

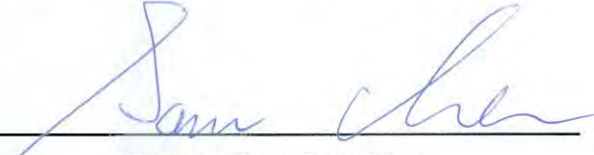


FCC RADIO TEST REPORT

FCC ID : TE7WPA4220V5
Equipment : AV600 Powerline Wi-Fi Extender
Brand Name : tp-link
Model Name : TL-WPA4220
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 Aug. 20, 2020, and testing was started from Aug. 25, 2020 and completed on Sep. 02, 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.)



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Appendix G. Test Photos

Photographs of EUT v01



History of this test report

Report No.	Version	Description	Issued Date
FR782206-07	01	Initial issue of report	Sep. 21, 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: **Wendy Pan**



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	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	-	Printed Antenna	N/A	2
2	2	-	-	Printed Antenna	N/A	2

Note: The above information was declared by manufacturer.

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

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

Ant. 1 and Ant. 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.977	0.1	8.417m	300
802.11g	0.865	0.63	1.397m	1k
802.11n HT20	0.86	0.66	1.309m	1k
802.11n HT40	0.751	1.24	648.438u	3k

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	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming		
Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point		
Test Software Version	MT7603 QA V0.0.0.70			

Note: The above information was declared by manufacturer.



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		
<input type="checkbox"/>	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
<input checked="" type="checkbox"/>	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	RJ Huang	23.8-25.3°C / 55-56%	Aug. 26, 2020
Radiated<1GHz	03CH06-CB	Owen Hsu	23-23.7°C / 54-57%	Aug. 25, 2020 ~ Sep. 02, 2020
Radiated>1GHz	03CH04-CB	Owen Hsu	24.4-25.9°C / 55-57%	Aug. 25, 2020 ~ Sep. 02, 2020
AC Conduction	CO02-CB	Max Lin	20~21°C / 64~65%	Aug. 25, 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	1E
2417MHz	24
2437MHz	26
2457MHz	21
2462MHz	21
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	1A
2417MHz	1F
2437MHz	2F
2457MHz	1E
2462MHz	18
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	18
2417MHz	1E
2437MHz	2F
2457MHz	1E
2462MHz	16
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	11
2427MHz	13
2437MHz	17
2447MHz	15
2452MHz	13



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	Idle Mode (without data transmit)

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density
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
	The EUT was performed at Z axis and Y axis position for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis
Operating Mode > 1GHz	CTX
	The EUT was performed at Z axis and Y axis position and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

N/A

2.5 Support Equipment

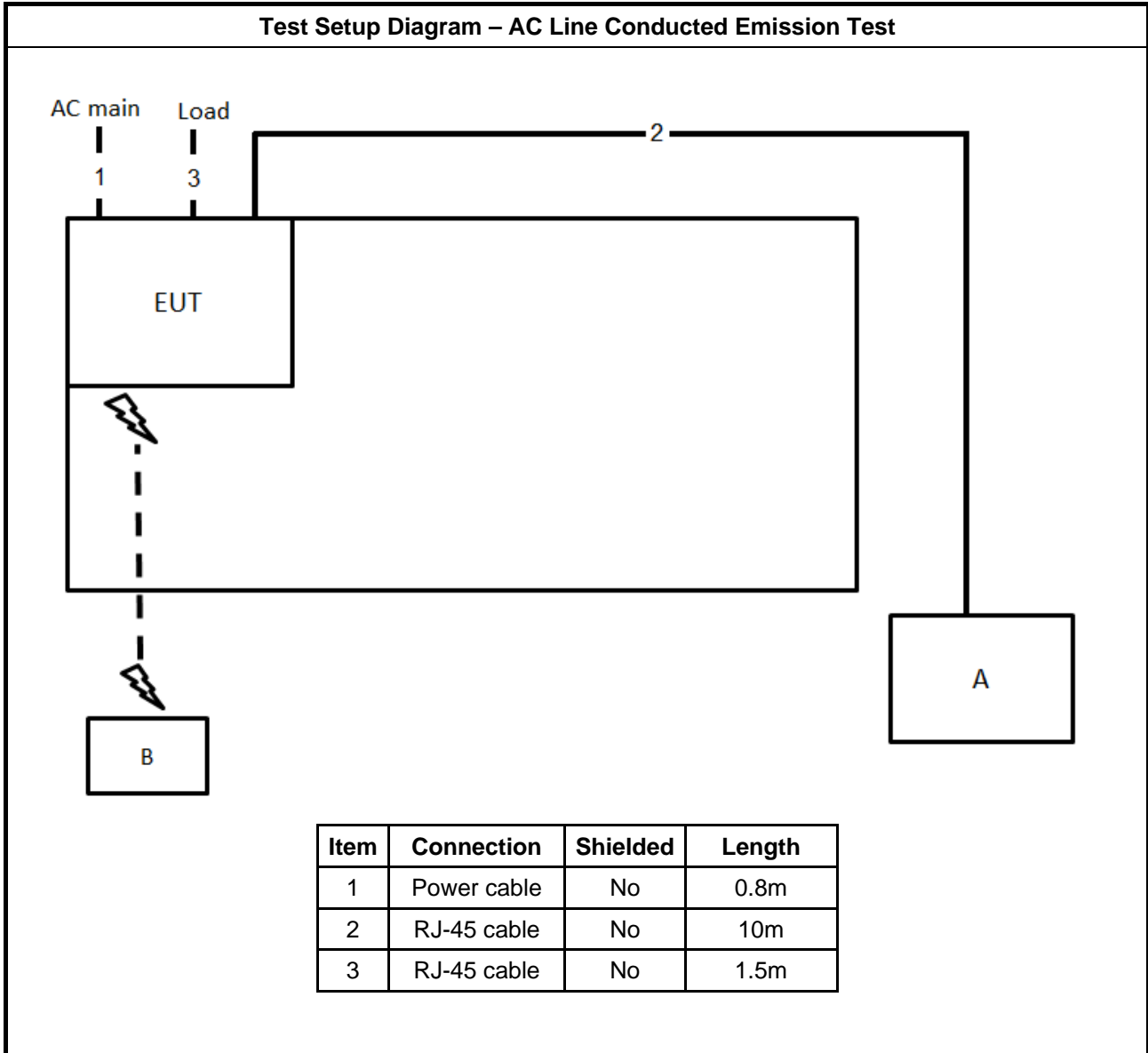
For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A

For RF Conducted and Radiated:

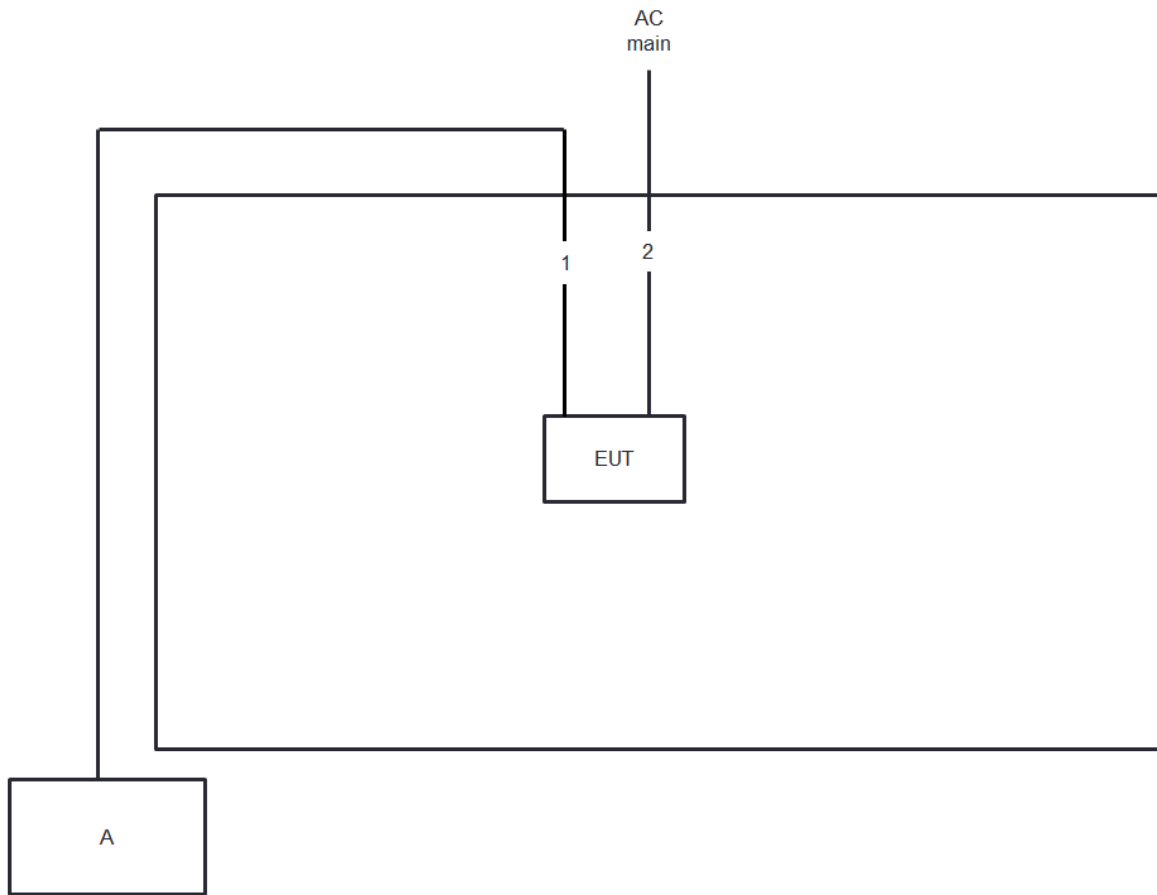
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram





Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m



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.

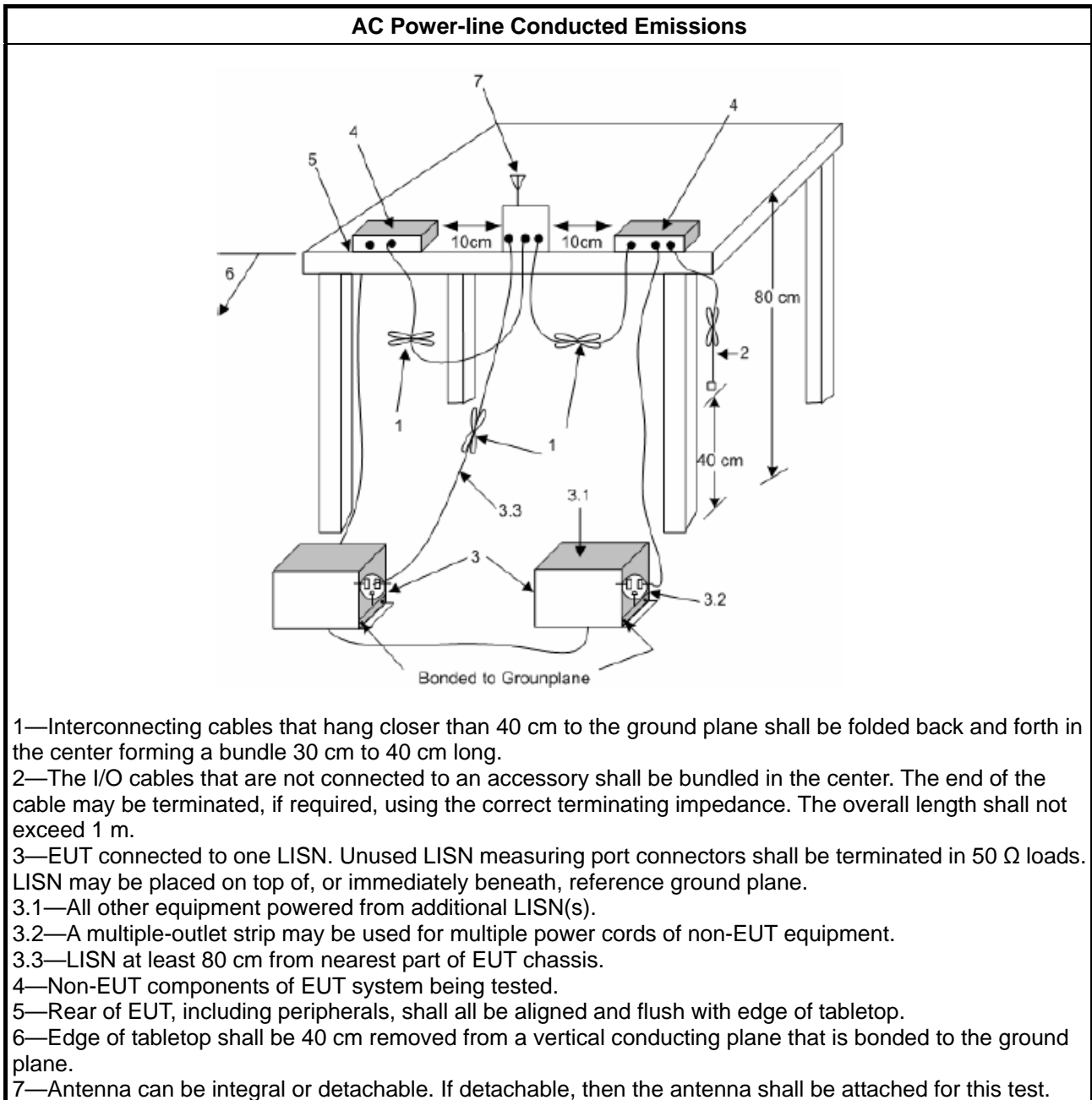
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



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:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

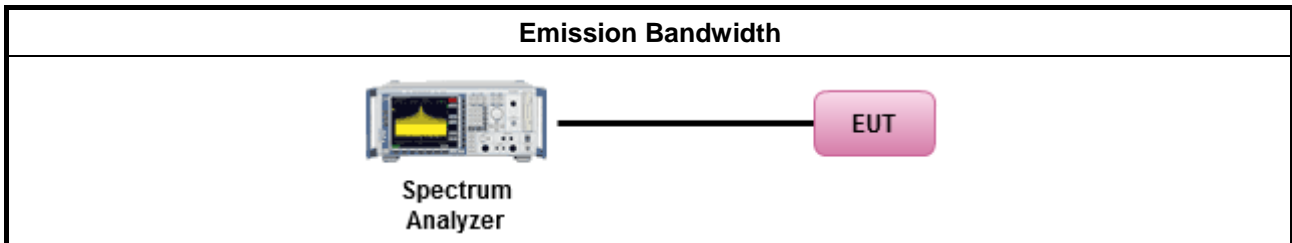
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



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	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
<p>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

3.3.2 Measuring Instruments

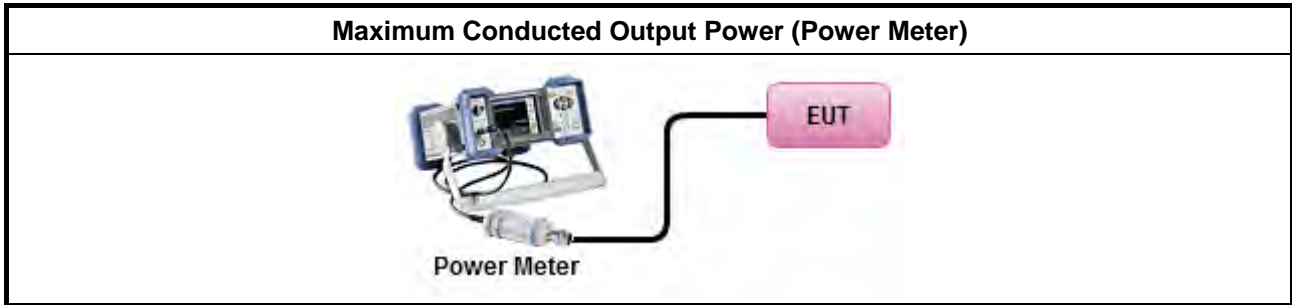
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> 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	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> 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)	
	<input type="checkbox"/> 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).
	<input checked="" type="checkbox"/> 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).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



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
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

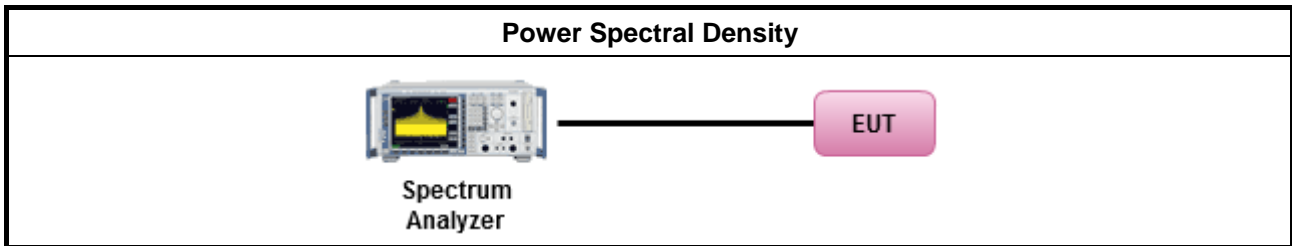
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
<ul style="list-style-type: none"> 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). 			
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.			
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <table border="1"> <tbody> <tr> <td> <input checked="" type="checkbox"/> 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. </td> </tr> <tr> <td> <input type="checkbox"/> 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, </td> </tr> <tr> <td> <input type="checkbox"/> 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. </td> </tr> </tbody> </table> 	<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> 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,	<input type="checkbox"/> 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.
<input checked="" type="checkbox"/> 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.			
<input type="checkbox"/> 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,			
<input type="checkbox"/> 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



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.

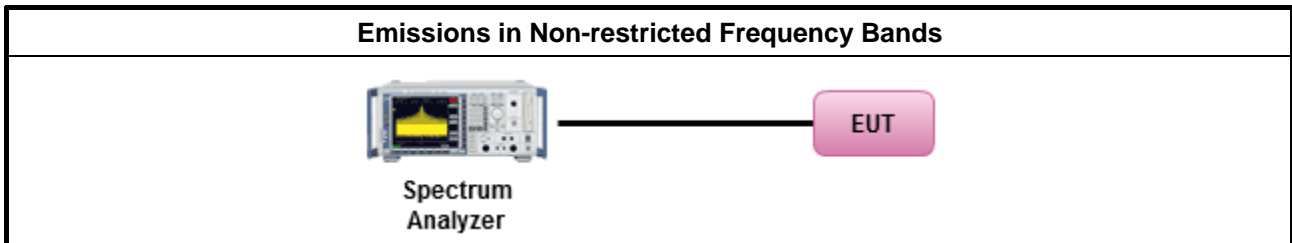
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



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

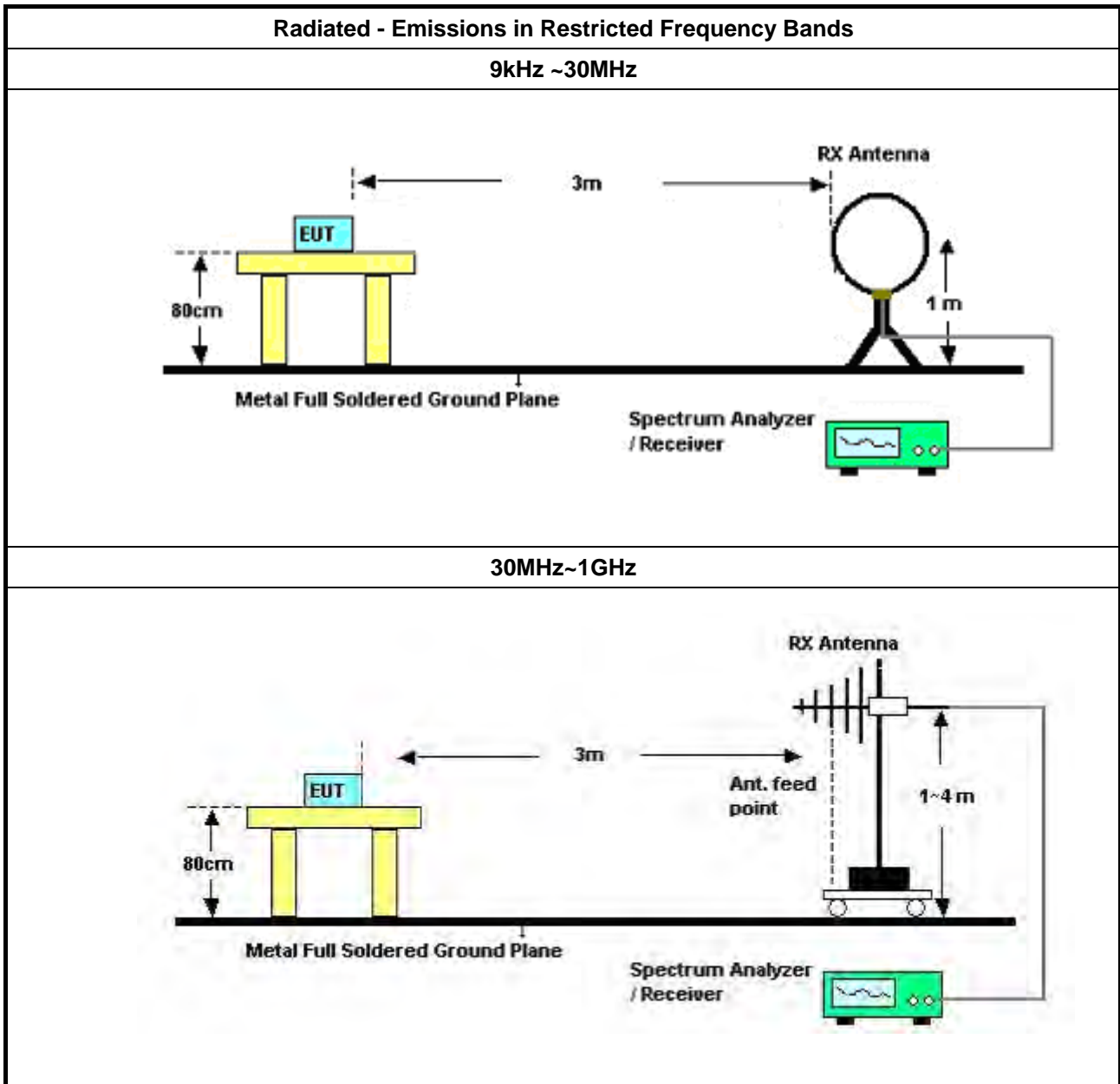
Refer a test equipment and calibration data table in this test report.

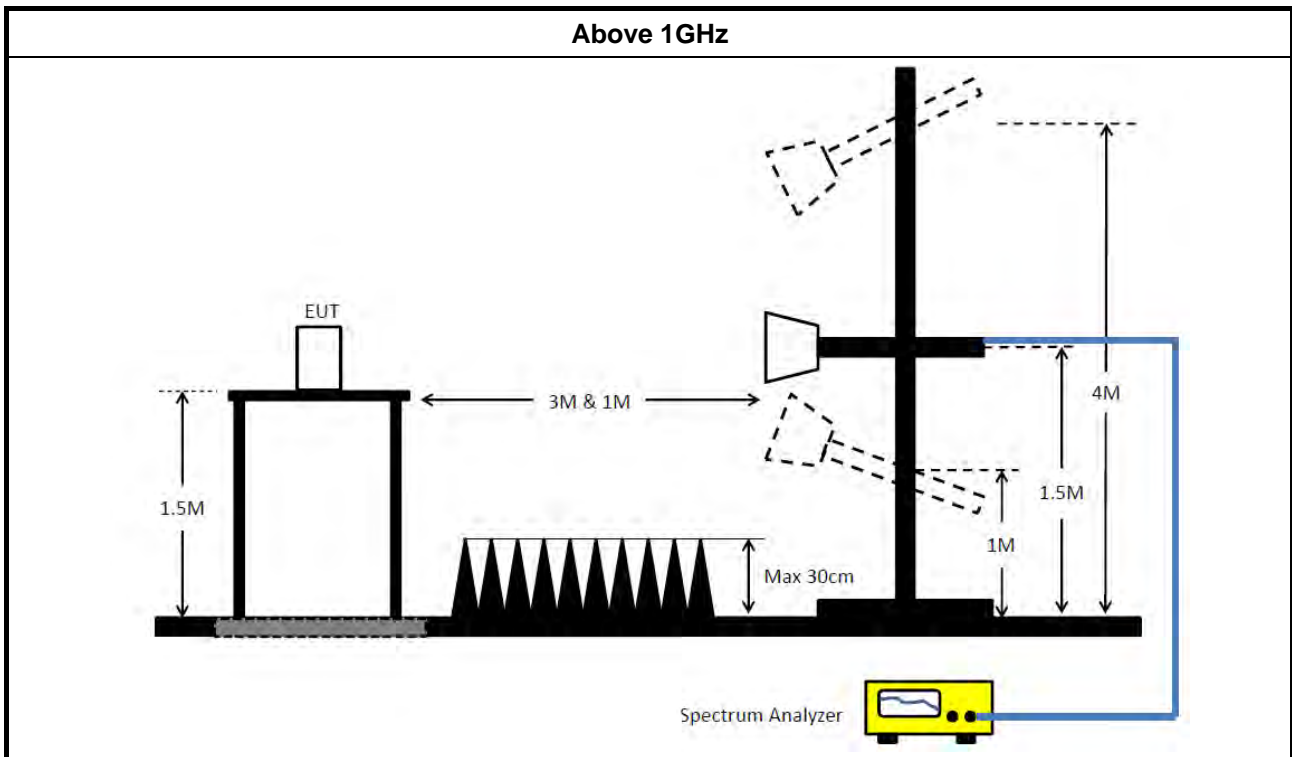


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
<input type="checkbox"/>	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ 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
	<ul style="list-style-type: none"> ▪ 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





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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Mar. 10, 2020	Mar. 09, 2021	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 21, 2019	Oct. 20, 2020	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 19, 2020	Mar. 18, 2021	Conduction (CO02-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 02, 2020	Aug. 01, 2021	Radiation (03CH06-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 21, 2020	May 20, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
RF Cable-low	HUBER+SUHNER	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
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)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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.

N.C.R. means Non-Calibration required.

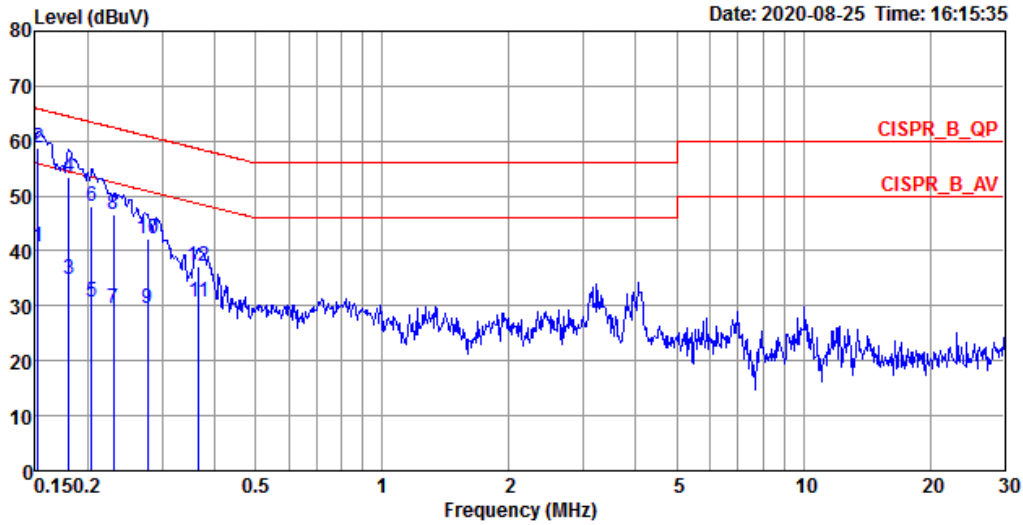


AC Power Port Conducted Emission Result

Appendix A

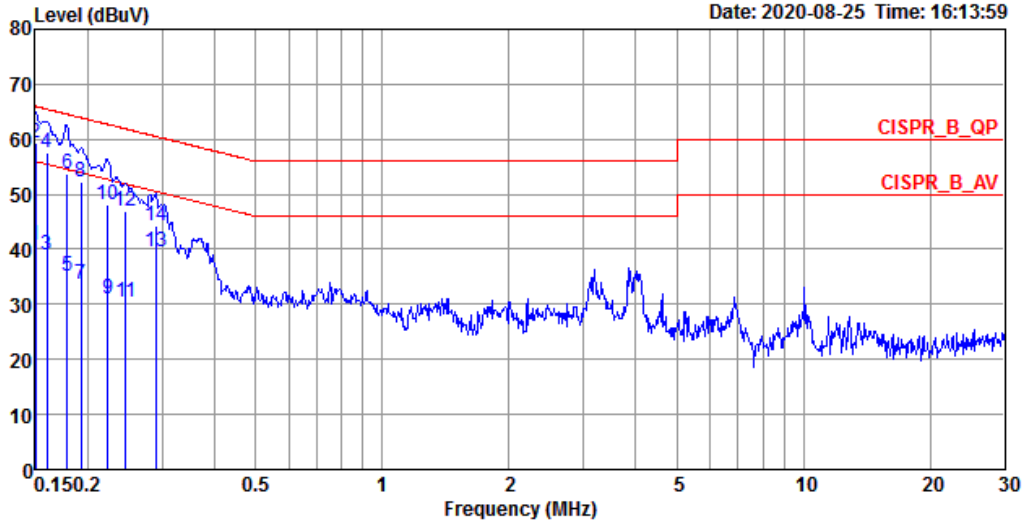
Test Mode	Mode 1	Frequency Range	0.15 MHz to 30 MHz
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Line



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1524	40.64	-15.23	55.87	30.43	10.15	0.06	Average	LINE
2	0.1524	58.60	-7.27	65.87	48.39	10.15	0.06	QP	LINE
3	0.1806	34.91	-19.55	54.46	24.69	10.15	0.07	Average	LINE
4	0.1806	53.34	-11.12	64.46	43.12	10.15	0.07	QP	LINE
5	0.2040	30.62	-22.83	53.45	20.40	10.15	0.07	Average	LINE
6	0.2040	48.13	-15.32	63.45	37.91	10.15	0.07	QP	LINE
7	0.2304	29.48	-22.96	52.44	19.26	10.15	0.07	Average	LINE
8	0.2304	46.53	-15.91	62.44	36.31	10.15	0.07	QP	LINE
9	0.2773	29.49	-21.41	50.90	19.27	10.15	0.07	Average	LINE
10	0.2773	42.27	-18.63	60.90	32.05	10.15	0.07	QP	LINE
11	0.3673	30.76	-17.80	48.56	20.52	10.16	0.08	Average	LINE
12	0.3673	37.27	-21.29	58.56	27.03	10.16	0.08	QP	LINE

Neutral



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	40.82	-15.18	56.00	30.63	10.13	0.06	Average	NEUTRAL
2	0.1500	59.39	-6.61	66.00	49.20	10.13	0.06	QP	NEUTRAL
3	0.1598	39.05	-16.42	55.47	28.86	10.13	0.06	Average	NEUTRAL
4	0.1598	57.56	-7.91	65.47	47.37	10.13	0.06	QP	NEUTRAL
5	0.1787	35.02	-19.53	54.55	24.82	10.13	0.07	Average	NEUTRAL
6	0.1787	53.87	-10.68	64.55	43.67	10.13	0.07	QP	NEUTRAL
7	0.1924	33.59	-20.34	53.93	23.39	10.13	0.07	Average	NEUTRAL
8	0.1924	52.19	-11.74	63.93	41.99	10.13	0.07	QP	NEUTRAL
9	0.2232	30.93	-21.77	52.70	20.73	10.13	0.07	Average	NEUTRAL
10	0.2232	48.06	-14.64	62.70	37.86	10.13	0.07	QP	NEUTRAL
11	0.2455	30.36	-21.55	51.91	20.16	10.13	0.07	Average	NEUTRAL
12	0.2455	46.97	-14.94	61.91	36.77	10.13	0.07	QP	NEUTRAL
13	0.2909	39.68	-10.82	50.50	29.47	10.14	0.07	Average	NEUTRAL
14	0.2909	44.23	-16.27	60.50	34.02	10.14	0.07	QP	NEUTRAL



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	15.292M	15M3D2W	9.525M	14.393M
802.11g_Nss1,(6Mbps)_2TX	15.05M	22.789M	22M8D7W	13.85M	16.367M
802.11n HT20_Nss1,(MCS0)_2TX	16.3M	25.562M	25M6D7W	15.05M	17.516M
802.11n HT40_Nss1,(MCS0)_2TX	35.05M	35.982M	36M0D7W	34.95M	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	9.525M	14.418M	10M	14.393M
2437MHz	Pass	500k	10.075M	15.242M	10.075M	15.292M
2462MHz	Pass	500k	10.025M	14.518M	10.025M	14.693M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.95M	16.592M	15.05M	16.392M
2437MHz	Pass	500k	13.85M	20.34M	15.05M	22.789M
2462MHz	Pass	500k	14.05M	16.567M	15.05M	16.367M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	17.566M	15.1M	17.516M
2437MHz	Pass	500k	15.125M	22.039M	16.3M	25.562M
2462MHz	Pass	500k	15.075M	17.566M	15.1M	17.516M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	34.95M	35.882M	35.05M	35.932M
2437MHz	Pass	500k	35.05M	35.932M	35.05M	35.982M
2452MHz	Pass	500k	35.05M	35.882M	35.05M	35.982M

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

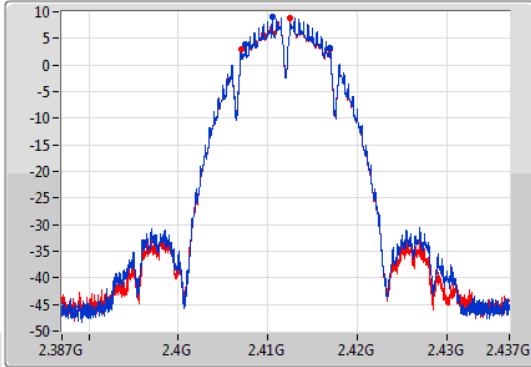
802.11b_Nss1,(1Mbps)_2TX

EBW

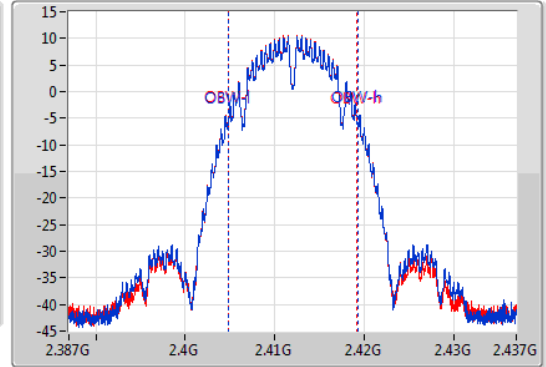
2412MHz

26/08/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.525M	2.407475G	2.417G	14.418M	2.404829G	2.419246G	500k	1
10M	2.407G	2.417G	14.393M	2.404829G	2.419221G	500k	2

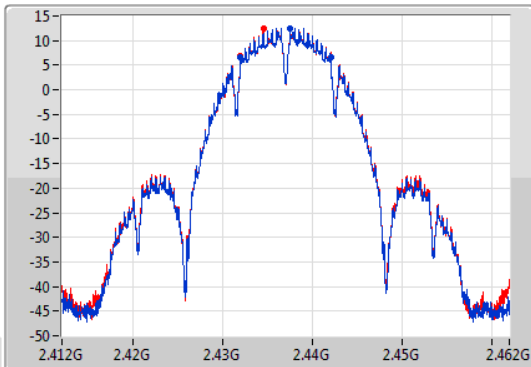
802.11b_Nss1,(1Mbps)_2TX

EBW

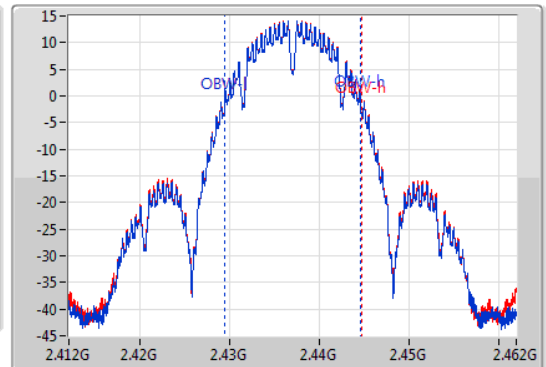
2437MHz

26/08/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.075M	2.431975G	2.44205G	15.242M	2.429379G	2.444621G	500k	1
10.075M	2.431975G	2.44205G	15.292M	2.429379G	2.444671G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

26/08/2020

CF
2.462GHz

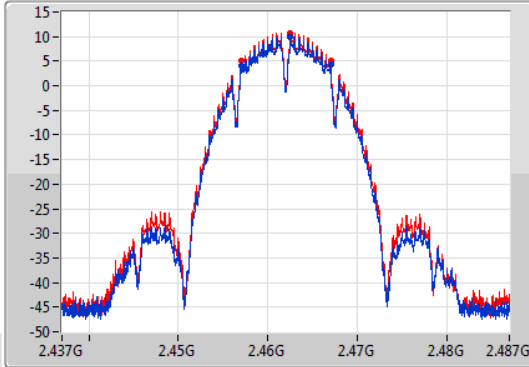
Span
50MHz

RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak



CF
2.462GHz

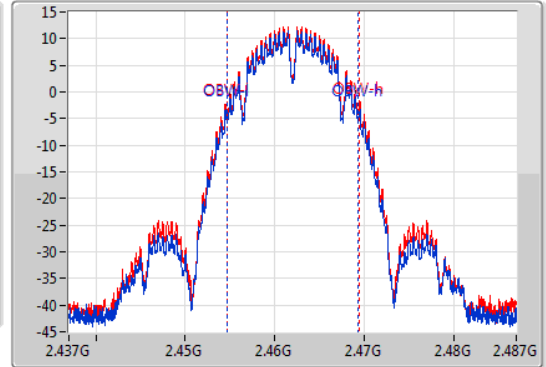
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.457G	2.467025G	14.518M	2.454754G	2.469271G	500k	1
10.025M	2.457G	2.467025G	14.693M	2.454704G	2.469396G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

26/08/2020

CF
2.412GHz

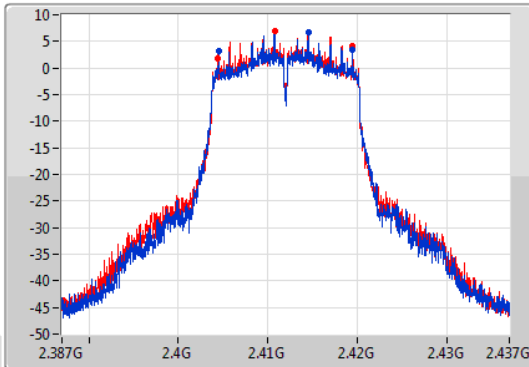
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RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak



CF
2.412GHz

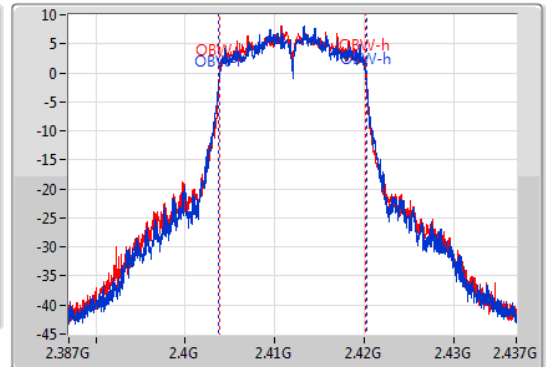
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RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



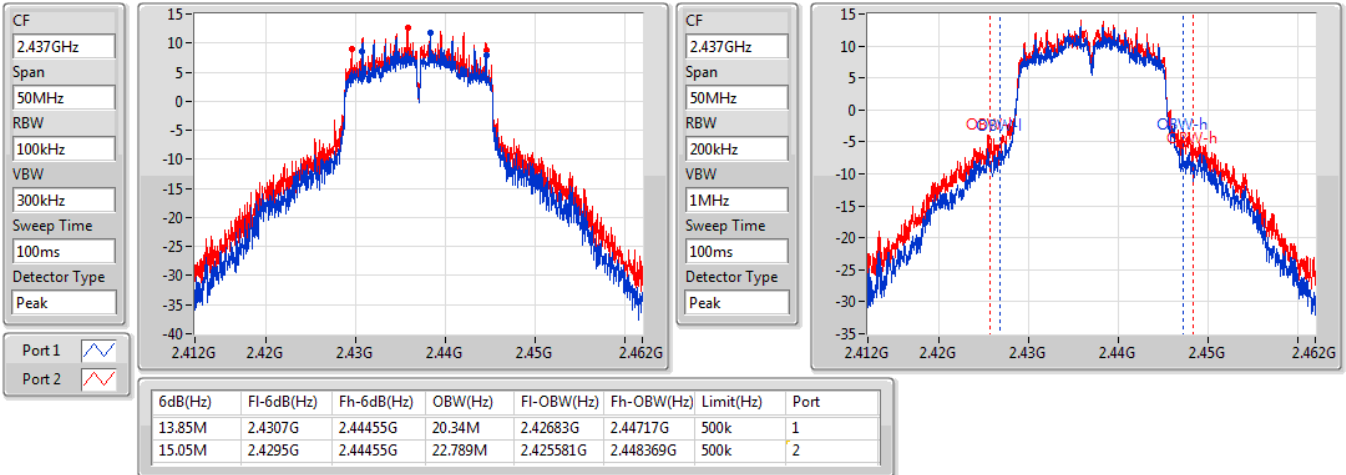
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14.95M	2.404525G	2.419475G	16.592M	2.403704G	2.420296G	500k	1
15.05M	2.40445G	2.4195G	16.392M	2.403804G	2.420196G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

26/08/2020

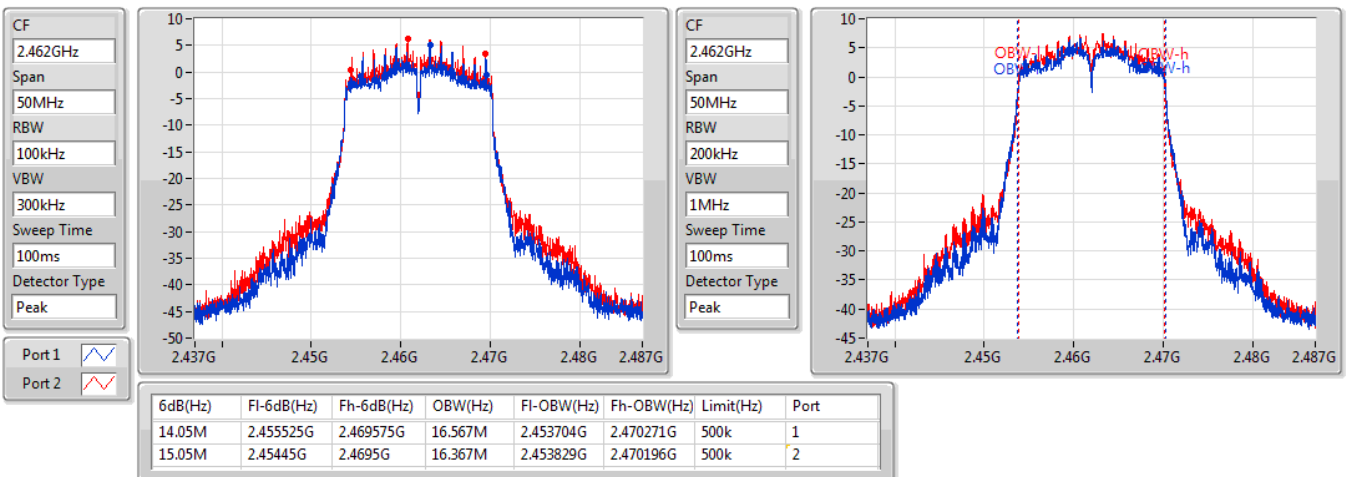


802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

26/08/2020



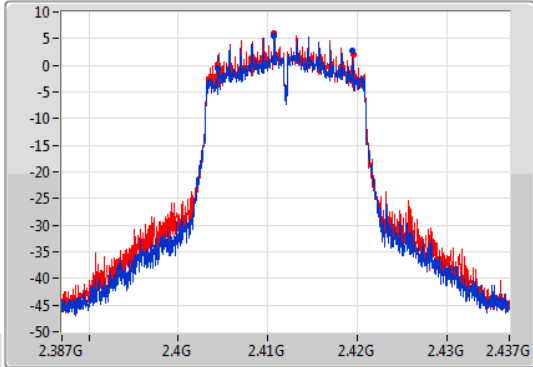
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EBW

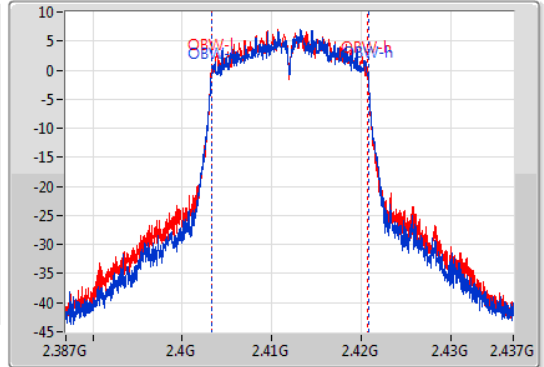
2412MHz

26/08/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.40445G	2.4195G	17.566M	2.403229G	2.420796G	500k	1
15.1M	2.40445G	2.41955G	17.516M	2.403254G	2.420771G	500k	2

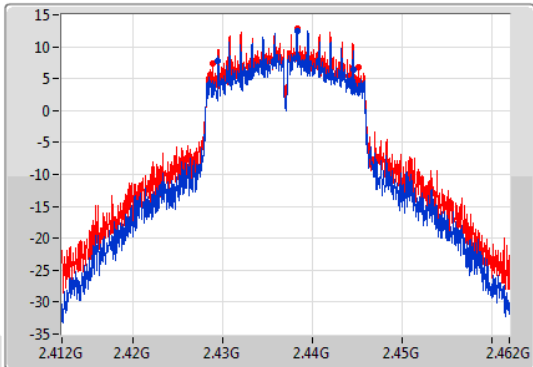
802.11n HT20_Nss1,(MCS0)_2TX

EBW

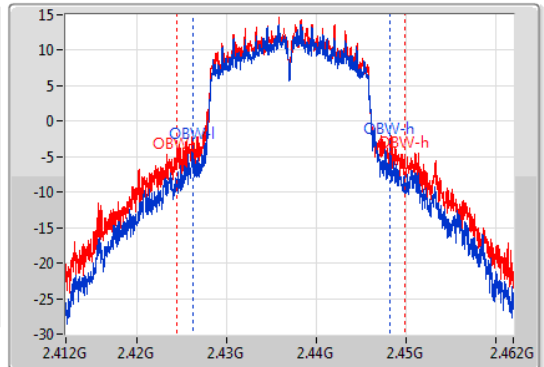
2437MHz

26/08/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.125M	2.42945G	2.444575G	22.039M	2.426155G	2.448194G	500k	1
16.3M	2.42885G	2.44515G	25.562M	2.424356G	2.449919G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2462MHz

26/08/2020

CF
2.462GHz

Span
50MHz

RBW
100kHz

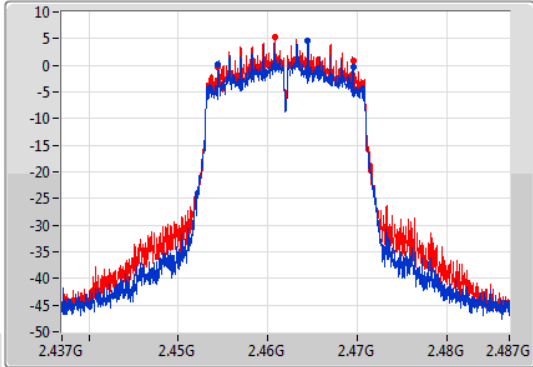
VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port 1

Port 2



CF
2.462GHz

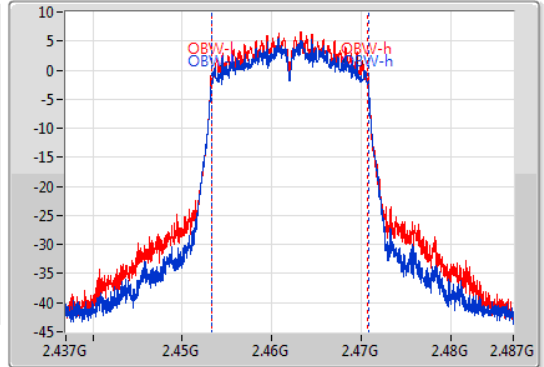
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.454475G	2.46955G	17.566M	2.453229G	2.470796G	500k	1
15.1M	2.45445G	2.46955G	17.516M	2.453254G	2.470771G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2422MHz

26/08/2020

CF
2.422GHz

Span
100MHz

RBW
100kHz

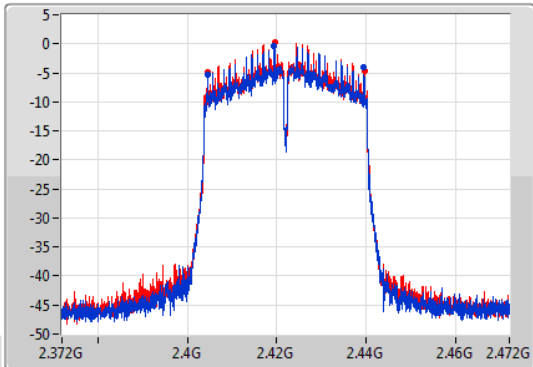
VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port 1

Port 2



CF
2.422GHz

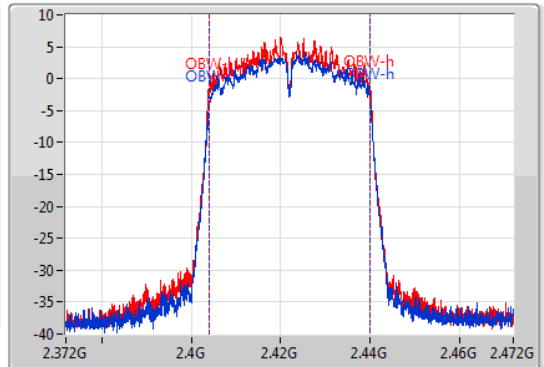
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak



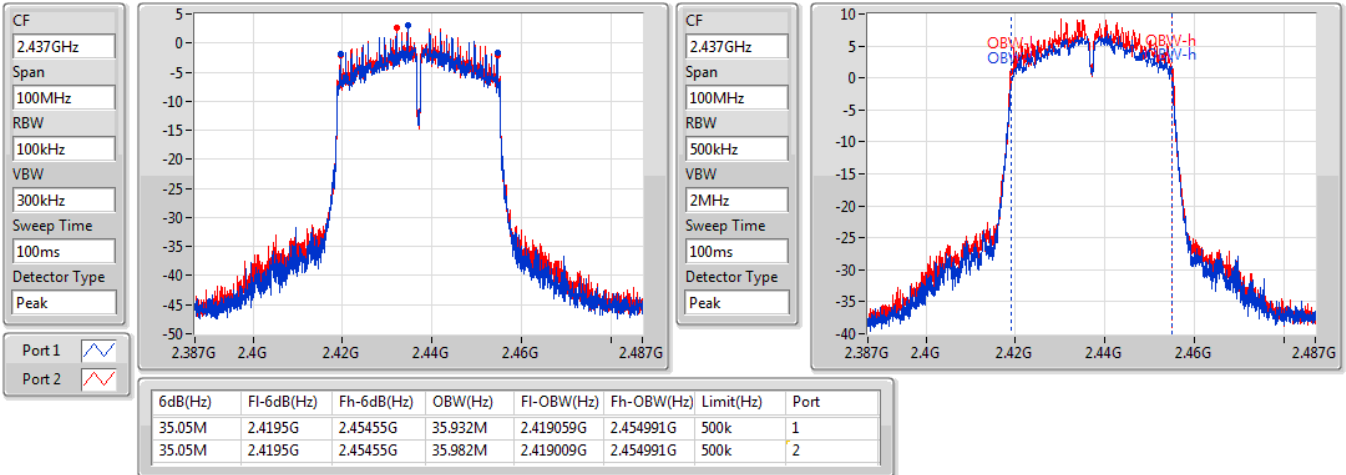
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.95M	2.40455G	2.4395G	35.882M	2.404109G	2.439991G	500k	1
35.05M	2.4045G	2.43955G	35.932M	2.404059G	2.439991G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2437MHz

26/08/2020

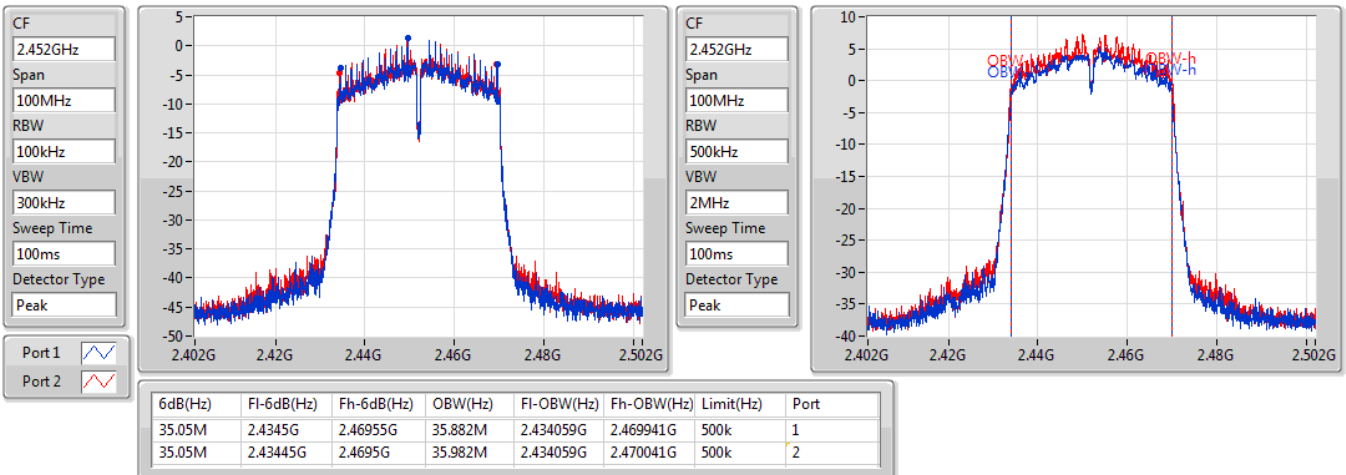


802.11n HT40_Nss1,(MCS0)_2TX

EBW

2452MHz

26/08/2020





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.17	0.41400
802.11g_Nss1,(6Mbps)_2TX	25.66	0.36813
802.11n HT20_Nss1,(MCS0)_2TX	25.96	0.39446
802.11n HT40_Nss1,(MCS0)_2TX	18.76	0.07516



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	19.37	19.43	22.41	30.00
2417MHz	Pass	2.00	22.27	22.44	25.37	30.00
2437MHz	Pass	2.00	23.17	23.14	26.17	30.00
2457MHz	Pass	2.00	20.67	20.64	23.67	30.00
2462MHz	Pass	2.00	20.32	21.19	23.79	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	17.06	17.42	20.25	30.00
2417MHz	Pass	2.00	19.44	19.79	22.63	30.00
2437MHz	Pass	2.00	22.14	23.10	25.66	30.00
2457MHz	Pass	2.00	18.95	19.05	22.01	30.00
2462MHz	Pass	2.00	15.69	16.69	19.23	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	15.91	16.50	19.23	30.00
2417MHz	Pass	2.00	18.81	19.25	22.05	30.00
2437MHz	Pass	2.00	22.36	23.47	25.96	30.00
2457MHz	Pass	2.00	18.78	19.18	21.99	30.00
2462MHz	Pass	2.00	14.49	15.83	18.22	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.00	12.82	13.00	15.92	30.00
2427MHz	Pass	2.00	13.65	13.97	16.82	30.00
2437MHz	Pass	2.00	15.67	15.83	18.76	30.00
2447MHz	Pass	2.00	14.67	14.84	17.77	30.00
2452MHz	Pass	2.00	13.72	13.86	16.80	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	-4.84
802.11g_Nss1,(6Mbps)_2TX	-1.68
802.11n HT20_Nss1,(MCS0)_2TX	-0.48
802.11n HT40_Nss1,(MCS0)_2TX	-10.85

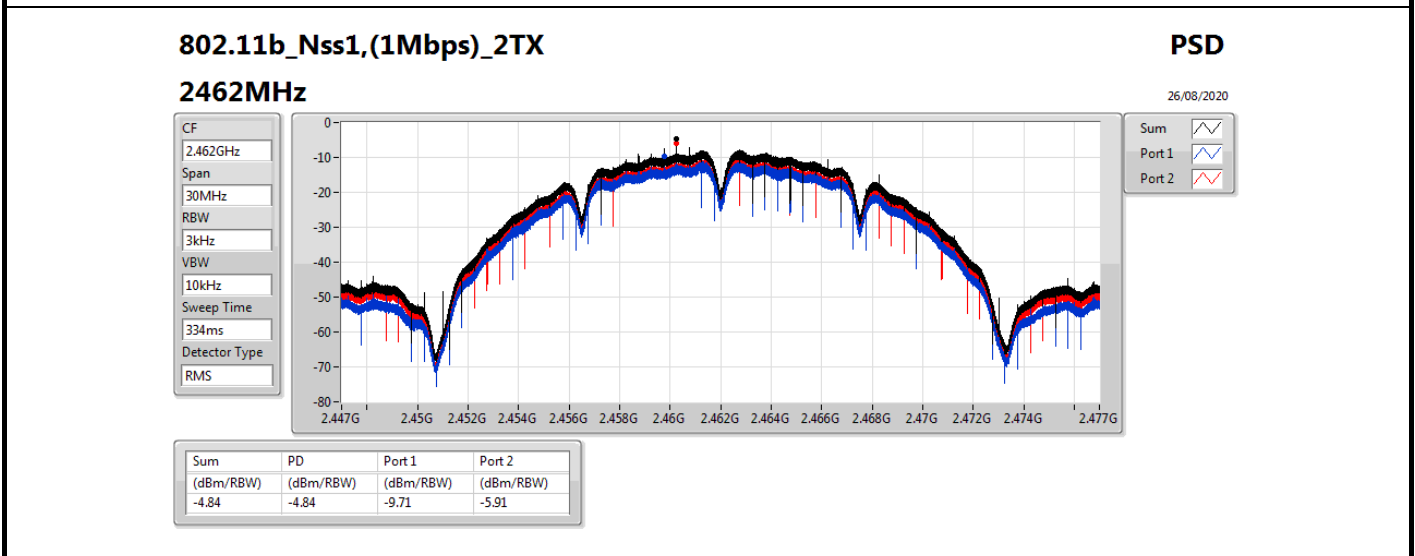
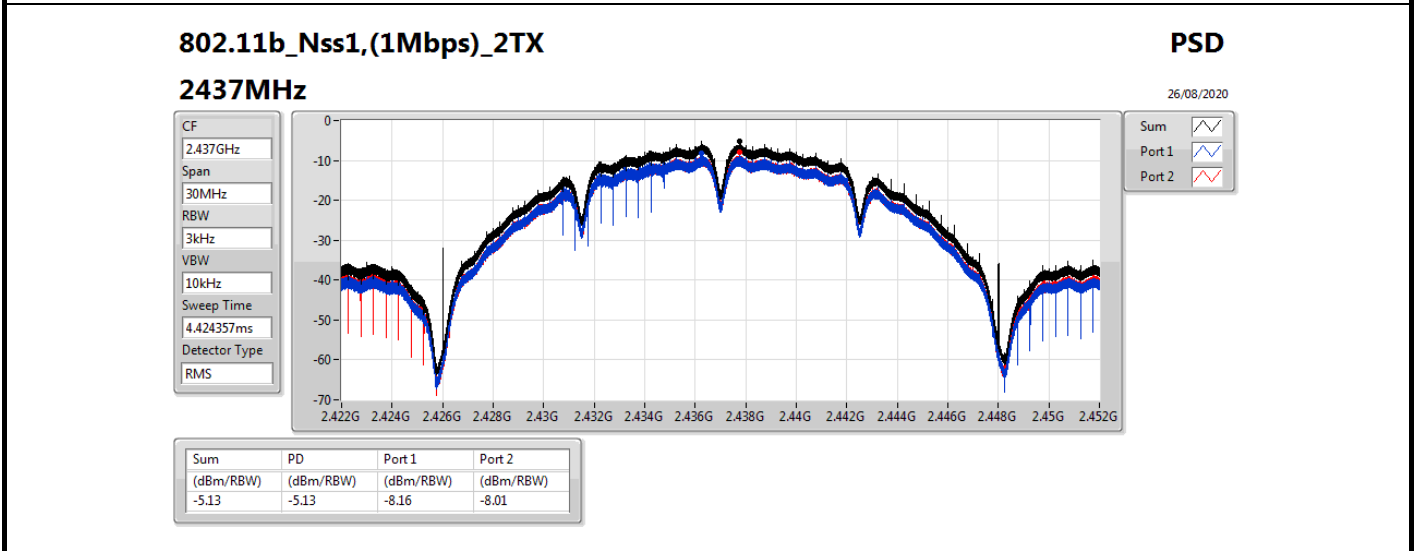
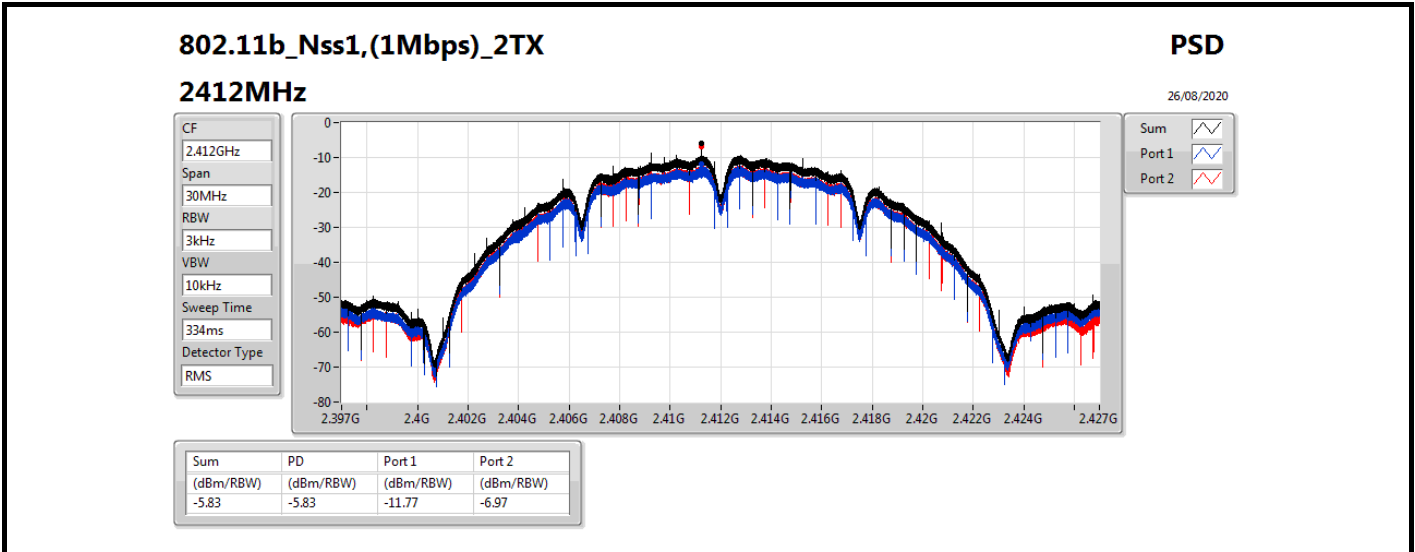
RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

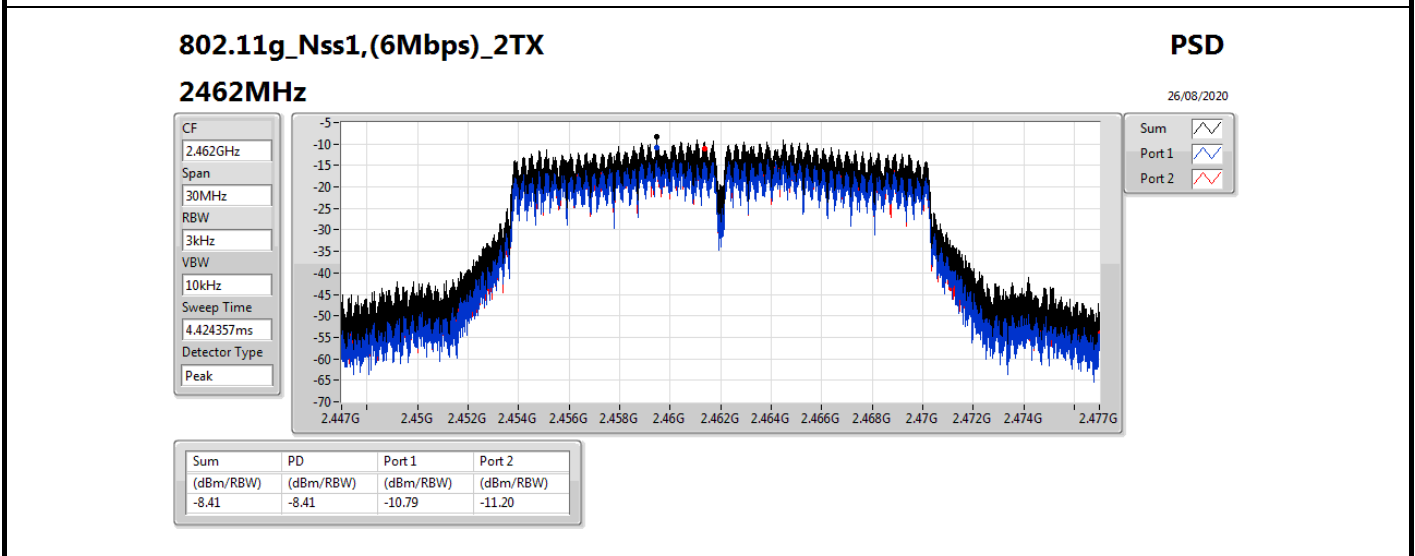
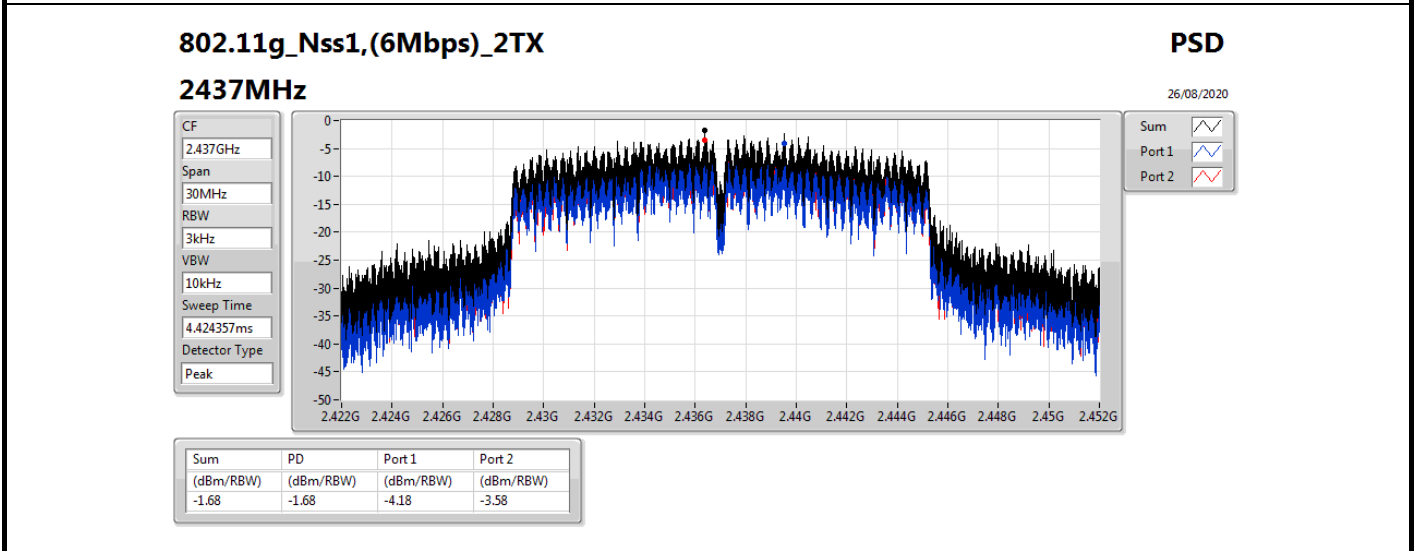
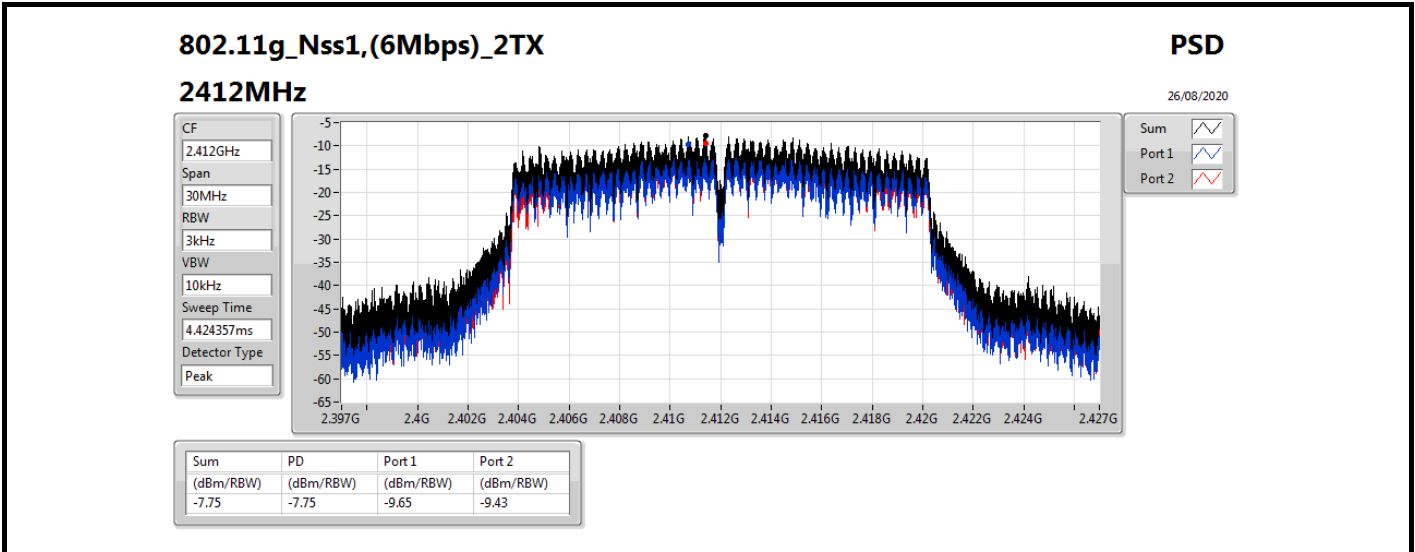
Result

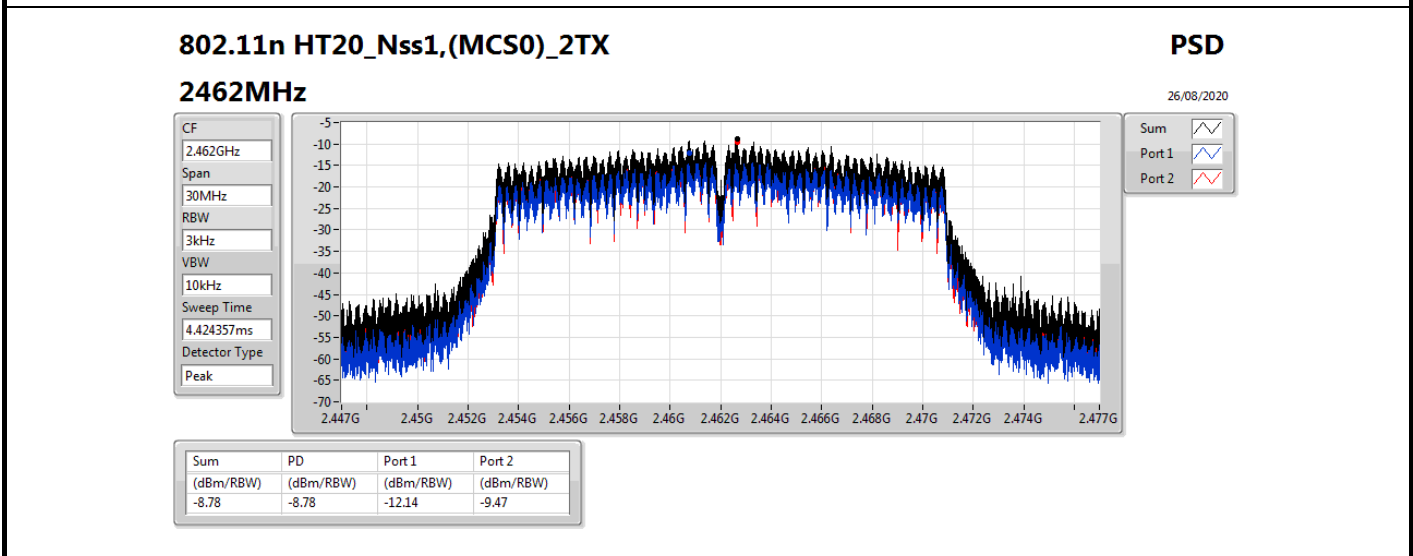
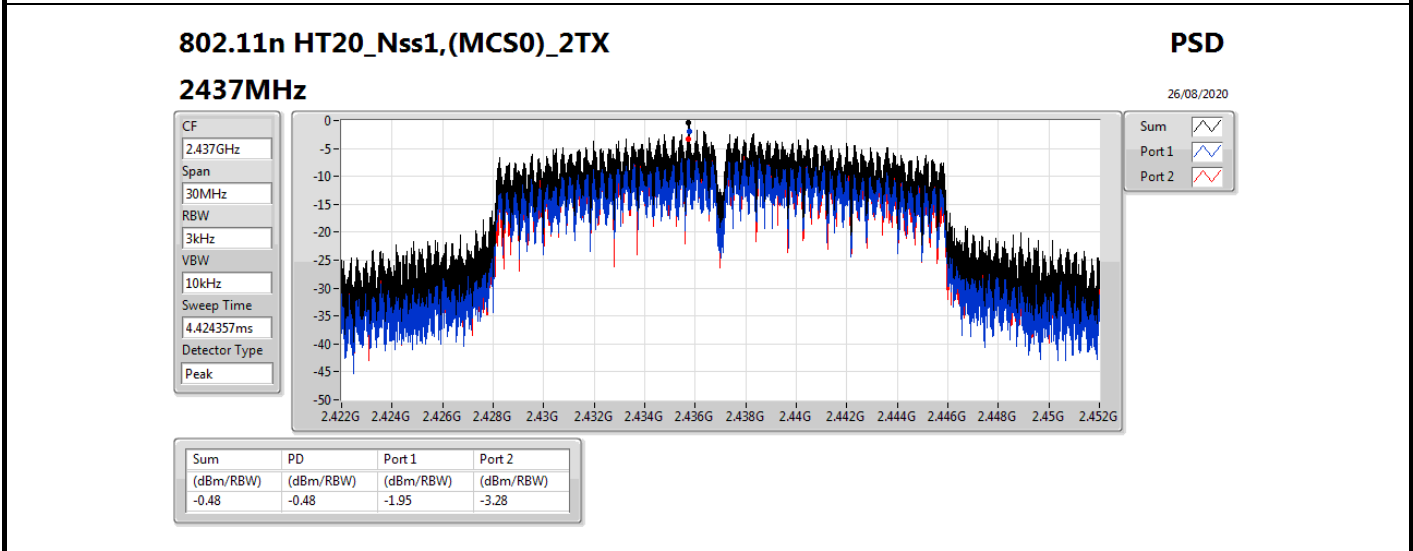
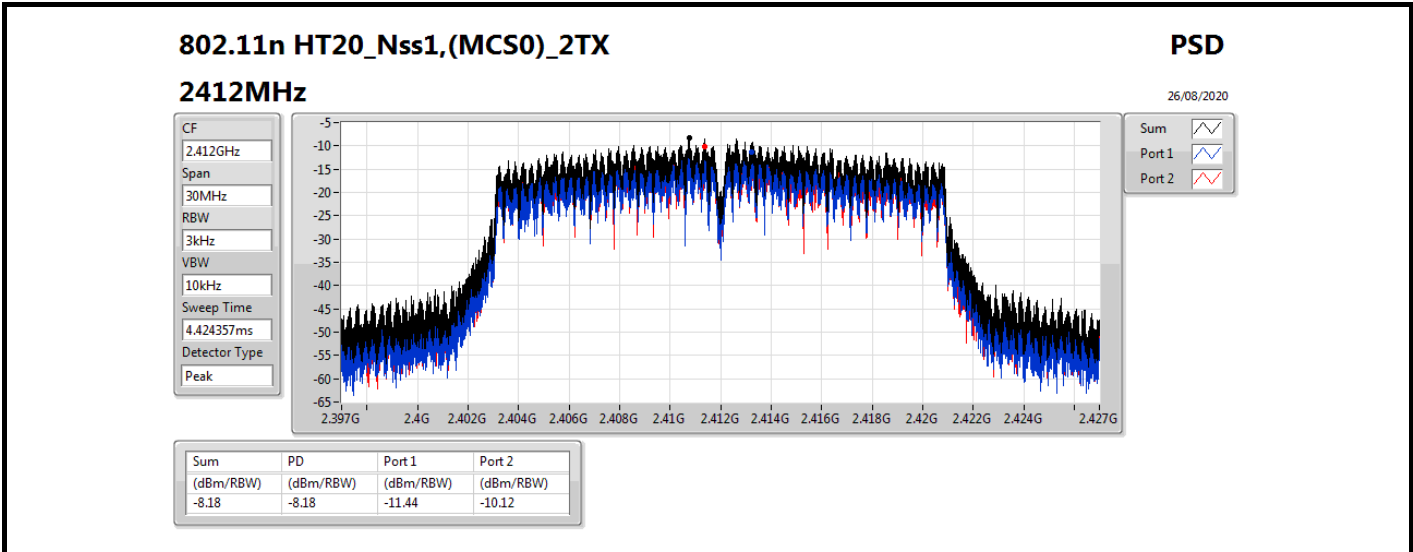
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-11.77	-6.97	-5.83	8.00
2437MHz	Pass	5.01	-8.16	-8.01	-5.13	8.00
2462MHz	Pass	5.01	-9.71	-5.91	-4.84	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-9.65	-9.43	-7.75	8.00
2437MHz	Pass	5.01	-4.18	-3.58	-1.68	8.00
2462MHz	Pass	5.01	-10.79	-11.20	-8.41	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-11.44	-10.12	-8.18	8.00
2437MHz	Pass	5.01	-1.95	-3.28	-0.48	8.00
2462MHz	Pass	5.01	-12.14	-9.47	-8.78	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.01	-16.75	-15.80	-13.90	8.00
2437MHz	Pass	5.01	-13.78	-13.46	-10.85	8.00
2452MHz	Pass	5.01	-15.91	-15.50	-13.20	8.00

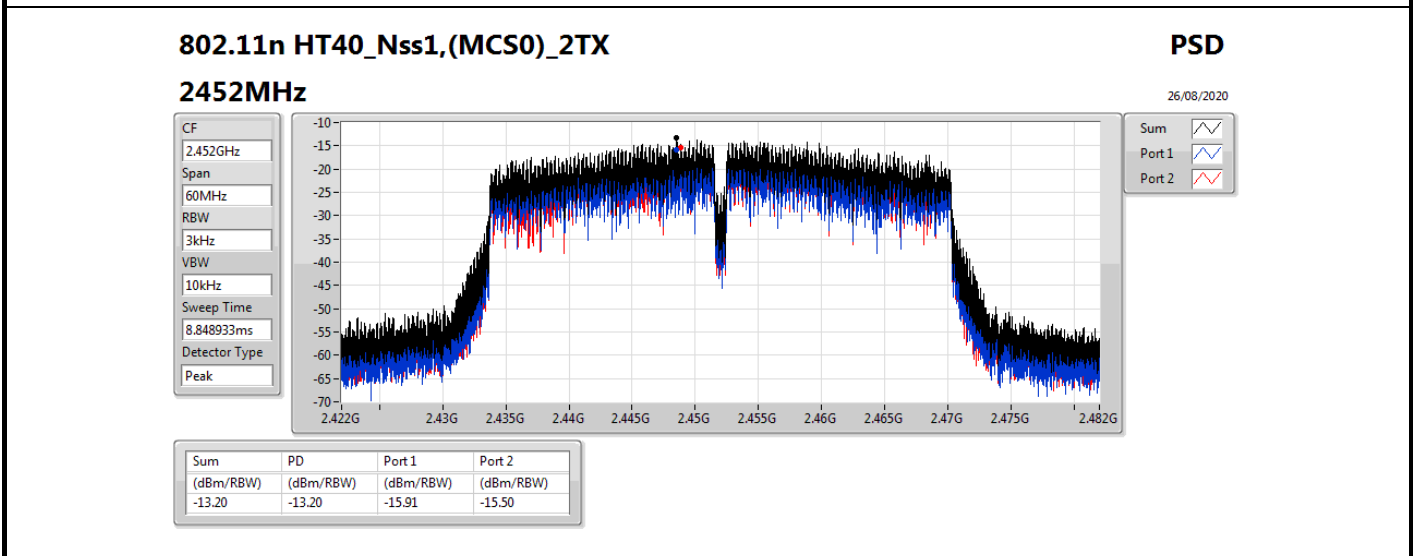
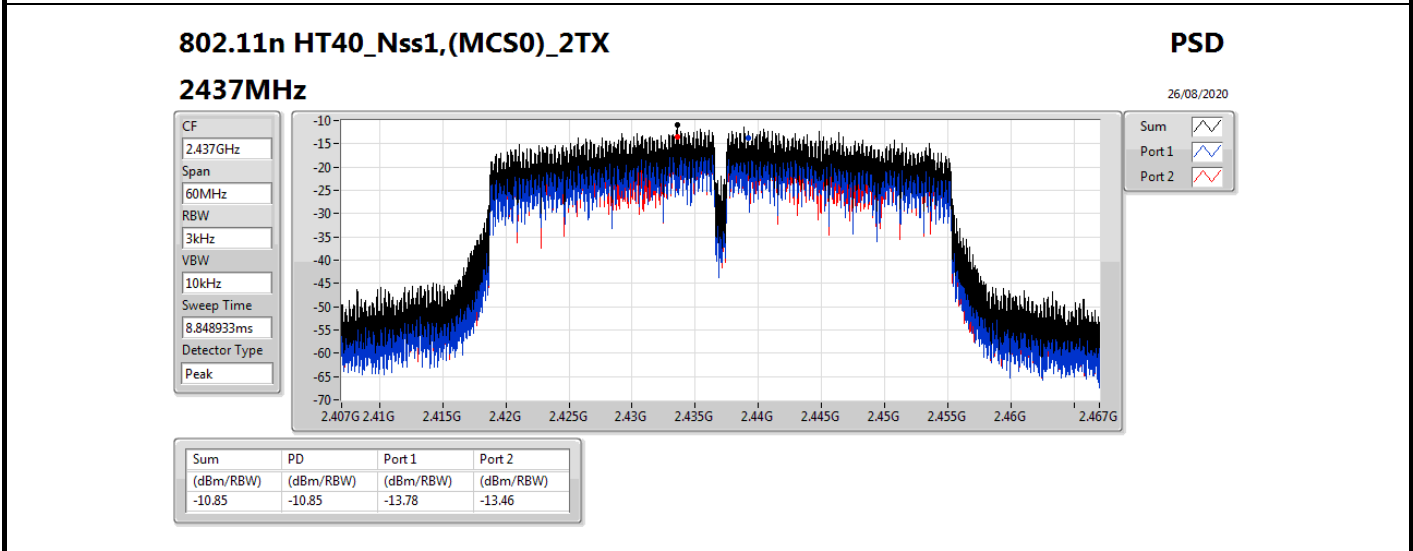
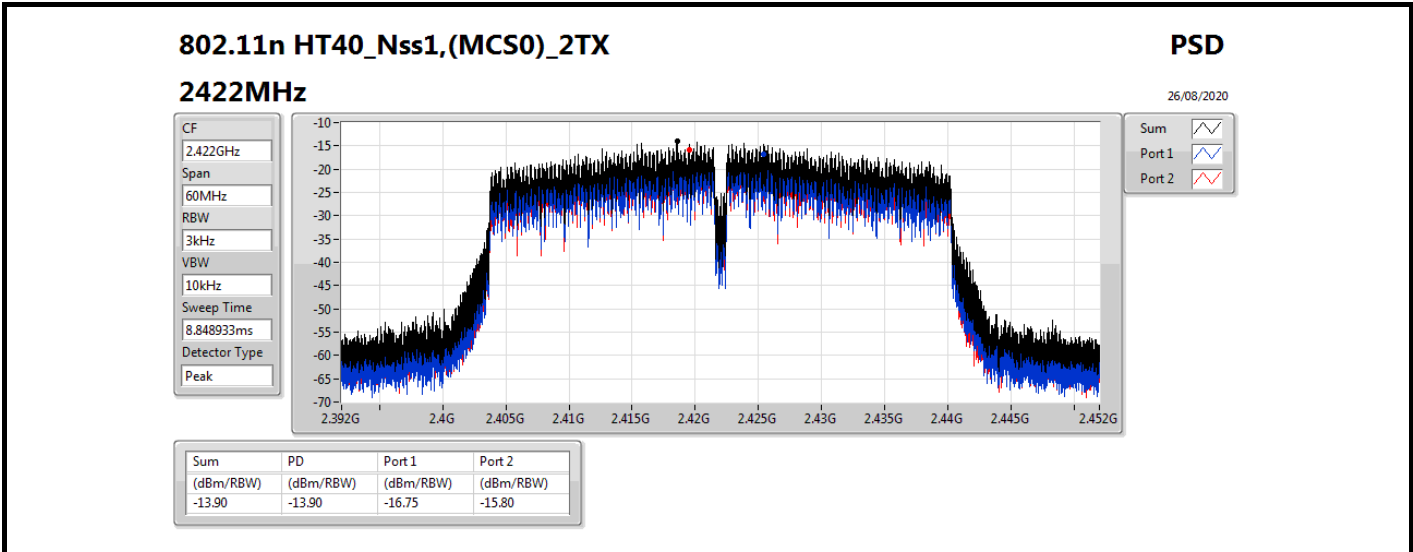
DG = Directional Gain; RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

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











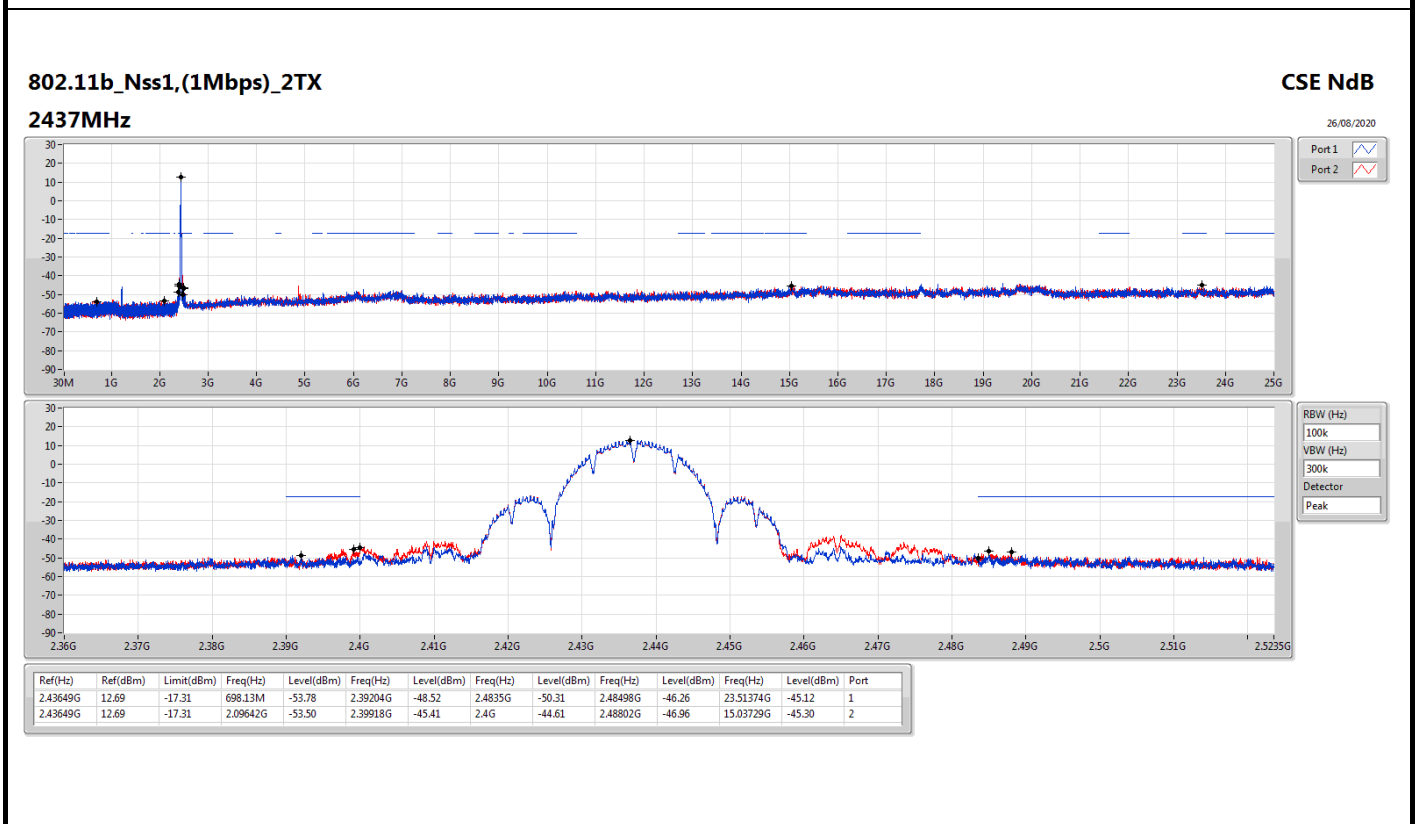
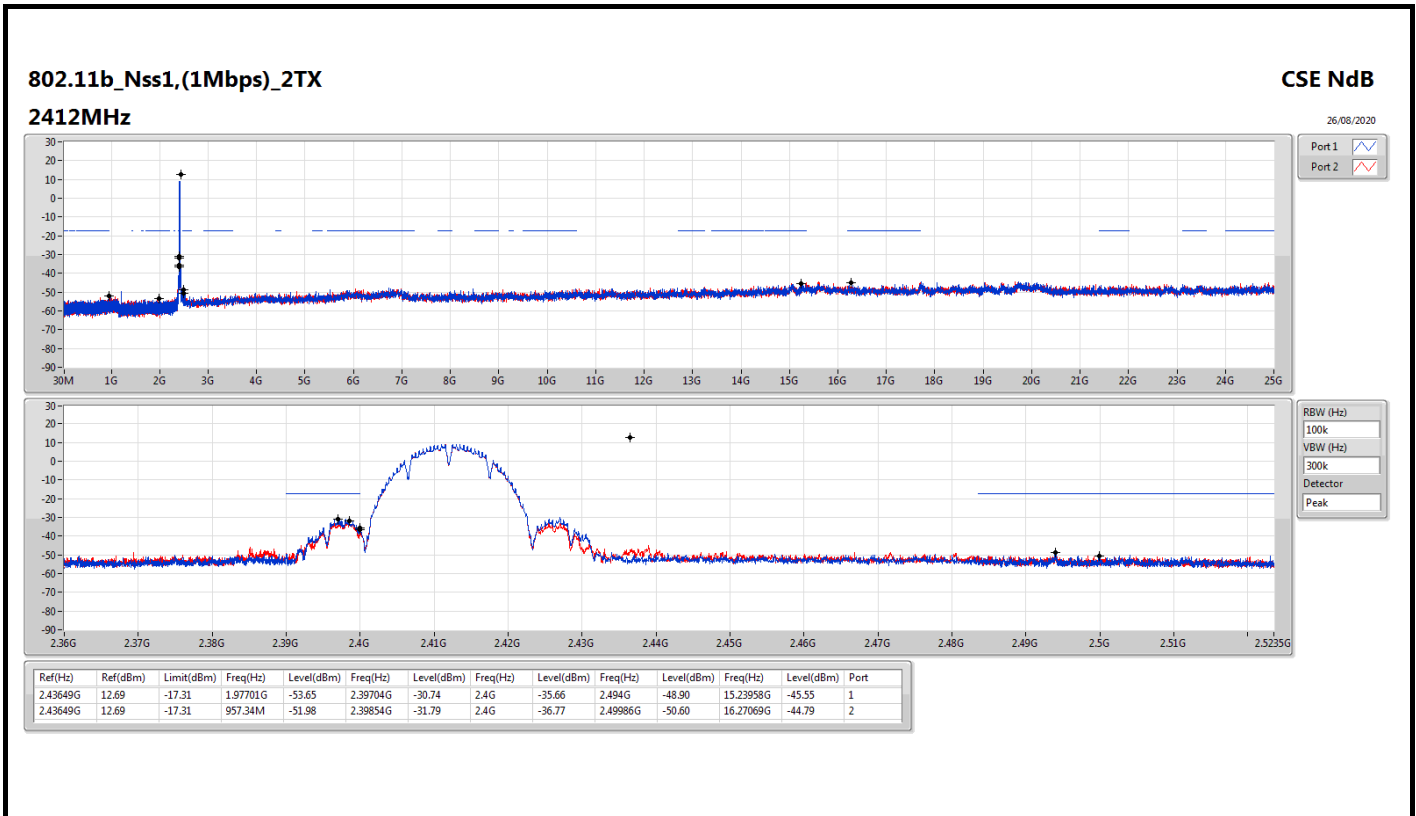
Summary

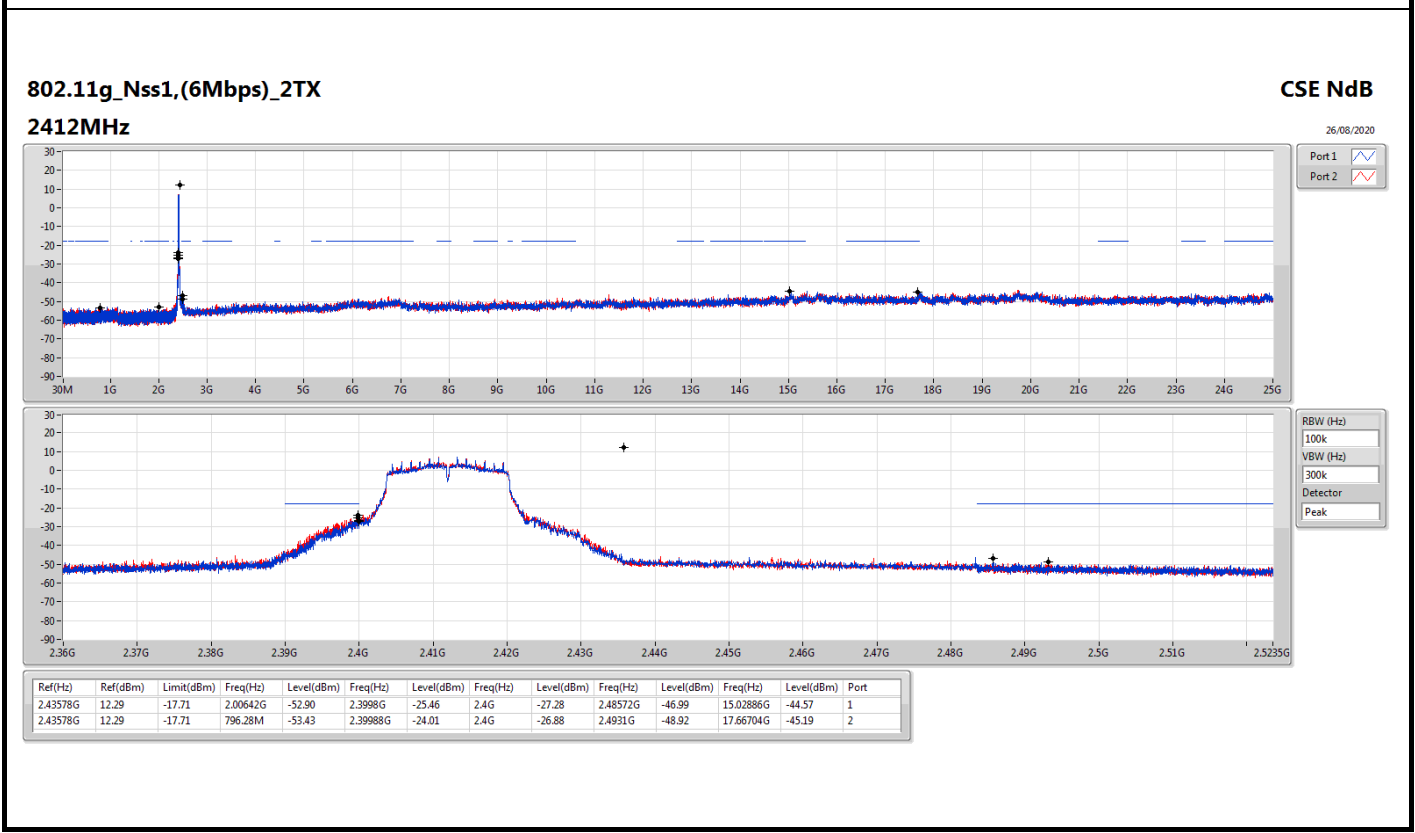
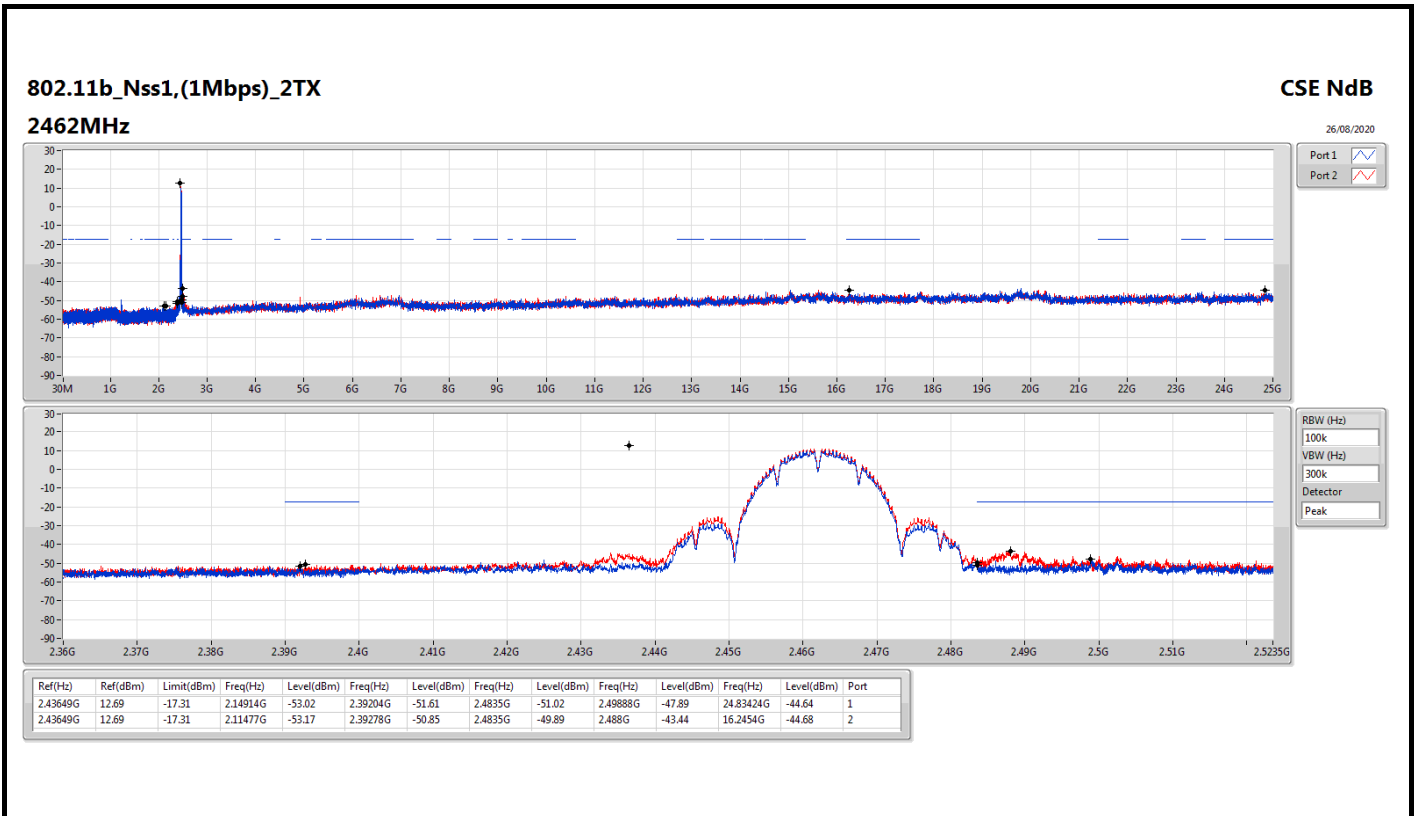
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43649G	12.69	-17.31	1.97701G	-53.65	2.39704G	-30.74	2.4G	-35.66	2.494G	-48.90	15.23958G	-45.55	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43578G	12.29	-17.71	796.28M	-53.43	2.39988G	-24.01	2.4G	-26.88	2.4931G	-48.92	17.66704G	-45.19	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.4357G	12.50	-17.50	32.33M	-52.95	2.39828G	-26.04	2.4G	-29.80	2.49076G	-47.14	15.01201G	-45.11	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.43449G	3.49	-26.51	727.59M	-53.09	2.39952G	-35.94	2.4G	-39.72	2.4857G	-46.68	24.88501G	-45.35	2

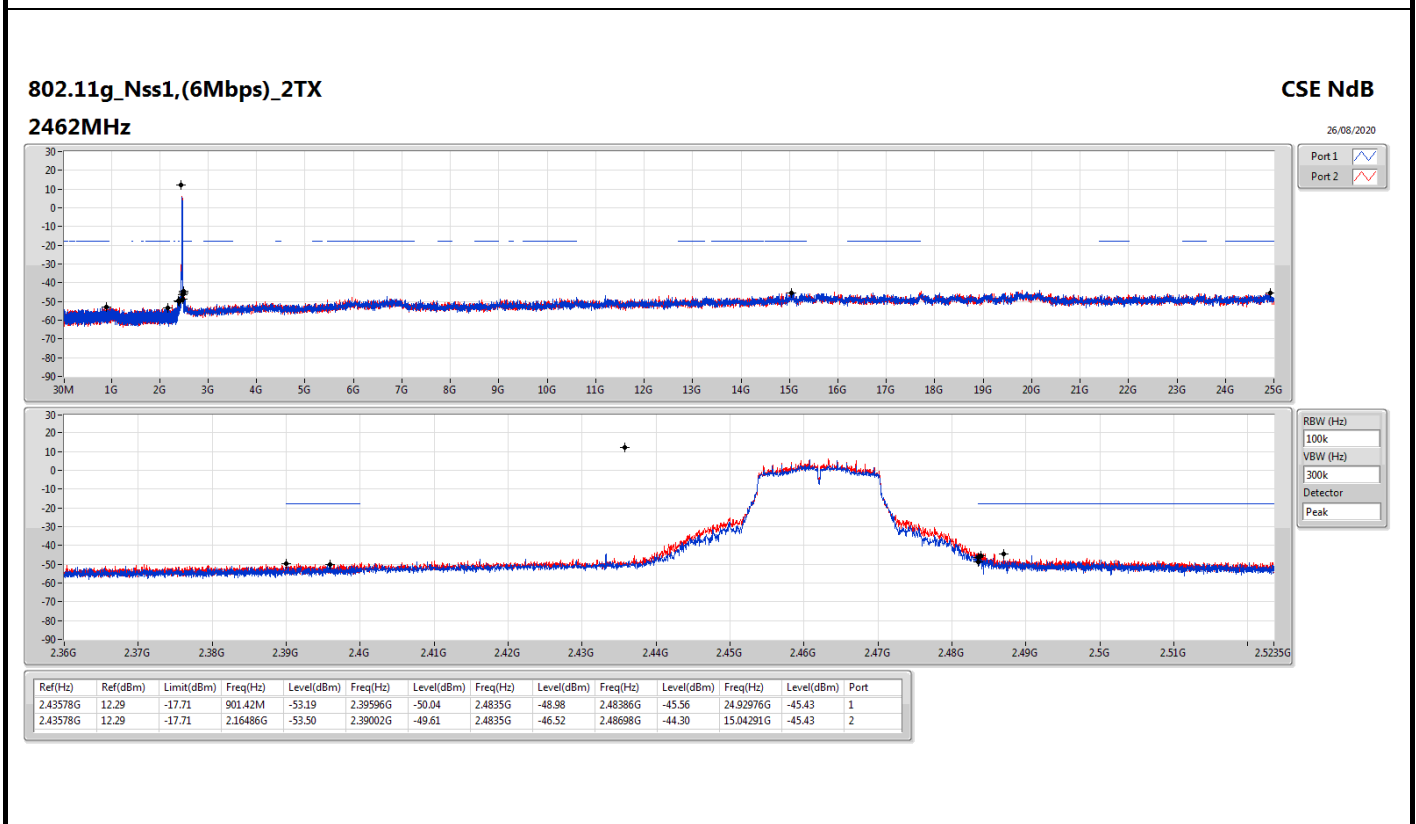
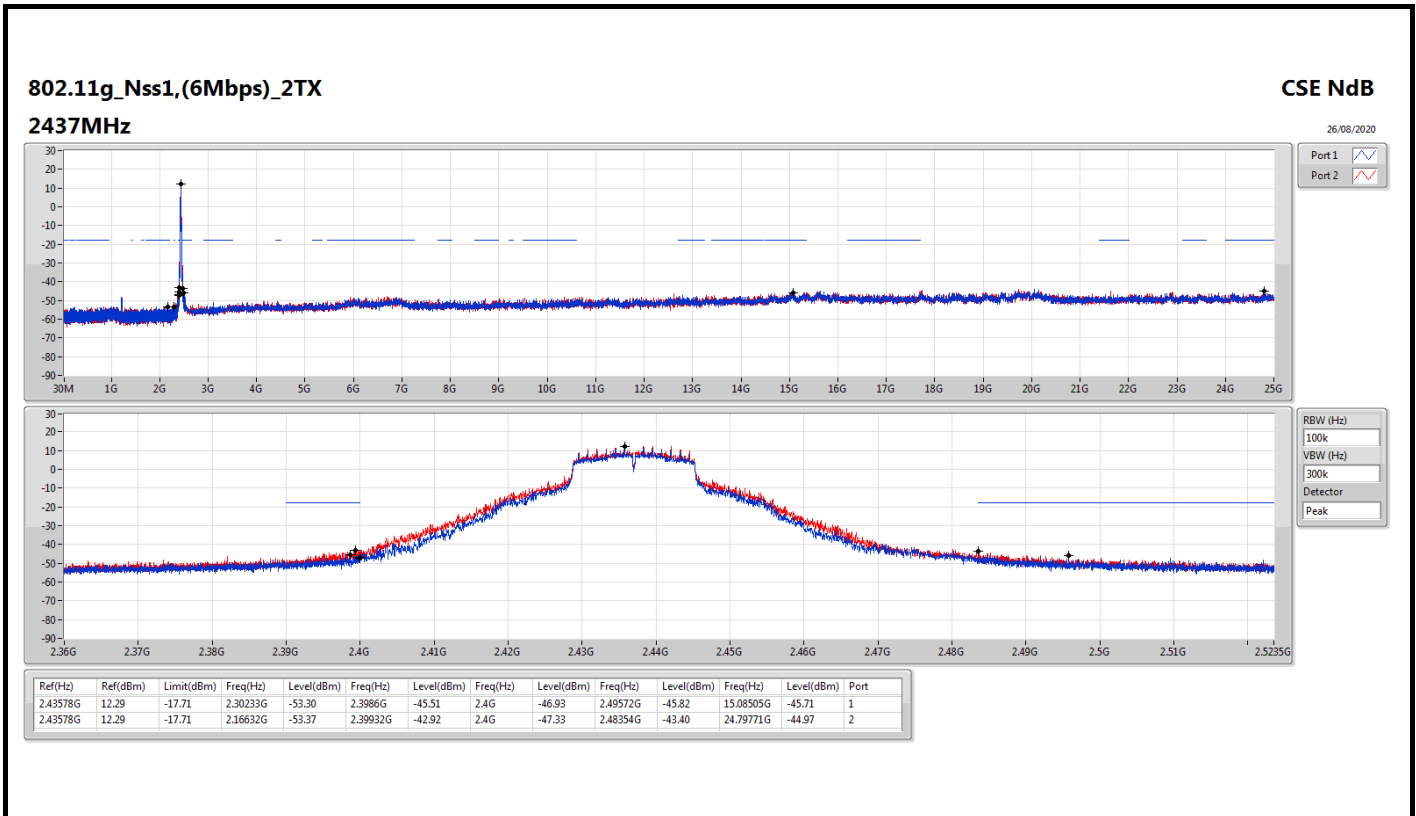


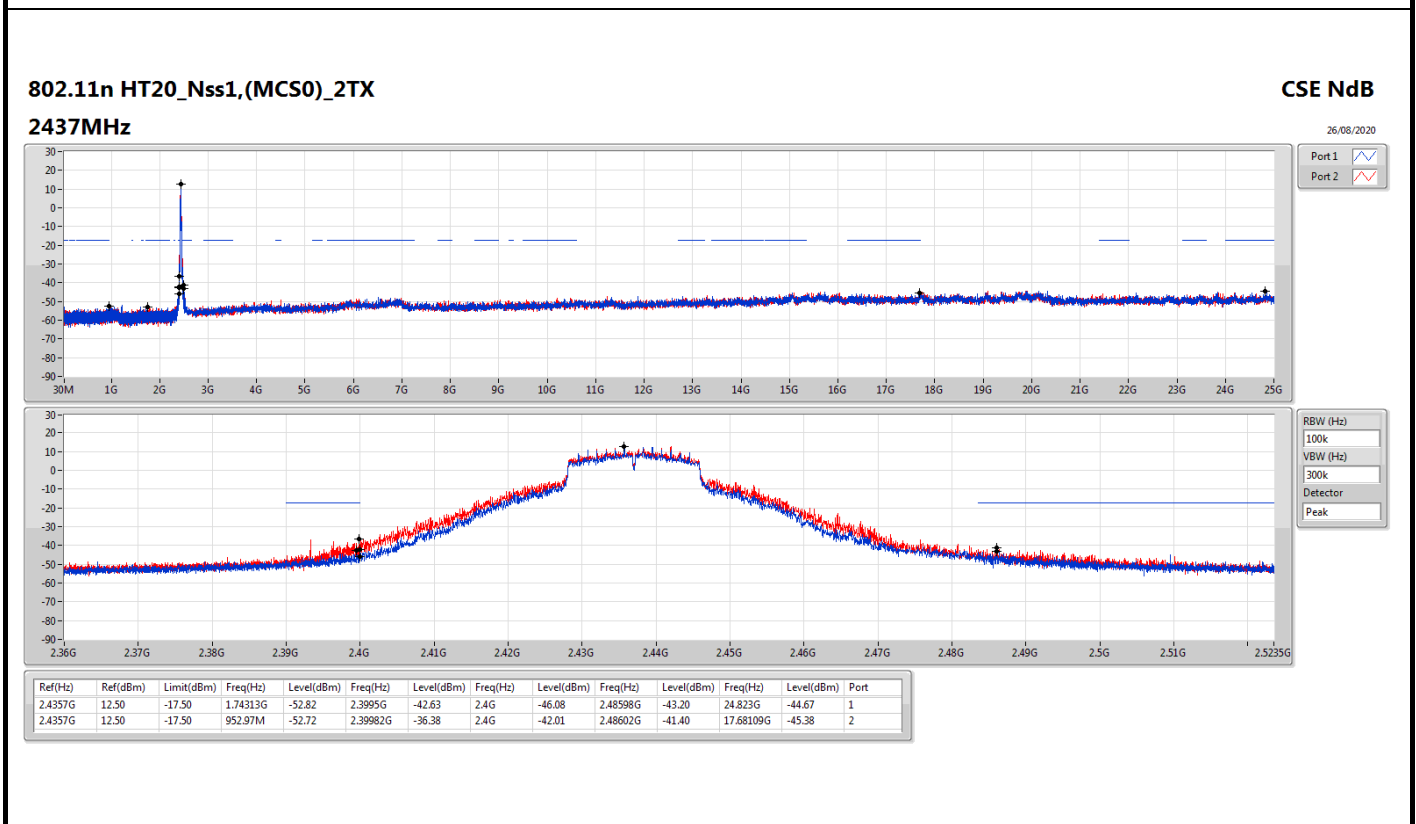
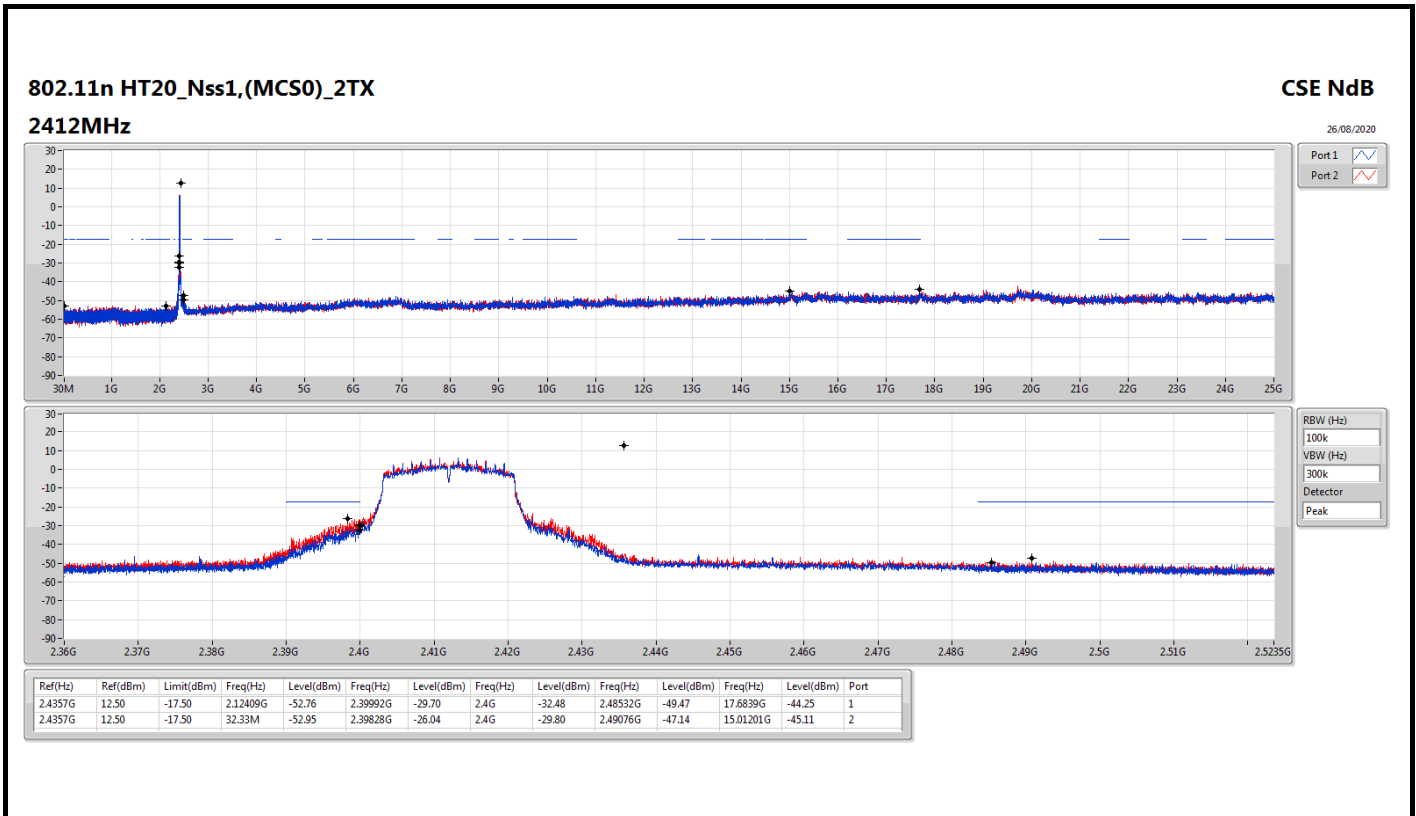
Result

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	2.43649G	12.69	-17.31	1.97701G	-53.65	2.39704G	-30.74	2.4G	-35.66	2.494G	-48.90	15.23958G	-45.55	1
2412MHz	Pass	2.43649G	12.69	-17.31	957.34M	-51.98	2.39854G	-31.79	2.4G	-36.77	2.49986G	-50.60	16.27069G	-44.79	2
2437MHz	Pass	2.43649G	12.69	-17.31	698.13M	-53.78	2.39204G	-48.52	2.4835G	-50.31	2.48498G	-46.26	23.51374G	-45.12	1
2437MHz	Pass	2.43649G	12.69	-17.31	2.09642G	-53.50	2.39918G	-45.41	2.4G	-44.61	2.48802G	-46.96	15.03729G	-45.30	2
2462MHz	Pass	2.43649G	12.69	-17.31	2.14914G	-53.02	2.39204G	-51.61	2.4835G	-51.02	2.49888G	-47.89	24.83424G	-44.64	1
2462MHz	Pass	2.43649G	12.69	-17.31	2.11477G	-53.17	2.39278G	-50.85	2.4835G	-49.89	2.488G	-43.44	16.2454G	-44.68	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43578G	12.29	-17.71	2.00642G	-52.90	2.3998G	-25.46	2.4G	-27.28	2.48572G	-46.99	15.02886G	-44.57	1
2412MHz	Pass	2.43578G	12.29	-17.71	796.28M	-53.43	2.39988G	-24.01	2.4G	-26.88	2.4931G	-48.92	17.66704G	-45.19	2
2437MHz	Pass	2.43578G	12.29	-17.71	2.30233G	-53.30	2.3986G	-45.51	2.4G	-46.93	2.49572G	-45.82	15.08505G	-45.71	1
2437MHz	Pass	2.43578G	12.29	-17.71	2.16632G	-53.37	2.39932G	-42.92	2.4G	-47.33	2.48354G	-43.40	24.79771G	-44.97	2
2462MHz	Pass	2.43578G	12.29	-17.71	901.42M	-53.19	2.39596G	-50.04	2.4835G	-48.98	2.48386G	-45.56	24.92976G	-45.43	1
2462MHz	Pass	2.43578G	12.29	-17.71	2.16486G	-53.50	2.39002G	-49.61	2.4835G	-46.52	2.48698G	-44.30	15.04291G	-45.43	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	12.50	-17.50	2.12409G	-52.76	2.39992G	-29.70	2.4G	-32.48	2.48532G	-49.47	17.6839G	-44.25	1
2412MHz	Pass	2.4357G	12.50	-17.50	32.33M	-52.95	2.39828G	-26.04	2.4G	-29.80	2.49076G	-47.14	15.01201G	-45.11	2
2437MHz	Pass	2.4357G	12.50	-17.50	1.74313G	-52.82	2.3995G	-42.63	2.4G	-46.08	2.48598G	-43.20	24.823G	-44.67	1
2437MHz	Pass	2.4357G	12.50	-17.50	952.97M	-52.72	2.39982G	-36.38	2.4G	-42.01	2.48602G	-41.40	17.68109G	-45.38	2
2462MHz	Pass	2.4357G	12.50	-17.50	950.06M	-52.65	2.3999G	-50.03	2.4835G	-48.71	2.49576G	-44.58	15.02886G	-45.02	1
2462MHz	Pass	2.4357G	12.50	-17.50	896.18M	-53.56	2.39084G	-48.54	2.4835G	-45.51	2.48446G	-44.07	24.80333G	-44.91	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	3.49	-26.51	918.81M	-53.12	2.39796G	-39.90	2.4G	-44.32	2.51358G	-49.43	15.03819G	-44.71	1
2422MHz	Pass	2.43449G	3.49	-26.51	2.02173G	-53.57	2.3992G	-39.61	2.4G	-42.00	2.4845G	-46.86	24.87099G	-45.20	2
2437MHz	Pass	2.43449G	3.49	-26.51	372.07M	-53.59	2.39948G	-38.73	2.4G	-44.66	2.48542G	-48.80	24.86538G	-44.88	1
2437MHz	Pass	2.43449G	3.49	-26.51	727.59M	-53.09	2.39952G	-35.94	2.4G	-39.72	2.4857G	-46.68	24.88501G	-45.35	2
2452MHz	Pass	2.43449G	3.49	-26.51	479.99M	-53.05	2.39628G	-50.58	2.4835G	-49.11	2.4845G	-45.61	17.69131G	-44.52	1
2452MHz	Pass	2.43449G	3.49	-26.51	944.28M	-53.06	2.392G	-48.82	2.4835G	-49.01	2.48762G	-44.90	15.02698G	-43.97	2





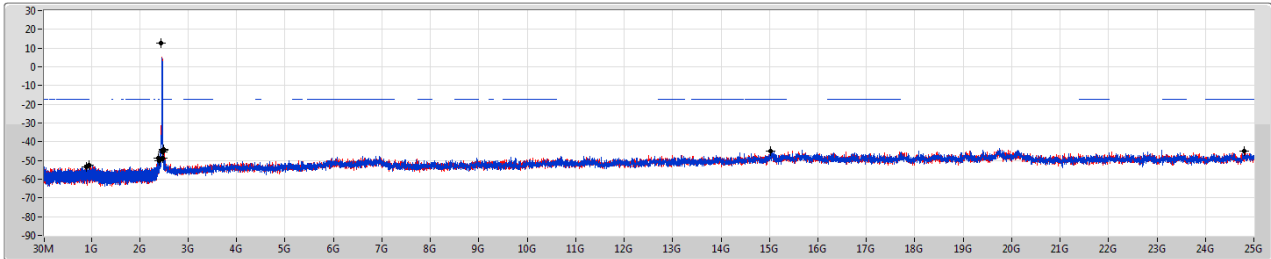




802.11n HT20_Nss1,(MCS0)_2TX
2462MHz

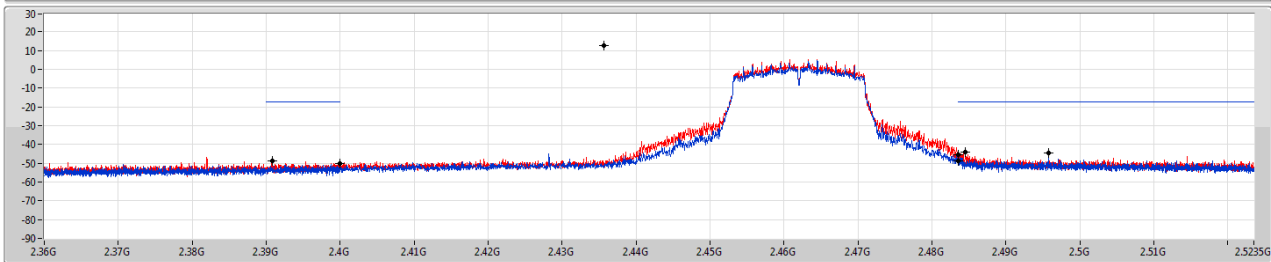
CSE NdB

26/08/2020



Port 1

Port 2



RBW (Hz)

VBW (Hz)

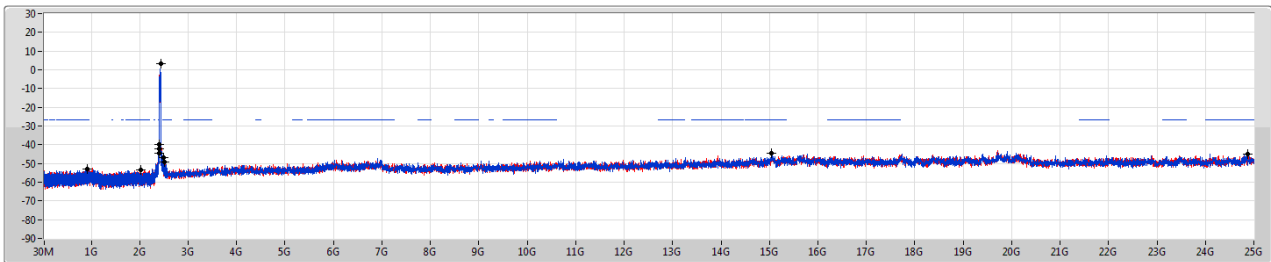
Detector

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	12.50	-17.50	950.06M	-52.65	2.3999G	-50.03	2.4835G	-48.71	2.49576G	-44.58	15.02886G	-45.02	1
2.4357G	12.50	-17.50	896.18M	-53.56	2.39084G	-48.54	2.4835G	-45.51	2.48446G	-44.07	24.80333G	-44.91	2

802.11n HT40_Nss1,(MCS0)_2TX
2422MHz

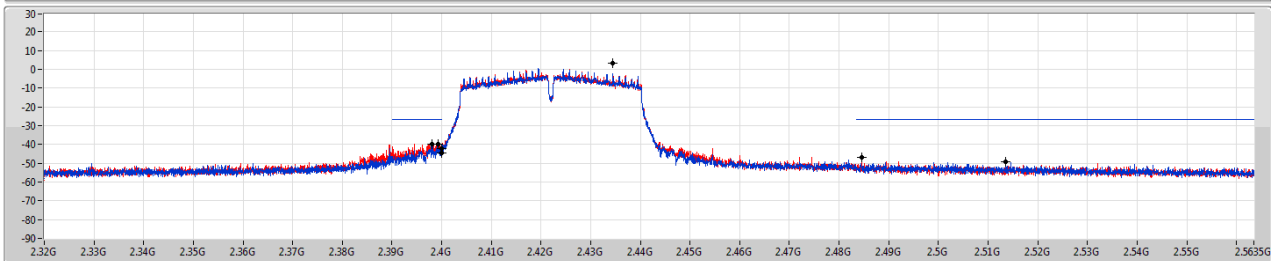
CSE NdB

26/08/2020



Port 1

Port 2



RBW (Hz)

VBW (Hz)

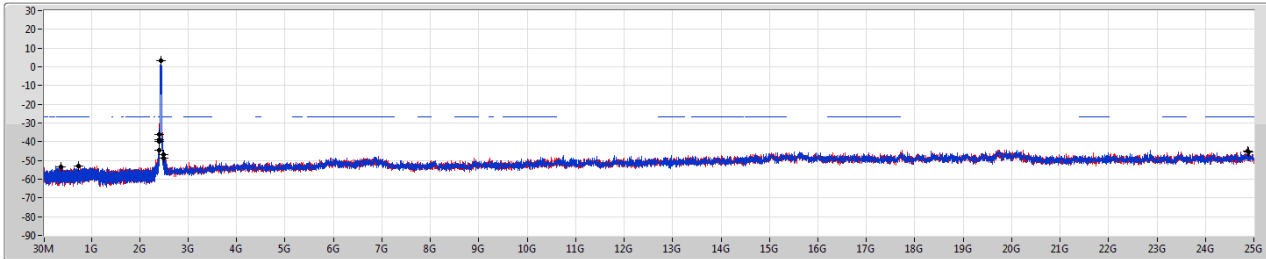
Detector

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
2.43449G	3.49	-26.51	918.81M	-53.12	2.39796G	-39.90	2.4G	-44.32	2.51358G	-49.43	15.03819G	-44.71	1
2.43449G	3.49	-26.51	2.02173G	-53.57	2.3992G	-39.61	2.4G	-42.00	2.4845G	-46.86	24.87099G	-45.20	2

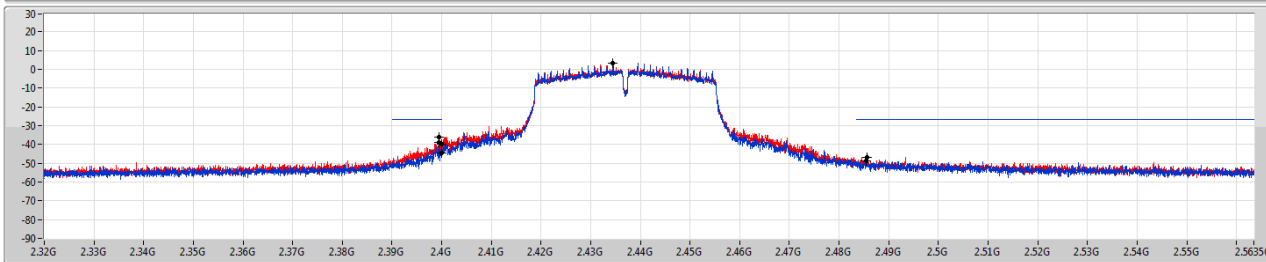
802.11n HT40_Nss1,(MCS0)_2TX
2437MHz

CSE NdB

26/08/2020



Port 1 
Port 2 



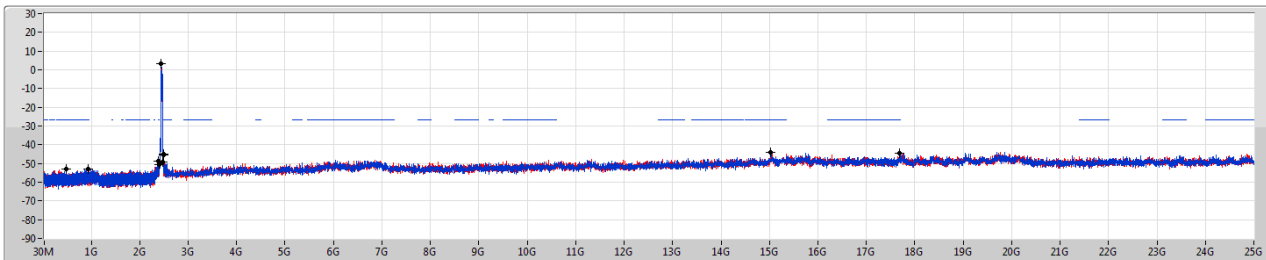
RBW (Hz)
VBW (Hz)
Detector

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
2.43449G	3.49	-26.51	372.07M	-53.59	2.39948G	-38.73	2.4G	-44.66	2.48542G	-48.80	24.86538G	-44.88	1
2.43449G	3.49	-26.51	727.59M	-53.09	2.39952G	-35.94	2.4G	-39.72	2.4857G	-46.68	24.88501G	-45.35	2

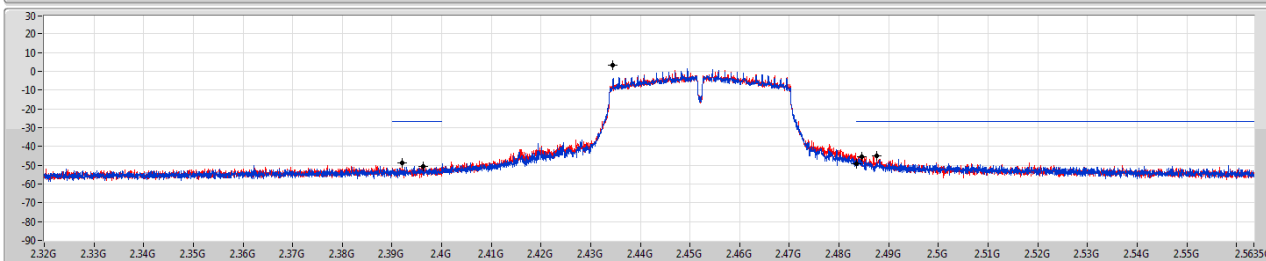
802.11n HT40_Nss1,(MCS0)_2TX
2452MHz

CSE NdB

26/08/2020



Port 1 
Port 2 



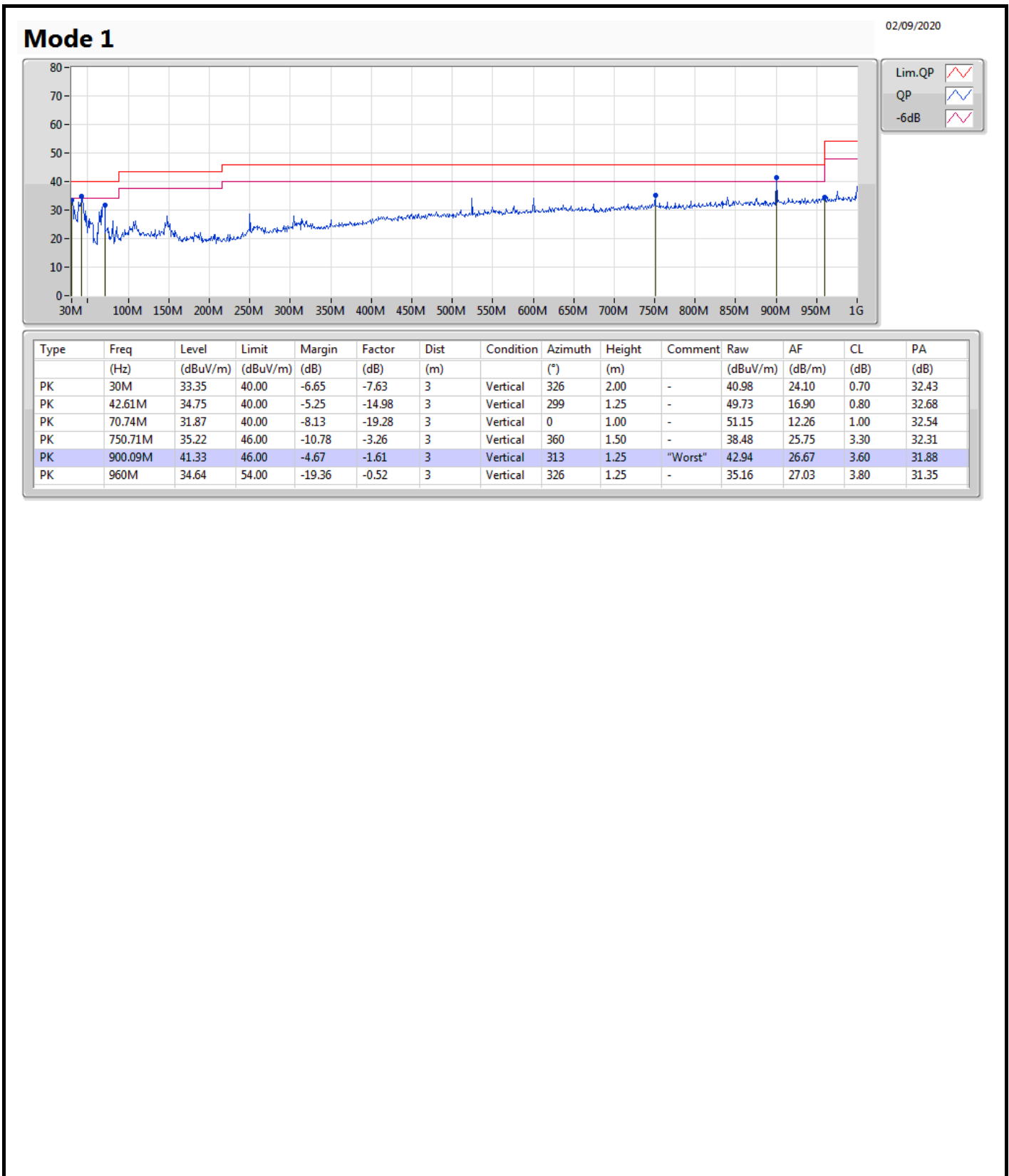
RBW (Hz)
VBW (Hz)
Detector

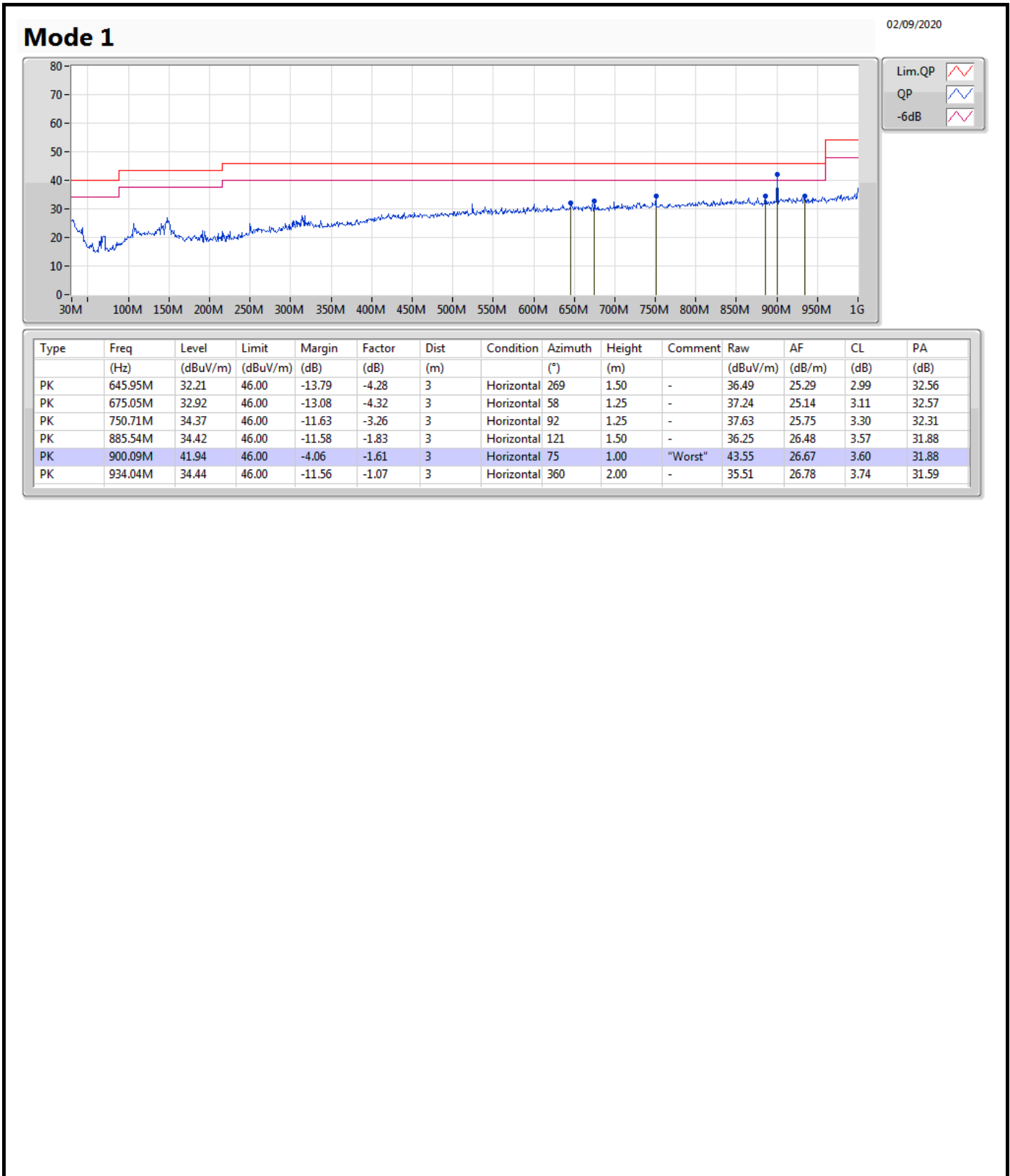
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	3.49	-26.51	479.99M	-53.05	2.39628G	-50.58	2.4835G	-49.11	2.4845G	-45.61	17.69131G	-44.52	1
2.43449G	3.49	-26.51	944.28M	-53.06	2.392G	-48.82	2.4835G	-49.01	2.48762G	-44.90	15.02698G	-43.97	2



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	900.09M	41.94	46.00	-4.06	Horizontal







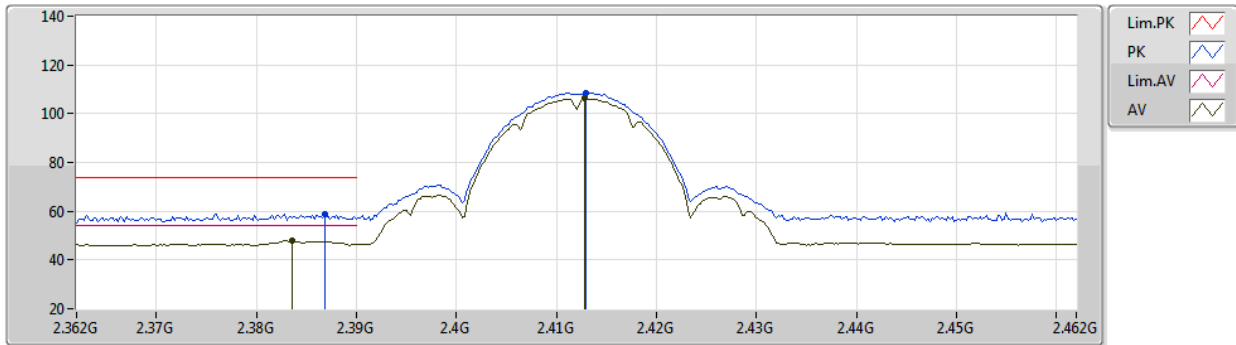
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4838G	53.68	54.00	-0.32	3	Vertical	0	1.04	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.95	54.00	-0.05	3	Horizontal	360	1.00	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	AV	2.3896G	53.95	54.00	-0.05	3	Horizontal	0	1.00	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.91	54.00	-0.09	3	Vertical	38	1.18	-

802.11b_Nss1,(1Mbps)_2TX

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2412MHz_TX



EUT Y_2TX
Setting 1E
04-P-O-1

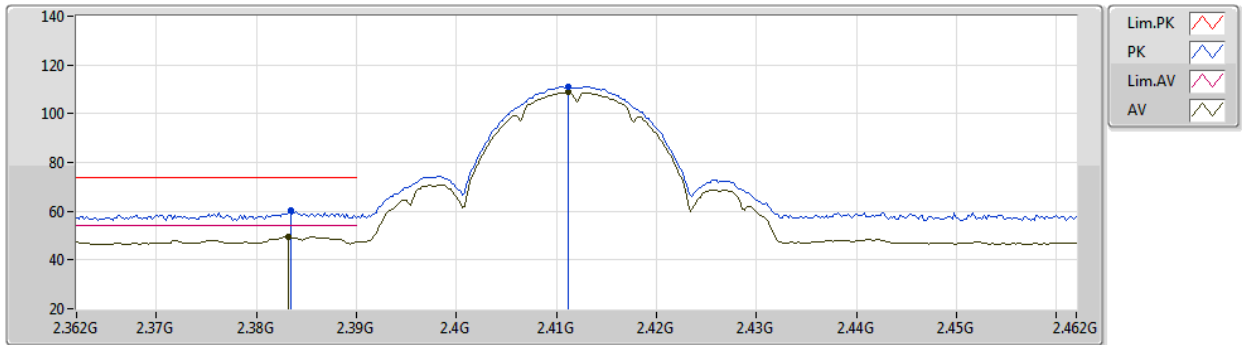
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	58.93	74.00	-15.07	28.13	3	Vertical	299	1.09	-	27.51	3.29	-
AV	2.3836G	47.79	54.00	-6.21	16.99	3	Vertical	299	1.09	-	27.52	3.28	-
PK	2.413G	108.64	Inf	-Inf	77.78	3	Vertical	299	1.09	-	27.55	3.31	-
AV	2.4128G	106.19	Inf	-Inf	75.33	3	Vertical	299	1.09	-	27.55	3.31	-



802.11b_Nss1,(1Mbps)_2TX

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2412MHz_TX



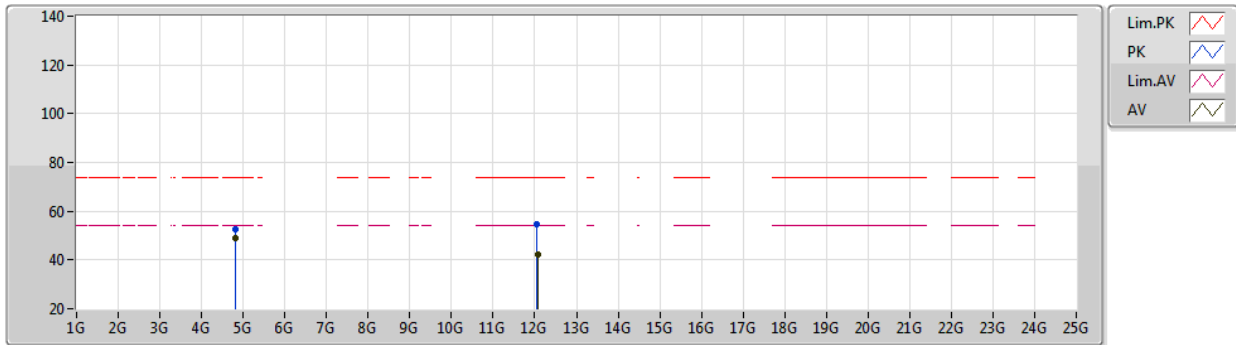
EUT Y_2TX
Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3834G	60.48	74.00	-13.52	29.68	3	Horizontal	340	2.46	-	27.52	3.28	-
AV	2.3832G	49.41	54.00	-4.59	18.61	3	Horizontal	340	2.46	-	27.52	3.28	-
PK	2.4112G	111.25	Inf	-Inf	80.40	3	Horizontal	340	2.46	-	27.54	3.31	-
AV	2.4112G	108.80	Inf	-Inf	77.95	3	Horizontal	340	2.46	-	27.54	3.31	-

802.11b_Nss1,(1Mbps)_2TX

25/08/2020

2412MHz_TX



EUT Y_2TX
Setting 1E
04-P-O-1

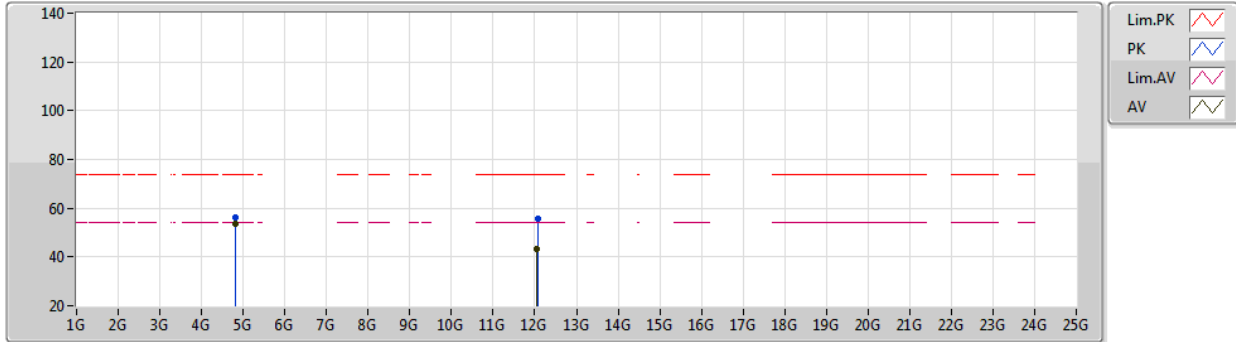
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82398G	52.39	74.00	-21.61	47.85	3	Vertical	314	1.95	-	32.60	4.82	32.88
AV	4.82406G	48.78	54.00	-5.22	44.24	3	Vertical	314	1.95	-	32.60	4.82	32.88
PK	12.05892G	54.86	74.00	-19.14	42.28	3	Vertical	360	1.88	-	38.95	7.99	34.36
AV	12.06756G	42.47	54.00	-11.53	29.89	3	Vertical	360	1.88	-	38.95	7.99	34.36



802.11b_Nss1,(1Mbps)_2TX

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2412MHz_TX



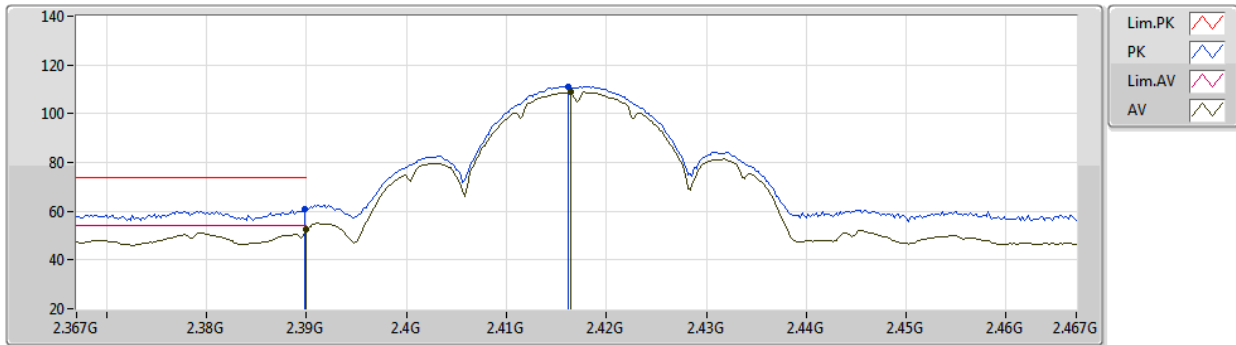
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Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82408G	56.01	74.00	-17.99	51.47	3	Horizontal	284	2.04	-	32.60	4.82	32.88
AV	4.82408G	53.64	54.00	-0.36	49.10	3	Horizontal	284	2.04	-	32.60	4.82	32.88
PK	12.06236G	55.55	74.00	-18.45	42.97	3	Horizontal	350	1.80	-	38.95	7.99	34.36
AV	12.0594G	43.33	54.00	-10.67	30.75	3	Horizontal	350	1.80	-	38.95	7.99	34.36

802.11b_Nss1,(1Mbps)_2TX

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2417MHz_TX



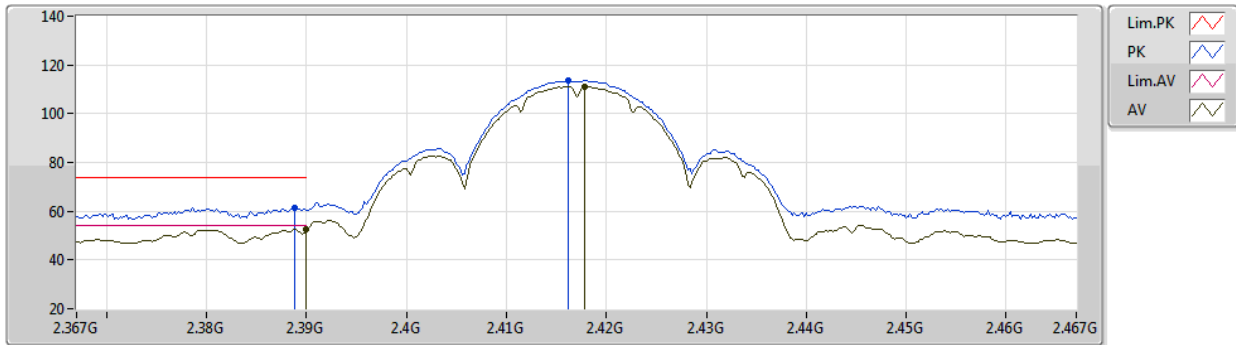
EUT Y_2TX
Setting 24
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	61.11	74.00	-12.89	30.31	3	Vertical	312	1.05	-	27.51	3.29	-
AV	2.39G	52.54	54.00	-1.46	21.74	3	Vertical	312	1.05	-	27.51	3.29	-
PK	2.4162G	111.29	Inf	-Inf	80.42	3	Vertical	312	1.05	-	27.56	3.31	-
AV	2.4164G	108.84	Inf	-Inf	77.96	3	Vertical	312	1.05	-	27.57	3.31	-

802.11b_Nss1,(1Mbps)_2TX

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2417MHz_TX



EUT Y_2TX
Setting 24
04-P-O-1

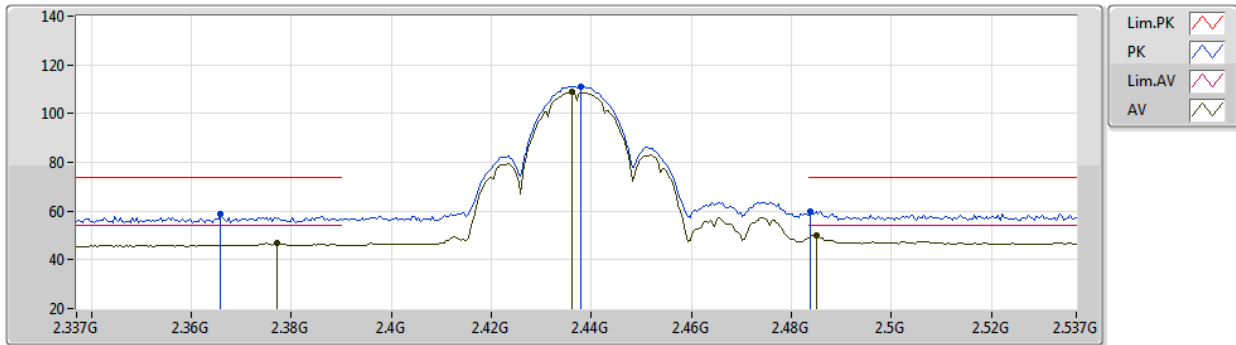
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	61.34	74.00	-12.66	30.54	3	Horizontal	340	2.41	-	27.51	3.29	-
AV	2.39G	52.72	54.00	-1.28	21.92	3	Horizontal	340	2.41	-	27.51	3.29	-
PK	2.4162G	113.62	Inf	-Inf	82.75	3	Horizontal	340	2.41	-	27.56	3.31	-
AV	2.4178G	111.10	Inf	-Inf	80.22	3	Horizontal	340	2.41	-	27.57	3.31	-



802.11b_Nss1,(1Mbps)_2TX

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2437MHz_TX



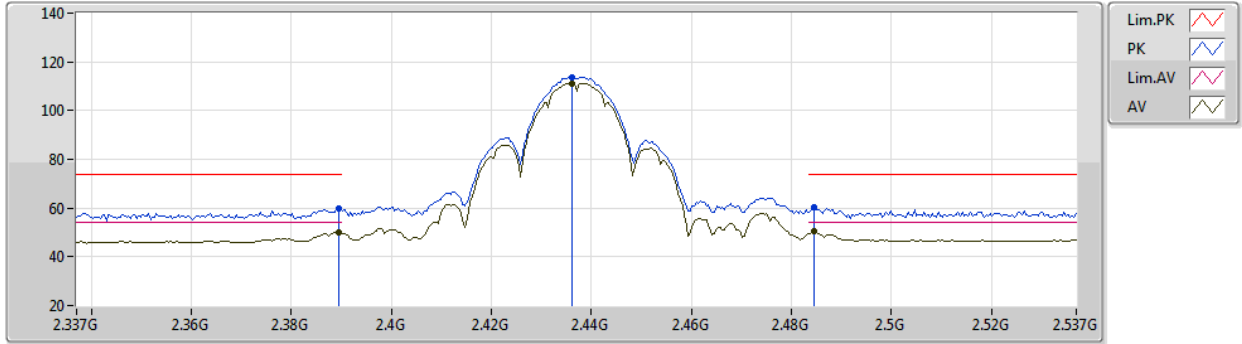
EUT Y_2TX
Setting 26
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3658G	58.71	74.00	-15.29	27.91	3	Vertical	355	1.00	-	27.53	3.27	-
AV	2.377G	46.82	54.00	-7.18	16.02	3	Vertical	355	1.00	-	27.52	3.28	-
PK	2.4378G	111.26	Inf	-Inf	80.29	3	Vertical	355	1.00	-	27.65	3.32	-
AV	2.4362G	108.82	Inf	-Inf	77.86	3	Vertical	355	1.00	-	27.64	3.32	-
PK	2.4838G	59.67	74.00	-14.33	28.49	3	Vertical	355	1.00	-	27.84	3.34	-
AV	2.485G	49.98	54.00	-4.02	18.80	3	Vertical	355	1.00	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

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2437MHz_TX



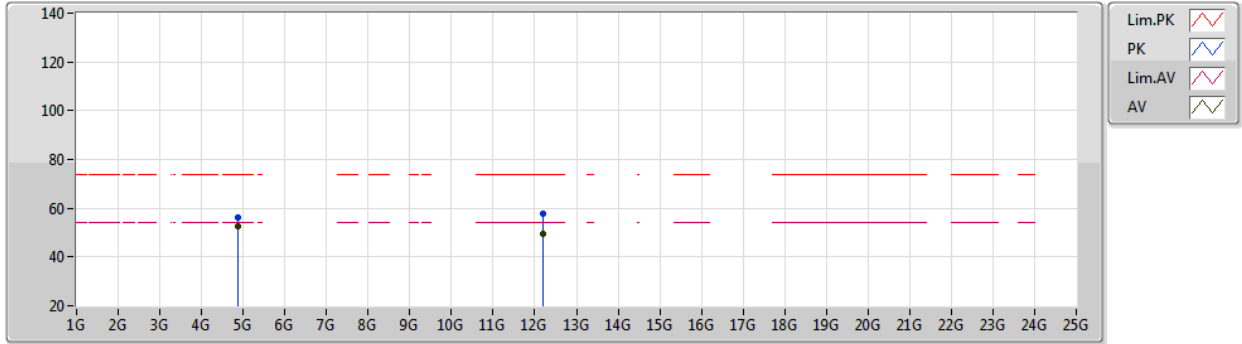
EUT Y_2TX
Setting 26
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	59.87	74.00	-14.13	29.07	3	Horizontal	328	2.36	-	27.51	3.29	-
AV	2.3894G	50.14	54.00	-3.86	19.34	3	Horizontal	328	2.36	-	27.51	3.29	-
PK	2.4362G	113.72	Inf	-Inf	82.76	3	Horizontal	328	2.36	-	27.64	3.32	-
AV	2.4362G	111.27	Inf	-Inf	80.31	3	Horizontal	328	2.36	-	27.64	3.32	-
PK	2.4846G	60.19	74.00	-13.81	29.01	3	Horizontal	328	2.36	-	27.84	3.34	-
AV	2.4846G	50.51	54.00	-3.49	19.33	3	Horizontal	328	2.36	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

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2437MHz_TX



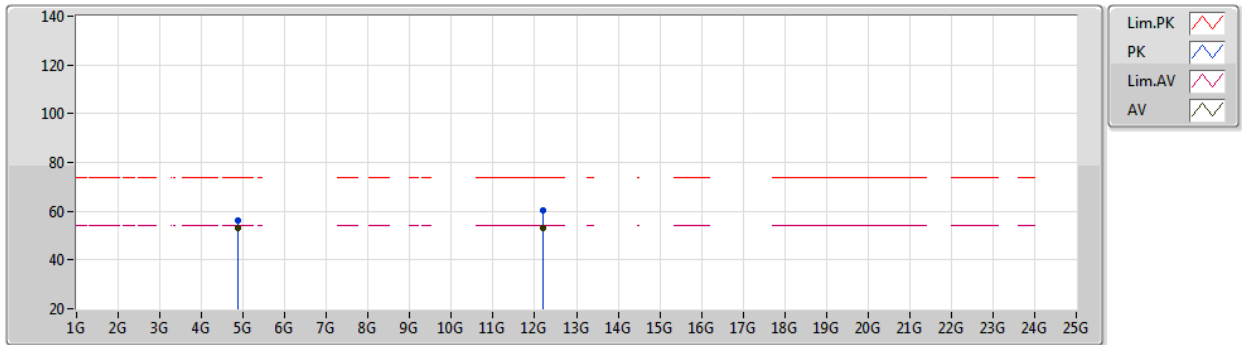
EUT Y_2TX
Setting 26
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87404G	56.05	74.00	-17.95	51.27	3	Vertical	327	1.75	-	32.80	4.85	32.87
AV	4.8741G	52.60	54.00	-1.40	47.82	3	Vertical	327	1.75	-	32.80	4.85	32.87
PK	12.1862G	57.98	74.00	-16.02	45.25	3	Vertical	349	1.78	-	39.05	8.00	34.32
AV	12.18608G	49.23	54.00	-4.77	36.50	3	Vertical	349	1.78	-	39.05	8.00	34.32

802.11b_Nss1,(1Mbps)_2TX

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2437MHz_TX



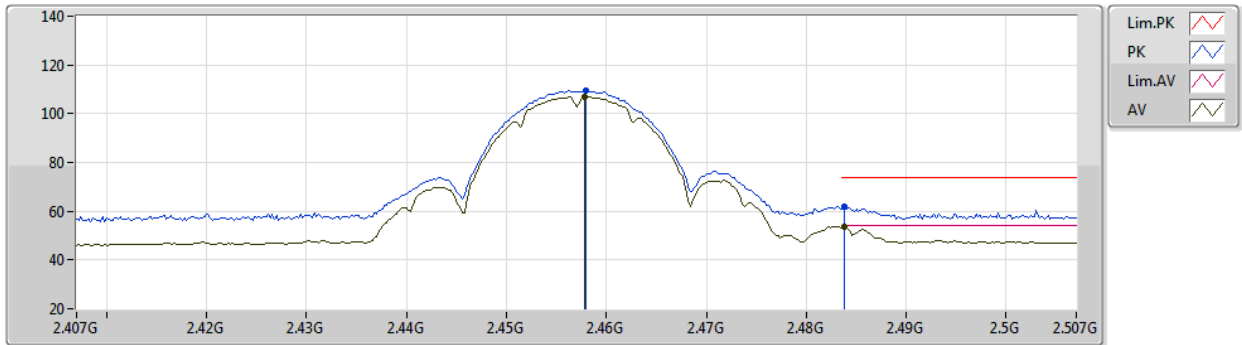
EUT Y_2TX
Setting 26
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8742G	56.18	74.00	-17.82	51.40	3	Horizontal	281	1.80	-	32.80	4.85	32.87
AV	4.874G	53.15	54.00	-0.85	48.37	3	Horizontal	281	1.80	-	32.80	4.85	32.87
PK	12.18484G	60.25	74.00	-13.75	47.52	3	Horizontal	41	1.81	-	39.05	8.00	34.32
AV	12.186G	53.36	54.00	-0.64	40.63	3	Horizontal	41	1.81	-	39.05	8.00	34.32

802.11b_Nss1,(1Mbps)_2TX

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2457MHz_TX



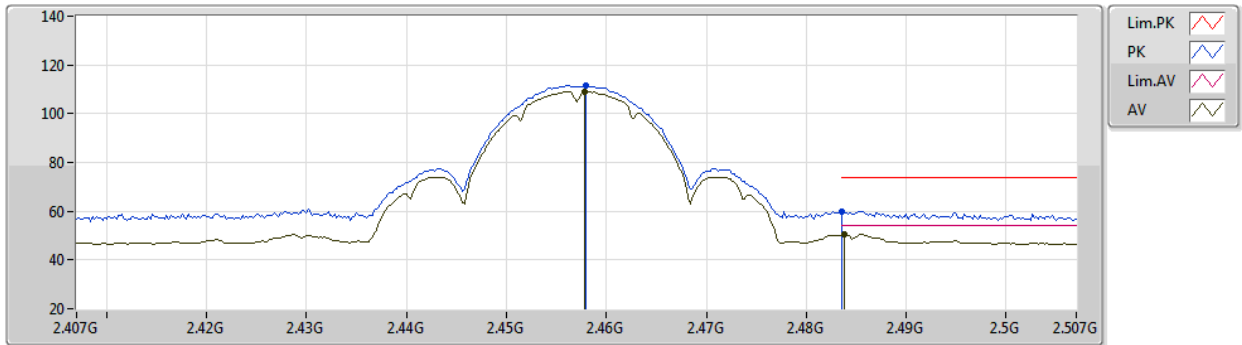
EUT Y_2TX
Setting 21
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.458G	109.41	Inf	-Inf	78.35	3	Vertical	0	1.04	-	27.73	3.33	-
AV	2.4578G	106.86	Inf	-Inf	75.80	3	Vertical	0	1.04	-	27.73	3.33	-
PK	2.4838G	61.70	74.00	-12.30	30.52	3	Vertical	0	1.04	-	27.84	3.34	-
AV	2.4838G	53.68	54.00	-0.32	22.50	3	Vertical	0	1.04	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

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2457MHz_TX



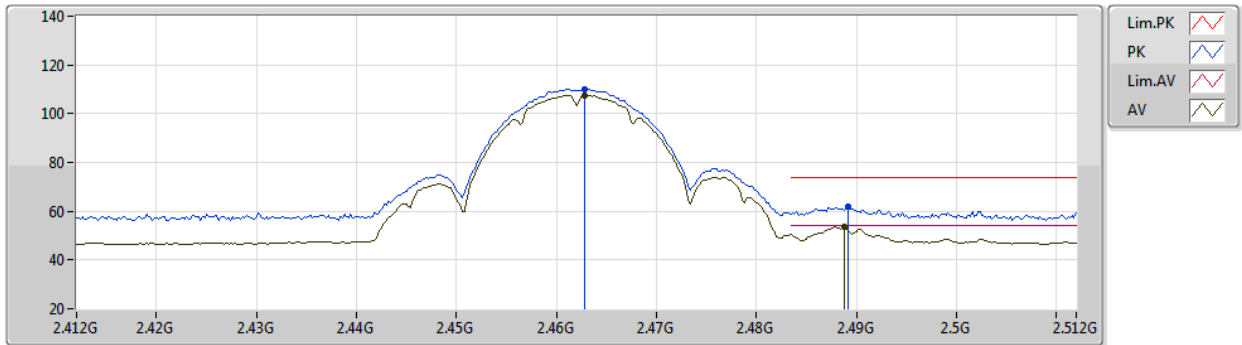
EUT Y_2TX
Setting 21
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.458G	111.55	Inf	-Inf	80.49	3	Horizontal	349	2.41	-	27.73	3.33	-
AV	2.4578G	109.07	Inf	-Inf	78.01	3	Horizontal	349	2.41	-	27.73	3.33	-
PK	2.4835G	60.07	74.00	-13.93	28.90	3	Horizontal	349	2.41	-	27.83	3.34	-
AV	2.4838G	50.52	54.00	-3.48	19.34	3	Horizontal	349	2.41	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

25/08/2020

2462MHz_TX



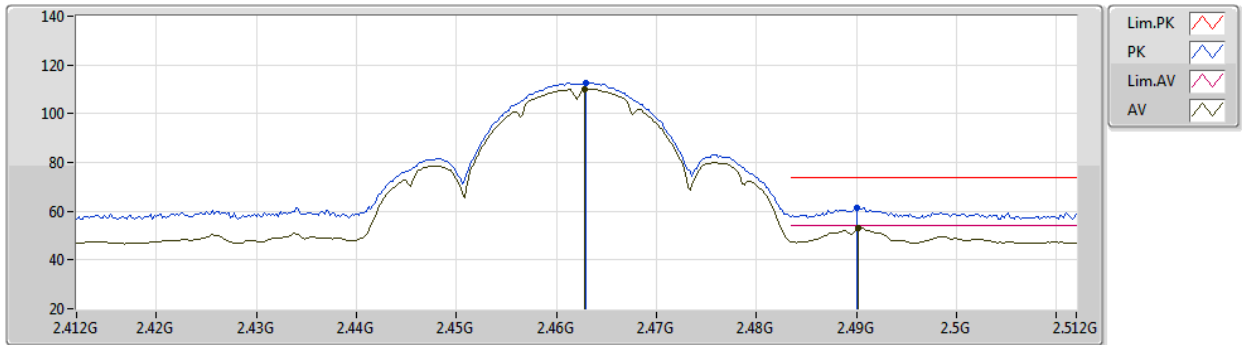
EUT Y_2TX
Setting 21
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4628G	110.07	Inf	-Inf	78.99	3	Vertical	0	1.08	-	27.75	3.33	-
AV	2.4628G	107.55	Inf	-Inf	76.47	3	Vertical	0	1.08	-	27.75	3.33	-
PK	2.4892G	61.95	74.00	-12.05	30.75	3	Vertical	0	1.08	-	27.86	3.34	-
AV	2.4888G	53.40	54.00	-0.60	22.20	3	Vertical	0	1.08	-	27.86	3.34	-

802.11b_Nss1,(1Mbps)_2TX

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2462MHz_TX



EUT Y_2TX
Setting 21
04-P-O-1

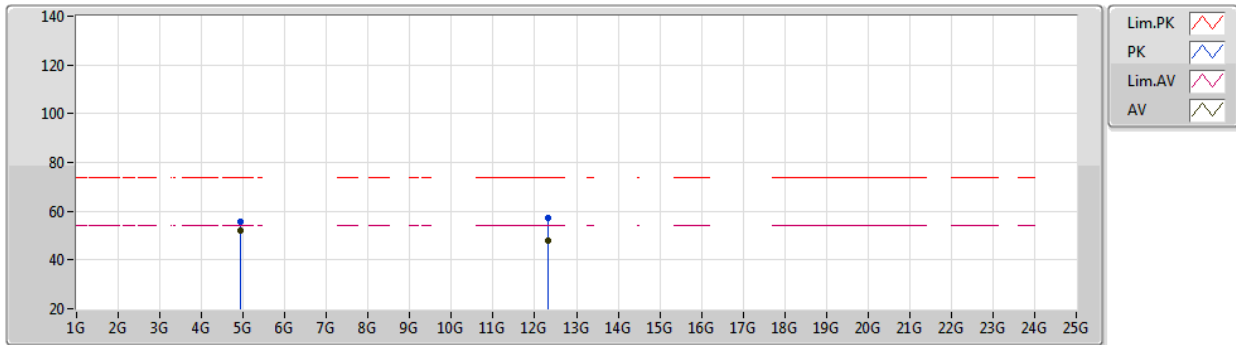
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	112.64	Inf	-Inf	81.56	3	Horizontal	349	2.35	-	27.75	3.33	-
AV	2.4628G	110.18	Inf	-Inf	79.10	3	Horizontal	349	2.35	-	27.75	3.33	-
PK	2.49G	61.39	74.00	-12.61	30.18	3	Horizontal	349	2.35	-	27.86	3.35	-
AV	2.4902G	53.09	54.00	-0.91	21.88	3	Horizontal	349	2.35	-	27.86	3.35	-



802.11b_Nss1,(1Mbps)_2TX

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2462MHz_TX



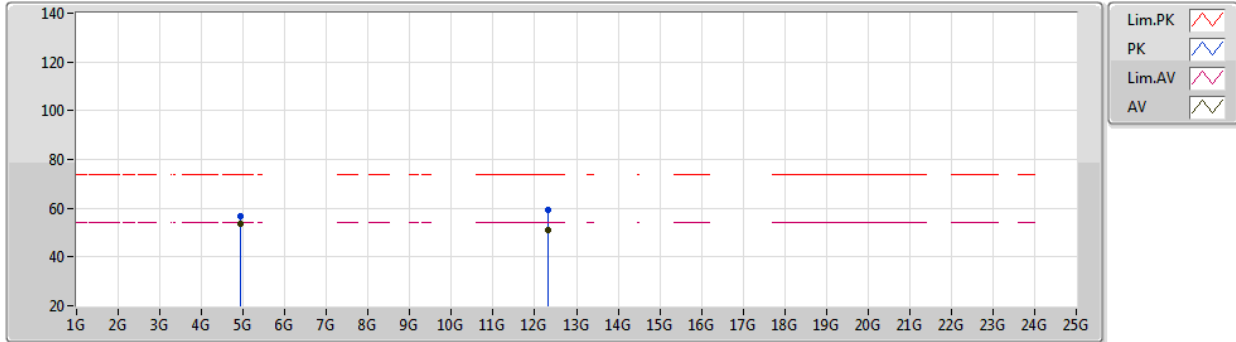
EUT Y_2TX
Setting 21
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92404G	55.49	74.00	-18.51	50.53	3	Vertical	319	1.80	-	32.95	4.88	32.87
AV	4.92412G	52.24	54.00	-1.76	47.28	3	Vertical	319	1.80	-	32.95	4.88	32.87
PK	12.31028G	57.45	74.00	-16.55	44.56	3	Vertical	345	1.83	-	39.15	8.02	34.28
AV	12.30928G	47.93	54.00	-6.07	35.04	3	Vertical	345	1.83	-	39.15	8.02	34.28

802.11b_Nss1,(1Mbps)_2TX

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2462MHz_TX



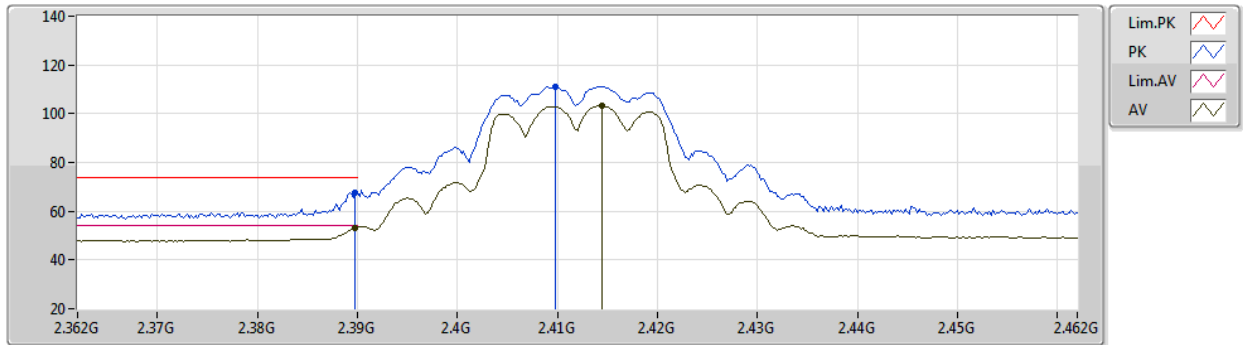
EUT Y_2TX
Setting 21
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92416G	56.70	74.00	-17.30	51.74	3	Horizontal	281	1.98	-	32.95	4.88	32.87
AV	4.92407G	53.57	54.00	-0.43	48.61	3	Horizontal	281	1.98	-	32.95	4.88	32.87
PK	12.31116G	59.51	74.00	-14.49	46.62	3	Horizontal	42	1.63	-	39.15	8.02	34.28
AV	12.31108G	50.95	54.00	-3.05	38.06	3	Horizontal	42	1.63	-	39.15	8.02	34.28

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2412MHz_TX



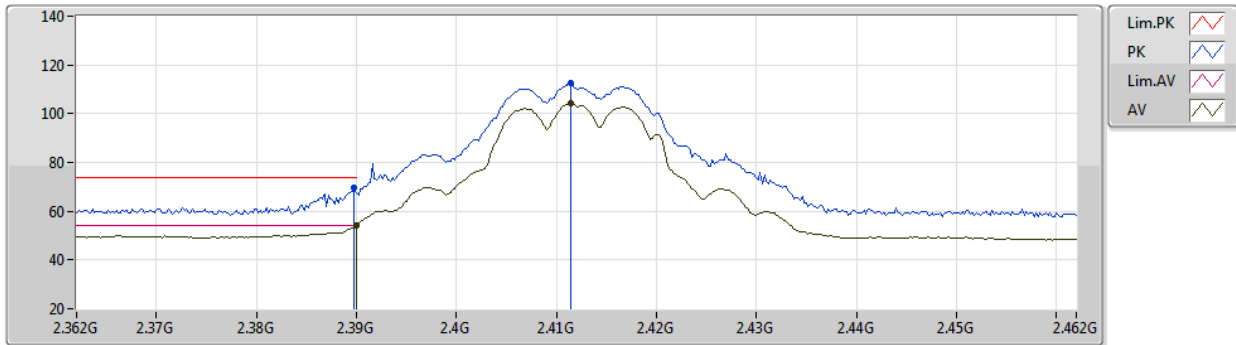
EUT Y_2TX
Setting 1A
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	67.78	74.00	-6.22	36.98	3	Vertical	52	2.47	-	27.51	3.29	-
AV	2.3898G	53.14	54.00	-0.86	22.34	3	Vertical	52	2.47	-	27.51	3.29	-
PK	2.4098G	111.26	Inf	-Inf	80.42	3	Vertical	52	2.47	-	27.54	3.30	-
AV	2.4144G	103.21	Inf	-Inf	72.34	3	Vertical	52	2.47	-	27.56	3.31	-

802.11g_Nss1,(6Mbps)_2TX

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2412MHz_TX



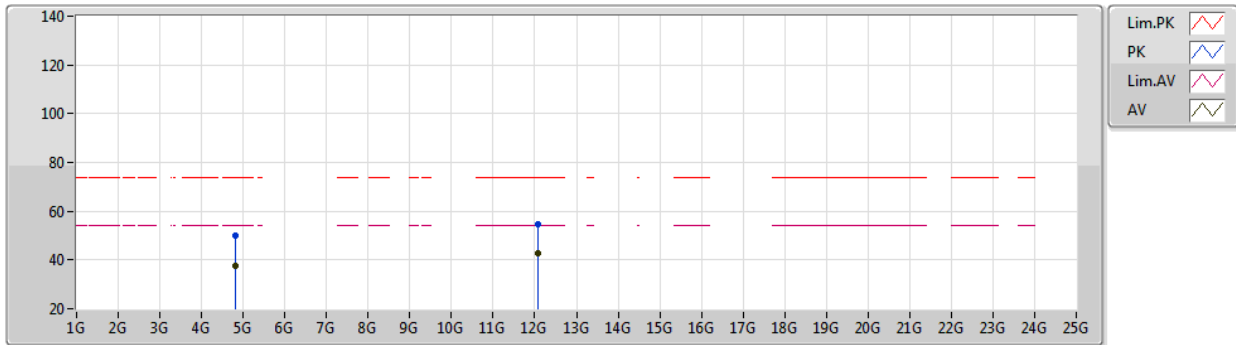
EUT Y_2TX
Setting 1A
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	69.53	74.00	-4.47	38.73	3	Horizontal	360	1.00	-	27.51	3.29	-
AV	2.39G	53.95	54.00	-0.05	23.15	3	Horizontal	360	1.00	-	27.51	3.29	-
PK	2.4114G	112.56	Inf	-Inf	81.70	3	Horizontal	360	1.00	-	27.55	3.31	-
AV	2.4114G	104.29	Inf	-Inf	73.43	3	Horizontal	360	1.00	-	27.55	3.31	-

802.11g_Nss1,(6Mbps)_2TX

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2412MHz_TX



EUT Y_2TX
Setting 1A
04-P-O-1

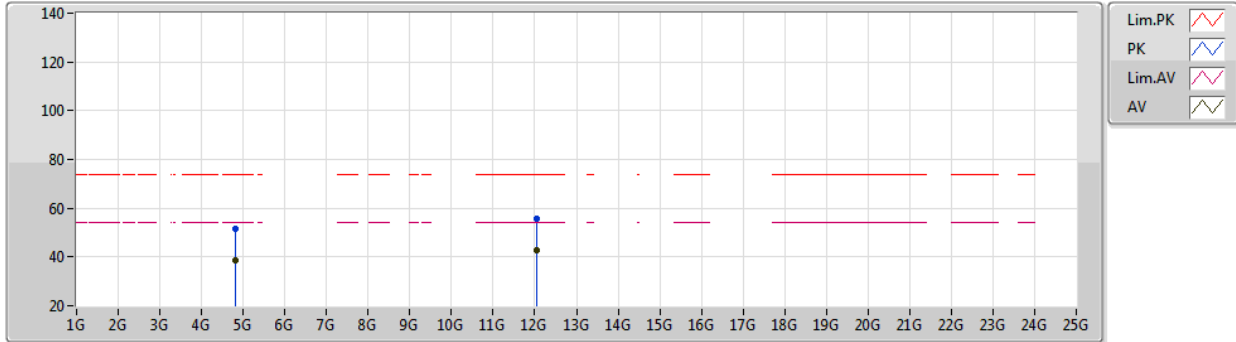
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.826G	50.08	74.00	-23.92	45.53	3	Vertical	270	1.91	-	32.60	4.83	32.88
AV	4.826G	37.81	54.00	-16.19	33.26	3	Vertical	270	1.91	-	32.60	4.83	32.88
PK	12.0664G	54.87	74.00	-19.13	42.29	3	Vertical	195	2.10	-	38.95	7.99	34.36
AV	12.0712G	42.54	54.00	-11.46	29.95	3	Vertical	195	2.10	-	38.96	7.99	34.36



802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2412MHz_TX



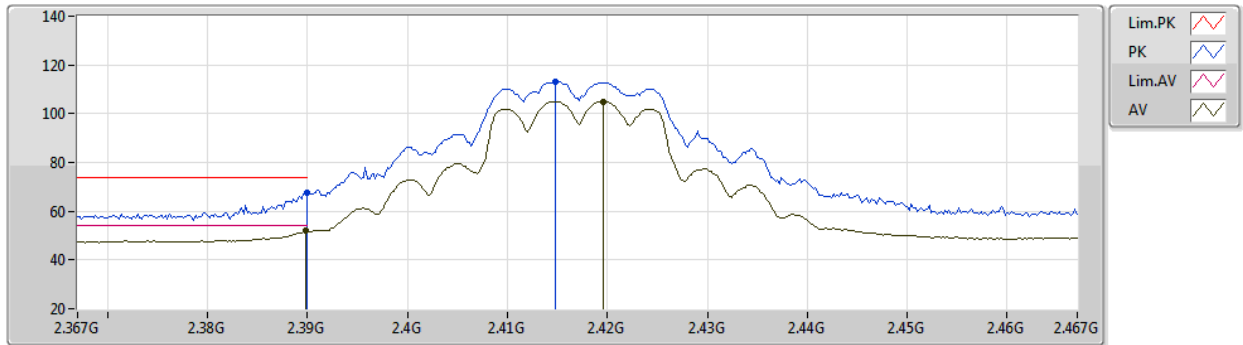
EUT Y_2TX
Setting 1A
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.826G	51.39	74.00	-22.61	46.84	3	Horizontal	199	2.54	-	32.60	4.83	32.88
AV	4.8254G	38.42	54.00	-15.58	33.87	3	Horizontal	199	2.54	-	32.60	4.83	32.88
PK	12.05988G	55.44	74.00	-18.56	42.86	3	Horizontal	161	1.98	-	38.95	7.99	34.36
AV	12.05924G	42.69	54.00	-11.31	30.11	3	Horizontal	161	1.98	-	38.95	7.99	34.36

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2417MHz_TX



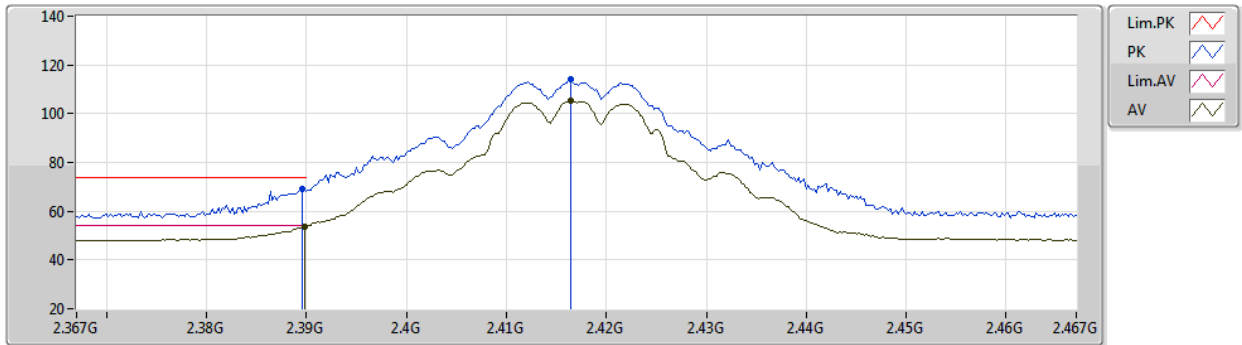
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Setting 1F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	67.53	74.00	-6.47	36.73	3	Vertical	54	2.48	-	27.51	3.29	-
AV	2.3898G	51.84	54.00	-2.16	21.04	3	Vertical	54	2.48	-	27.51	3.29	-
PK	2.4148G	113.31	Inf	-Inf	82.44	3	Vertical	54	2.48	-	27.56	3.31	-
AV	2.4196G	105.04	Inf	-Inf	74.15	3	Vertical	54	2.48	-	27.58	3.31	-

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2417MHz_TX



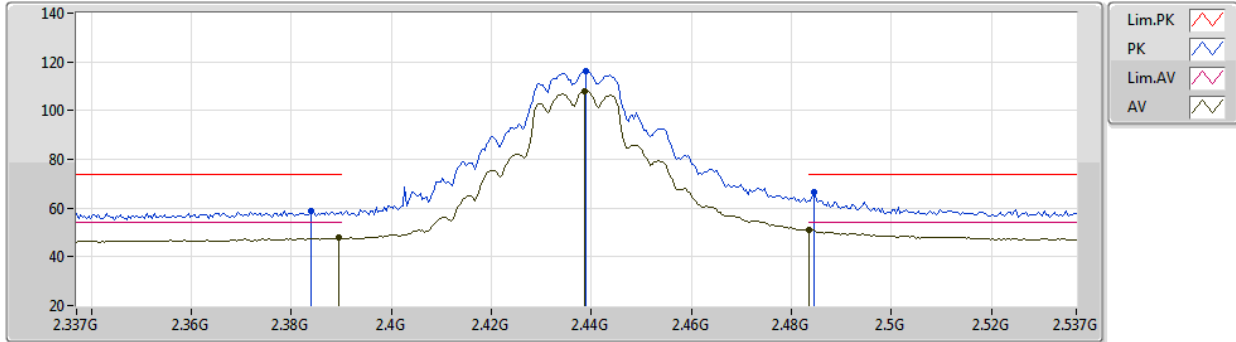
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Setting 1F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	69.36	74.00	-4.64	38.56	3	Horizontal	341	2.41	-	27.51	3.29	-
AV	2.3898G	53.50	54.00	-0.50	22.70	3	Horizontal	341	2.41	-	27.51	3.29	-
PK	2.4164G	113.89	Inf	-Inf	83.01	3	Horizontal	341	2.41	-	27.57	3.31	-
AV	2.4164G	105.53	Inf	-Inf	74.65	3	Horizontal	341	2.41	-	27.57	3.31	-

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2437MHz_TX



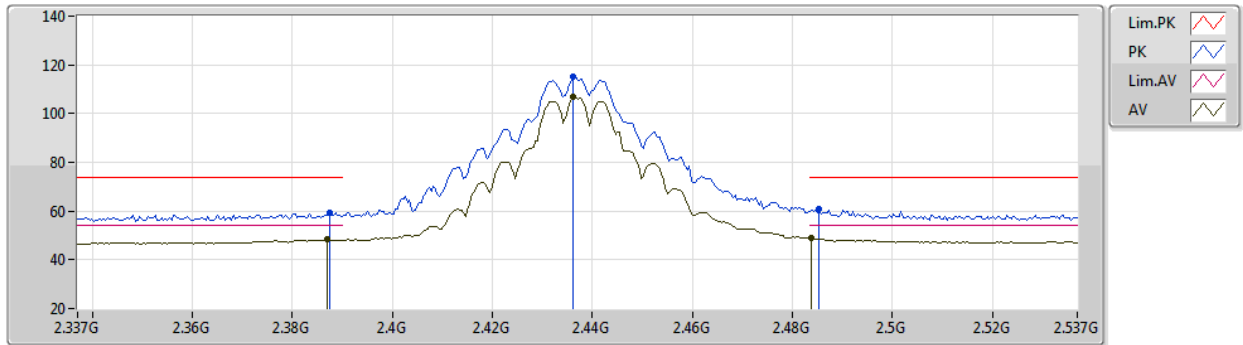
EUT Y_2TX
Setting 2F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3838G	58.91	74.00	-15.09	28.11	3	Vertical	34	1.19	-	27.52	3.28	-
AV	2.3894G	47.81	54.00	-6.19	17.01	3	Vertical	34	1.19	-	27.51	3.29	-
PK	2.439G	116.26	Inf	-Inf	85.28	3	Vertical	34	1.19	-	27.66	3.32	-
AV	2.4386G	108.14	Inf	-Inf	77.17	3	Vertical	34	1.19	-	27.65	3.32	-
PK	2.4846G	66.71	74.00	-7.29	35.53	3	Vertical	34	1.19	-	27.84	3.34	-
AV	2.4835G	51.17	54.00	-2.83	20.00	3	Vertical	34	1.19	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2437MHz_TX



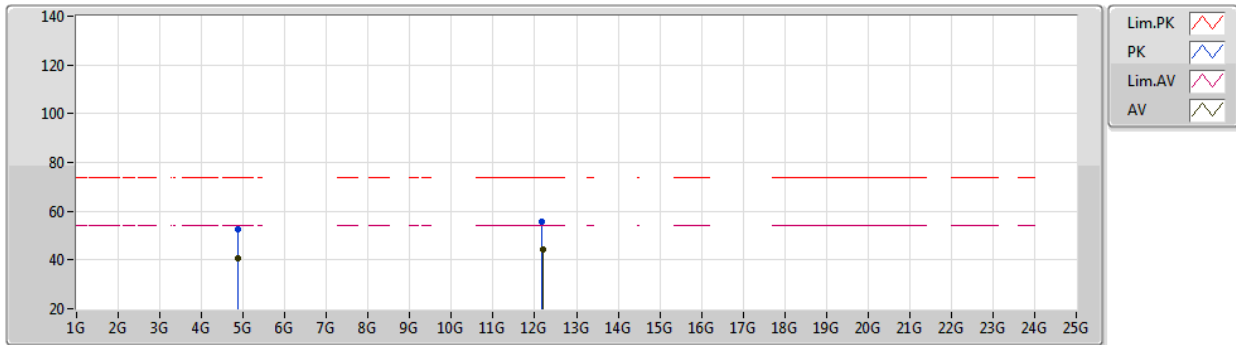
EUT Y_2TX
Setting 2F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3874G	59.35	74.00	-14.65	28.55	3	Horizontal	333	2.19	-	27.51	3.29	-
AV	2.387G	48.24	54.00	-5.76	17.44	3	Horizontal	333	2.19	-	27.51	3.29	-
PK	2.4362G	115.23	Inf	-Inf	84.27	3	Horizontal	333	2.19	-	27.64	3.32	-
AV	2.4362G	106.92	Inf	-Inf	75.96	3	Horizontal	333	2.19	-	27.64	3.32	-
PK	2.4854G	61.11	74.00	-12.89	29.93	3	Horizontal	333	2.19	-	27.84	3.34	-
AV	2.4838G	48.79	54.00	-5.21	17.61	3	Horizontal	333	2.19	-	27.84	3.34	-

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2437MHz_TX



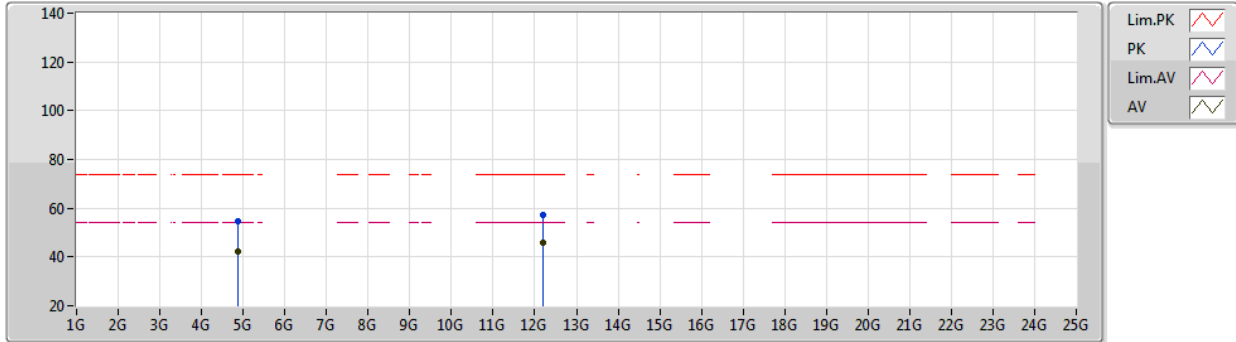
EUT Y_2TX
Setting 2F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.876G	52.70	74.00	-21.30	47.91	3	Vertical	317	1.96	-	32.80	4.86	32.87
AV	4.8756G	40.82	54.00	-13.18	36.03	3	Vertical	317	1.96	-	32.80	4.86	32.87
PK	12.1818G	55.60	74.00	-18.40	42.87	3	Vertical	347	1.79	-	39.05	8.00	34.32
AV	12.1868G	44.06	54.00	-9.94	31.33	3	Vertical	347	1.79	-	39.05	8.00	34.32

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2437MHz_TX



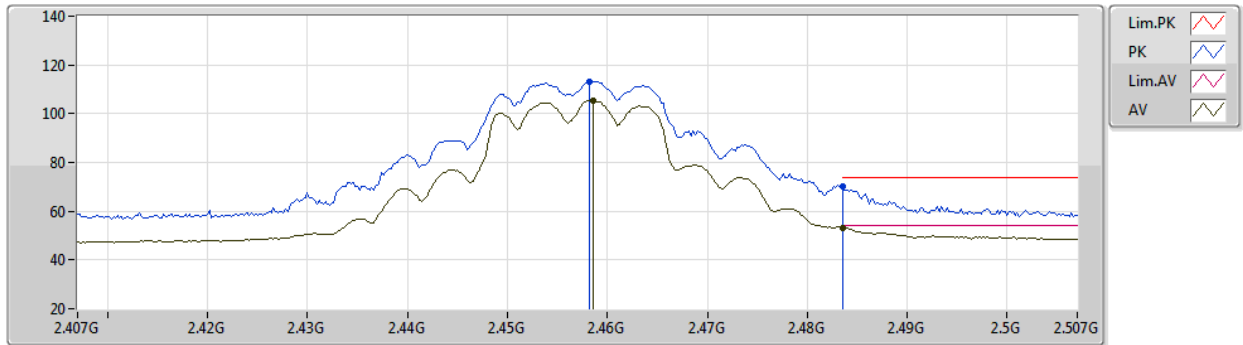
EUT Y_2TX
Setting 2F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8704G	54.45	74.00	-19.55	49.69	3	Horizontal	284	1.80	-	32.78	4.85	32.87
AV	4.8741G	42.18	54.00	-11.82	37.40	3	Horizontal	284	1.80	-	32.80	4.85	32.87
PK	12.1864G	57.49	74.00	-16.51	44.76	3	Horizontal	40	1.57	-	39.05	8.00	34.32
AV	12.1864G	45.96	54.00	-8.04	33.23	3	Horizontal	40	1.57	-	39.05	8.00	34.32

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2457MHz_TX



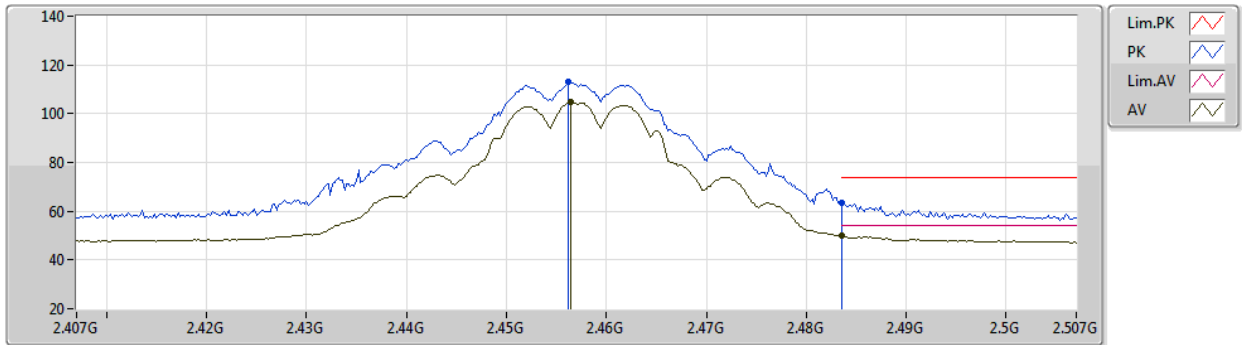
EUT Y_2TX
Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4582G	113.31	Inf	-Inf	82.25	3	Vertical	25	1.02	-	27.73	3.33	-
AV	2.4586G	105.44	Inf	-Inf	74.38	3	Vertical	25	1.02	-	27.73	3.33	-
PK	2.4835G	69.95	74.00	-4.05	38.78	3	Vertical	25	1.02	-	27.83	3.34	-
AV	2.4835G	53.30	54.00	-0.70	22.13	3	Vertical	25	1.02	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2457MHz_TX



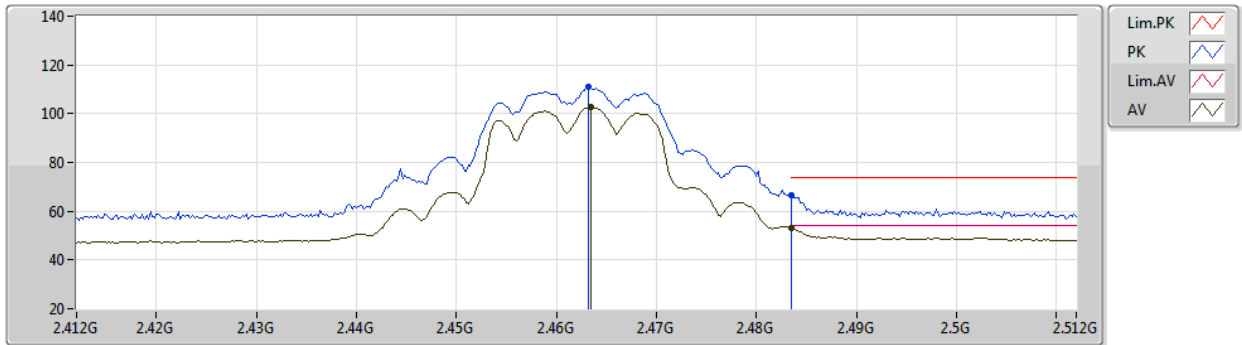
EUT Y_2TX
Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4562G	112.98	Inf	-Inf	81.93	3	Horizontal	348	2.40	-	27.72	3.33	-
AV	2.4564G	104.76	Inf	-Inf	73.70	3	Horizontal	348	2.40	-	27.73	3.33	-
PK	2.4835G	63.57	74.00	-10.43	32.40	3	Horizontal	348	2.40	-	27.83	3.34	-
AV	2.4835G	49.78	54.00	-4.22	18.61	3	Horizontal	348	2.40	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2462MHz_TX



EUT Y_2TX
Setting 18
04-P-O-1

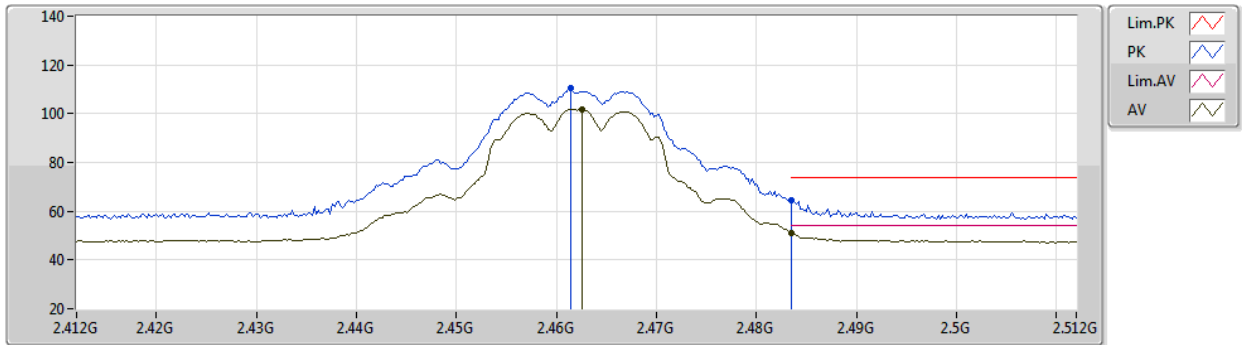
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4632G	110.88	Inf	-Inf	79.80	3	Vertical	23	1.00	-	27.75	3.33	-
AV	2.4634G	102.62	Inf	-Inf	71.54	3	Vertical	23	1.00	-	27.75	3.33	-
PK	2.4835G	66.51	74.00	-7.49	35.34	3	Vertical	23	1.00	-	27.83	3.34	-
AV	2.4835G	53.18	54.00	-0.82	22.01	3	Vertical	23	1.00	-	27.83	3.34	-



802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2462MHz_TX



EUT Y_2TX
Setting 18
04-P-O-1

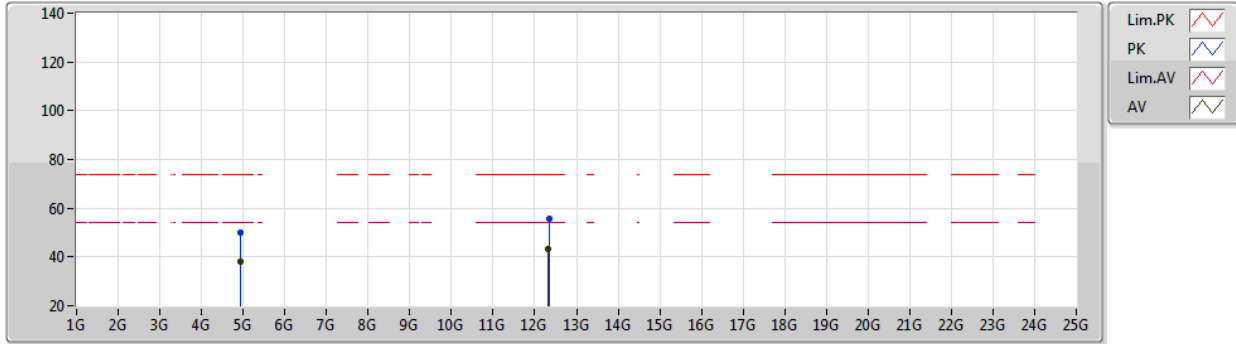
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4614G	110.30	Inf	-Inf	79.22	3	Horizontal	350	2.35	-	27.75	3.33	-
AV	2.4626G	101.92	Inf	-Inf	70.84	3	Horizontal	350	2.35	-	27.75	3.33	-
PK	2.4835G	64.55	74.00	-9.45	33.38	3	Horizontal	350	2.35	-	27.83	3.34	-
AV	2.4835G	51.17	54.00	-2.83	20.00	3	Horizontal	350	2.35	-	27.83	3.34	-



802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2462MHz_TX



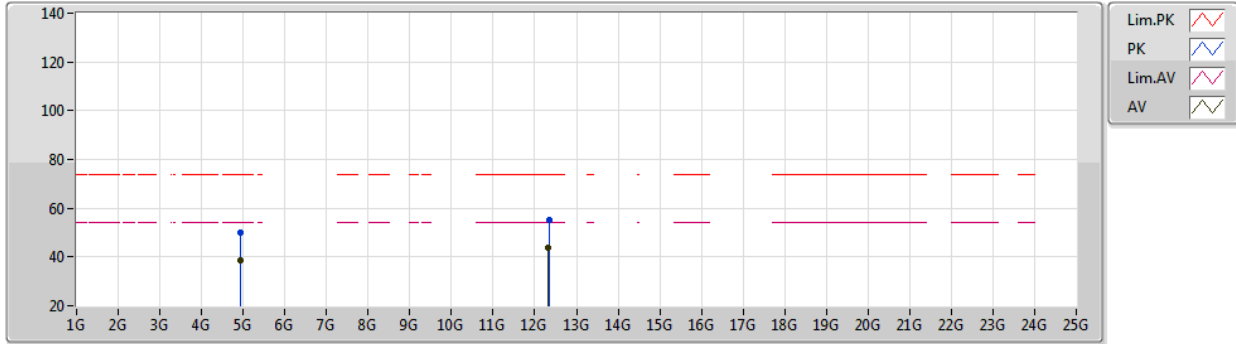
EUT Y_2TX
Setting 18
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9258G	50.04	74.00	-23.96	45.06	3	Vertical	88	1.56	-	32.95	4.89	32.86
AV	4.9252G	38.26	54.00	-15.74	33.28	3	Vertical	88	1.56	-	32.95	4.89	32.86
PK	12.341G	55.84	74.00	-18.16	42.92	3	Vertical	102	1.31	-	39.17	8.02	34.27
AV	12.3256G	43.13	54.00	-10.87	30.22	3	Vertical	102	1.31	-	39.16	8.02	34.27

802.11g_Nss1,(6Mbps)_2TX

25/08/2020

2462MHz_TX



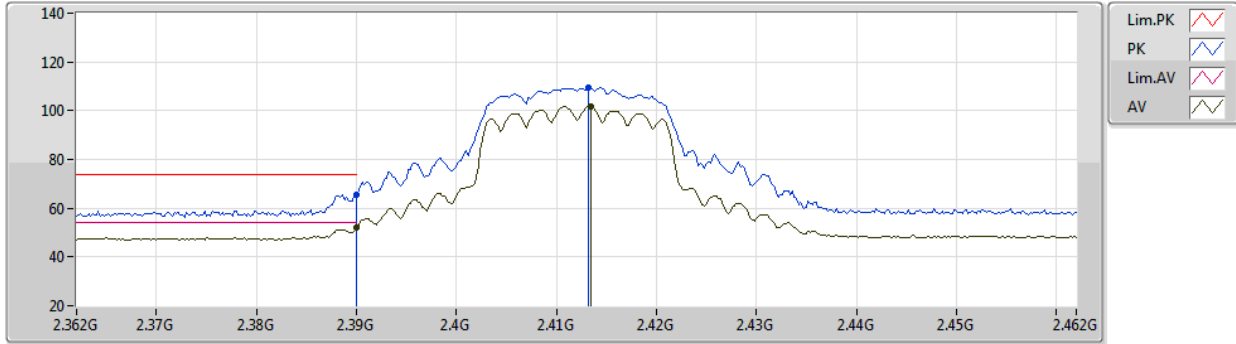
EUT Y_2TX
Setting 18
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9258G	50.16	74.00	-23.84	45.18	3	Horizontal	81	1.85	-	32.95	4.89	32.86
AV	4.9258G	38.78	54.00	-15.22	33.80	3	Horizontal	81	1.85	-	32.95	4.89	32.86
PK	12.3348G	55.19	74.00	-18.81	42.27	3	Horizontal	308	1.55	-	39.17	8.02	34.27
AV	12.3302G	43.81	54.00	-10.19	30.90	3	Horizontal	308	1.55	-	39.16	8.02	34.27

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2412MHz_TX



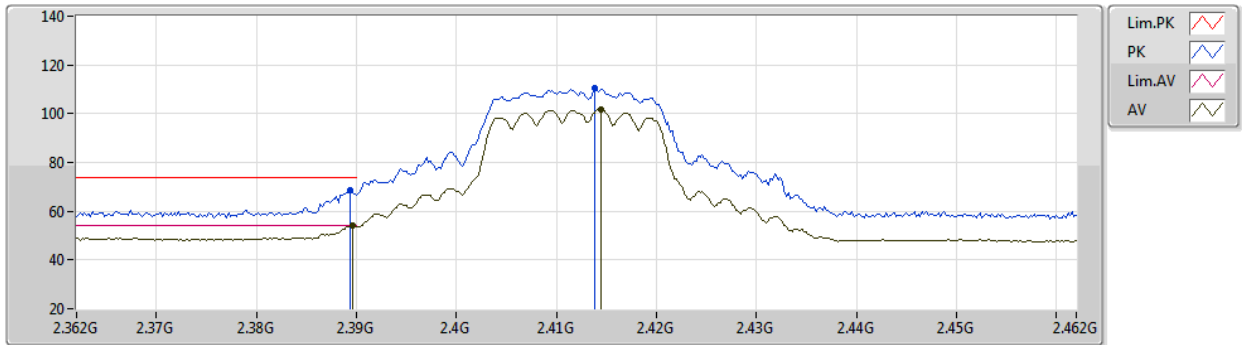
EUT Y_2TX
Setting 18
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.73	74.00	-8.27	34.93	3	Vertical	57	2.48	-	27.51	3.29	-
AV	2.39G	51.98	54.00	-2.02	21.18	3	Vertical	57	2.48	-	27.51	3.29	-
PK	2.4132G	109.34	Inf	-Inf	78.48	3	Vertical	57	2.48	-	27.55	3.31	-
AV	2.4134G	101.61	Inf	-Inf	70.75	3	Vertical	57	2.48	-	27.55	3.31	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2412MHz_TX



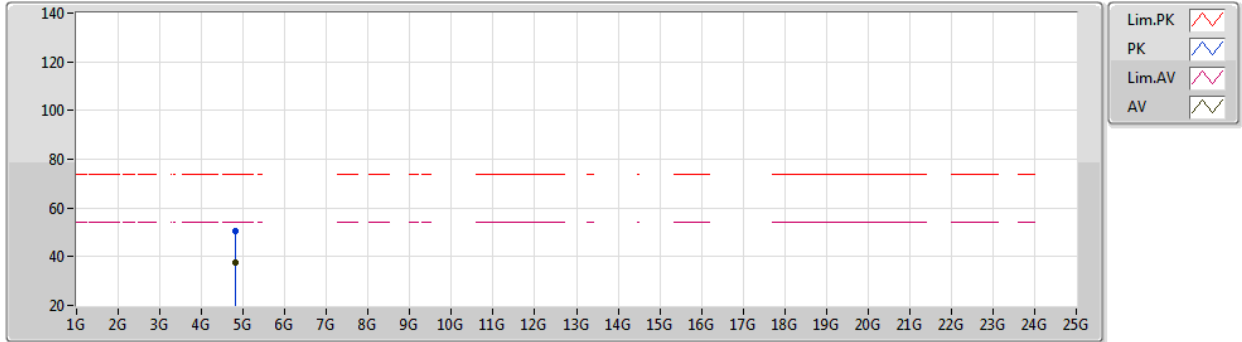
EUT Y_2TX
Setting 18
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	68.48	74.00	-5.52	37.68	3	Horizontal	0	1.00	-	27.51	3.29	-
AV	2.3896G	53.95	54.00	-0.05	23.15	3	Horizontal	0	1.00	-	27.51	3.29	-
PK	2.4138G	110.42	Inf	-Inf	79.55	3	Horizontal	0	1.00	-	27.56	3.31	-
AV	2.4144G	101.82	Inf	-Inf	70.95	3	Horizontal	0	1.00	-	27.56	3.31	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2412MHz_TX



EUT Y_2TX
Setting 18
04-P-L-2

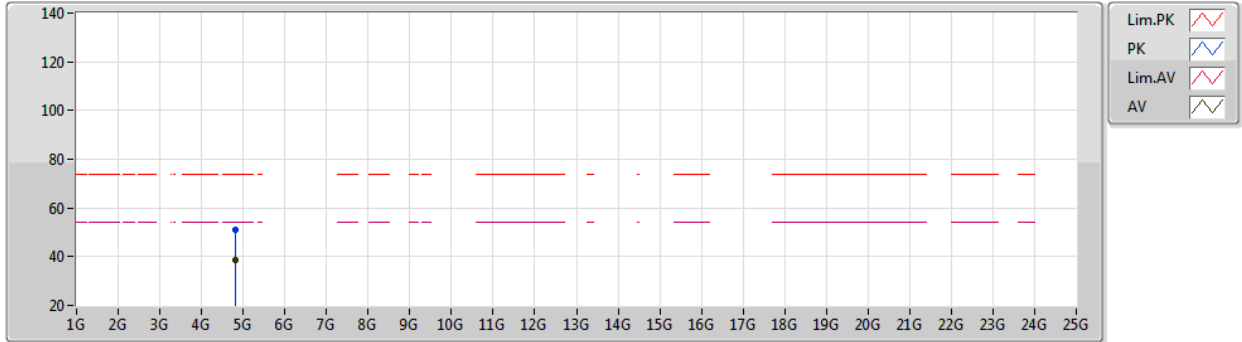
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82256G	50.41	74.00	-23.59	45.88	3	Vertical	320	1.80	-	32.59	4.82	32.88
AV	4.81752G	37.74	54.00	-16.26	33.23	3	Vertical	320	1.80	-	32.57	4.82	32.88



802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2412MHz_TX



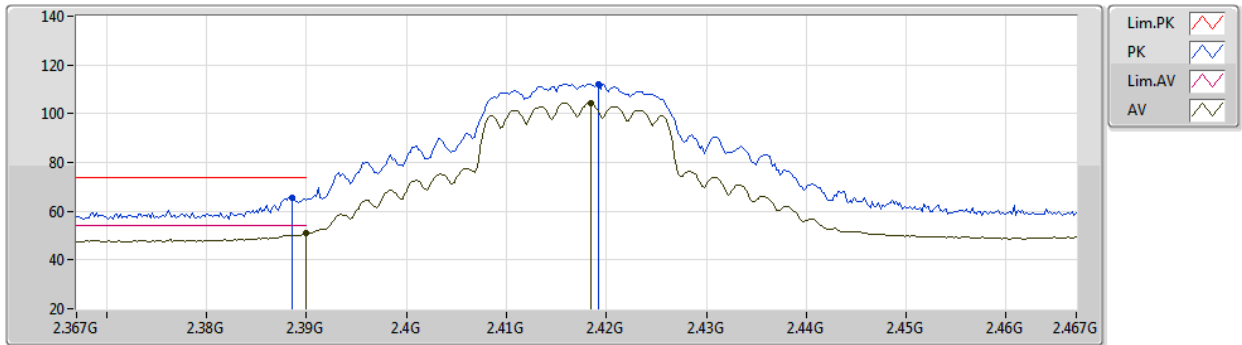
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Setting 18
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81926G	50.83	74.00	-23.17	46.31	3	Horizontal	288	1.85	-	32.58	4.82	32.88
AV	4.82178G	38.73	54.00	-15.27	34.20	3	Horizontal	288	1.85	-	32.59	4.82	32.88

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2417MHz_TX



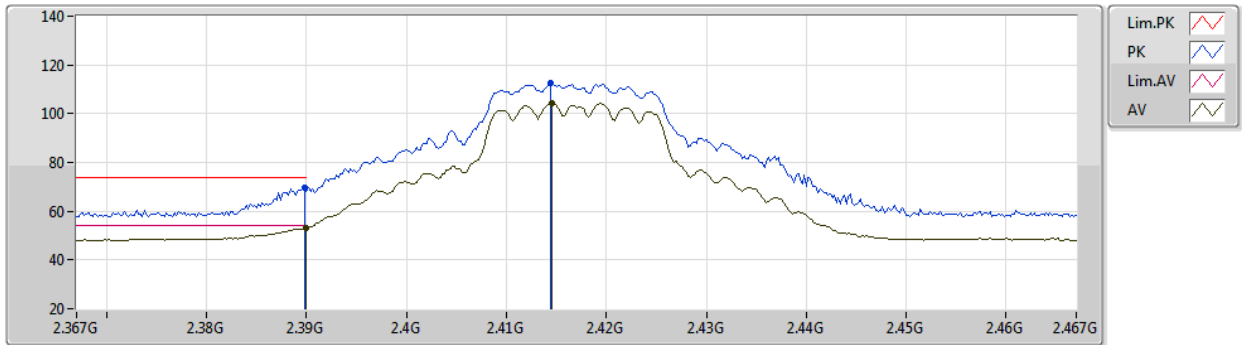
EUT Y_2TX
Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	65.72	74.00	-8.28	34.92	3	Vertical	52	2.48	-	27.51	3.29	-
AV	2.39G	50.96	54.00	-3.04	20.16	3	Vertical	52	2.48	-	27.51	3.29	-
PK	2.4192G	112.06	Inf	-Inf	81.17	3	Vertical	52	2.48	-	27.58	3.31	-
AV	2.4184G	104.40	Inf	-Inf	73.52	3	Vertical	52	2.48	-	27.57	3.31	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2417MHz_TX



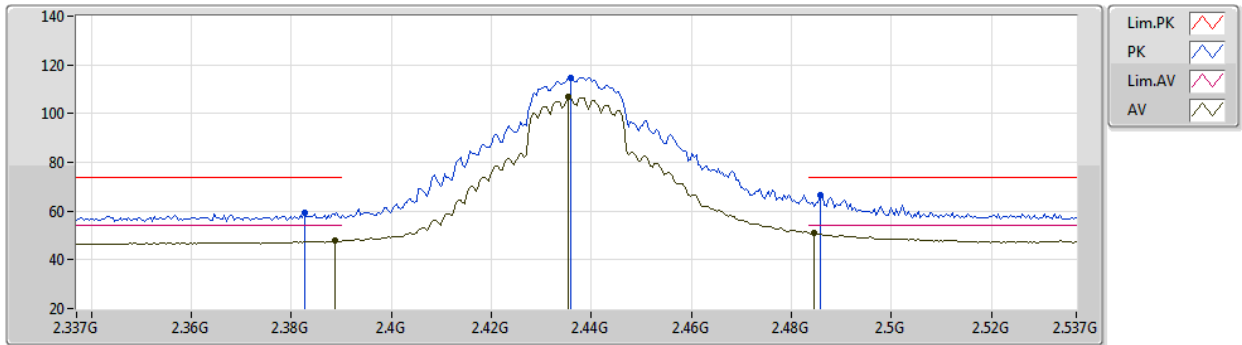
EUT Y_2TX
Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	69.49	74.00	-4.51	38.69	3	Horizontal	341	2.42	-	27.51	3.29	-
AV	2.39G	53.14	54.00	-0.86	22.34	3	Horizontal	341	2.42	-	27.51	3.29	-
PK	2.4144G	112.83	Inf	-Inf	81.96	3	Horizontal	341	2.42	-	27.56	3.31	-
AV	2.4146G	104.27	Inf	-Inf	73.40	3	Horizontal	341	2.42	-	27.56	3.31	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



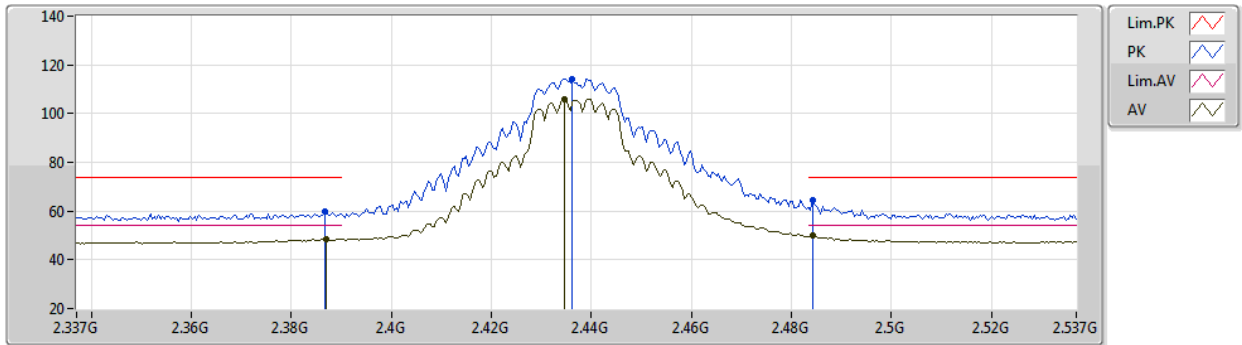
EUT Y_2TX
Setting 2F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3826G	59.09	74.00	-14.91	28.29	3	Vertical	44	1.80	-	27.52	3.28	-
AV	2.3886G	47.81	54.00	-6.19	17.01	3	Vertical	44	1.80	-	27.51	3.29	-
PK	2.4358G	114.78	Inf	-Inf	83.82	3	Vertical	44	1.80	-	27.64	3.32	-
AV	2.4354G	106.72	Inf	-Inf	75.76	3	Vertical	44	1.80	-	27.64	3.32	-
PK	2.4858G	66.35	74.00	-7.65	35.17	3	Vertical	44	1.80	-	27.84	3.34	-
AV	2.4846G	50.86	54.00	-3.14	19.68	3	Vertical	44	1.80	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



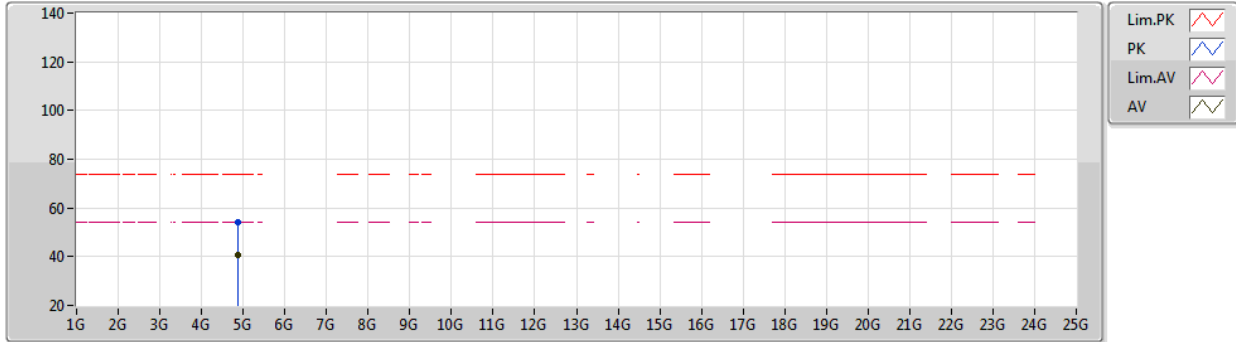
EUT Y_2TX
Setting 2F
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	59.75	74.00	-14.25	28.95	3	Horizontal	329	2.21	-	27.51	3.29	-
AV	2.387G	48.45	54.00	-5.55	17.65	3	Horizontal	329	2.21	-	27.51	3.29	-
PK	2.4362G	114.20	Inf	-Inf	83.24	3	Horizontal	329	2.21	-	27.64	3.32	-
AV	2.4346G	106.02	Inf	-Inf	75.06	3	Horizontal	329	2.21	-	27.64	3.32	-
PK	2.4842G	64.60	74.00	-9.40	33.42	3	Horizontal	329	2.21	-	27.84	3.34	-
AV	2.4842G	49.98	54.00	-4.02	18.80	3	Horizontal	329	2.21	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



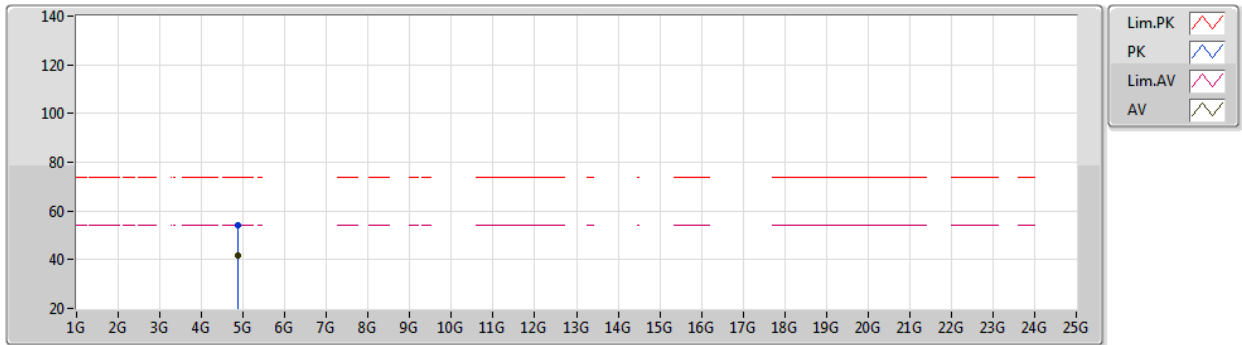
EUT Y_2TX
Setting 2F
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87478G	53.93	74.00	-20.07	49.15	3	Vertical	326	1.97	-	32.80	4.85	32.87
AV	4.87478G	40.68	54.00	-13.32	35.90	3	Vertical	326	1.97	-	32.80	4.85	32.87

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



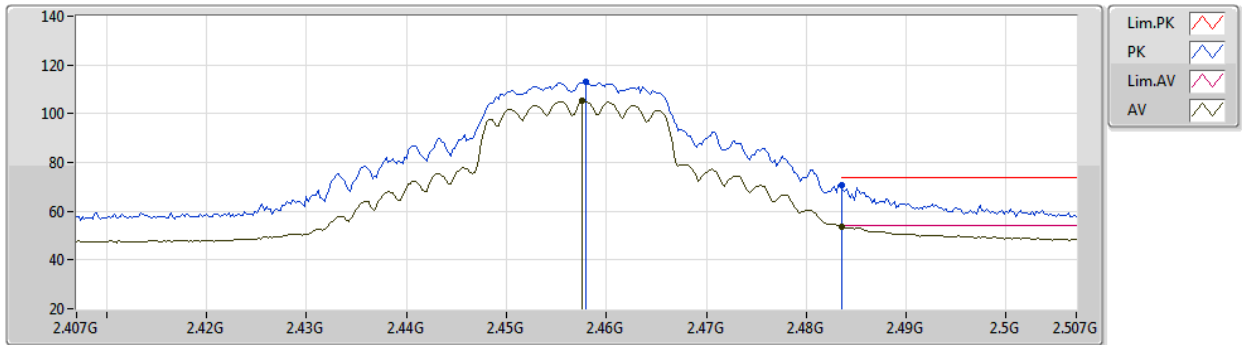
EUT Y_2TX
Setting 2F
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87202G	54.34	74.00	-19.66	49.57	3	Horizontal	285	2.04	-	32.79	4.85	32.87
AV	4.87418G	41.94	54.00	-12.06	37.16	3	Horizontal	285	2.04	-	32.80	4.85	32.87

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2457MHz_TX



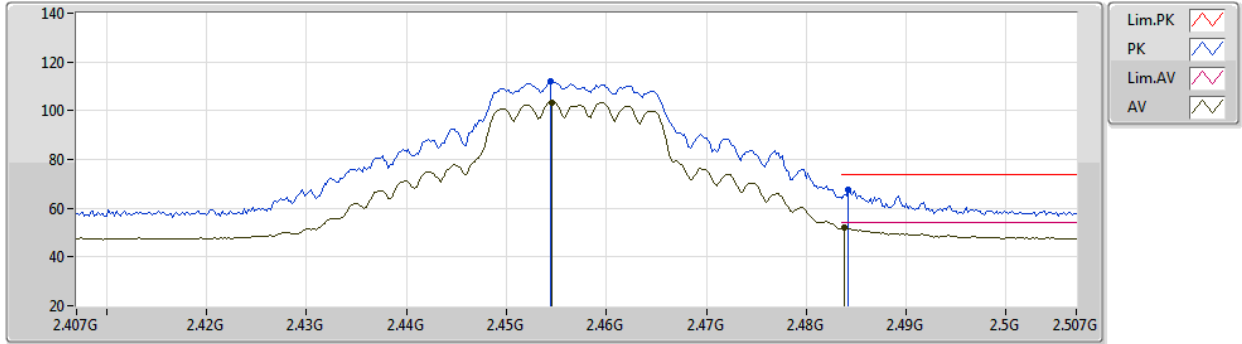
EUT Y_2TX
Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.458G	112.96	Inf	-Inf	81.90	3	Vertical	27	1.09	-	27.73	3.33	-
AV	2.4576G	105.22	Inf	-Inf	74.16	3	Vertical	27	1.09	-	27.73	3.33	-
PK	2.4835G	70.54	74.00	-3.46	39.37	3	Vertical	27	1.09	-	27.83	3.34	-
AV	2.4835G	53.55	54.00	-0.45	22.38	3	Vertical	27	1.09	-	27.83	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2457MHz_TX



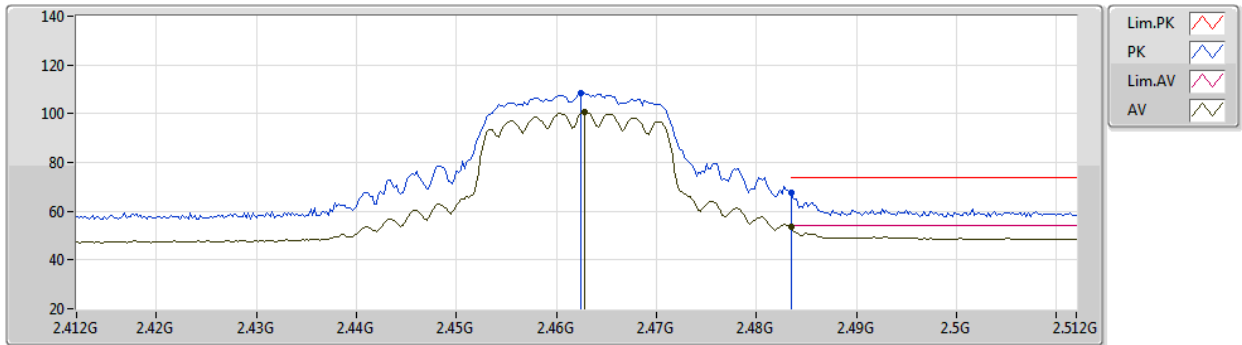
EUT Y_2TX
Setting 1E
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4544G	112.06	Inf	-Inf	81.01	3	Horizontal	328	2.15	-	27.72	3.33	-
AV	2.4546G	103.50	Inf	-Inf	72.45	3	Horizontal	328	2.15	-	27.72	3.33	-
PK	2.4842G	67.53	74.00	-6.47	36.35	3	Horizontal	328	2.15	-	27.84	3.34	-
AV	2.4838G	51.95	54.00	-2.05	20.77	3	Horizontal	328	2.15	-	27.84	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2462MHz_TX



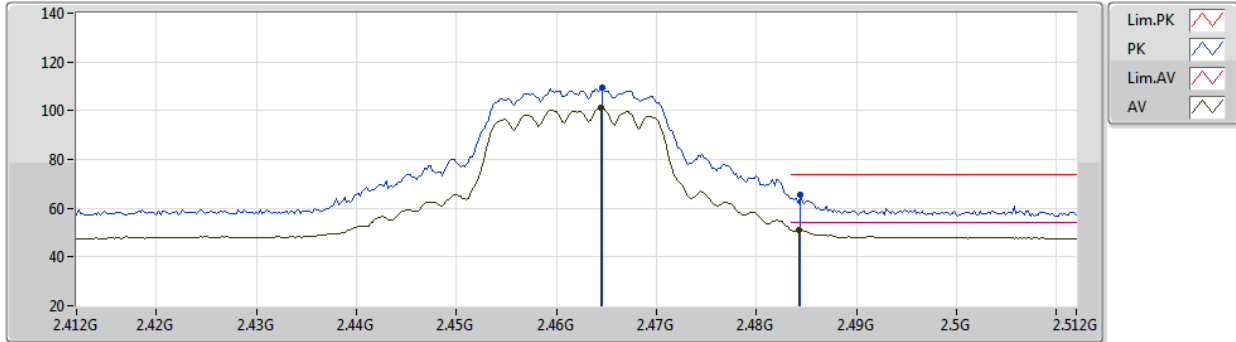
EUT Y_2TX
Setting 16
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4624G	108.27	Inf	-Inf	77.19	3	Vertical	33	1.35	-	27.75	3.33	-
AV	2.4628G	100.57	Inf	-Inf	69.49	3	Vertical	33	1.35	-	27.75	3.33	-
PK	2.4835G	67.44	74.00	-6.56	36.27	3	Vertical	33	1.35	-	27.83	3.34	-
AV	2.4835G	53.43	54.00	-0.57	22.26	3	Vertical	33	1.35	-	27.83	3.34	-

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2462MHz_TX



EUT Y_2TX
Setting 16
04-P-O-1

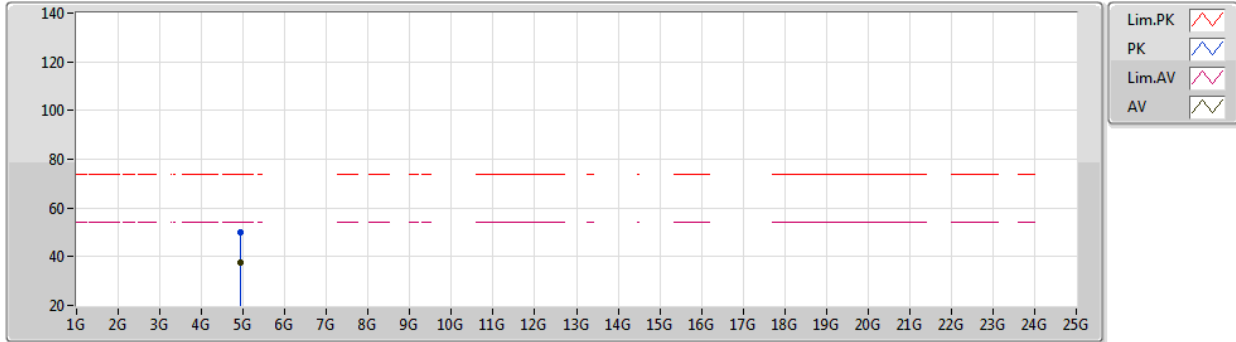
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4646G	109.53	Inf	-Inf	78.44	3	Horizontal	350	2.33	-	27.76	3.33	-
AV	2.4644G	100.99	Inf	-Inf	69.90	3	Horizontal	350	2.33	-	27.76	3.33	-
PK	2.4844G	65.38	74.00	-8.62	34.20	3	Horizontal	350	2.33	-	27.84	3.34	-
AV	2.4842G	51.02	54.00	-2.98	19.84	3	Horizontal	350	2.33	-	27.84	3.34	-



802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2462MHz_TX



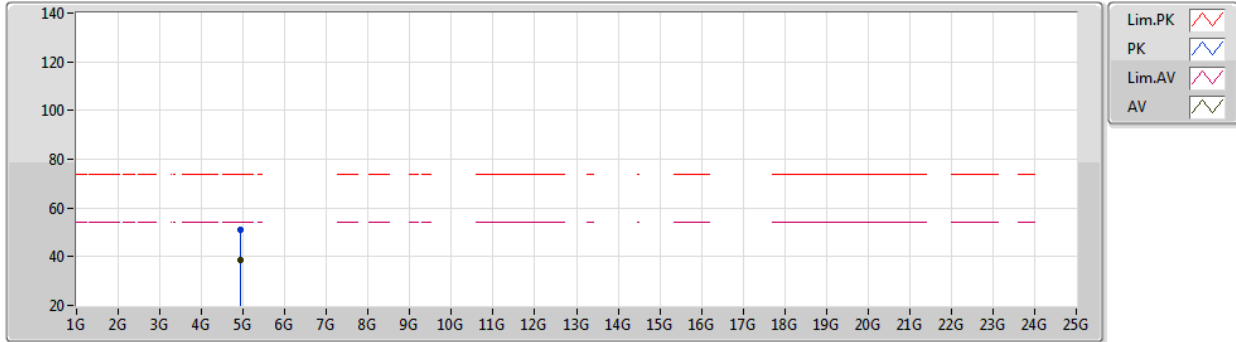
EUT Y_2TX
Setting 16
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92496G	50.24	74.00	-23.76	45.28	3	Vertical	323	1.80	-	32.95	4.88	32.87
AV	4.92298G	37.78	54.00	-16.22	32.82	3	Vertical	323	1.80	-	32.95	4.88	32.87

802.11n HT20_Nss1,(MCS0)_2TX

25/08/2020

2462MHz_TX



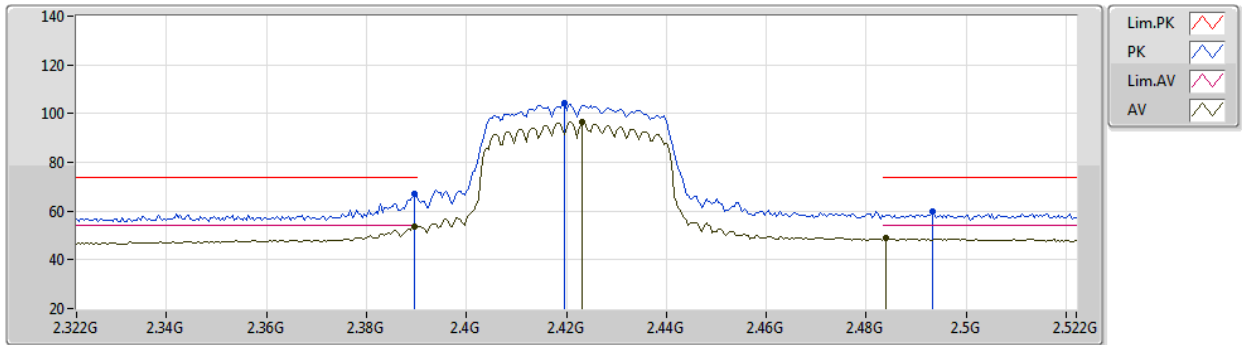
EUT Y_2TX
Setting 16
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92448G	51.24	74.00	-22.76	46.28	3	Horizontal	283	2.22	-	32.95	4.88	32.87
AV	4.9243G	38.60	54.00	-15.40	33.64	3	Horizontal	283	2.22	-	32.95	4.88	32.87

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2422MHz_TX



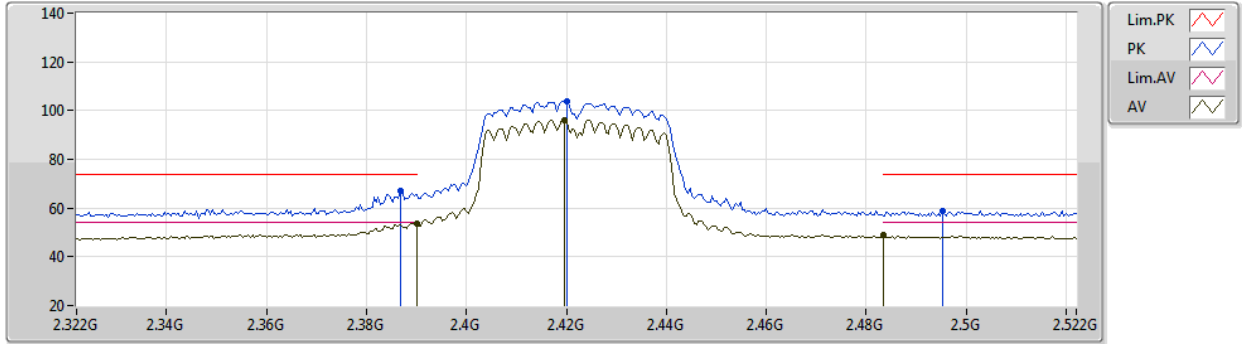
EUT Y_2TX
Setting 11
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	66.86	74.00	-7.14	36.06	3	Vertical	51	2.48	-	27.51	3.29	-
AV	2.3896G	53.72	54.00	-0.28	22.92	3	Vertical	51	2.48	-	27.51	3.29	-
PK	2.4196G	104.13	Inf	-Inf	73.24	3	Vertical	51	2.48	-	27.58	3.31	-
AV	2.4232G	96.63	Inf	-Inf	65.73	3	Vertical	51	2.48	-	27.59	3.31	-
PK	2.4932G	59.58	74.00	-14.42	28.36	3	Vertical	51	2.48	-	27.87	3.35	-
AV	2.484G	48.79	54.00	-5.21	17.61	3	Vertical	51	2.48	-	27.84	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

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2422MHz_TX



EUT Y_2TX
Setting 11
04-P-O-1

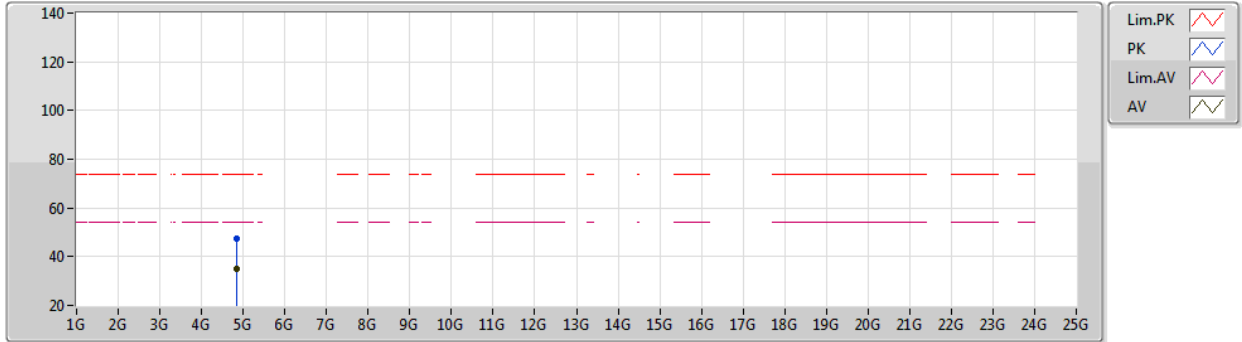
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3868G	67.26	74.00	-6.74	36.46	3	Horizontal	360	1.00	-	27.51	3.29	-
AV	2.39G	53.84	54.00	-0.16	23.04	3	Horizontal	360	1.00	-	27.51	3.29	-
PK	2.42G	103.79	Inf	-Inf	72.90	3	Horizontal	360	1.00	-	27.58	3.31	-
AV	2.4196G	96.26	Inf	-Inf	65.37	3	Horizontal	360	1.00	-	27.58	3.31	-
PK	2.4952G	58.62	74.00	-15.38	27.39	3	Horizontal	360	1.00	-	27.88	3.35	-
AV	2.4835G	48.78	54.00	-5.22	17.61	3	Horizontal	360	1.00	-	27.83	3.34	-



802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2422MHz_TX



EUT Y_2TX
Setting 11
04-P-L-2

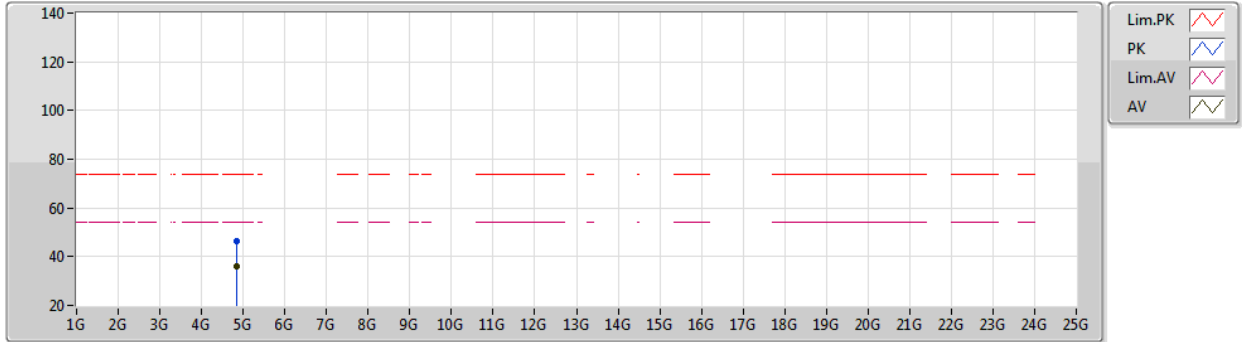
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83596G	47.31	74.00	-26.69	42.72	3	Vertical	347	1.80	-	32.64	4.83	32.88
AV	4.84802G	35.08	54.00	-18.92	30.43	3	Vertical	347	1.80	-	32.69	4.84	32.88



802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2422MHz_TX



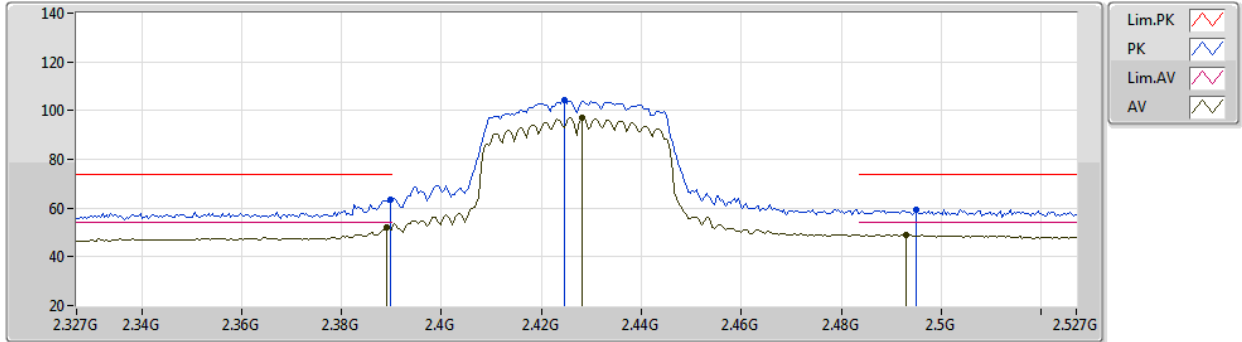
EUT Y_2TX
Setting 11
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83884G	46.60	74.00	-27.40	41.99	3	Horizontal	355	1.97	-	32.66	4.83	32.88
AV	4.8524G	35.85	54.00	-18.15	31.17	3	Horizontal	355	1.97	-	32.71	4.84	32.87

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2427MHz_TX



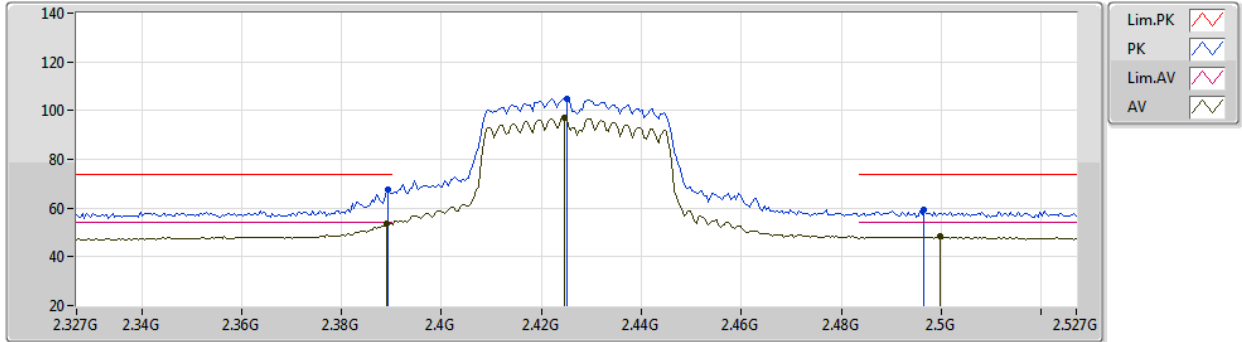
EUT Y_2TX
Setting 13
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	63.27	74.00	-10.73	32.47	3	Vertical	52	1.77	-	27.51	3.29	-
AV	2.389G	51.84	54.00	-2.16	21.04	3	Vertical	52	1.77	-	27.51	3.29	-
PK	2.4246G	104.47	Inf	-Inf	73.56	3	Vertical	52	1.77	-	27.60	3.31	-
AV	2.4282G	97.11	Inf	-Inf	66.19	3	Vertical	52	1.77	-	27.61	3.31	-
PK	2.495G	59.41	74.00	-14.59	28.18	3	Vertical	52	1.77	-	27.88	3.35	-
AV	2.493G	49.04	54.00	-4.96	17.82	3	Vertical	52	1.77	-	27.87	3.35	-

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2427MHz_TX



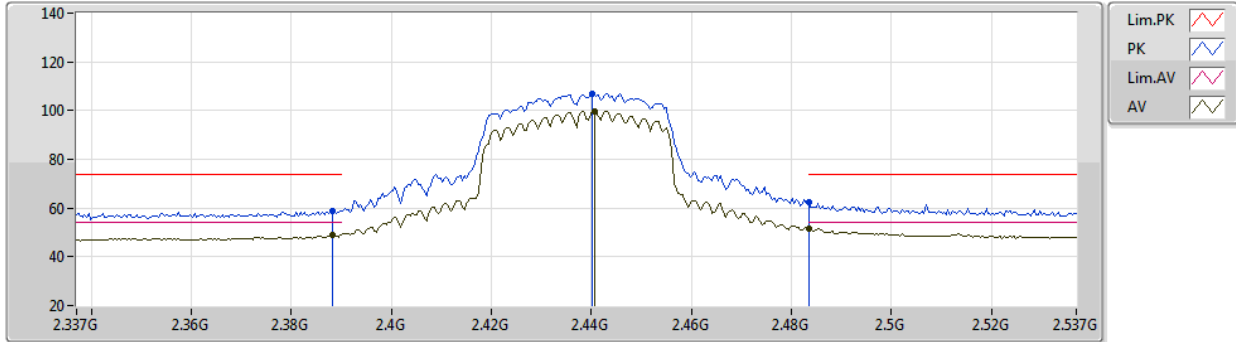
EUT Y_2TX
Setting 13
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	67.46	74.00	-6.54	36.66	3	Horizontal	340	2.40	-	27.51	3.29	-
AV	2.389G	53.72	54.00	-0.28	22.92	3	Horizontal	340	2.40	-	27.51	3.29	-
PK	2.425G	104.85	Inf	-Inf	73.94	3	Horizontal	340	2.40	-	27.60	3.31	-
AV	2.4246G	97.13	Inf	-Inf	66.22	3	Horizontal	340	2.40	-	27.60	3.31	-
PK	2.4966G	59.23	74.00	-14.77	27.99	3	Horizontal	340	2.40	-	27.89	3.35	-
AV	2.4998G	48.20	54.00	-5.80	16.95	3	Horizontal	340	2.40	-	27.90	3.35	-

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



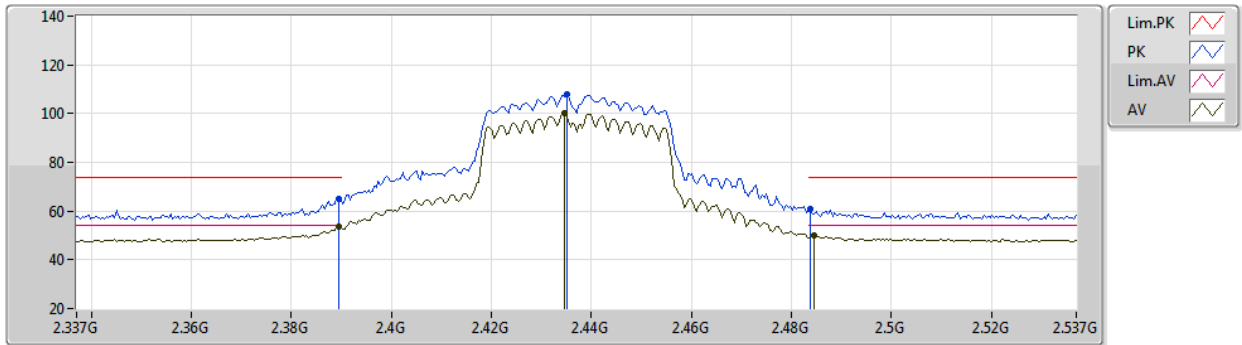
EUT Y_2TX
Setting 17
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	58.75	74.00	-15.25	27.95	3	Vertical	37	1.17	-	27.51	3.29	-
AV	2.3882G	49.05	54.00	-4.95	18.25	3	Vertical	37	1.17	-	27.51	3.29	-
PK	2.4402G	106.90	Inf	-Inf	75.92	3	Vertical	37	1.17	-	27.66	3.32	-
AV	2.4406G	99.77	Inf	-Inf	68.79	3	Vertical	37	1.17	-	27.66	3.32	-
PK	2.4835G	62.20	74.00	-11.80	31.03	3	Vertical	37	1.17	-	27.83	3.34	-
AV	2.4835G	51.49	54.00	-2.51	20.32	3	Vertical	37	1.17	-	27.83	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



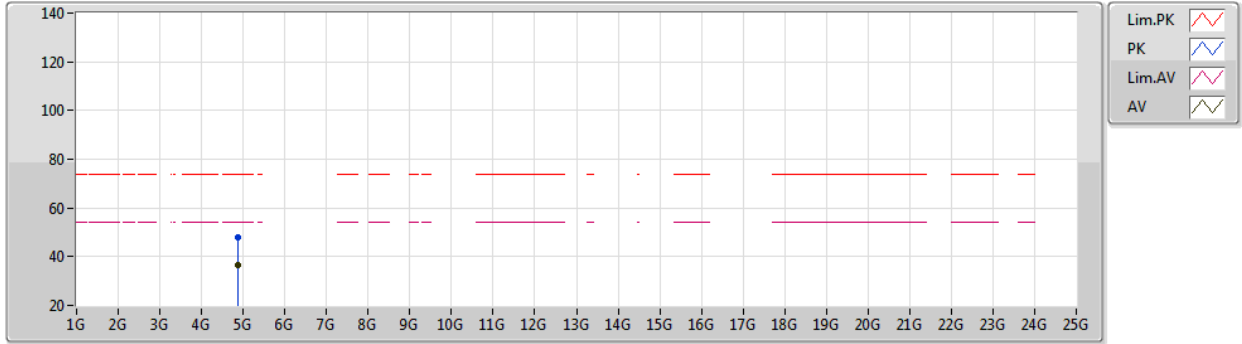
EUT Y_2TX
Setting 17
04-P-O-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	64.96	74.00	-9.04	34.16	3	Horizontal	331	2.21	-	27.51	3.29	-
AV	2.3894G	53.72	54.00	-0.28	22.92	3	Horizontal	331	2.21	-	27.51	3.29	-
PK	2.435G	108.14	Inf	-Inf	77.18	3	Horizontal	331	2.21	-	27.64	3.32	-
AV	2.4346G	100.04	Inf	-Inf	69.08	3	Horizontal	331	2.21	-	27.64	3.32	-
PK	2.4838G	60.69	74.00	-13.31	29.51	3	Horizontal	331	2.21	-	27.84	3.34	-
AV	2.4846G	49.79	54.00	-4.21	18.61	3	Horizontal	331	2.21	-	27.84	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



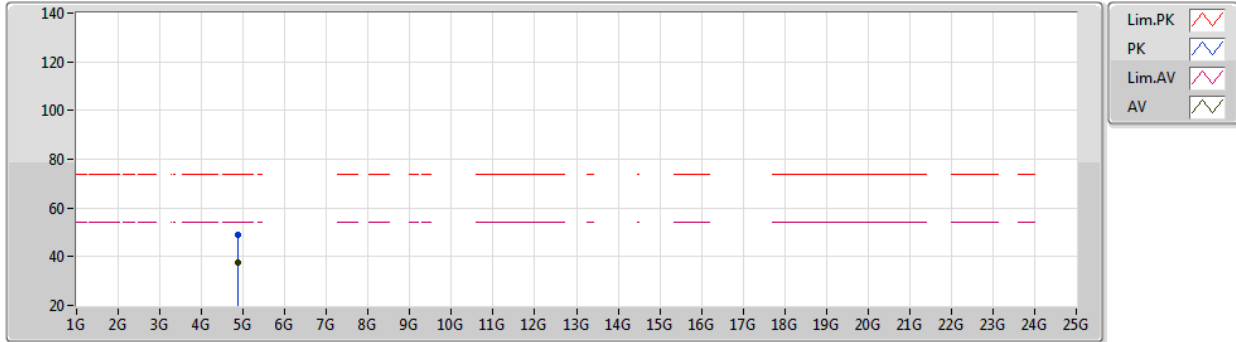
EUT Y_2TX
Setting 17
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87238G	47.79	74.00	-26.21	43.02	3	Vertical	322	1.84	-	32.79	4.85	32.87
AV	4.87502G	36.59	54.00	-17.41	31.80	3	Vertical	322	1.84	-	32.80	4.86	32.87

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2437MHz_TX



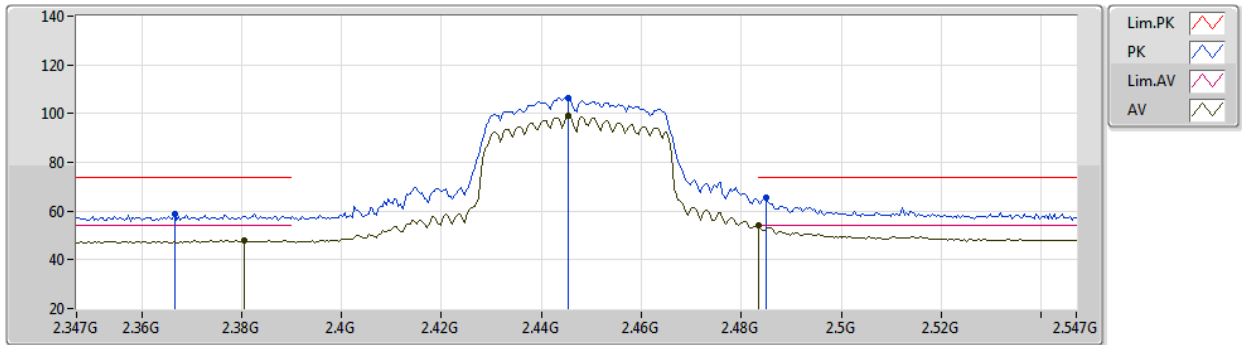
EUT Y_2TX
Setting 17
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87442G	49.01	74.00	-24.99	44.23	3	Horizontal	279	1.93	-	32.80	4.85	32.87
AV	4.87436G	37.62	54.00	-16.38	32.84	3	Horizontal	279	1.93	-	32.80	4.85	32.87

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2447MHz_TX



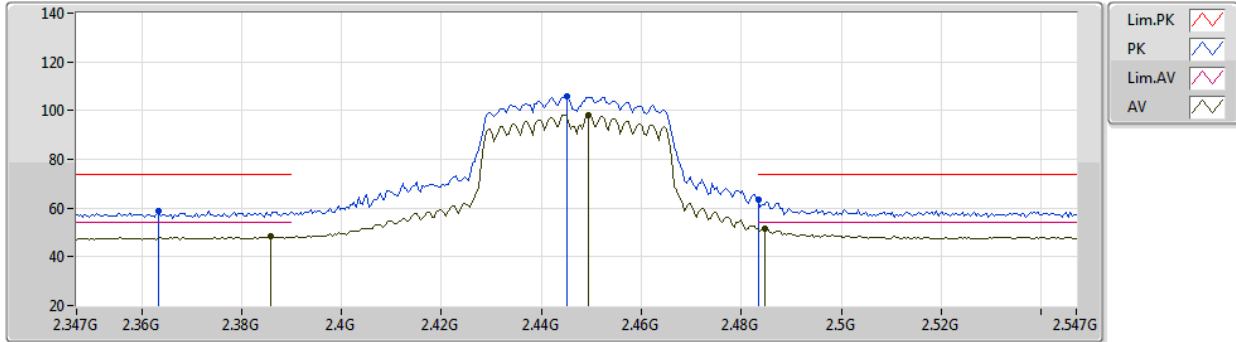
EUT Y_2TX
Setting 15
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3666G	58.90	74.00	-15.10	28.10	3	Vertical	38	1.18	-	27.53	3.27	-
AV	2.3806G	47.99	54.00	-6.01	17.19	3	Vertical	38	1.18	-	27.52	3.28	-
PK	2.4454G	106.27	Inf	-Inf	75.27	3	Vertical	38	1.18	-	27.68	3.32	-
AV	2.4454G	98.99	Inf	-Inf	67.99	3	Vertical	38	1.18	-	27.68	3.32	-
PK	2.485G	65.57	74.00	-8.43	34.39	3	Vertical	38	1.18	-	27.84	3.34	-
AV	2.4835G	53.91	54.00	-0.09	22.74	3	Vertical	38	1.18	-	27.83	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2447MHz_TX



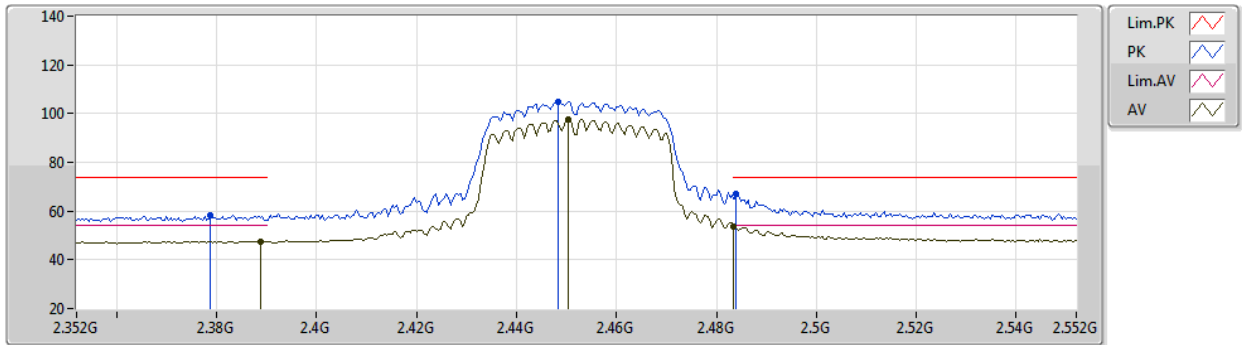
EUT Y_2TX
Setting 15
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3634G	58.76	74.00	-15.24	27.96	3	Horizontal	329	2.15	-	27.54	3.26	-
AV	2.3858G	48.44	54.00	-5.56	17.64	3	Horizontal	329	2.15	-	27.51	3.29	-
PK	2.445G	105.87	Inf	-Inf	74.87	3	Horizontal	329	2.15	-	27.68	3.32	-
AV	2.4494G	98.28	Inf	-Inf	67.26	3	Horizontal	329	2.15	-	27.70	3.32	-
PK	2.4835G	63.61	74.00	-10.39	32.44	3	Horizontal	329	2.15	-	27.83	3.34	-
AV	2.4846G	51.50	54.00	-2.50	20.32	3	Horizontal	329	2.15	-	27.84	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2452MHz_TX



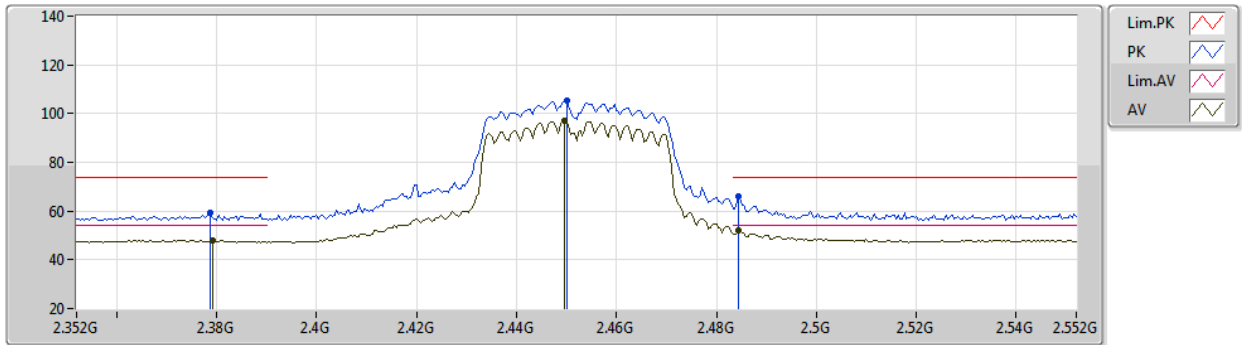
EUT Y_2TX
Setting 13
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3788G	58.38	74.00	-15.62	27.58	3	Vertical	24	1.15	-	27.52	3.28	-
AV	2.3888G	47.59	54.00	-6.41	16.79	3	Vertical	24	1.15	-	27.51	3.29	-
PK	2.4484G	105.02	Inf	-Inf	74.01	3	Vertical	24	1.15	-	27.69	3.32	-
AV	2.4504G	97.58	Inf	-Inf	66.55	3	Vertical	24	1.15	-	27.70	3.33	-
PK	2.484G	67.23	74.00	-6.77	36.05	3	Vertical	24	1.15	-	27.84	3.34	-
AV	2.4835G	53.79	54.00	-0.21	22.62	3	Vertical	24	1.15	-	27.83	3.34	-

802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2452MHz_TX



EUT Y_2TX
Setting 13
04-P-L-2

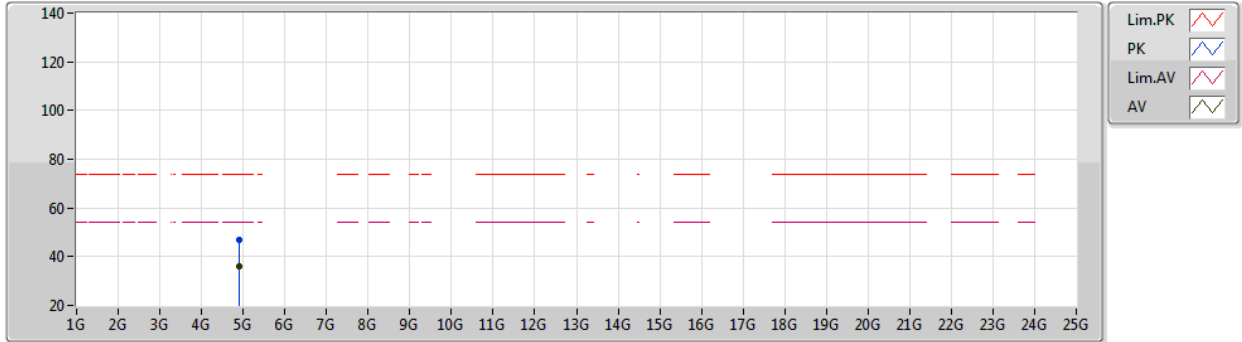
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3788G	59.25	74.00	-14.75	28.45	3	Horizontal	344	1.95	-	27.52	3.28	-
AV	2.3792G	47.99	54.00	-6.01	17.19	3	Horizontal	344	1.95	-	27.52	3.28	-
PK	2.45G	105.40	Inf	-Inf	74.37	3	Horizontal	344	1.95	-	27.70	3.33	-
AV	2.4496G	97.25	Inf	-Inf	66.23	3	Horizontal	344	1.95	-	27.70	3.32	-
PK	2.4844G	65.78	74.00	-8.22	34.60	3	Horizontal	344	1.95	-	27.84	3.34	-
AV	2.4844G	52.24	54.00	-1.76	21.06	3	Horizontal	344	1.95	-	27.84	3.34	-



802.11n HT40_Nss1,(MCS0)_2TX

25/08/2020

2452MHz_TX



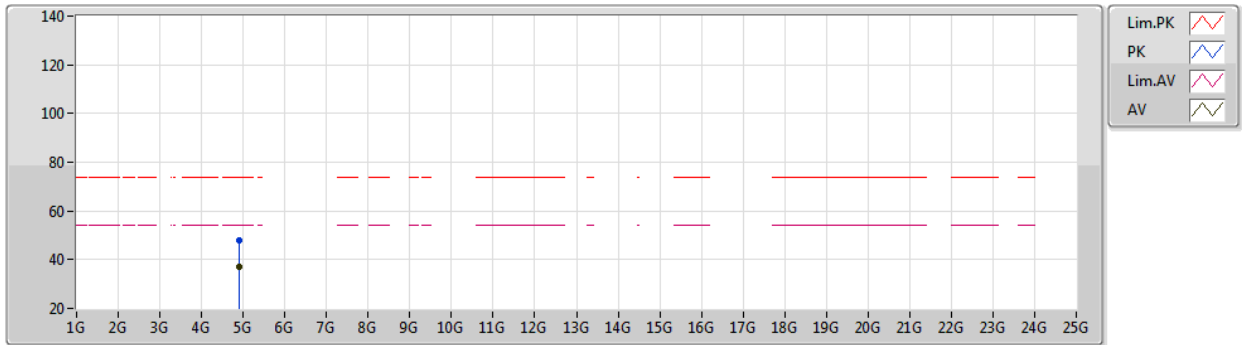
EUT Y_2TX
Setting 13
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.91498G	46.73	74.00	-27.27	41.79	3	Vertical	307	1.87	-	32.93	4.88	32.87
AV	4.9049G	35.92	54.00	-18.08	31.01	3	Vertical	307	1.87	-	32.91	4.87	32.87

802.11n HT40_Nss1,(MCS0)_2TX

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EUT Y_2TX
Setting 13
04-P-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9076G	48.17	74.00	-25.83	43.25	3	Horizontal	281	2.06	-	32.92	4.87	32.87
AV	4.90454G	36.82	54.00	-17.18	31.91	3	Horizontal	281	2.06	-	32.91	4.87	32.87