Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	:	TE7WPA8631PV3
Equipment	:	AV1300 Gigabit Passthrough Powerline ac Wi-Fi Extender
Brand Name	:	tp-link
Model Name	:	TL-WPA8631P
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Standard	:	47 CFR FCC Part 15.247

The product was received on Sep. 07, 2020, and testing was started from Sep. 16, 2020 and completed on Sep. 28, 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.

Approved by: Sam Chen

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 **4**

Summary of Test Result **5**

1 General Description **6**

1.1 Information 6
1.2 Applicable Standards 8
1.3 Testing Location Information 8
1.4 Measurement Uncertainty 8

2 Test Configuration of EUT **9**

2.1 Test Channel Mode 9
2.2 The Worst Case Measurement Configuration 10
2.3 EUT Operation during Test 11
2.4 Accessories 11
2.5 Support Equipment 11
2.6 Test Setup Diagram 12

3 Transmitter Test Result **14**

3.1 AC Power-line Conducted Emissions 14
3.2 DTS Bandwidth 16
3.3 Maximum Conducted Output Power 17
3.4 Power Spectral Density 20
3.5 Emissions in Non-restricted Frequency Bands 22
3.6 Emissions in Restricted Frequency Bands 23

4 Test Equipment and Calibration Data **27**

Appendix A. Test Results of AC Power-line Conducted Emissions

Appendix B. Test Results of DTS Bandwidth

Appendix C. Test Results of Maximum Conducted Output Power

Appendix D. Test Results of Power Spectral Density

Appendix E. Test Results of Emissions in Non-restricted Frequency Bands

Appendix F. Test Results of Emissions in Restricted Frequency Bands

Appendix G. Test Results of Radiated Emission Co-location

Appendix H. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR672231-01AA	01	Initial issue of report	Oct. 22, 2020

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

Reviewed by: Sam Chen
Report Producer: Sandy Chuang

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]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

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 HT40	40	2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	TP-Link	3101503165	Dipole Antenna	I-PEX	1.5	1.5
2	2	TP-Link	3101503166	Dipole Antenna	I-PEX	1.5	1.5

Note: The above information was declared by manufacturer.

For 2.4GHz function:

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.914	0.39	1.398m	1k
802.11n HT20	0.954	0.2	2.57m	1k
802.11n HT40	0.918	0.37	1.258m	1k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Internal power supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QATool (Version 0.0.2.6)			

Note: The above information was declared by manufacturer.

1.1.5 EUT support function

The EUT supports AP/Master mode, only AP mode mode has been tested and recorded in this test report.

1.2 Applicable 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.

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC 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
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH02-CB	Caster Chang	22.5-23.8℃ / 52-57%	Sep. 18, 2020~ Sep. 28, 2020
Radiated <Below 1GHz and Co-location>	03CH03-CB	Paul Chen	22.6-23.9 °C / 51-53%	Sep. 16, 2020~ Sep. 18, 2020
Radiated <Above 1GHz>	03CH04-CB	Paul Chen	25.8-26.7 °C / 51-54%	Sep. 16, 2020~ Sep. 18, 2020
AC Conduction	CO01-CB	Wei Li	24~25°C / 56~59%	Sep. 16, 2020

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086D with Industry Canada.

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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23
2417MHz	24
2437MHz	27
2457MHz	27
2462MHz	25
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20
2417MHz	27
2437MHz	2A
2457MHz	24
2462MHz	1F
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	1D
2417MHz	25
2437MHz	2A
2457MHz	24
2462MHz	1F
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	17
2427MHz	1B
2437MHz	22
2447MHz	1E
2452MHz	1C

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	The PLC function of EUT with Idle 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
Y-axis generated the worst result for Emissions in Restricted Frequency Bands <Above 1GHz>, thus the measurement will follow this same test configuration.	
1	2.4GHz: Place EUT in Y axis
2	5GHz: Place EUT in Y axis
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT can be placed in Y-axis and Z-axis. After evaluating, Y-axis was the worst case, so the test will follow this same test configuration.	
1	Place EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
Y-axis generated the worst result for Emissions in Restricted Frequency Bands <Above 1GHz>, thus the measurement will follow this same test configuration.	
1	WLAN 2.4GHz + WLAN 5GHz in Y axis
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz in Y axis
Refer to Sporton Test Report No.: FA672231-01 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

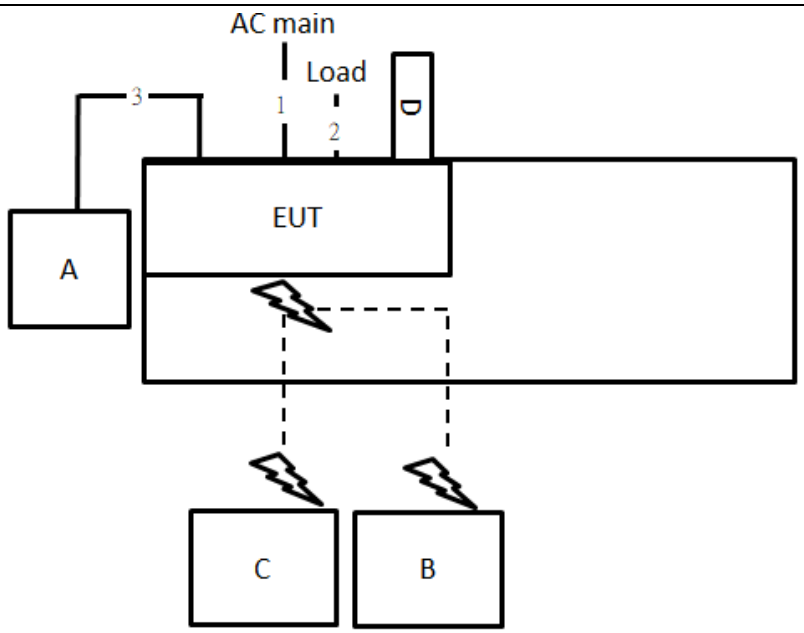
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	5G NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	Lighting	Philips	N/A	N/A

For Radiated and RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

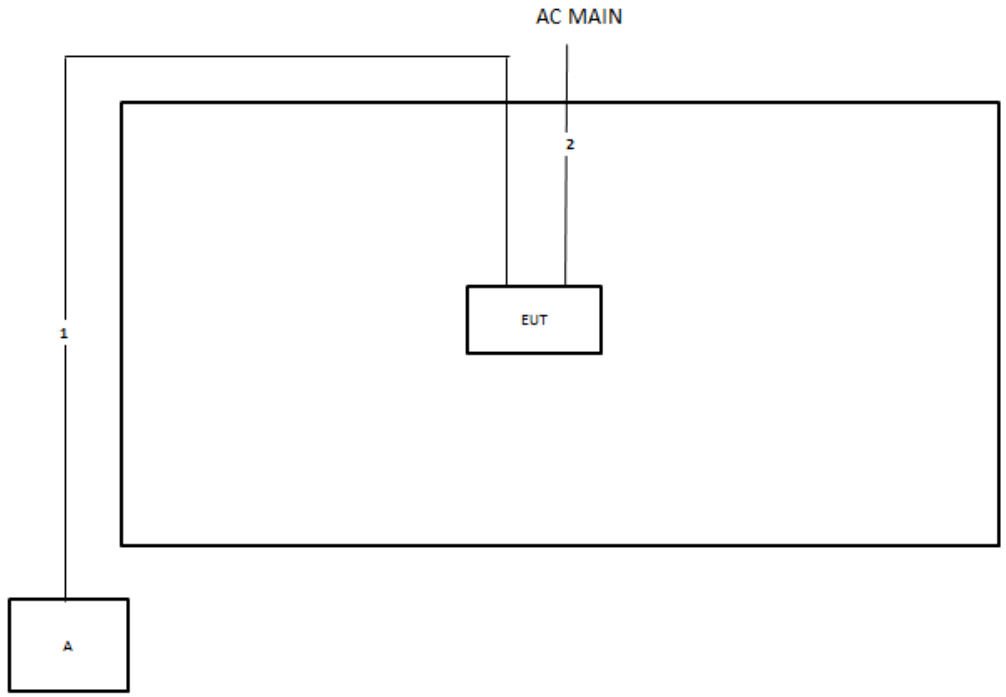
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable*2	No	1.5m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m

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

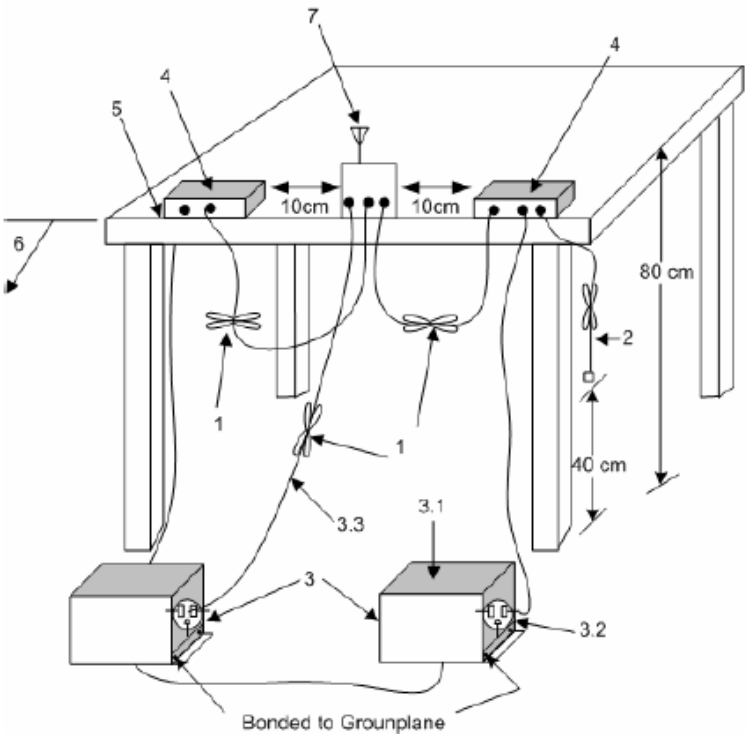
Refer a test equipment and calibration data table in this test report.

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 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 50 Ω 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.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

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.

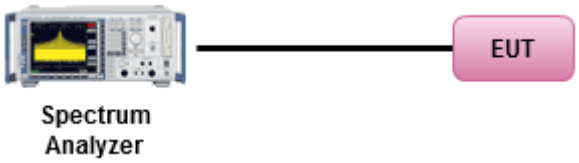
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 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
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 FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC 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

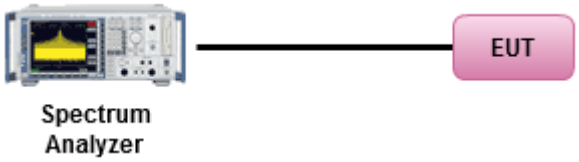
3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

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 (dBc)**
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 PSD 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 PSD level.	

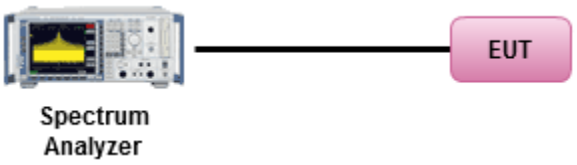
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted 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.

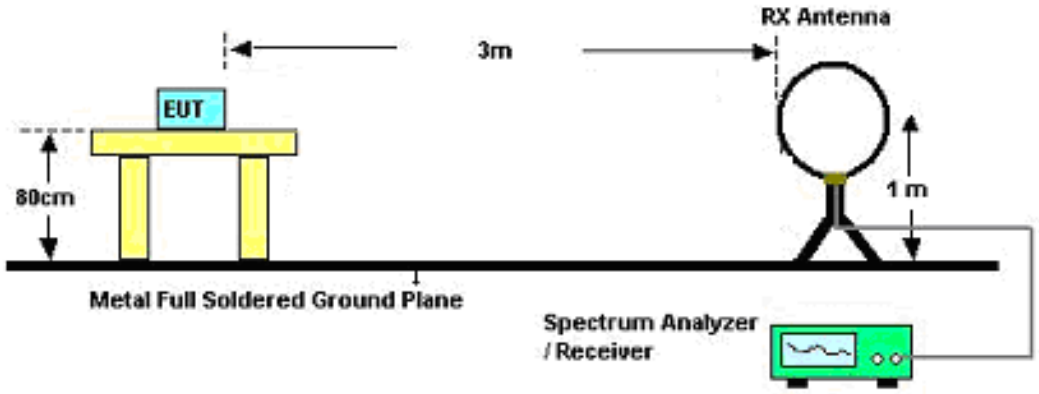
3.6.3 Test Procedures

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 FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ 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 FCC 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.		

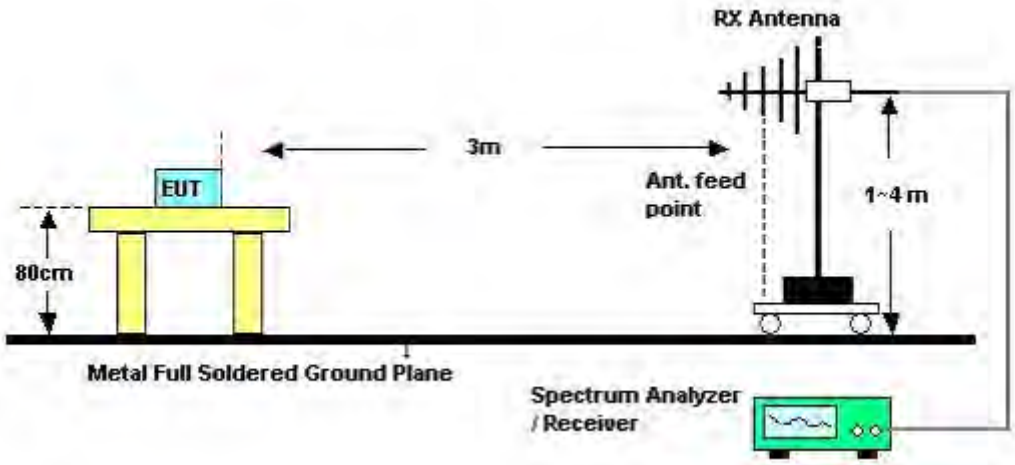
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

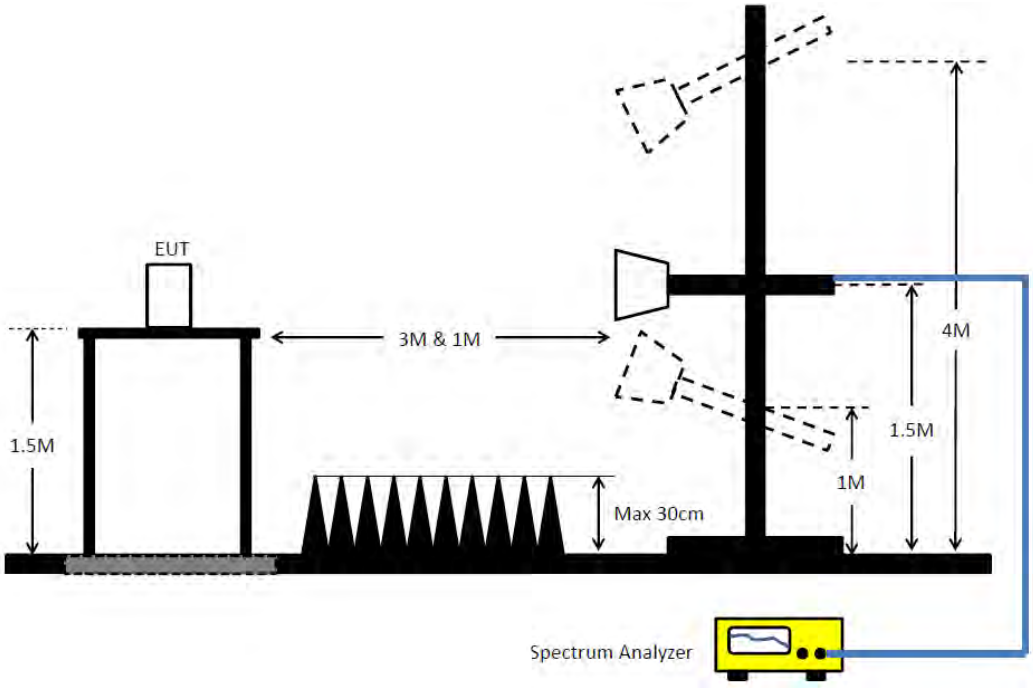
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Feb. 28, 2020	Feb. 27, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 15, 2020	Jan. 14, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	25MHz ~ 1GHz	Jul. 28, 2020	Jul. 27, 2021	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Jul. 28, 2020	Jul. 27, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Jul. 28, 2020	Jul. 27, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Jul. 07, 2020	Jul. 06, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Feb. 01, 2020	Jan. 31, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 27, 2020	Jul. 26, 2021	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

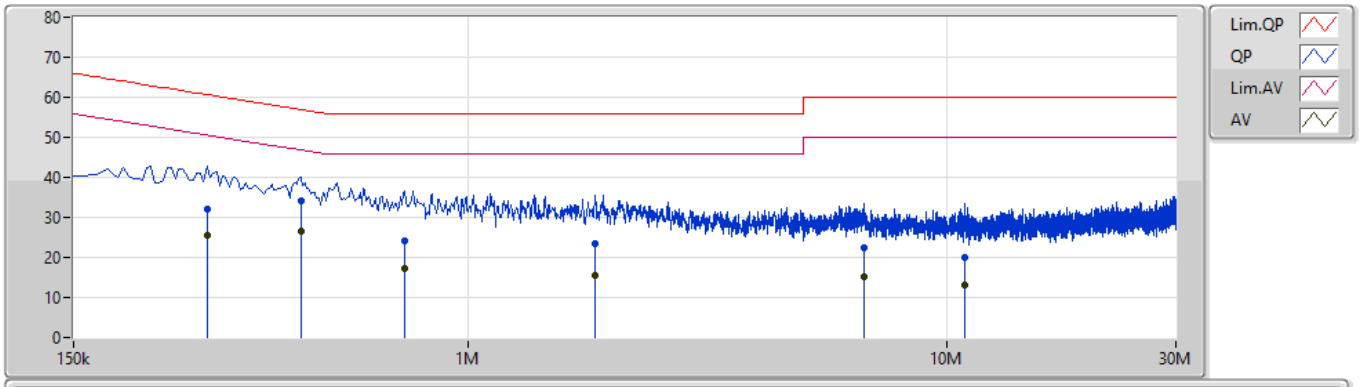
Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	447k	26.49	46.94	-20.45	Line

Mode 1

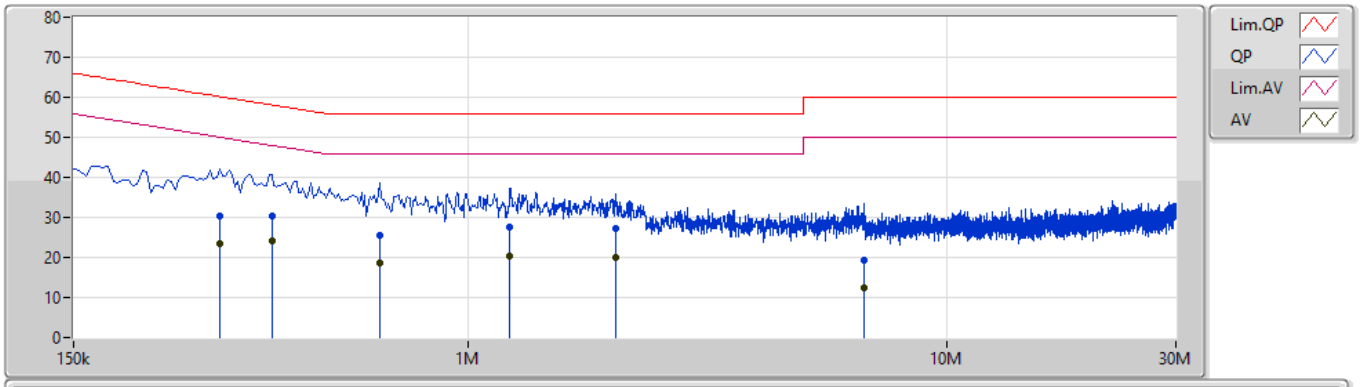
16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	285k	31.97	60.67	-28.70	9.87	Line	-	22.10	0.04	0.03	9.80
AV	285k	25.39	50.67	-25.28	9.87	Line	-	15.52	0.04	0.03	9.80
QP	447k	34.27	56.94	-22.67	9.88	Line	-	24.39	0.04	0.03	9.81
AV	447k	26.49	46.94	-20.45	9.88	Line	"Worst"	16.61	0.04	0.03	9.81
QP	735k	24.16	56.00	-31.84	9.91	Line	-	14.25	0.05	0.04	9.82
AV	735k	17.30	46.00	-28.70	9.91	Line	-	7.39	0.05	0.04	9.82
QP	1.838M	23.46	56.00	-32.54	9.96	Line	-	13.50	0.06	0.07	9.83
AV	1.838M	15.65	46.00	-30.35	9.96	Line	-	5.69	0.06	0.07	9.83
QP	6.725M	22.30	60.00	-37.70	10.15	Line	-	12.15	0.14	0.14	9.87
AV	6.725M	15.32	50.00	-34.68	10.15	Line	-	5.17	0.14	0.14	9.87
QP	10.883M	19.83	60.00	-40.17	10.27	Line	-	9.56	0.18	0.17	9.92
AV	10.883M	13.10	50.00	-36.90	10.27	Line	-	2.83	0.18	0.17	9.92

Mode 1

16/09/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	303k	30.19	60.17	-29.98	9.87	Neutral	-	20.32	0.04	0.03	9.80
AV	303k	23.55	50.17	-26.62	9.87	Neutral	-	13.68	0.04	0.03	9.80
QP	388.5k	30.48	58.10	-27.62	9.88	Neutral	-	20.60	0.04	0.03	9.81
AV	388.5k	24.25	48.10	-23.85	9.88	Neutral	"Worst"	14.37	0.04	0.03	9.81
QP	654k	25.53	56.00	-30.47	9.91	Neutral	-	15.62	0.05	0.04	9.82
AV	654k	18.76	46.00	-27.24	9.91	Neutral	-	8.85	0.05	0.04	9.82
QP	1.221M	27.45	56.00	-28.55	9.93	Neutral	-	17.52	0.06	0.05	9.82
AV	1.221M	20.35	46.00	-25.65	9.93	Neutral	-	10.42	0.06	0.05	9.82
QP	2.036M	27.24	56.00	-28.76	9.97	Neutral	-	17.27	0.07	0.07	9.83
AV	2.036M	20.15	46.00	-25.85	9.97	Neutral	-	10.18	0.07	0.07	9.83
QP	6.707M	19.18	60.00	-40.82	10.15	Neutral	-	9.03	0.14	0.14	9.87
AV	6.707M	12.32	50.00	-37.68	10.15	Neutral	-	2.17	0.14	0.14	9.87

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	10.075M	15.067M	15M1D2W	10.025M	14.493M
802.11g_Nss1,(6Mbps)_2TX	15.075M	23.038M	23M0D7W	14.425M	16.392M
802.11n HT20_Nss1,(MCS0)_2TX	15.075M	23.863M	23M9D7W	12.775M	17.516M
802.11n HT40_Nss1,(MCS0)_2TX	35.05M	36.182M	36M2D7W	28.2M	35.882M

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

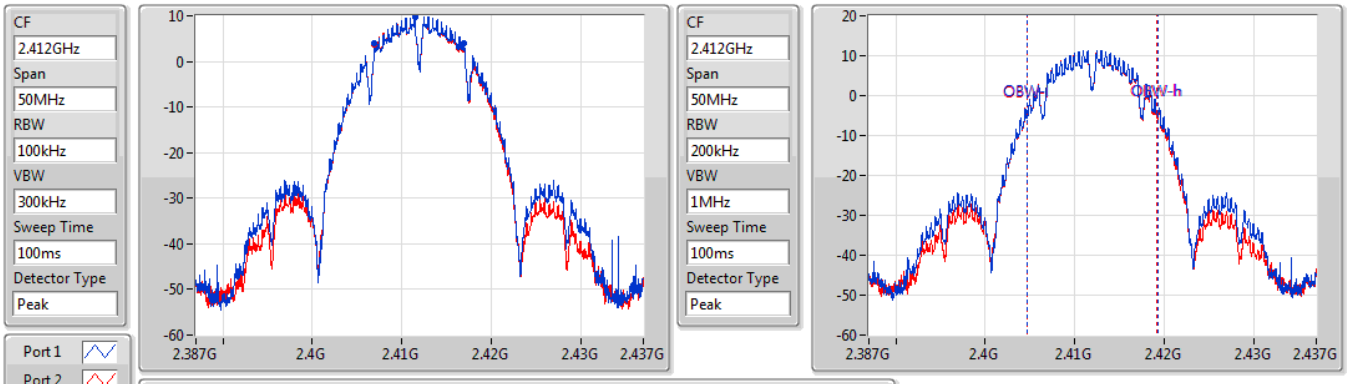
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.025M	14.693M	10.025M	14.493M
2437MHz	Pass	500k	10.05M	15.067M	10.075M	14.868M
2462MHz	Pass	500k	10.05M	14.968M	10.025M	14.518M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.075M	16.592M	14.975M	16.392M
2437MHz	Pass	500k	15.025M	23.038M	14.425M	19.015M
2462MHz	Pass	500k	15M	16.617M	15.075M	16.392M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	17.541M	12.775M	17.516M
2437MHz	Pass	500k	13.75M	23.863M	15.075M	21.064M
2462MHz	Pass	500k	14.975M	17.591M	14.975M	17.516M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.05M	35.982M	28.2M	35.882M
2437MHz	Pass	500k	31.25M	36.182M	35.05M	36.082M
2452MHz	Pass	500k	35.05M	35.982M	33.85M	35.932M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

18/09/2020

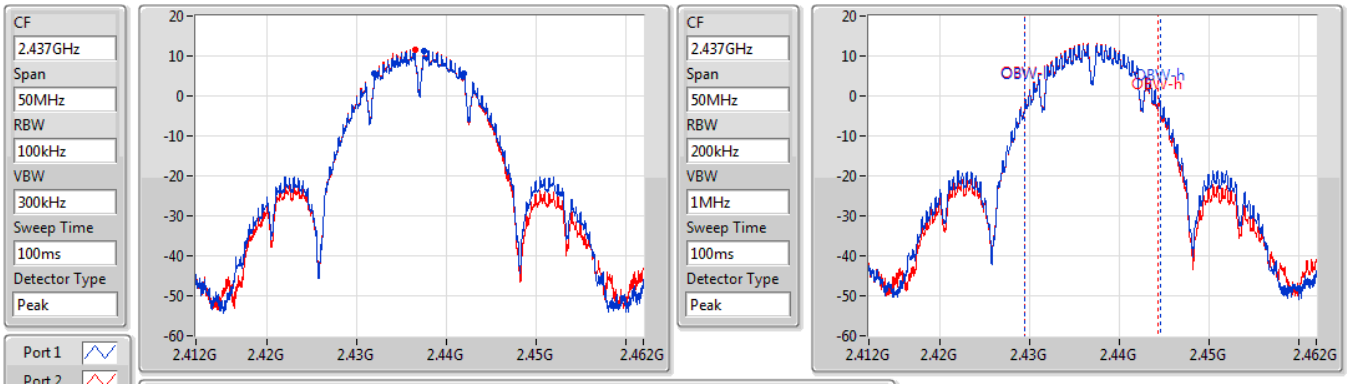


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.40695G	2.416975G	14.693M	2.404654G	2.419346G	500k	1
10.025M	2.40695G	2.416975G	14.493M	2.404654G	2.419146G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

18/09/2020

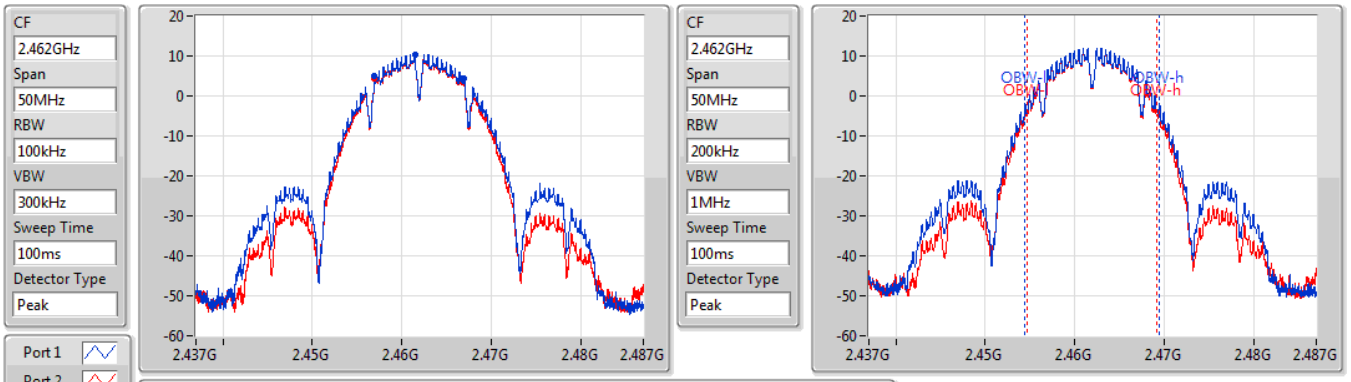


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.43195G	2.442G	15.067M	2.429454G	2.444521G	500k	1
10.075M	2.431925G	2.442G	14.868M	2.429479G	2.444346G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

18/09/2020

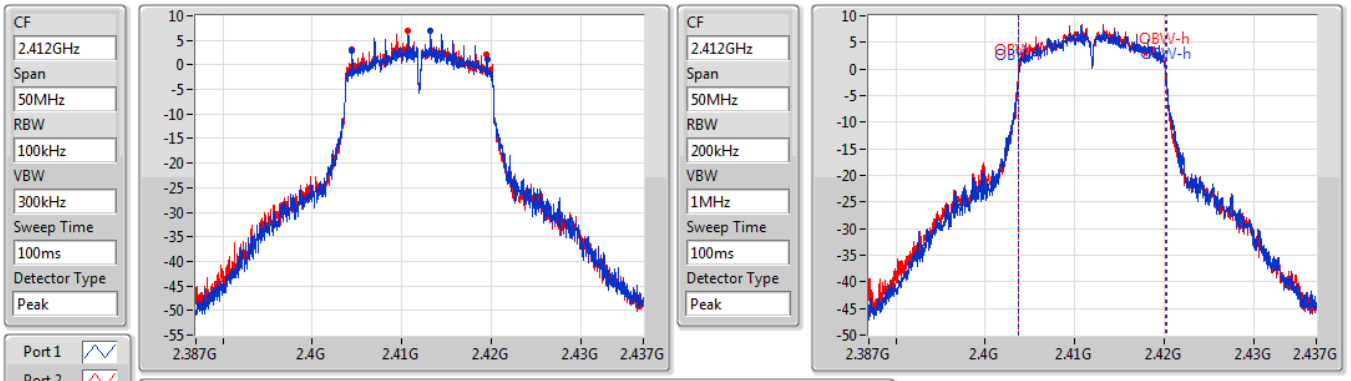


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.45695G	2.467G	14.968M	2.454479G	2.469446G	500k	1
10.025M	2.45695G	2.466975G	14.518M	2.454654G	2.469171G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

18/09/2020

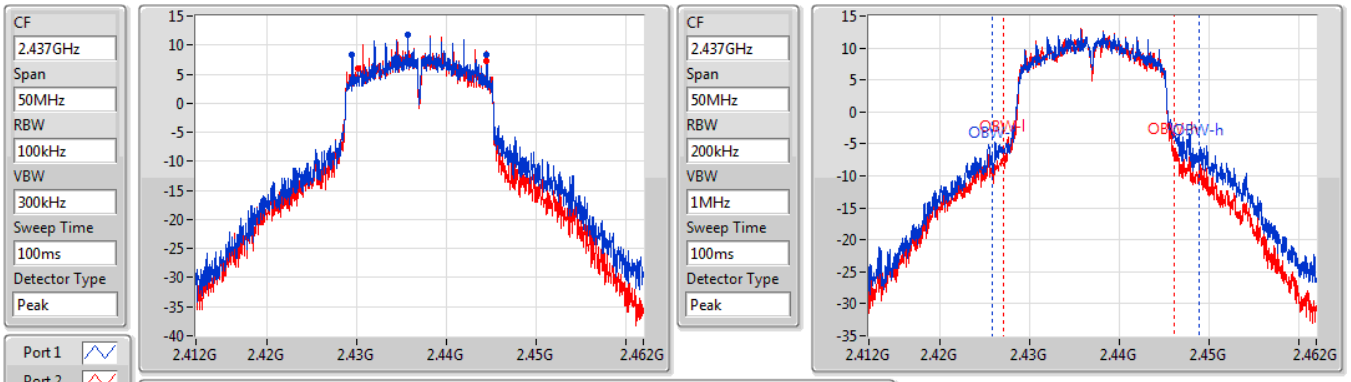


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.40445G	2.419525G	16.592M	2.403654G	2.420246G	500k	1
14.975M	2.40445G	2.419425G	16.392M	2.403754G	2.420146G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

18/09/2020

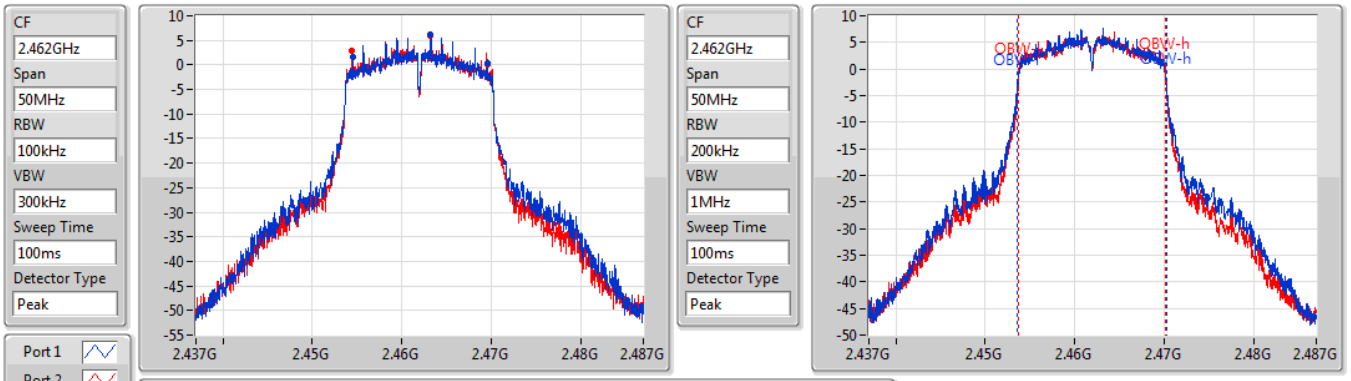


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.429475G	2.4445G	23.038M	2.425831G	2.448869G	500k	1
14.425M	2.430075G	2.4445G	19.015M	2.42708G	2.446095G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

18/09/2020

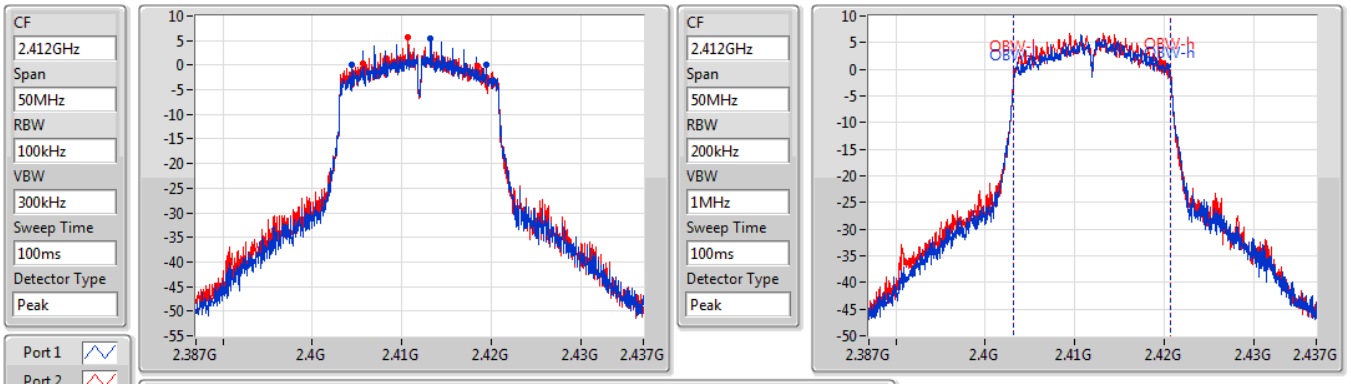


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.454525G	2.469525G	16.617M	2.453629G	2.470246G	500k	1
15.075M	2.45445G	2.469525G	16.392M	2.453754G	2.470146G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

18/09/2020

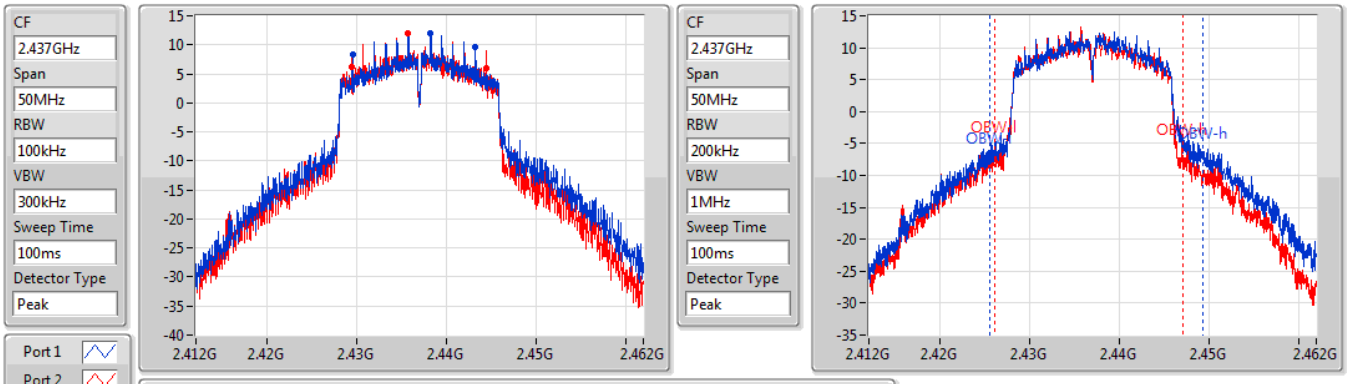


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.404425G	2.41945G	17.541M	2.403204G	2.420746G	500k	1
12.775M	2.4057G	2.418475G	17.516M	2.403204G	2.420721G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

18/09/2020

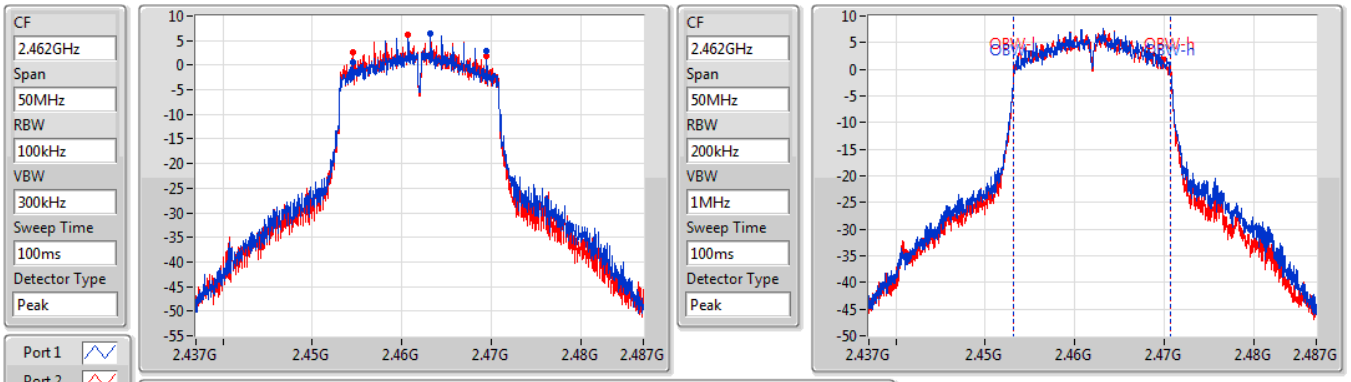


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.75M	2.4295G	2.44325G	23.863M	2.425481G	2.449344G	500k	1
15.075M	2.4294G	2.444475G	21.064M	2.42608G	2.447145G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

18/09/2020

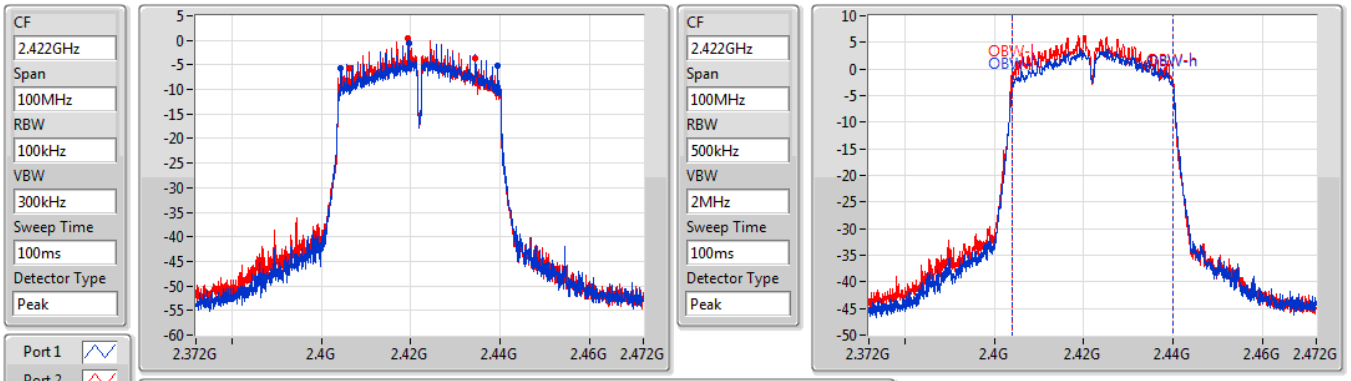


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.454525G	2.4695G	17.591M	2.453179G	2.470771G	500k	1
14.975M	2.4545G	2.469475G	17.516M	2.453204G	2.470721G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2422MHz

18/09/2020

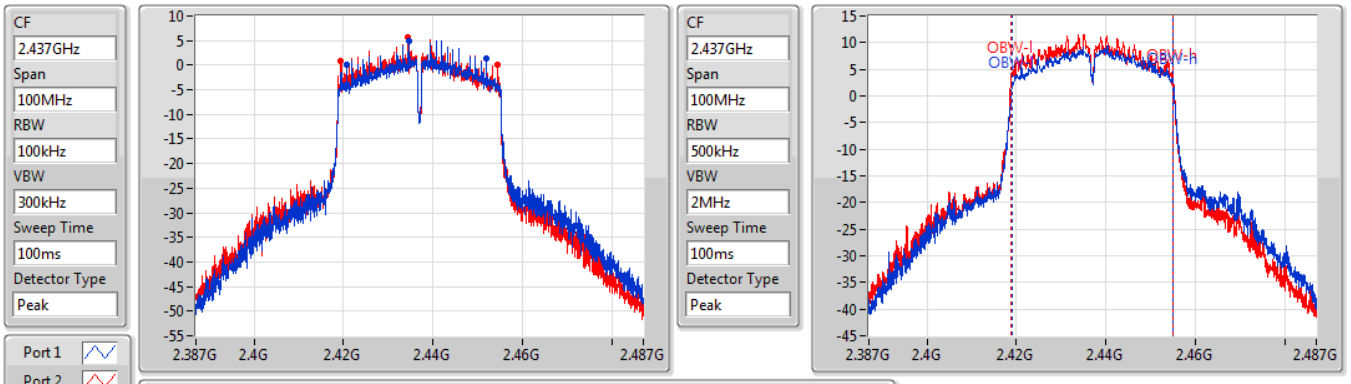


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.40445G	2.4395G	35.982M	2.404009G	2.439991G	500k	1
28.2M	2.4063G	2.4345G	35.882M	2.403959G	2.439841G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2437MHz

18/09/2020

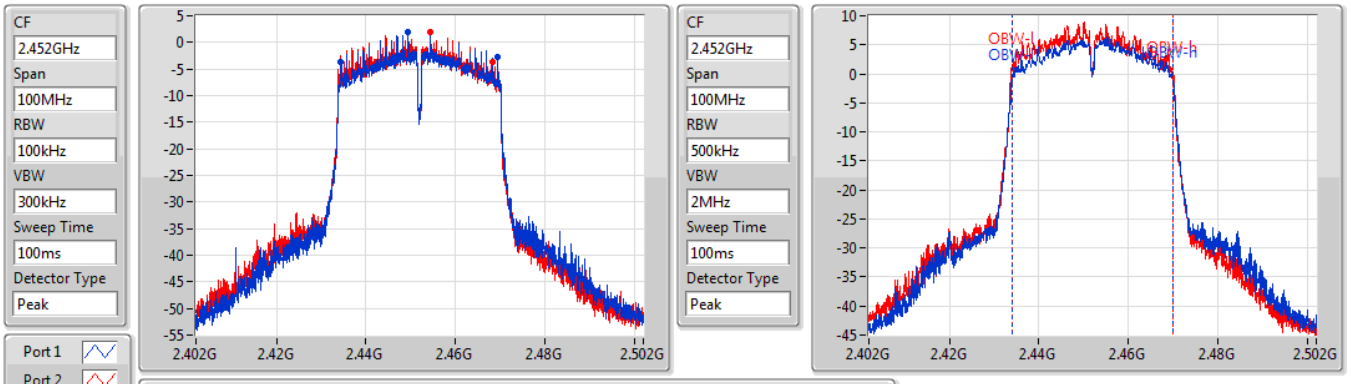


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.25M	2.4207G	2.45195G	36.182M	2.418909G	2.455091G	500k	1
35.05M	2.41945G	2.4545G	36.082M	2.418859G	2.454941G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

2452MHz

18/09/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.43445G	2.4695G	35.982M	2.434009G	2.469991G	500k	1
33.85M	2.4344G	2.46825G	35.932M	2.433959G	2.469891G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.58	0.28708
802.11g_Nss1,(6Mbps)_2TX	24.63	0.29040
802.11n HT20_Nss1,(MCS0)_2TX	24.63	0.29040
802.11n HT40_Nss1,(MCS0)_2TX	20.69	0.11722

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.50	19.75	19.64	22.71	30.00
2417MHz	Pass	1.50	20.09	19.93	23.02	30.00
2437MHz	Pass	1.50	21.40	21.72	24.57	30.00
2457MHz	Pass	1.50	21.52	21.61	24.58	30.00
2462MHz	Pass	1.50	20.34	20.09	23.23	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.50	17.14	17.37	20.27	30.00
2417MHz	Pass	1.50	20.21	20.51	23.37	30.00
2437MHz	Pass	1.50	21.69	21.54	24.63	30.00
2457MHz	Pass	1.50	18.68	18.78	21.74	30.00
2462MHz	Pass	1.50	16.28	16.24	19.27	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.50	15.53	15.95	18.76	30.00
2417MHz	Pass	1.50	19.09	19.30	22.21	30.00
2437MHz	Pass	1.50	21.59	21.65	24.63	30.00
2457MHz	Pass	1.50	18.51	19.04	21.79	30.00
2462MHz	Pass	1.50	16.16	16.31	19.25	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.50	12.38	12.56	15.48	30.00
2427MHz	Pass	1.50	14.44	14.37	17.42	30.00
2437MHz	Pass	1.50	17.59	17.76	20.69	30.00
2447MHz	Pass	1.50	15.68	15.76	18.73	30.00
2452MHz	Pass	1.50	14.69	14.87	17.79	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.95
802.11g_Nss1,(6Mbps)_2TX	-2.41
802.11n HT20_Nss1,(MCS0)_2TX	-1.32
802.11n HT40_Nss1,(MCS0)_2TX	-8.46

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

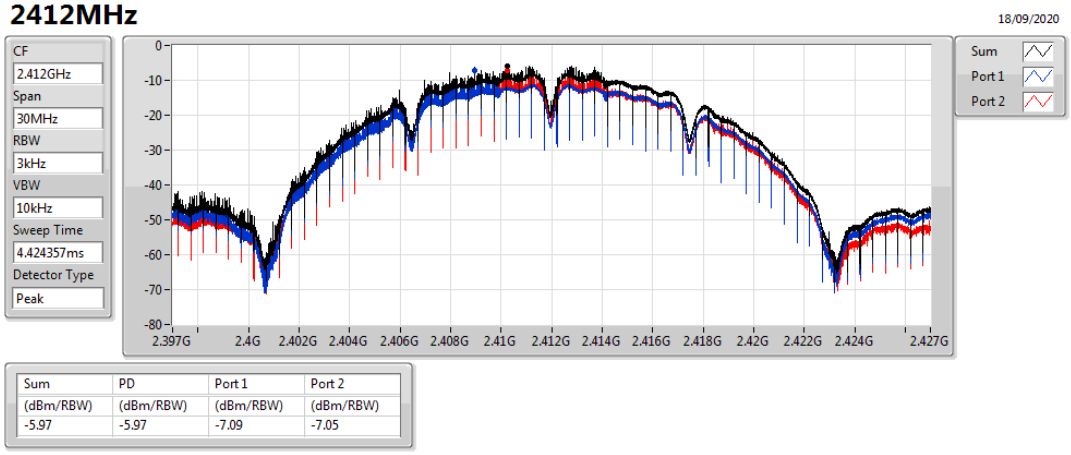
Result

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	4.51	-7.09	-7.05	-5.97	8.00
2437MHz	Pass	4.51	-8.31	-7.47	-5.49	8.00
2462MHz	Pass	4.51	-5.52	-6.38	-2.95	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.51	-10.35	-9.69	-7.60	8.00
2437MHz	Pass	4.51	-5.48	-4.87	-2.41	8.00
2462MHz	Pass	4.51	-10.58	-11.17	-8.60	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.51	-11.38	-11.20	-8.69	8.00
2437MHz	Pass	4.51	-3.59	-3.69	-1.32	8.00
2462MHz	Pass	4.51	-8.42	-9.17	-6.04	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.51	-15.73	-16.40	-13.51	8.00
2437MHz	Pass	4.51	-11.73	-10.85	-8.46	8.00
2452MHz	Pass	4.51	-13.58	-13.62	-11.37	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
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

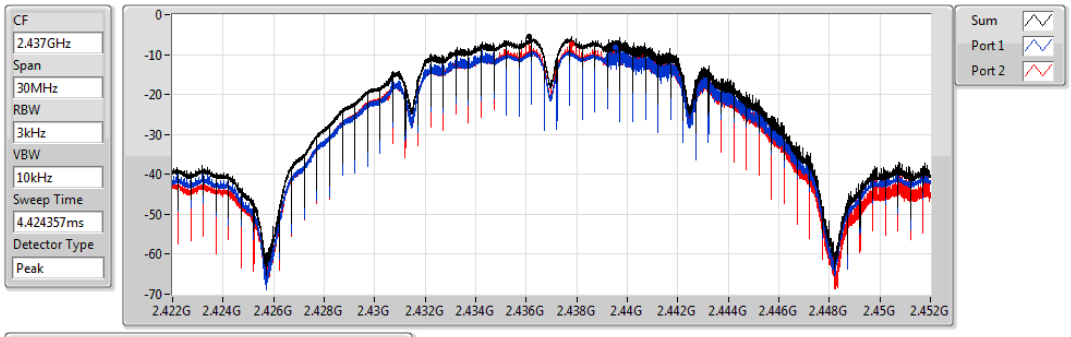
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.97	-5.97	-7.09	-7.05

802.11b_Nss1,(1Mbps)_2TX PSD

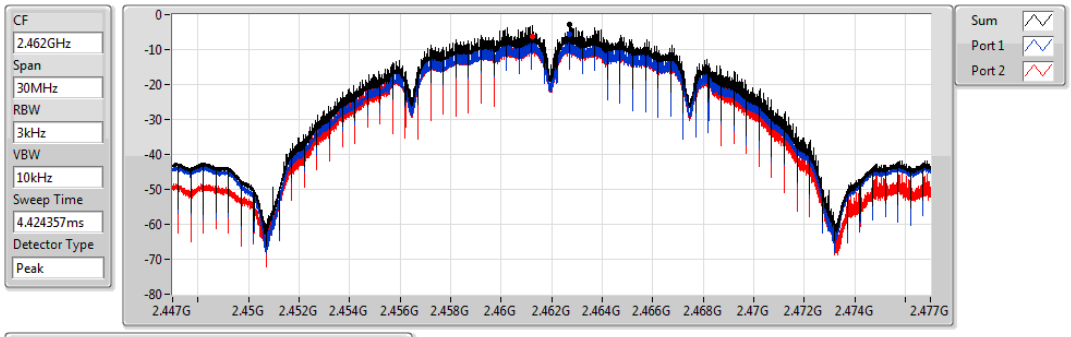
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.49	-5.49	-8.31	-7.47

802.11b_Nss1,(1Mbps)_2TX PSD

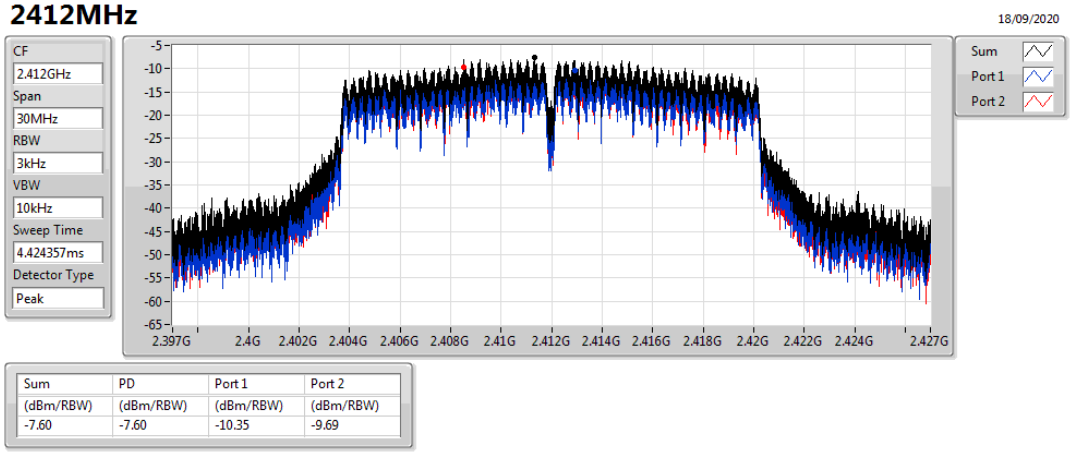
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.95	-2.95	-5.52	-6.38

802.11g_Nss1,(6Mbps)_2TX PSD

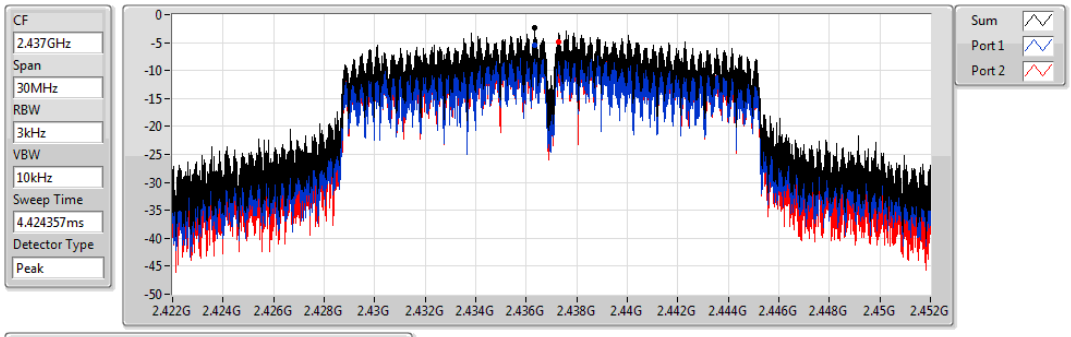
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.60	-7.60	-10.35	-9.69

802.11g_Nss1,(6Mbps)_2TX PSD

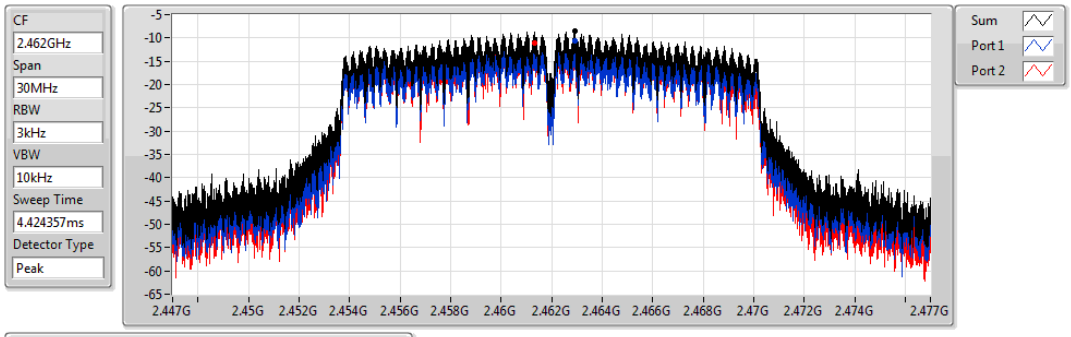
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.41	-2.41	-5.48	-4.87

802.11g_Nss1,(6Mbps)_2TX PSD

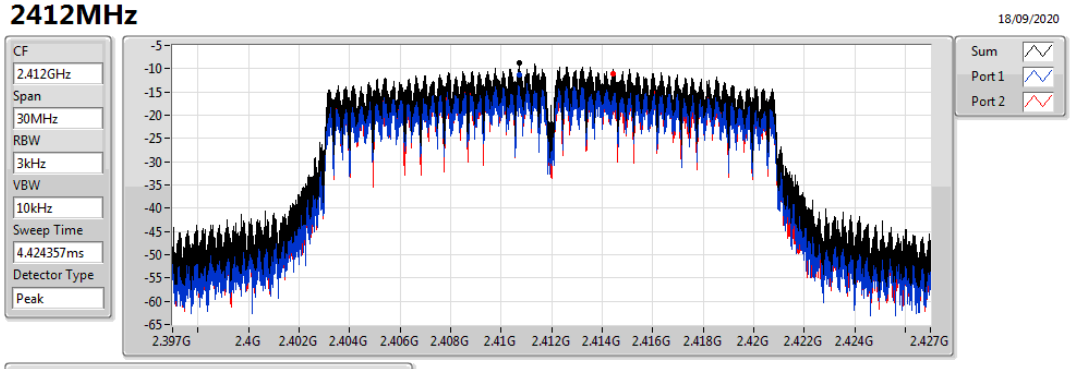
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.60	-8.60	-10.58	-11.17

802.11n HT20_Nss1,(MCS0)_2TX PSD

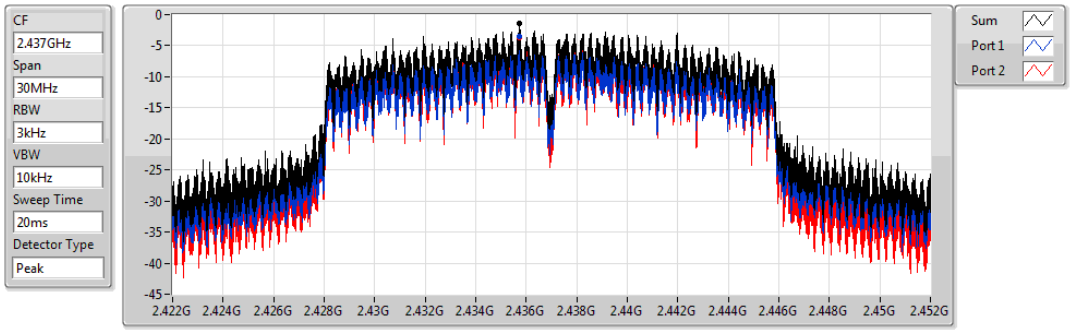
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.69	-8.69	-11.38	-11.20

802.11n HT20_Nss1,(MCS0)_2TX PSD

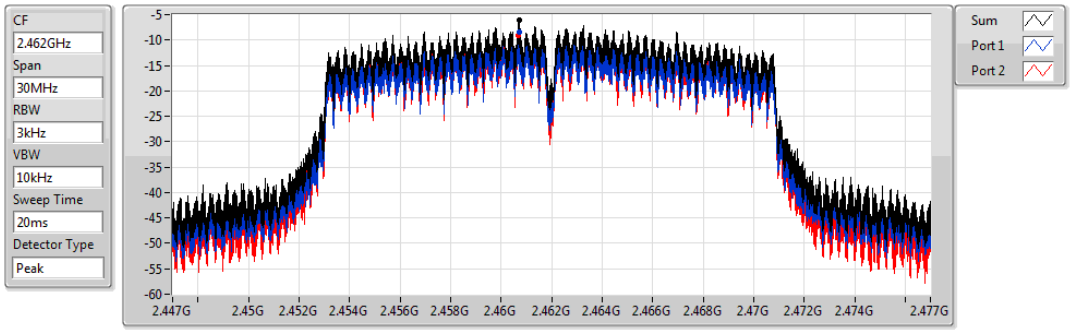
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.32	-1.32	-3.59	-3.69

802.11n HT20_Nss1,(MCS0)_2TX PSD

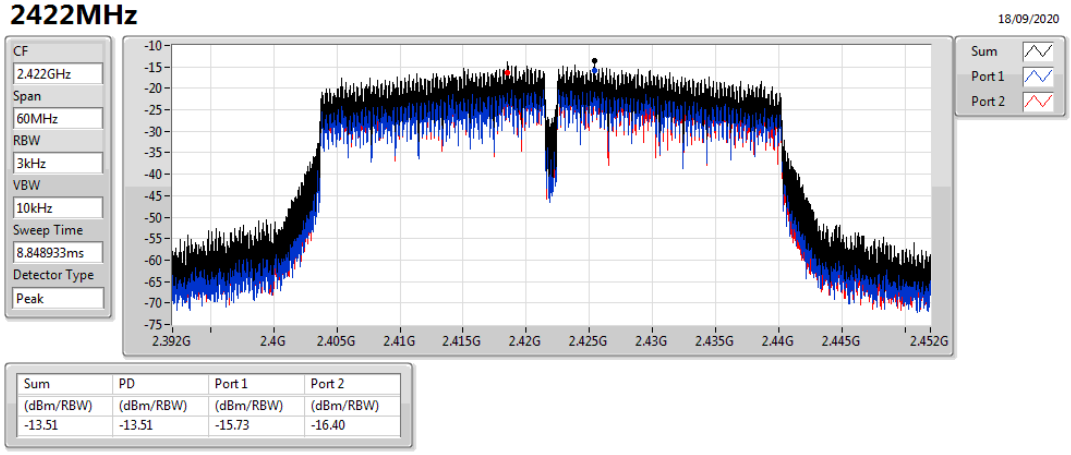
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.04	-6.04	-8.42	-9.17

802.11n HT40_Nss1,(MCS0)_2TX PSD

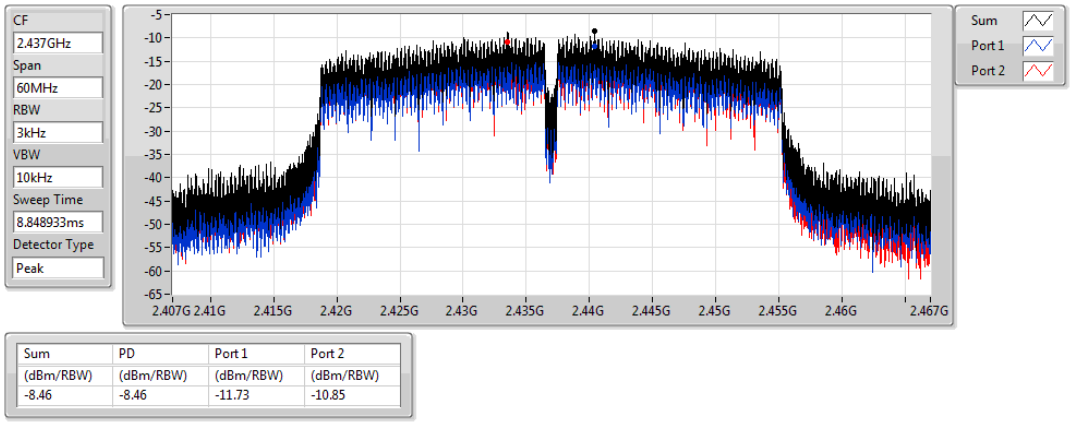
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.51	-13.51	-15.73	-16.40

802.11n HT40_Nss1,(MCS0)_2TX PSD

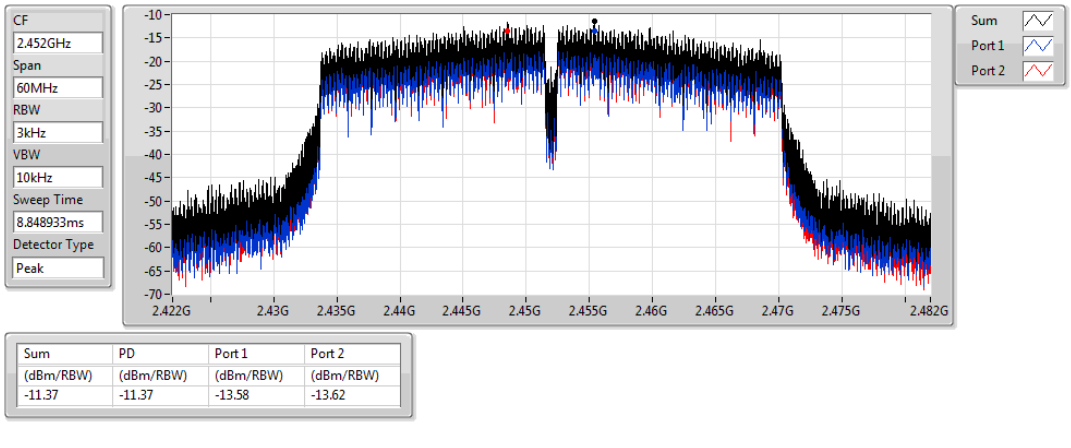
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.46	-8.46	-11.73	-10.85

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.37	-11.37	-13.58	-13.62

Summary

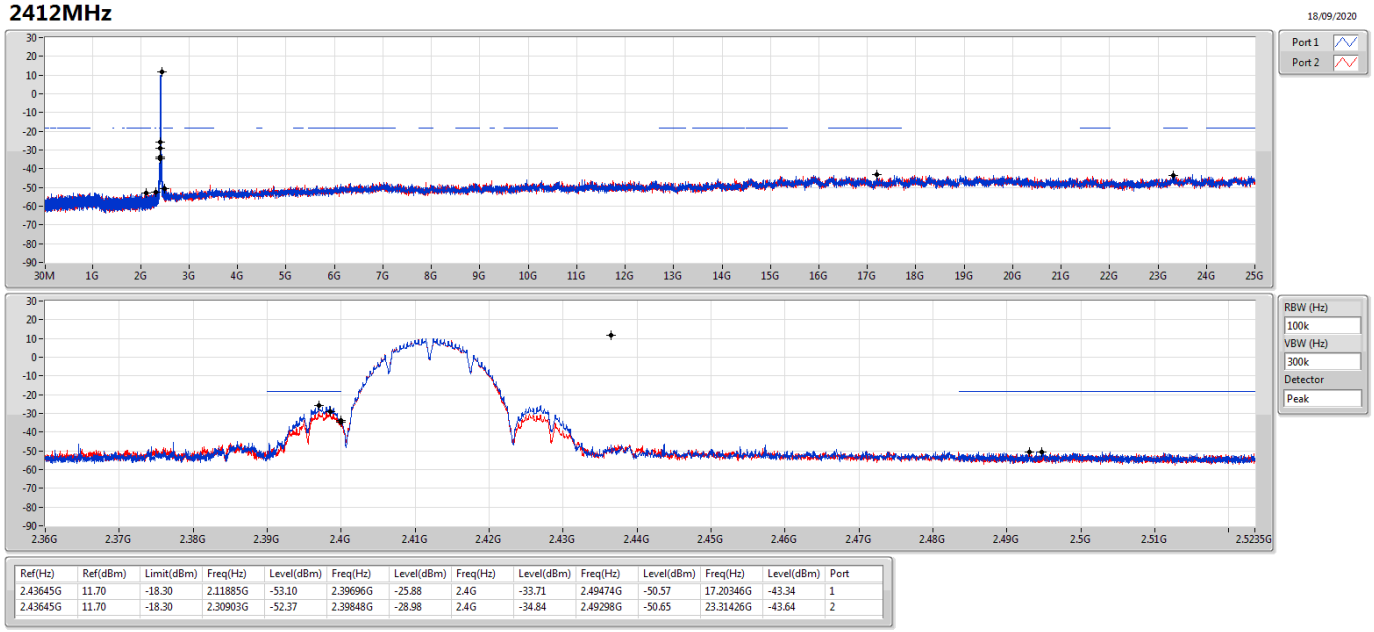
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43645G	11.70	-18.30	2.11885G	-53.10	2.39696G	-25.88	2.4G	-33.71	2.49474G	-50.57	17.20346G	-43.34	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4357G	11.74	-18.26	159.9M	-53.21	2.39982G	-22.59	2.4G	-25.02	2.49058G	-49.76	16.54603G	-43.57	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.4382G	12.07	-17.93	2.19807G	-52.87	2.39946G	-27.34	2.4G	-30.55	2.50604G	-50.69	24.58138G	-43.25	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.43444G	5.19	-24.81	2.30139G	-52.20	2.39948G	-30.16	2.4G	-33.70	2.48354G	-44.81	24.61017G	-43.30	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	2.43645G	11.70	-18.30	2.11885G	-53.10	2.39696G	-25.88	2.4G	-33.71	2.49474G	-50.57	17.20346G	-43.34	1
2412MHz	Pass	2.43645G	11.70	-18.30	2.30903G	-52.37	2.39848G	-28.98	2.4G	-34.84	2.49298G	-50.65	23.31426G	-43.64	2
2437MHz	Pass	2.43645G	11.70	-18.30	823.66M	-52.42	2.4G	-50.19	2.4G	-50.68	2.49198G	-49.53	23.55588G	-43.61	1
2437MHz	Pass	2.43645G	11.70	-18.30	877.83M	-52.19	2.39728G	-49.07	2.4G	-48.31	2.4848G	-48.94	16.3044G	-43.69	2
2462MHz	Pass	2.43645G	11.70	-18.30	639.88M	-52.49	2.39794G	-51.37	2.4835G	-51.54	2.49092G	-48.30	24.98314G	-43.78	1
2462MHz	Pass	2.43645G	11.70	-18.30	1.76702G	-53.14	2.39996G	-48.79	2.4835G	-50.48	2.48898G	-44.64	24.61228G	-43.36	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	11.74	-18.26	1.8841G	-52.35	2.39986G	-24.28	2.4G	-25.56	2.49846G	-49.63	23.34236G	-43.35	1
2412MHz	Pass	2.4357G	11.74	-18.26	159.9M	-53.21	2.39982G	-22.59	2.4G	-25.02	2.49058G	-49.76	16.54603G	-43.57	2
2437MHz	Pass	2.4357G	11.74	-18.26	2.30728G	-52.84	2.39984G	-43.78	2.4835G	-43.69	2.48508G	-42.16	16.2454G	-43.47	1
2437MHz	Pass	2.4357G	11.74	-18.26	943.36M	-52.75	2.39886G	-43.80	2.4G	-47.40	2.48578G	-47.35	23.23279G	-43.70	2
2462MHz	Pass	2.4357G	11.74	-18.26	855.4M	-52.54	2.39452G	-48.79	2.4835G	-44.69	2.48384G	-42.07	24.55328G	-43.45	1
2462MHz	Pass	2.4357G	11.74	-18.26	950.64M	-52.35	2.39086G	-48.10	2.4835G	-45.77	2.48356G	-44.97	16.58255G	-43.37	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4382G	12.07	-17.93	1.94759G	-52.99	2.39982G	-28.52	2.4G	-31.15	2.48798G	-49.11	16.61346G	-42.61	1
2412MHz	Pass	2.4382G	12.07	-17.93	2.19807G	-52.87	2.39946G	-27.34	2.4G	-30.55	2.50604G	-50.69	24.58138G	-43.25	2
2437MHz	Pass	2.4382G	12.07	-17.93	907.54M	-52.91	2.39944G	-42.37	2.4835G	-42.63	2.48352G	-40.07	16.69774G	-42.45	1
2437MHz	Pass	2.4382G	12.07	-17.93	870.55M	-52.76	2.39854G	-44.21	2.4G	-46.73	2.48574G	-44.55	23.30302G	-43.56	2
2462MHz	Pass	2.4382G	12.07	-17.93	891.23M	-53.11	2.39644G	-49.85	2.4835G	-39.67	2.48406G	-39.45	15.18058G	-43.31	1
2462MHz	Pass	2.4382G	12.07	-17.93	802.69M	-52.73	2.39762G	-49.05	2.4835G	-42.82	2.48364G	-42.73	21.70719G	-42.88	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43444G	5.19	-24.81	734.18M	-52.55	2.39792G	-38.91	2.4G	-41.78	2.49982G	-49.55	17.59876G	-43.57	1
2422MHz	Pass	2.43444G	5.19	-24.81	479.99M	-52.71	2.39448G	-37.19	2.4G	-39.51	2.52518G	-50.14	24.80088G	-43.57	2
2437MHz	Pass	2.43444G	5.19	-24.81	793.14M	-53.23	2.39948G	-31.57	2.4G	-36.68	2.48446G	-41.35	16.2105G	-42.35	1
2437MHz	Pass	2.43444G	5.19	-24.81	2.30139G	-52.20	2.39948G	-30.16	2.4G	-33.70	2.48354G	-44.81	24.61017G	-43.30	2
2452MHz	Pass	2.43444G	5.19	-24.81	2.07211G	-53.17	2.39856G	-49.36	2.4835G	-41.39	2.48442G	-37.57	23.33689G	-44.09	1
2452MHz	Pass	2.43444G	5.19	-24.81	767.95M	-52.76	2.39196G	-48.20	2.4835G	-43.39	2.48446G	-39.62	23.33409G	-43.24	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

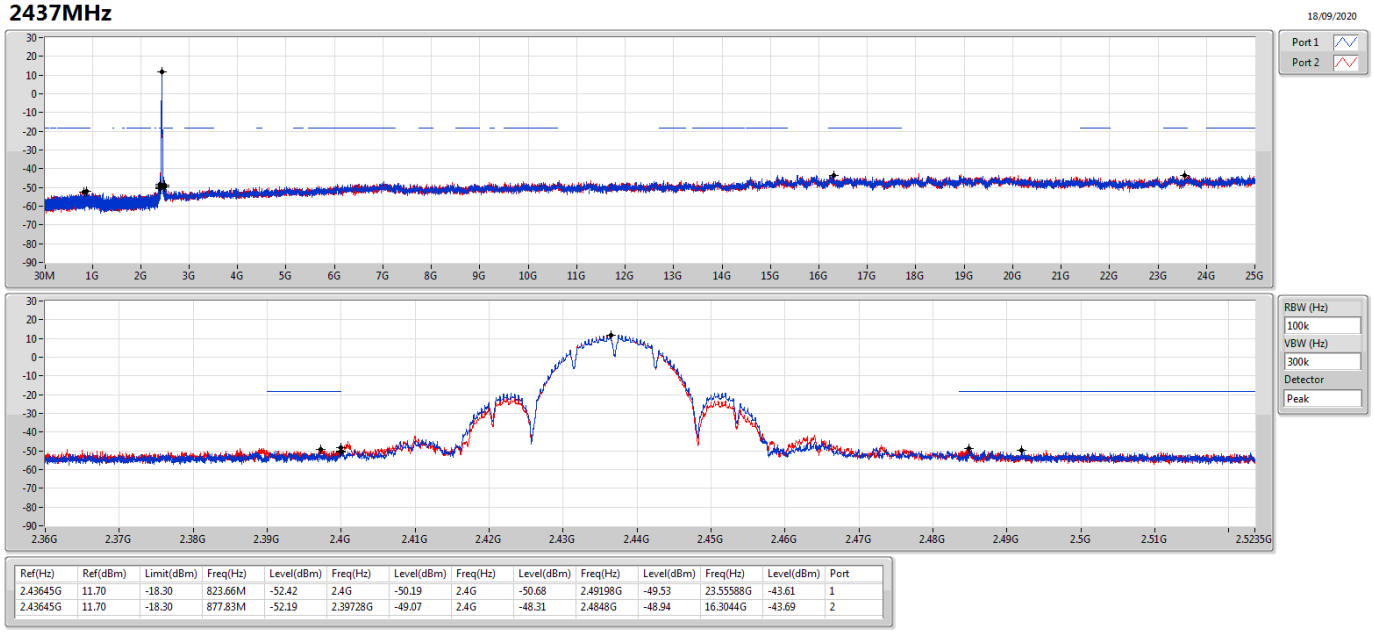
2412MHz



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
2.43645G	11.70	-18.30	2.11885G	-53.10	2.39696G	-25.88	2.4G	-33.71	2.49474G	-50.57	17.20346G	-43.34	1
2.43645G	11.70	-18.30	2.30903G	-52.37	2.39848G	-28.98	2.4G	-34.84	2.49298G	-50.65	23.31426G	-43.64	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

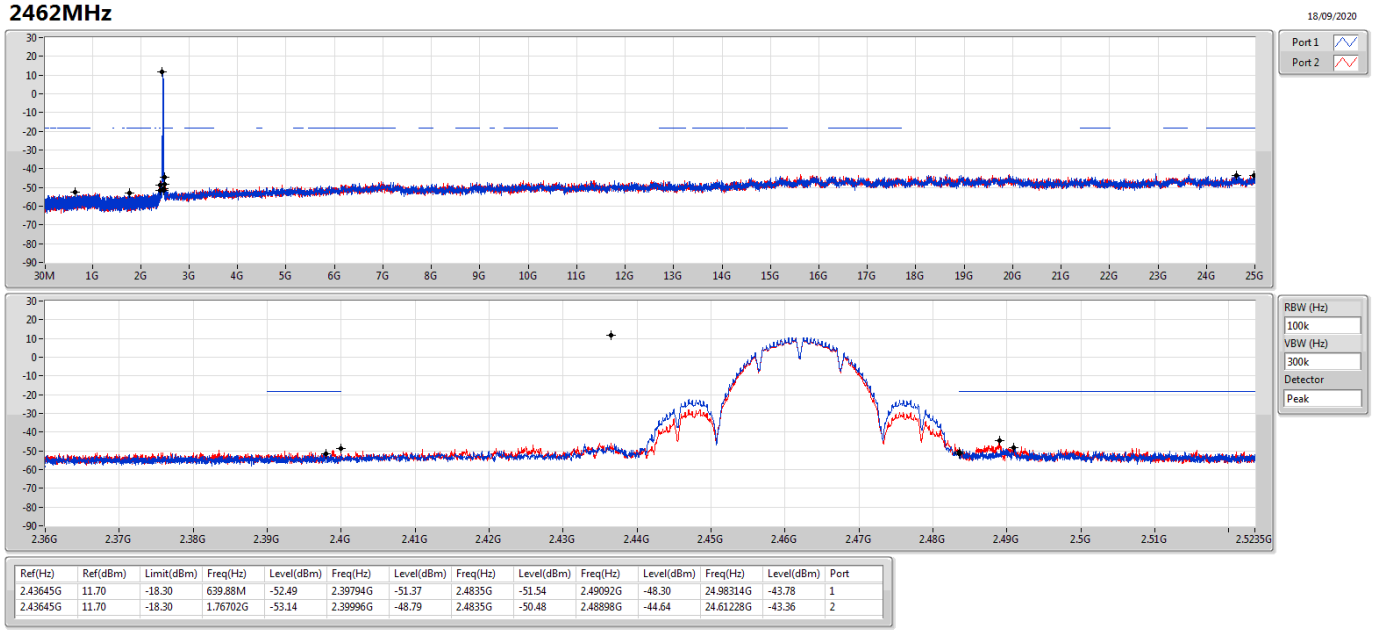
2437MHz



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
2.43645G	11.70	-18.30	823.66M	-52.42	2.4G	-50.19	2.4G	-50.68	2.49198G	-49.53	23.55588G	-43.61	1
2.43645G	11.70	-18.30	877.83M	-52.19	2.39728G	-49.07	2.4G	-48.31	2.4848G	-48.94	16.3044G	-43.69	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

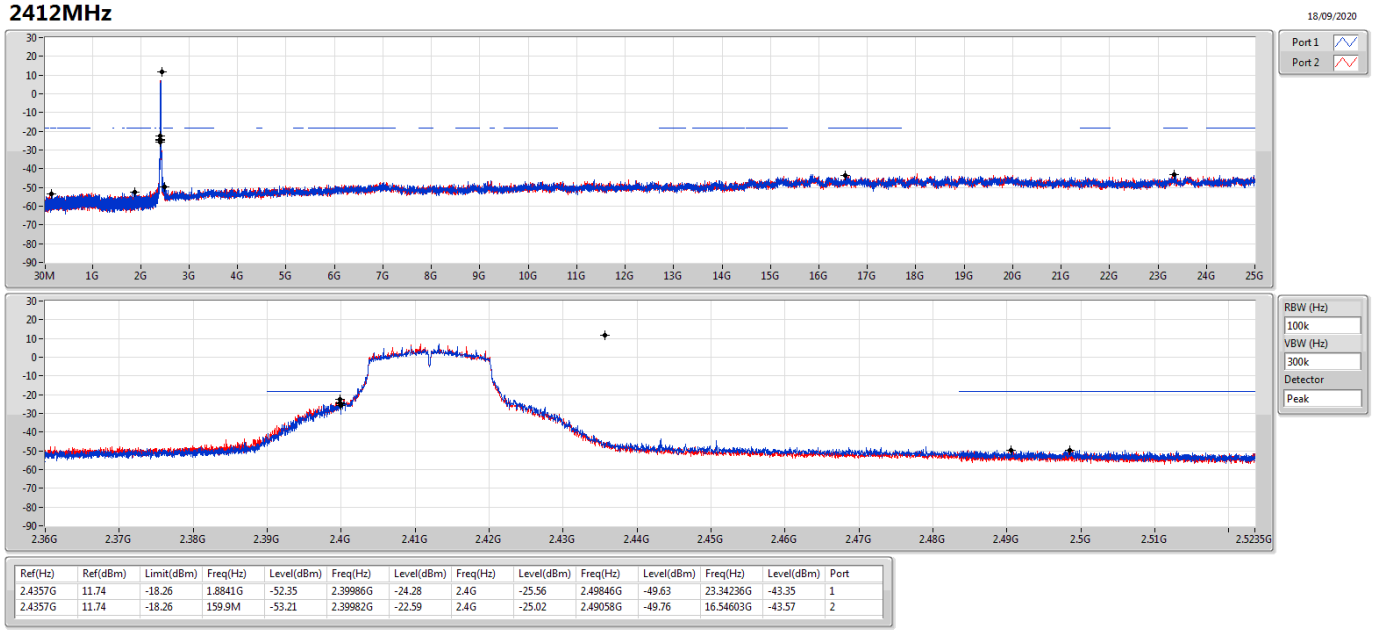
2462MHz



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
2.43645G	11.70	-18.30	639.88M	-52.49	2.39794G	-51.37	2.4835G	-51.54	2.49092G	-48.30	24.98314G	-43.78	1
2.43645G	11.70	-18.30	1.76702G	-53.14	2.39996G	-48.79	2.4835G	-50.48	2.48898G	-44.64	24.61228G	-43.36	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

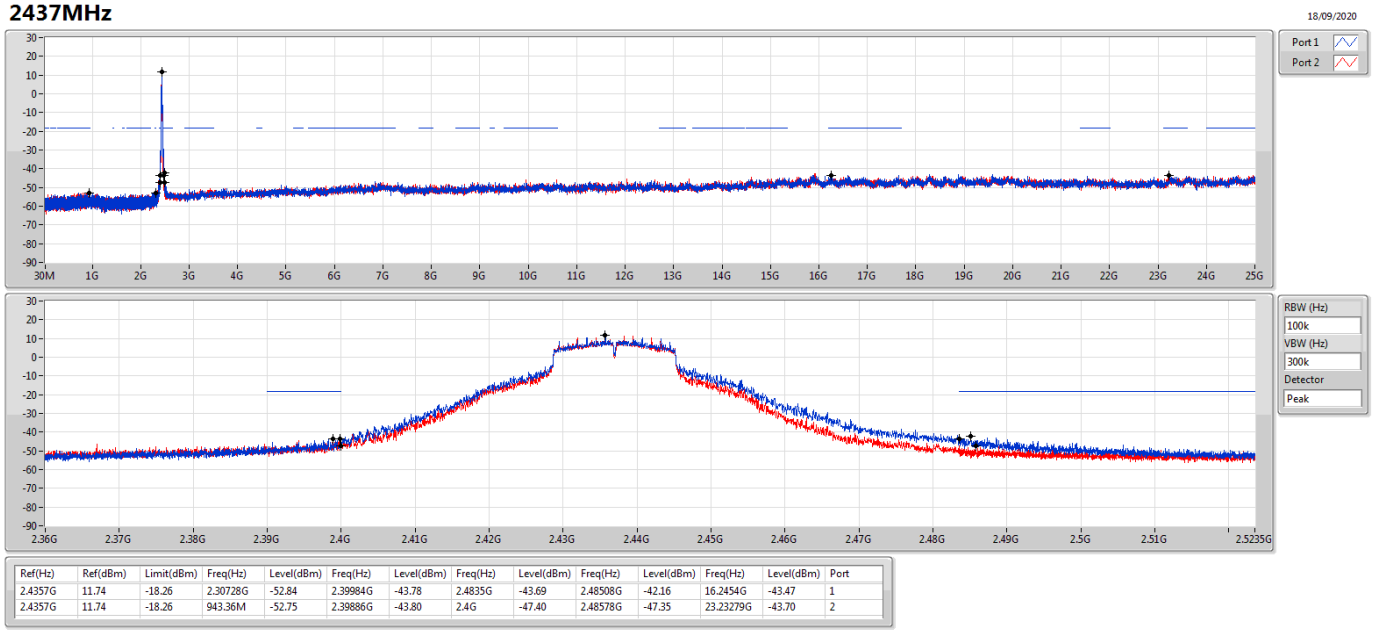
2412MHz



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
2.4357G	11.74	-18.26	1.8841G	-52.35	2.39986G	-24.28	2.4G	-25.56	2.49846G	-49.63	23.34236G	-43.35	1
2.4357G	11.74	-18.26	159.9M	-53.21	2.39982G	-22.59	2.4G	-25.02	2.49058G	-49.76	16.54603G	-43.57	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

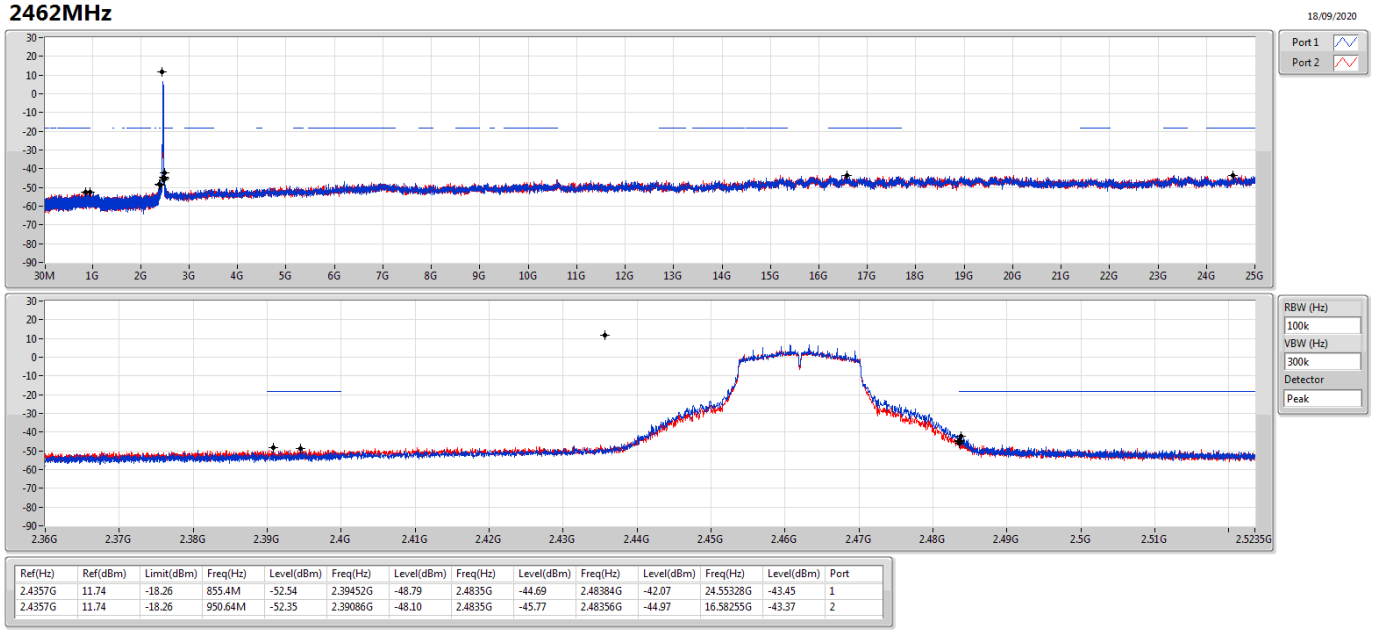
2437MHz



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
2.4357G	11.74	-18.26	2.30728G	-52.84	2.39984G	-43.78	2.4835G	-43.69	2.48508G	-42.16	16.2454G	-43.47	1
2.4357G	11.74	-18.26	943.36M	-52.75	2.39886G	-43.80	2.4G	-47.40	2.48578G	-47.35	23.23279G	-43.70	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

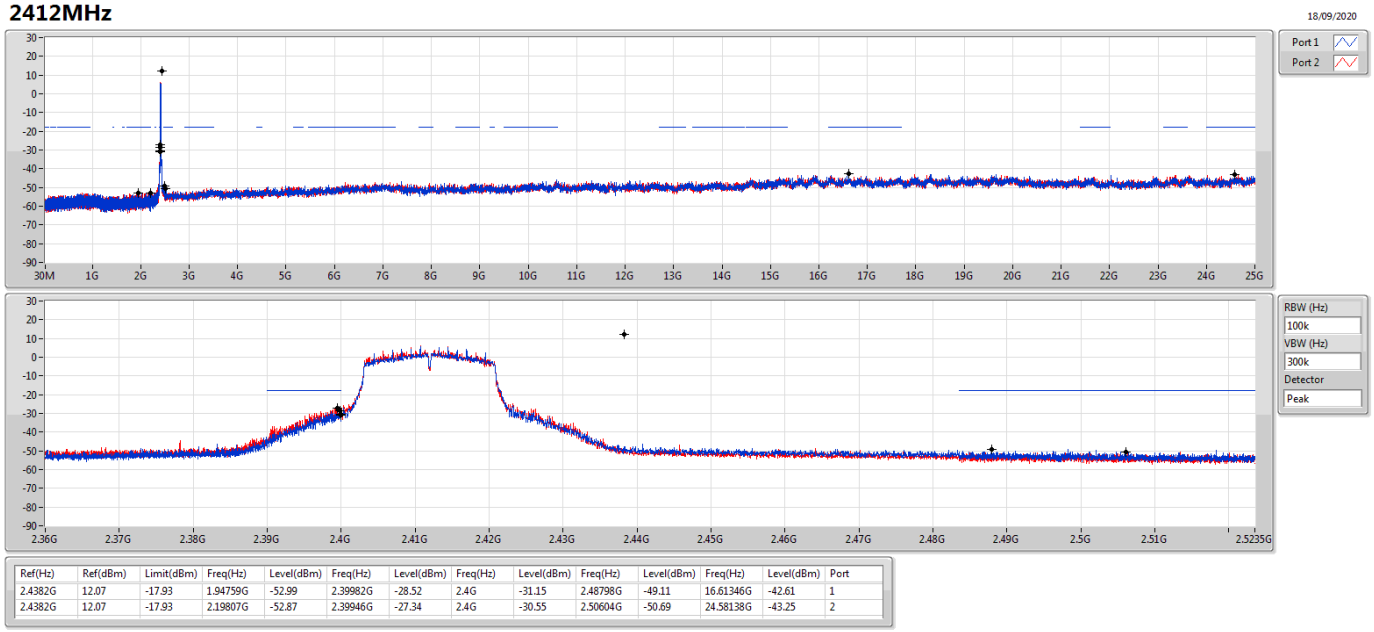
2462MHz



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
2.4357G	11.74	-18.26	855.4M	-52.54	2.39452G	-48.79	2.4835G	-44.69	2.48384G	-42.07	24.55328G	-43.45	1
2.4357G	11.74	-18.26	950.64M	-52.35	2.39086G	-48.10	2.4835G	-45.77	2.48356G	-44.97	16.58255G	-43.37	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

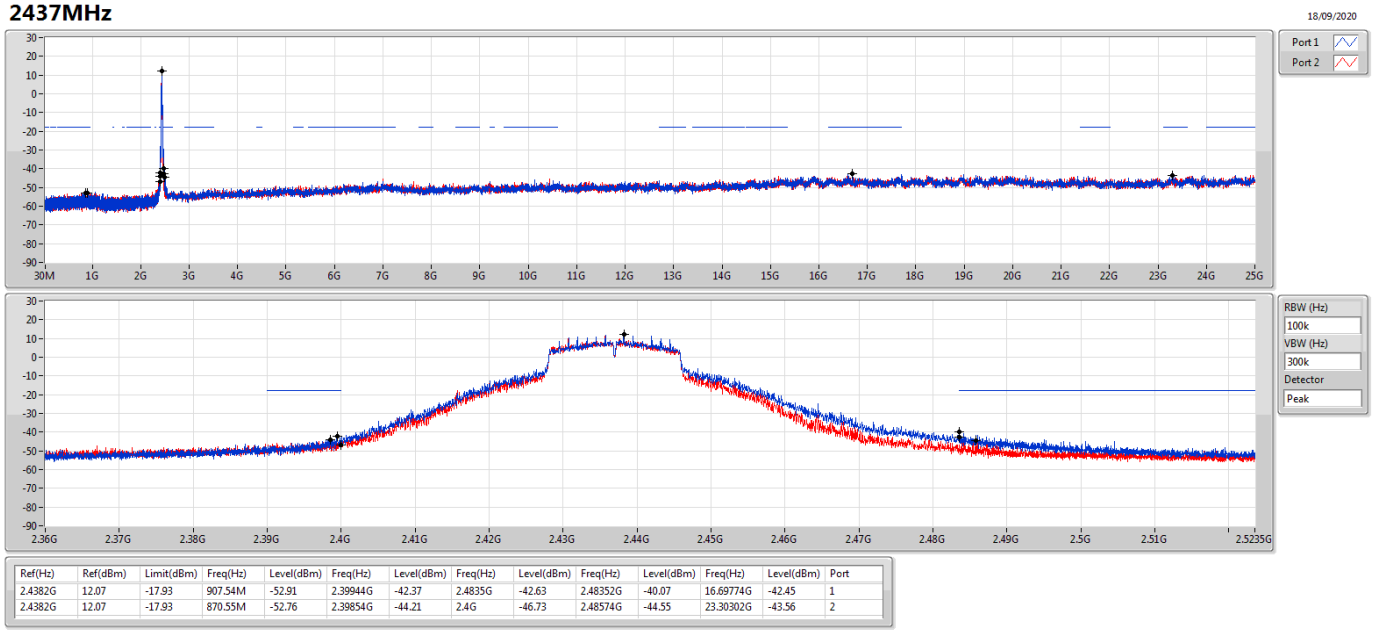
2412MHz



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
2.4382G	12.07	-17.93	1.94759G	-52.99	2.39982G	-28.52	2.4G	-31.15	2.48798G	-49.11	16.61346G	-42.61	1
2.4382G	12.07	-17.93	2.19807G	-52.87	2.39946G	-27.34	2.4G	-30.55	2.50604G	-50.69	24.58138G	-43.25	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

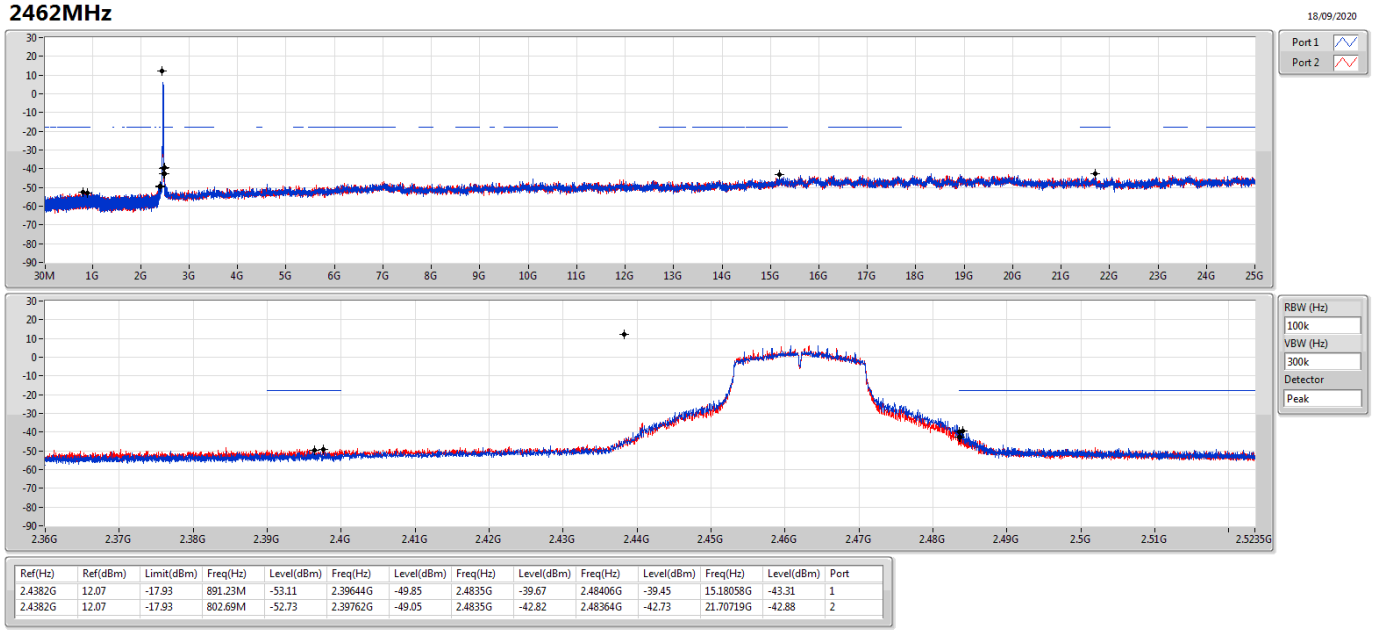
2437MHz



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
2.4382G	12.07	-17.93	907.54M	-52.91	2.39944G	-42.37	2.4835G	-42.63	2.48352G	-40.07	16.69774G	-42.45	1
2.4382G	12.07	-17.93	870.55M	-52.76	2.39854G	-44.21	2.4G	-46.73	2.48574G	-44.55	23.30302G	-43.56	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

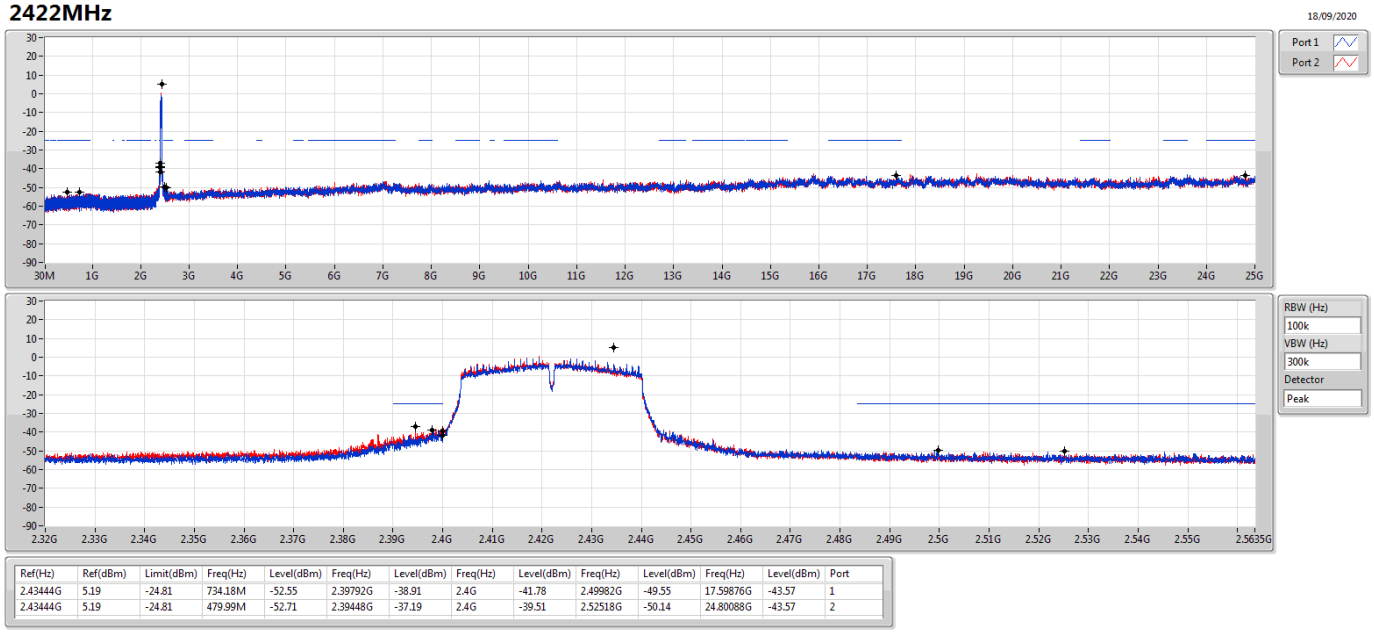
2462MHz



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
2.4382G	12.07	-17.93	891.23M	-53.11	2.39644G	-49.85	2.4835G	-39.67	2.48406G	-39.45	15.18058G	-43.31	1
2.4382G	12.07	-17.93	802.69M	-52.73	2.39762G	-49.05	2.4835G	-42.82	2.48364G	-42.73	21.70719G	-42.88	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

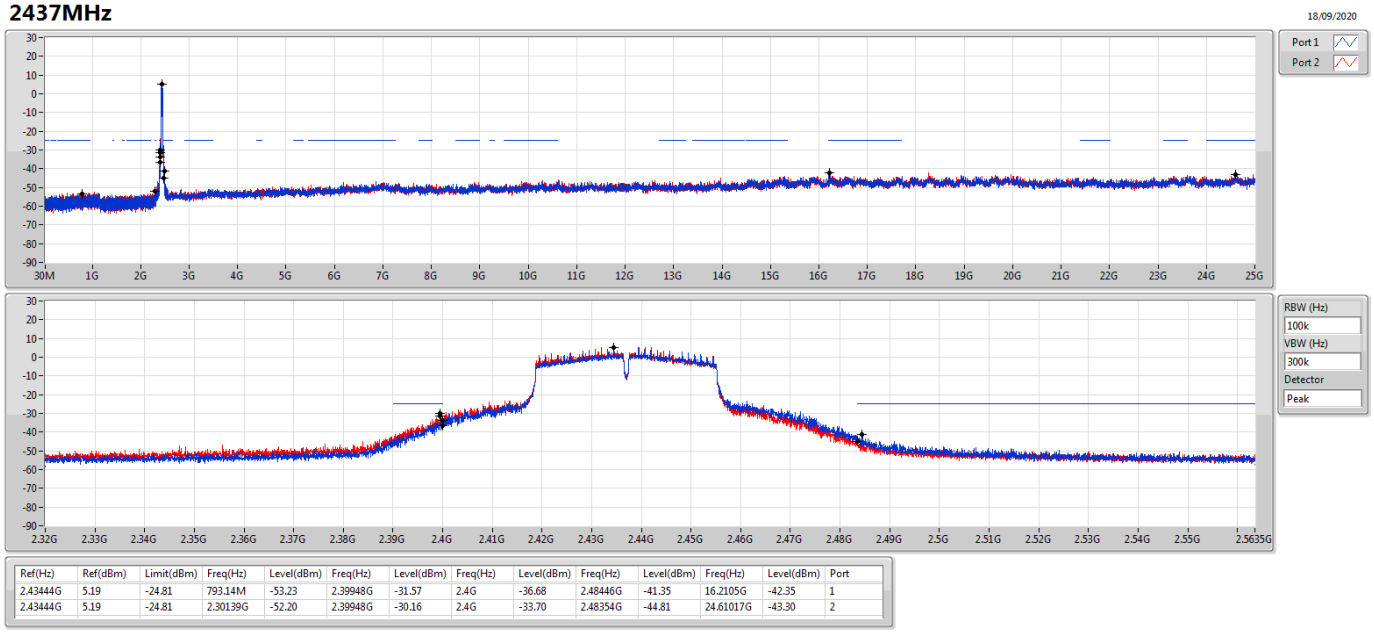
2422MHz



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
2.43444G	5.19	-24.81	734.18M	-52.55	2.39792G	-38.91	2.4G	-41.78	2.49982G	-49.55	17.59876G	-43.57	1
2.43444G	5.19	-24.81	479.99M	-52.71	2.39448G	-37.19	2.4G	-39.51	2.52518G	-50.14	24.80088G	-43.57	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

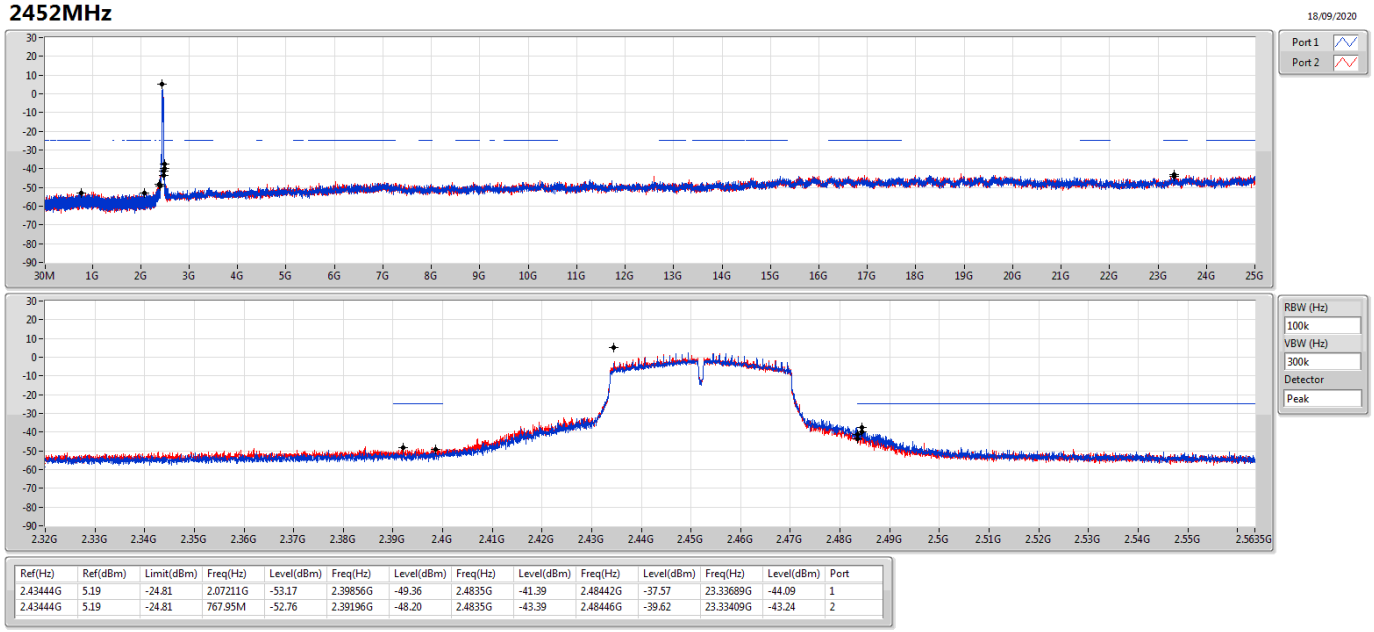
2437MHz



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
2.43444G	5.19	-24.81	793.14M	-53.23	2.39948G	-31.57	2.4G	-36.68	2.48446G	-41.35	16.2105G	-42.35	1
2.43444G	5.19	-24.81	2.30139G	-52.20	2.39948G	-30.16	2.4G	-33.70	2.48354G	-44.81	24.61017G	-43.30	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



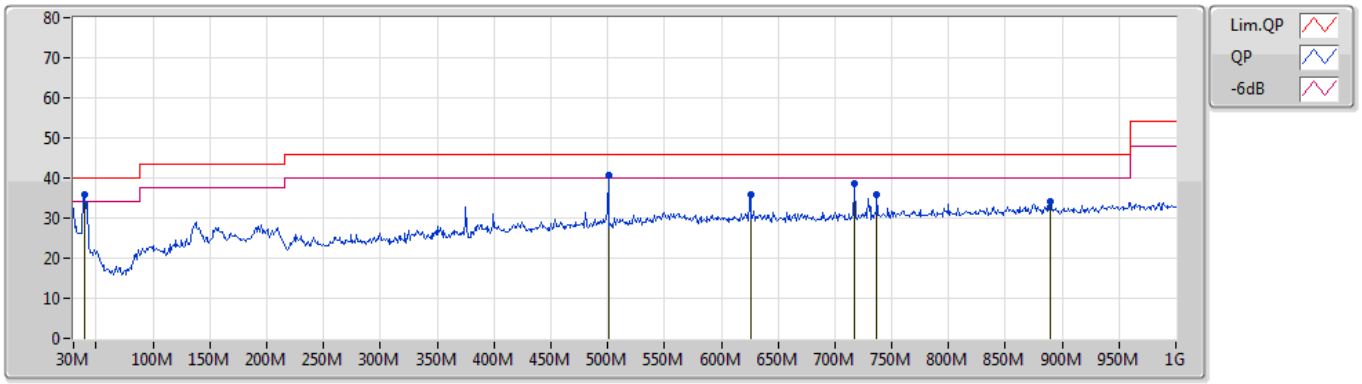
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	5.19	-24.81	2.07211G	-53.17	2.39856G	-49.36	2.4835G	-41.39	2.48442G	-37.57	23.33689G	-44.09	1
2.43444G	5.19	-24.81	767.95M	-52.76	2.39196G	-48.20	2.4835G	-43.39	2.48446G	-39.62	23.33409G	-43.24	2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	39.7M	35.81	40.00	-4.19	Vertical

Mode 2

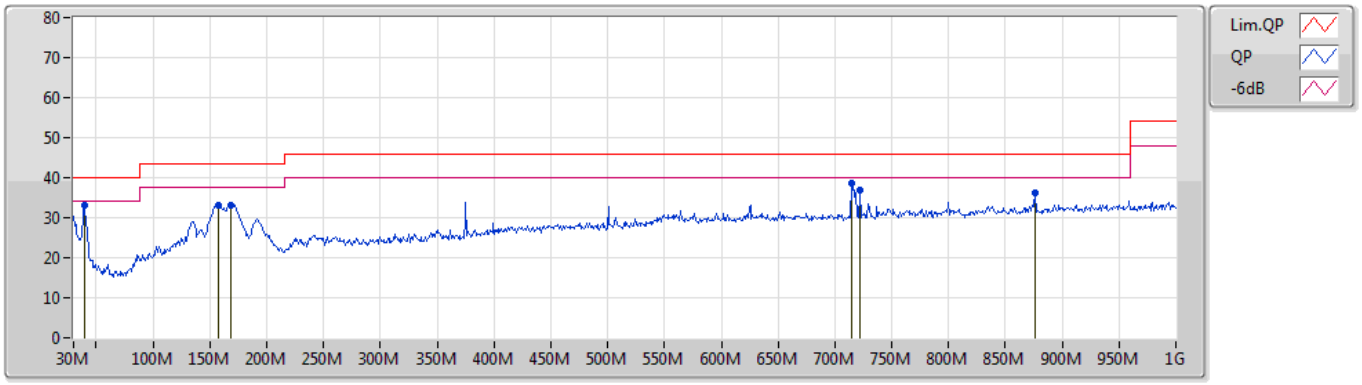
23/09/2020



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/m)	(dB/m)	(dB)	(dB)
PK	39.7M	35.81	40.00	-4.19	-8.42	3	Vertical	138	1.25	"Worst"	44.23	19.42	0.70	28.54
PK	500.45M	40.71	46.00	-5.29	-2.91	3	Vertical	256	1.00	-	43.62	23.53	2.80	29.24
PK	625.58M	35.90	46.00	-10.10	-0.84	3	Vertical	204	1.50	-	36.74	25.37	3.25	29.46
PK	717.73M	38.73	46.00	-7.27	-0.51	3	Vertical	0	1.00	-	39.24	25.31	3.47	29.29
PK	737.13M	35.89	46.00	-10.11	0.03	3	Vertical	100	3.00	-	35.86	25.78	3.55	29.30
PK	889.42M	34.06	46.00	-11.94	1.52	3	Vertical	341	3.00	-	32.54	26.46	3.88	28.82

Mode 2

23/09/2020



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/m)	(dB/m)	(dB)	(dB)
PK	39.7M	33.01	40.00	-6.99	-8.42	3	Horizontal	8	1.25	"Worst"	41.43	19.42	0.70	28.54
PK	158.04M	33.23	43.50	-10.27	-10.77	3	Horizontal	284	2.00	-	44.00	15.99	1.59	28.35
PK	168.71M	33.24	43.50	-10.26	-11.06	3	Horizontal	263	1.50	-	44.30	15.56	1.64	28.26
PK	714.82M	38.70	46.00	-7.30	-0.60	3	Horizontal	209	3.00	-	39.30	25.23	3.46	29.29
PK	722.58M	36.73	46.00	-9.27	-0.36	3	Horizontal	0	3.00	-	37.09	25.44	3.49	29.29
PK	875.84M	36.18	46.00	-9.82	1.42	3	Horizontal	263	1.00	-	34.76	26.46	3.85	28.89

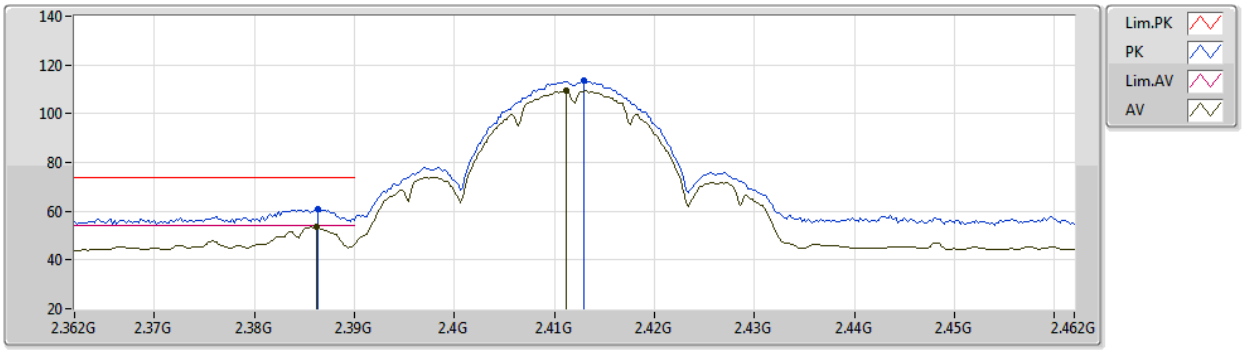
Summary

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 HT40_Nss1,(MCS0)_2TX	Pass	AV	2.4848G	53.96	54.00	-0.04	3	Vertical	268	1.91	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

16/09/2020



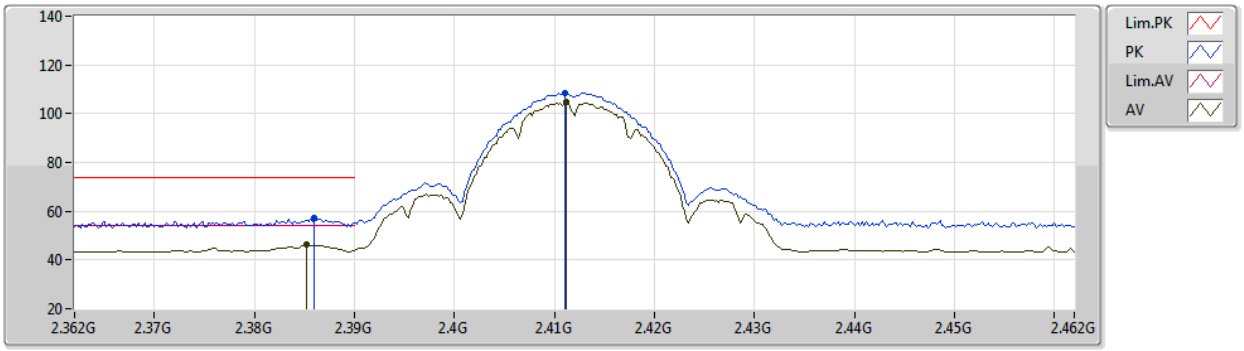
EUT Y_2TX
Setting 23
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3864G	60.81	74.00	-13.19	30.01	3	Vertical	271	1.80	-	27.51	3.29	-
AV	2.3862G	53.57	54.00	-0.43	22.77	3	Vertical	271	1.80	-	27.51	3.29	-
PK	2.413G	113.50	Inf	-Inf	82.64	3	Vertical	271	1.80	-	27.55	3.31	-
AV	2.4112G	109.49	Inf	-Inf	78.64	3	Vertical	271	1.80	-	27.54	3.31	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

16/09/2020



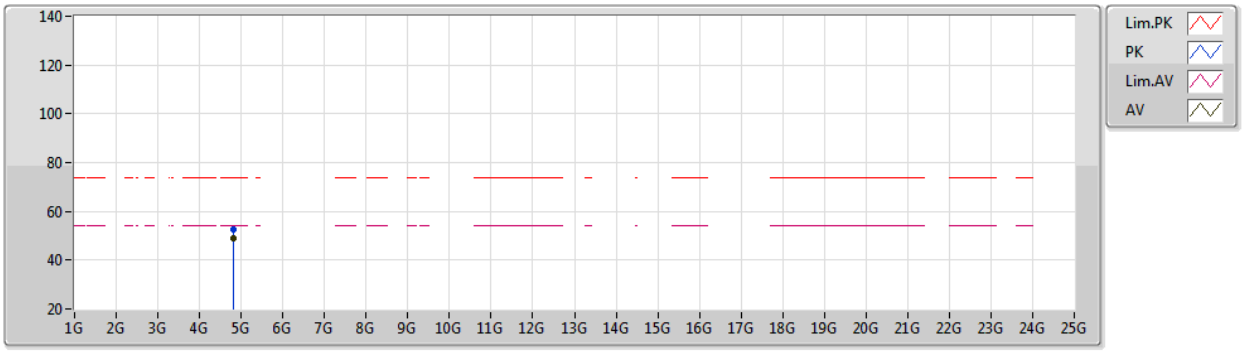
EUT Y_2TX
Setting 23
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.386G	57.35	74.00	-16.65	26.55	3	Horizontal	293	1.80	-	27.51	3.29	-
AV	2.3852G	46.31	54.00	-7.69	15.51	3	Horizontal	293	1.80	-	27.51	3.29	-
PK	2.411G	108.66	Inf	-Inf	77.81	3	Horizontal	293	1.80	-	27.54	3.31	-
AV	2.4112G	104.82	Inf	-Inf	73.97	3	Horizontal	293	1.80	-	27.54	3.31	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

16/09/2020



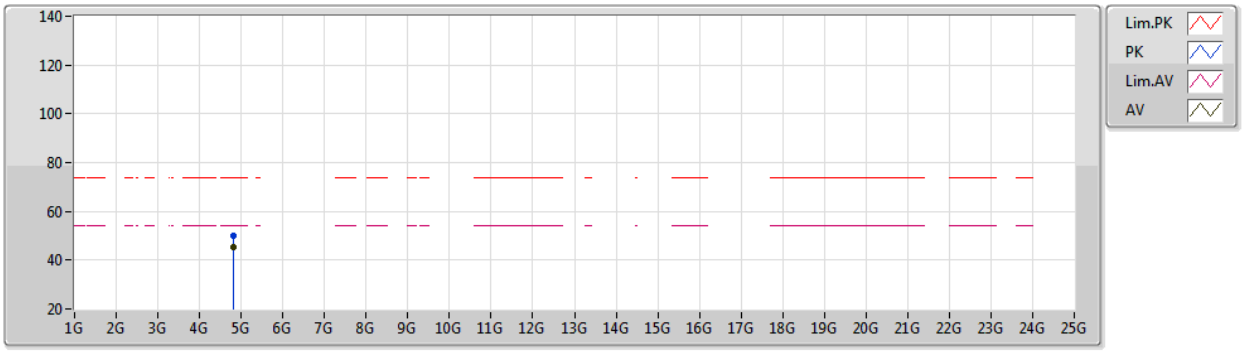
EUT Y_2TX
Setting 23
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82396G	52.60	74.00	-21.40	48.06	3	Vertical	317	1.02	-	32.60	4.82	32.88
AV	4.82392G	49.10	54.00	-4.90	44.56	3	Vertical	317	1.02	-	32.60	4.82	32.88

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

16/09/2020



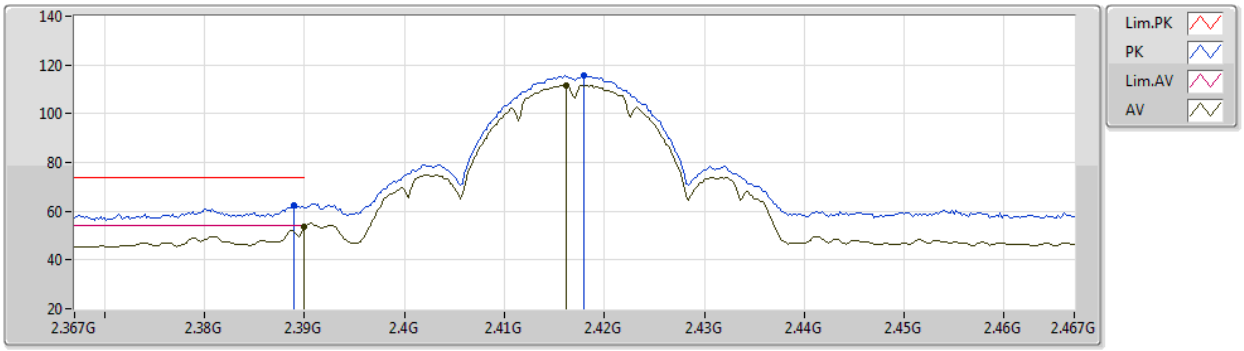
EUT Y_2TX
Setting 23
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.824G	50.10	74.00	-23.90	45.56	3	Horizontal	175	1.80	-	32.60	4.82	32.88
AV	4.82393G	45.35	54.00	-8.65	40.81	3	Horizontal	175	1.80	-	32.60	4.82	32.88

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

16/09/2020



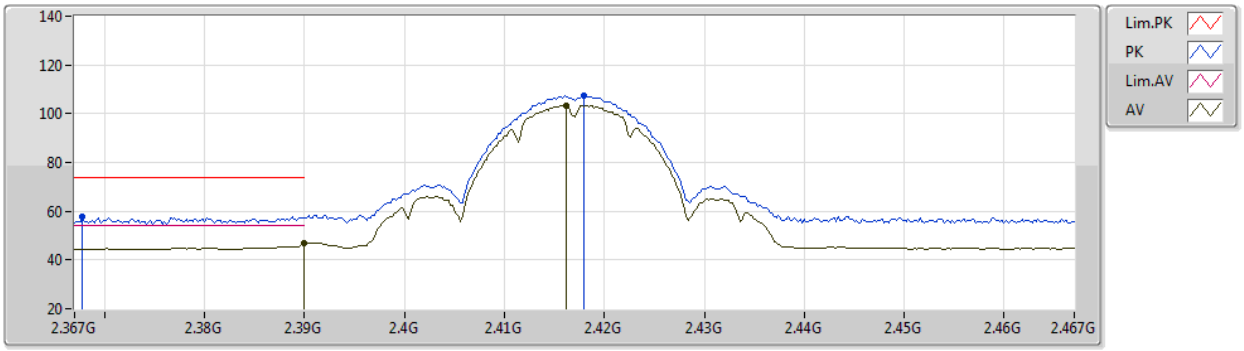
EUT Y_2TX
Setting 24
03-C-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	62.47	74.00	-11.53	30.38	3	Vertical	229	2.25	-	28.10	3.99	-
AV	2.39G	53.53	54.00	-0.47	21.43	3	Vertical	229	2.25	-	28.10	4.00	-
PK	2.418G	115.78	Inf	-Inf	83.61	3	Vertical	229	2.25	-	28.14	4.03	-
AV	2.4162G	111.63	Inf	-Inf	79.48	3	Vertical	229	2.25	-	28.13	4.02	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

16/09/2020



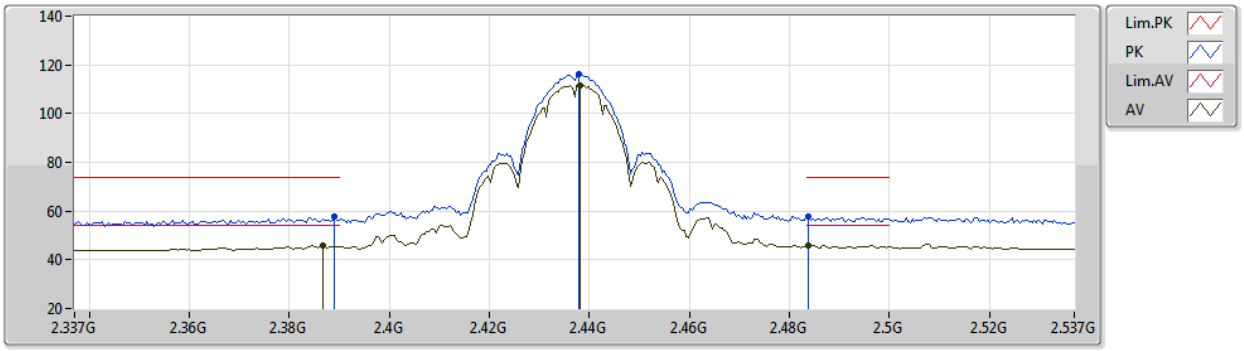
EUT Y_2TX
Setting 24
03-C-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3678G	57.54	74.00	-16.46	25.46	3	Horizontal	301	1.06	-	28.10	3.98	-
AV	2.39G	46.90	54.00	-7.10	14.80	3	Horizontal	301	1.06	-	28.10	4.00	-
PK	2.418G	107.49	Inf	-Inf	75.32	3	Horizontal	301	1.06	-	28.14	4.03	-
AV	2.4162G	103.41	Inf	-Inf	71.26	3	Horizontal	301	1.06	-	28.13	4.02	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

16/09/2020



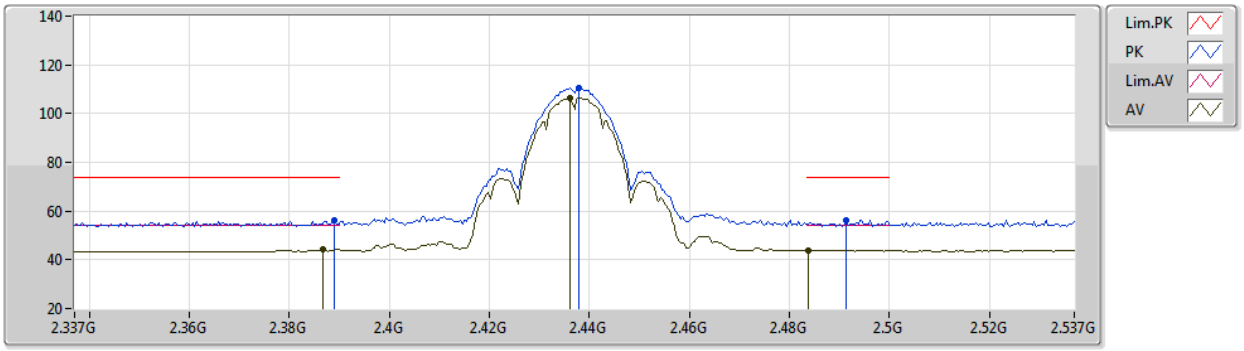
EUT Y_2TX
Setting 27
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	57.61	74.00	-16.39	26.81	3	Vertical	269	1.80	-	27.51	3.29	-
AV	2.3866G	45.65	54.00	-8.35	14.85	3	Vertical	269	1.80	-	27.51	3.29	-
PK	2.4378G	115.95	Inf	-Inf	84.98	3	Vertical	269	1.80	-	27.65	3.32	-
AV	2.4382G	111.74	Inf	-Inf	80.77	3	Vertical	269	1.80	-	27.65	3.32	-
PK	2.4838G	57.65	74.00	-16.35	26.47	3	Vertical	269	1.80	-	27.84	3.34	-
AV	2.4838G	46.10	54.00	-7.90	14.92	3	Vertical	269	1.80	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

16/09/2020



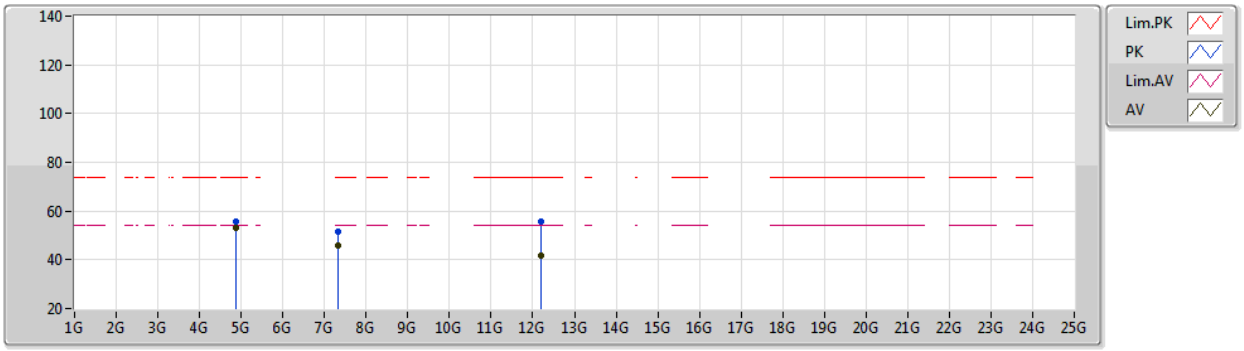
EUT Y_2TX
Setting 27
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.389G	56.20	74.00	-17.80	25.40	3	Horizontal	294	2.30	-	27.51	3.29	-
AV	2.3866G	44.10	54.00	-9.90	13.30	3	Horizontal	294	2.30	-	27.51	3.29	-
PK	2.4378G	110.51	Inf	-Inf	79.54	3	Horizontal	294	2.30	-	27.65	3.32	-
AV	2.4362G	106.40	Inf	-Inf	75.44	3	Horizontal	294	2.30	-	27.64	3.32	-
PK	2.4914G	56.43	74.00	-17.57	25.21	3	Horizontal	294	2.30	-	27.87	3.35	-
AV	2.4838G	43.91	54.00	-10.09	12.73	3	Horizontal	294	2.30	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

16/09/2020



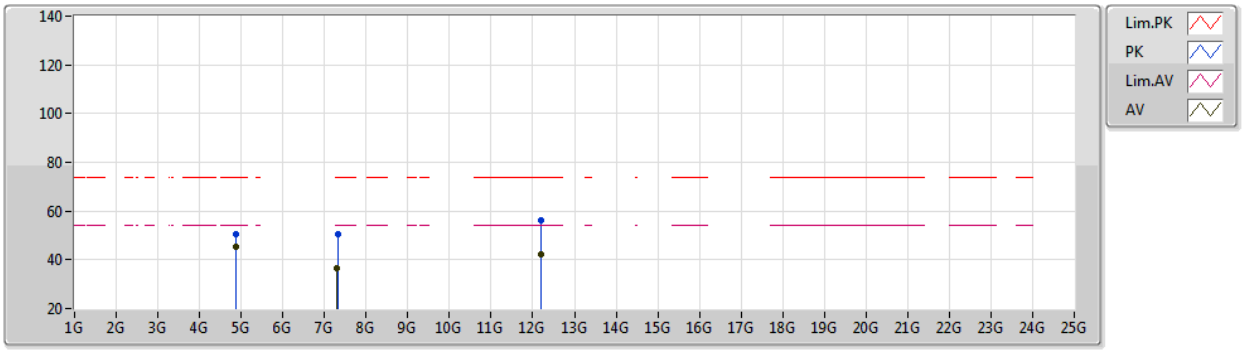
EUT Y_2TX
Setting 27
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87386G	55.49	74.00	-18.51	50.71	3	Vertical	319	1.88	-	32.80	4.85	32.87
AV	4.87394G	53.26	54.00	-0.74	48.48	3	Vertical	319	1.88	-	32.80	4.85	32.87
PK	7.3109G	51.31	74.00	-22.69	41.27	3	Vertical	105	1.99	-	37.51	5.88	33.35
AV	7.31145G	45.80	54.00	-8.20	35.76	3	Vertical	105	1.99	-	37.51	5.88	33.35
PK	12.18788G	55.61	74.00	-18.39	42.88	3	Vertical	225	1.80	-	39.05	8.00	34.32
AV	12.18396G	41.74	54.00	-12.26	29.01	3	Vertical	225	1.80	-	39.05	8.00	34.32

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

16/09/2020



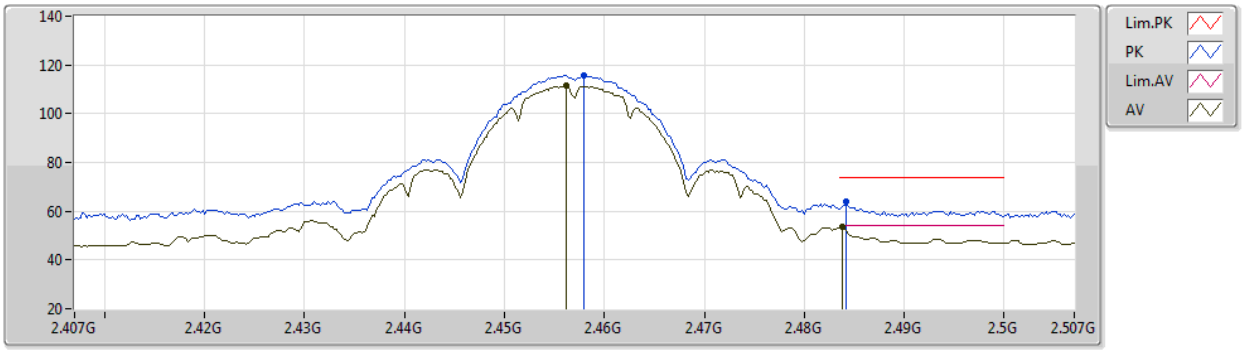
EUT Y_2TX
Setting 27
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87392G	50.26	74.00	-23.74	45.48	3	Horizontal	248	1.80	-	32.80	4.85	32.87
AV	4.87394G	45.42	54.00	-8.58	40.64	3	Horizontal	248	1.80	-	32.80	4.85	32.87
PK	7.31032G	50.26	74.00	-23.74	40.22	3	Horizontal	307	1.56	-	37.51	5.88	33.35
AV	7.31011G	36.81	54.00	-17.19	26.77	3	Horizontal	307	1.56	-	37.51	5.88	33.35
PK	12.1847G	56.26	74.00	-17.74	43.53	3	Horizontal	68	1.80	-	39.05	8.00	34.32
AV	12.18559G	42.00	54.00	-12.00	29.27	3	Horizontal	68	1.80	-	39.05	8.00	34.32

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

16/09/2020



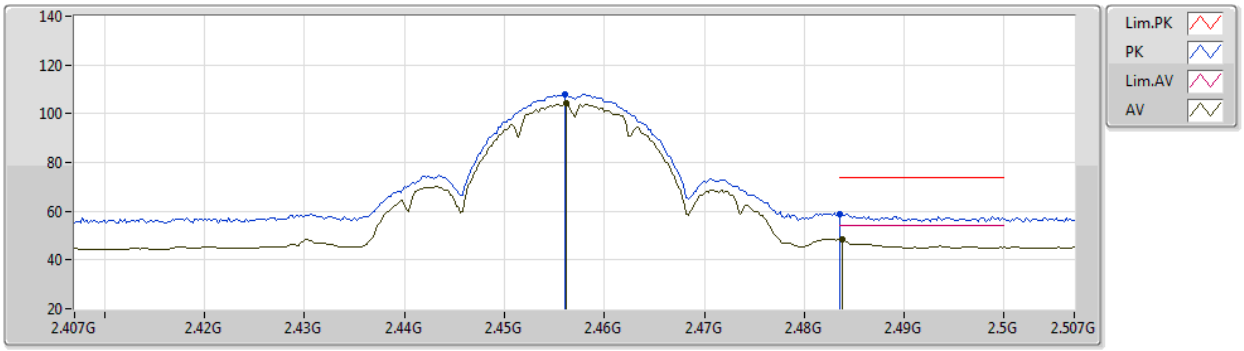
EUT Y_2TX
Setting 27
03-C-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.458G	115.74	Inf	-Inf	83.40	3	Vertical	228	2.23	-	28.25	4.09	-
AV	2.4562G	111.38	Inf	-Inf	79.06	3	Vertical	228	2.23	-	28.24	4.08	-
PK	2.4842G	63.89	74.00	-10.11	31.35	3	Vertical	228	2.23	-	28.41	4.13	-
AV	2.4838G	53.71	54.00	-0.29	21.18	3	Vertical	228	2.23	-	28.40	4.13	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

16/09/2020



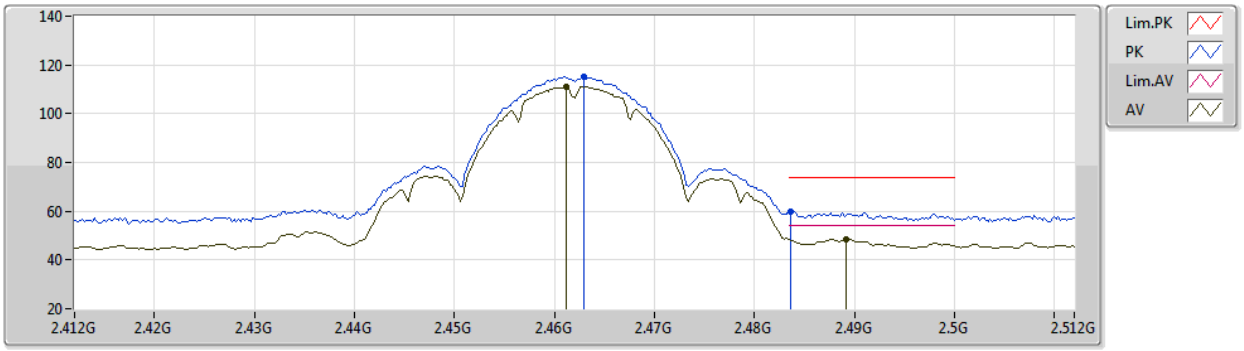
EUT Y_2TX
Setting 27
03-C-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.456G	108.01	Inf	-Inf	75.69	3	Horizontal	283	1.07	-	28.24	4.08	-
AV	2.4562G	104.09	Inf	-Inf	71.77	3	Horizontal	283	1.07	-	28.24	4.08	-
PK	2.4836G	58.73	74.00	-15.27	26.20	3	Horizontal	283	1.07	-	28.40	4.13	-
AV	2.4838G	48.61	54.00	-5.39	16.08	3	Horizontal	283	1.07	-	28.40	4.13	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

16/09/2020



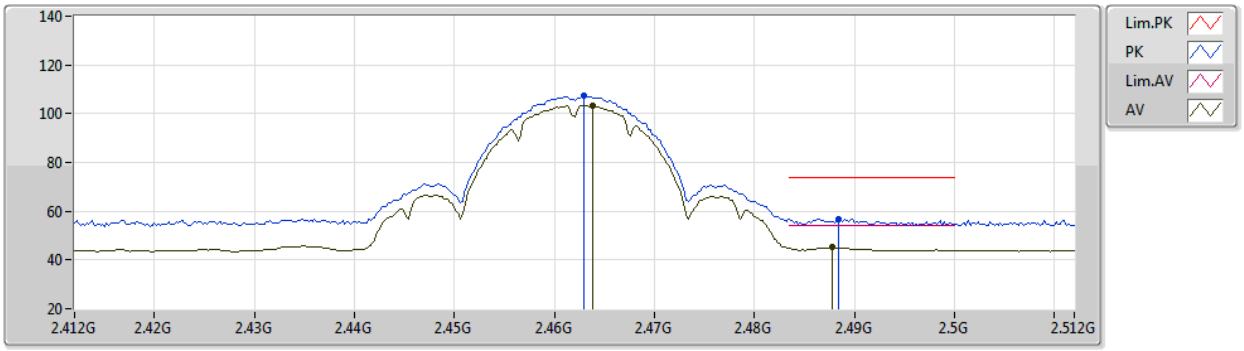
EUT Y_2TX
Setting 25
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	115.06	Inf	-Inf	83.98	3	Vertical	272	2.17	-	27.75	3.33	-
AV	2.4612G	111.08	Inf	-Inf	80.01	3	Vertical	272	2.17	-	27.74	3.33	-
PK	2.4836G	59.95	74.00	-14.05	28.78	3	Vertical	272	2.17	-	27.83	3.34	-
AV	2.4892G	48.61	54.00	-5.39	17.41	3	Vertical	272	2.17	-	27.86	3.34	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

16/09/2020



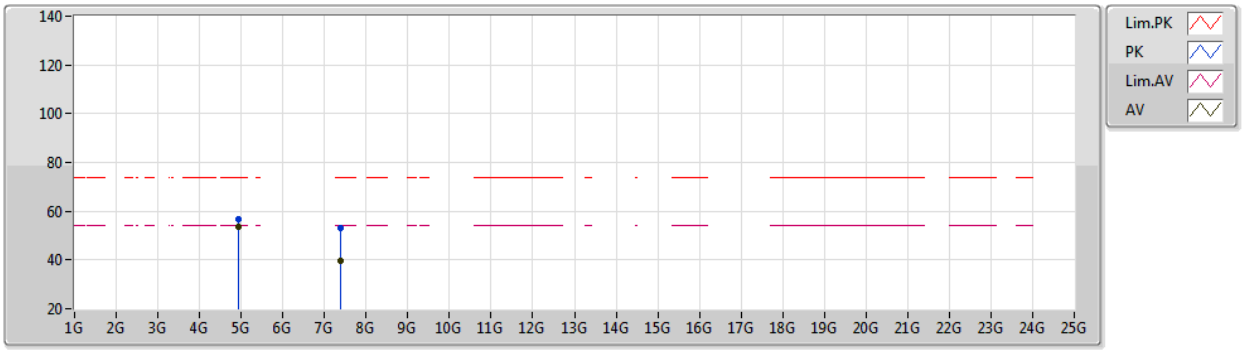
EUT Y_2TX
Setting 25
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	107.42	Inf	-Inf	76.34	3	Horizontal	289	1.00	-	27.75	3.33	-
AV	2.4638G	103.33	Inf	-Inf	72.24	3	Horizontal	289	1.00	-	27.76	3.33	-
PK	2.4884G	56.94	74.00	-17.06	25.75	3	Horizontal	289	1.00	-	27.85	3.34	-
AV	2.4878G	45.10	54.00	-8.90	13.91	3	Horizontal	289	1.00	-	27.85	3.34	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

16/09/2020



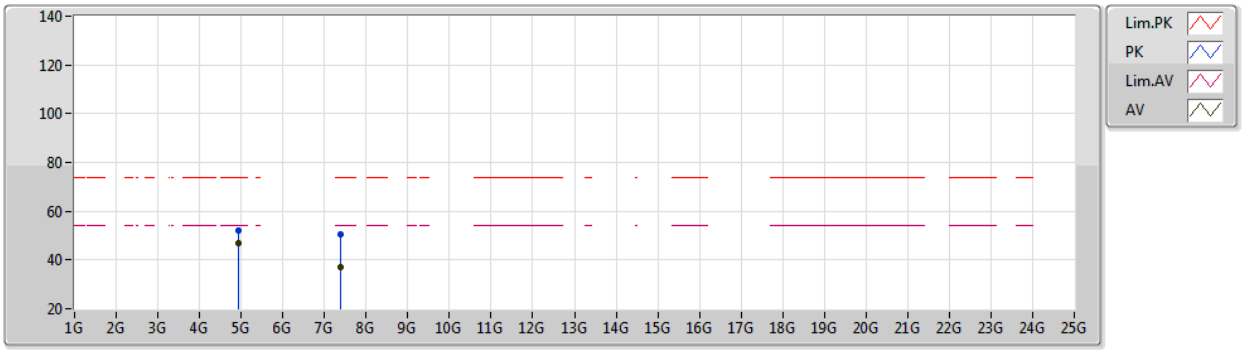
EUT Y_2TX
Setting 25
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92397G	56.61	74.00	-17.39	51.65	3	Vertical	320	1.82	-	32.95	4.88	32.87
AV	4.92389G	53.51	54.00	-0.49	48.55	3	Vertical	320	1.82	-	32.95	4.88	32.87
PK	7.38398G	52.90	74.00	-21.10	42.81	3	Vertical	16	2.62	-	37.58	5.91	33.40
AV	7.38504G	39.52	54.00	-14.48	29.42	3	Vertical	16	2.62	-	37.59	5.91	33.40

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

16/09/2020



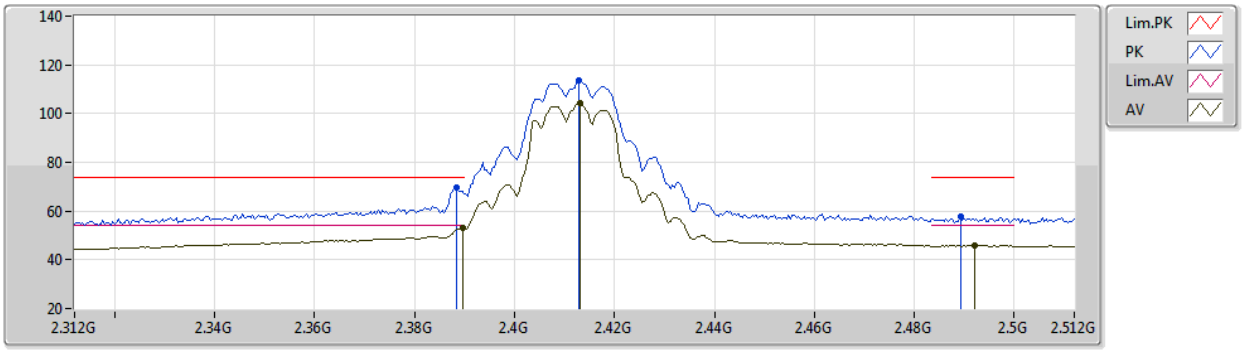
EUT Y_2TX
Setting 25
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.924G	51.90	74.00	-22.10	46.94	3	Horizontal	245	1.86	-	32.95	4.88	32.87
AV	4.92392G	46.66	54.00	-7.34	41.70	3	Horizontal	245	1.86	-	32.95	4.88	32.87
PK	7.38478G	50.73	74.00	-23.27	40.64	3	Horizontal	219	1.07	-	37.58	5.91	33.40
AV	7.3879G	36.95	54.00	-17.05	26.85	3	Horizontal	219	1.07	-	37.59	5.91	33.40

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

16/09/2020



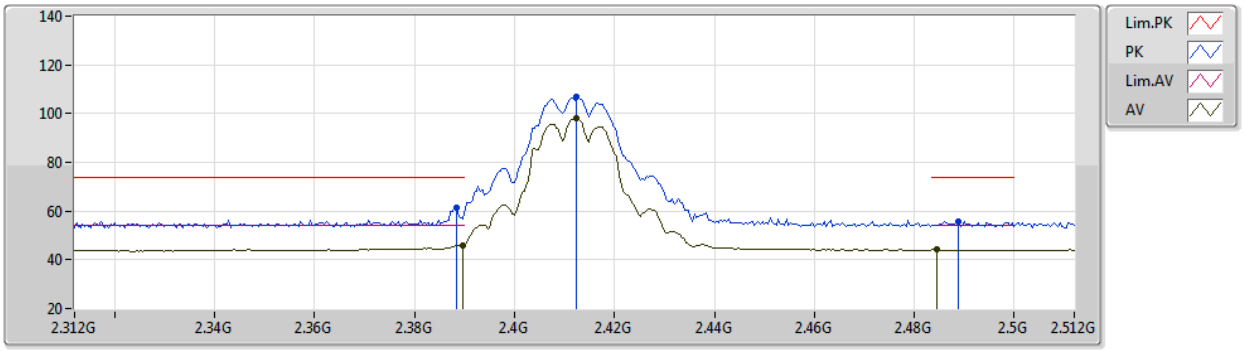
EUT Y_2TX
Setting 20
04-D-P-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	69.85	74.00	-4.15	39.05	3	Vertical	279	2.47	-	27.51	3.29	-
AV	2.3896G	53.16	54.00	-0.84	22.36	3	Vertical	279	2.47	-	27.51	3.29	-
PK	2.4128G	113.66	Inf	-Inf	82.80	3	Vertical	279	2.47	-	27.55	3.31	-
AV	2.4132G	104.52	Inf	-Inf	73.66	3	Vertical	279	2.47	-	27.55	3.31	-
PK	2.4892G	57.86	74.00	-16.14	26.66	3	Vertical	279	2.47	-	27.86	3.34	-
AV	2.492G	45.82	54.00	-8.18	14.60	3	Vertical	279	2.47	-	27.87	3.35	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

16/09/2020



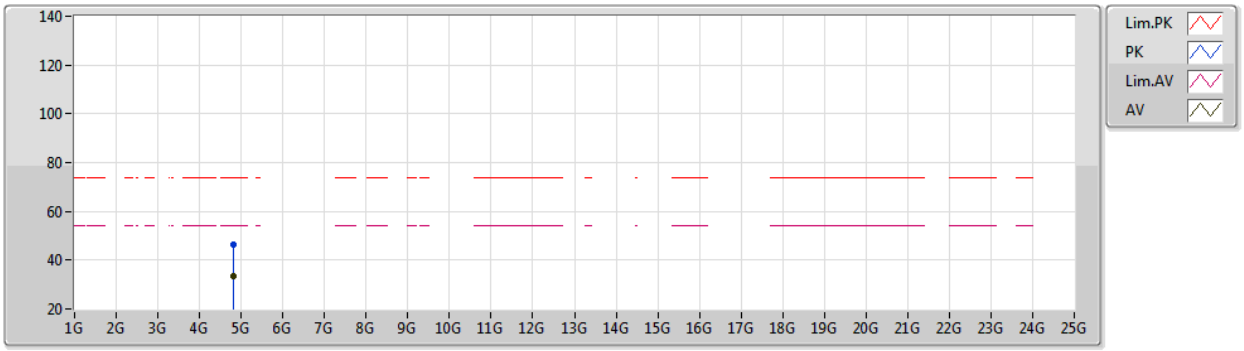
EUT Y_2TX
Setting 20
04-D-P-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3884G	61.36	74.00	-12.64	30.56	3	Horizontal	293	1.80	-	27.51	3.29	-
AV	2.3896G	45.76	54.00	-8.24	14.96	3	Horizontal	293	1.80	-	27.51	3.29	-
PK	2.4124G	107.06	Inf	-Inf	76.20	3	Horizontal	293	1.80	-	27.55	3.31	-
AV	2.4124G	97.88	Inf	-Inf	67.02	3	Horizontal	293	1.80	-	27.55	3.31	-
PK	2.4888G	55.65	74.00	-18.35	24.45	3	Horizontal	293	1.80	-	27.86	3.34	-
AV	2.4844G	44.20	54.00	-9.80	13.02	3	Horizontal	293	1.80	-	27.84	3.34	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

16/09/2020



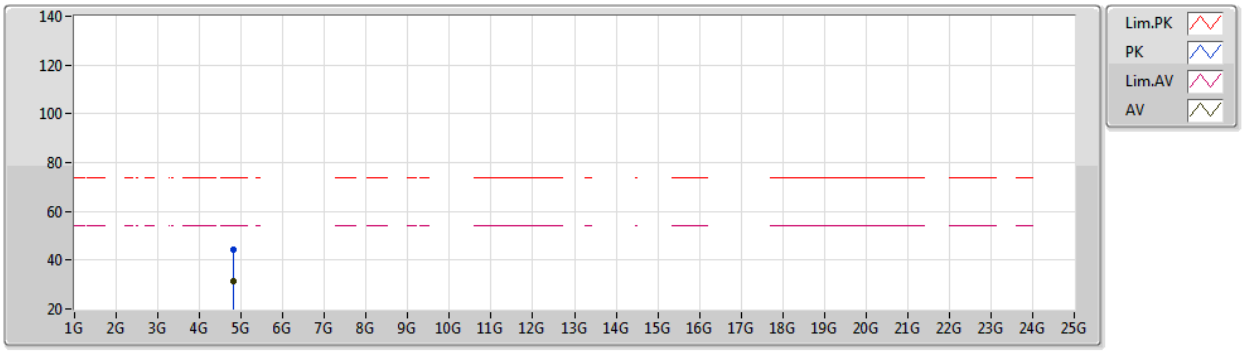
EUT Y_2TX
Setting 20
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82232G	46.31	74.00	-27.69	41.78	3	Vertical	186	1.80	-	32.59	4.82	32.88
AV	4.82208G	33.55	54.00	-20.45	29.02	3	Vertical	186	1.80	-	32.59	4.82	32.88

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

16/09/2020



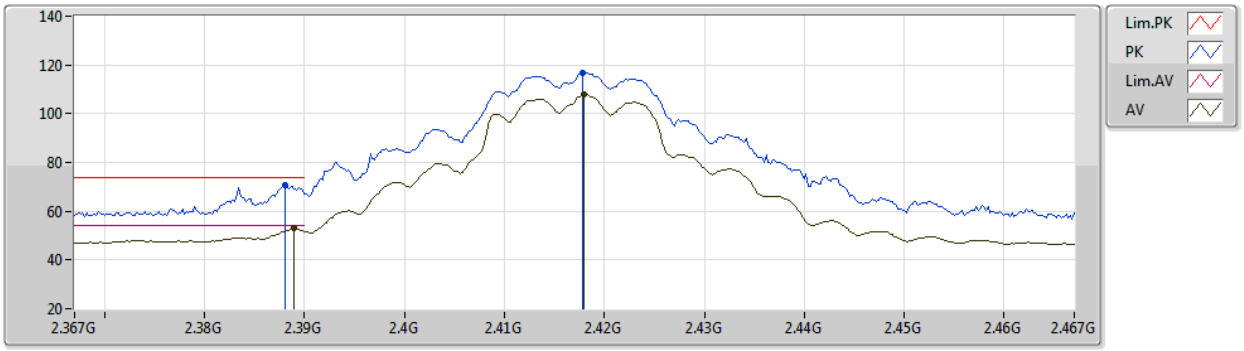
EUT Y_2TX
Setting 20
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82352G	44.35	74.00	-29.65	39.82	3	Horizontal	177	1.80	-	32.59	4.82	32.88
AV	4.82388G	31.31	54.00	-22.69	26.77	3	Horizontal	177	1.80	-	32.60	4.82	32.88

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

16/09/2020



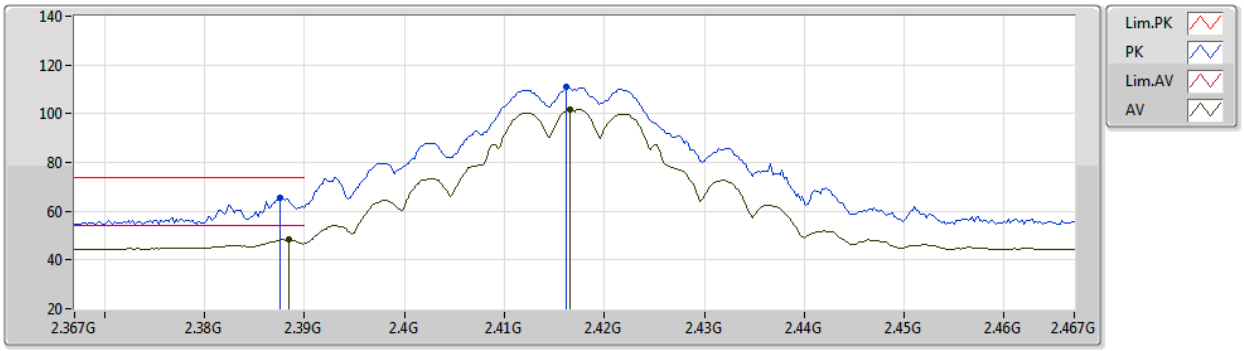
EUT Y_2TX
Setting 27
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.388G	70.59	74.00	-3.41	39.79	3	Vertical	282	2.65	-	27.51	3.29	-
AV	2.389G	52.94	54.00	-1.06	22.14	3	Vertical	282	2.65	-	27.51	3.29	-
PK	2.4178G	116.78	Inf	-Inf	85.90	3	Vertical	282	2.65	-	27.57	3.31	-
AV	2.418G	107.73	Inf	-Inf	76.85	3	Vertical	282	2.65	-	27.57	3.31	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

16/09/2020



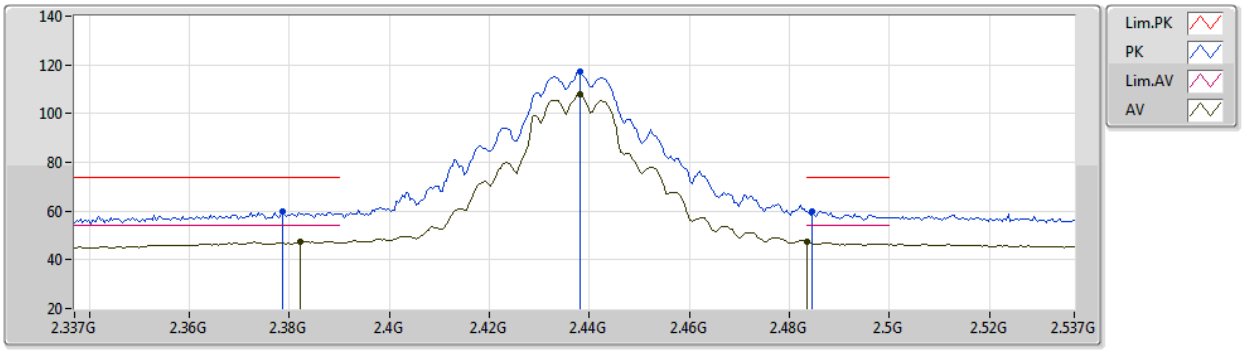
EUT Y_2TX
Setting 27
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3876G	65.56	74.00	-8.44	34.76	3	Horizontal	289	1.00	-	27.51	3.29	-
AV	2.3884G	48.32	54.00	-5.68	17.52	3	Horizontal	289	1.00	-	27.51	3.29	-
PK	2.4162G	110.90	Inf	-Inf	80.03	3	Horizontal	289	1.00	-	27.56	3.31	-
AV	2.4166G	101.73	Inf	-Inf	70.85	3	Horizontal	289	1.00	-	27.57	3.31	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

16/09/2020



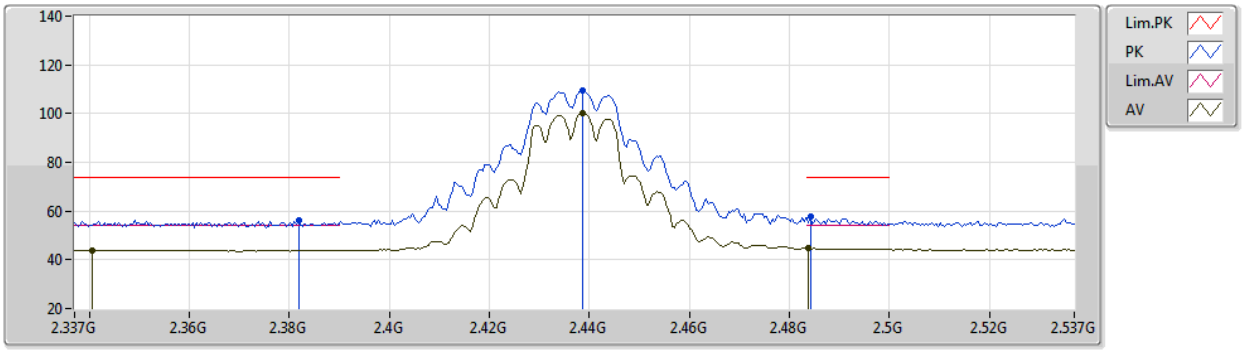
EUT Y_2TX
Setting 2A
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3786G	60.00	74.00	-14.00	29.20	3	Vertical	285	1.80	-	27.52	3.28	-
AV	2.3822G	47.35	54.00	-6.65	16.55	3	Vertical	285	1.80	-	27.52	3.28	-
PK	2.4382G	117.12	Inf	-Inf	86.15	3	Vertical	285	1.80	-	27.65	3.32	-
AV	2.4382G	107.79	Inf	-Inf	76.82	3	Vertical	285	1.80	-	27.65	3.32	-
PK	2.4846G	59.94	74.00	-14.06	28.76	3	Vertical	285	1.80	-	27.84	3.34	-
AV	2.4835G	47.18	54.00	-6.82	16.01	3	Vertical	285	1.80	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

16/09/2020



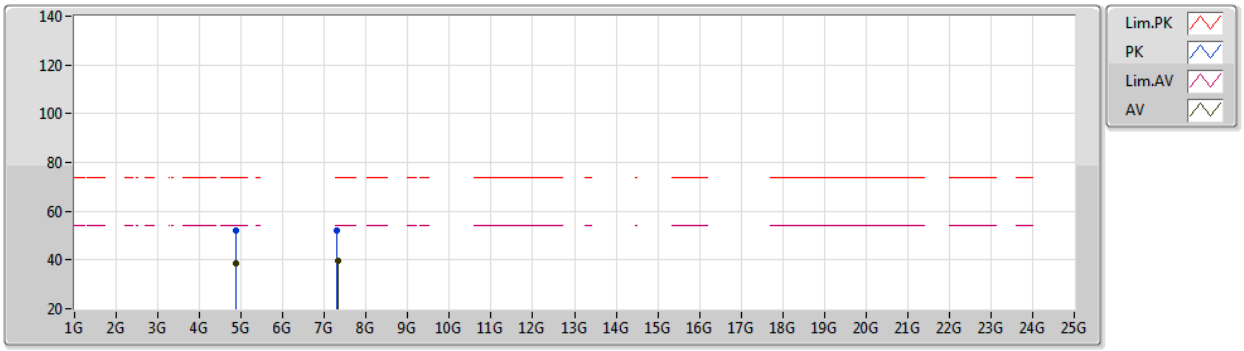
EUT Y_2TX
Setting 2A
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3818G	56.33	74.00	-17.67	25.53	3	Horizontal	154	1.80	-	27.52	3.28	-
AV	2.3406G	43.98	54.00	-10.02	13.18	3	Horizontal	154	1.80	-	27.56	3.24	-
PK	2.4386G	109.68	Inf	-Inf	78.71	3	Horizontal	154	1.80	-	27.65	3.32	-
AV	2.4386G	100.42	Inf	-Inf	69.45	3	Horizontal	154	1.80	-	27.65	3.32	-
PK	2.4842G	58.01	74.00	-15.99	26.83	3	Horizontal	154	1.80	-	27.84	3.34	-
AV	2.4838G	44.89	54.00	-9.11	13.71	3	Horizontal	154	1.80	-	27.84	3.34	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

16/09/2020



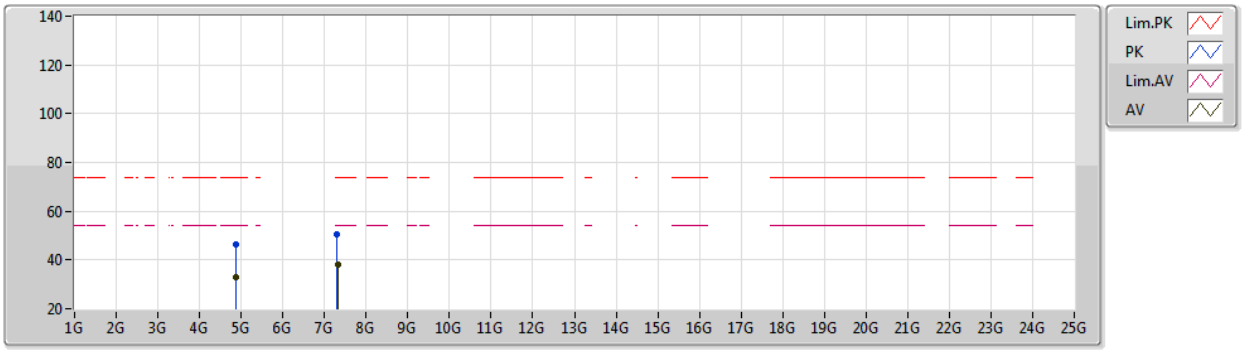
EUT Y_2TX
Setting 2A
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87376G	52.26	74.00	-21.74	47.48	3	Vertical	322	1.78	-	32.80	4.85	32.87
AV	4.8737G	38.77	54.00	-15.23	34.00	3	Vertical	322	1.78	-	32.79	4.85	32.87
PK	7.30854G	52.21	74.00	-21.79	42.17	3	Vertical	28	1.52	-	37.51	5.88	33.35
AV	7.3125G	39.50	54.00	-14.50	29.46	3	Vertical	28	1.52	-	37.51	5.88	33.35

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

16/09/2020



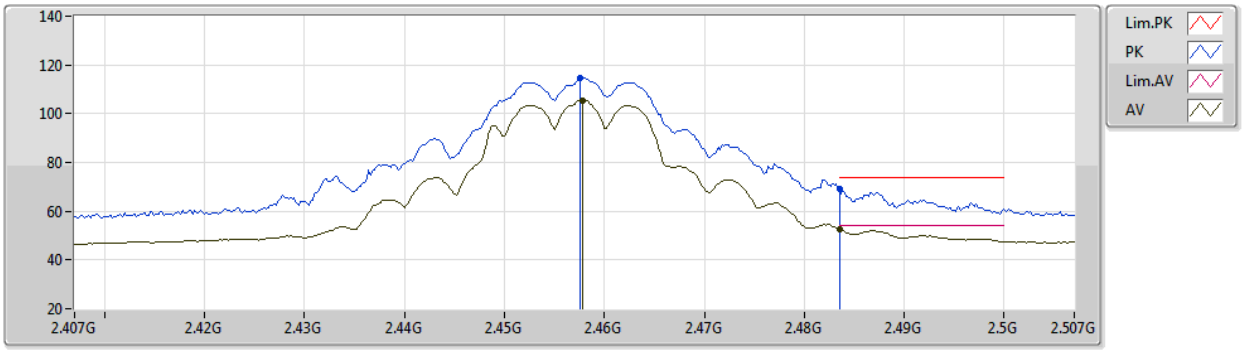
EUT Y_2TX
Setting 2A
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87028G	46.40	74.00	-27.60	41.64	3	Horizontal	132	1.40	-	32.78	4.85	32.87
AV	4.87508G	33.12	54.00	-20.88	28.33	3	Horizontal	132	1.40	-	32.80	4.86	32.87
PK	7.29618G	50.58	74.00	-23.42	40.56	3	Horizontal	295	1.62	-	37.48	5.88	33.34
AV	7.31832G	38.00	54.00	-16.00	27.94	3	Horizontal	295	1.62	-	37.52	5.89	33.35

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

16/09/2020



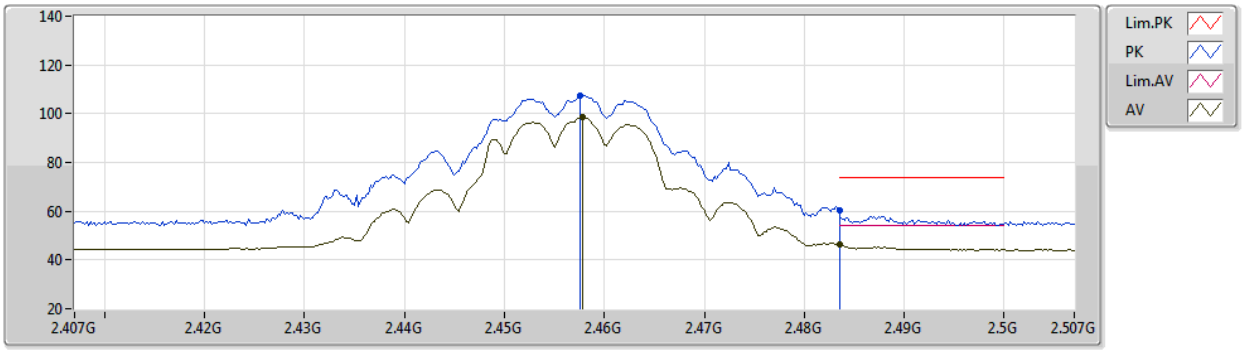
EUT Y_2TX
Setting 24
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4576G	114.64	Inf	-Inf	83.58	3	Vertical	268	2.53	-	27.73	3.33	-
AV	2.4578G	105.53	Inf	-Inf	74.47	3	Vertical	268	2.53	-	27.73	3.33	-
PK	2.4835G	69.13	74.00	-4.87	37.96	3	Vertical	268	2.53	-	27.83	3.34	-
AV	2.4835G	52.84	54.00	-1.16	21.67	3	Vertical	268	2.53	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

16/09/2020



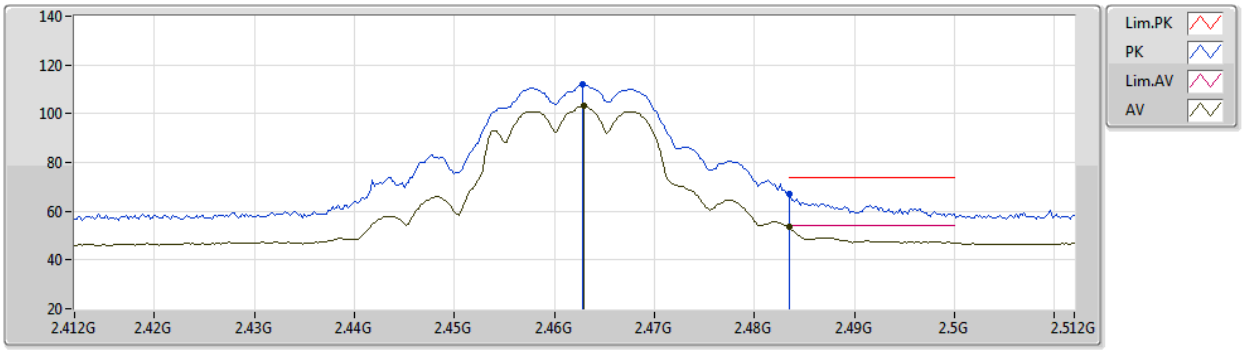
EUT Y_2TX
Setting 24
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4576G	107.56	Inf	-Inf	76.50	3	Horizontal	312	1.45	-	27.73	3.33	-
AV	2.4578G	98.37	Inf	-Inf	67.31	3	Horizontal	312	1.45	-	27.73	3.33	-
PK	2.4835G	60.30	74.00	-13.70	29.13	3	Horizontal	312	1.45	-	27.83	3.34	-
AV	2.4835G	46.17	54.00	-7.83	15.00	3	Horizontal	312	1.45	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

16/09/2020



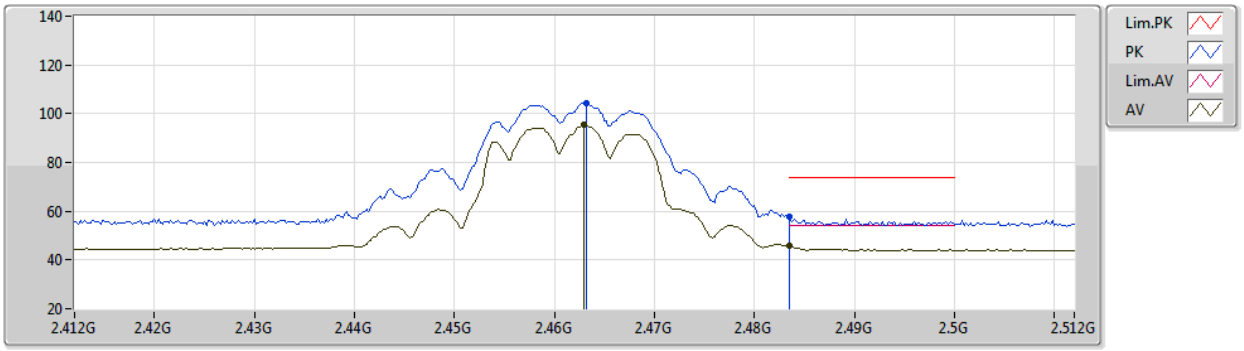
EUT Y_2TX
Setting 1F
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4628G	112.12	Inf	-Inf	81.04	3	Vertical	265	2.60	-	27.75	3.33	-
AV	2.463G	103.20	Inf	-Inf	72.12	3	Vertical	265	2.60	-	27.75	3.33	-
PK	2.4835G	67.11	74.00	-6.89	35.94	3	Vertical	265	2.60	-	27.83	3.34	-
AV	2.4835G	53.55	54.00	-0.45	22.38	3	Vertical	265	2.60	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

16/09/2020



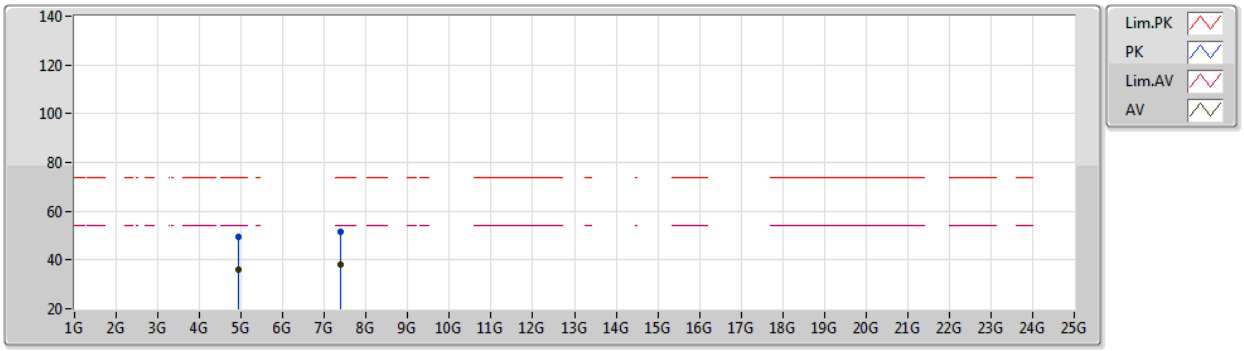
EUT Y_2TX
Setting 1F
04-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4632G	104.26	Inf	-Inf	73.18	3	Horizontal	314	1.86	-	27.75	3.33	-
AV	2.463G	95.27	Inf	-Inf	64.19	3	Horizontal	314	1.86	-	27.75	3.33	-
PK	2.4835G	57.75	74.00	-16.25	26.58	3	Horizontal	314	1.86	-	27.83	3.34	-
AV	2.4835G	45.75	54.00	-8.25	14.58	3	Horizontal	314	1.86	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

16/09/2020



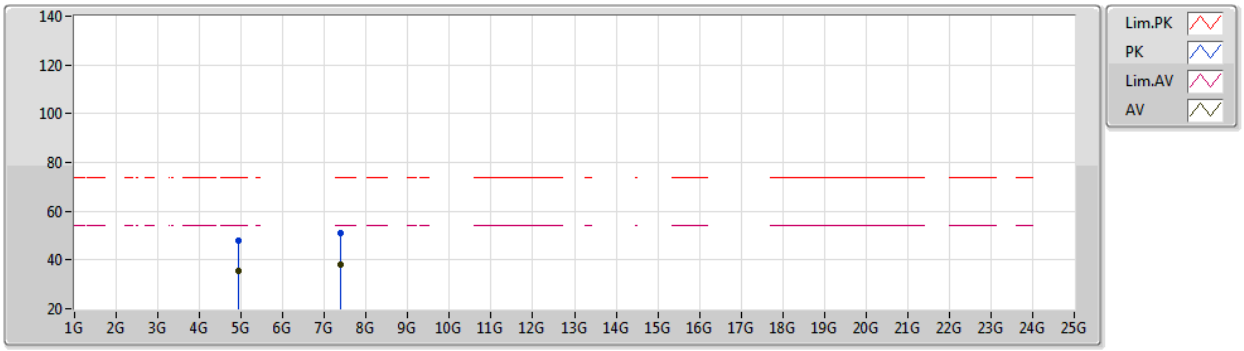
EUT Y_2TX
Setting 1F
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92332G	49.54	74.00	-24.46	44.58	3	Vertical	324	1.78	-	32.95	4.88	32.87
AV	4.92396G	35.78	54.00	-18.22	30.82	3	Vertical	324	1.78	-	32.95	4.88	32.87
PK	7.38608G	51.36	74.00	-22.64	41.26	3	Vertical	325	2.84	-	37.59	5.91	33.40
AV	7.39336G	38.30	54.00	-15.70	28.21	3	Vertical	325	2.84	-	37.59	5.91	33.41

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

16/09/2020



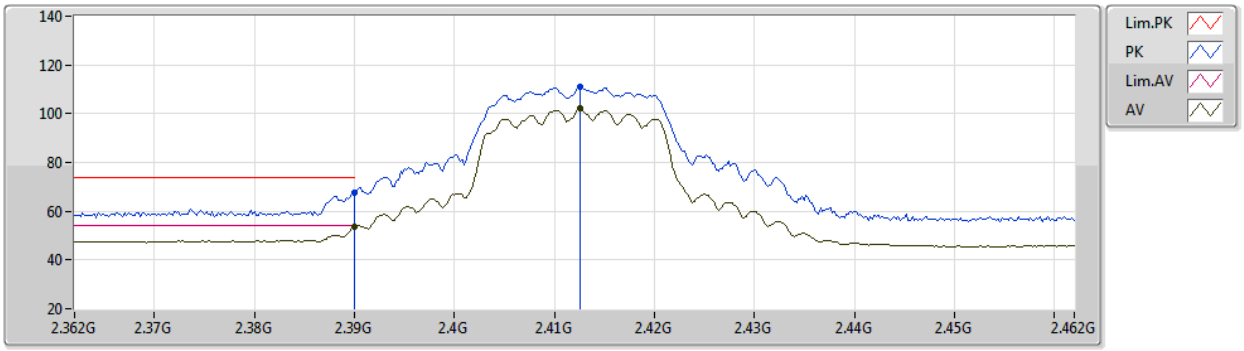
EUT Y_2TX
Setting 1F
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92732G	47.99	74.00	-26.01	43.01	3	Horizontal	148	1.95	-	32.95	4.89	32.86
AV	4.92284G	35.34	54.00	-18.66	30.38	3	Horizontal	148	1.95	-	32.95	4.88	32.87
PK	7.3954G	50.78	74.00	-23.22	40.68	3	Horizontal	184	1.64	-	37.60	5.91	33.41
AV	7.38784G	38.02	54.00	-15.98	27.92	3	Horizontal	184	1.64	-	37.59	5.91	33.40

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

16/09/2020



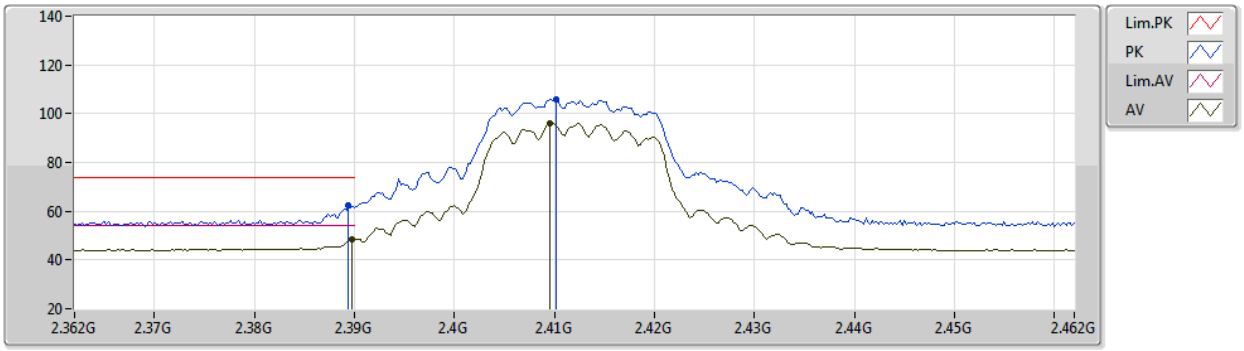
EUT Y_2TX
Setting 1D
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	67.63	74.00	-6.37	36.83	3	Vertical	287	2.55	-	27.51	3.29	-
AV	2.39G	53.76	54.00	-0.51	22.69	3	Vertical	287	2.55	-	27.51	3.29	-
PK	2.4126G	110.91	Inf	-Inf	80.05	3	Vertical	287	2.55	-	27.55	3.31	-
AV	2.4126G	102.04	Inf	-Inf	71.18	3	Vertical	287	2.55	-	27.55	3.31	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

16/09/2020



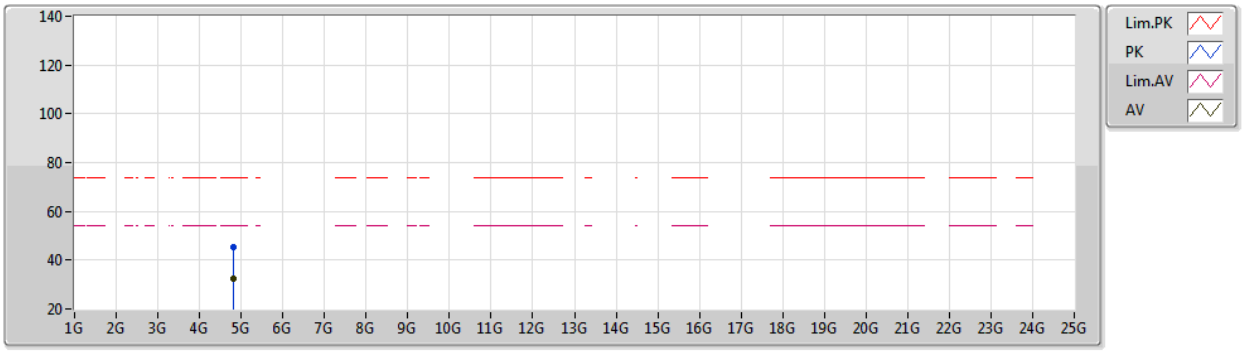
EUT Y_2TX
Setting 1D
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	62.22	74.00	-11.78	31.42	3	Horizontal	293	1.80	-	27.51	3.29	-
AV	2.3898G	48.49	54.00	-5.51	17.69	3	Horizontal	293	1.80	-	27.51	3.29	-
PK	2.4102G	105.84	Inf	-Inf	74.99	3	Horizontal	293	1.80	-	27.54	3.31	-
AV	2.4096G	96.22	Inf	-Inf	65.38	3	Horizontal	293	1.80	-	27.54	3.30	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

16/09/2020



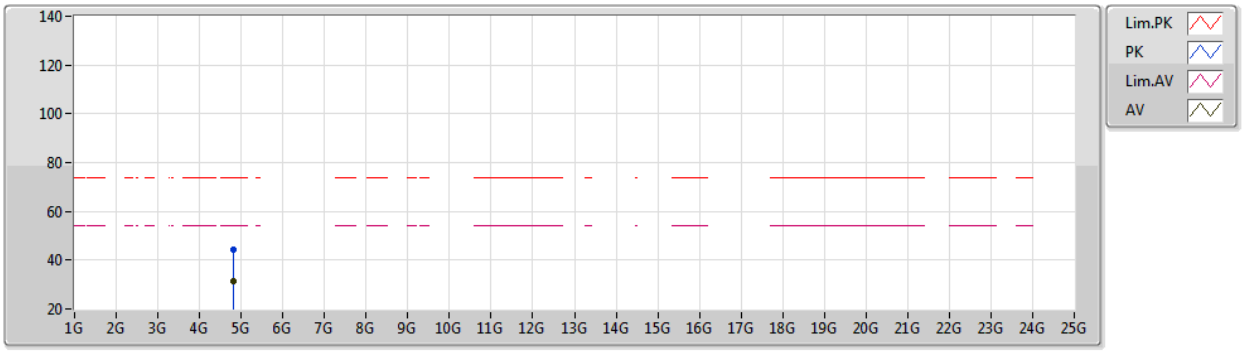
EUT Y_2TX
Setting 1D
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82528G	45.29	74.00	-28.71	40.74	3	Vertical	183	1.76	-	32.60	4.83	32.88
AV	4.82316G	32.19	54.00	-21.81	27.66	3	Vertical	183	1.76	-	32.59	4.82	32.88

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

16/09/2020



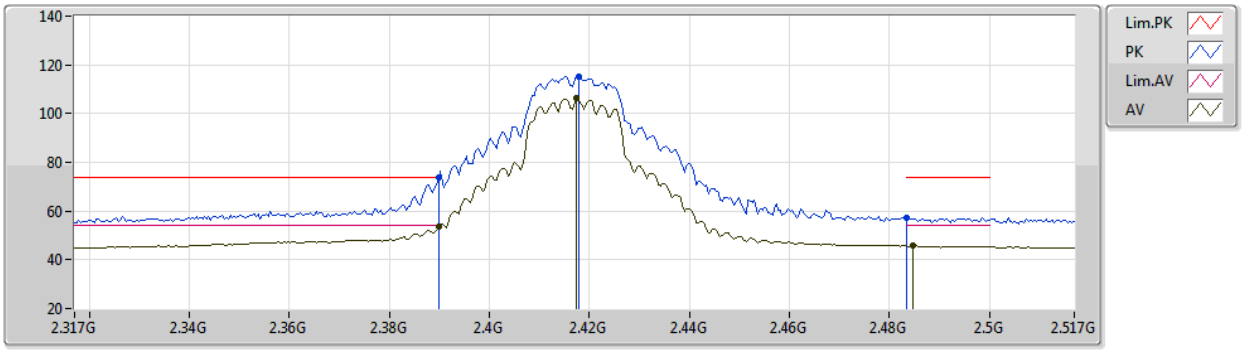
EUT Y_2TX
Setting 1D
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.823G	44.52	74.00	-29.48	39.99	3	Horizontal	249	2.54	-	32.59	4.82	32.88
AV	4.82832G	31.41	54.00	-22.59	26.85	3	Horizontal	249	2.54	-	32.61	4.83	32.88

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

16/09/2020



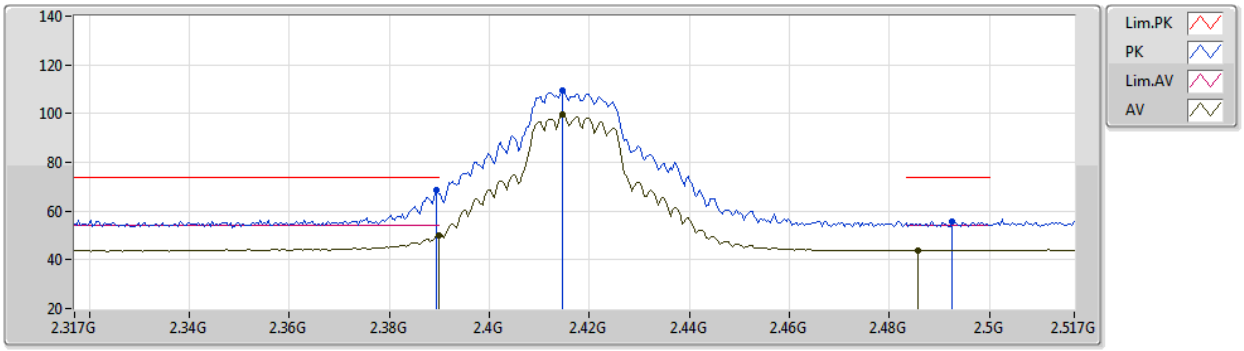
EUT Y_2TX
Setting 25
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	73.85	74.00	-0.15	43.05	3	Vertical	287	2.64	-	27.51	3.29	-
AV	2.3898G	53.81	54.00	-0.19	23.01	3	Vertical	287	2.64	-	27.51	3.29	-
PK	2.4178G	115.36	Inf	-Inf	84.48	3	Vertical	287	2.64	-	27.57	3.31	-
AV	2.4174G	106.36	Inf	-Inf	75.48	3	Vertical	287	2.64	-	27.57	3.31	-
PK	2.4835G	57.36	74.00	-16.64	26.19	3	Vertical	287	2.64	-	27.83	3.34	-
AV	2.4846G	46.01	54.00	-7.99	14.83	3	Vertical	287	2.64	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

16/09/2020



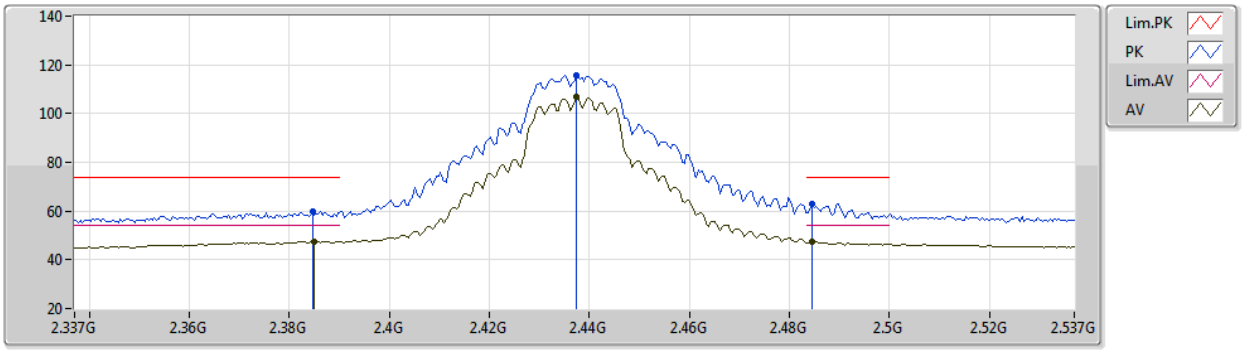
EUT Y_2TX
Setting 25
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	68.44	74.00	-5.56	37.64	3	Horizontal	294	1.82	-	27.51	3.29	-
AV	2.3898G	50.14	54.00	-3.86	19.34	3	Horizontal	294	1.82	-	27.51	3.29	-
PK	2.4146G	109.41	Inf	-Inf	78.54	3	Horizontal	294	1.82	-	27.56	3.31	-
AV	2.4146G	99.59	Inf	-Inf	68.72	3	Horizontal	294	1.82	-	27.56	3.31	-
PK	2.4926G	55.60	74.00	-18.40	24.38	3	Horizontal	294	1.82	-	27.87	3.35	-
AV	2.4858G	43.98	54.00	-10.02	12.80	3	Horizontal	294	1.82	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



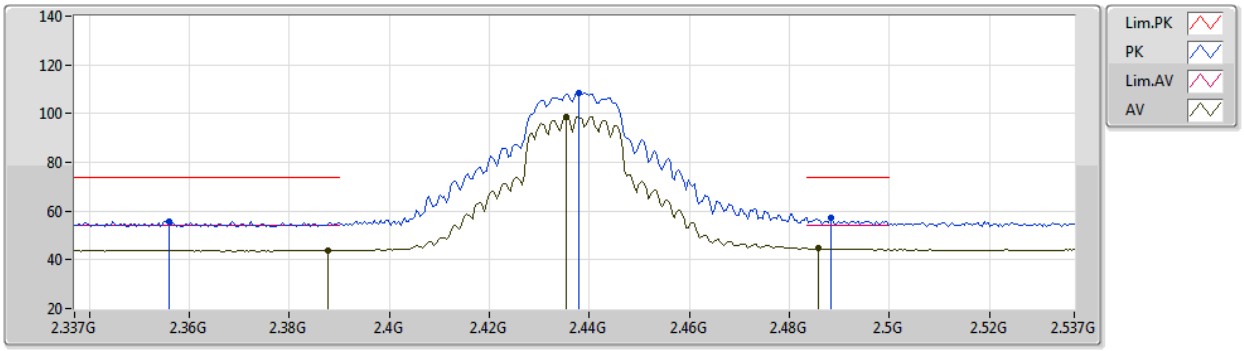
EUT Y_2TX
Setting 2A
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3846G	60.00	74.00	-14.00	29.20	3	Vertical	285	1.80	-	27.52	3.28	-
AV	2.385G	47.49	54.00	-6.51	16.68	3	Vertical	285	1.80	-	27.52	3.29	-
PK	2.4374G	115.62	Inf	-Inf	84.65	3	Vertical	285	1.80	-	27.65	3.32	-
AV	2.4374G	106.67	Inf	-Inf	75.70	3	Vertical	285	1.80	-	27.65	3.32	-
PK	2.4846G	62.96	74.00	-11.04	31.78	3	Vertical	285	1.80	-	27.84	3.34	-
AV	2.4846G	47.67	54.00	-6.33	16.49	3	Vertical	285	1.80	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



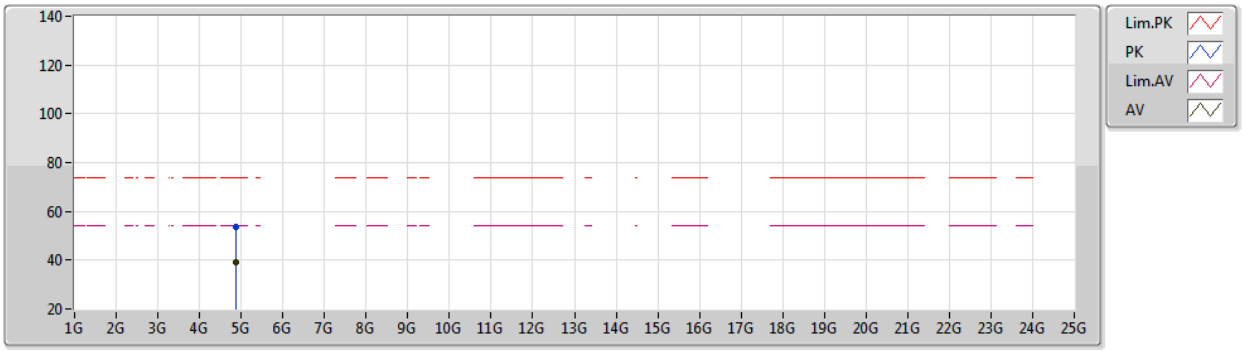
EUT Y_2TX
Setting 2A
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3558G	55.81	74.00	-18.19	25.01	3	Horizontal	154	1.80	-	27.54	3.26	-
AV	2.3878G	43.93	54.00	-10.07	13.13	3	Horizontal	154	1.80	-	27.51	3.29	-
PK	2.4378G	108.69	Inf	-Inf	77.72	3	Horizontal	154	1.80	-	27.65	3.32	-
AV	2.4354G	98.76	Inf	-Inf	67.80	3	Horizontal	154	1.80	-	27.64	3.32	-
PK	2.4882G	57.42	74.00	-16.58	26.23	3	Horizontal	154	1.80	-	27.85	3.34	-
AV	2.4858G	44.69	54.00	-9.31	13.51	3	Horizontal	154	1.80	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



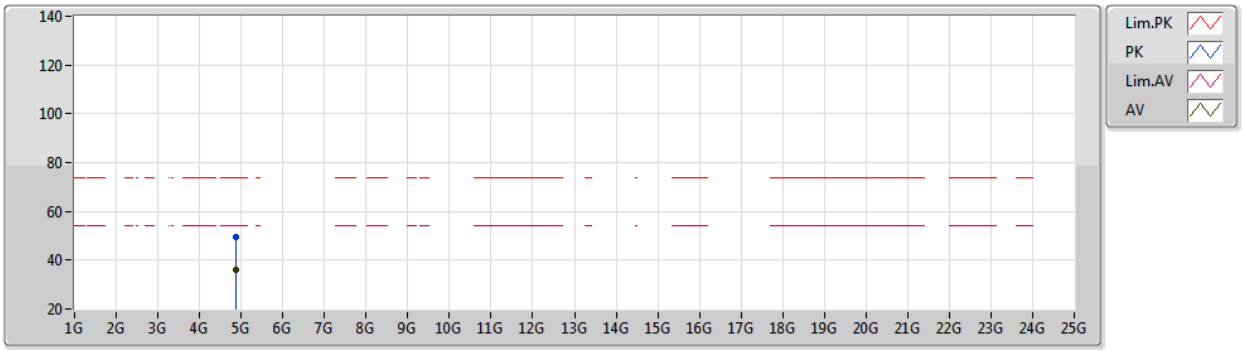
EUT Y_2TX
Setting 2A
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87108G	53.71	74.00	-20.29	48.95	3	Vertical	317	1.80	-	32.78	4.85	32.87
AV	4.87364G	39.13	54.00	-14.87	34.36	3	Vertical	317	1.80	-	32.79	4.85	32.87

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



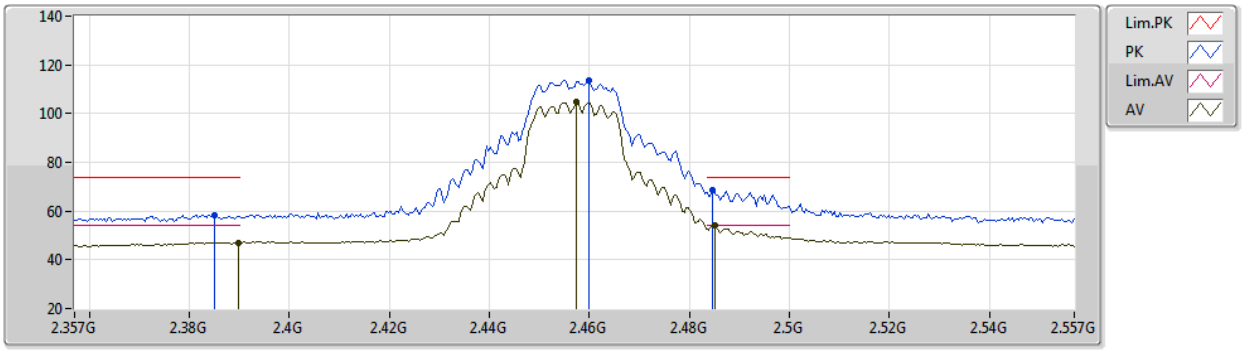
EUT Y_2TX
Setting 2A
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87712G	49.25	74.00	-24.75	44.45	3	Horizontal	284	1.69	-	32.81	4.86	32.87
AV	4.87228G	35.88	54.00	-18.12	31.11	3	Horizontal	284	1.69	-	32.79	4.85	32.87

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

16/09/2020



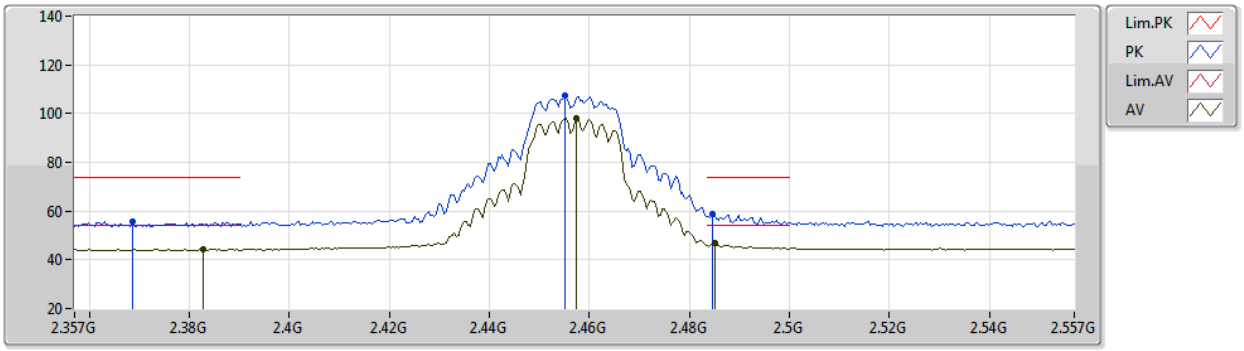
EUT Y_2TX
Setting 24
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.385G	58.45	74.00	-15.55	27.64	3	Vertical	285	2.15	-	27.52	3.29	-
AV	2.3898G	47.07	54.00	-6.93	16.27	3	Vertical	285	2.15	-	27.51	3.29	-
PK	2.4598G	113.53	Inf	-Inf	82.46	3	Vertical	285	2.15	-	27.74	3.33	-
AV	2.4574G	105.05	Inf	-Inf	73.99	3	Vertical	285	2.15	-	27.73	3.33	-
PK	2.4846G	68.40	74.00	-5.60	37.22	3	Vertical	285	2.15	-	27.84	3.34	-
AV	2.485G	53.94	54.00	-0.06	22.76	3	Vertical	285	2.15	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

16/09/2020



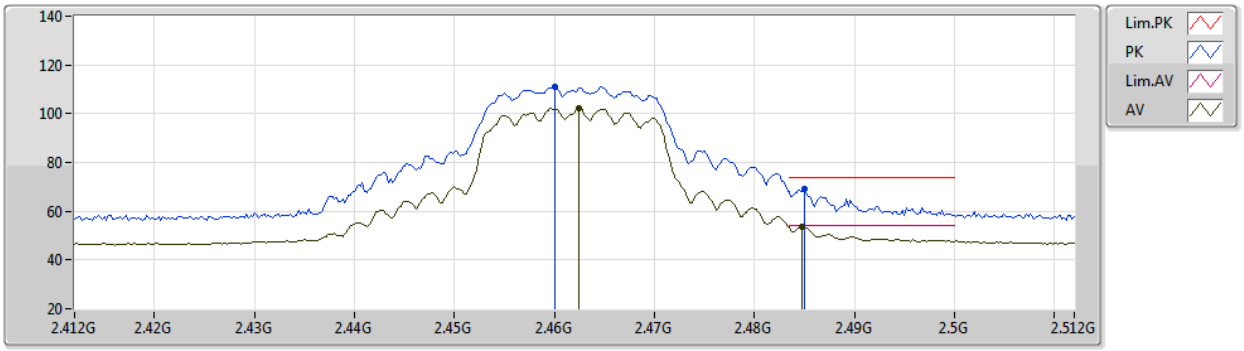
EUT Y_2TX
Setting 24
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3686G	55.62	74.00	-18.38	24.82	3	Horizontal	313	1.85	-	27.53	3.27	-
AV	2.3826G	44.53	54.00	-9.47	13.73	3	Horizontal	313	1.85	-	27.52	3.28	-
PK	2.455G	107.21	Inf	-Inf	76.16	3	Horizontal	313	1.85	-	27.72	3.33	-
AV	2.4574G	98.31	Inf	-Inf	67.25	3	Horizontal	313	1.85	-	27.73	3.33	-
PK	2.4846G	58.92	74.00	-15.08	27.74	3	Horizontal	313	1.85	-	27.84	3.34	-
AV	2.485G	46.74	54.00	-7.26	15.56	3	Horizontal	313	1.85	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

16/09/2020



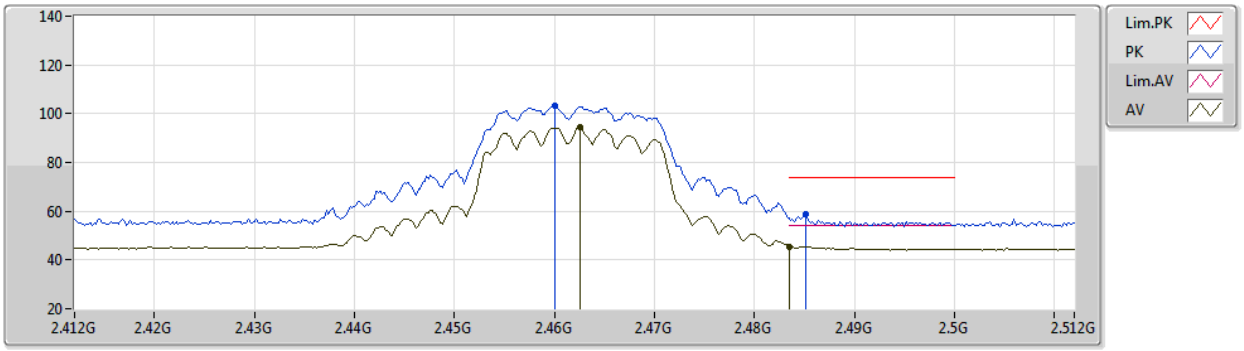
EUT Y_2TX
Setting 1F
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.46G	111.04	Inf	-Inf	79.97	3	Vertical	285	2.16	-	27.74	3.33	-
AV	2.4624G	102.38	Inf	-Inf	71.30	3	Vertical	285	2.16	-	27.75	3.33	-
PK	2.485G	69.00	74.00	-5.00	37.82	3	Vertical	285	2.16	-	27.84	3.34	-
AV	2.4848G	53.77	54.00	-0.23	22.59	3	Vertical	285	2.16	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

16/09/2020



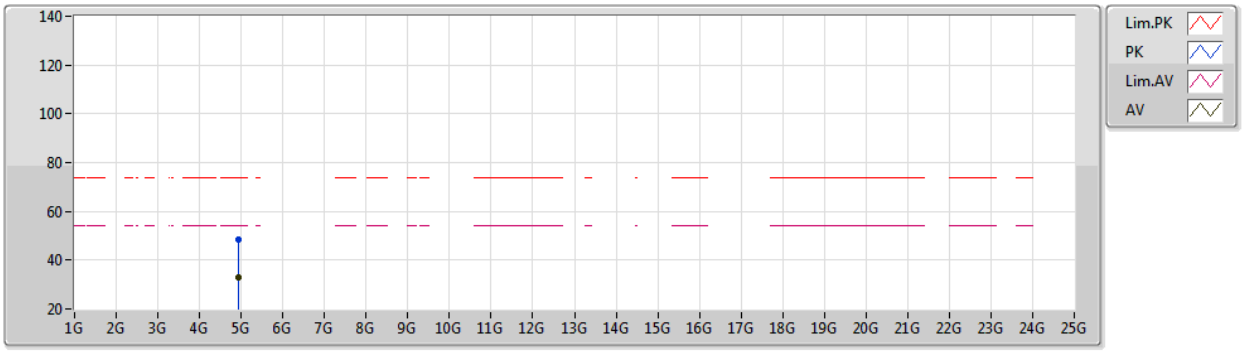
EUT Y_2TX
Setting 1F
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.46G	103.47	Inf	-Inf	72.40	3	Horizontal	314	1.87	-	27.74	3.33	-
AV	2.4626G	94.51	Inf	-Inf	63.43	3	Horizontal	314	1.87	-	27.75	3.33	-
PK	2.4852G	58.55	74.00	-15.45	27.37	3	Horizontal	314	1.87	-	27.84	3.34	-
AV	2.4835G	45.60	54.00	-8.40	14.43	3	Horizontal	314	1.87	-	27.83	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

16/09/2020



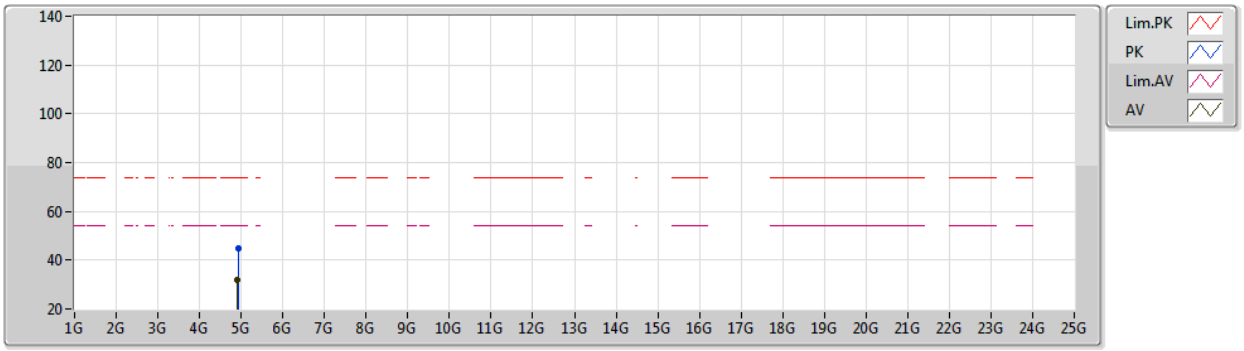
EUT Y_2TX
Setting 1F
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92372G	48.42	74.00	-25.58	43.46	3	Vertical	316	1.80	-	32.95	4.88	32.87
AV	4.92388G	33.12	54.00	-20.88	28.16	3	Vertical	316	1.80	-	32.95	4.88	32.87

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

16/09/2020



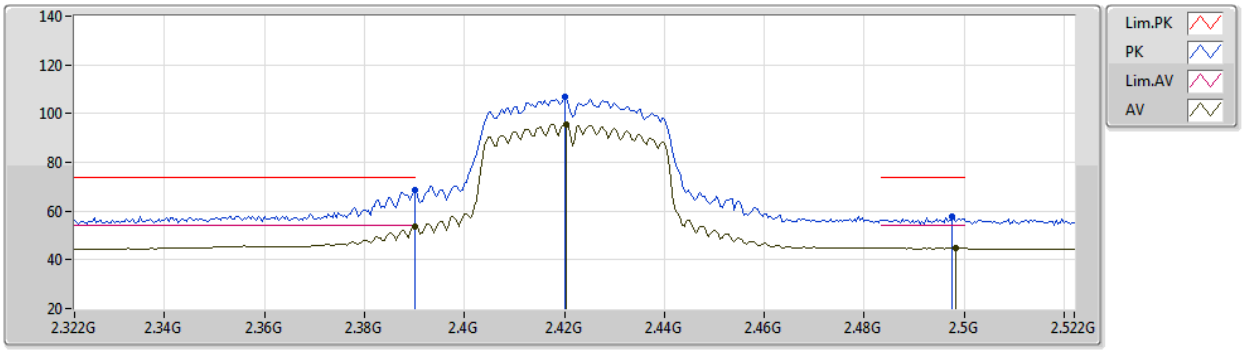
EUT Y_2TX
Setting 1F
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9334G	44.62	74.00	-29.38	39.62	3	Horizontal	260	2.79	-	32.97	4.89	32.86
AV	4.9158G	31.76	54.00	-22.24	26.82	3	Horizontal	260	2.79	-	32.93	4.88	32.87

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

16/09/2020



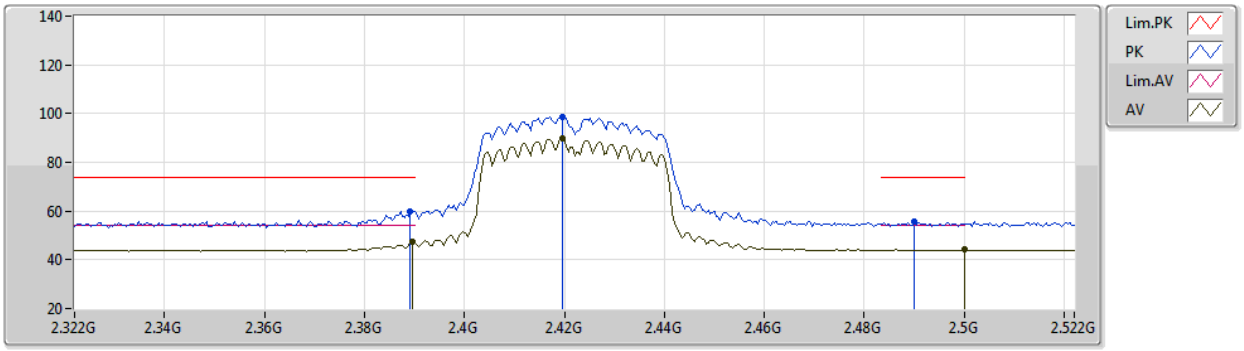
EUT Y_2TX
Setting 17
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	68.72	74.00	-5.28	37.92	3	Vertical	286	2.66	-	27.51	3.29	-
AV	2.39G	53.83	54.00	-0.17	23.03	3	Vertical	286	2.66	-	27.51	3.29	-
PK	2.42G	106.74	Inf	-Inf	75.85	3	Vertical	286	2.66	-	27.58	3.31	-
AV	2.4204G	95.68	Inf	-Inf	64.79	3	Vertical	286	2.66	-	27.58	3.31	-
PK	2.4976G	57.78	74.00	-16.22	26.54	3	Vertical	286	2.66	-	27.89	3.35	-
AV	2.4984G	44.99	54.00	-9.01	13.75	3	Vertical	286	2.66	-	27.89	3.35	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

16/09/2020



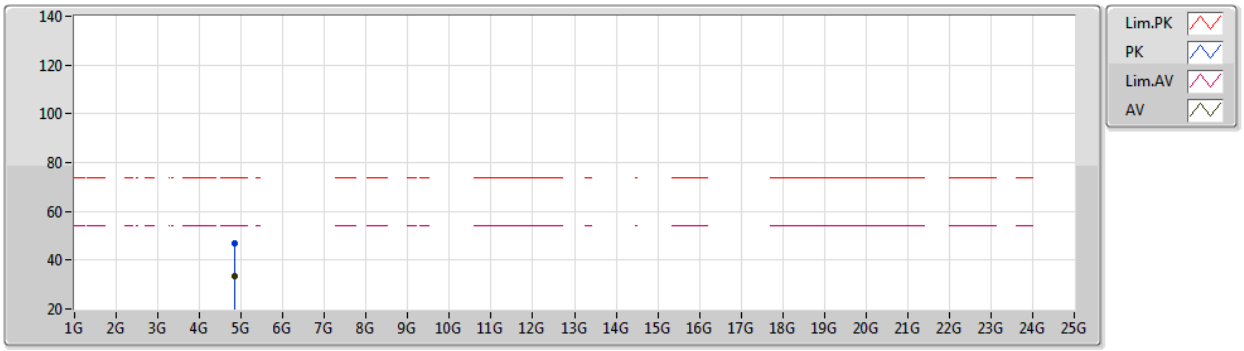
EUT Y_2TX
Setting 17
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	60.03	74.00	-13.97	29.23	3	Horizontal	287	1.00	-	27.51	3.29	-
AV	2.3896G	47.38	54.00	-6.62	16.58	3	Horizontal	287	1.00	-	27.51	3.29	-
PK	2.4196G	98.85	Inf	-Inf	67.96	3	Horizontal	287	1.00	-	27.58	3.31	-
AV	2.4196G	89.67	Inf	-Inf	58.78	3	Horizontal	287	1.00	-	27.58	3.31	-
PK	2.49G	55.47	74.00	-18.53	24.26	3	Horizontal	287	1.00	-	27.86	3.35	-
AV	2.5G	44.12	54.00	-9.88	12.87	3	Horizontal	287	1.00	-	27.90	3.35	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

16/09/2020



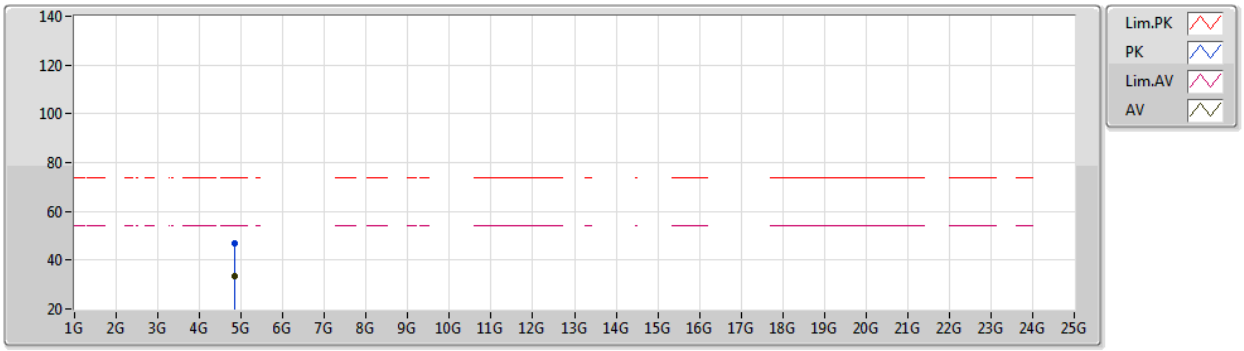
EUT Y_2TX
Setting 17
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84132G	47.06	74.00	-26.94	42.44	3	Vertical	252	1.80	-	32.67	4.83	32.88
AV	4.84472G	33.25	54.00	-20.75	28.61	3	Vertical	252	1.80	-	32.68	4.84	32.88

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

16/09/2020



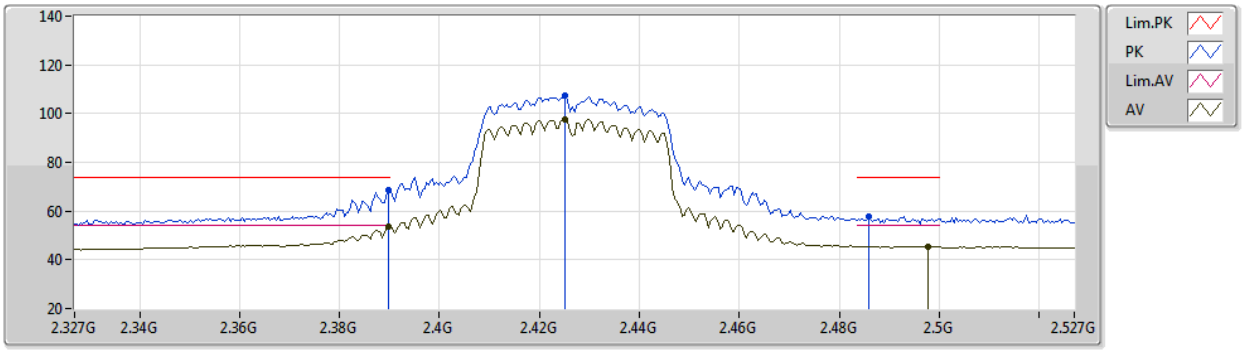
EUT Y_2TX
Setting 17
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.85348G	46.74	74.00	-27.26	42.06	3	Horizontal	241	1.72	-	32.71	4.84	32.87
AV	4.84356G	33.49	54.00	-20.51	28.86	3	Horizontal	241	1.72	-	32.67	4.84	32.88

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

16/09/2020



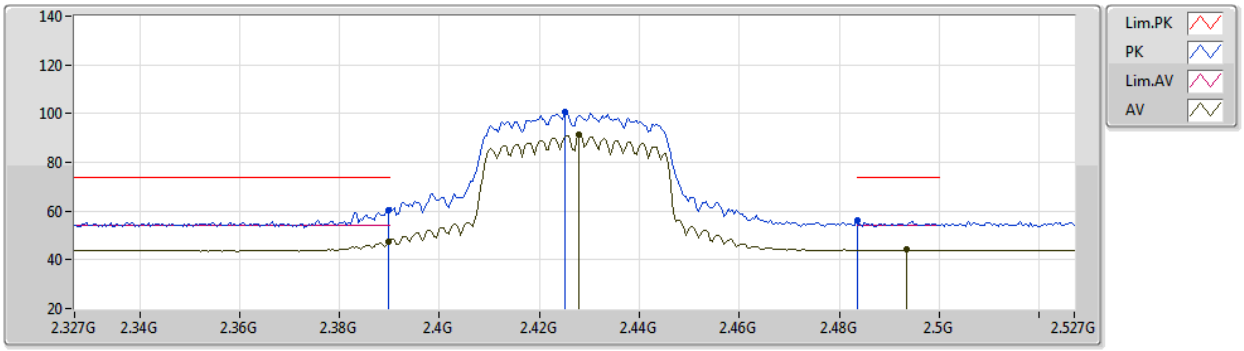
EUT Y_2TX
Setting 1B
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.44	74.00	-5.56	37.64	3	Vertical	270	2.55	-	27.51	3.29	-
AV	2.3898G	53.78	54.00	-0.22	22.98	3	Vertical	270	2.55	-	27.51	3.29	-
PK	2.425G	107.43	Inf	-Inf	76.52	3	Vertical	270	2.55	-	27.60	3.31	-
AV	2.425G	97.80	Inf	-Inf	66.89	3	Vertical	270	2.55	-	27.60	3.31	-
PK	2.4858G	57.79	74.00	-16.21	26.61	3	Vertical	270	2.55	-	27.84	3.34	-
AV	2.4978G	45.57	54.00	-8.43	14.33	3	Vertical	270	2.55	-	27.89	3.35	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

16/09/2020



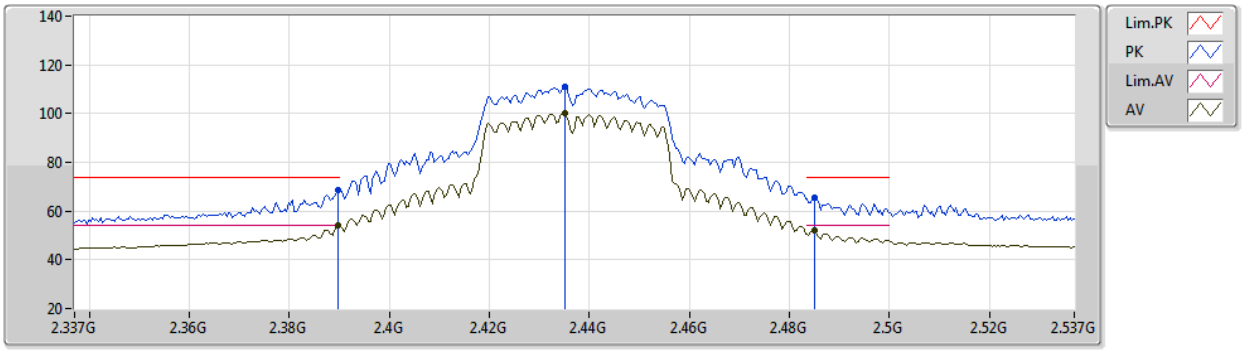
EUT Y_2TX
Setting 1B
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	60.14	74.00	-13.86	29.34	3	Horizontal	154	1.84	-	27.51	3.29	-
AV	2.3898G	47.38	54.00	-6.62	16.58	3	Horizontal	154	1.84	-	27.51	3.29	-
PK	2.425G	100.65	Inf	-Inf	69.74	3	Horizontal	154	1.84	-	27.60	3.31	-
AV	2.4278G	91.19	Inf	-Inf	60.27	3	Horizontal	154	1.84	-	27.61	3.31	-
PK	2.4835G	56.02	74.00	-17.98	24.85	3	Horizontal	154	1.84	-	27.83	3.34	-
AV	2.4934G	44.08	54.00	-9.92	12.86	3	Horizontal	154	1.84	-	27.87	3.35	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



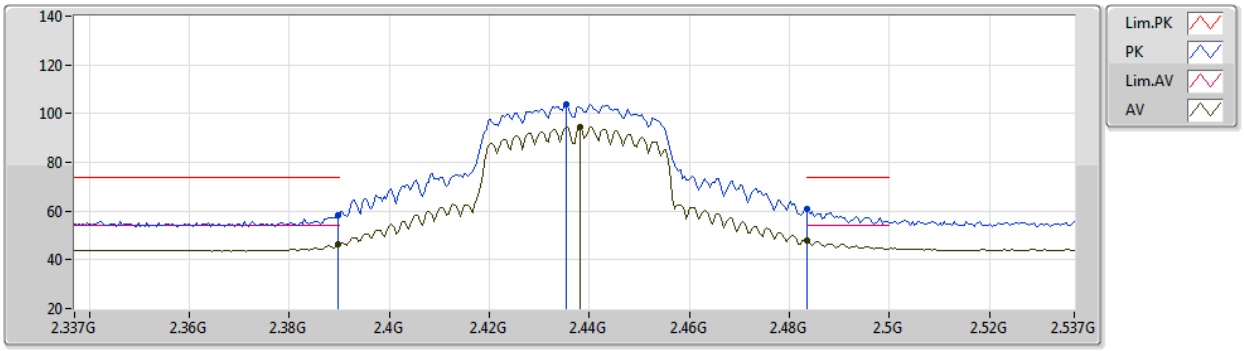
EUT Y_2TX
Setting 22
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	68.72	74.00	-5.28	37.92	3	Vertical	281	1.93	-	27.51	3.29	-
AV	2.3898G	53.93	54.00	-0.07	23.13	3	Vertical	281	1.93	-	27.51	3.29	-
PK	2.435G	111.13	Inf	-Inf	80.17	3	Vertical	281	1.93	-	27.64	3.32	-
AV	2.435G	100.31	Inf	-Inf	69.35	3	Vertical	281	1.93	-	27.64	3.32	-
PK	2.485G	65.61	74.00	-8.39	34.43	3	Vertical	281	1.93	-	27.84	3.34	-
AV	2.485G	52.14	54.00	-1.86	20.96	3	Vertical	281	1.93	-	27.84	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



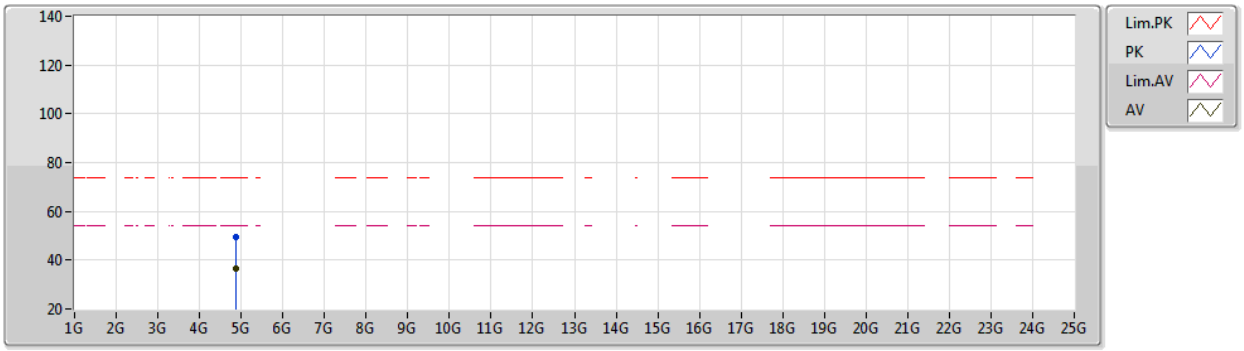
EUT Y_2TX
Setting 22
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	58.08	74.00	-15.92	27.28	3	Horizontal	153	1.80	-	27.51	3.29	-
AV	2.3898G	46.43	54.00	-7.57	15.63	3	Horizontal	153	1.80	-	27.51	3.29	-
PK	2.4354G	103.90	Inf	-Inf	72.94	3	Horizontal	153	1.80	-	27.64	3.32	-
AV	2.4382G	94.31	Inf	-Inf	63.34	3	Horizontal	153	1.80	-	27.65	3.32	-
PK	2.4835G	60.73	74.00	-13.27	29.56	3	Horizontal	153	1.80	-	27.83	3.34	-
AV	2.4835G	48.10	54.00	-5.90	16.93	3	Horizontal	153	1.80	-	27.83	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



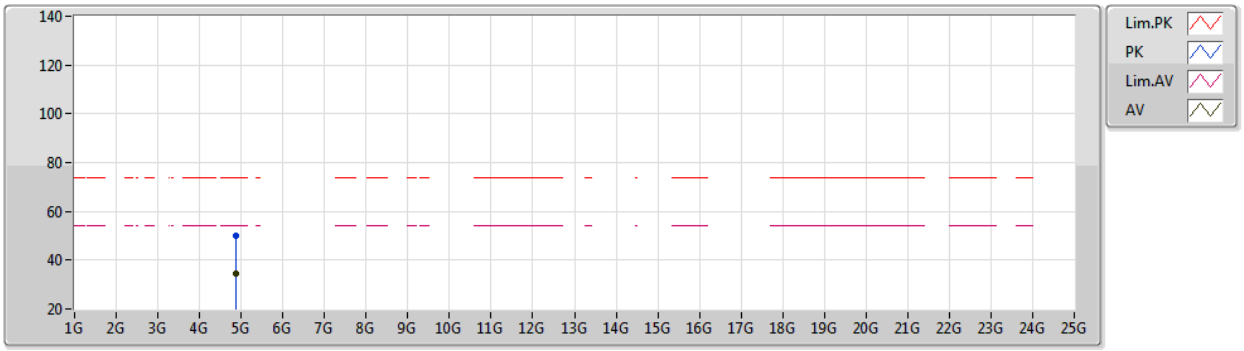
EUT Y_2TX
Setting 22
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87384G	49.25	74.00	-24.75	44.47	3	Vertical	318	1.09	-	32.80	4.85	32.87
AV	4.87356G	36.78	54.00	-17.22	32.01	3	Vertical	318	1.09	-	32.79	4.85	32.87

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

16/09/2020



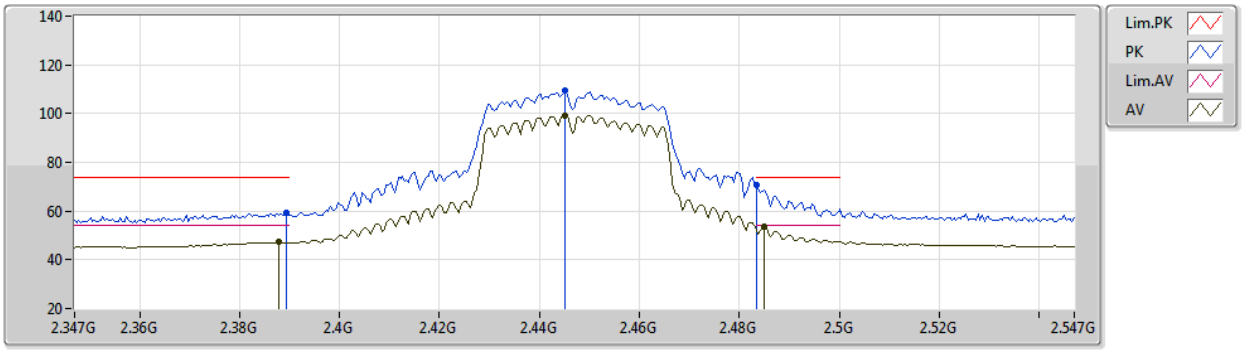
EUT Y_2TX
Setting 22
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8748G	49.83	74.00	-24.17	45.05	3	Horizontal	288	1.62	-	32.80	4.85	32.87
AV	4.87524G	34.71	54.00	-19.29	29.92	3	Horizontal	288	1.62	-	32.80	4.86	32.87

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

16/09/2020



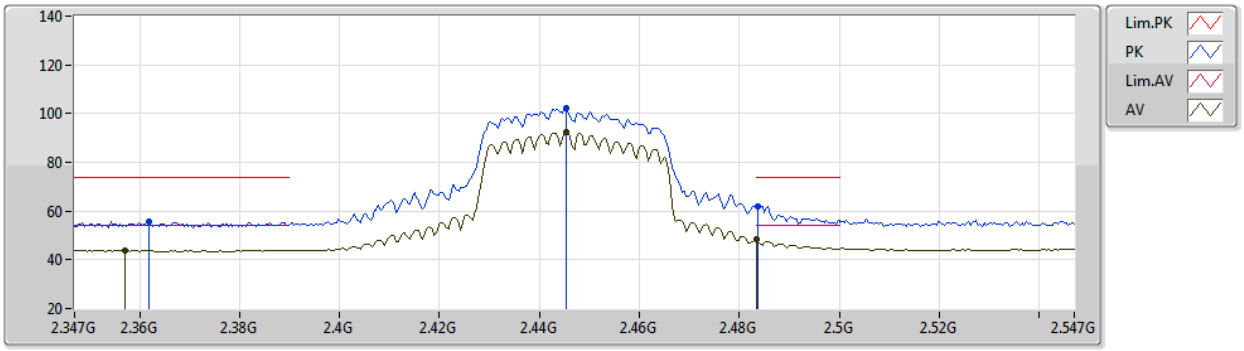
EUT Y_2TX
Setting 1E
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	59.41	74.00	-14.59	28.61	3	Vertical	283	2.20	-	27.51	3.29	-
AV	2.3878G	47.16	54.00	-6.84	16.36	3	Vertical	283	2.20	-	27.51	3.29	-
PK	2.445G	109.50	Inf	-Inf	78.50	3	Vertical	283	2.20	-	27.68	3.32	-
AV	2.445G	99.38	Inf	-Inf	68.38	3	Vertical	283	2.20	-	27.68	3.32	-
PK	2.4835G	70.83	74.00	-3.17	39.66	3	Vertical	283	2.20	-	27.83	3.34	-
AV	2.485G	53.59	54.00	-0.41	22.41	3	Vertical	283	2.20	-	27.84	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

16/09/2020



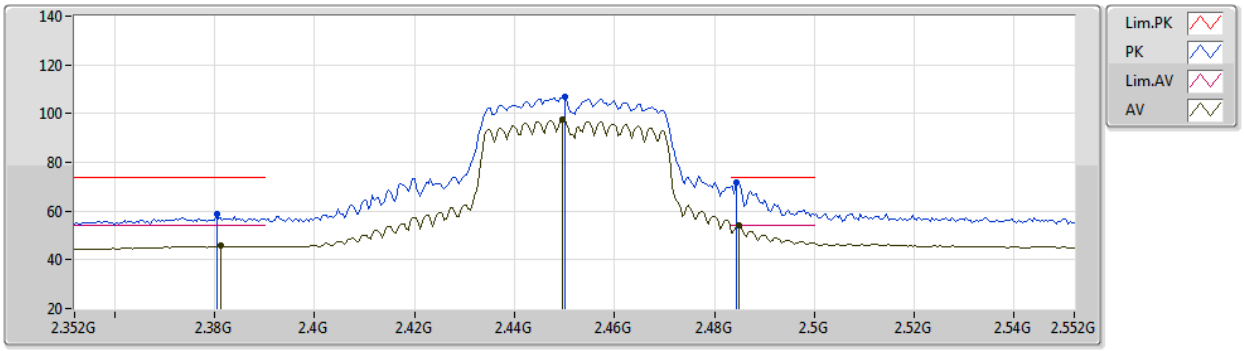
EUT Y_2TX
Setting 1E
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3618G	55.55	74.00	-18.45	24.75	3	Horizontal	153	1.80	-	27.54	3.26	-
AV	2.357G	43.89	54.00	-10.11	13.09	3	Horizontal	153	1.80	-	27.54	3.26	-
PK	2.4454G	102.41	Inf	-Inf	71.41	3	Horizontal	153	1.80	-	27.68	3.32	-
AV	2.4454G	92.64	Inf	-Inf	61.64	3	Horizontal	153	1.80	-	27.68	3.32	-
PK	2.4838G	62.14	74.00	-11.86	30.96	3	Horizontal	153	1.80	-	27.84	3.34	-
AV	2.4835G	48.22	54.00	-5.78	17.05	3	Horizontal	153	1.80	-	27.83	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

16/09/2020



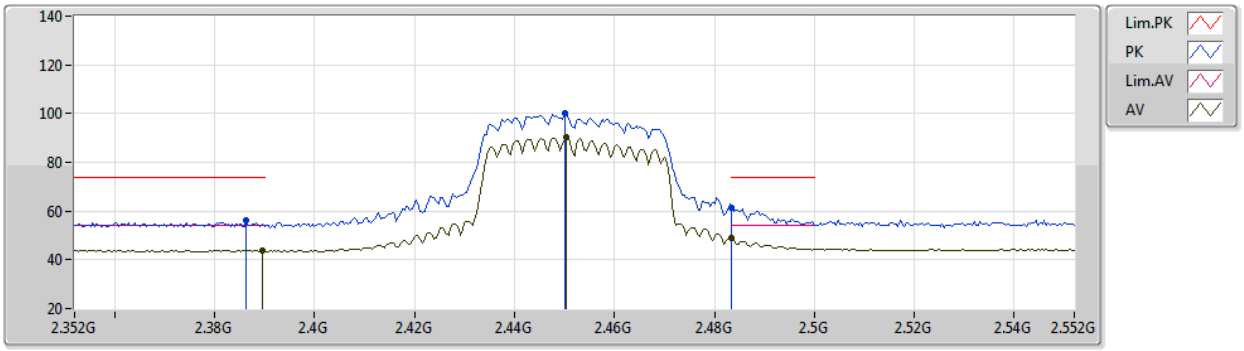
EUT Y_2TX
Setting 1C
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3804G	58.55	74.00	-15.45	27.75	3	Vertical	268	1.91	-	27.52	3.28	-
AV	2.3812G	45.64	54.00	-8.36	14.84	3	Vertical	268	1.91	-	27.52	3.28	-
PK	2.45G	106.69	Inf	-Inf	75.66	3	Vertical	268	1.91	-	27.70	3.33	-
AV	2.4496G	97.44	Inf	-Inf	66.42	3	Vertical	268	1.91	-	27.70	3.32	-
PK	2.4844G	71.86	74.00	-2.14	40.68	3	Vertical	268	1.91	-	27.84	3.34	-
AV	2.4848G	53.96	54.00	-0.04	22.78	3	Vertical	268	1.91	-	27.84	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

16/09/2020



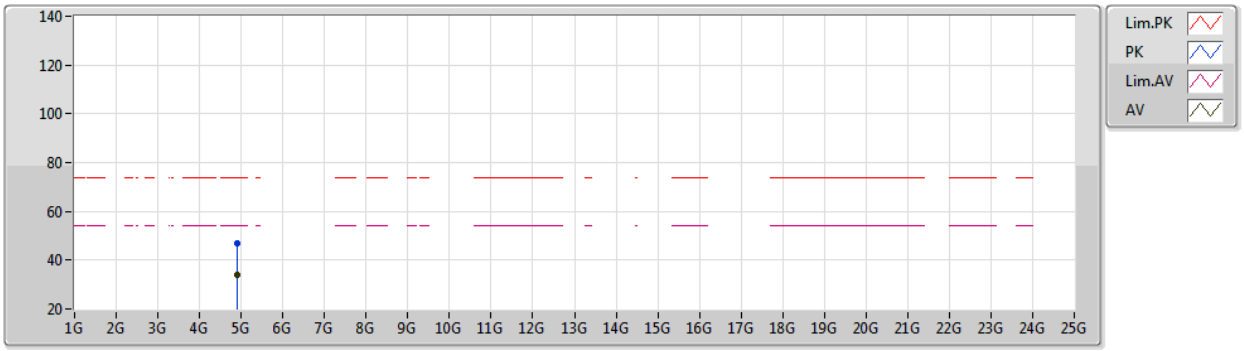
EUT Y_2TX
Setting 1C
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3864G	55.99	74.00	-18.01	25.19	3	Horizontal	155	1.80	-	27.51	3.29	-
AV	2.3896G	43.75	54.00	-10.25	12.95	3	Horizontal	155	1.80	-	27.51	3.29	-
PK	2.45G	99.92	Inf	-Inf	68.89	3	Horizontal	155	1.80	-	27.70	3.33	-
AV	2.4504G	90.11	Inf	-Inf	59.08	3	Horizontal	155	1.80	-	27.70	3.33	-
PK	2.4835G	61.59	74.00	-12.41	30.42	3	Horizontal	155	1.80	-	27.83	3.34	-
AV	2.4835G	48.81	54.00	-5.19	17.64	3	Horizontal	155	1.80	-	27.83	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

16/09/2020



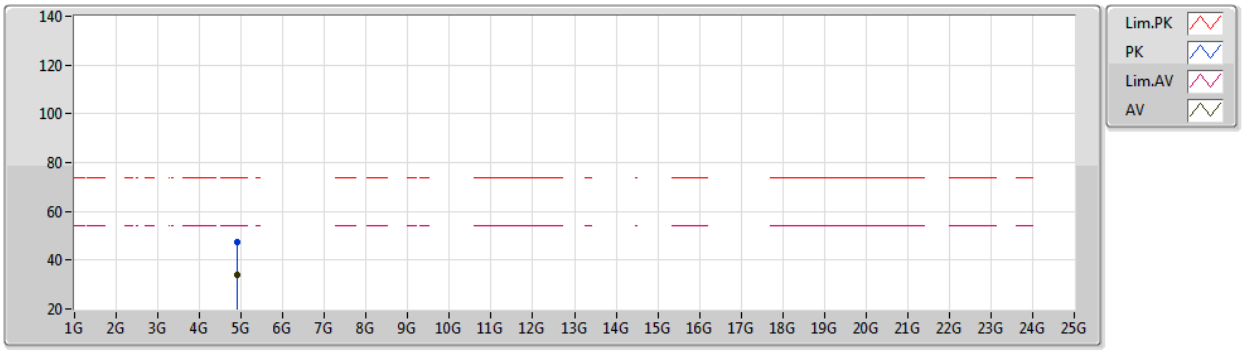
EUT Y_2TX
Setting 1C
04-D-N-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90588G	47.04	74.00	-26.96	42.13	3	Vertical	306	1.17	-	32.91	4.87	32.87
AV	4.90408G	34.09	54.00	-19.91	29.18	3	Vertical	306	1.17	-	32.91	4.87	32.87

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

16/09/2020



EUT Y_2TX
Setting 1C
04-D-N-2

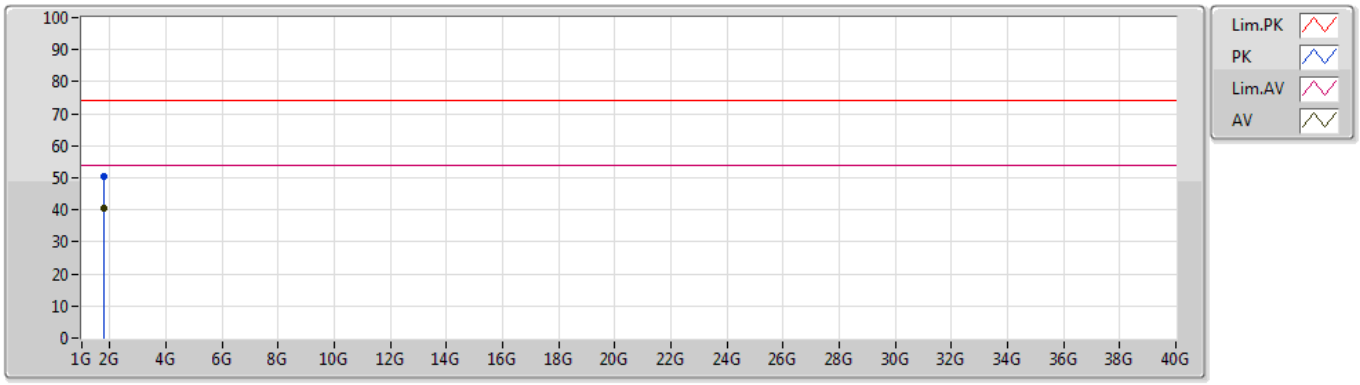
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.89828G	47.46	74.00	-26.54	42.57	3	Horizontal	260	2.22	-	32.89	4.87	32.87
AV	4.9036G	33.71	54.00	-20.29	28.80	3	Horizontal	260	2.22	-	32.91	4.87	32.87

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.79088G	40.33	54.00	-13.67	Vertical

Mode 1

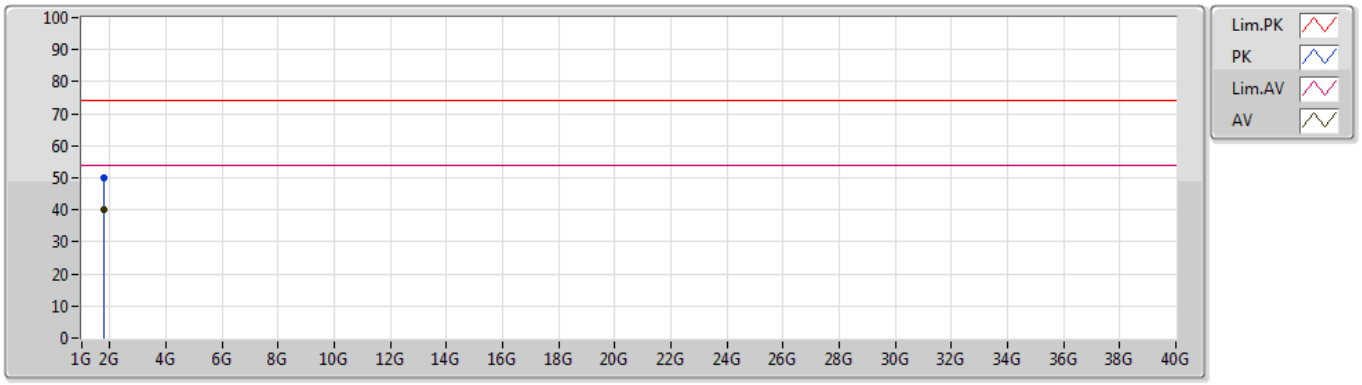
23/09/2020



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	1.78912G	50.49	74.00	-23.51	-4.41	3	Vertical	264	2.05	-	54.90	26.44	3.78	34.63
AV	1.79088G	40.33	54.00	-13.67	-4.40	3	Vertical	264	2.05	"Worst"	44.73	26.44	3.79	34.63

Mode 1

23/09/2020



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	1.79002G	50.16	74.00	-23.84	-4.40	3	Horizontal	215	1.47	-	54.56	26.44	3.79	34.63
AV	1.79021G	40.12	54.00	-13.88	-4.40	3	Horizontal	215	1.47	"Worst"	44.52	26.44	3.79	34.63