass	4.00	18.97	18.70	21.85	30.00
2457MHz	Pass	4.00	15.53	15.33	18.44	30.00
2462MHz	Pass	4.00	14.20	14.04	17.13	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.00	12.80	12.59	15.71	30.00
2417MHz	Pass	4.00	14.64	14.61	17.64	30.00
2437MHz	Pass	4.00	19.34	19.03	22.20	30.00
2457MHz	Pass	4.00	15.52	15.34	18.44	30.00
2462MHz	Pass	4.00	14.08	14.00	17.05	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11n HT20-BF_Nss1,(MCS0)_2TX	19.19	0.08299

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11n HT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	9.79	9.58	12.70	28.99
2417MHz	Pass	7.01	11.63	11.60	14.63	28.99
2437MHz	Pass	7.01	16.33	16.02	19.19	28.99
2457MHz	Pass	7.01	12.51	12.33	15.43	28.99
2462MHz	Pass	7.01	11.07	10.99	14.04	28.99

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-7.29
802.11g_Nss1,(6Mbps)_2TX	-4.82
802.11n HT20_Nss1,(MCS0)_2TX	-4.96

RBW = 3kHz;

Result

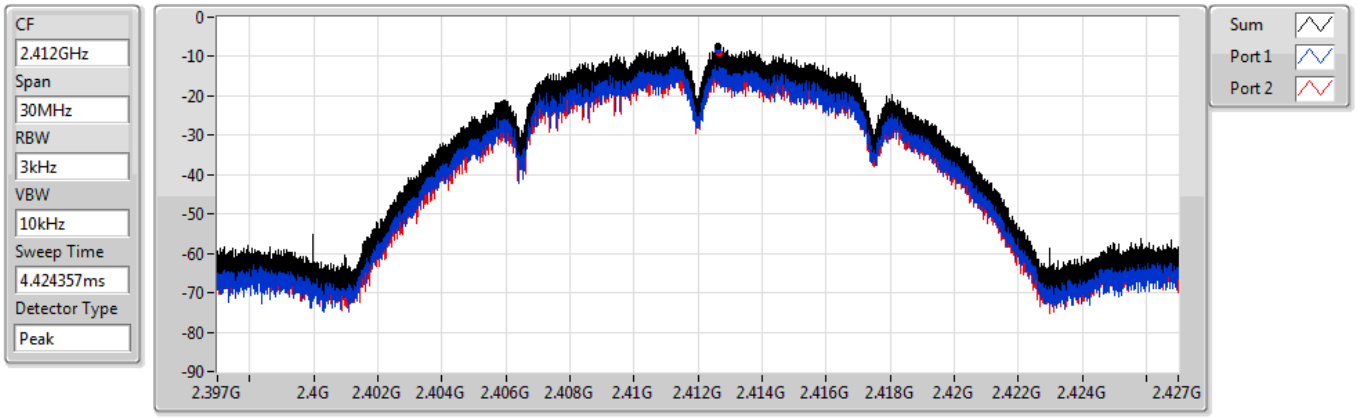
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-8.31	-9.29	-7.29	6.99
2437MHz	Pass	7.01	-8.58	-8.82	-7.50	6.99
2462MHz	Pass	7.01	-9.44	-8.71	-7.31	6.99
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-12.45	-11.44	-10.24	6.99
2437MHz	Pass	7.01	-7.09	-5.97	-4.82	6.99
2462MHz	Pass	7.01	-11.70	-11.41	-9.89	6.99
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.01	-13.32	-13.28	-11.35	6.99
2437MHz	Pass	7.01	-6.48	-6.74	-4.96	6.99
2462MHz	Pass	7.01	-11.88	-12.03	-10.30	6.99

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

802.11b_Nss1,(1Mbps)_2TX PSD

2412MHz

30/11/2020

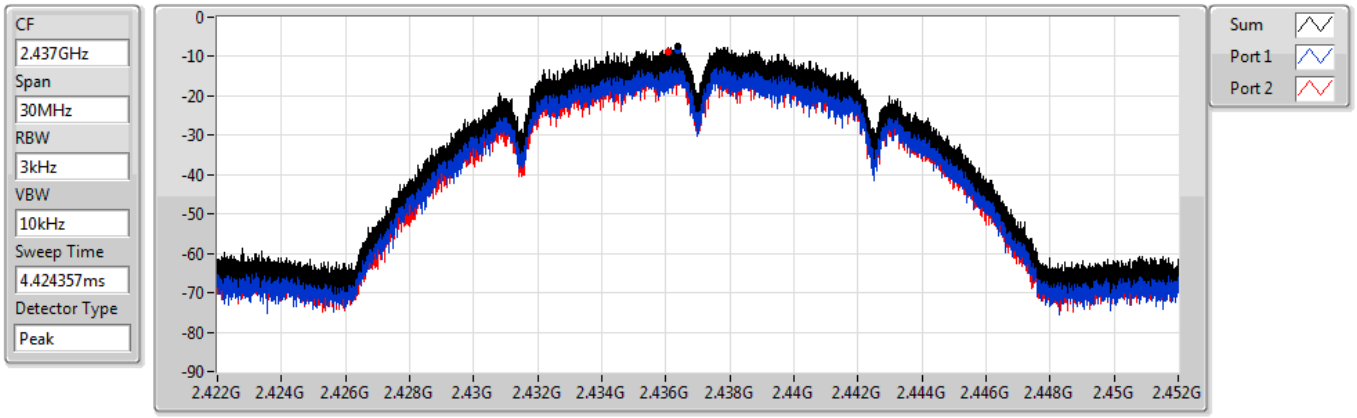


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.29	-7.29	-8.31	-9.29

802.11b_Nss1,(1Mbps)_2TX PSD

2437MHz

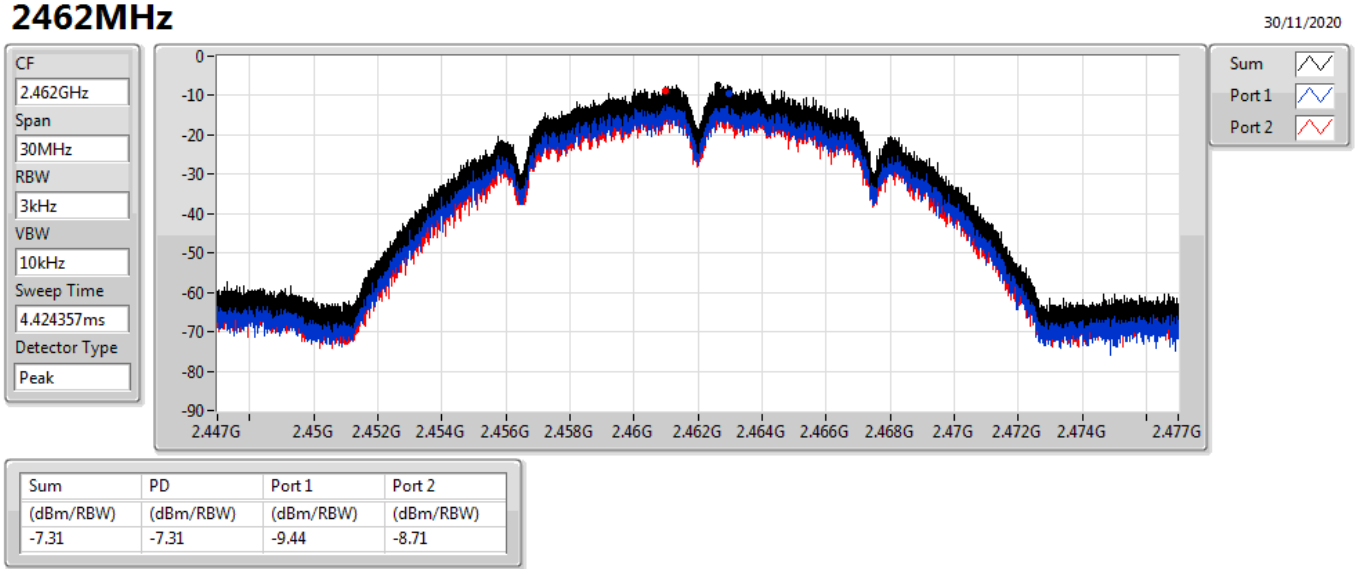
30/11/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.50	-7.50	-8.58	-8.82

802.11b_Nss1,(1Mbps)_2TX PSD

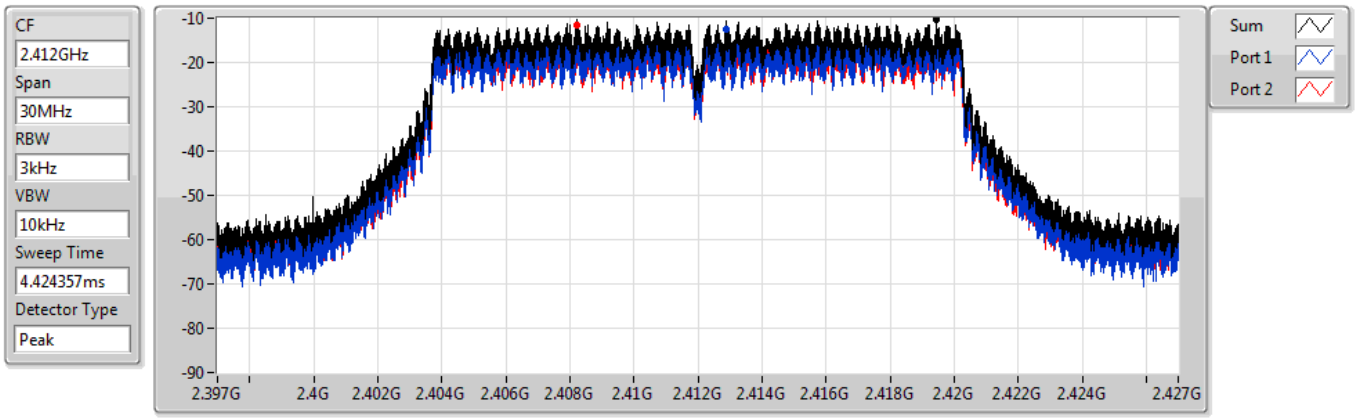
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.31	-7.31	-9.44	-8.71

802.11g_Nss1,(6Mbps)_2TX PSD

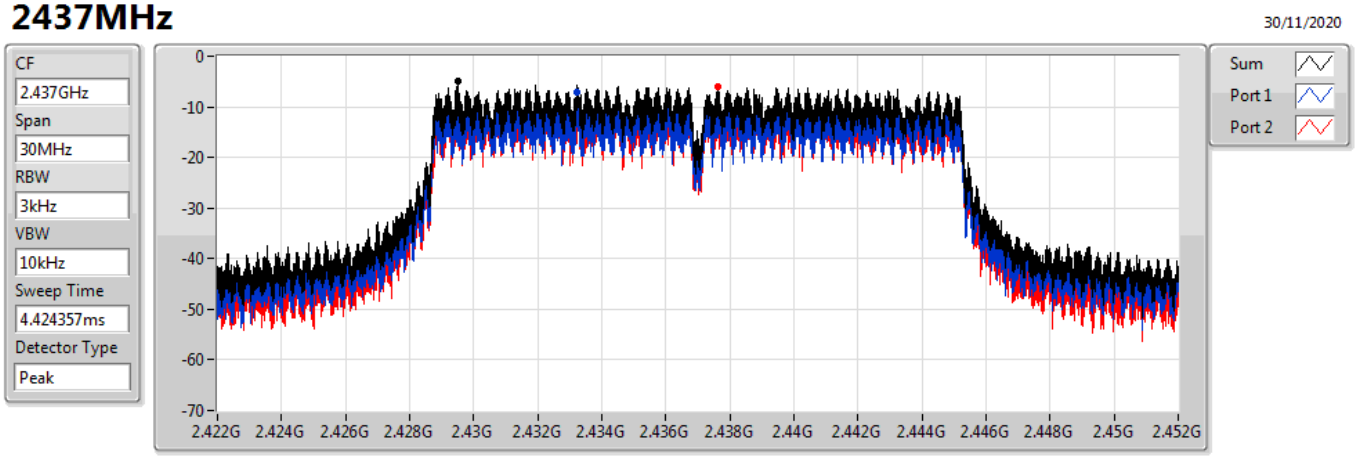
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.24	-10.24	-12.45	-11.44

802.11g_Nss1,(6Mbps)_2TX PSD

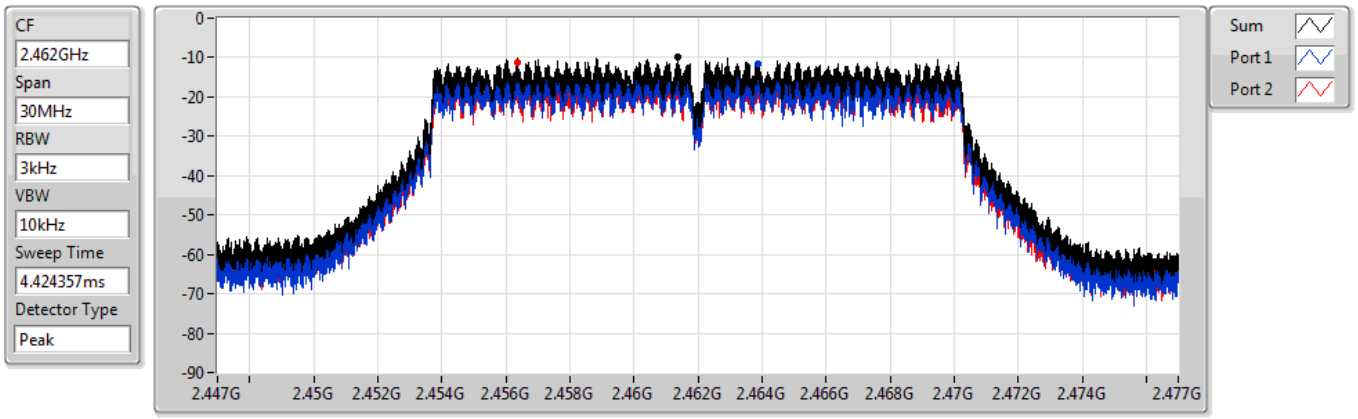
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.82	-4.82	-7.09	-5.97

802.11g_Nss1,(6Mbps)_2TX PSD

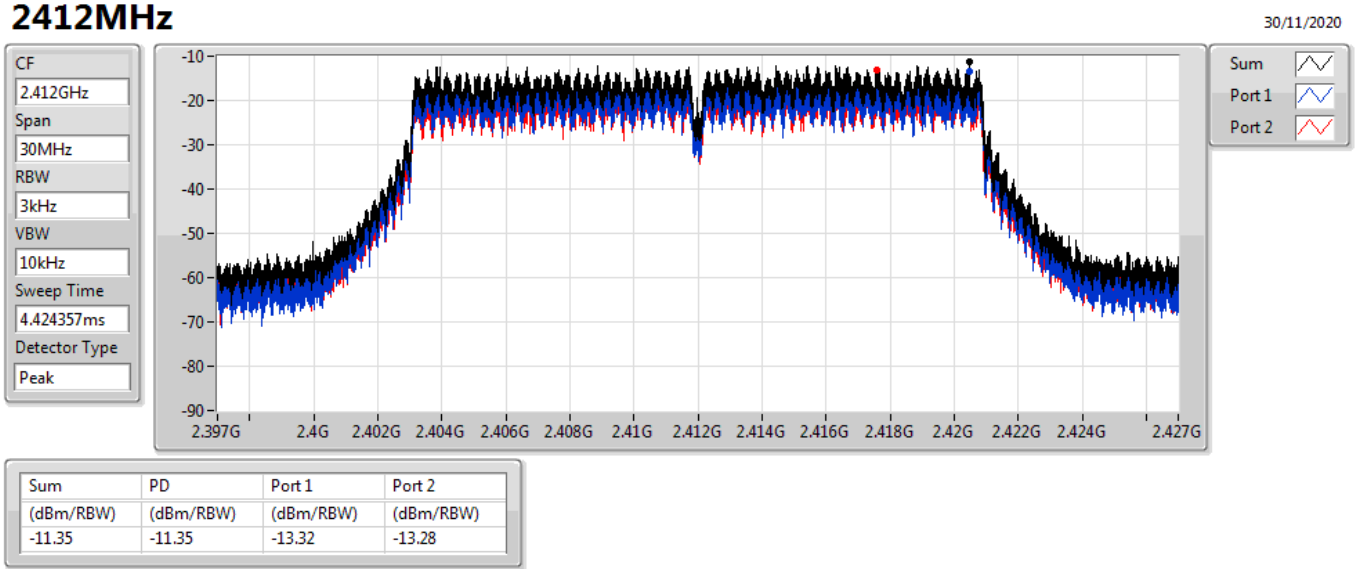
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.89	-9.89	-11.70	-11.41

802.11n HT20_Nss1,(MCS0)_2TX PSD

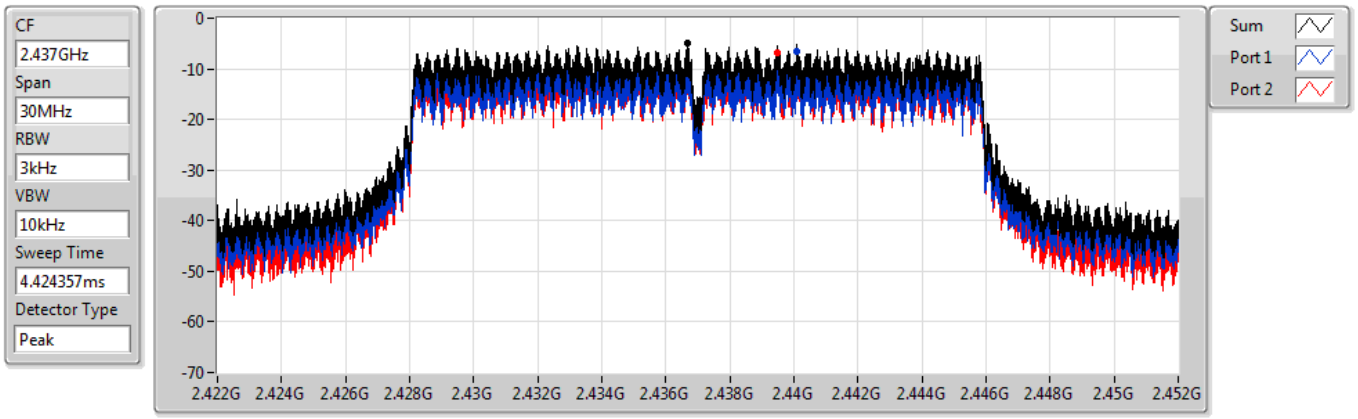
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.35	-11.35	-13.32	-13.28

802.11n HT20_Nss1,(MCS0)_2TX PSD

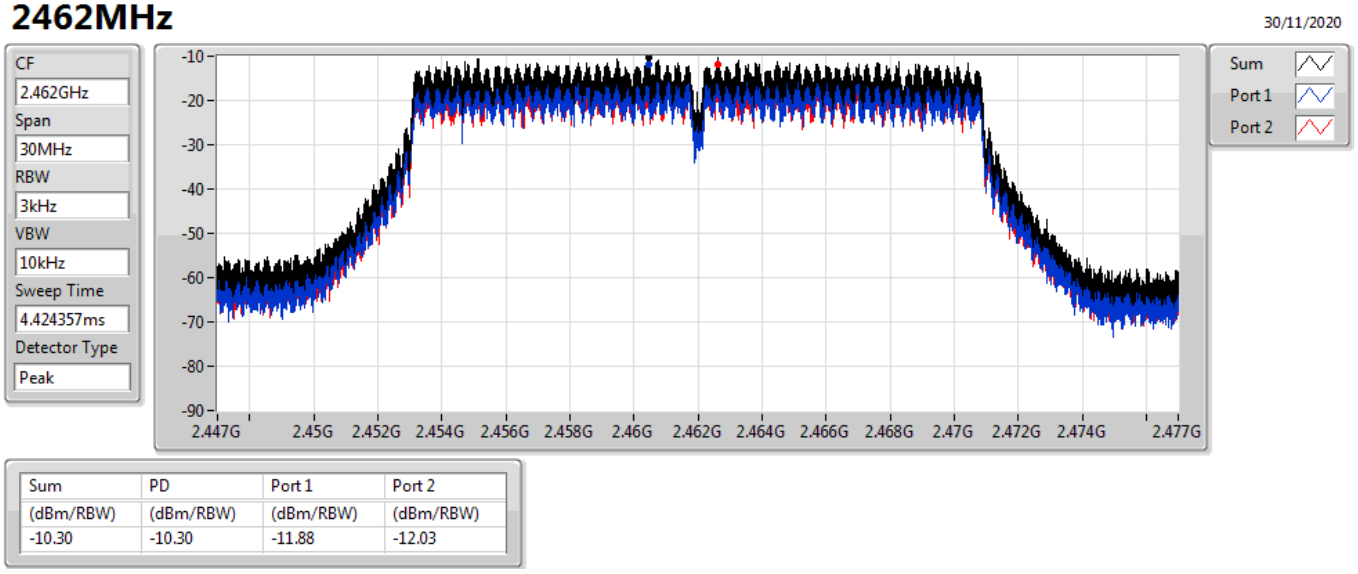
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.96	-4.96	-6.48	-6.74

802.11n HT20_Nss1,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.30	-10.30	-11.88	-12.03

Summary

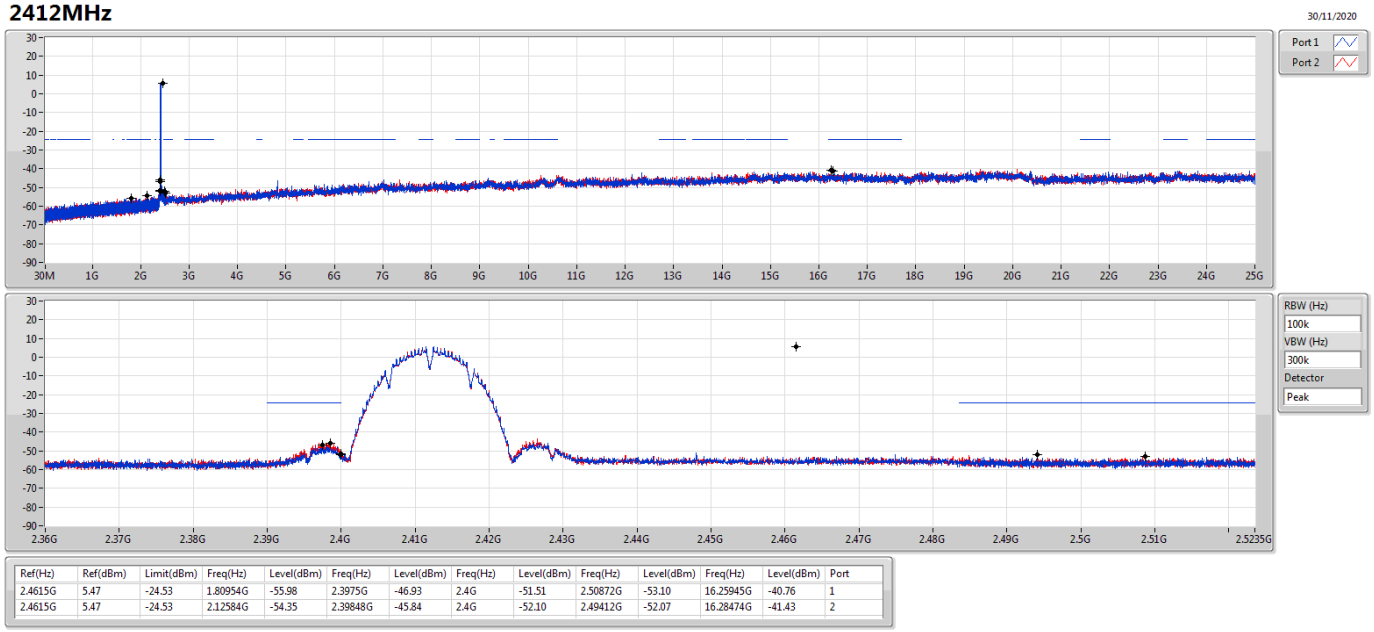
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.4615G	5.47	-24.53	2.12584G	-54.35	2.39848G	-45.84	2.4G	-52.10	2.49412G	-52.07	16.28474G	-41.43	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43198G	7.59	-22.41	2.12525G	-55.13	2.3999G	-39.04	2.4G	-39.52	2.48882G	-53.29	23.40136G	-41.54	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.43574G	8.14	-21.86	2.13603G	-55.33	2.39826G	-39.69	2.4G	-40.56	2.49246G	-53.59	24.69376G	-40.99	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4615G	5.47	-24.53	1.80954G	-55.98	2.3975G	-46.93	2.4G	-51.51	2.50872G	-53.10	16.25945G	-40.76	1
2412MHz	Pass	2.4615G	5.47	-24.53	2.12584G	-54.35	2.39848G	-45.84	2.4G	-52.10	2.49412G	-52.07	16.28474G	-41.43	2
2437MHz	Pass	2.4615G	5.47	-24.53	2.12962G	-54.57	2.39406G	-54.15	2.4G	-52.30	2.51598G	-52.46	17.65018G	-41.48	1
2437MHz	Pass	2.4615G	5.47	-24.53	1.97963G	-55.29	2.39854G	-53.09	2.4835G	-53.38	2.49962G	-53.08	21.78305G	-41.11	2
2462MHz	Pass	2.4615G	5.47	-24.53	2.14215G	-54.35	2.39526G	-54.11	2.4G	-55.03	2.48902G	-52.60	14.63552G	-40.99	1
2462MHz	Pass	2.4615G	5.47	-24.53	2.11535G	-55.09	2.39568G	-54.26	2.4G	-55.93	2.50336G	-53.07	24.83143G	-40.46	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	7.59	-22.41	2.16253G	-55.76	2.39886G	-41.11	2.4G	-43.69	2.49826G	-53.13	14.70857G	-40.67	1
2412MHz	Pass	2.43198G	7.59	-22.41	2.12525G	-55.13	2.3999G	-39.04	2.4G	-39.52	2.48882G	-53.29	23.40136G	-41.54	2
2437MHz	Pass	2.43198G	7.59	-22.41	2.09613G	-54.83	2.39998G	-46.38	2.4G	-46.63	2.4851G	-52.11	24.77243G	-40.59	1
2437MHz	Pass	2.43198G	7.59	-22.41	2.00468G	-55.45	2.39992G	-49.33	2.4G	-49.99	2.48662G	-51.94	16.55165G	-41.41	2
2462MHz	Pass	2.43198G	7.59	-22.41	2.11826G	-55.38	2.4G	-48.96	2.4G	-48.76	2.48354G	-51.80	16.60222G	-41.16	1
2462MHz	Pass	2.43198G	7.59	-22.41	2.10632G	-54.71	2.39608G	-53.38	2.4835G	-49.99	2.4846G	-49.84	16.41679G	-40.87	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	8.14	-21.86	2.16166G	-55.39	2.39986G	-40.63	2.4G	-41.66	2.51972G	-53.43	23.45474G	-40.78	1
2412MHz	Pass	2.43574G	8.14	-21.86	2.13603G	-55.33	2.39826G	-39.69	2.4G	-40.56	2.49246G	-53.59	24.69376G	-40.99	2
2437MHz	Pass	2.43574G	8.14	-21.86	2.13545G	-54.74	2.4G	-45.53	2.4G	-45.99	2.48412G	-51.07	24.5308G	-40.54	1
2437MHz	Pass	2.43574G	8.14	-21.86	2.12496G	-55.20	2.39954G	-46.20	2.4G	-48.62	2.48704G	-51.91	23.16536G	-40.97	2
2462MHz	Pass	2.43574G	8.14	-21.86	2.02273G	-55.09	2.4G	-49.20	2.4G	-49.29	2.4836G	-51.15	16.26507G	-41.13	1
2462MHz	Pass	2.43574G	8.14	-21.86	2.1637G	-53.64	2.4G	-53.37	2.4835G	-50.57	2.48514G	-47.83	24.53642G	-41.38	2

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

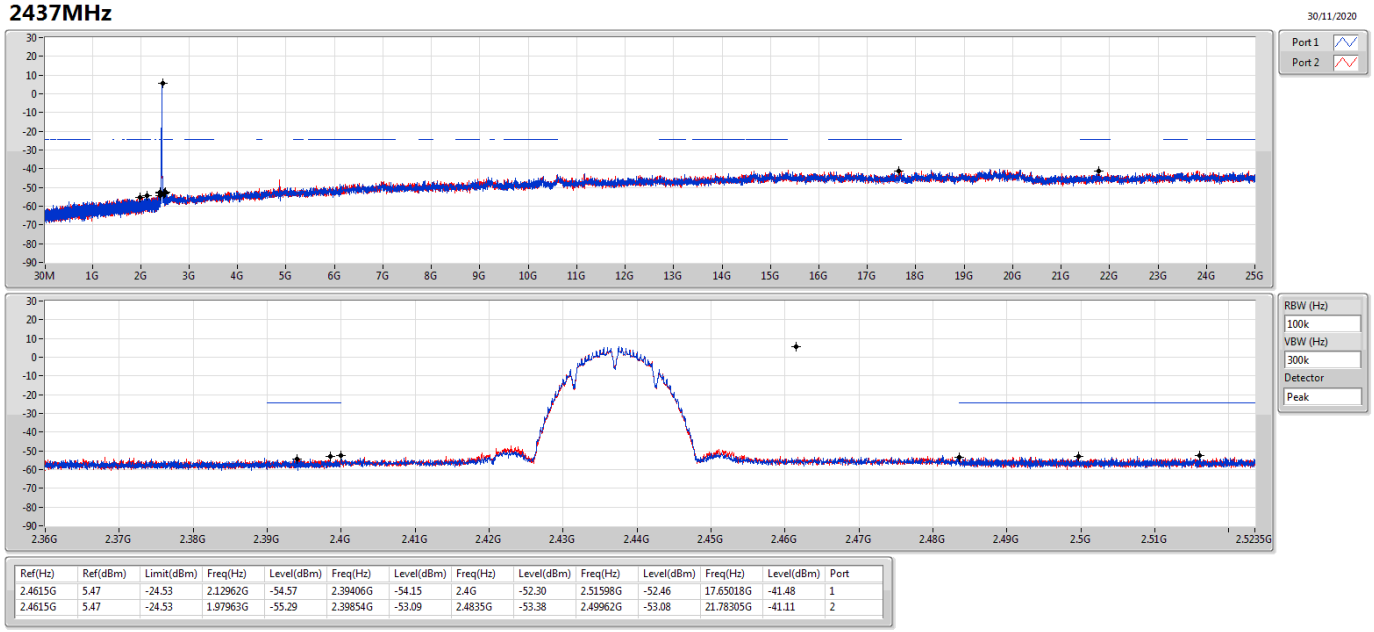
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4615G	5.47	-24.53	1.80954G	-55.98	2.3975G	-46.93	2.4G	-51.51	2.50872G	-53.10	16.25945G	-40.76	1
2.4615G	5.47	-24.53	2.12584G	-54.35	2.39848G	-45.84	2.4G	-52.10	2.49412G	-52.07	16.28474G	-41.43	2

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

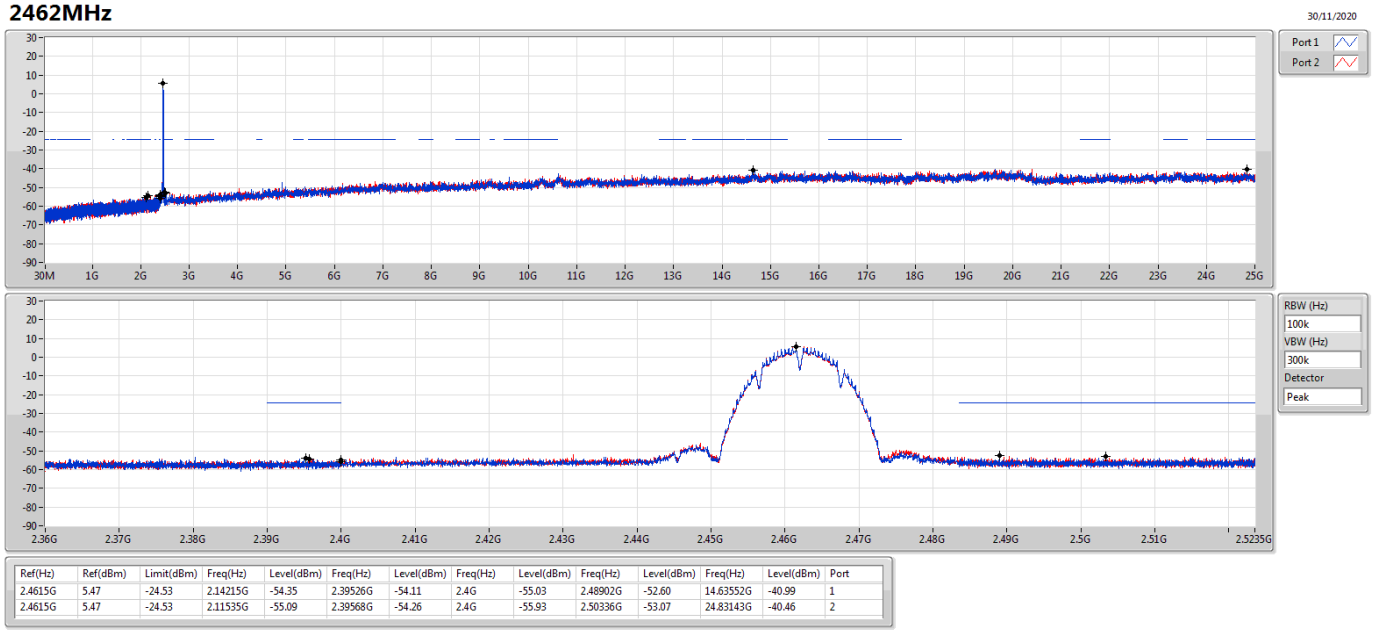
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4615G	5.47	-24.53	2.12962G	-54.57	2.39406G	-54.15	2.4G	-52.30	2.51598G	-52.46	17.65018G	-41.48	1
2.4615G	5.47	-24.53	1.97963G	-55.29	2.39854G	-53.09	2.4835G	-53.38	2.49962G	-53.08	21.78305G	-41.11	2

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

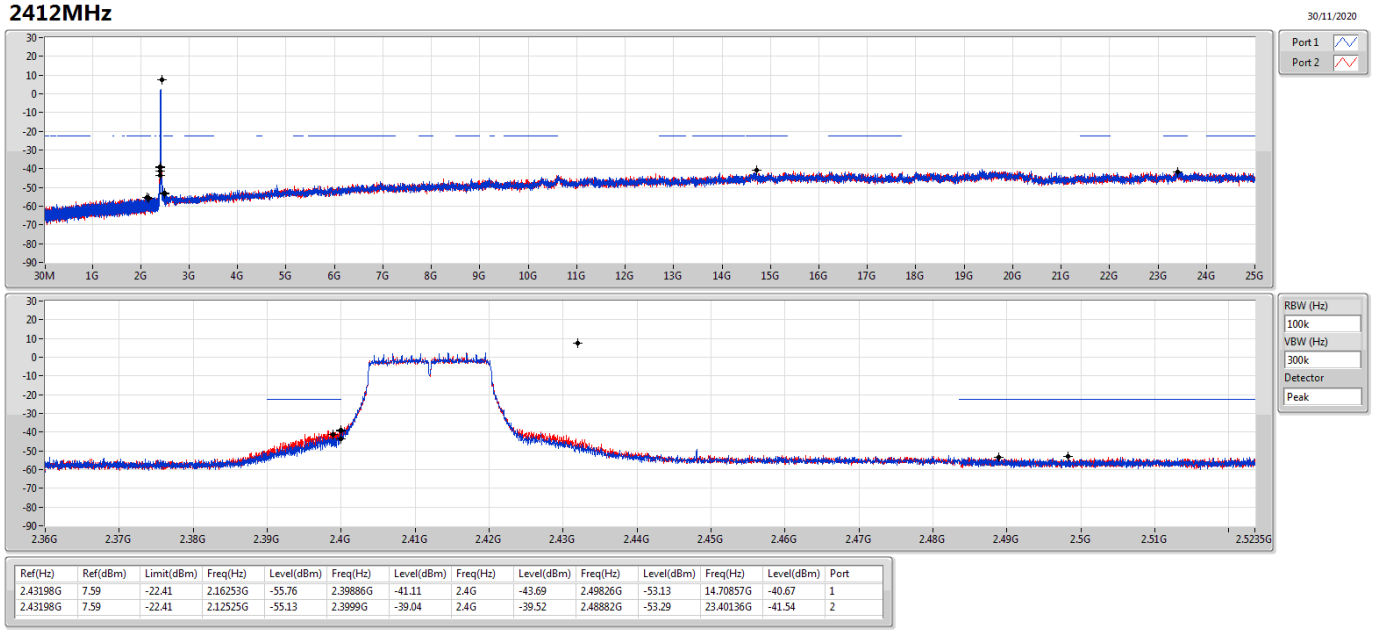
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4615G	5.47	-24.53	2.14215G	-54.35	2.39526G	-54.11	2.4G	-55.03	2.48902G	-52.60	14.63552G	-40.99	1
2.4615G	5.47	-24.53	2.11535G	-55.09	2.39568G	-54.26	2.4G	-55.93	2.50336G	-53.07	24.83143G	-40.46	2

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

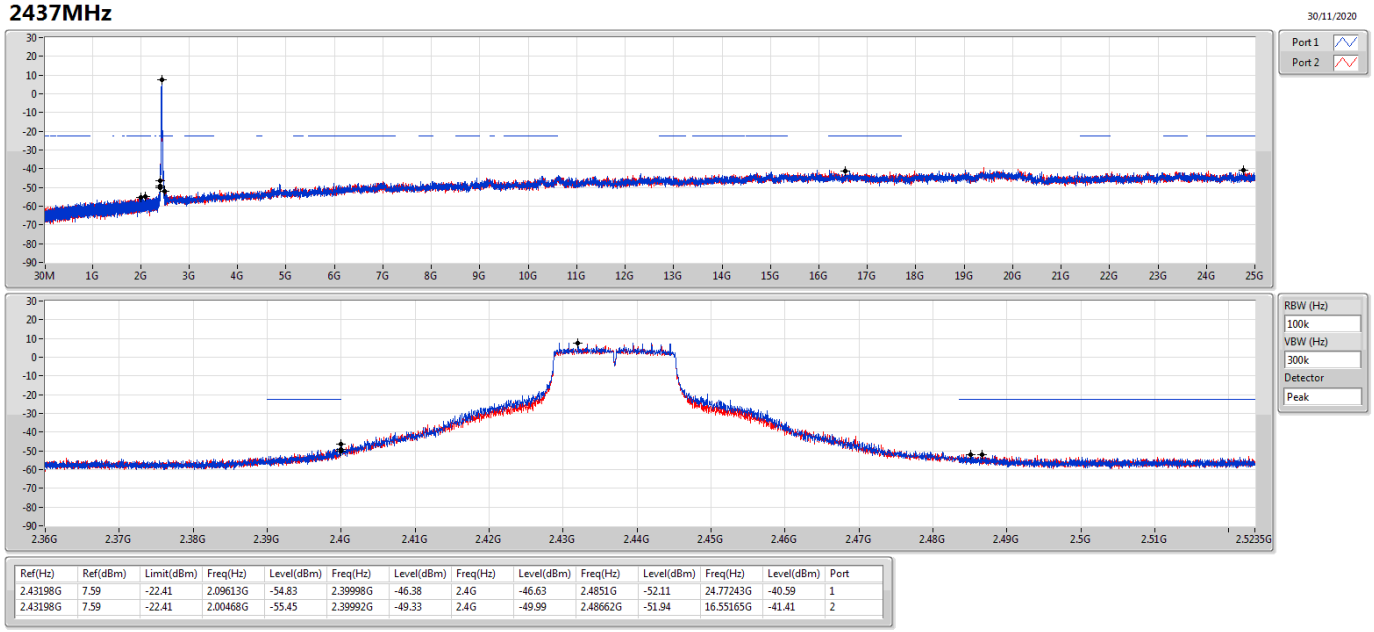
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.59	-22.41	2.16253G	-55.76	2.39886G	-41.11	2.4G	-43.69	2.49826G	-53.13	14.70857G	-40.67	1
2.43198G	7.59	-22.41	2.12525G	-55.13	2.3999G	-39.04	2.4G	-39.52	2.48882G	-53.29	23.40136G	-41.54	2

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

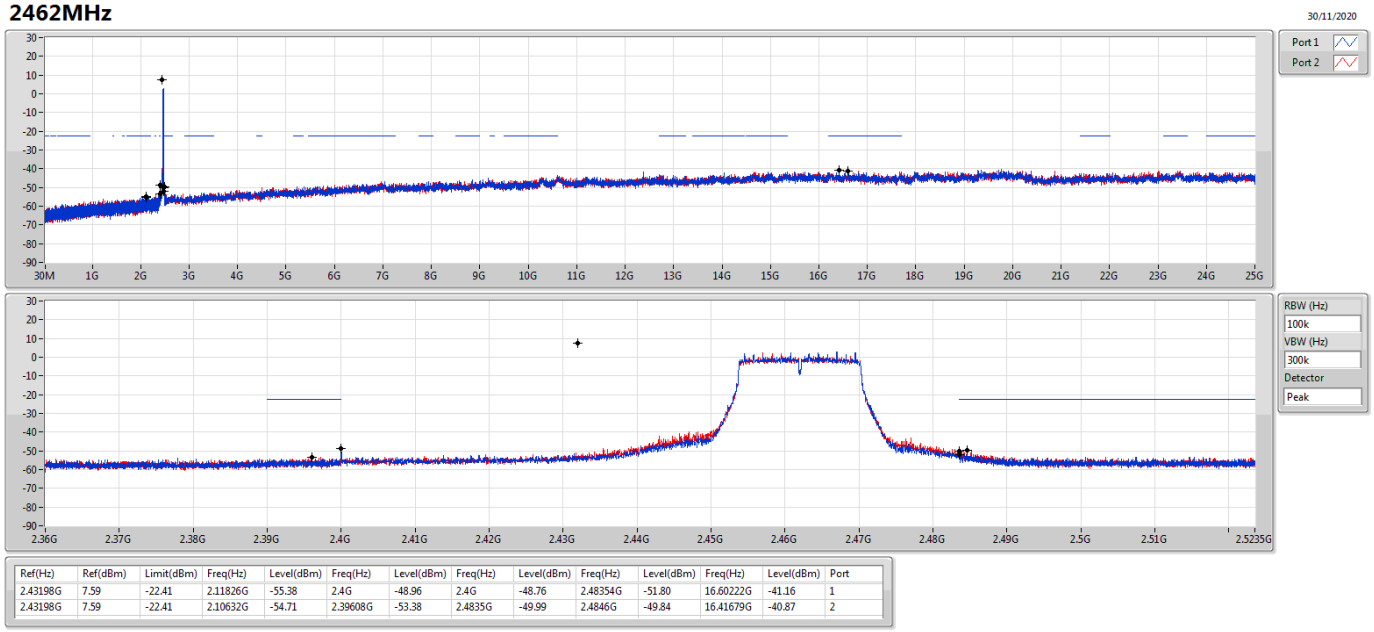
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.59	-22.41	2.09613G	-54.83	2.39998G	-46.38	2.4G	-46.63	2.4851G	-52.11	24.77243G	-40.59	1
2.43198G	7.59	-22.41	2.00468G	-55.45	2.39992G	-49.33	2.4G	-49.99	2.48662G	-51.94	16.55165G	-41.41	2

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

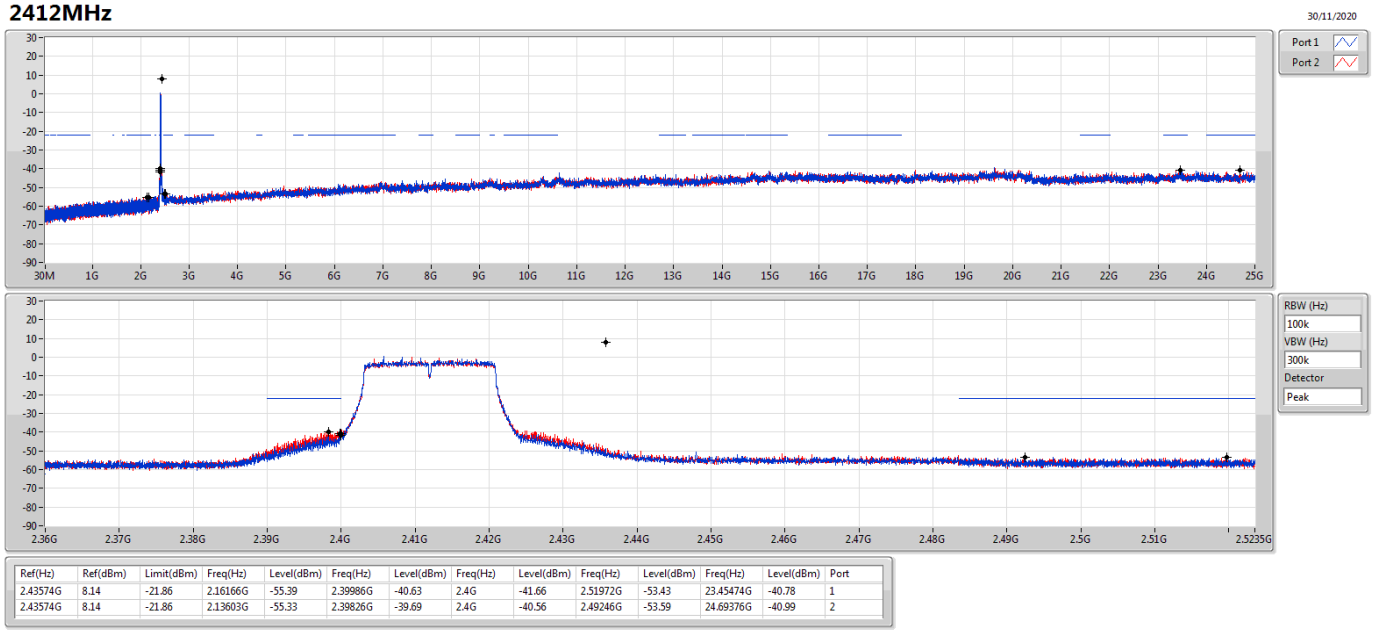
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	7.59	-22.41	2.11826G	-55.38	2.4G	-48.96	2.4G	-48.76	2.48354G	-51.80	16.60222G	-41.16	1
2.43198G	7.59	-22.41	2.10632G	-54.71	2.39608G	-53.38	2.4835G	-49.99	2.4846G	-49.84	16.41679G	-40.87	2

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

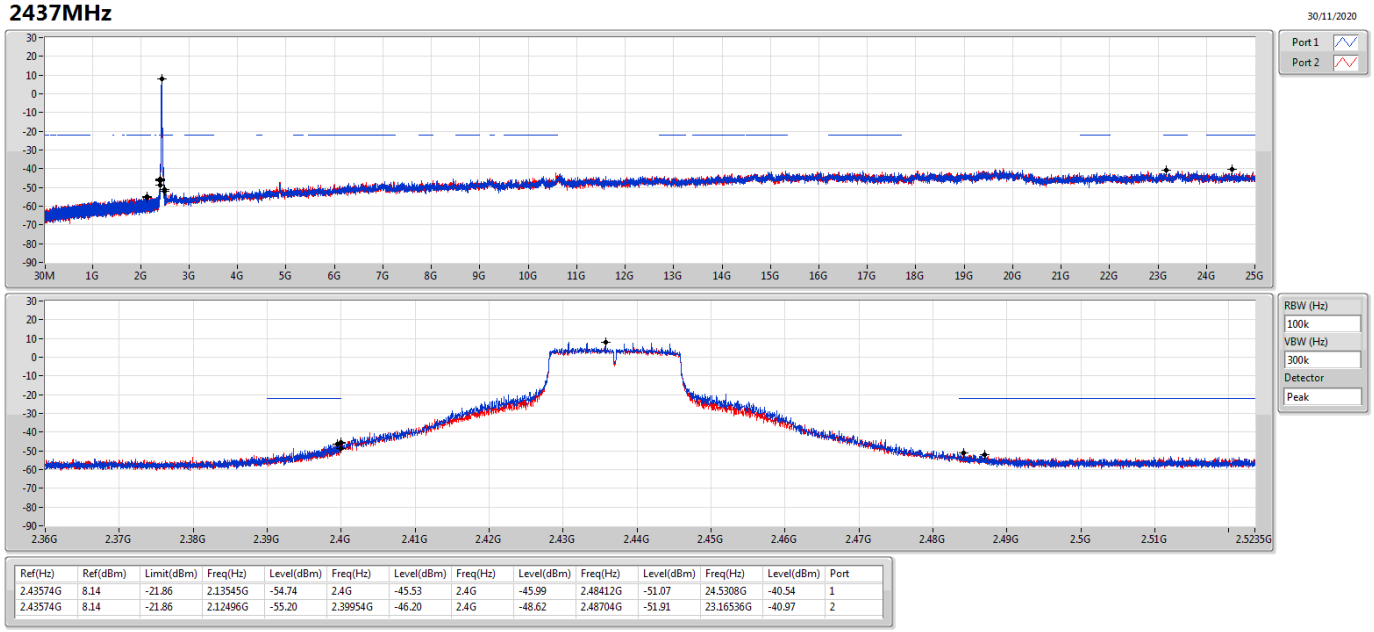
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	8.14	-21.86	2.16166G	-55.39	2.39986G	-40.63	2.4G	-41.66	2.51972G	-53.43	23.45474G	-40.78	1
2.43574G	8.14	-21.86	2.13603G	-55.33	2.39826G	-39.69	2.4G	-40.56	2.49246G	-53.59	24.69376G	-40.99	2

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

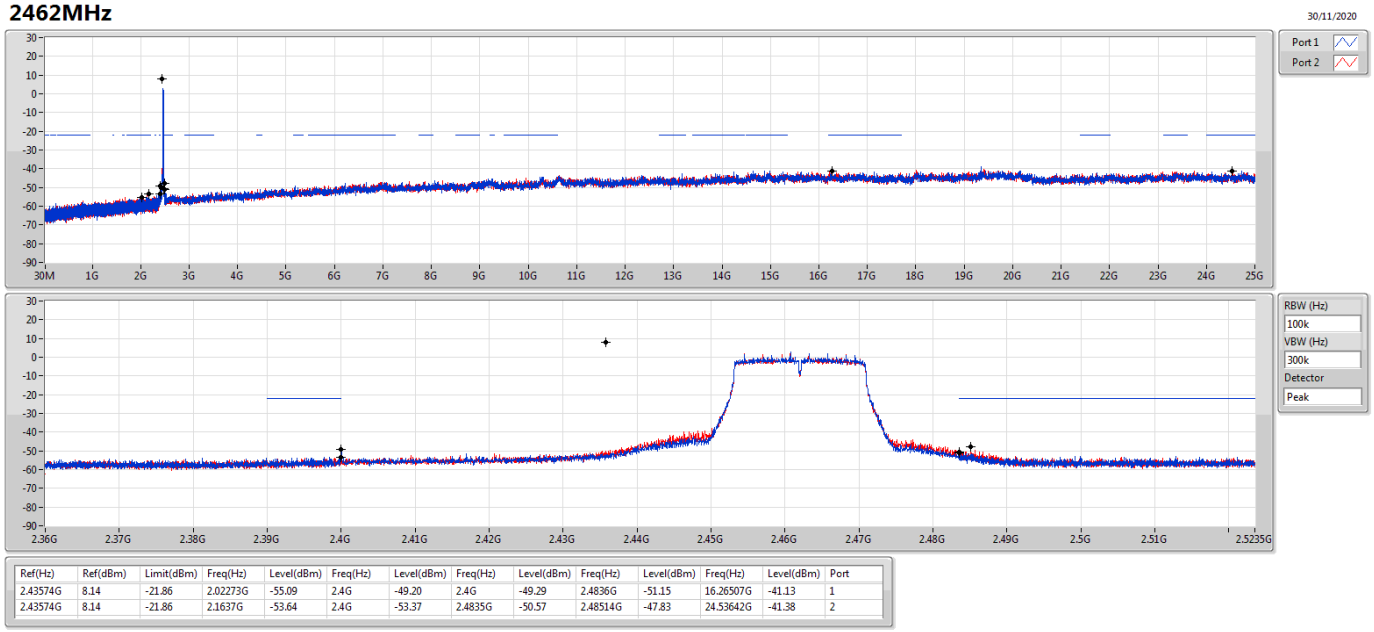
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	8.14	-21.86	2.13545G	-54.74	2.4G	-45.53	2.4G	-45.99	2.48412G	-51.07	24.5308G	-40.54	1
2.43574G	8.14	-21.86	2.12496G	-55.20	2.39954G	-46.20	2.4G	-48.62	2.48704G	-51.91	23.16536G	-40.97	2

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

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	8.14	-21.86	2.02273G	-55.09	2.4G	-49.20	2.4G	-49.29	2.4836G	-51.15	16.26507G	-41.13	1
2.43574G	8.14	-21.86	2.1637G	-53.64	2.4G	-53.37	2.4835G	-50.57	2.48514G	-47.83	24.53642G	-41.38	2

Summary

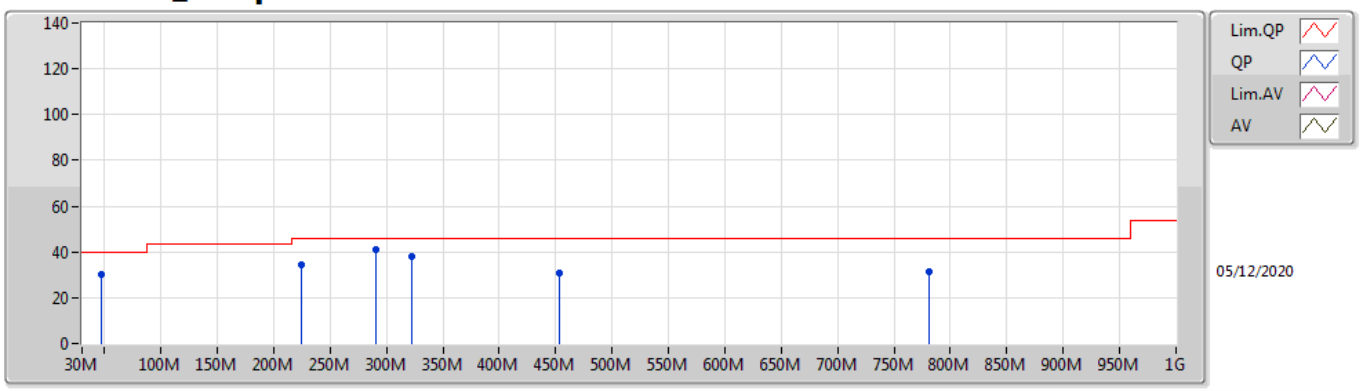
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	317.12M	42.59	46.00	-3.41	3	Horizontal	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	224M	34.68	46.00	-11.32	3	Vertical	0	1.00	-
2437MHz	Pass	PK	289.96M	41.33	46.00	-4.67	3	Vertical	0	1.00	-
2437MHz	Pass	PK	322.94M	38.08	46.00	-7.92	3	Vertical	0	1.00	-
2437MHz	Pass	PK	452.92M	30.59	46.00	-15.41	3	Vertical	0	1.00	-
2437MHz	Pass	PK	780.78M	31.43	46.00	-14.57	3	Vertical	0	1.00	-
2437MHz	Pass	QP	47.46M	30.03	40.00	-9.97	3	Vertical	360	1.20	-
2437MHz	Pass	PK	57.16M	35.52	40.00	-4.48	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	249.22M	41.49	46.00	-4.51	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	317.12M	42.59	46.00	-3.41	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	435.46M	28.57	46.00	-17.43	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	757.5M	30.64	46.00	-15.36	3	Horizontal	360	1.00	-
2437MHz	Pass	QP	288.02M	40.60	46.00	-5.40	3	Horizontal	260	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

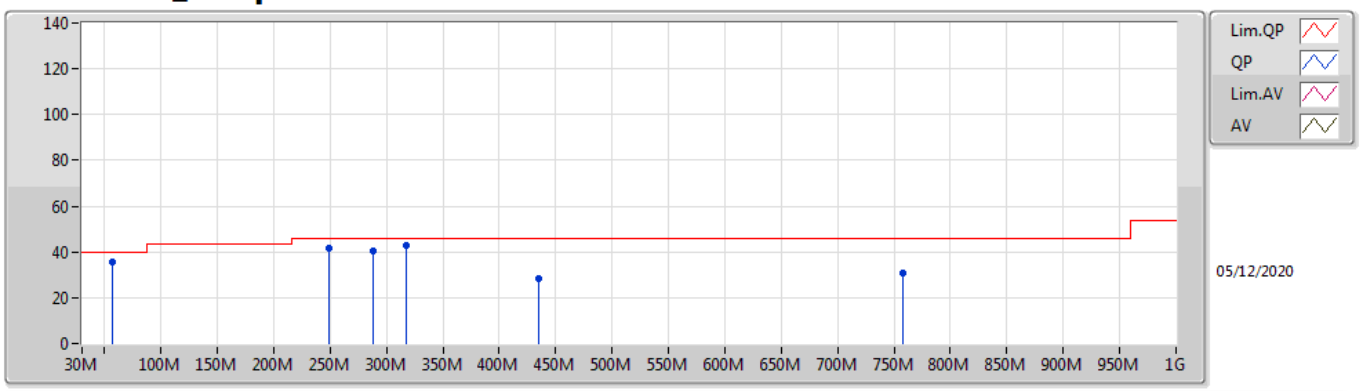
2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	224M	34.68	46.00	-11.32	-3.73	3	Vertical	0	1.00	-	38.41	21.20	2.24	27.17
PK	289.96M	41.33	46.00	-4.67	-3.02	3	Vertical	0	1.00	-	44.35	21.46	2.56	27.04
PK	322.94M	38.08	46.00	-7.92	-2.89	3	Vertical	0	1.00	-	40.97	21.59	2.69	27.17
PK	452.92M	30.59	46.00	-15.41	-2.75	3	Vertical	0	1.00	-	33.34	22.11	3.22	28.08
PK	780.78M	31.43	46.00	-14.57	-0.02	3	Vertical	0	1.00	-	31.45	23.42	4.42	27.86
QP	47.46M	30.03	40.00	-9.97	-6.21	3	Vertical	360	1.20	-	36.24	20.49	0.95	27.65

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	57.16M	35.52	40.00	-4.48	-6.22	3	Horizontal	360	1.00	-	41.74	20.53	1.04	27.79
PK	249.22M	41.49	46.00	-4.51	-3.35	3	Horizontal	360	1.00	-	44.84	21.30	2.40	27.05
PK	317.12M	42.59	46.00	-3.41	-2.90	3	Horizontal	360	1.00	-	45.49	21.57	2.67	27.14
PK	435.46M	28.57	46.00	-17.43	-2.79	3	Horizontal	360	1.00	-	31.36	22.04	3.14	27.97
PK	757.5M	30.64	46.00	-15.36	-0.31	3	Horizontal	360	1.00	-	30.95	23.33	4.33	27.97
QP	288.02M	40.60	46.00	-5.40	-3.04	3	Horizontal	260	1.00	-	43.64	21.45	2.55	27.04

Summary

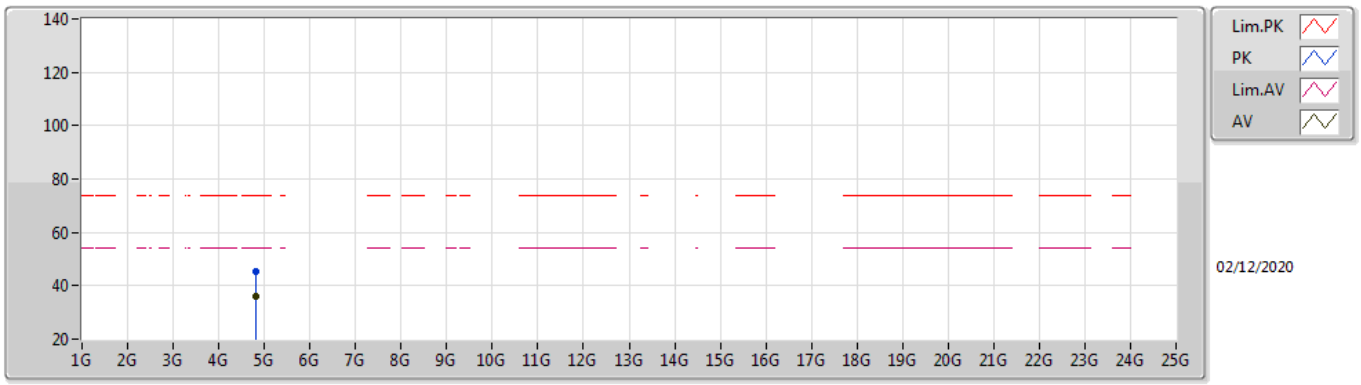
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.82398G	36.19	54.00	-17.81	3	Vertical	321	1.31	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	4.83574G	31.69	54.00	-22.31	3	Vertical	11	2.76	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	4.87346G	30.38	54.00	-23.62	3	Vertical	22	2.90	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.82398G	36.19	54.00	-17.81	3	Vertical	321	1.31	-
2412MHz	Pass	PK	4.82371G	45.12	74.00	-28.88	3	Vertical	321	1.31	-
2412MHz	Pass	AV	4.82394G	34.85	54.00	-19.15	3	Horizontal	338	3.00	-
2412MHz	Pass	PK	4.8239G	45.18	74.00	-28.82	3	Horizontal	338	3.00	-
2437MHz	Pass	AV	4.87396G	34.49	54.00	-19.51	3	Vertical	326	2.82	-
2437MHz	Pass	PK	4.87352G	44.50	74.00	-29.50	3	Vertical	326	2.82	-
2437MHz	Pass	AV	4.87389G	31.57	54.00	-22.43	3	Horizontal	328	3.00	-
2437MHz	Pass	PK	4.87391G	43.37	74.00	-30.63	3	Horizontal	328	3.00	-
2462MHz	Pass	AV	4.92399G	35.02	54.00	-18.98	3	Vertical	312	1.00	-
2462MHz	Pass	PK	4.92401G	45.06	74.00	-28.94	3	Vertical	312	1.00	-
2462MHz	Pass	AV	4.92395G	33.32	54.00	-20.68	3	Horizontal	253	2.44	-
2462MHz	Pass	PK	4.92405G	44.80	74.00	-29.20	3	Horizontal	253	2.44	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.82401G	30.54	54.00	-23.46	3	Vertical	327	1.00	-
2412MHz	Pass	PK	4.8234G	43.33	74.00	-30.67	3	Vertical	327	1.00	-
2412MHz	Pass	AV	4.82507G	30.09	54.00	-23.91	3	Horizontal	335	1.49	-
2412MHz	Pass	PK	4.82526G	43.35	74.00	-30.65	3	Horizontal	335	1.49	-
2417MHz	Pass	AV	4.83574G	31.69	54.00	-22.31	3	Vertical	11	2.76	-
2417MHz	Pass	PK	4.83496G	45.13	74.00	-28.87	3	Vertical	11	2.76	-
2417MHz	Pass	AV	4.831G	29.82	54.00	-24.18	3	Horizontal	96	1.54	-
2417MHz	Pass	PK	4.83586G	43.10	74.00	-30.90	3	Horizontal	96	1.54	-
2437MHz	Pass	AV	4.87424G	31.17	54.00	-22.83	3	Vertical	322	2.96	-
2437MHz	Pass	PK	4.8749G	44.80	74.00	-29.20	3	Vertical	322	2.96	-
2437MHz	Pass	AV	4.87576G	30.63	54.00	-23.37	3	Horizontal	243	2.68	-
2437MHz	Pass	PK	4.86994G	43.55	74.00	-30.45	3	Horizontal	243	2.68	-
2457MHz	Pass	AV	4.91616G	30.65	54.00	-23.35	3	Vertical	189	2.85	-
2457MHz	Pass	PK	4.923G	43.49	74.00	-30.51	3	Vertical	189	2.85	-
2457MHz	Pass	AV	4.91544G	30.64	54.00	-23.36	3	Horizontal	335	1.00	-
2457MHz	Pass	PK	4.91658G	43.18	74.00	-30.82	3	Horizontal	335	1.00	-
2462MHz	Pass	AV	4.92154G	31.14	54.00	-22.86	3	Vertical	3	2.78	-
2462MHz	Pass	PK	4.9219G	43.86	74.00	-30.14	3	Vertical	3	2.78	-
2462MHz	Pass	AV	4.924G	30.11	54.00	-23.89	3	Horizontal	304	1.02	-
2462MHz	Pass	PK	4.91596G	43.29	74.00	-30.71	3	Horizontal	304	1.02	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.82382G	29.73	54.00	-24.27	3	Vertical	332	2.73	-
2412MHz	Pass	PK	4.82574G	42.80	74.00	-31.20	3	Vertical	332	2.73	-
2412MHz	Pass	AV	4.82388G	29.11	54.00	-24.89	3	Horizontal	267	1.48	-
2412MHz	Pass	PK	4.83018G	42.52	74.00	-31.48	3	Horizontal	267	1.48	-
2417MHz	Pass	AV	4.834G	29.60	54.00	-24.40	3	Vertical	329	1.29	-
2417MHz	Pass	PK	4.84714G	43.04	74.00	-30.96	3	Vertical	329	1.29	-
2417MHz	Pass	AV	4.83016G	29.12	54.00	-24.88	3	Horizontal	277	1.50	-
2417MHz	Pass	PK	4.84696G	42.65	74.00	-31.35	3	Horizontal	277	1.50	-
2437MHz	Pass	AV	4.87346G	30.38	54.00	-23.62	3	Vertical	22	2.90	-
2437MHz	Pass	PK	4.87442G	43.75	74.00	-30.25	3	Vertical	22	2.90	-
2437MHz	Pass	AV	4.87388G	30.26	54.00	-23.74	3	Horizontal	300	1.06	-
2437MHz	Pass	PK	4.87778G	43.20	74.00	-30.80	3	Horizontal	300	1.06	-
2457MHz	Pass	AV	4.91394G	29.89	54.00	-24.11	3	Vertical	314	1.00	-
2457MHz	Pass	PK	4.91376G	43.06	74.00	-30.94	3	Vertical	314	1.00	-
2457MHz	Pass	AV	4.91022G	29.82	54.00	-24.18	3	Horizontal	250	2.77	-
2457MHz	Pass	PK	4.90794G	43.54	74.00	-30.46	3	Horizontal	250	2.77	-
2462MHz	Pass	AV	4.93024G	30.13	54.00	-23.87	3	Vertical	11	2.75	-
2462MHz	Pass	PK	4.91734G	43.60	74.00	-30.40	3	Vertical	11	2.75	-
2462MHz	Pass	AV	4.92928G	29.76	54.00	-24.24	3	Horizontal	287	1.29	-
2462MHz	Pass	PK	4.93582G	43.04	74.00	-30.96	3	Horizontal	287	1.29	-

802.11b_Nss1,(1Mbps)_2TX

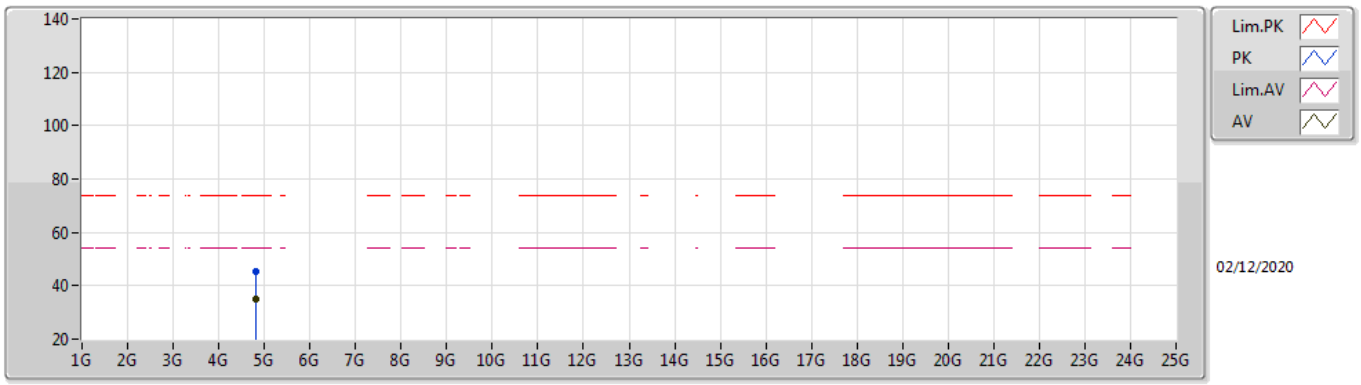
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82398G	36.19	54.00	-17.81	4.99	3	Vertical	321	1.31	-	31.20	31.00	8.27	34.28
PK	4.82371G	45.12	74.00	-28.88	4.98	3	Vertical	321	1.31	-	40.14	30.99	8.27	34.28

802.11b_Nss1,(1Mbps)_2TX

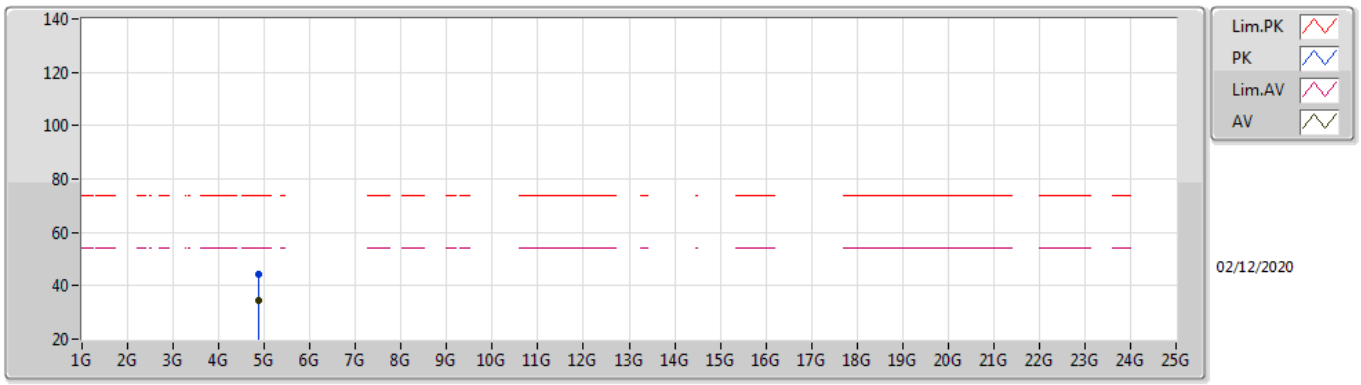
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82394G	34.85	54.00	-19.15	4.99	3	Horizontal	338	3.00	-	29.86	31.00	8.27	34.28
PK	4.8239G	45.18	74.00	-28.82	4.99	3	Horizontal	338	3.00	-	40.19	31.00	8.27	34.28

802.11b_Nss1,(1Mbps)_2TX

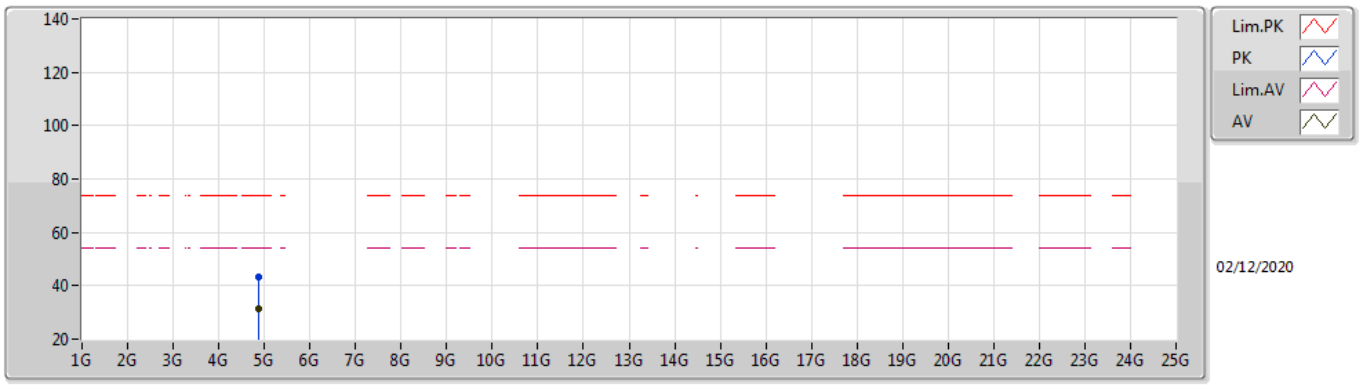
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87396G	34.49	54.00	-19.51	5.09	3	Vertical	326	2.82	-	29.40	31.05	8.30	34.26
PK	4.87352G	44.50	74.00	-29.50	5.09	3	Vertical	326	2.82	-	39.41	31.05	8.30	34.26

802.11b_Nss1,(1Mbps)_2TX

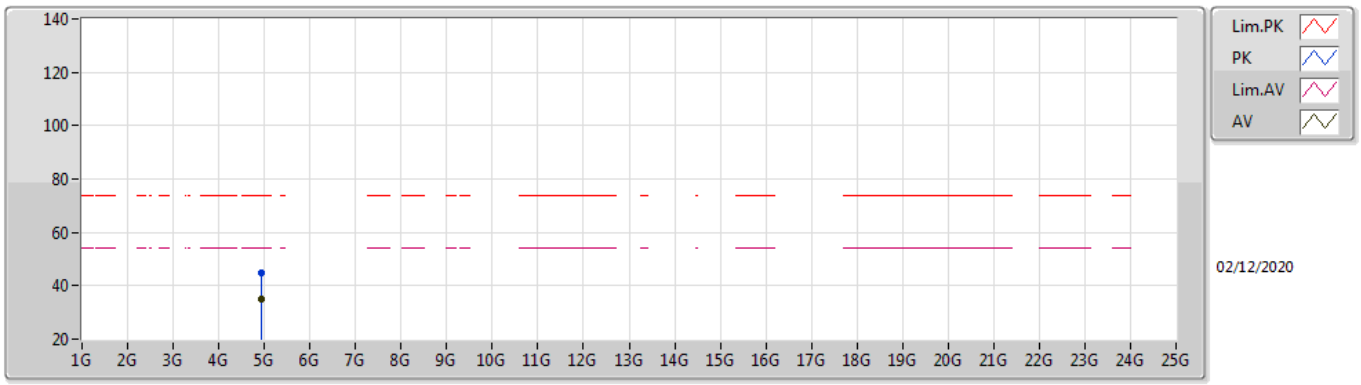
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87389G	31.57	54.00	-22.43	5.09	3	Horizontal	328	3.00	-	26.48	31.05	8.30	34.26
PK	4.87391G	43.37	74.00	-30.63	5.09	3	Horizontal	328	3.00	-	38.28	31.05	8.30	34.26

802.11b_Nss1,(1Mbps)_2TX

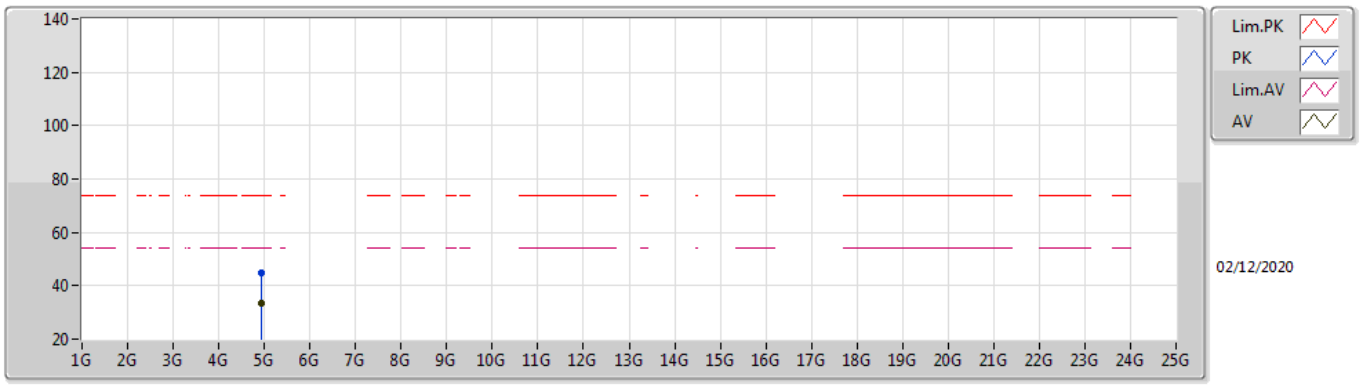
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92399G	35.02	54.00	-18.98	5.18	3	Vertical	312	1.00	-	29.84	31.10	8.33	34.25
PK	4.92401G	45.06	74.00	-28.94	5.18	3	Vertical	312	1.00	-	39.88	31.10	8.33	34.25

802.11b_Nss1,(1Mbps)_2TX

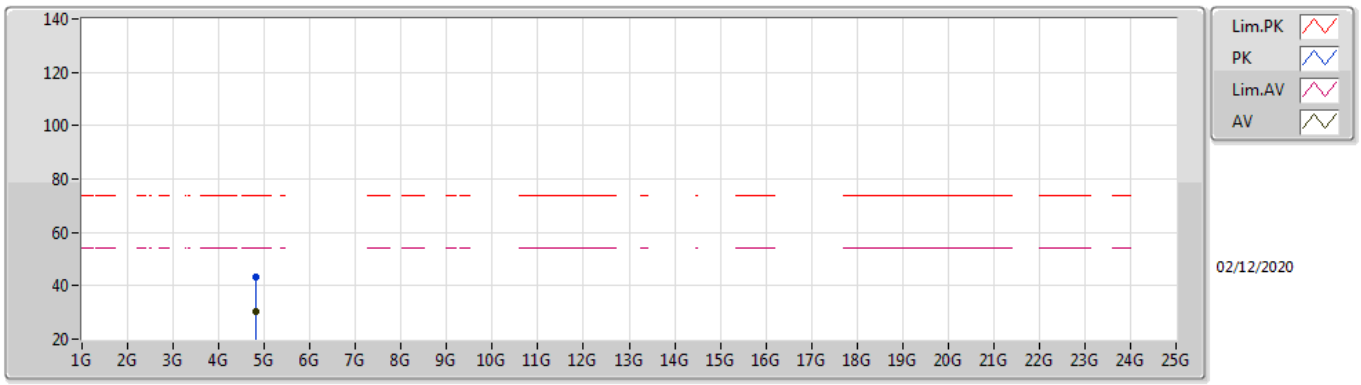
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92395G	33.32	54.00	-20.68	5.18	3	Horizontal	253	2.44	-	28.14	31.10	8.33	34.25
PK	4.92405G	44.80	74.00	-29.20	5.18	3	Horizontal	253	2.44	-	39.62	31.10	8.33	34.25

802.11g_Nss1,(6Mbps)_2TX

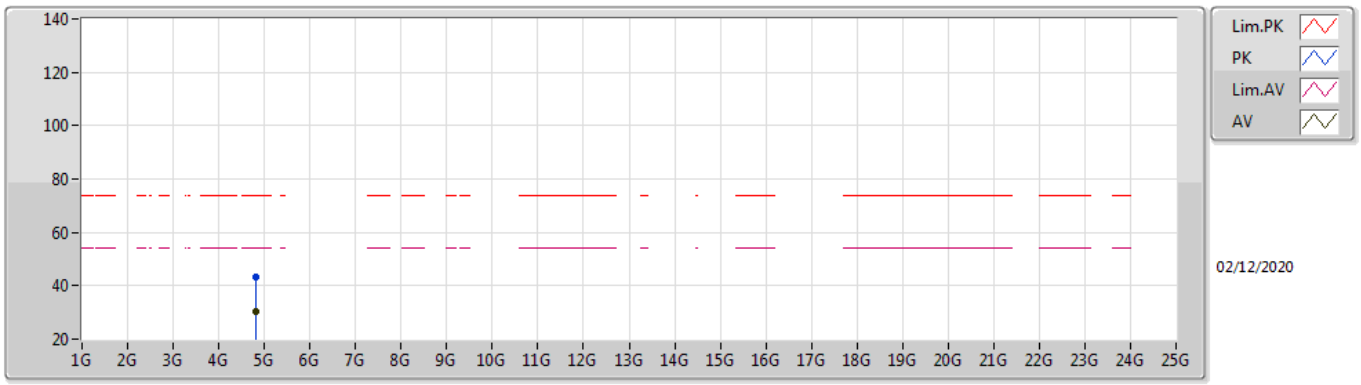
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82401G	30.54	54.00	-23.46	4.99	3	Vertical	327	1.00	-	25.55	31.00	8.27	34.28
PK	4.8234G	43.33	74.00	-30.67	4.98	3	Vertical	327	1.00	-	38.35	30.99	8.27	34.28

802.11g_Nss1,(6Mbps)_2TX

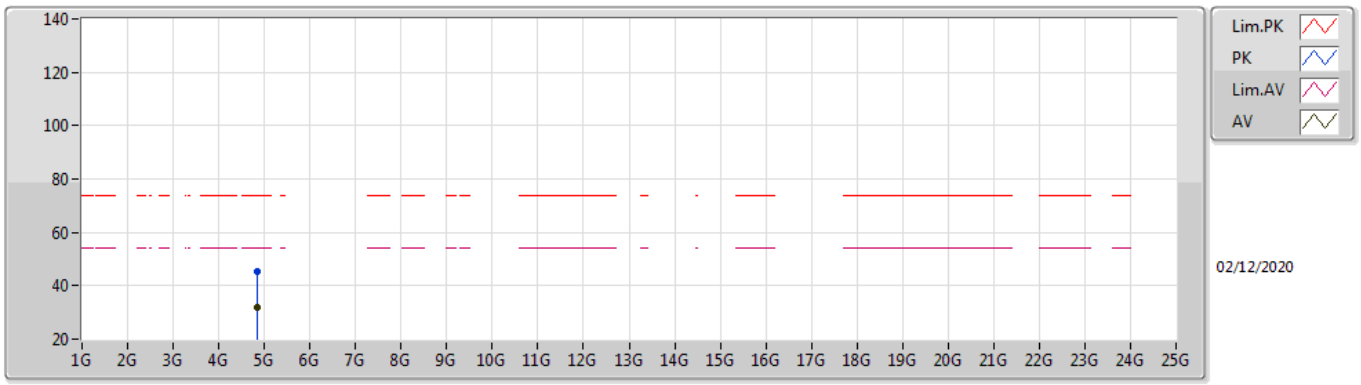
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82507G	30.09	54.00	-23.91	4.99	3	Horizontal	335	1.49	-	25.10	31.00	8.27	34.28
PK	4.82526G	43.35	74.00	-30.65	4.99	3	Horizontal	335	1.49	-	38.36	31.00	8.27	34.28

802.11g_Nss1,(6Mbps)_2TX

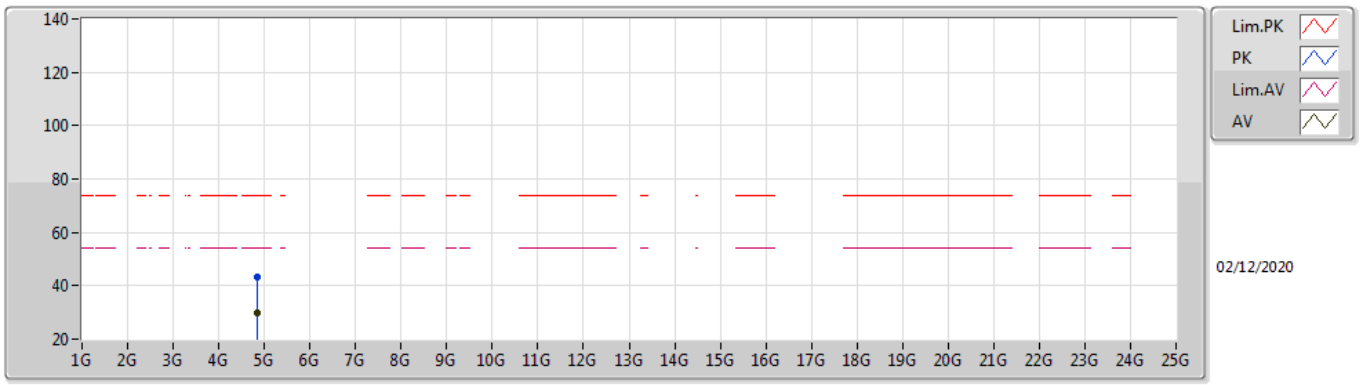
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.83574G	31.69	54.00	-22.31	5.03	3	Vertical	11	2.76	-	26.66	31.04	8.27	34.28
PK	4.83496G	45.13	74.00	-28.87	5.03	3	Vertical	11	2.76	-	40.10	31.04	8.27	34.28

802.11g_Nss1,(6Mbps)_2TX

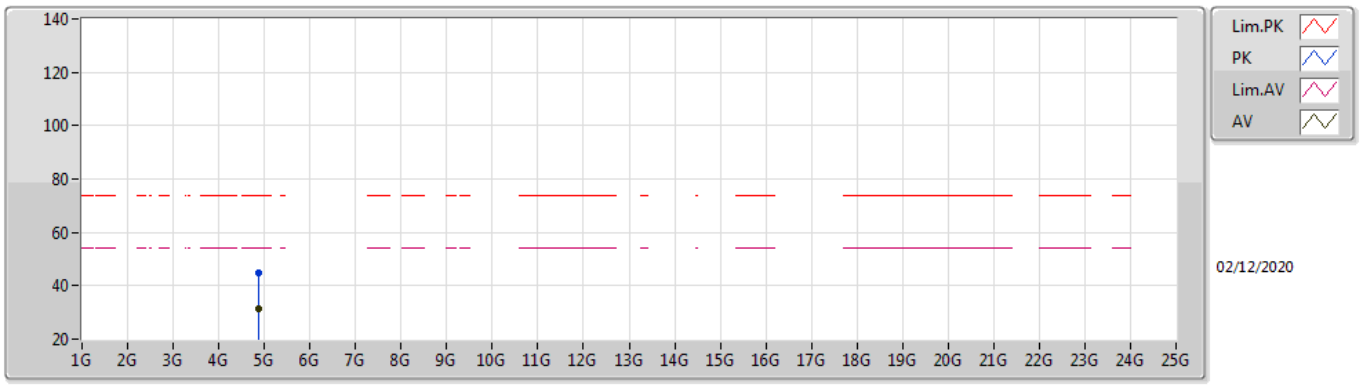
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.831G	29.82	54.00	-24.18	5.01	3	Horizontal	96	1.54	-	24.81	31.02	8.27	34.28
PK	4.83586G	43.10	74.00	-30.90	5.03	3	Horizontal	96	1.54	-	38.07	31.04	8.27	34.28

802.11g_Nss1,(6Mbps)_2TX

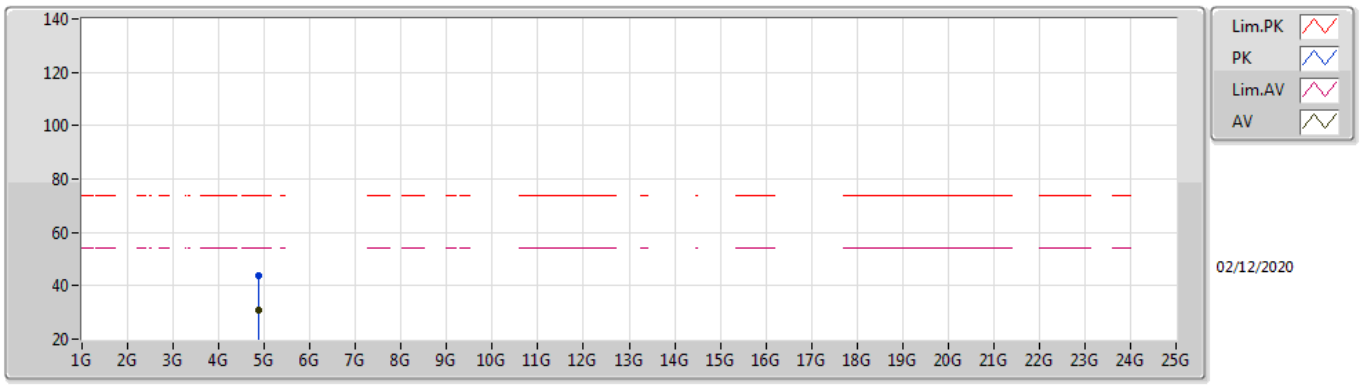
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87424G	31.17	54.00	-22.83	5.09	3	Vertical	322	2.96	-	26.08	31.05	8.30	34.26
PK	4.8749G	44.80	74.00	-29.20	5.09	3	Vertical	322	2.96	-	39.71	31.05	8.30	34.26

802.11g_Nss1,(6Mbps)_2TX

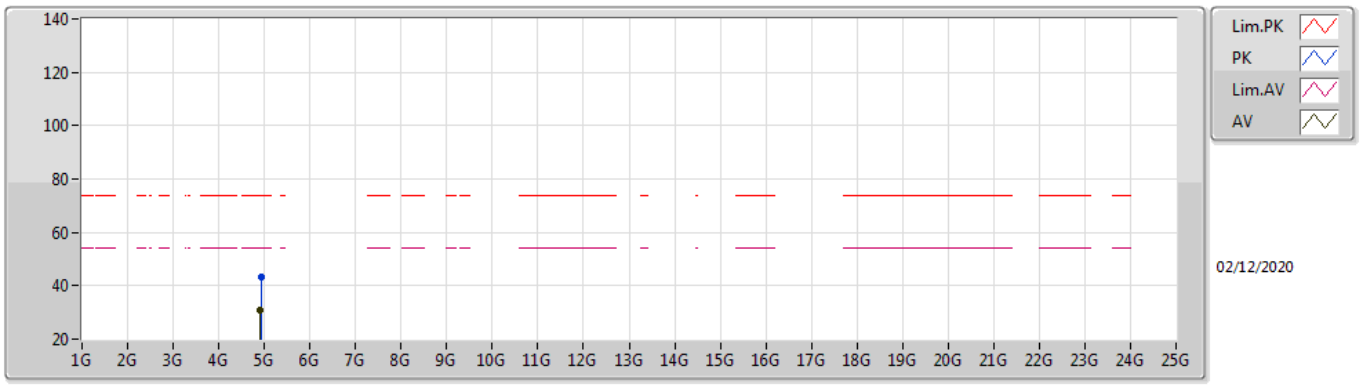
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87576G	30.63	54.00	-23.37	5.09	3	Horizontal	243	2.68	-	25.54	31.05	8.30	34.26
PK	4.86994G	43.55	74.00	-30.45	5.10	3	Horizontal	243	2.68	-	38.45	31.06	8.30	34.26

802.11g_Nss1,(6Mbps)_2TX

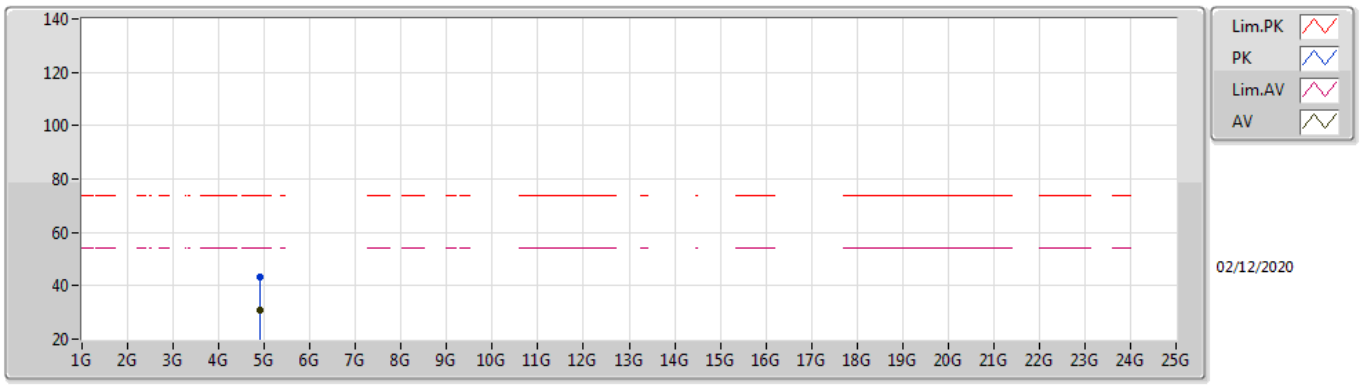
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.91616G	30.65	54.00	-23.35	5.14	3	Vertical	189	2.85	-	25.51	31.06	8.33	34.25
PK	4.923G	43.49	74.00	-30.51	5.17	3	Vertical	189	2.85	-	38.32	31.09	8.33	34.25

802.11g_Nss1,(6Mbps)_2TX

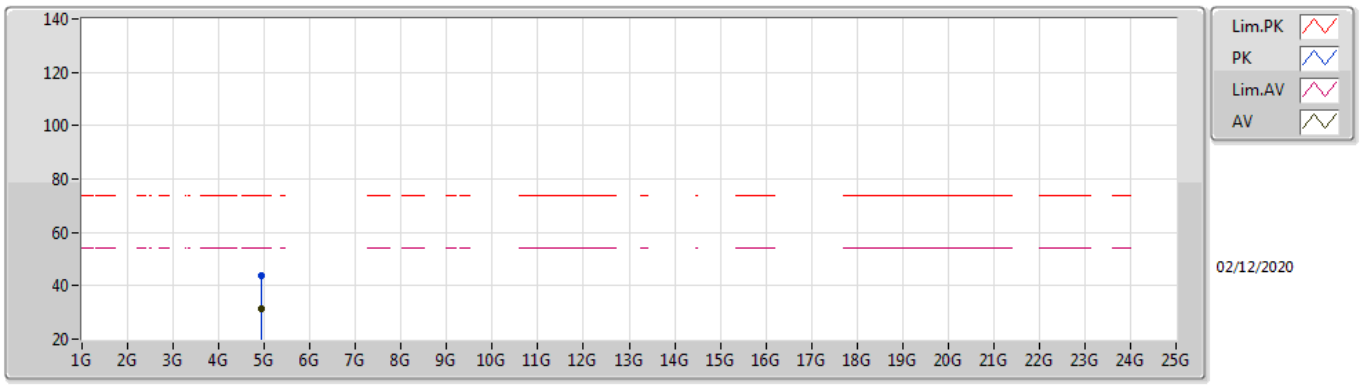
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.91544G	30.64	54.00	-23.36	5.14	3	Horizontal	335	1.00	-	25.50	31.06	8.33	34.25
PK	4.91658G	43.18	74.00	-30.82	5.15	3	Horizontal	335	1.00	-	38.03	31.07	8.33	34.25

802.11g_Nss1,(6Mbps)_2TX

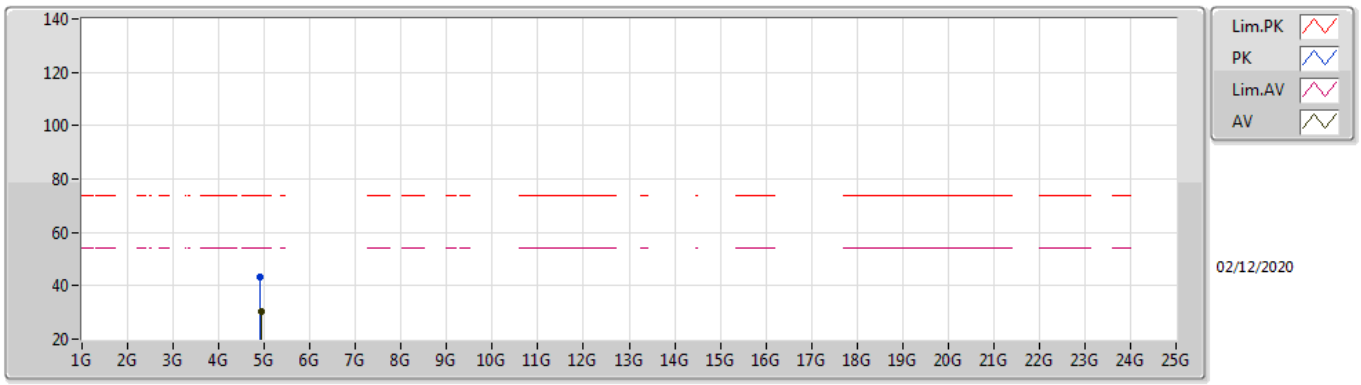
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92154G	31.14	54.00	-22.86	5.17	3	Vertical	3	2.78	-	25.97	31.09	8.33	34.25
PK	4.9219G	43.86	74.00	-30.14	5.17	3	Vertical	3	2.78	-	38.69	31.09	8.33	34.25

802.11g_Nss1,(6Mbps)_2TX

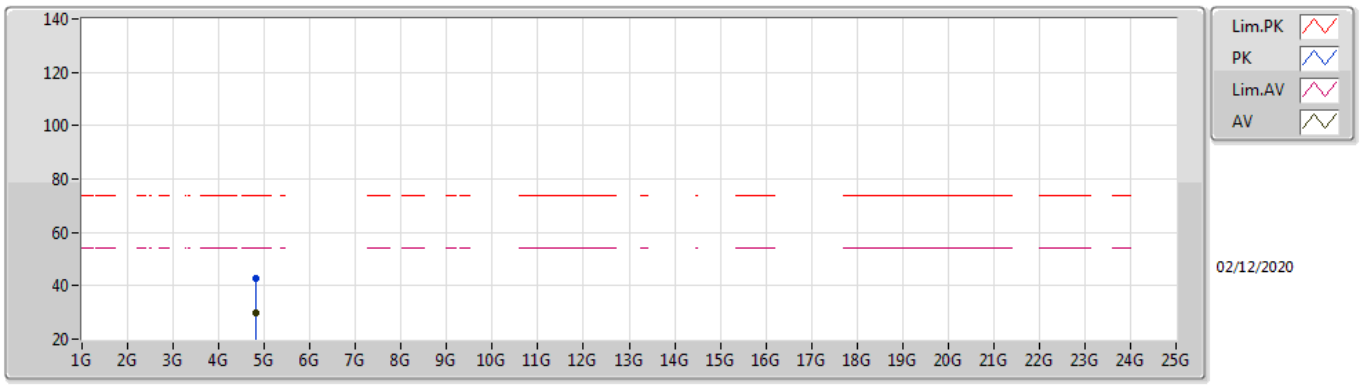
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	30.11	54.00	-23.89	5.18	3	Horizontal	304	1.02	-	24.93	31.10	8.33	34.25
PK	4.91596G	43.29	74.00	-30.71	5.14	3	Horizontal	304	1.02	-	38.15	31.06	8.33	34.25

802.11n HT20_Nss1,(MCS0)_2TX

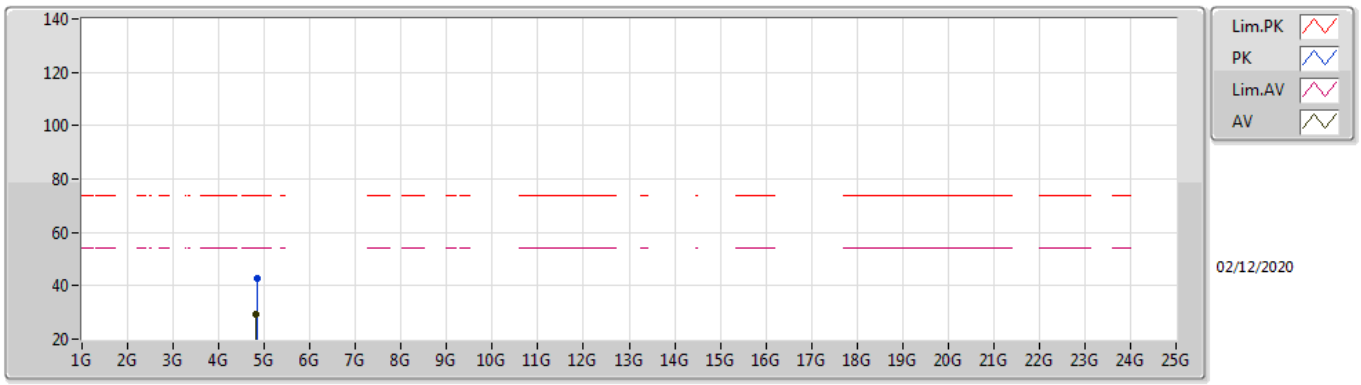
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82382G	29.73	54.00	-24.27	4.99	3	Vertical	332	2.73	-	24.74	31.00	8.27	34.28
PK	4.82574G	42.80	74.00	-31.20	4.99	3	Vertical	332	2.73	-	37.81	31.00	8.27	34.28

802.11n HT20_Nss1,(MCS0)_2TX

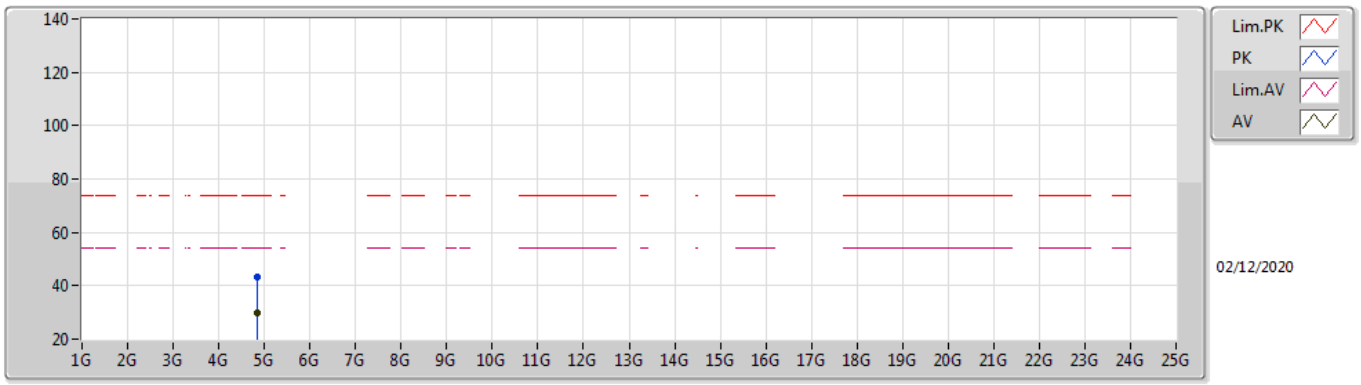
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82388G	29.11	54.00	-24.89	4.99	3	Horizontal	267	1.48	-	24.12	31.00	8.27	34.28
PK	4.83018G	42.52	74.00	-31.48	5.01	3	Horizontal	267	1.48	-	37.51	31.02	8.27	34.28

802.11n HT20_Nss1,(MCS0)_2TX

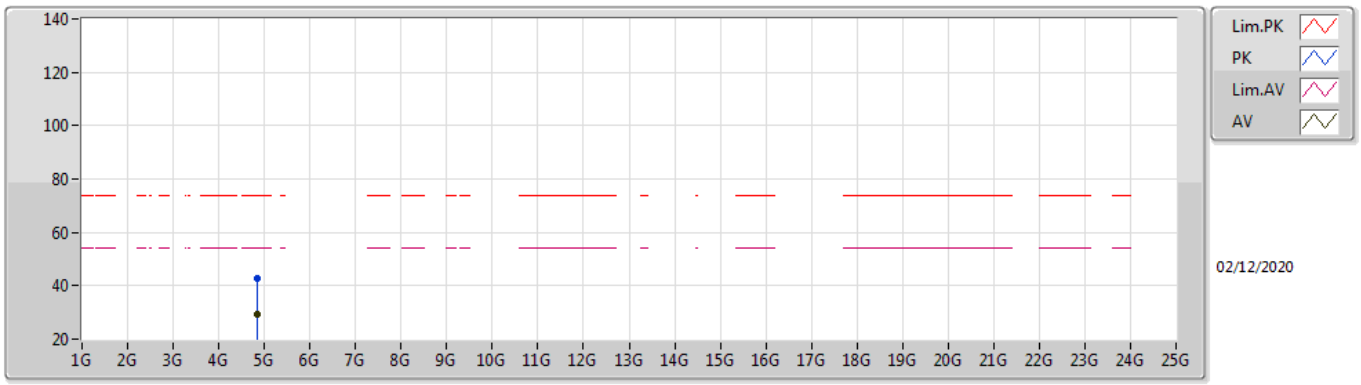
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.834G	29.60	54.00	-24.40	5.03	3	Vertical	329	1.29	-	24.57	31.04	8.27	34.28
PK	4.84714G	43.04	74.00	-30.96	5.10	3	Vertical	329	1.29	-	37.94	31.09	8.28	34.27

802.11n HT20_Nss1,(MCS0)_2TX

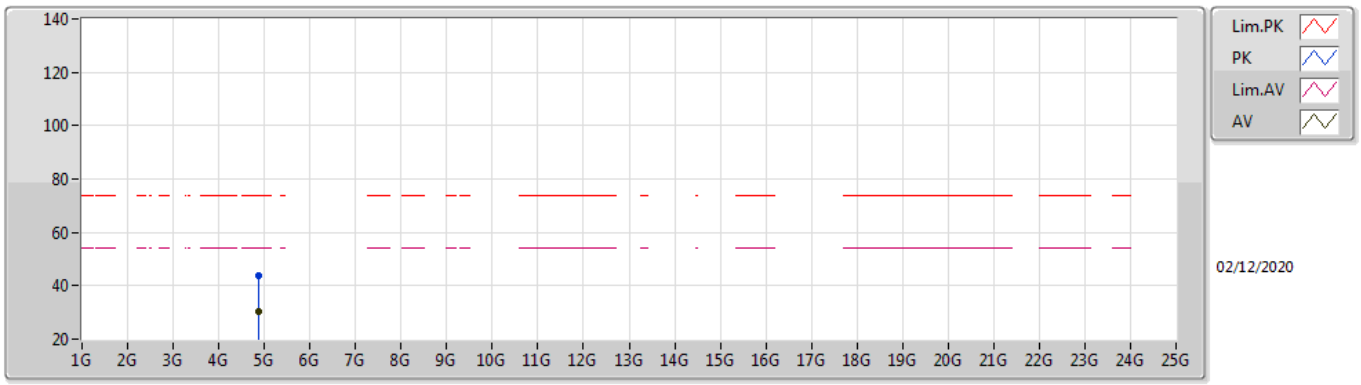
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.83016G	29.12	54.00	-24.88	5.01	3	Horizontal	277	1.50	-	24.11	31.02	8.27	34.28
PK	4.84696G	42.65	74.00	-31.35	5.10	3	Horizontal	277	1.50	-	37.55	31.09	8.28	34.27

802.11n HT20_Nss1,(MCS0)_2TX

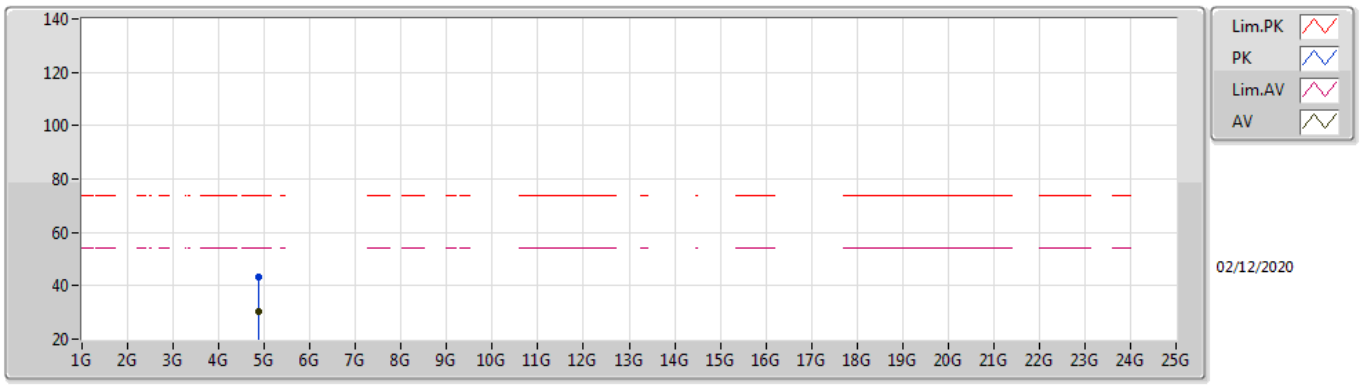
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87346G	30.38	54.00	-23.62	5.09	3	Vertical	22	2.90	-	25.29	31.05	8.30	34.26
PK	4.87442G	43.75	74.00	-30.25	5.09	3	Vertical	22	2.90	-	38.66	31.05	8.30	34.26

802.11n HT20_Nss1,(MCS0)_2TX

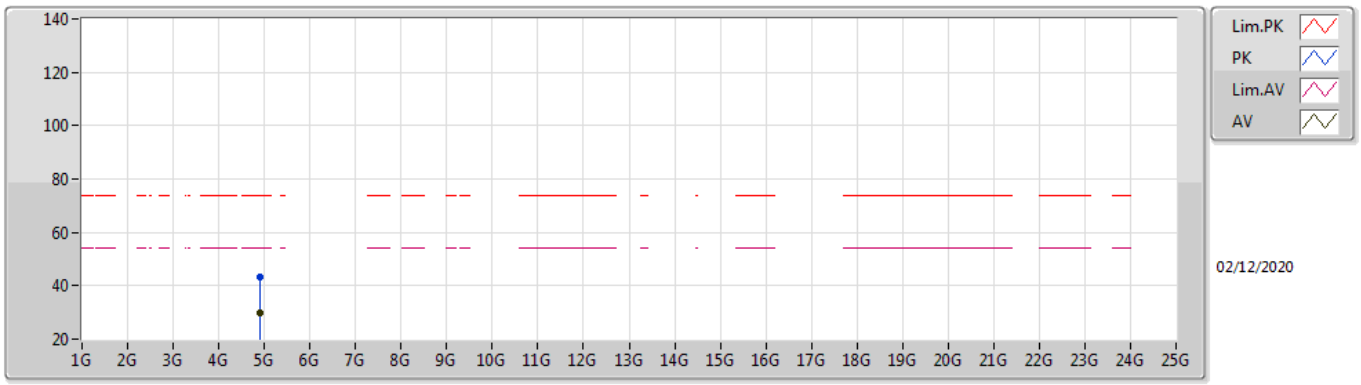
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87388G	30.26	54.00	-23.74	5.09	3	Horizontal	300	1.06	-	25.17	31.05	8.30	34.26
PK	4.87778G	43.20	74.00	-30.80	5.08	3	Horizontal	300	1.06	-	38.12	31.04	8.30	34.26

802.11n HT20_Nss1,(MCS0)_2TX

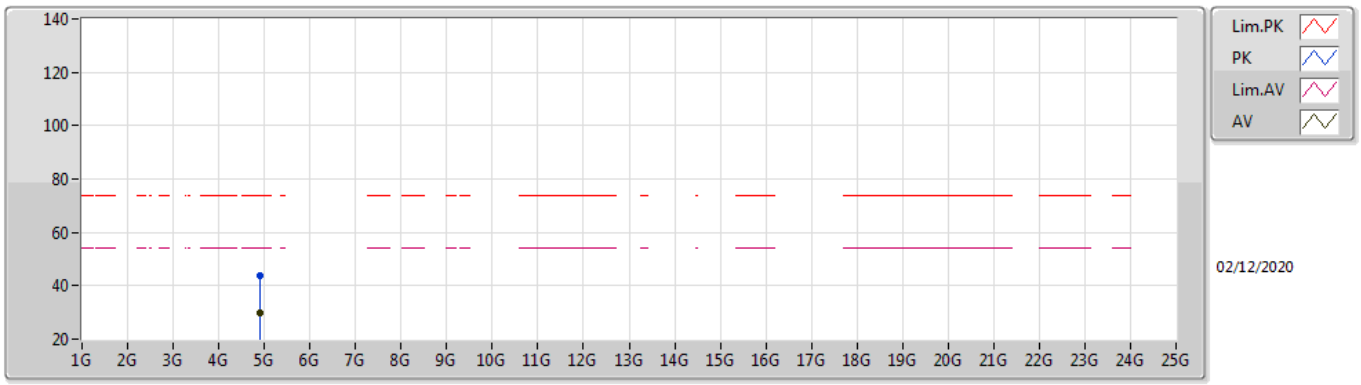
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.91394G	29.89	54.00	-24.11	5.13	3	Vertical	314	1.00	-	24.76	31.06	8.32	34.25
PK	4.91376G	43.06	74.00	-30.94	5.13	3	Vertical	314	1.00	-	37.93	31.06	8.32	34.25

802.11n HT20_Nss1,(MCS0)_2TX

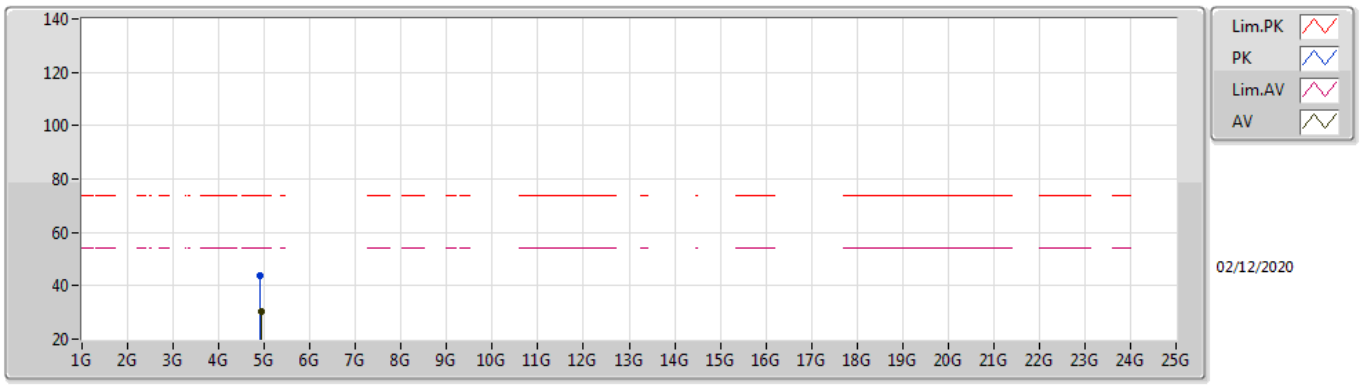
2457MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.91022G	29.82	54.00	-24.18	5.11	3	Horizontal	250	2.77	-	24.71	31.04	8.32	34.25
PK	4.90794G	43.54	74.00	-30.46	5.10	3	Horizontal	250	2.77	-	38.44	31.03	8.32	34.25

802.11n HT20_Nss1,(MCS0)_2TX

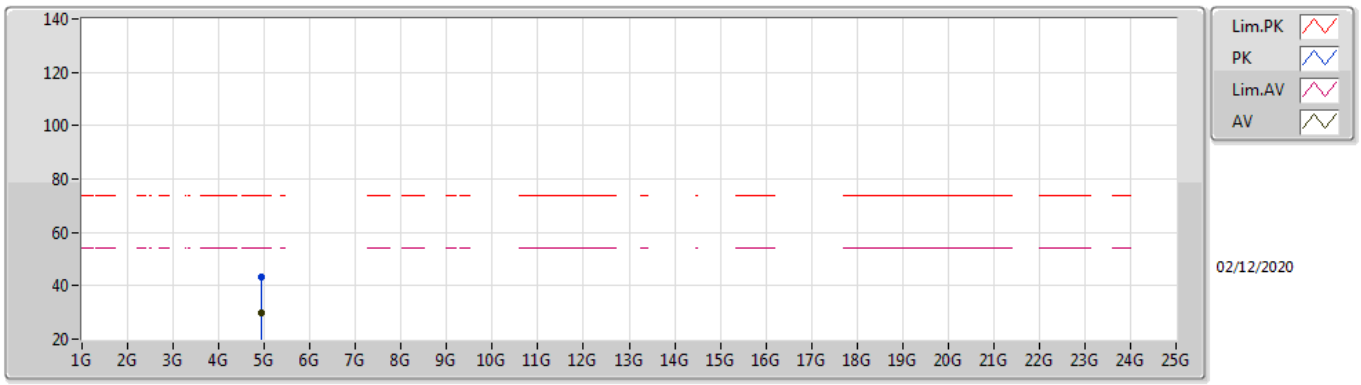
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.93024G	30.13	54.00	-23.87	5.21	3	Vertical	11	2.75	-	24.92	31.12	8.33	34.24
PK	4.91734G	43.60	74.00	-30.40	5.15	3	Vertical	11	2.75	-	38.45	31.07	8.33	34.25

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92928G	29.76	54.00	-24.24	5.21	3	Horizontal	287	1.29	-	24.55	31.12	8.33	34.24
PK	4.93582G	43.04	74.00	-30.96	5.24	3	Horizontal	287	1.29	-	37.80	31.14	8.34	34.24

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.9G	7.5G	AV	4.924G	7.01	-50.85	-52.00	-48.38	-41.37	-41.20	-0.17
802.11g_Nss1,(6Mbps)_2TX	Pass	2.36G	2.4G	AV	2.38984G	7.01	-52.77	-50.88	-48.71	-41.70	-41.20	-0.50
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.36G	2.4G	AV	2.39G	7.01	-52.76	-50.43	-48.43	-41.42	-41.20	-0.22

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	1.86258G	7.01	-76.63	-69.59	-68.81	-61.80	-41.20	-20.60
2412MHz	Pass	2.36G	2.4G	AV	2.39G	7.01	-63.41	-65.27	-61.23	-54.22	-41.20	-13.02
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-63.94	-64.36	-61.13	-54.12	-41.20	-12.92
2412MHz	Pass	2.4835G	2.5235G	AV	2.48358G	7.01	-63.94	-64.36	-61.13	-54.12	-41.20	-12.92
2412MHz	Pass	2.5235G	2.9G	AV	2.65744G	7.01	-72.71	-73.23	-69.95	-62.94	-41.20	-21.74
2412MHz	Pass	2.9G	7.5G	AV	4.82395G	7.01	-51.23	-52.44	-48.78	-41.77	-41.20	-0.57
2412MHz	Pass	7.5G	25G	AV	18.34563G	7.01	-60.70	-60.70	-57.69	-50.68	-41.20	-9.48
2412MHz	Pass	1G	2.36G	PK	2.33195G	7.01	-67.91	-64.88	-63.13	-56.12	-21.20	-34.92
2412MHz	Pass	2.36G	2.4G	PK	2.38928G	7.01	-56.10	-53.50	-51.60	-44.59	-21.20	-23.39
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-56.21	-55.00	-52.55	-45.54	-21.20	-24.34
2412MHz	Pass	2.4835G	2.5235G	PK	2.4843G	7.01	-55.04	-54.98	-52.00	-44.99	-21.20	-23.79
2412MHz	Pass	2.5235G	2.9G	PK	2.65G	7.01	-63.11	-63.63	-60.35	-53.34	-21.20	-32.14
2412MHz	Pass	2.9G	7.5G	PK	4.82395G	7.01	-49.69	-50.81	-47.20	-40.19	-21.20	-18.99
2412MHz	Pass	7.5G	25G	PK	20.14594G	7.01	-52.52	-51.31	-48.86	-41.85	-21.20	-20.65
2437MHz	Pass	1G	2.36G	AV	2.28673G	7.01	-74.52	-74.71	-71.60	-64.59	-41.20	-23.39
2437MHz	Pass	2.36G	2.4G	AV	2.38984G	7.01	-68.32	-67.98	-65.14	-58.13	-41.20	-16.93
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-65.40	-64.80	-62.08	-55.07	-41.20	-13.87
2437MHz	Pass	2.4835G	2.5235G	AV	2.4835G	7.01	-65.26	-64.00	-61.57	-54.56	-41.20	-13.36
2437MHz	Pass	2.5235G	2.9G	AV	2.69142G	7.01	-72.45	-74.43	-70.32	-63.31	-41.20	-22.11
2437MHz	Pass	2.9G	7.5G	AV	4.87398G	7.01	-51.59	-53.43	-49.40	-42.39	-41.20	-1.19
2437MHz	Pass	7.5G	25G	AV	19.65156G	7.01	-60.76	-60.40	-57.57	-50.56	-41.20	-9.36
2437MHz	Pass	1G	2.36G	PK	2.16994G	7.01	-65.54	-65.30	-62.41	-55.40	-21.20	-34.20
2437MHz	Pass	2.36G	2.4G	PK	2.38976G	7.01	-59.92	-58.44	-56.11	-49.10	-21.20	-27.90
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-56.83	-56.60	-53.70	-46.69	-21.20	-25.49
2437MHz	Pass	2.4835G	2.5235G	PK	2.4851G	7.01	-56.01	-55.96	-52.97	-45.96	-21.20	-24.76
2437MHz	Pass	2.5235G	2.9G	PK	2.83411G	7.01	-62.92	-67.17	-61.53	-54.52	-21.20	-33.32
2437MHz	Pass	2.9G	7.5G	PK	4.87398G	7.01	-49.91	-50.55	-47.21	-40.20	-21.20	-19.00
2437MHz	Pass	7.5G	25G	PK	20.14813G	7.01	-50.97	-54.64	-49.42	-42.41	-21.20	-21.21
2462MHz	Pass	1G	2.36G	AV	2.29336G	7.01	-74.68	-74.68	-71.67	-64.66	-41.20	-23.46
2462MHz	Pass	2.36G	2.4G	AV	2.3896G	7.01	-70.37	-68.24	-66.17	-59.16	-41.20	-17.96
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-65.61	-63.49	-61.41	-54.40	-41.20	-13.20
2462MHz	Pass	2.4835G	2.5235G	AV	2.4835G	7.01	-65.47	-62.75	-60.89	-53.88	-41.20	-12.68
2462MHz	Pass	2.5235G	2.9G	AV	2.67194G	7.01	-73.50	-73.13	-70.30	-63.29	-41.20	-22.09
2462MHz	Pass	2.9G	7.5G	AV	4.924G	7.01	-50.85	-52.00	-48.38	-41.37	-41.20	-0.17
2462MHz	Pass	7.5G	25G	AV	19.63625G	7.01	-61.10	-59.82	-57.40	-50.39	-41.20	-9.19
2462MHz	Pass	1G	2.36G	PK	2.32379G	7.01	-67.39	-64.06	-62.40	-55.39	-21.20	-34.19
2462MHz	Pass	2.36G	2.4G	PK	2.38992G	7.01	-62.30	-58.22	-56.79	-49.78	-21.20	-28.58
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-57.06	-54.50	-52.58	-45.57	-21.20	-24.37
2462MHz	Pass	2.4835G	2.5235G	PK	2.48398G	7.01	-56.32	-48.77	-48.07	-41.06	-21.20	-19.86
2462MHz	Pass	2.5235G	2.9G	PK	2.63833G	7.01	-61.06	-65.66	-59.77	-52.76	-21.20	-31.56
2462MHz	Pass	2.9G	7.5G	PK	4.924G	7.01	-49.63	-50.43	-47.00	-39.99	-21.20	-18.79
2462MHz	Pass	7.5G	25G	PK	20.13719G	7.01	-52.73	-51.50	-49.06	-42.05	-21.20	-20.85
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	1.75378G	7.01	-77.02	-59.40	-59.33	-52.32	-41.20	-11.12
2412MHz	Pass	2.36G	2.4G	AV	2.39G	7.01	-52.31	-51.22	-48.72	-41.71	-41.20	-0.51
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-62.50	-62.45	-59.46	-52.45	-41.20	-11.25
2412MHz	Pass	2.4835G	2.5235G	AV	2.48518G	7.01	-62.59	-62.01	-59.28	-52.27	-41.20	-11.07
2412MHz	Pass	2.5235G	2.9G	AV	2.66384G	7.01	-73.62	-73.44	-70.52	-63.51	-41.20	-22.31
2412MHz	Pass	2.9G	7.5G	AV	4.82108G	7.01	-59.21	-61.55	-57.21	-50.20	-41.20	-9.00
2412MHz	Pass	7.5G	25G	AV	19.61875G	7.01	-60.96	-60.49	-57.71	-50.70	-41.20	-9.50
2412MHz	Pass	1G	2.36G	PK	1.72403G	7.01	-67.64	-47.77	-47.73	-40.72	-21.20	-19.52
2412MHz	Pass	2.36G	2.4G	PK	2.38952G	7.01	-41.67	-38.16	-36.56	-29.55	-21.20	-8.35
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-54.38	-53.95	-51.15	-44.14	-21.20	-22.94
2412MHz	Pass	2.4835G	2.5235G	PK	2.48422G	7.01	-53.30	-52.52	-49.88	-42.87	-21.20	-21.67
2412MHz	Pass	2.5235G	2.9G	PK	2.67278G	7.01	-64.00	-64.12	-61.05	-54.04	-21.20	-32.84
2412MHz	Pass	2.9G	7.5G	PK	4.82165G	7.01	-50.20	-54.49	-48.83	-41.82	-21.20	-20.62
2412MHz	Pass	7.5G	25G	PK	19.64281G	7.01	-52.97	-51.90	-49.39	-42.38	-21.20	-21.18
2417MHz	Pass	1G	2.36G	AV	1.93347G	7.01	-71.32	-64.72	-63.86	-56.85	-41.20	-15.65
2417MHz	Pass	2.36G	2.4G	AV	2.38984G	7.01	-52.77	-50.88	-48.71	-41.70	-41.20	-0.50
2417MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-59.73	-58.46	-56.04	-49.03	-41.20	-7.83
2417MHz	Pass	2.4835G	2.5235G	AV	2.48422G	7.01	-58.94	-57.69	-55.26	-48.25	-41.20	-7.05
2417MHz	Pass	2.5235G	2.9G	AV	2.65631G	7.01	-73.60	-73.60	-70.59	-63.58	-41.20	-22.38
2417MHz	Pass	2.9G	7.5G	AV	4.83373G	7.01	-57.85	-60.18	-55.85	-48.84	-41.20	-7.64
2417MHz	Pass	7.5G	25G	AV	19.64063G	7.01	-60.47	-60.71	-57.58	-50.57	-41.20	-9.37
2417MHz	Pass	1G	2.36G	PK	1.92514G	7.01	-68.24	-56.61	-56.32	-49.31	-21.20	-28.11
2417MHz	Pass	2.36G	2.4G	PK	2.38984G	7.01	-41.60	-38.19	-36.56	-29.55	-21.20	-8.35
2417MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-50.88	-49.51	-47.13	-40.12	-21.20	-18.92
2417MHz	Pass	2.4835G	2.5235G	PK	2.48374G	7.01	-47.98	-49.29	-45.58	-38.57	-21.20	-17.37

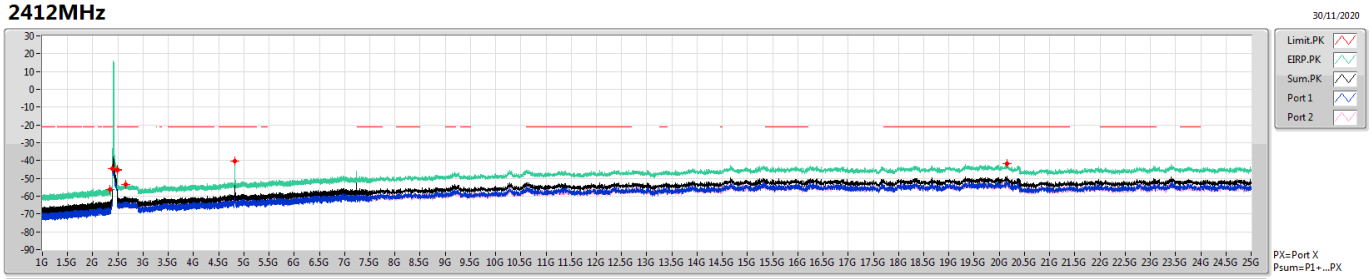
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2417MHz	Pass	2.5235G	2.9G	PK	2.60962G	7.01	-63.59	-64.23	-60.89	-53.88	-21.20	-32.68
2417MHz	Pass	2.9G	7.5G	PK	4.83085G	7.01	-48.87	-53.13	-47.49	-40.48	-21.20	-19.28
2417MHz	Pass	7.5G	25G	PK	15.84969G	7.01	-52.49	-52.45	-49.46	-42.45	-21.20	-21.25
2437MHz	Pass	1G	2.36G	AV	2.32328G	7.01	-73.61	-73.95	-70.77	-63.76	-41.20	-22.56
2437MHz	Pass	2.36G	2.4G	AV	2.38976G	7.01	-58.14	-57.57	-54.84	-47.83	-41.20	-6.63
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-56.75	-56.40	-53.56	-46.55	-41.20	-5.35
2437MHz	Pass	2.4835G	2.5235G	AV	2.48382G	7.01	-57.01	-55.58	-53.23	-46.22	-41.20	-5.02
2437MHz	Pass	2.5235G	2.9G	AV	2.642G	7.01	-73.65	-72.42	-69.98	-62.97	-41.20	-21.77
2437MHz	Pass	2.9G	7.5G	AV	4.87513G	7.01	-51.81	-52.43	-49.10	-42.09	-41.20	-0.89
2437MHz	Pass	7.5G	25G	AV	19.64938G	7.01	-60.65	-60.42	-57.52	-50.51	-41.20	-9.31
2437MHz	Pass	1G	2.36G	PK	2.32005G	7.01	-66.83	-63.93	-62.13	-55.12	-21.20	-33.92
2437MHz	Pass	2.36G	2.4G	PK	2.3892G	7.01	-45.46	-49.75	-44.09	-37.08	-21.20	-15.88
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-46.71	-47.17	-43.92	-36.91	-21.20	-15.71
2437MHz	Pass	2.4835G	2.5235G	PK	2.48406G	7.01	-44.21	-46.17	-42.07	-35.06	-21.20	-13.86
2437MHz	Pass	2.5235G	2.9G	PK	2.64502G	7.01	-63.58	-65.27	-61.33	-54.32	-21.20	-33.12
2437MHz	Pass	2.9G	7.5G	PK	4.87225G	7.01	-42.32	-44.04	-40.09	-33.08	-21.20	-11.88
2437MHz	Pass	7.5G	25G	PK	20.38438G	7.01	-50.19	-53.57	-48.55	-41.54	-21.20	-20.34
2457MHz	Pass	1G	2.36G	AV	2.26497G	7.01	-74.91	-74.37	-71.62	-64.61	-41.20	-23.41
2457MHz	Pass	2.36G	2.4G	AV	2.38984G	7.01	-59.96	-59.35	-56.63	-49.62	-41.20	-8.42
2457MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-53.14	-52.02	-49.53	-42.52	-41.20	-1.32
2457MHz	Pass	2.4835G	2.5235G	AV	2.48422G	7.01	-52.77	-50.91	-48.73	-41.72	-41.20	-0.52
2457MHz	Pass	2.5235G	2.9G	AV	2.8456G	7.01	-74.99	-70.43	-69.13	-62.12	-41.20	-20.92
2457MHz	Pass	2.9G	7.5G	AV	4.91538G	7.01	-56.55	-57.61	-54.04	-47.03	-41.20	-5.83
2457MHz	Pass	7.5G	25G	AV	19.64063G	7.01	-60.83	-60.59	-57.70	-50.69	-41.20	-9.49
2457MHz	Pass	1G	2.36G	PK	1.92242G	7.01	-60.78	-68.66	-60.12	-53.11	-21.20	-31.91
2457MHz	Pass	2.36G	2.4G	PK	2.38968G	7.01	-49.40	-51.35	-47.26	-40.25	-21.20	-19.05
2457MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-41.34	-40.77	-38.04	-31.03	-21.20	-9.83
2457MHz	Pass	2.4835G	2.5235G	PK	2.48366G	7.01	-41.20	-39.51	-37.26	-30.25	-21.20	-9.05
2457MHz	Pass	2.5235G	2.9G	PK	2.71975G	7.01	-59.46	-66.55	-58.68	-51.67	-21.20	-30.47
2457MHz	Pass	2.9G	7.5G	PK	4.9148G	7.01	-47.06	-46.66	-43.85	-36.84	-21.20	-15.64
2457MHz	Pass	7.5G	25G	PK	19.72813G	7.01	-51.73	-53.03	-49.32	-42.31	-21.20	-21.11
2462MHz	Pass	1G	2.36G	AV	2.31546G	7.01	-74.62	-74.08	-71.33	-64.32	-41.20	-23.12
2462MHz	Pass	2.36G	2.4G	AV	2.38968G	7.01	-63.12	-63.56	-60.32	-53.31	-41.20	-12.11
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-52.55	-52.71	-49.62	-42.61	-41.20	-1.41
2462MHz	Pass	2.4835G	2.5235G	AV	2.4835G	7.01	-51.70	-52.30	-48.98	-41.97	-41.20	-0.77
2462MHz	Pass	2.5235G	2.9G	AV	2.63852G	7.01	-71.50	-73.47	-69.36	-62.35	-41.20	-21.15
2462MHz	Pass	2.9G	7.5G	AV	4.92515G	7.01	-58.89	-59.70	-56.27	-49.26	-41.20	-8.06
2462MHz	Pass	7.5G	25G	AV	19.80469G	7.01	-60.38	-60.51	-57.43	-50.42	-41.20	-9.22
2462MHz	Pass	1G	2.36G	PK	2.2852G	7.01	-67.13	-64.78	-62.79	-55.78	-21.20	-34.58
2462MHz	Pass	2.36G	2.4G	PK	2.38984G	7.01	-53.82	-55.16	-51.43	-44.42	-21.20	-23.22
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-41.47	-43.01	-39.16	-32.15	-21.20	-10.95
2462MHz	Pass	2.4835G	2.5235G	PK	2.48358G	7.01	-39.96	-41.64	-37.71	-30.70	-21.20	-9.50
2462MHz	Pass	2.5235G	2.9G	PK	2.59993G	7.01	-64.13	-64.68	-61.39	-54.38	-21.20	-33.18
2462MHz	Pass	2.9G	7.5G	PK	4.92458G	7.01	-48.30	-52.59	-46.93	-39.92	-21.20	-18.72
2462MHz	Pass	7.5G	25G	PK	19.65813G	7.01	-50.55	-54.20	-48.99	-41.98	-21.20	-20.78
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	1.75395G	7.01	-76.82	-58.90	-58.83	-51.82	-41.20	-10.62
2412MHz	Pass	2.36G	2.4G	AV	2.39G	7.01	-52.76	-50.43	-48.43	-41.42	-41.20	-0.22
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-62.85	-62.20	-59.50	-52.49	-41.20	-11.29
2412MHz	Pass	2.4835G	2.5235G	AV	2.4835G	7.01	-62.25	-61.56	-58.88	-51.87	-41.20	-10.67
2412MHz	Pass	2.5235G	2.9G	AV	2.52397G	7.01	-71.39	-74.32	-69.60	-62.59	-41.20	-21.39
2412MHz	Pass	2.9G	7.5G	AV	4.82165G	7.01	-63.01	-63.80	-60.38	-53.37	-41.20	-12.17
2412MHz	Pass	7.5G	25G	AV	20.14813G	7.01	-60.31	-60.81	-57.54	-50.53	-41.20	-9.33
2412MHz	Pass	1G	2.36G	PK	2.29744G	7.01	-65.21	-64.90	-62.04	-55.03	-21.20	-33.83
2412MHz	Pass	2.36G	2.4G	PK	2.38936G	7.01	-42.82	-39.30	-37.70	-30.69	-21.20	-9.49
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-54.82	-54.09	-51.43	-44.42	-21.20	-23.22
2412MHz	Pass	2.4835G	2.5235G	PK	2.48366G	7.01	-52.23	-52.90	-49.54	-42.53	-21.20	-21.33
2412MHz	Pass	2.5235G	2.9G	PK	2.57753G	7.01	-63.58	-63.48	-60.52	-53.51	-21.20	-32.31
2412MHz	Pass	2.9G	7.5G	PK	4.82395G	7.01	-55.38	-50.91	-49.58	-42.57	-21.20	-21.37
2412MHz	Pass	7.5G	25G	PK	19.39125G	7.01	-51.82	-51.18	-48.48	-41.47	-21.20	-20.27
2417MHz	Pass	1G	2.36G	AV	1.8228G	7.01	-70.46	-75.54	-69.29	-62.28	-41.20	-21.08
2417MHz	Pass	2.36G	2.4G	AV	2.39G	7.01	-52.61	-51.64	-49.09	-42.08	-41.20	-0.88
2417MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-59.07	-58.16	-55.58	-48.57	-41.20	-7.37
2417MHz	Pass	2.4835G	2.5235G	AV	2.48382G	7.01	-59.34	-57.80	-55.49	-48.48	-41.20	-7.28
2417MHz	Pass	2.5235G	2.9G	AV	2.7895G	7.01	-73.94	-72.26	-70.01	-63.00	-41.20	-21.80
2417MHz	Pass	2.9G	7.5G	AV	4.83028G	7.01	-60.64	-62.46	-58.45	-51.44	-41.20	-10.24
2417MHz	Pass	7.5G	25G	AV	19.63406G	7.01	-60.87	-60.39	-57.61	-50.60	-41.20	-9.40
2417MHz	Pass	1G	2.36G	PK	2.27619G	7.01	-65.61	-66.13	-62.85	-55.84	-21.20	-34.64
2417MHz	Pass	2.36G	2.4G	PK	2.38912G	7.01	-44.15	-39.21	-38.00	-30.99	-21.20	-9.79
2417MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-51.30	-49.73	-47.43	-40.42	-21.20	-19.22

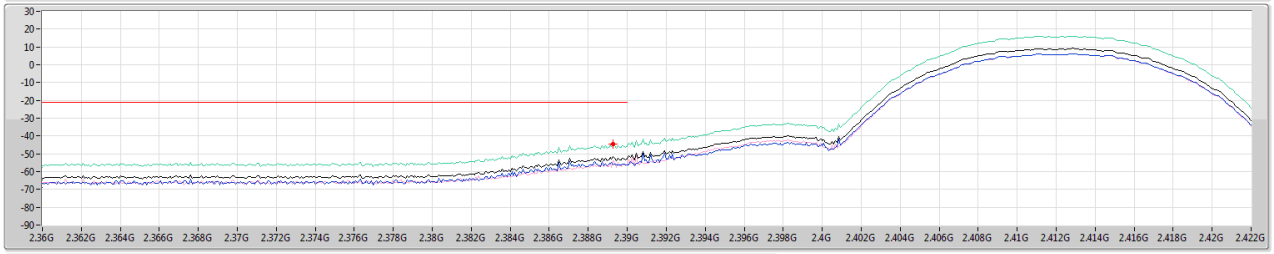
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2417MHz	Pass	2.4835G	2.5235G	PK	2.48526G	7.01	-48.69	-48.83	-45.75	-38.74	-21.20	-17.54
2417MHz	Pass	2.5235G	2.9G	PK	2.69198G	7.01	-62.18	-65.34	-60.47	-53.46	-21.20	-32.26
2417MHz	Pass	2.9G	7.5G	PK	4.83373G	7.01	-51.23	-50.71	-47.95	-40.94	-21.20	-19.74
2417MHz	Pass	7.5G	25G	PK	19.38688G	7.01	-53.05	-52.41	-49.71	-42.70	-21.20	-21.50
2437MHz	Pass	1G	2.36G	AV	2.31529G	7.01	-74.26	-73.91	-71.07	-64.06	-41.20	-22.86
2437MHz	Pass	2.36G	2.4G	AV	2.38968G	7.01	-56.68	-57.37	-54.00	-46.99	-41.20	-5.79
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-55.77	-56.26	-53.00	-45.99	-41.20	-4.79
2437MHz	Pass	2.4835G	2.5235G	AV	2.48366G	7.01	-55.23	-55.36	-52.28	-45.27	-41.20	-4.07
2437MHz	Pass	2.5235G	2.9G	AV	2.67438G	7.01	-72.98	-73.70	-70.31	-63.30	-41.20	-22.10
2437MHz	Pass	2.9G	7.5G	AV	4.87455G	7.01	-51.35	-51.83	-48.57	-41.56	-41.20	-0.36
2437MHz	Pass	7.5G	25G	AV	20.13719G	7.01	-60.71	-60.71	-57.70	-50.69	-41.20	-9.49
2437MHz	Pass	1G	2.36G	PK	2.32396G	7.01	-64.06	-65.66	-61.78	-54.77	-21.20	-33.57
2437MHz	Pass	2.36G	2.4G	PK	2.38976G	7.01	-44.14	-48.05	-42.66	-35.65	-21.20	-14.45
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-44.69	-46.86	-42.63	-35.62	-21.20	-14.42
2437MHz	Pass	2.4835G	2.5235G	PK	2.48366G	7.01	-43.17	-45.60	-41.21	-34.20	-21.20	-13.00
2437MHz	Pass	2.5235G	2.9G	PK	2.62836G	7.01	-64.37	-64.57	-61.46	-54.45	-21.20	-33.25
2437MHz	Pass	2.9G	7.5G	PK	4.87628G	7.01	-41.92	-44.24	-39.92	-32.91	-21.20	-11.71
2437MHz	Pass	7.5G	25G	PK	19.41969G	7.01	-52.99	-51.81	-49.35	-42.34	-21.20	-21.14
2457MHz	Pass	1G	2.36G	AV	2.28316G	7.01	-74.91	-74.19	-71.52	-64.51	-41.20	-23.31
2457MHz	Pass	2.36G	2.4G	AV	2.39G	7.01	-60.50	-59.13	-56.75	-49.74	-41.20	-8.54
2457MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-53.05	-51.63	-49.27	-42.26	-41.20	-1.06
2457MHz	Pass	2.4835G	2.5235G	AV	2.4835G	7.01	-52.27	-51.00	-48.58	-41.57	-41.20	-0.37
2457MHz	Pass	2.5235G	2.9G	AV	2.68427G	7.01	-72.87	-74.15	-70.45	-63.44	-41.20	-22.24
2457MHz	Pass	2.9G	7.5G	AV	4.9125G	7.01	-58.05	-58.23	-55.13	-48.12	-41.20	-6.92
2457MHz	Pass	7.5G	25G	AV	19.64063G	7.01	-60.59	-60.95	-57.76	-50.75	-41.20	-9.55
2457MHz	Pass	1G	2.36G	PK	2.33348G	7.01	-65.00	-66.66	-62.74	-55.73	-21.20	-34.53
2457MHz	Pass	2.36G	2.4G	PK	2.39G	7.01	-51.97	-49.26	-47.40	-40.39	-21.20	-19.19
2457MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-40.32	-39.97	-37.13	-30.12	-21.20	-8.92
2457MHz	Pass	2.4835G	2.5235G	PK	2.48438G	7.01	-40.94	-39.68	-37.25	-30.24	-21.20	-9.04
2457MHz	Pass	2.5235G	2.9G	PK	2.68041G	7.01	-64.04	-63.51	-60.76	-53.75	-21.20	-32.55
2457MHz	Pass	2.9G	7.5G	PK	4.90963G	7.01	-49.05	-49.30	-46.16	-39.15	-21.20	-17.95
2457MHz	Pass	7.5G	25G	PK	19.66469G	7.01	-53.13	-51.85	-49.43	-42.42	-21.20	-21.22
2462MHz	Pass	1G	2.36G	AV	2.23794G	7.01	-72.13	-75.78	-70.57	-63.56	-41.20	-22.36
2462MHz	Pass	2.36G	2.4G	AV	2.39G	7.01	-62.75	-63.61	-60.15	-53.14	-41.20	-11.94
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-51.03	-52.90	-48.85	-41.84	-41.20	-0.64
2462MHz	Pass	2.4835G	2.5235G	AV	2.48358G	7.01	-50.99	-52.21	-48.55	-41.54	-41.20	-0.34
2462MHz	Pass	2.5235G	2.9G	AV	2.66732G	7.01	-72.93	-73.10	-70.00	-62.99	-41.20	-21.79
2462MHz	Pass	2.9G	7.5G	AV	4.92458G	7.01	-60.42	-61.67	-57.99	-50.98	-41.20	-9.78
2462MHz	Pass	7.5G	25G	AV	19.63844G	7.01	-60.48	-60.72	-57.59	-50.58	-41.20	-9.38
2462MHz	Pass	1G	2.36G	PK	2.3209G	7.01	-65.85	-65.14	-62.47	-55.46	-21.20	-34.26
2462MHz	Pass	2.36G	2.4G	PK	2.38992G	7.01	-54.20	-54.81	-51.48	-44.47	-21.20	-23.27
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-40.46	-43.09	-38.57	-31.56	-21.20	-10.36
2462MHz	Pass	2.4835G	2.5235G	PK	2.48406G	7.01	-41.35	-40.80	-38.06	-31.05	-21.20	-9.85
2462MHz	Pass	2.5235G	2.9G	PK	2.70996G	7.01	-66.69	-45.98	-45.94	-38.93	-21.20	-17.73
2462MHz	Pass	2.9G	7.5G	PK	4.91883G	7.01	-50.10	-51.90	-47.90	-40.89	-21.20	-19.69
2462MHz	Pass	7.5G	25G	PK	19.65813G	7.01	-53.17	-51.76	-49.40	-42.39	-21.20	-21.19

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11b_Nss1,(1Mbps)_2TX **CSE [PK]**

2412MHz

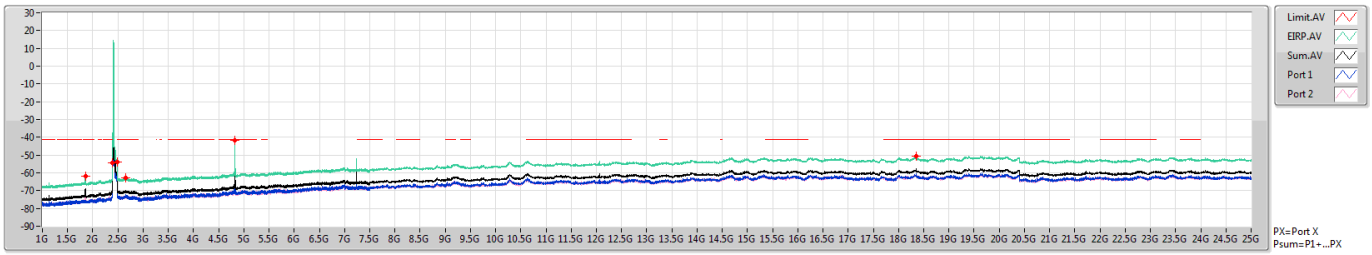


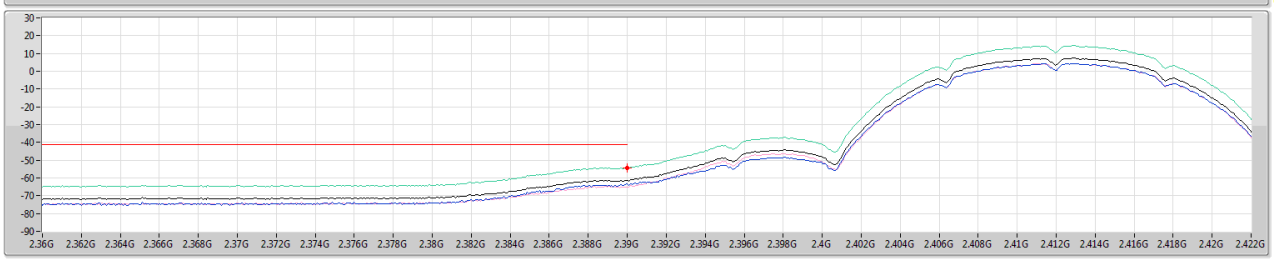


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.33195G	-56.12	-21.20	-34.92	7.01	0.00	-63.13	-67.91	-64.88
2.36G	2.4G	1M	PK	2.38928G	-44.59	-21.20	-23.39	7.01	0.00	-51.60	-56.10	-53.50
2.4G	2.4835G	1M	PK	2.4835G	-45.54	-21.20	-24.34	7.01	0.00	-52.55	-56.21	-55.00
2.4835G	2.5235G	1M	PK	2.4843G	-44.99	-21.20	-23.79	7.01	0.00	-52.00	-55.04	-54.98
2.5235G	2.9G	1M	PK	2.65G	-53.34	-21.20	-32.14	7.01	0.00	-60.35	-63.11	-63.63
2.9G	7.5G	1M	PK	4.82395G	-40.19	-21.20	-18.99	7.01	0.00	-47.20	-49.69	-50.81
7.5G	25G	1M	PK	20.14594G	-41.85	-21.20	-20.65	7.01	0.00	-48.86	-52.52	-51.31

802.11b_Nss1,(1Mbps)_2TX **CSE [AV]**

2412MHz

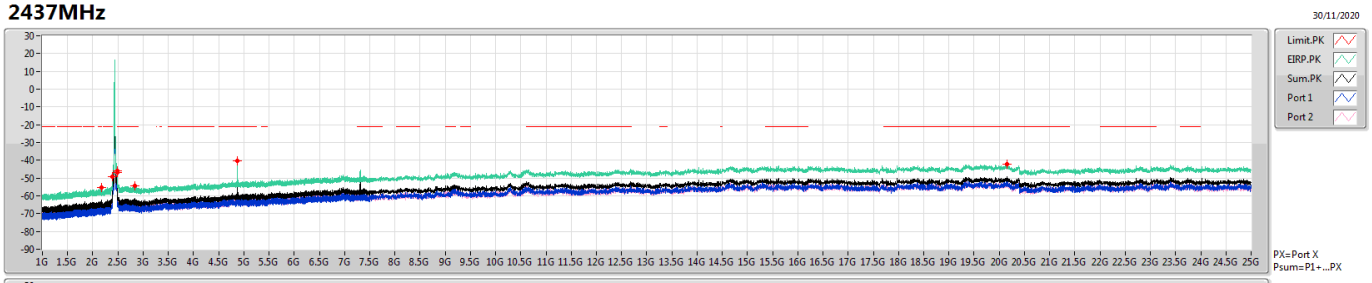


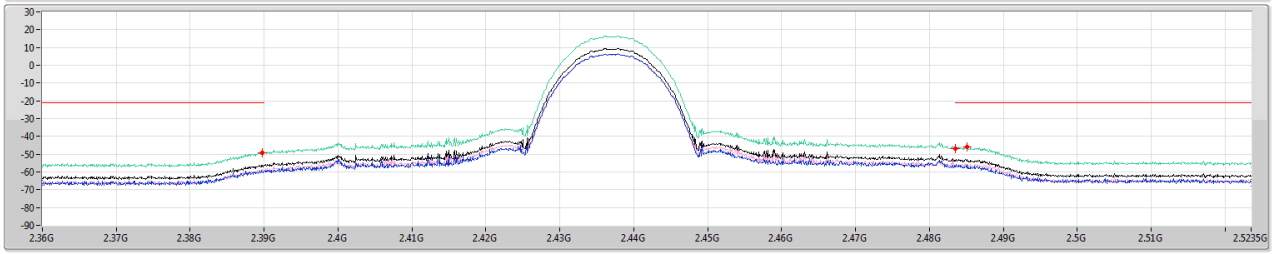


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.86258G	-61.80	-41.20	-20.60	7.01	0.00	-68.81	-76.63	-69.59
2.36G	2.4G	1M	AV	2.39G	-54.22	-41.20	-13.02	7.01	0.00	-61.23	-63.41	-65.27
2.4G	2.4835G	1M	AV	2.4835G	-54.12	-41.20	-12.92	7.01	0.00	-61.13	-63.94	-64.36
2.4835G	2.5235G	1M	AV	2.48358G	-54.12	-41.20	-12.92	7.01	0.00	-61.13	-63.94	-64.36
2.5235G	2.9G	1M	AV	2.65744G	-62.94	-41.20	-21.74	7.01	0.00	-69.95	-72.71	-73.23
2.9G	7.5G	1M	AV	4.82395G	-41.77	-41.20	-0.57	7.01	0.00	-48.78	-51.23	-52.44
7.5G	25G	1M	AV	18.34563G	-50.68	-41.20	-9.48	7.01	0.00	-57.69	-60.70	-60.70

802.11b_Nss1,(1Mbps)_2TX **CSE [PK]**

2437MHz

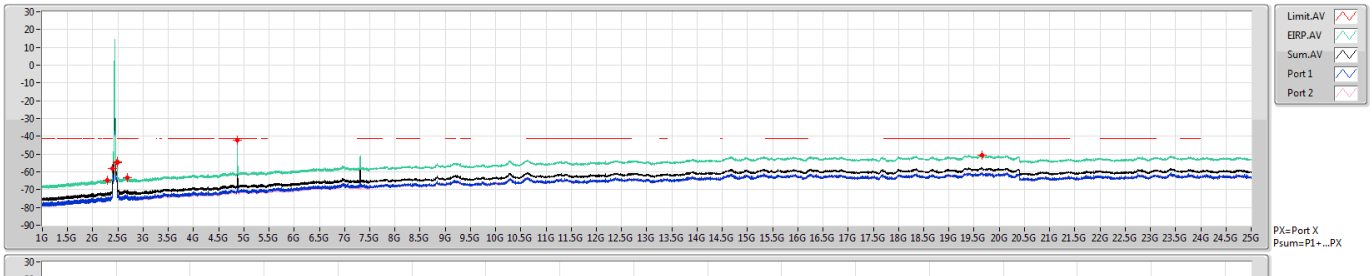


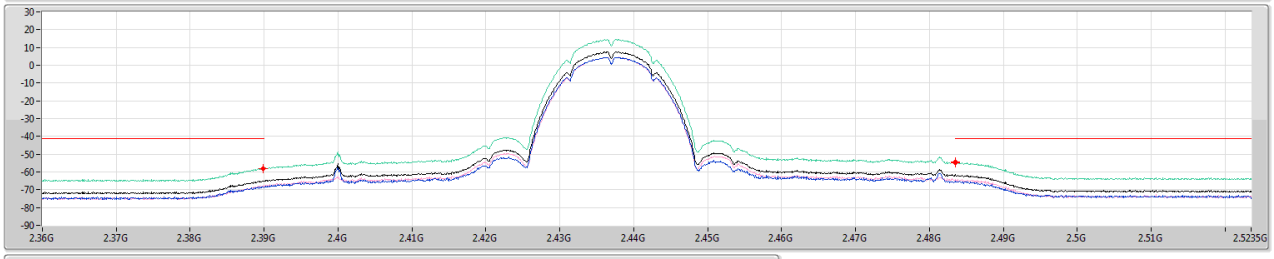


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.16994G	-55.40	-21.20	-34.20	7.01	0.00	-62.41	-65.54	-65.30
2.36G	2.4G	1M	PK	2.38976G	-49.10	-21.20	-27.90	7.01	0.00	-56.11	-59.92	-58.44
2.4G	2.4835G	1M	PK	2.4835G	-46.69	-21.20	-25.49	7.01	0.00	-53.70	-56.83	-56.60
2.4835G	2.5235G	1M	PK	2.4851G	-45.96	-21.20	-24.76	7.01	0.00	-52.97	-56.01	-55.96
2.5235G	2.9G	1M	PK	2.83411G	-54.52	-21.20	-33.32	7.01	0.00	-61.53	-62.92	-67.17
2.9G	7.5G	1M	PK	4.87398G	-40.20	-21.20	-19.00	7.01	0.00	-47.21	-49.91	-50.55
7.5G	25G	1M	PK	20.14813G	-42.41	-21.20	-21.21	7.01	0.00	-49.42	-50.97	-54.64

802.11b_Nss1,(1Mbps)_2TX **CSE [AV]**

2437MHz

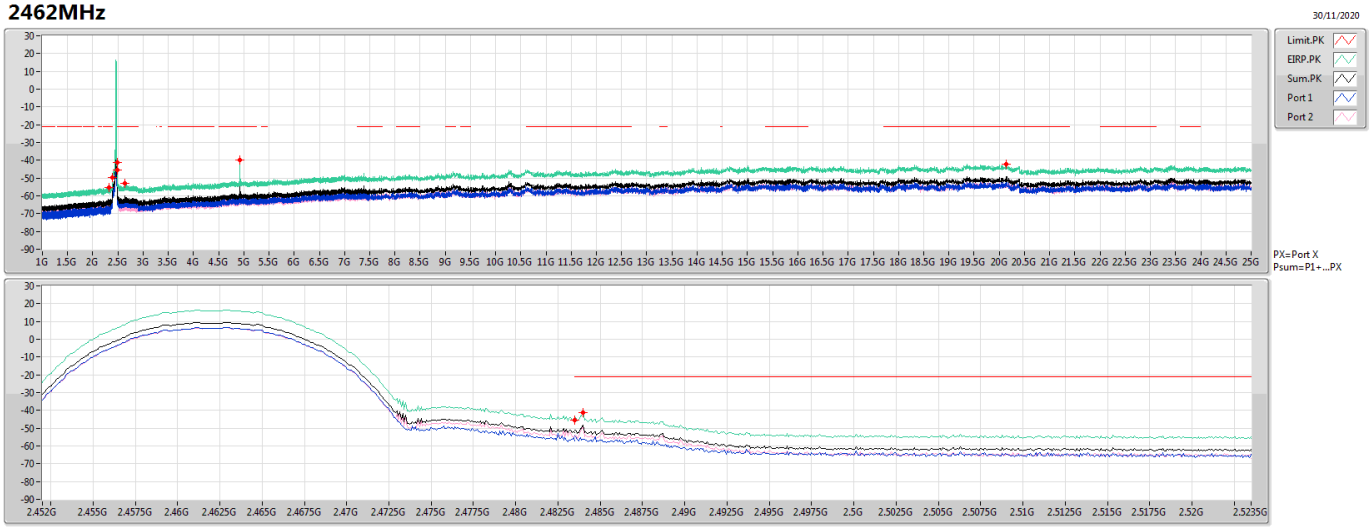




F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.28673G	-64.59	-41.20	-23.39	7.01	0.00	-71.60	-74.52	-74.71
2.36G	2.4G	1M	AV	2.38984G	-58.13	-41.20	-16.93	7.01	0.00	-65.14	-68.32	-67.98
2.4G	2.4835G	1M	AV	2.4835G	-55.07	-41.20	-13.87	7.01	0.00	-62.08	-65.40	-64.80
2.4835G	2.5235G	1M	AV	2.4835G	-54.56	-41.20	-13.36	7.01	0.00	-61.57	-65.26	-64.00
2.5235G	2.9G	1M	AV	2.69142G	-63.31	-41.20	-22.11	7.01	0.00	-70.32	-72.45	-74.43
2.9G	7.5G	1M	AV	4.87398G	-42.39	-41.20	-1.19	7.01	0.00	-49.40	-51.59	-53.43
7.5G	25G	1M	AV	19.65156G	-50.56	-41.20	-9.36	7.01	0.00	-57.57	-60.76	-60.40

802.11b_Nss1,(1Mbps)_2TX **CSE [PK]**

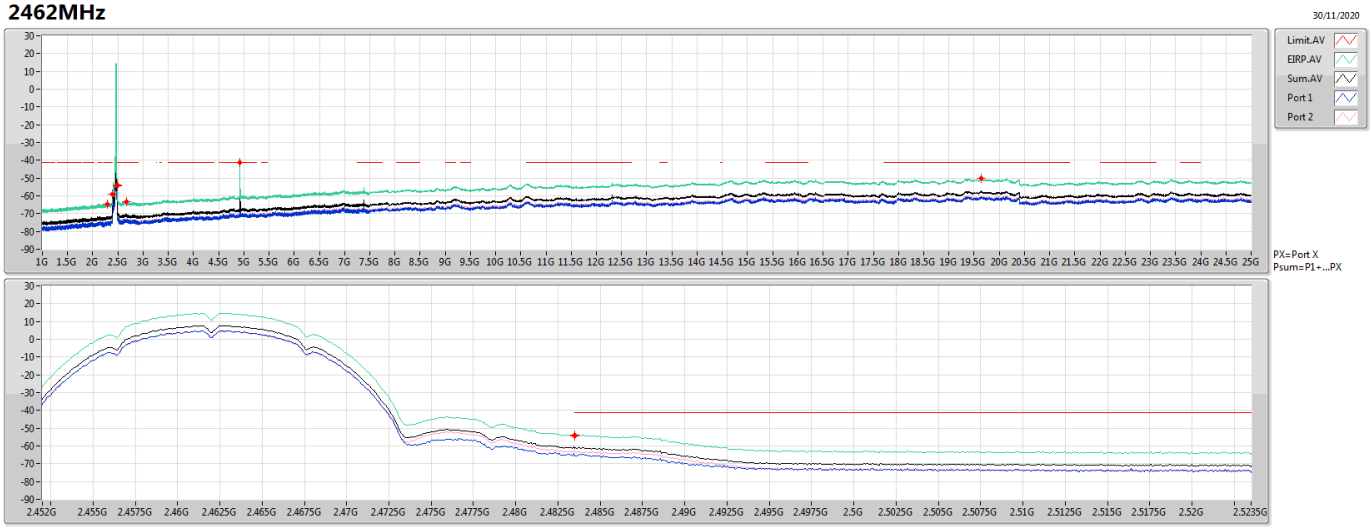
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.32379G	-55.39	-21.20	-34.19	7.01	0.00	-62.40	-67.39	-64.06
2.36G	2.4G	1M	PK	2.38992G	-49.78	-21.20	-28.58	7.01	0.00	-56.79	-62.30	-58.22
2.4G	2.4835G	1M	PK	2.4835G	-45.57	-21.20	-24.37	7.01	0.00	-52.58	-57.06	-54.50
2.4835G	2.5235G	1M	PK	2.48398G	-41.06	-21.20	-19.86	7.01	0.00	-48.07	-56.32	-48.77
2.5235G	2.9G	1M	PK	2.63833G	-52.76	-21.20	-31.56	7.01	0.00	-59.77	-61.06	-65.66
2.9G	7.5G	1M	PK	4.924G	-39.99	-21.20	-18.79	7.01	0.00	-47.00	-49.63	-50.43
7.5G	25G	1M	PK	20.13719G	-42.05	-21.20	-20.85	7.01	0.00	-49.06	-52.73	-51.50

802.11b_Nss1,(1Mbps)_2TX **CSE [AV]**

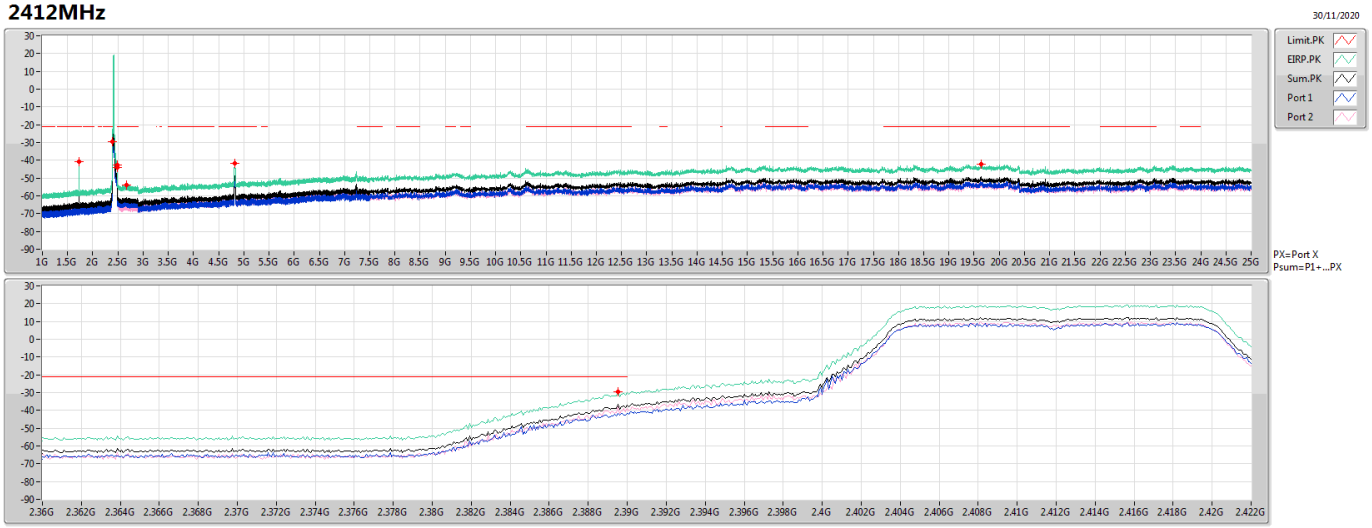
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.29336G	-64.66	-41.20	-23.46	7.01	0.00	-71.67	-74.68	-74.68
2.36G	2.4G	1M	AV	2.3896G	-59.16	-41.20	-17.96	7.01	0.00	-66.17	-70.37	-68.24
2.4G	2.4835G	1M	AV	2.4835G	-54.40	-41.20	-13.20	7.01	0.00	-61.41	-65.61	-63.49
2.4835G	2.5235G	1M	AV	2.4835G	-53.88	-41.20	-12.68	7.01	0.00	-60.89	-65.47	-62.75
2.5235G	2.9G	1M	AV	2.67194G	-63.29	-41.20	-22.09	7.01	0.00	-70.30	-73.50	-73.13
2.9G	7.5G	1M	AV	4.924G	-41.37	-41.20	-0.17	7.01	0.00	-48.38	-50.85	-52.00
7.5G	25G	1M	AV	19.63625G	-50.39	-41.20	-9.19	7.01	0.00	-57.40	-61.10	-59.82

802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

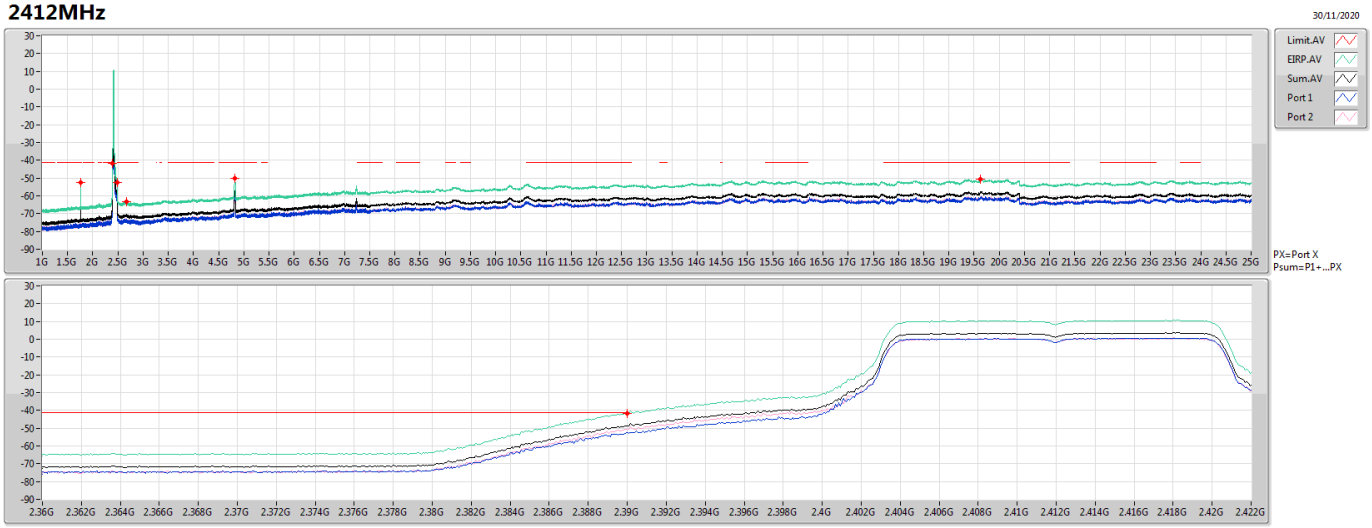
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	1.72403G	-40.72	-21.20	-19.52	7.01	0.00	-47.73	-67.64	-47.77
2.36G	2.4G	1M	PK	2.38952G	-29.55	-21.20	-8.35	7.01	0.00	-36.56	-41.67	-38.16
2.4G	2.4835G	1M	PK	2.4835G	-44.14	-21.20	-22.94	7.01	0.00	-51.15	-54.38	-53.95
2.4835G	2.5235G	1M	PK	2.48422G	-42.87	-21.20	-21.67	7.01	0.00	-49.88	-53.30	-52.52
2.5235G	2.9G	1M	PK	2.67278G	-54.04	-21.20	-32.84	7.01	0.00	-61.05	-64.00	-64.12
2.9G	7.5G	1M	PK	4.82165G	-41.82	-21.20	-20.62	7.01	0.00	-48.83	-50.20	-54.49
7.5G	25G	1M	PK	19.64281G	-42.38	-21.20	-21.18	7.01	0.00	-49.39	-52.97	-51.90

802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

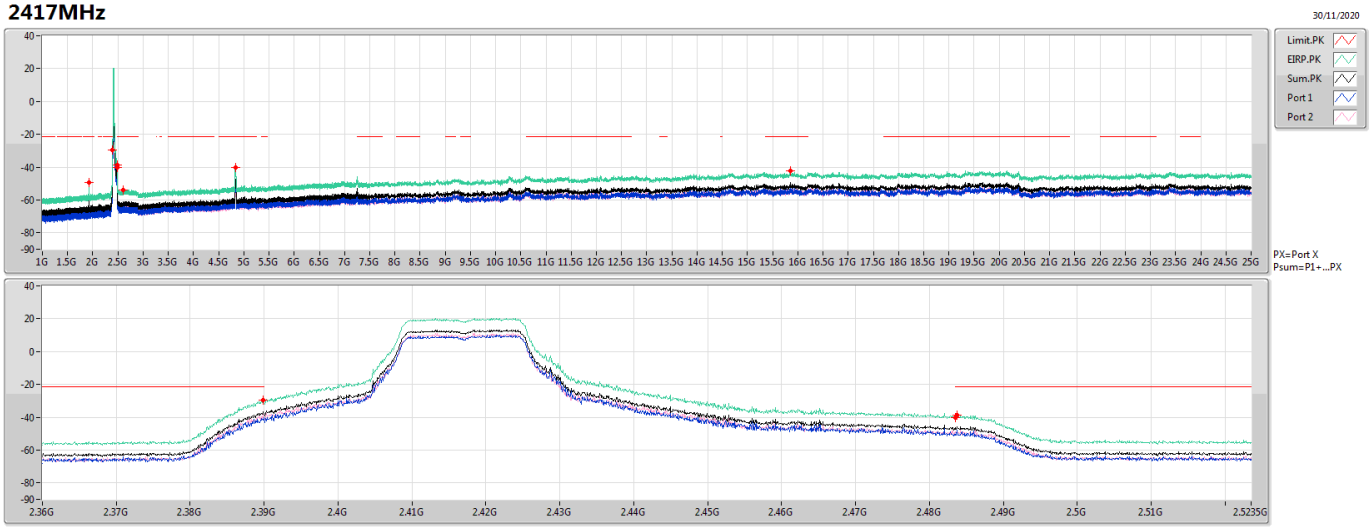
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.75378G	-52.32	-41.20	-11.12	7.01	0.00	-59.33	-77.02	-59.40
2.36G	2.4G	1M	AV	2.39G	-41.71	-41.20	-0.51	7.01	0.00	-48.72	-52.31	-51.22
2.4G	2.4835G	1M	AV	2.4835G	-52.45	-41.20	-11.25	7.01	0.00	-59.46	-62.50	-62.45
2.4835G	2.5235G	1M	AV	2.48518G	-52.27	-41.20	-11.07	7.01	0.00	-59.28	-62.59	-62.01
2.5235G	2.9G	1M	AV	2.66384G	-63.51	-41.20	-22.31	7.01	0.00	-70.52	-73.62	-73.44
2.9G	7.5G	1M	AV	4.82108G	-50.20	-41.20	-9.00	7.01	0.00	-57.21	-59.21	-61.55
7.5G	25G	1M	AV	19.61875G	-50.70	-41.20	-9.50	7.01	0.00	-57.71	-60.96	-60.49

802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

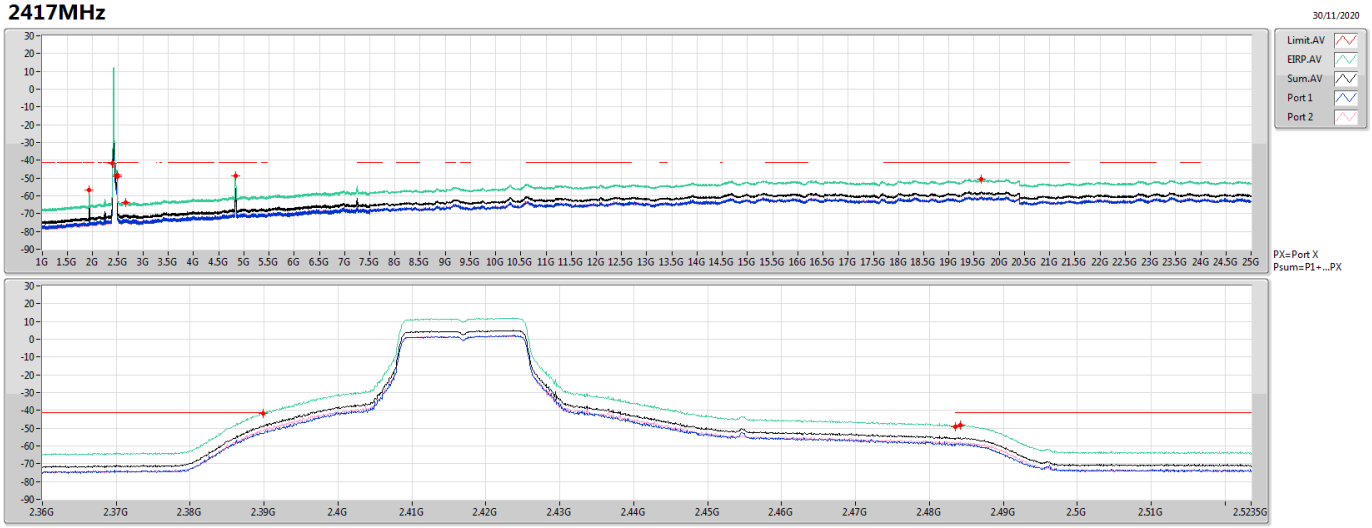
2417MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	1.92514G	-49.31	-21.20	-28.11	7.01	0.00	-56.32	-68.24	-56.61
2.36G	2.4G	1M	PK	2.38984G	-29.55	-21.20	-8.35	7.01	0.00	-36.56	-41.60	-38.19
2.4G	2.4835G	1M	PK	2.4835G	-40.12	-21.20	-18.92	7.01	0.00	-47.13	-50.88	-49.51
2.4835G	2.5235G	1M	PK	2.48374G	-38.57	-21.20	-17.37	7.01	0.00	-45.58	-47.98	-49.29
2.5235G	2.9G	1M	PK	2.60962G	-53.88	-21.20	-32.68	7.01	0.00	-60.89	-63.59	-64.23
2.9G	7.5G	1M	PK	4.83085G	-40.48	-21.20	-19.28	7.01	0.00	-47.49	-48.87	-53.13
7.5G	25G	1M	PK	15.84969G	-42.45	-21.20	-21.25	7.01	0.00	-49.46	-52.49	-52.45

802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

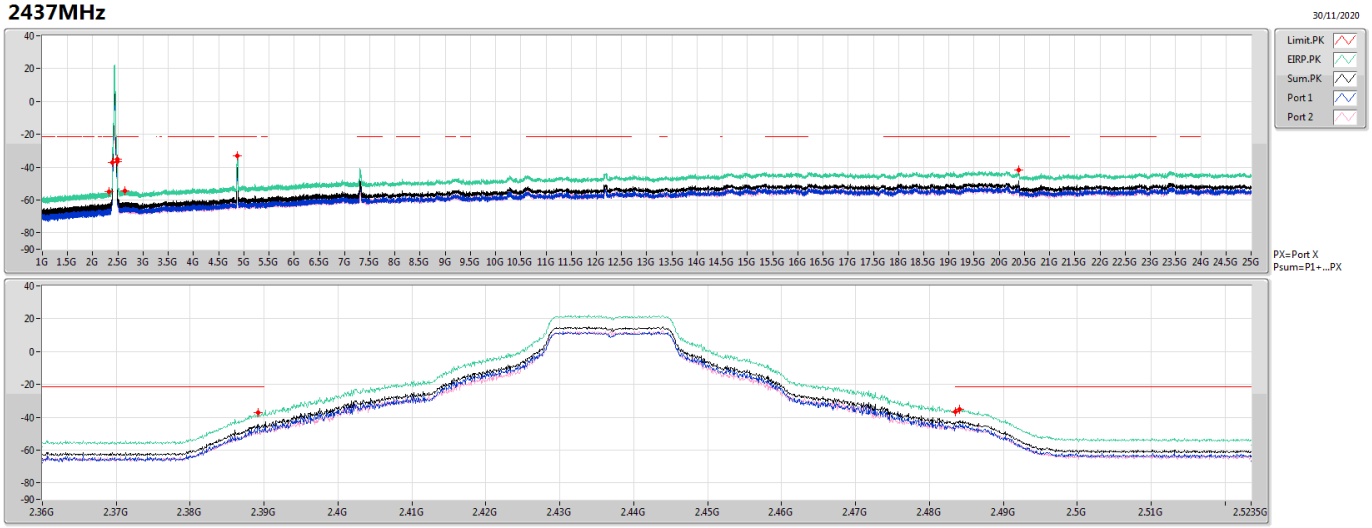
2417MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.93347G	-56.85	-41.20	-15.65	7.01	0.00	-63.86	-71.32	-64.72
2.36G	2.4G	1M	AV	2.38984G	-41.70	-41.20	-0.50	7.01	0.00	-48.71	-52.77	-50.88
2.4G	2.4835G	1M	AV	2.4835G	-49.03	-41.20	-7.83	7.01	0.00	-56.04	-59.73	-58.46
2.4835G	2.5235G	1M	AV	2.48422G	-48.25	-41.20	-7.05	7.01	0.00	-55.26	-58.94	-57.69
2.5235G	2.9G	1M	AV	2.65631G	-63.58	-41.20	-22.38	7.01	0.00	-70.59	-73.60	-73.60
2.9G	7.5G	1M	AV	4.83373G	-48.84	-41.20	-7.64	7.01	0.00	-55.85	-57.85	-60.18
7.5G	25G	1M	AV	19.64063G	-50.57	-41.20	-9.37	7.01	0.00	-57.58	-60.47	-60.71

802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

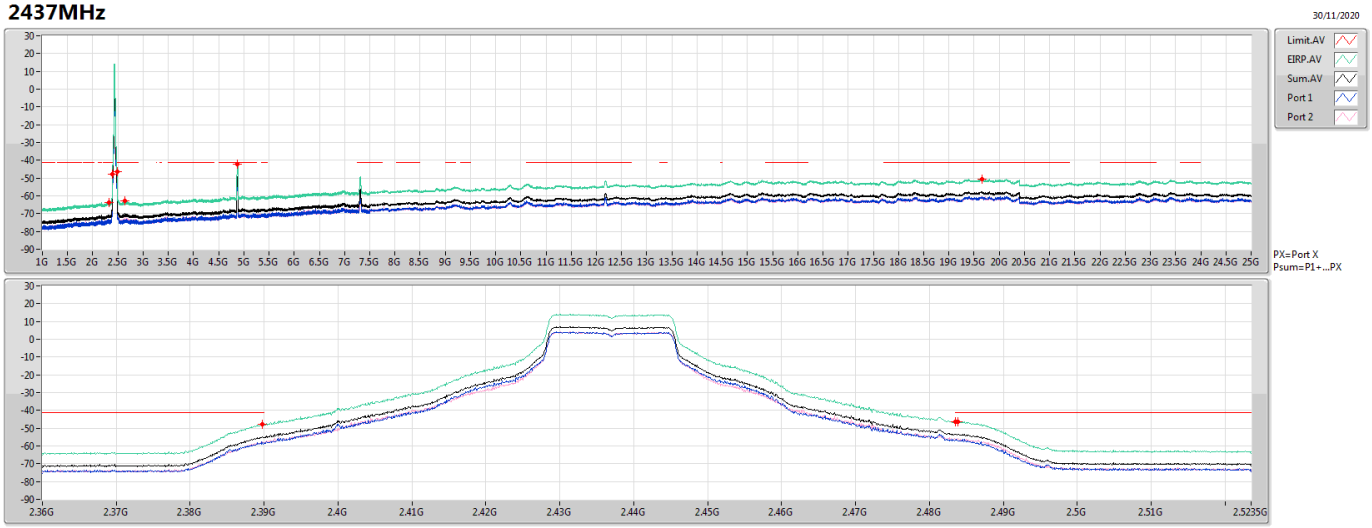
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.32005G	-55.12	-21.20	-33.92	7.01	0.00	-62.13	-66.83	-63.93
2.36G	2.4G	1M	PK	2.3892G	-37.08	-21.20	-15.88	7.01	0.00	-44.09	-45.46	-49.75
2.4G	2.4835G	1M	PK	2.4835G	-36.91	-21.20	-15.71	7.01	0.00	-43.92	-46.71	-47.17
2.4835G	2.5235G	1M	PK	2.48406G	-35.06	-21.20	-13.86	7.01	0.00	-42.07	-44.21	-46.17
2.5235G	2.9G	1M	PK	2.64502G	-54.32	-21.20	-33.12	7.01	0.00	-61.33	-63.58	-65.27
2.9G	7.5G	1M	PK	4.87225G	-33.08	-21.20	-11.88	7.01	0.00	-40.09	-42.32	-44.04
7.5G	25G	1M	PK	20.38438G	-41.54	-21.20	-20.34	7.01	0.00	-48.55	-50.19	-53.57

802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

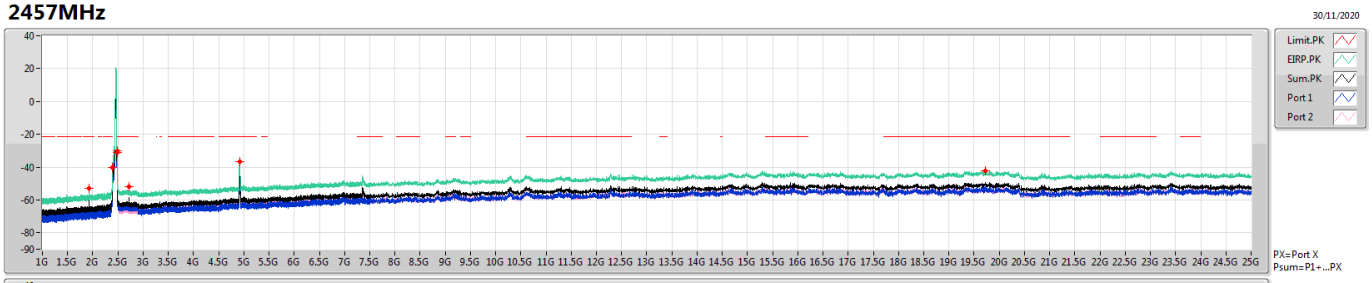
2437MHz

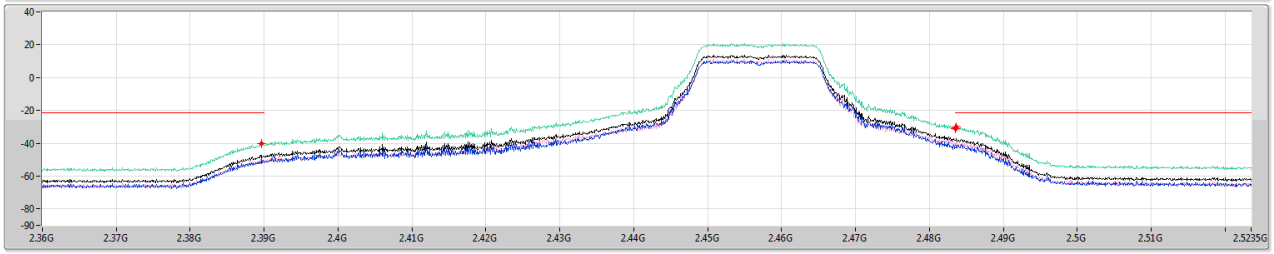


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.32328G	-63.76	-41.20	-22.56	7.01	0.00	-70.77	-73.61	-73.95
2.36G	2.4G	1M	AV	2.38976G	-47.83	-41.20	-6.63	7.01	0.00	-54.84	-58.14	-57.57
2.4G	2.4835G	1M	AV	2.4835G	-46.55	-41.20	-5.35	7.01	0.00	-53.56	-56.75	-56.40
2.4835G	2.5235G	1M	AV	2.48382G	-46.22	-41.20	-5.02	7.01	0.00	-53.23	-57.01	-55.58
2.5235G	2.9G	1M	AV	2.642G	-62.97	-41.20	-21.77	7.01	0.00	-69.98	-73.65	-72.42
2.9G	7.5G	1M	AV	4.87513G	-42.09	-41.20	-0.89	7.01	0.00	-49.10	-51.81	-52.43
7.5G	25G	1M	AV	19.64938G	-50.51	-41.20	-9.31	7.01	0.00	-57.52	-60.65	-60.42

802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

2457MHz

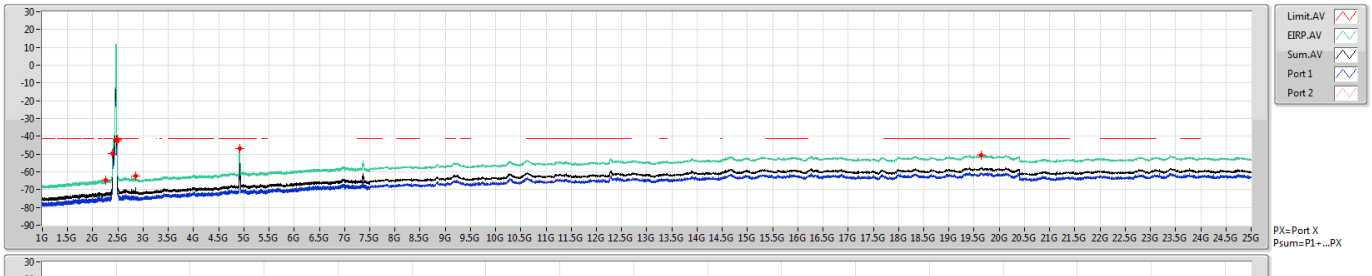


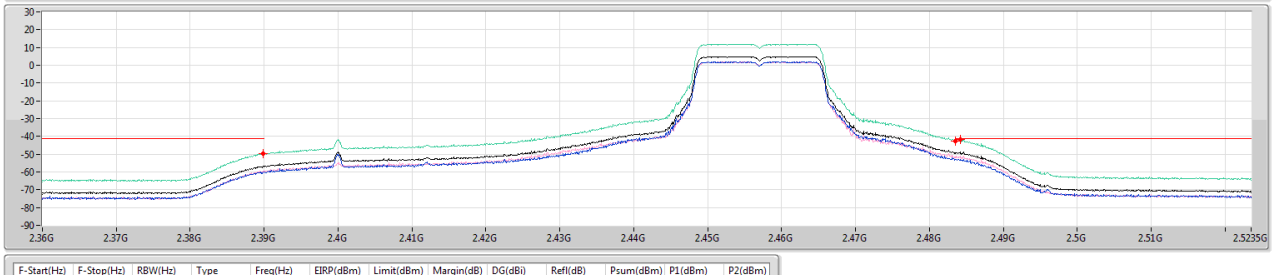


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	1.92242G	-53.11	-21.20	-31.91	7.01	0.00	-60.12	-60.78	-68.66
2.36G	2.4G	1M	PK	2.38968G	-40.25	-21.20	-19.05	7.01	0.00	-47.26	-49.40	-51.35
2.4G	2.4835G	1M	PK	2.4835G	-31.03	-21.20	-9.83	7.01	0.00	-38.04	-41.34	-40.77
2.4835G	2.5235G	1M	PK	2.48366G	-30.25	-21.20	-9.05	7.01	0.00	-37.26	-41.20	-39.51
2.5235G	2.9G	1M	PK	2.71975G	-51.67	-21.20	-30.47	7.01	0.00	-58.68	-59.46	-66.55
2.9G	7.5G	1M	PK	4.9148G	-36.84	-21.20	-15.64	7.01	0.00	-43.85	-47.06	-46.66
7.5G	25G	1M	PK	19.72813G	-42.31	-21.20	-21.11	7.01	0.00	-49.32	-51.73	-53.03

802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

2457MHz

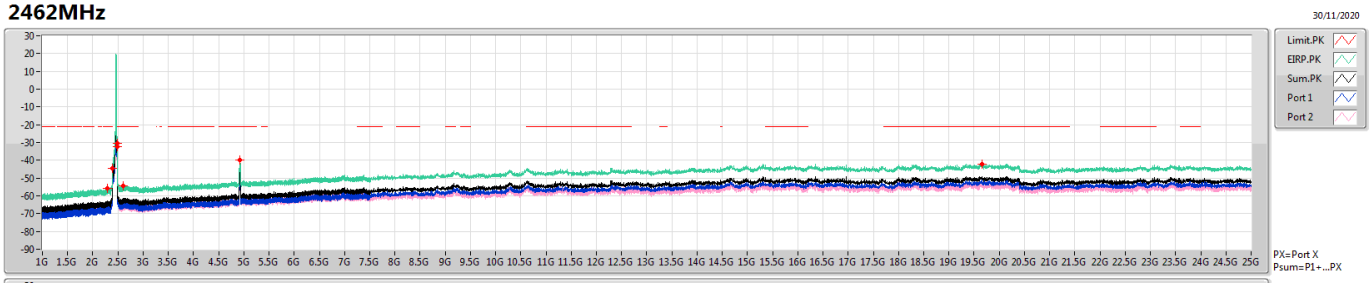


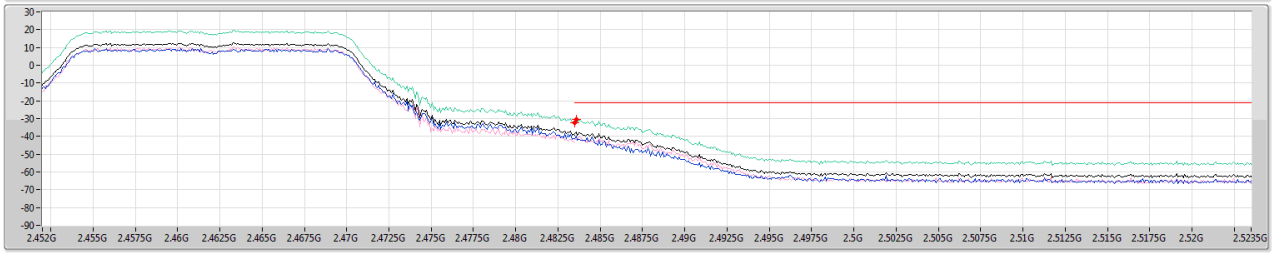


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.26497G	-64.61	-41.20	-23.41	7.01	0.00	-71.62	-74.91	-74.37
2.36G	2.4G	1M	AV	2.38984G	-49.62	-41.20	-8.42	7.01	0.00	-56.63	-59.96	-59.35
2.4G	2.4835G	1M	AV	2.4835G	-42.52	-41.20	-1.32	7.01	0.00	-49.53	-53.14	-52.02
2.4835G	2.5235G	1M	AV	2.48422G	-41.72	-41.20	-0.52	7.01	0.00	-48.73	-52.77	-50.91
2.5235G	2.9G	1M	AV	2.8456G	-62.12	-41.20	-20.92	7.01	0.00	-69.13	-74.99	-70.43
2.9G	7.5G	1M	AV	4.91538G	-47.03	-41.20	-5.83	7.01	0.00	-54.04	-56.55	-57.61
7.5G	25G	1M	AV	19.64063G	-50.69	-41.20	-9.49	7.01	0.00	-57.70	-60.83	-60.59

802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

2462MHz

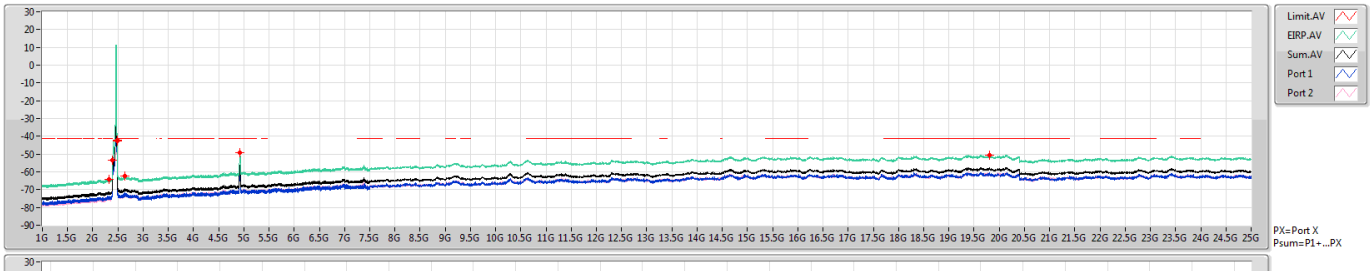


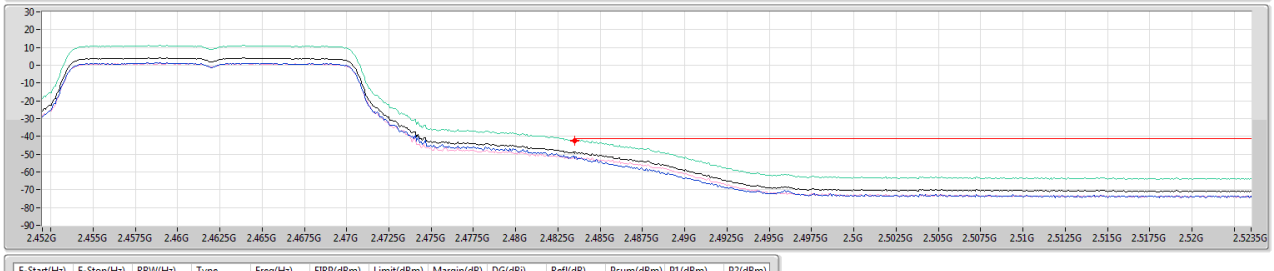


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.2852G	-55.78	-21.20	-34.58	7.01	0.00	-62.79	-67.13	-64.78
2.36G	2.4G	1M	PK	2.38984G	-44.42	-21.20	-23.22	7.01	0.00	-51.43	-53.82	-55.16
2.4G	2.4835G	1M	PK	2.4835G	-32.15	-21.20	-10.95	7.01	0.00	-39.16	-41.47	-43.01
2.4835G	2.5235G	1M	PK	2.48358G	-30.70	-21.20	-9.50	7.01	0.00	-37.71	-39.96	-41.64
2.5235G	2.9G	1M	PK	2.59993G	-54.38	-21.20	-33.18	7.01	0.00	-61.39	-64.13	-64.68
2.9G	7.5G	1M	PK	4.92458G	-39.92	-21.20	-18.72	7.01	0.00	-46.93	-48.30	-52.59
7.5G	25G	1M	PK	19.65813G	-41.98	-21.20	-20.78	7.01	0.00	-48.99	-50.55	-54.20

802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

2462MHz

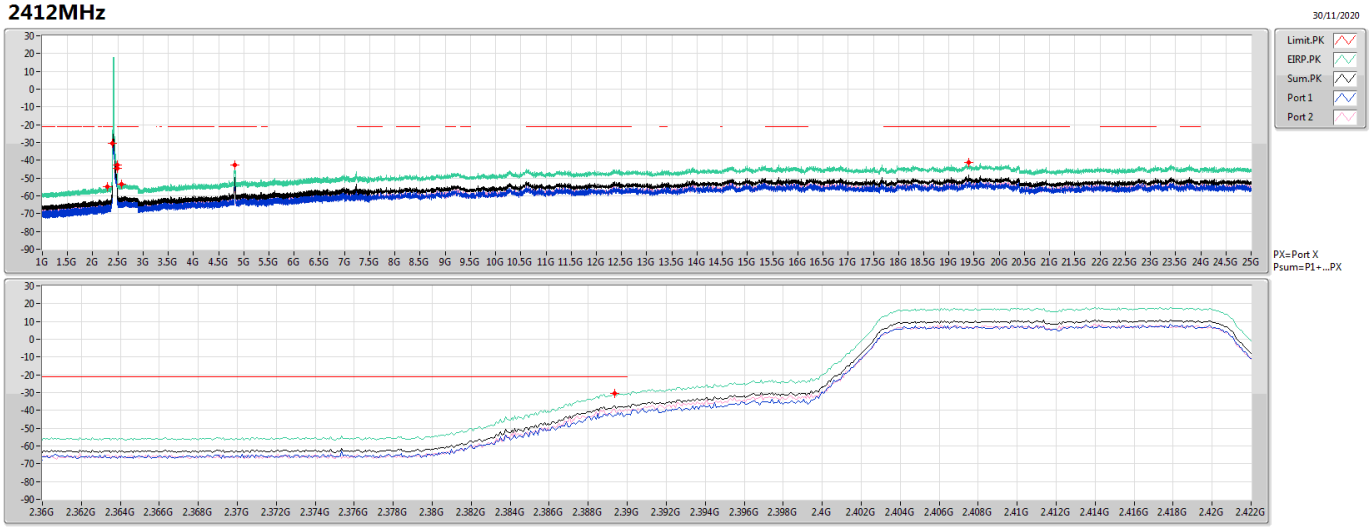




F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.31546G	-64.32	-41.20	-23.12	7.01	0.00	-71.33	-74.62	-74.08
2.36G	2.4G	1M	AV	2.38968G	-53.31	-41.20	-12.11	7.01	0.00	-60.32	-63.12	-63.56
2.4G	2.4835G	1M	AV	2.4835G	-42.61	-41.20	-1.41	7.01	0.00	-49.62	-52.55	-52.71
2.4835G	2.5235G	1M	AV	2.4835G	-41.97	-41.20	-0.77	7.01	0.00	-48.98	-51.70	-52.30
2.5235G	2.9G	1M	AV	2.63852G	-62.35	-41.20	-21.15	7.01	0.00	-69.36	-71.50	-73.47
2.9G	7.5G	1M	AV	4.92515G	-49.26	-41.20	-8.06	7.01	0.00	-56.27	-58.89	-59.70
7.5G	25G	1M	AV	19.80469G	-50.42	-41.20	-9.22	7.01	0.00	-57.43	-60.38	-60.51

802.11n HT20_Nss1,(MCS0)_2TX **CSE [PK]**

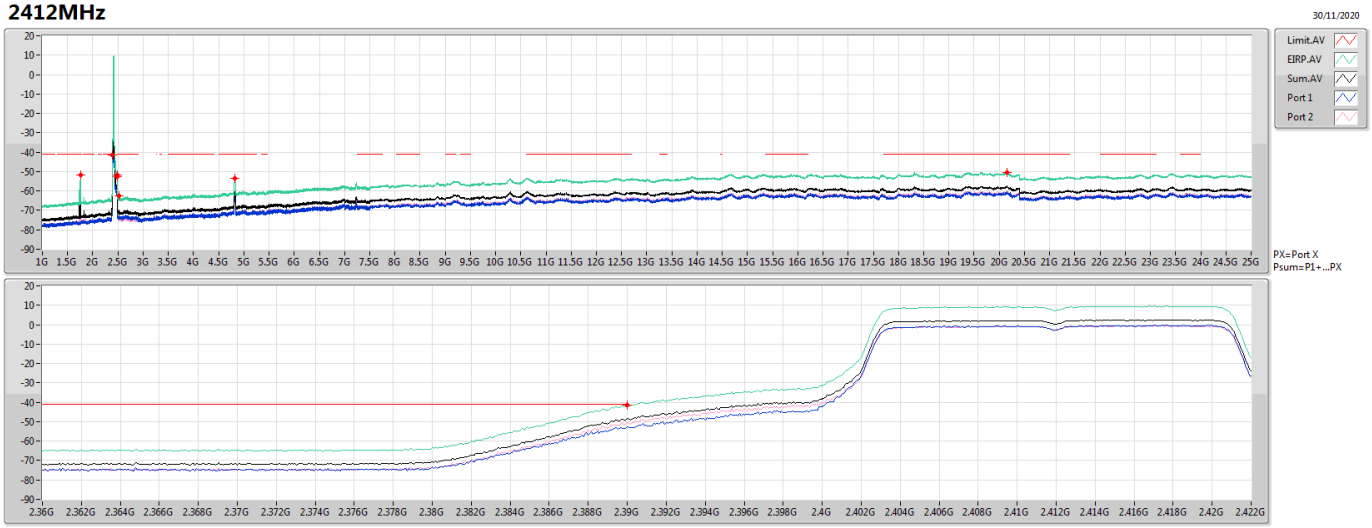
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.29744G	-55.03	-21.20	-33.83	7.01	0.00	-62.04	-65.21	-64.90
2.36G	2.4G	1M	PK	2.38936G	-30.69	-21.20	-9.49	7.01	0.00	-37.70	-42.82	-39.30
2.4G	2.4835G	1M	PK	2.4835G	-44.42	-21.20	-23.22	7.01	0.00	-51.43	-54.82	-54.09
2.4835G	2.5235G	1M	PK	2.48366G	-42.53	-21.20	-21.33	7.01	0.00	-49.54	-52.23	-52.90
2.5235G	2.9G	1M	PK	2.57753G	-53.51	-21.20	-32.31	7.01	0.00	-60.52	-63.58	-63.48
2.9G	7.5G	1M	PK	4.82395G	-42.57	-21.20	-21.37	7.01	0.00	-49.58	-55.38	-50.91
7.5G	25G	1M	PK	19.39125G	-41.47	-21.20	-20.27	7.01	0.00	-48.48	-51.82	-51.18

802.11n HT20_Nss1,(MCS0)_2TX **CSE [AV]**

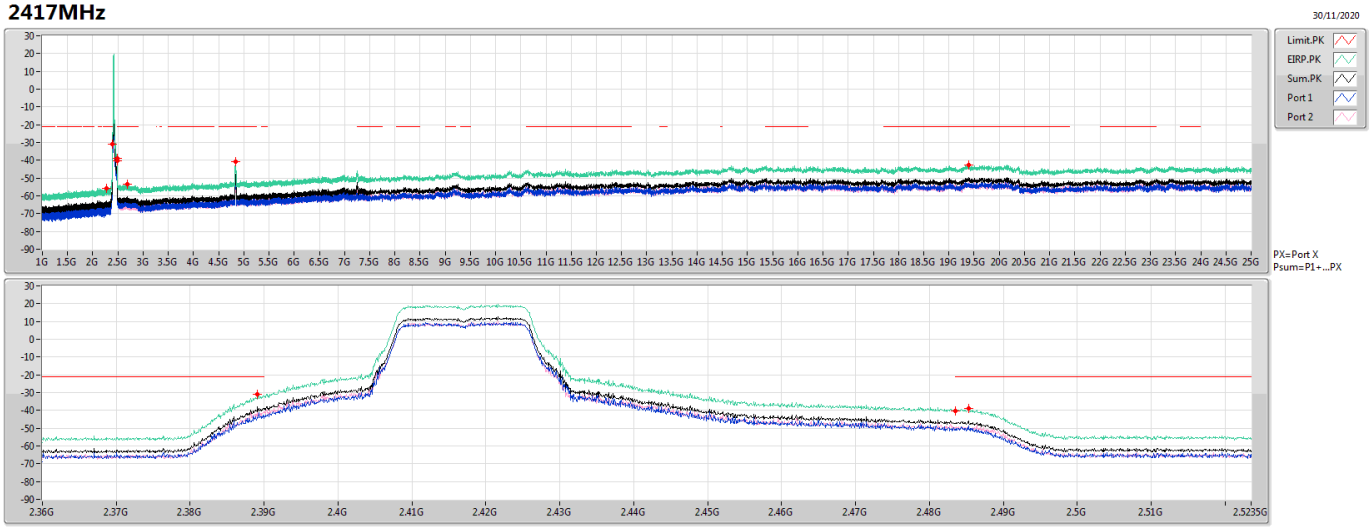
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.75395G	-51.82	-41.20	-10.62	7.01	0.00	-58.83	-76.82	-58.90
2.36G	2.4G	1M	AV	2.39G	-41.42	-41.20	-0.22	7.01	0.00	-48.43	-52.76	-50.43
2.4G	2.4835G	1M	AV	2.4835G	-52.49	-41.20	-11.29	7.01	0.00	-59.50	-62.85	-62.20
2.4835G	2.5235G	1M	AV	2.4835G	-51.87	-41.20	-10.67	7.01	0.00	-58.88	-62.25	-61.56
2.5235G	2.9G	1M	AV	2.52397G	-62.59	-41.20	-21.39	7.01	0.00	-69.60	-71.39	-74.32
2.9G	7.5G	1M	AV	4.82165G	-53.37	-41.20	-12.17	7.01	0.00	-60.38	-63.01	-63.80
7.5G	25G	1M	AV	20.14813G	-50.53	-41.20	-9.33	7.01	0.00	-57.54	-60.31	-60.81

802.11n HT20_Nss1,(MCS0)_2TX **CSE [PK]**

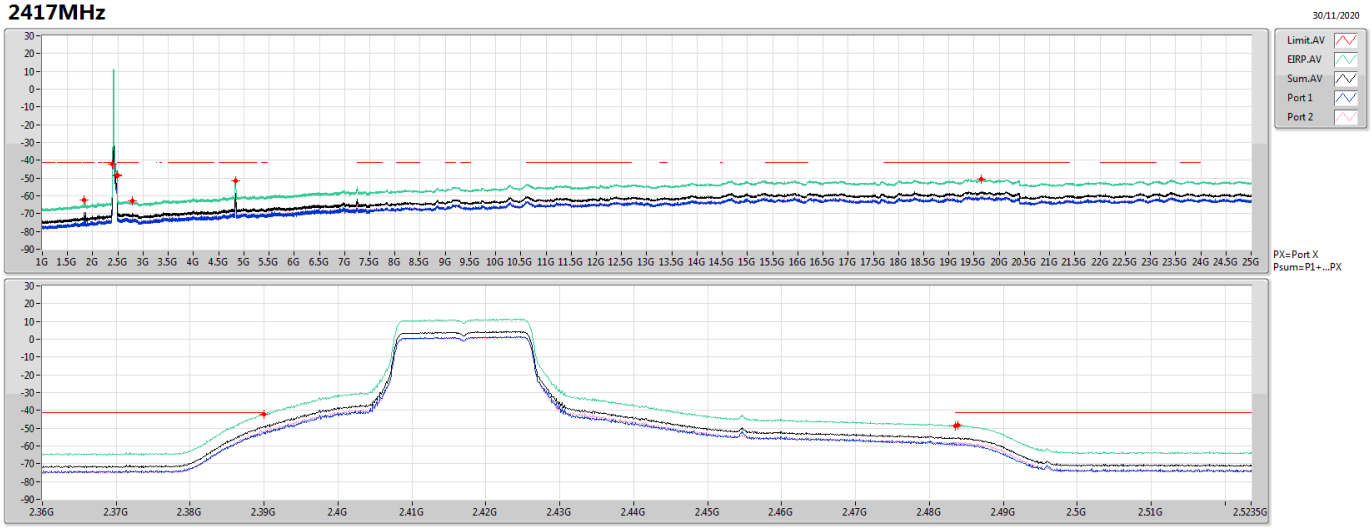
2417MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.27619G	-55.84	-21.20	-34.64	7.01	0.00	-62.85	-65.61	-66.13
2.36G	2.4G	1M	PK	2.38912G	-30.99	-21.20	-9.79	7.01	0.00	-38.00	-44.15	-39.21
2.4G	2.4835G	1M	PK	2.4835G	-40.42	-21.20	-19.22	7.01	0.00	-47.43	-51.30	-49.73
2.4835G	2.5235G	1M	PK	2.48526G	-38.74	-21.20	-17.54	7.01	0.00	-45.75	-48.69	-48.83
2.5235G	2.9G	1M	PK	2.69198G	-53.46	-21.20	-32.26	7.01	0.00	-60.47	-62.18	-65.34
2.9G	7.5G	1M	PK	4.83373G	-40.94	-21.20	-19.74	7.01	0.00	-47.95	-51.23	-50.71
7.5G	25G	1M	PK	19.38688G	-42.70	-21.20	-21.50	7.01	0.00	-49.71	-53.05	-52.41

802.11n HT20_Nss1,(MCS0)_2TX **CSE [AV]**

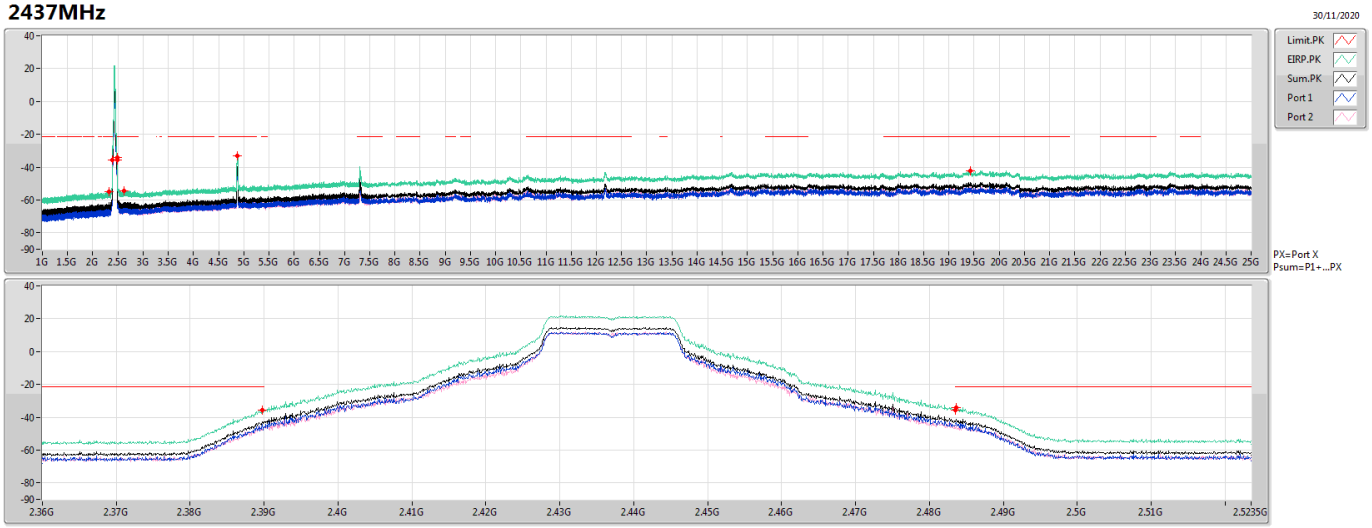
2417MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.8228G	-62.28	-41.20	-21.08	7.01	0.00	-69.29	-70.46	-75.54
2.36G	2.4G	1M	AV	2.39G	-42.08	-41.20	-0.88	7.01	0.00	-49.09	-52.61	-51.64
2.4G	2.4835G	1M	AV	2.4835G	-48.57	-41.20	-7.37	7.01	0.00	-55.58	-59.07	-58.16
2.4835G	2.5235G	1M	AV	2.48382G	-48.48	-41.20	-7.28	7.01	0.00	-55.49	-59.34	-57.80
2.5235G	2.9G	1M	AV	2.7895G	-63.00	-41.20	-21.80	7.01	0.00	-70.01	-73.94	-72.26
2.9G	7.5G	1M	AV	4.83028G	-51.44	-41.20	-10.24	7.01	0.00	-58.45	-60.64	-62.46
7.5G	25G	1M	AV	19.63406G	-50.60	-41.20	-9.40	7.01	0.00	-57.61	-60.87	-60.39

802.11n HT20_Nss1,(MCS0)_2TX **CSE [PK]**

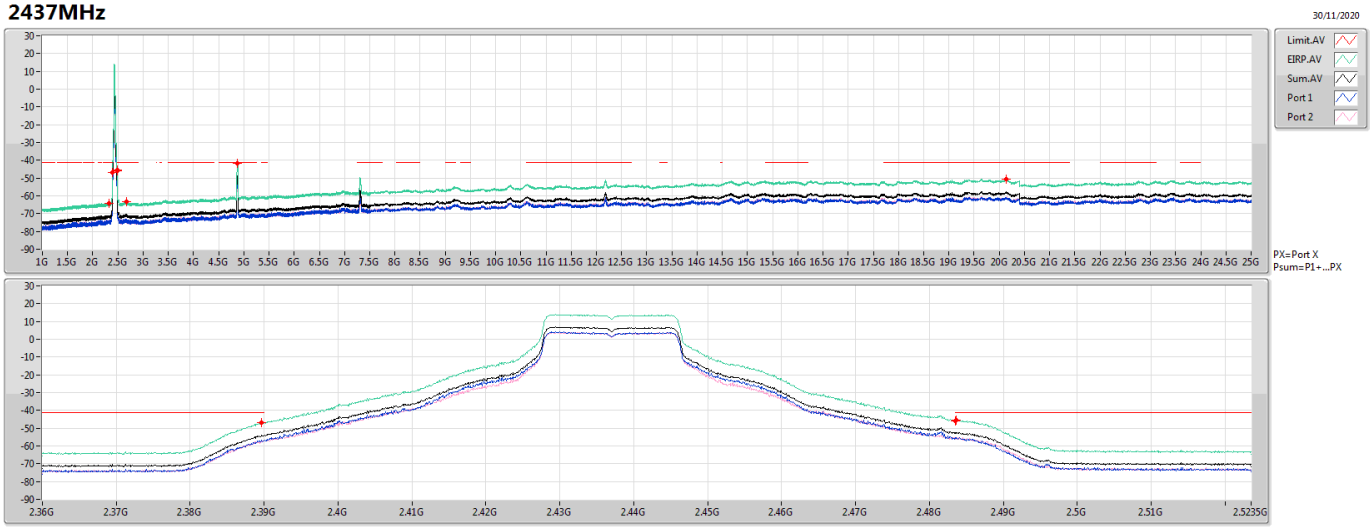
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.32396G	-54.77	-21.20	-33.57	7.01	0.00	-61.78	-64.06	-65.66
2.36G	2.4G	1M	PK	2.38976G	-35.65	-21.20	-14.45	7.01	0.00	-42.66	-44.14	-48.05
2.4G	2.4835G	1M	PK	2.4835G	-35.62	-21.20	-14.42	7.01	0.00	-42.63	-44.69	-46.86
2.4835G	2.5235G	1M	PK	2.48366G	-34.20	-21.20	-13.00	7.01	0.00	-41.21	-43.17	-45.60
2.5235G	2.9G	1M	PK	2.62836G	-54.45	-21.20	-33.25	7.01	0.00	-61.46	-64.37	-64.57
2.9G	7.5G	1M	PK	4.87628G	-32.91	-21.20	-11.71	7.01	0.00	-39.92	-41.92	-44.24
7.5G	25G	1M	PK	19.41969G	-42.34	-21.20	-21.14	7.01	0.00	-49.35	-52.99	-51.81

802.11n HT20_Nss1,(MCS0)_2TX **CSE [AV]**

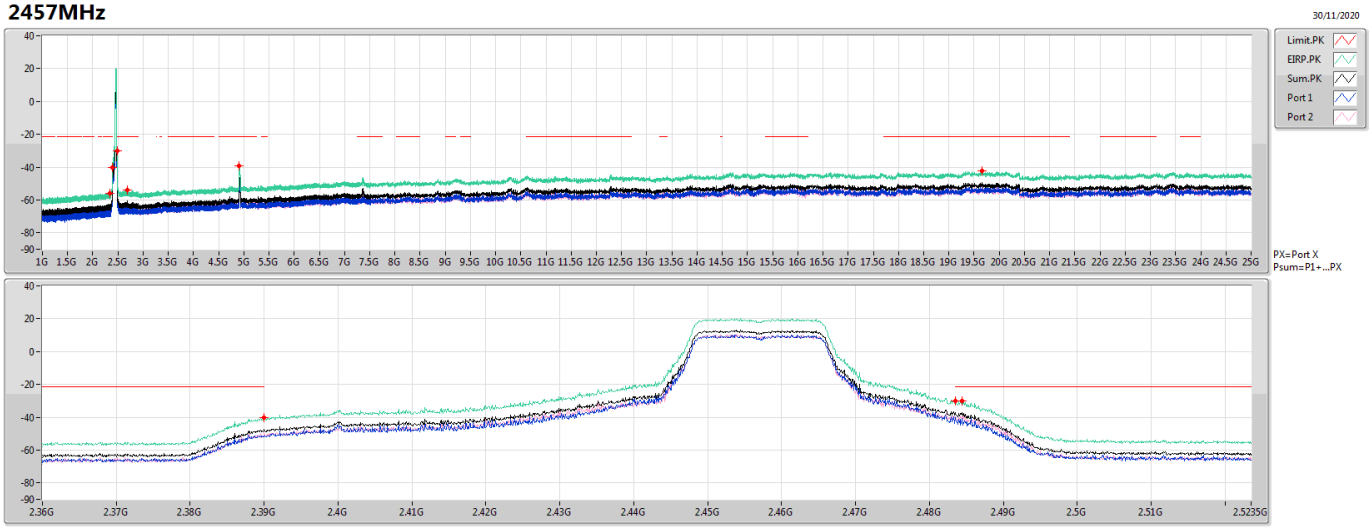
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.31529G	-64.06	-41.20	-22.86	7.01	0.00	-71.07	-74.26	-73.91
2.36G	2.4G	1M	AV	2.38968G	-46.99	-41.20	-5.79	7.01	0.00	-54.00	-56.68	-57.37
2.4G	2.4835G	1M	AV	2.4835G	-45.99	-41.20	-4.79	7.01	0.00	-53.00	-55.77	-56.26
2.4835G	2.5235G	1M	AV	2.48366G	-45.27	-41.20	-4.07	7.01	0.00	-52.28	-55.23	-55.36
2.5235G	2.9G	1M	AV	2.67438G	-63.30	-41.20	-22.10	7.01	0.00	-70.31	-72.98	-73.70
2.9G	7.5G	1M	AV	4.87455G	-41.56	-41.20	-0.36	7.01	0.00	-48.57	-51.35	-51.83
7.5G	25G	1M	AV	20.13719G	-50.69	-41.20	-9.49	7.01	0.00	-57.70	-60.71	-60.71

802.11n HT20_Nss1,(MCS0)_2TX **CSE [PK]**

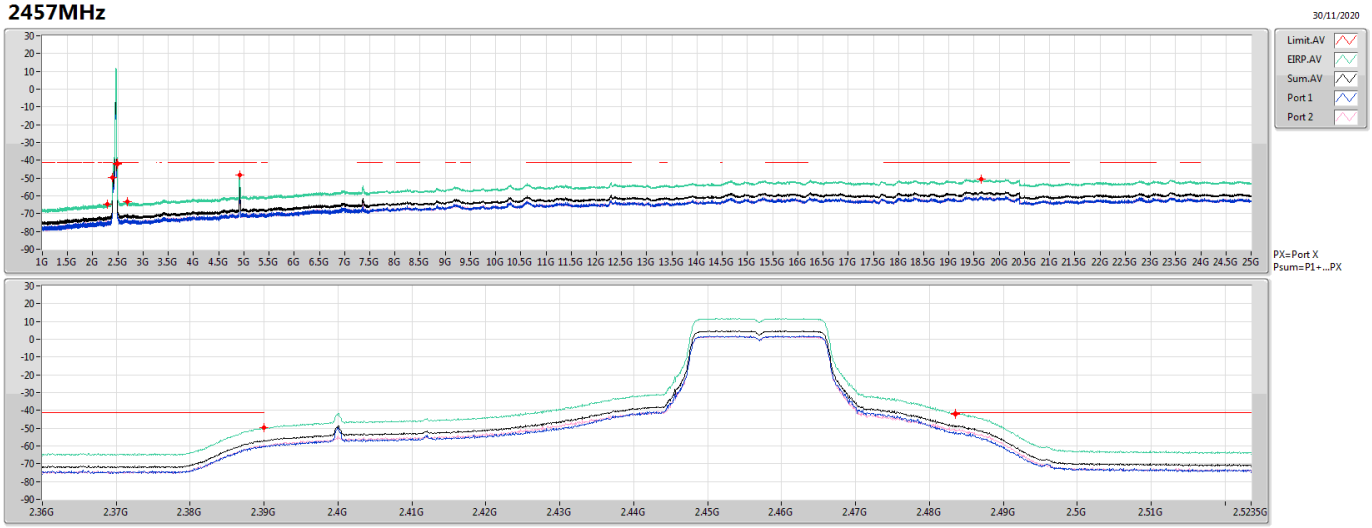
2457MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.33348G	-55.73	-21.20	-34.53	7.01	0.00	-62.74	-65.00	-66.66
2.36G	2.4G	1M	PK	2.39G	-40.39	-21.20	-19.19	7.01	0.00	-47.40	-51.97	-49.26
2.4G	2.4835G	1M	PK	2.4835G	-30.12	-21.20	-8.92	7.01	0.00	-37.13	-40.32	-39.97
2.4835G	2.5235G	1M	PK	2.48438G	-30.24	-21.20	-9.04	7.01	0.00	-37.25	-40.94	-39.68
2.5235G	2.9G	1M	PK	2.68041G	-53.75	-21.20	-32.55	7.01	0.00	-60.76	-64.04	-63.51
2.9G	7.5G	1M	PK	4.90963G	-39.15	-21.20	-17.95	7.01	0.00	-46.16	-49.05	-49.30
7.5G	25G	1M	PK	19.66469G	-42.42	-21.20	-21.22	7.01	0.00	-49.43	-53.13	-51.85

802.11n HT20_Nss1,(MCS0)_2TX **CSE [AV]**

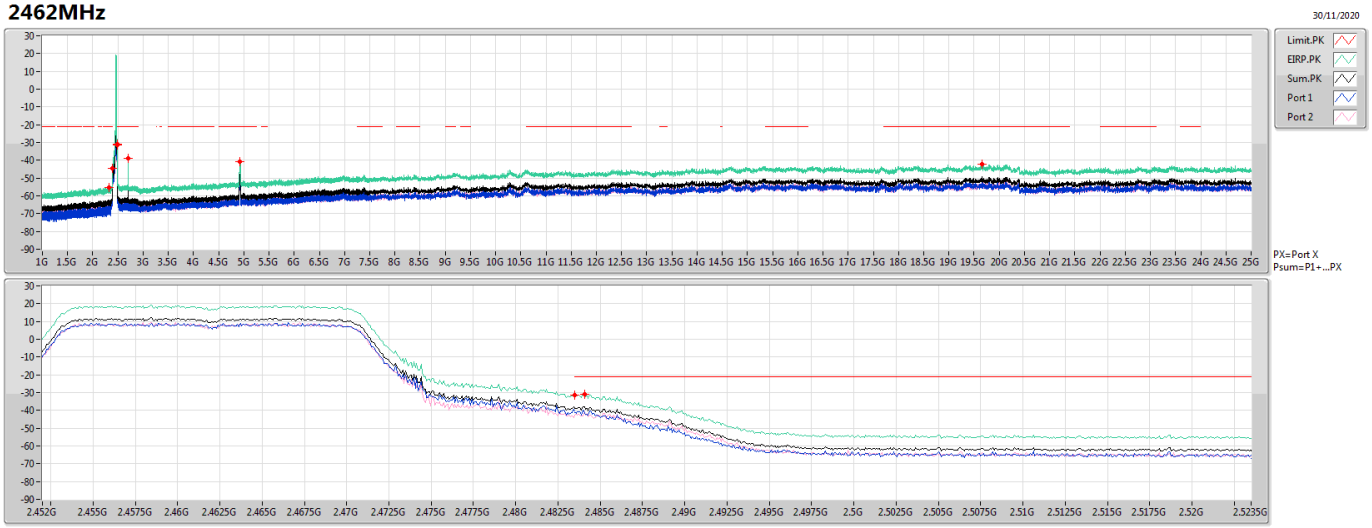
2457MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.28316G	-64.51	-41.20	-23.31	7.01	0.00	-71.52	-74.91	-74.19
2.36G	2.4G	1M	AV	2.39G	-49.74	-41.20	-8.54	7.01	0.00	-56.75	-60.50	-59.13
2.4G	2.4835G	1M	AV	2.4835G	-42.26	-41.20	-1.06	7.01	0.00	-49.27	-53.05	-51.63
2.4835G	2.5235G	1M	AV	2.4835G	-41.57	-41.20	-0.37	7.01	0.00	-48.58	-52.27	-51.00
2.5235G	2.9G	1M	AV	2.68427G	-63.44	-41.20	-22.24	7.01	0.00	-70.45	-72.87	-74.15
2.9G	7.5G	1M	AV	4.9125G	-48.12	-41.20	-6.92	7.01	0.00	-55.13	-58.05	-58.23
7.5G	25G	1M	AV	19.64063G	-50.75	-41.20	-9.55	7.01	0.00	-57.76	-60.59	-60.95

802.11n HT20_Nss1,(MCS0)_2TX **CSE [PK]**

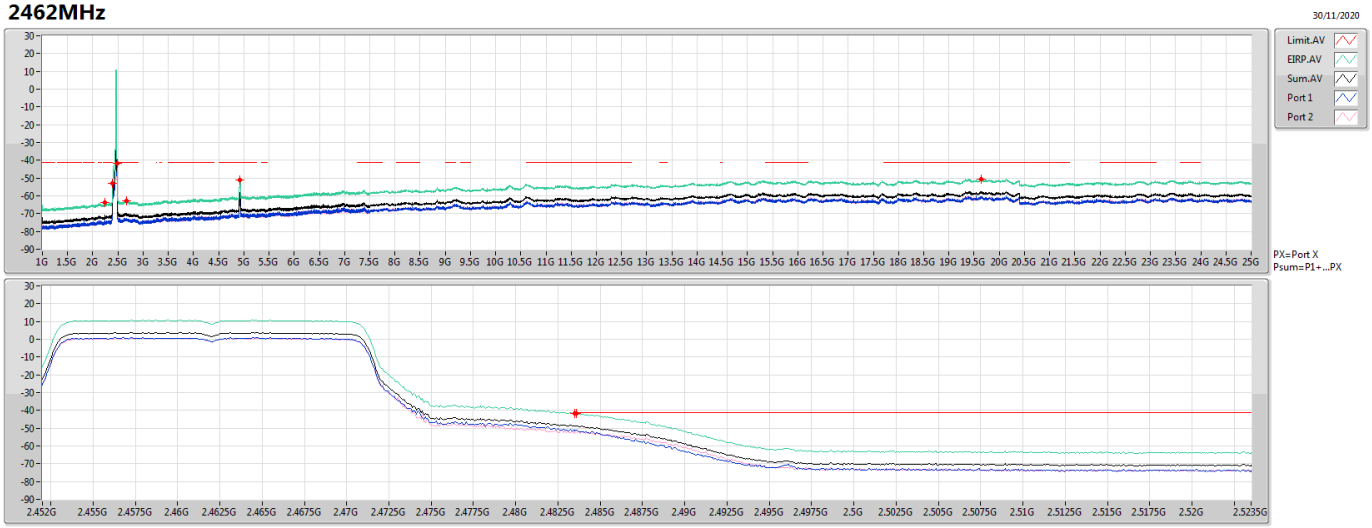
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.3209G	-55.46	-21.20	-34.26	7.01	0.00	-62.47	-65.85	-65.14
2.36G	2.4G	1M	PK	2.38992G	-44.47	-21.20	-23.27	7.01	0.00	-51.48	-54.20	-54.81
2.4G	2.4835G	1M	PK	2.4835G	-31.56	-21.20	-10.36	7.01	0.00	-38.57	-40.46	-43.09
2.4835G	2.5235G	1M	PK	2.48406G	-31.05	-21.20	-9.85	7.01	0.00	-38.06	-41.35	-40.80
2.5235G	2.9G	1M	PK	2.70996G	-38.93	-21.20	-17.73	7.01	0.00	-45.94	-66.69	-45.98
2.9G	7.5G	1M	PK	4.91883G	-40.89	-21.20	-19.69	7.01	0.00	-47.90	-50.10	-51.90
7.5G	25G	1M	PK	19.65813G	-42.39	-21.20	-21.19	7.01	0.00	-49.40	-53.17	-51.76

802.11n HT20_Nss1,(MCS0)_2TX **CSE [AV]**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.23794G	-63.56	-41.20	-22.36	7.01	0.00	-70.57	-72.13	-75.78
2.36G	2.4G	1M	AV	2.39G	-53.14	-41.20	-11.94	7.01	0.00	-60.15	-62.75	-63.61
2.4G	2.4835G	1M	AV	2.4835G	-41.84	-41.20	-0.64	7.01	0.00	-48.85	-51.03	-52.90
2.4835G	2.5235G	1M	AV	2.48358G	-41.54	-41.20	-0.34	7.01	0.00	-48.55	-50.99	-52.21
2.5235G	2.9G	1M	AV	2.66732G	-62.99	-41.20	-21.79	7.01	0.00	-70.00	-72.93	-73.10
2.9G	7.5G	1M	AV	4.92458G	-50.98	-41.20	-9.78	7.01	0.00	-57.99	-60.42	-61.67
7.5G	25G	1M	AV	19.63844G	-50.58	-41.20	-9.38	7.01	0.00	-57.59	-60.48	-60.72