




FCC RADIO TEST REPORT

FCC ID : RI7WE310F5
Equipment : 802.11 b/g/n WiFi Module+BT combo module
Brand Name : Telit
Model Name : WE310F5-I; WE310F5-P
Applicant : TELIT COMMUNICATIONS S.P.A.
VIA STAZIONE DI PROSECCO 5B - SGONICO
-TRIESTE - ITALY
Manufacturer : TELIT COMMUNICATIONS S.P.A.
VIA STAZIONE DI PROSECCO 5B - SGONICO
-TRIESTE - ITALY
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 12, 2020, and testing was started from Nov. 26, 2020 and completed on Dec. 14, 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
FRON1118AA	01	Initial issue of report	Jan. 18, 2021



Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. 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: **Viola Huang**



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	1
2.4-2.4835GHz	802.11g	20	1
2.4-2.4835GHz	802.11n HT20	20	1
2.4-2.4835GHz	802.11n HT40	40	1

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	AMO	ALA321C3	Chip	N/A	2.3
2	1	TAOGLAS	GW.11.A113	Dipole	N/A	2.3

Note: The above information was declared by manufacturer.

<For 2.4GHz Band>

For IEEE 802.11b/g/n mode (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

<For Bluetooth>

For bluetooth (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.936	0.29	2.065m	1k
802.11n HT20	0.94	0.27	1.921m	1k
802.11n HT40	0.871	0.6	946.25u	3k

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From host system		
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	PuTTY_0.62、UI_mptool_2V2		

Note: The above information was declared by manufacturer.



1.1.5 Table for Multiple Listing

The EUT has two model names which are identical to each other in all aspects except for the following table:

EUT No.	Model Name	Description	Remark
1	WE310F5-I	Interated antenna variant (SMD)	Equip with ant.1
2	WE310F5-P	Without antenna-Expose RF pad (Dipole antenna)	Equip with ant.2

Note 1: The above information was declared by manufacturer.

Note 2: The EUT 2 was performed testing for all items.

The EUT 1 was performed testing for AC Power-line Conducted Emissions and Emissions in Restricted Frequency Bands measurement.

1.1.6 EUT Support Function

The EUT supports AP/client functions, only the client function was tested by manufacturer request.



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 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, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.) TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH02-CB	Caster Chang	22.2~23.1°C / 56~57%	Nov. 30, 2020~Dec. 14, 2020
Radiated below 1GHz	03CH04-CB	Kevin Huang	24.4~25.2°C / 56~58%	Dec. 15, 2020~Dec. 16, 2020
Radiated above 1GHz	03CH01-CB	KJ Chang	24.4~25.2°C / 56~58%	Nov. 26, 2020~Nov. 30, 2020
	03CH06-CB	KJ Chang	23.9~24.8°C / 57~59%	Nov. 26, 2020~Nov. 30, 2020
AC Conduction	CO01-CB	Peter Wu	22~23°C / 60~61%	Dec. 09, 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 (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 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	0.4%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	Default
2437MHz	Default
2462MHz	Default
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	Default
2417MHz	Default
2437MHz	Default
2457MHz	Default
2462MHz	Default
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	Default
2417MHz	Default
2437MHz	Default
2457MHz	Default
2462MHz	Default
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	Default
2427MHz	Default
2437MHz	Default
2452MHz	Default



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	Normal Link - EUT 1 in Z axis_Bluetooth
2	Normal Link - EUT 1 in Z axis_WLAN 2.4GHz
3	Normal Link - EUT 2 in Z axis_Bluetooth
4	Normal Link - EUT 2 in Z axis_WLAN 2.4GHz
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT 2_WLAN 2.4GHz

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	Normal Link
1	Normal Link - EUT 1 in Z axis_Bluetooth
2	Normal Link - EUT 1 in Z axis_WLAN 2.4GHz
3	Normal Link - EUT 2 in Z axis_Bluetooth
4	Normal Link - EUT 2 in Z axis_WLAN 2.4GHz
For operating mode 2 is the worst case and it was record in this test report.	



Operating Mode > 1GHz	CTX
	The EUT 1~EUT 2 were performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, the EUT 1 worst case was found at Z axis and EUT 2 was case found at X axis. So the measurement will follow this same test configuration.
1	EUT 1 in Z axis_WLAN 2.4GHz
2	EUT 2 in X axis_WLAN 2.4GHz

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	Fixture	Telit	CS2106B	N/A
B	NB	DELL	E6430	N/A
C	Earphone	e-Power	S90W	N/A
D	Mouse	HP	FM100	N/A
E	AP Router	ASUS	RP-N53	MSQ-RPN53
F	AP NB	DELL	E6430	N/A

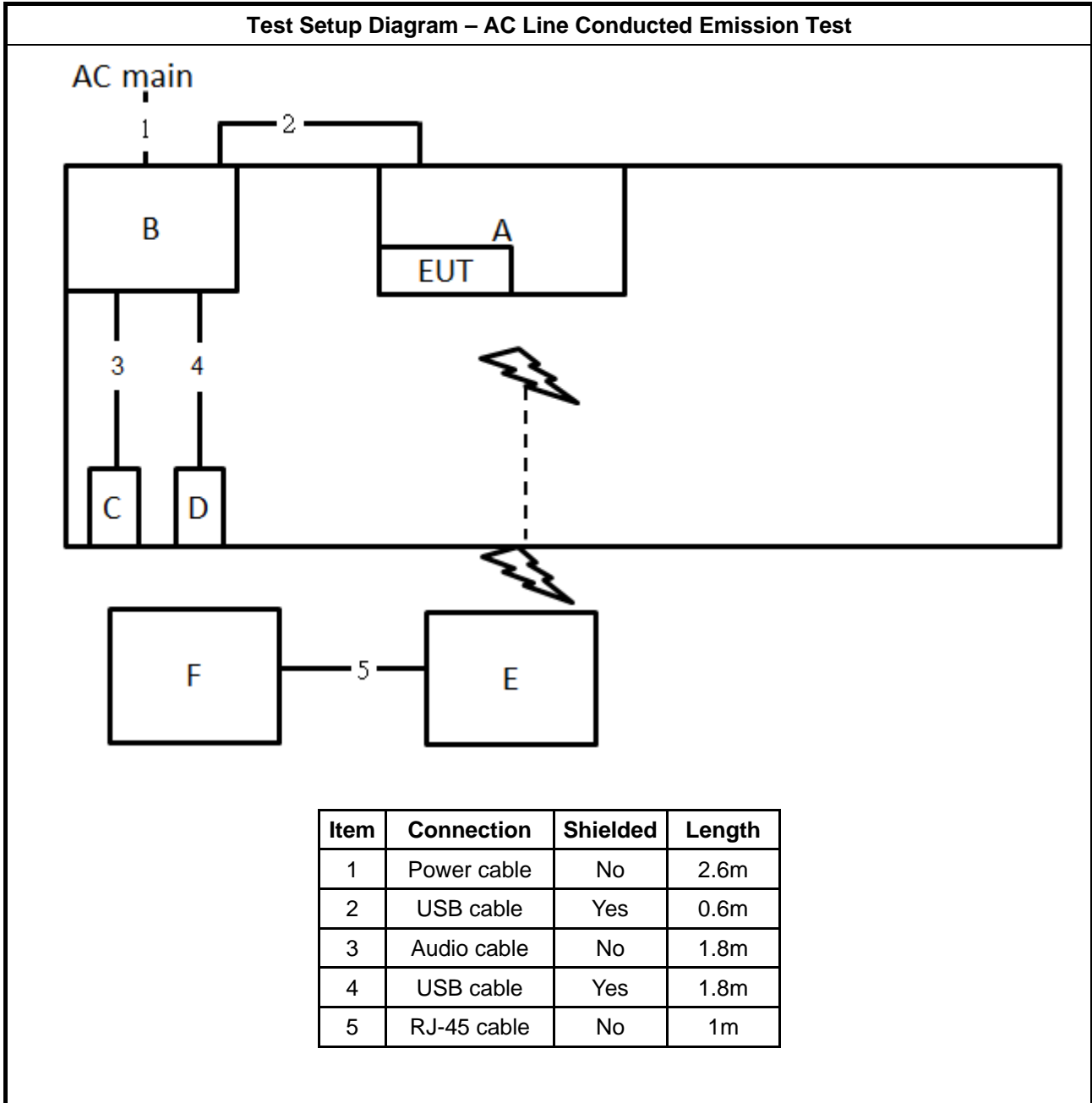
For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	WLAN AP	D-LINK	DIR860L	KA2IR860LA1
C	NB	DELL	E4300	N/A
D	Earphone	e-Power	S90W	N/A
E	Mouse	Logitech	M-U0026	N/A
F	Fixture	Telit	CS2106B	N/A

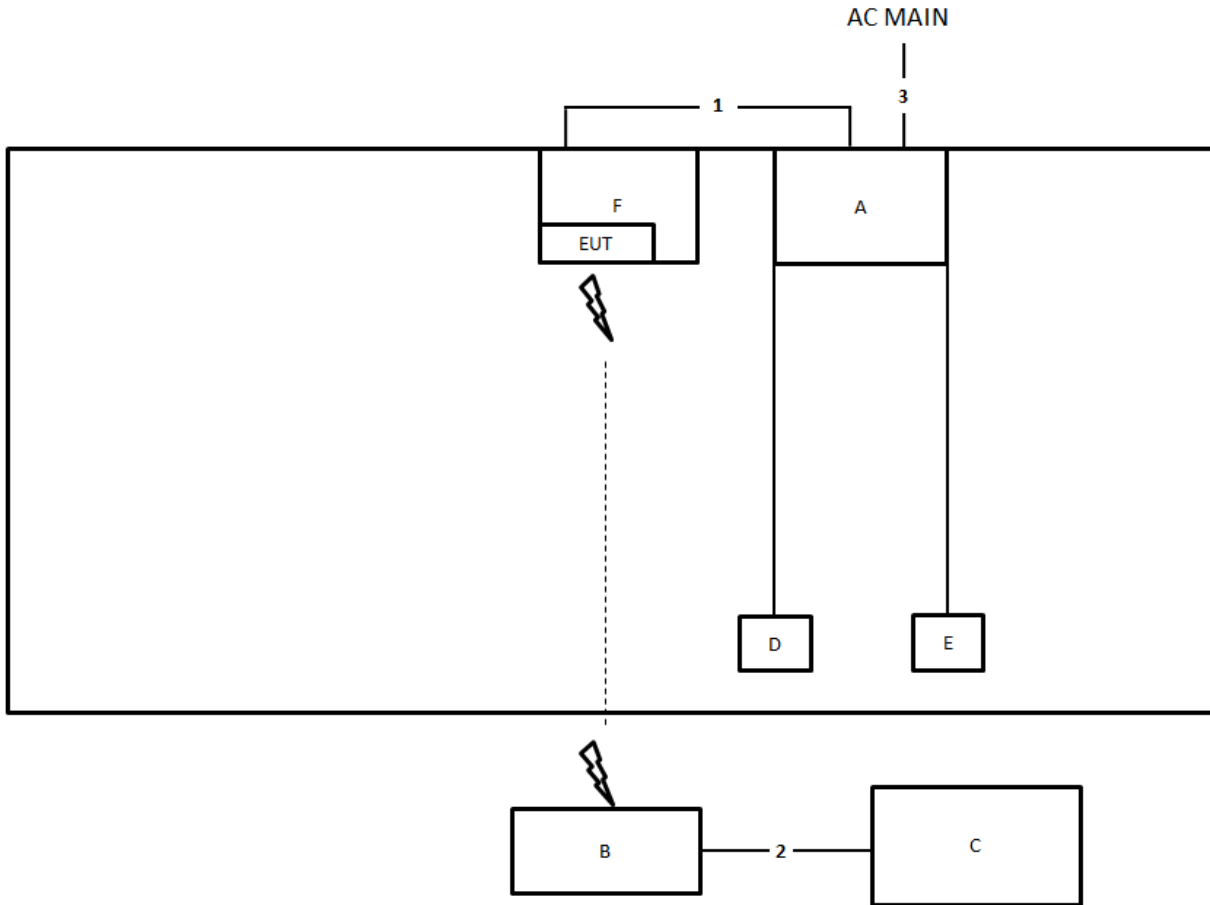
For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	Telit	CS2106B	N/A

2.6 Test Setup Diagram



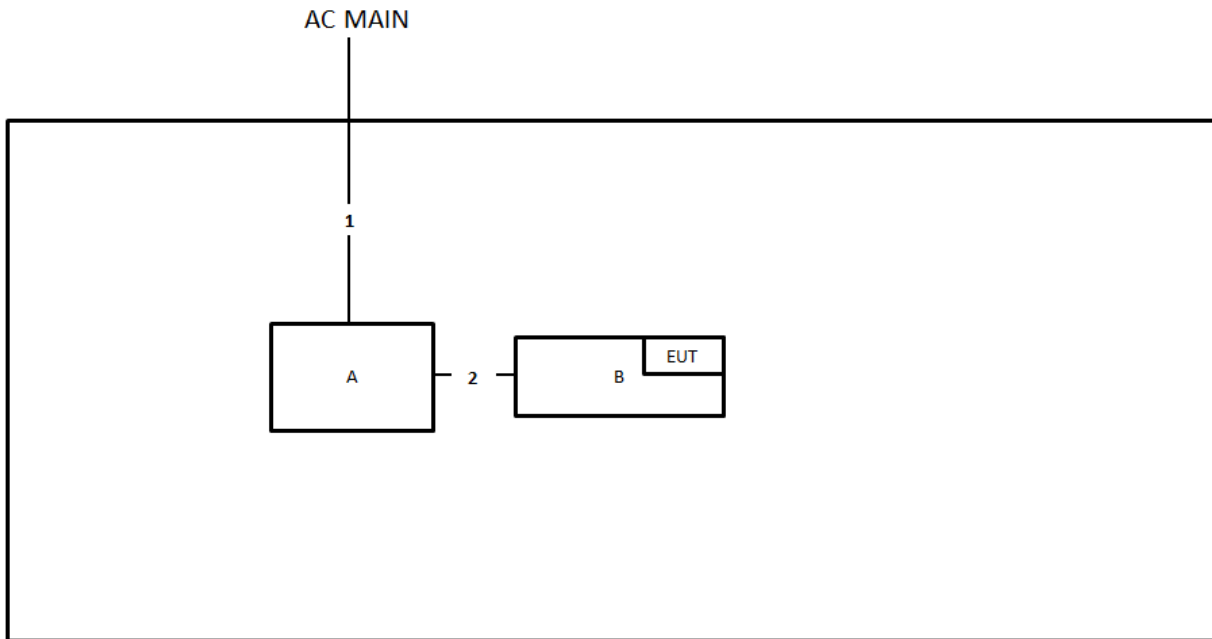
Test Setup Diagram - Radiated Test < 1GHz



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



Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	USB cable	No	1m



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.

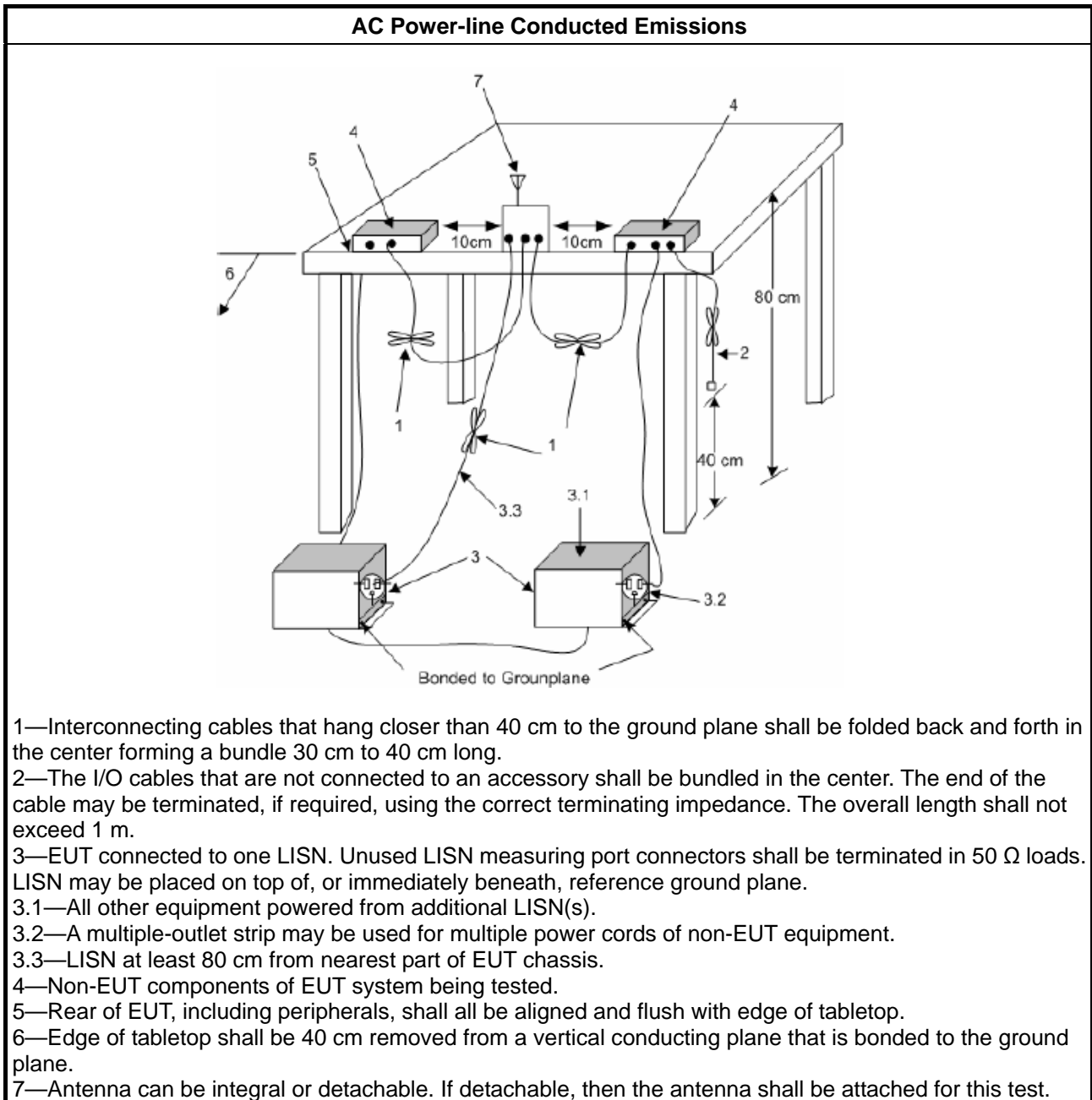
3.1.2 Measuring Instruments

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.

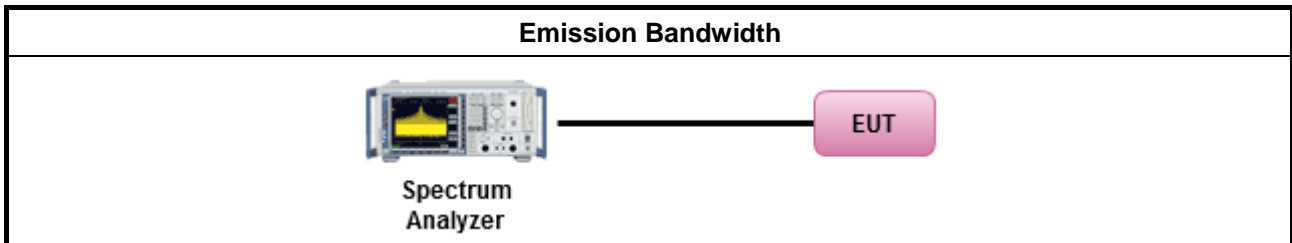
3.2.2 Measuring Instruments

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

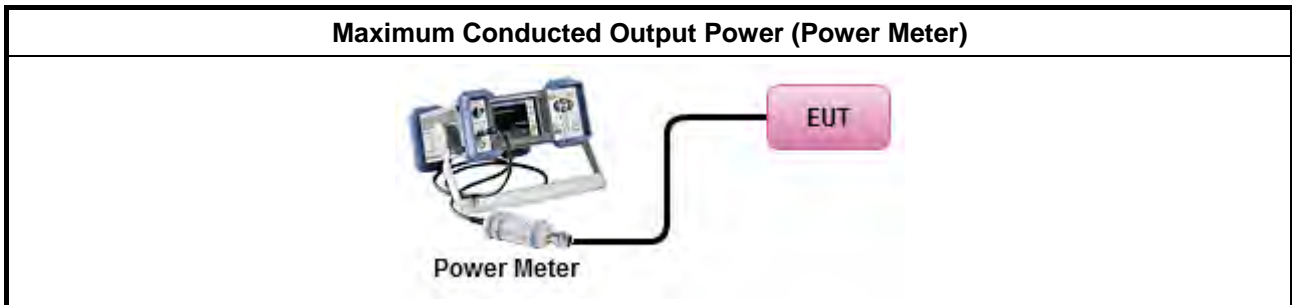
Refer a test equipment and calibration data table in this test report.



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

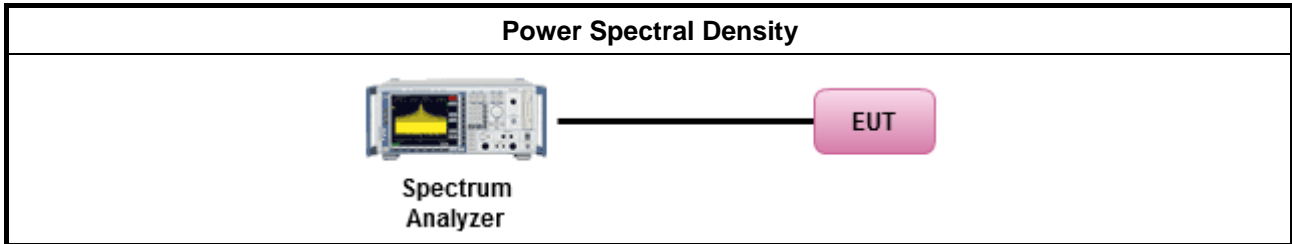
3.4.2 Measuring Instruments

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 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 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 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.

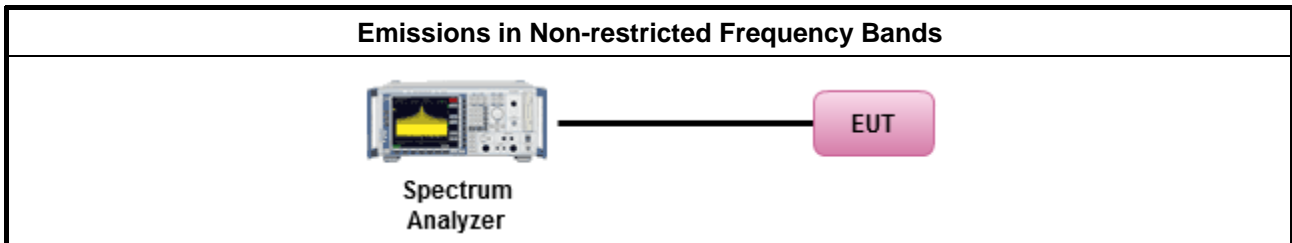
3.5.2 Measuring Instruments

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

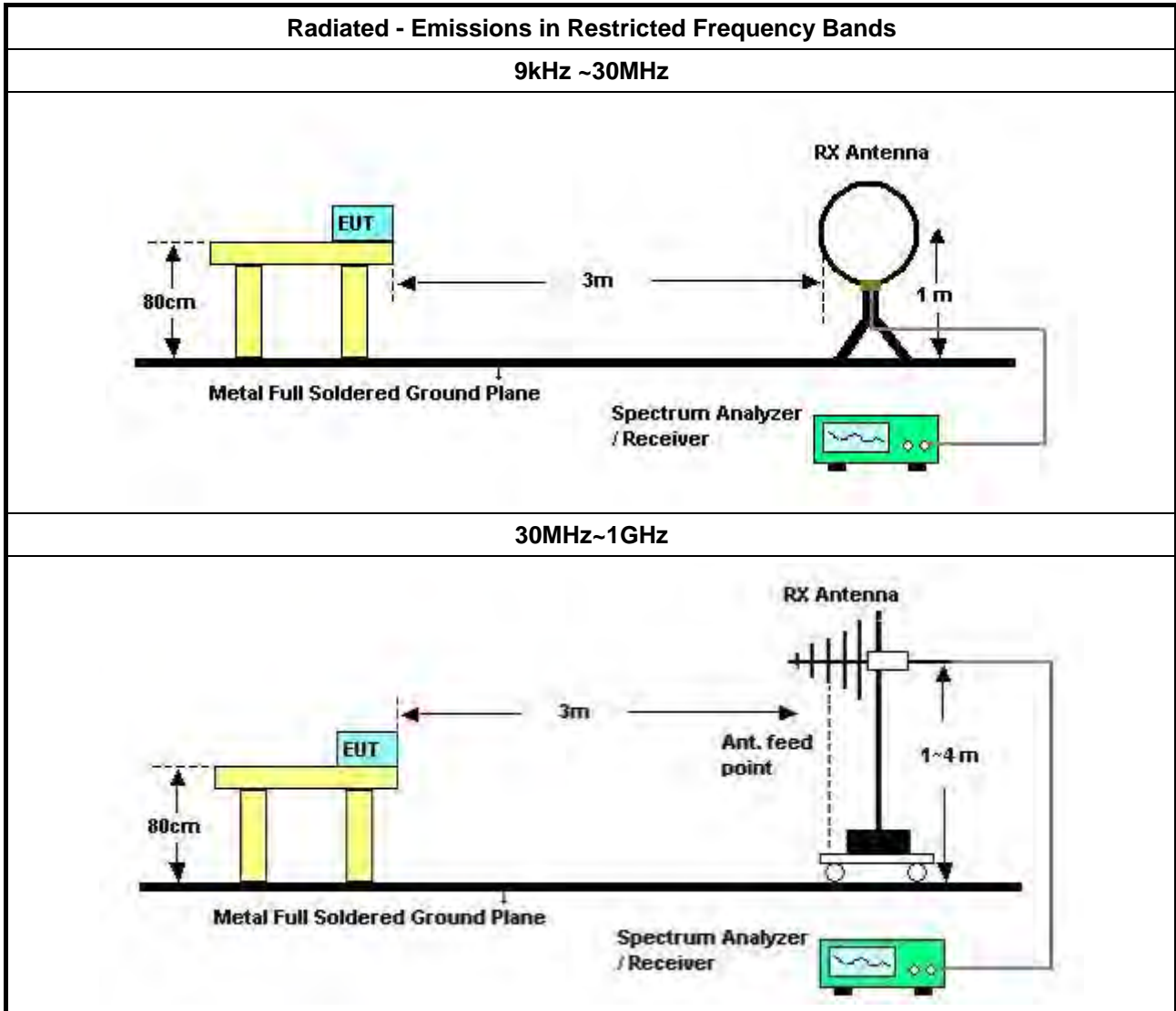
Refer a test equipment and calibration data table in this test report.

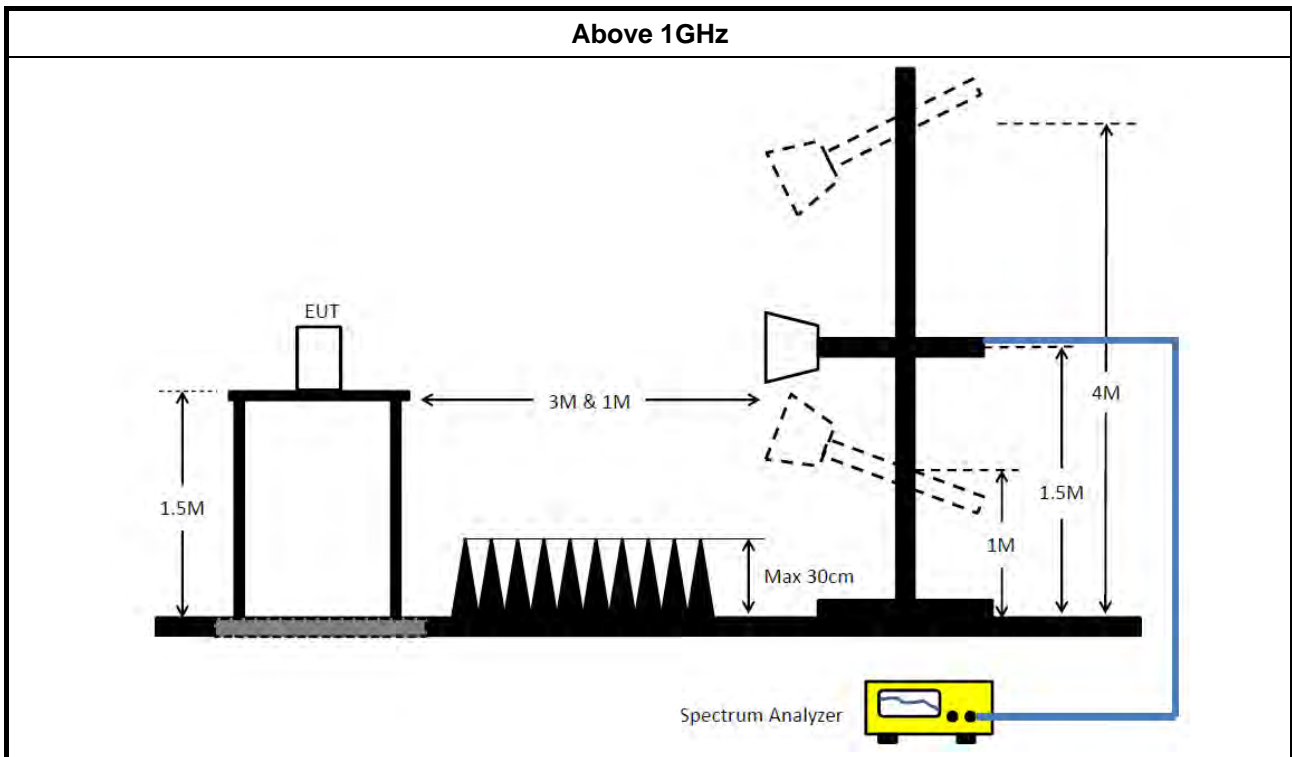


3.6.3 Test Procedures

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. <ul style="list-style-type: none"> <input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq98%). <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\geq1/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. Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements. Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz). 	
<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: <ol style="list-style-type: none"> Measure and sum the spectra across the outputs or Measure and add 10 log(N) dB For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. 	

3.6.4 Test Setup





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	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-5 0-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 08, 2020	Aug. 07, 2021	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 11, 2020	Oct. 10, 2021	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 21, 2020	May 20, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 29, 2020	May 28, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2020	Jan. 07, 2021	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 27, 2020	Jul. 26, 2021	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 17, 2020	Sep. 16, 2021	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 17, 2020	Sep. 16, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

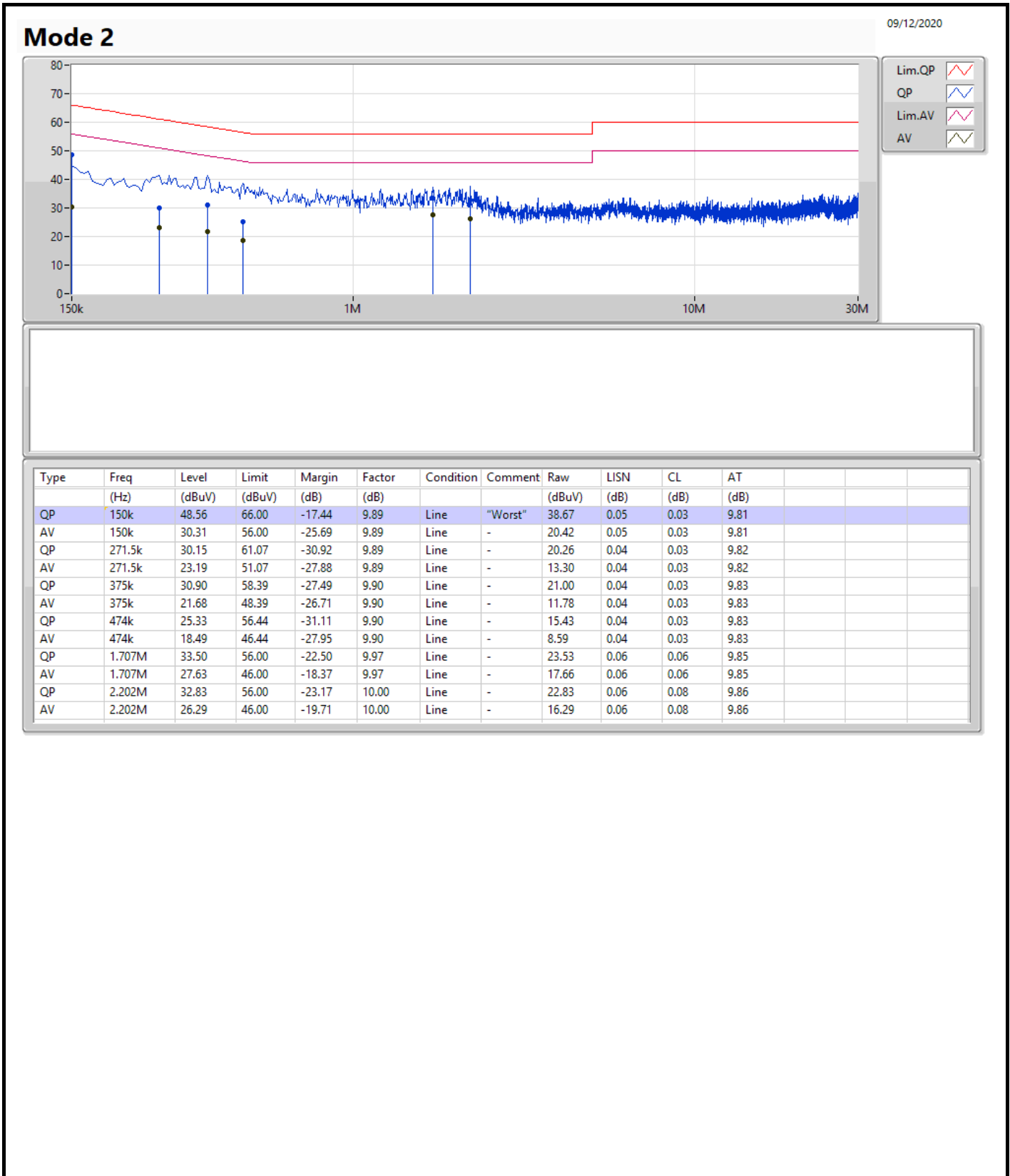
Note: Calibration Interval of instruments listed above is one year.

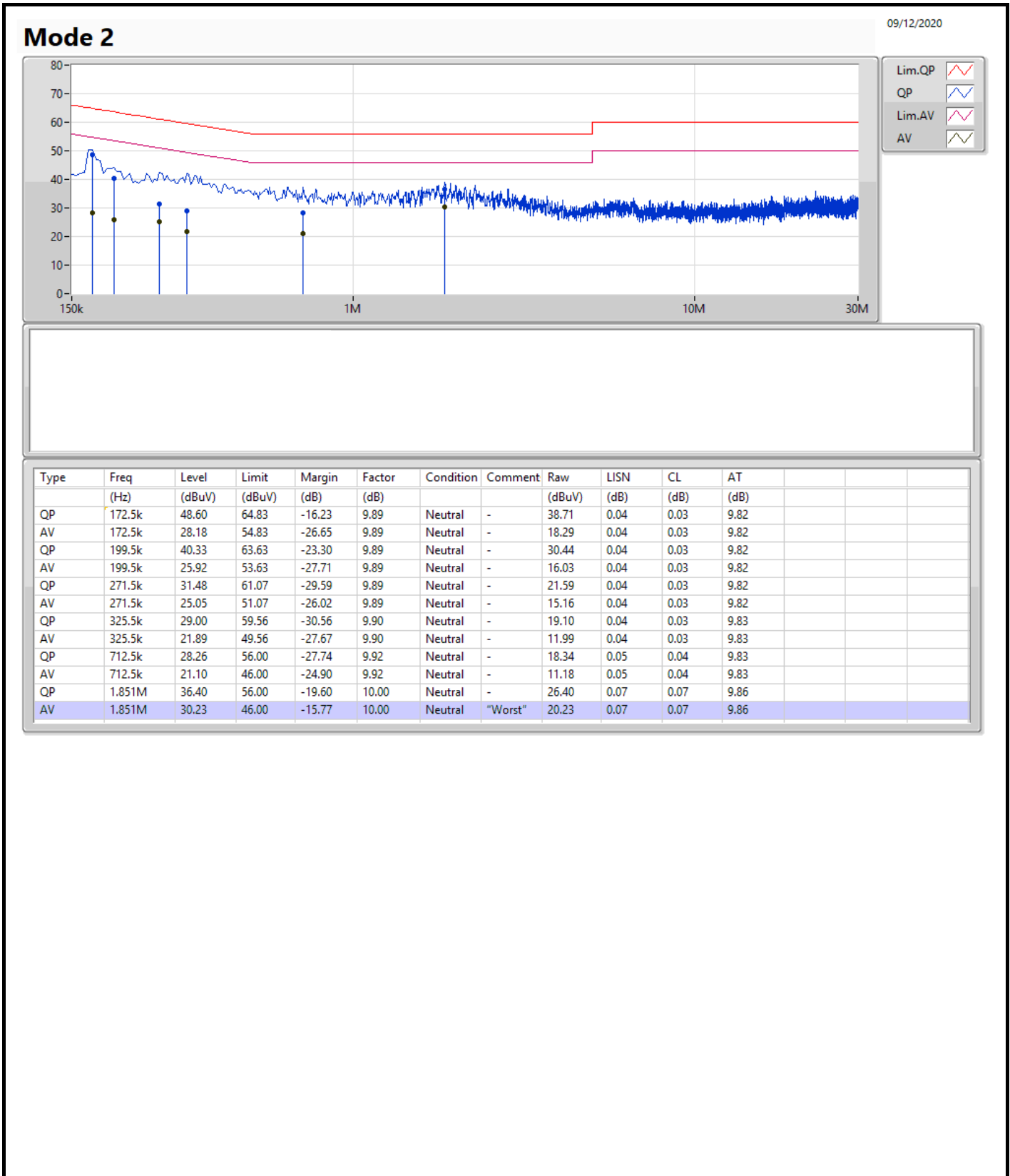
N.C.R. means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	1.851M	30.23	46.00	-15.77	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)_1TX	10.025M	14.743M	14M7G1D	9.05M	14.718M
802.11g_Nss1,(6Mbps)_1TX	16.325M	16.692M	16M7D1D	16.275M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX	17.25M	17.816M	17M8D1D	17.075M	17.716M
802.11n HT40_Nss1,(MCS0)_1TX	35.5M	35.832M	35M8D1D	35.05M	35.782M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.025M	14.743M
2437MHz	Pass	500k	9.5M	14.718M
2462MHz	Pass	500k	9.05M	14.718M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.667M
2437MHz	Pass	500k	16.325M	16.692M
2462MHz	Pass	500k	16.275M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.25M	17.716M
2437MHz	Pass	500k	17.075M	17.766M
2462MHz	Pass	500k	17.25M	17.816M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.05M	35.782M
2437MHz	Pass	500k	35.5M	35.782M
2452MHz	Pass	500k	35.25M	35.832M

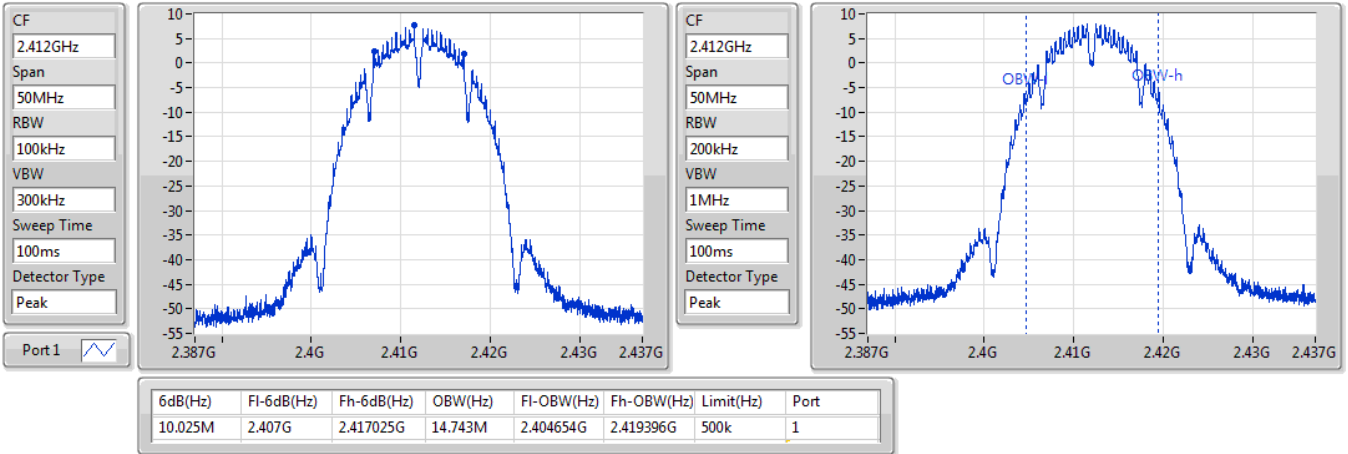
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

30/11/2020

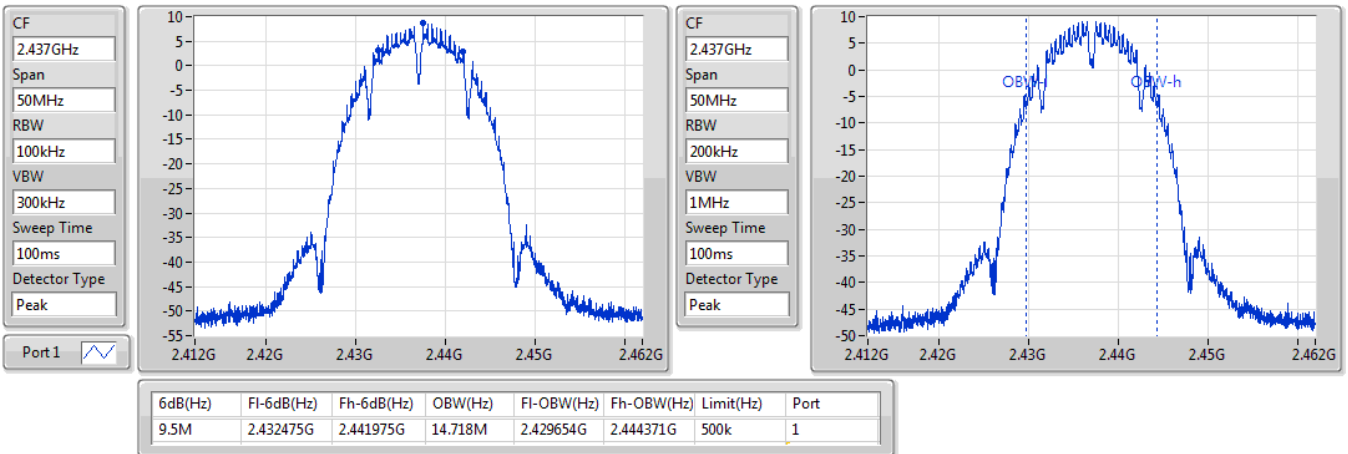


802.11b_Nss1,(1Mbps)_1TX

EBW

2437MHz

30/11/2020



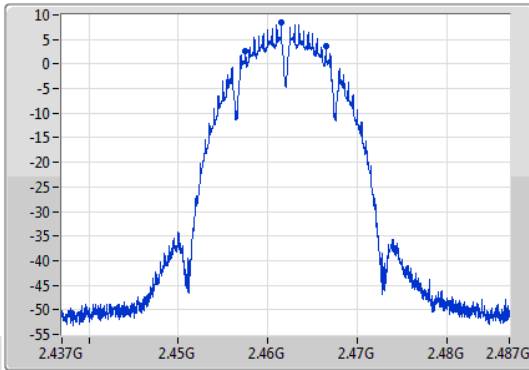
802.11b_Nss1,(1Mbps)_1TX

EBW

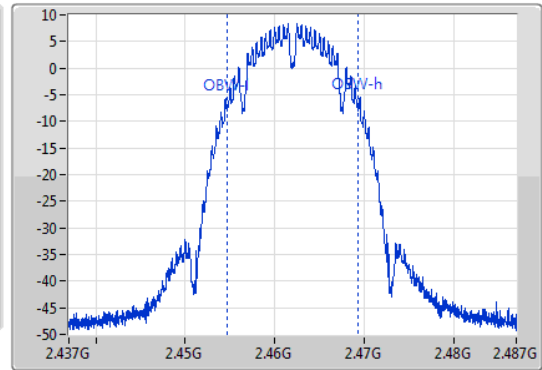
2462MHz

30/11/2020

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak
Port 1



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
9.05M	2.457475G	2.466525G	14.718M	2.454654G	2.469371G	500k	1

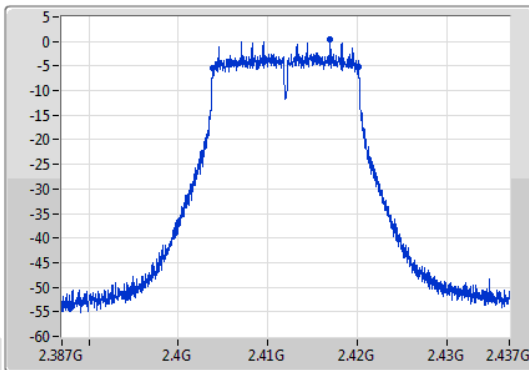
802.11g_Nss1,(6Mbps)_1TX

EBW

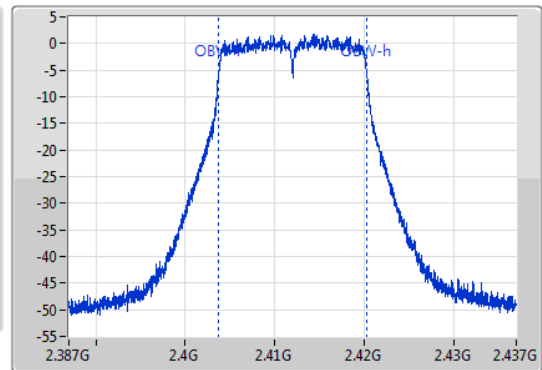
2412MHz

30/11/2020

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak
Port 1



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



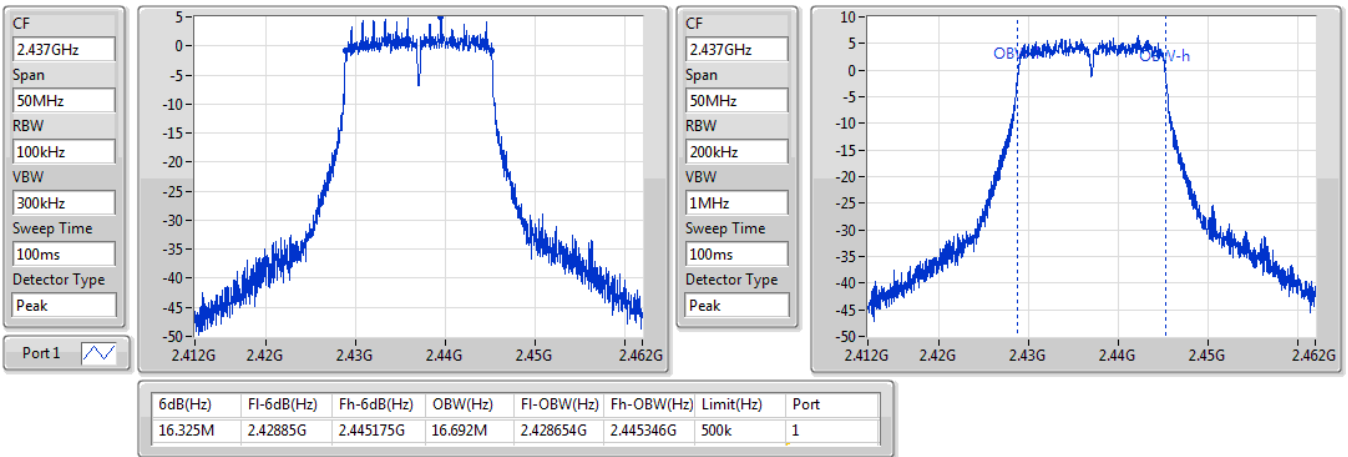
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.40385G	2.420175G	16.667M	2.403679G	2.420346G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2437MHz

30/11/2020

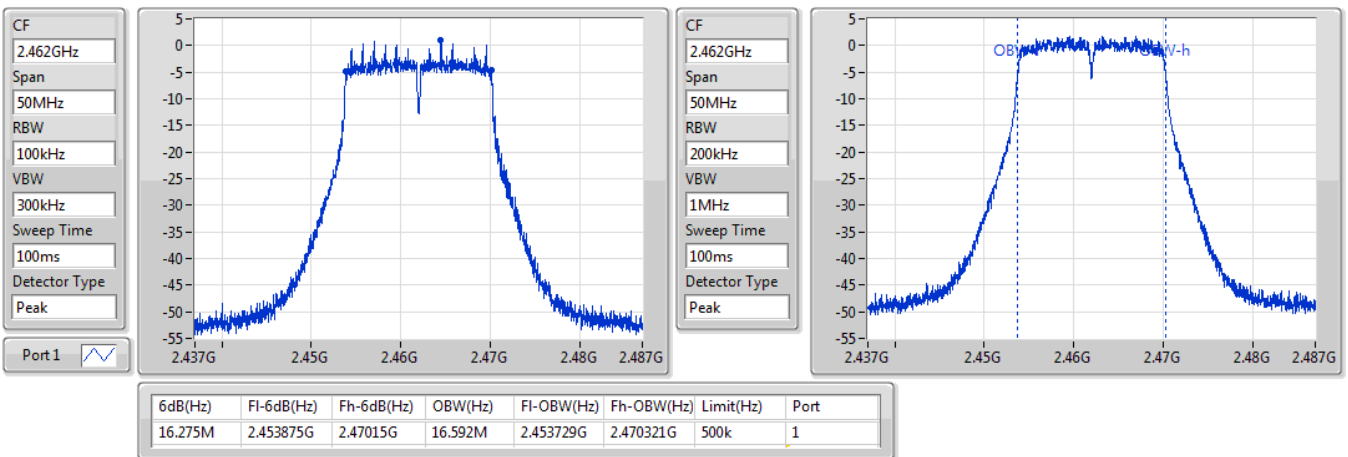


802.11g_Nss1,(6Mbps)_1TX

EBW

2462MHz

30/11/2020

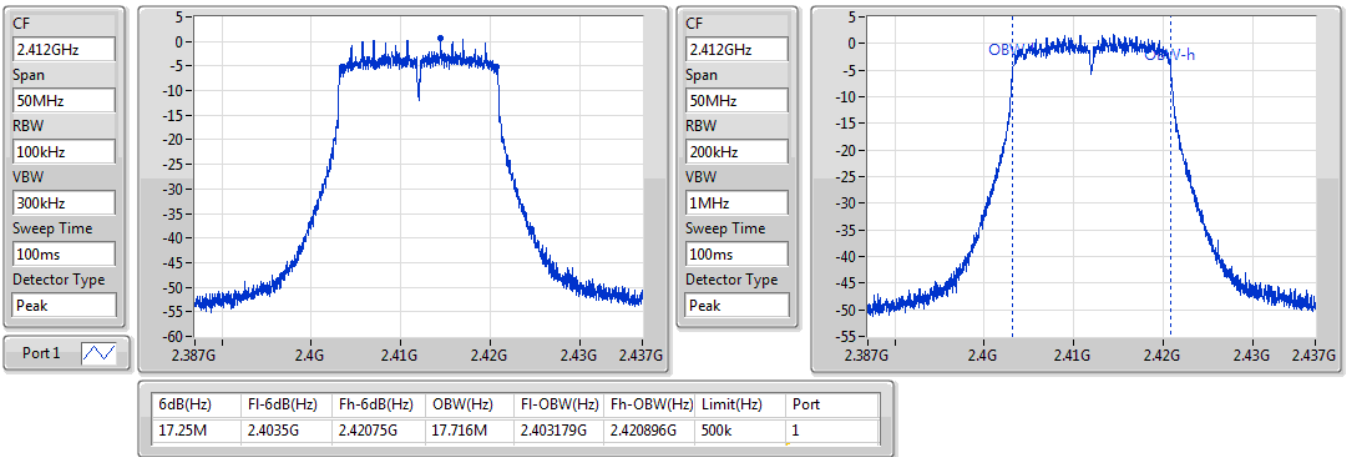


802.11n HT20_Nss1,(MCS0)_1TX

EBW

2412MHz

30/11/2020

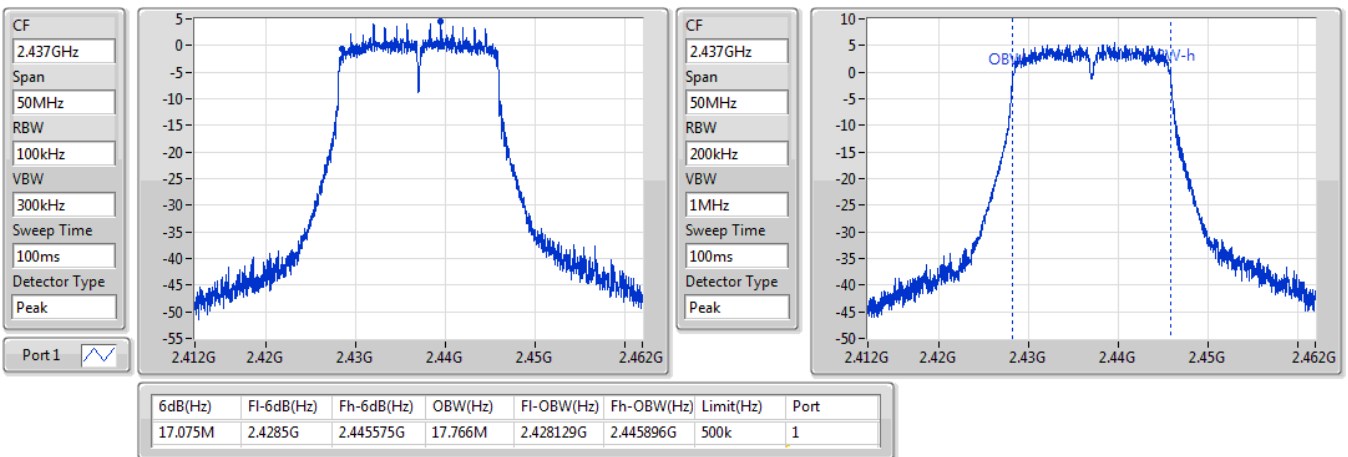


802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

30/11/2020

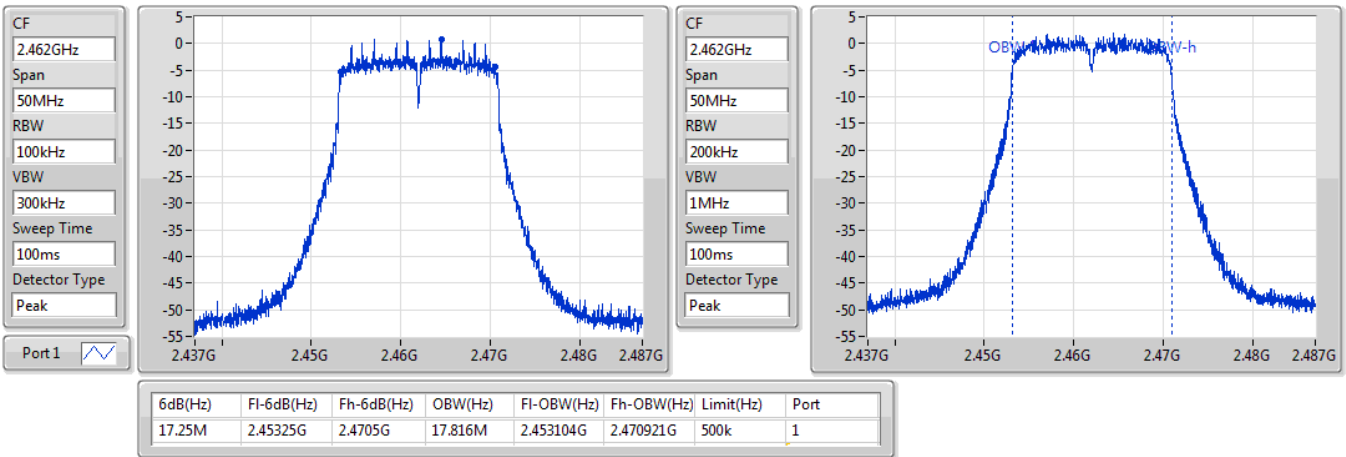


802.11n HT20_Nss1,(MCS0)_1TX

EBW

2462MHz

30/11/2020

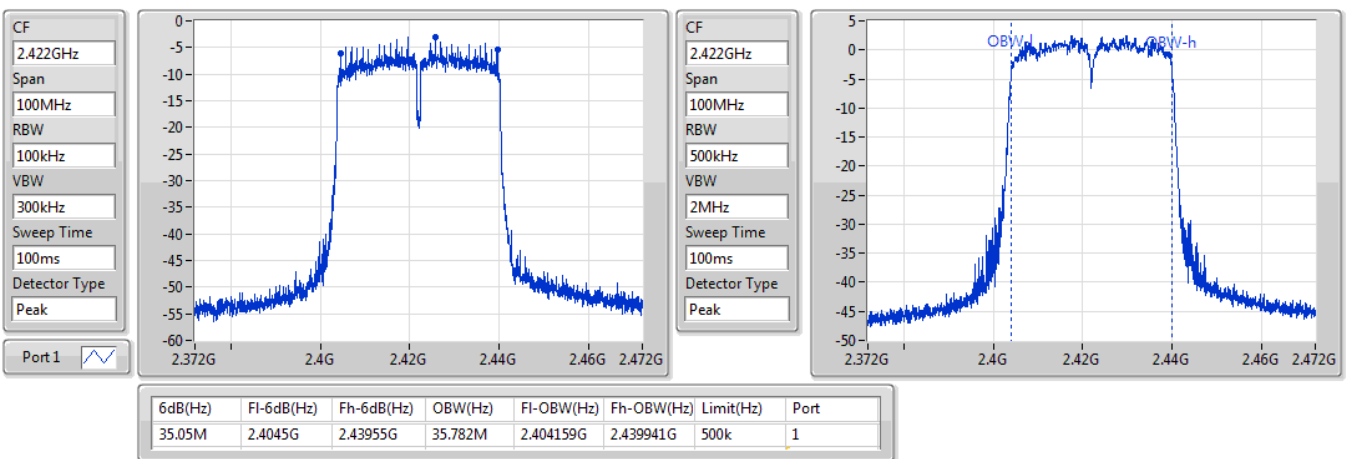


802.11n HT40_Nss1,(MCS0)_1TX

EBW

2422MHz

30/11/2020

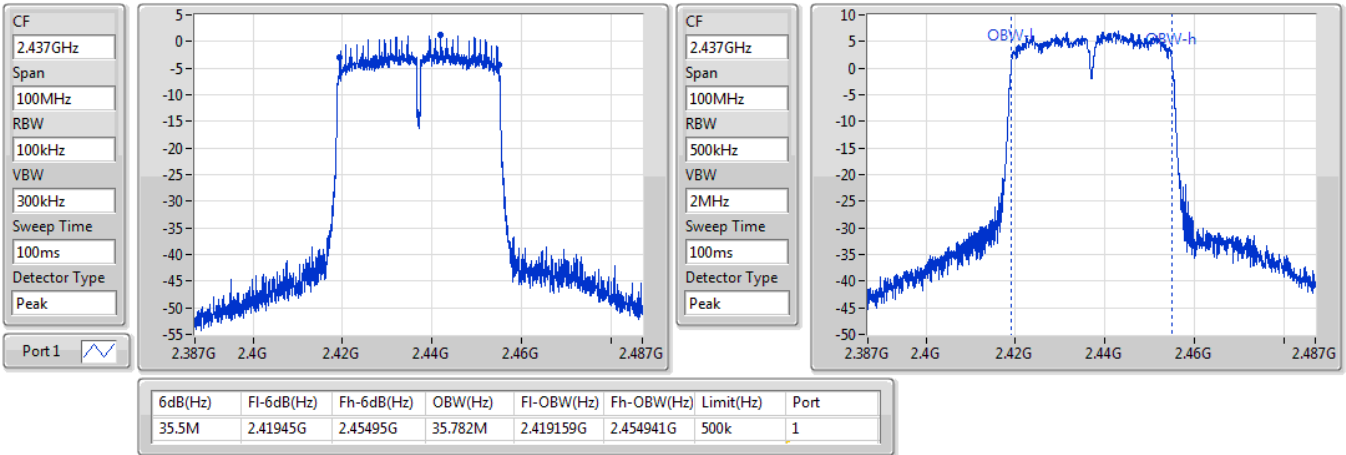


802.11n HT40_Nss1,(MCS0)_1TX

EBW

2437MHz

30/11/2020

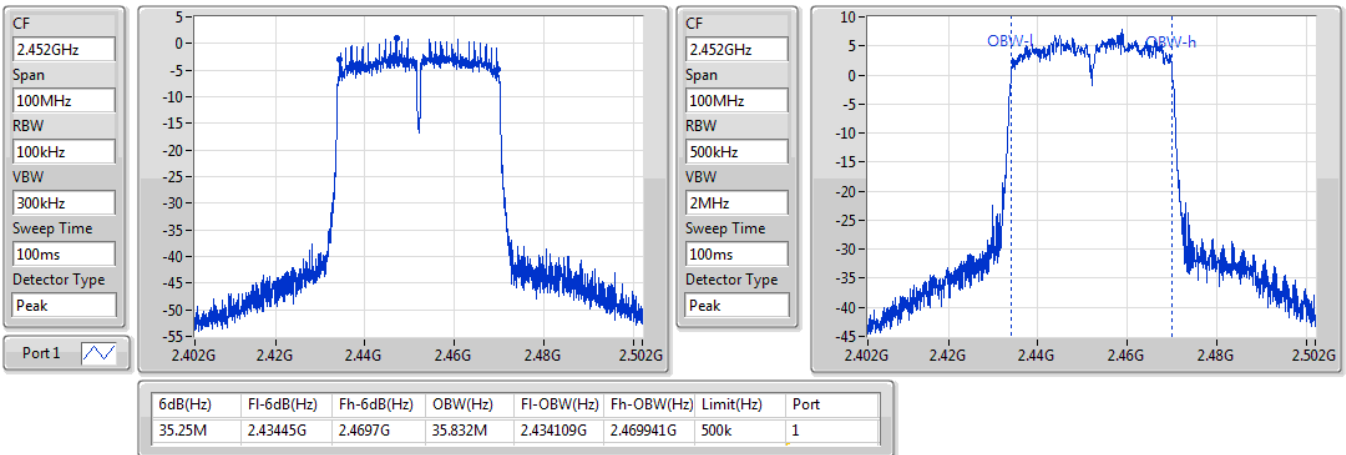


802.11n HT40_Nss1,(MCS0)_1TX

EBW

2452MHz

30/11/2020





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	17.34	0.05420
802.11g_Nss1,(6Mbps)_1TX	16.24	0.04207
802.11n HT20_Nss1,(MCS0)_1TX	15.75	0.03758
802.11n HT40_Nss1,(MCS0)_1TX	15.27	0.03365



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	16.54	16.54	30.00
2437MHz	Pass	2.30	17.34	17.34	30.00
2462MHz	Pass	2.30	16.86	16.86	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	11.90	11.90	30.00
2417MHz	Pass	2.30	13.91	13.91	30.00
2437MHz	Pass	2.30	16.24	16.24	30.00
2457MHz	Pass	2.30	13.87	13.87	30.00
2462MHz	Pass	2.30	12.16	12.16	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	11.91	11.91	30.00
2417MHz	Pass	2.30	13.84	13.84	30.00
2437MHz	Pass	2.30	15.75	15.75	30.00
2457MHz	Pass	2.30	13.71	13.71	30.00
2462MHz	Pass	2.30	12.05	12.05	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.30	10.90	10.90	30.00
2427MHz	Pass	2.30	11.84	11.84	30.00
2437MHz	Pass	2.30	15.27	15.27	30.00
2452MHz	Pass	2.30	15.03	15.03	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-5.45
802.11g_Nss1,(6Mbps)_1TX	-9.09
802.11n HT20_Nss1,(MCS0)_1TX	-9.24
802.11n HT40_Nss1,(MCS0)_1TX	-13.30

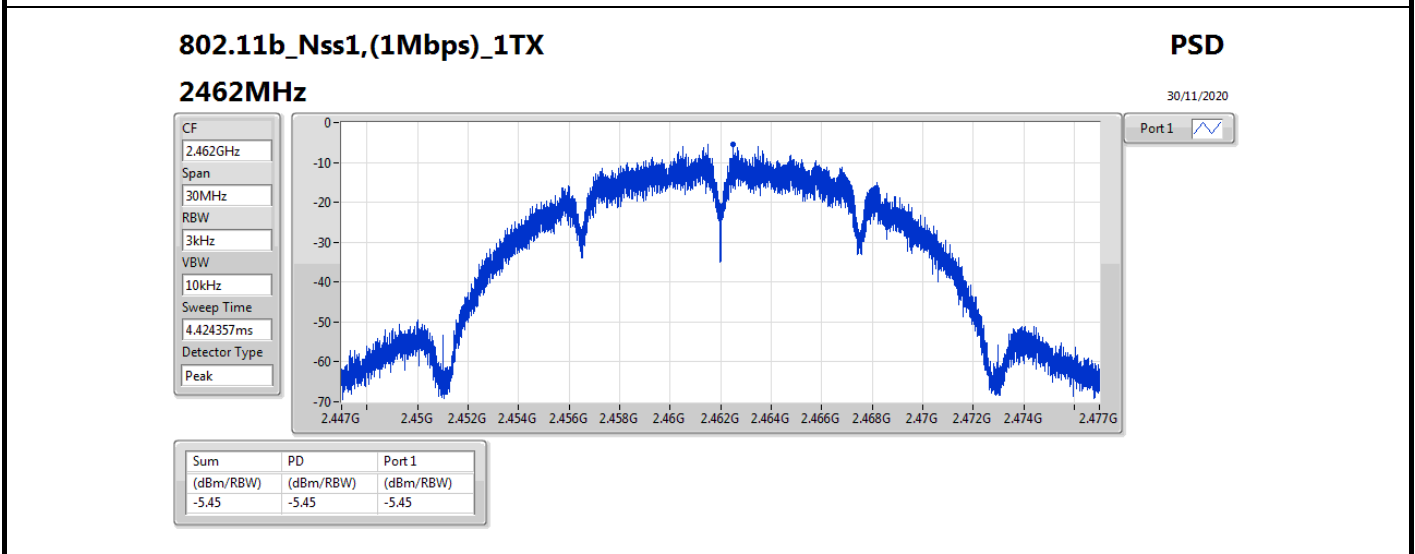
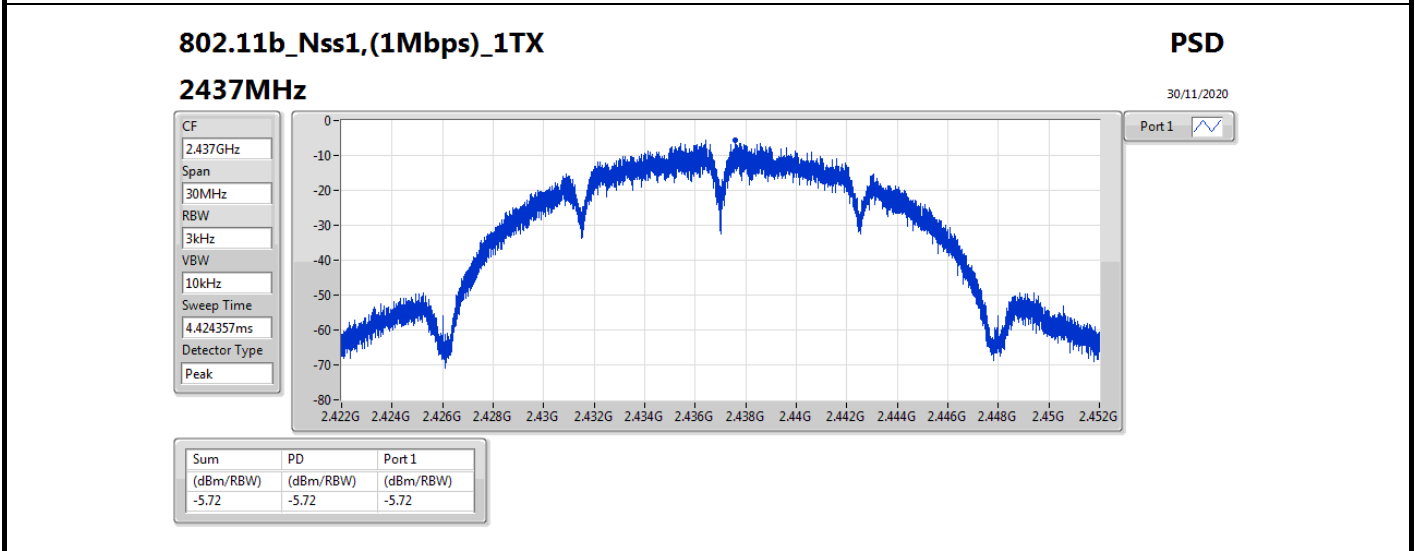
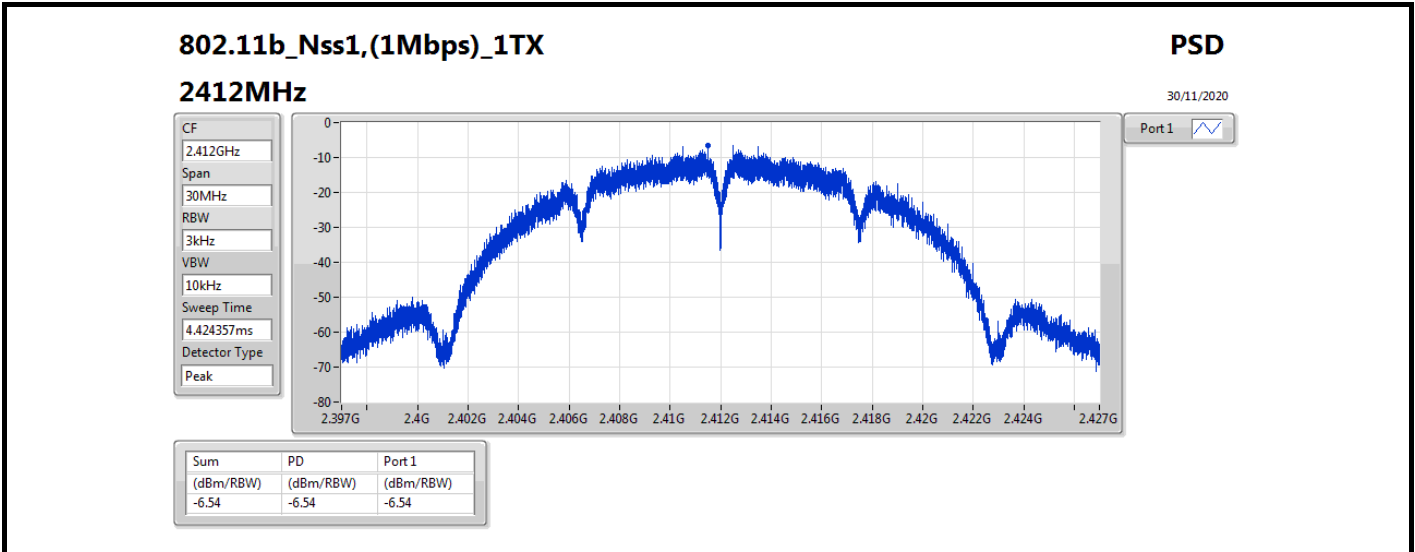
RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

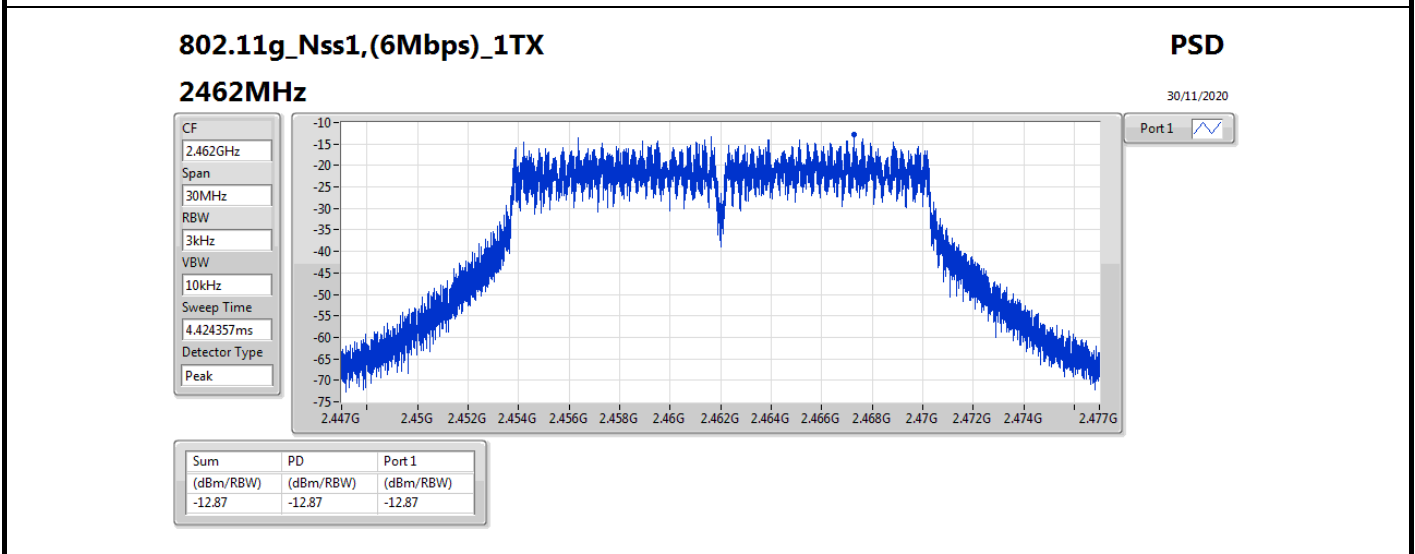
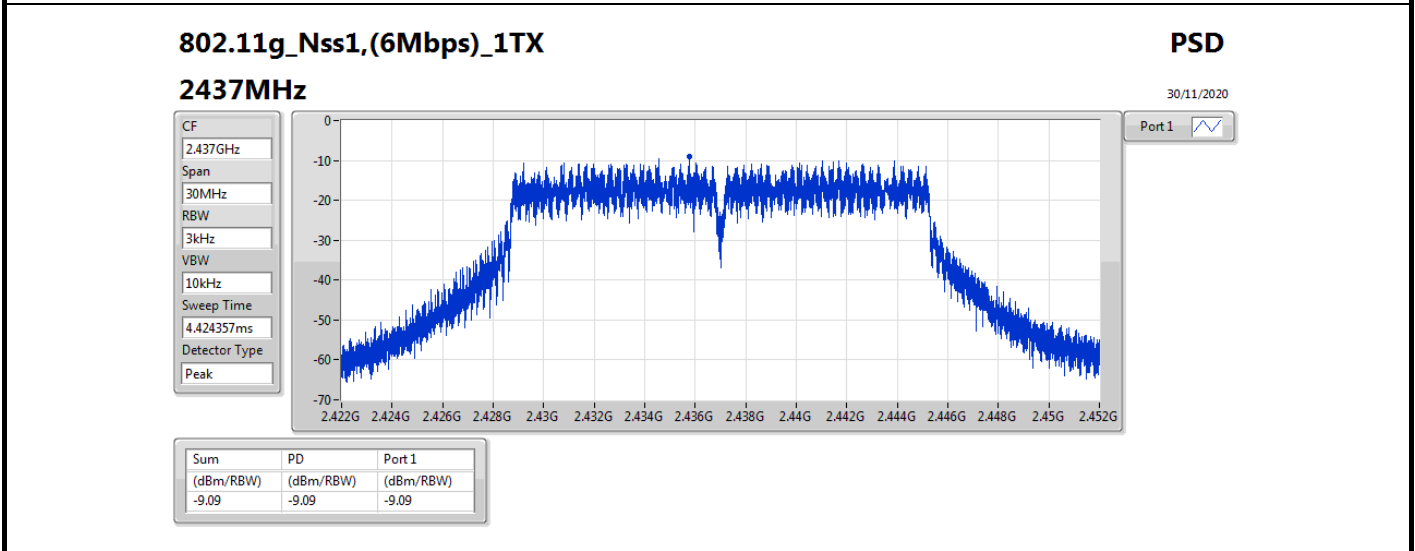
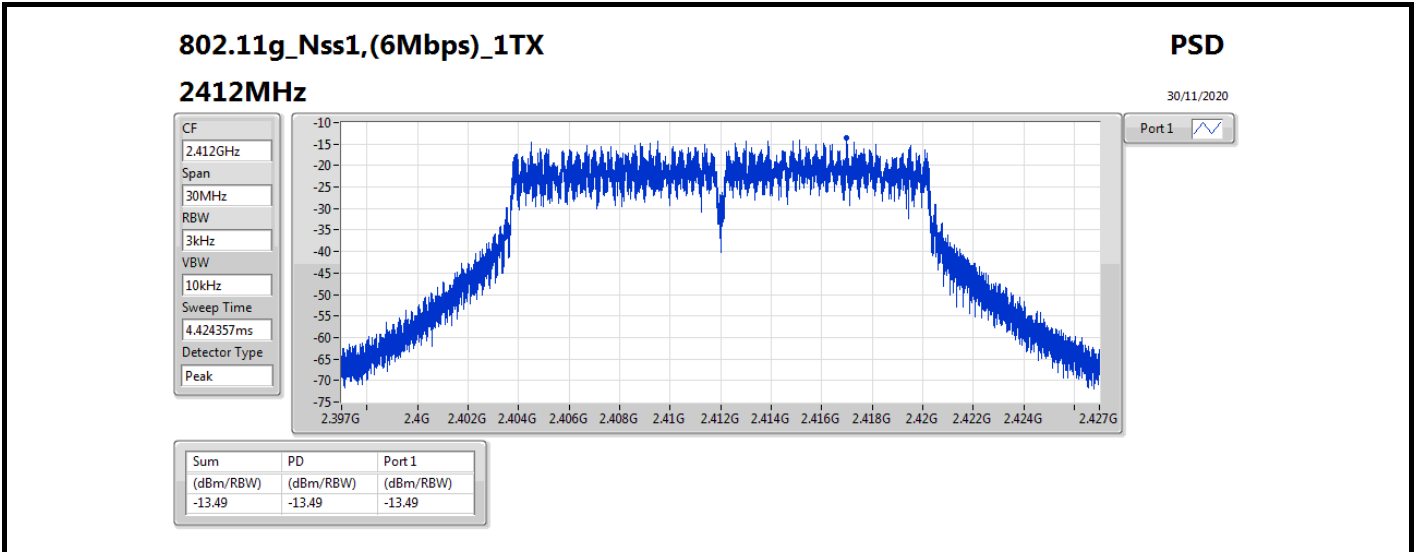
Result

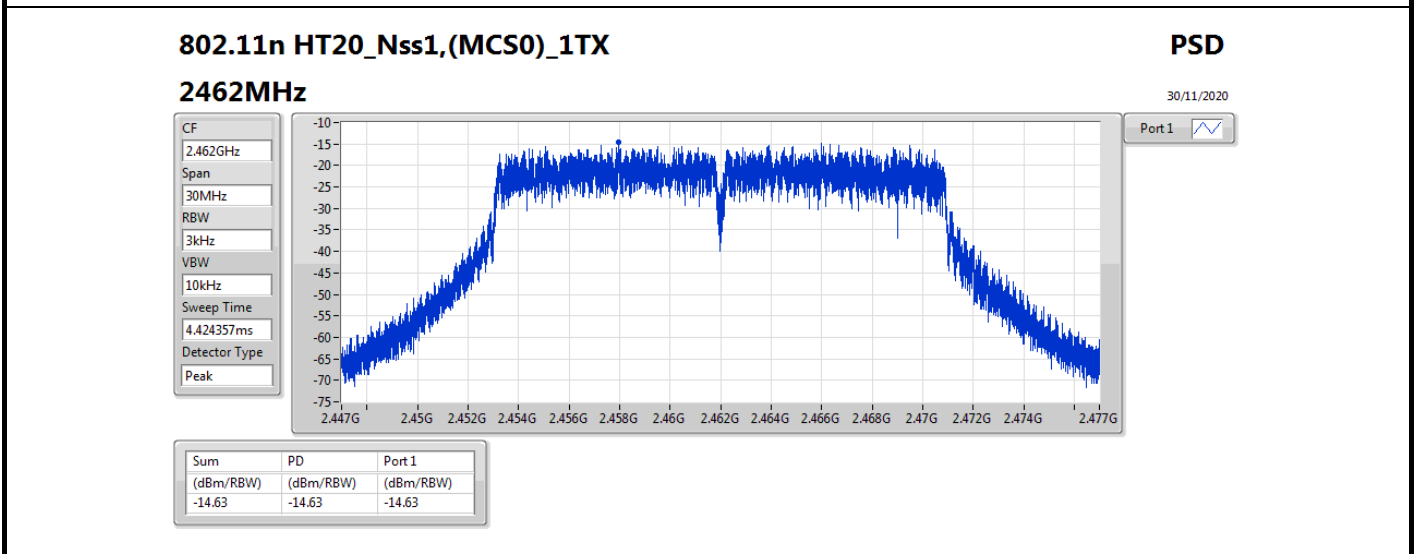
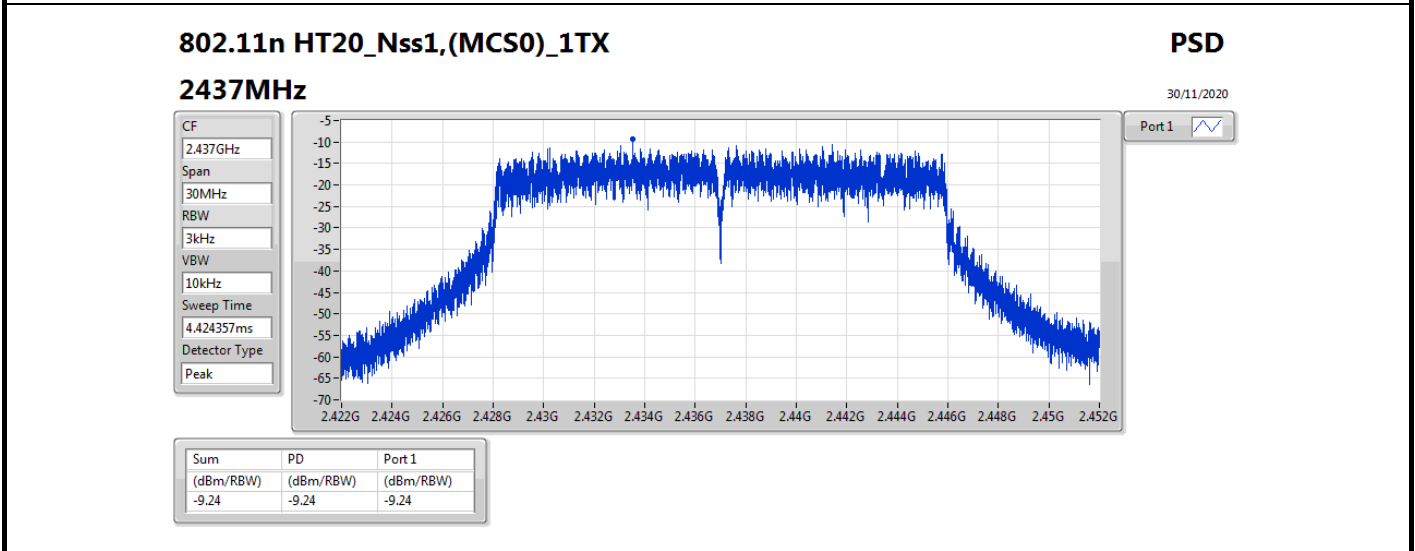
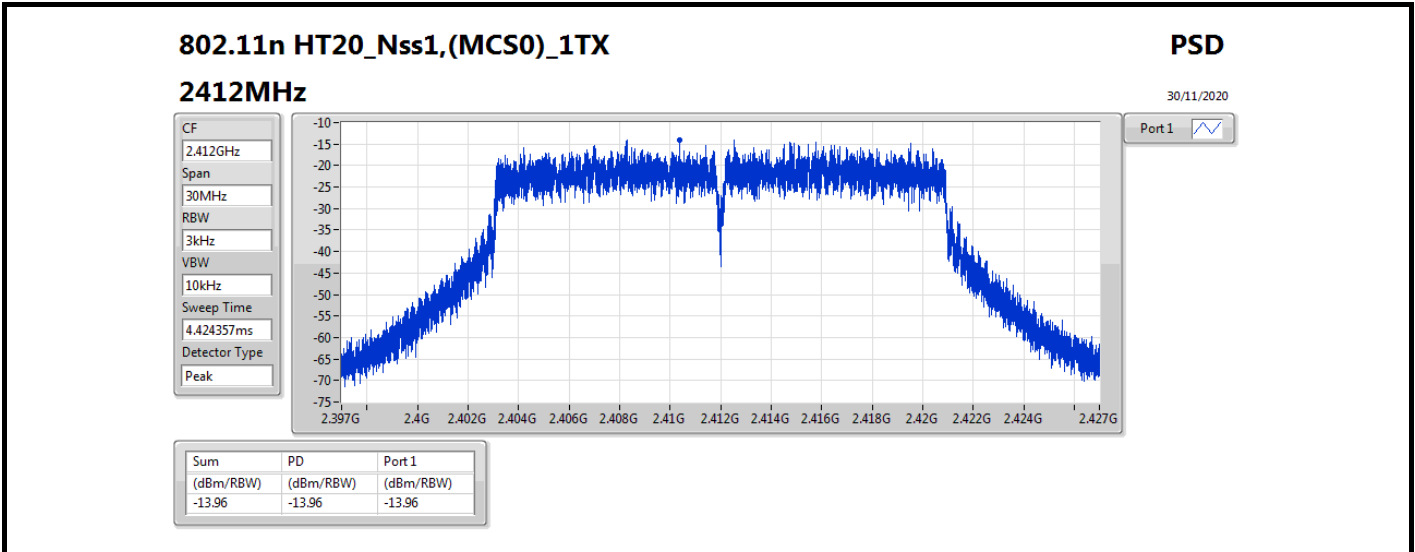
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	-6.54	-6.54	8.00
2437MHz	Pass	2.30	-5.72	-5.72	8.00
2462MHz	Pass	2.30	-5.45	-5.45	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	-13.49	-13.49	8.00
2437MHz	Pass	2.30	-9.09	-9.09	8.00
2462MHz	Pass	2.30	-12.87	-12.87	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	-13.96	-13.96	8.00
2437MHz	Pass	2.30	-9.24	-9.24	8.00
2462MHz	Pass	2.30	-14.63	-14.63	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.30	-18.42	-18.42	8.00
2437MHz	Pass	2.30	-13.41	-13.41	8.00
2452MHz	Pass	2.30	-13.30	-13.30	8.00

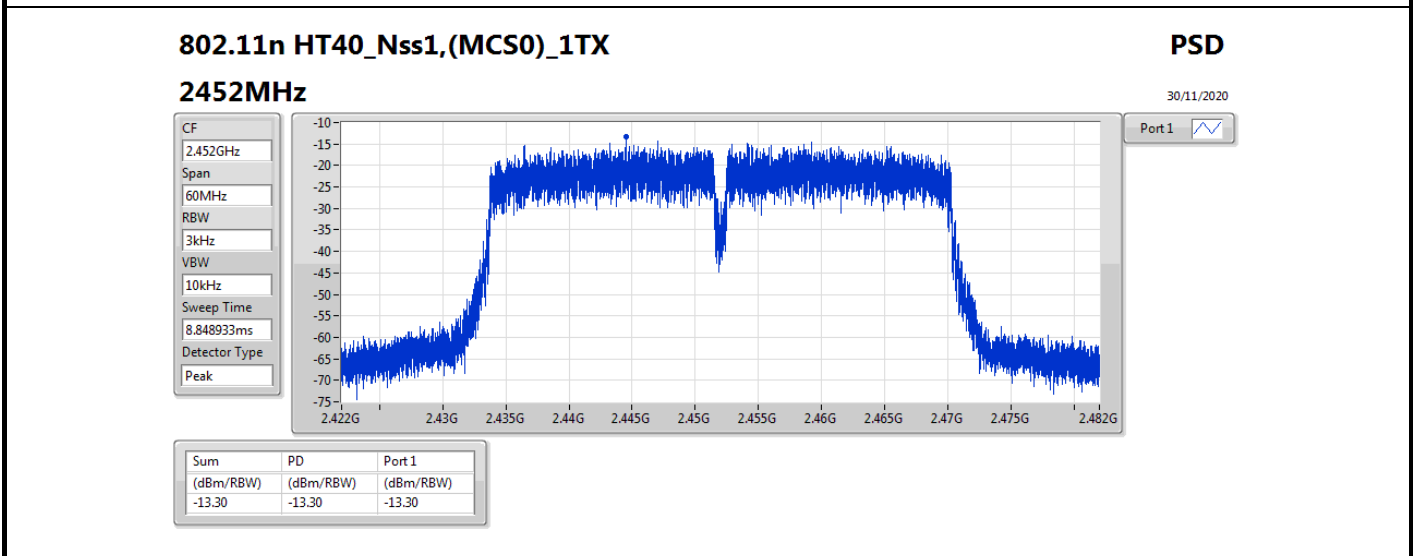
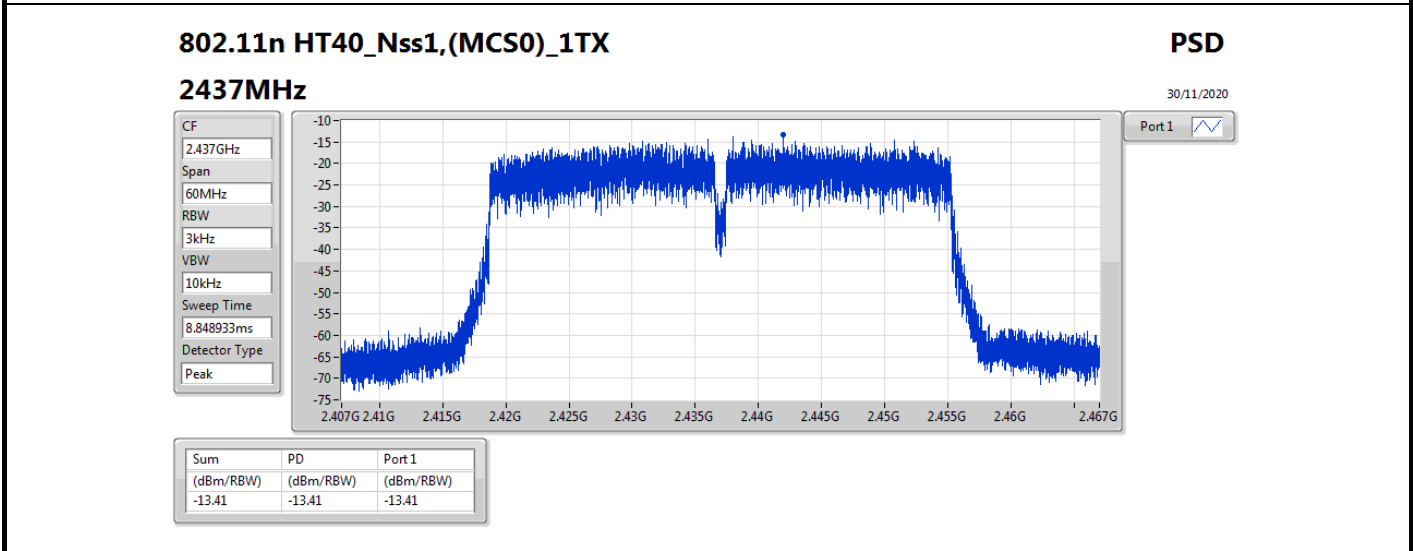
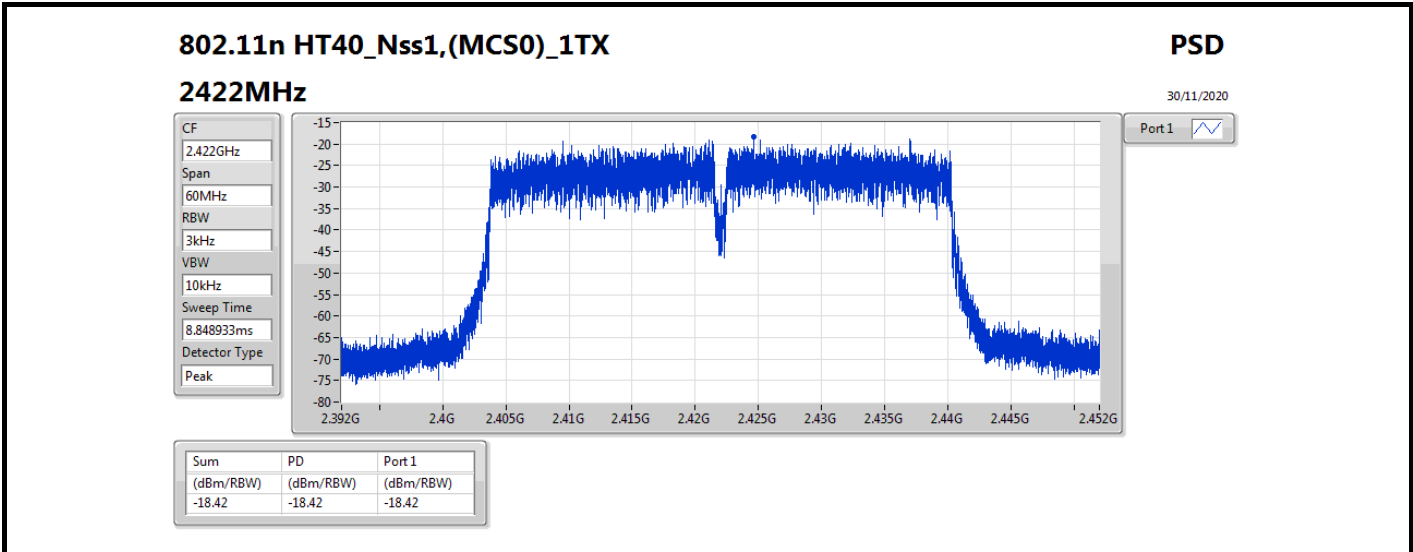
DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

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











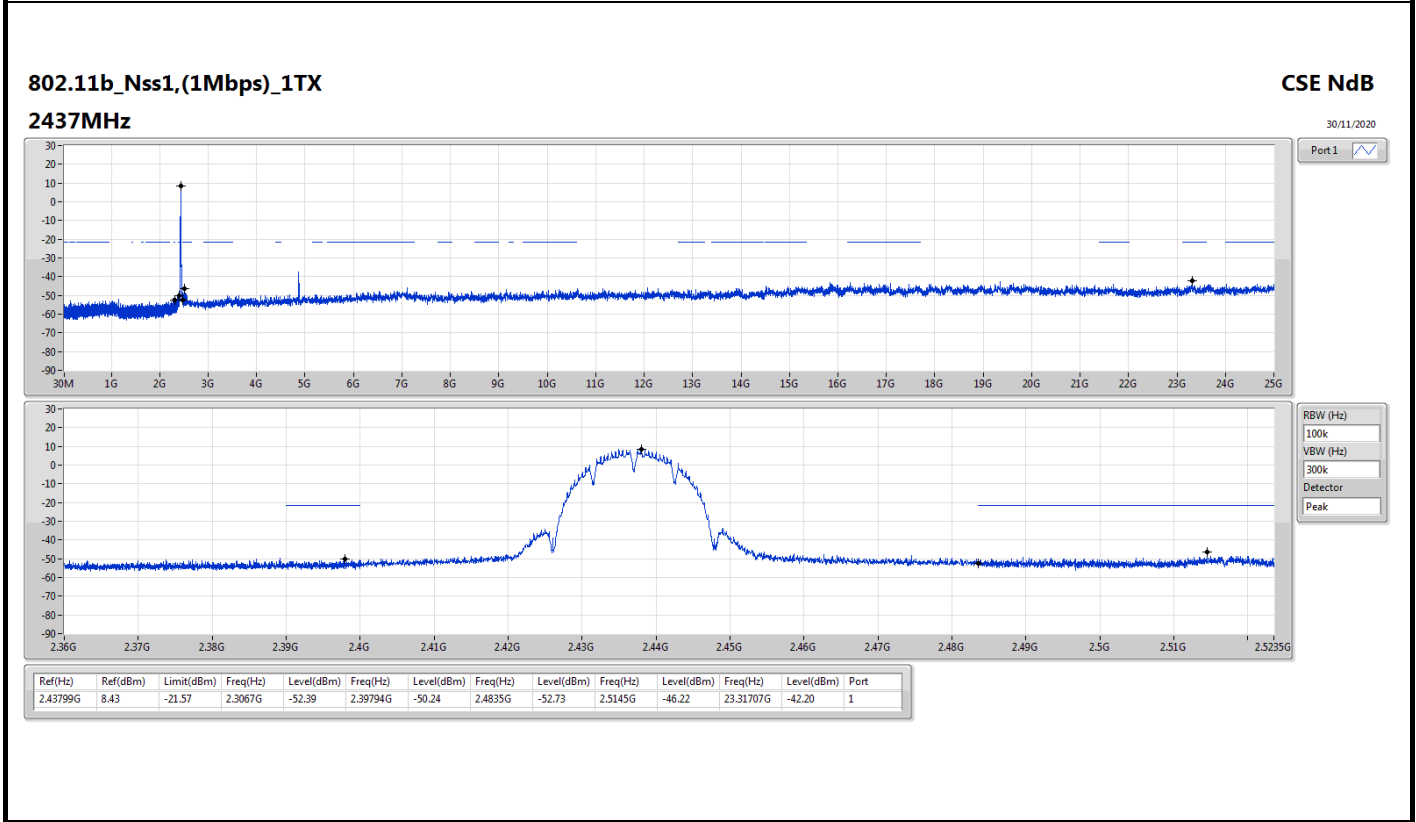
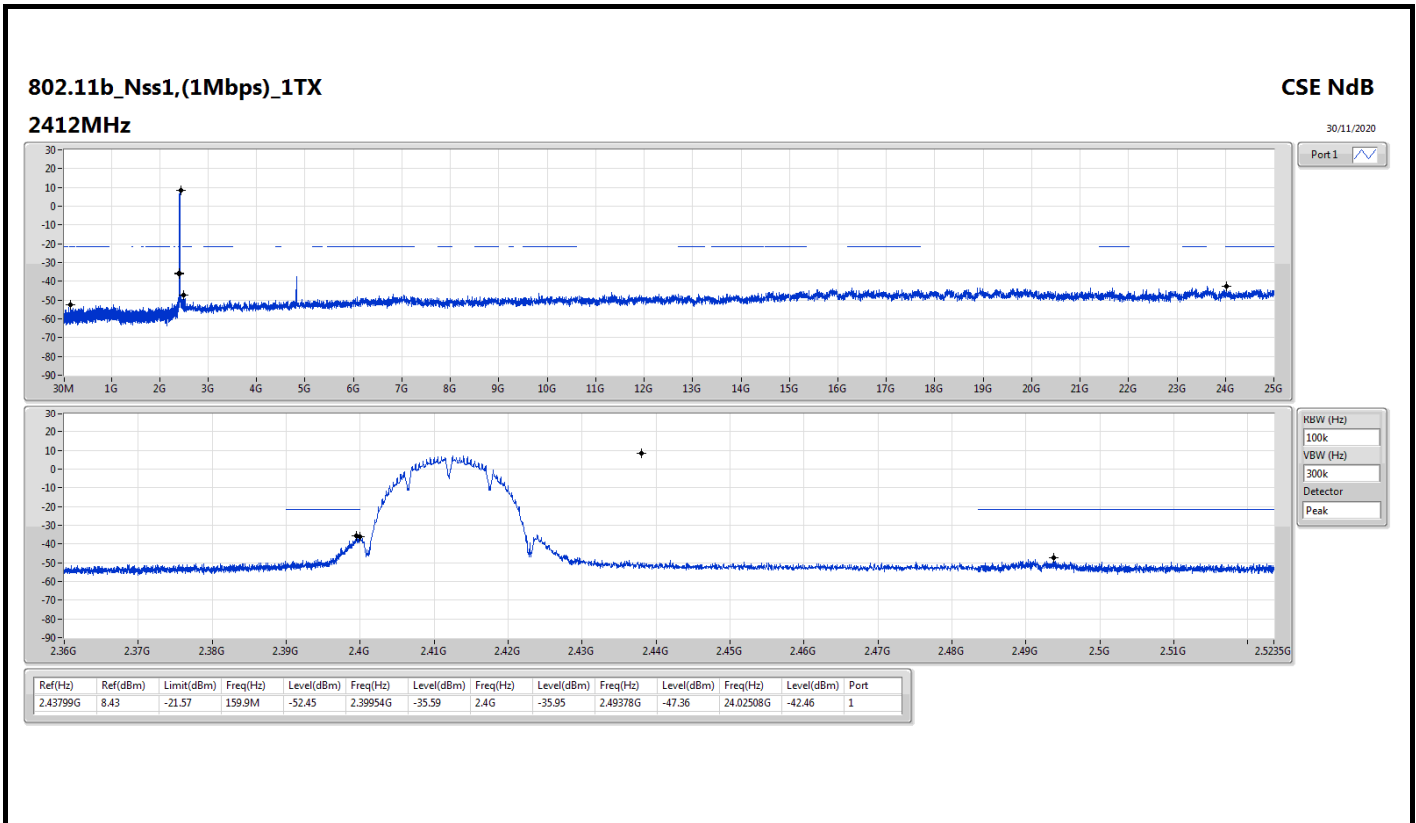
Summary

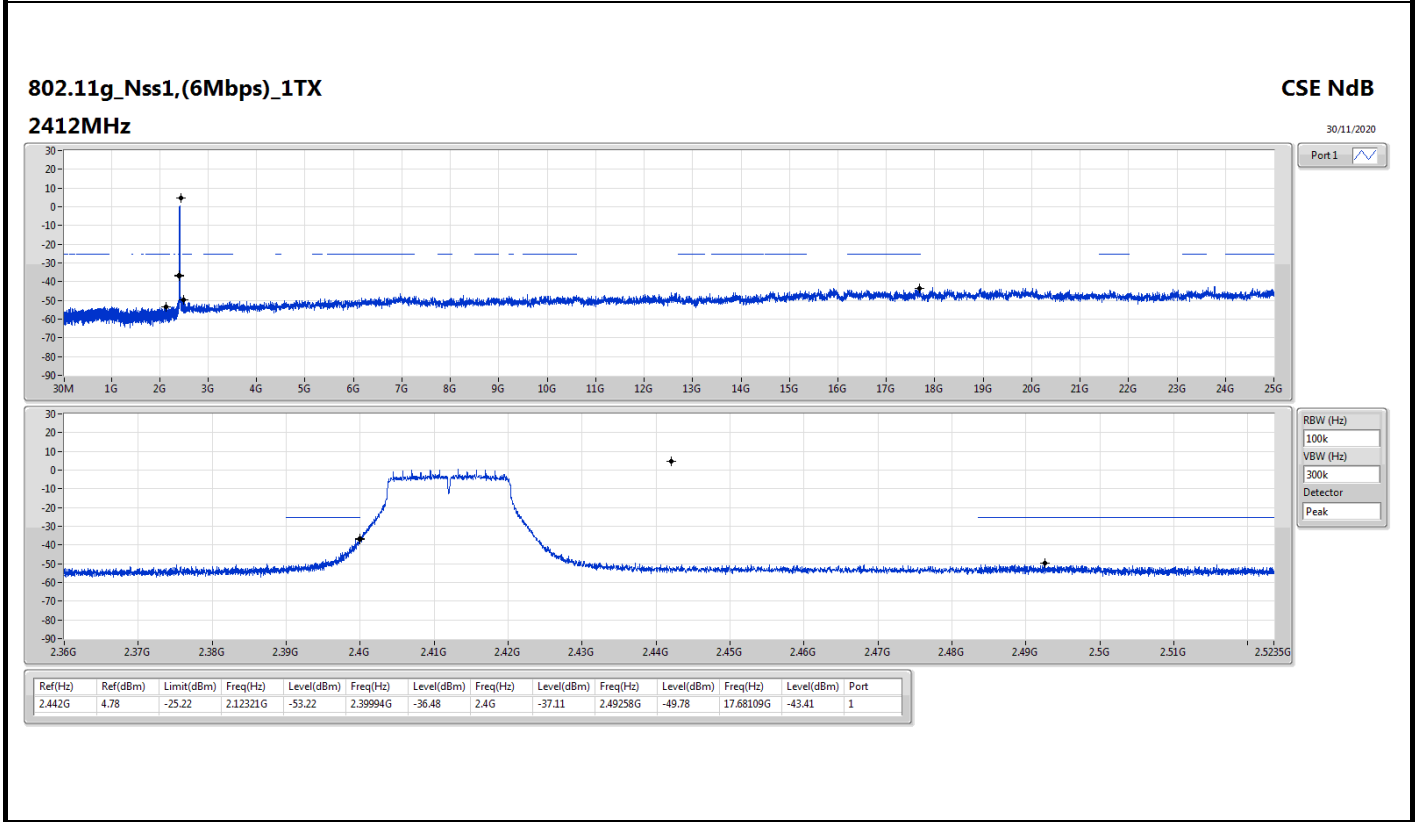
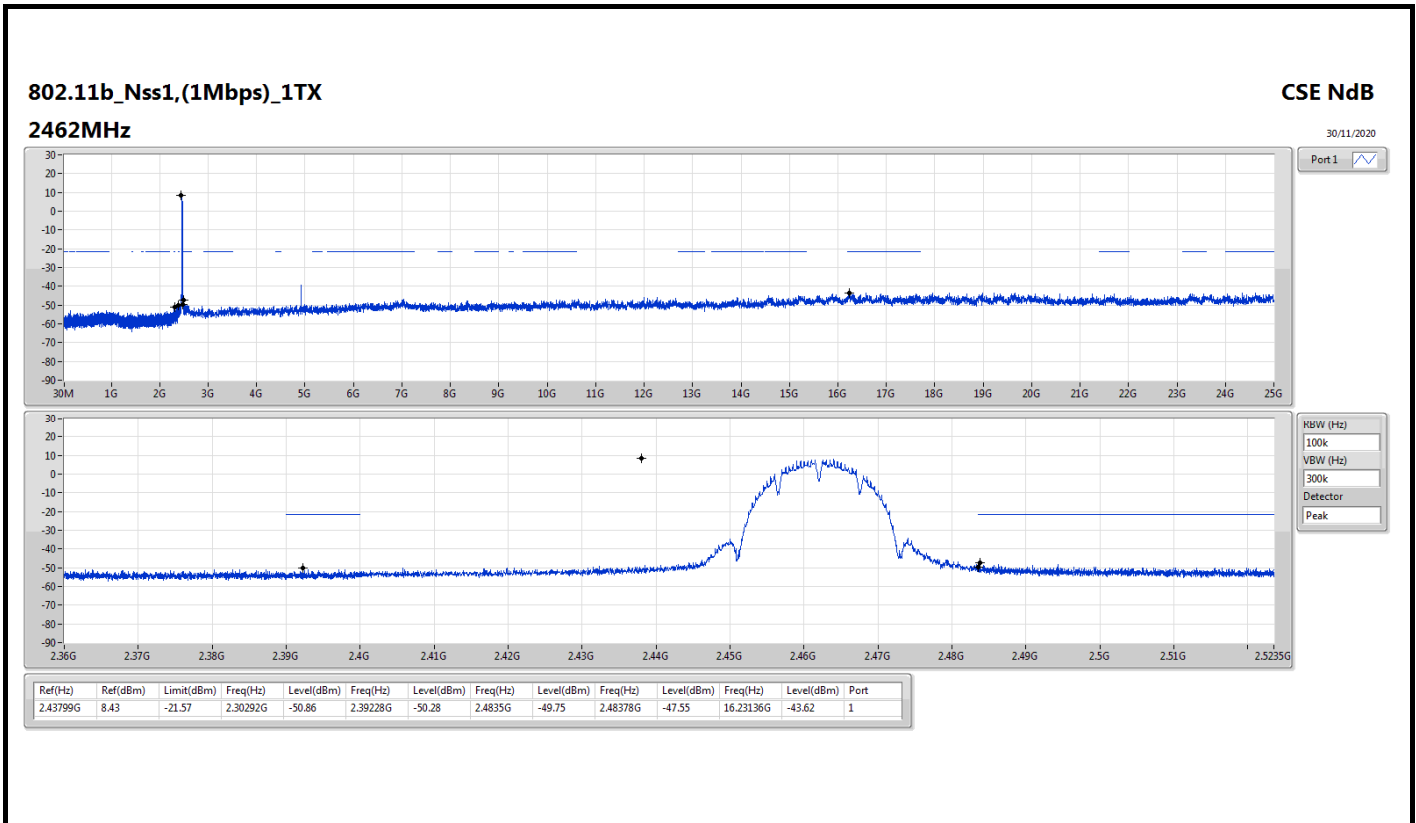
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43799G	8.43	-21.57	159.9M	-52.45	2.39954G	-35.59	2.4G	-35.95	2.49378G	-47.36	24.02508G	-42.46	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.442G	4.78	-25.22	2.12321G	-53.22	2.39994G	-36.48	2.4G	-37.11	2.49258G	-49.78	17.68109G	-43.41	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.4395G	5.02	-24.98	159.9M	-51.20	2.4G	-36.19	2.4G	-35.43	2.48854G	-49.05	24.5589G	-43.00	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.44075G	1.48	-28.52	2.30111G	-52.47	2.39228G	-50.70	2.4835G	-43.00	2.48474G	-41.86	24.89623G	-43.16	1

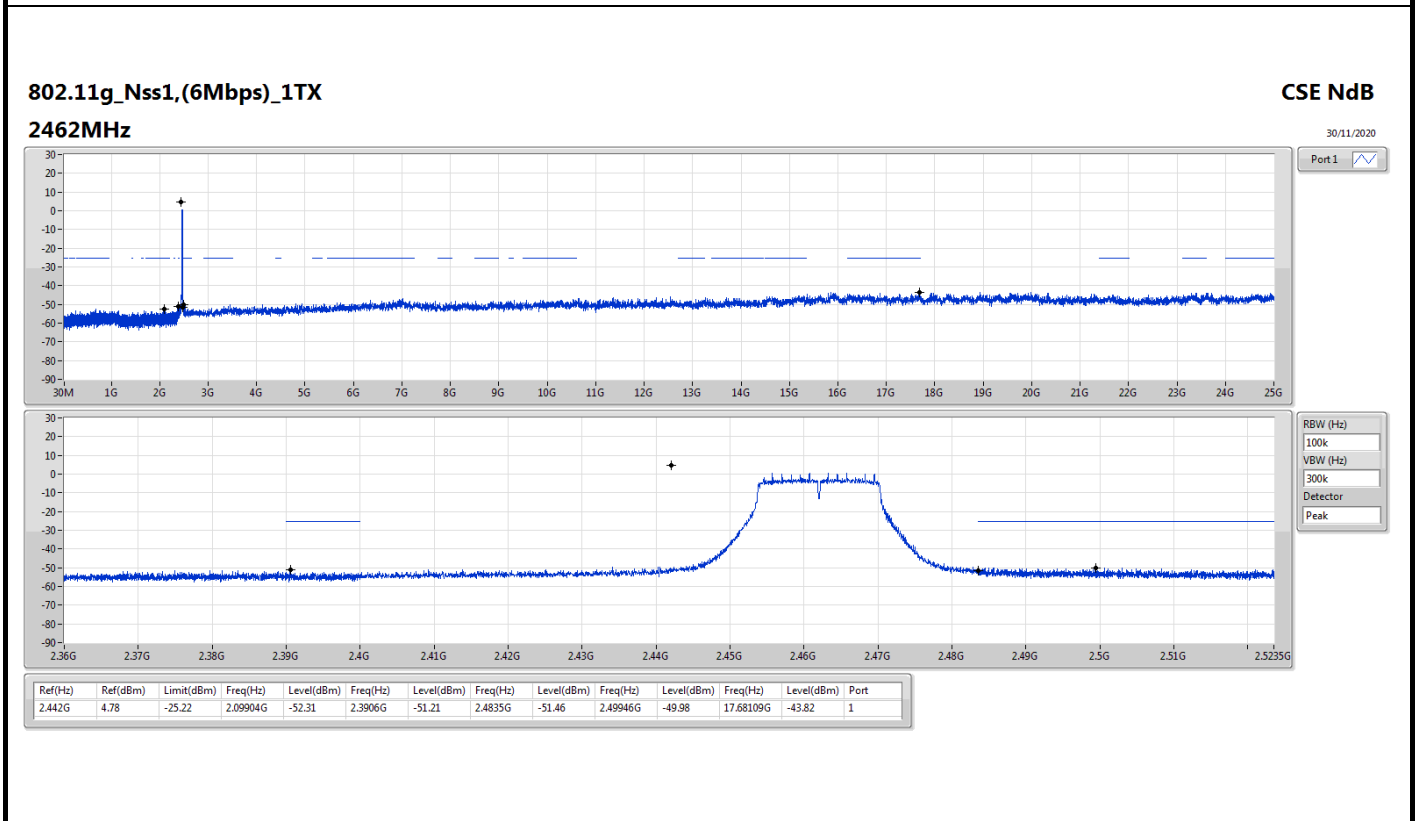
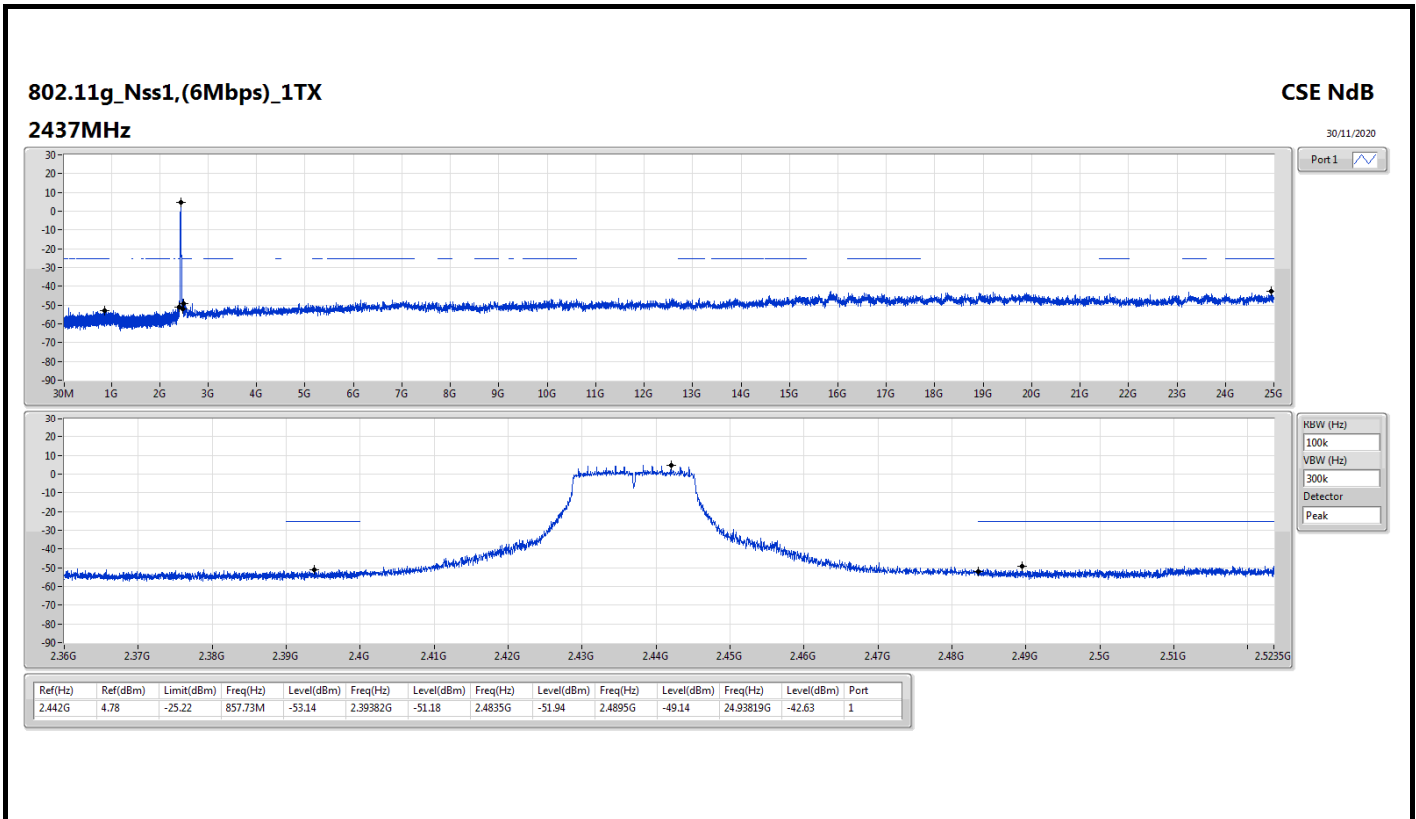


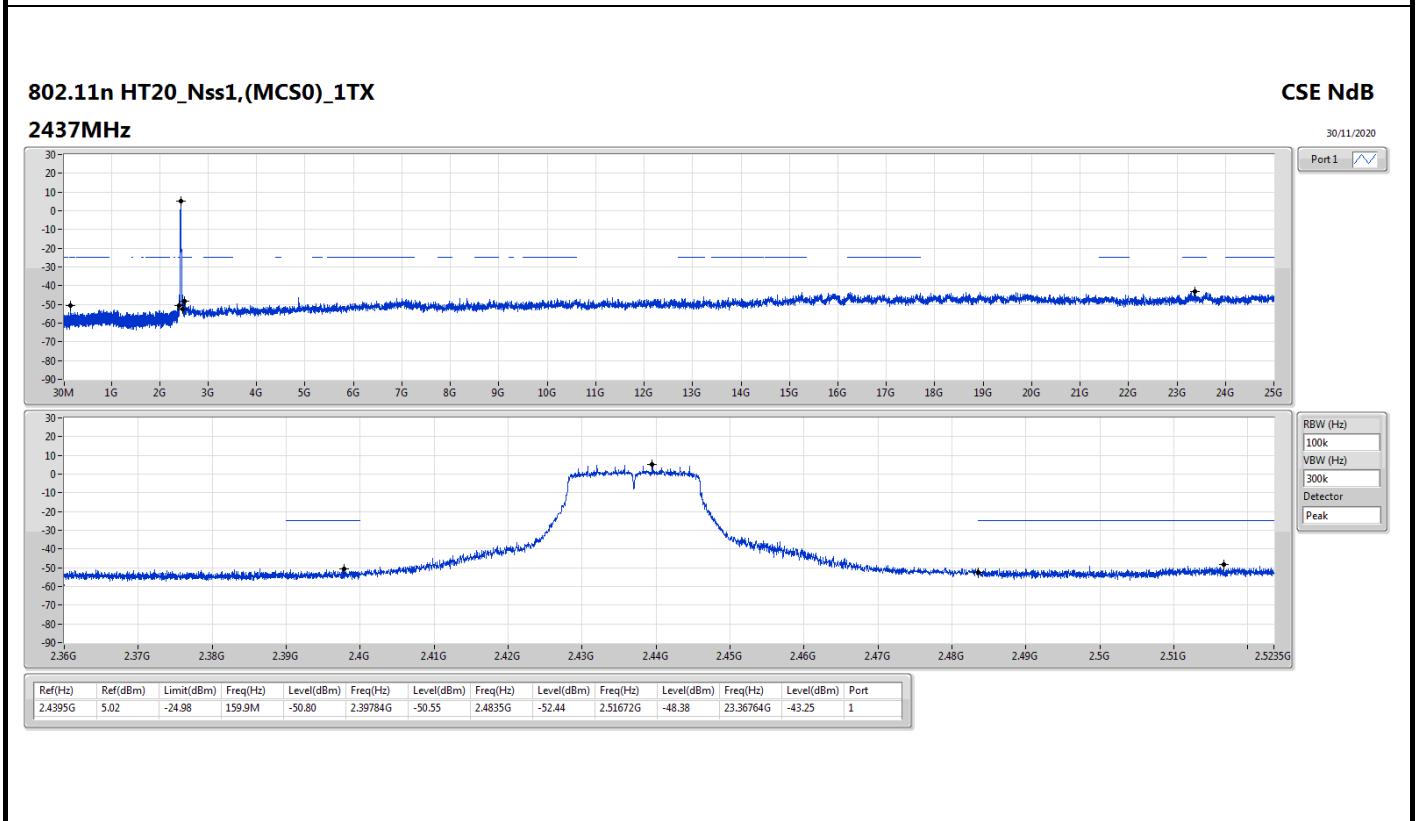
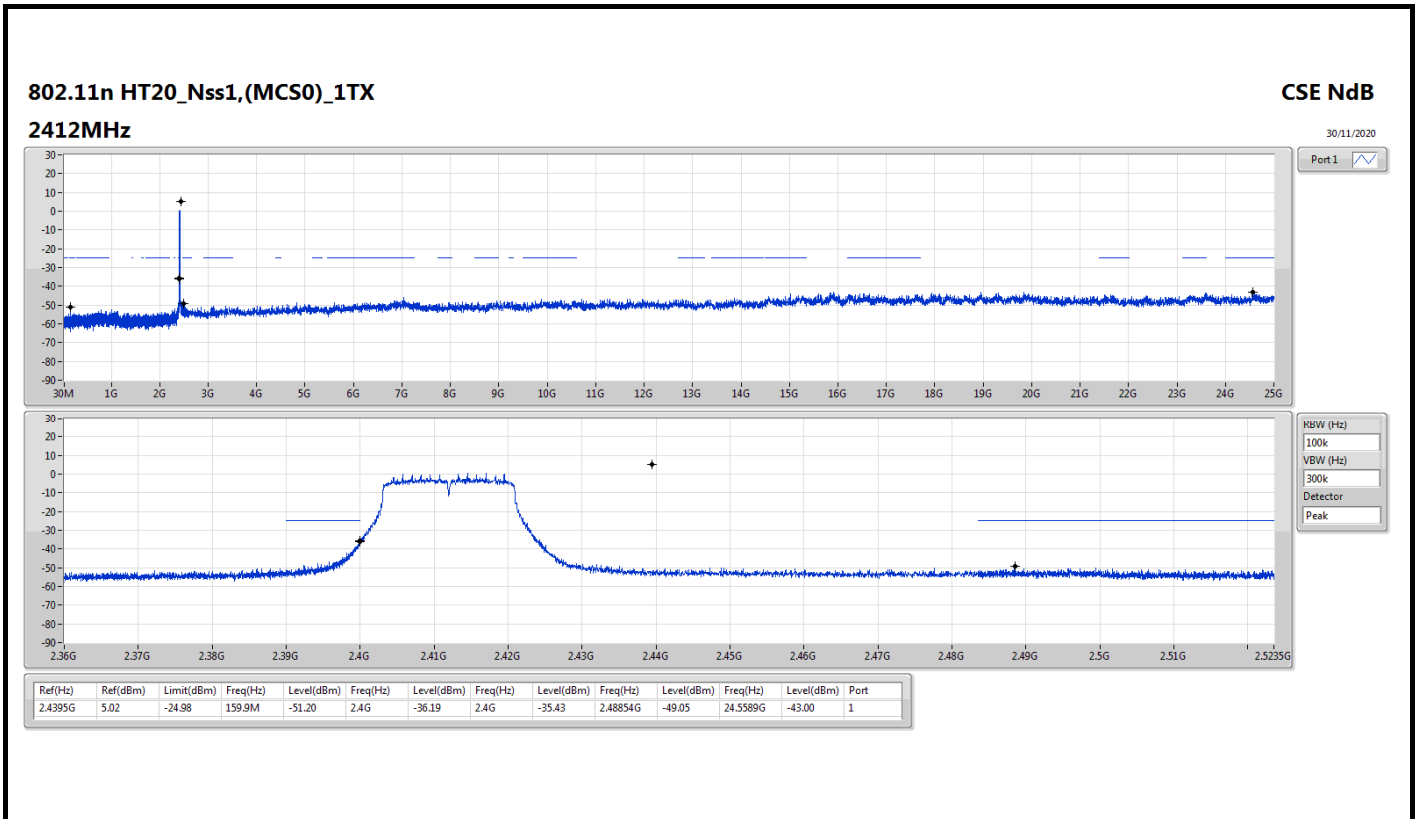
Result

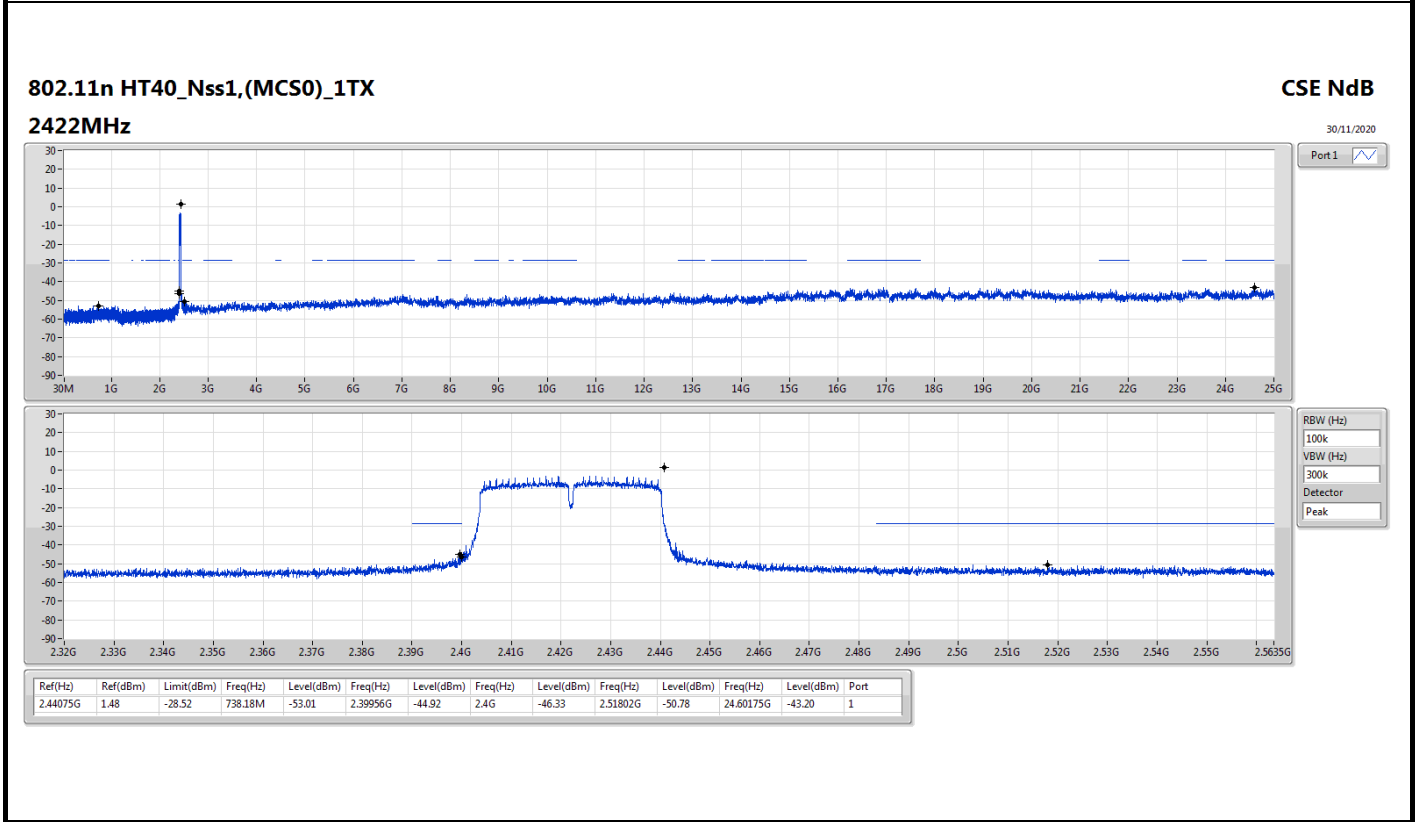
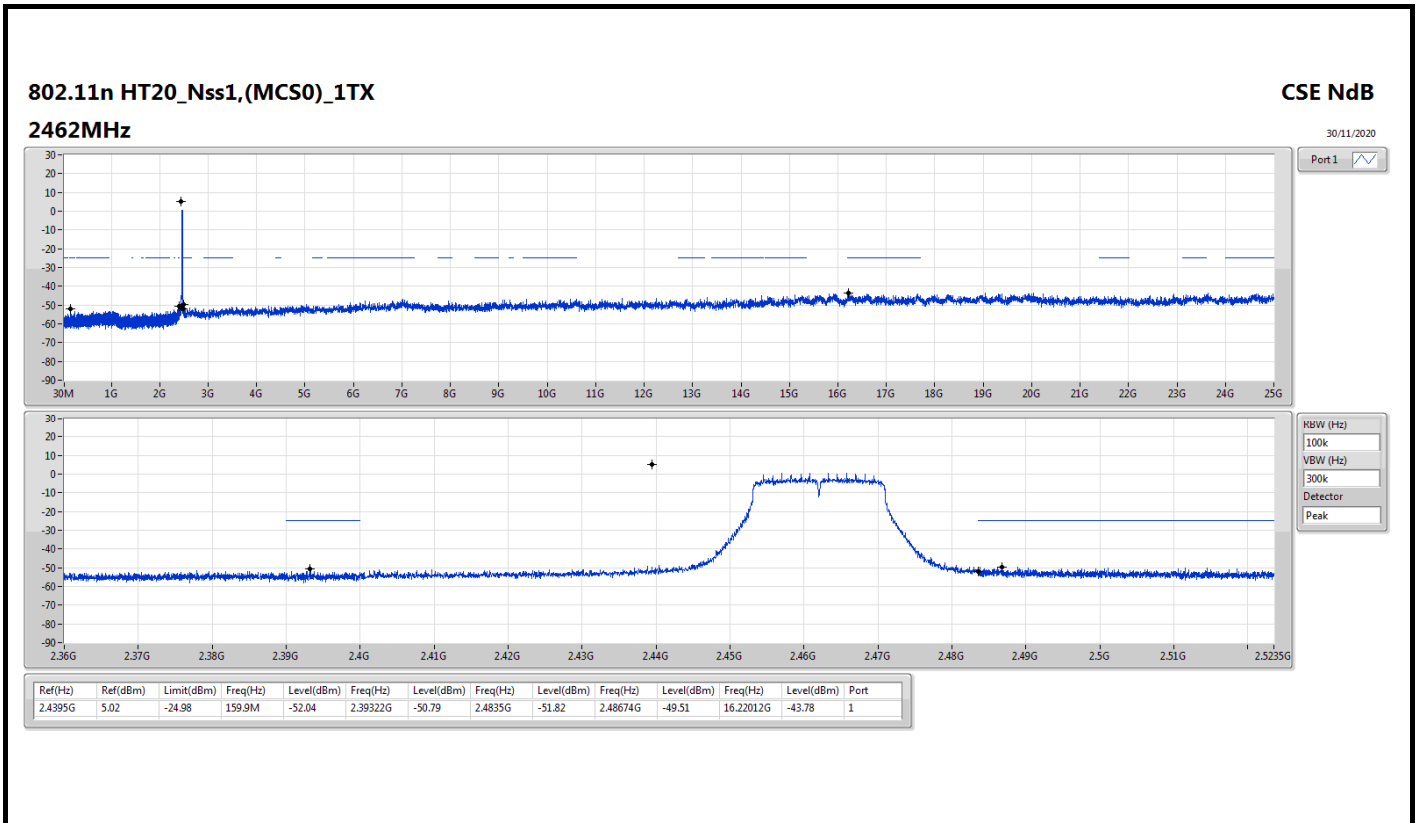
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	8.43	-21.57	159.9M	-52.45	2.39954G	-35.59	2.4G	-35.95	2.49378G	-47.36	24.02508G	-42.46	1
2437MHz	Pass	2.43799G	8.43	-21.57	2.3067G	-52.39	2.39794G	-50.24	2.4835G	-52.73	2.5145G	-46.22	23.31707G	-42.20	1
2462MHz	Pass	2.43799G	8.43	-21.57	2.30292G	-50.86	2.39228G	-50.28	2.4835G	-49.75	2.48378G	-47.55	16.23136G	-43.62	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	4.78	-25.22	2.12321G	-53.22	2.39994G	-36.48	2.4G	-37.11	2.49258G	-49.78	17.68109G	-43.41	1
2437MHz	Pass	2.442G	4.78	-25.22	857.73M	-53.14	2.39382G	-51.18	2.4835G	-51.94	2.4895G	-49.14	24.93819G	-42.63	1
2462MHz	Pass	2.442G	4.78	-25.22	2.09904G	-52.31	2.3906G	-51.21	2.4835G	-51.46	2.49946G	-49.98	17.68109G	-43.82	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	5.02	-24.98	159.9M	-51.20	2.4G	-36.19	2.4G	-35.43	2.48854G	-49.05	24.5589G	-43.00	1
2437MHz	Pass	2.4395G	5.02	-24.98	159.9M	-50.80	2.39784G	-50.55	2.4835G	-52.44	2.51672G	-48.38	23.36764G	-43.25	1
2462MHz	Pass	2.4395G	5.02	-24.98	159.9M	-52.04	2.39322G	-50.79	2.4835G	-51.82	2.48674G	-49.51	16.22012G	-43.78	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	1.48	-28.52	738.18M	-53.01	2.39956G	-44.92	2.4G	-46.33	2.51802G	-50.78	24.60175G	-43.20	1
2437MHz	Pass	2.44075G	1.48	-28.52	710.13M	-53.26	2.3952G	-46.47	2.4G	-47.86	2.48482G	-44.64	15.19525G	-42.95	1
2452MHz	Pass	2.44075G	1.48	-28.52	2.30111G	-52.47	2.39228G	-50.70	2.4835G	-43.00	2.48474G	-41.86	24.89623G	-43.16	1

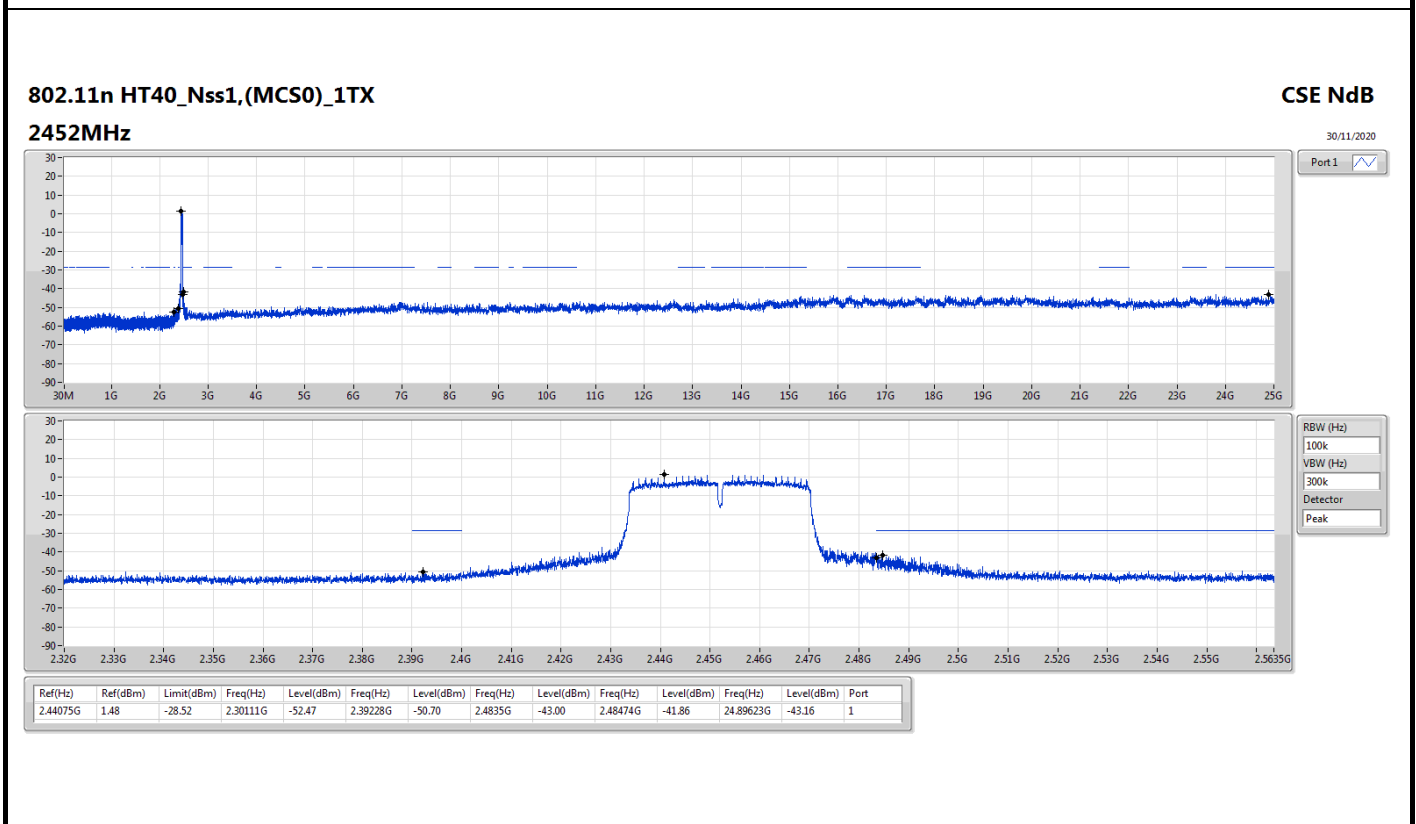
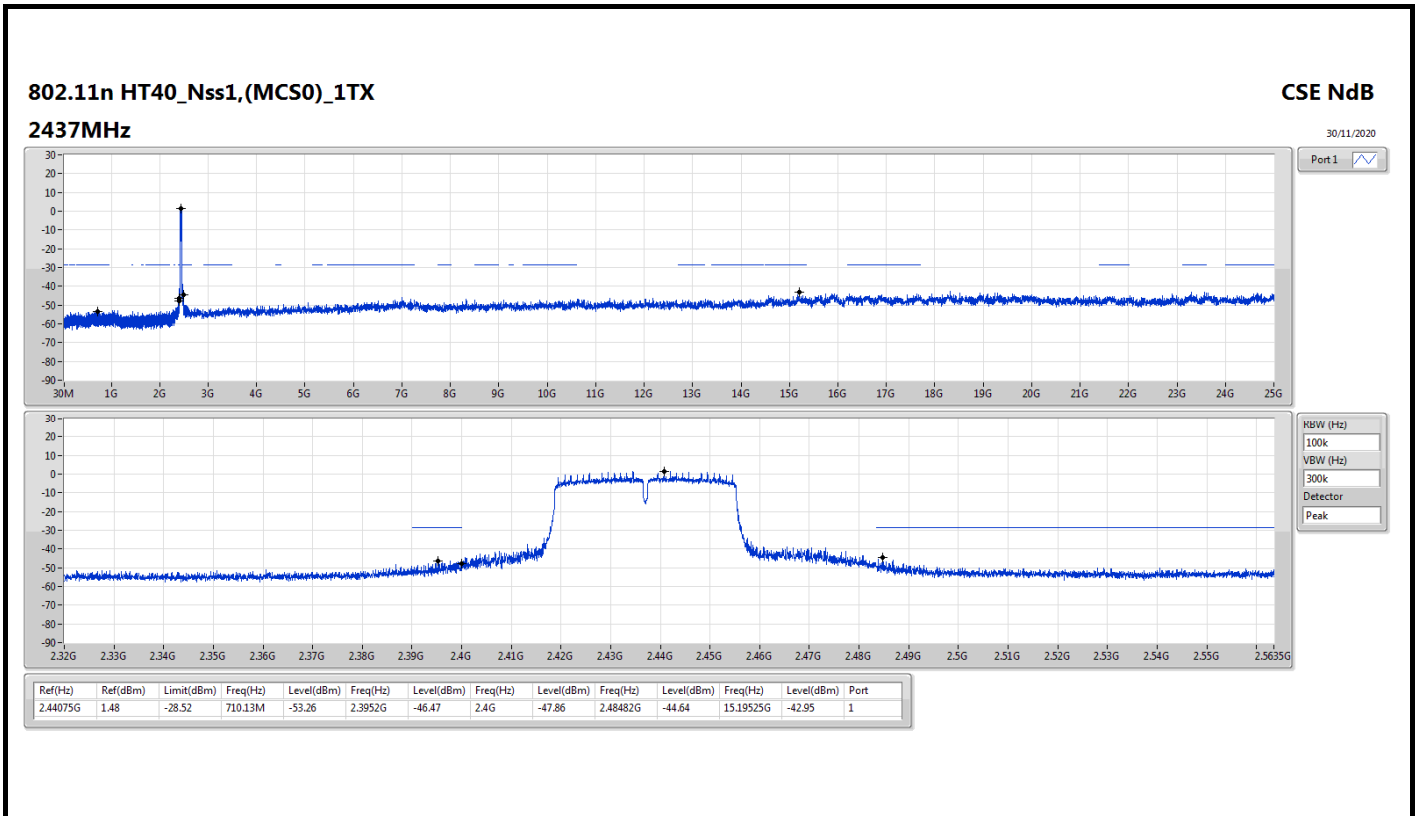








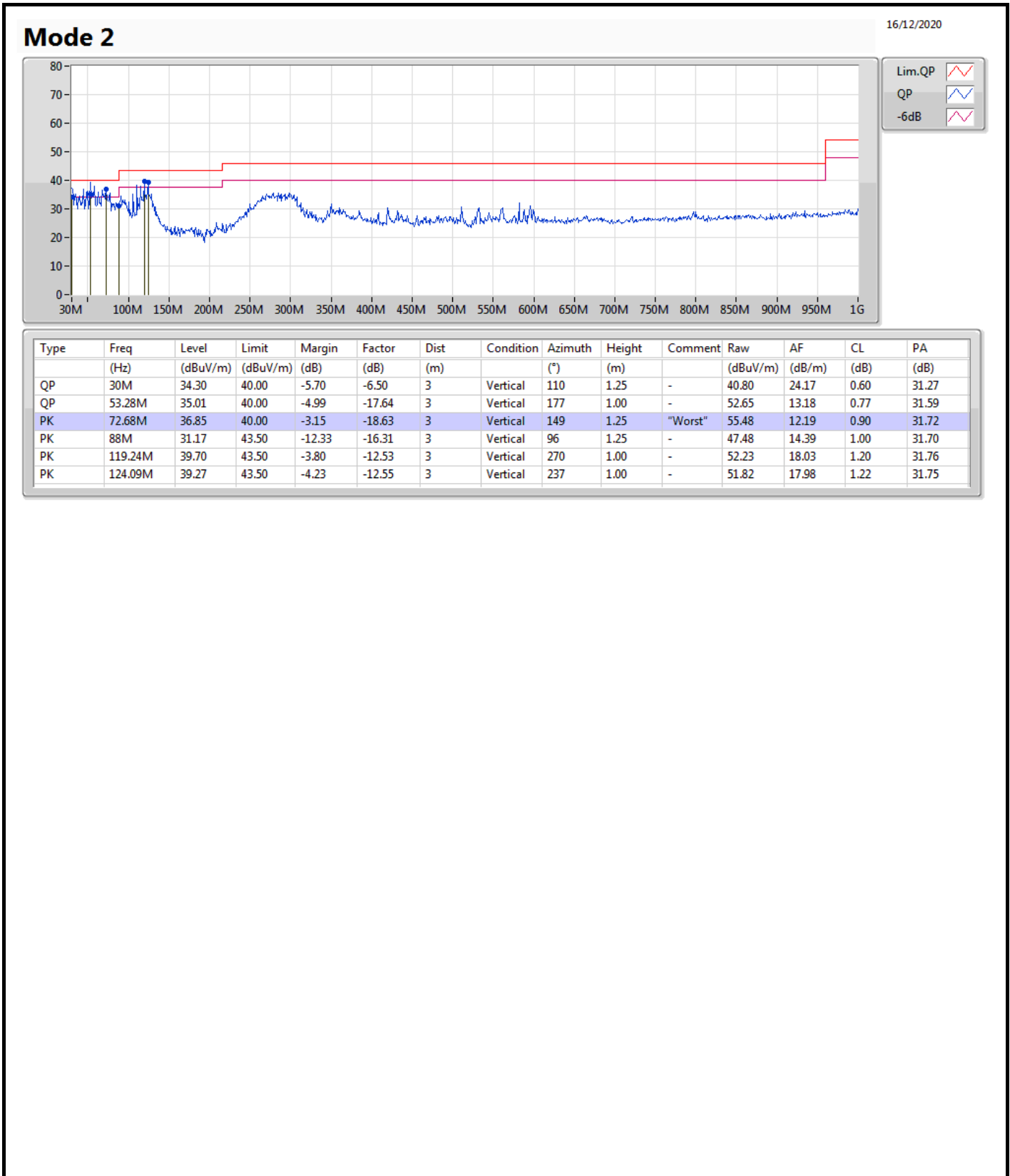


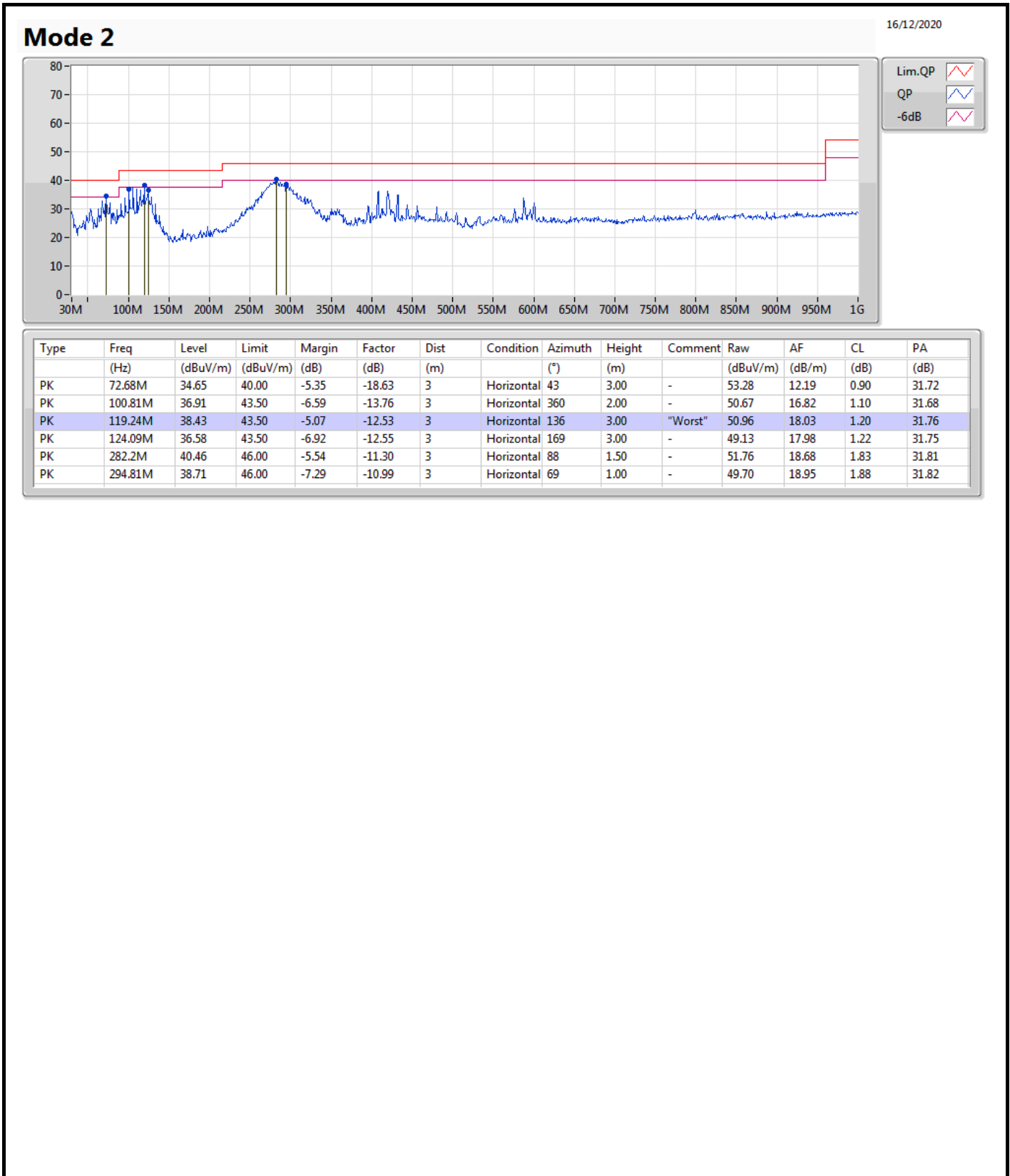




Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	72.68M	36.85	40.00	-3.15	Vertical







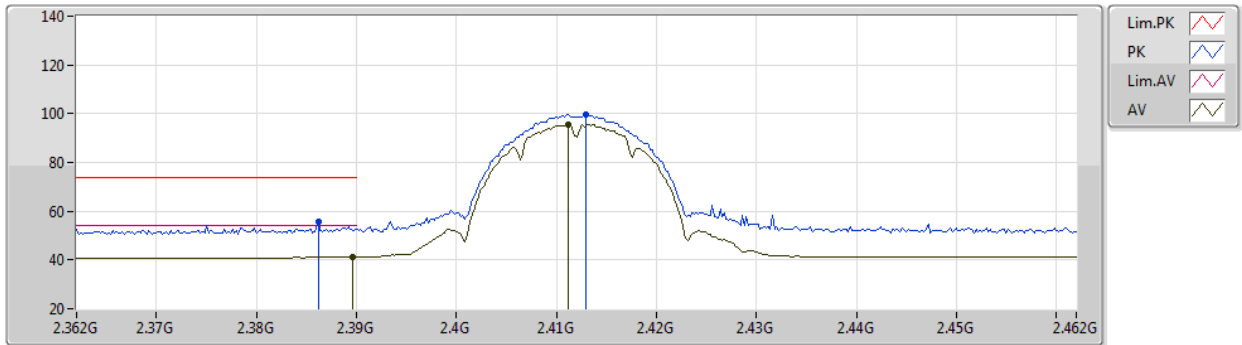
Test Mode: Mode 1
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	4.87397G	51.64	54.00	-2.36	3	Horizontal	226	1.01	-

802.11b_Nss1,(1Mbps)_1TX

28/11/2020

2412MHz_TX



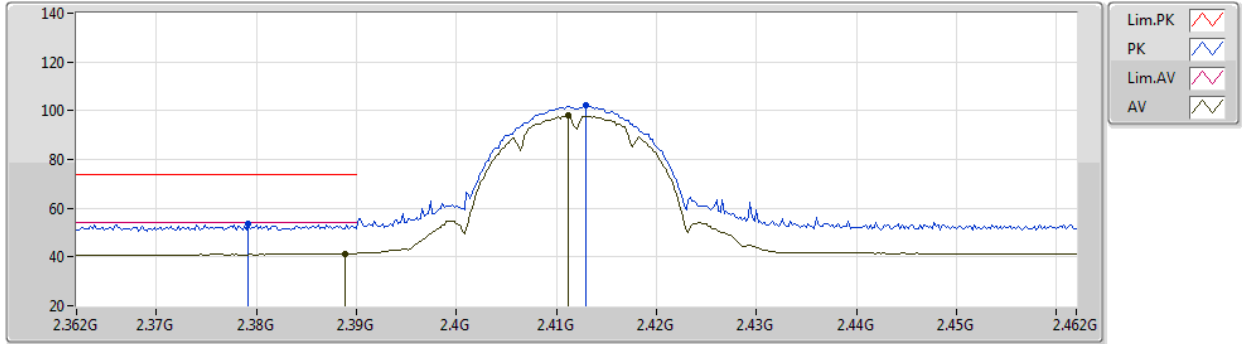
EUT Z_1TX
Setting Default
01-A-K-3

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	2.3862G	55.45	74.00	-18.55	25.89	3	Vertical	135	2.64	-	27.37	2.19	-
AV	2.3896G	41.17	54.00	-12.83	11.60	3	Vertical	135	2.64	-	27.38	2.19	-
PK	2.413G	99.61	Inf	-Inf	69.97	3	Vertical	135	2.64	-	27.43	2.21	-
AV	2.4112G	95.66	Inf	-Inf	66.03	3	Vertical	135	2.64	-	27.42	2.21	-

802.11b_Nss1,(1Mbps)_1TX

28/11/2020

2412MHz_TX



EUT Z_1TX
Setting Default
01-A-K-3

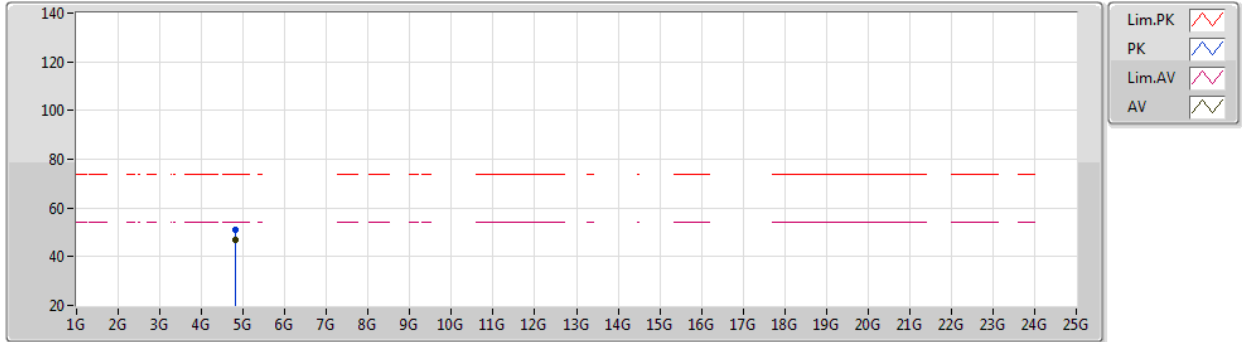
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3792G	53.68	74.00	-20.32	24.14	3	Horizontal	262	1.00	-	27.36	2.18	-
AV	2.3888G	41.46	54.00	-12.54	11.89	3	Horizontal	262	1.00	-	27.38	2.19	-
PK	2.413G	102.02	Inf	-Inf	72.38	3	Horizontal	262	1.00	-	27.43	2.21	-
AV	2.4112G	97.98	Inf	-Inf	68.35	3	Horizontal	262	1.00	-	27.42	2.21	-



802.11b_Nss1,(1Mbps)_1TX

28/11/2020

2412MHz_TX



EUT Z_1TX
Setting Default
01-A-K-3

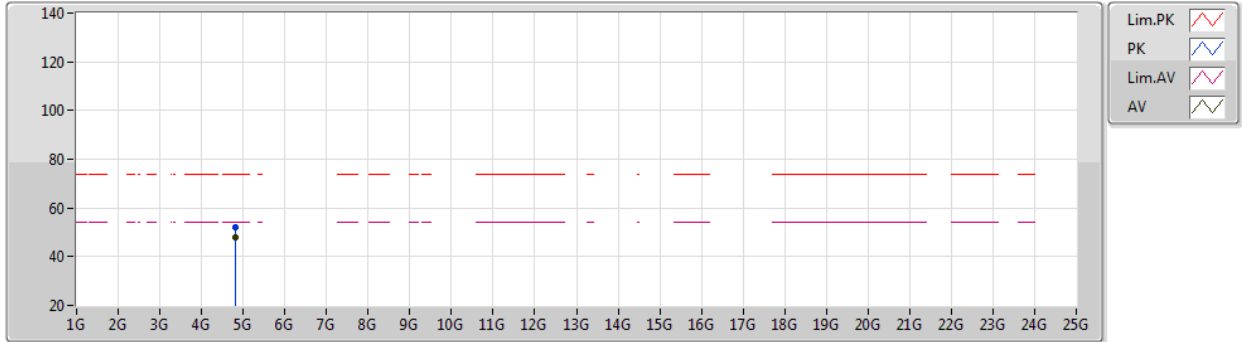
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8241G	51.20	74.00	-22.80	48.67	3	Vertical	179	2.46	-	32.24	5.01	34.72
AV	4.82398G	46.73	54.00	-7.27	44.20	3	Vertical	179	2.46	-	32.24	5.01	34.72



802.11b_Nss1,(1Mbps)_1TX

28/11/2020

2412MHz_TX



EUT Z_1TX
Setting Default
01-A-K-3

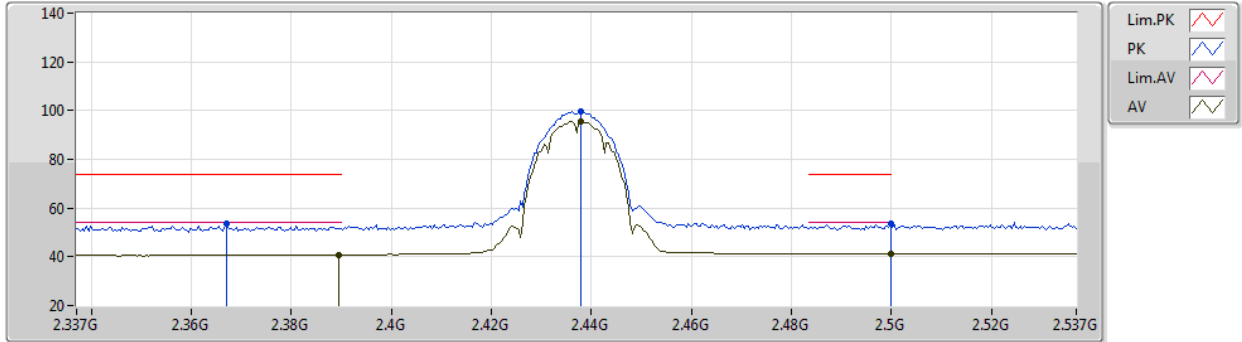
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82408G	52.11	74.00	-21.89	49.58	3	Horizontal	206	1.00	-	32.24	5.01	34.72
AV	4.82399G	47.91	54.00	-6.09	45.38	3	Horizontal	206	1.00	-	32.24	5.01	34.72



802.11b_Nss1,(1Mbps)_1TX

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2437MHz_TX



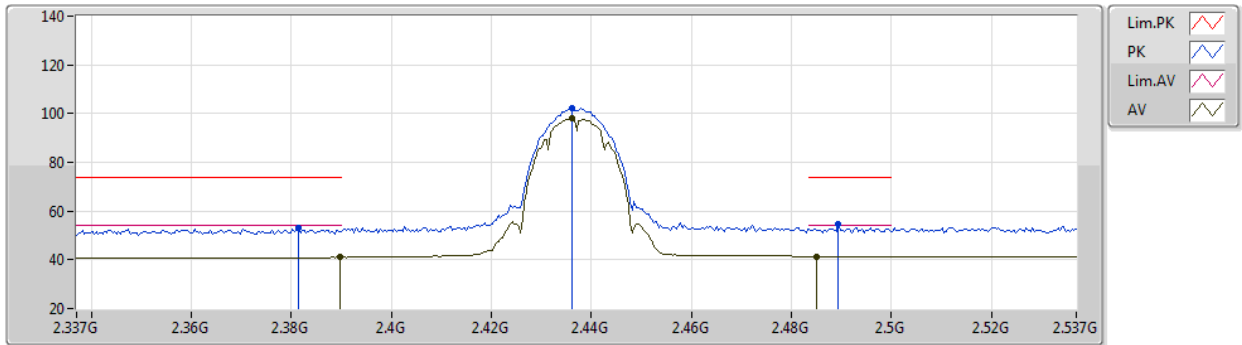
EUT Z_1TX
Setting Default
01-A-K-3

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	2.367G	53.53	74.00	-20.47	24.03	3	Vertical	151	2.61	-	27.33	2.17	-
AV	2.3894G	40.76	54.00	-13.24	11.19	3	Vertical	151	2.61	-	27.38	2.19	-
PK	2.4378G	99.67	Inf	-Inf	69.95	3	Vertical	151	2.61	-	27.48	2.24	-
AV	2.4378G	95.57	Inf	-Inf	65.85	3	Vertical	151	2.61	-	27.48	2.24	-
PK	2.4998G	53.73	74.00	-20.27	23.63	3	Vertical	151	2.61	-	27.80	2.30	-
AV	2.4998G	41.33	54.00	-12.67	11.23	3	Vertical	151	2.61	-	27.80	2.30	-

802.11b_Nss1,(1Mbps)_1TX

28/11/2020

2437MHz_TX



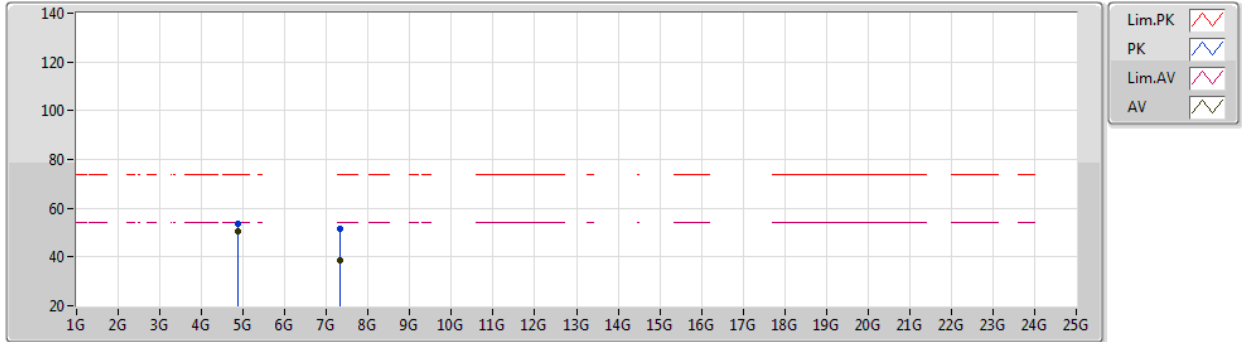
EUT Z_1TX
Setting Default
01-A-K-3

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	2.3814G	52.86	74.00	-21.14	23.32	3	Horizontal	237	1.11	-	27.36	2.18	-
AV	2.3898G	41.02	54.00	-12.98	11.45	3	Horizontal	237	1.11	-	27.38	2.19	-
PK	2.4362G	102.06	Inf	-Inf	72.35	3	Horizontal	237	1.11	-	27.47	2.24	-
AV	2.4362G	98.19	Inf	-Inf	68.48	3	Horizontal	237	1.11	-	27.47	2.24	-
PK	2.4894G	54.91	74.00	-19.09	24.88	3	Horizontal	237	1.11	-	27.74	2.29	-
AV	2.485G	41.40	54.00	-12.60	11.40	3	Horizontal	237	1.11	-	27.71	2.29	-

802.11b_Nss1,(1Mbps)_1TX

28/11/2020

2437MHz_TX



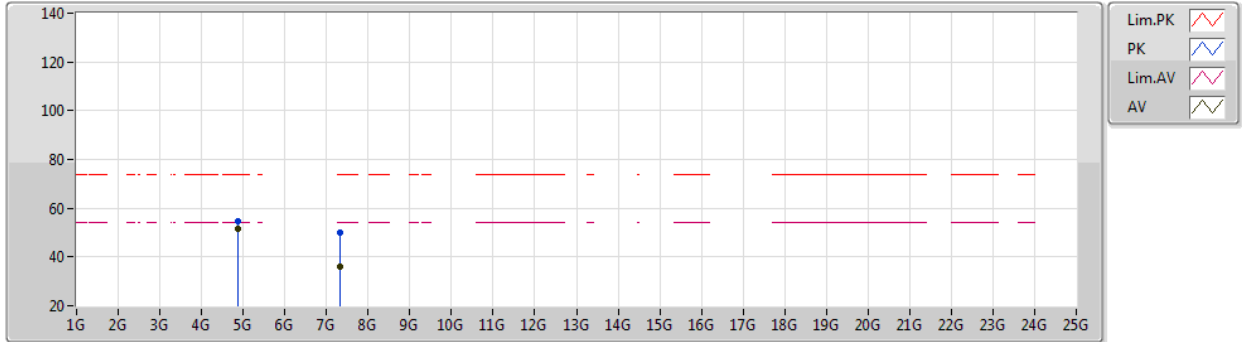
EUT Z_1TX
Setting Default
01-A-K-3

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	4.87386G	53.75	74.00	-20.25	50.94	3	Vertical	218	1.80	-	32.45	5.04	34.68
AV	4.87398G	50.50	54.00	-3.50	47.69	3	Vertical	218	1.80	-	32.45	5.04	34.68
PK	7.31031G	51.75	74.00	-22.25	43.18	3	Vertical	219	1.04	-	37.14	6.31	34.88
AV	7.31181G	38.39	54.00	-15.61	29.81	3	Vertical	219	1.04	-	37.15	6.31	34.88

802.11b_Nss1,(1Mbps)_1TX

28/11/2020

2437MHz_TX



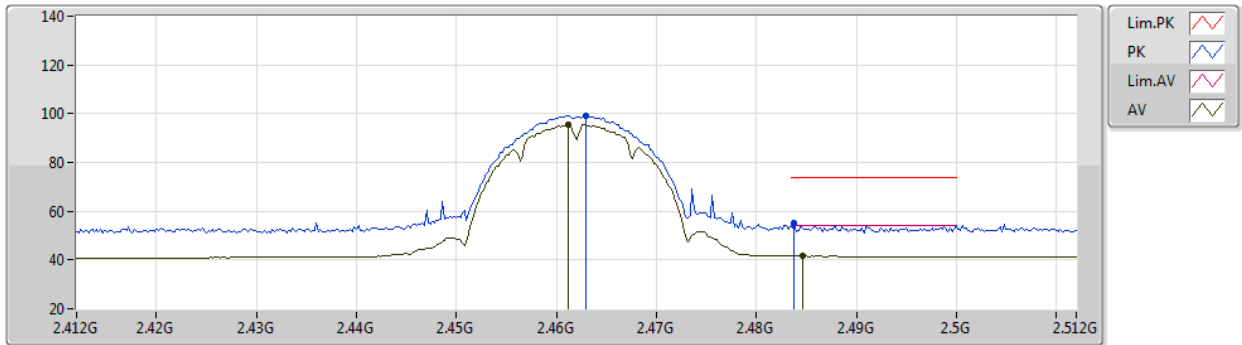
EUT Z_1TX
Setting Default
01-A-K-3

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	4.87406G	54.55	74.00	-19.45	51.74	3	Horizontal	226	1.01	-	32.45	5.04	34.68
AV	4.87397G	51.64	54.00	-2.36	48.83	3	Horizontal	226	1.01	-	32.45	5.04	34.68
PK	7.31127G	49.94	74.00	-24.06	41.36	3	Horizontal	194	2.25	-	37.15	6.31	34.88
AV	7.31065G	35.80	54.00	-18.20	27.23	3	Horizontal	194	2.25	-	37.14	6.31	34.88

802.11b_Nss1,(1Mbps)_1TX

27/11/2020

2462MHz_TX



EUT Z_1TX
Setting Default
01-A-K-3

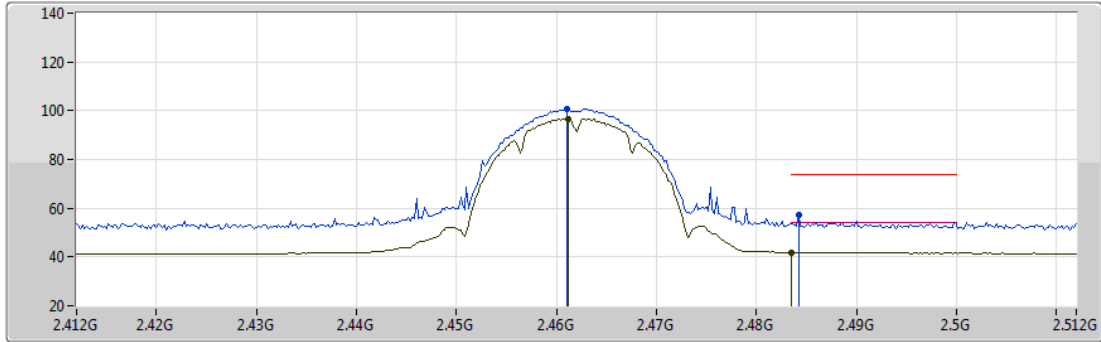
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	99.34	Inf	-Inf	69.50	3	Vertical	137	2.52	-	27.58	2.26	-
AV	2.4612G	95.37	Inf	-Inf	65.54	3	Vertical	137	2.52	-	27.57	2.26	-
PK	2.4838G	55.16	74.00	-18.84	25.18	3	Vertical	137	2.52	-	27.70	2.28	-
AV	2.4846G	41.59	54.00	-12.41	11.60	3	Vertical	137	2.52	-	27.71	2.28	-



802.11b_Nss1,(1Mbps)_1TX

27/11/2020

2462MHz_TX



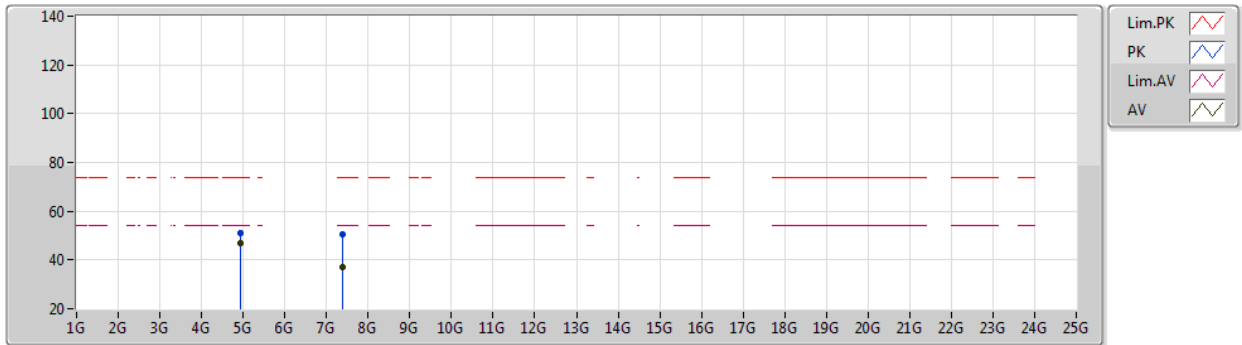
EUT Z_1TX
Setting Default
01-A-K-3

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	2.461G	100.77	Inf	-Inf	70.94	3	Horizontal	259	1.18	-	27.57	2.26	-
AV	2.4612G	96.79	Inf	-Inf	66.96	3	Horizontal	259	1.18	-	27.57	2.26	-
PK	2.4842G	57.22	74.00	-16.78	27.23	3	Horizontal	259	1.18	-	27.71	2.28	-
AV	2.4835G	41.89	54.00	-12.11	11.91	3	Horizontal	259	1.18	-	27.70	2.28	-

802.11b_Nss1,(1Mbps)_1TX

27/11/2020

2462MHz_TX



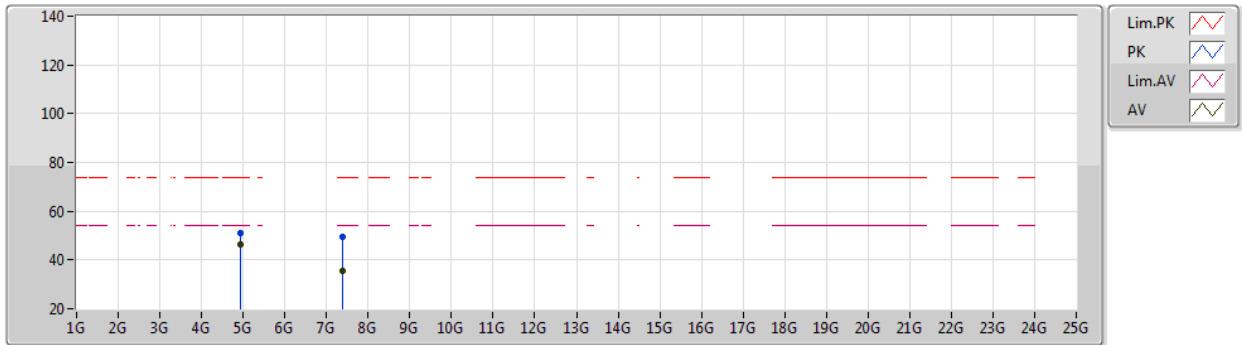
EUT Z_1TX
Setting Default
01-A-K-3

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	4.92394G	50.97	74.00	-23.03	47.91	3	Vertical	179	2.41	-	32.64	5.06	34.64
AV	4.92398G	46.81	54.00	-7.19	43.75	3	Vertical	179	2.41	-	32.64	5.06	34.64
PK	7.38553G	50.29	74.00	-23.71	41.49	3	Vertical	211	1.00	-	37.30	6.39	34.89
AV	7.38693G	37.07	54.00	-16.93	28.28	3	Vertical	211	1.00	-	37.30	6.39	34.90

802.11b_Nss1,(1Mbps)_1TX

27/11/2020

2462MHz_TX



EUT Z_1TX
Setting Default
01-A-K-3

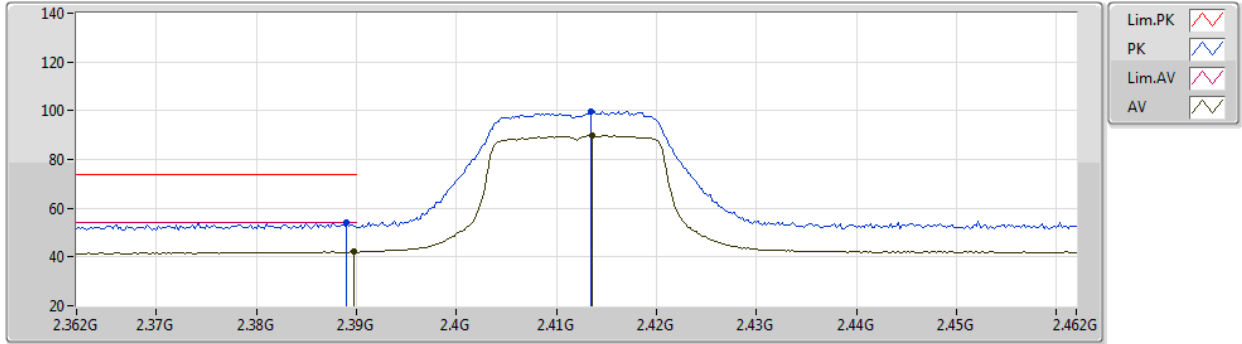
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PK	4.92397G	51.11	74.00	-22.89	48.05	3	Horizontal	86	1.18	-	32.64	5.06	34.64
AV	4.92397G	46.46	54.00	-7.54	43.40	3	Horizontal	86	1.18	-	32.64	5.06	34.64
PK	7.38472G	49.53	74.00	-24.47	40.74	3	Horizontal	339	1.80	-	37.30	6.38	34.89
AV	7.39064G	35.46	54.00	-18.54	26.67	3	Horizontal	339	1.80	-	37.30	6.39	34.90



802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2412MHz_TX



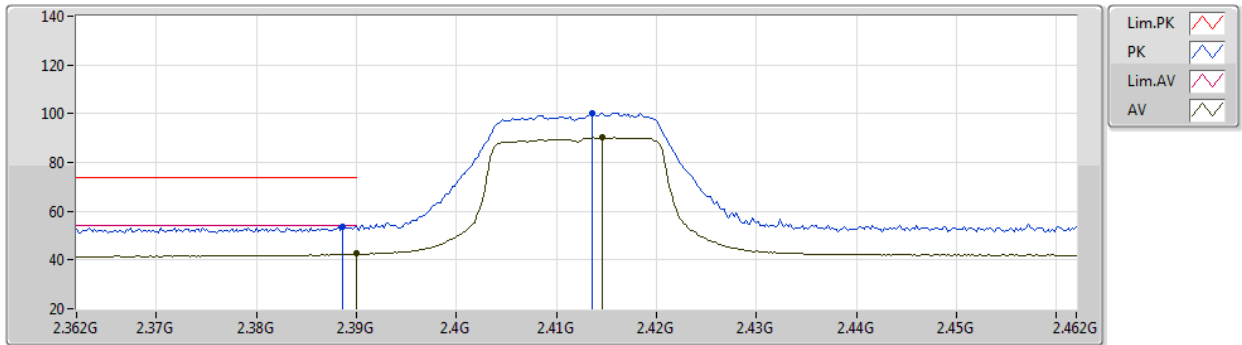
EUT Z_1TX
Setting Default
01-A-K-3

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	2.389G	54.10	74.00	-19.90	24.53	3	Vertical	172	2.71	-	27.38	2.19	-
AV	2.3898G	42.15	54.00	-11.85	12.58	3	Vertical	172	2.71	-	27.38	2.19	-
PK	2.4134G	99.91	Inf	-Inf	70.27	3	Vertical	172	2.71	-	27.43	2.21	-
AV	2.4136G	89.80	Inf	-Inf	60.16	3	Vertical	172	2.71	-	27.43	2.21	-

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2412MHz_TX



EUT Z_1TX
Setting Default
01-A-K-3

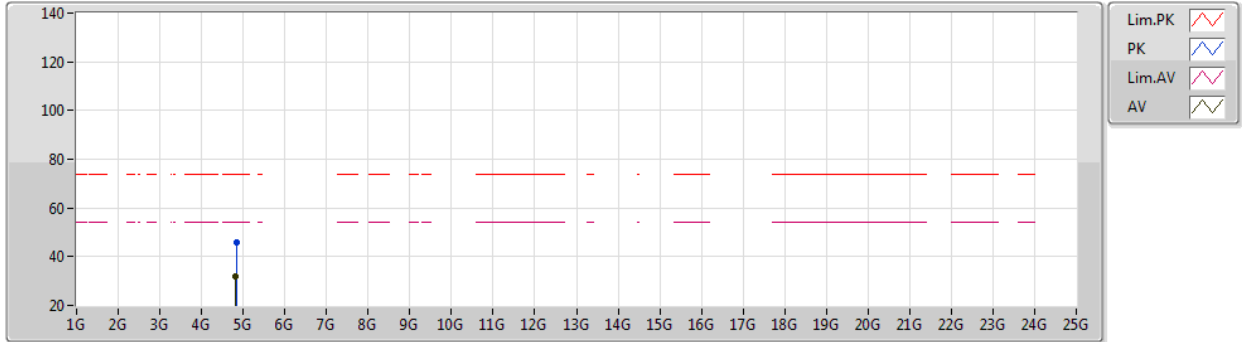
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PK	2.3886G	53.78	74.00	-20.22	24.21	3	Horizontal	253	2.11	-	27.38	2.19	-
AV	2.39G	42.72	54.00	-11.28	13.15	3	Horizontal	253	2.11	-	27.38	2.19	-
PK	2.4136G	100.29	Inf	-Inf	70.65	3	Horizontal	253	2.11	-	27.43	2.21	-
AV	2.4146G	90.17	Inf	-Inf	60.53	3	Horizontal	253	2.11	-	27.43	2.21	-



802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2412MHz_TX



EUT Z_1TX
Setting Default
01-A-K-3

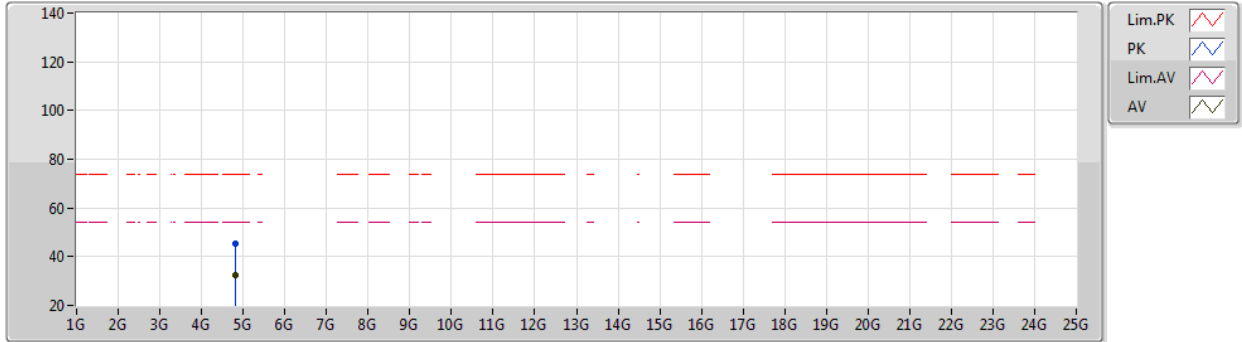
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PK	4.83006G	45.97	74.00	-28.03	43.39	3	Vertical	180	2.46	-	32.28	5.02	34.72
AV	4.82448G	32.10	54.00	-21.90	29.56	3	Vertical	180	2.46	-	32.25	5.01	34.72



802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2412MHz_TX



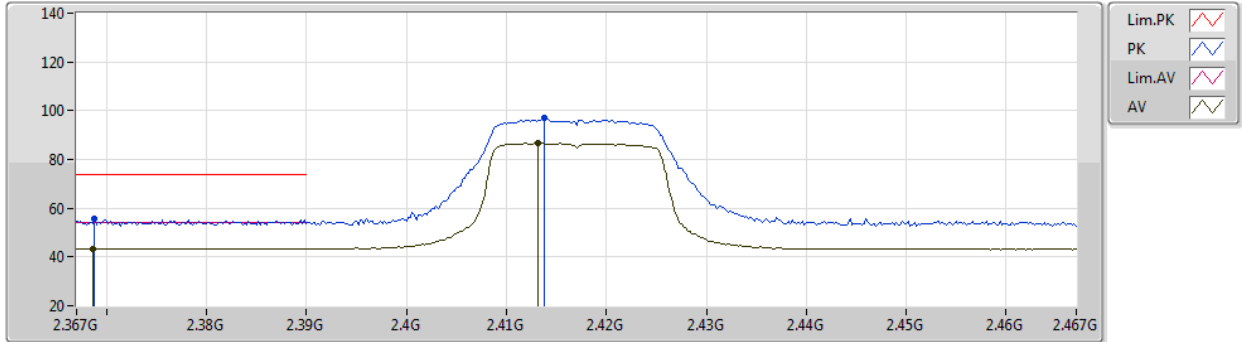
EUT Z_1TX
Setting Default
01-A-K-3

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	4.81968G	45.47	74.00	-28.53	42.97	3	Horizontal	231	1.07	-	32.22	5.01	34.73
AV	4.82466G	32.51	54.00	-21.49	29.97	3	Horizontal	231	1.07	-	32.25	5.01	34.72

802.11g_Nss1,(6Mbps)_1TX

30/11/2020

2417MHz_TX



EUT Z_1TX
Setting Default
06-D-K-3

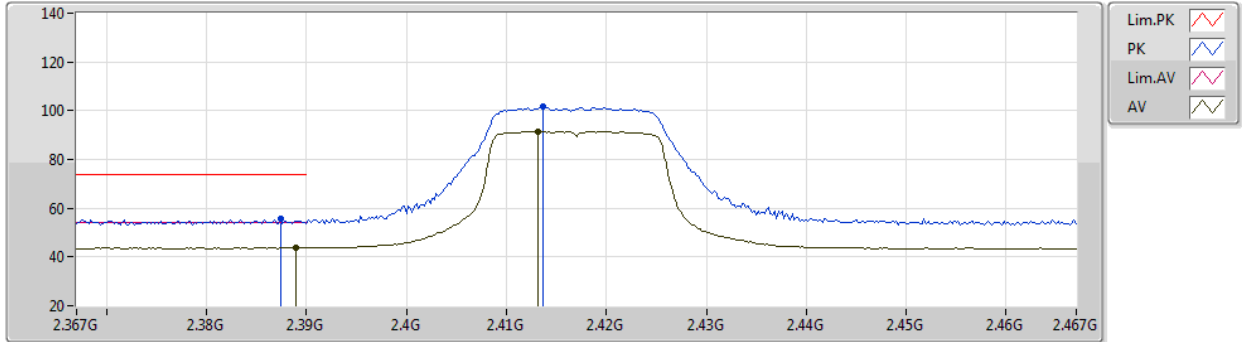
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3688G	55.44	74.00	-18.56	24.80	3	Vertical	235	2.12	-	27.60	3.04	-
AV	2.3686G	43.50	54.00	-10.50	12.86	3	Vertical	235	2.12	-	27.60	3.04	-
PK	2.4138G	97.01	Inf	-Inf	66.36	3	Vertical	235	2.12	-	27.54	3.11	-
AV	2.4132G	86.79	Inf	-Inf	56.13	3	Vertical	235	2.12	-	27.55	3.11	-



802.11g_Nss1,(6Mbps)_1TX

30/11/2020

2417MHz_TX



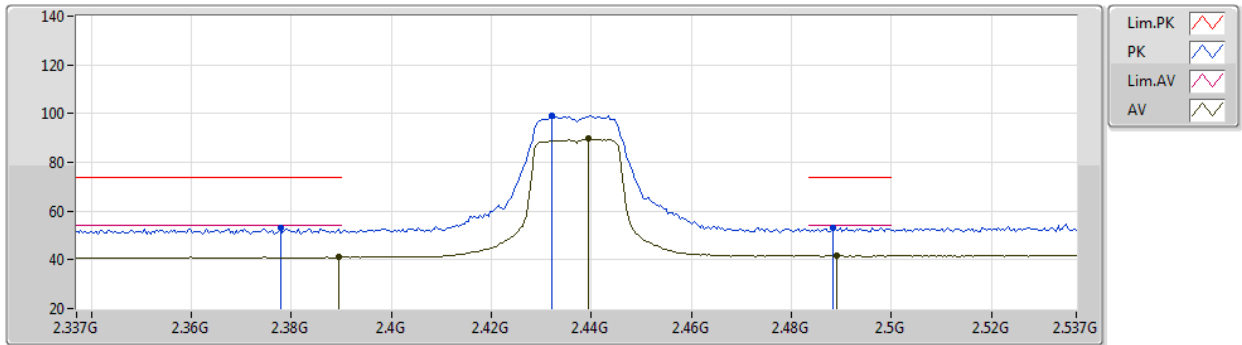
EUT Z_1TX
Setting Default
06-D-K-3

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	55.58	74.00	-18.42	24.91	3	Horizontal	171	1.54	-	27.60	3.07	-
AV	2.389G	43.88	54.00	-10.12	13.20	3	Horizontal	171	1.54	-	27.60	3.08	-
PK	2.4136G	101.85	Inf	-Inf	71.19	3	Horizontal	171	1.54	-	27.55	3.11	-
AV	2.4132G	91.52	Inf	-Inf	60.86	3	Horizontal	171	1.54	-	27.55	3.11	-

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2437MHz_TX



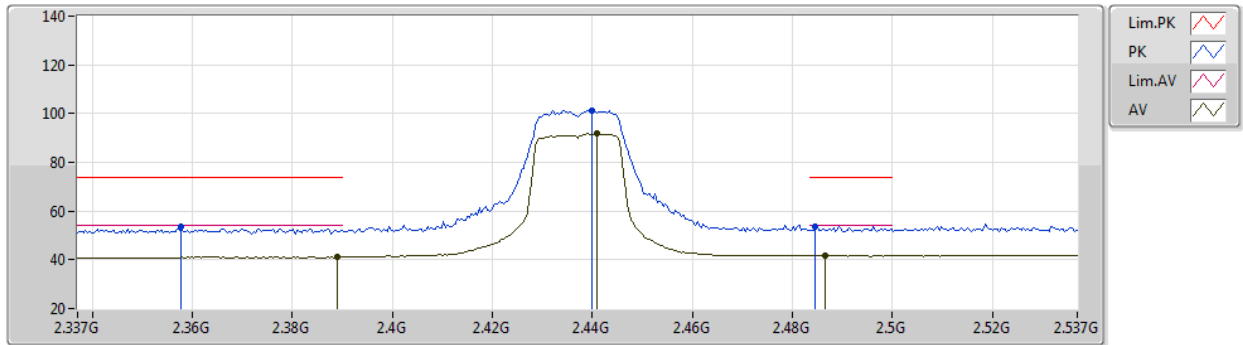
EUT Z_1TX
Setting Default
01-A-K-3

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	2.3778G	53.14	74.00	-20.86	23.60	3	Vertical	152	2.58	-	27.36	2.18	-
AV	2.3894G	40.99	54.00	-13.01	11.42	3	Vertical	152	2.58	-	27.38	2.19	-
PK	2.4322G	99.18	Inf	-Inf	69.49	3	Vertical	152	2.58	-	27.46	2.23	-
AV	2.4394G	89.68	Inf	-Inf	59.96	3	Vertical	152	2.58	-	27.48	2.24	-
PK	2.4882G	53.33	74.00	-20.67	23.31	3	Vertical	152	2.58	-	27.73	2.29	-
AV	2.489G	41.65	54.00	-12.35	11.63	3	Vertical	152	2.58	-	27.73	2.29	-

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2437MHz_TX



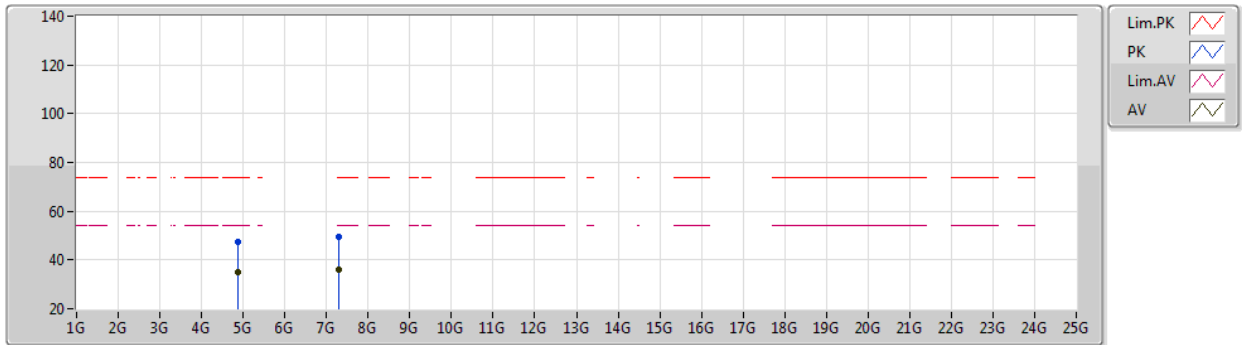
EUT Z_1TX
Setting Default
01-A-K-3

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	2.3578G	53.45	74.00	-20.55	23.97	3	Horizontal	237	1.16	-	27.32	2.16	-
AV	2.389G	41.18	54.00	-12.82	11.61	3	Horizontal	237	1.16	-	27.38	2.19	-
PK	2.4398G	101.27	Inf	-Inf	71.55	3	Horizontal	237	1.16	-	27.48	2.24	-
AV	2.441G	91.80	Inf	-Inf	62.08	3	Horizontal	237	1.16	-	27.48	2.24	-
PK	2.4846G	53.87	74.00	-20.13	23.88	3	Horizontal	237	1.16	-	27.71	2.28	-
AV	2.4866G	41.71	54.00	-12.29	11.70	3	Horizontal	237	1.16	-	27.72	2.29	-

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2437MHz_TX



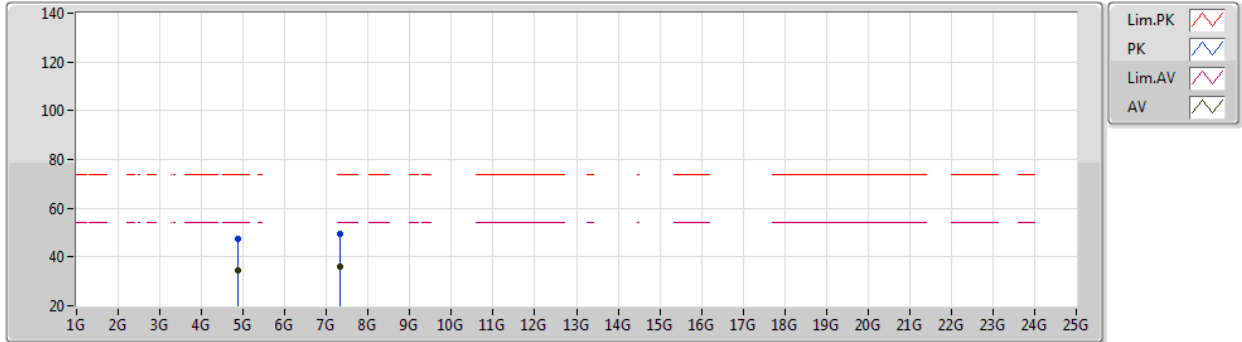
EUT Z_1TX
Setting Default
01-A-K-3

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	4.8758G	47.22	74.00	-26.78	44.41	3	Vertical	253	2.01	-	32.45	5.04	34.68
AV	4.8756G	34.93	54.00	-19.07	32.12	3	Vertical	253	2.01	-	32.45	5.04	34.68
PK	7.30966G	49.34	74.00	-24.66	40.77	3	Vertical	285	1.80	-	37.14	6.31	34.88
AV	7.30712G	36.00	54.00	-18.00	27.44	3	Vertical	285	1.80	-	37.13	6.31	34.88

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2437MHz_TX



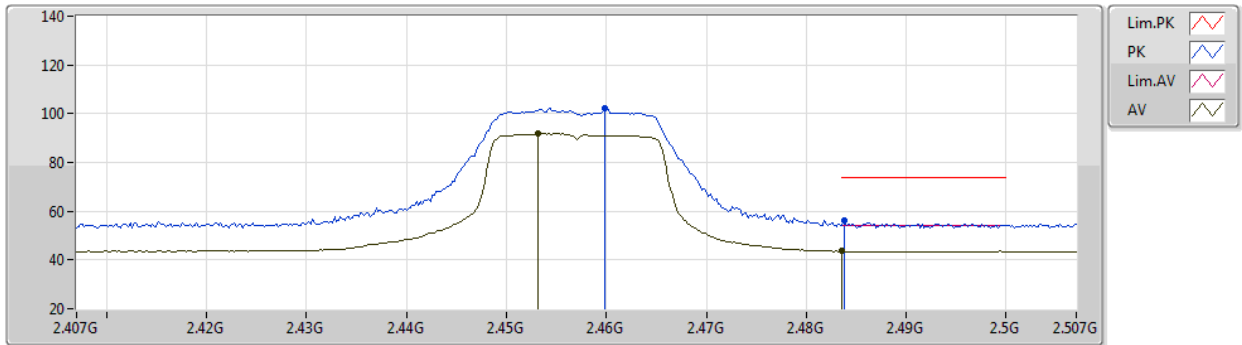
EUT Z_1TX
Setting Default
01-A-K-3

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	4.87874G	47.19	74.00	-26.81	44.37	3	Horizontal	279	1.14	-	32.46	5.04	34.68
AV	4.8735G	34.49	54.00	-19.51	31.68	3	Horizontal	279	1.14	-	32.45	5.04	34.68
PK	7.31141G	49.66	74.00	-24.34	41.08	3	Horizontal	100	1.80	-	37.15	6.31	34.88
AV	7.31198G	35.90	54.00	-18.10	27.32	3	Horizontal	100	1.80	-	37.15	6.31	34.88

802.11g_Nss1,(6Mbps)_1TX

30/11/2020

2457MHz_TX



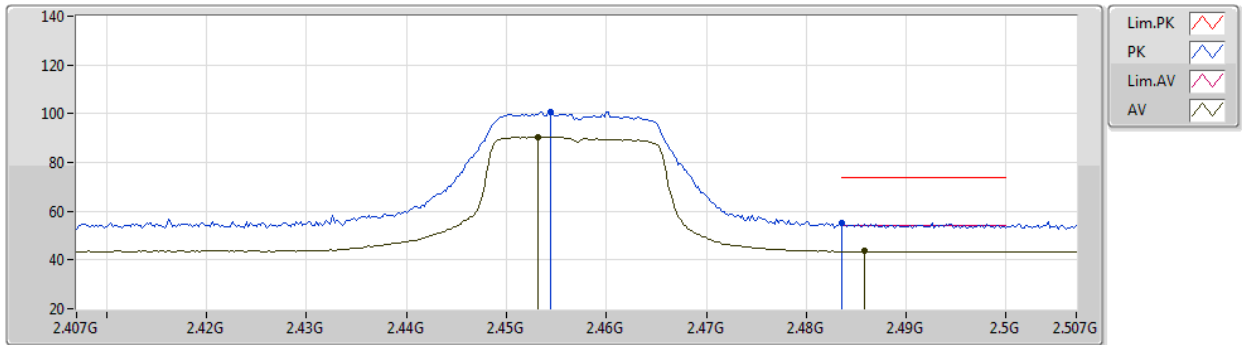
EUT Z_1TX
Setting Default
06-D-K-3

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	2.4598G	102.21	Inf	-Inf	71.65	3	Vertical	132	2.96	-	27.40	3.16	-
AV	2.4532G	91.89	Inf	-Inf	61.34	3	Vertical	132	2.96	-	27.40	3.15	-
PK	2.4838G	56.43	74.00	-17.57	25.85	3	Vertical	132	2.96	-	27.40	3.18	-
AV	2.4836G	43.71	54.00	-10.29	13.13	3	Vertical	132	2.96	-	27.40	3.18	-

802.11g_Nss1,(6Mbps)_1TX

30/11/2020

2457MHz_TX



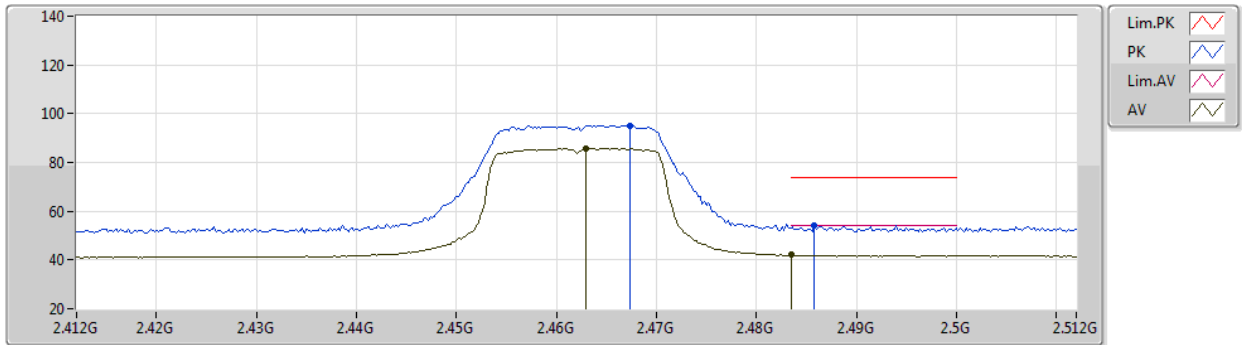
EUT Z_1TX
Setting Default
06-D-K-3

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	100.81	Inf	-Inf	70.26	3	Horizontal	196	2.96	-	27.40	3.15	-
AV	2.4532G	90.50	Inf	-Inf	59.95	3	Horizontal	196	2.96	-	27.40	3.15	-
PK	2.4836G	55.41	74.00	-18.59	24.83	3	Horizontal	196	2.96	-	27.40	3.18	-
AV	2.4858G	43.69	54.00	-10.31	13.10	3	Horizontal	196	2.96	-	27.40	3.19	-

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2462MHz_TX



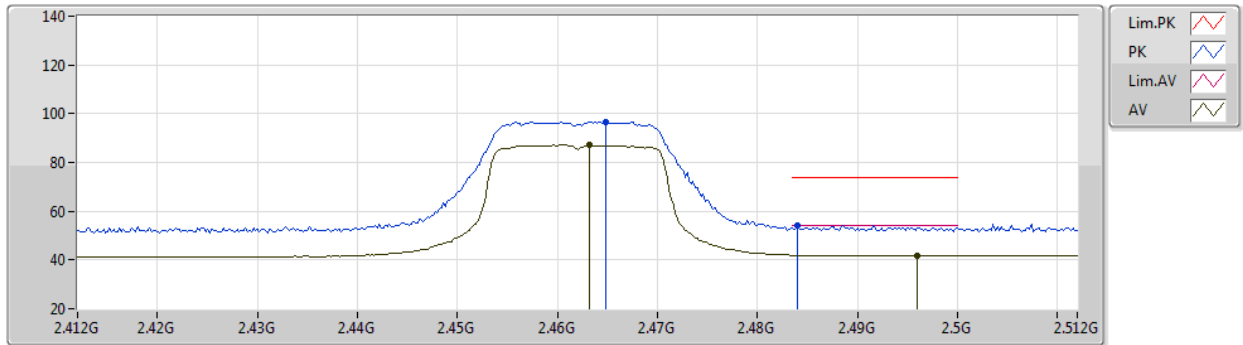
EUT Z_1TX
Setting Default
01-A-K-3

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	2.4674G	95.21	Inf	-Inf	65.34	3	Vertical	137	2.53	-	27.60	2.27	-
AV	2.463G	85.70	Inf	-Inf	55.86	3	Vertical	137	2.53	-	27.58	2.26	-
PK	2.4858G	54.06	74.00	-19.94	24.06	3	Vertical	137	2.53	-	27.71	2.29	-
AV	2.4835G	42.05	54.00	-11.95	12.07	3	Vertical	137	2.53	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2462MHz_TX



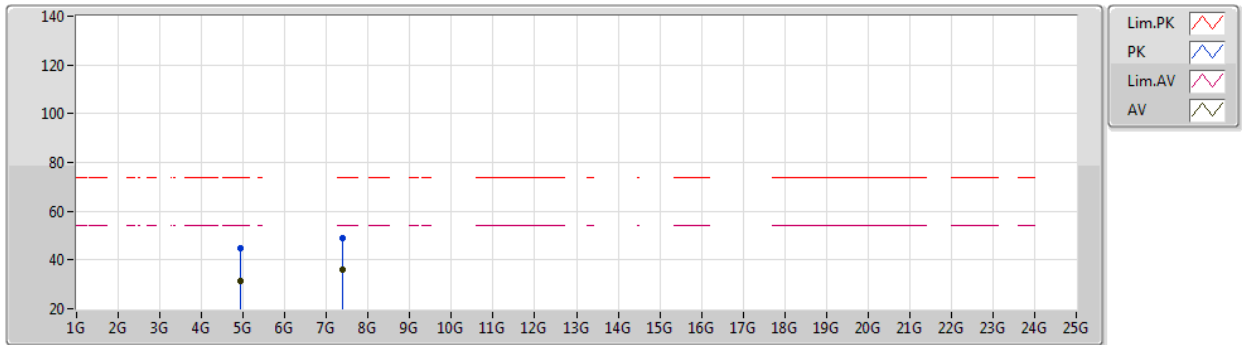
EUT Z_1TX
Setting Default
01-A-K-3

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	2.4648G	96.59	Inf	-Inf	66.74	3	Horizontal	259	1.57	-	27.59	2.26	-
AV	2.4632G	87.21	Inf	-Inf	57.37	3	Horizontal	259	1.57	-	27.58	2.26	-
PK	2.484G	54.26	74.00	-19.74	24.28	3	Horizontal	259	1.57	-	27.70	2.28	-
AV	2.496G	41.98	54.00	-12.02	11.90	3	Horizontal	259	1.57	-	27.78	2.30	-

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2462MHz_TX



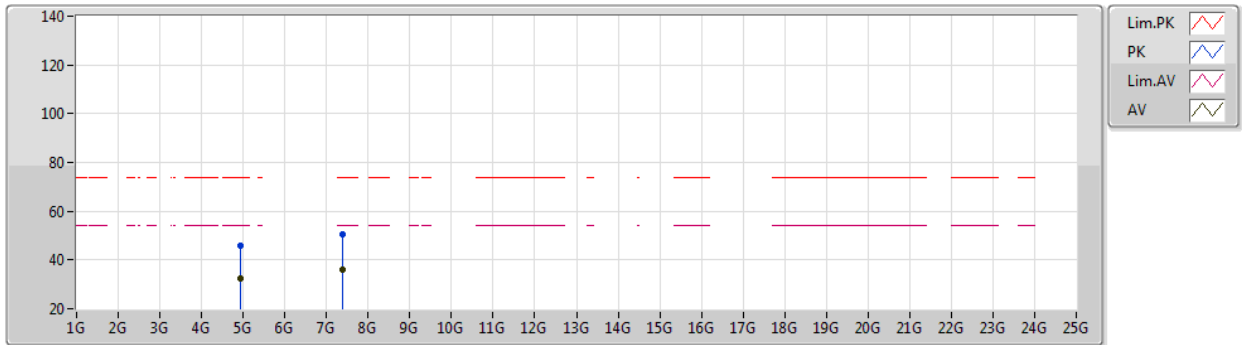
EUT Z_1TX
Setting Default
01-A-K-3

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	4.92328G	45.06	74.00	-28.94	42.00	3	Vertical	180	2.53	-	32.64	5.06	34.64
AV	4.92442G	31.42	54.00	-22.58	28.35	3	Vertical	180	2.53	-	32.65	5.06	34.64
PK	7.38545G	49.20	74.00	-24.80	40.40	3	Vertical	359	1.80	-	37.30	6.39	34.89
AV	7.38628G	36.10	54.00	-17.90	27.30	3	Vertical	359	1.80	-	37.30	6.39	34.89

802.11g_Nss1,(6Mbps)_1TX

28/11/2020

2462MHz_TX



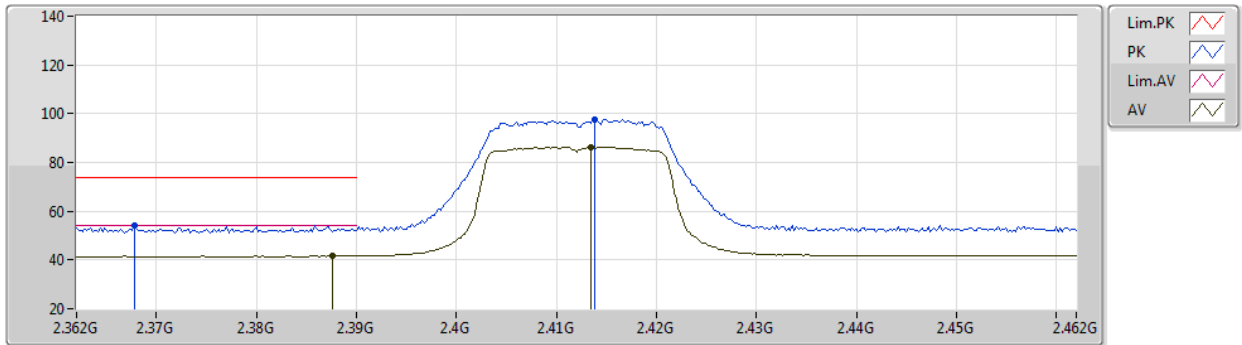
EUT Z_1TX
Setting Default
01-A-K-3

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	4.92338G	45.96	74.00	-28.04	42.90	3	Horizontal	85	1.20	-	32.64	5.06	34.64
AV	4.92348G	32.17	54.00	-21.83	29.11	3	Horizontal	85	1.20	-	32.64	5.06	34.64
PK	7.3866G	50.74	74.00	-23.26	41.95	3	Horizontal	0	1.90	-	37.30	6.39	34.90
AV	7.3853G	36.17	54.00	-17.83	27.37	3	Horizontal	0	1.90	-	37.30	6.39	34.89

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2412MHz_TX



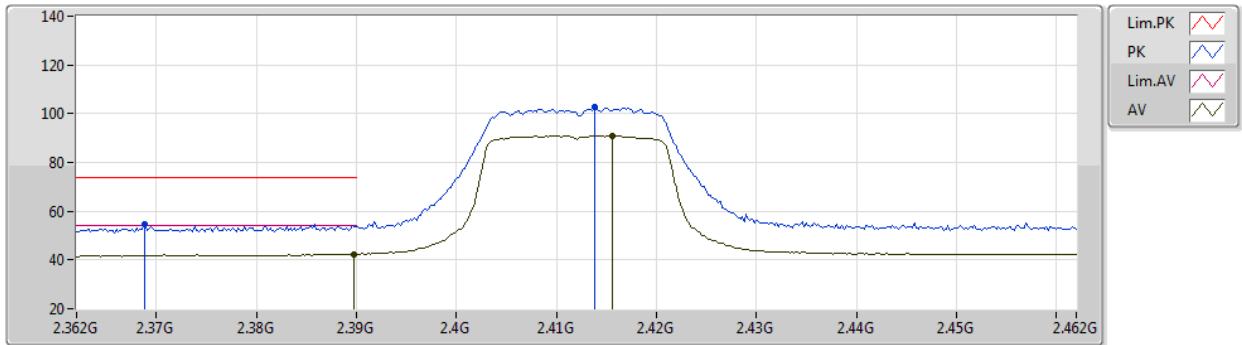
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3678G	54.08	74.00	-19.92	24.57	3	Vertical	123	2.61	-	27.34	2.17	-
AV	2.3876G	41.68	54.00	-12.32	12.11	3	Vertical	123	2.61	-	27.38	2.19	-
PK	2.4138G	97.61	Inf	-Inf	67.97	3	Vertical	123	2.61	-	27.43	2.21	-
AV	2.4134G	86.24	Inf	-Inf	56.60	3	Vertical	123	2.61	-	27.43	2.21	-

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2412MHz_TX



EUT Z_1TX
Setting Default
01-A-G-2

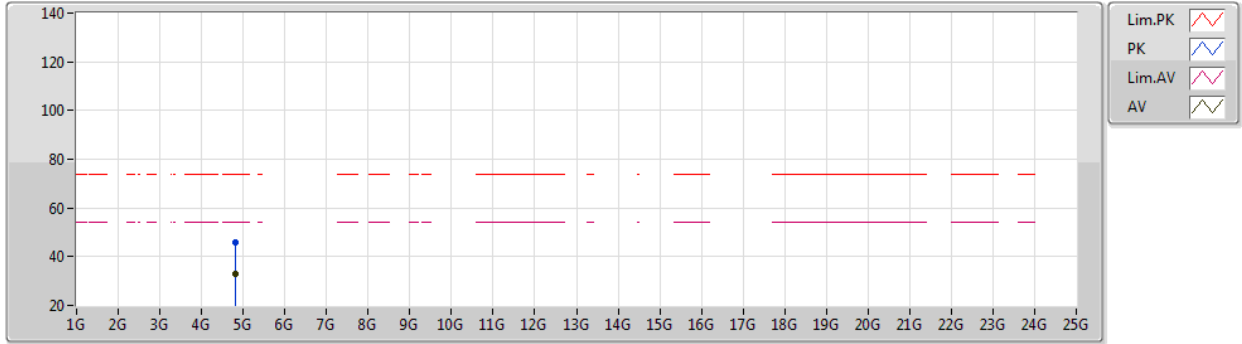
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3688G	54.85	74.00	-19.15	25.34	3	Horizontal	261	1.65	-	27.34	2.17	-
AV	2.3898G	42.48	54.00	-11.52	12.91	3	Horizontal	261	1.65	-	27.38	2.19	-
PK	2.4138G	102.52	Inf	-Inf	72.88	3	Horizontal	261	1.65	-	27.43	2.21	-
AV	2.4156G	91.01	Inf	-Inf	61.36	3	Horizontal	261	1.65	-	27.43	2.22	-



802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2412MHz_TX



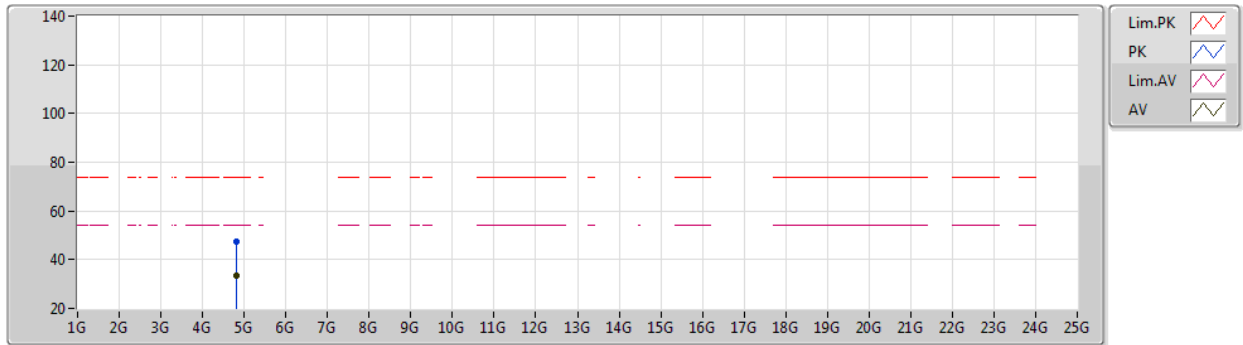
EUT Z_1TX
Setting Default
01-A-G-2

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	4.8197G	45.82	74.00	-28.18	43.32	3	Vertical	179	2.45	-	32.22	5.01	34.73
AV	4.824G	33.18	54.00	-20.82	30.65	3	Vertical	179	2.45	-	32.24	5.01	34.72

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2412MHz_TX



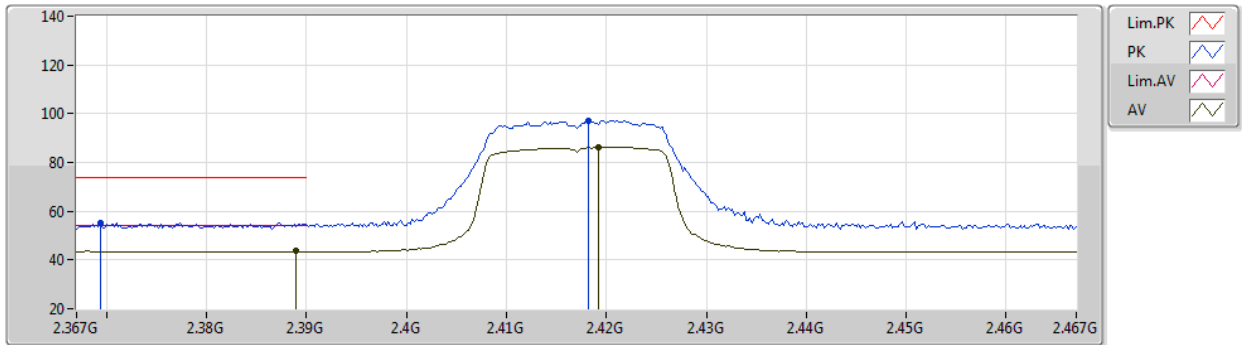
EUT Z_1TX
Setting Default
01-A-G-2

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	4.8268G	47.41	74.00	-26.59	44.86	3	Horizontal	207	1.00	-	32.26	5.01	34.72
AV	4.8242G	33.60	54.00	-20.40	31.06	3	Horizontal	207	1.00	-	32.25	5.01	34.72

802.11n HT20_Nss1,(MCS0)_1TX

30/11/2020

2417MHz_TX



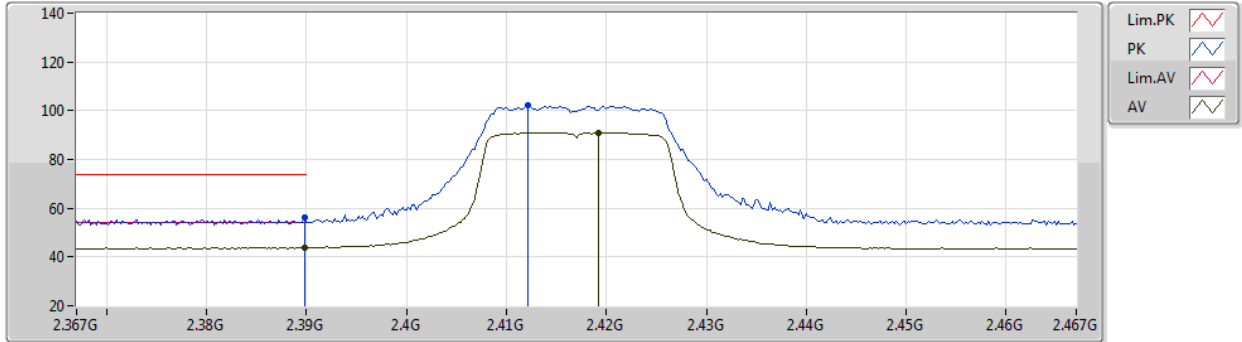
EUT Z_1TX
Setting Default
06-D-K-3

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	2.3694G	55.27	74.00	-18.73	24.63	3	Vertical	234	1.67	-	27.60	3.04	-
AV	2.389G	43.59	54.00	-10.41	12.91	3	Vertical	234	1.67	-	27.60	3.08	-
PK	2.4182G	97.07	Inf	-Inf	66.42	3	Vertical	234	1.67	-	27.53	3.12	-
AV	2.4192G	86.42	Inf	-Inf	55.78	3	Vertical	234	1.67	-	27.52	3.12	-

802.11n HT20_Nss1,(MCS0)_1TX

30/11/2020

2417MHz_TX



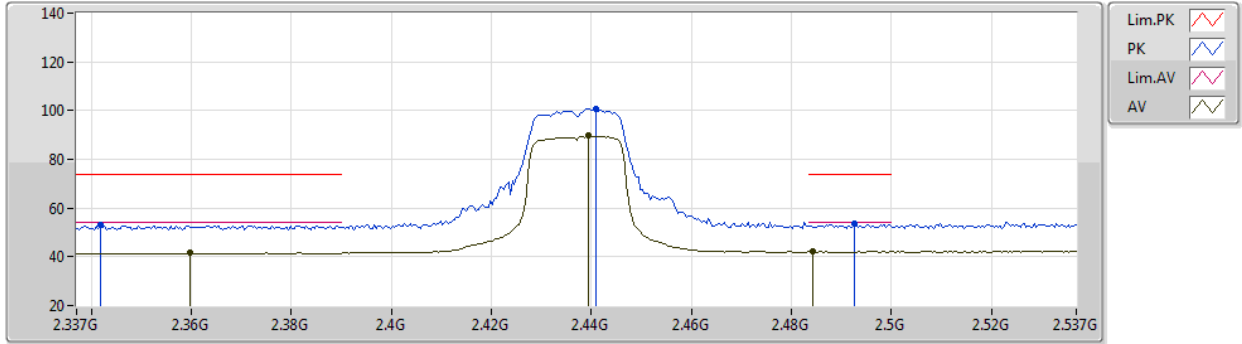
EUT Z_1TX
Setting Default
06-D-K-3

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	56.08	74.00	-17.92	25.40	3	Horizontal	172	1.53	-	27.60	3.08	-
AV	2.3898G	43.81	54.00	-10.19	13.13	3	Horizontal	172	1.53	-	27.60	3.08	-
PK	2.4122G	102.08	Inf	-Inf	71.42	3	Horizontal	172	1.53	-	27.55	3.11	-
AV	2.4192G	91.02	Inf	-Inf	60.38	3	Horizontal	172	1.53	-	27.52	3.12	-

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



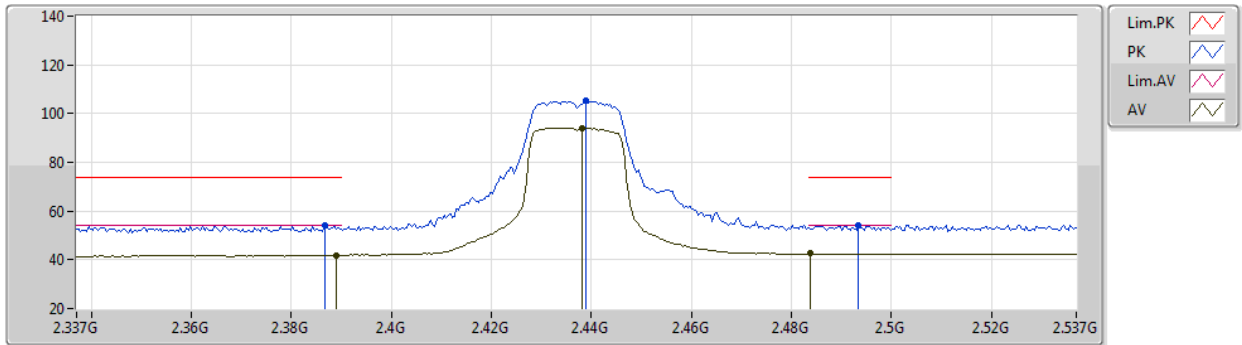
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3418G	52.85	74.00	-21.15	23.41	3	Vertical	123	2.08	-	27.30	2.14	-
AV	2.3598G	41.57	54.00	-12.43	12.09	3	Vertical	123	2.08	-	27.32	2.16	-
PK	2.441G	100.82	Inf	-Inf	71.10	3	Vertical	123	2.08	-	27.48	2.24	-
AV	2.4394G	89.67	Inf	-Inf	59.95	3	Vertical	123	2.08	-	27.48	2.24	-
PK	2.4926G	53.58	74.00	-20.42	23.53	3	Vertical	123	2.08	-	27.76	2.29	-
AV	2.4842G	42.20	54.00	-11.80	12.21	3	Vertical	123	2.08	-	27.71	2.28	-

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



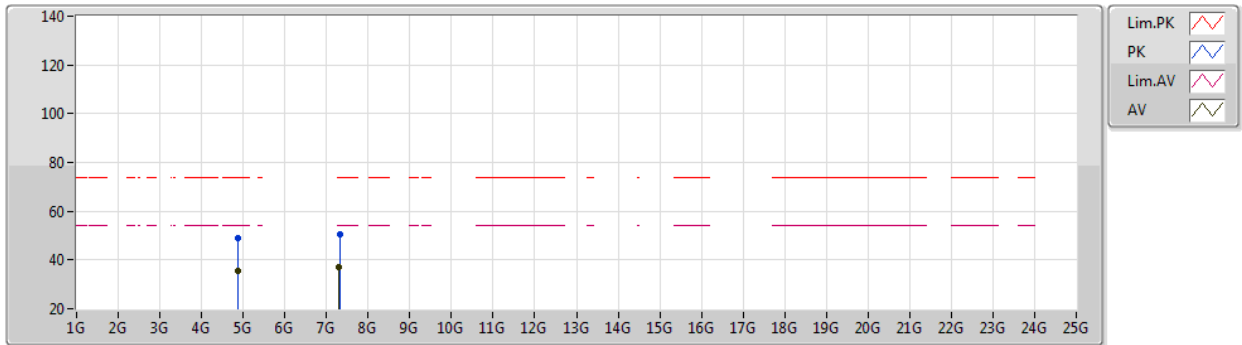
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3866G	54.04	74.00	-19.96	24.48	3	Horizontal	262	1.39	-	27.37	2.19	-
AV	2.389G	41.97	54.00	-12.03	12.40	3	Horizontal	262	1.39	-	27.38	2.19	-
PK	2.439G	105.23	Inf	-Inf	75.51	3	Horizontal	262	1.39	-	27.48	2.24	-
AV	2.4382G	94.12	Inf	-Inf	64.40	3	Horizontal	262	1.39	-	27.48	2.24	-
PK	2.4934G	53.99	74.00	-20.01	23.94	3	Horizontal	262	1.39	-	27.76	2.29	-
AV	2.4838G	42.52	54.00	-11.48	12.54	3	Horizontal	262	1.39	-	27.70	2.28	-

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



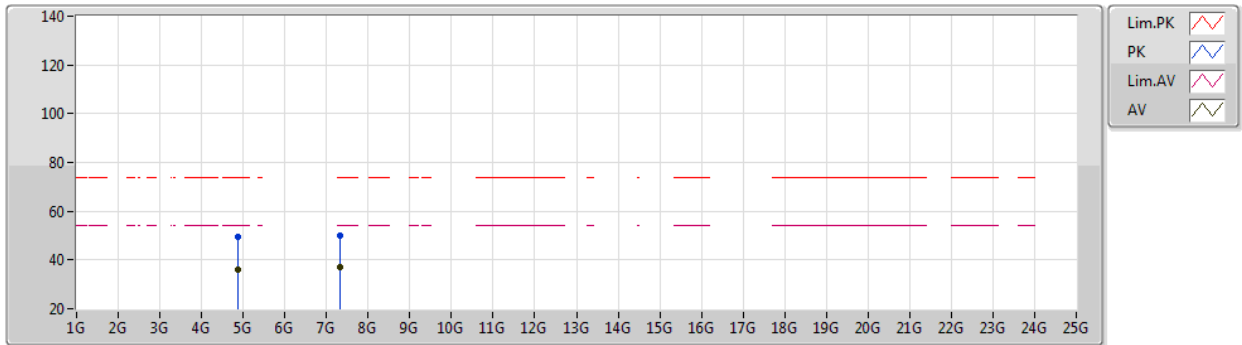
EUT Z_1TX
Setting Default
01-A-G-2

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	4.87134G	48.84	74.00	-25.16	46.05	3	Vertical	177	2.45	-	32.44	5.04	34.69
AV	4.87516G	35.54	54.00	-18.46	32.73	3	Vertical	177	2.45	-	32.45	5.04	34.68
PK	7.31366G	50.41	74.00	-23.59	41.83	3	Vertical	186	2.73	-	37.15	6.31	34.88
AV	7.3086G	36.90	54.00	-17.10	28.34	3	Vertical	186	2.73	-	37.13	6.31	34.88

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



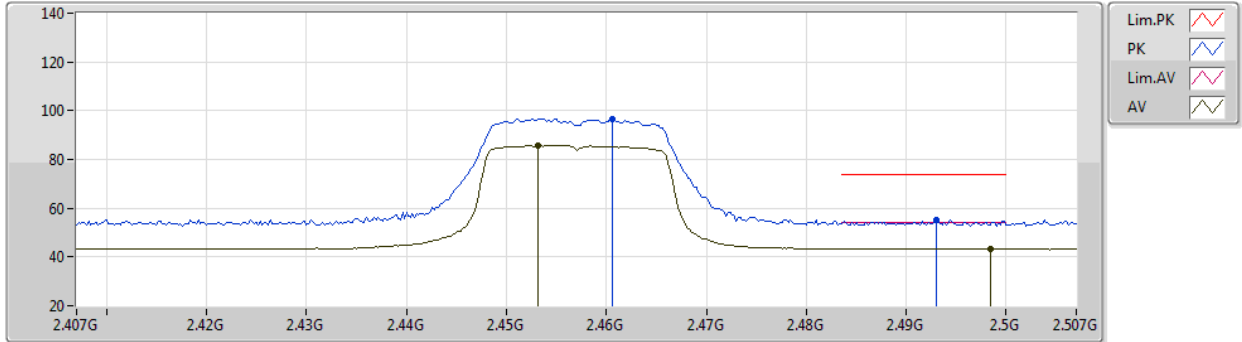
EUT Z_1TX
Setting Default
01-A-G-2

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	4.87614G	49.69	74.00	-24.31	46.88	3	Horizontal	205	1.02	-	32.45	5.04	34.68
AV	4.87478G	35.93	54.00	-18.07	33.12	3	Horizontal	205	1.02	-	32.45	5.04	34.68
PK	7.31136G	49.93	74.00	-24.07	41.35	3	Horizontal	196	2.23	-	37.15	6.31	34.88
AV	7.3156G	36.84	54.00	-17.16	28.24	3	Horizontal	196	2.23	-	37.16	6.32	34.88

802.11n HT20_Nss1,(MCS0)_1TX

30/11/2020

2457MHz_TX



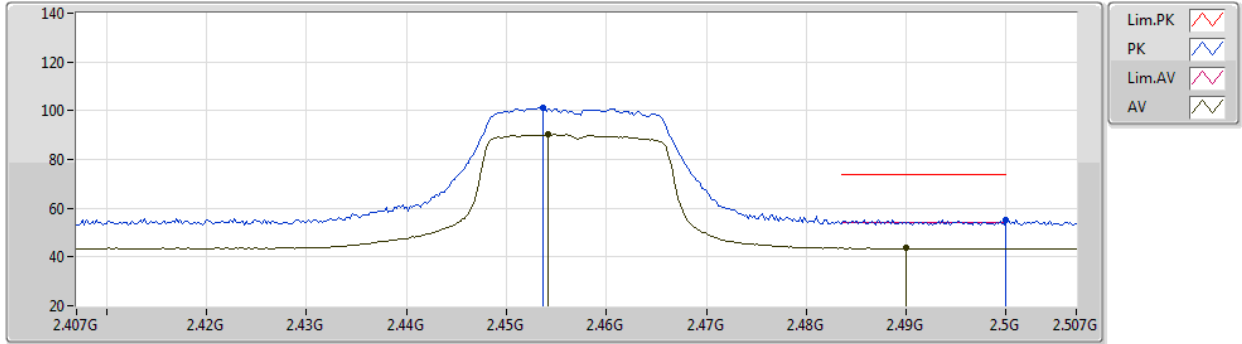
EUT Z_1TX
Setting Default
06-D-K-3

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	2.4606G	96.80	Inf	-Inf	66.24	3	Vertical	233	1.81	-	27.40	3.16	-
AV	2.4532G	85.72	Inf	-Inf	55.17	3	Vertical	233	1.81	-	27.40	3.15	-
PK	2.493G	55.22	74.00	-18.78	24.63	3	Vertical	233	1.81	-	27.40	3.19	-
AV	2.4984G	43.39	54.00	-10.61	12.79	3	Vertical	233	1.81	-	27.40	3.20	-

802.11n HT20_Nss1,(MCS0)_1TX

30/11/2020

2457MHz_TX



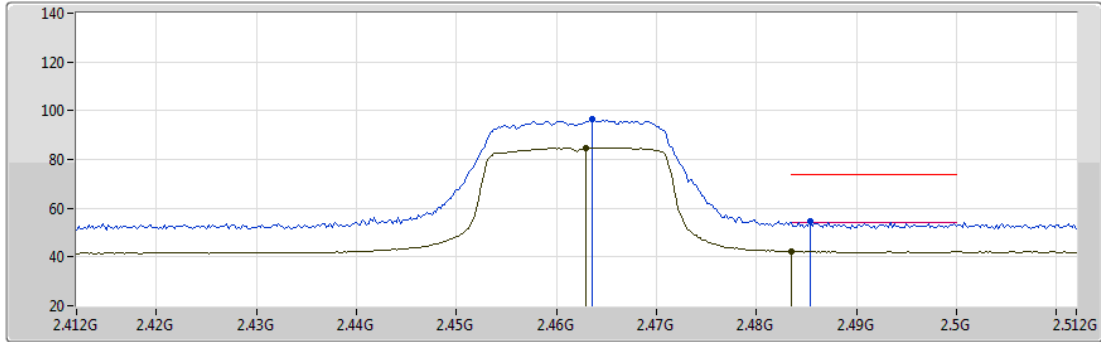
EUT Z_1TX
Setting Default
06-D-K-3

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	2.4536G	101.36	Inf	-Inf	70.81	3	Horizontal	194	2.35	-	27.40	3.15	-
AV	2.4542G	90.14	Inf	-Inf	59.59	3	Horizontal	194	2.35	-	27.40	3.15	-
PK	2.5G	55.38	74.00	-18.62	24.78	3	Horizontal	194	2.35	-	27.40	3.20	-
AV	2.49G	43.65	54.00	-10.35	13.06	3	Horizontal	194	2.35	-	27.40	3.19	-

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2462MHz_TX



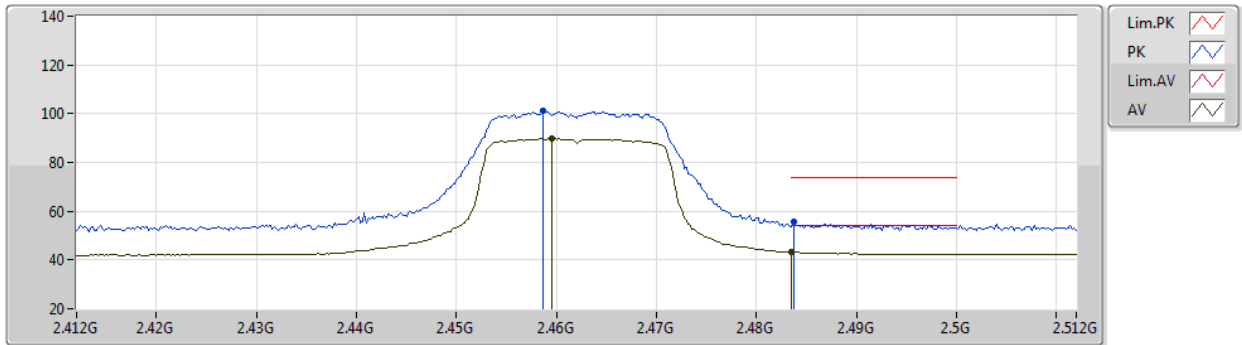
EUT Z_1TX
Setting Default
01-A-G-2

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	2.463G	96.33	Inf	-Inf	66.49	3	Vertical	123	2.51	-	27.58	2.26	-
AV	2.463G	84.83	Inf	-Inf	54.99	3	Vertical	123	2.51	-	27.58	2.26	-
PK	2.4854G	54.63	74.00	-19.37	24.63	3	Vertical	123	2.51	-	27.71	2.29	-
AV	2.4835G	42.24	54.00	-11.76	12.26	3	Vertical	123	2.51	-	27.70	2.28	-

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2462MHz_TX



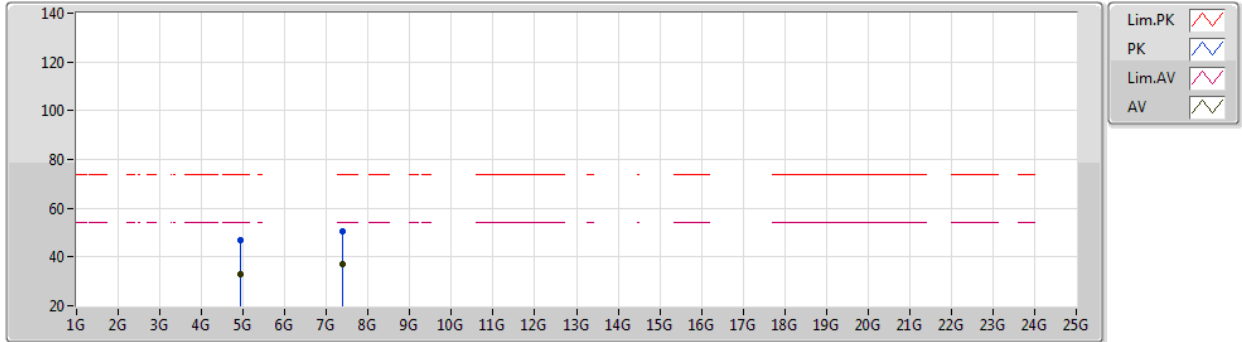
EUT Z_1TX
Setting Default
01-A-G-2

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	2.4586G	101.11	Inf	-Inf	71.30	3	Horizontal	261	1.18	-	27.55	2.26	-
AV	2.4596G	89.74	Inf	-Inf	59.92	3	Horizontal	261	1.18	-	27.56	2.26	-
PK	2.4838G	55.54	74.00	-18.46	25.56	3	Horizontal	261	1.18	-	27.70	2.28	-
AV	2.4835G	43.29	54.00	-10.71	13.31	3	Horizontal	261	1.18	-	27.70	2.28	-

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2462MHz_TX



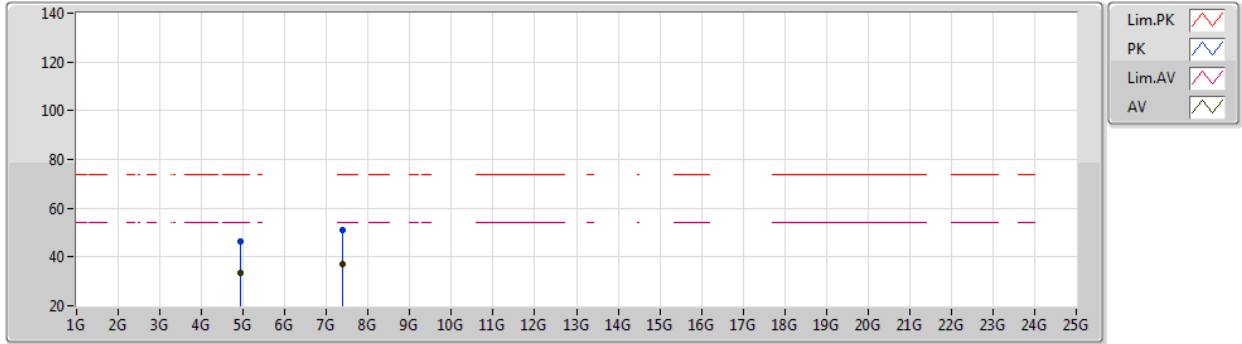
EUT Z_1TX
Setting Default
01-A-G-2

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	4.92538G	47.09	74.00	-26.91	44.02	3	Vertical	174	2.40	-	32.65	5.06	34.64
AV	4.92382G	33.08	54.00	-20.92	30.02	3	Vertical	174	2.40	-	32.64	5.06	34.64
PK	7.3893G	50.45	74.00	-23.55	41.66	3	Vertical	195	2.57	-	37.30	6.39	34.90
AV	7.38492G	36.94	54.00	-17.06	28.15	3	Vertical	195	2.57	-	37.30	6.38	34.89

802.11n HT20_Nss1,(MCS0)_1TX

28/11/2020

2462MHz_TX



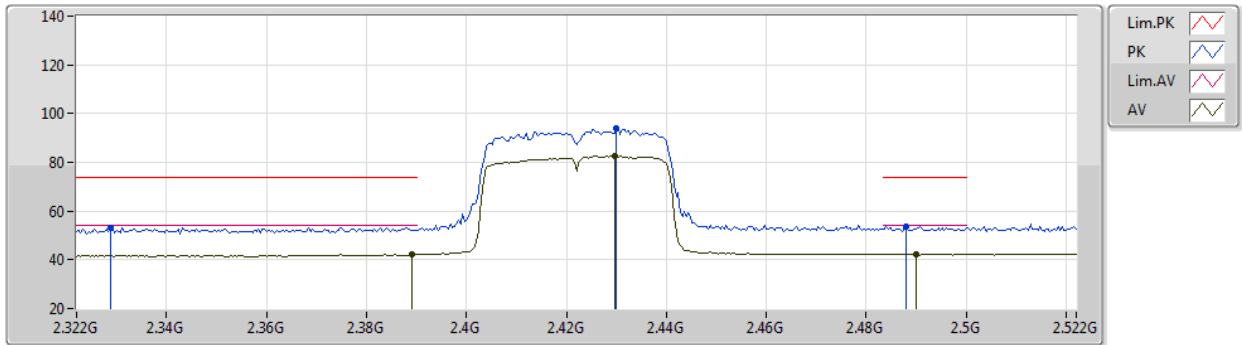
EUT Z_1TX
Setting Default
01-A-G-2

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	4.92528G	46.54	74.00	-27.46	43.47	3	Horizontal	86	1.17	-	32.65	5.06	34.64
AV	4.92388G	33.26	54.00	-20.74	30.20	3	Horizontal	86	1.17	-	32.64	5.06	34.64
PK	7.38754G	50.87	74.00	-23.13	42.08	3	Horizontal	321	1.80	-	37.30	6.39	34.90
AV	7.38582G	37.16	54.00	-16.84	28.36	3	Horizontal	321	1.80	-	37.30	6.39	34.89

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2422MHz_TX



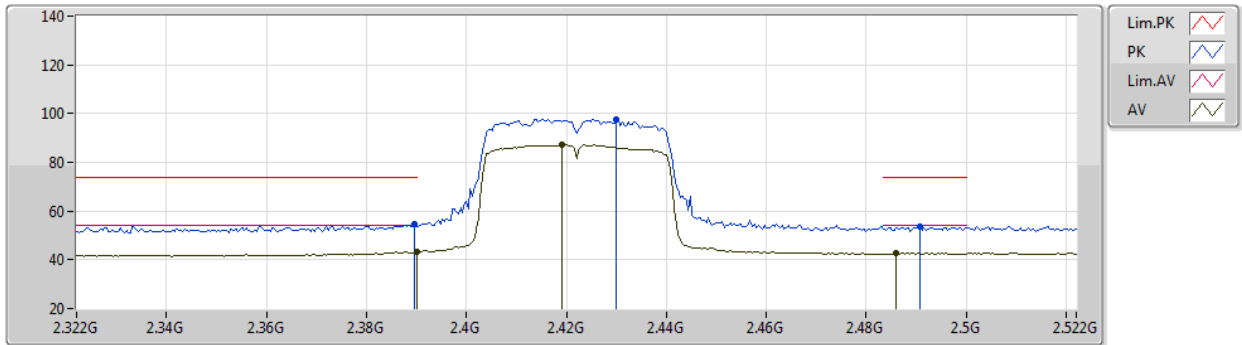
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3288G	53.34	74.00	-20.66	23.91	3	Vertical	122	2.05	-	27.30	2.13	-
AV	2.3892G	42.14	54.00	-11.86	12.57	3	Vertical	122	2.05	-	27.38	2.19	-
PK	2.43G	94.13	Inf	-Inf	64.44	3	Vertical	122	2.05	-	27.46	2.23	-
AV	2.4296G	82.53	Inf	-Inf	52.84	3	Vertical	122	2.05	-	27.46	2.23	-
PK	2.488G	53.57	74.00	-20.43	23.55	3	Vertical	122	2.05	-	27.73	2.29	-
AV	2.49G	42.43	54.00	-11.57	12.40	3	Vertical	122	2.05	-	27.74	2.29	-

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2422MHz_TX



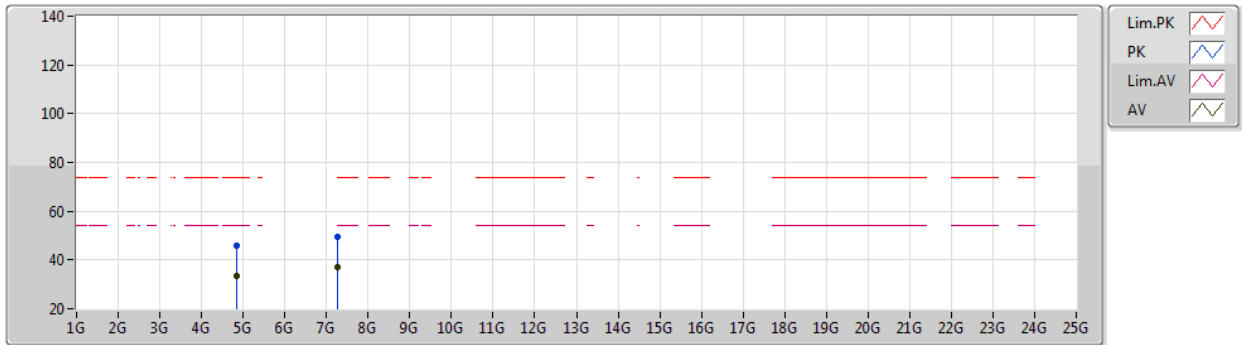
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3896G	54.91	74.00	-19.09	25.34	3	Horizontal	260	1.00	-	27.38	2.19	-
AV	2.39G	43.23	54.00	-10.77	13.66	3	Horizontal	260	1.00	-	27.38	2.19	-
PK	2.43G	97.81	Inf	-Inf	68.12	3	Horizontal	260	1.00	-	27.46	2.23	-
AV	2.4192G	87.20	Inf	-Inf	57.54	3	Horizontal	260	1.00	-	27.44	2.22	-
PK	2.4908G	53.77	74.00	-20.23	23.74	3	Horizontal	260	1.00	-	27.74	2.29	-
AV	2.486G	42.77	54.00	-11.23	12.76	3	Horizontal	260	1.00	-	27.72	2.29	-

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2422MHz_TX



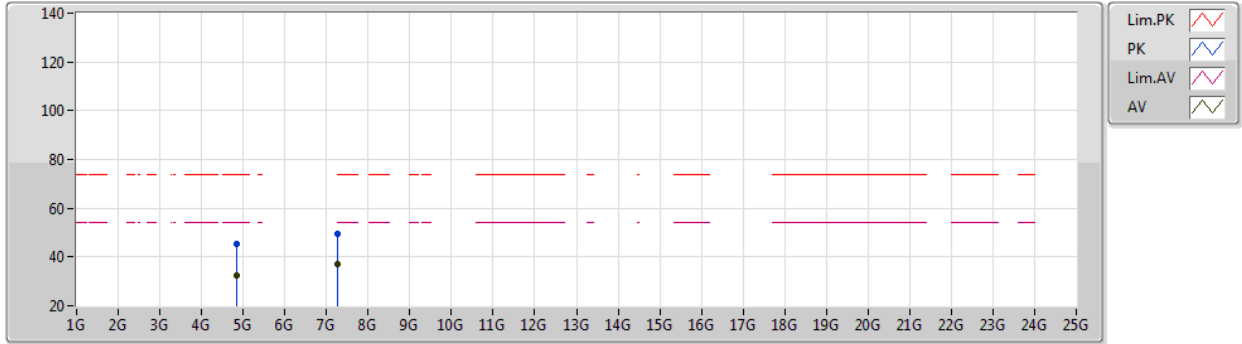
EUT Z_1TX
Setting Default
01-A-G-2

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	4.8397G	45.74	74.00	-28.26	43.09	3	Vertical	171	2.60	-	32.34	5.02	34.71
AV	4.8438G	33.23	54.00	-20.77	30.56	3	Vertical	171	2.60	-	32.36	5.02	34.71
PK	7.26582G	49.27	74.00	-24.73	40.84	3	Vertical	133	2.76	-	37.03	6.27	34.87
AV	7.26558G	37.30	54.00	-16.70	28.87	3	Vertical	133	2.76	-	37.03	6.27	34.87

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2422MHz_TX



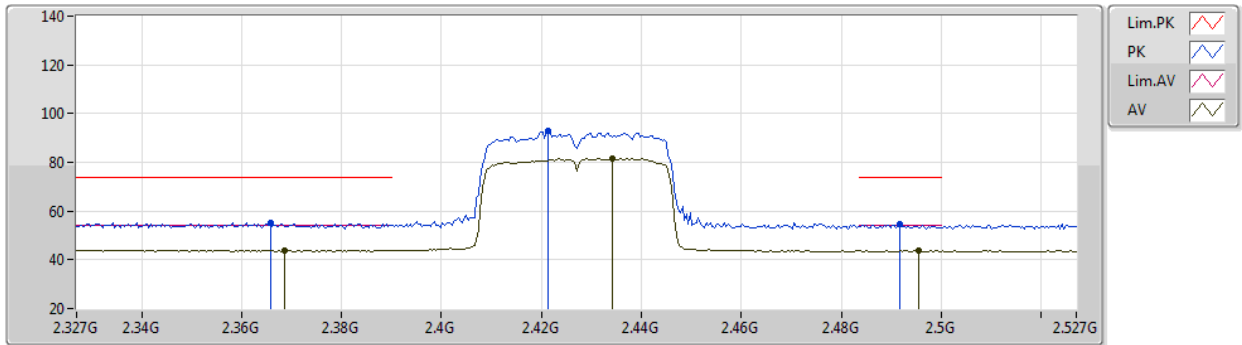
EUT Z_1TX
Setting Default
01-A-G-2

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	4.84322G	45.53	74.00	-28.47	42.86	3	Horizontal	177	1.80	-	32.36	5.02	34.71
AV	4.84442G	32.60	54.00	-21.40	29.92	3	Horizontal	177	1.80	-	32.37	5.02	34.71
PK	7.26348G	49.45	74.00	-24.55	41.03	3	Horizontal	315	2.09	-	37.03	6.26	34.87
AV	7.2703G	37.24	54.00	-16.76	28.80	3	Horizontal	315	2.09	-	37.04	6.27	34.87

802.11n HT40_Nss1,(MCS0)_1TX

30/11/2020

2427MHz_TX



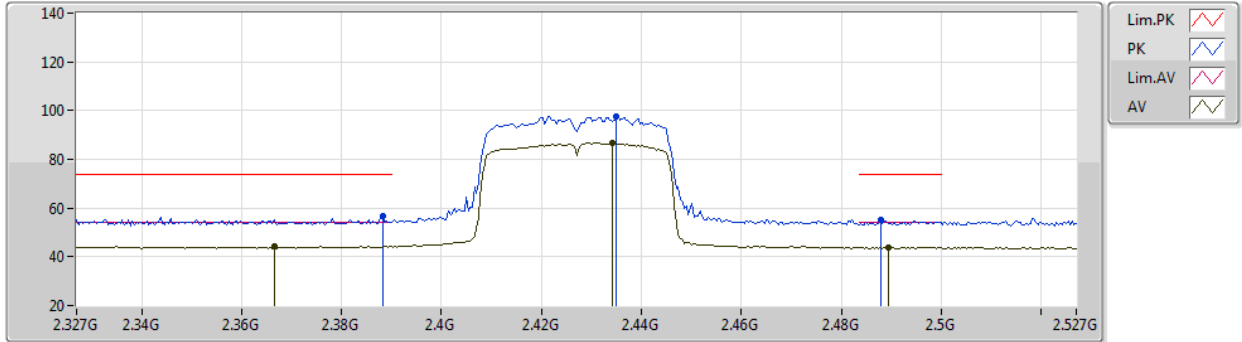
EUT Z_1TX
Setting Default
06-D-K-3

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	55.33	74.00	-18.67	24.70	3	Vertical	233	1.87	-	27.60	3.03	-
AV	2.3686G	44.02	54.00	-9.98	13.38	3	Vertical	233	1.87	-	27.60	3.04	-
PK	2.4214G	92.85	Inf	-Inf	62.22	3	Vertical	233	1.87	-	27.51	3.12	-
AV	2.4342G	81.79	Inf	-Inf	51.20	3	Vertical	233	1.87	-	27.46	3.13	-
PK	2.4918G	54.78	74.00	-19.22	24.19	3	Vertical	233	1.87	-	27.40	3.19	-
AV	2.4954G	43.92	54.00	-10.08	13.32	3	Vertical	233	1.87	-	27.40	3.20	-

802.11n HT40_Nss1,(MCS0)_1TX

30/11/2020

2427MHz_TX



EUT Z_1TX
Setting Default
06-D-K-3

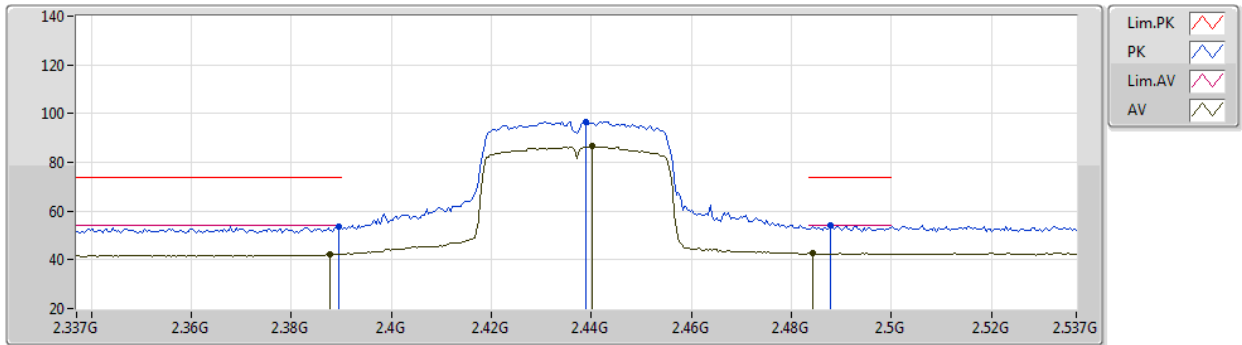
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	56.66	74.00	-17.34	25.98	3	Horizontal	172	1.50	-	27.60	3.08	-
AV	2.3666G	44.39	54.00	-9.61	13.76	3	Horizontal	172	1.50	-	27.60	3.03	-
PK	2.435G	97.47	Inf	-Inf	66.87	3	Horizontal	172	1.50	-	27.46	3.14	-
AV	2.4342G	86.84	Inf	-Inf	56.25	3	Horizontal	172	1.50	-	27.46	3.13	-
PK	2.4878G	54.93	74.00	-19.07	24.34	3	Horizontal	172	1.50	-	27.40	3.19	-
AV	2.4894G	43.80	54.00	-10.20	13.21	3	Horizontal	172	1.50	-	27.40	3.19	-



802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



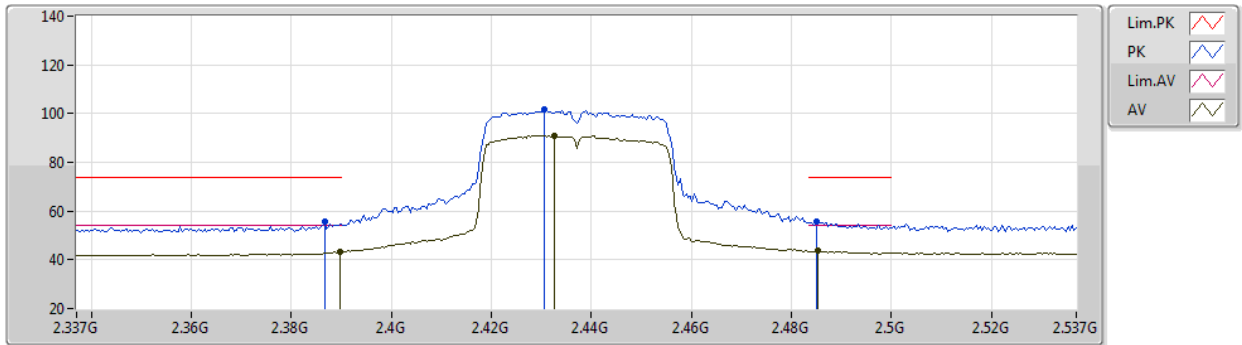
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3894G	53.82	74.00	-20.18	24.25	3	Vertical	121	2.07	-	27.38	2.19	-
AV	2.3878G	42.11	54.00	-11.89	12.54	3	Vertical	121	2.07	-	27.38	2.19	-
PK	2.439G	96.75	Inf	-Inf	67.03	3	Vertical	121	2.07	-	27.48	2.24	-
AV	2.4402G	86.48	Inf	-Inf	56.76	3	Vertical	121	2.07	-	27.48	2.24	-
PK	2.4878G	53.98	74.00	-20.02	23.96	3	Vertical	121	2.07	-	27.73	2.29	-
AV	2.4842G	42.61	54.00	-11.39	12.62	3	Vertical	121	2.07	-	27.71	2.28	-

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



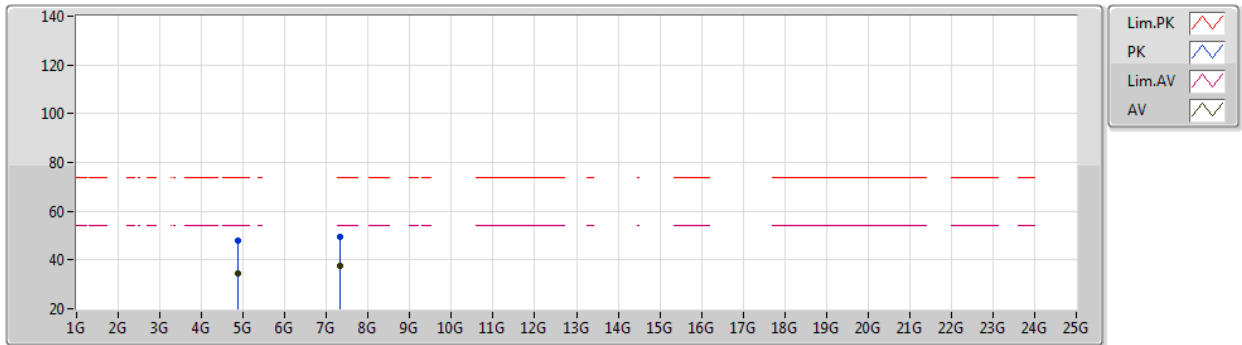
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3866G	55.53	74.00	-18.47	25.97	3	Horizontal	261	1.39	-	27.37	2.19	-
AV	2.3898G	43.13	54.00	-10.87	13.56	3	Horizontal	261	1.39	-	27.38	2.19	-
PK	2.4306G	101.52	Inf	-Inf	71.83	3	Horizontal	261	1.39	-	27.46	2.23	-
AV	2.4326G	90.96	Inf	-Inf	61.26	3	Horizontal	261	1.39	-	27.47	2.23	-
PK	2.485G	55.78	74.00	-18.22	25.78	3	Horizontal	261	1.39	-	27.71	2.29	-
AV	2.4854G	43.58	54.00	-10.42	13.58	3	Horizontal	261	1.39	-	27.71	2.29	-

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



EUT Z_1TX
Setting Default
01-A-G-2

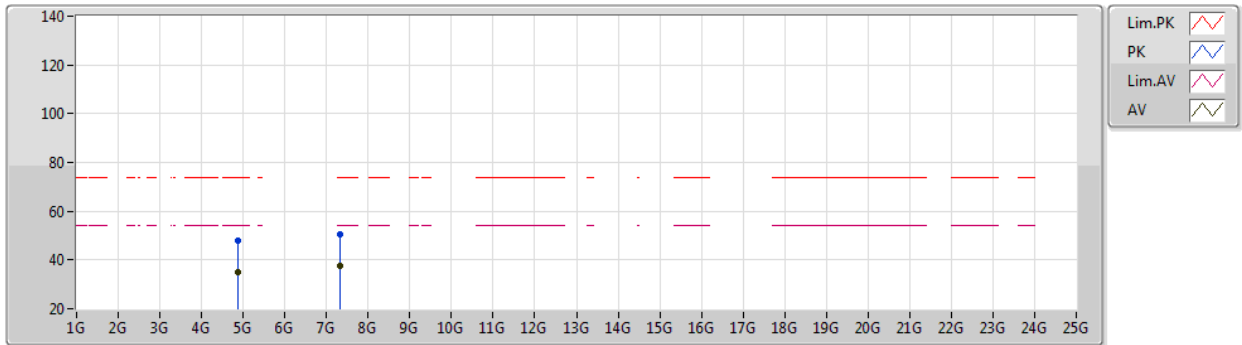
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PK	4.87482G	48.13	74.00	-25.87	45.32	3	Vertical	176	2.43	-	32.45	5.04	34.68
AV	4.87634G	34.58	54.00	-19.42	31.77	3	Vertical	176	2.43	-	32.45	5.04	34.68
PK	7.31262G	49.51	74.00	-24.49	40.93	3	Vertical	214	2.62	-	37.15	6.31	34.88
AV	7.31254G	37.42	54.00	-16.58	28.84	3	Vertical	214	2.62	-	37.15	6.31	34.88



802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2437MHz_TX



EUT Z_1TX
Setting Default
01-A-G-2

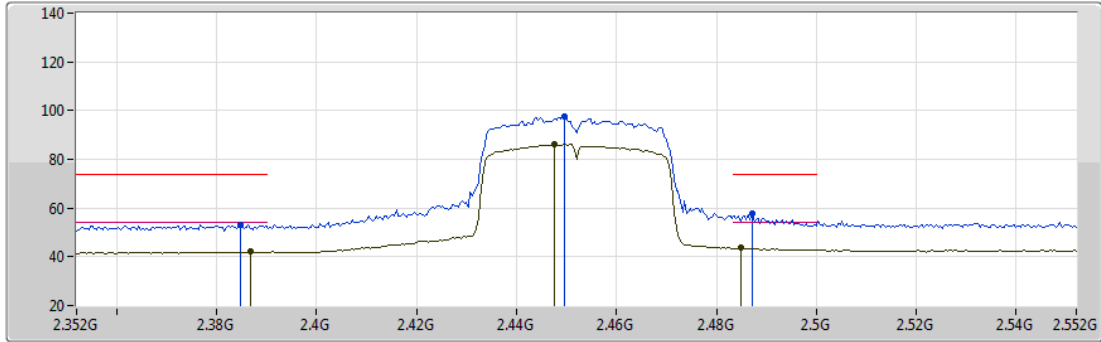
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PK	4.87782G	47.81	74.00	-26.19	44.99	3	Horizontal	207	1.08	-	32.46	5.04	34.68
AV	4.87654G	35.07	54.00	-18.93	32.26	3	Horizontal	207	1.08	-	32.45	5.04	34.68
PK	7.31072G	50.31	74.00	-23.69	41.74	3	Horizontal	257	1.80	-	37.14	6.31	34.88
AV	7.31026G	37.57	54.00	-16.43	29.00	3	Horizontal	257	1.80	-	37.14	6.31	34.88



802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2452MHz_TX



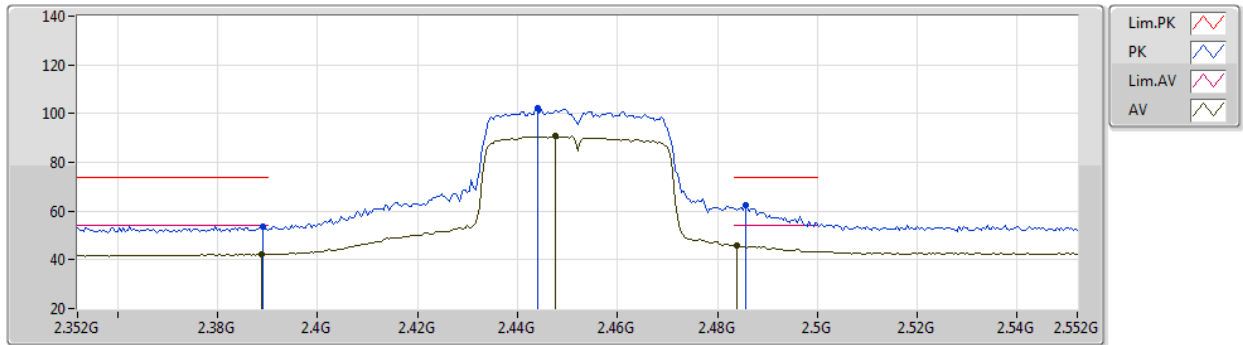
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3848G	53.27	74.00	-20.73	23.72	3	Vertical	124	2.24	-	27.37	2.18	-
AV	2.3868G	42.09	54.00	-11.91	12.53	3	Vertical	124	2.24	-	27.37	2.19	-
PK	2.4496G	97.62	Inf	-Inf	67.87	3	Vertical	124	2.24	-	27.50	2.25	-
AV	2.4476G	86.29	Inf	-Inf	56.54	3	Vertical	124	2.24	-	27.50	2.25	-
PK	2.4872G	57.70	74.00	-16.30	27.69	3	Vertical	124	2.24	-	27.72	2.29	-
AV	2.4848G	43.76	54.00	-10.24	13.77	3	Vertical	124	2.24	-	27.71	2.28	-

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2452MHz_TX



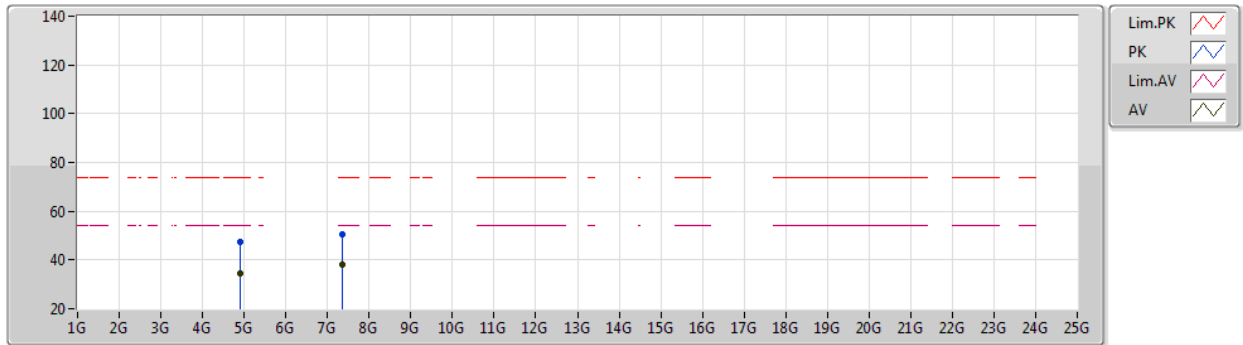
EUT Z_1TX
Setting Default
01-A-G-2

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	2.3892G	53.54	74.00	-20.46	23.97	3	Horizontal	260	1.64	-	27.38	2.19	-
AV	2.3888G	42.38	54.00	-11.62	12.81	3	Horizontal	260	1.64	-	27.38	2.19	-
PK	2.444G	102.23	Inf	-Inf	72.50	3	Horizontal	260	1.64	-	27.49	2.24	-
AV	2.4476G	90.72	Inf	-Inf	60.97	3	Horizontal	260	1.64	-	27.50	2.25	-
PK	2.4856G	62.27	74.00	-11.73	32.27	3	Horizontal	260	1.64	-	27.71	2.29	-
AV	2.484G	45.73	54.00	-8.27	15.75	3	Horizontal	260	1.64	-	27.70	2.28	-

802.11n HT40_Nss1,(MCS0)_1TX

28/11/2020

2452MHz_TX



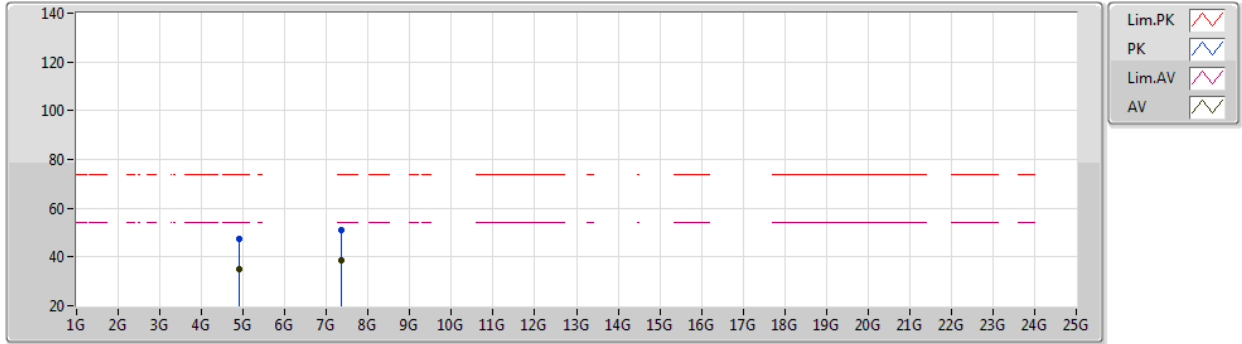
EUT Z_1TX
Setting Default
01-A-G-2

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	4.90522G	47.34	74.00	-26.66	44.42	3	Vertical	179	2.25	-	32.53	5.05	34.66
AV	4.90254G	34.31	54.00	-19.69	31.40	3	Vertical	179	2.25	-	32.52	5.05	34.66
PK	7.35646G	50.73	74.00	-23.27	41.96	3	Vertical	143	1.80	-	37.30	6.36	34.89
AV	7.35856G	38.09	54.00	-15.91	29.32	3	Vertical	143	1.80	-	37.30	6.36	34.89

802.11n HT40_Nss1,(MCS0)_1TX

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2452MHz_TX



EUT Z_1TX
Setting Default
01-A-G-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	4.9062G	47.56	74.00	-26.44	44.63	3	Horizontal	195	1.00	-	32.54	5.05	34.66
AV	4.90426G	35.06	54.00	-18.94	32.14	3	Horizontal	195	1.00	-	32.53	5.05	34.66
PK	7.35306G	51.18	74.00	-22.82	42.42	3	Horizontal	121	1.80	-	37.30	6.35	34.89
AV	7.35668G	38.54	54.00	-15.46	29.77	3	Horizontal	121	1.80	-	37.30	6.36	34.89



Test Mode: Mode 2

Summary

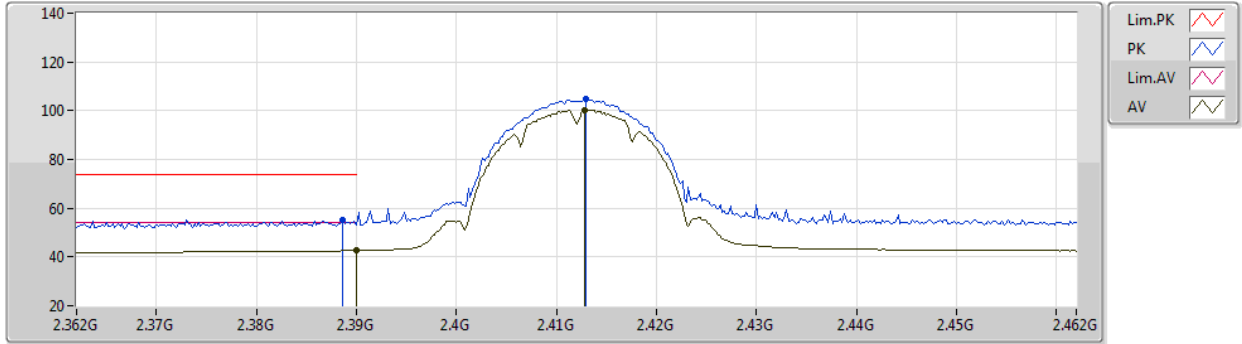
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz											
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	4.92401G	52.37	54.00	-1.63	3	Vertical	128	2.42	



802.11b_Nss1,(1Mbps)_1TX

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2412MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

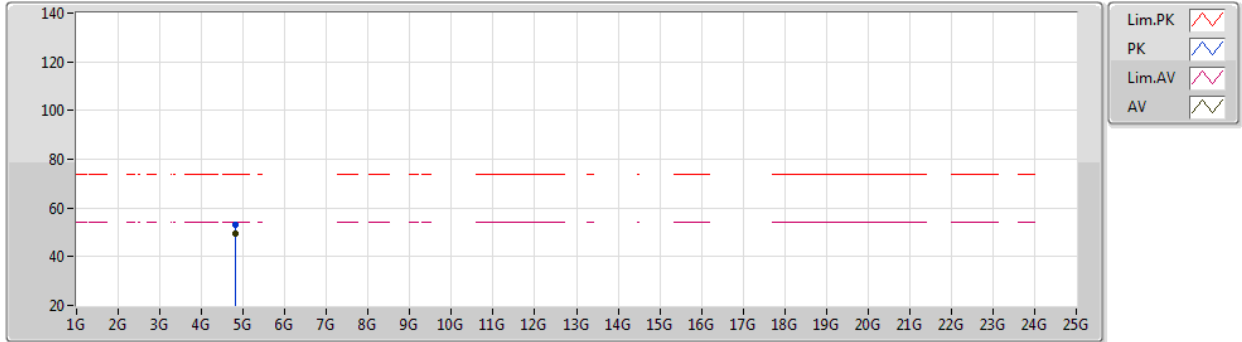
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	55.04	74.00	-18.96	25.47	3	Vertical	95	1.80	-	27.38	2.19	-
AV	2.39G	42.61	54.00	-11.39	13.04	3	Vertical	95	1.80	-	27.38	2.19	-
PK	2.413G	104.75	Inf	-Inf	75.11	3	Vertical	95	1.80	-	27.43	2.21	-
AV	2.4128G	100.10	Inf	-Inf	70.46	3	Vertical	95	1.80	-	27.43	2.21	-



802.11b_Nss1,(1Mbps)_1TX

26/11/2020

2412MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

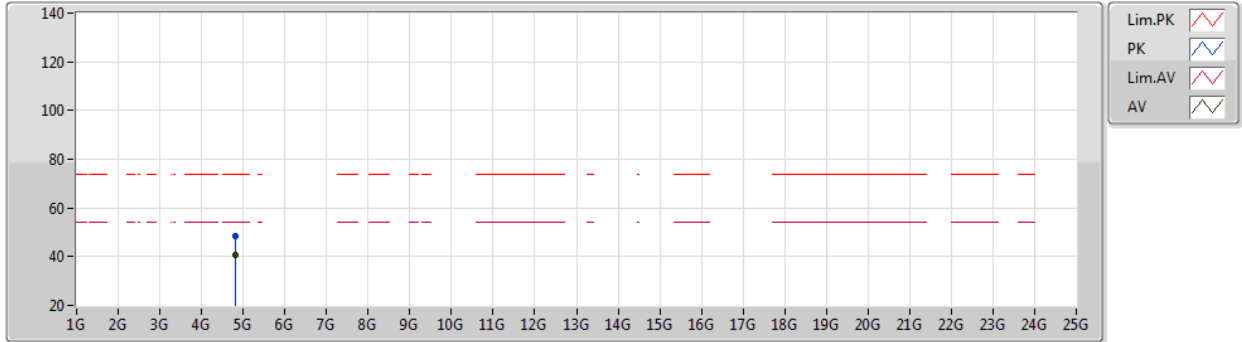
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82406G	53.12	74.00	-20.88	50.59	3	Vertical	23	1.14	-	32.24	5.01	34.72
AV	4.82407G	49.32	54.00	-4.68	46.79	3	Vertical	23	1.14	-	32.24	5.01	34.72



802.11b_Nss1,(1Mbps)_1TX

26/11/2020

2412MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

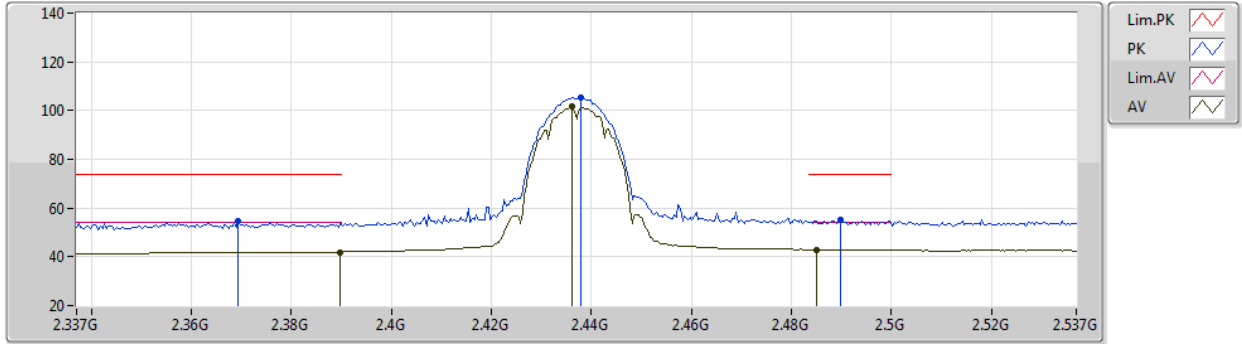
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PK	4.82411G	48.48	74.00	-25.52	45.95	3	Horizontal	181	2.08	-	32.24	5.01	34.72
AV	4.82404G	40.76	54.00	-13.24	38.23	3	Horizontal	181	2.08	-	32.24	5.01	34.72



802.11b_Nss1,(1Mbps)_1TX

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2437MHz_TX



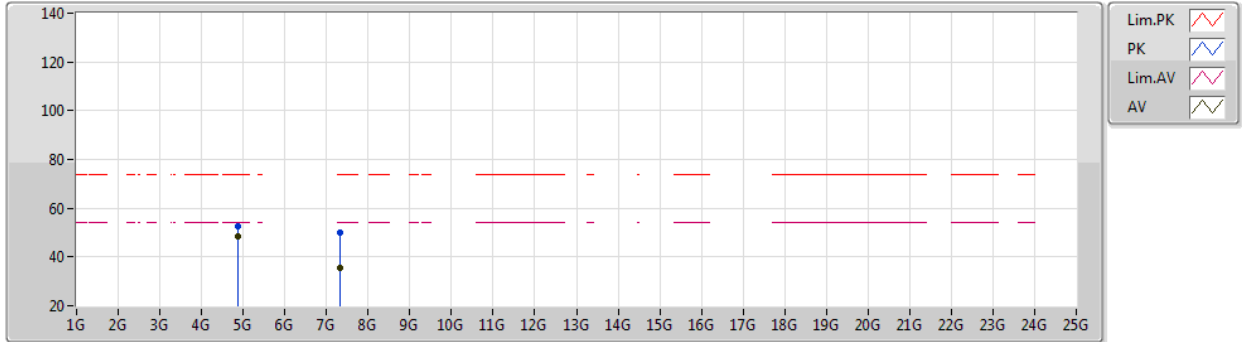
EUT X_1TX
Setting Default
01-A-G-2

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	2.3694G	54.70	74.00	-19.30	25.19	3	Vertical	57	2.15	-	27.34	2.17	-
AV	2.3898G	41.94	54.00	-12.06	12.37	3	Vertical	57	2.15	-	27.38	2.19	-
PK	2.4378G	105.50	Inf	-Inf	75.78	3	Vertical	57	2.15	-	27.48	2.24	-
AV	2.4362G	101.48	Inf	-Inf	71.77	3	Vertical	57	2.15	-	27.47	2.24	-
PK	2.4898G	54.96	74.00	-19.04	24.93	3	Vertical	57	2.15	-	27.74	2.29	-
AV	2.485G	42.90	54.00	-11.10	12.90	3	Vertical	57	2.15	-	27.71	2.29	-

802.11b_Nss1,(1Mbps)_1TX

26/11/2020

2437MHz_TX



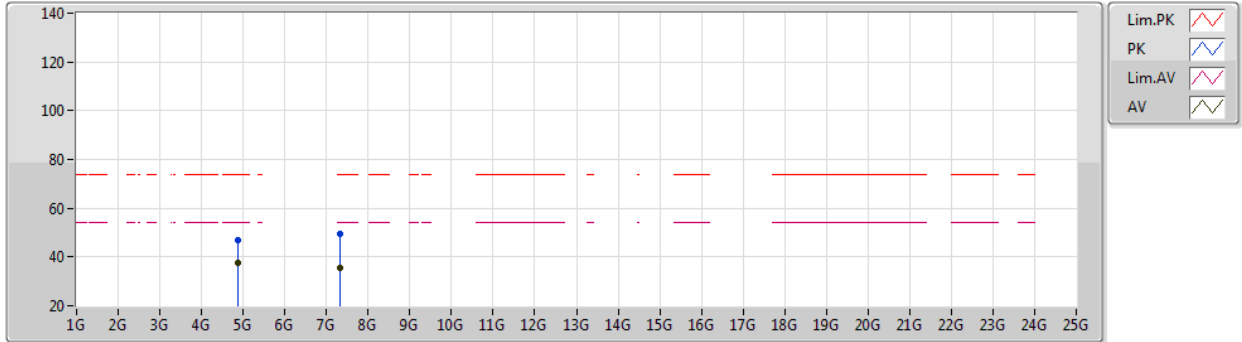
EUT X_1TX
Setting Default
01-A-G-2

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	4.87402G	52.42	74.00	-21.58	49.61	3	Vertical	139	2.39	-	32.45	5.04	34.68
AV	4.87403G	48.53	54.00	-5.47	45.72	3	Vertical	139	2.39	-	32.45	5.04	34.68
PK	7.31039G	49.82	74.00	-24.18	41.25	3	Vertical	140	2.92	-	37.14	6.31	34.88
AV	7.31147G	35.73	54.00	-18.27	27.15	3	Vertical	140	2.92	-	37.15	6.31	34.88

802.11b_Nss1,(1Mbps)_1TX

26/11/2020

2437MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

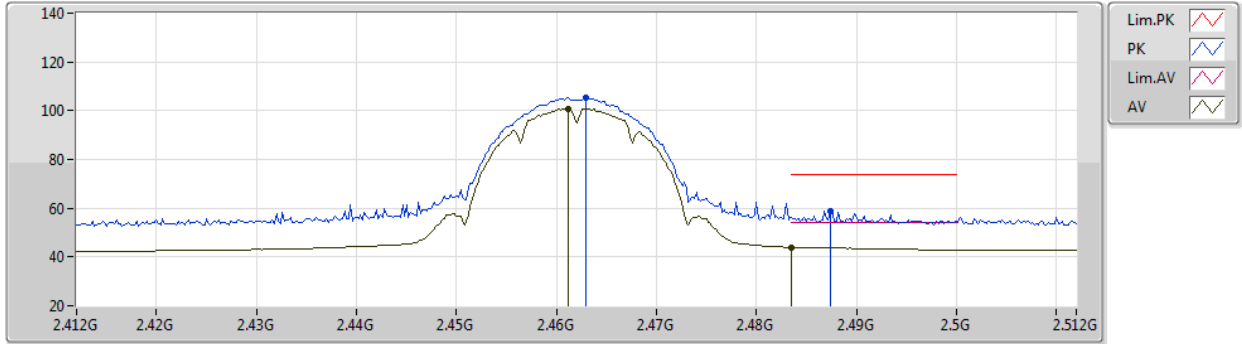
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.874G	46.92	74.00	-27.08	44.11	3	Horizontal	230	1.70	-	32.45	5.04	34.68
AV	4.87409G	37.68	54.00	-16.32	34.87	3	Horizontal	230	1.70	-	32.45	5.04	34.68
PK	7.31043G	49.33	74.00	-24.67	40.76	3	Horizontal	232	2.96	-	37.14	6.31	34.88
AV	7.31135G	35.71	54.00	-18.29	27.13	3	Horizontal	232	2.96	-	37.15	6.31	34.88



802.11b_Nss1,(1Mbps)_1TX

26/11/2020

2462MHz_TX



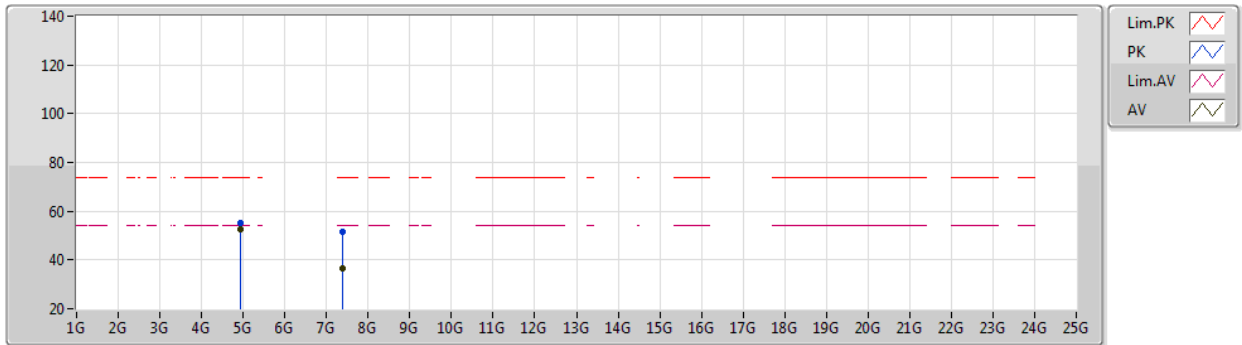
EUT X_1TX
Setting Default
01-A-G-2

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	2.463G	105.32	Inf	-Inf	75.48	3	Vertical	58	2.17	-	27.58	2.26	-
AV	2.4612G	100.94	Inf	-Inf	71.11	3	Vertical	58	2.17	-	27.57	2.26	-
PK	2.4874G	58.68	74.00	-15.32	28.67	3	Vertical	58	2.17	-	27.72	2.29	-
AV	2.4835G	43.93	54.00	-10.07	13.95	3	Vertical	58	2.17	-	27.70	2.28	-

802.11b_Nss1,(1Mbps)_1TX

26/11/2020

2462MHz_TX



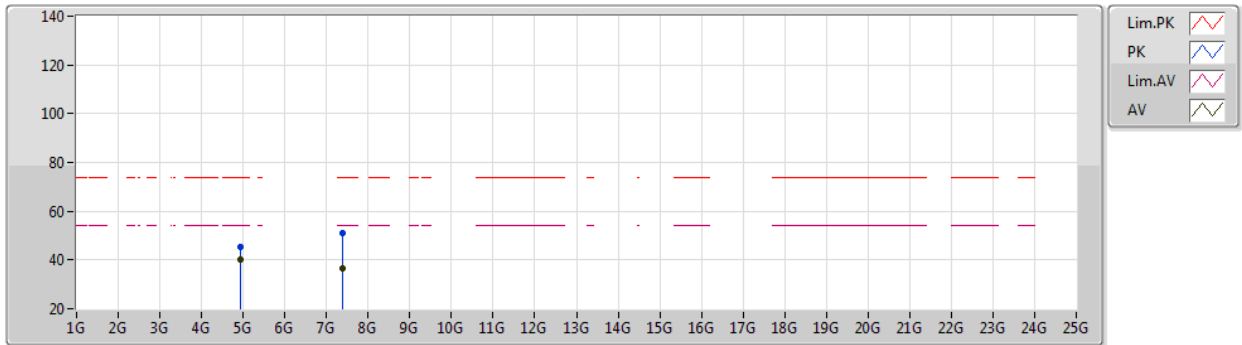
EUT X_1TX
Setting Default
01-A-E-2

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	4.92399G	55.26	74.00	-18.74	52.20	3	Vertical	128	2.42	-	32.64	5.06	34.64
AV	4.92401G	52.37	54.00	-1.63	49.31	3	Vertical	128	2.42	-	32.64	5.06	34.64
PK	7.38467G	51.33	74.00	-22.67	42.54	3	Vertical	222	3.00	-	37.30	6.38	34.89
AV	7.38717G	36.79	54.00	-17.21	28.00	3	Vertical	222	3.00	-	37.30	6.39	34.90

802.11b_Nss1,(1Mbps)_1TX

26/11/2020

2462MHz_TX



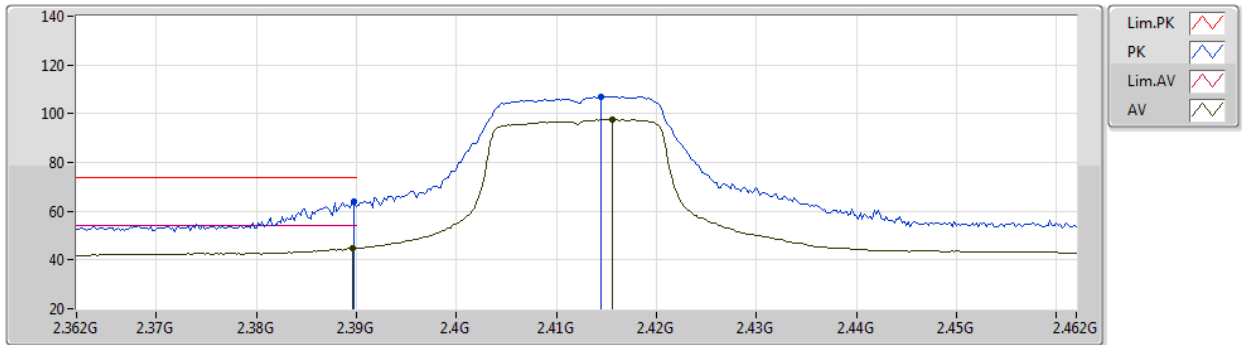
EUT X_1TX
Setting Default
01-A-E-2

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	4.92361G	45.16	74.00	-28.84	42.10	3	Horizontal	29	1.78	-	32.64	5.06	34.64
AV	4.92396G	40.33	54.00	-13.67	37.27	3	Horizontal	29	1.78	-	32.64	5.06	34.64
PK	7.38384G	51.16	74.00	-22.84	42.37	3	Horizontal	220	2.36	-	37.30	6.38	34.89
AV	7.38761G	36.70	54.00	-17.30	27.91	3	Horizontal	220	2.36	-	37.30	6.39	34.90

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2412MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

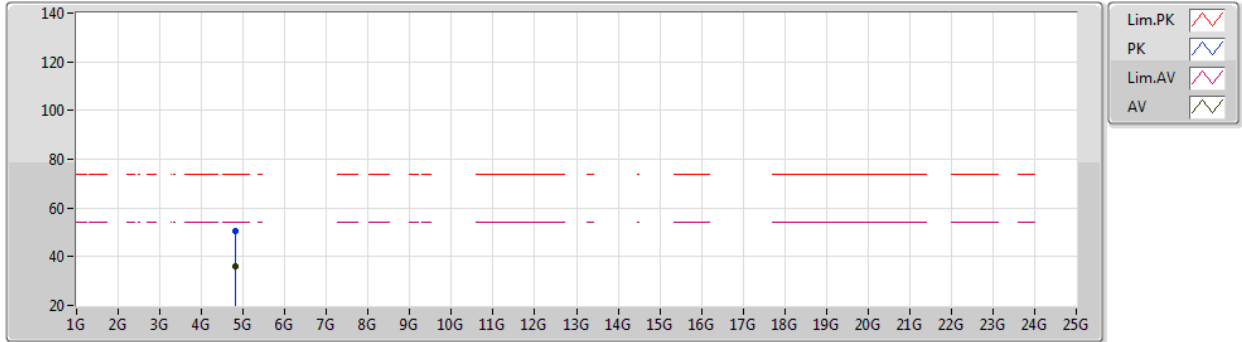
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PK	2.3898G	64.09	74.00	-9.91	34.52	3	Vertical	93	1.82	-	27.38	2.19	-
AV	2.3896G	44.79	54.00	-9.21	15.22	3	Vertical	93	1.82	-	27.38	2.19	-
PK	2.4144G	107.11	Inf	-Inf	77.47	3	Vertical	93	1.82	-	27.43	2.21	-
AV	2.4156G	97.74	Inf	-Inf	68.09	3	Vertical	93	1.82	-	27.43	2.22	-



802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2412MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

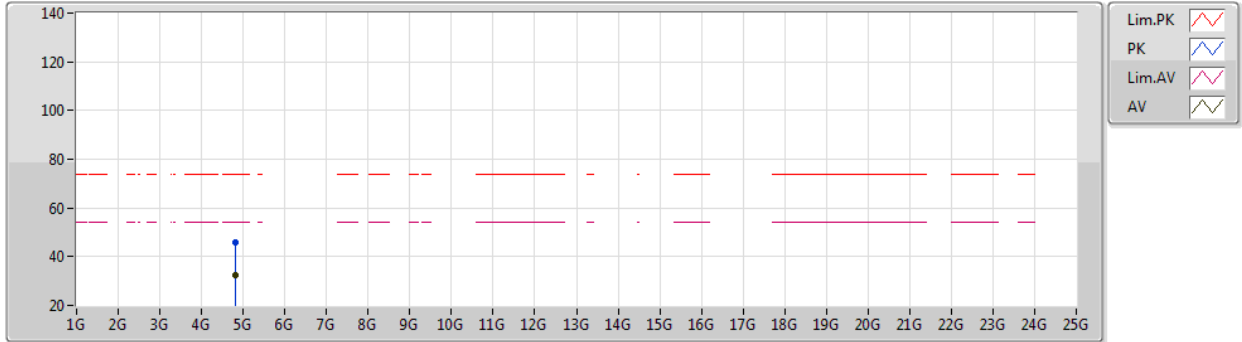
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82236G	50.59	74.00	-23.41	48.08	3	Vertical	360	1.00	-	32.23	5.01	34.73
AV	4.82374G	36.15	54.00	-17.85	33.62	3	Vertical	360	1.00	-	32.24	5.01	34.72



802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2412MHz_TX



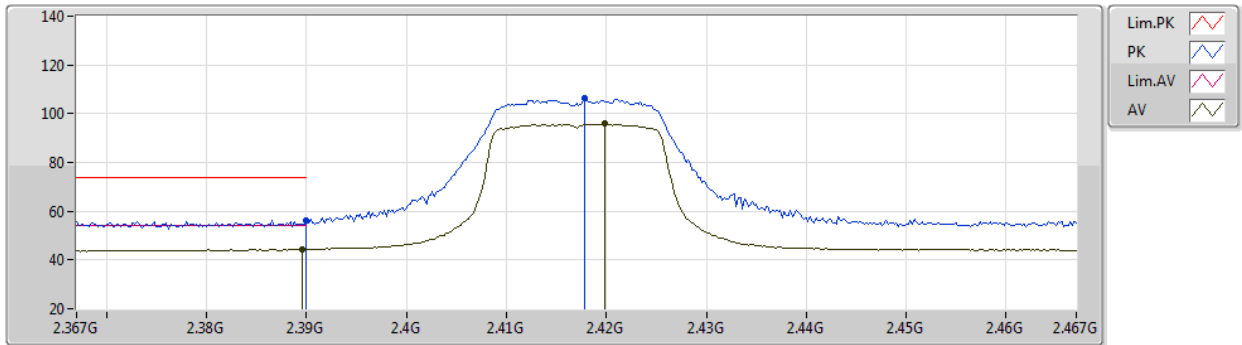
EUT X_1TX
Setting Default
01-A-G-2

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	4.82344G	46.10	74.00	-27.90	43.57	3	Horizontal	231	2.05	-	32.24	5.01	34.72
AV	4.8232G	32.67	54.00	-21.33	30.14	3	Horizontal	231	2.05	-	32.24	5.01	34.72

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2417MHz_TX



EUT X_1TX
Setting Default
06-D-K-3

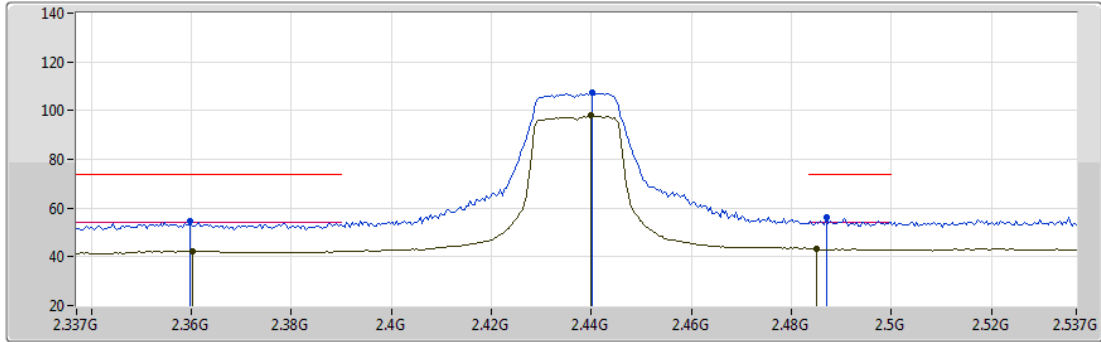
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	56.22	74.00	-17.78	25.54	3	Vertical	78	1.19	-	27.60	3.08	-
AV	2.3896G	44.47	54.00	-9.53	13.79	3	Vertical	78	1.19	-	27.60	3.08	-
PK	2.4178G	106.33	Inf	-Inf	75.68	3	Vertical	78	1.19	-	27.53	3.12	-
AV	2.4198G	95.85	Inf	-Inf	65.21	3	Vertical	78	1.19	-	27.52	3.12	-



802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2437MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

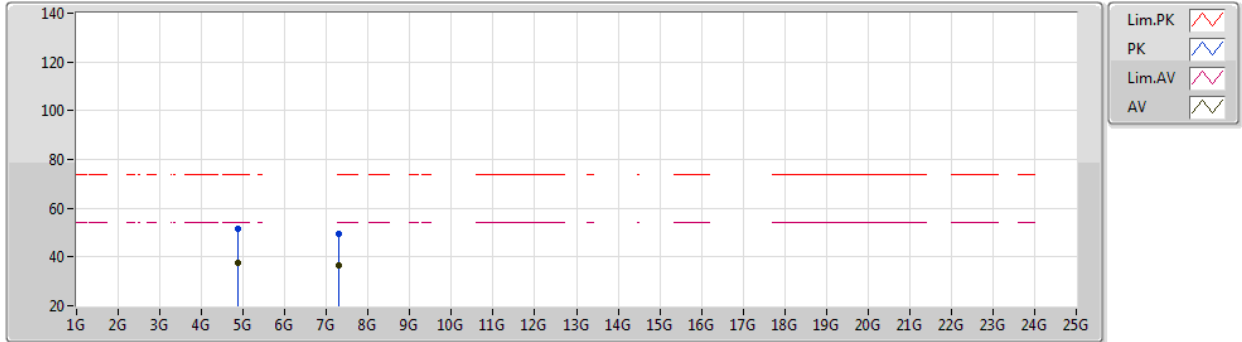
EUT X_1TX
 Setting Default
 01-A-G-2

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	2.3598G	54.57	74.00	-19.43	25.09	3	Vertical	58	2.16	-	27.32	2.16	-
AV	2.3602G	42.45	54.00	-11.55	12.97	3	Vertical	58	2.16	-	27.32	2.16	-
PK	2.4402G	107.36	Inf	-Inf	77.64	3	Vertical	58	2.16	-	27.48	2.24	-
AV	2.4398G	97.85	Inf	-Inf	68.13	3	Vertical	58	2.16	-	27.48	2.24	-
PK	2.487G	56.17	74.00	-17.83	26.16	3	Vertical	58	2.16	-	27.72	2.29	-
AV	2.485G	43.43	54.00	-10.57	13.43	3	Vertical	58	2.16	-	27.71	2.29	-

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2437MHz_TX



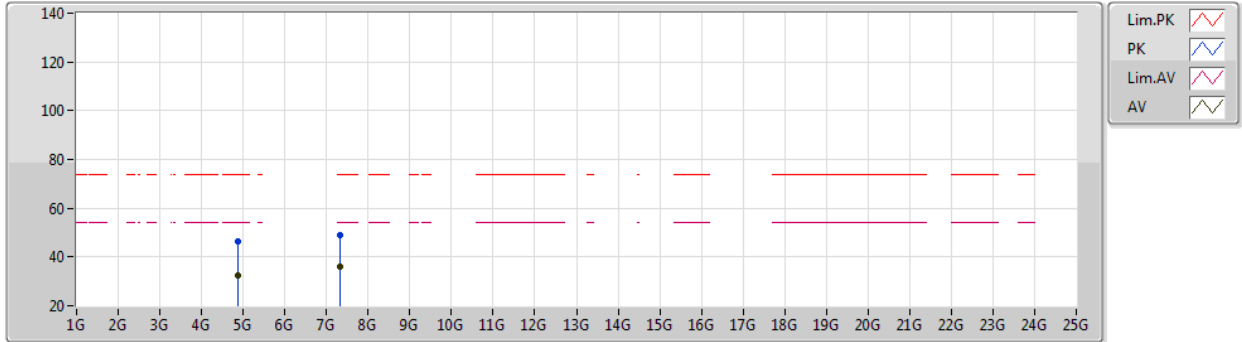
EUT X_1TX
Setting Default
01-A-G-2

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	4.8775G	51.45	74.00	-22.55	48.64	3	Vertical	138	2.42	-	32.45	5.04	34.68
AV	4.87432G	37.82	54.00	-16.18	35.01	3	Vertical	138	2.42	-	32.45	5.04	34.68
PK	7.3066G	49.35	74.00	-24.65	40.79	3	Vertical	119	1.14	-	37.13	6.31	34.88
AV	7.30706G	36.32	54.00	-17.68	27.76	3	Vertical	119	1.14	-	37.13	6.31	34.88

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2437MHz_TX



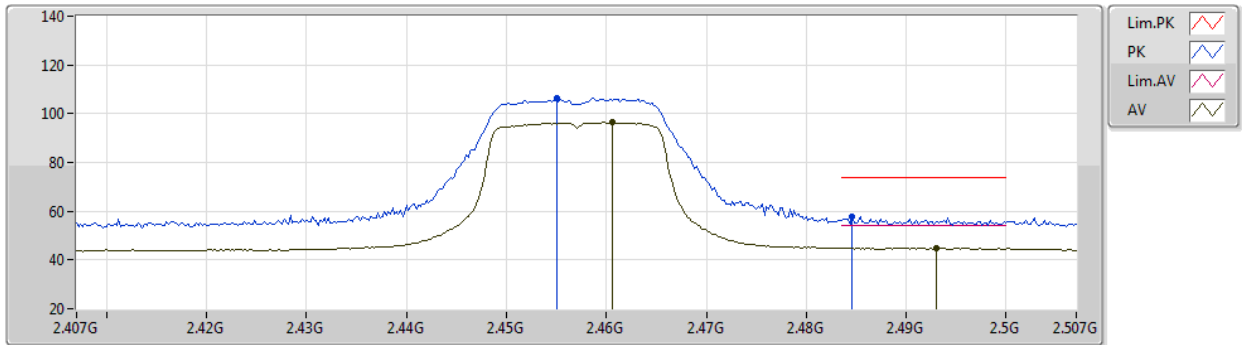
EUT X_1TX
Setting Default
01-A-G-2

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	4.87836G	46.33	74.00	-27.67	43.51	3	Horizontal	196	2.12	-	32.46	5.04	34.68
AV	4.87796G	32.22	54.00	-21.78	29.40	3	Horizontal	196	2.12	-	32.46	5.04	34.68
PK	7.31196G	49.21	74.00	-24.79	40.63	3	Horizontal	324	2.39	-	37.15	6.31	34.88
AV	7.31176G	36.29	54.00	-17.71	27.71	3	Horizontal	324	2.39	-	37.15	6.31	34.88

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2457MHz_TX



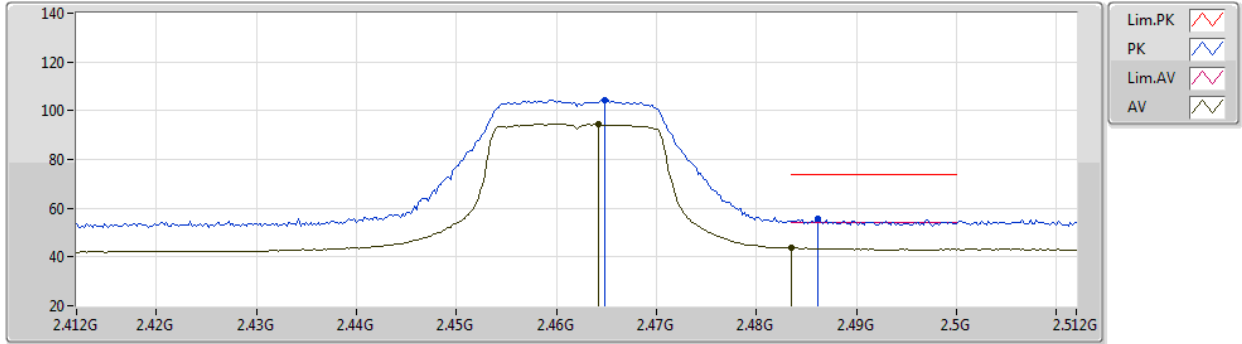
EUT X_1TX
Setting Default
06-D-K-3

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	2.455G	106.39	Inf	-Inf	75.83	3	Vertical	149	1.76	-	27.40	3.16	-
AV	2.4606G	96.49	Inf	-Inf	65.93	3	Vertical	149	1.76	-	27.40	3.16	-
PK	2.4846G	57.87	74.00	-16.13	27.29	3	Vertical	149	1.76	-	27.40	3.18	-
AV	2.493G	44.96	54.00	-9.04	14.37	3	Vertical	149	1.76	-	27.40	3.19	-

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2462MHz_TX



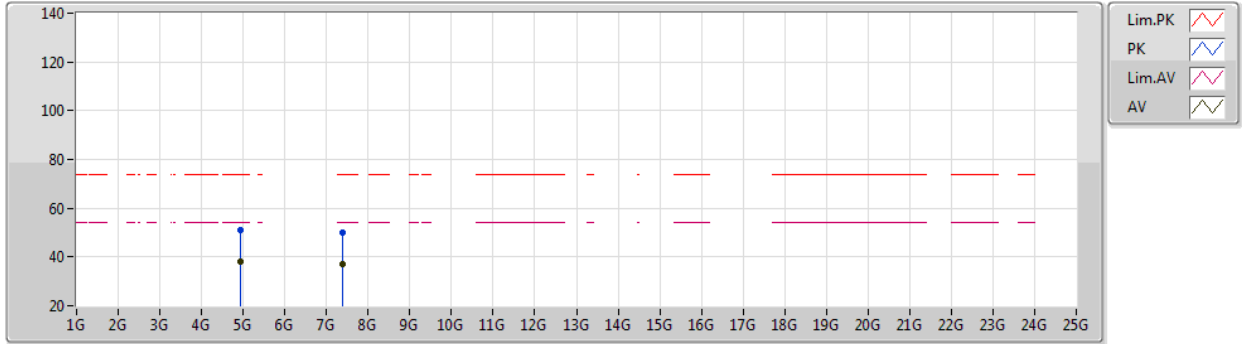
EUT X_1TX
Setting Default
01-A-G-2

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	2.4648G	104.55	Inf	-Inf	74.70	3	Vertical	309	1.04	-	27.59	2.26	-
AV	2.4642G	94.65	Inf	-Inf	64.80	3	Vertical	309	1.04	-	27.59	2.26	-
PK	2.4862G	55.51	74.00	-18.49	25.50	3	Vertical	309	1.04	-	27.72	2.29	-
AV	2.4835G	43.98	54.00	-10.02	14.00	3	Vertical	309	1.04	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2462MHz_TX



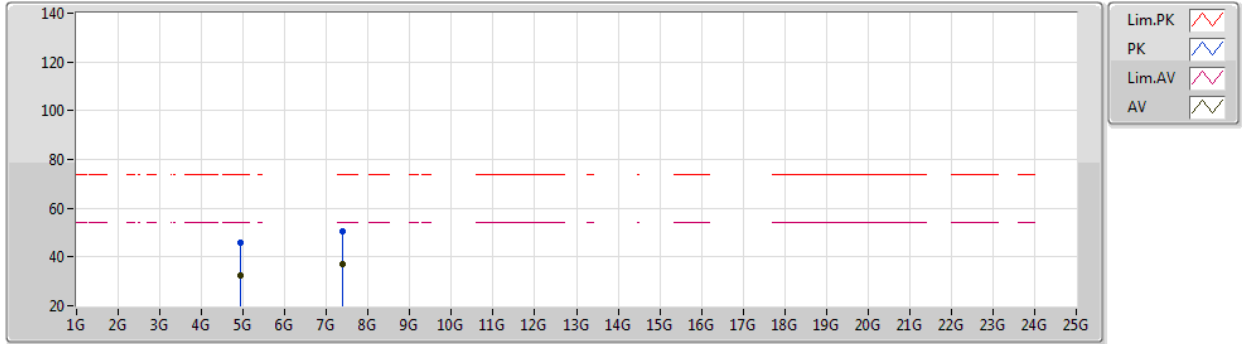
EUT X_1TX
Setting Default
01-A-G-2

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	4.92252G	51.24	74.00	-22.76	48.18	3	Vertical	138	2.38	-	32.64	5.06	34.64
AV	4.92326G	38.01	54.00	-15.99	34.95	3	Vertical	138	2.38	-	32.64	5.06	34.64
PK	7.38186G	49.87	74.00	-24.13	41.08	3	Vertical	135	1.03	-	37.30	6.38	34.89
AV	7.3894G	36.92	54.00	-17.08	28.13	3	Vertical	135	1.03	-	37.30	6.39	34.90

802.11g_Nss1,(6Mbps)_1TX

26/11/2020

2462MHz_TX



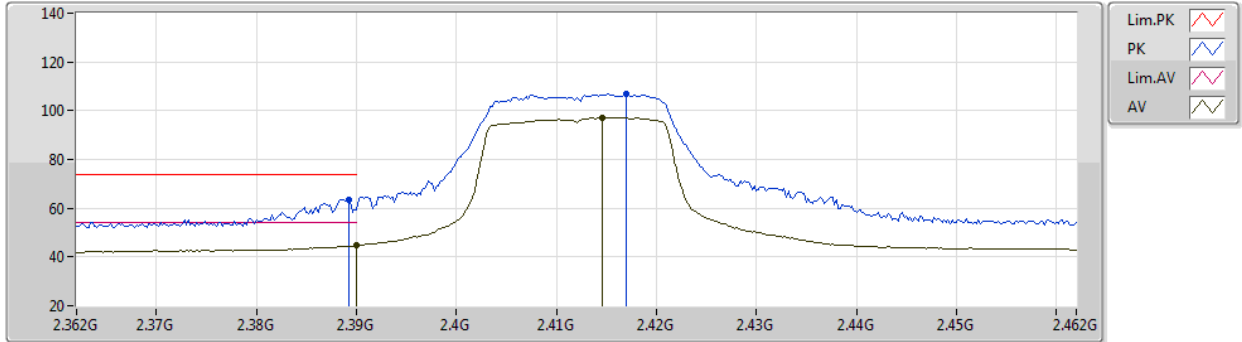
EUT X_1TX
Setting Default
01-A-G-2

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	4.92666G	45.86	74.00	-28.14	42.78	3	Horizontal	178	2.13	-	32.66	5.06	34.64
AV	4.92702G	32.53	54.00	-21.47	29.45	3	Horizontal	178	2.13	-	32.66	5.06	34.64
PK	7.3892G	50.28	74.00	-23.72	41.49	3	Horizontal	118	1.88	-	37.30	6.39	34.90
AV	7.38726G	36.85	54.00	-17.15	28.06	3	Horizontal	118	1.88	-	37.30	6.39	34.90

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2412MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

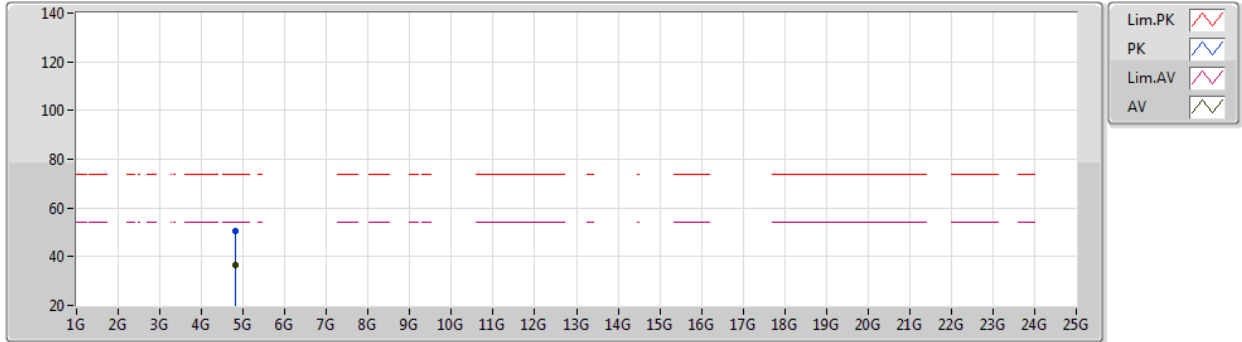
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	63.53	74.00	-10.47	33.96	3	Vertical	93	1.80	-	27.38	2.19	-
AV	2.39G	44.92	54.00	-9.08	15.35	3	Vertical	93	1.80	-	27.38	2.19	-
PK	2.417G	107.01	Inf	-Inf	77.36	3	Vertical	93	1.80	-	27.43	2.22	-
AV	2.4146G	97.30	Inf	-Inf	67.66	3	Vertical	93	1.80	-	27.43	2.21	-



802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2412MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

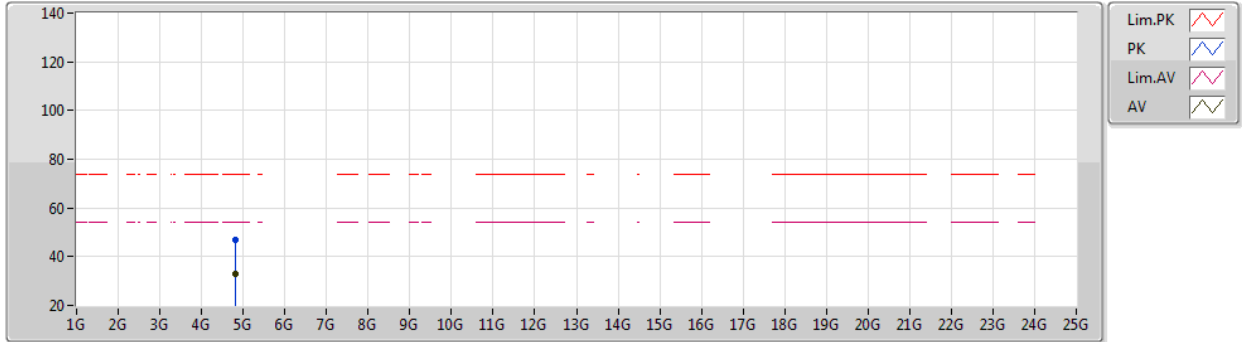
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82394G	50.30	74.00	-23.70	47.77	3	Vertical	138	1.63	-	32.24	5.01	34.72
AV	4.82578G	36.41	54.00	-17.59	33.87	3	Vertical	138	1.63	-	32.25	5.01	34.72



802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2412MHz_TX



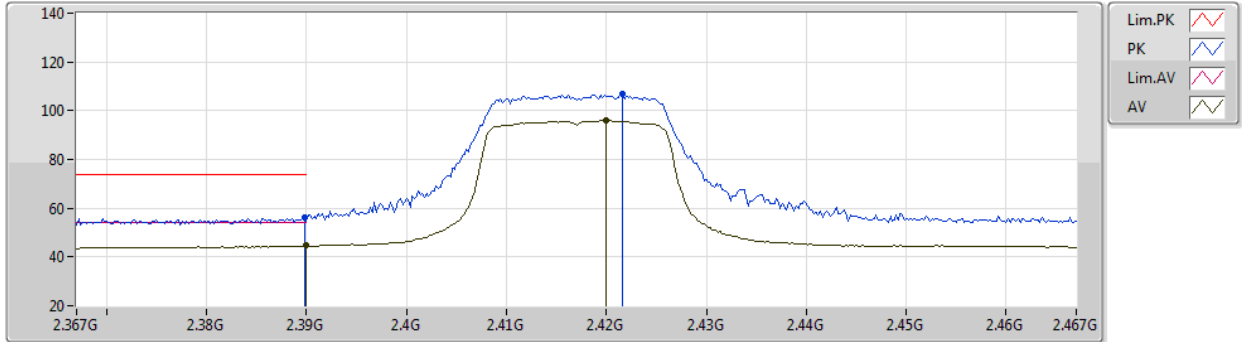
EUT X_1TX
Setting Default
01-A-G-2

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	4.81986G	46.83	74.00	-27.17	44.33	3	Horizontal	196	2.25	-	32.22	5.01	34.73
AV	4.82308G	32.87	54.00	-21.13	30.35	3	Horizontal	196	2.25	-	32.24	5.01	34.73

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2417MHz_TX



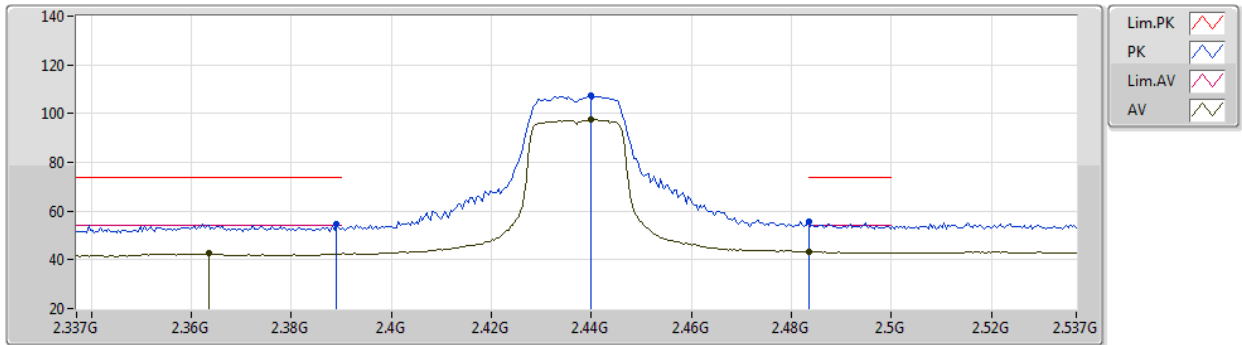
EUT X_1TX
Setting Default
06-D-K-3

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	55.99	74.00	-18.01	25.31	3	Vertical	86	1.20	-	27.60	3.08	-
AV	2.39G	44.72	54.00	-9.28	14.04	3	Vertical	86	1.20	-	27.60	3.08	-
PK	2.4216G	106.90	Inf	-Inf	76.27	3	Vertical	86	1.20	-	27.51	3.12	-
AV	2.42G	95.90	Inf	-Inf	65.26	3	Vertical	86	1.20	-	27.52	3.12	-

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2437MHz_TX



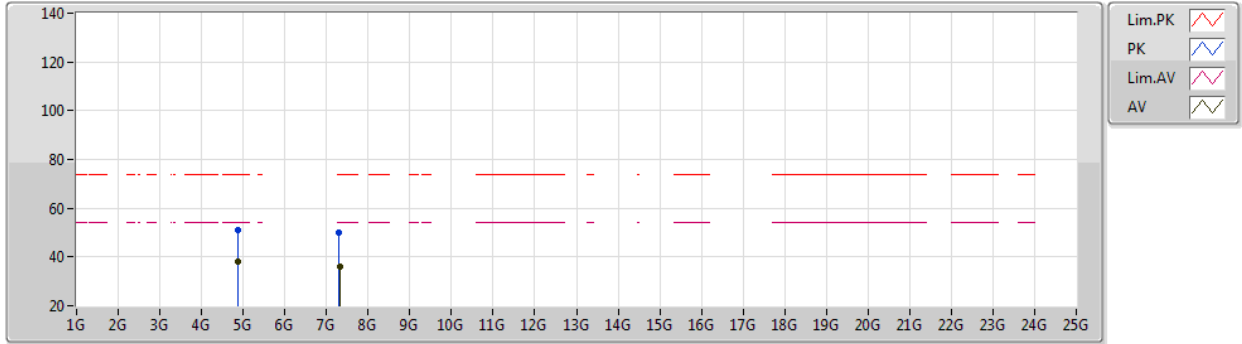
EUT X_1TX
Setting Default
01-A-G-2

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	2.389G	54.86	74.00	-19.14	25.29	3	Vertical	57	2.16	-	27.38	2.19	-
AV	2.3634G	42.56	54.00	-11.44	13.07	3	Vertical	57	2.16	-	27.33	2.16	-
PK	2.4398G	107.18	Inf	-Inf	77.46	3	Vertical	57	2.16	-	27.48	2.24	-
AV	2.4398G	97.45	Inf	-Inf	67.73	3	Vertical	57	2.16	-	27.48	2.24	-
PK	2.4835G	55.88	74.00	-18.12	25.90	3	Vertical	57	2.16	-	27.70	2.28	-
AV	2.4835G	43.28	54.00	-10.72	13.30	3	Vertical	57	2.16	-	27.70	2.28	-

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2437MHz_TX



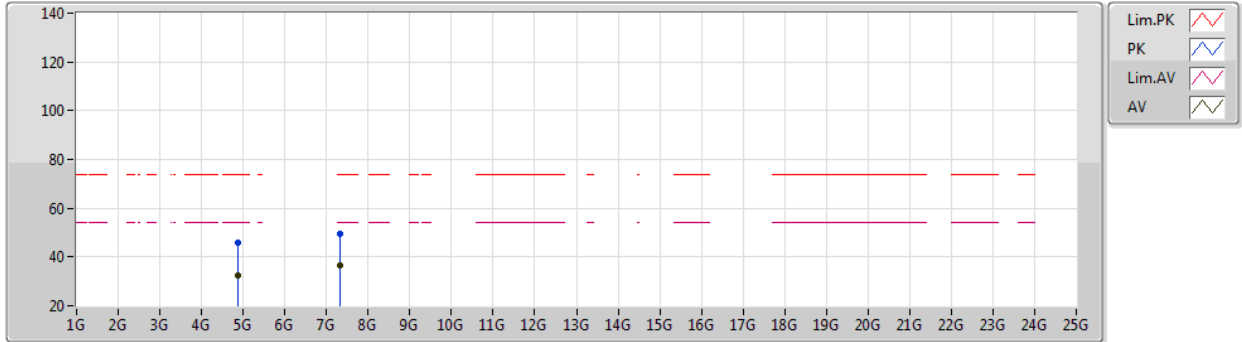
EUT X_1TX
Setting Default
01-A-E-2

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	4.86974G	51.07	74.00	-22.93	48.29	3	Vertical	136	2.40	-	32.44	5.03	34.69
AV	4.8745G	37.85	54.00	-16.15	35.04	3	Vertical	136	2.40	-	32.45	5.04	34.68
PK	7.30914G	50.03	74.00	-23.97	41.46	3	Vertical	44	1.92	-	37.14	6.31	34.88
AV	7.31158G	36.25	54.00	-17.75	27.67	3	Vertical	44	1.92	-	37.15	6.31	34.88

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2437MHz_TX



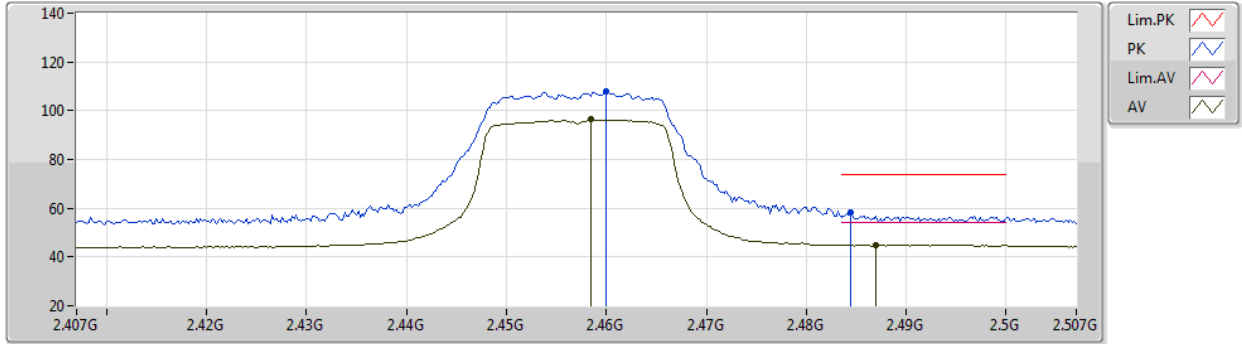
EUT X_1TX
Setting Default
01-A-E-2

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	4.87378G	46.08	74.00	-27.92	43.27	3	Horizontal	181	2.08	-	32.45	5.04	34.68
AV	4.87428G	32.67	54.00	-21.33	29.86	3	Horizontal	181	2.08	-	32.45	5.04	34.68
PK	7.31154G	49.26	74.00	-24.74	40.68	3	Horizontal	19	1.99	-	37.15	6.31	34.88
AV	7.31364G	36.36	54.00	-17.64	27.78	3	Horizontal	19	1.99	-	37.15	6.31	34.88

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2457MHz_TX



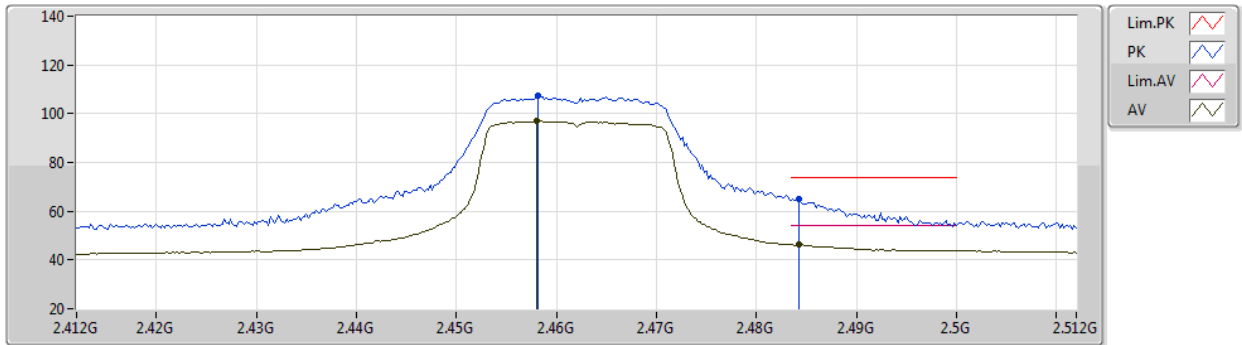
EUT X_1TX
Setting Default
06-D-K-3

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	2.46G	107.82	Inf	-Inf	77.26	3	Vertical	148	1.76	-	27.40	3.16	-
AV	2.4584G	96.33	Inf	-Inf	65.77	3	Vertical	148	1.76	-	27.40	3.16	-
PK	2.4844G	58.37	74.00	-15.63	27.79	3	Vertical	148	1.76	-	27.40	3.18	-
AV	2.487G	45.00	54.00	-9.00	14.41	3	Vertical	148	1.76	-	27.40	3.19	-

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2462MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

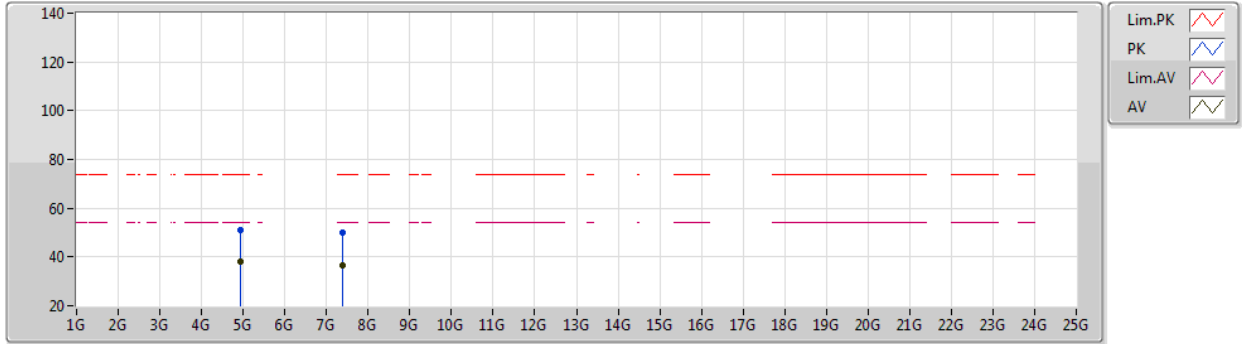
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4582G	107.22	Inf	-Inf	77.41	3	Vertical	56	1.66	-	27.55	2.26	-
AV	2.458G	96.95	Inf	-Inf	67.14	3	Vertical	56	1.66	-	27.55	2.26	-
PK	2.4842G	65.12	74.00	-8.88	35.13	3	Vertical	56	1.66	-	27.71	2.28	-
AV	2.4842G	46.34	54.00	-7.66	16.35	3	Vertical	56	1.66	-	27.71	2.28	-



802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2462MHz_TX



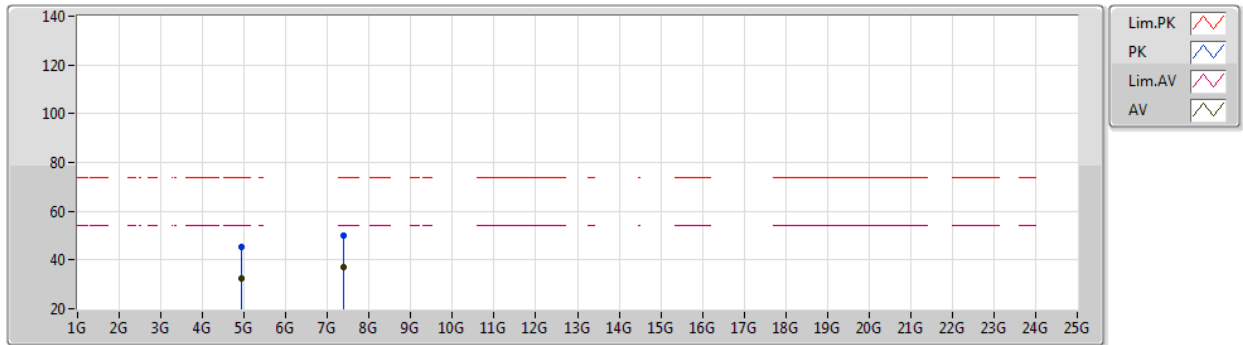
EUT X_1TX
Setting Default
01-A-G-2

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	4.92592G	51.21	74.00	-22.79	48.13	3	Vertical	136	2.38	-	32.66	5.06	34.64
AV	4.92398G	37.86	54.00	-16.14	34.80	3	Vertical	136	2.38	-	32.64	5.06	34.64
PK	7.38996G	49.81	74.00	-24.19	41.02	3	Vertical	270	2.91	-	37.30	6.39	34.90
AV	7.39002G	36.80	54.00	-17.20	28.01	3	Vertical	270	2.91	-	37.30	6.39	34.90

802.11n HT20_Nss1,(MCS0)_1TX

26/11/2020

2462MHz_TX



EUT X_1TX
Setting Default
01-A-G-2

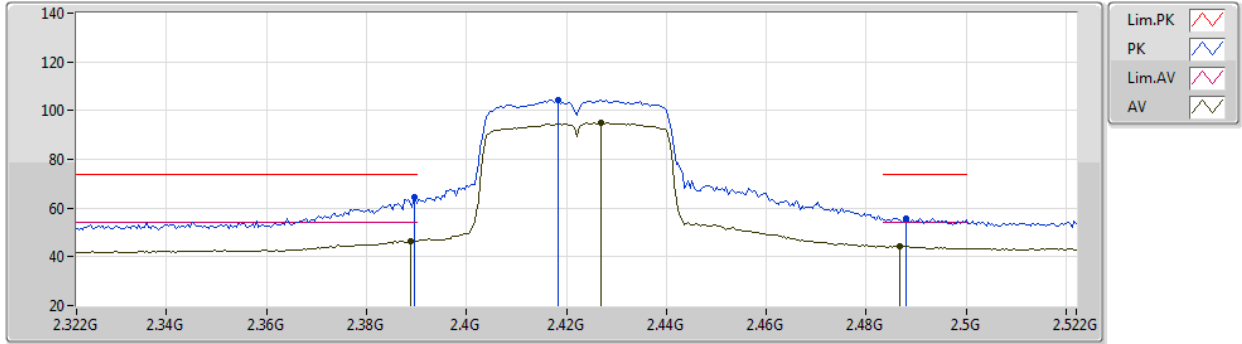
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92338G	45.47	74.00	-28.53	42.41	3	Horizontal	179	2.13	-	32.64	5.06	34.64
AV	4.92372G	32.38	54.00	-21.62	29.32	3	Horizontal	179	2.13	-	32.64	5.06	34.64
PK	7.3873G	50.23	74.00	-23.77	41.44	3	Horizontal	356	1.15	-	37.30	6.39	34.90
AV	7.38356G	36.84	54.00	-17.16	28.05	3	Horizontal	356	1.15	-	37.30	6.38	34.89



802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2422MHz_TX



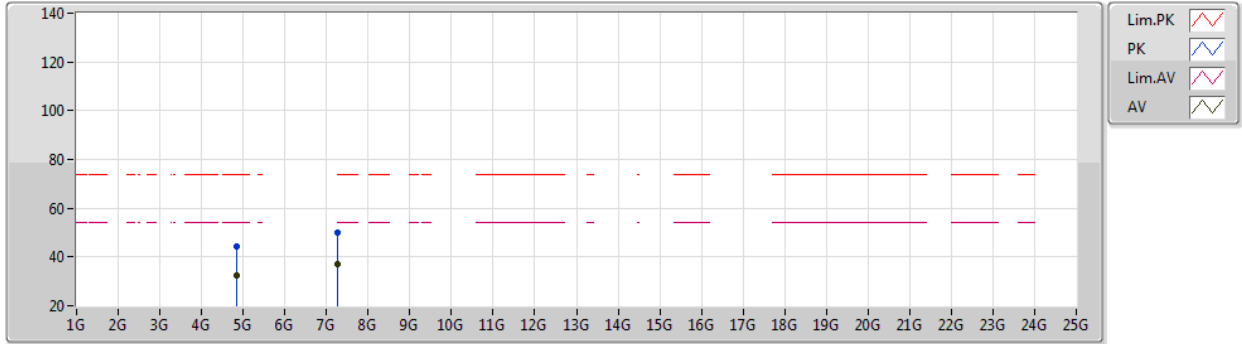
EUT X_1TX
Setting Default
01-A-G-2

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	2.3896G	64.26	74.00	-9.74	34.69	3	Vertical	56	1.75	-	27.38	2.19	-
AV	2.3888G	46.39	54.00	-7.61	16.82	3	Vertical	56	1.75	-	27.38	2.19	-
PK	2.4184G	104.51	Inf	-Inf	74.85	3	Vertical	56	1.75	-	27.44	2.22	-
AV	2.4268G	94.97	Inf	-Inf	65.29	3	Vertical	56	1.75	-	27.45	2.23	-
PK	2.488G	55.83	74.00	-18.17	25.81	3	Vertical	56	1.75	-	27.73	2.29	-
AV	2.4868G	44.36	54.00	-9.64	14.35	3	Vertical	56	1.75	-	27.72	2.29	-

802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2422MHz_TX



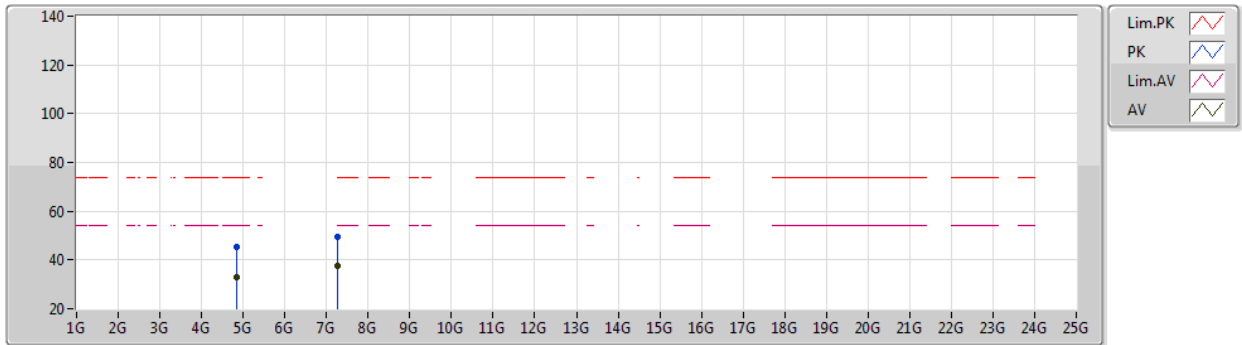
EUT X_1TX
Setting Default
01-A-G-2

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	4.84716G	44.46	74.00	-29.54	41.77	3	Vertical	320	1.20	-	32.38	5.02	34.71
AV	4.84896G	32.50	54.00	-21.50	29.79	3	Vertical	320	1.20	-	32.39	5.02	34.70
PK	7.26336G	49.78	74.00	-24.22	41.36	3	Vertical	253	2.10	-	37.03	6.26	34.87
AV	7.26298G	37.26	54.00	-16.74	28.84	3	Vertical	253	2.10	-	37.03	6.26	34.87

802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2422MHz_TX



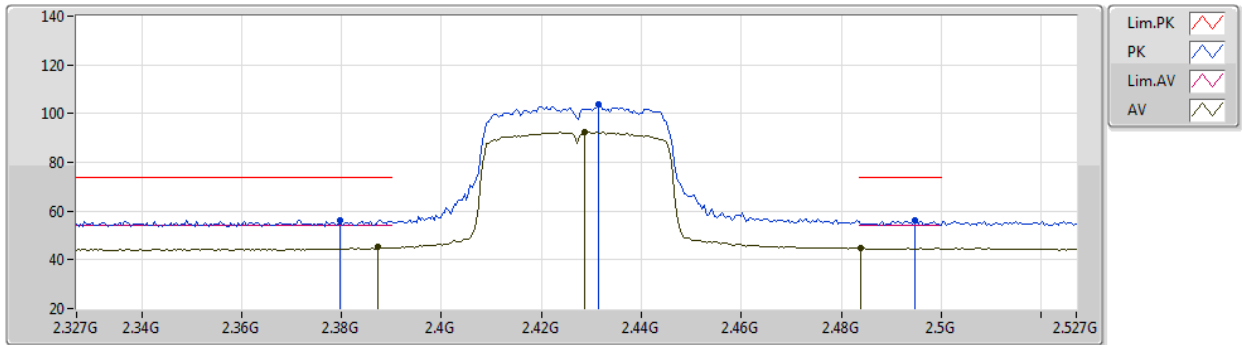
EUT X_1TX
Setting Default
01-A-G-2

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	4.84448G	45.38	74.00	-28.62	42.70	3	Horizontal	19	1.02	-	32.37	5.02	34.71
AV	4.84028G	32.77	54.00	-21.23	30.12	3	Horizontal	19	1.02	-	32.34	5.02	34.71
PK	7.26848G	49.48	74.00	-24.52	41.04	3	Horizontal	146	1.07	-	37.04	6.27	34.87
AV	7.27082G	37.47	54.00	-16.53	29.03	3	Horizontal	146	1.07	-	37.04	6.27	34.87

802.11n HT40_Nss1,(MCS0)_1TX

30/11/2020

2427MHz_TX



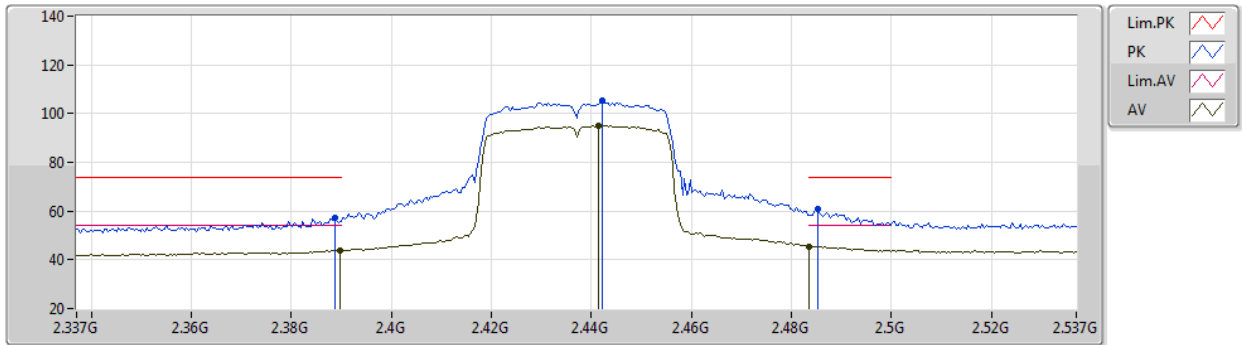
EUT X_1TX
Setting Default
06-D-K-3

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	2.3798G	56.17	74.00	-17.83	25.51	3	Vertical	169	1.01	-	27.60	3.06	-
AV	2.3874G	45.09	54.00	-8.91	14.42	3	Vertical	169	1.01	-	27.60	3.07	-
PK	2.4314G	103.59	Inf	-Inf	72.99	3	Vertical	169	1.01	-	27.47	3.13	-
AV	2.4286G	92.35	Inf	-Inf	61.73	3	Vertical	169	1.01	-	27.49	3.13	-
PK	2.4946G	56.12	74.00	-17.88	25.53	3	Vertical	169	1.01	-	27.40	3.19	-
AV	2.4838G	44.99	54.00	-9.01	14.41	3	Vertical	169	1.01	-	27.40	3.18	-

802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2437MHz_TX



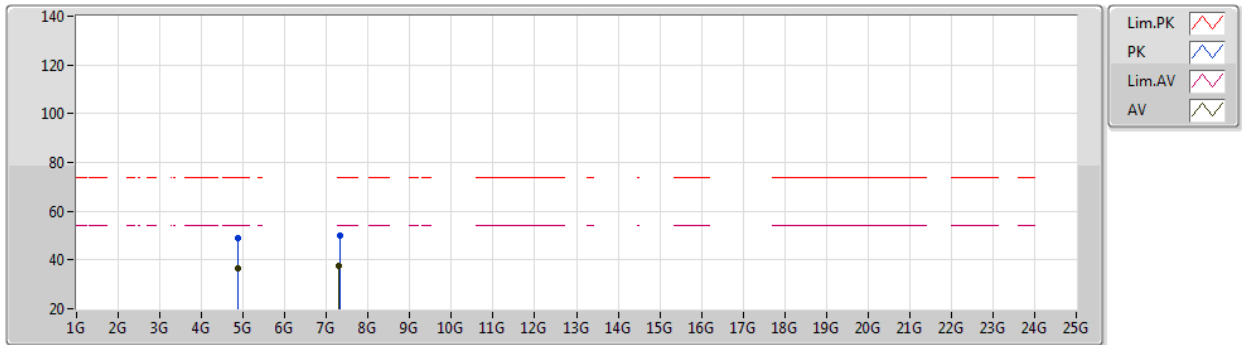
EUT X_1TX
Setting Default
01-A-G-2

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	2.3886G	57.10	74.00	-16.90	27.53	3	Vertical	57	2.16	-	27.38	2.19	-
AV	2.3898G	43.74	54.00	-10.26	14.17	3	Vertical	57	2.16	-	27.38	2.19	-
PK	2.4422G	105.30	Inf	-Inf	75.58	3	Vertical	57	2.16	-	27.48	2.24	-
AV	2.4414G	95.13	Inf	-Inf	65.41	3	Vertical	57	2.16	-	27.48	2.24	-
PK	2.4854G	60.78	74.00	-13.22	30.78	3	Vertical	57	2.16	-	27.71	2.29	-
AV	2.4835G	45.50	54.00	-8.50	15.52	3	Vertical	57	2.16	-	27.70	2.28	-

802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2437MHz_TX



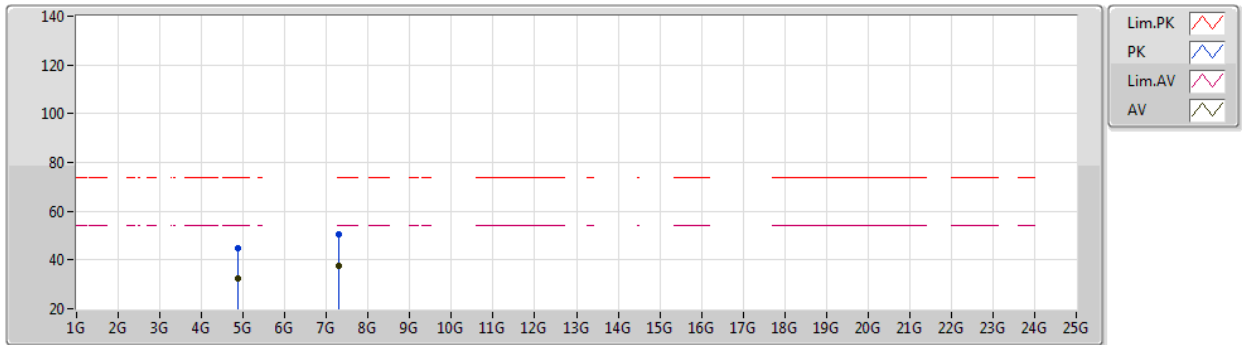
EUT X_1TX
Setting Default
01-A-G-2

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	4.87526G	49.10	74.00	-24.90	46.29	3	Vertical	37	1.33	-	32.45	5.04	34.68
AV	4.86936G	36.38	54.00	-17.62	33.60	3	Vertical	37	1.33	-	32.44	5.03	34.69
PK	7.31458G	49.89	74.00	-24.11	41.30	3	Vertical	321	2.63	-	37.16	6.31	34.88
AV	7.30898G	37.69	54.00	-16.31	29.12	3	Vertical	321	2.63	-	37.14	6.31	34.88

802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2437MHz_TX



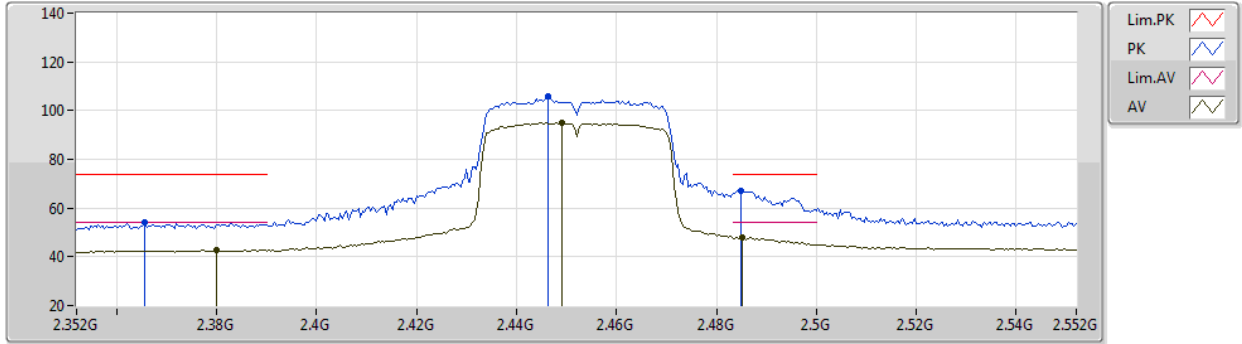
EUT X_1TX
Setting Default
01-A-G-2

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	4.8767G	44.78	74.00	-29.22	41.97	3	Horizontal	209	1.80	-	32.45	5.04	34.68
AV	4.8715G	32.54	54.00	-21.46	29.75	3	Horizontal	209	1.80	-	32.44	5.04	34.69
PK	7.30656G	50.26	74.00	-23.74	41.70	3	Horizontal	288	1.31	-	37.13	6.31	34.88
AV	7.3079G	37.39	54.00	-16.61	28.83	3	Horizontal	288	1.31	-	37.13	6.31	34.88

802.11n HT40_Nss1,(MCS0)_1TX

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2452MHz_TX



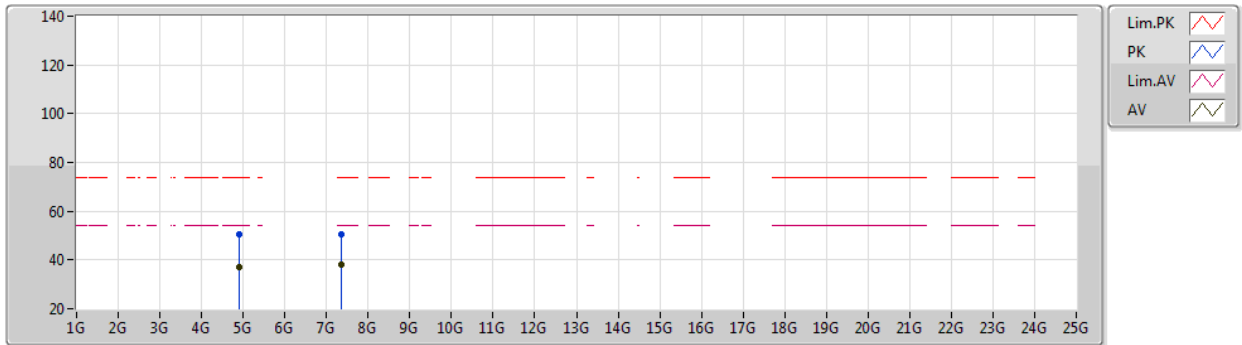
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Setting Default
01-A-G-2

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	2.3656G	54.25	74.00	-19.75	24.75	3	Vertical	68	2.17	-	27.33	2.17	-
AV	2.38G	42.82	54.00	-11.18	13.28	3	Vertical	68	2.17	-	27.36	2.18	-
PK	2.4464G	106.07	Inf	-Inf	76.33	3	Vertical	68	2.17	-	27.49	2.25	-
AV	2.4492G	94.89	Inf	-Inf	65.14	3	Vertical	68	2.17	-	27.50	2.25	-
PK	2.4848G	66.88	74.00	-7.12	36.89	3	Vertical	68	2.17	-	27.71	2.28	-
AV	2.4852G	47.80	54.00	-6.20	17.80	3	Vertical	68	2.17	-	27.71	2.29	-

802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2452MHz_TX



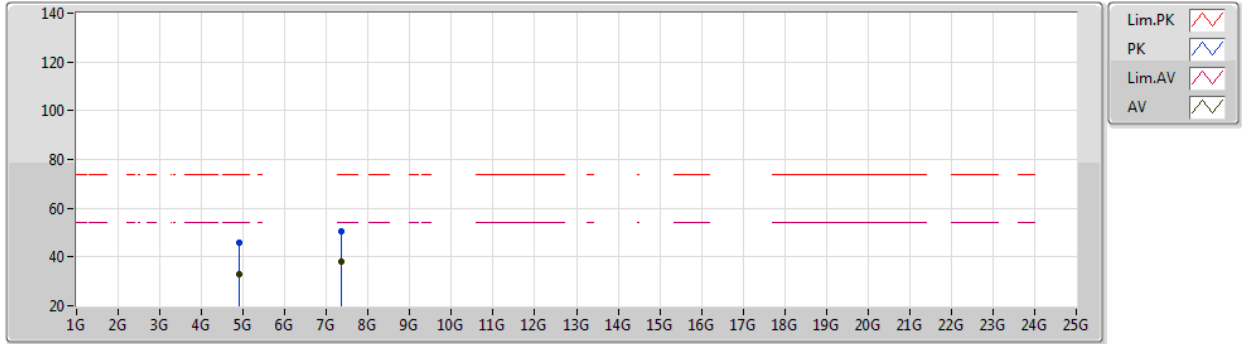
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Setting Default
01-A-G-2

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	4.90306G	50.48	74.00	-23.52	47.57	3	Vertical	138	2.39	-	32.52	5.05	34.66
AV	4.90684G	37.16	54.00	-16.84	34.23	3	Vertical	138	2.39	-	32.54	5.05	34.66
PK	7.36062G	50.52	74.00	-23.48	41.75	3	Vertical	145	2.85	-	37.30	6.36	34.89
AV	7.35558G	37.88	54.00	-16.12	29.11	3	Vertical	145	2.85	-	37.30	6.36	34.89

802.11n HT40_Nss1,(MCS0)_1TX

26/11/2020

2452MHz_TX



EUT X_1TX
Setting Default
01-A-G-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	4.90538G	45.73	74.00	-28.27	42.81	3	Horizontal	182	1.93	-	32.53	5.05	34.66
AV	4.9015G	33.14	54.00	-20.86	30.24	3	Horizontal	182	1.93	-	32.51	5.05	34.66
PK	7.35174G	50.67	74.00	-23.33	41.91	3	Horizontal	205	1.51	-	37.30	6.35	34.89
AV	7.35836G	37.93	54.00	-16.07	29.16	3	Horizontal	205	1.51	-	37.30	6.36	34.89