



RADIO TEST REPORT

FCC ID : UDX-60069010
Equipment : Network Camera
Brand Name : CISCO
Model Name : MV2-HW
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134, USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134, USA
Factory : LITE-ON Technology Corp. Networking Plant
No. 101, Neihuan N. Rd., Nanzi Processing Export,
Nanzi Dist., Kaohsiung City 811, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 28, 2021, and testing was started from Jan. 29, 2021 and completed on Apr. 08, 2021. We, Sporton International Inc. Hsinchu 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3

Page Number : 3 of 30
Issued Date : May 14, 2021
Report Version : 01



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: 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)
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth					
1	2	2	2	Aristotle	RFA-25-10159-P1-V3	PIFA Antenna	I-PEX	Note 1
2	1	1	1	Aristotle	RFA-25-10159-P2	PIFA Antenna	I-PEX	

Note 1:

Ant.	Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth
1	1.3	2.25	1.3
2	2.68	2.67	2.68

Note 2: The above information was declared by manufacturer.

Note 3: The EUT has two antennas.

For 2.4GHz WLAN function

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

The EUT supports the antenna with TX and RX diversity functions.

Both port 1 and port 2 support transmit and receive functions, but only one of them will be used at one time.

The port 1 generated the worst case, so it was selected to test and record in the report.

For 5GHz WLAN function

IEEE 802.11a/n/ac mode (1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both port 1 and port 2 support transmit and receive functions, but only one of them will be used at one time.

The port 1 generated the worst case, so it was selected to test and record in the report.

For Bluetooth function (1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both port 1 and port 2 support transmit and receive functions, but only one of them will be used at one time.

The port 1 generated the worst case, so it was selected to test and record in the report.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.971	0.13	8.195m	300
802.11g	0.882	0.55	1.361m	1k
802.11n HT20	0.842	0.75	1.149m	1k
802.11n HT40	0.762	1.18	632.5u	3k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter or host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Test Software Version	QRCT.exe Version 4.0.00156.0			

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
	Test site Designation No. TW3787 with FCC.
	Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Nyle Chang	20.4~21.2 / 54~57	Feb. 02, 2021~Feb. 03, 2021
Radiated (for below 1GHz)	03CH05-CB	Cola Fan	21.3~22.5 / 55~58	Apr. 08, 2021
Radiated (for above 1GHz)	03CH02-CB	Brian Sun	20.1~21.3 / 56~58	Jan. 29, 2021~Feb. 01, 2021
	03CH04-CB	Brian Sun	21.5~22.6 / 55~58	Jan. 29, 2021~Feb. 01, 2021
AC Conduction	CO02-CB	Ryo Fan	21~22 / 58~59	Feb. 26, 2021

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	21
2437MHz	21
2462MHz	21
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	17
2417MHz	19
2437MHz	20
2462MHz	18
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	17
2417MHz	19
2437MHz	20
2457MHz	18
2462MHz	16
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	17
2437MHz	19
2452MHz	18

2.2 Test Voltage

120 V / 60 Hz

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT_2.4GHz + powered from adapter
2	EUT_5GHz + powered from adapter
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT_5GHz + powered from host system
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

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	EUT in Z axis_2.4GHz + powered from adapter
2	EUT in Y axis_2.4GHz + powered from adapter
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT in Y axis_5GHz + powered from adapter
Mode 2 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Y axis_2.4GHz + powered from host system
For operating mode 4 is the worst case and it was record in this test report.	



Operating Mode > 1GHz	CTX
	The EUT was performed at Y axis and Z axis position and the harmonic worst case was found at Y axis and the bandedge worst case was found at Z axis. So the measurement will follow this same test
1	EUT in Y axis for harmonic and EUT in Z axis for bandedge

2.4 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.



2.5 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
AC Adapter	CISCO	MA-PWR-USB-US	INPUT: 100-240V, 50-60Hz, 0.32A max OUTPUT: 5.0V, 2.0A
Others			
USB cable*1, Shielded, 3m			
Wall Mount*1			

2.6 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	AP Router	ASUS	RP-N53	MSQ-RPN53
B	AP NB	DELL	E6430	N/A
C	Smart phone	Samsung	Galaxy J2	N/A

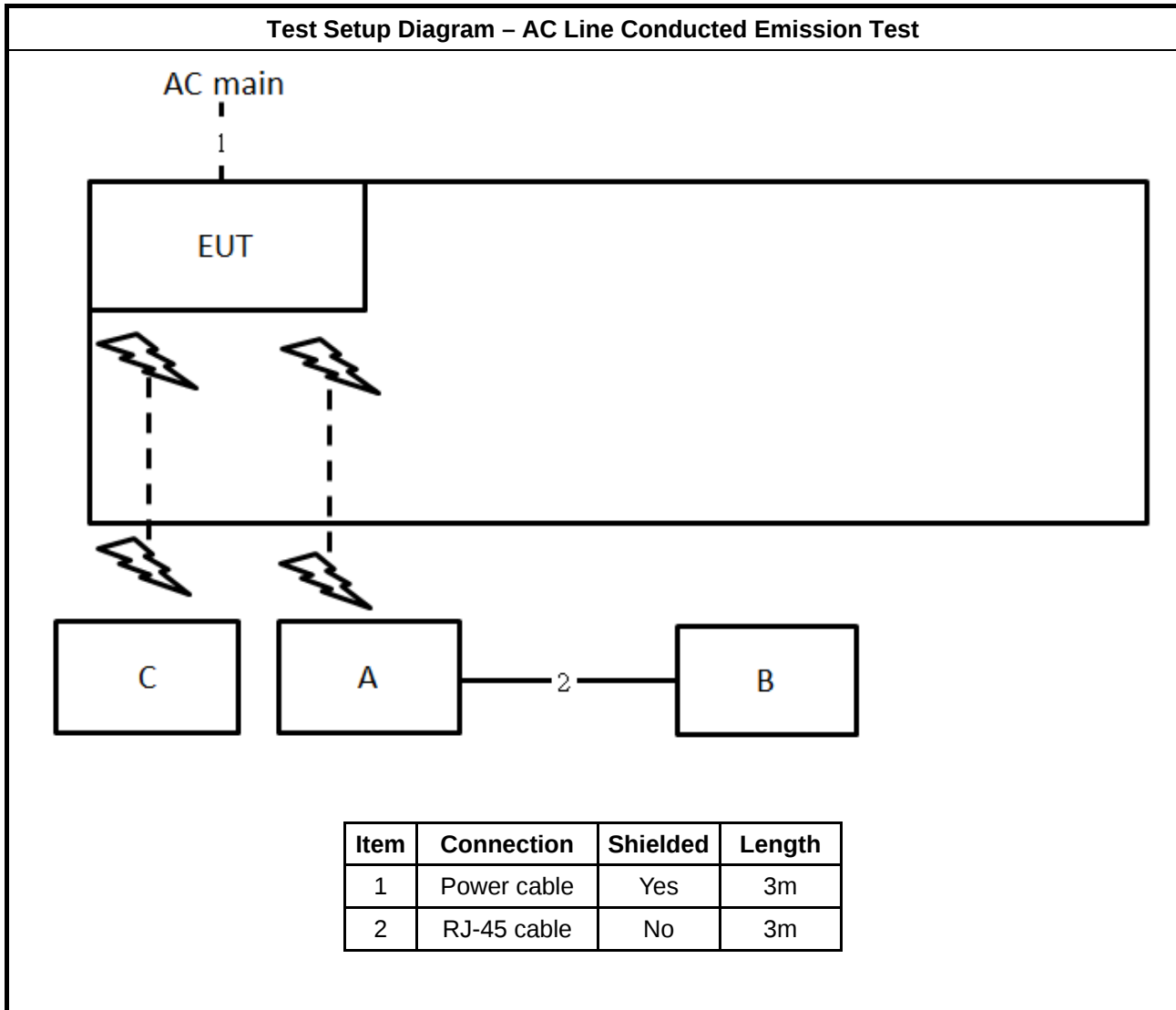
For Radiated (below 1GHz):

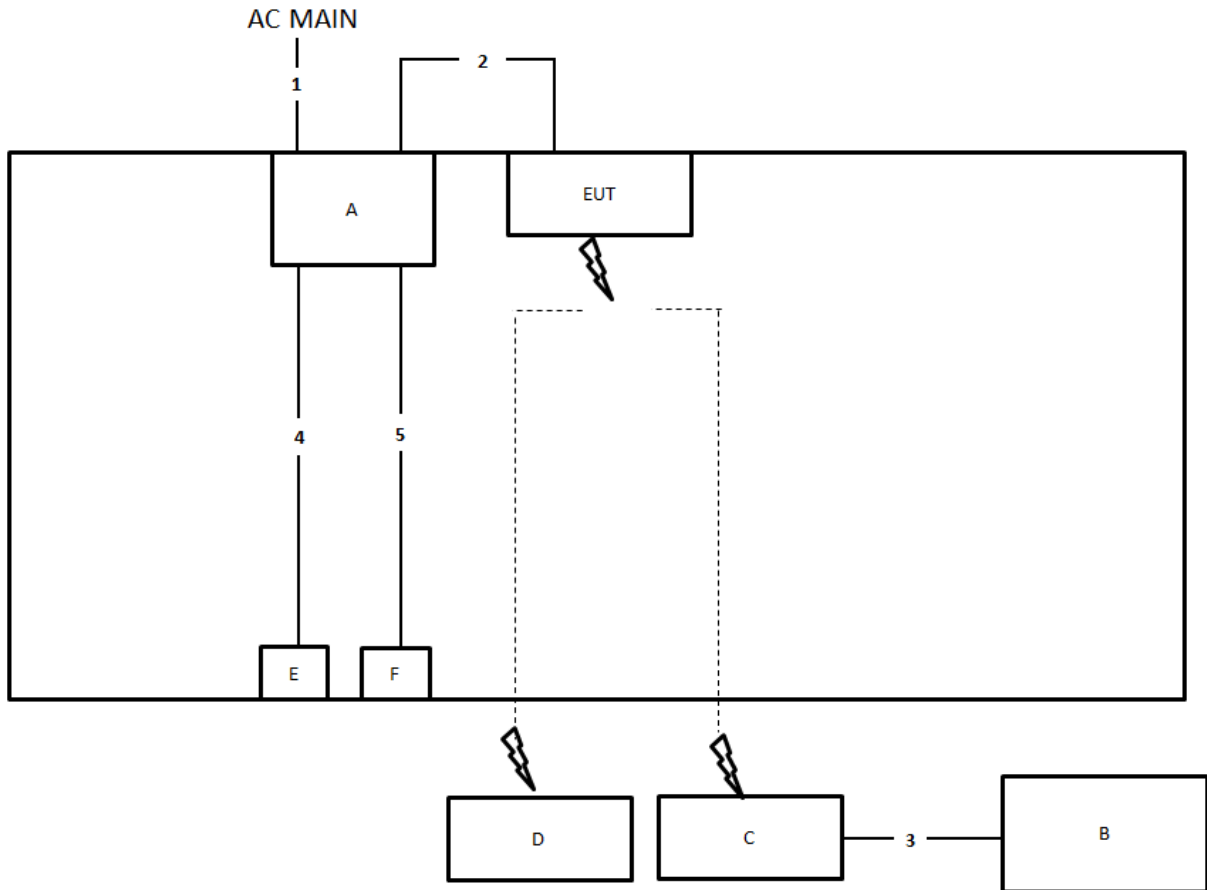
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	WLAN AP	D-LINK	DIR860L	KA2IR860LA1
D	Smart phone	Samsung	Galaxy J2	N/A
E	Earphone	e-Power	S90W	N/A
F	Mouse	Logitech	M-U0026	N/A

For Radiated (above 1GHz) and RF Conducted:

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

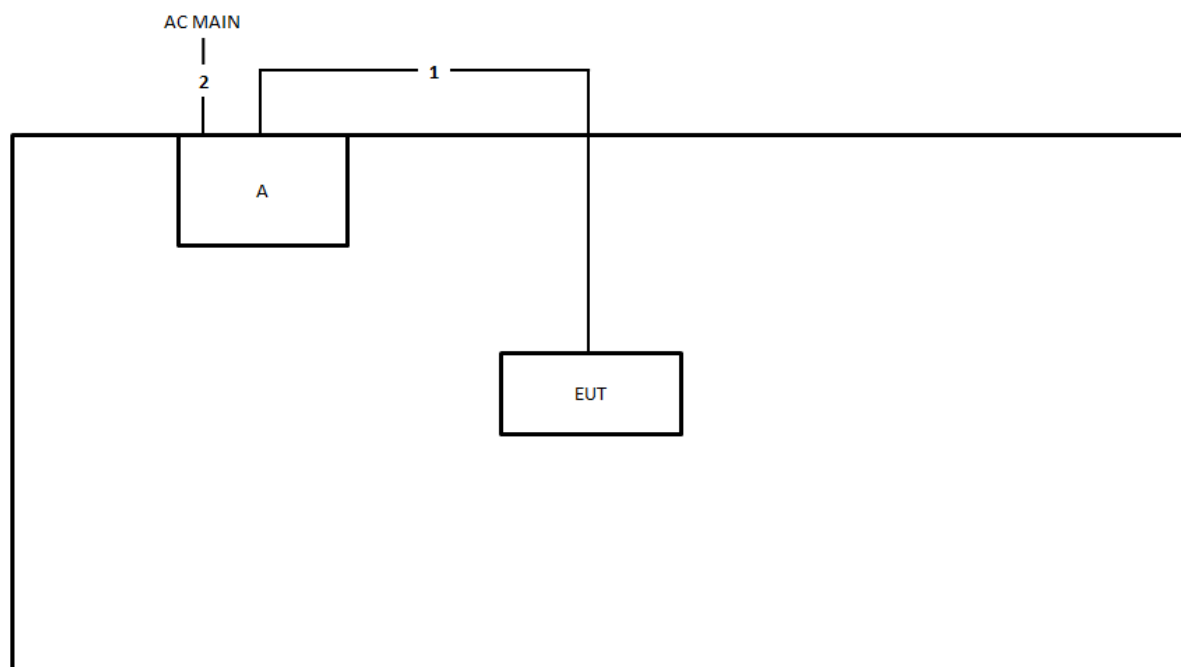
2.7 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	USB cable	Yes	3m
3	RJ-45 cable	No	1.5m
4	Audio cable	No	1.1m
5	USB cable	Yes	1.5m

Test Setup Diagram - Radiated Test > 1GHz



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

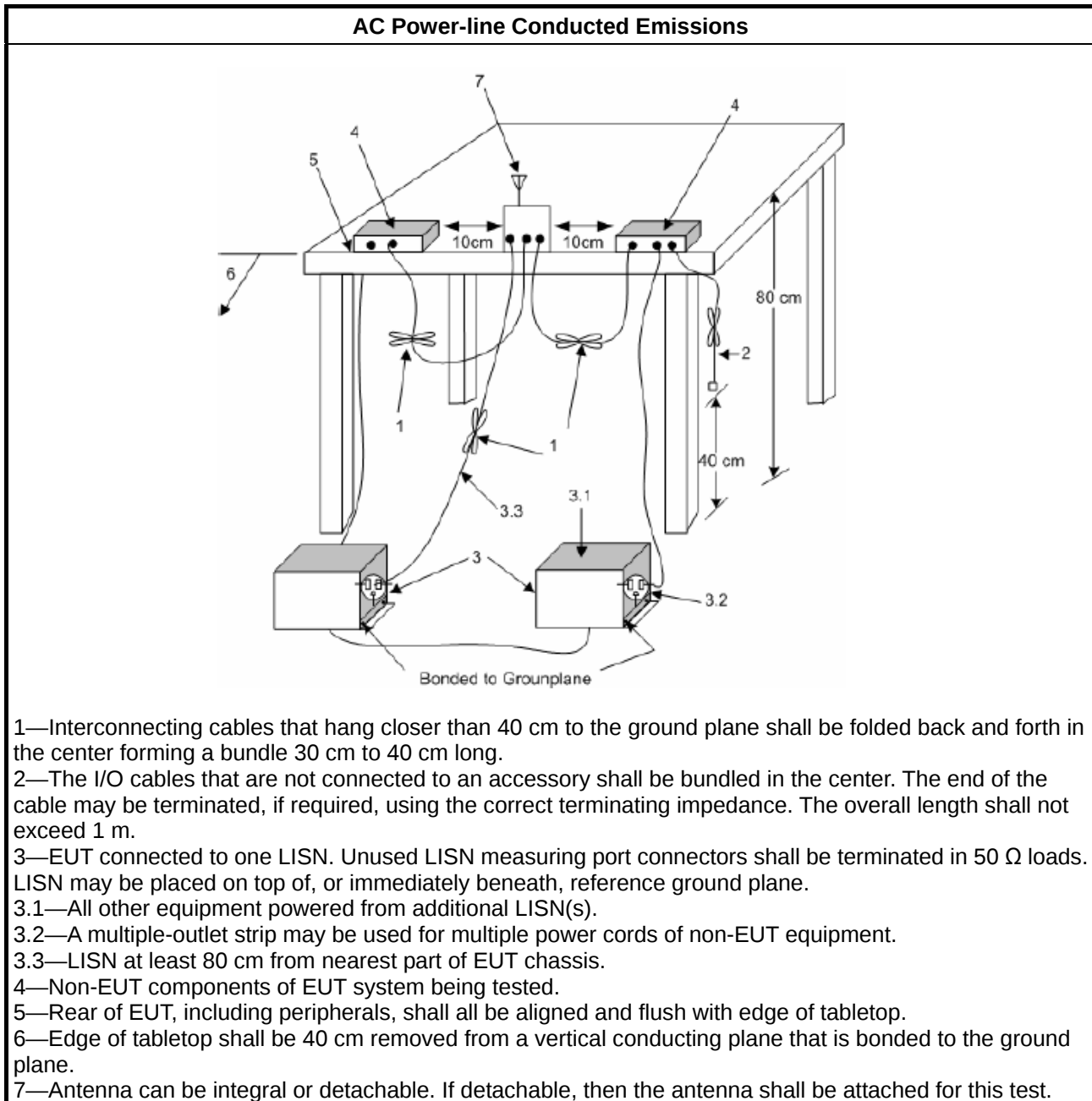
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
6 dB bandwidth $\geq$ 500 kHz.

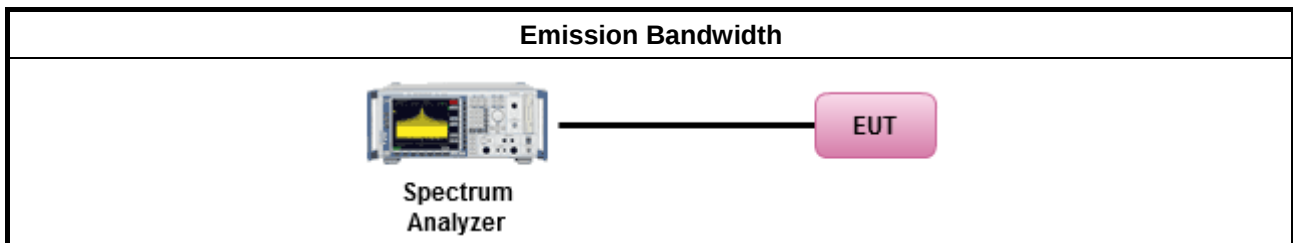
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
For the emission bandwidth shall be measured using one of the options below:
☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit						
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)					
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm					
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm					
	▪ Smart antenna system (SAS):					
	<table> <tr> <td>-</td><td>Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm</td></tr> <tr> <td>-</td><td>Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm</td></tr> <tr> <td>-</td><td>Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm</td></tr> </table>	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm	-
-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm					
-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm					
-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm					
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.						

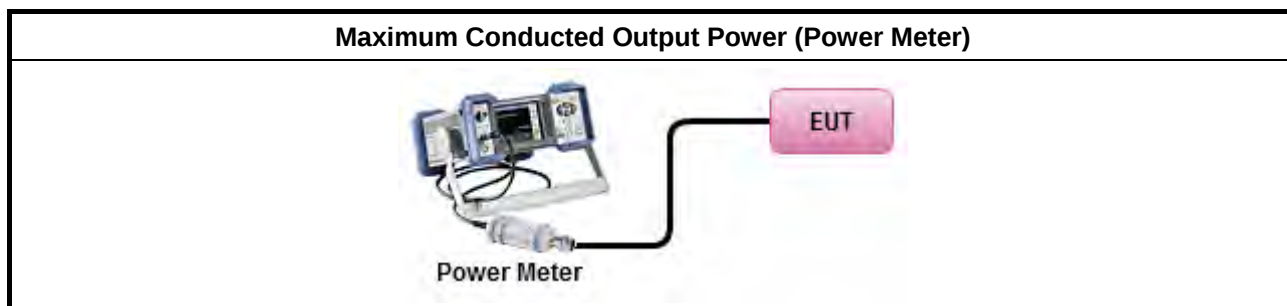
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (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
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

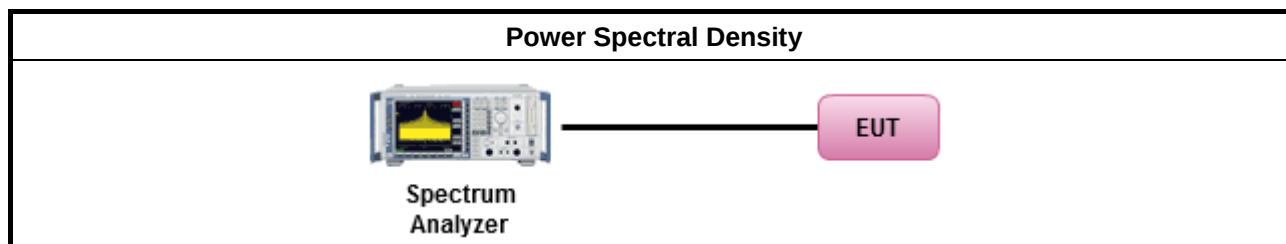
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
☒	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.
▪ For conducted measurement.	
▪ If The EUT supports multiple transmit chains using options given below:	
☐	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

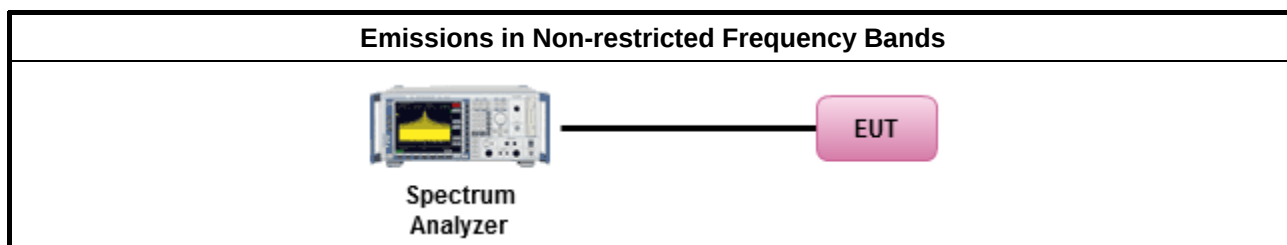
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

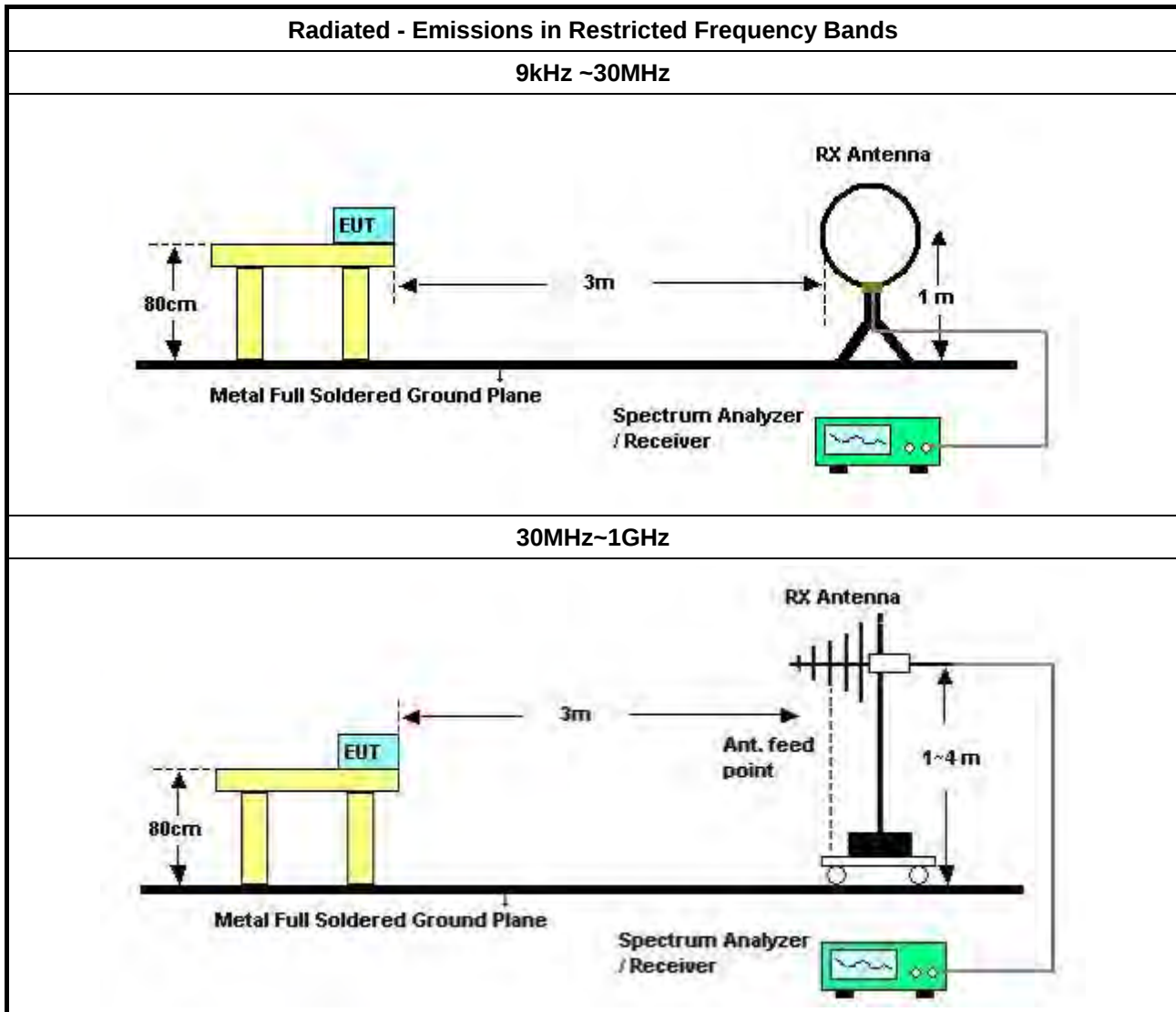
3.6.2 Measuring Instruments

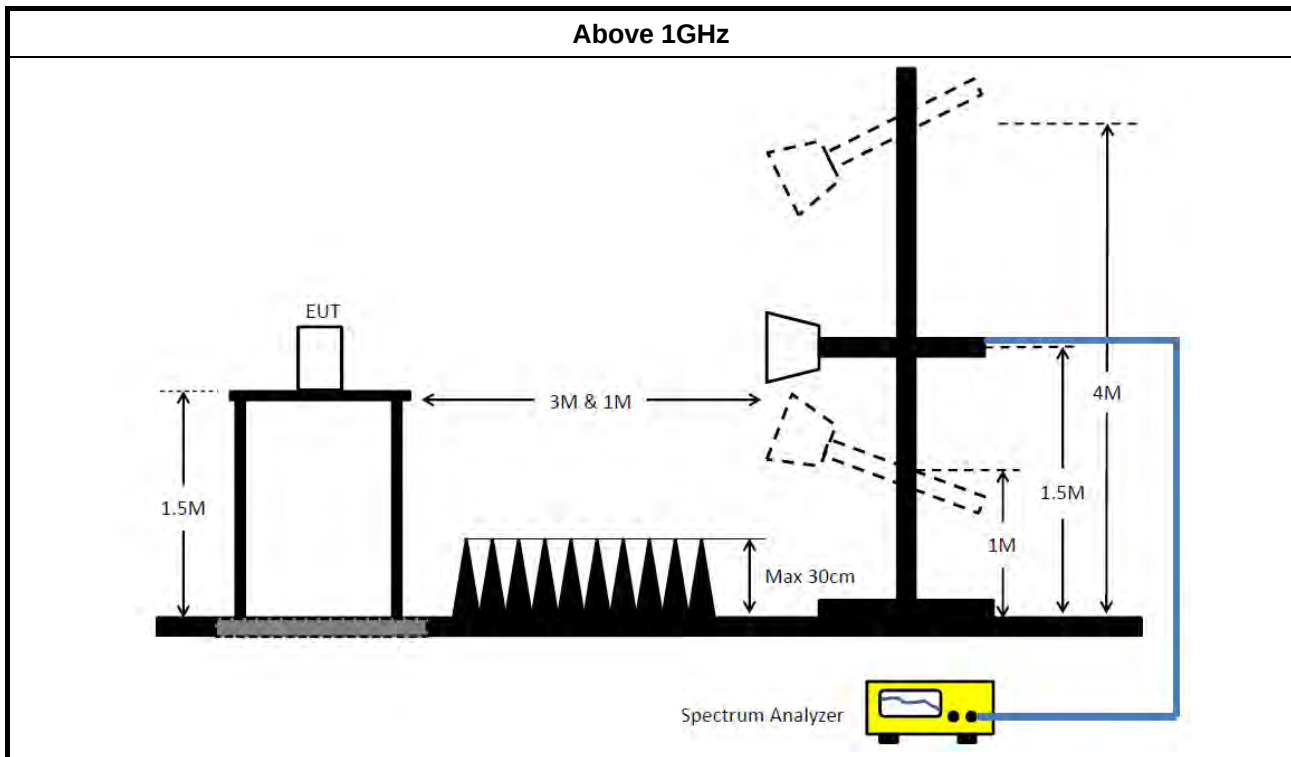
Refer a test equipment and calibration data table in this test report.

**3.6.3 Test Procedures**

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Mar. 10, 2020	Mar. 09, 2021	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz~30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 19, 2020	Mar. 18, 2021	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 28, 2020	Mar. 27, 2021	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 26, 2020	Feb. 25, 2021	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Mar 12, 2020	Mar 11, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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



Conducted Emissions at Powerline

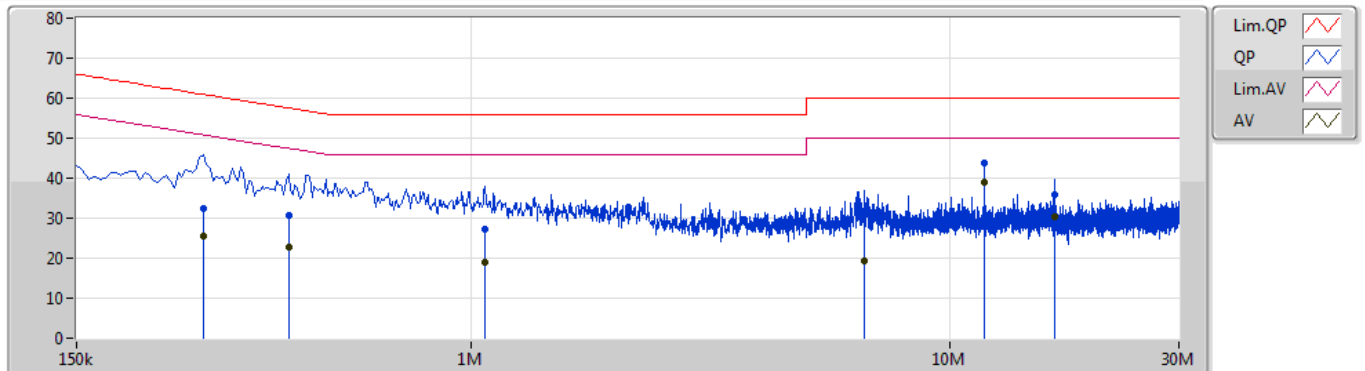
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	11.76M	38.89	50.00	-11.11	Line

Mode 2

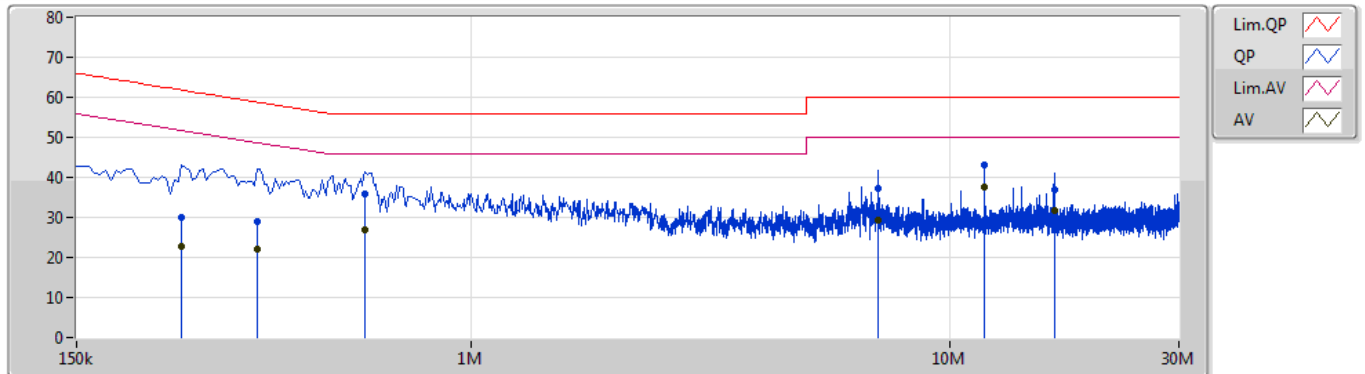
26/02/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	276k	32.36	60.93	-28.57	10.28	Line	-	22.08	0.07	0.07	10.14			
AV	276k	25.57	50.93	-25.36	10.28	Line	-	15.29	0.07	0.07	10.14			
QP	415.5k	30.83	57.53	-26.70	10.24	Line	-	20.59	0.08	0.06	10.10			
AV	415.5k	22.88	47.53	-24.65	10.24	Line	-	12.64	0.08	0.06	10.10			
QP	1.068M	27.17	56.00	-28.83	10.28	Line	-	16.89	0.09	0.08	10.11			
AV	1.068M	19.00	46.00	-27.00	10.28	Line	-	8.72	0.09	0.08	10.11			
QP	6.621M	31.25	60.00	-28.75	10.55	Line	-	20.70	0.21	0.18	10.16			
AV	6.621M	19.15	50.00	-30.85	10.55	Line	-	8.60	0.21	0.18	10.16			
QP	11.76M	43.95	60.00	-16.05	10.70	Line	-	33.25	0.30	0.23	10.17			
AV	11.76M	38.89	50.00	-11.11	10.70	Line	"Worst"	28.19	0.30	0.23	10.17			
QP	16.467M	35.75	60.00	-24.25	10.81	Line	-	24.94	0.37	0.26	10.18			
AV	16.467M	30.48	50.00	-19.52	10.81	Line	-	19.67	0.37	0.26	10.18			

Mode 2

26/02/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	249k	30.09	61.79	-31.70	10.28	Neutral	-	19.81	0.06	0.07	10.15			
AV	249k	22.87	51.79	-28.92	10.28	Neutral	-	12.59	0.06	0.07	10.15			
QP	357k	28.94	58.79	-29.85	10.23	Neutral	-	18.71	0.06	0.06	10.11			
AV	357k	22.00	48.79	-26.79	10.23	Neutral	-	11.77	0.06	0.06	10.11			
QP	600k	35.69	56.00	-20.31	10.24	Neutral	-	25.45	0.07	0.07	10.10			
AV	600k	27.04	46.00	-18.96	10.24	Neutral	-	16.80	0.07	0.07	10.10			
QP	7.058M	37.10	60.00	-22.90	10.53	Neutral	-	26.57	0.18	0.19	10.16			
AV	7.058M	29.48	50.00	-20.52	10.53	Neutral	-	18.95	0.18	0.19	10.16			
QP	11.76M	43.09	60.00	-16.91	10.64	Neutral	-	32.45	0.24	0.23	10.17			
AV	11.76M	37.45	50.00	-12.55	10.64	Neutral	"Worst"	26.81	0.24	0.23	10.17			
QP	16.467M	37.01	60.00	-22.99	10.71	Neutral	-	26.30	0.27	0.26	10.18			
AV	16.467M	31.87	50.00	-18.13	10.71	Neutral	-	21.16	0.27	0.26	10.18			

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	9M	13.668M	13M7G1D	8.55M	13.393M
802.11g_Nss1,(6Mbps)_1TX	16.325M	18.191M	18M2D1D	16.3M	16.842M
802.11n HT20_Nss1,(MCS0)_1TX	17.575M	18.841M	18M8D1D	17.55M	17.866M
802.11n HT40_Nss1,(MCS0)_1TX	35.15M	36.432M	36M4D1D	35.05M	36.332M

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

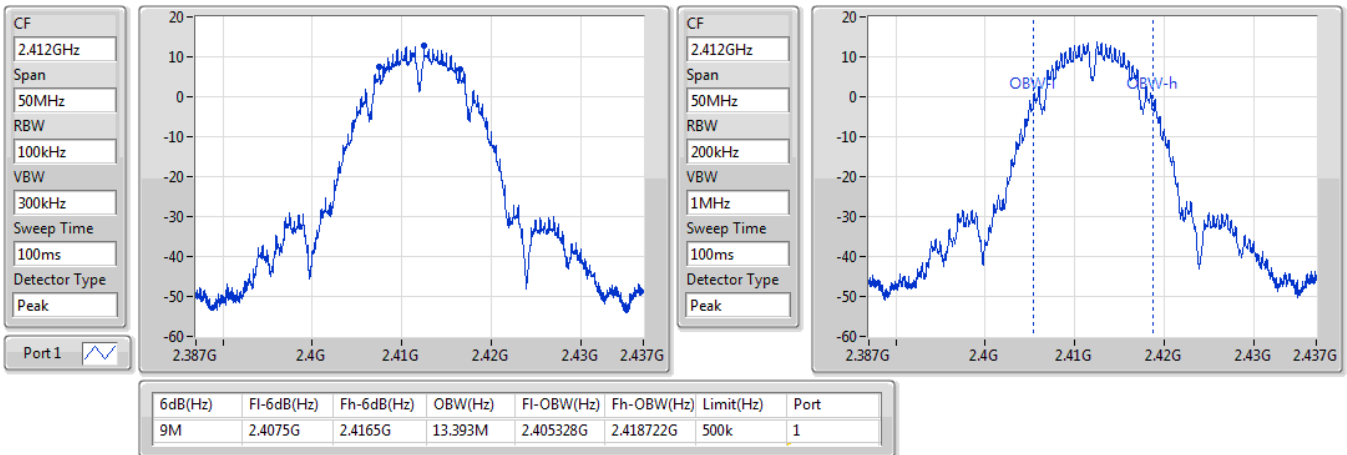
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9M	13.393M
2437MHz	Pass	500k	8.575M	13.668M
2462MHz	Pass	500k	8.55M	13.643M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.3M	16.842M
2437MHz	Pass	500k	16.325M	18.191M
2462MHz	Pass	500k	16.325M	16.917M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.575M	17.941M
2437MHz	Pass	500k	17.55M	18.841M
2462MHz	Pass	500k	17.55M	17.866M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.05M	36.332M
2437MHz	Pass	500k	35.15M	36.432M
2452MHz	Pass	500k	35.1M	36.382M

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

802.11b_Nss1,(1Mbps)_1TX

EBW
2412MHz

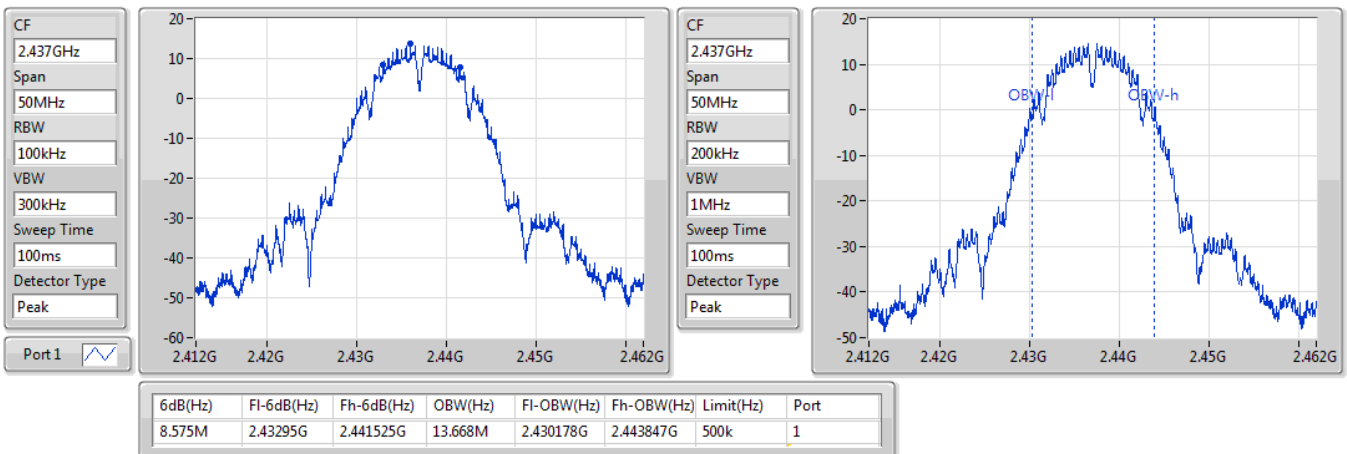
02/02/2021



802.11b_Nss1,(1Mbps)_1TX

EBW
2437MHz

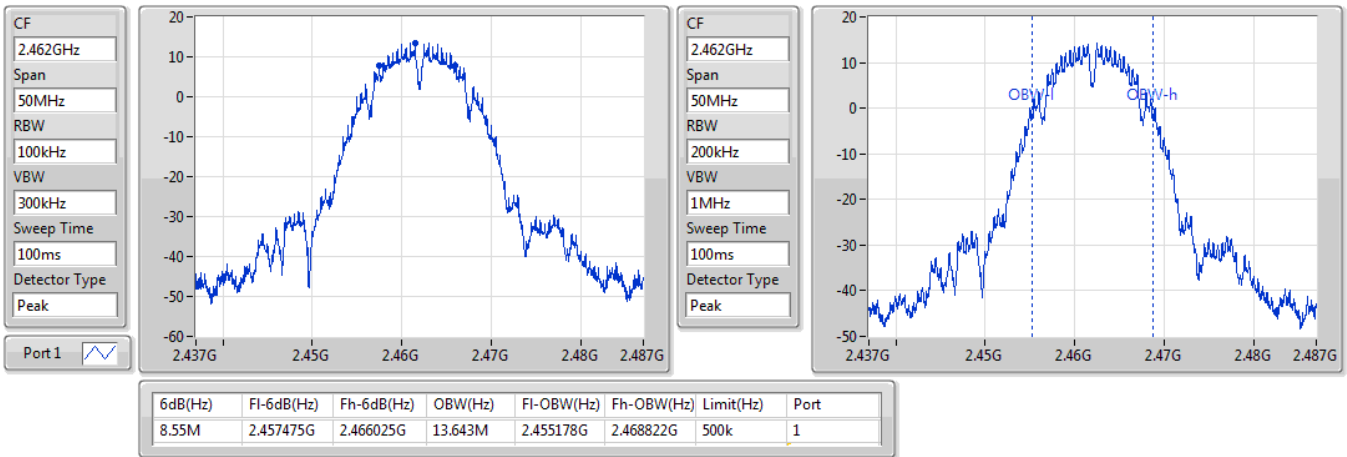
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802.11b_Nss1,(1Mbps)_1TX

EBW
2462MHz

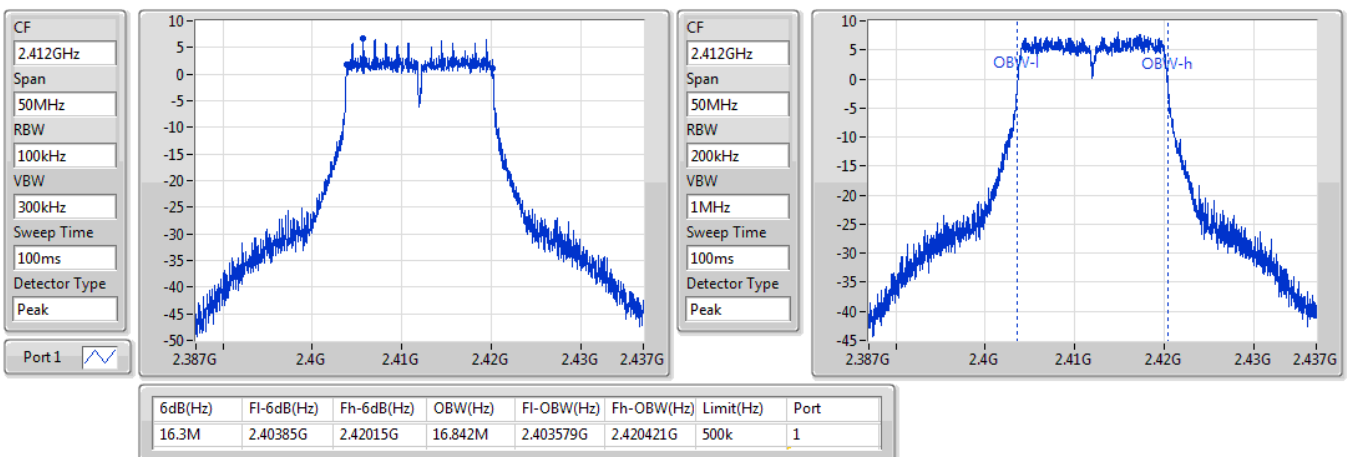
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802.11g_Nss1,(6Mbps)_1TX

EBW
2412MHz

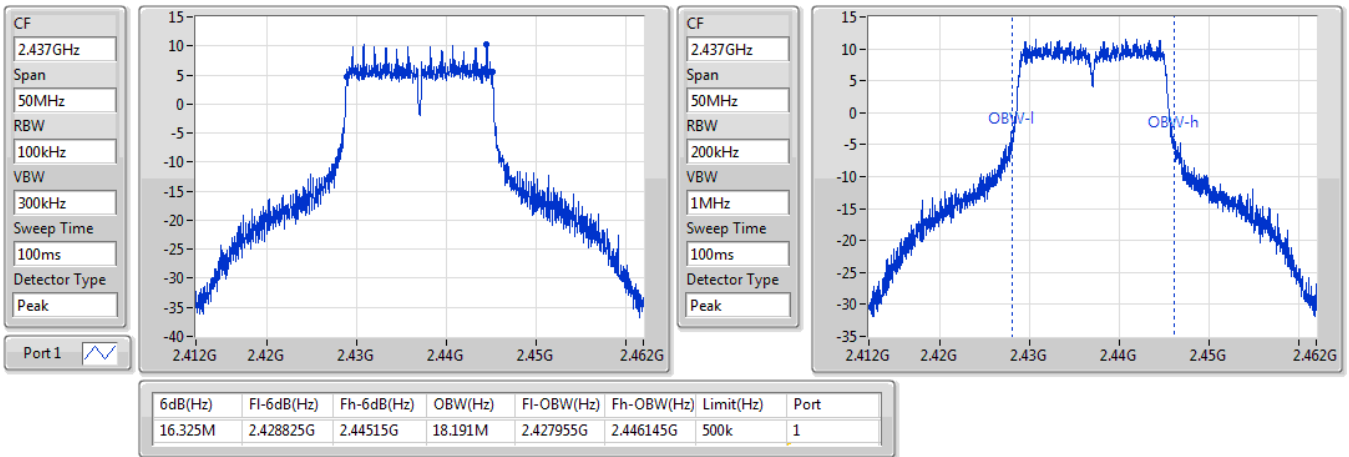
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802.11g_Nss1,(6Mbps)_1TX

EBW
2437MHz

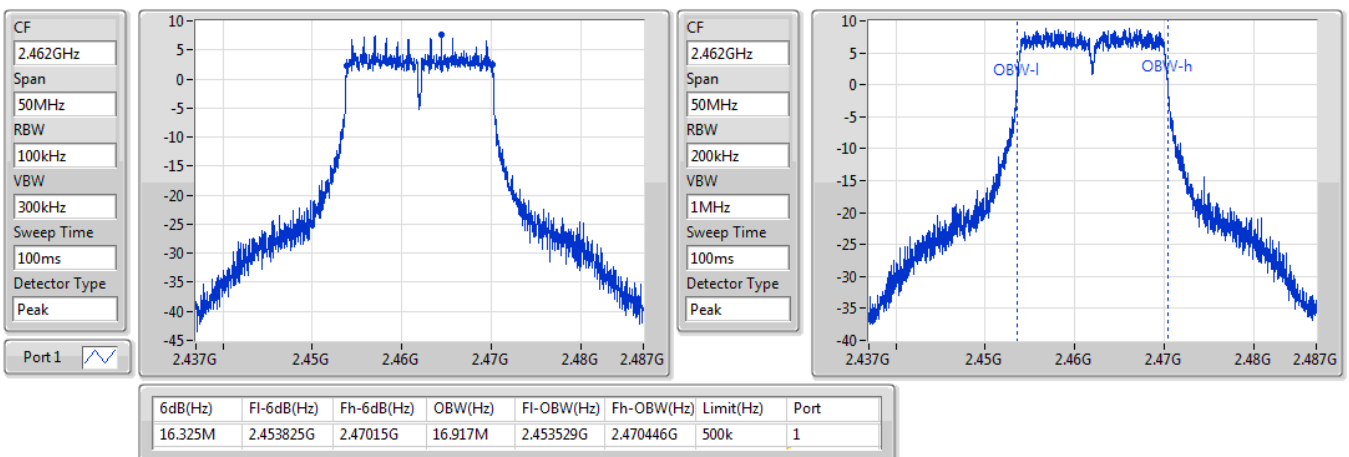
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802.11g_Nss1,(6Mbps)_1TX

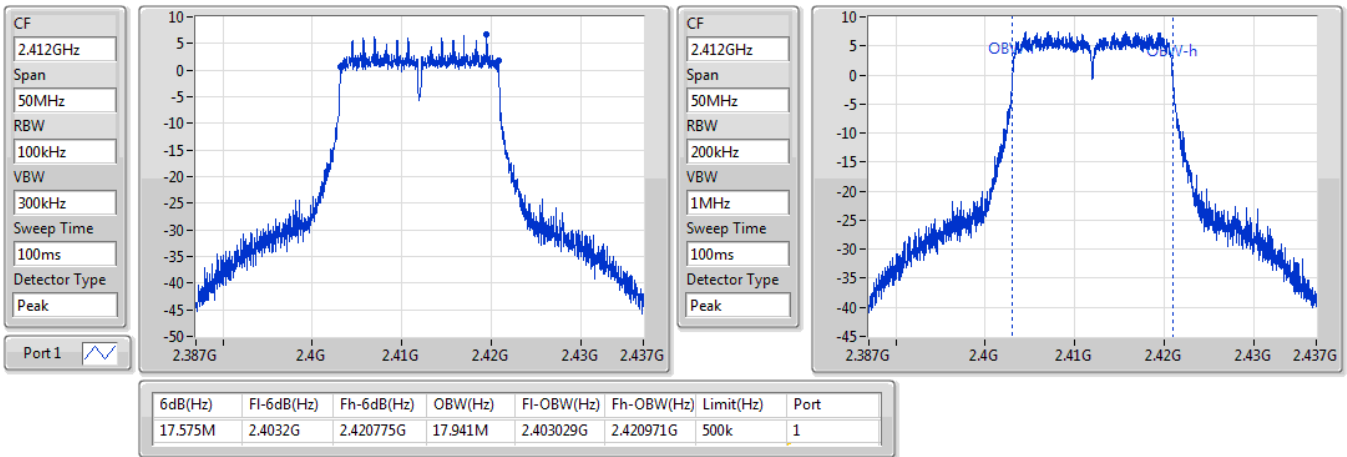
EBW
2462MHz

02/02/2021

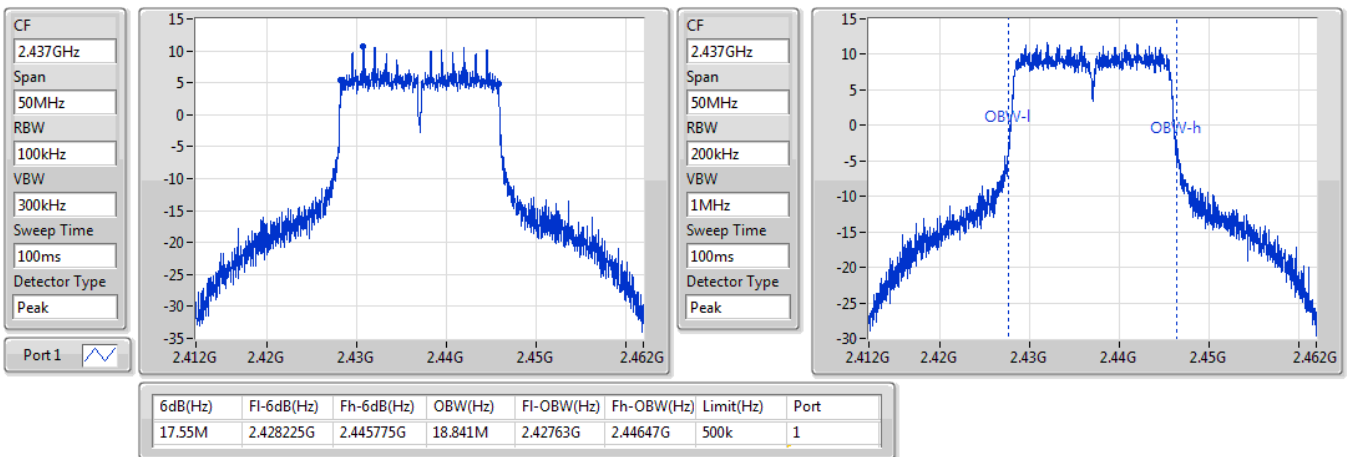


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2412MHz

02/02/2021


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz

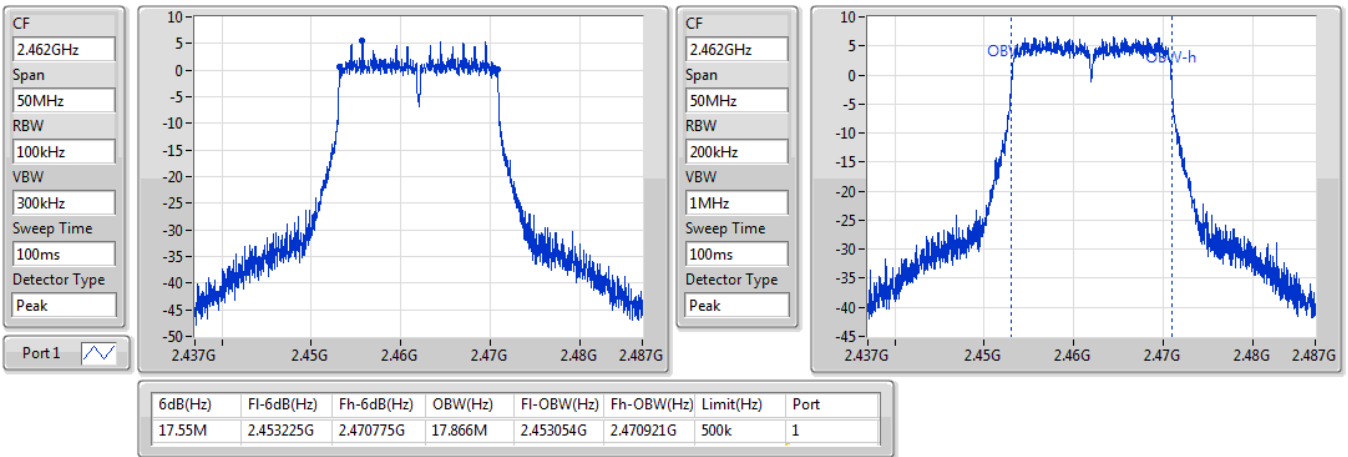
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802.11n HT20_Nss1,(MCS0)_1TX

EBW
2462MHz

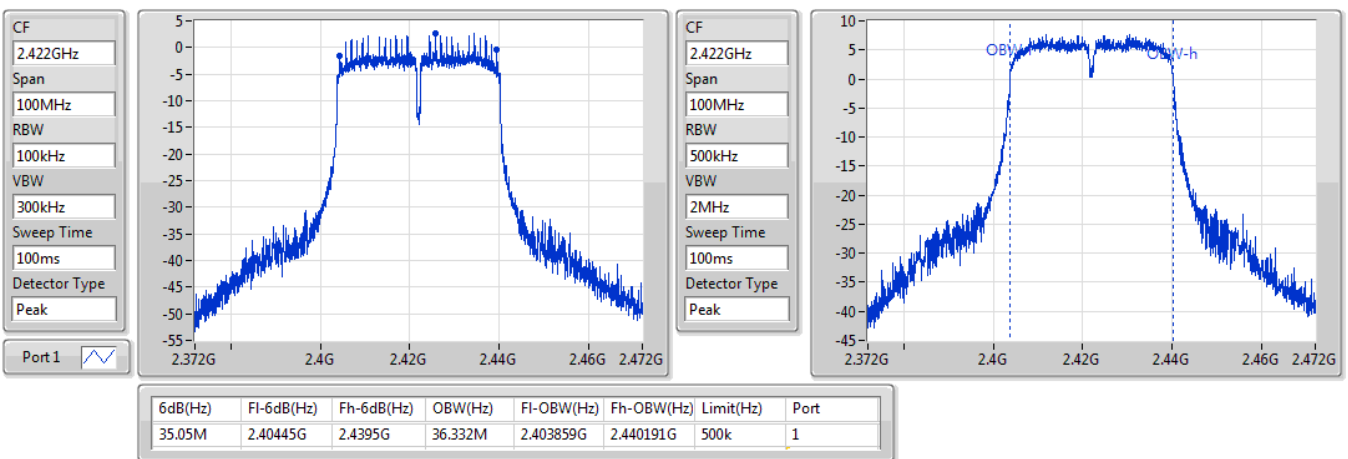
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802.11n HT40_Nss1,(MCS0)_1TX

EBW
2422MHz

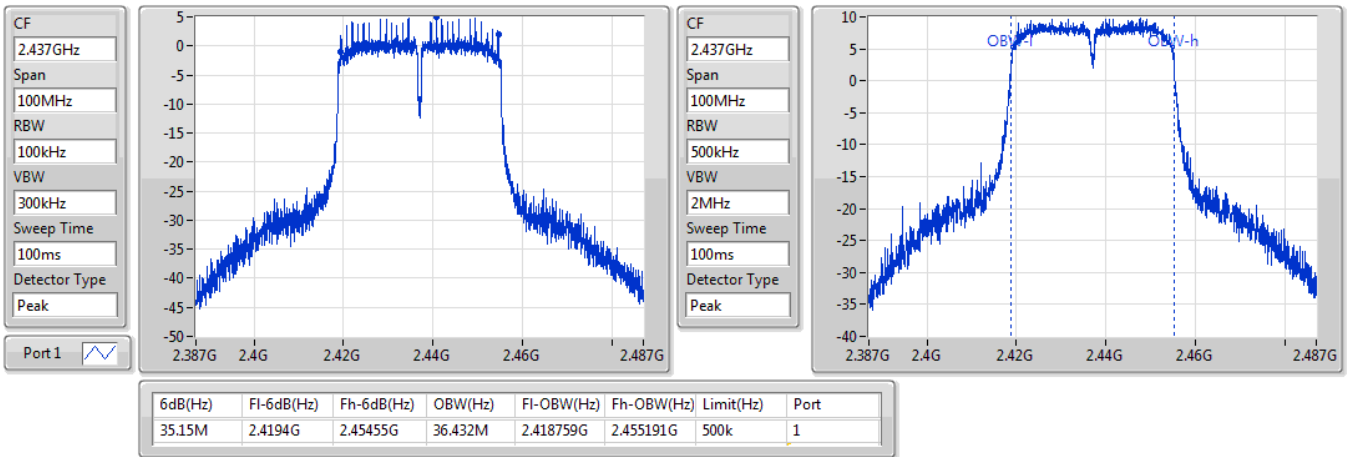
02/02/2021



802.11n HT40_Nss1,(MCS0)_1TX

EBW
2437MHz

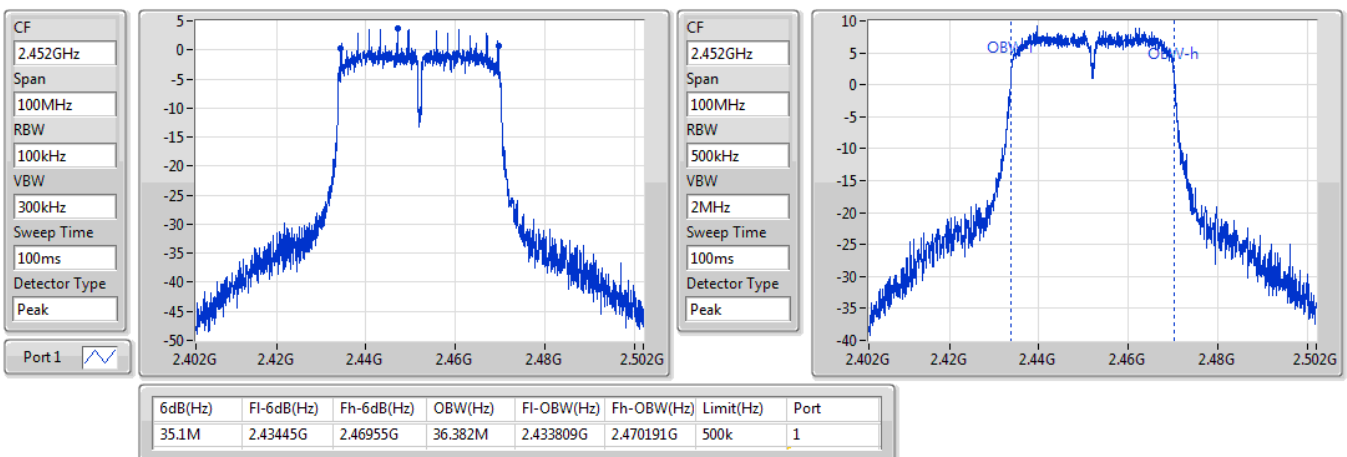
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802.11n HT40_Nss1,(MCS0)_1TX

EBW
2452MHz

02/02/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.60	0.18197
802.11g_Nss1,(6Mbps)_1TX	21.69	0.14757
802.11n HT20_Nss1,(MCS0)_1TX	21.61	0.14488
802.11n HT40_Nss1,(MCS0)_1TX	19.02	0.07980

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	21.91	21.91	30.00
2437MHz	Pass	2.68	22.60	22.60	30.00
2462MHz	Pass	2.68	22.55	22.55	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	18.04	18.04	30.00
2417MHz	Pass	2.68	20.01	20.01	30.00
2437MHz	Pass	2.68	21.69	21.69	30.00
2462MHz	Pass	2.68	19.17	19.17	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	18.05	18.05	30.00
2417MHz	Pass	2.68	20.09	20.09	30.00
2437MHz	Pass	2.68	21.61	21.61	30.00
2457MHz	Pass	2.68	19.26	19.26	30.00
2462MHz	Pass	2.68	17.27	17.27	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.68	16.66	16.66	30.00
2437MHz	Pass	2.68	19.02	19.02	30.00
2452MHz	Pass	2.68	17.96	17.96	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	-0.45
802.11g_Nss1,(6Mbps)_1TX	-4.40
802.11n HT20_Nss1,(MCS0)_1TX	-5.15
802.11n HT40_Nss1,(MCS0)_1TX	-9.76

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	2.68	-2.61	-2.61	8.00
2437MHz	Pass	2.68	-0.45	-0.45	8.00
2462MHz	Pass	2.68	-0.55	-0.55	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	-8.07	-8.07	8.00
2437MHz	Pass	2.68	-4.40	-4.40	8.00
2462MHz	Pass	2.68	-7.19	-7.19	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.68	-8.29	-8.29	8.00
2437MHz	Pass	2.68	-5.15	-5.15	8.00
2462MHz	Pass	2.68	-8.92	-8.92	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.68	-10.74	-10.74	8.00
2437MHz	Pass	2.68	-9.76	-9.76	8.00
2452MHz	Pass	2.68	-10.71	-10.71	8.00

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

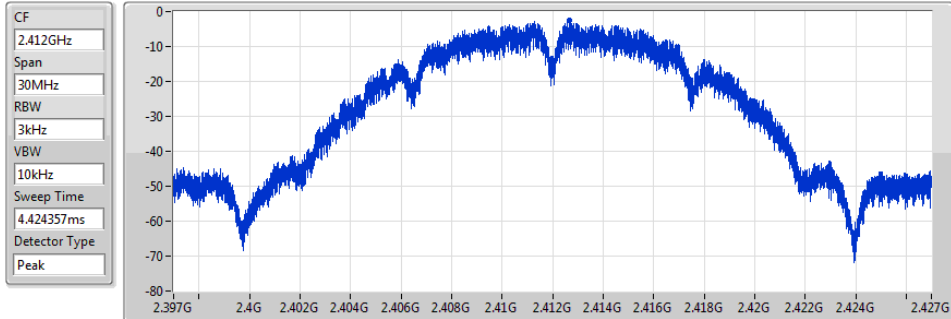
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

02/02/2021



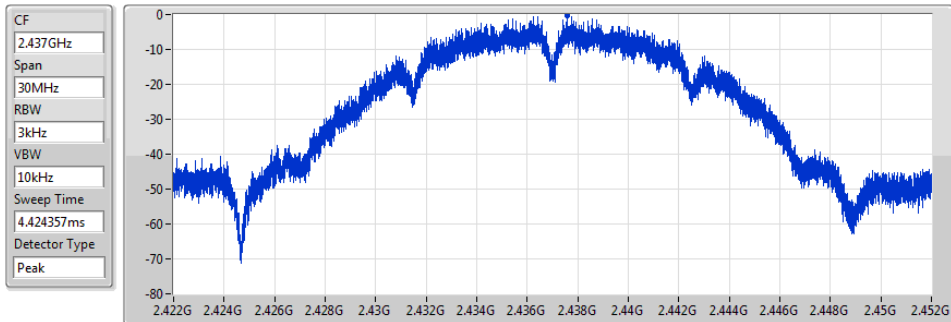
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-2.61	-2.61	-2.61

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

02/02/2021



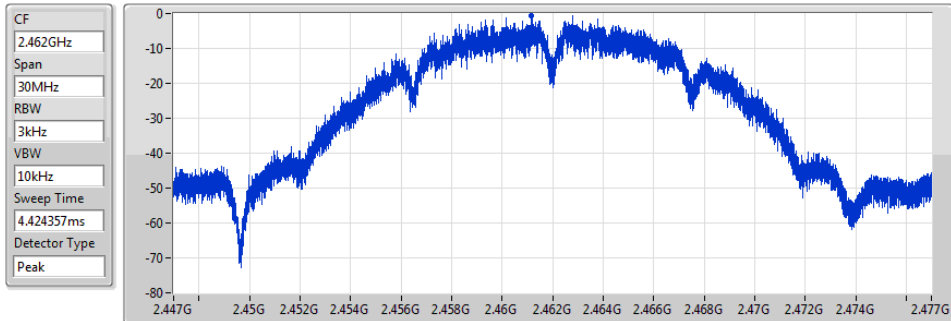
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.45	-0.45	-0.45

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

02/02/2021



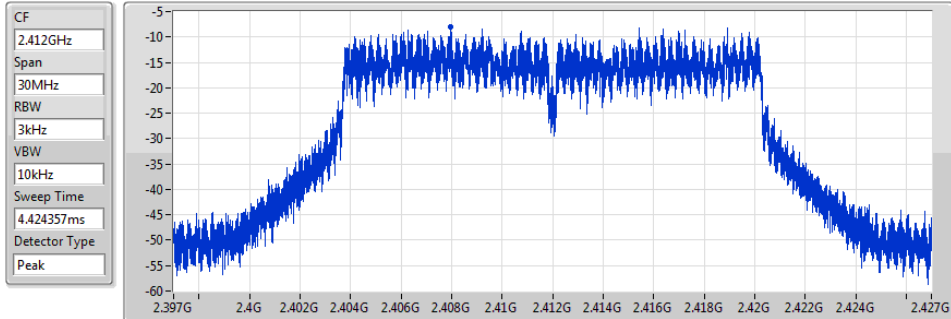
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.55	-0.55	-0.55

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

02/02/2021



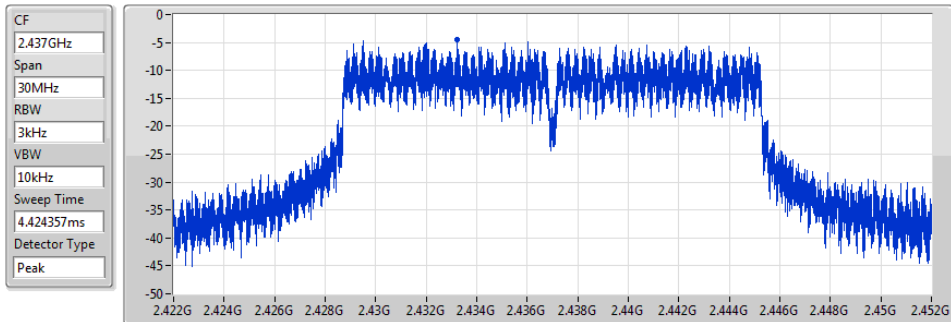
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.07	-8.07	-8.07

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

02/02/2021



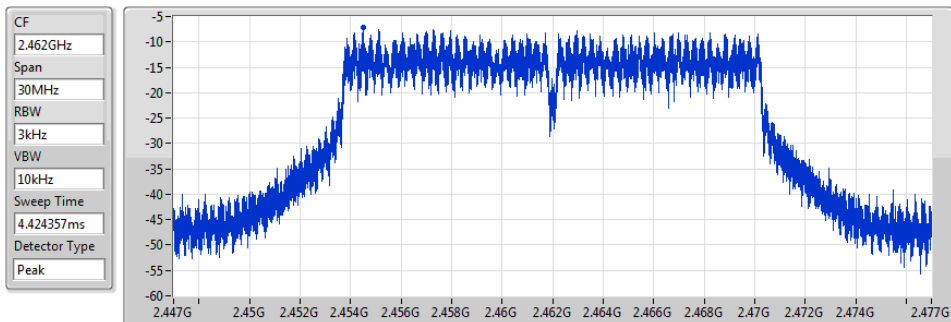
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.40	-4.40	-4.40

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

02/02/2021



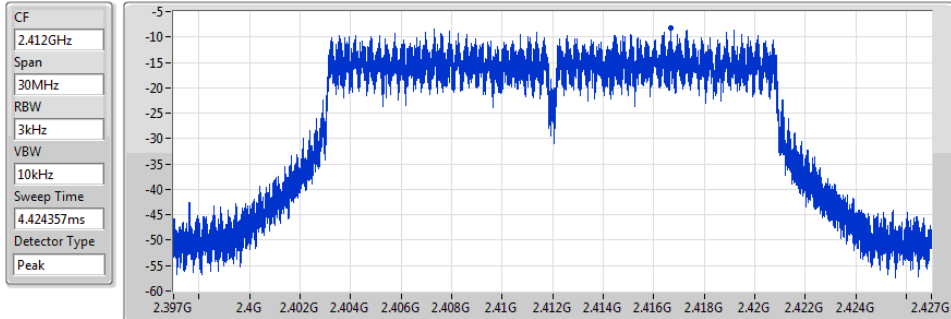
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.19	-7.19	-7.19

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

02/02/2021



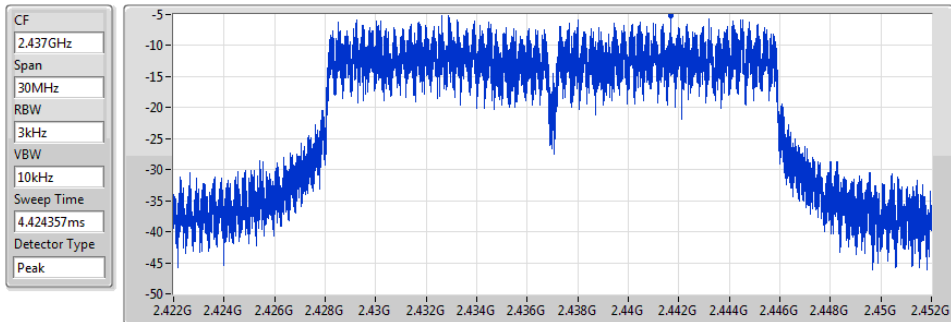
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.29	-8.29	-8.29

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

02/02/2021



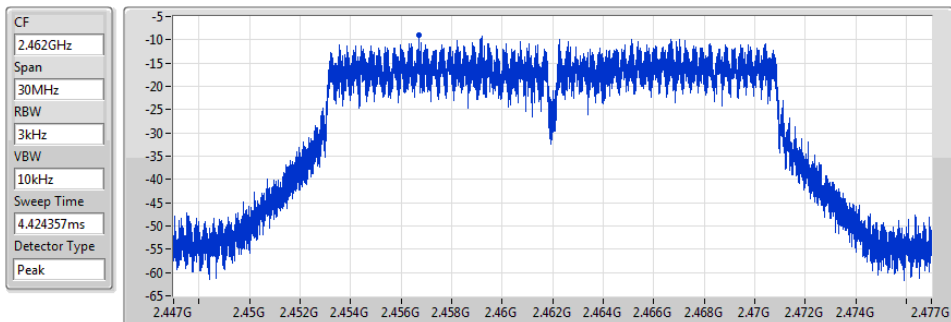
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.15	-5.15	-5.15

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

02/02/2021



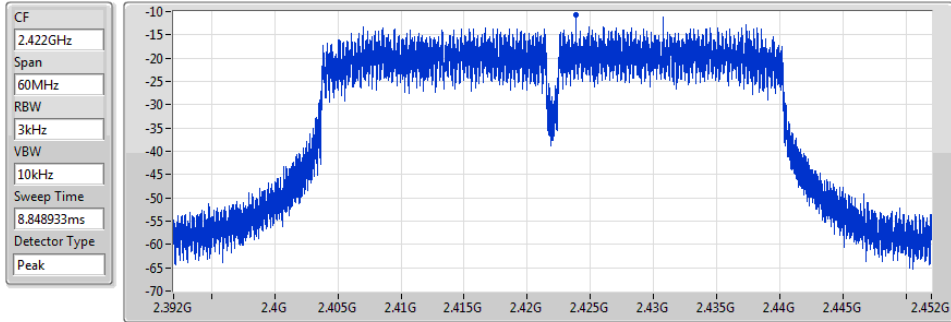
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.92	-8.92	-8.92

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2422MHz

02/02/2021



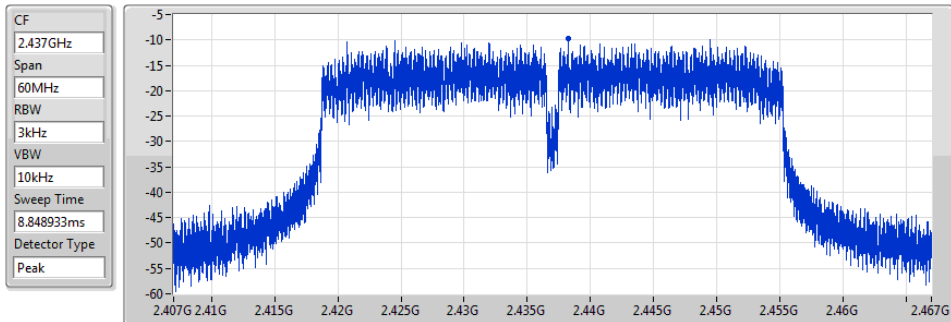
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.74	-10.74	-10.74

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

02/02/2021



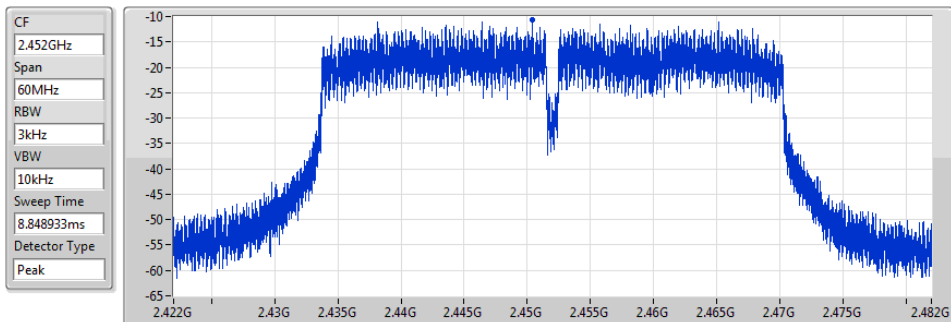
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.76	-9.76	-9.76

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2452MHz

02/02/2021



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.71	-10.71	-10.71



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	2.43645G	13.71	-16.29	931.71M	-52.22	2.3975G	-29.17	2.4G	-37.57	2.49372G	-51.36	7.23514G	-35.42	1
802.11g_Nss1.(6Mbps)_1TX	Pass	2.44451G	10.09	-19.91	918.6M	-53.35	2.39982G	-24.46	2.4G	-29.20	2.49066G	-51.63	7.23233G	-42.42	1
802.11n HT20_Nss1.(MCS0)_1TX	Pass	2.43198G	10.52	-19.48	449.11M	-52.85	2.39946G	-24.63	2.4G	-26.54	2.492G	-51.36	7.22952G	-42.94	1
802.11n HT40_Nss1.(MCS0)_1TX	Pass	2.43449G	4.86	-25.14	846.96M	-52.98	2.39996G	-29.32	2.4G	-30.83	2.48518G	-38.44	6.84607G	-46.49	1

Result

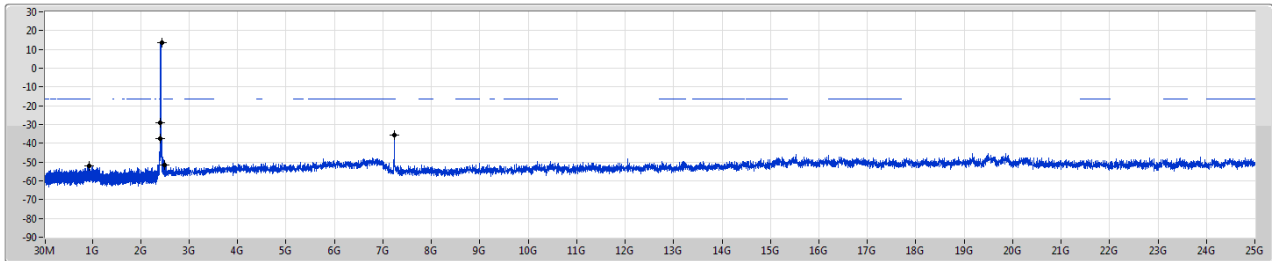
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43645G	13.71	-16.29	931.71M	-52.22	2.3975G	-29.17	2.4G	-37.57	2.49372G	-51.36	7.23514G	-35.42	1
2437MHz	Pass	2.43645G	13.71	-16.29	931.13M	-52.93	2.39922G	-51.25	2.4G	-51.48	2.49346G	-49.01	16.52636G	-46.95	1
2462MHz	Pass	2.43645G	13.71	-16.29	860.35M	-52.81	2.398G	-50.50	2.4835G	-43.05	2.48398G	-43.02	16.9506G	-46.77	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	10.09	-19.91	918.6M	-53.35	2.39982G	-24.46	2.4G	-29.20	2.49066G	-51.63	7.23233G	-42.42	1
2437MHz	Pass	2.44451G	10.09	-19.91	2.15583G	-52.90	2.39908G	-41.41	2.4G	-44.06	2.48892G	-41.93	16.44207G	-45.69	1
2462MHz	Pass	2.44451G	10.09	-19.91	1.64469G	-53.04	2.39386G	-50.23	2.4835G	-34.62	2.48356G	-30.35	6.82775G	-45.87	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	10.52	-19.48	449.11M	-52.85	2.39946G	-24.63	2.4G	-26.54	2.492G	-51.36	7.22952G	-42.94	1
2437MHz	Pass	2.43198G	10.52	-19.48	921.23M	-51.93	2.3995G	-38.53	2.4G	-41.54	2.48824G	-41.23	16.63312G	-46.64	1
2462MHz	Pass	2.43198G	10.52	-19.48	842.3M	-52.97	2.39702G	-51.21	2.4835G	-39.93	2.48394G	-37.71	17.53218G	-46.63	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	4.86	-25.14	2.1431G	-52.87	2.39672G	-30.08	2.4G	-30.36	2.48458G	-49.44	24.43909G	-45.86	1
2437MHz	Pass	2.43449G	4.86	-25.14	846.96M	-52.98	2.39996G	-29.32	2.4G	-30.83	2.48518G	-38.44	6.84607G	-46.49	1
2452MHz	Pass	2.43449G	4.86	-25.14	944.86M	-52.66	2.39952G	-44.80	2.4835G	-34.57	2.48562G	-32.65	21.77756G	-46.35	1

802.11b_Nss1,(1Mbps)_1TX

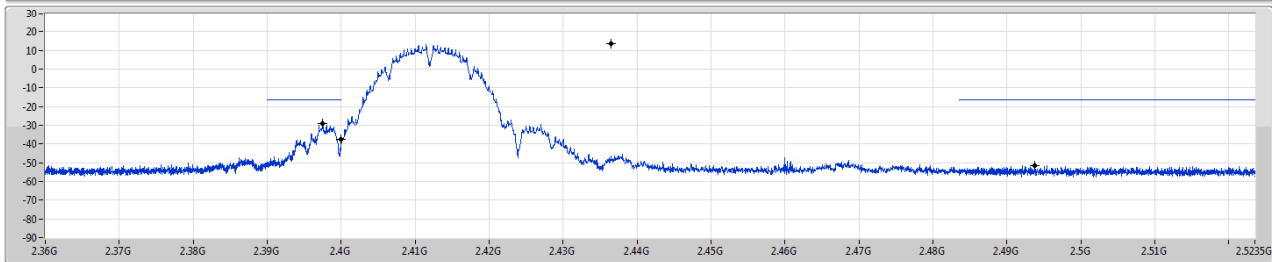
CSE NdB

2412MHz

02/02/2021



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

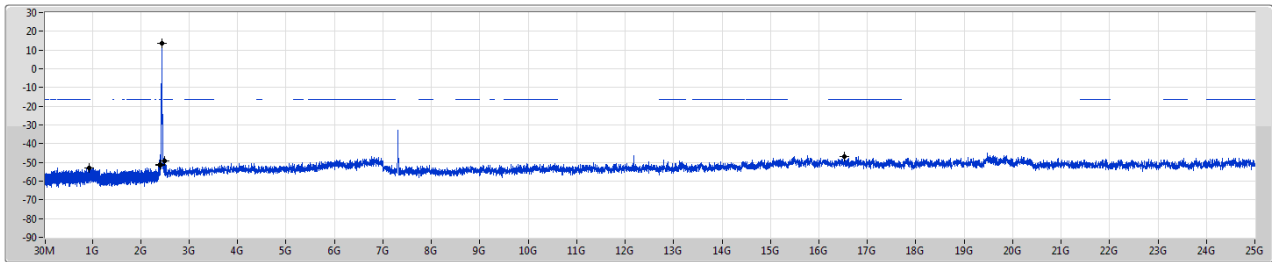
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43645G	13.71	-16.29	931.71M	-52.22	2.3975G	-29.17	2.4G	-37.57	2.49372G	-51.36	7.23514G	-35.42	1

802.11b_Nss1,(1Mbps)_1TX

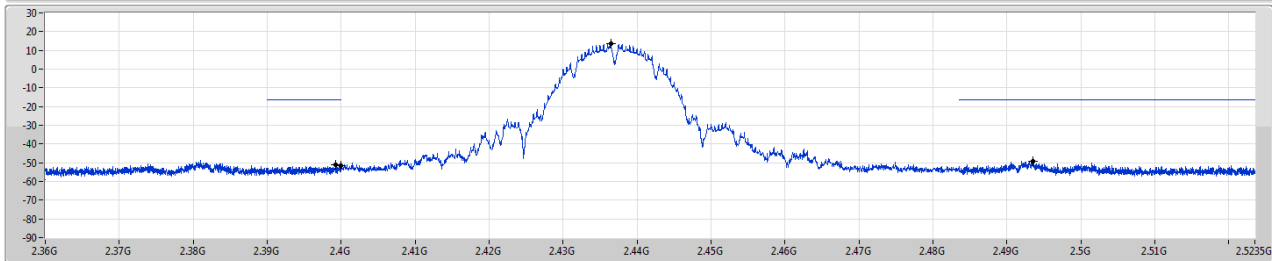
CSE NdB

2437MHz

02/02/2021



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

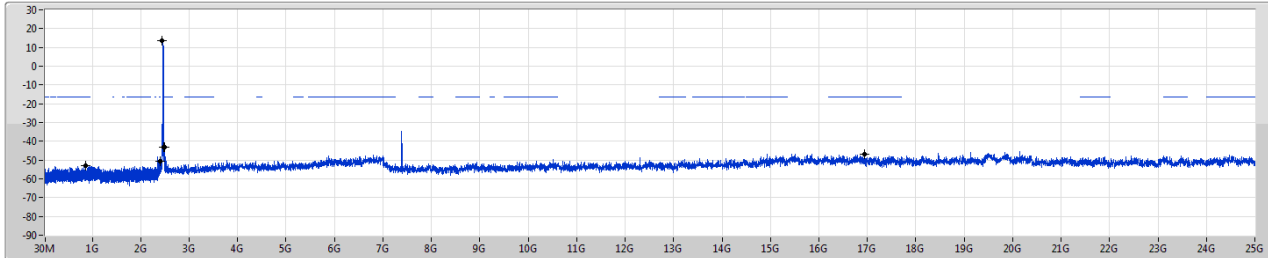
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43645G	13.71	-16.29	931.13M	-52.93	2.39922G	-51.25	2.4G	-51.48	2.49346G	-49.01	16.52636G	-46.95	1

802.11b_Nss1,(1Mbps)_1TX

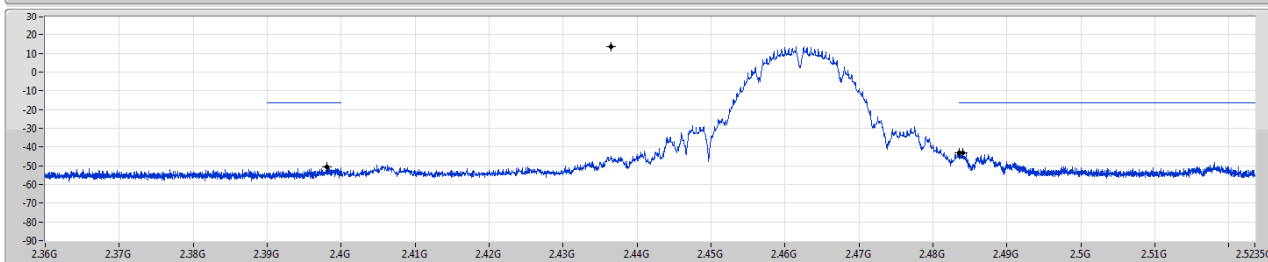
2462MHz

CSE NdB

02/02/2021



Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

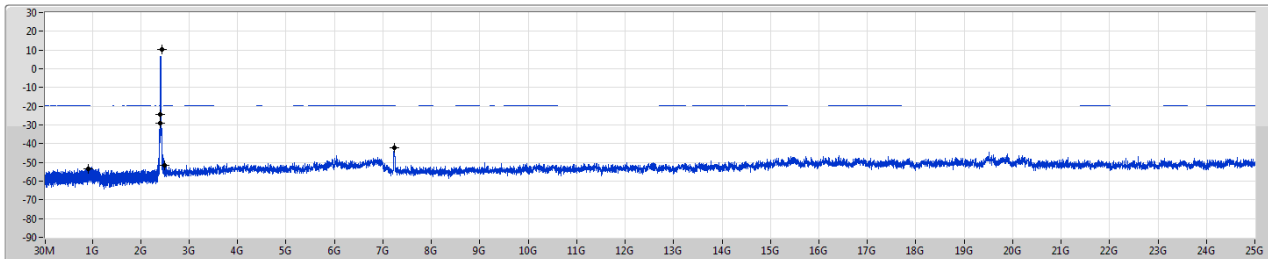
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43645G	13.71	-16.29	860.35M	-52.81	2.398G	-50.50	2.4835G	-43.05	2.48398G	-43.02	16.9506G	-46.77	1

802.11g_Nss1,(6Mbps)_1TX

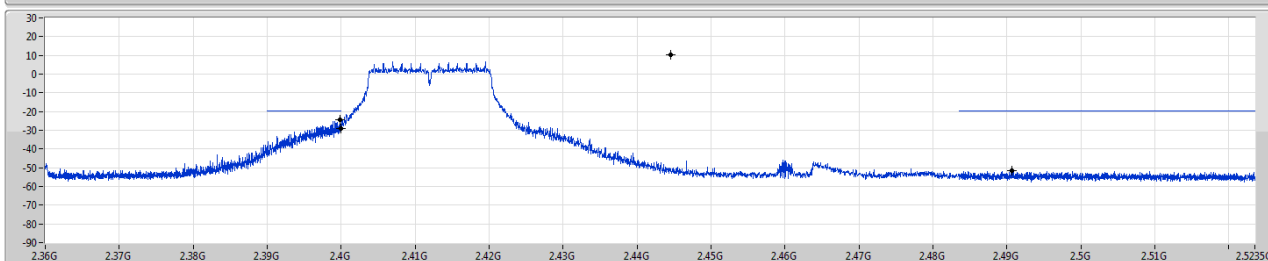
2412MHz

CSE NdB

02/02/2021



Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.44451G	10.09	-19.91	918.6M	-53.35	2.39982G	-24.46	2.4G	-29.20	2.49066G	-51.63	7.23233G	-42.42	1

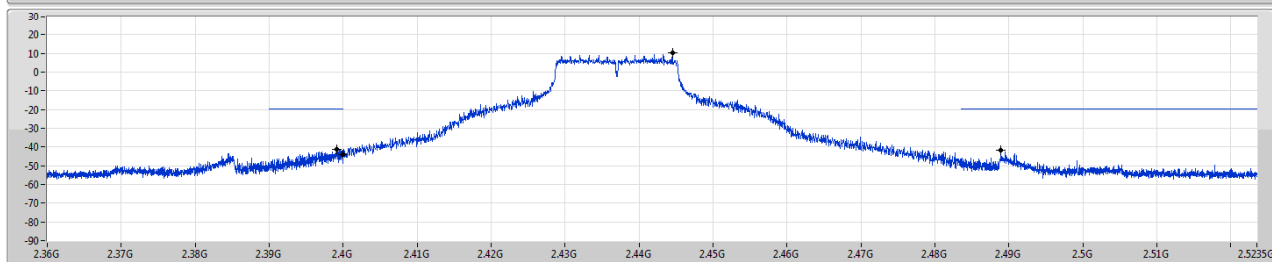
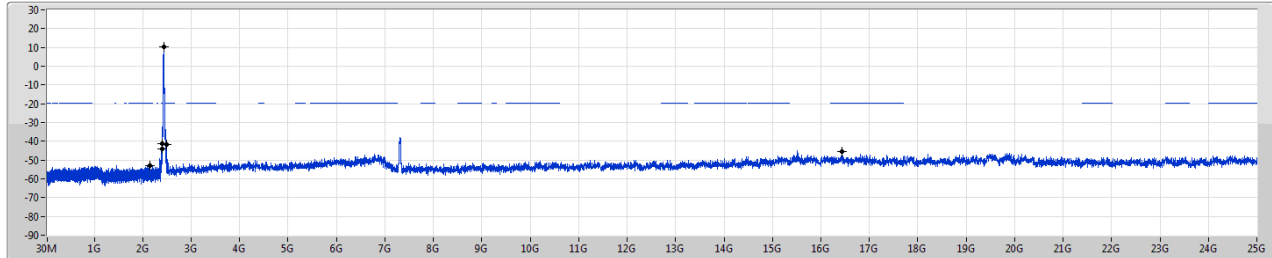
802.11g_Nss1,(6Mbps)_1TX

2437MHz

CSE NdB

02/02/2021

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.44451G	10.09	-19.91	2.15583G	-52.90	2.39908G	-41.41	2.4G	-44.06	2.48892G	-41.93	16.44207G	-45.69	1

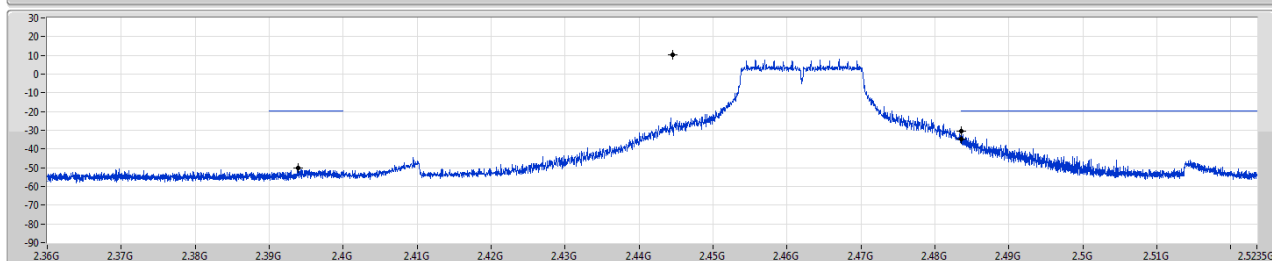
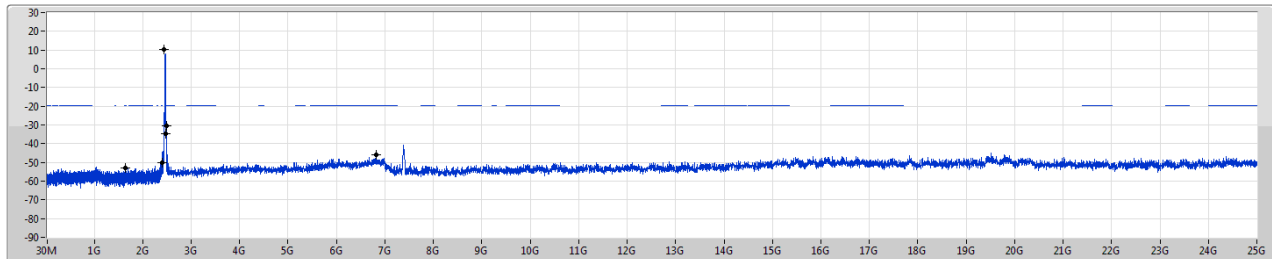
802.11g_Nss1,(6Mbps)_1TX

2462MHz

CSE NdB

02/02/2021

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.44451G	10.09	-19.91	1.64469G	-53.04	2.39386G	-50.23	2.4835G	-34.62	2.48356G	-30.35	6.82775G	-45.87	1

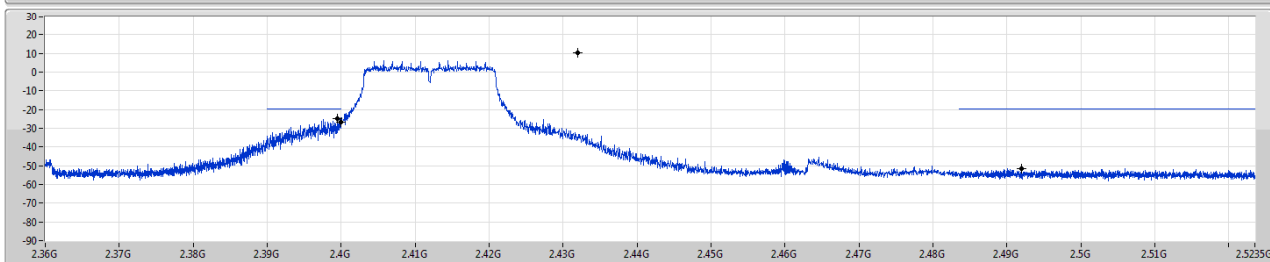
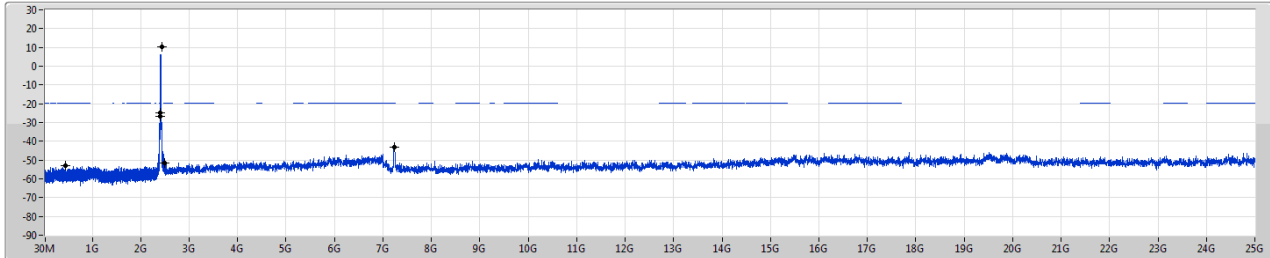
802.11n HT20_Nss1,(MCS0)_1TX

2412MHz

CSE NdB

02/02/2021

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	10.52	-19.48	449.11M	-52.85	2.39946G	-24.63	2.4G	-26.54	2.492G	-51.36	7.22952G	-42.94	1

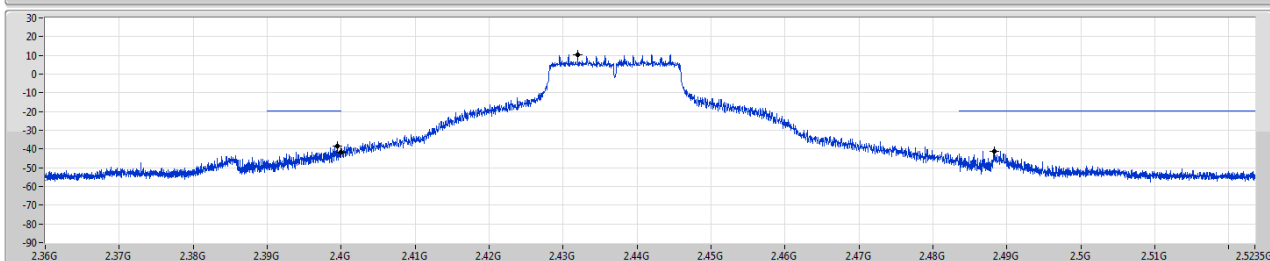
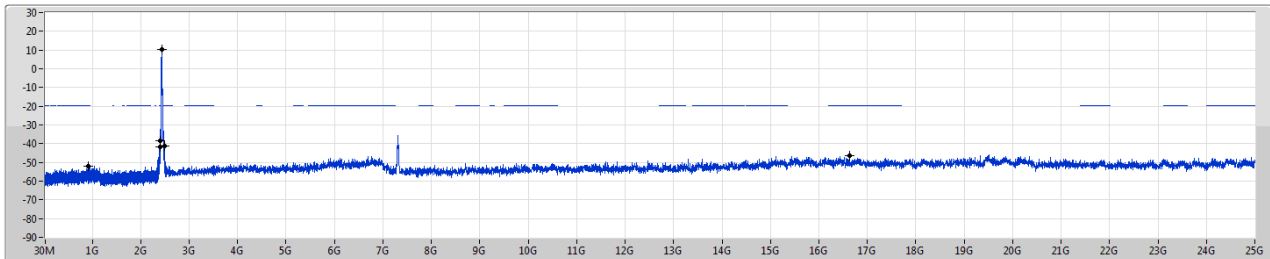
802.11n HT20_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

02/02/2021

Port 1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

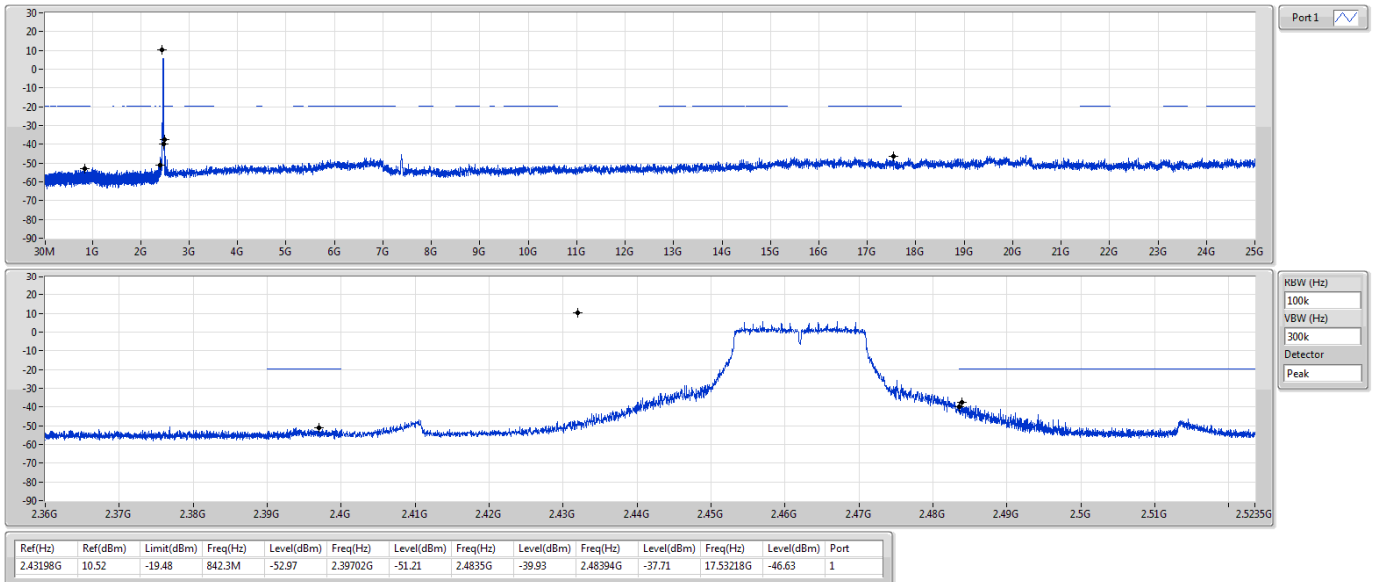
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	10.52	-19.48	921.23M	-51.93	2.3995G	-38.53	2.4G	-41.54	2.48824G	-41.23	16.63312G	-46.64	1

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz

CSE NdB

02/02/2021

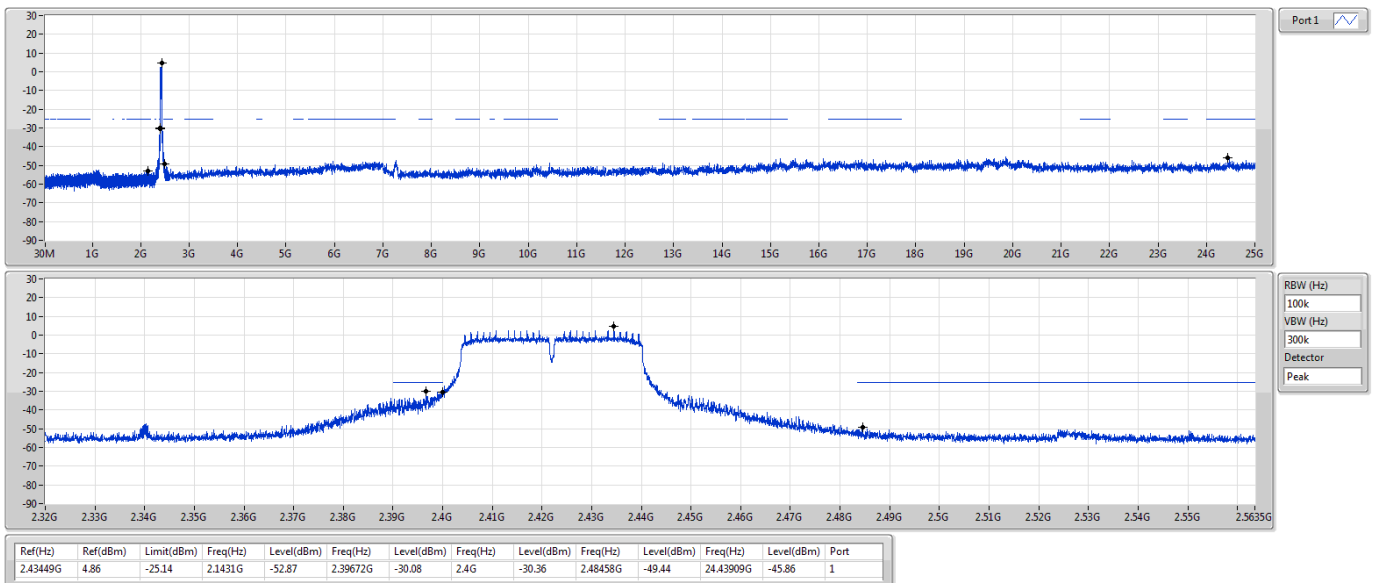


802.11n HT40_Nss1,(MCS0)_1TX

2422MHz

CSE NdB

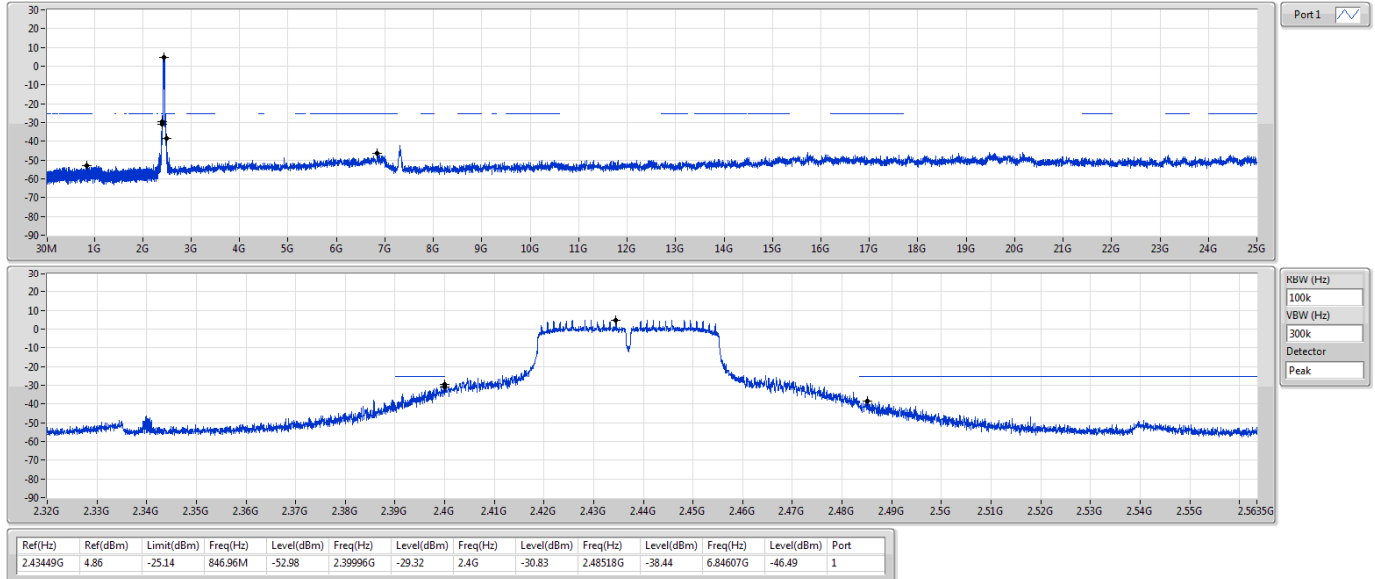
02/02/2021



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

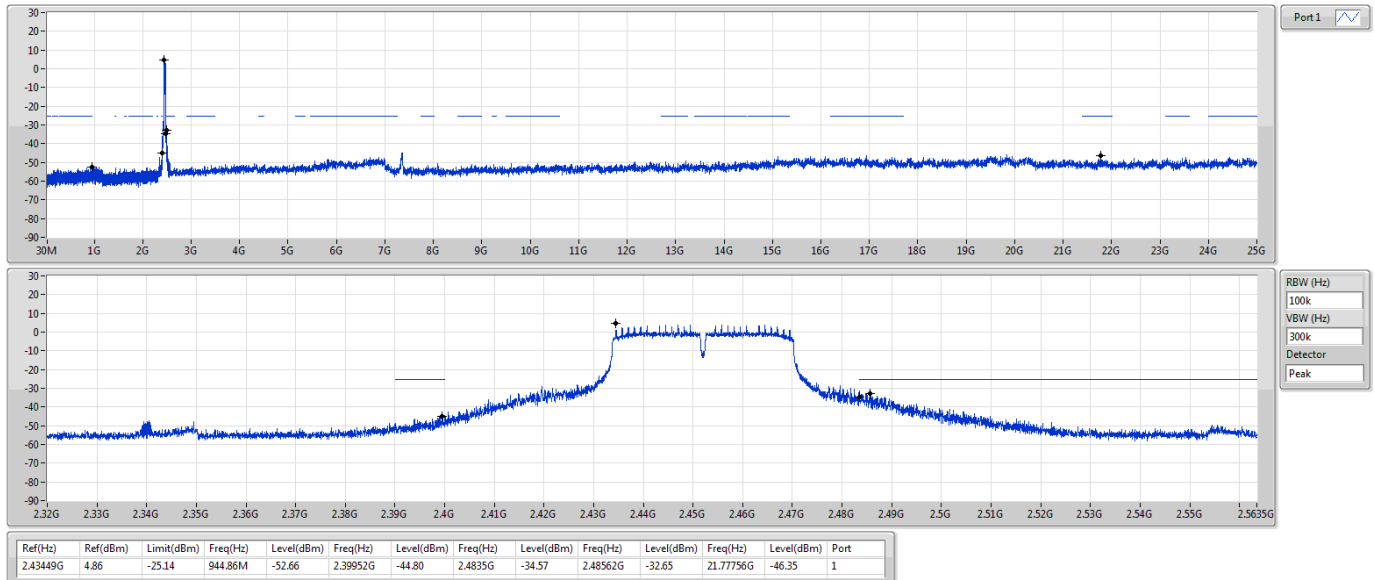
2437MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

2452MHz





Radiated Emissions below 1GHz

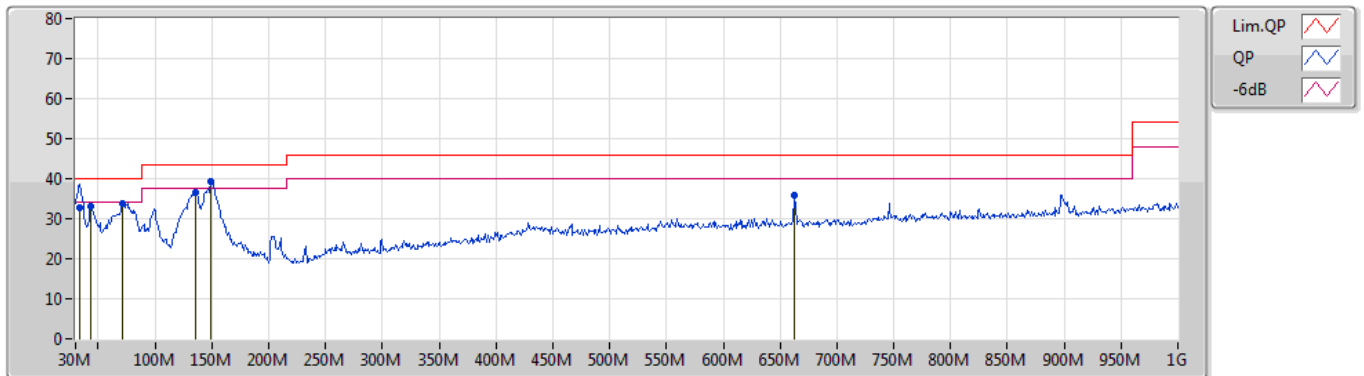
Appendix F.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	PK	149.31M	39.45	43.50	-4.05	Vertical

Mode 4

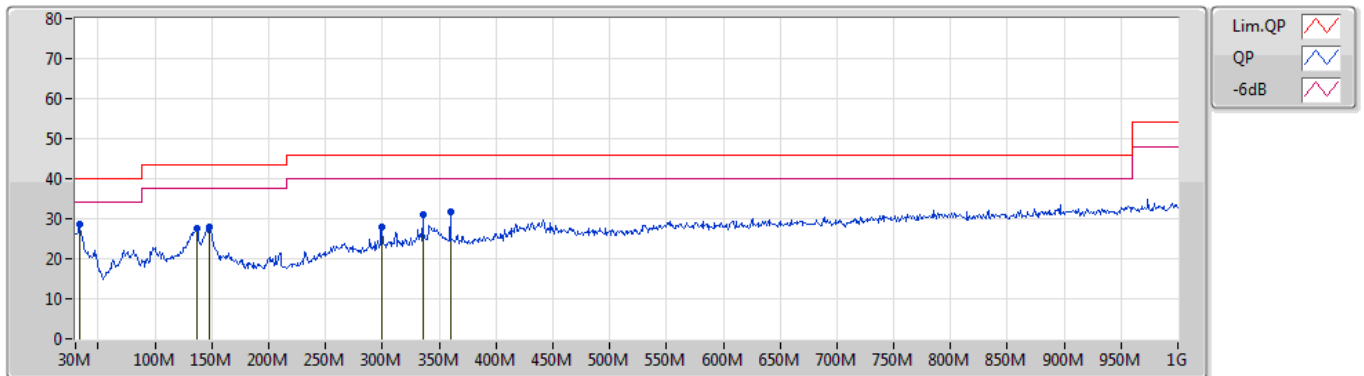
08/04/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	33.88M	32.62	40.00	-7.38	-8.91	3	Vertical	170	1.00	-	41.53	22.11	0.48	31.50
PK	43.58M	33.07	40.00	-6.93	-14.11	3	Vertical	352	1.25	-	47.18	16.75	0.60	31.46
PK	70.74M	33.80	40.00	-6.20	-18.68	3	Vertical	144	1.00	-	52.48	12.29	0.81	31.78
PK	135.73M	36.57	43.50	-6.93	-13.39	3	Vertical	177	1.00	-	49.96	17.26	1.30	31.95
PK	149.31M	39.45	43.50	-4.05	-14.30	3	Vertical	137	1.00	"Worst"	53.75	16.21	1.35	31.86
PK	662.44M	35.78	46.00	-10.22	-4.63	3	Vertical	140	1.00	-	40.41	24.52	3.35	32.50

Mode 4

08/04/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	33.88M	28.69	40.00	-11.31	-8.91	3	Horizontal	306	2.00	"Worst"	37.60	22.11	0.48	31.50
PK	136.7M	27.57	43.50	-15.93	-13.46	3	Horizontal	216	3.00	-	41.03	17.21	1.30	31.97
PK	147.37M	27.79	43.50	-15.71	-14.17	3	Horizontal	321	3.00	-	41.96	16.38	1.34	31.89
PK	299.66M	27.91	46.00	-18.09	-10.87	3	Horizontal	360	1.25	-	38.78	18.95	2.20	32.02
PK	335.55M	30.88	46.00	-15.12	-9.94	3	Horizontal	171	1.25	-	40.82	19.73	2.34	32.01
PK	359.8M	31.87	46.00	-14.13	-8.94	3	Horizontal	184	1.25	-	40.81	20.65	2.44	32.03



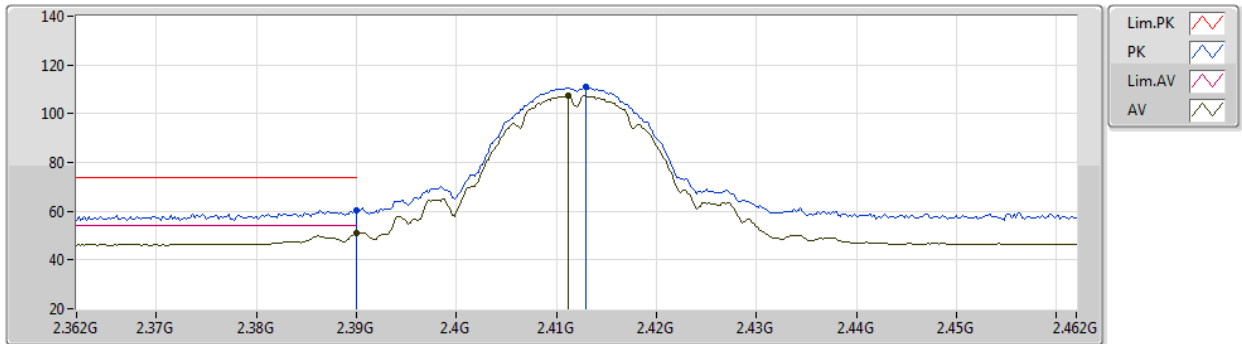
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.4848G	53.97	54.00	-0.03	3	Vertical	10	1.22	-

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2412MHz_TX



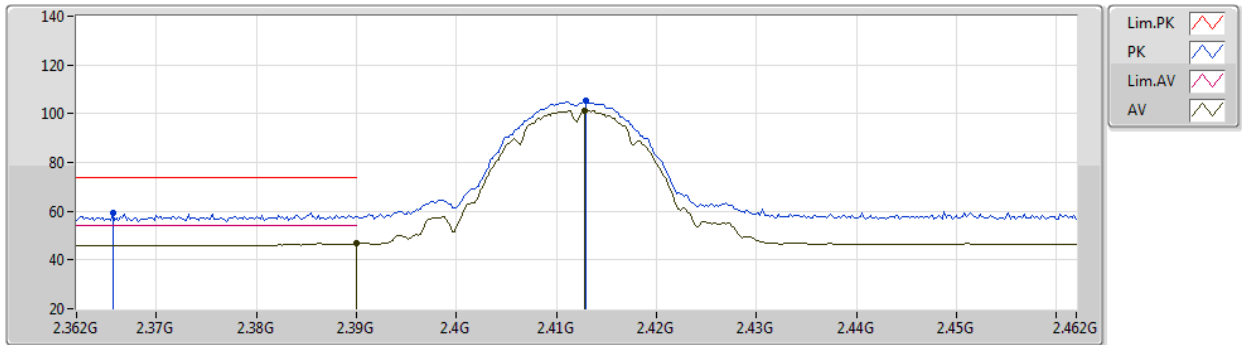
EUT_Z_1TX
Setting 21
02-B-K-4

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	60.35	74.00	-13.65	29.64	3	Vertical	21	1.10	-	28.30	2.41	-
AV	2.39G	50.93	54.00	-3.07	20.22	3	Vertical	21	1.10	-	28.30	2.41	-
PK	2.413G	110.98	Inf	-Inf	80.24	3	Vertical	21	1.10	-	28.33	2.41	-
AV	2.4112G	107.21	Inf	-Inf	76.48	3	Vertical	21	1.10	-	28.32	2.41	-

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2412MHz_TX



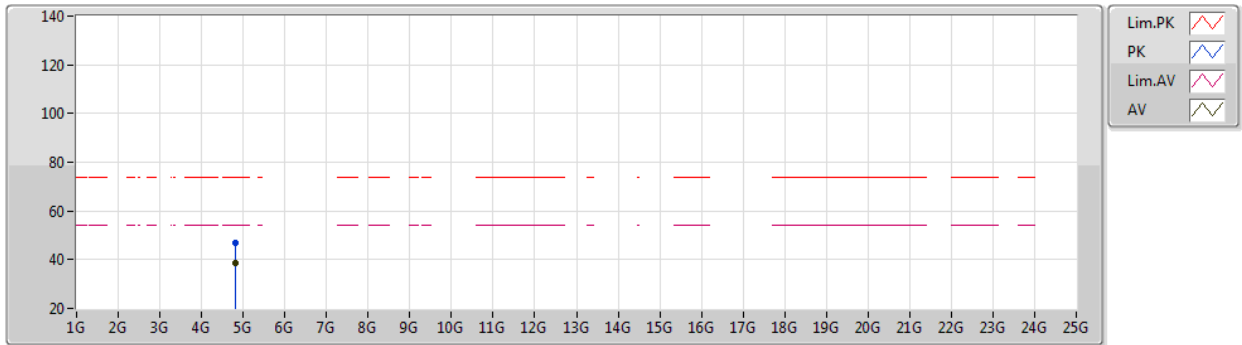
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Setting 21
02-B-K-4

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	59.18	74.00	-14.82	28.46	3	Horizontal	93	1.82	-	28.30	2.42	-
AV	2.39G	46.85	54.00	-7.15	16.14	3	Horizontal	93	1.82	-	28.30	2.41	-
PK	2.413G	105.09	Inf	-Inf	74.35	3	Horizontal	93	1.82	-	28.33	2.41	-
AV	2.4128G	101.29	Inf	-Inf	70.55	3	Horizontal	93	1.82	-	28.33	2.41	-

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2412MHz_TX



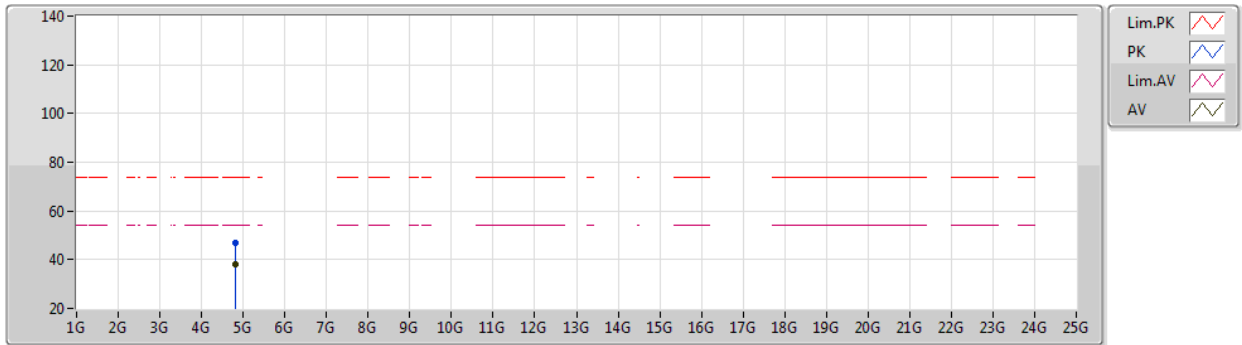
EUT V_1TX
Setting 21
02-B-K-4

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	4.82384G	46.65	74.00	-27.35	40.83	3	Vertical	276	2.70	-	32.90	4.70	31.78
AV	4.82399G	38.60	54.00	-15.40	32.78	3	Vertical	276	2.70	-	32.90	4.70	31.78

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2412MHz_TX



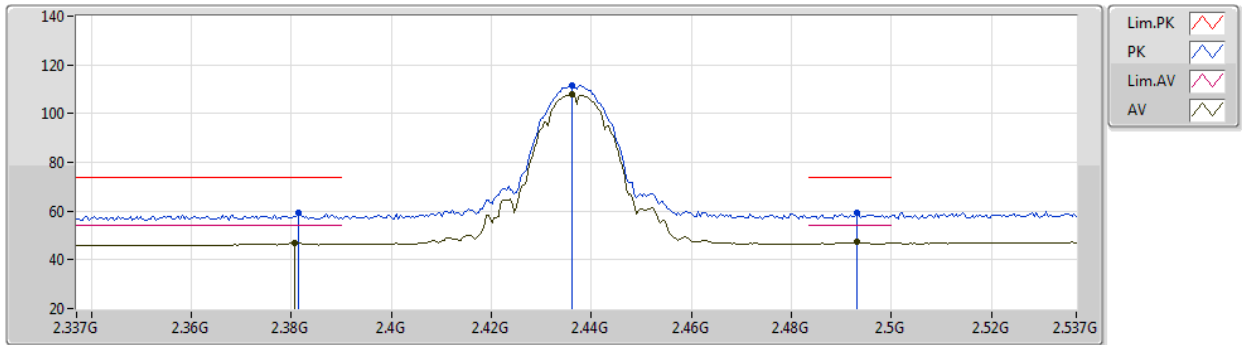
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Setting 21
02-B-K-4

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	46.89	74.00	-27.11	41.07	3	Horizontal	171	1.85	-	32.90	4.70	31.78
AV	4.82399G	38.32	54.00	-15.68	32.50	3	Horizontal	171	1.85	-	32.90	4.70	31.78

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2437MHz_TX



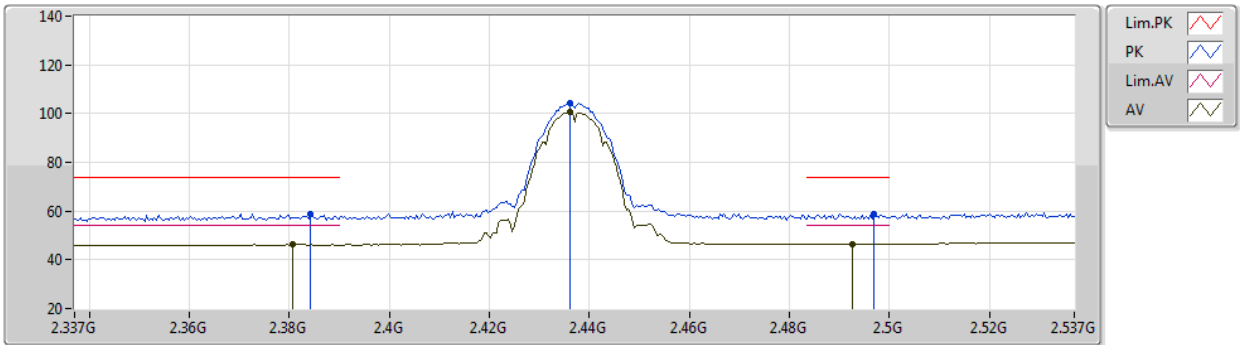
EUT Z_1TX
Setting 21
02-B-K-4

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	59.14	74.00	-14.86	28.43	3	Vertical	21	1.00	-	28.30	2.41	-
AV	2.3806G	46.88	54.00	-7.12	16.17	3	Vertical	21	1.00	-	28.30	2.41	-
PK	2.4362G	111.59	Inf	-Inf	80.80	3	Vertical	21	1.00	-	28.37	2.42	-
AV	2.4362G	107.96	Inf	-Inf	77.17	3	Vertical	21	1.00	-	28.37	2.42	-
PK	2.493G	59.37	74.00	-14.63	28.35	3	Vertical	21	1.00	-	28.57	2.45	-
AV	2.493G	47.20	54.00	-6.80	16.18	3	Vertical	21	1.00	-	28.57	2.45	-

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2437MHz_TX



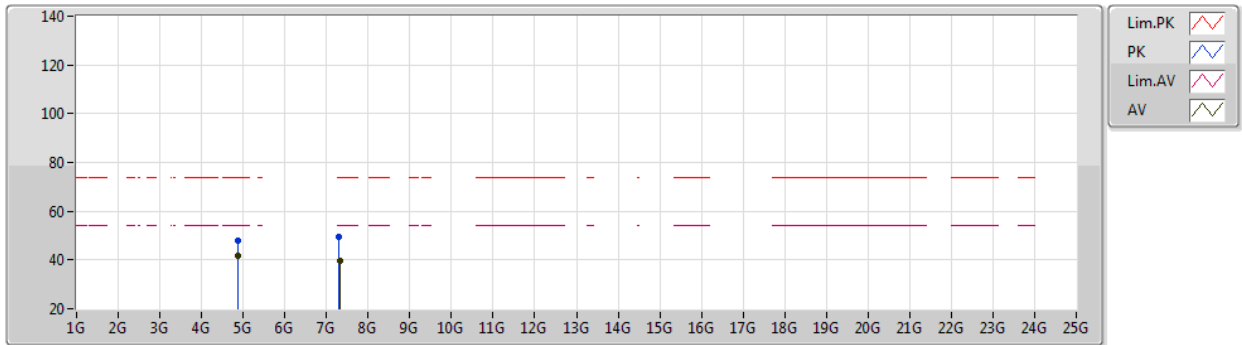
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Setting 21
02-B-K-4

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	2.3842G	58.97	74.00	-15.03	28.26	3	Horizontal	94	2.50	-	28.30	2.41	-
AV	2.3806G	46.43	54.00	-7.57	15.72	3	Horizontal	94	2.50	-	28.30	2.41	-
PK	2.4362G	104.26	Inf	-Inf	73.47	3	Horizontal	94	2.50	-	28.37	2.42	-
AV	2.4362G	100.63	Inf	-Inf	69.84	3	Horizontal	94	2.50	-	28.37	2.42	-
PK	2.497G	58.93	74.00	-15.07	27.89	3	Horizontal	94	2.50	-	28.59	2.45	-
AV	2.4926G	46.53	54.00	-7.47	15.51	3	Horizontal	94	2.50	-	28.57	2.45	-

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2437MHz_TX



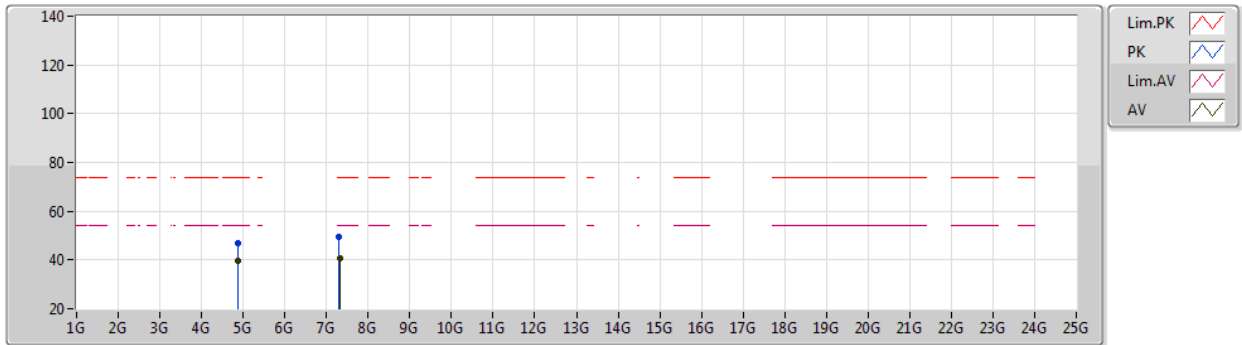
EUT Y_1TX
Setting 21
02-B-K-4

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	4.8739G	47.75	74.00	-26.25	41.74	3	Vertical	216	1.99	-	33.10	4.70	31.79
AV	4.87394G	41.48	54.00	-12.52	35.47	3	Vertical	216	1.99	-	33.10	4.70	31.79
PK	7.3102G	49.56	74.00	-24.44	39.80	3	Vertical	28	1.79	-	36.42	5.76	32.42
AV	7.3103G	39.55	54.00	-14.45	29.79	3	Vertical	28	1.79	-	36.42	5.76	32.42

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2437MHz_TX



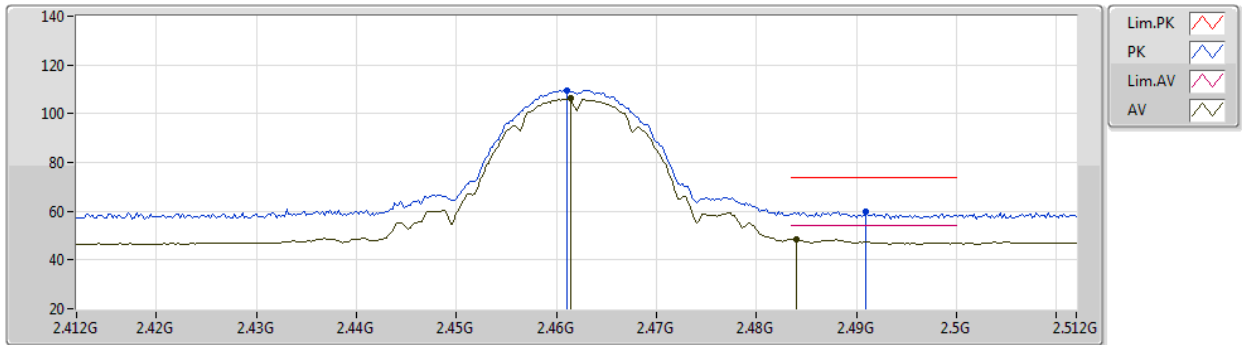
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Setting 21
02-B-K-4

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	4.87405G	47.12	74.00	-26.88	41.11	3	Horizontal	160	2.37	-	33.10	4.70	31.79
AV	4.87399G	39.82	54.00	-14.18	33.81	3	Horizontal	160	2.37	-	33.10	4.70	31.79
PK	7.30956G	49.50	74.00	-24.50	39.75	3	Horizontal	67	2.59	-	36.42	5.75	32.42
AV	7.31174G	40.56	54.00	-13.44	30.80	3	Horizontal	67	2.59	-	36.42	5.76	32.42

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2462MHz_TX



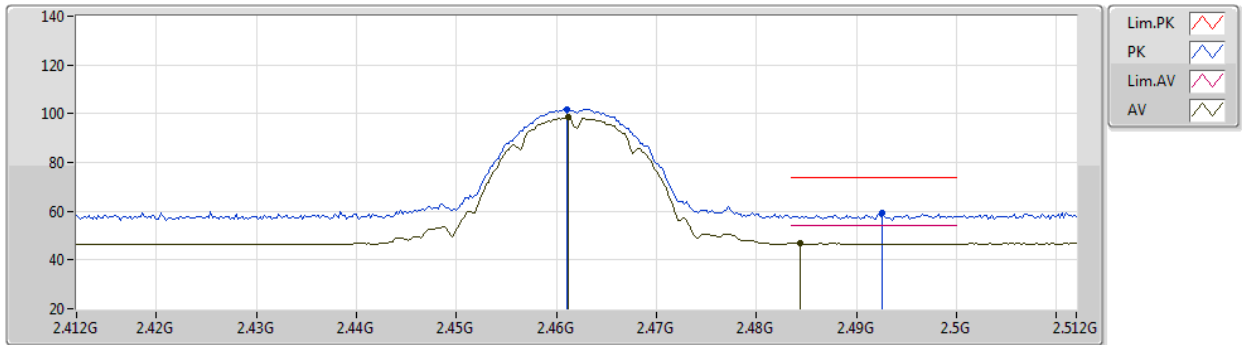
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Setting 21
02-B-K-4

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	109.74	Inf	-Inf	78.87	3	Vertical	23	1.07	-	28.44	2.43	-
AV	2.4614G	106.13	Inf	-Inf	75.25	3	Vertical	23	1.07	-	28.45	2.43	-
PK	2.491G	60.01	74.00	-13.99	29.00	3	Vertical	23	1.07	-	28.56	2.45	-
AV	2.484G	48.45	54.00	-5.55	17.47	3	Vertical	23	1.07	-	28.54	2.44	-

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2462MHz_TX



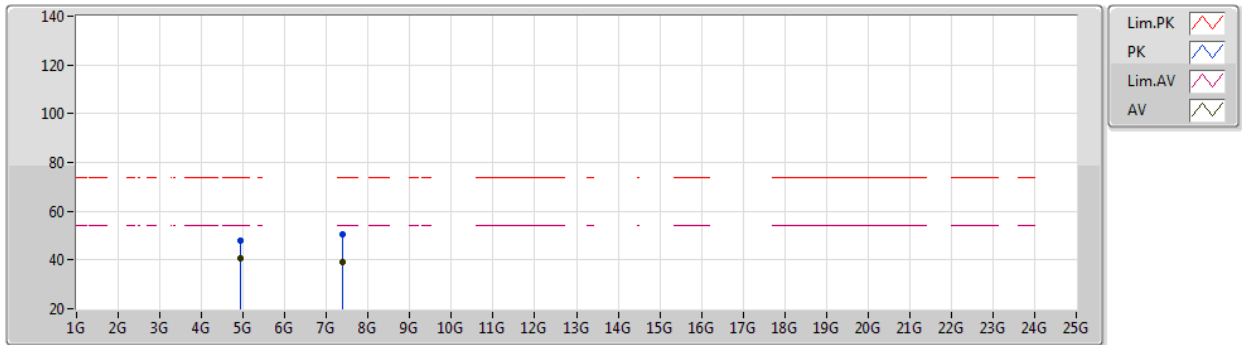
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Setting 21
02-B-K-4

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	101.98	Inf	-Inf	71.11	3	Horizontal	103	1.81	-	28.44	2.43	-
AV	2.4612G	98.39	Inf	-Inf	67.52	3	Horizontal	103	1.81	-	28.44	2.43	-
PK	2.4926G	59.22	74.00	-14.78	28.20	3	Horizontal	103	1.81	-	28.57	2.45	-
AV	2.4844G	46.73	54.00	-7.27	15.75	3	Horizontal	103	1.81	-	28.54	2.44	-

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2462MHz_TX



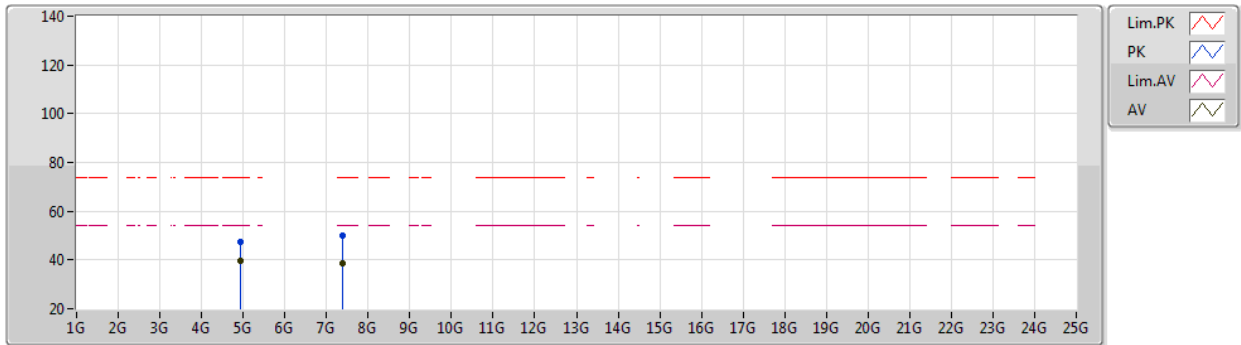
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Setting 21
02-B-K-4

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	4.9241G	47.81	74.00	-26.19	41.72	3	Vertical	241	1.81	-	33.20	4.70	31.81
AV	4.92398G	40.64	54.00	-13.36	34.55	3	Vertical	241	1.81	-	33.20	4.70	31.81
PK	7.3856G	50.48	74.00	-23.52	40.71	3	Vertical	11	1.88	-	36.43	5.79	32.45
AV	7.38528G	38.93	54.00	-15.07	29.16	3	Vertical	11	1.88	-	36.43	5.79	32.45

802.11b_Nss1,(1Mbps)_1TX

29/01/2021

2462MHz_TX



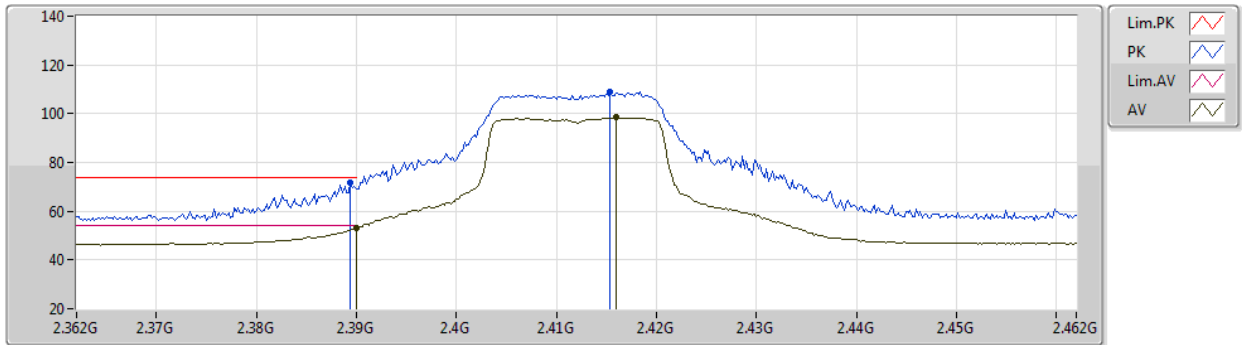
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Setting 21
02-B-K-4

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	4.92417G	47.46	74.00	-26.54	41.37	3	Horizontal	106	2.25	-	33.20	4.70	31.81
AV	4.92396G	39.64	54.00	-14.36	33.55	3	Horizontal	106	2.25	-	33.20	4.70	31.81
PK	7.3858G	50.05	74.00	-23.95	40.28	3	Horizontal	221	1.83	-	36.43	5.79	32.45
AV	7.3868G	38.62	54.00	-15.38	28.85	3	Horizontal	221	1.83	-	36.43	5.79	32.45

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2412MHz_TX



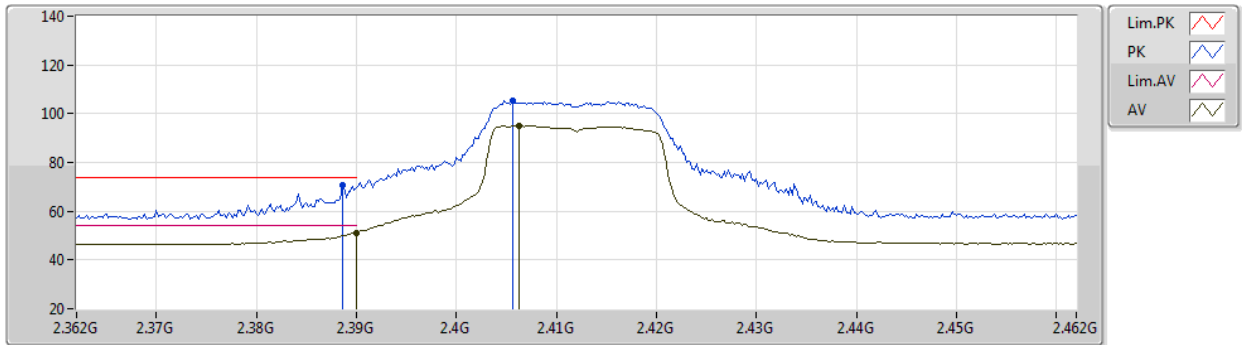
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Setting 17
02-B-K-4

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	71.97	74.00	-2.03	41.26	3	Vertical	10	1.28	-	28.30	2.41	-
AV	2.39G	53.34	54.00	-0.66	22.63	3	Vertical	10	1.28	-	28.30	2.41	-
PK	2.4154G	109.17	Inf	-Inf	78.43	3	Vertical	10	1.28	-	28.33	2.41	-
AV	2.416G	98.40	Inf	-Inf	67.66	3	Vertical	10	1.28	-	28.33	2.41	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2412MHz_TX



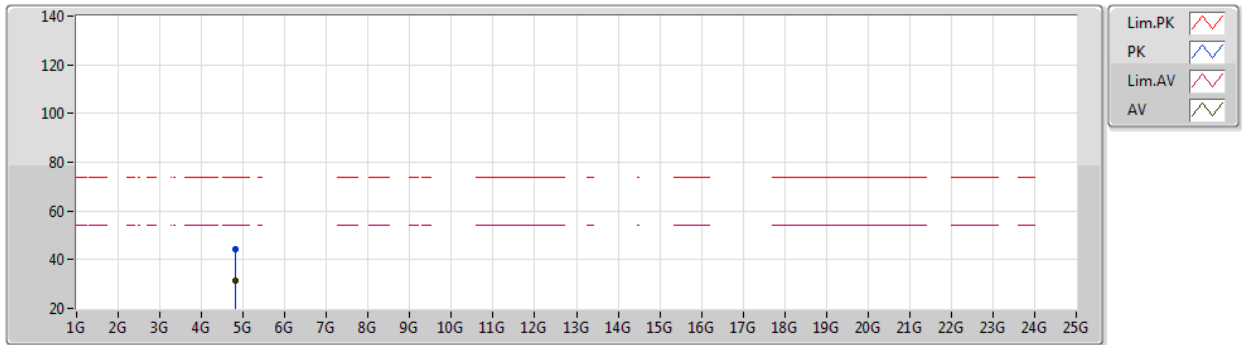
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Setting 17
02-B-K-4

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	70.79	74.00	-3.21	40.08	3	Horizontal	82	2.90	-	28.30	2.41	-
AV	2.39G	51.09	54.00	-2.91	20.38	3	Horizontal	82	2.90	-	28.30	2.41	-
PK	2.4056G	105.57	Inf	-Inf	74.86	3	Horizontal	82	2.90	-	28.31	2.40	-
AV	2.4062G	95.16	Inf	-Inf	64.45	3	Horizontal	82	2.90	-	28.31	2.40	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2412MHz_TX



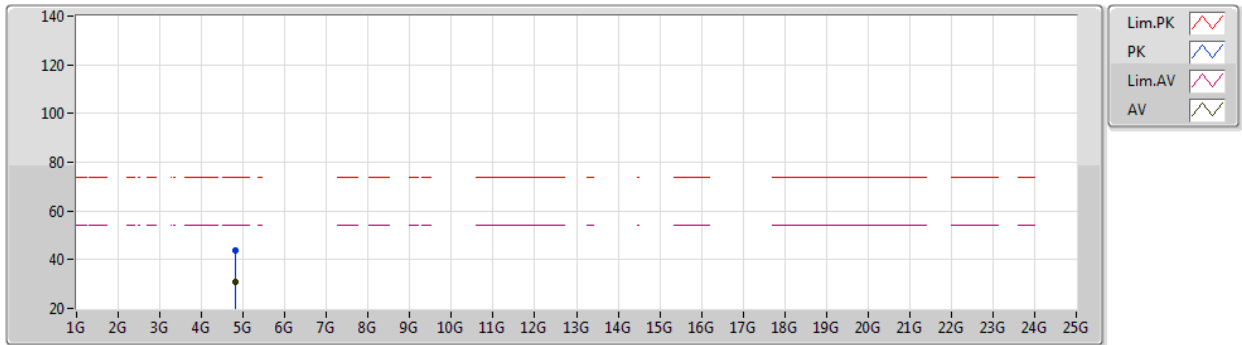
EUT V_1TX
Setting 17
02-B-K-4

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	4.8196G	44.07	74.00	-29.93	38.27	3	Vertical	145	1.86	-	32.88	4.70	31.78
AV	4.82422G	31.44	54.00	-22.56	25.62	3	Vertical	145	1.86	-	32.90	4.70	31.78

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2412MHz_TX



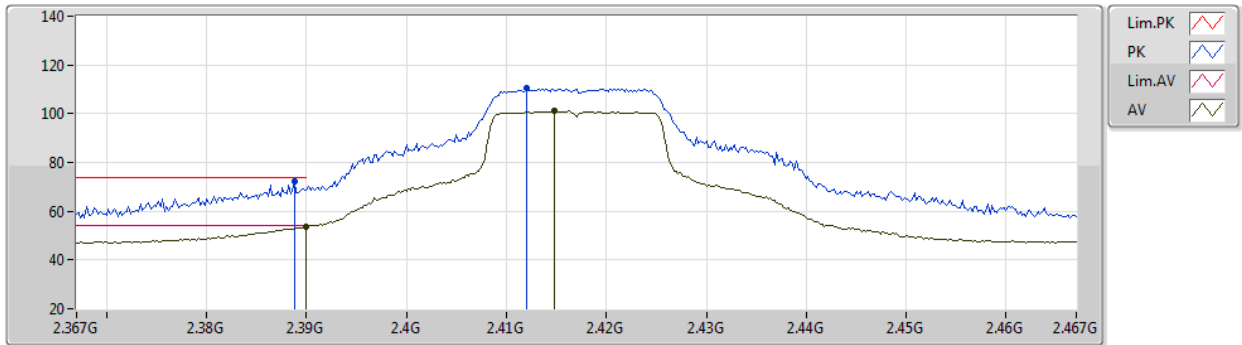
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Setting 17
02-B-K-4

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	4.82304G	43.89	74.00	-30.11	38.08	3	Horizontal	309	2.46	-	32.89	4.70	31.78
AV	4.82804G	31.00	54.00	-23.00	25.17	3	Horizontal	309	2.46	-	32.91	4.70	31.78

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2417MHz_TX



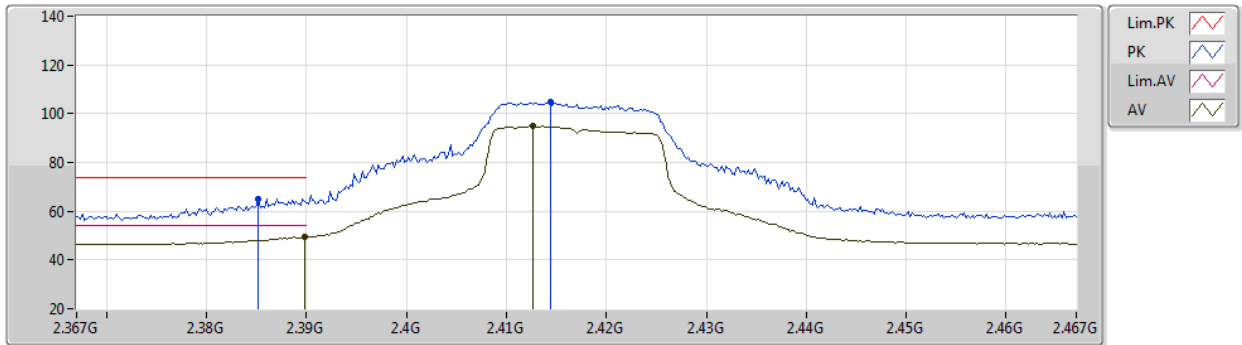
EUT Z_1TX
Setting 19
02-B-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3888G	72.15	74.00	-1.85	41.44	3	Vertical	12	1.25	-	28.30	2.41	-
AV	2.39G	53.86	54.00	-0.14	23.15	3	Vertical	12	1.25	-	28.30	2.41	-
PK	2.412G	110.38	Inf	-Inf	79.65	3	Vertical	12	1.25	-	28.32	2.41	-
AV	2.4148G	100.99	Inf	-Inf	70.25	3	Vertical	12	1.25	-	28.33	2.41	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2417MHz_TX



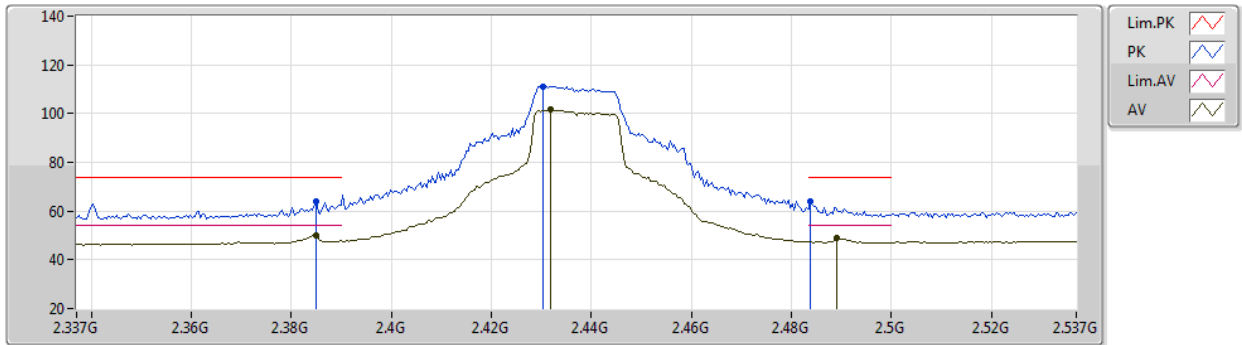
EUT Z_1TX
Setting 19
02-B-K-4

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	2.3852G	65.13	74.00	-8.87	34.42	3	Horizontal	78	1.85	-	28.30	2.41	-
AV	2.3898G	49.43	54.00	-4.57	18.72	3	Horizontal	78	1.85	-	28.30	2.41	-
PK	2.4144G	104.74	Inf	-Inf	74.00	3	Horizontal	78	1.85	-	28.33	2.41	-
AV	2.4126G	94.78	Inf	-Inf	64.04	3	Horizontal	78	1.85	-	28.33	2.41	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2437MHz_TX



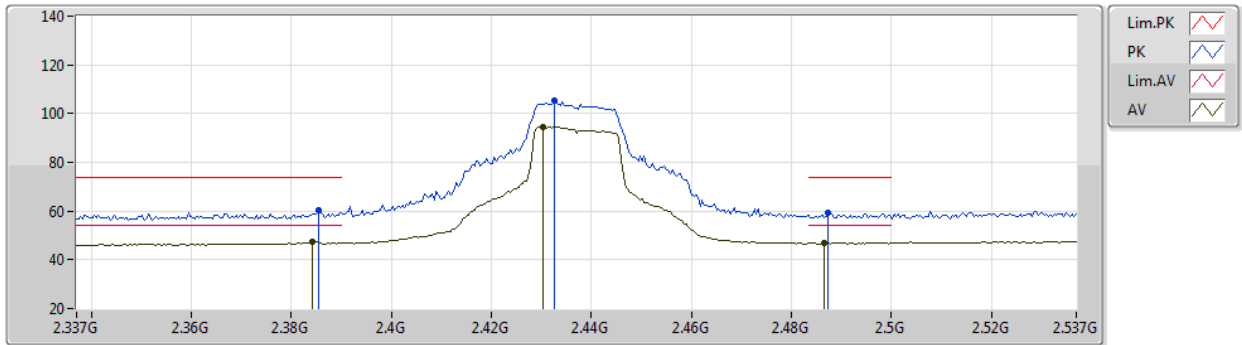
EUT Z_1TX
Setting 20
02-B-K-4

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	2.385G	64.02	74.00	-9.98	33.31	3	Vertical	13	1.26	-	28.30	2.41	-
AV	2.385G	50.00	54.00	-4.00	19.29	3	Vertical	13	1.26	-	28.30	2.41	-
PK	2.4302G	111.13	Inf	-Inf	80.35	3	Vertical	13	1.26	-	28.36	2.42	-
AV	2.4318G	101.57	Inf	-Inf	70.79	3	Vertical	13	1.26	-	28.36	2.42	-
PK	2.4838G	64.00	74.00	-10.00	33.02	3	Vertical	13	1.26	-	28.54	2.44	-
AV	2.489G	48.86	54.00	-5.14	17.86	3	Vertical	13	1.26	-	28.56	2.44	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2437MHz_TX



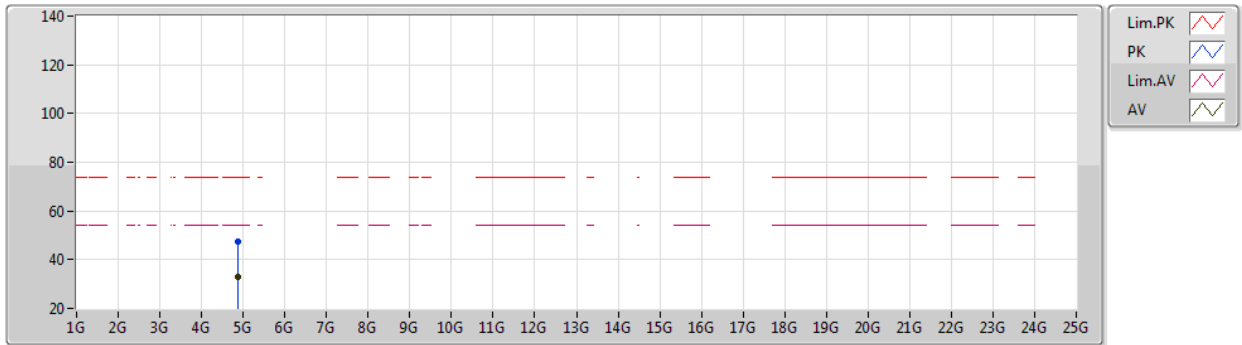
EUT Z_1TX
Setting 20
02-B-K-4

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	2.3854G	60.24	74.00	-13.76	29.53	3	Horizontal	82	2.08	-	28.30	2.41	-
AV	2.3842G	47.48	54.00	-6.52	16.77	3	Horizontal	82	2.08	-	28.30	2.41	-
PK	2.4326G	105.33	Inf	-Inf	74.54	3	Horizontal	82	2.08	-	28.37	2.42	-
AV	2.4302G	94.71	Inf	-Inf	63.93	3	Horizontal	82	2.08	-	28.36	2.42	-
PK	2.4874G	59.22	74.00	-14.78	28.23	3	Horizontal	82	2.08	-	28.55	2.44	-
AV	2.4866G	46.88	54.00	-7.12	15.89	3	Horizontal	82	2.08	-	28.55	2.44	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2437MHz_TX



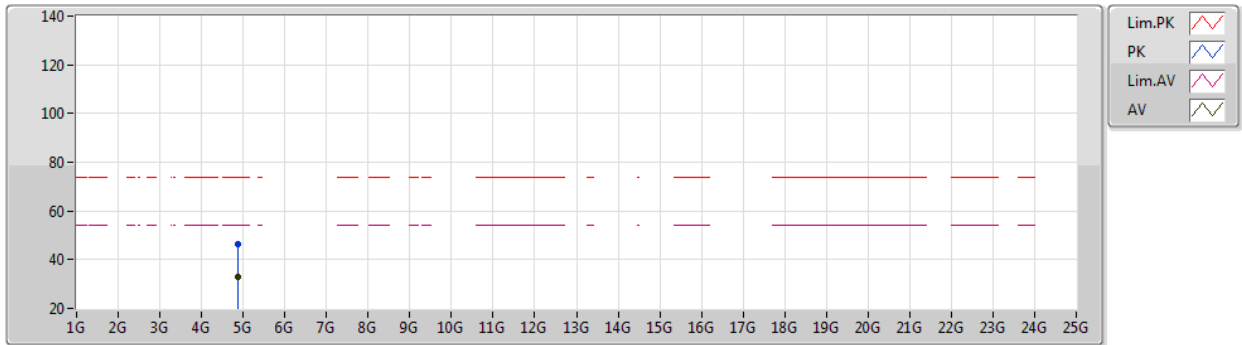
EUT V_1TX
Setting 20
02-B-K-4

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	4.87398G	47.56	74.00	-26.44	41.55	3	Vertical	129	2.66	-	33.10	4.70	31.79
AV	4.87418G	33.04	54.00	-20.96	27.03	3	Vertical	129	2.66	-	33.10	4.70	31.79

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2437MHz_TX



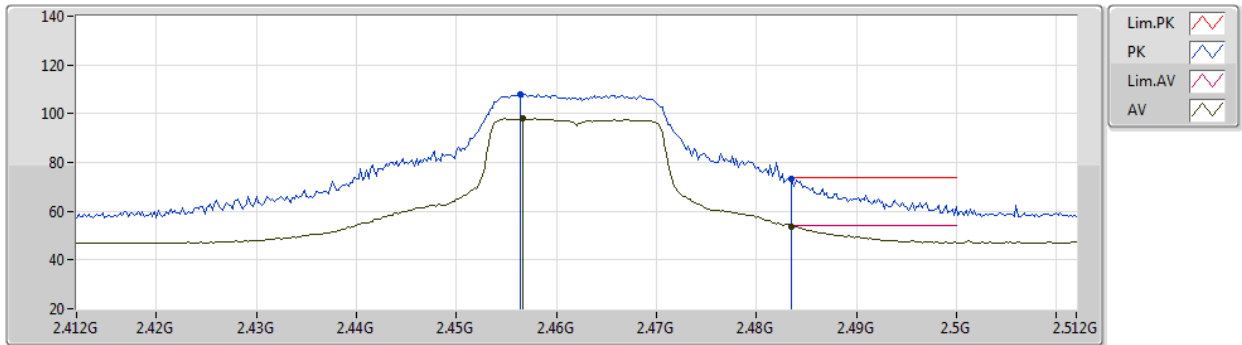
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Setting 20
02-B-K-4

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	4.8787G	46.44	74.00	-27.56	40.43	3	Horizontal	162	2.10	-	33.11	4.70	31.80
AV	4.8739G	33.00	54.00	-21.00	26.99	3	Horizontal	162	2.10	-	33.10	4.70	31.79

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2462MHz_TX



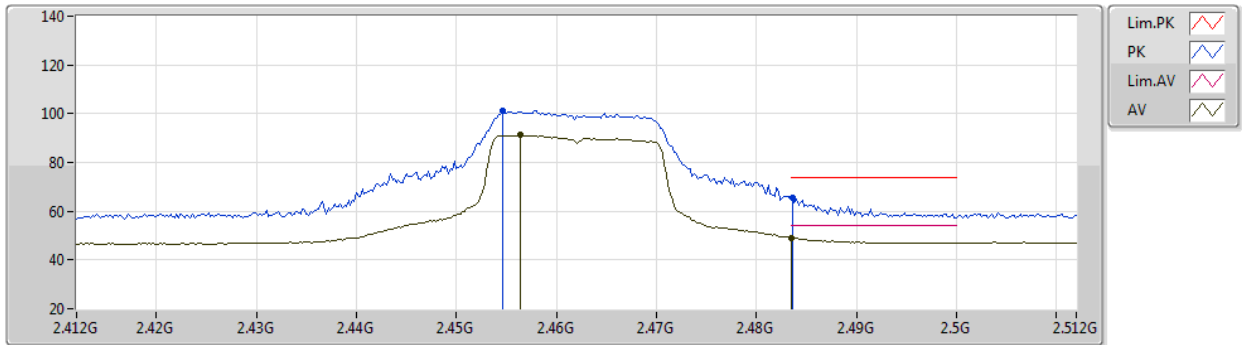
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Setting 18
02-B-K-4

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	2.4564G	107.87	Inf	-Inf	77.01	3	Vertical	0	1.23	-	28.43	2.43	-
AV	2.4566G	97.97	Inf	-Inf	67.11	3	Vertical	0	1.23	-	28.43	2.43	-
PK	2.4835G	73.44	74.00	-0.56	42.47	3	Vertical	0	1.23	-	28.53	2.44	-
AV	2.4835G	53.70	54.00	-0.30	22.73	3	Vertical	0	1.23	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2462MHz_TX



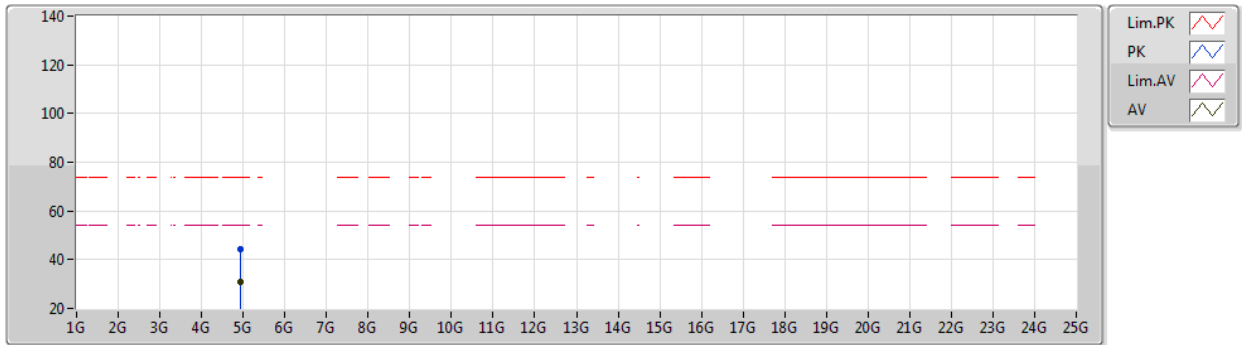
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Setting 18
02-B-K-4

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	2.4546G	101.18	Inf	-Inf	70.33	3	Horizontal	96	1.80	-	28.42	2.43	-
AV	2.4564G	91.17	Inf	-Inf	60.31	3	Horizontal	96	1.80	-	28.43	2.43	-
PK	2.4836G	65.69	74.00	-8.31	34.72	3	Horizontal	96	1.80	-	28.53	2.44	-
AV	2.4835G	49.13	54.00	-4.87	18.16	3	Horizontal	96	1.80	-	28.53	2.44	-

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2462MHz_TX



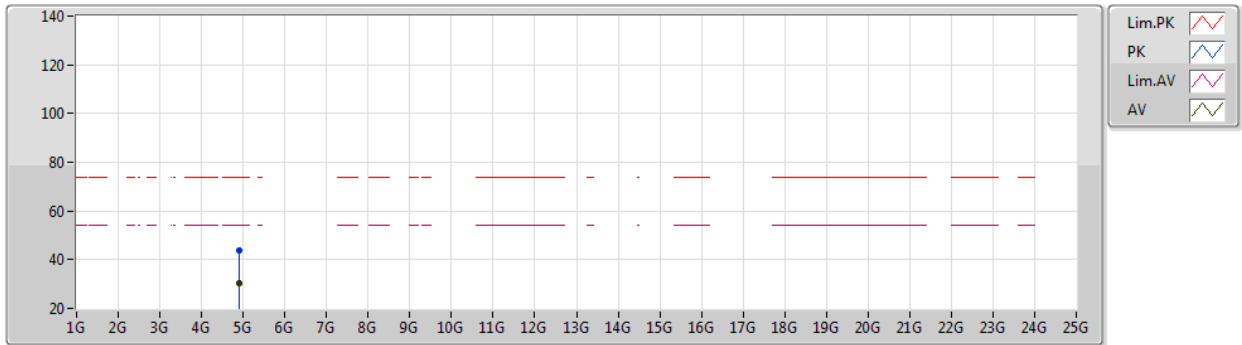
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Setting 18
02-B-K-4

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	4.9404G	44.10	74.00	-29.90	38.02	3	Vertical	351	1.76	-	33.20	4.70	31.82
AV	4.9278G	30.69	54.00	-23.31	24.60	3	Vertical	351	1.76	-	33.20	4.70	31.81

802.11g_Nss1,(6Mbps)_1TX

29/01/2021

2462MHz_TX



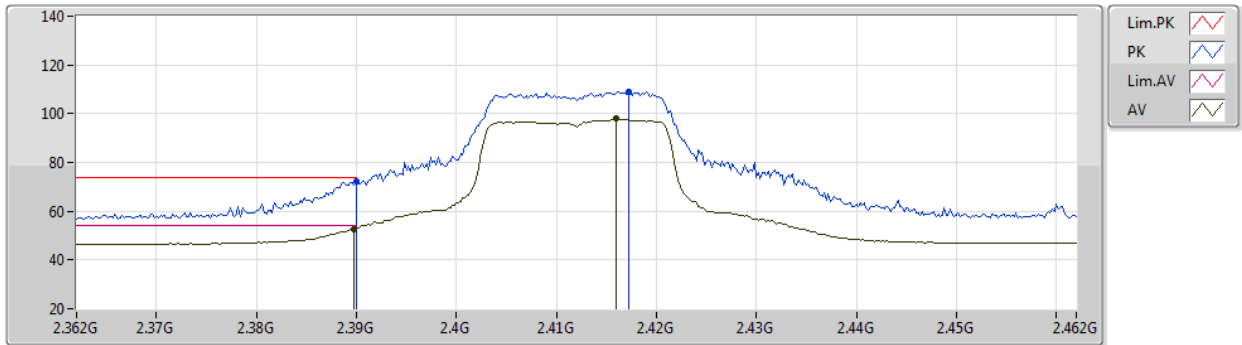
EUT V_1TX
Setting 18
02-B-K-4

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	4.9007G	43.93	74.00	-30.07	37.83	3	Horizontal	307	1.81	-	33.20	4.70	31.80
AV	4.9G	30.54	54.00	-23.46	24.44	3	Horizontal	307	1.81	-	33.20	4.70	31.80

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2412MHz_TX



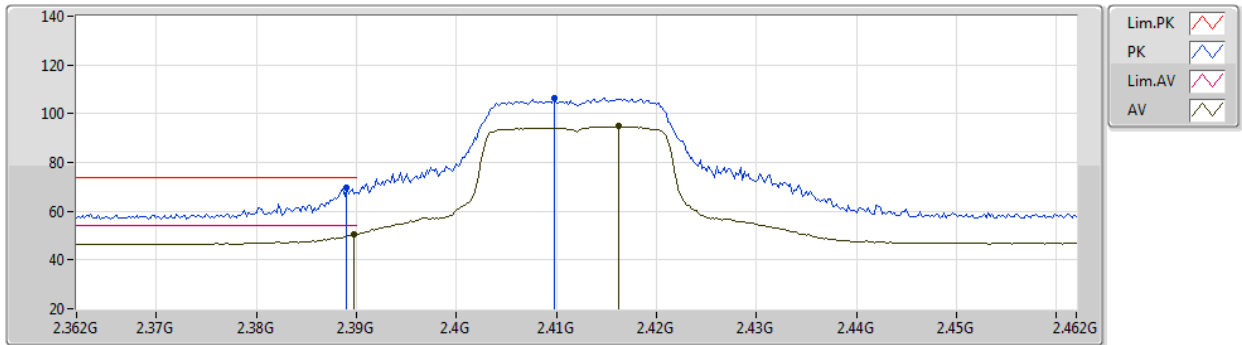
EUT Z_1TX
Setting 17
02-B-G-2

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	2.39G	72.11	74.00	-1.89	41.40	3	Vertical	352	1.39	-	28.30	2.41	-
AV	2.3898G	52.76	54.00	-1.24	22.05	3	Vertical	352	1.39	-	28.30	2.41	-
PK	2.4172G	109.05	Inf	-Inf	78.31	3	Vertical	352	1.39	-	28.33	2.41	-
AV	2.416G	97.86	Inf	-Inf	67.12	3	Vertical	352	1.39	-	28.33	2.41	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2412MHz_TX

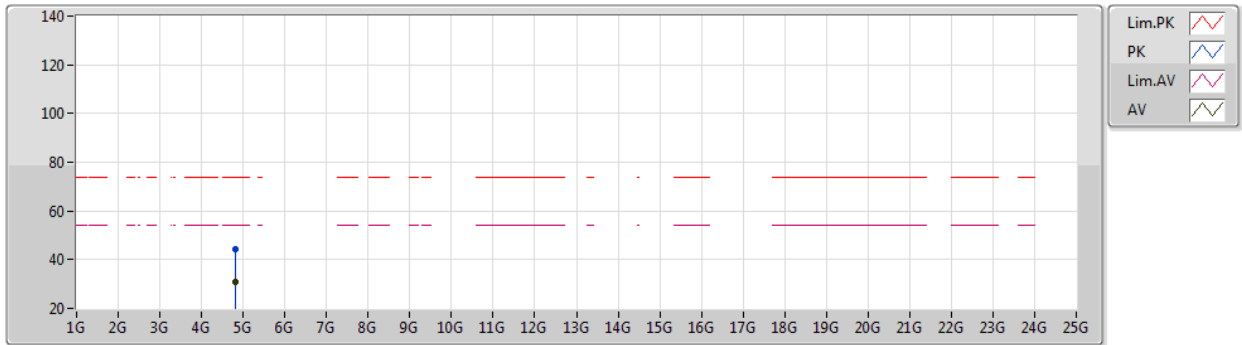

EUT Z_1TX
Setting 17
02-B-G-2

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	69.56	74.00	-4.44	38.85	3	Horizontal	47	2.85	-	28.30	2.41	-
AV	2.3898G	50.68	54.00	-3.32	19.97	3	Horizontal	47	2.85	-	28.30	2.41	-
PK	2.4098G	106.23	Inf	-Inf	75.51	3	Horizontal	47	2.85	-	28.32	2.40	-
AV	2.4162G	94.87	Inf	-Inf	64.13	3	Horizontal	47	2.85	-	28.33	2.41	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2412MHz_TX



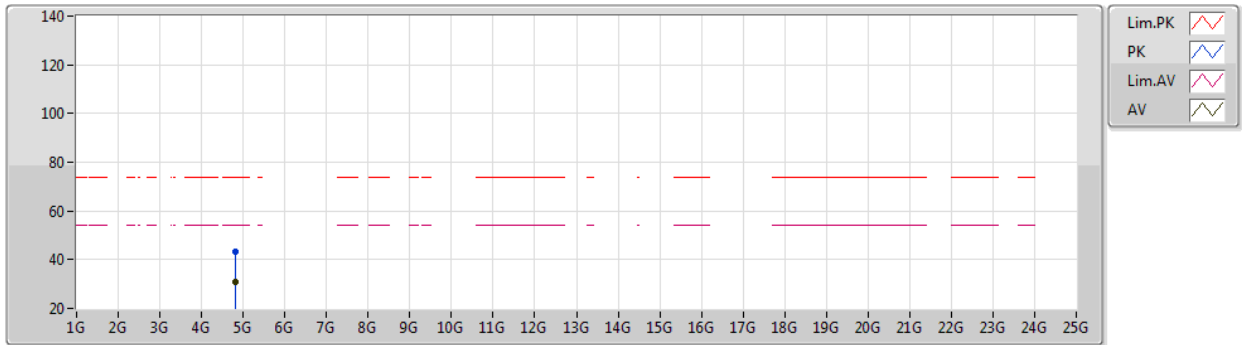
EUT V_1TX
Setting 17
02-B-G-2

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	4.8241G	44.19	74.00	-29.81	38.37	3	Vertical	28	1.20	-	32.90	4.70	31.78
AV	4.82499G	31.04	54.00	-22.96	25.22	3	Vertical	28	1.20	-	32.90	4.70	31.78

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2412MHz_TX



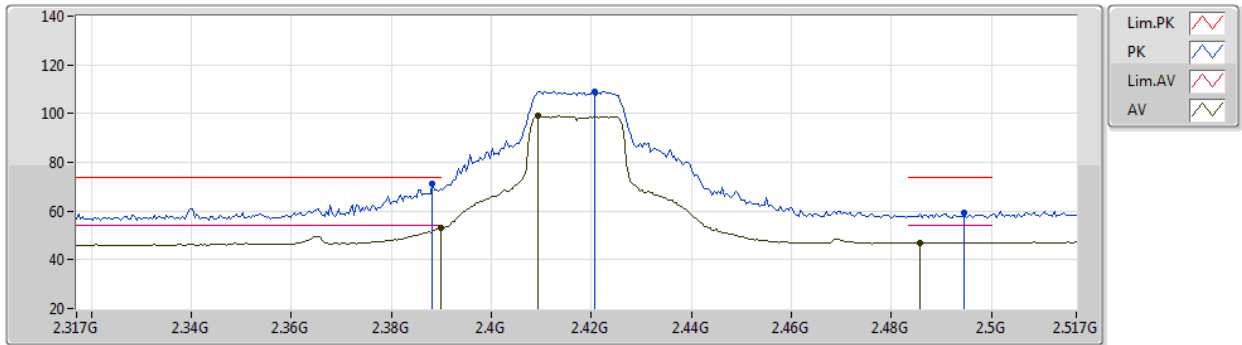
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Setting 17
02-B-G-2

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	4.82446G	43.25	74.00	-30.75	37.43	3	Horizontal	224	2.16	-	32.90	4.70	31.78
AV	4.8242G	31.05	54.00	-22.95	25.23	3	Horizontal	224	2.16	-	32.90	4.70	31.78

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2417MHz_TX



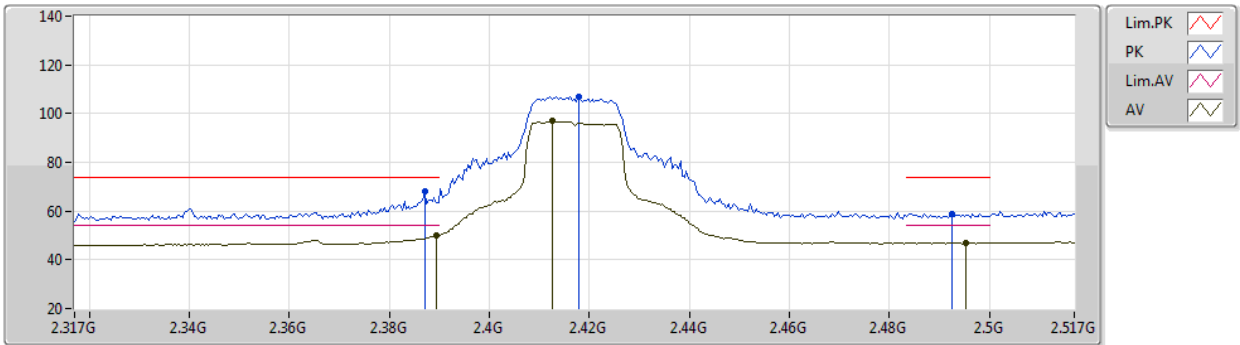
EUT Z_1TX
Setting 19
02-B-G-2

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	2.3882G	70.99	74.00	-3.01	40.28	3	Vertical	360	1.12	-	28.30	2.41	-
AV	2.3898G	53.14	54.00	-0.86	22.43	3	Vertical	360	1.12	-	28.30	2.41	-
PK	2.4206G	109.16	Inf	-Inf	78.41	3	Vertical	360	1.12	-	28.34	2.41	-
AV	2.4094G	98.98	Inf	-Inf	68.26	3	Vertical	360	1.12	-	28.32	2.40	-
PK	2.4946G	59.07	74.00	-14.93	28.04	3	Vertical	360	1.12	-	28.58	2.45	-
AV	2.4858G	47.07	54.00	-6.93	16.09	3	Vertical	360	1.12	-	28.54	2.44	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2417MHz_TX



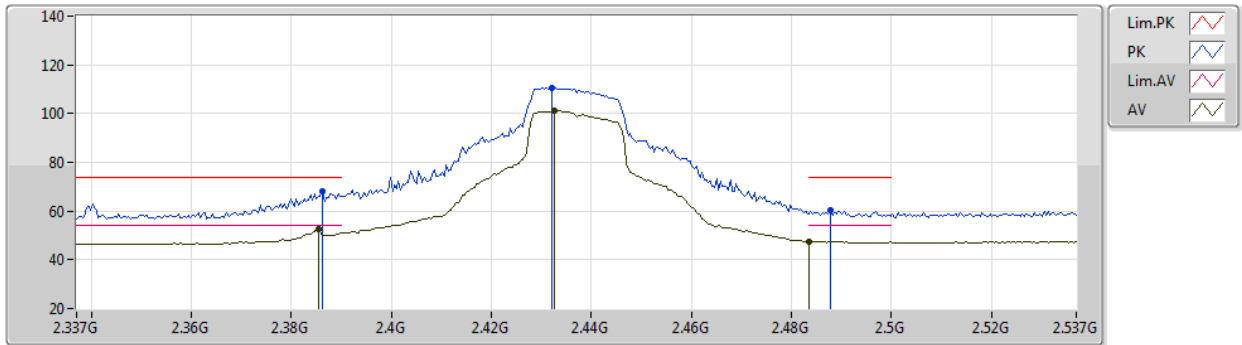
EUT Z_1TX
Setting 19
02-B-G-2

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	2.387G	68.21	74.00	-5.79	37.50	3	Horizontal	47	2.85	-	28.30	2.41	-
AV	2.3894G	49.81	54.00	-4.19	19.10	3	Horizontal	47	2.85	-	28.30	2.41	-
PK	2.4178G	107.03	Inf	-Inf	76.28	3	Horizontal	47	2.85	-	28.34	2.41	-
AV	2.4126G	96.94	Inf	-Inf	66.20	3	Horizontal	47	2.85	-	28.33	2.41	-
PK	2.4926G	58.79	74.00	-15.21	27.77	3	Horizontal	47	2.85	-	28.57	2.45	-
AV	2.4954G	47.03	54.00	-6.97	16.00	3	Horizontal	47	2.85	-	28.58	2.45	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



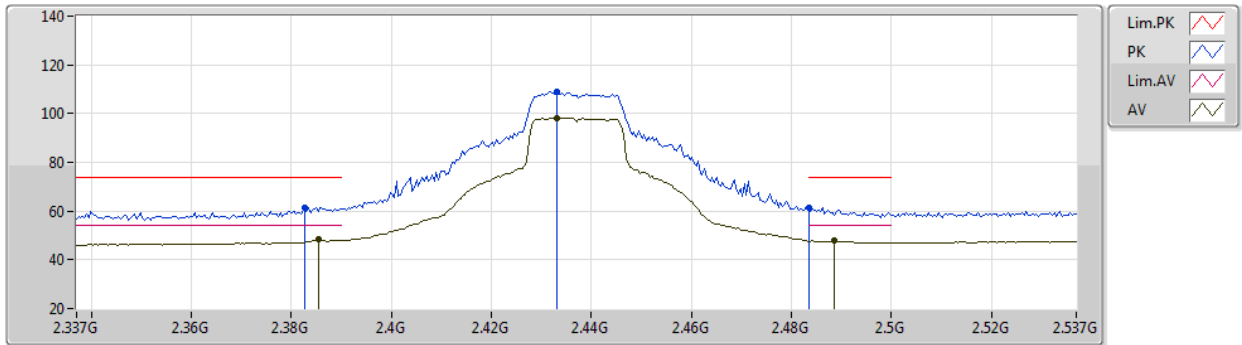
EUT Z_1TX
Setting 20
02-B-G-2

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	2.3862G	67.99	74.00	-6.01	37.28	3	Vertical	170	1.97	-	28.30	2.41	-
AV	2.3854G	52.41	54.00	-1.59	21.70	3	Vertical	170	1.97	-	28.30	2.41	-
PK	2.4322G	110.57	Inf	-Inf	79.79	3	Vertical	170	1.97	-	28.36	2.42	-
AV	2.4326G	101.03	Inf	-Inf	70.24	3	Vertical	170	1.97	-	28.37	2.42	-
PK	2.4878G	60.19	74.00	-13.81	29.20	3	Vertical	170	1.97	-	28.55	2.44	-
AV	2.4835G	47.46	54.00	-6.54	16.49	3	Vertical	170	1.97	-	28.53	2.44	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



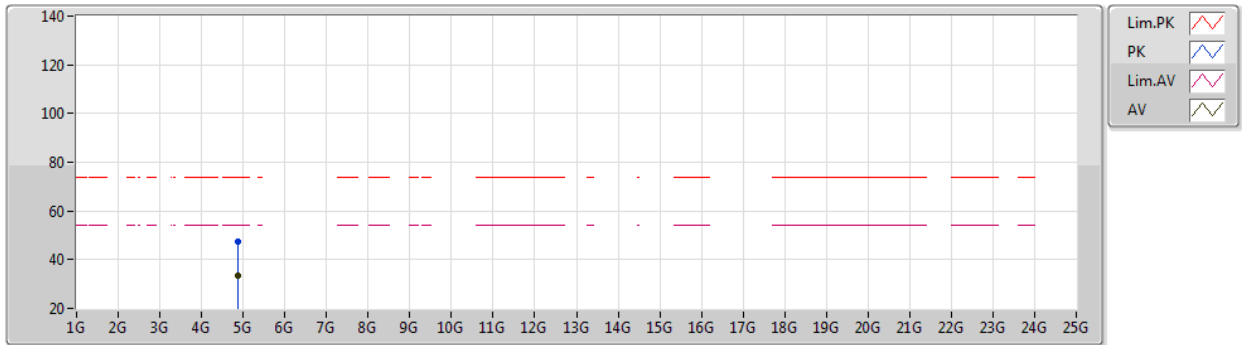
EUT Z_1TX
Setting 20
02-B-G-2

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	2.3826G	61.32	74.00	-12.68	30.61	3	Horizontal	49	2.80	-	28.30	2.41	-
AV	2.3854G	48.45	54.00	-5.55	17.74	3	Horizontal	49	2.80	-	28.30	2.41	-
PK	2.433G	108.75	Inf	-Inf	77.96	3	Horizontal	49	2.80	-	28.37	2.42	-
AV	2.433G	98.36	Inf	-Inf	67.57	3	Horizontal	49	2.80	-	28.37	2.42	-
PK	2.4835G	61.60	74.00	-12.40	30.63	3	Horizontal	49	2.80	-	28.53	2.44	-
AV	2.4886G	47.98	54.00	-6.02	16.99	3	Horizontal	49	2.80	-	28.55	2.44	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



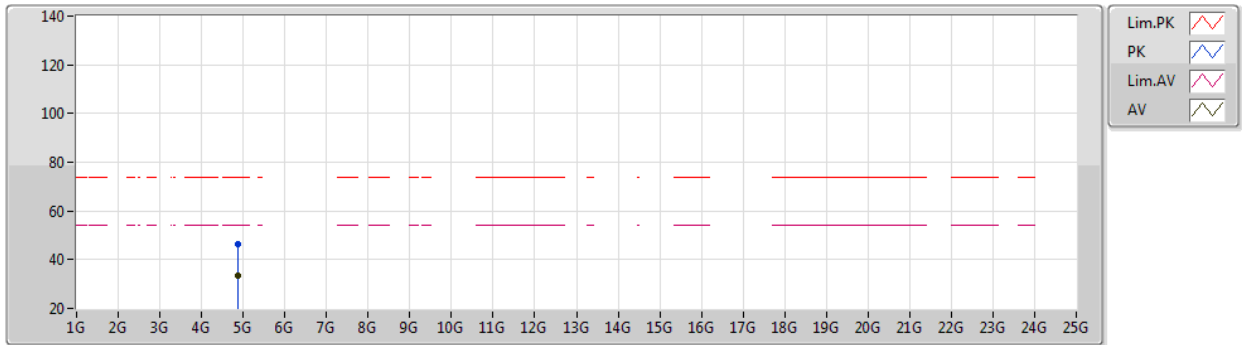
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Setting 20
02-B-G-2

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	4.87454G	47.29	74.00	-26.71	41.28	3	Vertical	74	2.77	-	33.10	4.70	31.79
AV	4.87384G	33.19	54.00	-20.81	27.18	3	Vertical	74	2.77	-	33.10	4.70	31.79

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



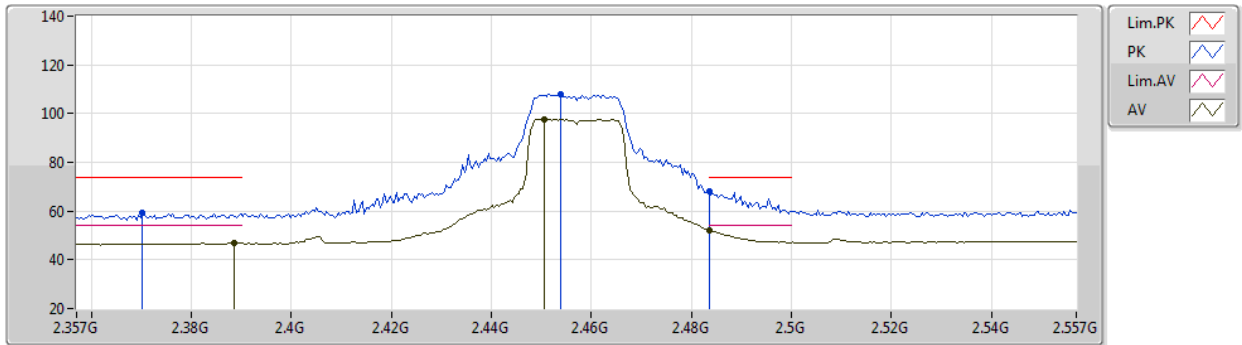
EUT V_1TX
Setting 20
02-B-G-2

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	4.87488G	46.37	74.00	-27.63	40.36	3	Horizontal	287	2.60	-	33.10	4.70	31.79
AV	4.87392G	33.20	54.00	-20.80	27.19	3	Horizontal	287	2.60	-	33.10	4.70	31.79

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2457MHz_TX



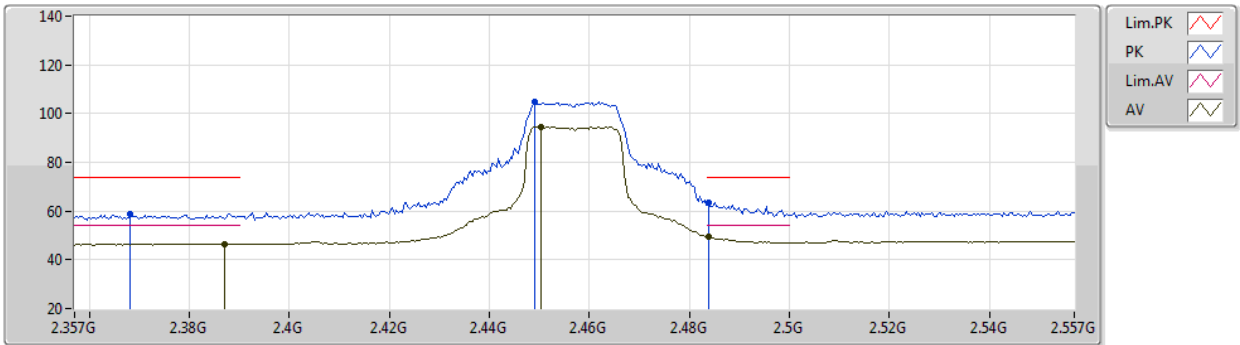
EUT Z_1TX
Setting 18
02-B-G-2

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	2.3702G	59.22	74.00	-14.78	28.51	3	Vertical	15	1.41	-	28.30	2.41	-
AV	2.3886G	46.76	54.00	-7.24	16.05	3	Vertical	15	1.41	-	28.30	2.41	-
PK	2.4538G	107.80	Inf	-Inf	76.95	3	Vertical	15	1.41	-	28.42	2.43	-
AV	2.4506G	97.66	Inf	-Inf	66.83	3	Vertical	15	1.41	-	28.40	2.43	-
PK	2.4835G	67.87	74.00	-6.13	36.90	3	Vertical	15	1.41	-	28.53	2.44	-
AV	2.4835G	52.31	54.00	-1.69	21.34	3	Vertical	15	1.41	-	28.53	2.44	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2457MHz_TX



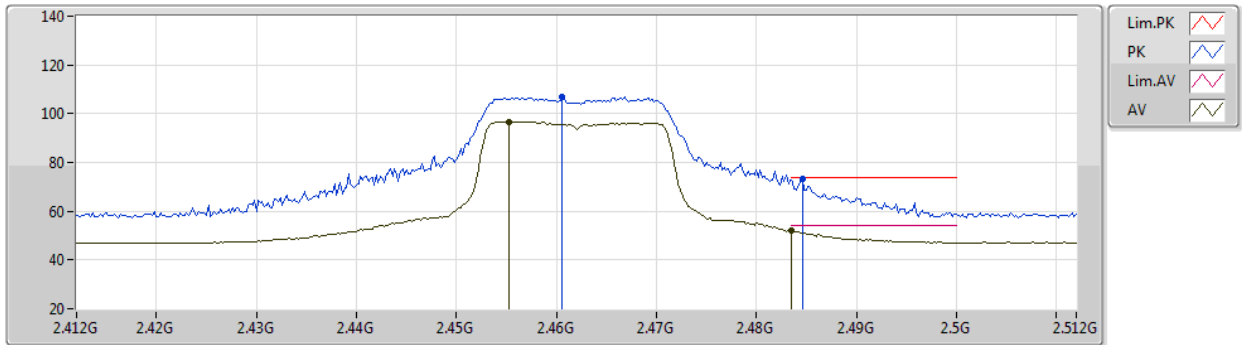
EUT Z_1TX
Setting 18
02-B-G-2

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	2.3682G	59.05	74.00	-14.95	28.33	3	Horizontal	49	2.74	-	28.30	2.42	-
AV	2.387G	46.52	54.00	-7.48	15.81	3	Horizontal	49	2.74	-	28.30	2.41	-
PK	2.449G	104.84	Inf	-Inf	74.02	3	Horizontal	49	2.74	-	28.40	2.42	-
AV	2.4502G	94.65	Inf	-Inf	63.82	3	Horizontal	49	2.74	-	28.40	2.43	-
PK	2.4838G	63.67	74.00	-10.33	32.69	3	Horizontal	49	2.74	-	28.54	2.44	-
AV	2.4838G	49.39	54.00	-4.61	18.41	3	Horizontal	49	2.74	-	28.54	2.44	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2462MHz_TX



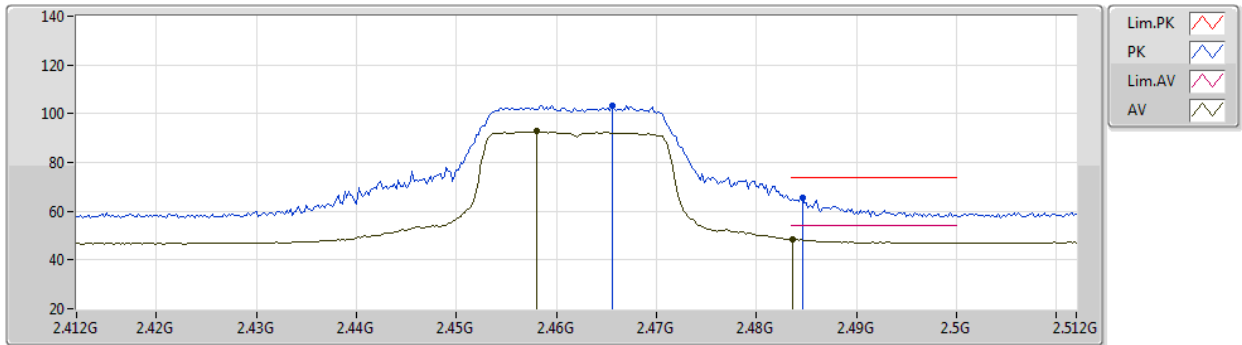
EUT Z_1TX
Setting 16
02-B-G-2

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	2.4606G	107.08	Inf	-Inf	76.21	3	Vertical	348	1.00	-	28.44	2.43	-
AV	2.4552G	96.67	Inf	-Inf	65.82	3	Vertical	348	1.00	-	28.42	2.43	-
PK	2.4846G	73.09	74.00	-0.91	42.11	3	Vertical	348	1.00	-	28.54	2.44	-
AV	2.4835G	51.96	54.00	-2.04	20.99	3	Vertical	348	1.00	-	28.53	2.44	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2462MHz_TX



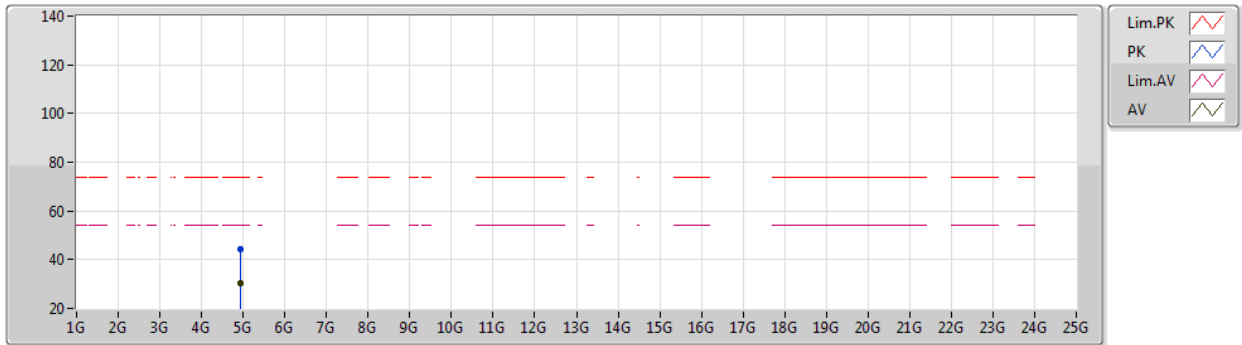
EUT Z_1TX
Setting 16
02-B-G-2

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	2.4656G	103.33	Inf	-Inf	72.44	3	Horizontal	49	2.75	-	28.46	2.43	-
AV	2.458G	92.75	Inf	-Inf	61.89	3	Horizontal	49	2.75	-	28.43	2.43	-
PK	2.4846G	65.68	74.00	-8.32	34.70	3	Horizontal	49	2.75	-	28.54	2.44	-
AV	2.4836G	48.61	54.00	-5.39	17.64	3	Horizontal	49	2.75	-	28.53	2.44	-

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2462MHz_TX



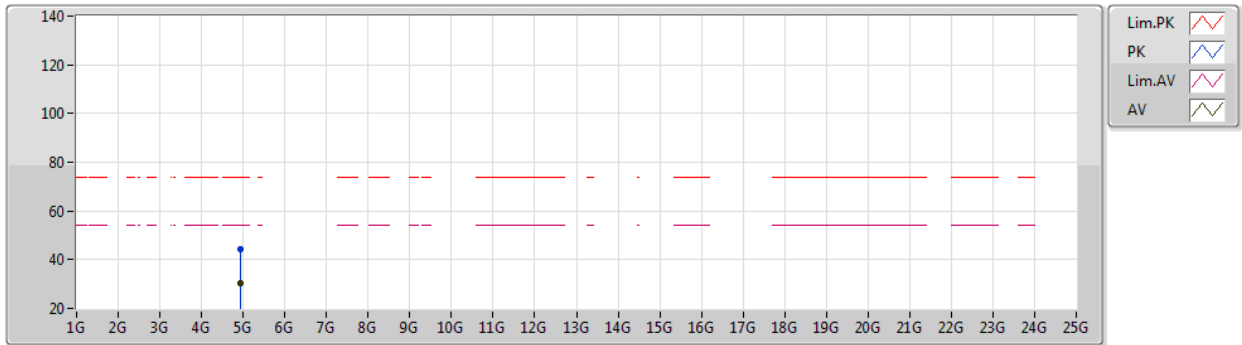
EUT V_1TX
Setting 16
02-B-G-2

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	4.9248G	44.51	74.00	-29.49	38.42	3	Vertical	90	1.96	-	33.20	4.70	31.81
AV	4.92478G	30.38	54.00	-23.62	24.29	3	Vertical	90	1.96	-	33.20	4.70	31.81

802.11n HT20_Nss1,(MCS0)_1TX

29/01/2021

2462MHz_TX



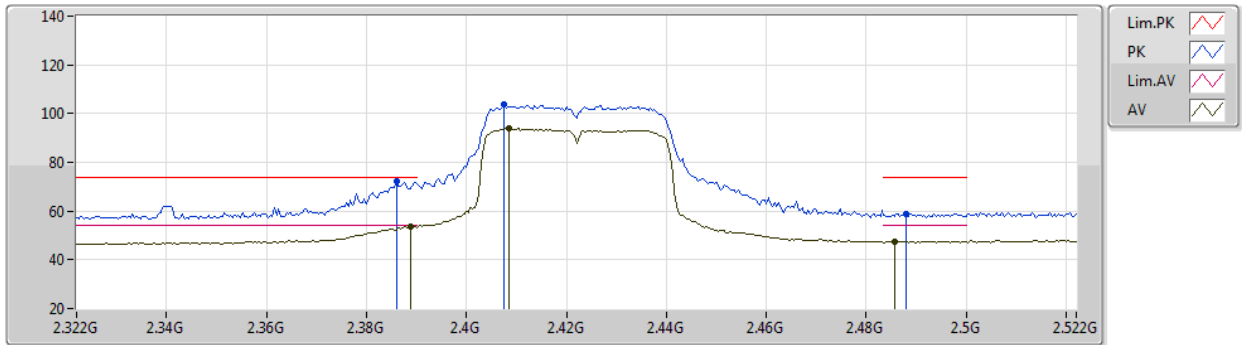
EUT V_1TX
Setting 16
02-B-G-2

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	4.92337G	44.50	74.00	-29.50	38.41	3	Horizontal	292	1.42	-	33.20	4.70	31.81
AV	4.92401G	30.34	54.00	-23.66	24.25	3	Horizontal	292	1.42	-	33.20	4.70	31.81

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2422MHz_TX



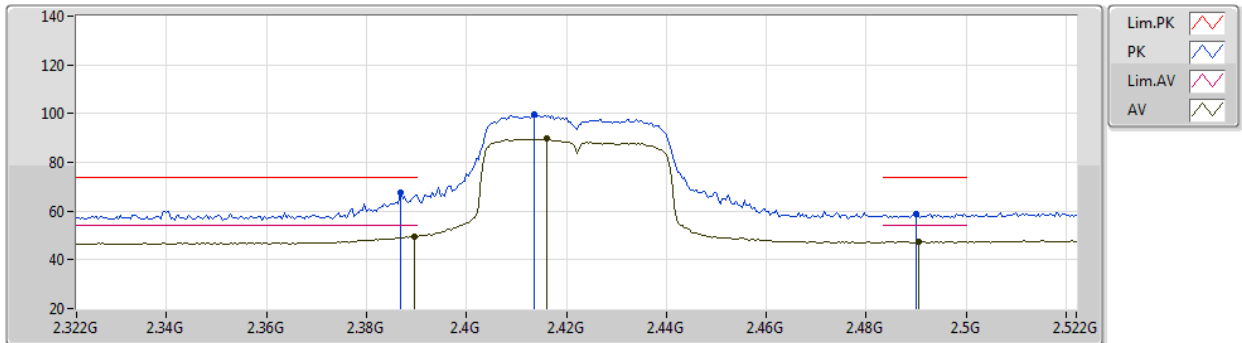
EUT Z_1TX
Setting 17
02-B-G-2

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	2.386G	72.43	74.00	-1.57	41.72	3	Vertical	357	1.13	-	28.30	2.41	-
AV	2.3888G	53.59	54.00	-0.41	22.88	3	Vertical	357	1.13	-	28.30	2.41	-
PK	2.4076G	104.01	Inf	-Inf	73.29	3	Vertical	357	1.13	-	28.32	2.40	-
AV	2.4084G	93.81	Inf	-Inf	63.09	3	Vertical	357	1.13	-	28.32	2.40	-
PK	2.488G	58.93	74.00	-15.07	27.94	3	Vertical	357	1.13	-	28.55	2.44	-
AV	2.4856G	47.47	54.00	-6.53	16.49	3	Vertical	357	1.13	-	28.54	2.44	-

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2422MHz_TX

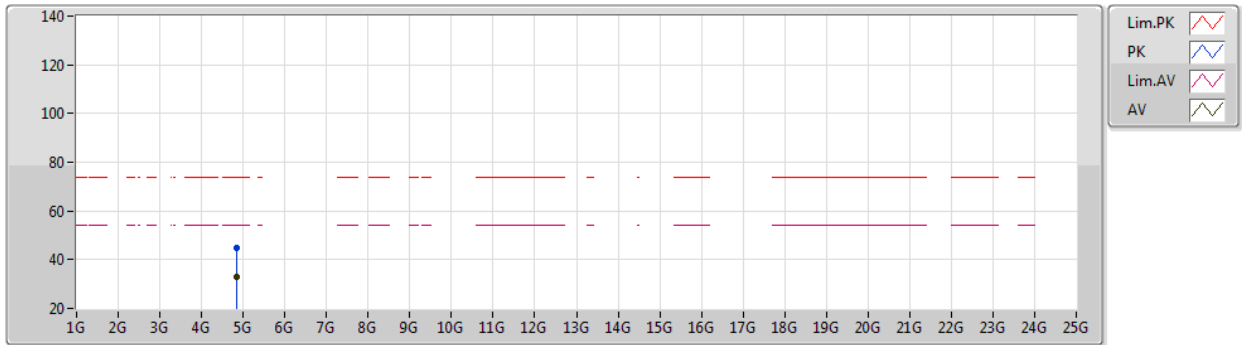

EUT Z_1TX
Setting 17
02-B-G-2

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	2.3868G	67.50	74.00	-6.50	36.79	3	Horizontal	42	2.86	-	28.30	2.41	-
AV	2.3896G	49.69	54.00	-4.31	18.98	3	Horizontal	42	2.86	-	28.30	2.41	-
PK	2.4136G	99.49	Inf	-Inf	68.75	3	Horizontal	42	2.86	-	28.33	2.41	-
AV	2.416G	89.59	Inf	-Inf	58.85	3	Horizontal	42	2.86	-	28.33	2.41	-
PK	2.49G	58.76	74.00	-15.24	27.76	3	Horizontal	42	2.86	-	28.56	2.44	-
AV	2.4904G	47.53	54.00	-6.47	16.52	3	Horizontal	42	2.86	-	28.56	2.45	-

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2422MHz_TX



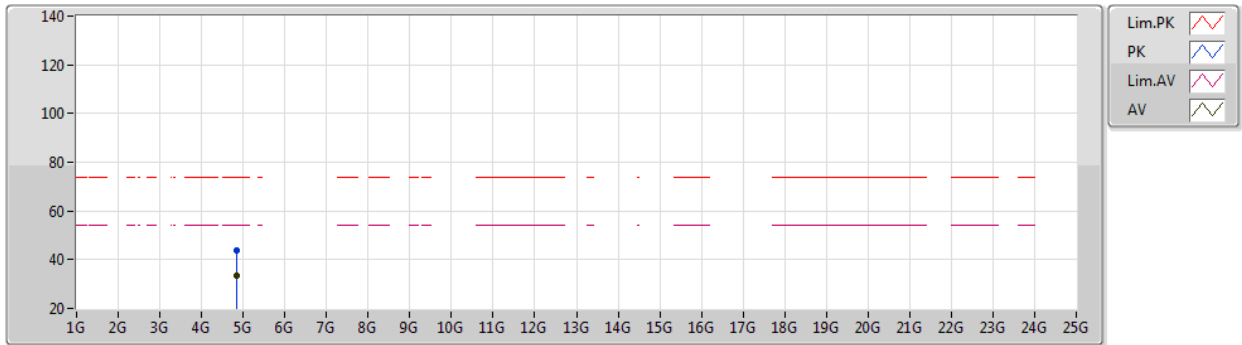
EUT V_1TX
Setting 17
02-B-G-2

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	4.84449G	44.57	74.00	-29.43	38.67	3	Vertical	176	2.67	-	32.98	4.70	31.78
AV	4.84472G	32.80	54.00	-21.20	26.90	3	Vertical	176	2.67	-	32.98	4.70	31.78

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2422MHz_TX



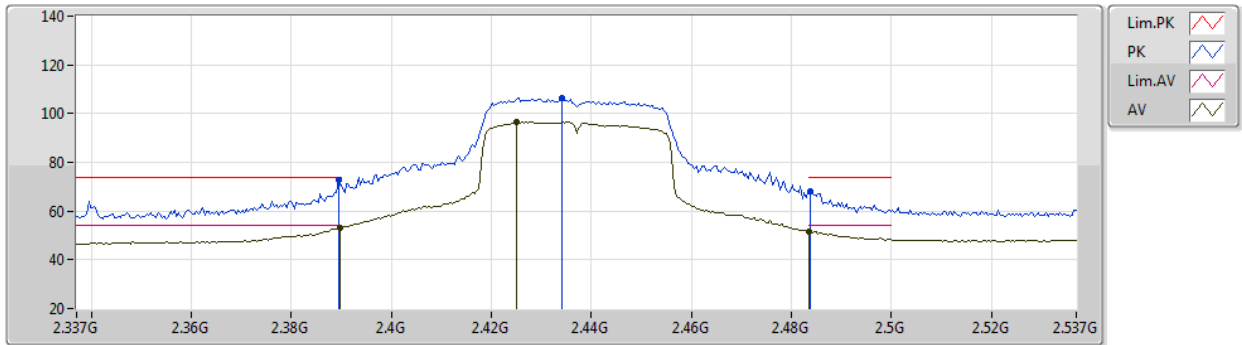
EUT V_1TX
Setting 17
02-B-G-2

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	4.843111G	43.72	74.00	-30.28	37.83	3	Horizontal	89	2.28	-	32.97	4.70	31.78
AV	4.84366G	33.69	54.00	-20.31	27.80	3	Horizontal	89	2.28	-	32.97	4.70	31.78

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



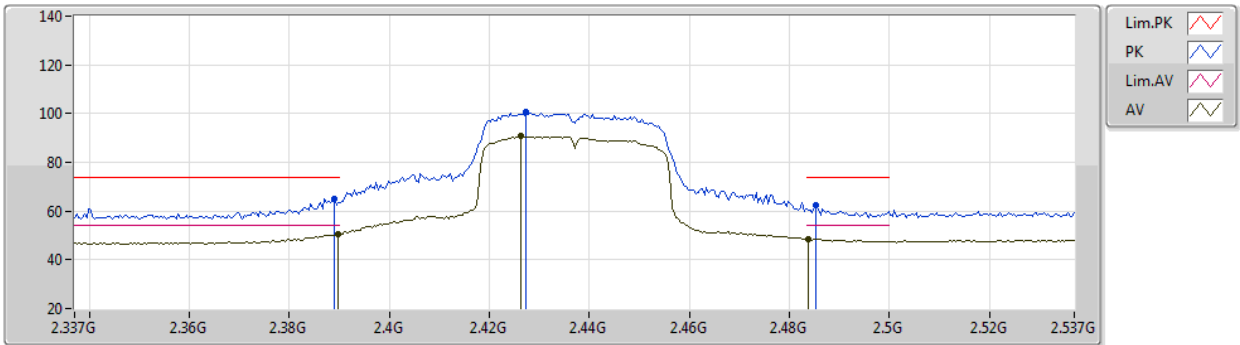
EUT Z_1TX
Setting 19
02-B-G-2

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	72.82	74.00	-1.18	42.11	3	Vertical	347	1.07	-	28.30	2.41	-
AV	2.3898G	52.98	54.00	-1.02	22.27	3	Vertical	347	1.07	-	28.30	2.41	-
PK	2.4342G	106.51	Inf	-Inf	75.72	3	Vertical	347	1.07	-	28.37	2.42	-
AV	2.425G	96.63	Inf	-Inf	65.87	3	Vertical	347	1.07	-	28.35	2.41	-
PK	2.4838G	68.29	74.00	-5.71	37.31	3	Vertical	347	1.07	-	28.54	2.44	-
AV	2.4835G	51.71	54.00	-2.29	20.74	3	Vertical	347	1.07	-	28.53	2.44	-

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



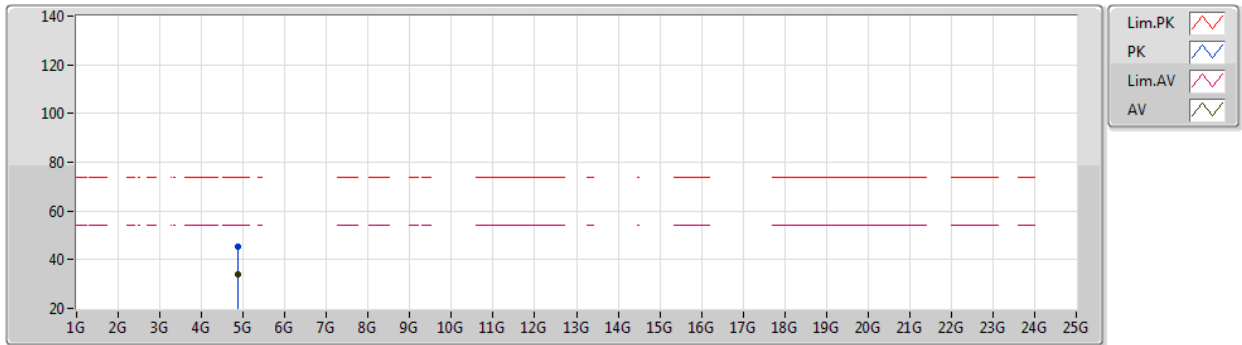
EUT Z_1TX
Setting 19
02-B-G-2

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	65.09	74.00	-8.91	34.38	3	Horizontal	37	2.57	-	28.30	2.41	-
AV	2.3898G	50.56	54.00	-3.44	19.85	3	Horizontal	37	2.57	-	28.30	2.41	-
PK	2.4274G	100.61	Inf	-Inf	69.85	3	Horizontal	37	2.57	-	28.35	2.41	-
AV	2.4262G	90.62	Inf	-Inf	59.86	3	Horizontal	37	2.57	-	28.35	2.41	-
PK	2.4854G	62.46	74.00	-11.54	31.48	3	Horizontal	37	2.57	-	28.54	2.44	-
AV	2.4838G	48.64	54.00	-5.36	17.66	3	Horizontal	37	2.57	-	28.54	2.44	-

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



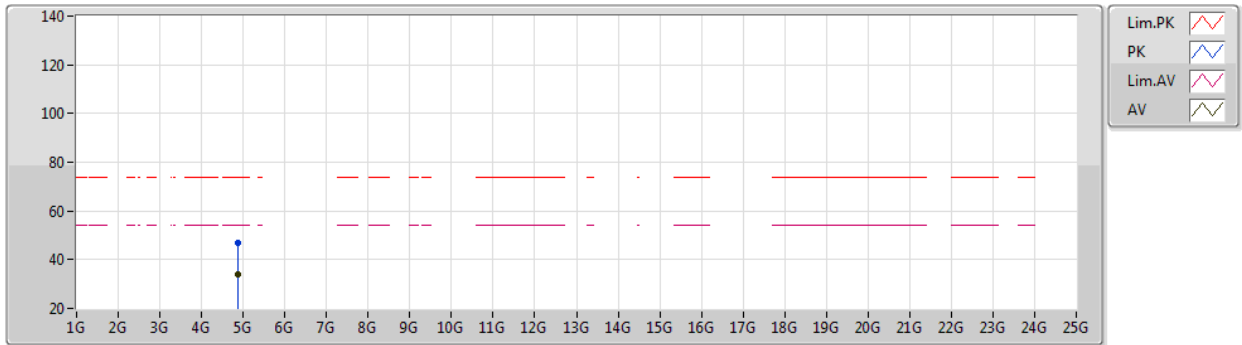
EUT V_1TX
Setting 19
02-B-G-2

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	4.87347G	45.45	74.00	-28.55	39.45	3	Vertical	21	3.00	-	33.09	4.70	31.79
AV	4.87494G	33.72	54.00	-20.28	27.71	3	Vertical	21	3.00	-	33.10	4.70	31.79

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2437MHz_TX



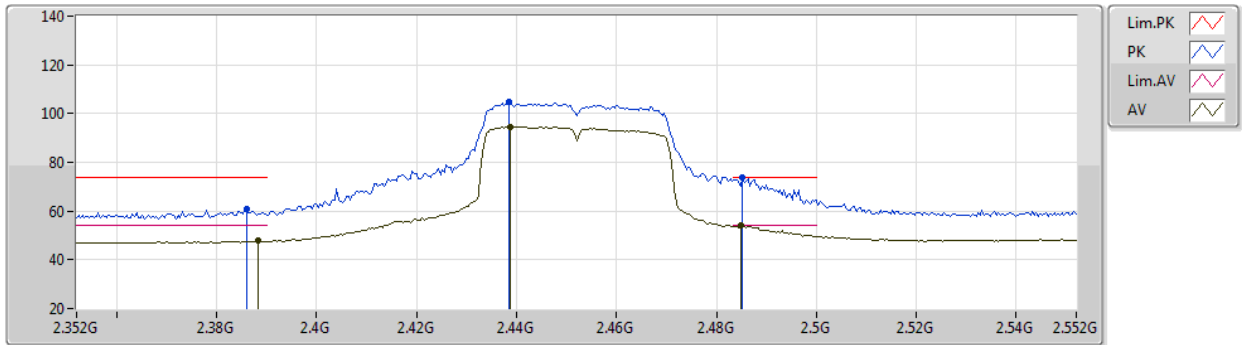
EUT V_1TX
Setting 19
02-B-G-2

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	4.87433G	46.89	74.00	-27.11	40.88	3	Horizontal	210	2.19	-	33.10	4.70	31.79
AV	4.87342G	33.77	54.00	-20.23	27.77	3	Horizontal	210	2.19	-	33.09	4.70	31.79

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2452MHz_TX



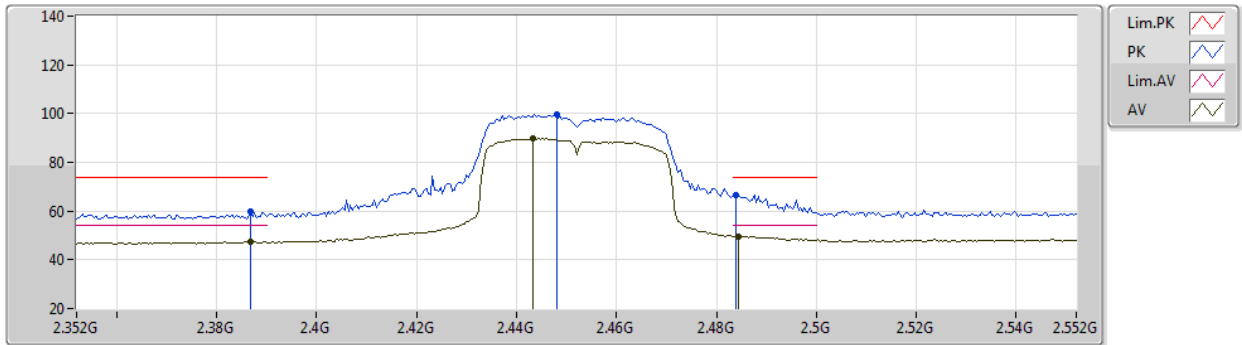
EUT Z_1TX
Setting 18
02-B-G-2

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	2.386G	60.74	74.00	-13.26	30.03	3	Vertical	10	1.22	-	28.30	2.41	-
AV	2.3884G	47.79	54.00	-6.21	17.08	3	Vertical	10	1.22	-	28.30	2.41	-
PK	2.4384G	105.02	Inf	-Inf	74.22	3	Vertical	10	1.22	-	28.38	2.42	-
AV	2.4388G	94.73	Inf	-Inf	63.93	3	Vertical	10	1.22	-	28.38	2.42	-
PK	2.4852G	73.68	74.00	-0.32	42.70	3	Vertical	10	1.22	-	28.54	2.44	-
AV	2.4848G	53.97	54.00	-0.03	22.99	3	Vertical	10	1.22	-	28.54	2.44	-

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2452MHz_TX



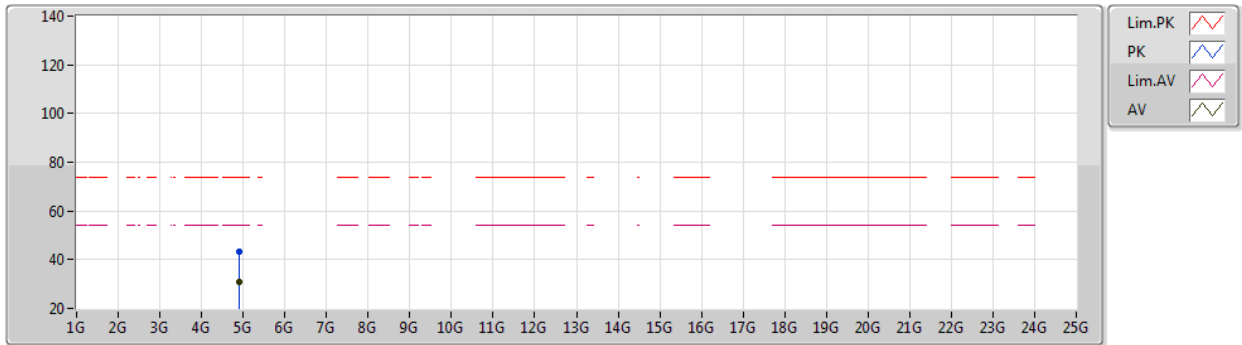
EUT Z_1TX
Setting 18
02-B-G-2

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	2.3868G	59.67	74.00	-14.33	28.96	3	Horizontal	40	2.72	-	28.30	2.41	-
AV	2.3868G	47.23	54.00	-6.77	16.52	3	Horizontal	40	2.72	-	28.30	2.41	-
PK	2.448G	99.84	Inf	-Inf	69.02	3	Horizontal	40	2.72	-	28.40	2.42	-
AV	2.4432G	89.89	Inf	-Inf	59.08	3	Horizontal	40	2.72	-	28.39	2.42	-
PK	2.484G	66.67	74.00	-7.33	35.69	3	Horizontal	40	2.72	-	28.54	2.44	-
AV	2.4844G	49.60	54.00	-4.40	18.62	3	Horizontal	40	2.72	-	28.54	2.44	-

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2452MHz_TX



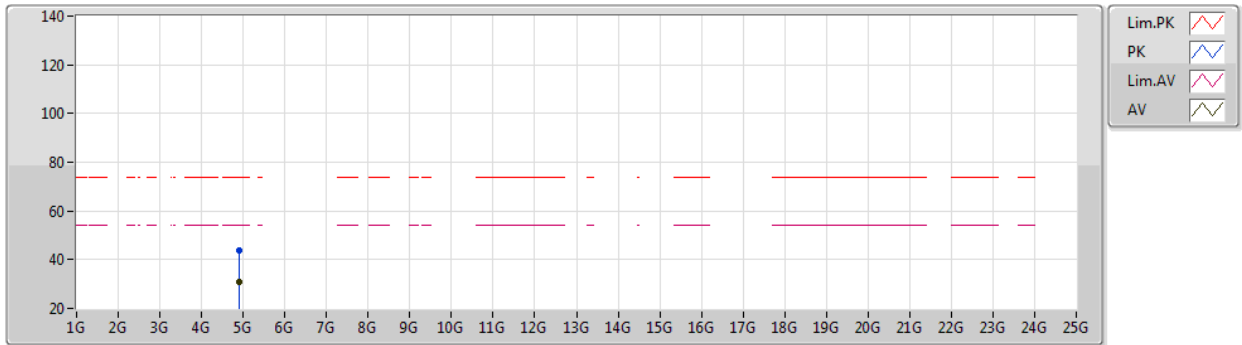
EUT V_1TX
Setting 18
02-B-G-2

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	4.90318G	43.41	74.00	-30.59	37.32	3	Vertical	289	1.28	-	33.20	4.70	31.81
AV	4.90363G	30.97	54.00	-23.03	24.88	3	Vertical	289	1.28	-	33.20	4.70	31.81

802.11n HT40_Nss1,(MCS0)_1TX

29/01/2021

2452MHz_TX



EUT V_1TX
Setting 18
02-B-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	4.90388G	43.83	74.00	-30.17	37.74	3	Horizontal	75	1.47	-	33.20	4.70	31.81
AV	4.90317G	30.90	54.00	-23.10	24.81	3	Horizontal	75	1.47	-	33.20	4.70	31.81