



FCC RADIO TEST REPORT

FCC ID : W59MN10
Equipment : Epic Mesh Node
Brand Name : Luxul
Model Name : MN-10
Applicant : Luxul Wireless
12884 S Frontrunner Blvd Suite 201 Draper Utah
United States 84020
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 25, 2019, and testing was started from Dec. 25, 2019 and completed on Jan. 20, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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Photographs of EUT v01

**History of this test report**

Report No.	Version	Description	Issued Date
FR9D2627AA	01	Initial issue of report	Mar. 04, 2020



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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: **Sandy Chuang**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.



1.1.2 Antenna Information

Ant.	Port				Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz (Band 1)	WLAN 5GHz (Band 4)	Bluetooth					
1	1	2	-	-	HONGBO	WRG-AC87	PIFA	I-PEX	Note 1
2	2	1	-	-	HONGBO	WRG-AC87	PIFA	I-PEX	
3	-	-	1	-	HONGBO	WRG-AC87	PIFA	I-PEX	
4	-	-	2	-	HONGBO	WRG-AC87	PIFA	I-PEX	
5	-	-	3	-	HONGBO	WRG-AC87	PIFA	I-PEX	
6	-	-	4	-	HONGBO	WRG-AC87	PIFA	I-PEX	
7	-	-	-	1	ALPHA	WRG-AC87	PCB	N/A	

Note 1

Ant.	Gain (dBi)				Directional Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz (Band 1)	WLAN 5GHz (Band 4)	Bluetooth	WLAN 2.4GHz	WLAN 5GHz (Band 1)	WLAN 5GHz (Band 4)
1	2.61	3.34	-	-	4.37	5.40	-
2	2.61	3.34	-	-			-
3	-	-	5.45	-	-	-	8.51
4	-	-	5.45	-	-	-	
5	-	-	5.45	-	-	-	
6	-	-	5.45	-	-	-	
7	-	-	-	2.80	-	-	-

Note 2: The above information was declared by manufacturer.

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.
 Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

Band 1

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.
 Port 1 and Port 2 could transmit/receive simultaneously.

Band 4

For IEEE 802.11a/n/ac (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
 Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Bluetooth function:

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	0.995	0.02	n/a (DC≥0.98)	n/a (DC≥0.98)
802.11g	0.963	0.16	2.068m	1k
VHT20	0.983	0.07	n/a (DC≥0.98)	n/a (DC≥0.98)
VHT20-BF	0.898	0.47	1.818m	1k
VHT40	0.967	0.15	2.44m	1k
VHT40-BF	0.923	0.35	1.753m	1k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/VHT in 2.4GHz and n/ac in 5GHz.			
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Test Software Version	<Non-beamforming mode> QRCT <beamforming mode> Telnet			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Operation Mode

Operation Mode	WLAN 2.4GHz	WLAN 5GHz Band 1	WLAN 5GHz Band 4	Bluetooth
AP Router	V	V	V (AP Router and Mesh function)	V
Repeater	V	V	V (Repeater and Mesh function)	V

Note: The applicant designated the AP Router mode to perform all test and its test result was written in the report.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location		
<input type="checkbox"/>	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
<input checked="" type="checkbox"/>	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Lucas Huang	21.7-24.3°C / 54-64%	Jan. 13, 2020~ Jan. 20, 2020
Radiated (Below 1GHz)	03CH06CB	KJ Chang	23-24.3°C / 56-60%	Jan. 18, 2020
Radiated (Above 1GHz)	03CH06CB	KJ Chang	14.8-15.4°C / 54-56%	Dec. 25, 2019~ Jan. 17, 2020
AC Conduction	CO01-CB	Max Lin	21~22°C / 58~59%	Jan. 20, 2020

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23.5
2437MHz	24.5
2462MHz	25
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20
2417MHz	25
2437MHz	25
2457MHz	25
2462MHz	21
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	19
2417MHz	22
2437MHz	25
2457MHz	25
2462MHz	20.5
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	18.5
2437MHz	19.5
2452MHz	19
VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	22
2417MHz	25
2437MHz	25
2462MHz	24
VHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	19
2427MHz	21
2437MHz	24
2452MHz	23

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- ♦ There are two modes of EUT, one is beamforming mode, and the other is Non-beamforming mode for n/VHT in 2.4GHz and n/ac in 5GHz. Beamforming mode and Non-beamforming mode has been test and record in this test report.



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	EUT_ AP Router

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_ AP Router
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5G Band 1
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz Band 1 + WLAN 5GHz Band 4 + Bluetooth
Refer to Sporton Test Report No.: FA9D2627 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used in Z-axis position.



2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	APD	WA-30P12FU	Input: 100-240V~, 50-60Hz, 0.9A Max. Output: 12V, 2.5A
Other			
RJ-45 cable*1: Non-Shielded, 1.0m			



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	AP-1	Luxul	MN-10	N/A
F	AP-2	Luxul	MN-10	N/A
G	Smart phone	Samsung	Galaxy J2	N/A
H	AP-1 NB	DELL	E6430	N/A
I	AP-2 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	NB	DELL	E4300	N/A
C	AP-1	Luxul	MN-10	N/A
D	PHONE	HTC	One X9	N/A
E	NB	DELL	E4300	N/A
F	NB	DELL	E4300	N/A
G	AP-2	Luxul	MN-10	N/A
H	NB	DELL	E4300	N/A
I	NB	DELL	E4300	N/A



For Radiated (above 1GHz):
<For Non-Beamforming Mode>

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

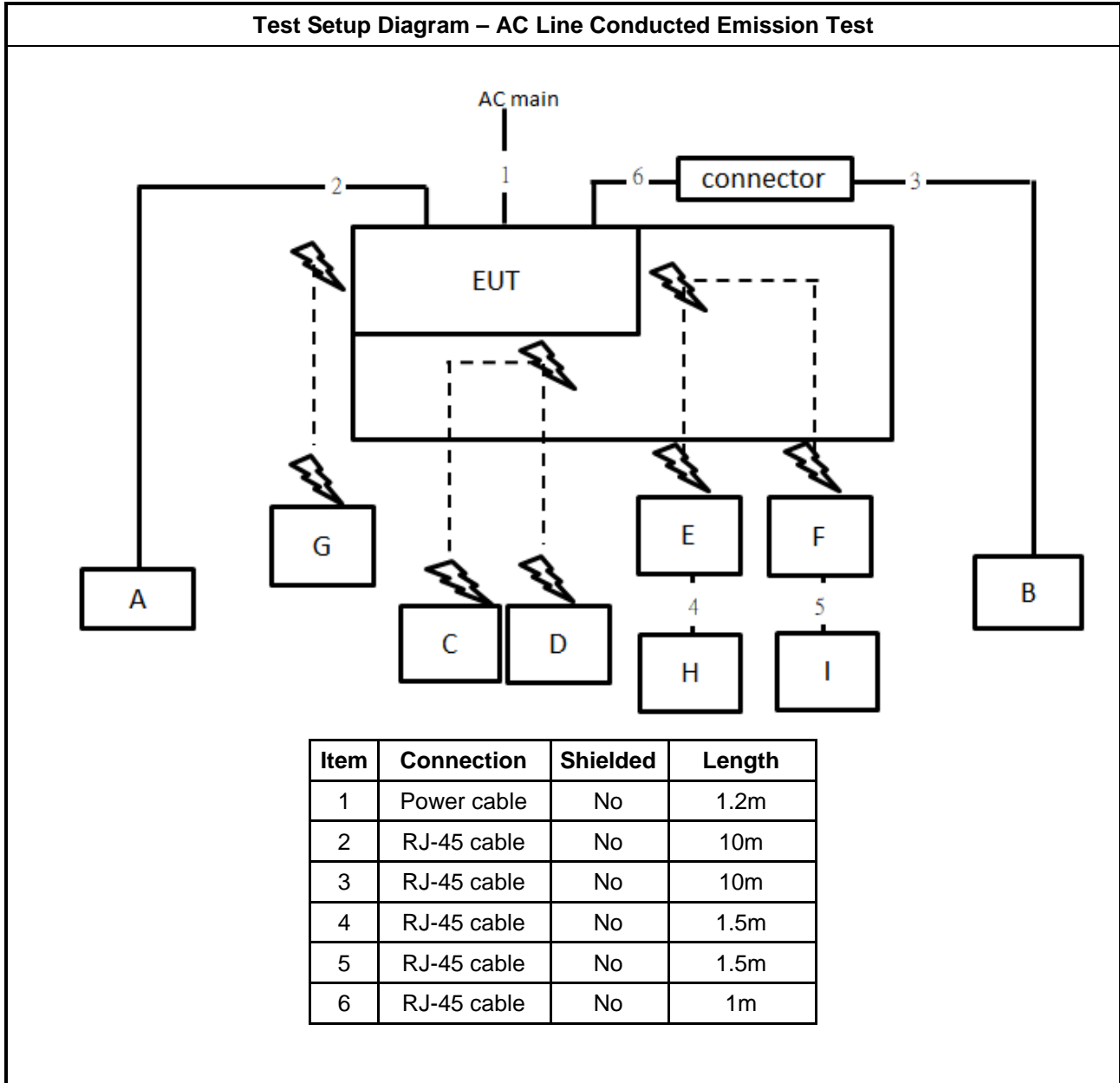
<For Beamforming Mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	RX Device	Luxul	MN-10	N/A

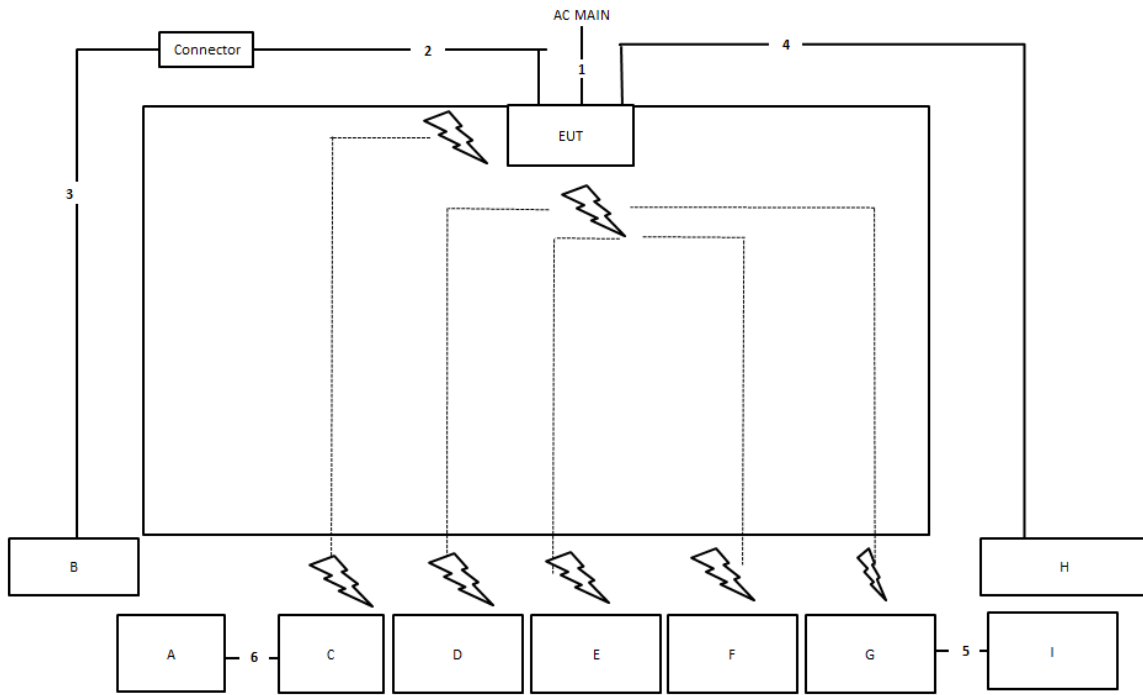
For RF Conducted:

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

2.6 Test Setup Diagram



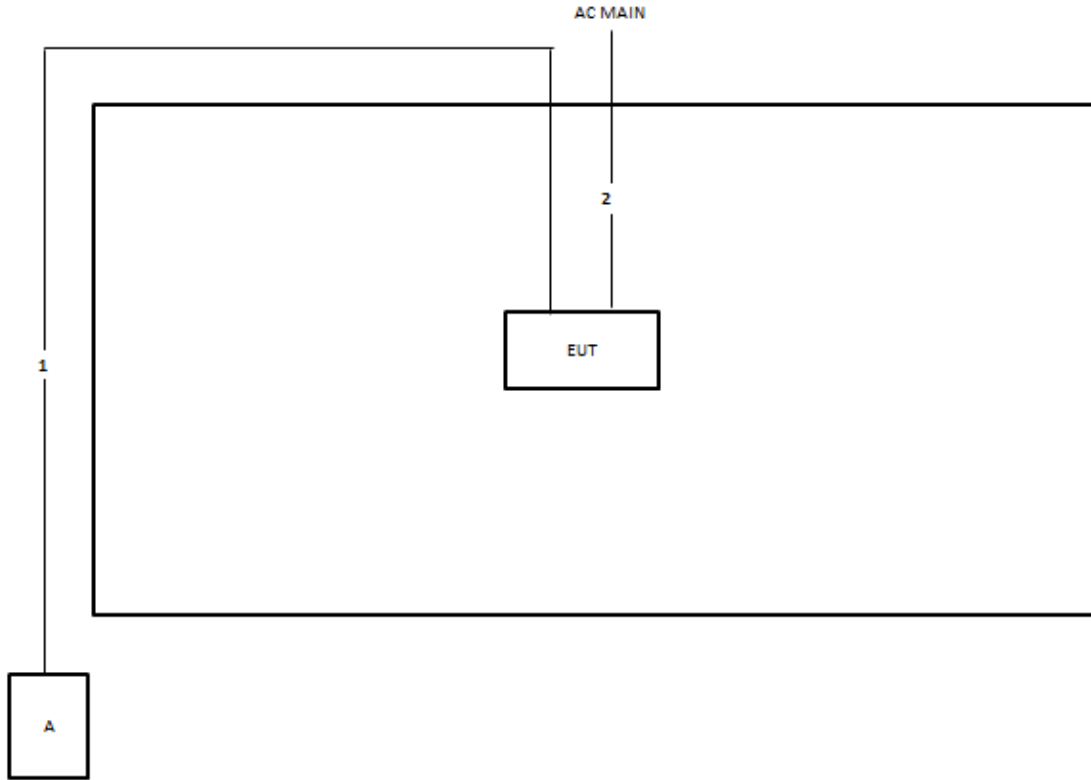
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.2m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	1.5m
6	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz

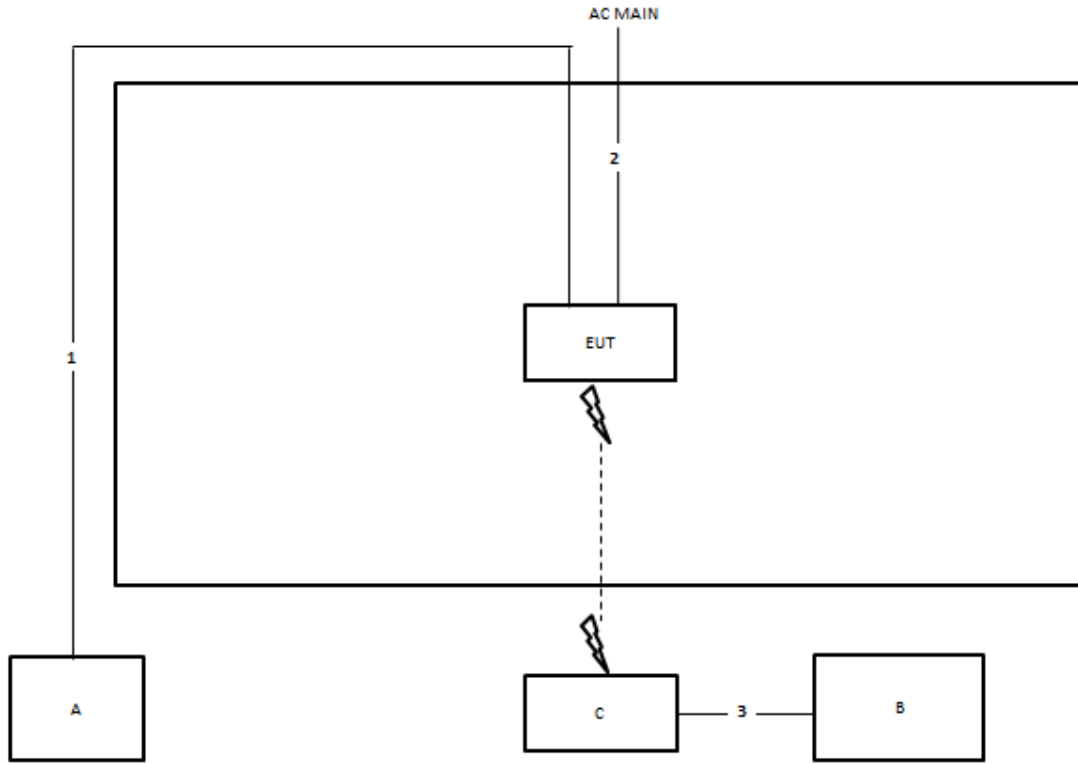
<For Non-Beamforming Mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.2m

Test Setup Diagram - Radiated Test > 1GHz

<For Beamforming Mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.2m
3	RJ-45 cable	No	1.5m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

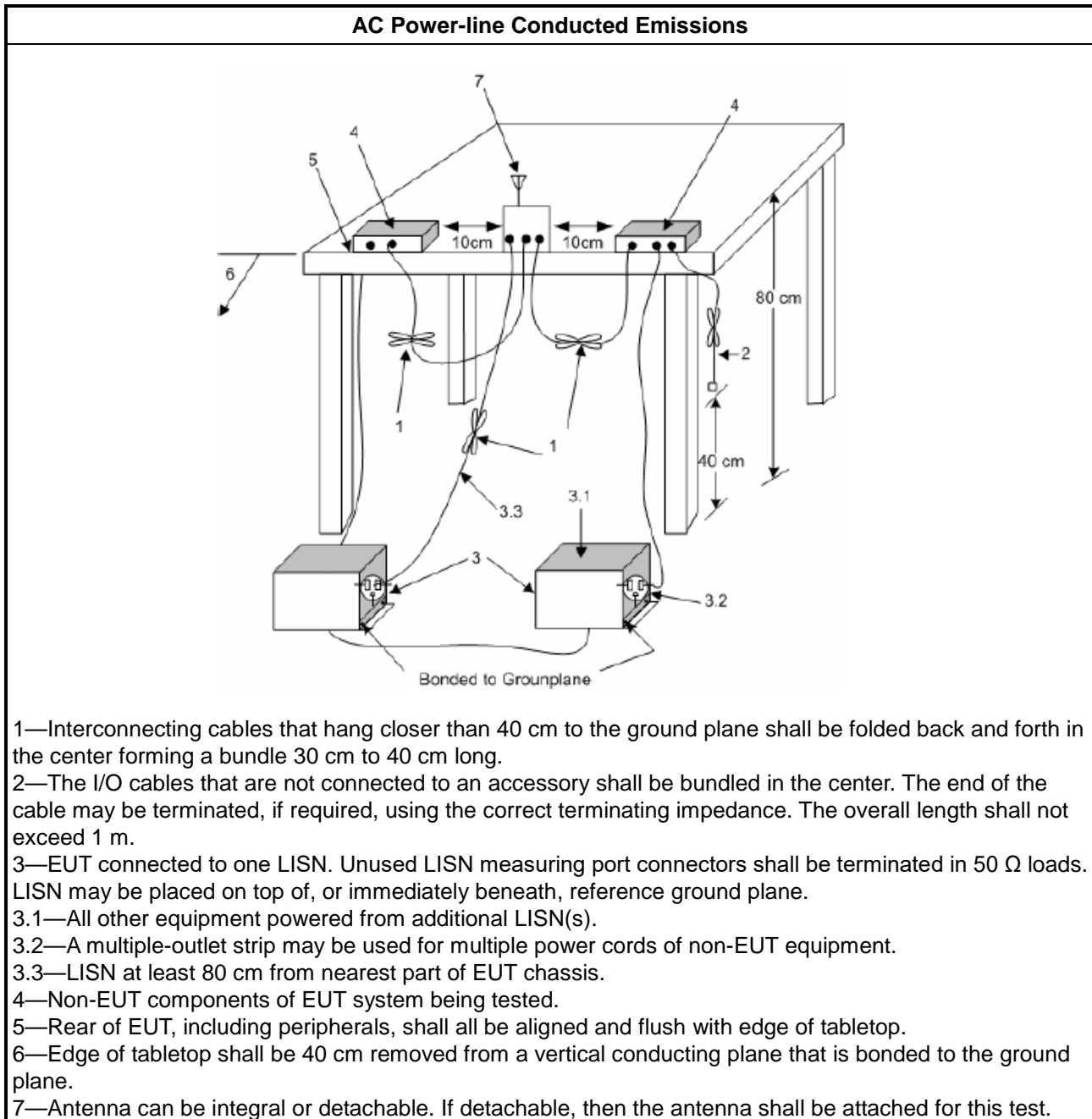
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<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 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.

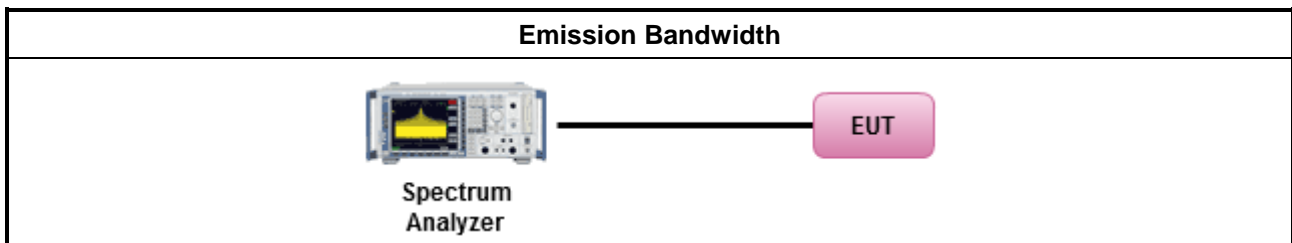
3.2.2 Measuring Instruments

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

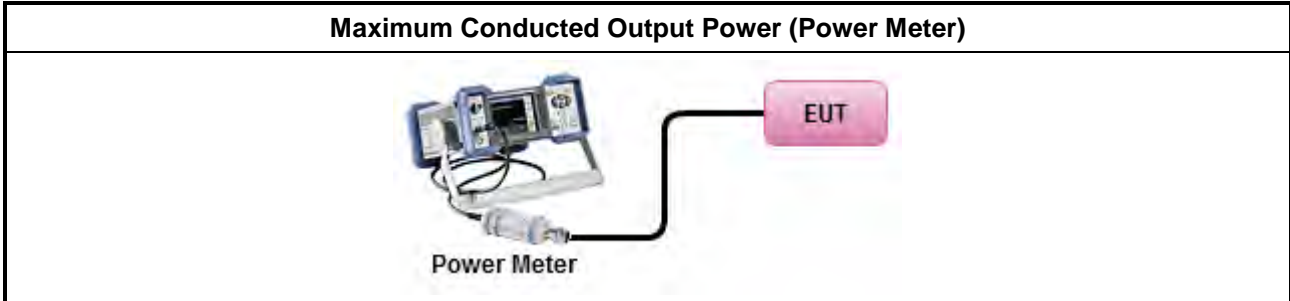
Refer a test equipment and calibration data table in this test report.



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

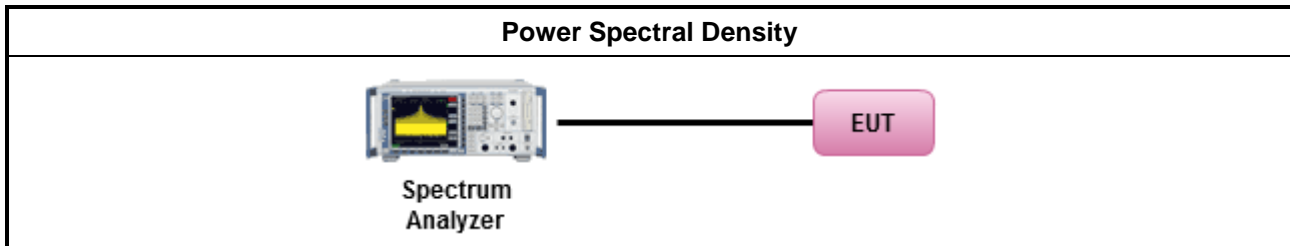
Refer a test equipment and calibration data table in this test report.

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 11.10.2 Method PKPSD. [duty cycle \geq 98% or external video / power trigger]
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
duty cycle < 98% and average over on/off periods with duty factor
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
<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: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. <input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,

- Option 3: Measure and add $10 \log(N)$ dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with $10 \log(N)$. Or each transmit chains shall be add $10 \log(N)$ to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

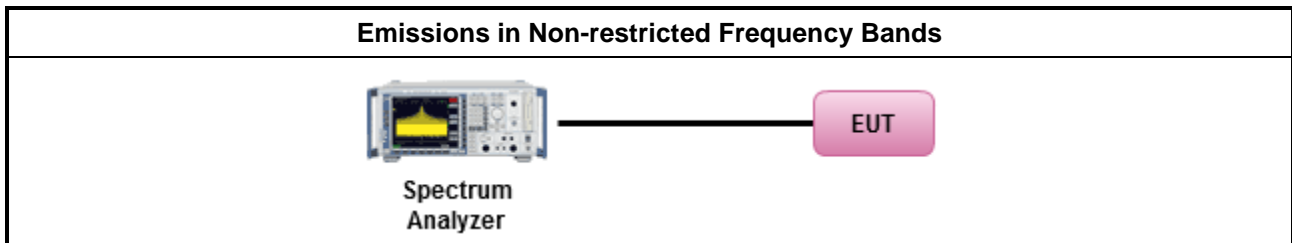
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

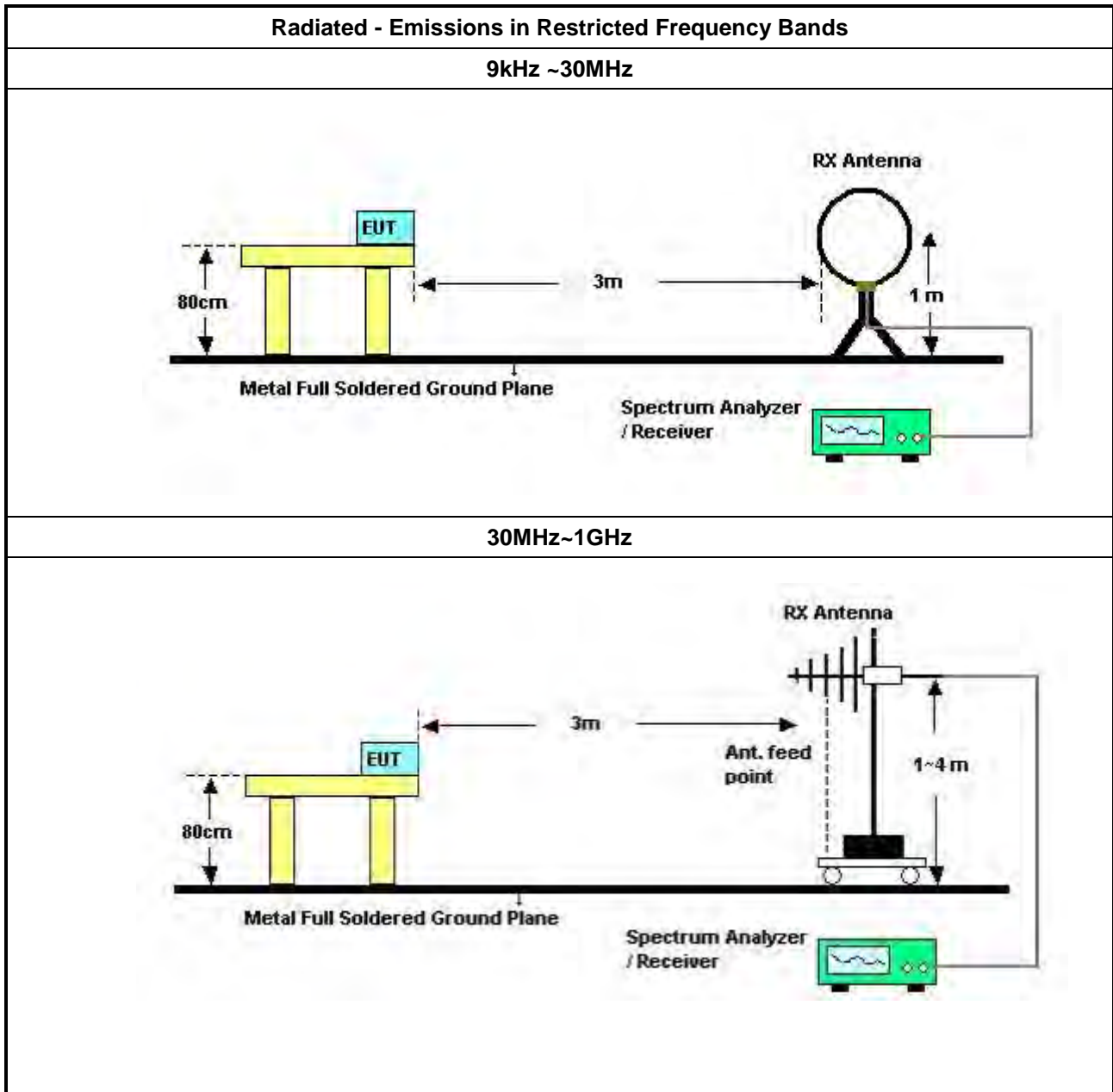
Refer a test equipment and calibration data table in this test report.

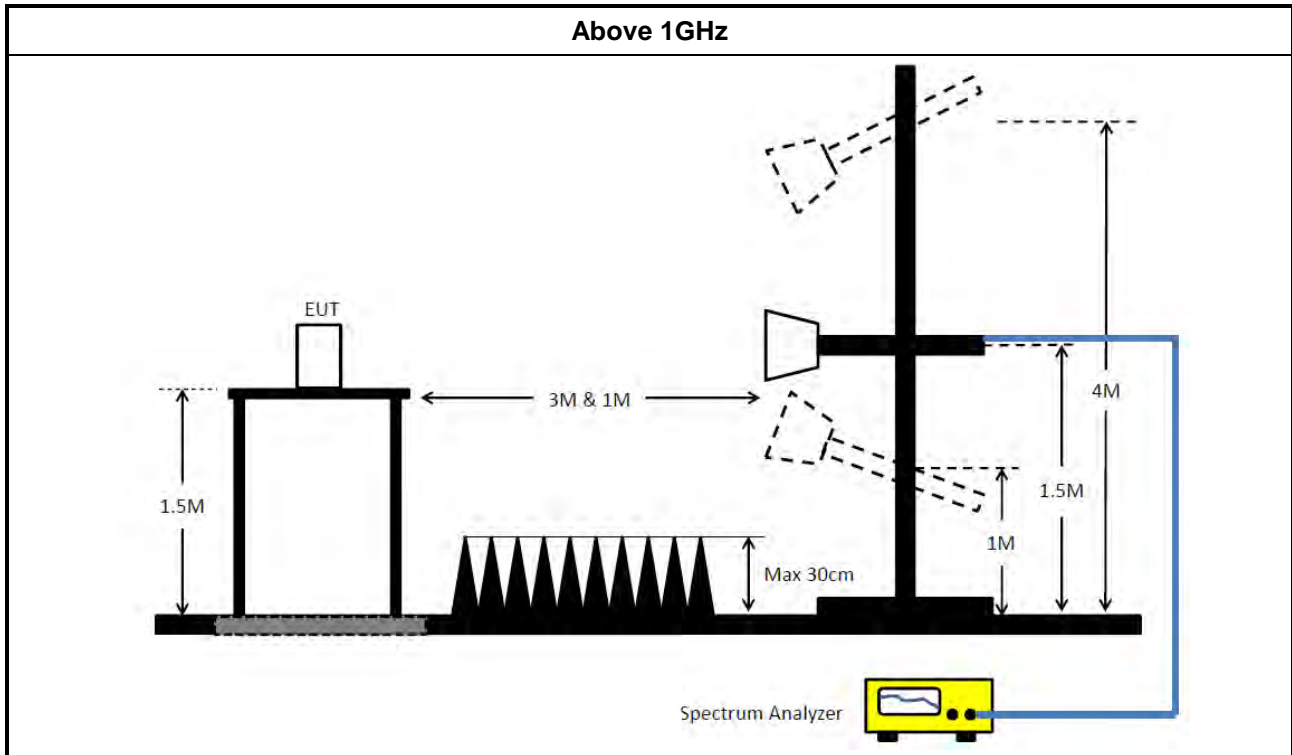


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	<ul style="list-style-type: none"> ▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	<ul style="list-style-type: none"> ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = 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 10 harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 03, 2019	Aug. 02, 2020	Radiation (03CH06-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 17, 2019	Jul. 16, 2020	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	May 07, 2019	May 06, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 08, 2019	May 07, 2020	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH06-CB)
RF Cable-low	HUBER+SUHNER	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)

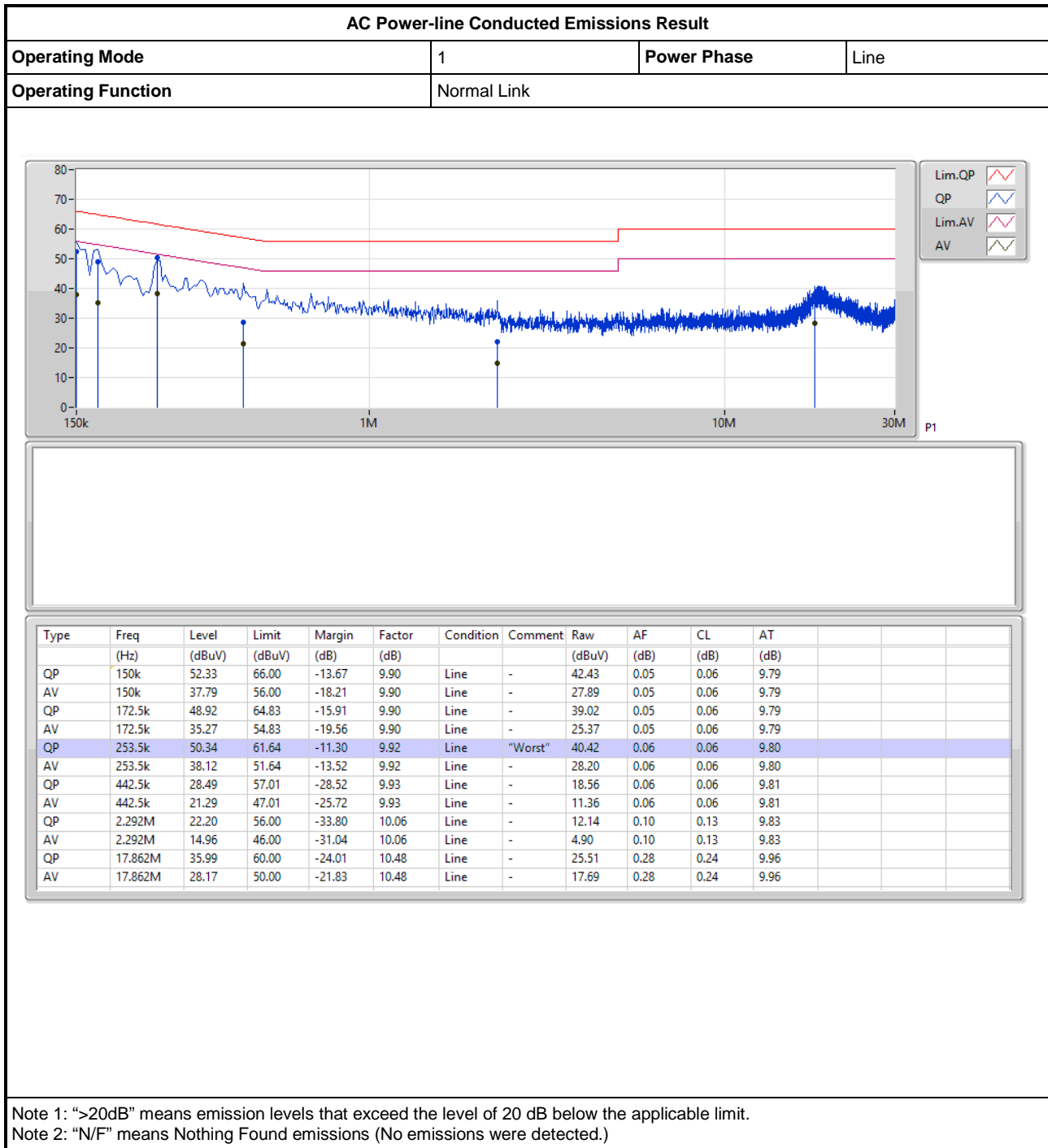
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



AC Power-line Conducted Emissions Result

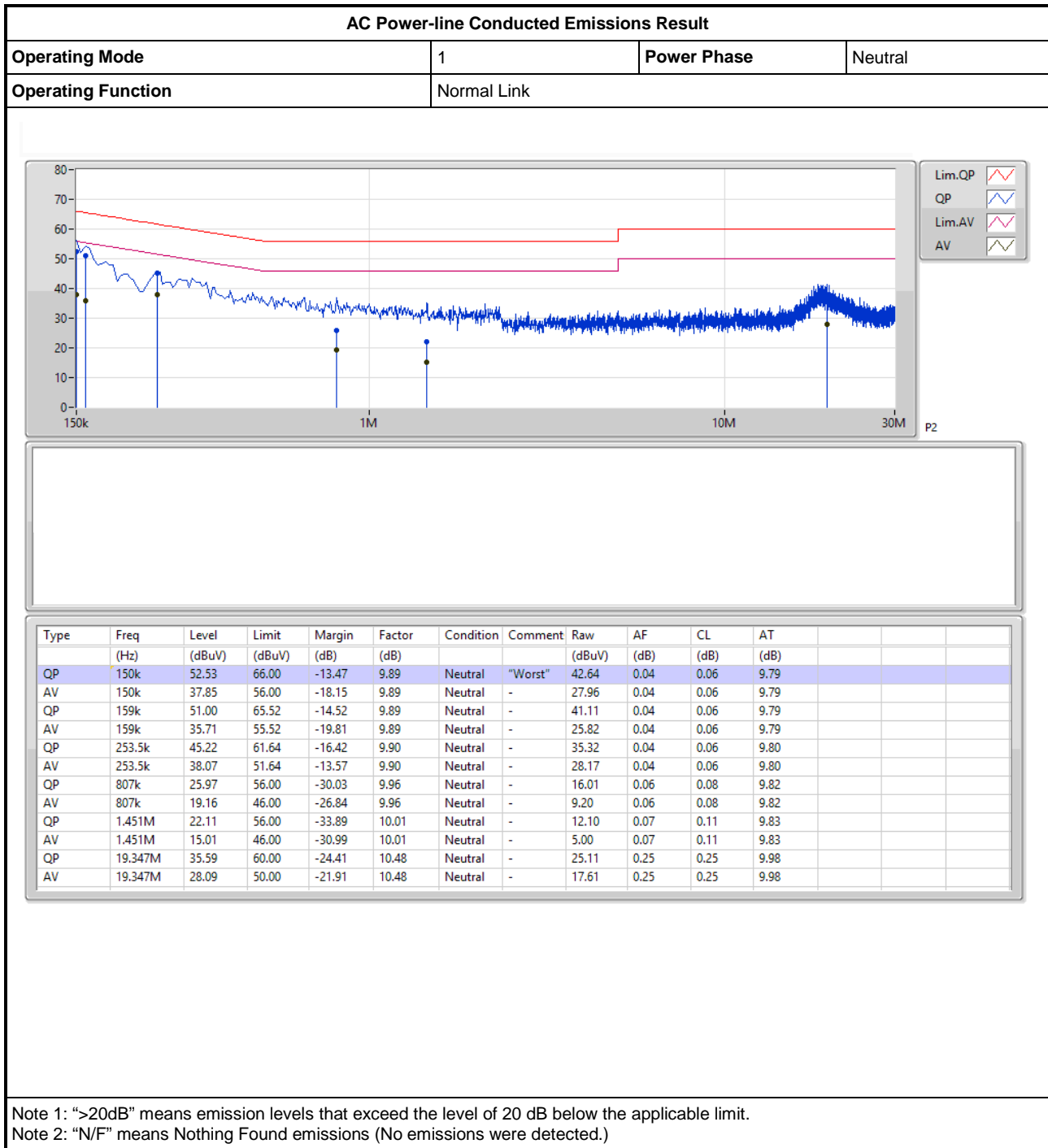
Appendix A





AC Power-line Conducted Emissions Result

Appendix A





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.075M	13.018M	13M0G1D	7.55M	12.819M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.792M	16M8D1D	16.325M	16.392M
VHT20_Nss1,(MCS0)_2TX	17.575M	17.916M	17M9D1D	17.15M	17.566M
VHT40_Nss1,(MCS0)_2TX	35.3M	35.932M	35M9D1D	32.75M	35.832M
VHT20-BF_Nss1,(MCS0)_2TX	17.6M	17.641M	17M6D1D	15.55M	17.366M
VHT40-BF_Nss1,(MCS0)_2TX	33.1M	35.982M	36M0D1D	26.3M	35.732M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.55M	12.919M	8.05M	12.819M
2437MHz	Pass	500k	7.575M	12.969M	8.075M	12.944M
2462MHz	Pass	500k	8.075M	13.018M	8M	12.944M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.392M	16.325M	16.392M
2437MHz	Pass	500k	16.325M	16.792M	16.325M	16.517M
2462MHz	Pass	500k	16.35M	16.392M	16.325M	16.392M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.591M	17.55M	17.566M
2437MHz	Pass	500k	17.55M	17.916M	17.15M	17.641M
2462MHz	Pass	500k	17.575M	17.566M	17.525M	17.566M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	32.75M	35.932M	35.3M	35.932M
2437MHz	Pass	500k	35M	35.882M	34.1M	35.882M
2452MHz	Pass	500k	35M	35.832M	35.1M	35.882M
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.6M	17.591M	16.3M	17.366M
2437MHz	Pass	500k	16.525M	17.566M	15.55M	17.591M
2462MHz	Pass	500k	17.525M	17.541M	17.6M	17.641M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	28.55M	35.882M	33.1M	35.982M
2437MHz	Pass	500k	32.55M	35.782M	26.3M	35.732M
2452MHz	Pass	500k	31.25M	35.882M	29M	35.782M

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

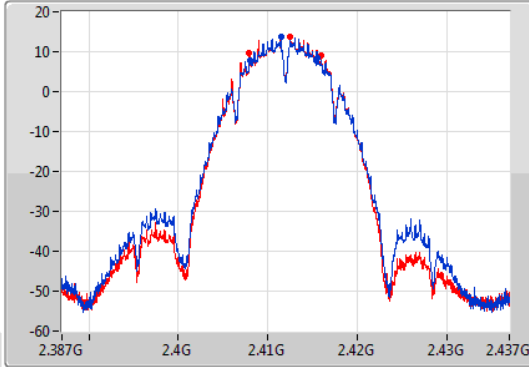
802.11b_Nss1,(1Mbps)_2TX

EBW

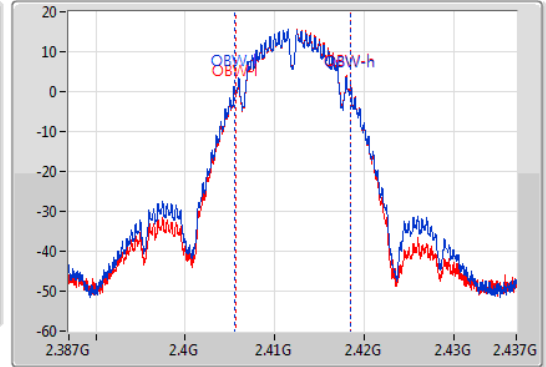
2412MHz

20/01/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.408G	2.41555G	12.919M	2.405528G	2.418447G	500k	1
8.05M	2.40795G	2.416G	12.819M	2.405628G	2.418447G	500k	2

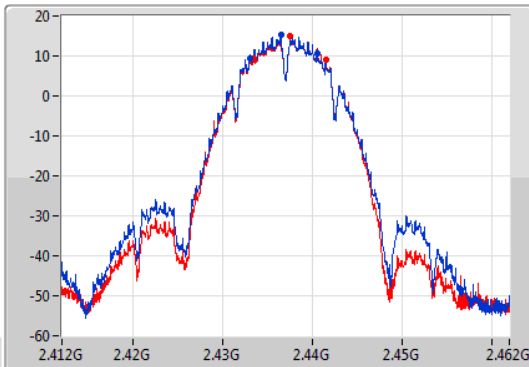
802.11b_Nss1,(1Mbps)_2TX

EBW

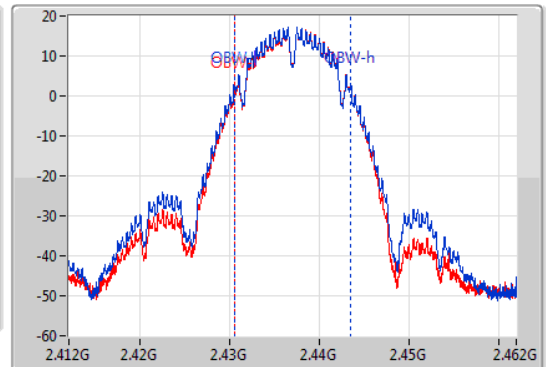
2437MHz

20/01/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.575M	2.432975G	2.44055G	12.969M	2.430503G	2.443472G	500k	1
8.075M	2.433425G	2.4415G	12.944M	2.430553G	2.443497G	500k	2

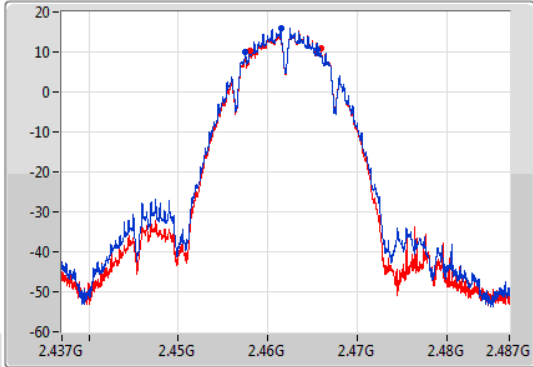
802.11b_Nss1,(1Mbps)_2TX

EBW

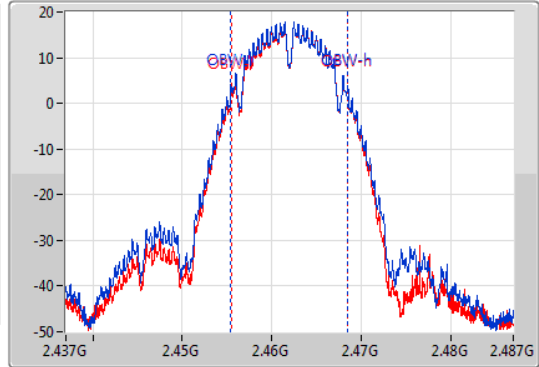
2462MHz

20/01/2020

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



CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.457475G	2.46555G	13.018M	2.455453G	2.468472G	500k	1
8M	2.457975G	2.465975G	12.944M	2.455528G	2.468472G	500k	2

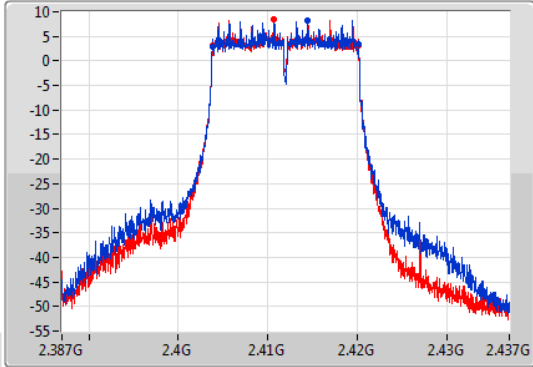
802.11g_Nss1,(6Mbps)_2TX

EBW

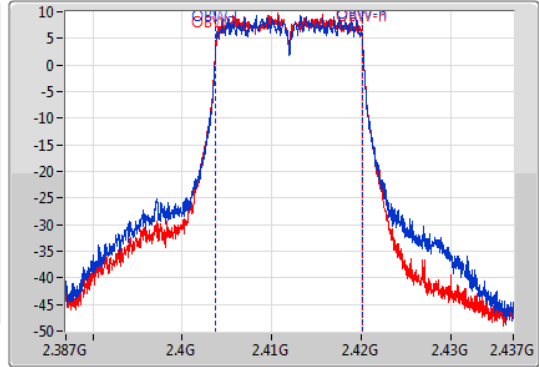
2412MHz

20/01/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	16.392M	2.403779G	2.420171G	500k	1
16.325M	2.403825G	2.42015G	16.392M	2.403779G	2.420171G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

20/01/2020

CF
2.437GHz

Span
50MHz

RBW
100kHz

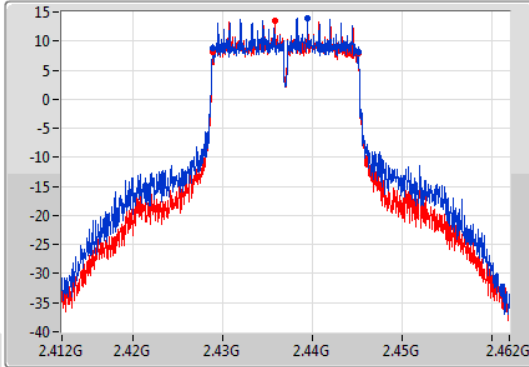
VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port 1

Port 2



CF
2.437GHz

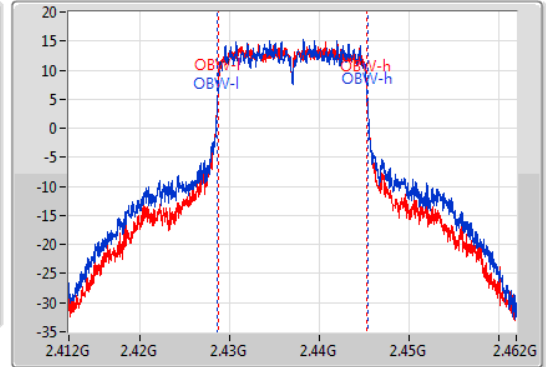
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.792M	2.428579G	2.445371G	500k	1
16.325M	2.428825G	2.44515G	16.517M	2.428729G	2.445246G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

20/01/2020

CF
2.462GHz

Span
50MHz

RBW
100kHz

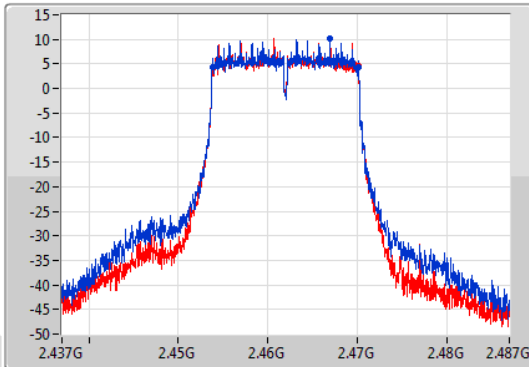
VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port 1

Port 2



CF
2.462GHz

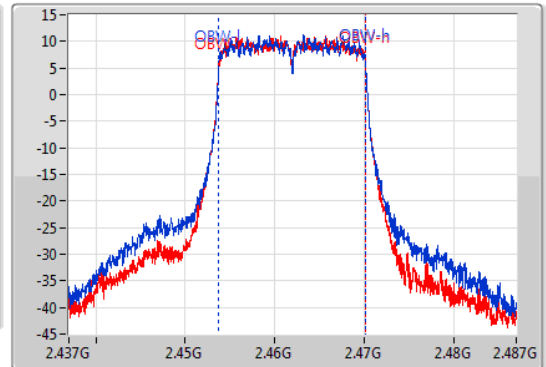
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4538G	2.47015G	16.392M	2.453779G	2.470171G	500k	1
16.325M	2.453825G	2.47015G	16.392M	2.453779G	2.470171G	500k	2

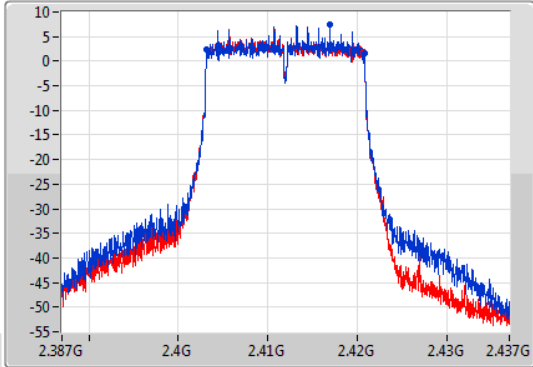
VHT20_Nss1,(MCS0)_2TX

EBW

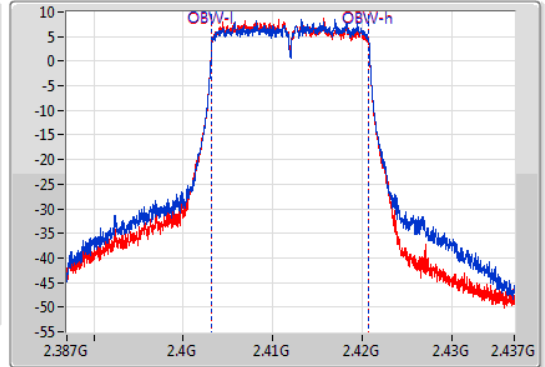
2412MHz

20/01/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4032G	2.420775G	17.591M	2.403179G	2.420771G	500k	1
17.55M	2.4032G	2.42075G	17.566M	2.403179G	2.420746G	500k	2

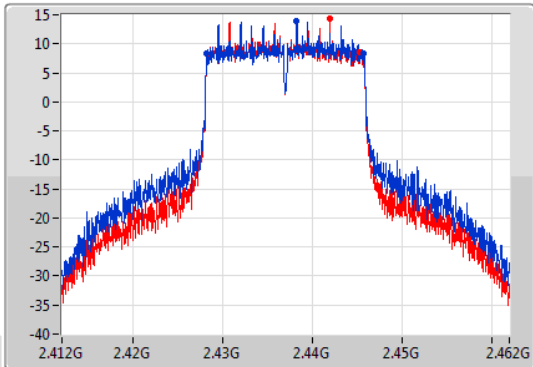
VHT20_Nss1,(MCS0)_2TX

EBW

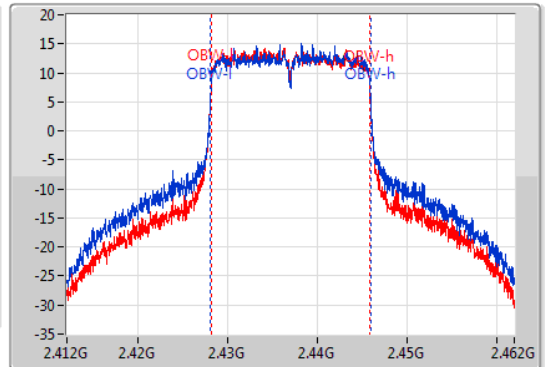
2437MHz

20/01/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4282G	2.44575G	17.916M	2.428029G	2.445946G	500k	1
17.15M	2.4282G	2.44535G	17.641M	2.428154G	2.445796G	500k	2

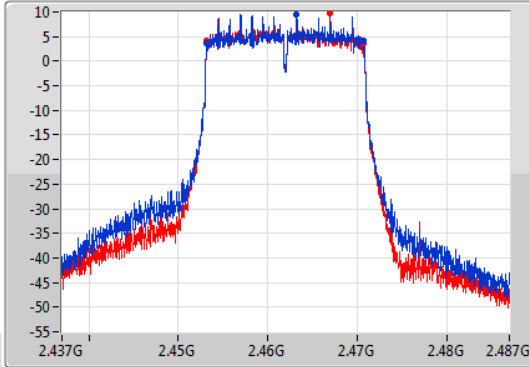
VHT20_Nss1,(MCS0)_2TX

EBW

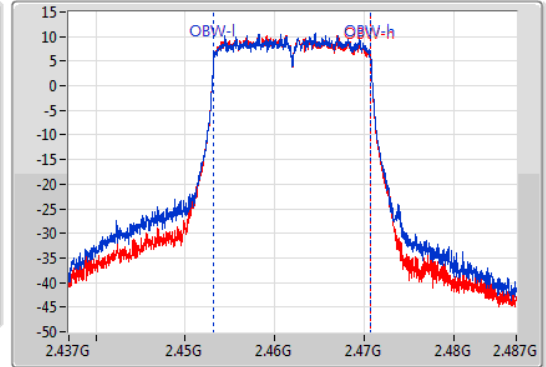
2462MHz

20/01/2020

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



CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453175G	2.47075G	17.566M	2.453179G	2.470746G	500k	1
17.525M	2.4532G	2.470725G	17.566M	2.453179G	2.470746G	500k	2

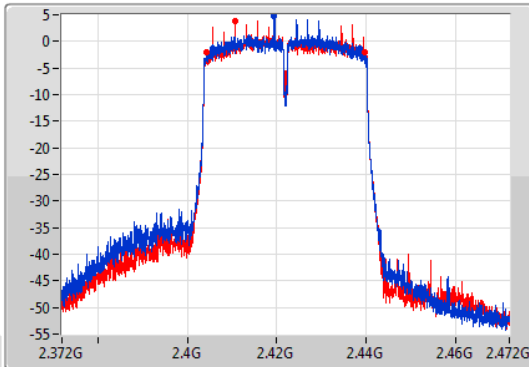
VHT40_Nss1,(MCS0)_2TX

EBW

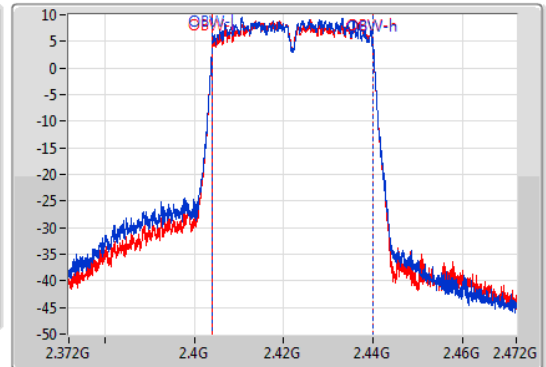
2422MHz

20/01/2020

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.422GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.75M	2.4057G	2.43845G	35.932M	2.404059G	2.439991G	500k	1
35.3M	2.40445G	2.43975G	35.932M	2.404059G	2.439991G	500k	2

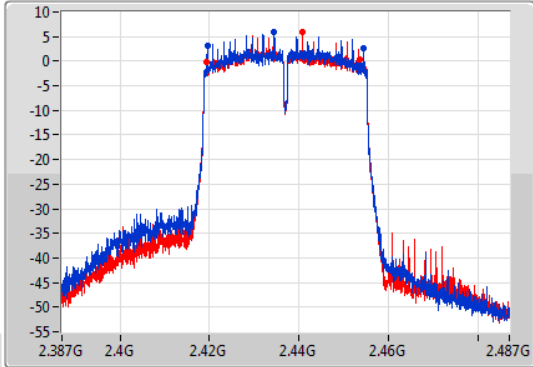
VHT40_Nss1,(MCS0)_2TX

EBW

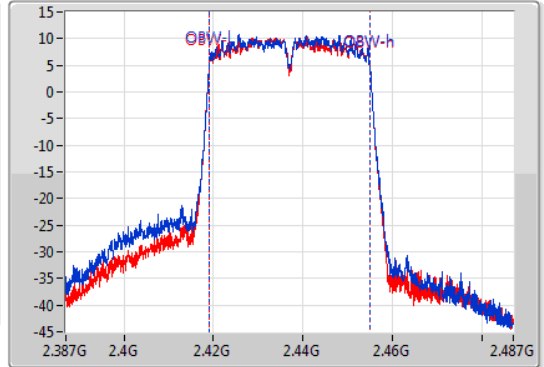
2437MHz

20/01/2020

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



CF
2.437GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	2.4195G	2.4545G	35.882M	2.419059G	2.454941G	500k	1
34.1M	2.4194G	2.4535G	35.882M	2.419059G	2.454941G	500k	2

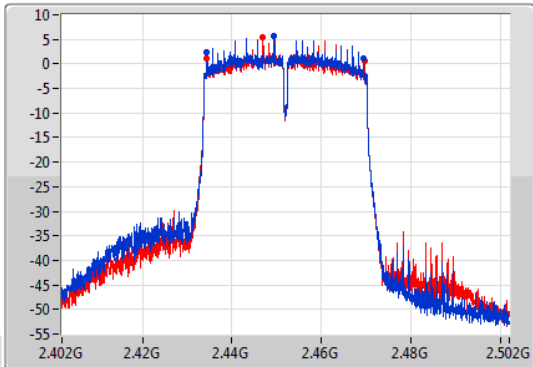
VHT40_Nss1,(MCS0)_2TX

EBW

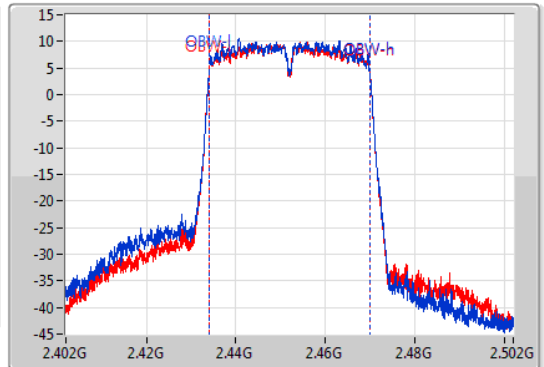
2452MHz

20/01/2020

CF
2.452GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.452GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	2.43445G	2.46945G	35.832M	2.434059G	2.469891G	500k	1
35.1M	2.43445G	2.46955G	35.882M	2.434059G	2.469941G	500k	2

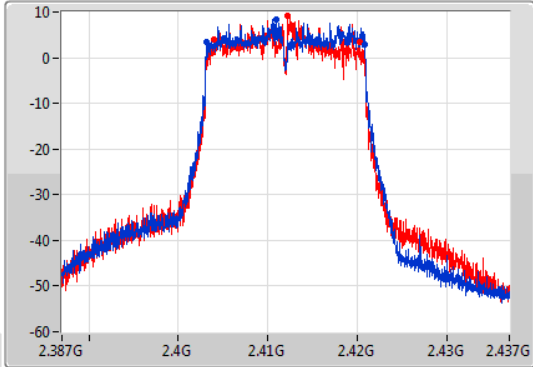
VHT20-BF_Nss1,(MCS0)_2TX

EBW

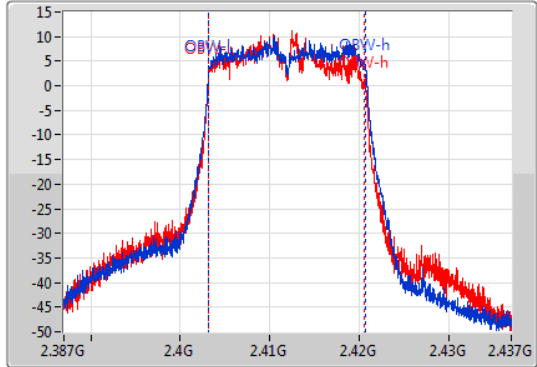
2412MHz

20/01/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	2.4032G	2.4208G	17.591M	2.403179G	2.420771G	500k	1
16.3M	2.404025G	2.420325G	17.366M	2.403204G	2.420571G	500k	2

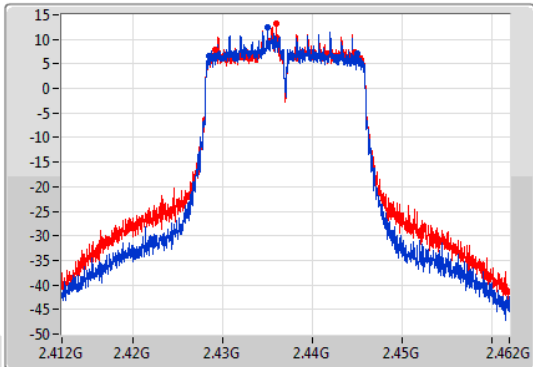
VHT20-BF_Nss1,(MCS0)_2TX

EBW

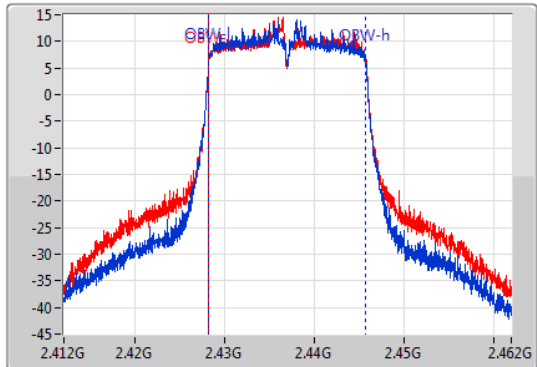
2437MHz

20/01/2020

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.4285G	2.445025G	17.566M	2.428179G	2.445746G	500k	1
15.55M	2.4292G	2.44475G	17.591M	2.428179G	2.445771G	500k	2

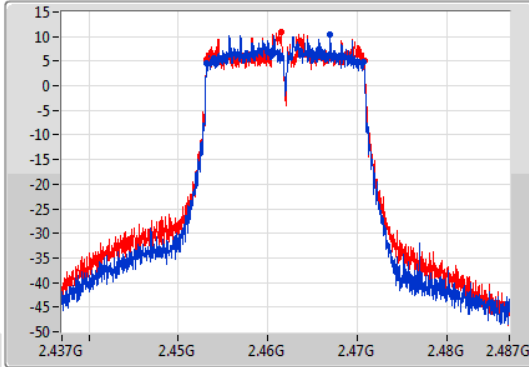
VHT20-BF_Nss1,(MCS0)_2TX

EBW

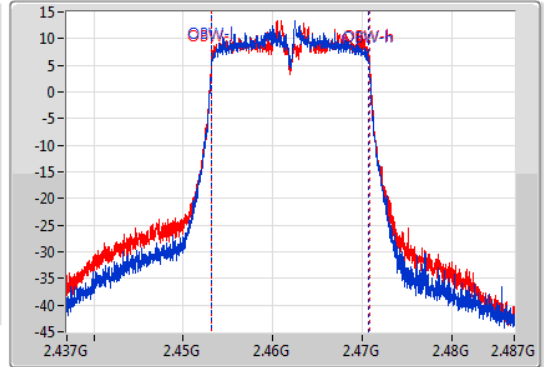
2462MHz

20/01/2020

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



CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.4532G	2.470725G	17.541M	2.453204G	2.470746G	500k	1
17.6M	2.453175G	2.470775G	17.641M	2.453154G	2.470796G	500k	2

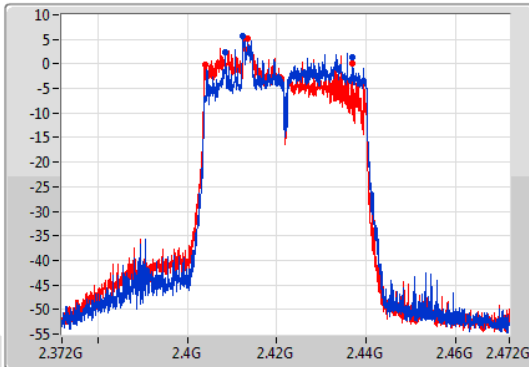
VHT40-BF_Nss1,(MCS0)_2TX

EBW

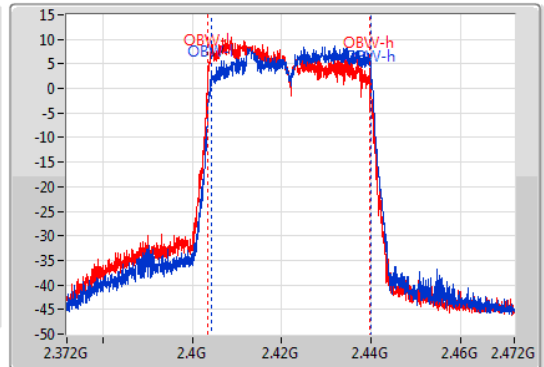
2422MHz

20/01/2020

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.422GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.55M	2.40845G	2.437G	35.882M	2.404209G	2.440091G	500k	1
33.1M	2.4039G	2.437G	35.982M	2.403609G	2.439591G	500k	2

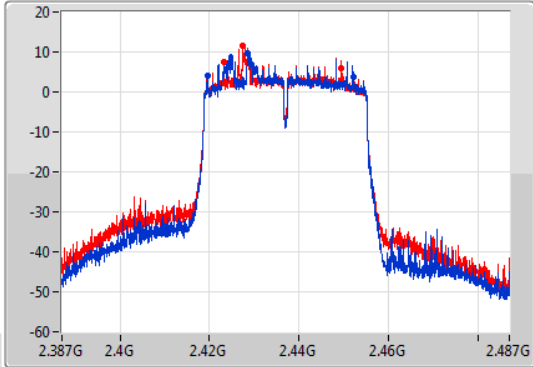
VHT40-BF_Nss1,(MCS0)_2TX

EBW

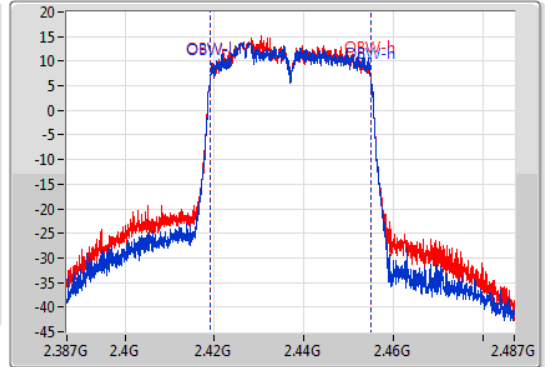
2437MHz

20/01/2020

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



CF
2.437GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	2.4195G	2.45205G	35.782M	2.419109G	2.454891G	500k	1
26.3M	2.4232G	2.4495G	35.732M	2.419109G	2.454841G	500k	2

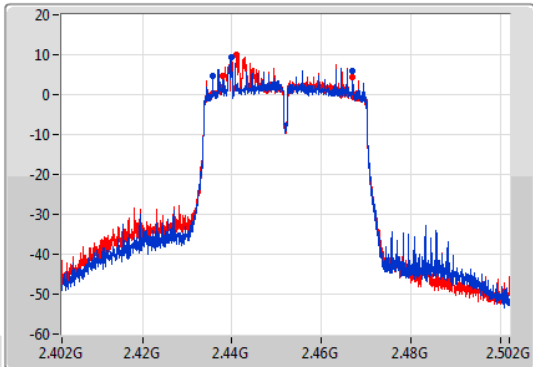
VHT40-BF_Nss1,(MCS0)_2TX

EBW

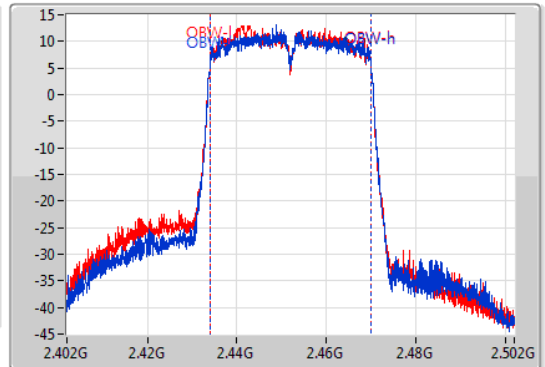
2452MHz

20/01/2020

CF
2.452GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.452GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.25M	2.4357G	2.46695G	35.882M	2.434009G	2.469891G	500k	1
29M	2.43795G	2.46695G	35.782M	2.434059G	2.469841G	500k	2



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.04	0.63680
802.11g_Nss1,(6Mbps)_2TX	27.77	0.59841
VHT20_Nss1,(MCS0)_2TX	27.75	0.59566
VHT40_Nss1,(MCS0)_2TX	22.30	0.16982
VHT20-BF_Nss1,(MCS0)_2TX	24.74	0.29785
VHT40-BF_Nss1,(MCS0)_2TX	23.27	0.21232



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.61	23.00	23.20	26.11	30.00
2437MHz	Pass	2.61	24.66	24.38	27.53	30.00
2462MHz	Pass	2.61	25.21	24.84	28.04	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.61	19.42	19.59	22.52	30.00
2417MHz	Pass	2.61	24.22	24.28	27.26	30.00
2437MHz	Pass	2.61	24.64	24.65	27.66	30.00
2457MHz	Pass	2.61	24.77	24.74	27.77	30.00
2462MHz	Pass	2.61	21.14	21.07	24.12	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.61	18.67	18.65	21.67	30.00
2417MHz	Pass	2.61	21.71	21.61	24.67	30.00
2437MHz	Pass	2.61	24.68	24.71	27.71	30.00
2457MHz	Pass	2.61	24.58	24.90	27.75	30.00
2462MHz	Pass	2.61	20.69	20.68	23.70	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.61	18.07	17.91	21.00	30.00
2437MHz	Pass	2.61	19.38	19.19	22.30	30.00
2452MHz	Pass	2.61	18.98	18.69	21.85	30.00
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.37	18.47	18.11	21.30	30.00
2417MHz	Pass	4.37	21.06	21.02	24.05	30.00
2437MHz	Pass	4.37	21.96	21.48	24.74	30.00
2462MHz	Pass	4.37	21.04	21.13	24.10	30.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.37	14.80	14.68	17.75	30.00
2427MHz	Pass	4.37	16.68	17.28	20.00	30.00
2437MHz	Pass	4.37	20.10	20.41	23.27	30.00
2452MHz	Pass	4.37	19.26	19.34	22.31	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.65
802.11g_Nss1,(6Mbps)_2TX	-0.64
VHT20_Nss1,(MCS0)_2TX	0.09
VHT40_Nss1,(MCS0)_2TX	-7.43
VHT20-BF_Nss1,(MCS0)_2TX	0.54
VHT40-BF_Nss1,(MCS0)_2TX	0.38

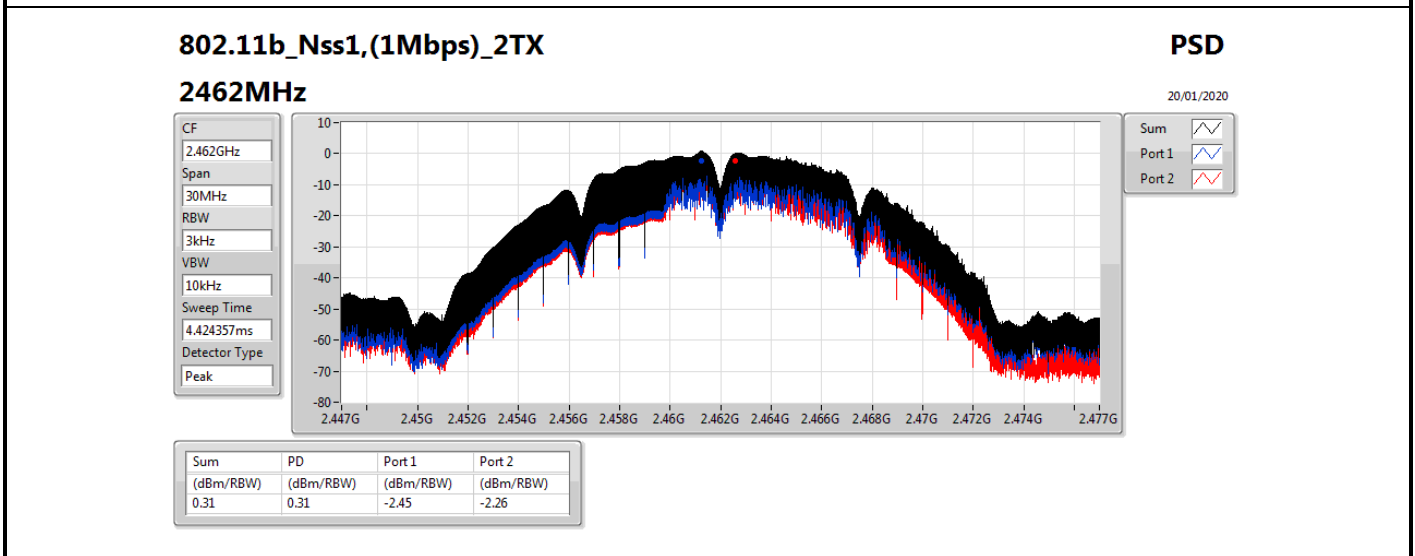
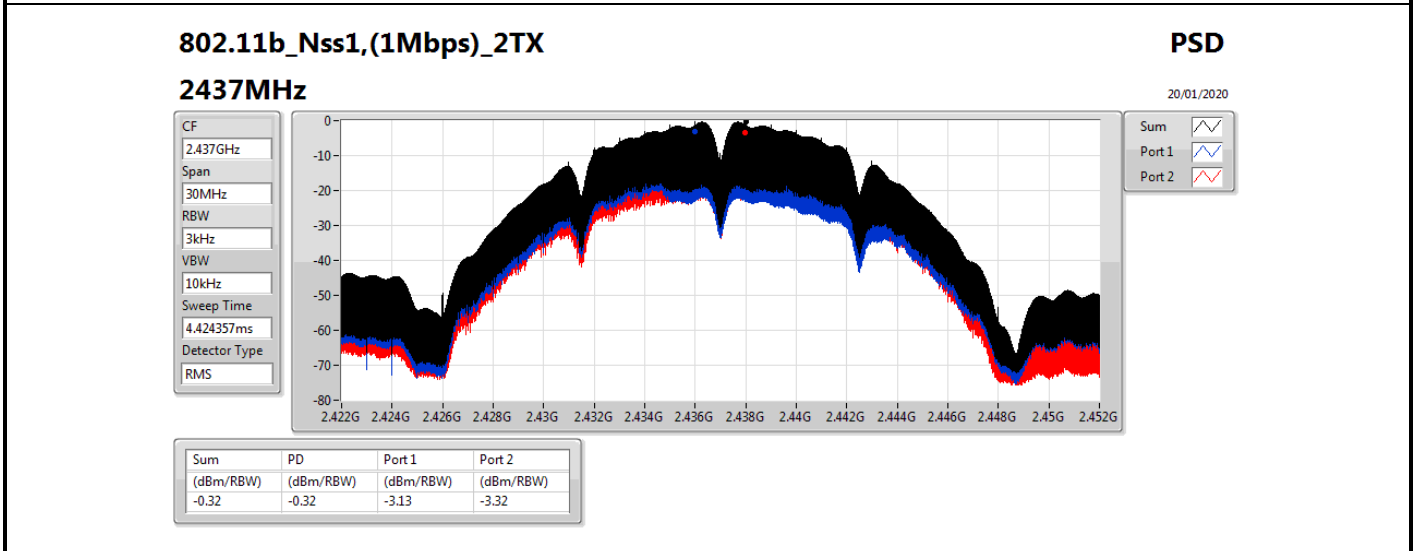
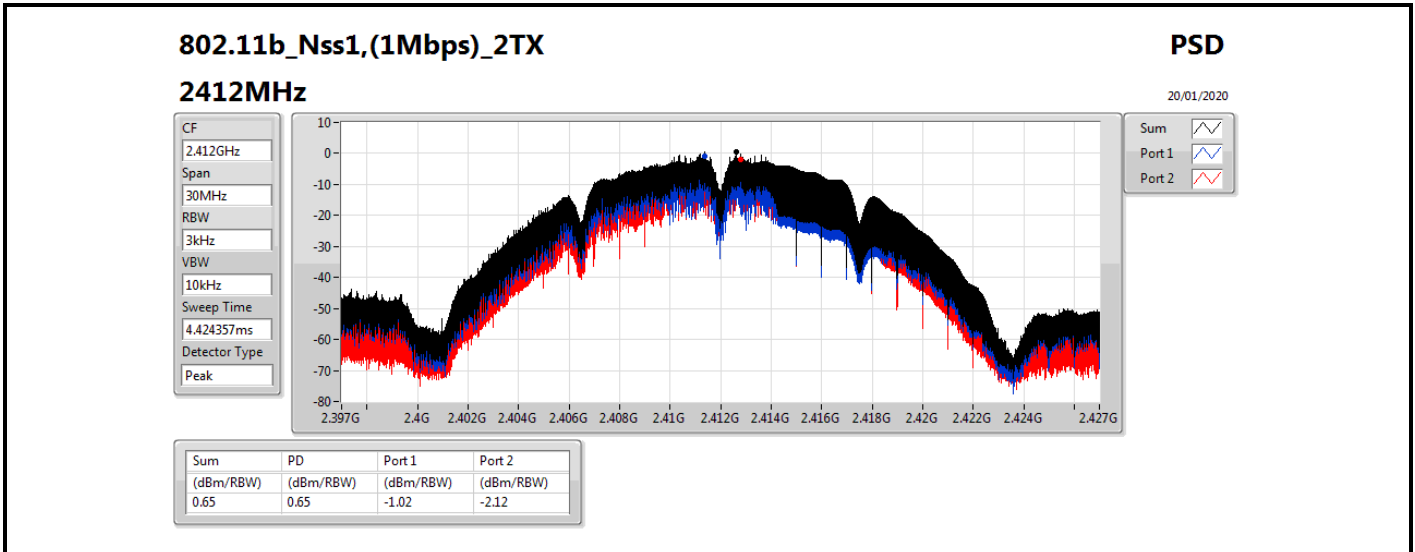
RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

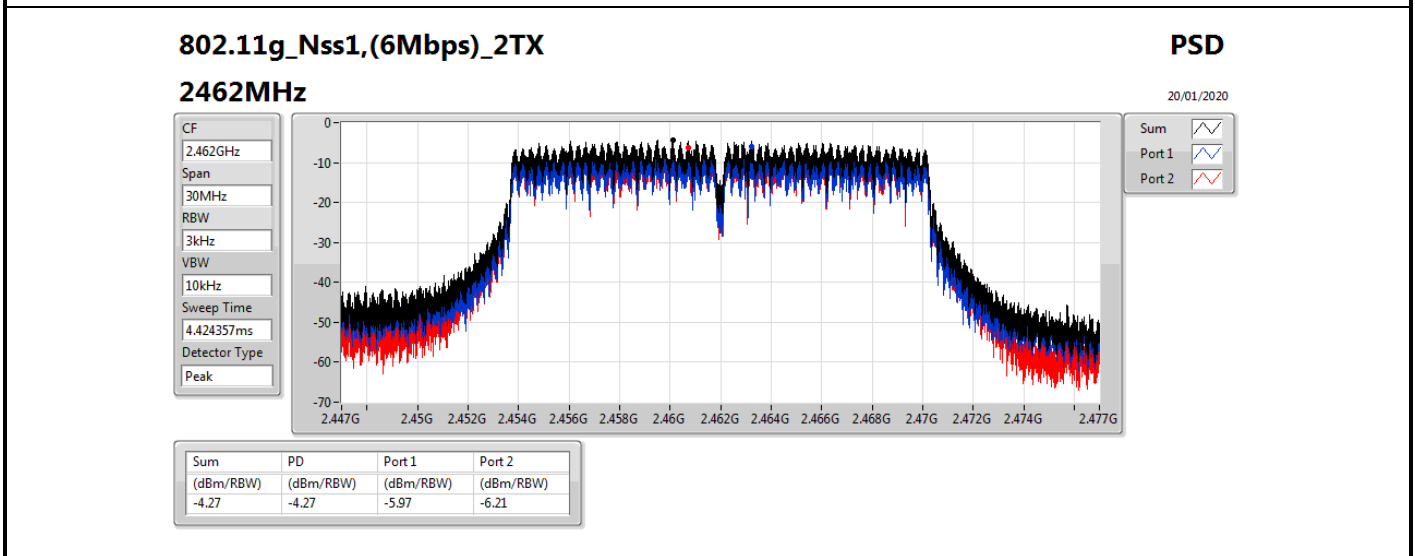
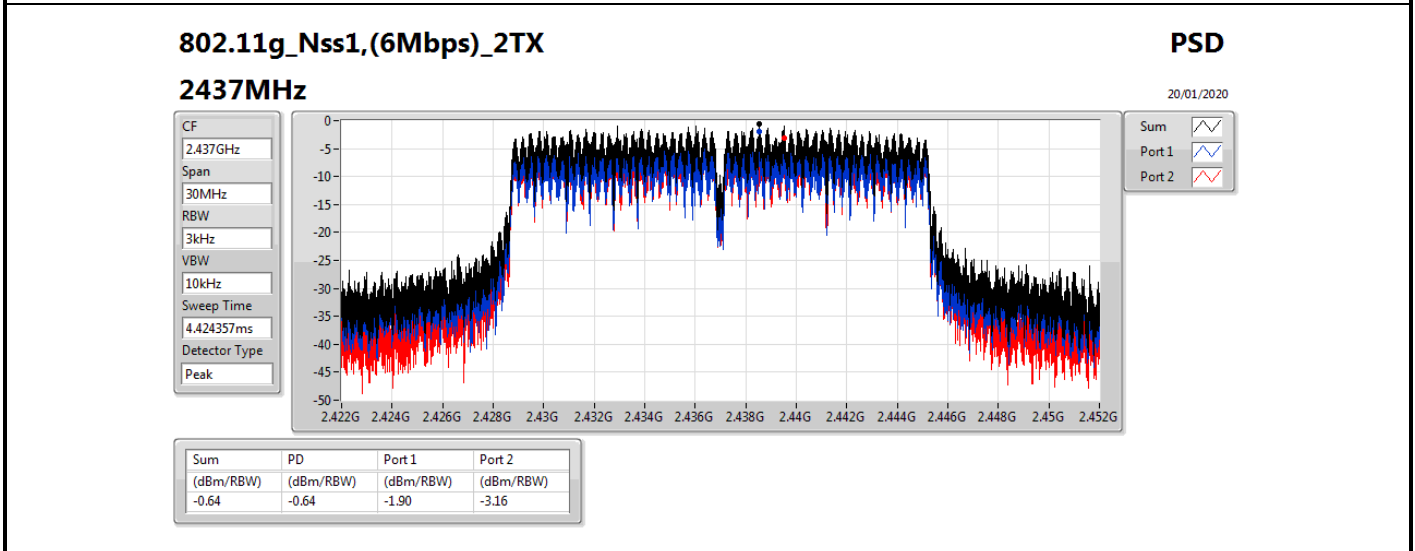
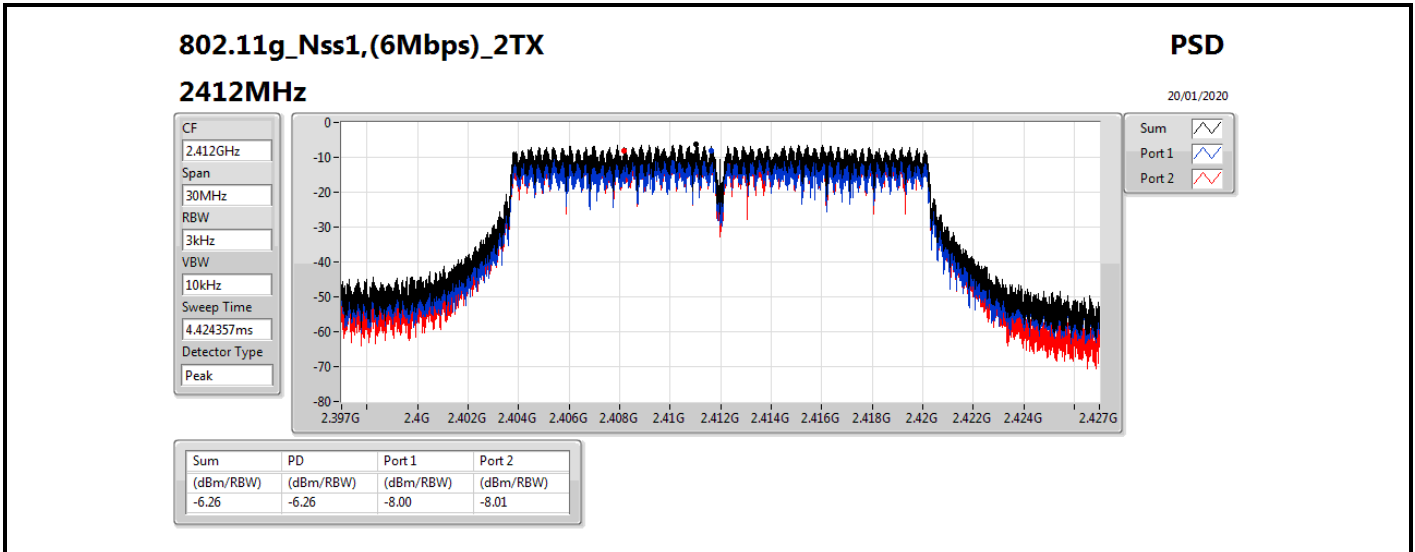
Result

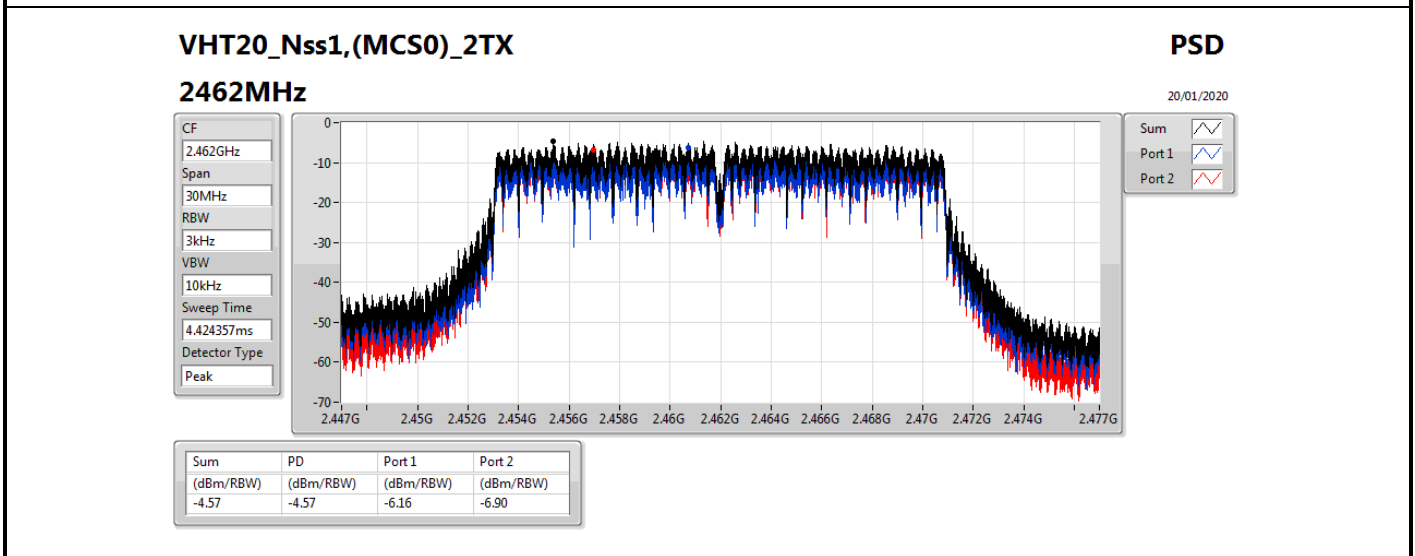
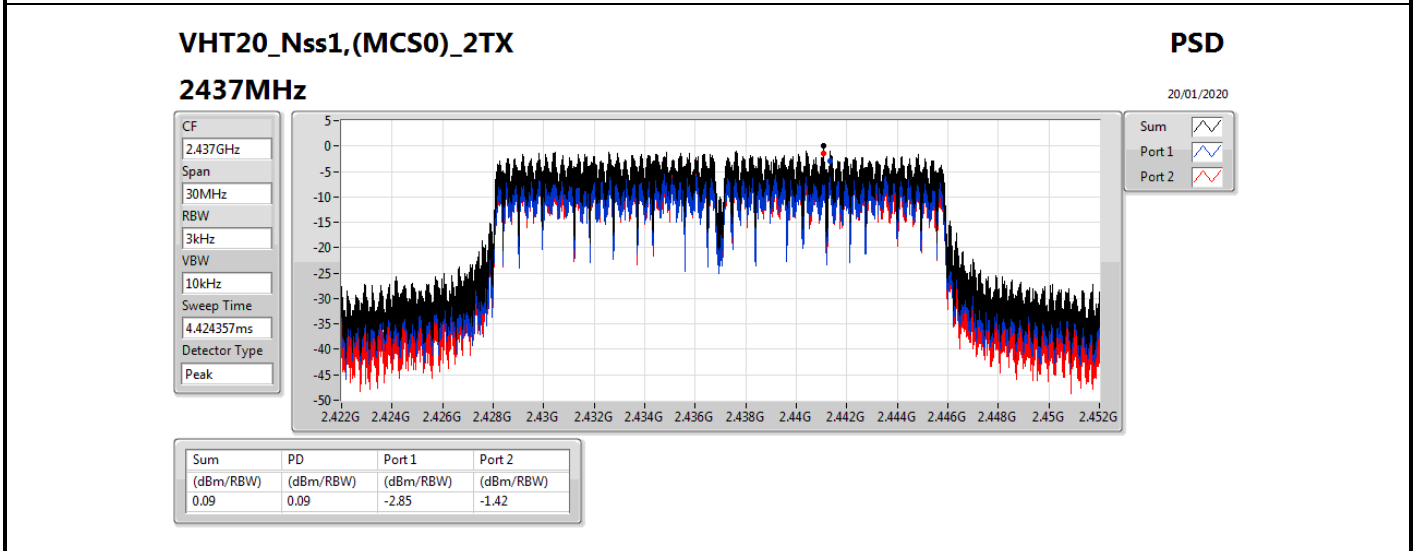
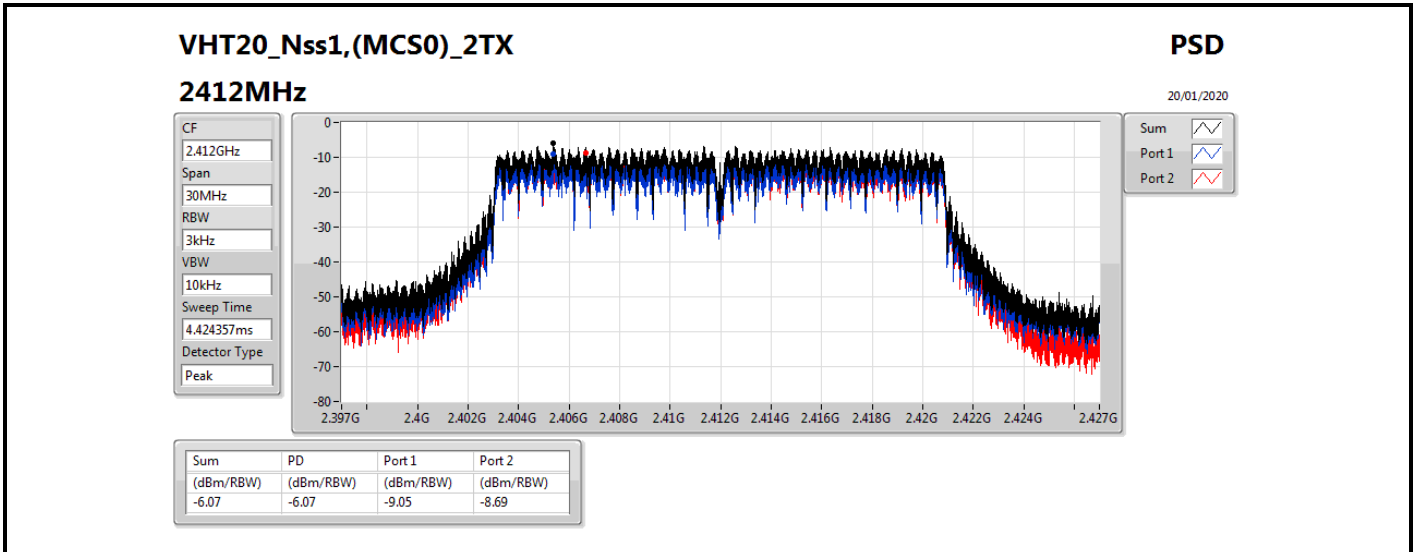
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.37	-1.02	-2.12	0.65	8.00
2437MHz	Pass	4.37	-3.13	-3.32	-0.32	8.00
2462MHz	Pass	4.37	-2.45	-2.26	0.31	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.37	-8.00	-8.01	-6.26	8.00
2437MHz	Pass	4.37	-1.90	-3.16	-0.64	8.00
2462MHz	Pass	4.37	-5.97	-6.21	-4.27	8.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.37	-9.05	-8.69	-6.07	8.00
2437MHz	Pass	4.37	-2.85	-1.42	0.09	8.00
2462MHz	Pass	4.37	-6.16	-6.90	-4.57	8.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.37	-11.18	-10.40	-8.36	8.00
2437MHz	Pass	4.37	-9.10	-9.67	-7.43	8.00
2452MHz	Pass	4.37	-9.36	-10.24	-7.51	8.00
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.37	-4.05	-3.40	-1.54	8.00
2437MHz	Pass	4.37	-3.49	-3.79	-2.05	8.00
2462MHz	Pass	4.37	-1.05	-1.78	0.54	8.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.37	-5.23	-6.22	-4.39	8.00
2437MHz	Pass	4.37	-1.92	-0.53	0.38	8.00
2452MHz	Pass	4.37	-2.03	-3.69	-0.14	8.00

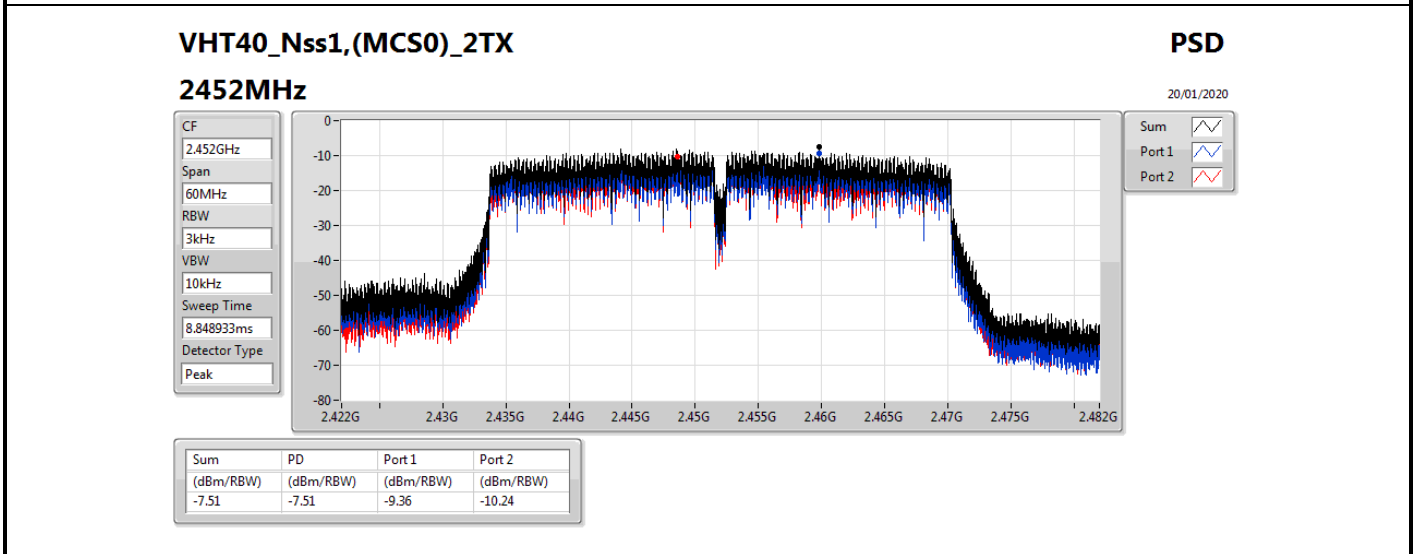
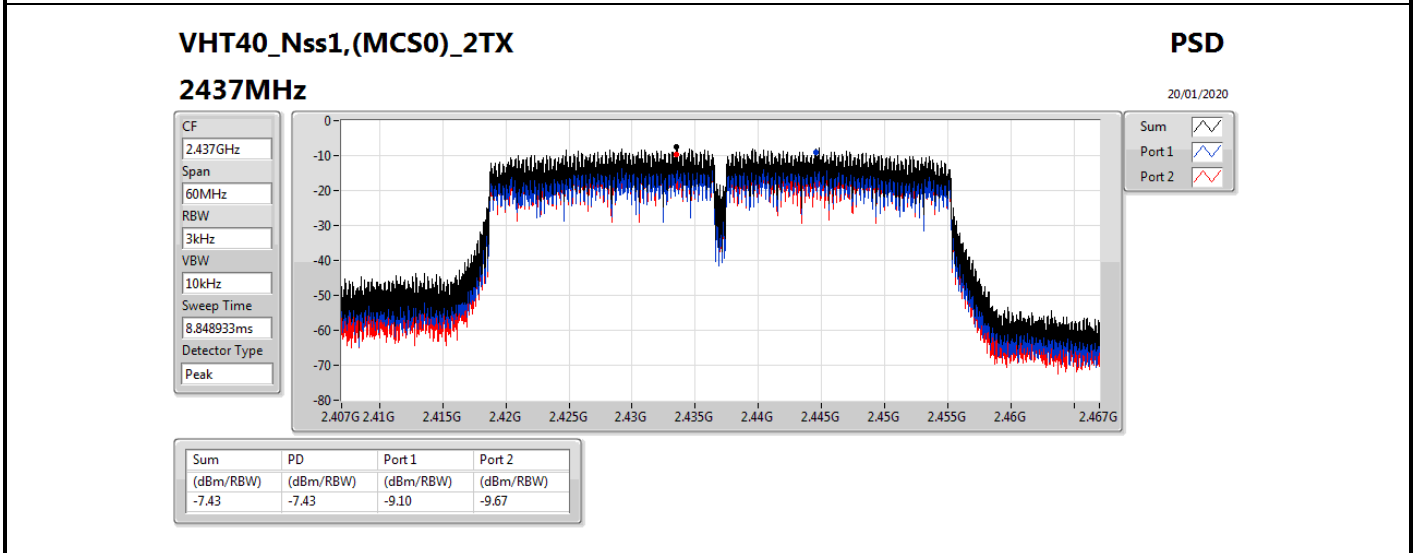
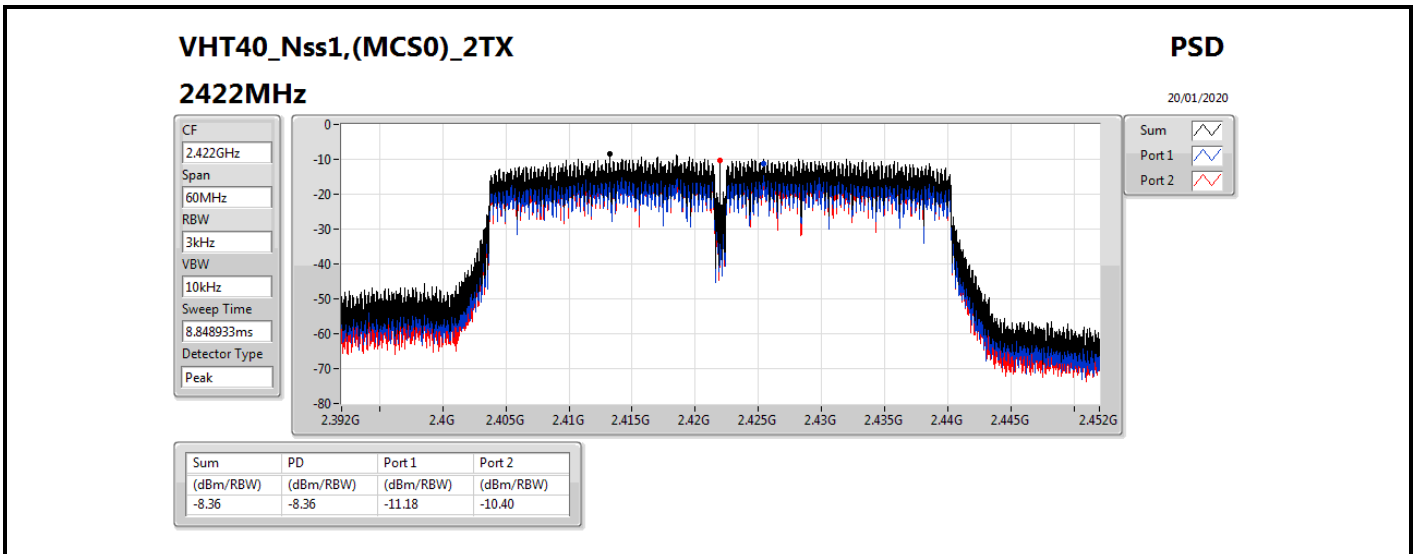
DG = Directional Gain; RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

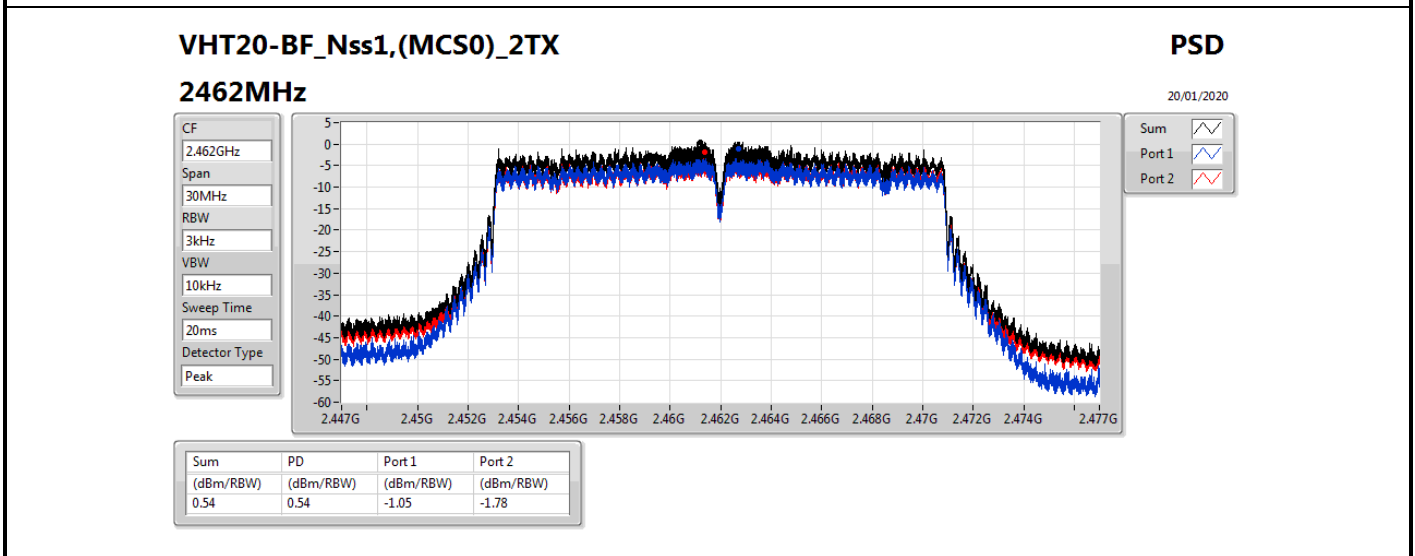
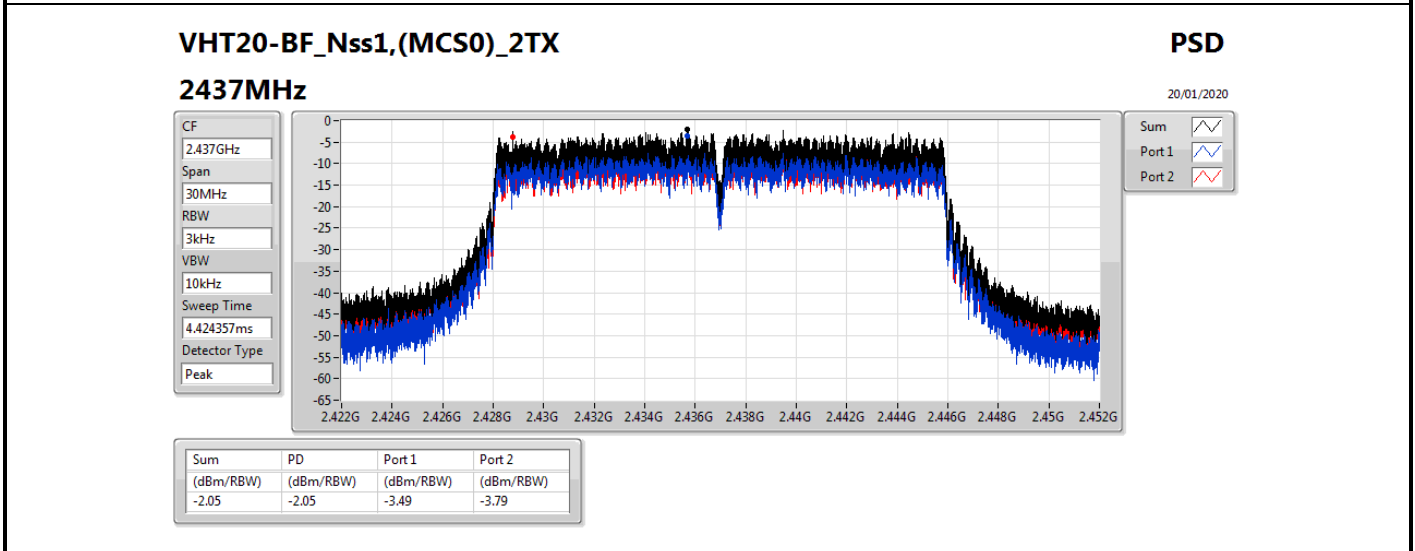
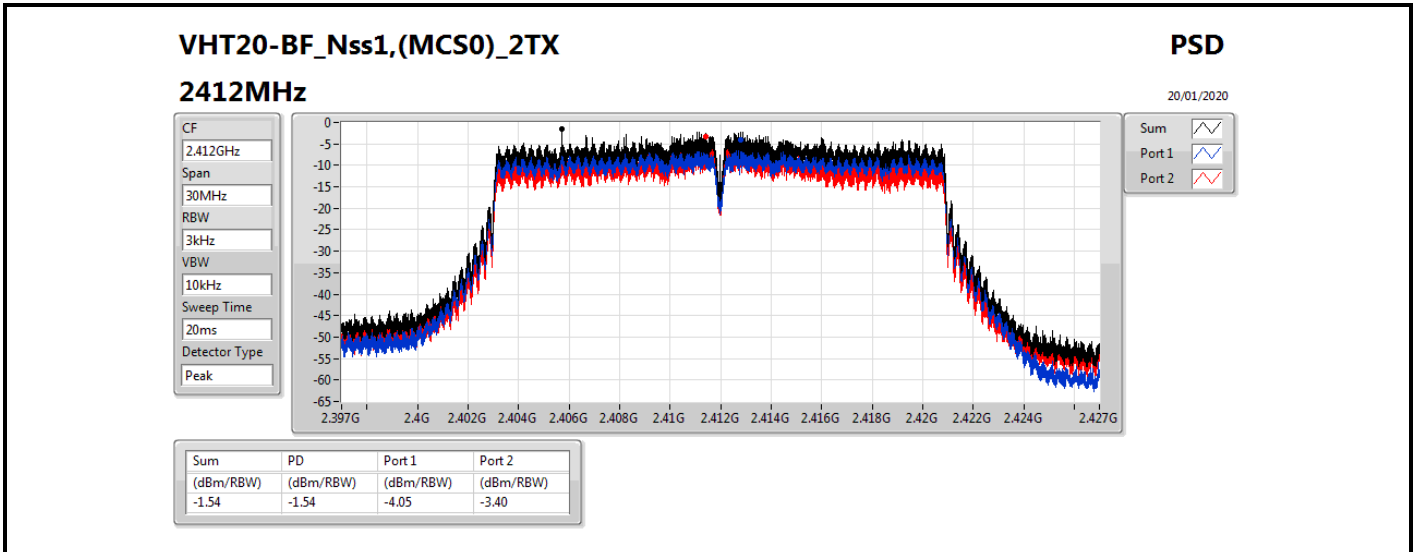
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

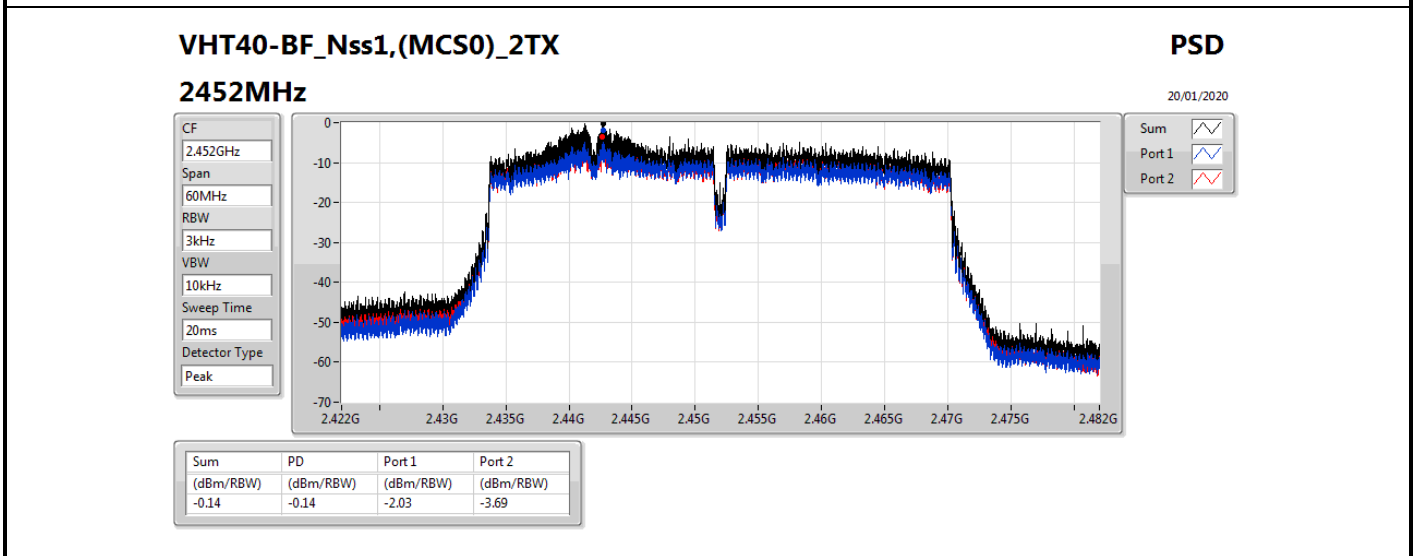
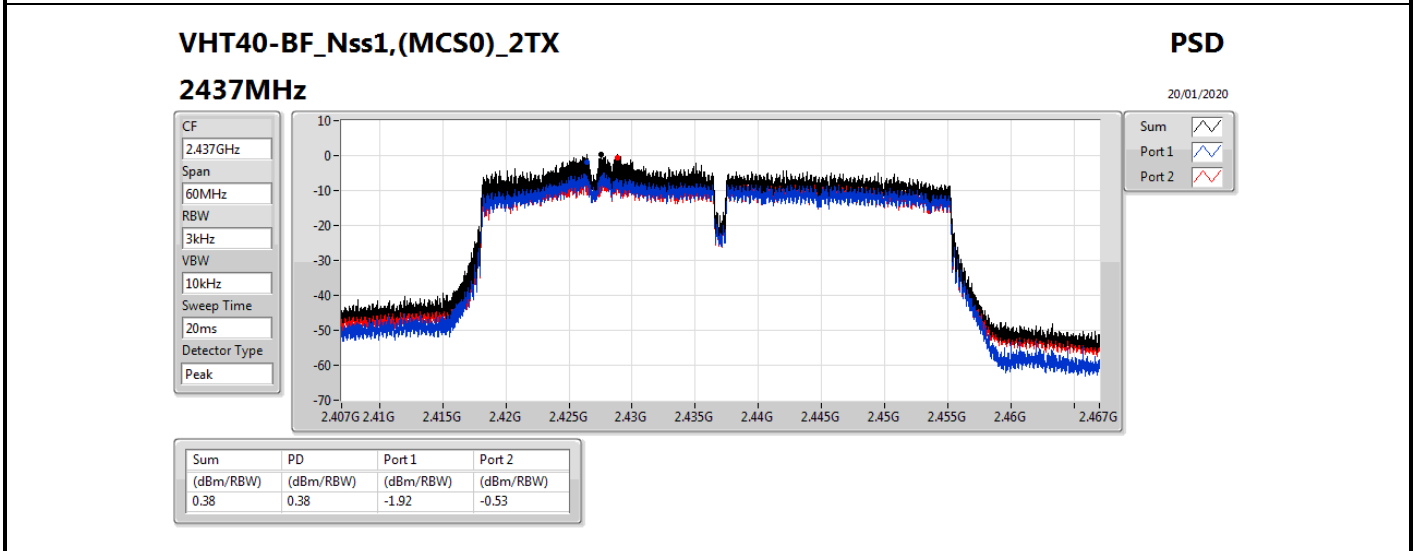
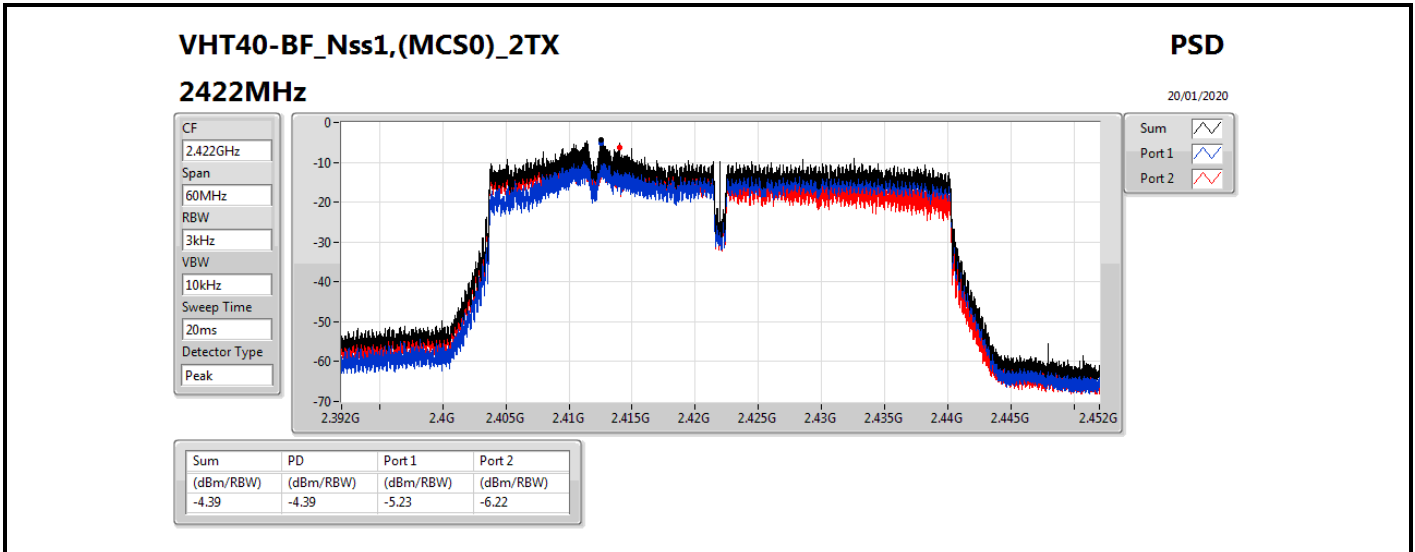














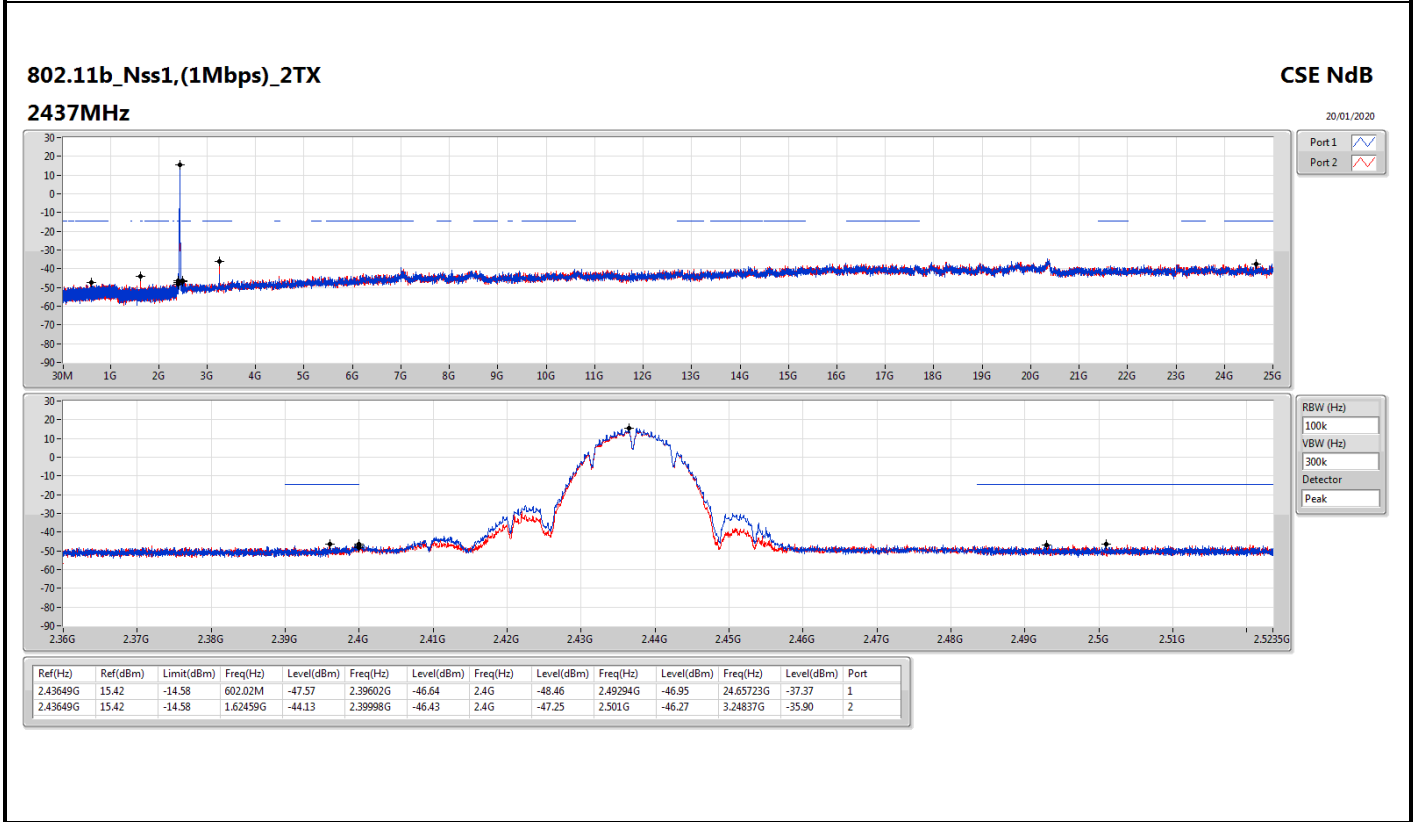
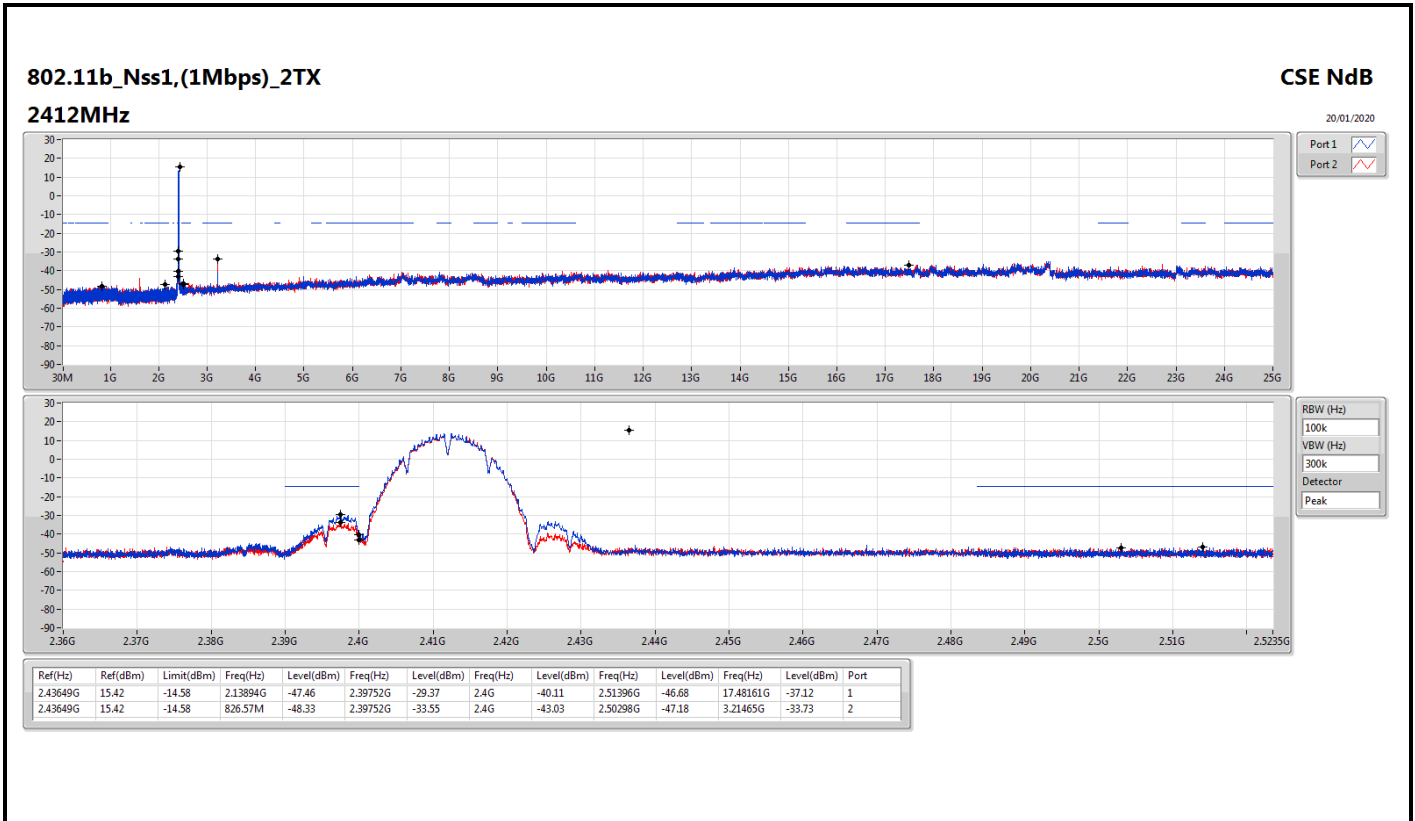
Summary

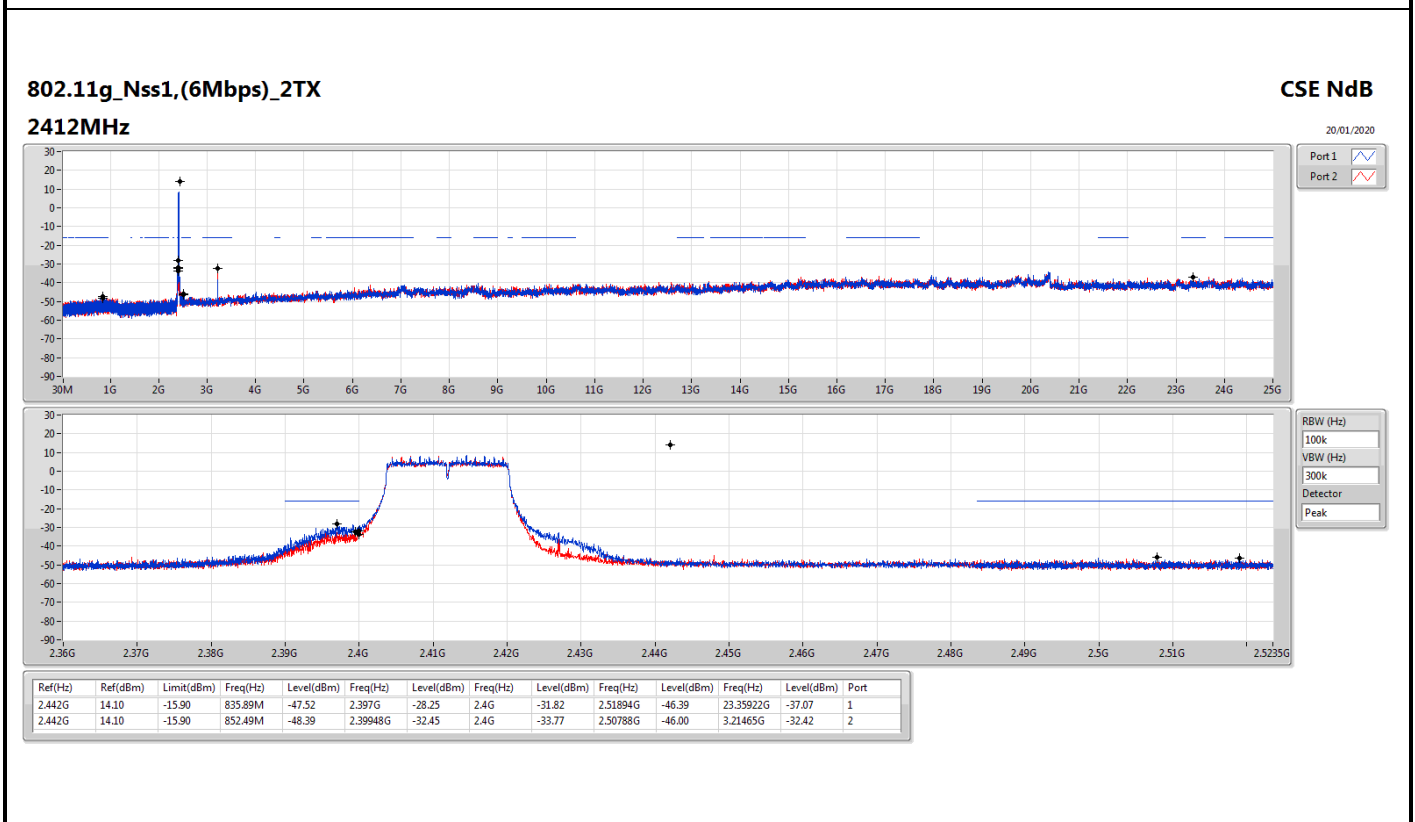
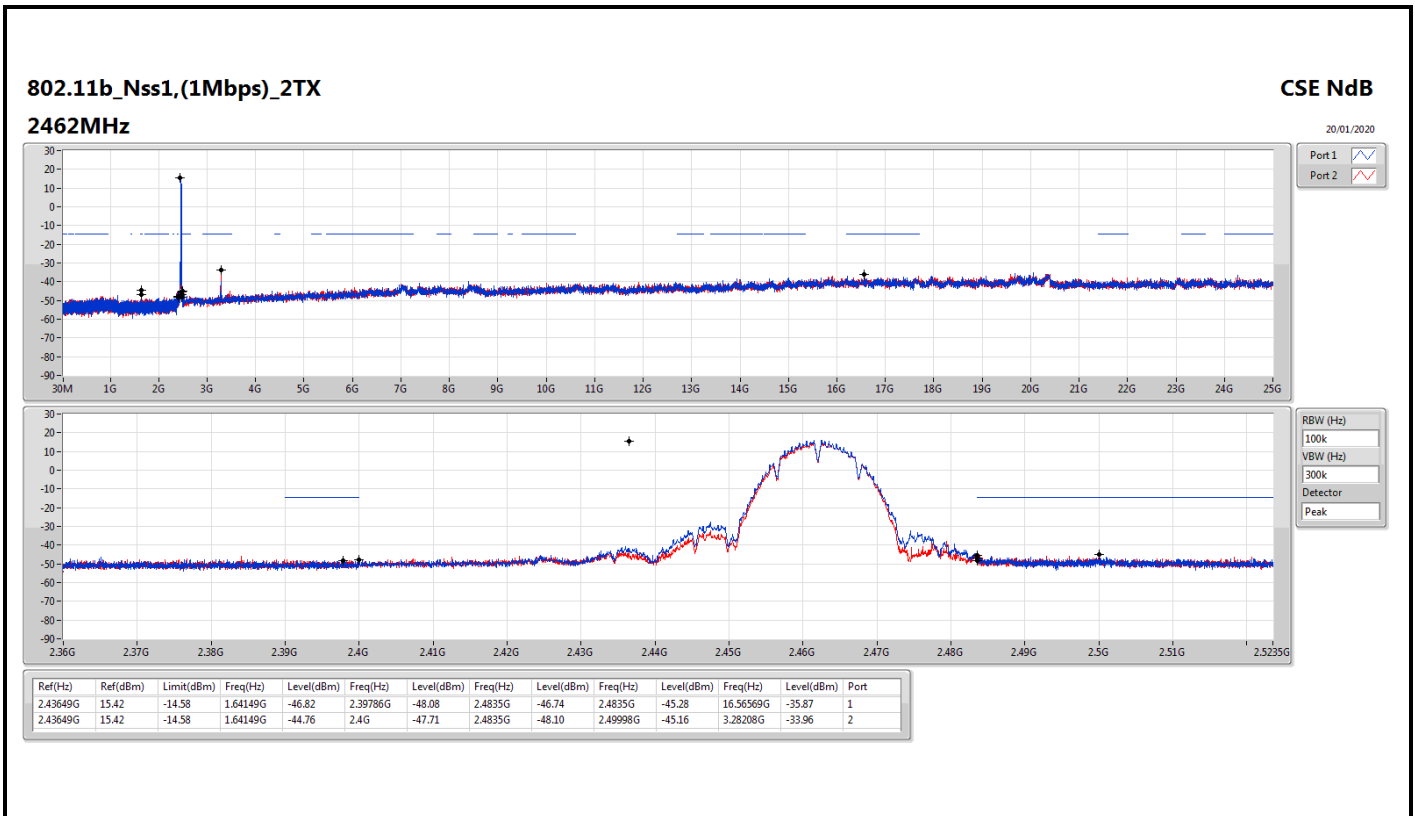
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43649G	15.42	-14.58	2.13894G	-47.46	2.39752G	-29.37	2.4G	-40.11	2.51396G	-46.68	17.48161G	-37.12	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	14.10	-15.90	835.89M	-47.52	2.397G	-28.25	2.4G	-31.82	2.51894G	-46.39	23.35922G	-37.07	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.4395G	13.99	-16.01	913.94M	-47.91	2.39884G	-29.83	2.4G	-33.73	2.52016G	-47.03	17.64457G	-36.49	1
VHT40_Nss1,(MCS0)_2TX	Pass	2.43444G	6.19	-23.81	797.72M	-47.69	2.39448G	-31.70	2.4G	-33.22	2.49358G	-46.88	17.66887G	-37.47	1
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.43198G	11.52	-18.48	358.82M	-47.42	2.3989G	-29.48	2.4G	-33.05	2.48538G	-46.45	16.48984G	-37.25	2
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42893G	11.90	-18.10	1.62813G	-47.98	2.39976G	-31.40	2.4G	-33.26	2.48694G	-41.17	16.3956G	-36.57	2

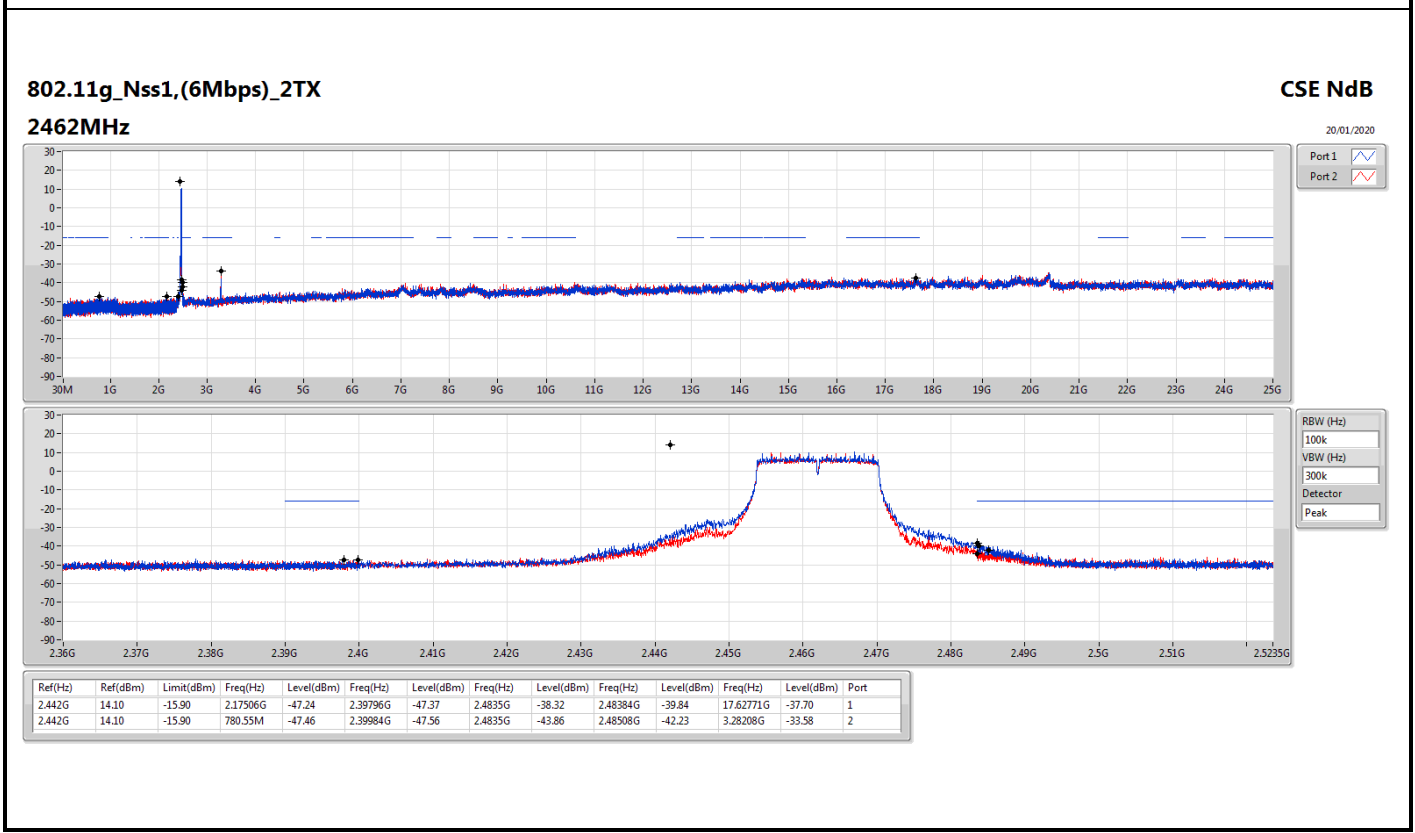
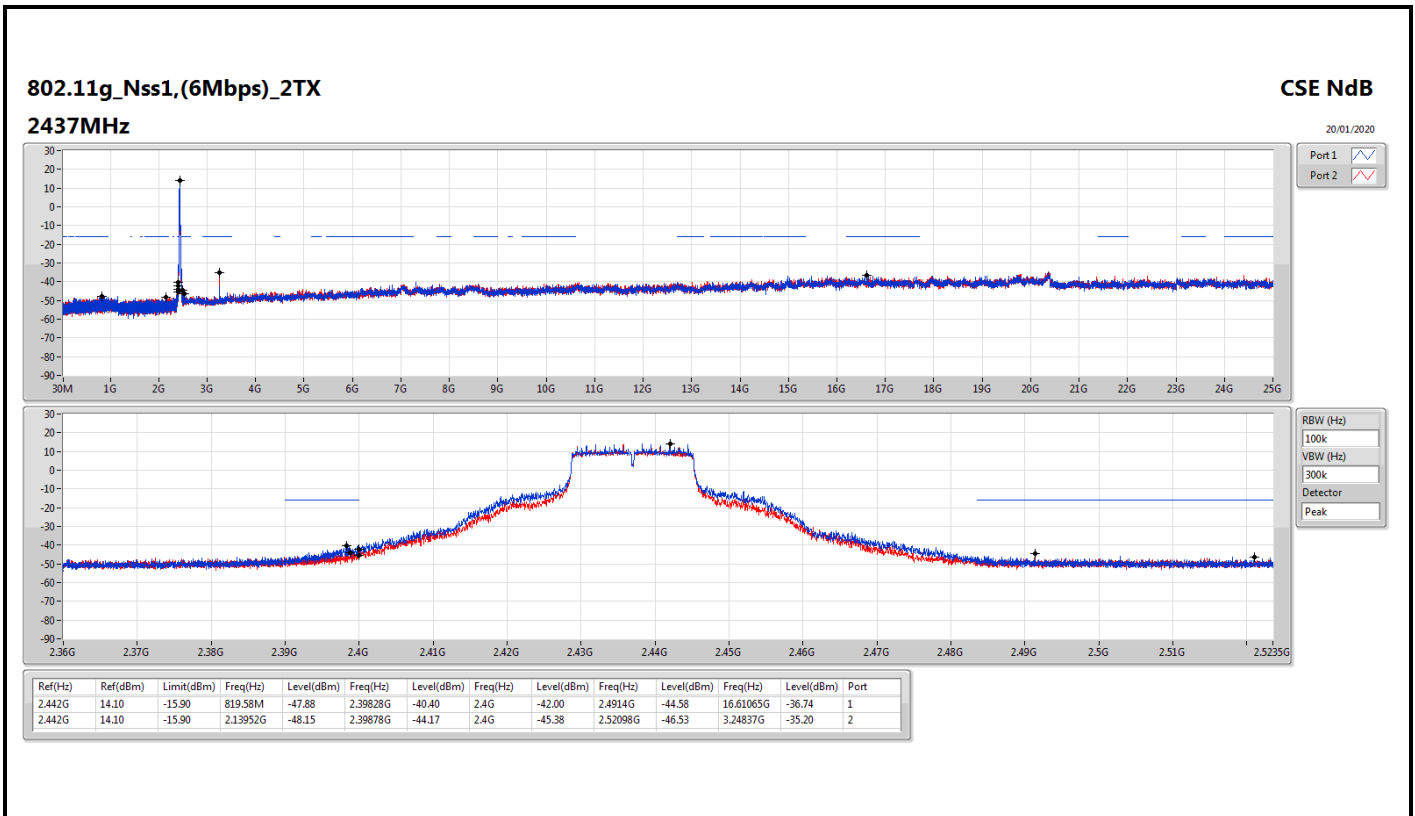


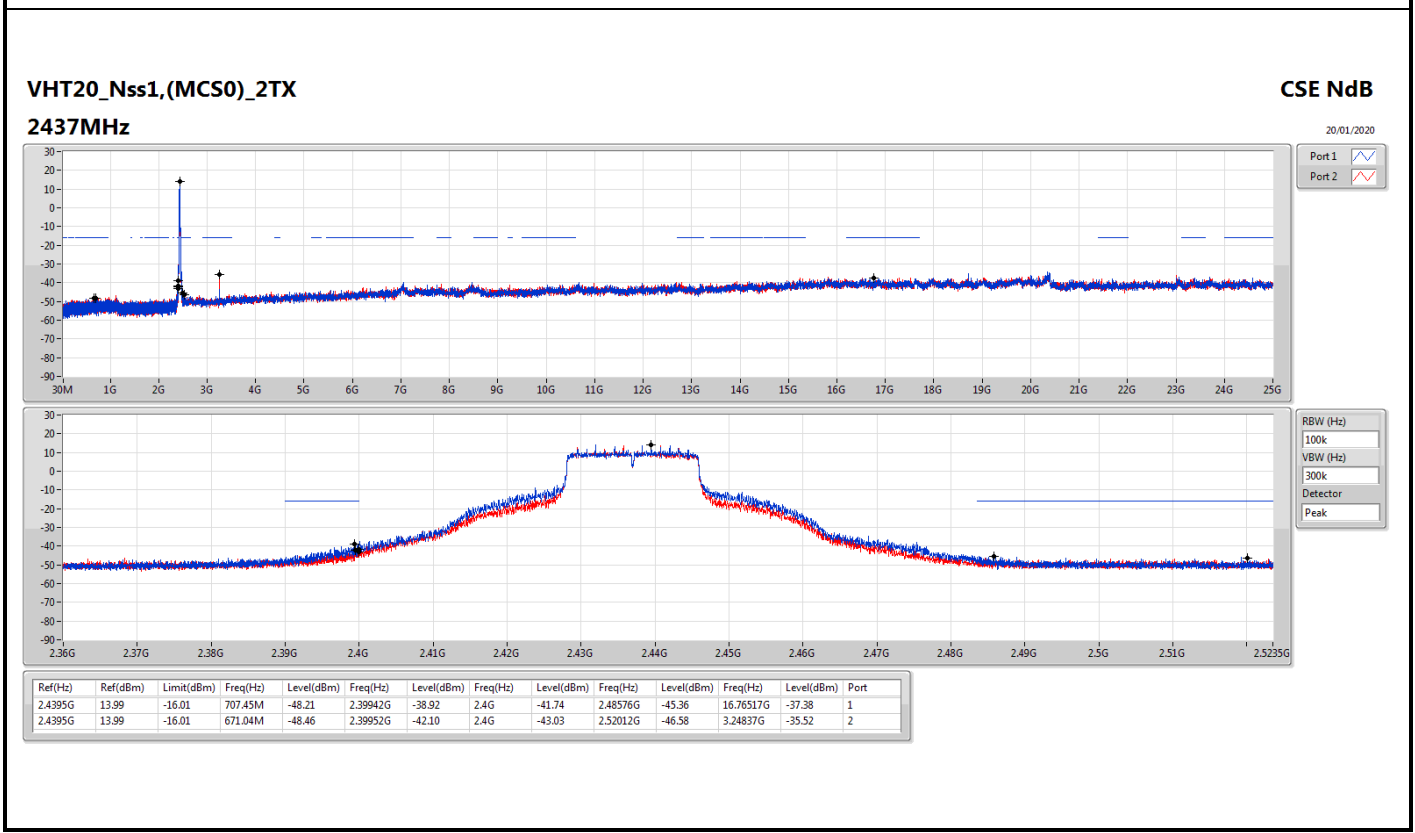
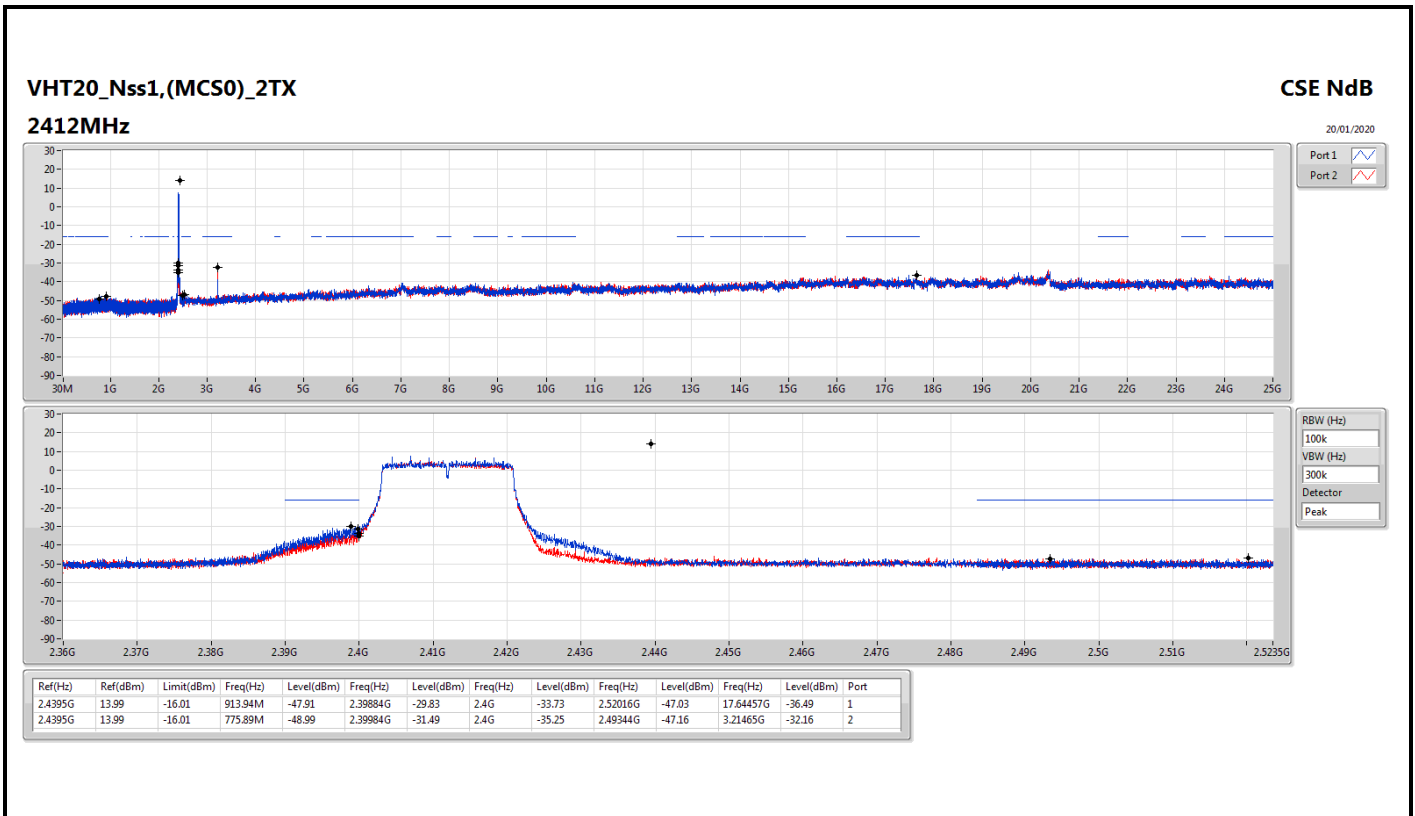
Result

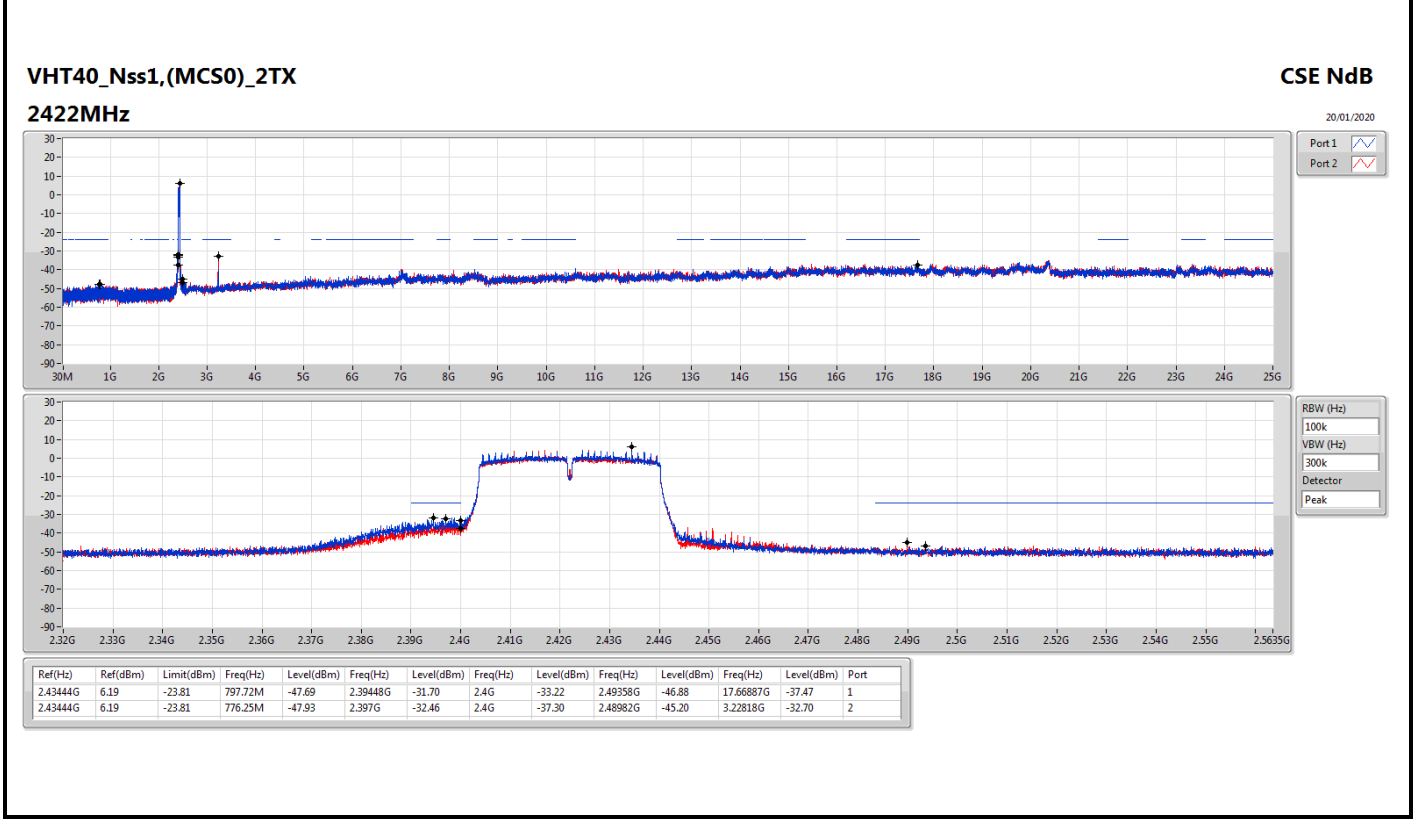
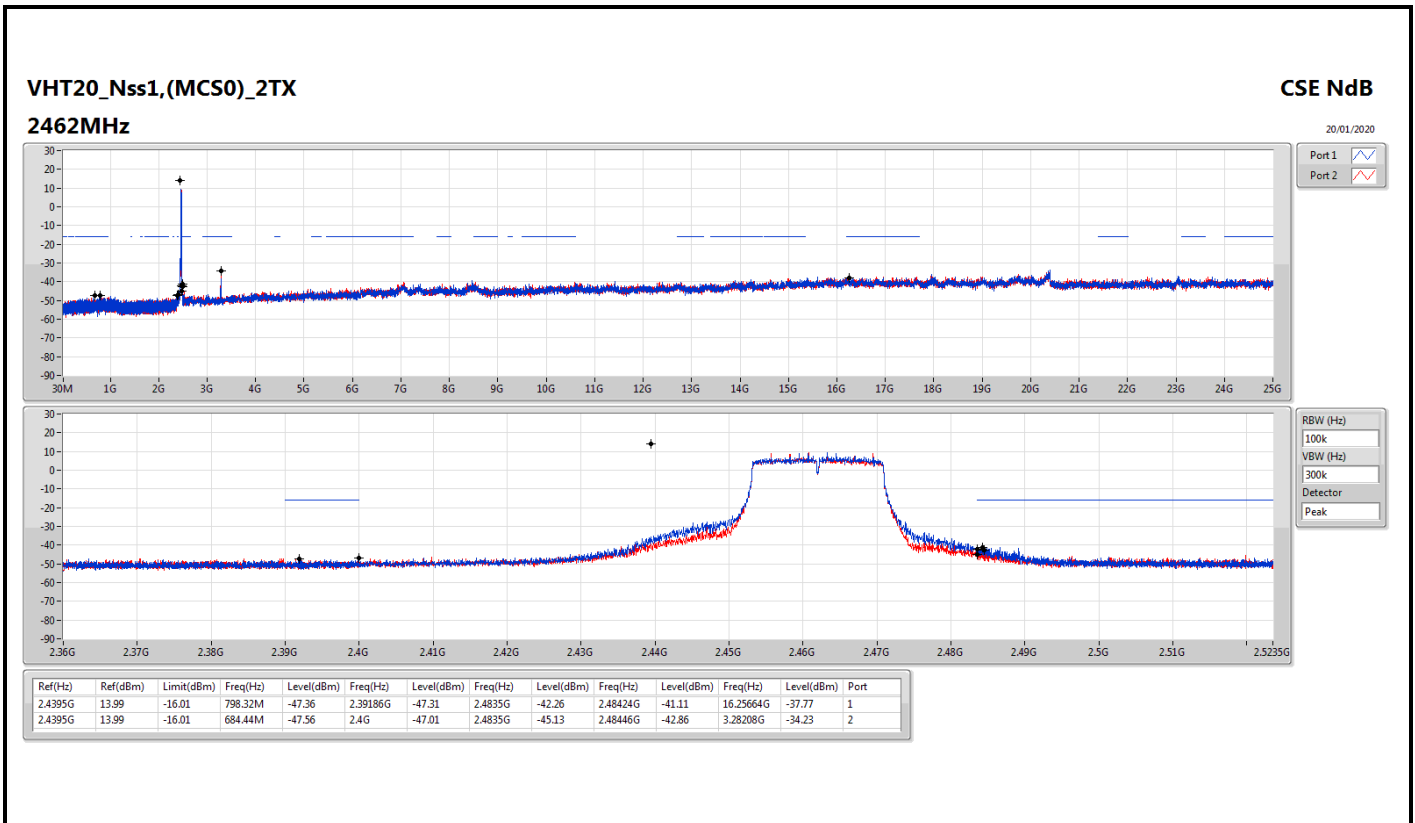
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	15.42	-14.58	2.13894G	-47.46	2.39752G	-29.37	2.4G	-40.11	2.51396G	-46.68	17.48161G	-37.12	1
2412MHz	Pass	2.43649G	15.42	-14.58	826.57M	-48.33	2.39752G	-33.55	2.4G	-43.03	2.50298G	-47.18	3.21465G	-33.73	2
2437MHz	Pass	2.43649G	15.42	-14.58	602.02M	-47.57	2.39602G	-46.64	2.4G	-48.46	2.49294G	-46.95	24.65723G	-37.37	1
2437MHz	Pass	2.43649G	15.42	-14.58	1.62459G	-44.13	2.39998G	-46.43	2.4G	-47.25	2.501G	-46.27	3.24837G	-35.90	2
2462MHz	Pass	2.43649G	15.42	-14.58	1.64149G	-46.82	2.39786G	-48.08	2.4835G	-46.74	2.4835G	-45.28	16.56569G	-35.87	1
2462MHz	Pass	2.43649G	15.42	-14.58	1.64149G	-44.76	2.4G	-47.71	2.4835G	-48.10	2.49998G	-45.16	3.28208G	-33.96	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	14.10	-15.90	835.89M	-47.52	2.397G	-28.25	2.4G	-31.82	2.51894G	-46.39	23.35922G	-37.07	1
2412MHz	Pass	2.442G	14.10	-15.90	852.49M	-48.39	2.39948G	-32.45	2.4G	-33.77	2.50788G	-46.00	3.21465G	-32.42	2
2437MHz	Pass	2.442G	14.10	-15.90	819.58M	-47.88	2.39828G	-40.40	2.4G	-42.00	2.4914G	-44.58	16.61065G	-36.74	1
2437MHz	Pass	2.442G	14.10	-15.90	2.13952G	-48.15	2.39878G	-44.17	2.4G	-45.38	2.52098G	-46.53	3.24837G	-35.20	2
2462MHz	Pass	2.442G	14.10	-15.90	2.17506G	-47.24	2.39796G	-47.37	2.4835G	-38.32	2.48384G	-39.84	17.62771G	-37.70	1
2462MHz	Pass	2.442G	14.10	-15.90	780.55M	-47.46	2.39984G	-47.56	2.4835G	-43.86	2.48508G	-42.23	3.28208G	-33.58	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	13.99	-16.01	913.94M	-47.91	2.39884G	-29.83	2.4G	-33.73	2.52016G	-47.03	17.64457G	-36.49	1
2412MHz	Pass	2.4395G	13.99	-16.01	775.89M	-48.99	2.39984G	-31.49	2.4G	-35.25	2.49344G	-47.16	3.21465G	-32.16	2
2437MHz	Pass	2.4395G	13.99	-16.01	707.45M	-48.21	2.39942G	-38.92	2.4G	-41.74	2.48576G	-45.36	16.76517G	-37.38	1
2437MHz	Pass	2.4395G	13.99	-16.01	671.04M	-48.46	2.39952G	-42.10	2.4G	-43.03	2.52012G	-46.58	3.24837G	-35.52	2
2462MHz	Pass	2.4395G	13.99	-16.01	798.32M	-47.36	2.39186G	-47.31	2.4835G	-42.26	2.48424G	-41.11	16.25664G	-37.77	1
2462MHz	Pass	2.4395G	13.99	-16.01	684.44M	-47.56	2.4G	-47.01	2.4835G	-45.13	2.48446G	-42.86	3.28208G	-34.23	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43444G	6.19	-23.81	797.72M	-47.69	2.39448G	-31.70	2.4G	-33.22	2.49358G	-46.88	17.66887G	-37.47	1
2422MHz	Pass	2.43444G	6.19	-23.81	776.25M	-47.93	2.397G	-32.46	2.4G	-37.30	2.48982G	-45.20	3.22818G	-32.70	2
2437MHz	Pass	2.43444G	6.19	-23.81	697.25M	-48.40	2.39976G	-34.93	2.4G	-37.88	2.48378G	-45.51	24.03523G	-37.51	1
2437MHz	Pass	2.43444G	6.19	-23.81	2.1577G	-48.29	2.39888G	-38.72	2.4G	-41.02	2.48378G	-46.10	3.24781G	-33.83	2
2452MHz	Pass	2.43444G	6.19	-23.81	769.38M	-48.40	2.39956G	-45.90	2.4835G	-45.52	2.48442G	-40.35	23.35653G	-37.86	1
2452MHz	Pass	2.43444G	6.19	-23.81	212.06M	-48.26	2.4G	-46.42	2.4835G	-42.93	2.48442G	-37.10	3.26745G	-34.79	2
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	11.52	-18.48	1.81595G	-48.30	2.39988G	-32.65	2.4G	-34.25	2.49458G	-46.50	3.21465G	-31.47	1
2412MHz	Pass	2.43198G	11.52	-18.48	358.82M	-47.42	2.3989G	-29.48	2.4G	-33.05	2.48538G	-46.45	16.48984G	-37.25	2
2437MHz	Pass	2.43198G	11.52	-18.48	877.25M	-47.85	2.3948G	-46.25	2.4G	-48.37	2.49466G	-46.08	3.24837G	-34.17	1
2437MHz	Pass	2.43198G	11.52	-18.48	828.9M	-47.85	2.39852G	-45.42	2.4G	-48.20	2.49804G	-46.69	17.22313G	-37.40	2
2462MHz	Pass	2.43198G	11.52	-18.48	819.58M	-48.19	2.39996G	-46.52	2.4835G	-42.38	2.4836G	-41.56	3.28208G	-32.92	1
2462MHz	Pass	2.43198G	11.52	-18.48	751.43M	-47.86	2.39928G	-47.72	2.4835G	-39.78	2.48354G	-38.81	16.49545G	-37.11	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42893G	11.90	-18.10	766.52M	-47.65	2.39076G	-35.59	2.4G	-44.78	2.55734G	-46.54	3.22818G	-32.24	1
2422MHz	Pass	2.42893G	11.90	-18.10	544.11M	-48.15	2.39952G	-38.02	2.4G	-38.89	2.52066G	-47.18	17.61559G	-37.56	2
2437MHz	Pass	2.42893G	11.90	-18.10	713.57M	-48.21	2.39948G	-35.66	2.4G	-35.59	2.4895G	-43.86	3.24781G	-33.55	1
2437MHz	Pass	2.42893G	11.90	-18.10	1.62813G	-47.98	2.39976G	-31.40	2.4G	-33.26	2.48694G	-41.17	16.3956G	-36.57	2
2452MHz	Pass	2.42893G	11.90	-18.10	776.25M	-48.19	2.39576G	-41.57	2.4835G	-44.36	2.48446G	-33.33	3.26745G	-34.75	1
2452MHz	Pass	2.42893G	11.90	-18.10	907.64M	-46.44	2.39824G	-40.94	2.4835G	-44.09	2.48826G	-40.94	24.37178G	-37.40	2

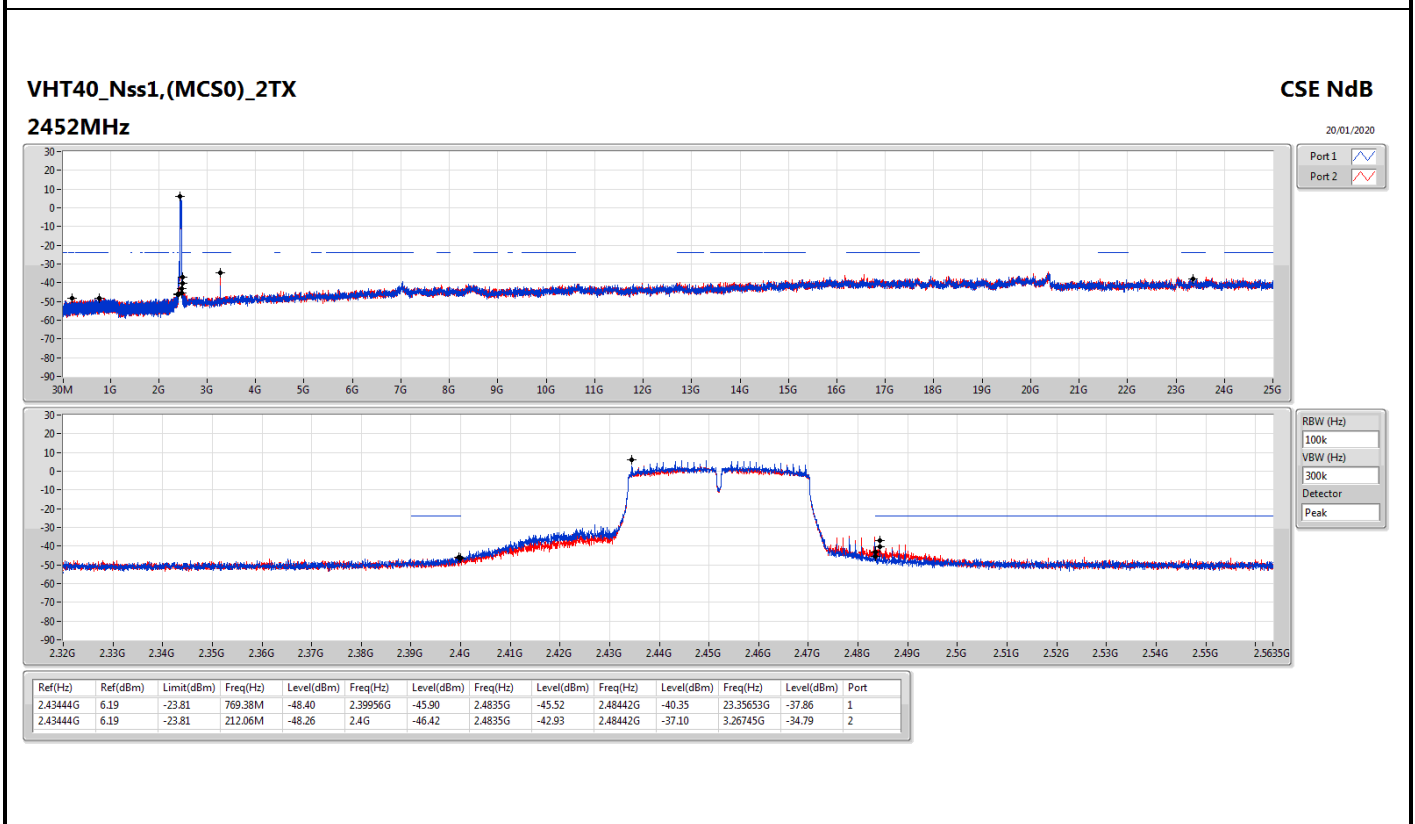
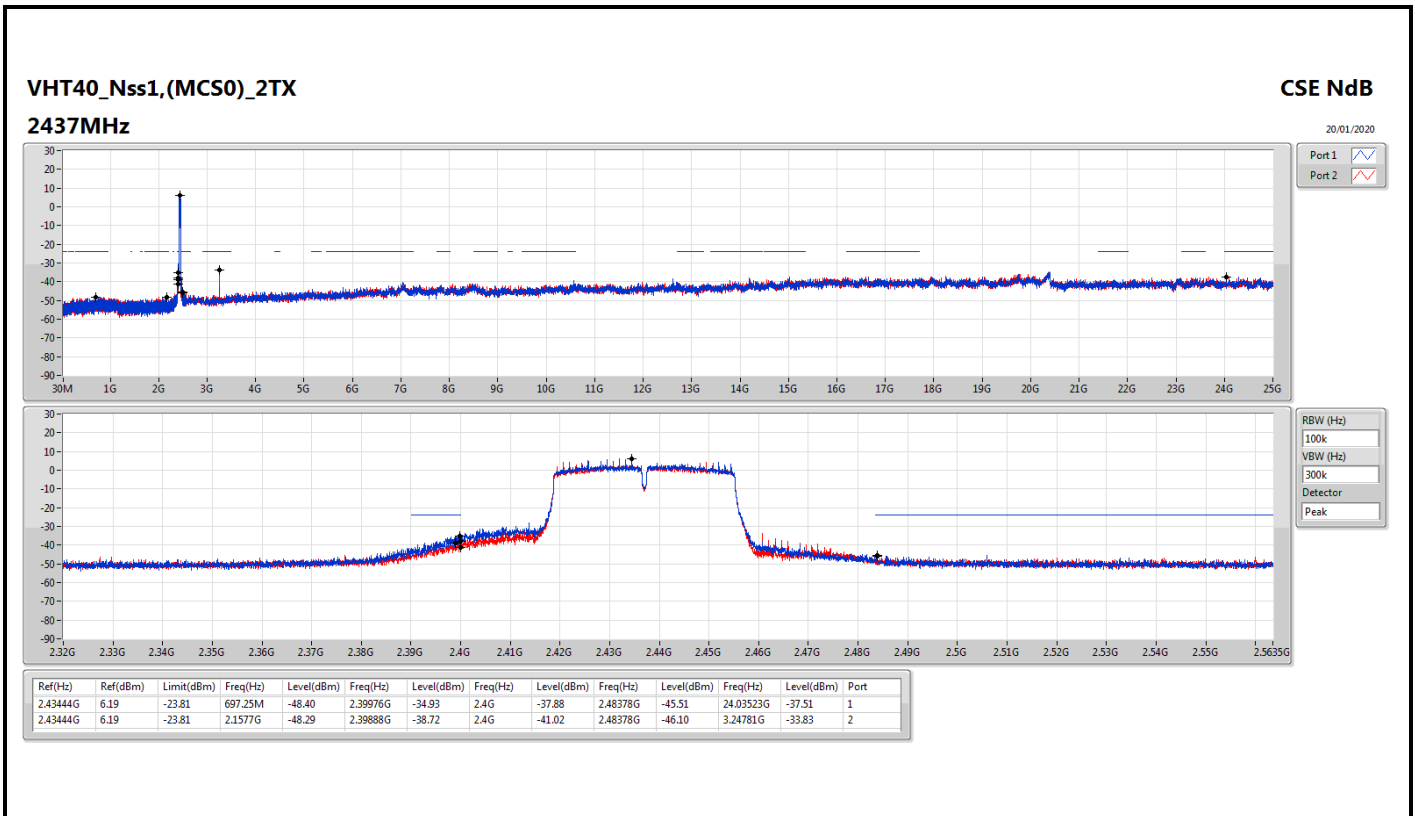








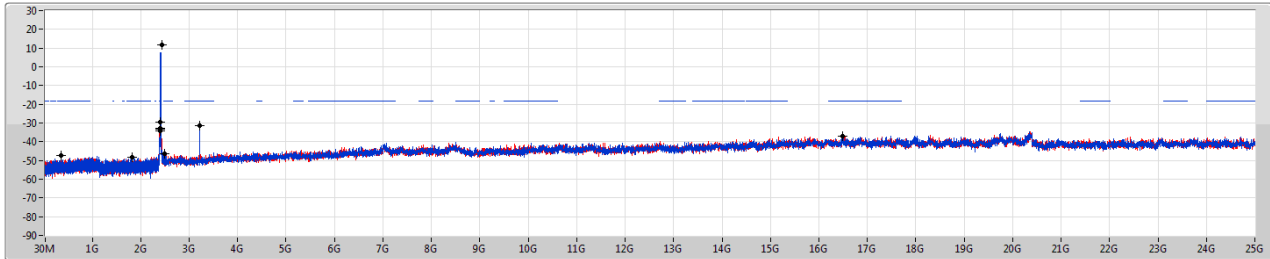




VHT20-BF_Nss1,(MCS0)_2TX
2412MHz

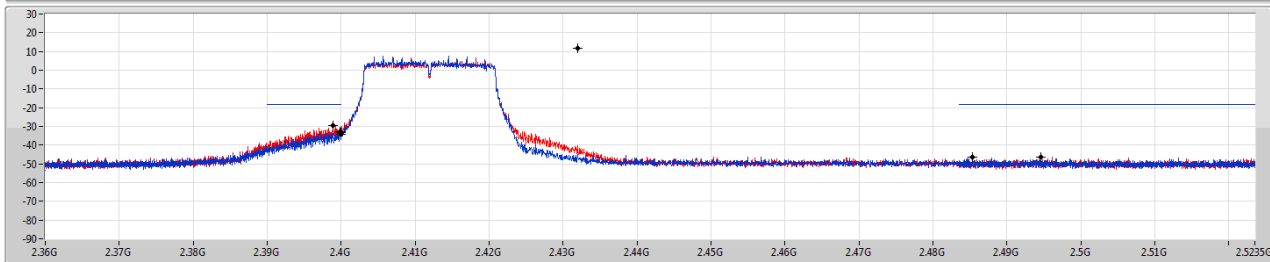
CSE NdB

20/01/2020



Port 1

Port 2



RBW (Hz)

VBW (Hz)

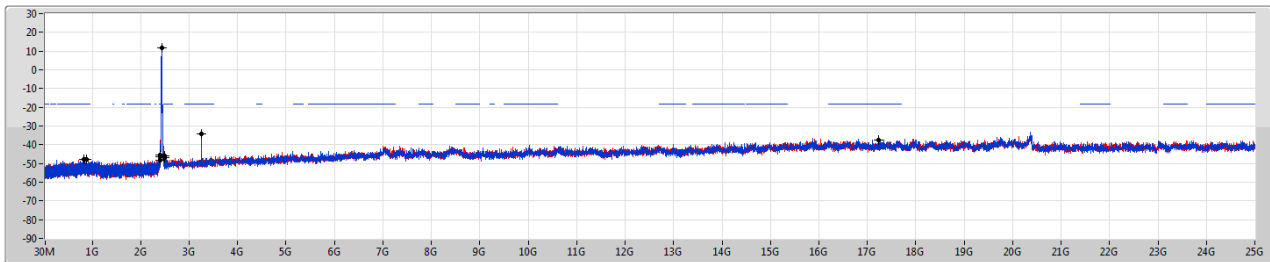
Detector

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	11.52	-18.48	1.81595G	-48.30	2.39988G	-32.65	2.4G	-34.25	2.49458G	-46.50	3.21465G	-31.47	1
2.43198G	11.52	-18.48	358.82M	-47.42	2.3989G	-29.48	2.4G	-33.05	2.48538G	-46.45	16.48984G	-37.25	2

VHT20-BF_Nss1,(MCS0)_2TX
2437MHz

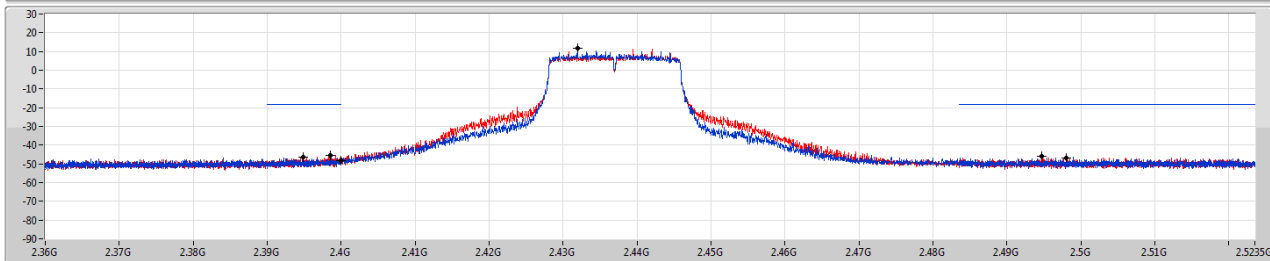
CSE NdB

20/01/2020



Port 1

Port 2



RBW (Hz)

VBW (Hz)

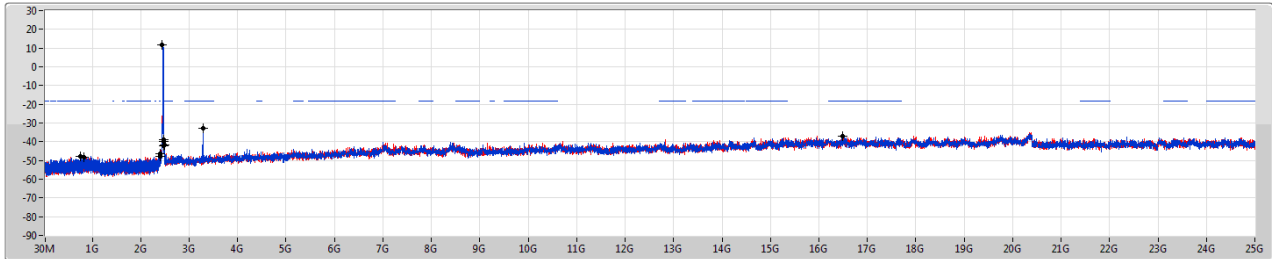
Detector

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	11.52	-18.48	877.25M	-47.85	2.3948G	-46.25	2.4G	-48.37	2.49466G	-46.08	3.24837G	-34.17	1
2.43198G	11.52	-18.48	828.9M	-47.85	2.39852G	-45.42	2.4G	-48.20	2.49804G	-46.69	17.22313G	-37.40	2

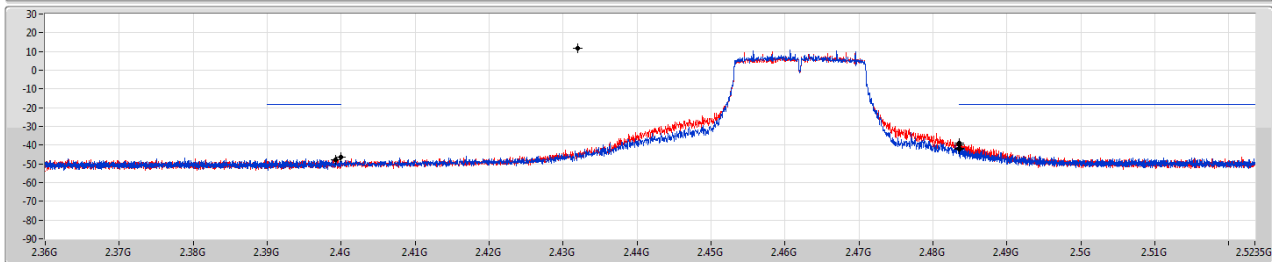
VHT20-BF_Nss1,(MCS0)_2TX
2462MHz

CSE NdB

20/01/2020



Port 1 
Port 2 



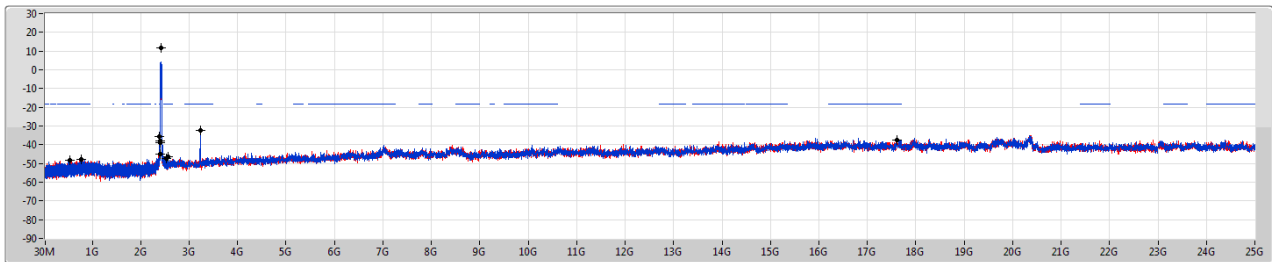
RBW (Hz)
VBW (Hz)
Detector

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	11.52	-18.48	819.58M	-48.19	2.39996G	-46.52	2.4835G	-42.38	2.4836G	-41.56	3.28208G	-32.92	1
2.43198G	11.52	-18.48	751.43M	-47.86	2.39928G	-47.72	2.4835G	-39.78	2.48354G	-38.81	16.49545G	-37.11	2

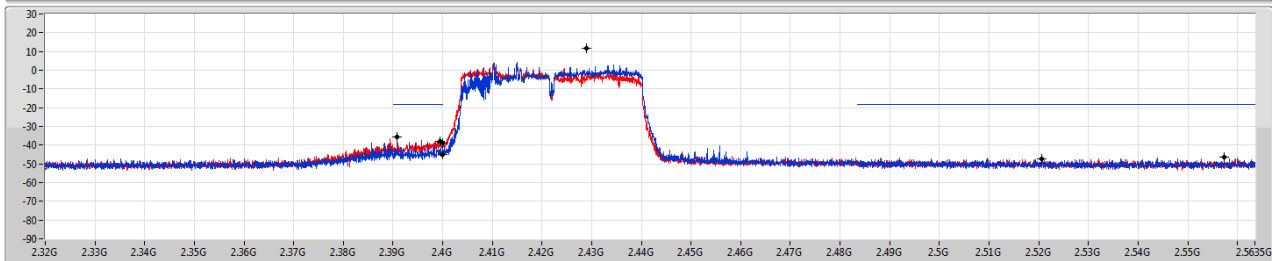
VHT40-BF_Nss1,(MCS0)_2TX
2422MHz

CSE NdB

20/01/2020

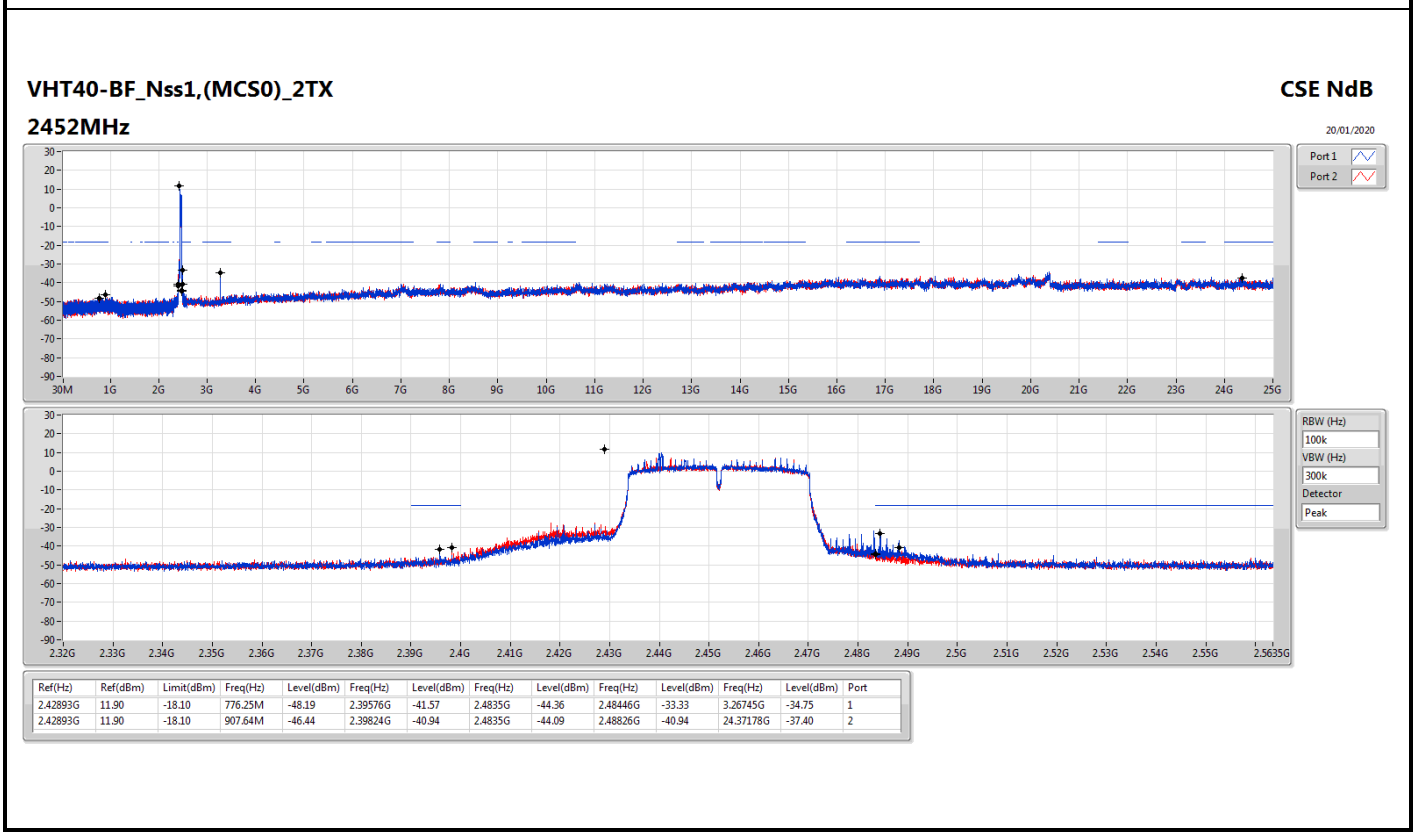
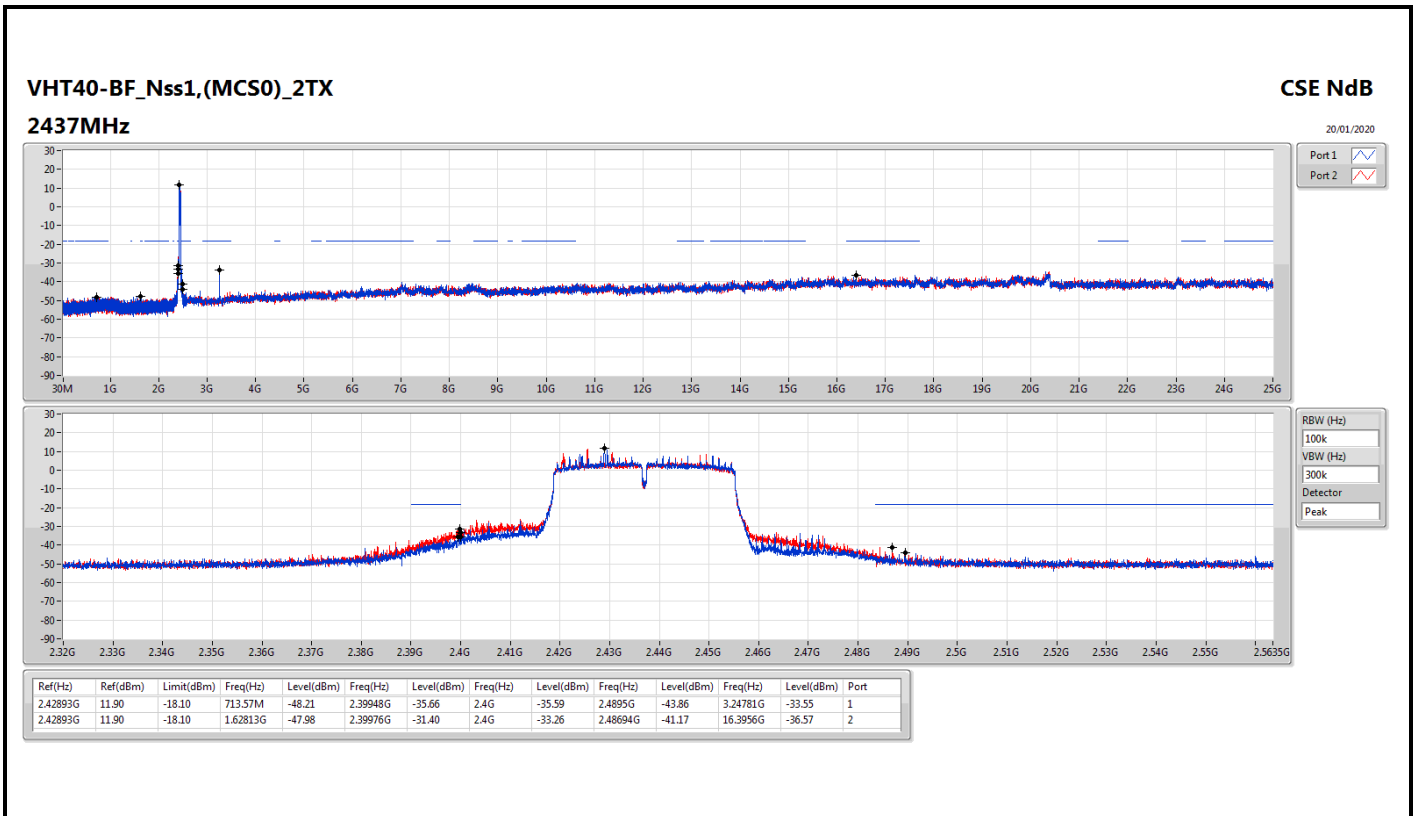


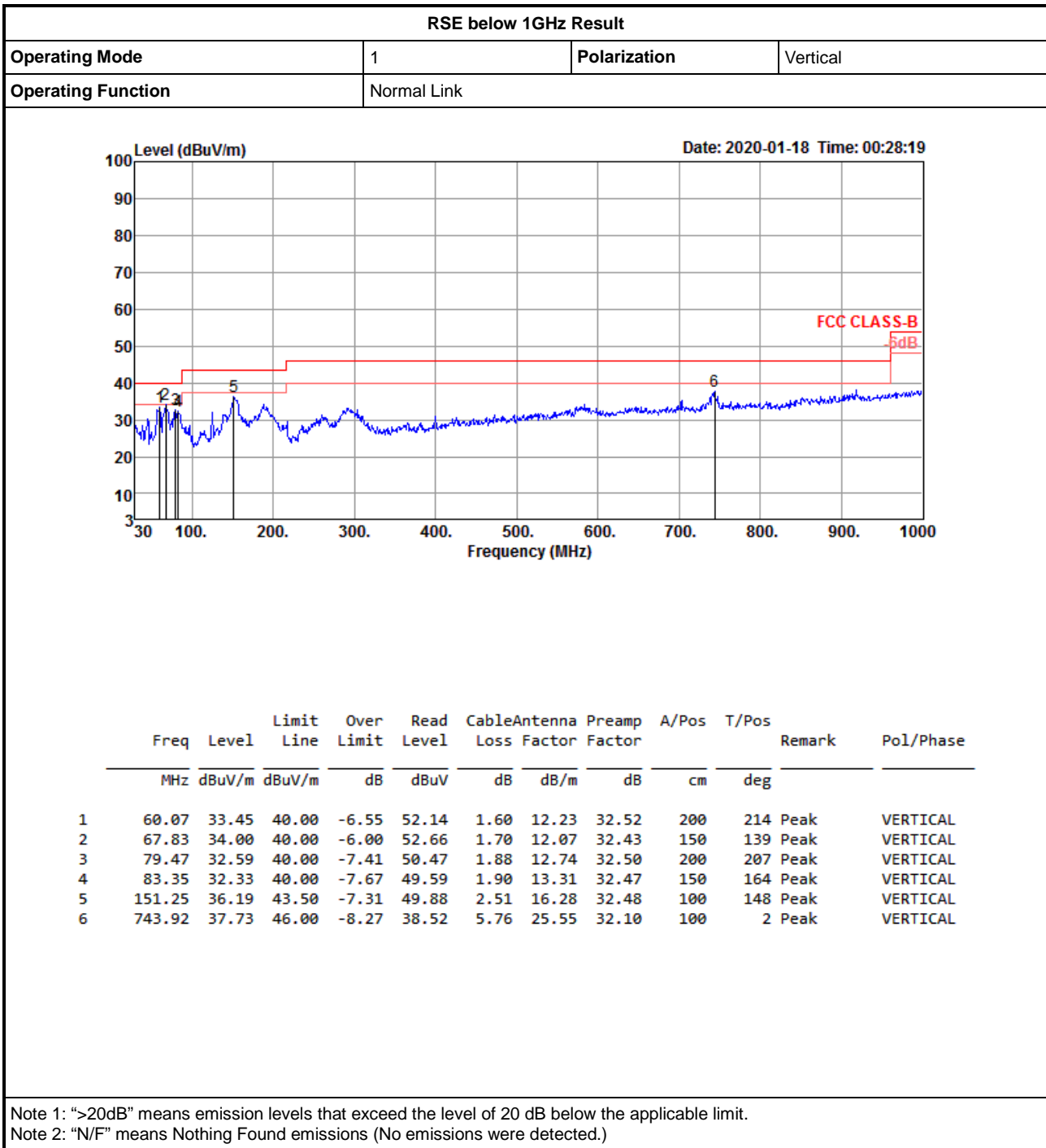
Port 1 
Port 2 

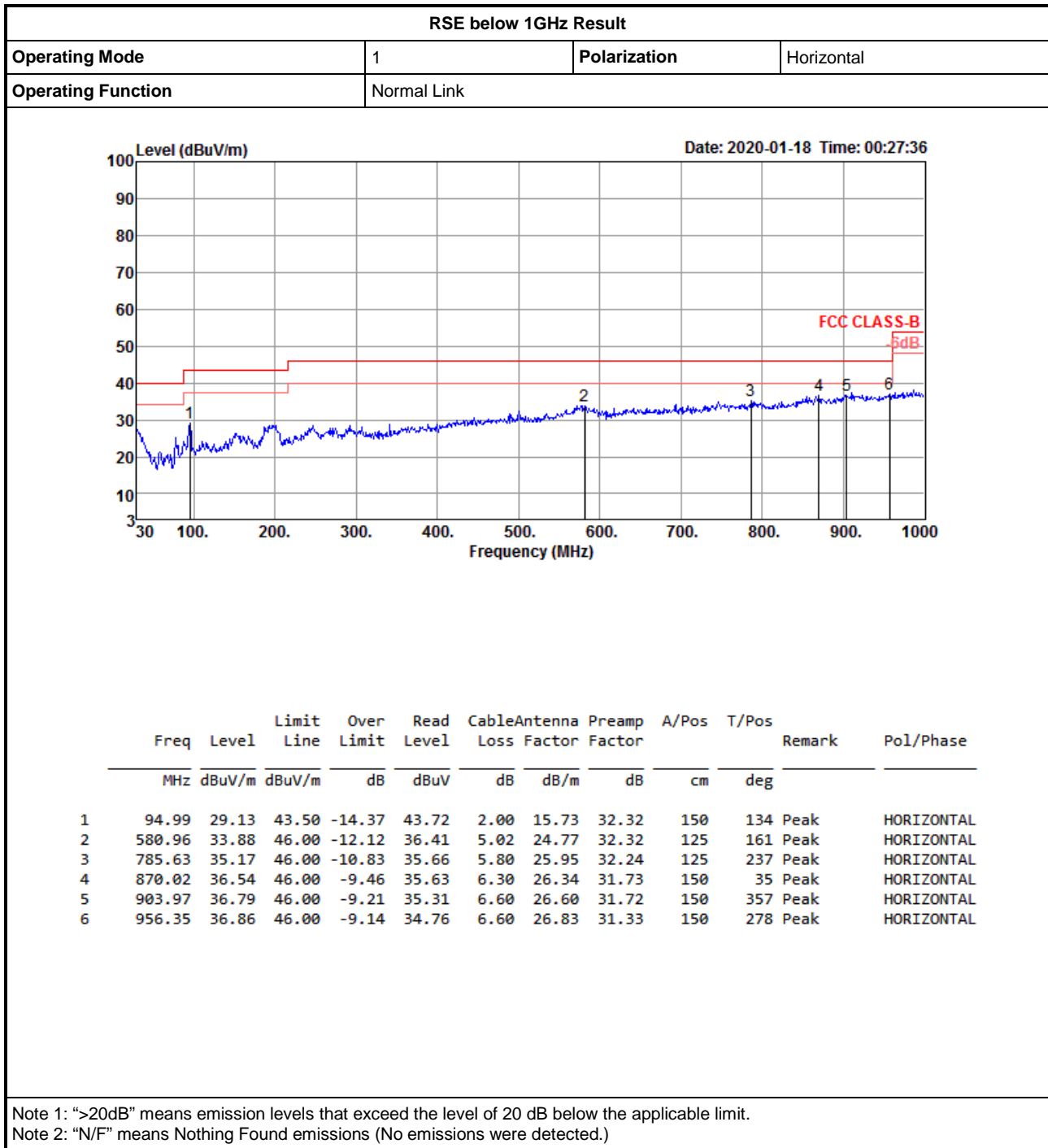


RBW (Hz)
VBW (Hz)
Detector

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42893G	11.90	-18.10	766.52M	-47.65	2.39076G	-35.59	2.4G	-44.78	2.55734G	-46.54	3.22818G	-32.24	1
2.42893G	11.90	-18.10	544.11M	-48.15	2.39952G	-38.02	2.4G	-38.89	2.52066G	-47.18	17.61599G	-37.56	2









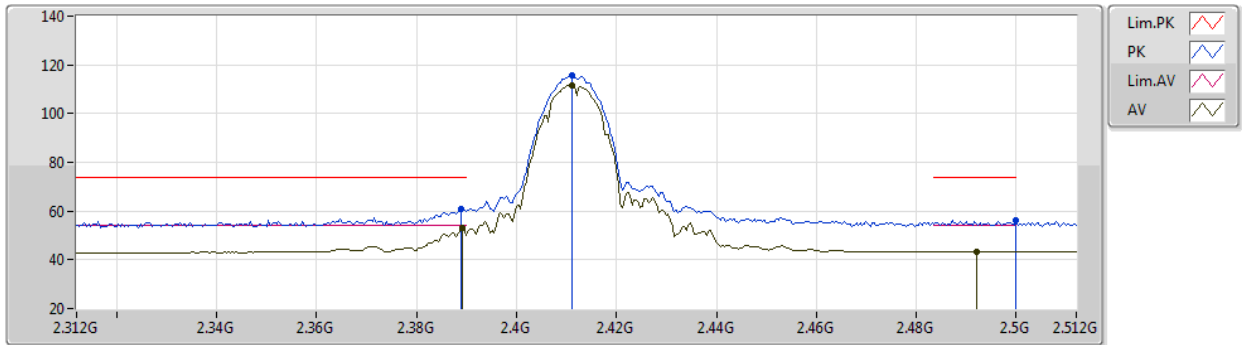
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
VHT20_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.98	54.00	-0.02	3	Vertical	35	2.23	-

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2412MHz_TX



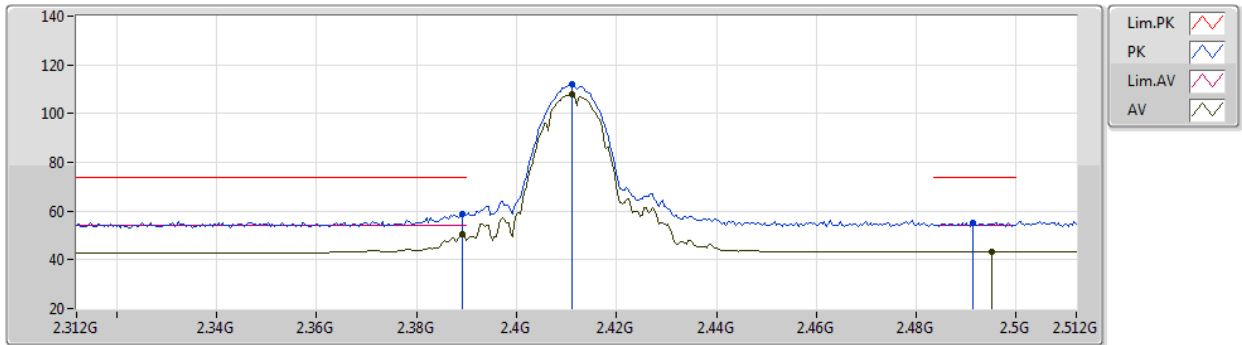
EUT_Z_2TX
Setting 23.5
02-A-P-2

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	2.3888G	61.05	74.00	-12.95	29.11	3	Vertical	240	2.69	-	28.44	3.50	-
AV	2.3892G	53.08	54.00	-0.92	21.13	3	Vertical	240	2.69	-	28.45	3.50	-
PK	2.4112G	115.73	Inf	-Inf	83.72	3	Vertical	240	2.69	-	28.50	3.51	-
AV	2.4112G	111.81	Inf	-Inf	79.80	3	Vertical	240	2.69	-	28.50	3.51	-
PK	2.5G	56.15	74.00	-17.85	24.05	3	Vertical	240	2.69	-	28.50	3.60	-
AV	2.492G	43.41	54.00	-10.59	11.32	3	Vertical	240	2.69	-	28.50	3.59	-

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2412MHz_TX



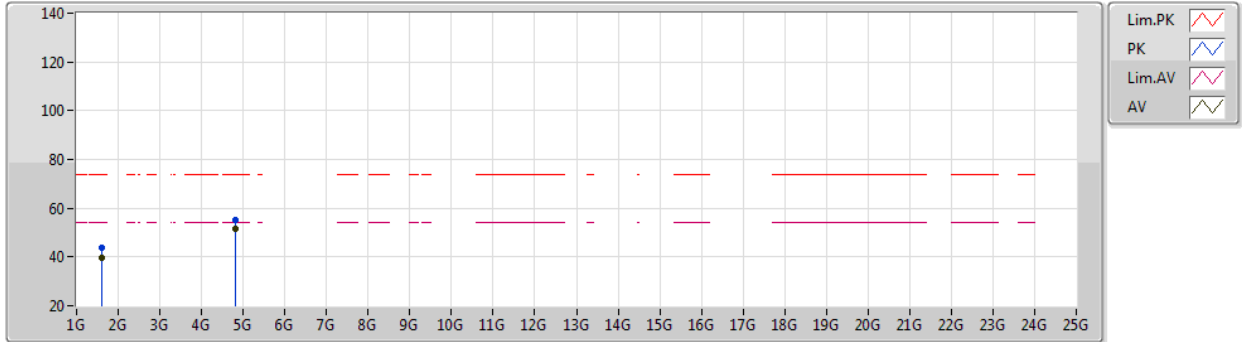
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Setting 23.5
02-A-P-2

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	58.83	74.00	-15.17	26.88	3	Horizontal	214	3.00	-	28.45	3.50	-
AV	2.3892G	50.62	54.00	-3.38	18.67	3	Horizontal	214	3.00	-	28.45	3.50	-
PK	2.4112G	111.91	Inf	-Inf	79.90	3	Horizontal	214	3.00	-	28.50	3.51	-
AV	2.4112G	108.02	Inf	-Inf	76.01	3	Horizontal	214	3.00	-	28.50	3.51	-
PK	2.4912G	55.41	74.00	-18.59	23.32	3	Horizontal	214	3.00	-	28.50	3.59	-
AV	2.4952G	43.38	54.00	-10.62	11.28	3	Horizontal	214	3.00	-	28.50	3.60	-

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2412MHz_TX



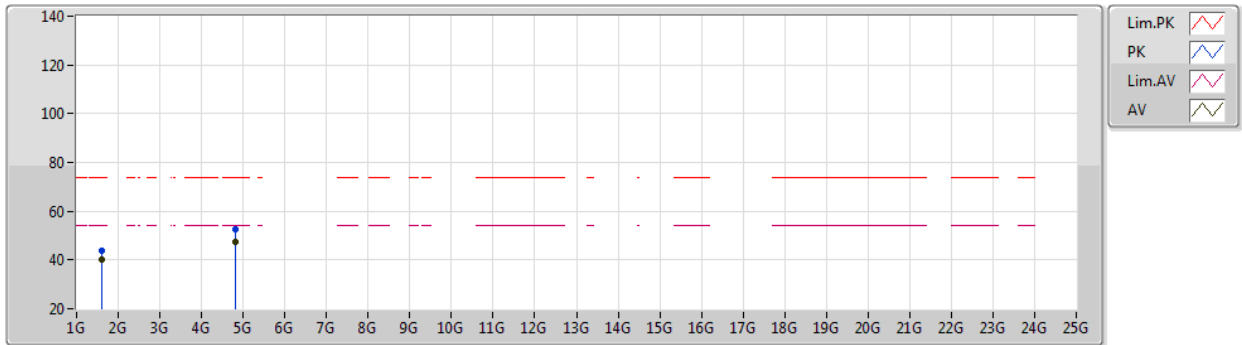
EUT_Z_2TX
Setting 23.5
02-A-P-2

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	1.60806G	44.03	74.00	-29.97	47.19	3	Vertical	252	2.70	-	25.66	3.70	32.52
AV	1.60799G	39.40	54.00	-14.60	42.56	3	Vertical	252	2.70	-	25.66	3.70	32.52
PK	4.82399G	55.06	74.00	-18.94	46.82	3	Vertical	187	2.47	-	32.80	5.81	30.37
AV	4.82403G	51.42	54.00	-2.58	43.18	3	Vertical	187	2.47	-	32.80	5.81	30.37

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2412MHz_TX



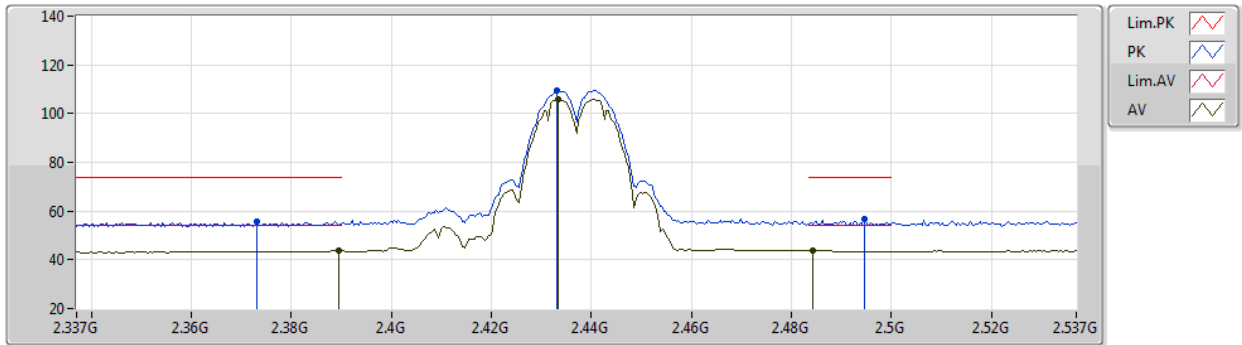
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Setting 23.5
02-A-P-2

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	1.60804G	44.01	74.00	-29.99	47.17	3	Horizontal	195	1.04	-	25.66	3.70	32.52
AV	1.60801G	40.00	54.00	-14.00	43.16	3	Horizontal	195	1.04	-	25.66	3.70	32.52
PK	4.82405G	52.46	74.00	-21.54	44.22	3	Horizontal	334	2.93	-	32.80	5.81	30.37
AV	4.82404G	47.40	54.00	-6.60	39.16	3	Horizontal	334	2.93	-	32.80	5.81	30.37

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2437MHz_TX



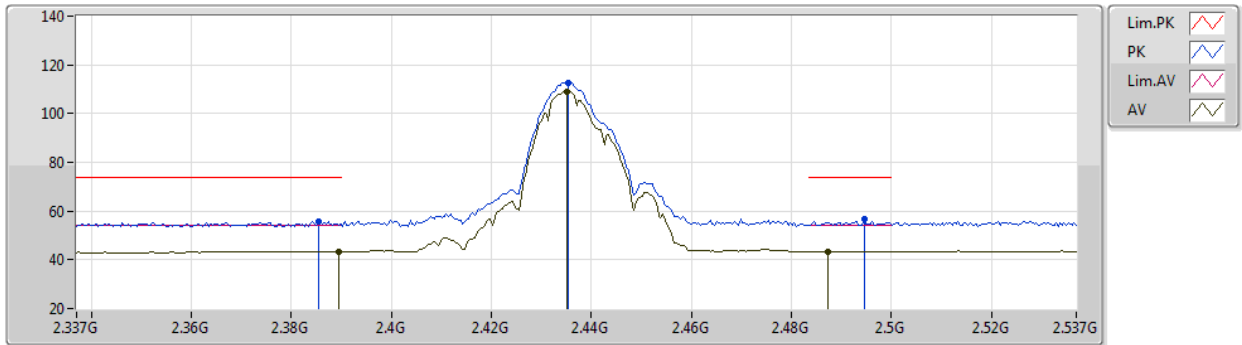
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Setting 24.5
02-A-P-2

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	2.373G	55.87	74.00	-18.13	24.00	3	Vertical	256	1.80	-	28.37	3.50	-
AV	2.3894G	43.72	54.00	-10.28	11.77	3	Vertical	256	1.80	-	28.45	3.50	-
PK	2.433G	109.53	Inf	-Inf	77.50	3	Vertical	256	1.80	-	28.50	3.53	-
AV	2.4334G	106.00	Inf	-Inf	73.97	3	Vertical	256	1.80	-	28.50	3.53	-
PK	2.4946G	56.57	74.00	-17.43	24.48	3	Vertical	256	1.80	-	28.50	3.59	-
AV	2.4842G	44.00	54.00	-10.00	11.92	3	Vertical	256	1.80	-	28.50	3.58	-

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2437MHz_TX



EUT_Z_2TX
Setting 24.5
02-A-P-2

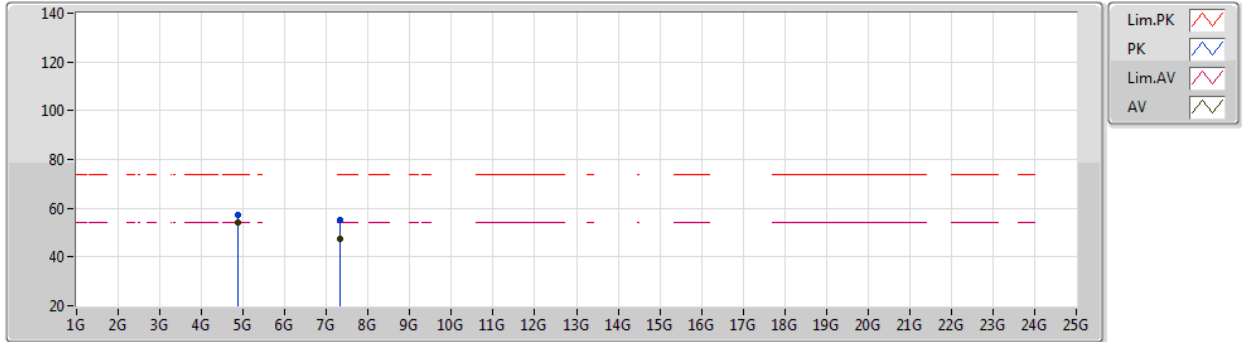
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PK	2.3854G	55.54	74.00	-18.46	23.61	3	Horizontal	191	1.02	-	28.43	3.50	-
AV	2.3894G	43.44	54.00	-10.56	11.49	3	Horizontal	191	1.02	-	28.45	3.50	-
PK	2.4354G	112.82	Inf	-Inf	80.78	3	Horizontal	191	1.02	-	28.50	3.54	-
AV	2.435G	109.21	Inf	-Inf	77.17	3	Horizontal	191	1.02	-	28.50	3.54	-
PK	2.4946G	56.73	74.00	-17.27	24.64	3	Horizontal	191	1.02	-	28.50	3.59	-
AV	2.4874G	43.52	54.00	-10.48	11.43	3	Horizontal	191	1.02	-	28.50	3.59	-



802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2437MHz_TX



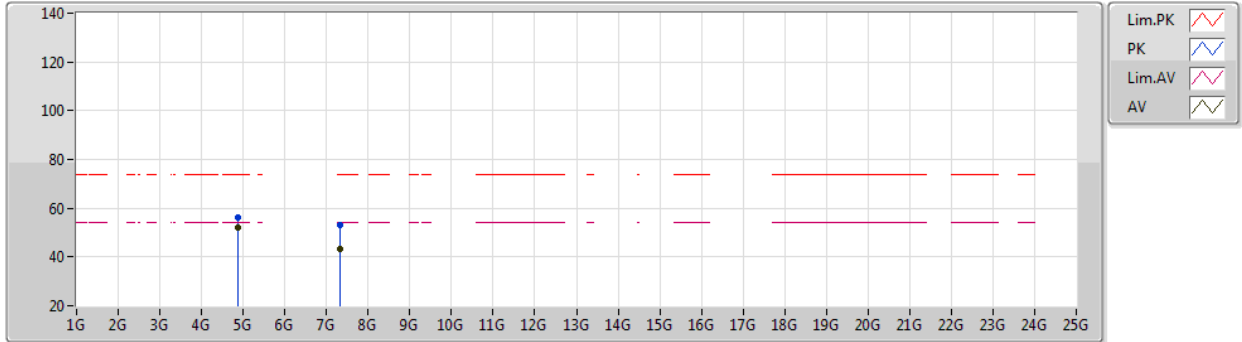
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Setting 24.5
02-A-P-2

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	4.87411G	57.50	74.00	-16.50	49.02	3	Vertical	26	2.59	-	33.00	5.84	30.36
AV	4.87405G	53.94	54.00	-0.06	45.46	3	Vertical	26	2.59	-	33.00	5.84	30.36
PK	7.31212G	55.38	74.00	-18.62	43.41	3	Vertical	176	2.43	-	36.42	6.96	31.41
AV	7.3118G	47.63	54.00	-6.37	35.66	3	Vertical	176	2.43	-	36.42	6.96	31.41

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2437MHz_TX



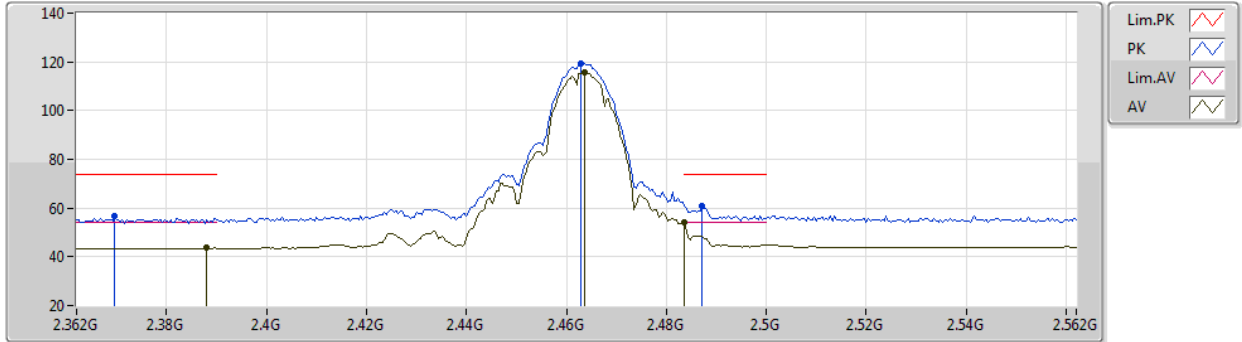
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Setting 24.5
02-A-P-2

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	4.87401G	56.40	74.00	-17.60	47.92	3	Horizontal	149	2.79	-	33.00	5.84	30.36
AV	4.87404G	52.21	54.00	-1.79	43.73	3	Horizontal	149	2.79	-	33.00	5.84	30.36
PK	7.3115G	53.03	74.00	-20.97	41.06	3	Horizontal	204	2.15	-	36.42	6.96	31.41
AV	7.3118G	43.38	54.00	-10.62	31.41	3	Horizontal	204	2.15	-	36.42	6.96	31.41

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2462MHz_TX



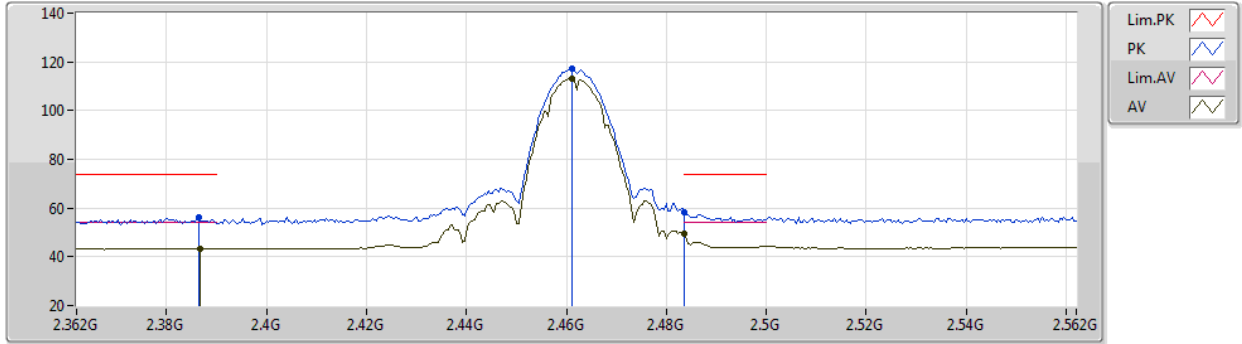
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Setting 25
02-A-P-2

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	2.3696G	56.75	74.00	-17.25	24.90	3	Vertical	200	1.03	-	28.35	3.50	-
AV	2.388G	43.55	54.00	-10.45	11.61	3	Vertical	200	1.03	-	28.44	3.50	-
PK	2.4628G	119.50	Inf	-Inf	87.44	3	Vertical	200	1.03	-	28.50	3.56	-
AV	2.4636G	115.61	Inf	-Inf	83.55	3	Vertical	200	1.03	-	28.50	3.56	-
PK	2.4872G	61.11	74.00	-12.89	29.02	3	Vertical	200	1.03	-	28.50	3.59	-
AV	2.4835G	53.89	54.00	-0.11	21.81	3	Vertical	200	1.03	-	28.50	3.58	-

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2462MHz_TX



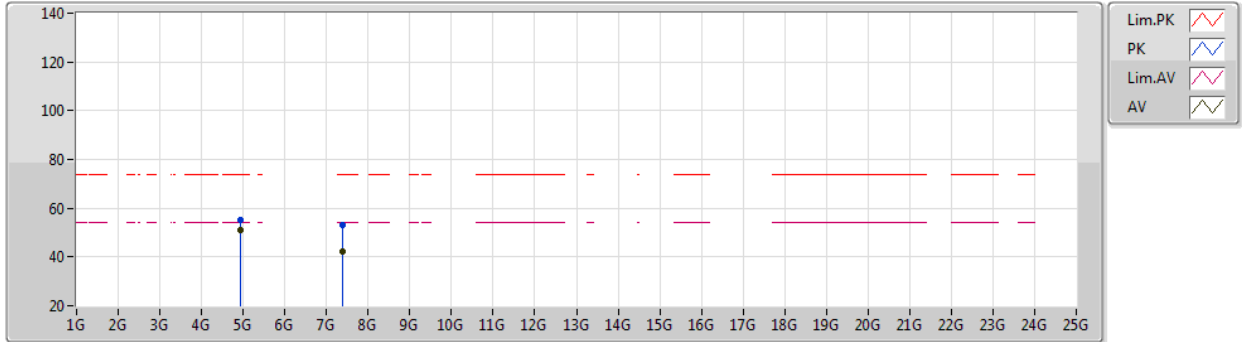
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Setting 25
02-A-P-2

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	2.3864G	56.25	74.00	-17.75	24.32	3	Horizontal	5	2.88	-	28.43	3.50	-
AV	2.3868G	43.20	54.00	-10.80	11.27	3	Horizontal	5	2.88	-	28.43	3.50	-
PK	2.4612G	117.20	Inf	-Inf	85.14	3	Horizontal	5	2.88	-	28.50	3.56	-
AV	2.4612G	113.28	Inf	-Inf	81.22	3	Horizontal	5	2.88	-	28.50	3.56	-
PK	2.4835G	58.36	74.00	-15.64	26.28	3	Horizontal	5	2.88	-	28.50	3.58	-
AV	2.4835G	49.68	54.00	-4.32	17.60	3	Horizontal	5	2.88	-	28.50	3.58	-

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2462MHz_TX



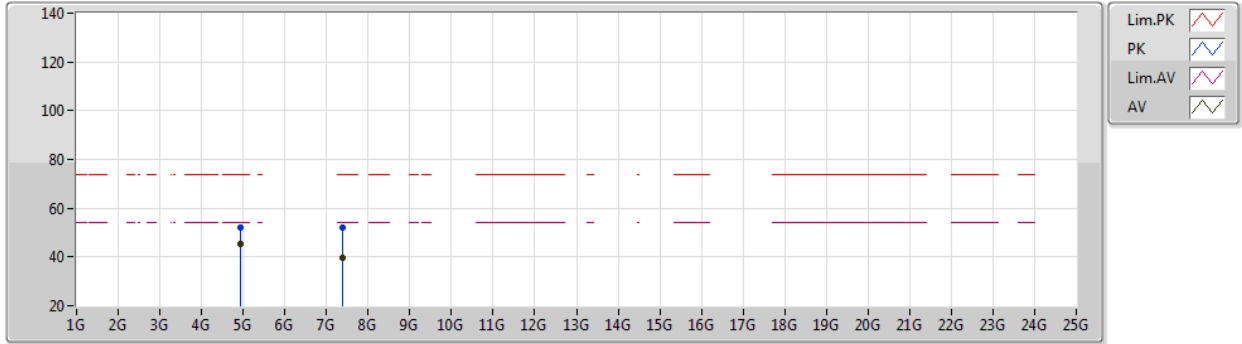
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Setting 25
02-A-P-2

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	4.924G	55.15	74.00	-18.85	46.49	3	Vertical	291	2.72	-	33.15	5.86	30.35
AV	4.92398G	51.21	54.00	-2.79	42.55	3	Vertical	291	2.72	-	33.15	5.86	30.35
PK	7.3866G	53.20	74.00	-20.80	41.27	3	Vertical	171	2.37	-	36.57	6.82	31.46
AV	7.38676G	42.06	54.00	-11.94	30.13	3	Vertical	171	2.37	-	36.57	6.82	31.46

802.11b_Nss1,(1Mbps)_2TX

17/01/2020

2462MHz_TX



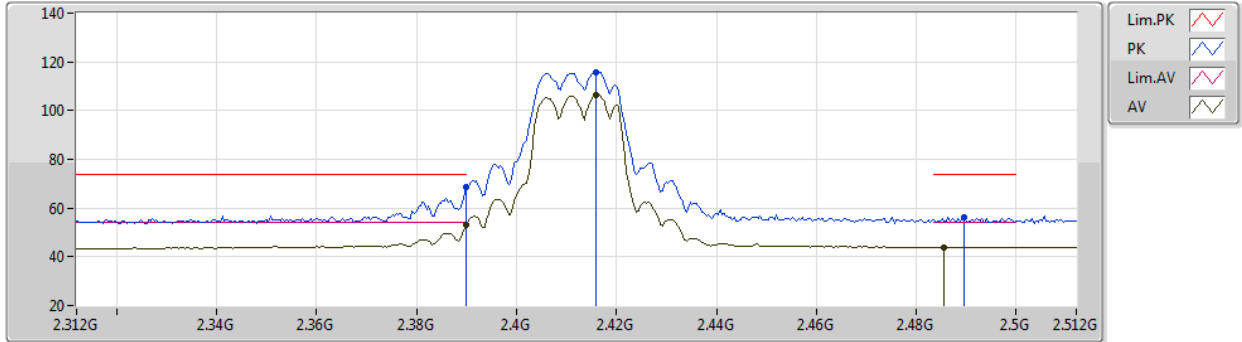
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Setting 25
02-A-P-2

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	4.92394G	51.92	74.00	-22.08	43.26	3	Horizontal	155	2.96	-	33.15	5.86	30.35
AV	4.92398G	45.22	54.00	-8.78	36.56	3	Horizontal	155	2.96	-	33.15	5.86	30.35
PK	7.38432G	52.00	74.00	-22.00	40.06	3	Horizontal	202	2.11	-	36.57	6.83	31.46
AV	7.38296G	39.82	54.00	-14.18	27.88	3	Horizontal	202	2.11	-	36.57	6.83	31.46

802.11g_Nss1,(6Mbps)_2TX

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2412MHz_TX



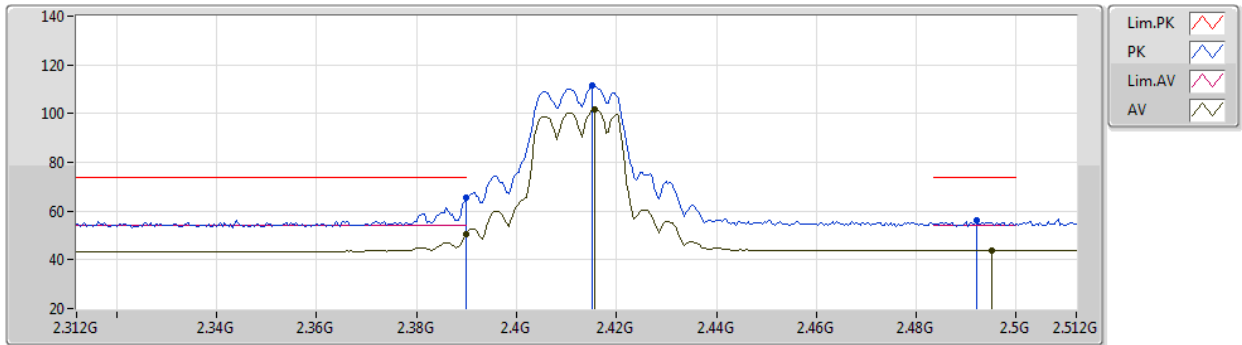
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Setting 20
02-A-P-2

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	68.77	74.00	-5.23	36.82	3	Vertical	225	1.01	-	28.45	3.50	-
AV	2.39G	53.05	54.00	-0.95	21.10	3	Vertical	225	1.01	-	28.45	3.50	-
PK	2.416G	115.89	Inf	-Inf	83.87	3	Vertical	225	1.01	-	28.50	3.52	-
AV	2.416G	106.38	Inf	-Inf	74.36	3	Vertical	225	1.01	-	28.50	3.52	-
PK	2.4896G	56.28	74.00	-17.72	24.19	3	Vertical	225	1.01	-	28.50	3.59	-
AV	2.4856G	43.99	54.00	-10.01	11.90	3	Vertical	225	1.01	-	28.50	3.59	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2412MHz_TX



EUT_Z_2TX
Setting 20
02-A-P-2

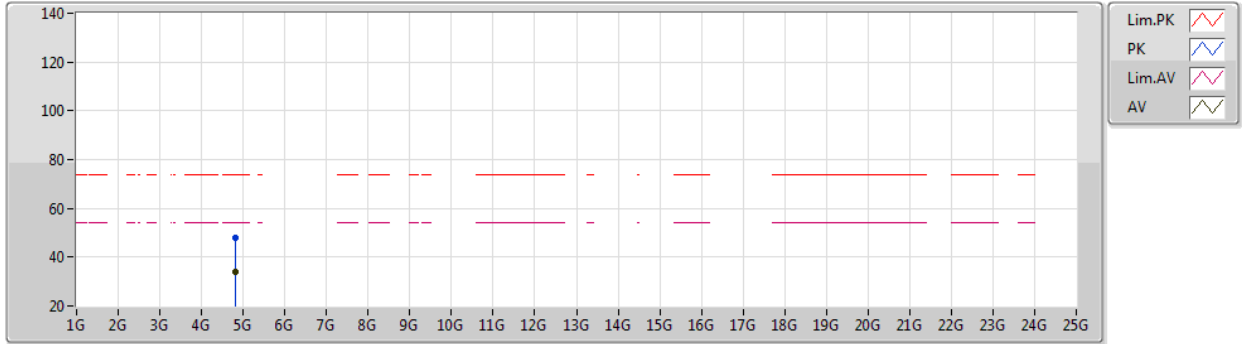
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.62	74.00	-8.38	33.67	3	Horizontal	192	1.54	-	28.45	3.50	-
AV	2.39G	50.59	54.00	-3.41	18.64	3	Horizontal	192	1.54	-	28.45	3.50	-
PK	2.4152G	111.53	Inf	-Inf	79.51	3	Horizontal	192	1.54	-	28.50	3.52	-
AV	2.4156G	101.59	Inf	-Inf	69.57	3	Horizontal	192	1.54	-	28.50	3.52	-
PK	2.492G	56.34	74.00	-17.66	24.25	3	Horizontal	192	1.54	-	28.50	3.59	-
AV	2.4952G	44.00	54.00	-10.00	11.90	3	Horizontal	192	1.54	-	28.50	3.60	-



802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2412MHz_TX



EUT_Z_2TX
Setting 20
02-A-P-2

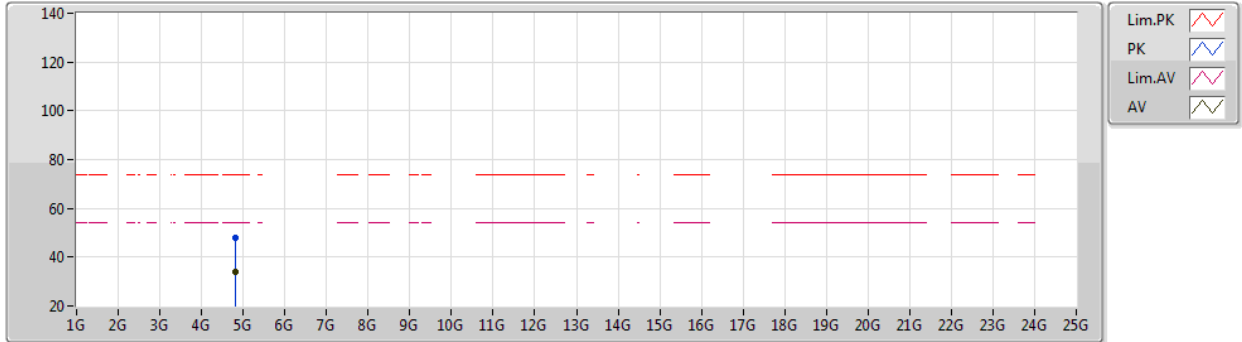
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82796G	47.89	74.00	-26.11	39.64	3	Vertical	63	1.80	-	32.81	5.81	30.37
AV	4.82414G	34.03	54.00	-19.97	25.79	3	Vertical	63	1.80	-	32.80	5.81	30.37



802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2412MHz_TX



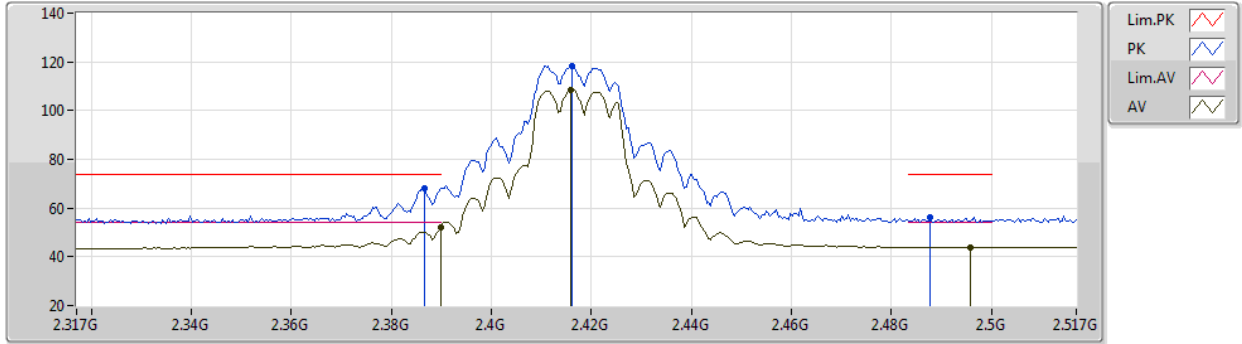
EUT Z_2TX
Setting 20
02-A-P-2

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	4.82106G	48.03	74.00	-25.97	39.81	3	Horizontal	44	1.80	-	32.78	5.81	30.37
AV	4.82138G	34.06	54.00	-19.94	25.83	3	Horizontal	44	1.80	-	32.79	5.81	30.37

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2417MHz_TX



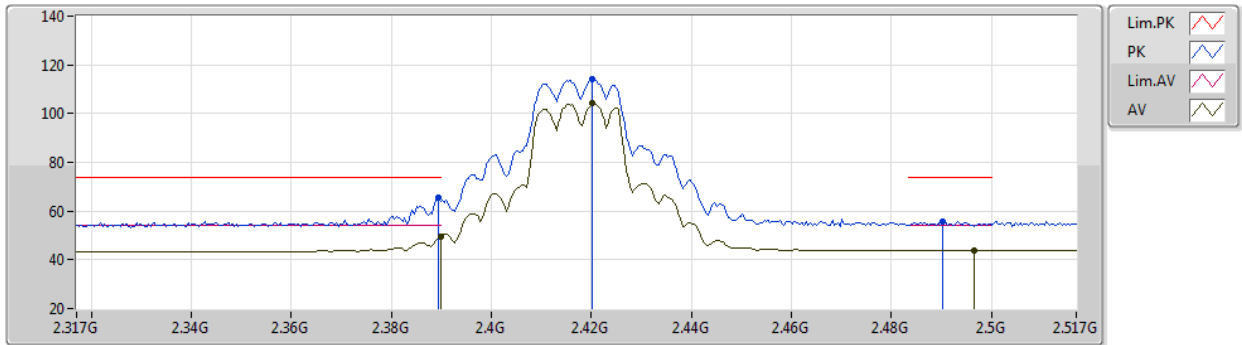
EUT_Z_2TX
Setting 25
02-A-P-2

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	68.14	74.00	-5.86	36.21	3	Vertical	224	1.01	-	28.43	3.50	-
AV	2.3898G	52.29	54.00	-1.71	20.34	3	Vertical	224	1.01	-	28.45	3.50	-
PK	2.4162G	118.39	Inf	-Inf	86.37	3	Vertical	224	1.01	-	28.50	3.52	-
AV	2.4158G	108.69	Inf	-Inf	76.67	3	Vertical	224	1.01	-	28.50	3.52	-
PK	2.4878G	56.24	74.00	-17.76	24.15	3	Vertical	224	1.01	-	28.50	3.59	-
AV	2.4958G	44.00	54.00	-10.00	11.90	3	Vertical	224	1.01	-	28.50	3.60	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2417MHz_TX



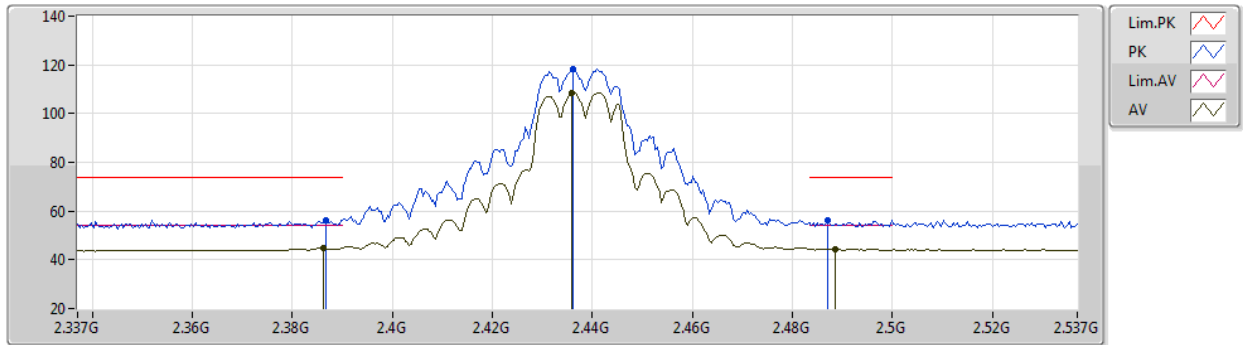
EUT_Z_2TX
Setting 25
02-A-P-2

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	65.27	74.00	-8.73	33.32	3	Horizontal	187	1.54	-	28.45	3.50	-
AV	2.3898G	49.64	54.00	-4.36	17.69	3	Horizontal	187	1.54	-	28.45	3.50	-
PK	2.4202G	114.05	Inf	-Inf	82.03	3	Horizontal	187	1.54	-	28.50	3.52	-
AV	2.4202G	104.06	Inf	-Inf	72.04	3	Horizontal	187	1.54	-	28.50	3.52	-
PK	2.4902G	55.87	74.00	-18.13	23.78	3	Horizontal	187	1.54	-	28.50	3.59	-
AV	2.4966G	43.92	54.00	-10.08	11.82	3	Horizontal	187	1.54	-	28.50	3.60	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2437MHz_TX



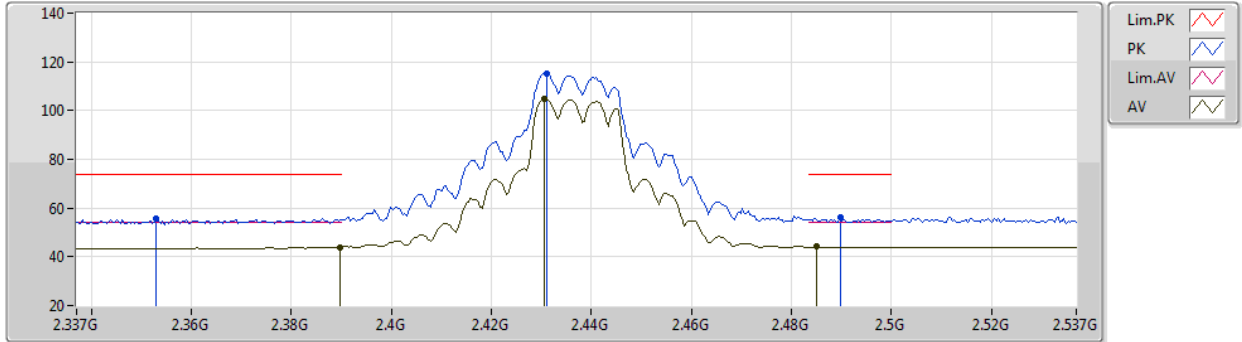
EUT Z_2TX
Setting 25
02-A-P-2

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	56.36	74.00	-17.64	24.43	3	Vertical	238	1.20	-	28.43	3.50	-
AV	2.3862G	44.80	54.00	-9.20	12.87	3	Vertical	238	1.20	-	28.43	3.50	-
PK	2.4362G	118.09	Inf	-Inf	86.05	3	Vertical	238	1.20	-	28.50	3.54	-
AV	2.4358G	108.58	Inf	-Inf	76.54	3	Vertical	238	1.20	-	28.50	3.54	-
PK	2.487G	56.11	74.00	-17.89	24.02	3	Vertical	238	1.20	-	28.50	3.59	-
AV	2.4886G	44.37	54.00	-9.63	12.28	3	Vertical	238	1.20	-	28.50	3.59	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2437MHz_TX



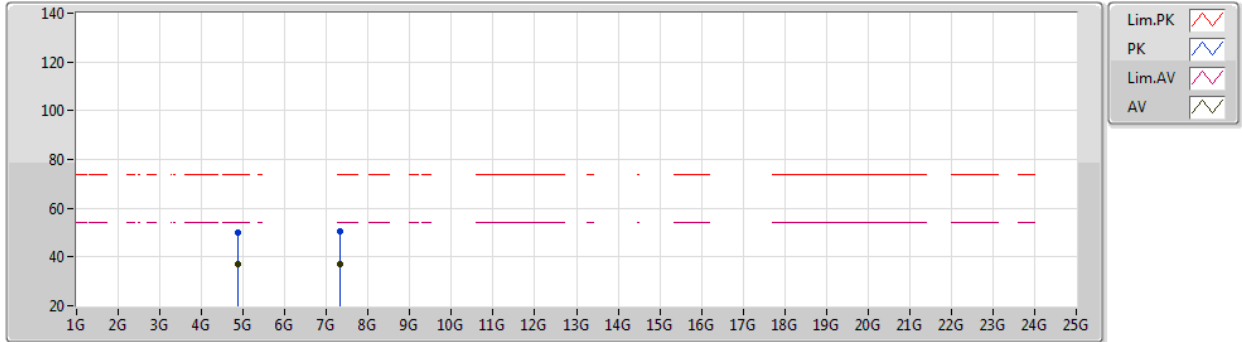
EUT Z_2TX
Setting 25
02-A-P-2

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	2.353G	55.69	74.00	-18.31	23.92	3	Horizontal	190	1.56	-	28.27	3.50	-
AV	2.3898G	43.96	54.00	-10.04	12.01	3	Horizontal	190	1.56	-	28.45	3.50	-
PK	2.431G	115.36	Inf	-Inf	83.33	3	Horizontal	190	1.56	-	28.50	3.53	-
AV	2.4306G	104.90	Inf	-Inf	72.87	3	Horizontal	190	1.56	-	28.50	3.53	-
PK	2.4898G	56.00	74.00	-18.00	23.91	3	Horizontal	190	1.56	-	28.50	3.59	-
AV	2.485G	44.13	54.00	-9.87	12.04	3	Horizontal	190	1.56	-	28.50	3.59	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2437MHz_TX



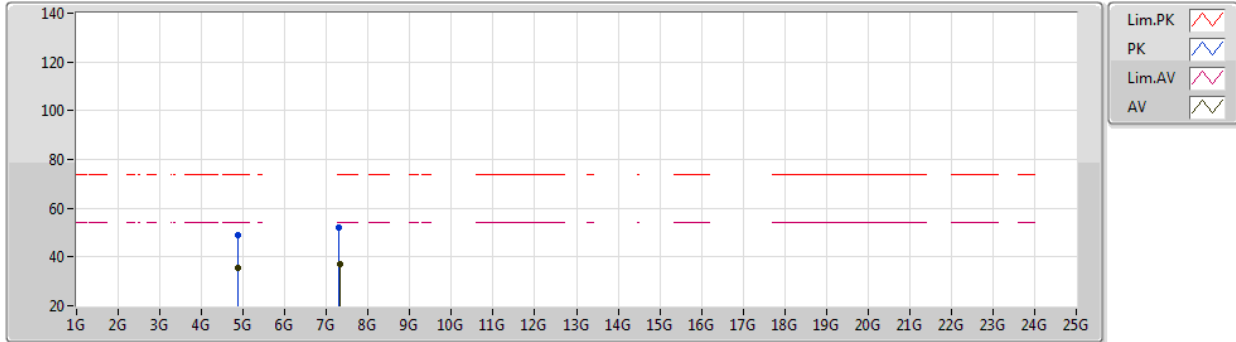
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Setting 25
02-A-P-2

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	4.8735G	50.10	74.00	-23.90	41.63	3	Vertical	194	2.71	-	32.99	5.84	30.36
AV	4.874G	37.18	54.00	-16.82	28.70	3	Vertical	194	2.71	-	33.00	5.84	30.36
PK	7.31082G	50.51	74.00	-23.49	38.54	3	Vertical	350	1.80	-	36.42	6.96	31.41
AV	7.31158G	37.18	54.00	-16.82	25.21	3	Vertical	350	1.80	-	36.42	6.96	31.41

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2437MHz_TX



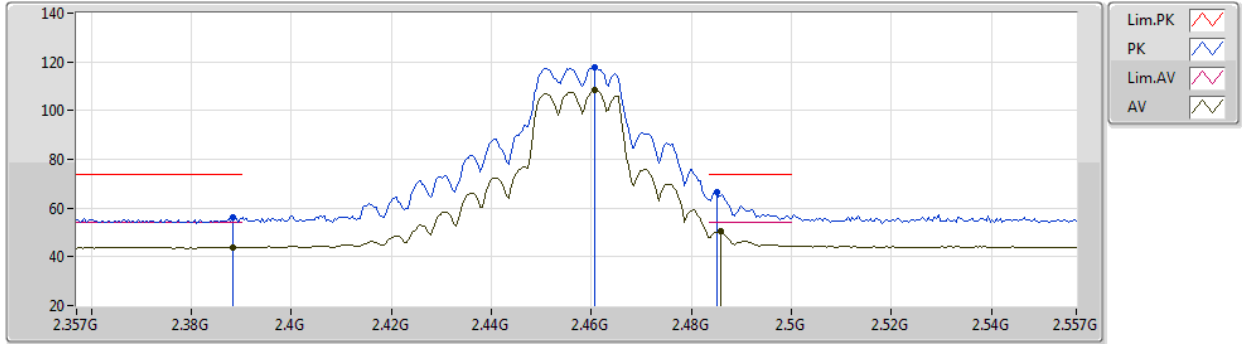
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Setting 25
02-A-P-2

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	4.87346G	48.75	74.00	-25.25	40.28	3	Horizontal	23	2.37	-	32.99	5.84	30.36
AV	4.87352G	35.34	54.00	-18.66	26.87	3	Horizontal	23	2.37	-	32.99	5.84	30.36
PK	7.30902G	51.86	74.00	-22.14	39.89	3	Horizontal	11	2.98	-	36.42	6.96	31.41
AV	7.31406G	37.09	54.00	-16.91	25.12	3	Horizontal	11	2.98	-	36.43	6.95	31.41

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2457MHz_TX



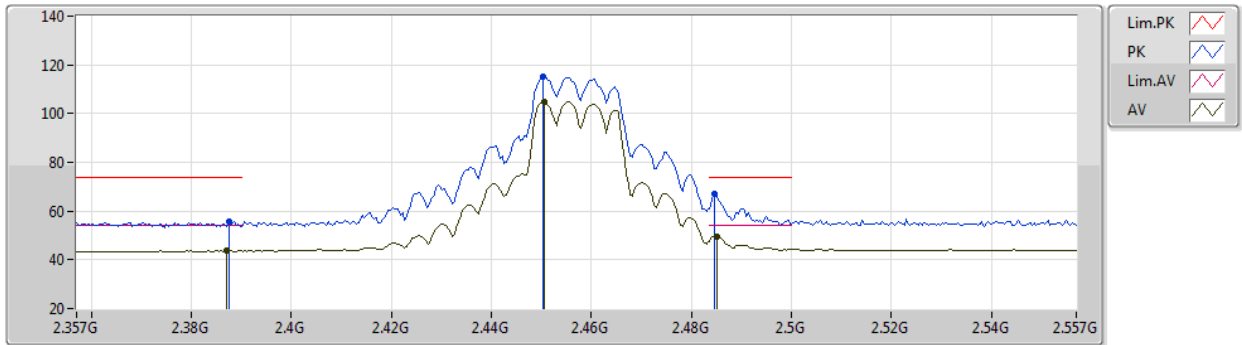
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Setting 25
02-A-P-2

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	56.17	74.00	-17.83	24.23	3	Vertical	203	1.33	-	28.44	3.50	-
AV	2.3882G	43.88	54.00	-10.12	11.94	3	Vertical	203	1.33	-	28.44	3.50	-
PK	2.4606G	117.90	Inf	-Inf	85.84	3	Vertical	203	1.33	-	28.50	3.56	-
AV	2.4606G	108.22	Inf	-Inf	76.16	3	Vertical	203	1.33	-	28.50	3.56	-
PK	2.485G	66.48	74.00	-7.52	34.39	3	Vertical	203	1.33	-	28.50	3.59	-
AV	2.4858G	50.48	54.00	-3.52	18.39	3	Vertical	203	1.33	-	28.50	3.59	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2457MHz_TX



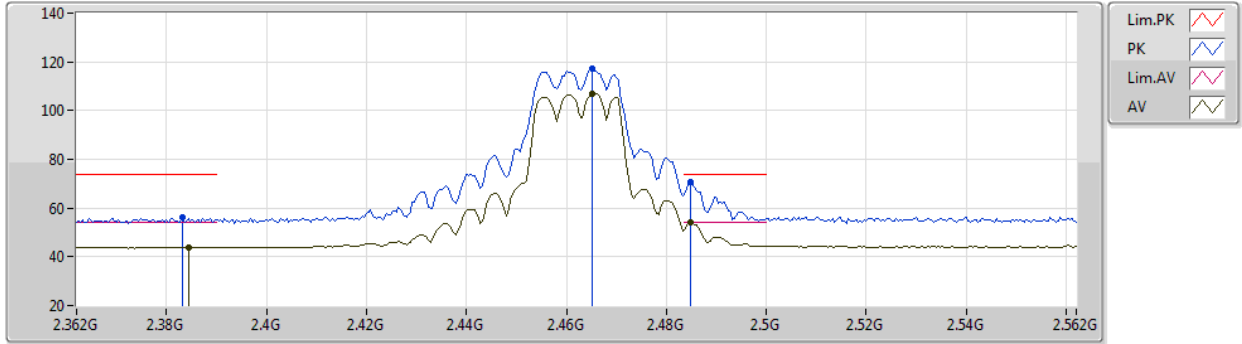
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Setting 25
02-A-P-2

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	2.3874G	55.61	74.00	-18.39	23.67	3	Horizontal	184	1.00	-	28.44	3.50	-
AV	2.387G	43.70	54.00	-10.30	11.76	3	Horizontal	184	1.00	-	28.44	3.50	-
PK	2.4502G	115.27	Inf	-Inf	83.22	3	Horizontal	184	1.00	-	28.50	3.55	-
AV	2.4506G	104.70	Inf	-Inf	72.65	3	Horizontal	184	1.00	-	28.50	3.55	-
PK	2.4846G	67.04	74.00	-6.96	34.96	3	Horizontal	184	1.00	-	28.50	3.58	-
AV	2.485G	49.66	54.00	-4.34	17.57	3	Horizontal	184	1.00	-	28.50	3.59	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2462MHz_TX



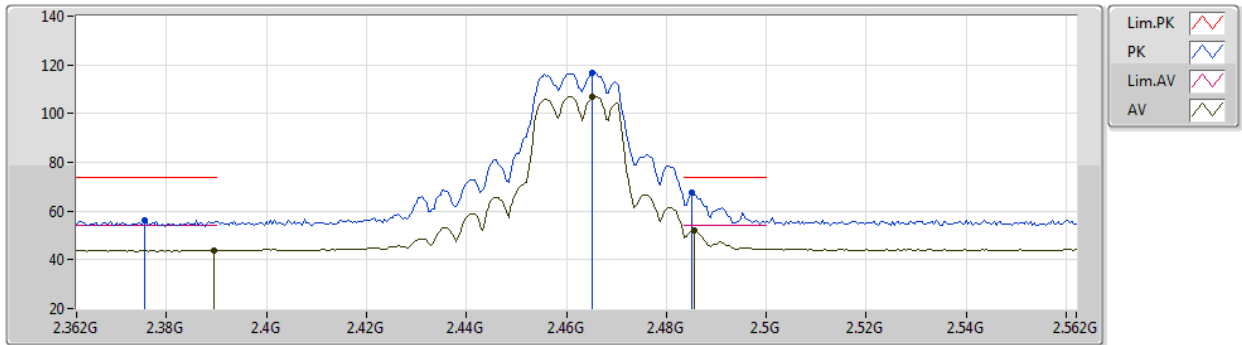
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Setting 21
02-A-P-2

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	2.3832G	56.14	74.00	-17.86	24.22	3	Vertical	202	1.00	-	28.42	3.50	-
AV	2.3844G	43.99	54.00	-10.01	12.07	3	Vertical	202	1.00	-	28.42	3.50	-
PK	2.4652G	117.03	Inf	-Inf	84.96	3	Vertical	202	1.00	-	28.50	3.57	-
AV	2.4652G	106.99	Inf	-Inf	74.92	3	Vertical	202	1.00	-	28.50	3.57	-
PK	2.4848G	70.60	74.00	-3.40	38.52	3	Vertical	202	1.00	-	28.50	3.58	-
AV	2.4848G	53.96	54.00	-0.04	21.88	3	Vertical	202	1.00	-	28.50	3.58	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2462MHz_TX



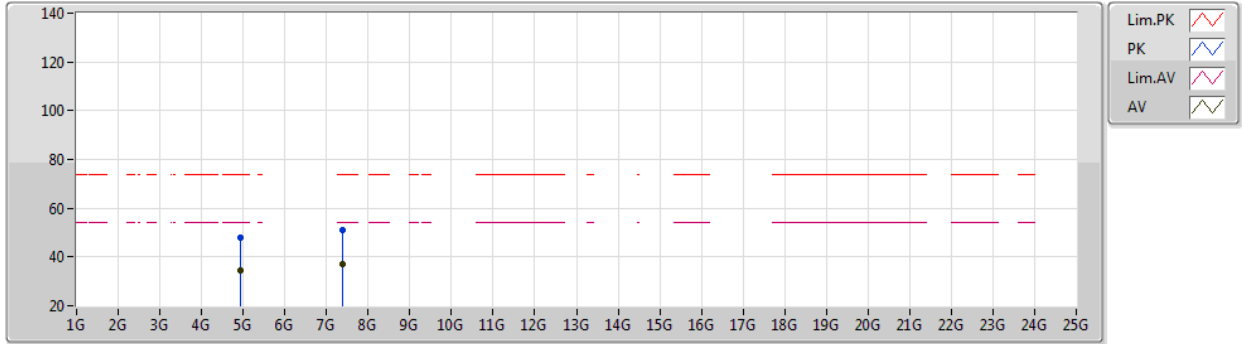
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Setting 21
02-A-P-2

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	2.3756G	56.29	74.00	-17.71	24.41	3	Horizontal	204	1.30	-	28.38	3.50	-
AV	2.3896G	43.83	54.00	-10.17	11.88	3	Horizontal	204	1.30	-	28.45	3.50	-
PK	2.4652G	116.98	Inf	-Inf	84.91	3	Horizontal	204	1.30	-	28.50	3.57	-
AV	2.4652G	106.98	Inf	-Inf	74.91	3	Horizontal	204	1.30	-	28.50	3.57	-
PK	2.4852G	67.56	74.00	-6.44	35.47	3	Horizontal	204	1.30	-	28.50	3.59	-
AV	2.4856G	52.32	54.00	-1.68	20.23	3	Horizontal	204	1.30	-	28.50	3.59	-

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2462MHz_TX



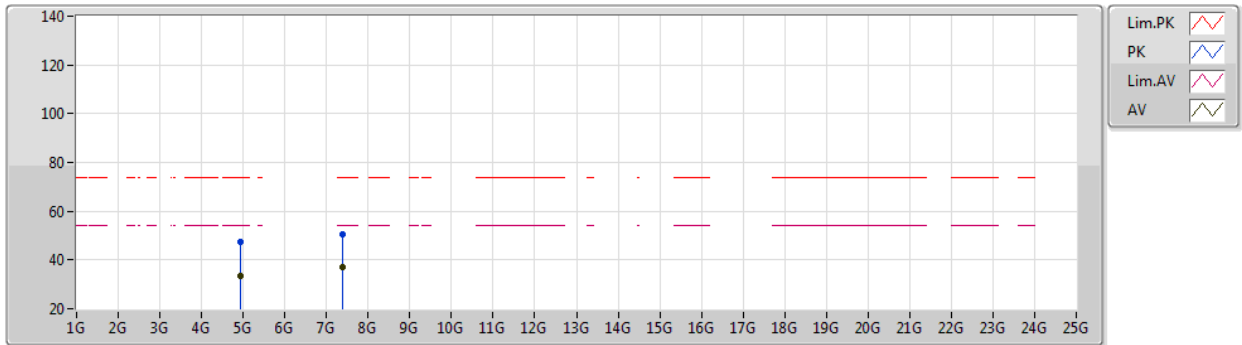
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Setting 21
02-A-P-2

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	4.9239G	48.14	74.00	-25.86	39.48	3	Vertical	61	1.79	-	33.15	5.86	30.35
AV	4.92378G	34.44	54.00	-19.56	25.78	3	Vertical	61	1.79	-	33.15	5.86	30.35
PK	7.38402G	50.88	74.00	-23.12	38.94	3	Vertical	173	2.33	-	36.57	6.83	31.46
AV	7.3833G	37.02	54.00	-16.98	25.08	3	Vertical	173	2.33	-	36.57	6.83	31.46

802.11g_Nss1,(6Mbps)_2TX

17/01/2020

2462MHz_TX



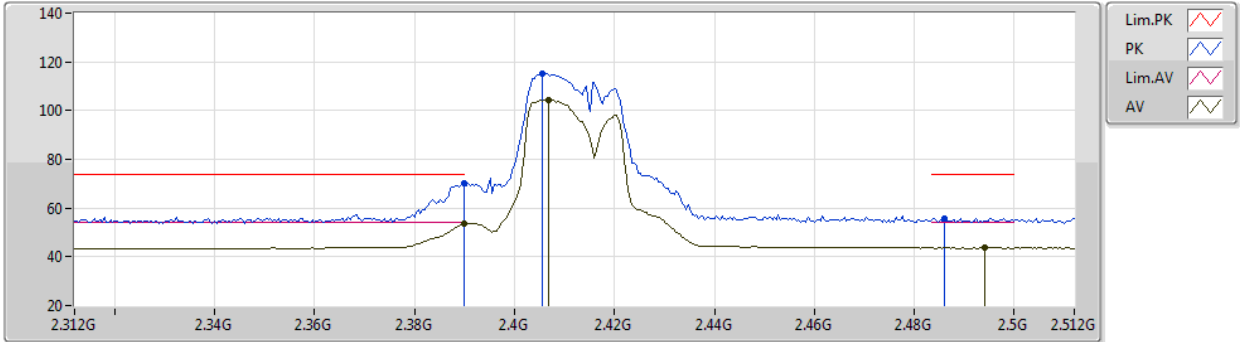
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Setting 21
02-A-P-2

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	4.92306G	47.30	74.00	-26.70	38.64	3	Horizontal	58	1.22	-	33.15	5.86	30.35
AV	4.92866G	33.59	54.00	-20.41	24.91	3	Horizontal	58	1.22	-	33.16	5.86	30.34
PK	7.38612G	50.68	74.00	-23.32	38.75	3	Horizontal	284	1.78	-	36.57	6.82	31.46
AV	7.38788G	37.10	54.00	-16.90	25.16	3	Horizontal	284	1.78	-	36.58	6.82	31.46

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



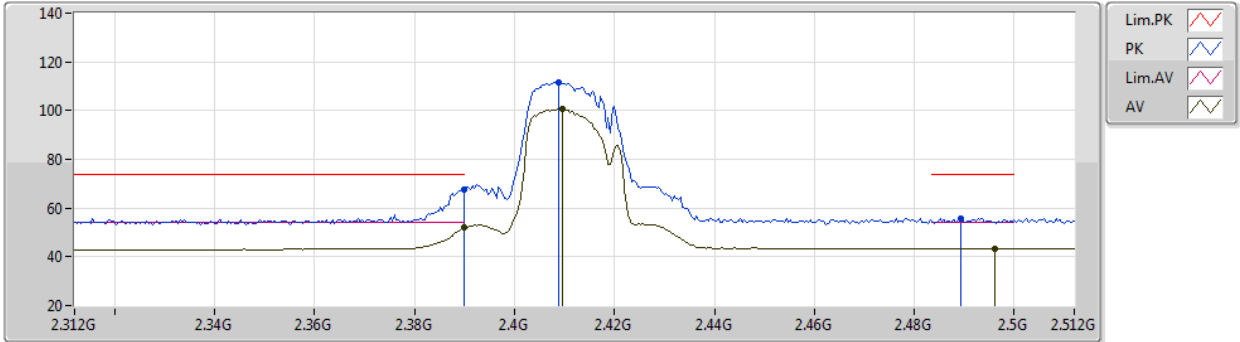
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Setting 19
02-A-P-2

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	70.03	74.00	-3.97	38.08	3	Vertical	35	2.54	-	28.45	3.50	-
AV	2.39G	53.65	54.00	-0.35	21.70	3	Vertical	35	2.54	-	28.45	3.50	-
PK	2.4056G	115.40	Inf	-Inf	83.39	3	Vertical	35	2.54	-	28.50	3.51	-
AV	2.4068G	104.35	Inf	-Inf	72.34	3	Vertical	35	2.54	-	28.50	3.51	-
PK	2.486G	55.79	74.00	-18.21	23.70	3	Vertical	35	2.54	-	28.50	3.59	-
AV	2.494G	43.66	54.00	-10.34	11.57	3	Vertical	35	2.54	-	28.50	3.59	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



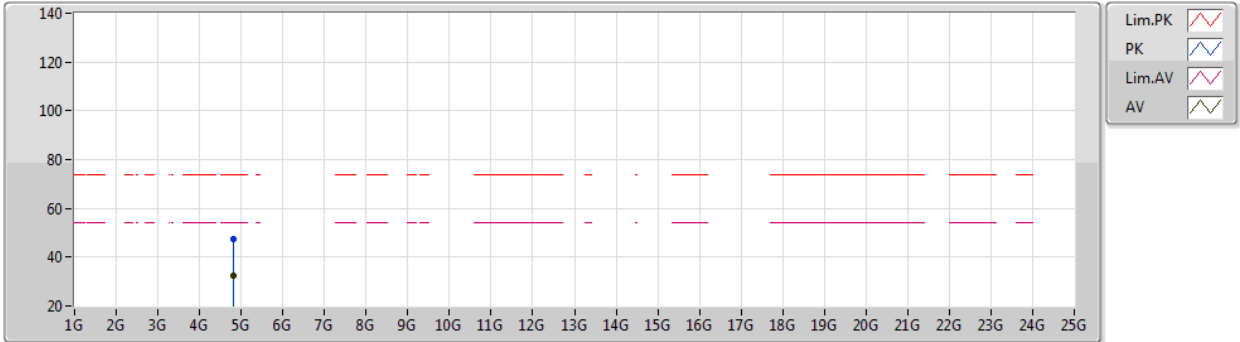
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Setting 19
02-A-P-2

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	67.59	74.00	-6.41	35.64	3	Horizontal	207	3.00	-	28.45	3.50	-
AV	2.39G	51.97	54.00	-2.03	20.02	3	Horizontal	207	3.00	-	28.45	3.50	-
PK	2.4088G	111.55	Inf	-Inf	79.54	3	Horizontal	207	3.00	-	28.50	3.51	-
AV	2.4096G	100.69	Inf	-Inf	68.68	3	Horizontal	207	3.00	-	28.50	3.51	-
PK	2.4892G	55.80	74.00	-18.20	23.71	3	Horizontal	207	3.00	-	28.50	3.59	-
AV	2.496G	43.45	54.00	-10.55	11.35	3	Horizontal	207	3.00	-	28.50	3.60	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



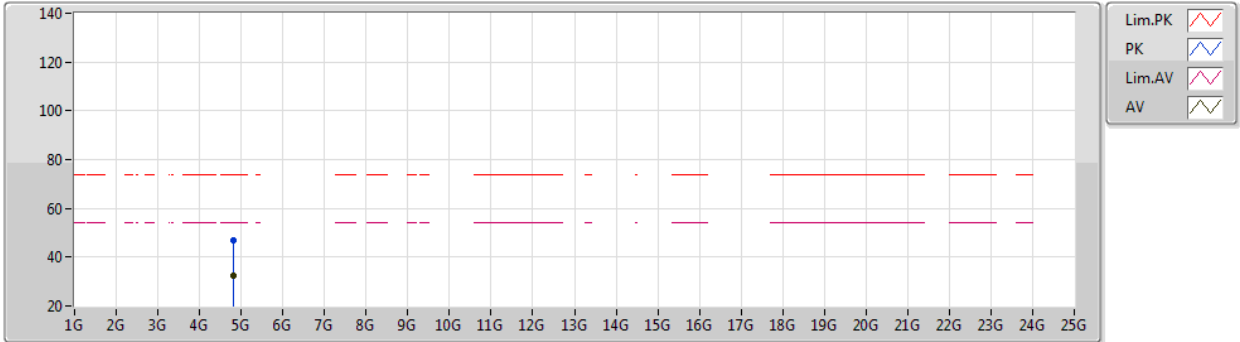
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Setting 19
02-A-P-2

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	4.82186G	47.19	74.00	-26.81	38.96	3	Vertical	123	1.63	-	32.79	5.81	30.37
AV	4.82192G	32.64	54.00	-21.36	24.41	3	Vertical	123	1.63	-	32.79	5.81	30.37

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



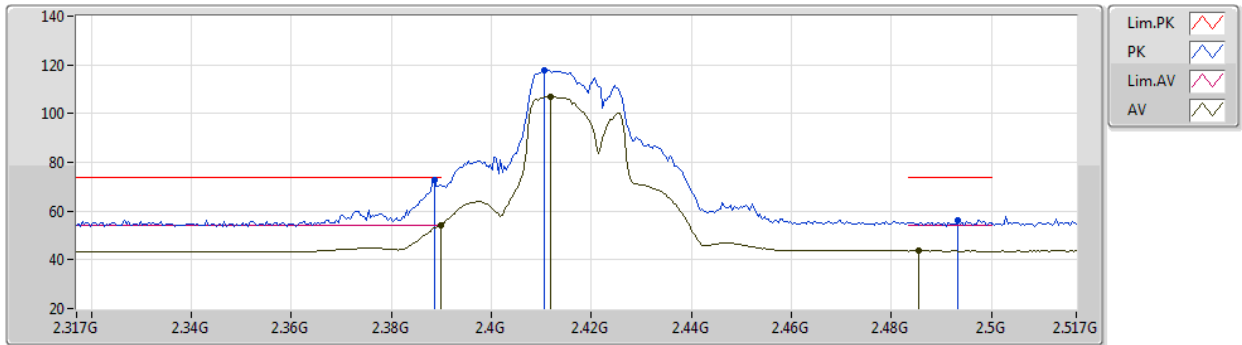
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Setting 19
02-A-P-2

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	4.82426G	46.81	74.00	-27.19	38.57	3	Horizontal	357	1.72	-	32.80	5.81	30.37
AV	4.8217G	32.59	54.00	-21.41	24.36	3	Horizontal	357	1.72	-	32.79	5.81	30.37

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2417MHz_TX



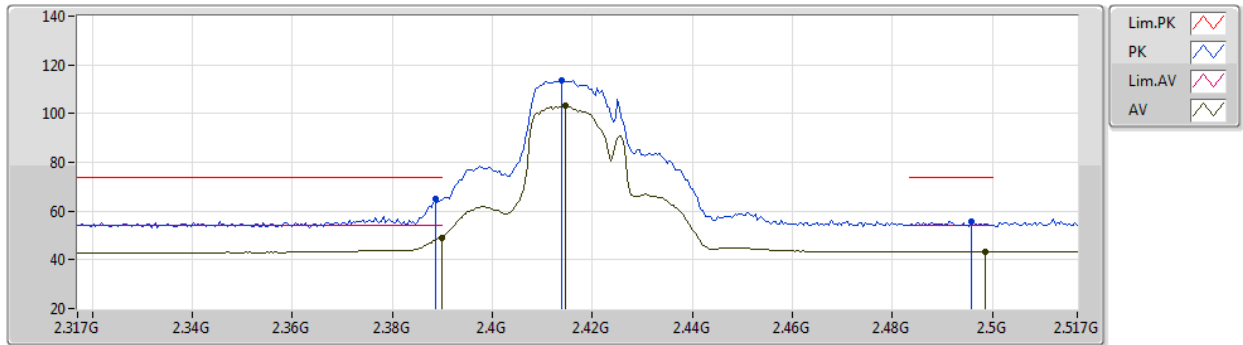
EUT_Z_2TX
Setting 22
02-A-P-2

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	72.54	74.00	-1.46	40.60	3	Vertical	35	2.23	-	28.44	3.50	-
AV	2.3898G	53.98	54.00	-0.02	22.03	3	Vertical	35	2.23	-	28.45	3.50	-
PK	2.4106G	117.90	Inf	-Inf	85.89	3	Vertical	35	2.23	-	28.50	3.51	-
AV	2.4118G	106.99	Inf	-Inf	74.98	3	Vertical	35	2.23	-	28.50	3.51	-
PK	2.4934G	56.15	74.00	-17.85	24.06	3	Vertical	35	2.23	-	28.50	3.59	-
AV	2.4854G	43.66	54.00	-10.34	11.57	3	Vertical	35	2.23	-	28.50	3.59	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2417MHz_TX



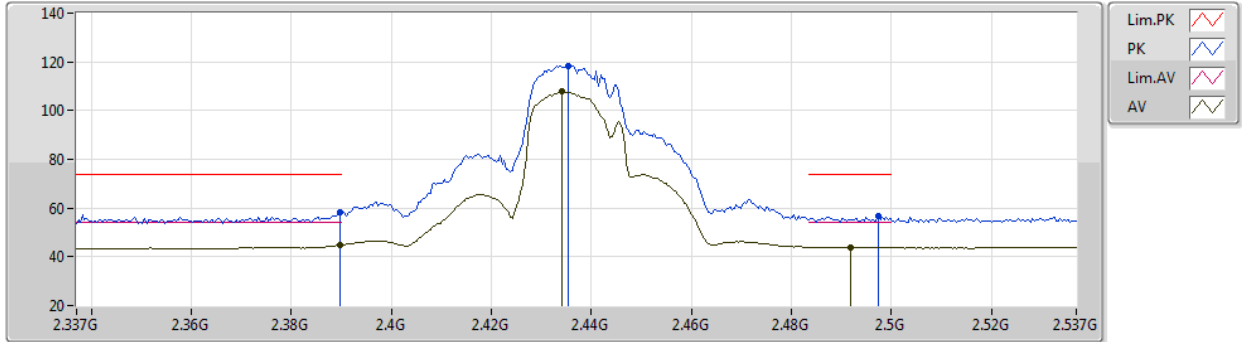
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Setting 22
02-A-P-2

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	64.98	74.00	-9.02	33.04	3	Horizontal	206	2.96	-	28.44	3.50	-
AV	2.3898G	49.13	54.00	-4.87	17.18	3	Horizontal	206	2.96	-	28.45	3.50	-
PK	2.4138G	113.79	Inf	-Inf	81.78	3	Horizontal	206	2.96	-	28.50	3.51	-
AV	2.4146G	103.14	Inf	-Inf	71.13	3	Horizontal	206	2.96	-	28.50	3.51	-
PK	2.4958G	55.82	74.00	-18.18	23.72	3	Horizontal	206	2.96	-	28.50	3.60	-
AV	2.4986G	43.42	54.00	-10.58	11.32	3	Horizontal	206	2.96	-	28.50	3.60	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



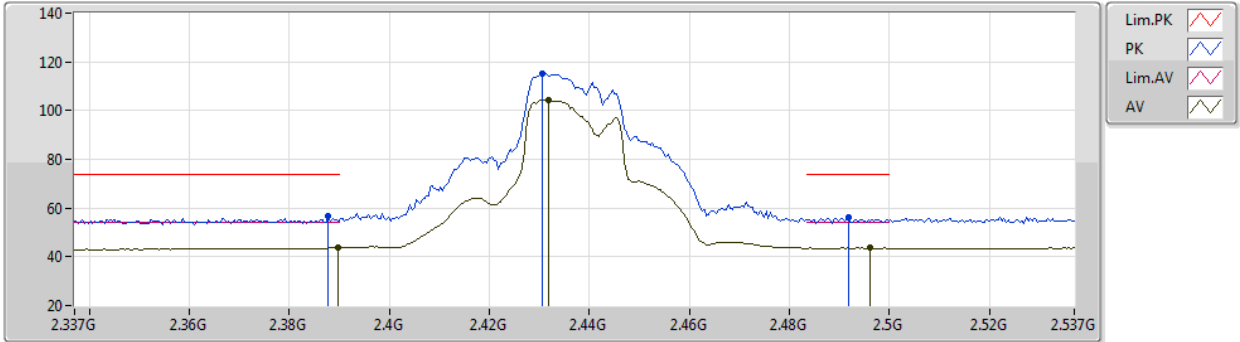
EUT Z_2TX
Setting 25
02-A-P-2

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	2.3898G	58.32	74.00	-15.68	26.37	3	Vertical	238	1.45	-	28.45	3.50	-
AV	2.3898G	44.83	54.00	-9.17	12.88	3	Vertical	238	1.45	-	28.45	3.50	-
PK	2.4354G	118.17	Inf	-Inf	86.13	3	Vertical	238	1.45	-	28.50	3.54	-
AV	2.4342G	107.80	Inf	-Inf	75.77	3	Vertical	238	1.45	-	28.50	3.53	-
PK	2.4974G	56.87	74.00	-17.13	24.77	3	Vertical	238	1.45	-	28.50	3.60	-
AV	2.4918G	43.86	54.00	-10.14	11.77	3	Vertical	238	1.45	-	28.50	3.59	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



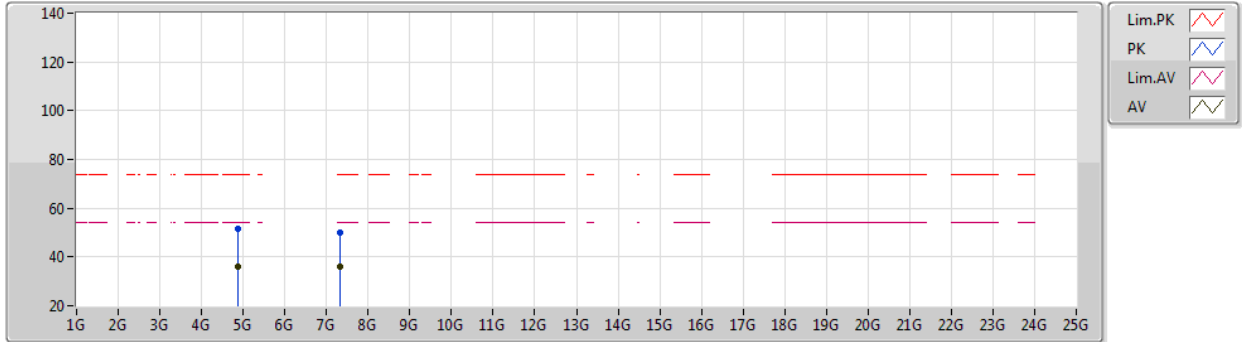
EUT Z_2TX
Setting 25
02-A-P-2

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	2.3878G	56.61	74.00	-17.39	24.67	3	Horizontal	189	1.54	-	28.44	3.50	-
AV	2.3898G	43.79	54.00	-10.21	11.84	3	Horizontal	189	1.54	-	28.45	3.50	-
PK	2.4306G	115.10	Inf	-Inf	83.07	3	Horizontal	189	1.54	-	28.50	3.53	-
AV	2.4318G	104.27	Inf	-Inf	72.24	3	Horizontal	189	1.54	-	28.50	3.53	-
PK	2.4918G	56.17	74.00	-17.83	24.08	3	Horizontal	189	1.54	-	28.50	3.59	-
AV	2.4962G	43.67	54.00	-10.33	11.57	3	Horizontal	189	1.54	-	28.50	3.60	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



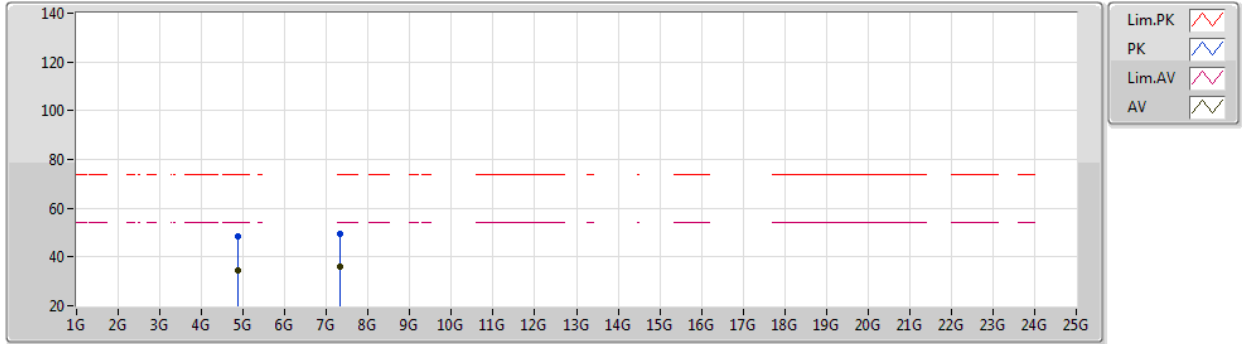
EUT_Z_2TX
Setting 25
02-A-P-2

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	4.8731G	51.55	74.00	-22.45	43.08	3	Vertical	190	1.78	-	32.99	5.84	30.36
AV	4.8739G	36.06	54.00	-17.94	27.58	3	Vertical	190	1.78	-	33.00	5.84	30.36
PK	7.31022G	49.90	74.00	-24.10	37.93	3	Vertical	164	2.13	-	36.42	6.96	31.41
AV	7.31262G	35.97	54.00	-18.03	23.99	3	Vertical	164	2.13	-	36.43	6.96	31.41

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



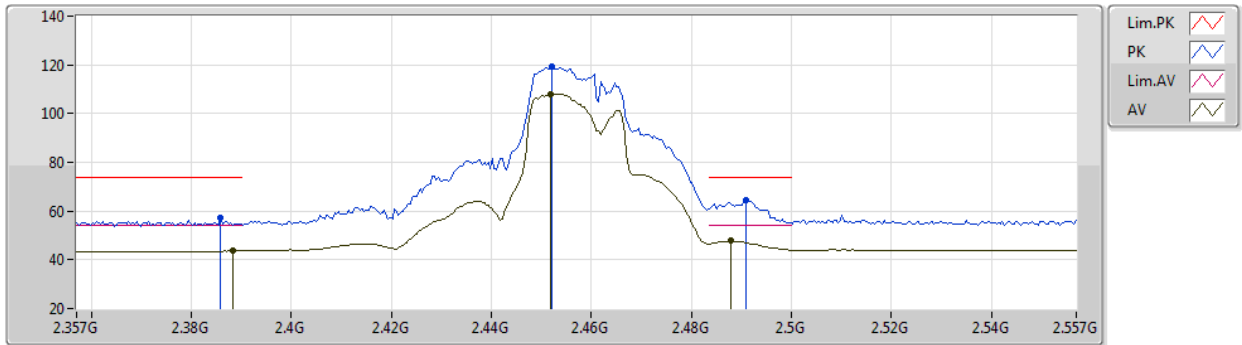
EUT_Z_2TX
Setting 25
02-A-P-2

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	4.8719G	48.33	74.00	-25.67	39.86	3	Horizontal	25	2.80	-	32.99	5.84	30.36
AV	4.8738G	34.50	54.00	-19.50	26.02	3	Horizontal	25	2.80	-	33.00	5.84	30.36
PK	7.31186G	49.69	74.00	-24.31	37.72	3	Horizontal	156	1.12	-	36.42	6.96	31.41
AV	7.3113G	35.92	54.00	-18.08	23.95	3	Horizontal	156	1.12	-	36.42	6.96	31.41

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2457MHz_TX



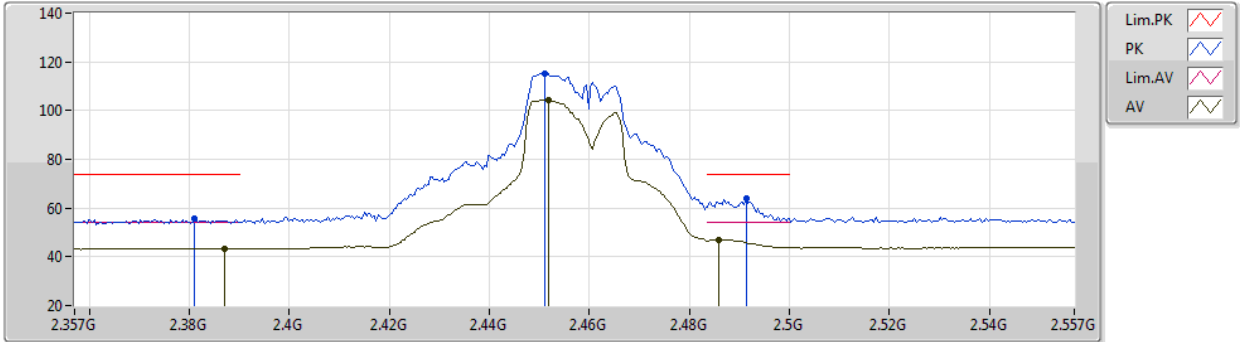
EUT Z_2TX
Setting 25
02-A-P-2

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	2.3858G	57.01	74.00	-16.99	25.08	3	Vertical	222	1.05	-	28.43	3.50	-
AV	2.3882G	43.63	54.00	-10.37	11.69	3	Vertical	222	1.05	-	28.44	3.50	-
PK	2.4522G	119.30	Inf	-Inf	87.25	3	Vertical	222	1.05	-	28.50	3.55	-
AV	2.4518G	107.88	Inf	-Inf	75.83	3	Vertical	222	1.05	-	28.50	3.55	-
PK	2.491G	64.69	74.00	-9.31	32.60	3	Vertical	222	1.05	-	28.50	3.59	-
AV	2.4878G	47.69	54.00	-6.31	15.60	3	Vertical	222	1.05	-	28.50	3.59	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2457MHz_TX



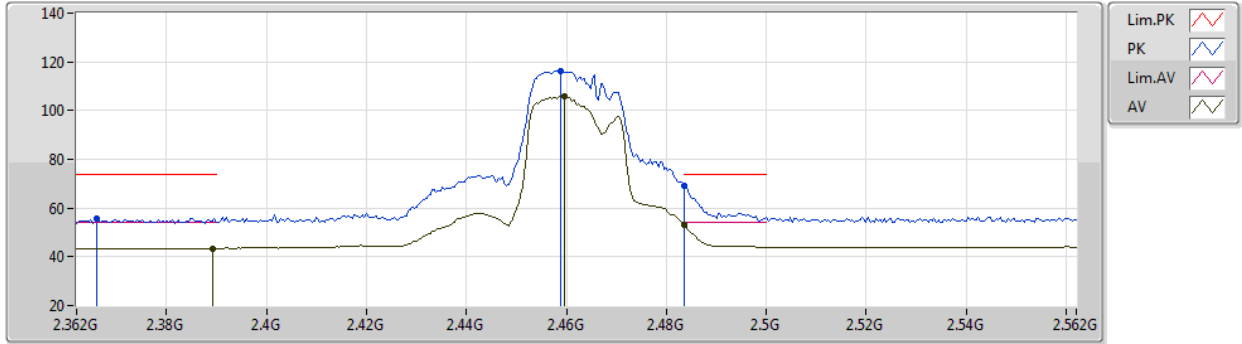
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Setting 25
02-A-P-2

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	2.381G	55.75	74.00	-18.25	23.84	3	Horizontal	186	1.00	-	28.41	3.50	-
AV	2.387G	43.35	54.00	-10.65	11.41	3	Horizontal	186	1.00	-	28.44	3.50	-
PK	2.451G	115.35	Inf	-Inf	83.30	3	Horizontal	186	1.00	-	28.50	3.55	-
AV	2.4518G	104.29	Inf	-Inf	72.24	3	Horizontal	186	1.00	-	28.50	3.55	-
PK	2.4914G	63.81	74.00	-10.19	31.72	3	Horizontal	186	1.00	-	28.50	3.59	-
AV	2.4858G	47.15	54.00	-6.85	15.06	3	Horizontal	186	1.00	-	28.50	3.59	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



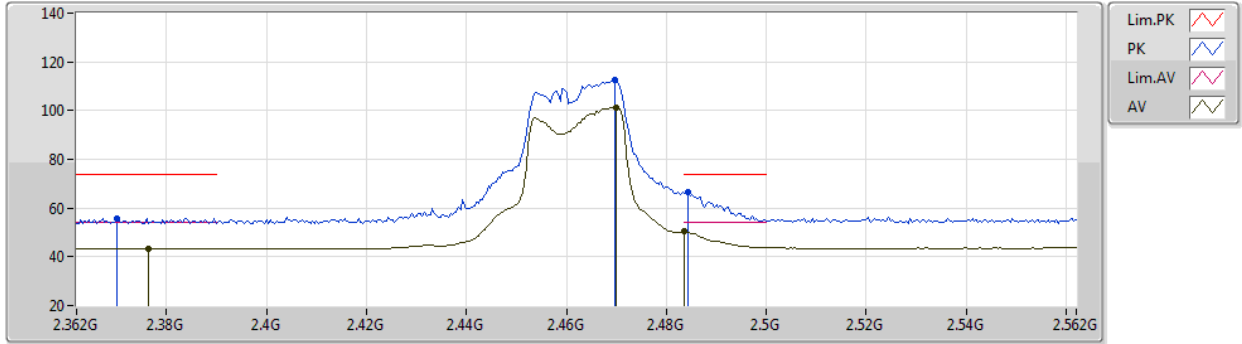
EUT_Z_2TX
Setting 20.5
02-A-P-2

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	2.366G	55.72	74.00	-18.28	23.89	3	Vertical	206	1.32	-	28.33	3.50	-
AV	2.3892G	43.49	54.00	-10.51	11.54	3	Vertical	206	1.32	-	28.45	3.50	-
PK	2.4588G	116.29	Inf	-Inf	84.23	3	Vertical	206	1.32	-	28.50	3.56	-
AV	2.4596G	105.65	Inf	-Inf	73.59	3	Vertical	206	1.32	-	28.50	3.56	-
PK	2.4835G	68.98	74.00	-5.02	36.90	3	Vertical	206	1.32	-	28.50	3.58	-
AV	2.4835G	52.92	54.00	-1.08	20.84	3	Vertical	206	1.32	-	28.50	3.58	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



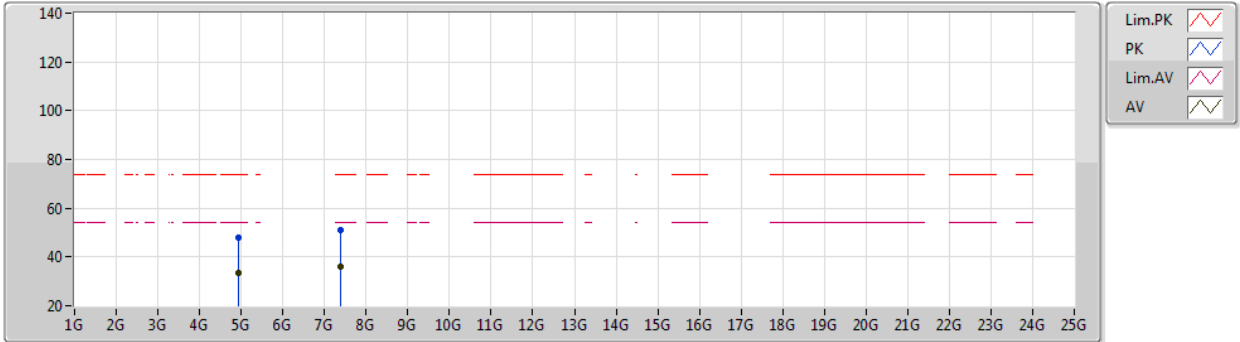
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Setting 20.5
02-A-P-2

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	2.37G	55.92	74.00	-18.08	24.07	3	Horizontal	0	2.82	-	28.35	3.50	-
AV	2.3764G	43.19	54.00	-10.81	11.31	3	Horizontal	0	2.82	-	28.38	3.50	-
PK	2.4696G	112.36	Inf	-Inf	80.29	3	Horizontal	0	2.82	-	28.50	3.57	-
AV	2.47G	101.39	Inf	-Inf	69.32	3	Horizontal	0	2.82	-	28.50	3.57	-
PK	2.4844G	66.62	74.00	-7.38	34.54	3	Horizontal	0	2.82	-	28.50	3.58	-
AV	2.4835G	50.26	54.00	-3.74	18.18	3	Horizontal	0	2.82	-	28.50	3.58	-

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



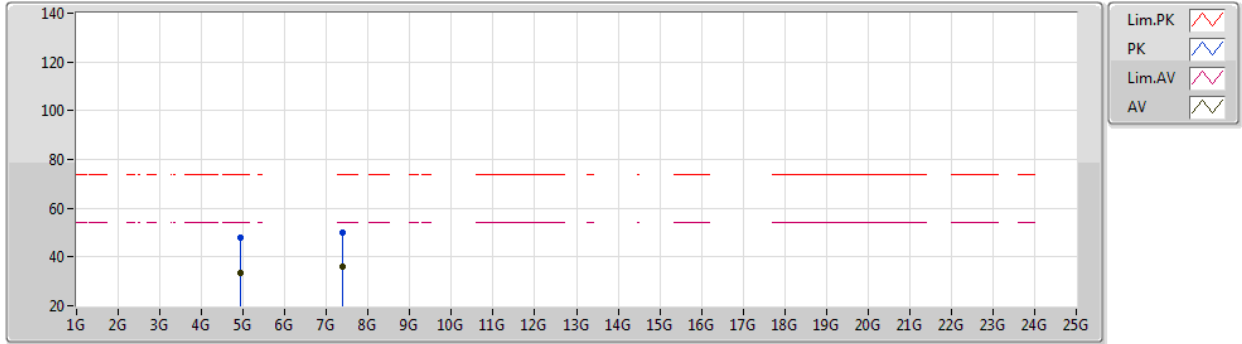
EUT_Z_2TX
Setting 20.5
02-A-P-2

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	4.92206G	47.93	74.00	-26.07	39.28	3	Vertical	288	1.09	-	33.14	5.86	30.35
AV	4.9241G	33.69	54.00	-20.31	25.03	3	Vertical	288	1.09	-	33.15	5.86	30.35
PK	7.3837G	51.19	74.00	-22.81	39.25	3	Vertical	309	1.82	-	36.57	6.83	31.46
AV	7.38868G	36.14	54.00	-17.86	24.20	3	Vertical	309	1.82	-	36.58	6.82	31.46

VHT20_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



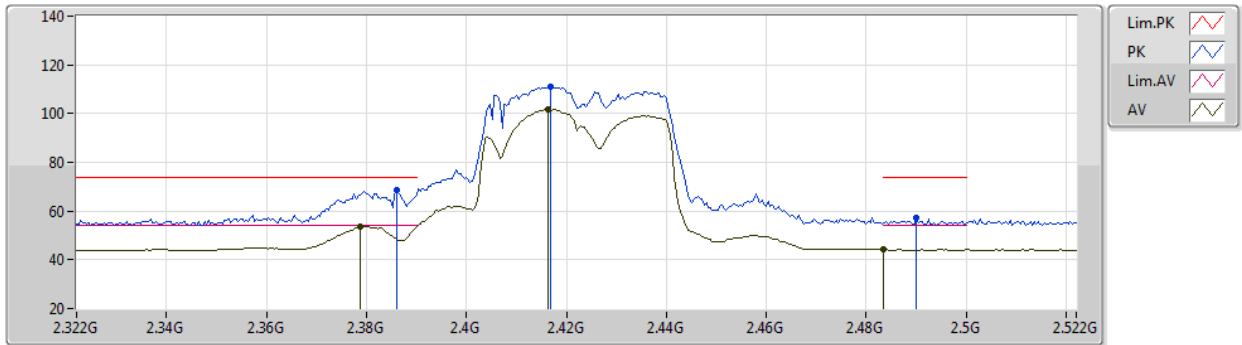
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Setting 20.5
02-A-P-2

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	4.92622G	48.10	74.00	-25.90	39.43	3	Horizontal	184	1.46	-	33.15	5.86	30.34
AV	4.9225G	33.68	54.00	-20.32	25.02	3	Horizontal	184	1.46	-	33.15	5.86	30.35
PK	7.39042G	50.17	74.00	-23.83	38.23	3	Horizontal	208	2.02	-	36.58	6.82	31.46
AV	7.38548G	36.15	54.00	-17.85	24.21	3	Horizontal	208	2.02	-	36.57	6.83	31.46

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



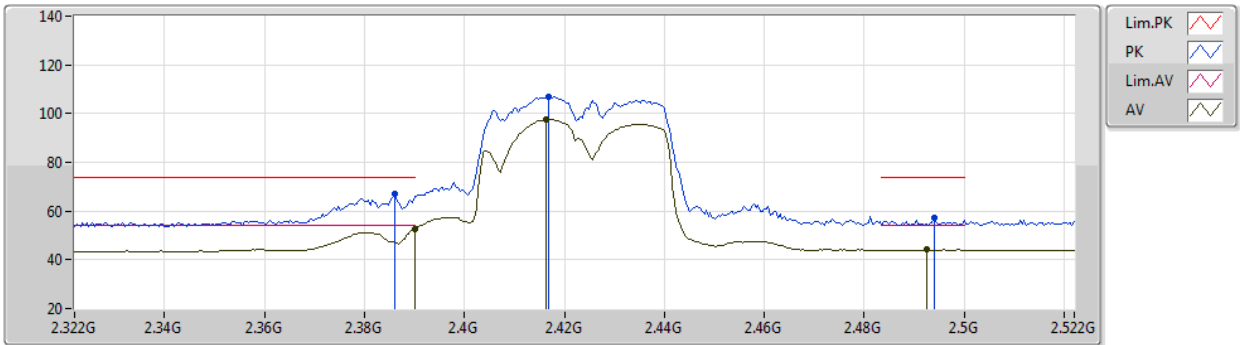
EUT Z_2TX
Setting 18.5
02-A-P-2

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	68.83	74.00	-5.17	36.90	3	Vertical	34	2.19	-	28.43	3.50	-
AV	2.3788G	53.74	54.00	-0.26	21.85	3	Vertical	34	2.19	-	28.39	3.50	-
PK	2.4168G	110.86	Inf	-Inf	78.84	3	Vertical	34	2.19	-	28.50	3.52	-
AV	2.4164G	101.72	Inf	-Inf	69.70	3	Vertical	34	2.19	-	28.50	3.52	-
PK	2.49G	57.06	74.00	-16.94	24.97	3	Vertical	34	2.19	-	28.50	3.59	-
AV	2.4835G	44.18	54.00	-9.82	12.10	3	Vertical	34	2.19	-	28.50	3.58	-

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



EUT_Z_2TX
Setting 18.5
02-A-P-2

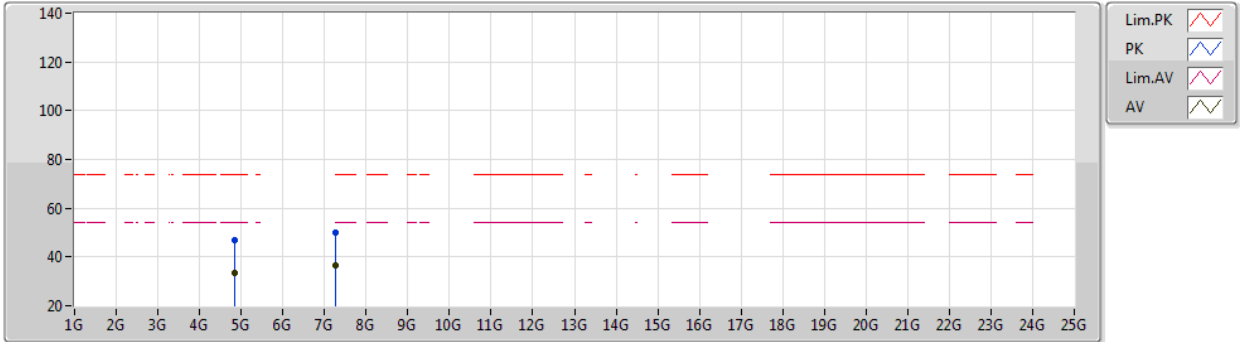
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PK	2.386G	67.08	74.00	-6.92	35.15	3	Horizontal	193	1.15	-	28.43	3.50	-
AV	2.39G	52.77	54.00	-1.23	20.82	3	Horizontal	193	1.15	-	28.45	3.50	-
PK	2.4168G	107.02	Inf	-Inf	75.00	3	Horizontal	193	1.15	-	28.50	3.52	-
AV	2.4164G	97.69	Inf	-Inf	65.67	3	Horizontal	193	1.15	-	28.50	3.52	-
PK	2.494G	57.18	74.00	-16.82	25.09	3	Horizontal	193	1.15	-	28.50	3.59	-
AV	2.4924G	44.17	54.00	-9.83	12.08	3	Horizontal	193	1.15	-	28.50	3.59	-



VHT40_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



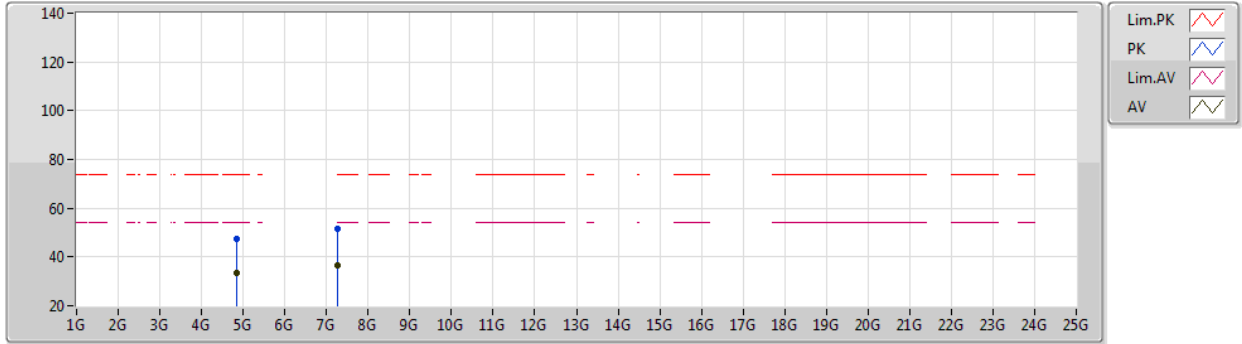
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Setting 18.5
02-A-P-2

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	4.8423G	46.73	74.00	-27.27	38.41	3	Vertical	261	1.57	-	32.87	5.82	30.37
AV	4.84244G	33.27	54.00	-20.73	24.95	3	Vertical	261	1.57	-	32.87	5.82	30.37
PK	7.26218G	49.75	74.00	-24.25	37.85	3	Vertical	132	1.84	-	36.21	7.06	31.37
AV	7.26666G	36.62	54.00	-17.38	24.71	3	Vertical	132	1.84	-	36.23	7.05	31.37

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



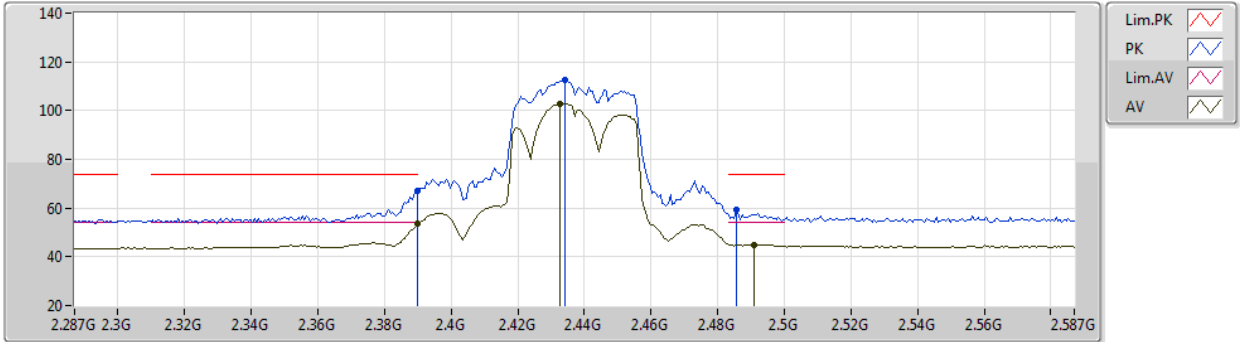
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Setting 18.5
02-A-P-2

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	4.8447G	47.57	74.00	-26.43	39.24	3	Horizontal	139	1.75	-	32.88	5.82	30.37
AV	4.84252G	33.44	54.00	-20.56	25.12	3	Horizontal	139	1.75	-	32.87	5.82	30.37
PK	7.26146G	51.49	74.00	-22.51	39.59	3	Horizontal	131	1.25	-	36.21	7.06	31.37
AV	7.2667G	36.41	54.00	-17.59	24.50	3	Horizontal	131	1.25	-	36.23	7.05	31.37

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



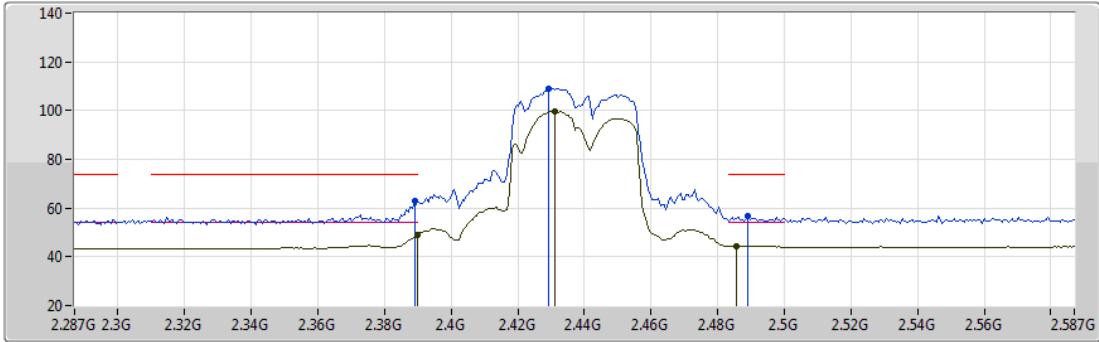
EUT_Z_2TX
Setting 19.5
02-A-P-2





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	66.97	74.00	-7.03	35.02	3	Vertical	237	1.55	-	28.45	3.50	-
AV	2.39G	53.67	54.00	-0.33	21.72	3	Vertical	237	1.55	-	28.45	3.50	-
PK	2.434G	112.54	Inf	-Inf	80.51	3	Vertical	237	1.55	-	28.50	3.53	-
AV	2.4328G	102.66	Inf	-Inf	70.63	3	Vertical	237	1.55	-	28.50	3.53	-
PK	2.4856G	59.07	74.00	-14.93	26.98	3	Vertical	237	1.55	-	28.50	3.59	-
AV	2.491G	45.04	54.00	-8.96	12.95	3	Vertical	237	1.55	-	28.50	3.59	-

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

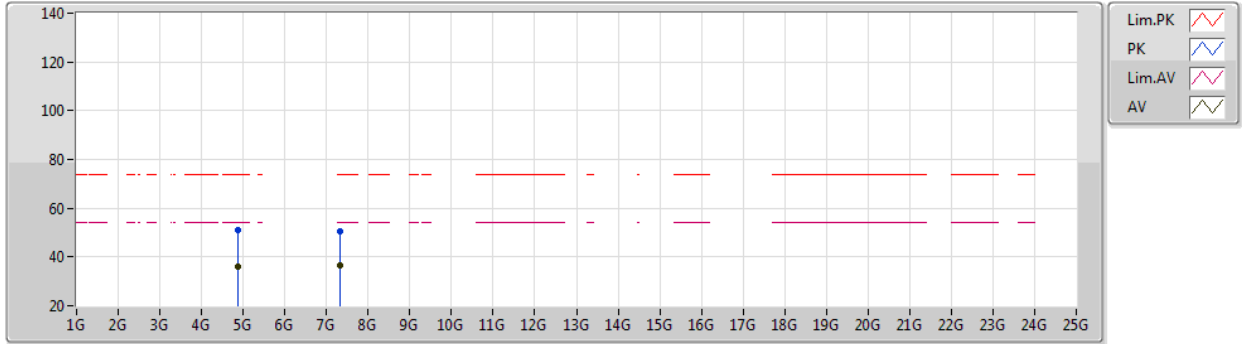
EUT Z_2TX
Setting 19.5
02-A-P-2

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	62.87	74.00	-11.13	30.92	3	Horizontal	187	1.55	-	28.45	3.50	-
AV	2.39G	49.02	54.00	-4.98	17.07	3	Horizontal	187	1.55	-	28.45	3.50	-
PK	2.4292G	109.08	Inf	-Inf	77.05	3	Horizontal	187	1.55	-	28.50	3.53	-
AV	2.431G	99.68	Inf	-Inf	67.65	3	Horizontal	187	1.55	-	28.50	3.53	-
PK	2.4892G	56.68	74.00	-17.32	24.59	3	Horizontal	187	1.55	-	28.50	3.59	-
AV	2.4856G	44.47	54.00	-9.53	12.38	3	Horizontal	187	1.55	-	28.50	3.59	-

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



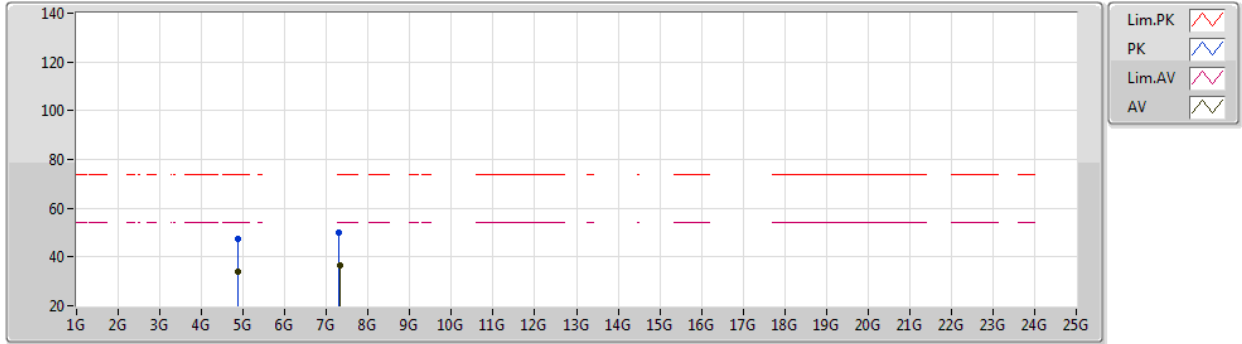
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Setting 19.5
02-A-P-2

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	4.87314G	50.83	74.00	-23.17	42.36	3	Vertical	296	1.83	-	32.99	5.84	30.36
AV	4.87428G	36.09	54.00	-17.91	27.61	3	Vertical	296	1.83	-	33.00	5.84	30.36
PK	7.31056G	50.34	74.00	-23.66	38.37	3	Vertical	130	1.76	-	36.42	6.96	31.41
AV	7.31198G	36.76	54.00	-17.24	24.79	3	Vertical	130	1.76	-	36.42	6.96	31.41

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



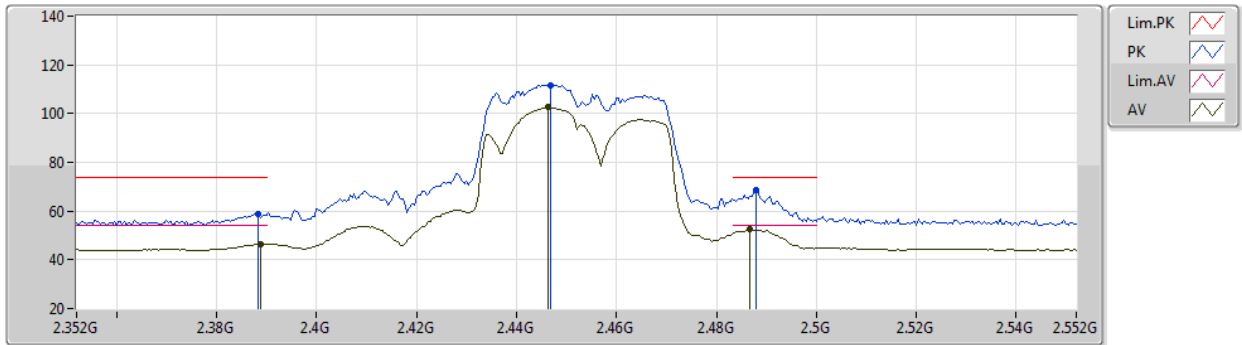
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Setting 19.5
02-A-P-2

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	4.87866G	47.47	74.00	-26.53	38.98	3	Horizontal	251	2.35	-	33.01	5.84	30.36
AV	4.87706G	33.73	54.00	-20.27	25.24	3	Horizontal	251	2.35	-	33.01	5.84	30.36
PK	7.30762G	49.84	74.00	-24.16	37.86	3	Horizontal	286	2.08	-	36.42	6.97	31.41
AV	7.31332G	36.74	54.00	-17.26	24.76	3	Horizontal	286	2.08	-	36.43	6.96	31.41

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX



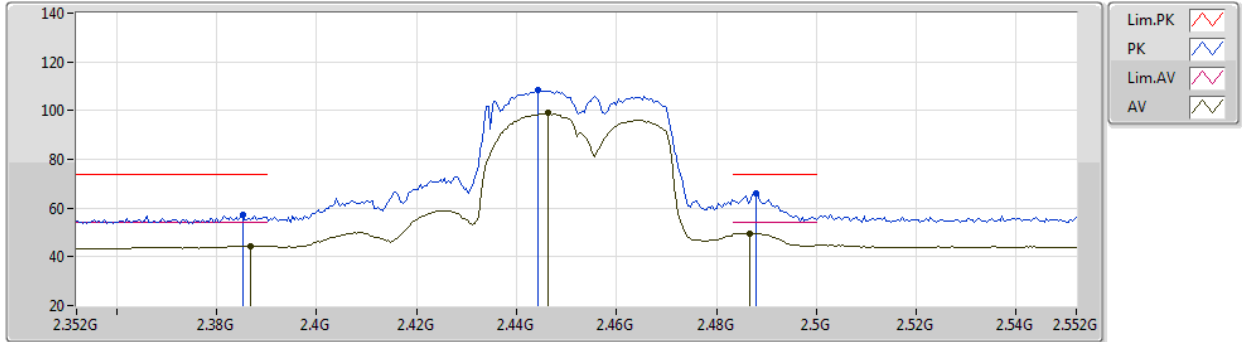
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Setting 19
02-A-P-2

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	2.3884G	58.75	74.00	-15.25	26.81	3	Vertical	237	1.46	-	28.44	3.50	-
AV	2.3888G	46.62	54.00	-7.38	14.68	3	Vertical	237	1.46	-	28.44	3.50	-
PK	2.4468G	111.71	Inf	-Inf	79.66	3	Vertical	237	1.46	-	28.50	3.55	-
AV	2.4464G	102.53	Inf	-Inf	70.48	3	Vertical	237	1.46	-	28.50	3.55	-
PK	2.488G	68.54	74.00	-5.46	36.45	3	Vertical	237	1.46	-	28.50	3.59	-
AV	2.4868G	52.48	54.00	-1.52	20.39	3	Vertical	237	1.46	-	28.50	3.59	-

VHT40_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX



EUT Z_2TX
Setting 19
02-A-P-2

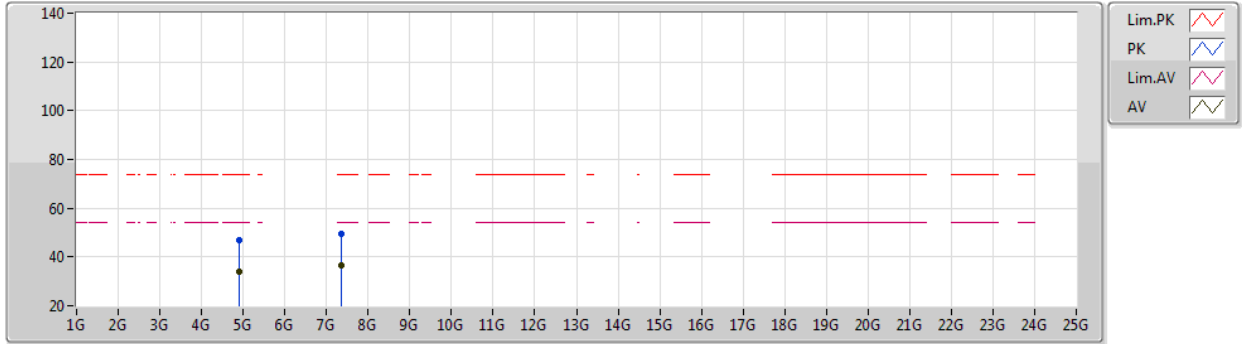
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	57.11	74.00	-16.89	25.18	3	Horizontal	185	1.00	-	28.43	3.50	-
AV	2.3868G	44.55	54.00	-9.45	12.62	3	Horizontal	185	1.00	-	28.43	3.50	-
PK	2.4444G	108.21	Inf	-Inf	76.17	3	Horizontal	185	1.00	-	28.50	3.54	-
AV	2.4464G	98.89	Inf	-Inf	66.84	3	Horizontal	185	1.00	-	28.50	3.55	-
PK	2.488G	66.11	74.00	-7.89	34.02	3	Horizontal	185	1.00	-	28.50	3.59	-
AV	2.4868G	49.63	54.00	-4.37	17.54	3	Horizontal	185	1.00	-	28.50	3.59	-



VHT40_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX



EUT_Z_2TX
Setting 19
02-A-P-2

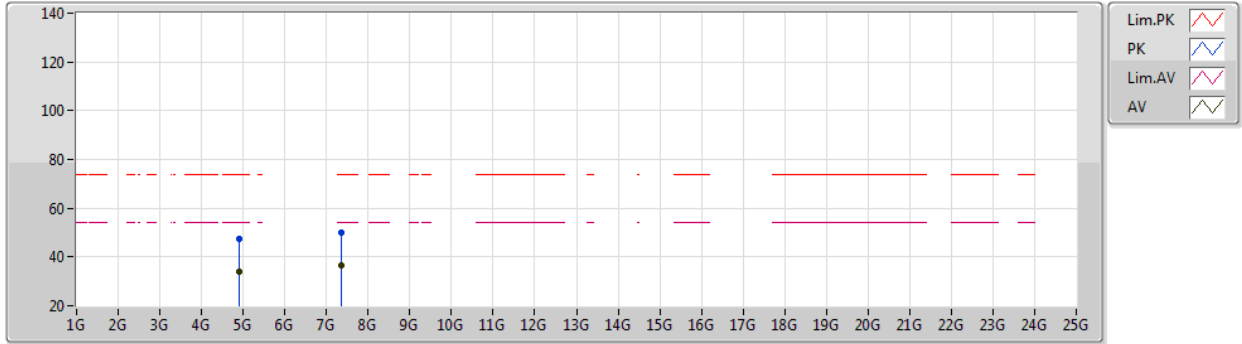
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90792G	46.65	74.00	-27.35	38.03	3	Vertical	117	2.14	-	33.12	5.85	30.35
AV	4.90398G	33.88	54.00	-20.12	25.27	3	Vertical	117	2.14	-	33.11	5.85	30.35
PK	7.3579G	49.58	74.00	-24.42	37.62	3	Vertical	181	2.16	-	36.52	6.88	31.44
AV	7.35578G	36.30	54.00	-17.70	24.35	3	Vertical	181	2.16	-	36.51	6.88	31.44



VHT40_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX



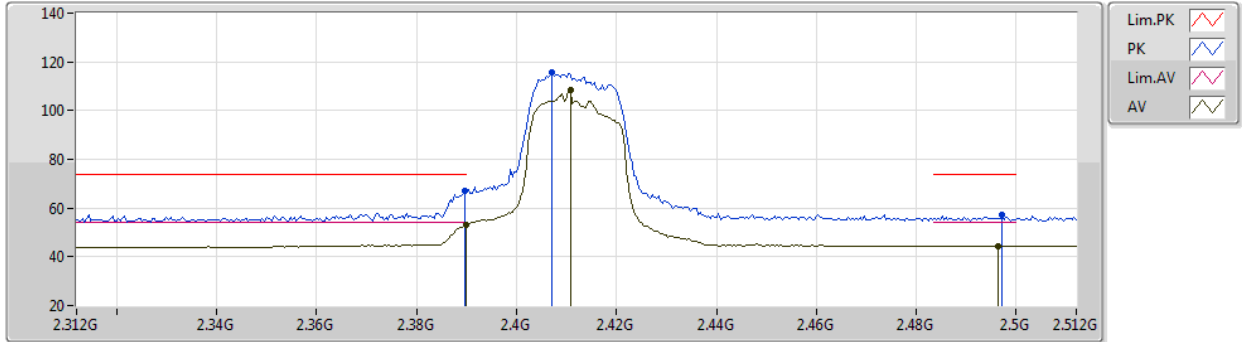
EUT_Z_2TX
Setting 19
02-A-P-2

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	4.90808G	47.16	74.00	-26.84	38.54	3	Horizontal	155	1.85	-	33.12	5.85	30.35
AV	4.90232G	33.82	54.00	-20.18	25.22	3	Horizontal	155	1.85	-	33.10	5.85	30.35
PK	7.35994G	49.96	74.00	-24.04	38.01	3	Horizontal	247	1.24	-	36.52	6.87	31.44
AV	7.36044G	36.32	54.00	-17.68	24.37	3	Horizontal	247	1.24	-	36.52	6.87	31.44

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



EUT Z_2TX
Setting 22
02-A-P-2

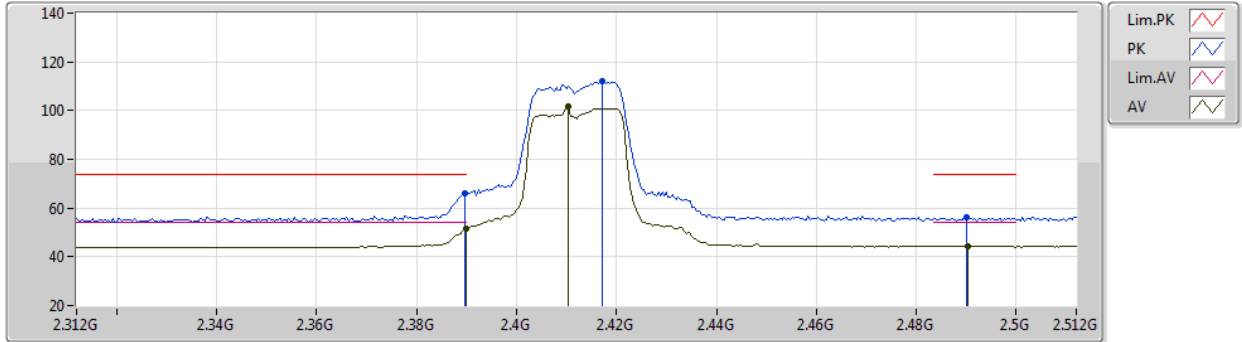
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	67.23	74.00	-6.77	35.28	3	Vertical	298	1.96	-	28.45	3.50	-
AV	2.39G	53.34	54.00	-0.66	21.39	3	Vertical	298	1.96	-	28.45	3.50	-
PK	2.4072G	115.56	Inf	-Inf	83.55	3	Vertical	298	1.96	-	28.50	3.51	-
AV	2.4108G	108.63	Inf	-Inf	76.62	3	Vertical	298	1.96	-	28.50	3.51	-
PK	2.4972G	57.10	74.00	-16.90	25.00	3	Vertical	298	1.96	-	28.50	3.60	-
AV	2.4964G	44.46	54.00	-9.54	12.36	3	Vertical	298	1.96	-	28.50	3.60	-



VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



EUT Z_2TX
Setting 22
02-A-P-2

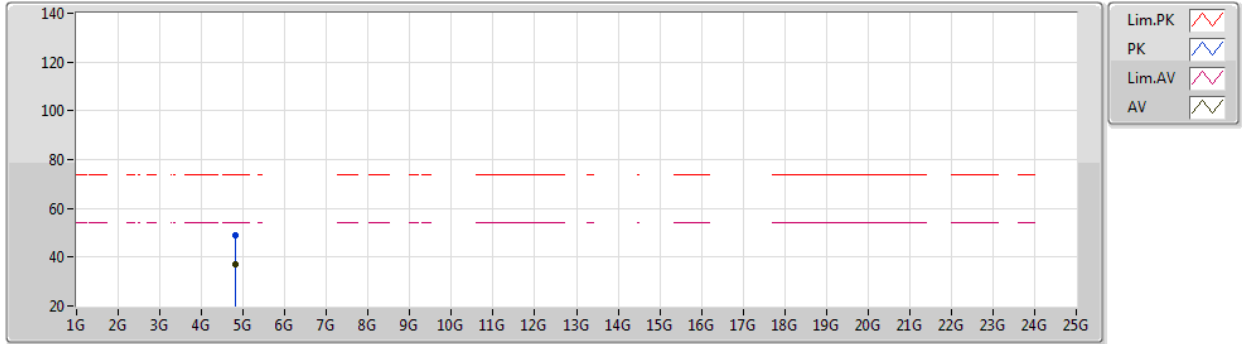
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	65.85	74.00	-8.15	33.90	3	Horizontal	188	1.29	-	28.45	3.50	-
AV	2.39G	51.39	54.00	-2.61	19.44	3	Horizontal	188	1.29	-	28.45	3.50	-
PK	2.4172G	112.26	Inf	-Inf	80.24	3	Horizontal	188	1.29	-	28.50	3.52	-
AV	2.4104G	101.56	Inf	-Inf	69.55	3	Horizontal	188	1.29	-	28.50	3.51	-
PK	2.49G	56.31	74.00	-17.69	24.22	3	Horizontal	188	1.29	-	28.50	3.59	-
AV	2.4904G	44.52	54.00	-9.48	12.43	3	Horizontal	188	1.29	-	28.50	3.59	-



VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



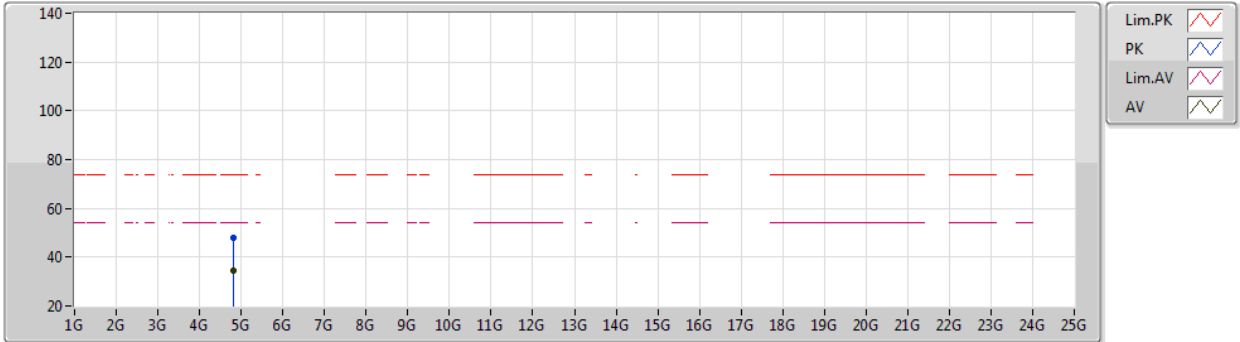
EUT Z_2TX
Setting 22
02-A-P-2

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	4.82213G	49.00	74.00	-25.00	40.77	3	Vertical	26	2.92	-	32.79	5.81	30.37
AV	4.82394G	37.02	54.00	-16.98	28.78	3	Vertical	26	2.92	-	32.80	5.81	30.37

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2412MHz_TX



EUT_Z_2TX
Setting 22
02-A-P-2

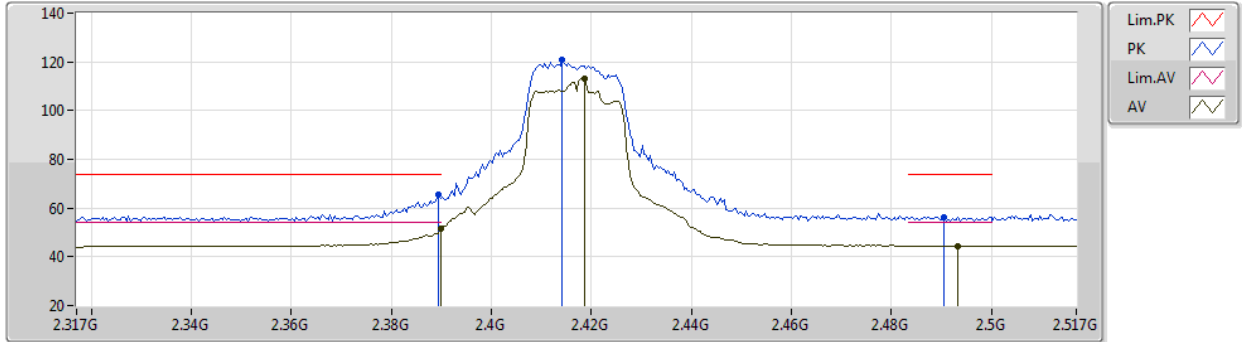
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PK	4.82319G	48.18	74.00	-25.82	39.95	3	Horizontal	210	3.00	-	32.79	5.81	30.37
AV	4.82398G	34.72	54.00	-19.28	26.48	3	Horizontal	210	3.00	-	32.80	5.81	30.37



VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2417MHz_TX



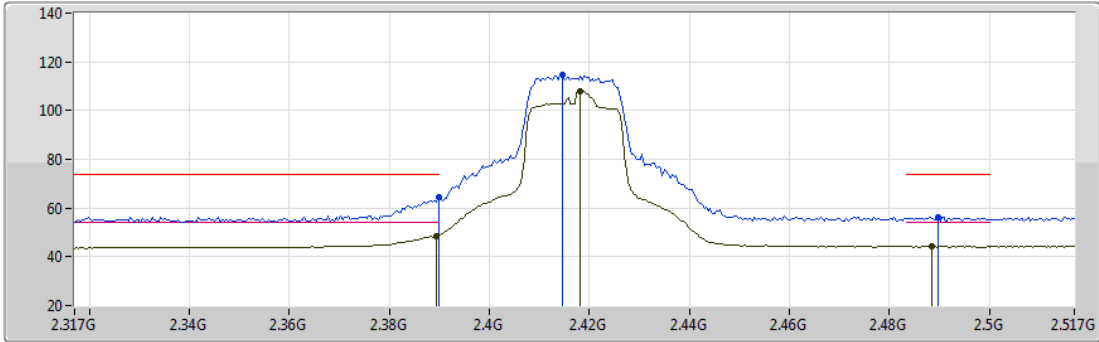
EUT Z_2TX
Setting 25
02-A-P-2

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	65.46	74.00	-8.54	33.51	3	Vertical	34	2.19	-	28.45	3.50	-
AV	2.3898G	51.41	54.00	-2.59	19.46	3	Vertical	34	2.19	-	28.45	3.50	-
PK	2.4142G	120.95	Inf	-Inf	88.94	3	Vertical	34	2.19	-	28.50	3.51	-
AV	2.4186G	113.12	Inf	-Inf	81.10	3	Vertical	34	2.19	-	28.50	3.52	-
PK	2.4906G	56.38	74.00	-17.62	24.29	3	Vertical	34	2.19	-	28.50	3.59	-
AV	2.4934G	44.54	54.00	-9.46	12.45	3	Vertical	34	2.19	-	28.50	3.59	-

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2417MHz_TX



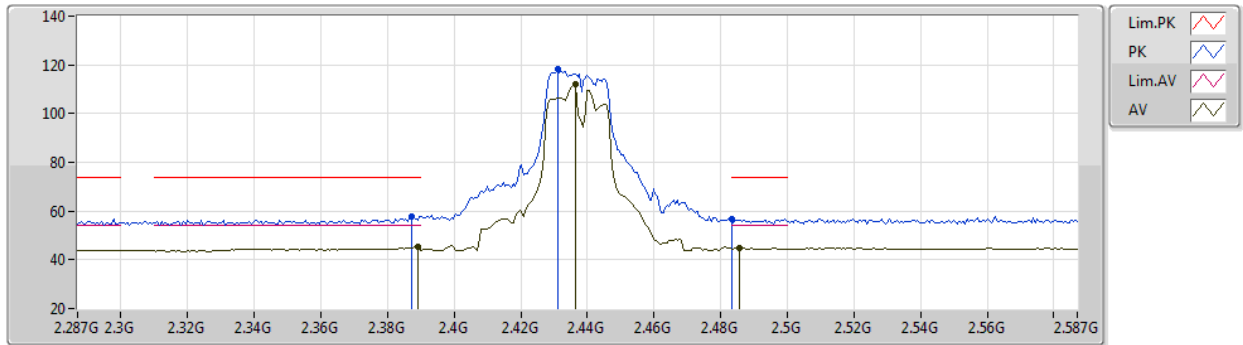
EUT_Z_2TX
Setting 25
02-A-P-2

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	2.3898G	64.43	74.00	-9.57	32.48	3	Horizontal	192	1.80	-	28.45	3.50	-
AV	2.3894G	48.66	54.00	-5.34	16.71	3	Horizontal	192	1.80	-	28.45	3.50	-
PK	2.4146G	114.45	Inf	-Inf	82.44	3	Horizontal	192	1.80	-	28.50	3.51	-
AV	2.4182G	107.83	Inf	-Inf	75.81	3	Horizontal	192	1.80	-	28.50	3.52	-
PK	2.4898G	56.38	74.00	-17.62	24.29	3	Horizontal	192	1.80	-	28.50	3.59	-
AV	2.4886G	44.28	54.00	-9.72	12.19	3	Horizontal	192	1.80	-	28.50	3.59	-

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



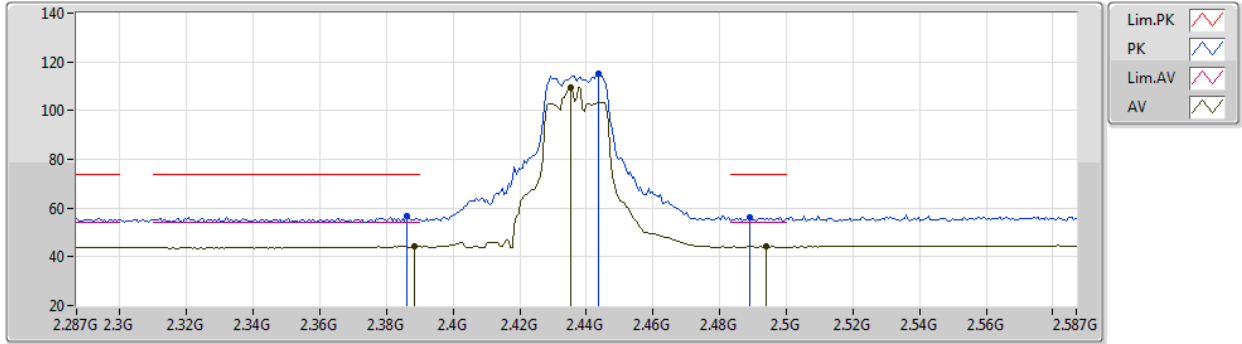
EUT Z_2TX
Setting 25
02-A-P-2

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	2.3872G	57.99	74.00	-16.01	26.05	3	Vertical	67	1.44	-	28.44	3.50	-
AV	2.389G	45.34	54.00	-8.66	13.39	3	Vertical	67	1.44	-	28.45	3.50	-
PK	2.431G	118.41	Inf	-Inf	86.38	3	Vertical	67	1.44	-	28.50	3.53	-
AV	2.4364G	112.06	Inf	-Inf	80.02	3	Vertical	67	1.44	-	28.50	3.54	-
PK	2.4835G	56.98	74.00	-17.02	24.90	3	Vertical	67	1.44	-	28.50	3.58	-
AV	2.4856G	44.66	54.00	-9.34	12.57	3	Vertical	67	1.44	-	28.50	3.59	-

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



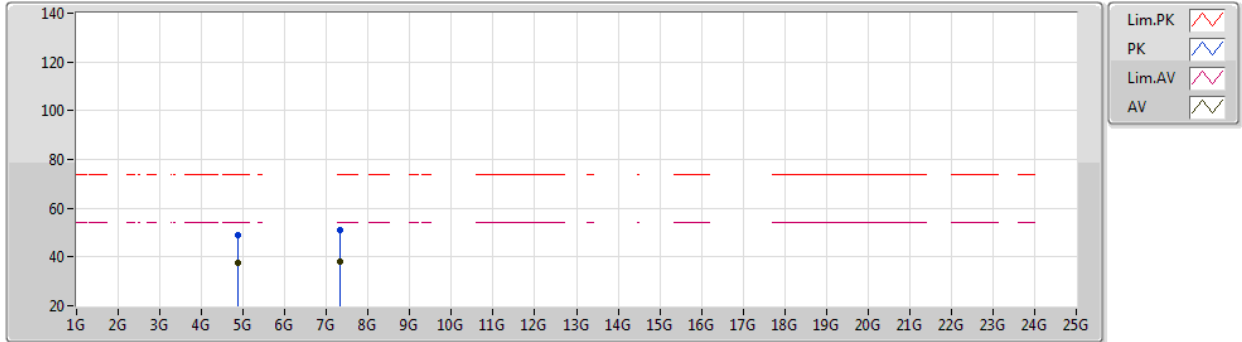
EUT Z_2TX
Setting 25
02-A-P-2

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	56.55	74.00	-17.45	24.62	3	Horizontal	0	2.94	-	28.43	3.50	-
AV	2.3884G	44.33	54.00	-9.67	12.39	3	Horizontal	0	2.94	-	28.44	3.50	-
PK	2.4436G	115.27	Inf	-Inf	83.23	3	Horizontal	0	2.94	-	28.50	3.54	-
AV	2.4352G	109.61	Inf	-Inf	77.57	3	Horizontal	0	2.94	-	28.50	3.54	-
PK	2.4892G	56.11	74.00	-17.89	24.02	3	Horizontal	0	2.94	-	28.50	3.59	-
AV	2.494G	44.13	54.00	-9.87	12.04	3	Horizontal	0	2.94	-	28.50	3.59	-

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



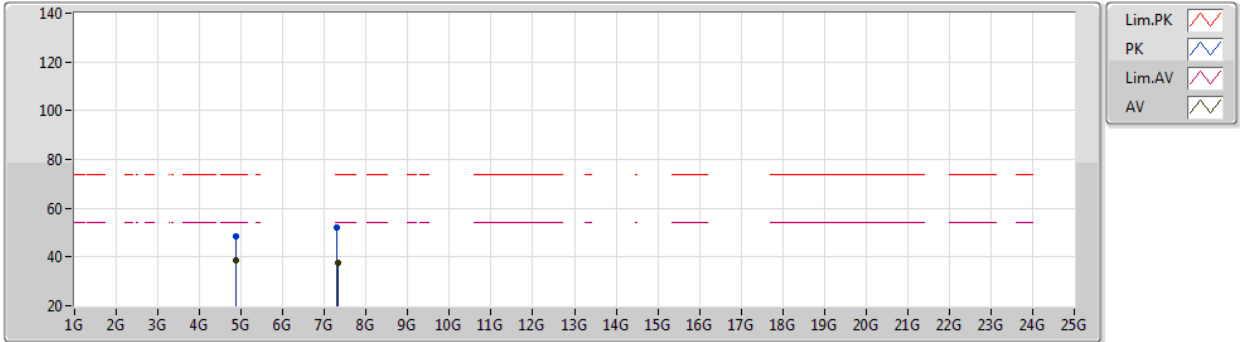
EUT_Z_2TX
Setting 25
02-A-P-2

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	4.87403G	48.98	74.00	-25.02	40.50	3	Vertical	190	1.99	-	33.00	5.84	30.36
AV	4.87388G	37.84	54.00	-16.16	29.36	3	Vertical	190	1.99	-	33.00	5.84	30.36
PK	7.31208G	51.00	74.00	-23.00	39.03	3	Vertical	172	1.97	-	36.42	6.96	31.41
AV	7.31158G	38.26	54.00	-15.74	26.29	3	Vertical	172	1.97	-	36.42	6.96	31.41

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



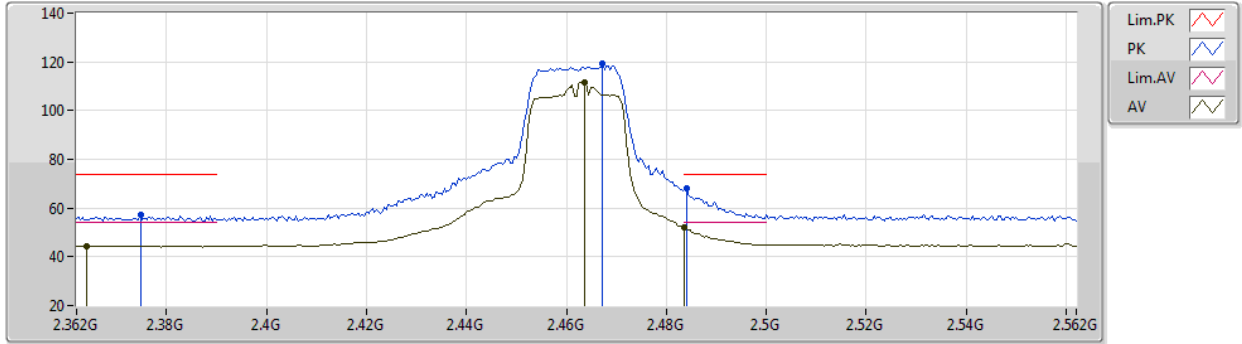
EUT_Z_2TX
Setting 25
02-A-P-2

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	4.86424G	48.22	74.00	-25.78	39.79	3	Horizontal	26	2.95	-	32.96	5.83	30.36
AV	4.87388G	38.79	54.00	-15.21	30.31	3	Horizontal	26	2.95	-	33.00	5.84	30.36
PK	7.30962G	51.98	74.00	-22.02	40.01	3	Horizontal	141	1.48	-	36.42	6.96	31.41
AV	7.3129G	37.70	54.00	-16.30	25.72	3	Horizontal	141	1.48	-	36.43	6.96	31.41

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



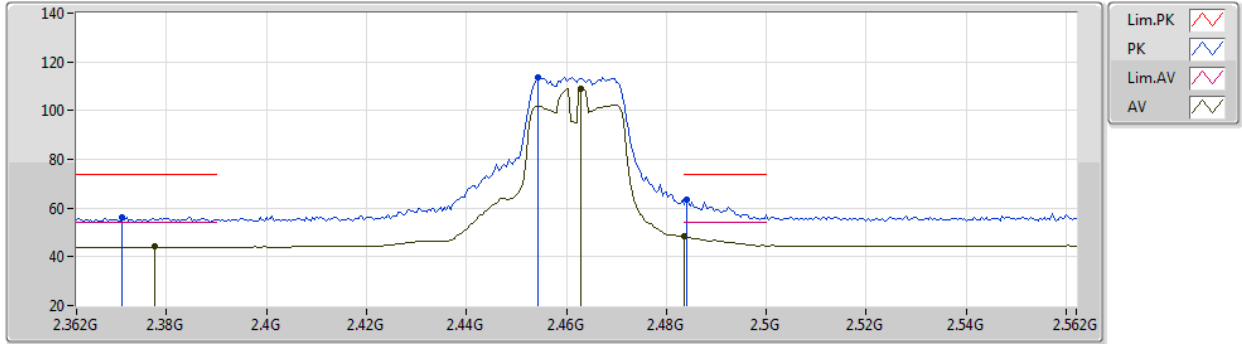
EUT Z_2TX
Setting 24
02-A-P-2

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	2.3748G	57.07	74.00	-16.93	25.20	3	Vertical	195	1.05	-	28.37	3.50	-
AV	2.364G	44.47	54.00	-9.53	12.65	3	Vertical	195	1.05	-	28.32	3.50	-
PK	2.4672G	119.23	Inf	-Inf	87.16	3	Vertical	195	1.05	-	28.50	3.57	-
AV	2.4636G	111.75	Inf	-Inf	79.69	3	Vertical	195	1.05	-	28.50	3.56	-
PK	2.484G	68.19	74.00	-5.81	36.11	3	Vertical	195	1.05	-	28.50	3.58	-
AV	2.4835G	51.91	54.00	-2.09	19.83	3	Vertical	195	1.05	-	28.50	3.58	-

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



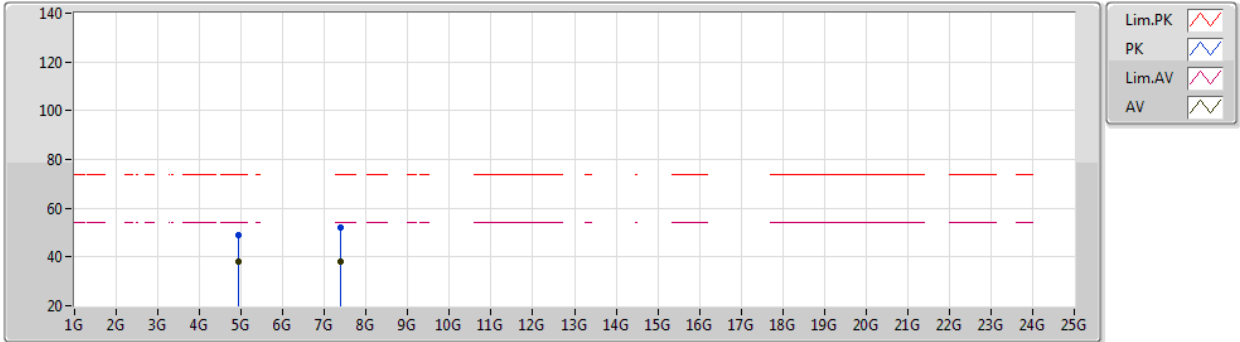
EUT Z_2TX
Setting 24
02-A-P-2

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	2.3712G	56.15	74.00	-17.85	24.29	3	Horizontal	3	2.59	-	28.36	3.50	-
AV	2.3776G	44.07	54.00	-9.93	12.18	3	Horizontal	3	2.59	-	28.39	3.50	-
PK	2.4544G	113.64	Inf	-Inf	81.59	3	Horizontal	3	2.59	-	28.50	3.55	-
AV	2.4628G	109.05	Inf	-Inf	76.99	3	Horizontal	3	2.59	-	28.50	3.56	-
PK	2.484G	63.43	74.00	-10.57	31.35	3	Horizontal	3	2.59	-	28.50	3.58	-
AV	2.4835G	48.35	54.00	-5.65	16.27	3	Horizontal	3	2.59	-	28.50	3.58	-

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



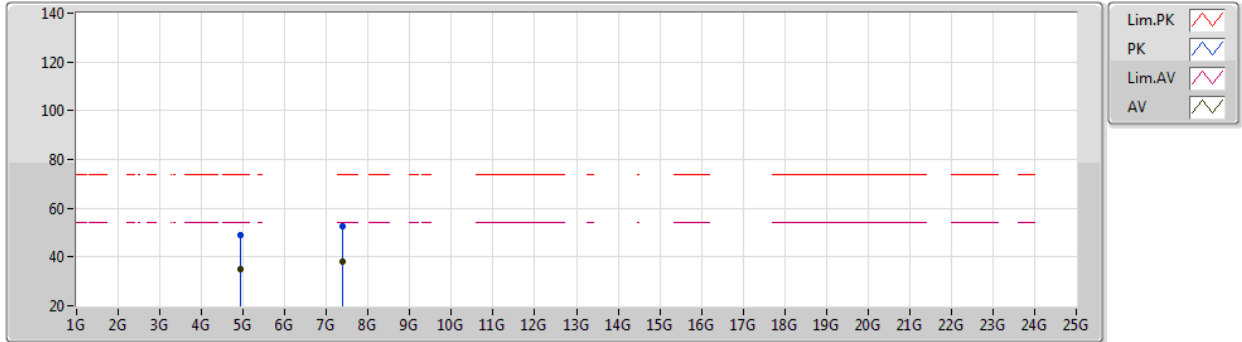
EUT_Z_2TX
Setting 24
02-A-P-2

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	4.92092G	49.12	74.00	-24.88	40.47	3	Vertical	30	1.00	-	33.14	5.86	30.35
AV	4.92396G	38.36	54.00	-15.64	29.70	3	Vertical	30	1.00	-	33.15	5.86	30.35
PK	7.38648G	51.94	74.00	-22.06	40.01	3	Vertical	194	2.13	-	36.57	6.82	31.46
AV	7.38598G	38.07	54.00	-15.93	26.13	3	Vertical	194	2.13	-	36.57	6.83	31.46

VHT20-BF_Nss1,(MCS0)_2TX

17/01/2020

2462MHz_TX



EUT_Z_2TX
Setting 24
02-A-P-2

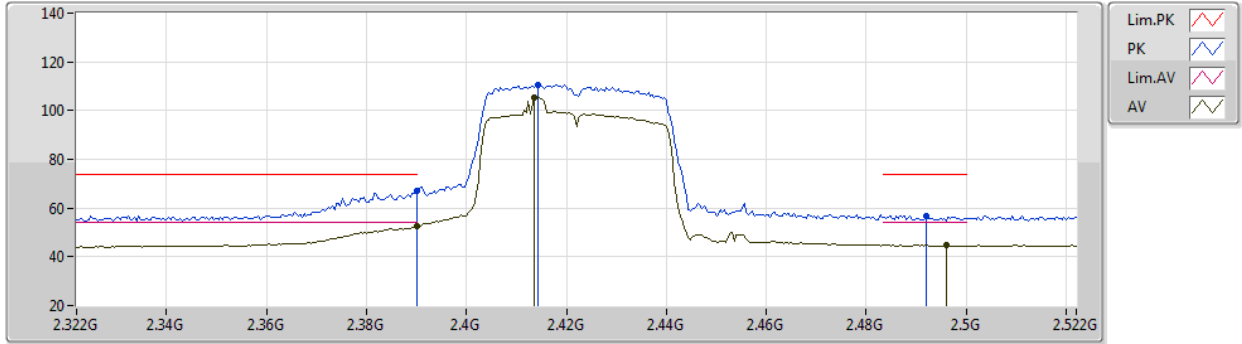
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92064G	48.89	74.00	-25.11	40.24	3	Horizontal	273	1.25	-	33.14	5.86	30.35
AV	4.92382G	35.03	54.00	-18.97	26.37	3	Horizontal	273	1.25	-	33.15	5.86	30.35
PK	7.3846G	52.42	74.00	-21.58	40.48	3	Horizontal	23	1.57	-	36.57	6.83	31.46
AV	7.38654G	37.99	54.00	-16.01	26.06	3	Horizontal	23	1.57	-	36.57	6.82	31.46



VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



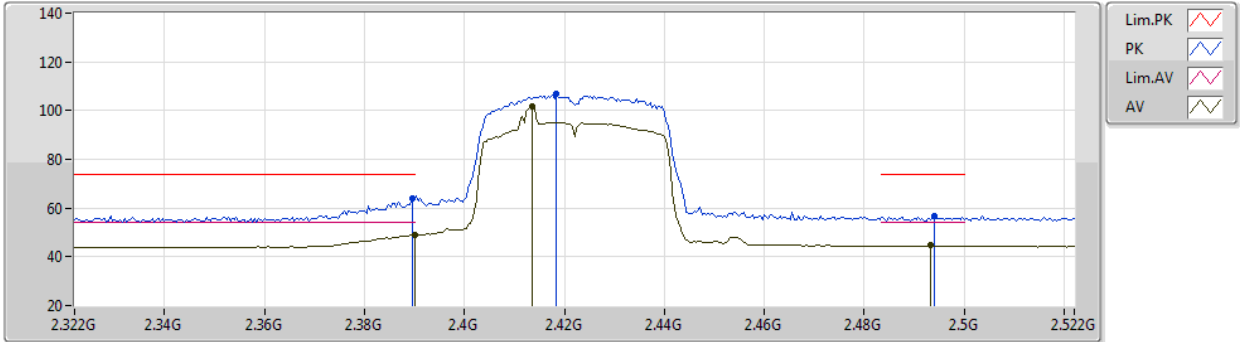
EUT_Z_2TX
Setting 19
02-A-P-2

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	66.98	74.00	-7.02	35.03	3	Vertical	200	1.12	-	28.45	3.50	-
AV	2.39G	52.57	54.00	-1.43	20.62	3	Vertical	200	1.12	-	28.45	3.50	-
PK	2.4144G	110.38	Inf	-Inf	78.37	3	Vertical	200	1.12	-	28.50	3.51	-
AV	2.4136G	105.57	Inf	-Inf	73.56	3	Vertical	200	1.12	-	28.50	3.51	-
PK	2.492G	56.96	74.00	-17.04	24.87	3	Vertical	200	1.12	-	28.50	3.59	-
AV	2.496G	44.91	54.00	-9.09	12.81	3	Vertical	200	1.12	-	28.50	3.60	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



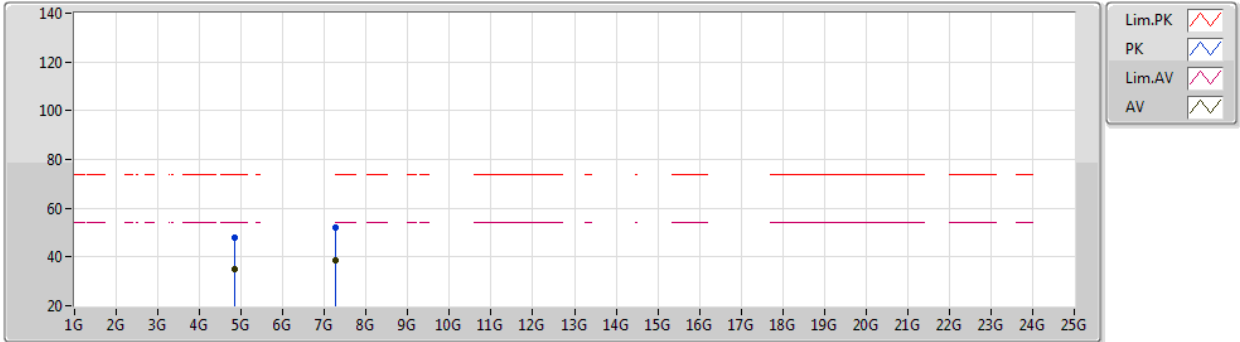
EUT_Z_2TX
Setting 19
02-A-P-2

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	64.12	74.00	-9.88	32.17	3	Horizontal	190	1.53	-	28.45	3.50	-
AV	2.39G	48.91	54.00	-5.09	16.96	3	Horizontal	190	1.53	-	28.45	3.50	-
PK	2.4184G	106.82	Inf	-Inf	74.80	3	Horizontal	190	1.53	-	28.50	3.52	-
AV	2.4136G	101.62	Inf	-Inf	69.61	3	Horizontal	190	1.53	-	28.50	3.51	-
PK	2.494G	56.77	74.00	-17.23	24.68	3	Horizontal	190	1.53	-	28.50	3.59	-
AV	2.4932G	44.57	54.00	-9.43	12.48	3	Horizontal	190	1.53	-	28.50	3.59	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



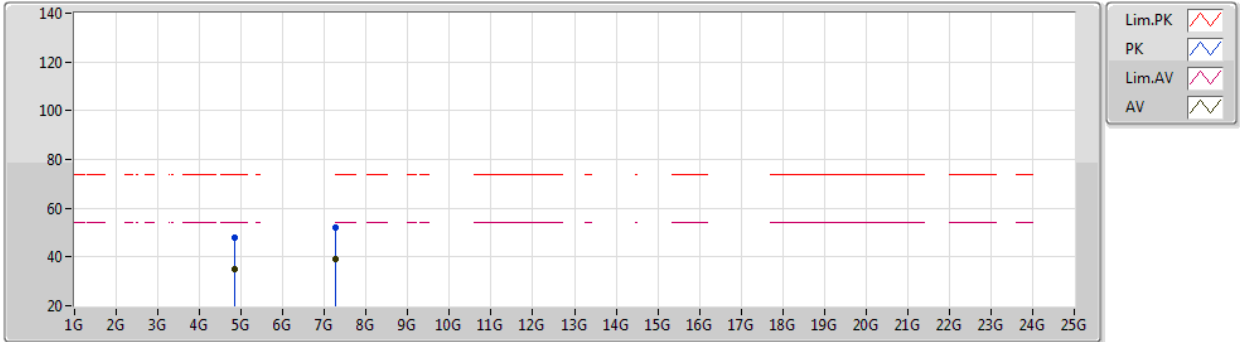
EUT_Z_2TX
Setting 19
02-A-P-2

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	4.8488G	47.92	74.00	-26.08	39.57	3	Vertical	276	1.35	-	32.90	5.82	30.37
AV	4.84398G	34.77	54.00	-19.23	26.44	3	Vertical	276	1.35	-	32.88	5.82	30.37
PK	7.26758G	52.30	74.00	-21.70	40.38	3	Vertical	320	1.98	-	36.24	7.05	31.37
AV	7.26354G	38.54	54.00	-15.46	26.63	3	Vertical	320	1.98	-	36.22	7.06	31.37

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2422MHz_TX



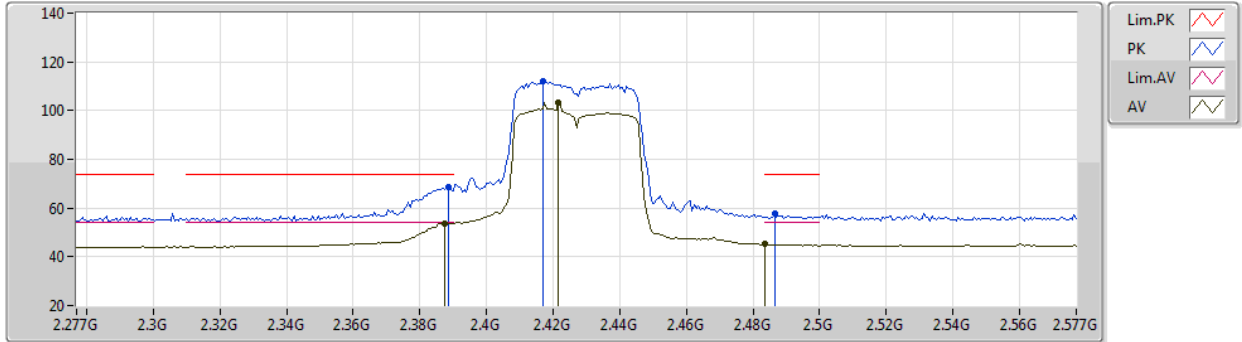
EUT_Z_2TX
Setting 19
02-A-P-2

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	4.8398G	47.78	74.00	-26.22	39.47	3	Horizontal	298	1.15	-	32.86	5.82	30.37
AV	4.84898G	34.84	54.00	-19.16	26.49	3	Horizontal	298	1.15	-	32.90	5.82	30.37
PK	7.2658G	52.16	74.00	-21.84	40.24	3	Horizontal	165	1.94	-	36.23	7.06	31.37
AV	7.26354G	38.89	54.00	-15.11	26.98	3	Horizontal	165	1.94	-	36.22	7.06	31.37

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2427MHz_TX



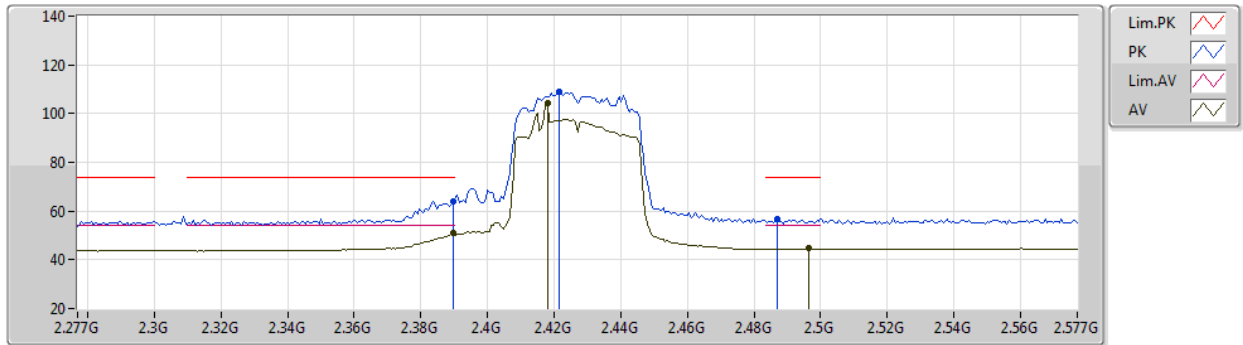
EUT_Z_2TX
Setting 21
02-A-P-2

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	68.68	74.00	-5.32	36.74	3	Vertical	203	1.00	-	28.44	3.50	-
AV	2.3874G	53.84	54.00	-0.16	21.90	3	Vertical	203	1.00	-	28.44	3.50	-
PK	2.4168G	112.27	Inf	-Inf	80.25	3	Vertical	203	1.00	-	28.50	3.52	-
AV	2.4216G	103.04	Inf	-Inf	71.02	3	Vertical	203	1.00	-	28.50	3.52	-
PK	2.4864G	57.54	74.00	-16.46	25.45	3	Vertical	203	1.00	-	28.50	3.59	-
AV	2.4835G	45.19	54.00	-8.81	13.11	3	Vertical	203	1.00	-	28.50	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2427MHz_TX



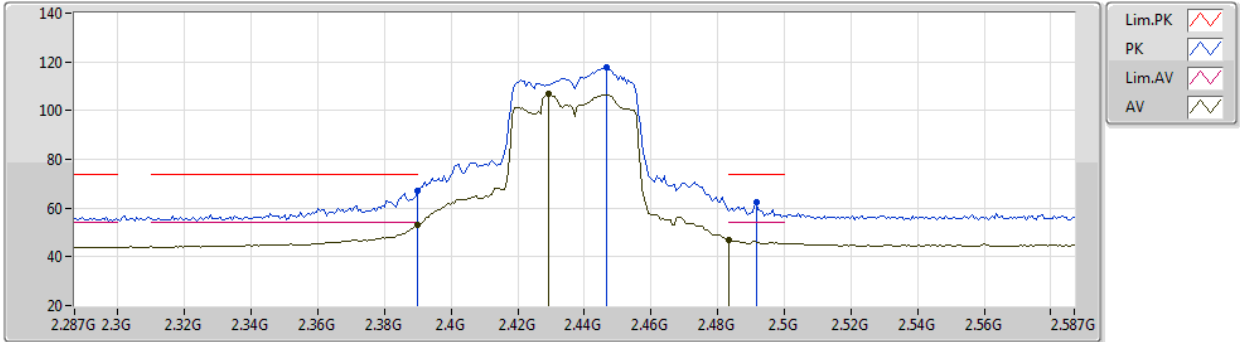
EUT Z_2TX
Setting 21
02-A-P-2

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	2.3898G	64.18	74.00	-9.82	32.23	3	Horizontal	187	1.35	-	28.45	3.50	-
AV	2.3898G	50.99	54.00	-3.01	19.04	3	Horizontal	187	1.35	-	28.45	3.50	-
PK	2.4216G	108.76	Inf	-Inf	76.74	3	Horizontal	187	1.35	-	28.50	3.52	-
AV	2.418G	104.36	Inf	-Inf	72.34	3	Horizontal	187	1.35	-	28.50	3.52	-
PK	2.487G	56.72	74.00	-17.28	24.63	3	Horizontal	187	1.35	-	28.50	3.59	-
AV	2.4966G	44.62	54.00	-9.38	12.52	3	Horizontal	187	1.35	-	28.50	3.60	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



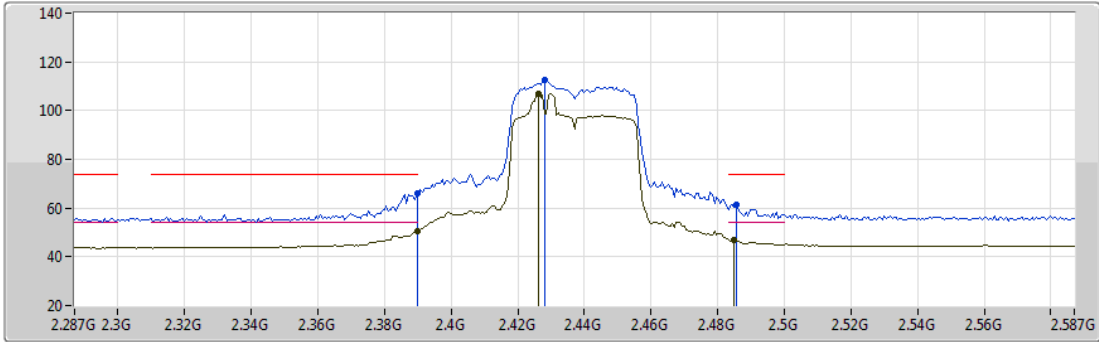
EUT_Z_2TX
Setting 24
02-A-P-2

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	67.01	74.00	-6.99	35.06	3	Vertical	238	1.00	-	28.45	3.50	-
AV	2.39G	53.29	54.00	-0.71	21.34	3	Vertical	238	1.00	-	28.45	3.50	-
PK	2.4466G	117.60	Inf	-Inf	85.55	3	Vertical	238	1.00	-	28.50	3.55	-
AV	2.4292G	106.73	Inf	-Inf	74.70	3	Vertical	238	1.00	-	28.50	3.53	-
PK	2.4916G	62.40	74.00	-11.60	30.31	3	Vertical	238	1.00	-	28.50	3.59	-
AV	2.4835G	47.06	54.00	-6.94	14.98	3	Vertical	238	1.00	-	28.50	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Magenta line with a peak icon
- AV: Green line with a peak icon

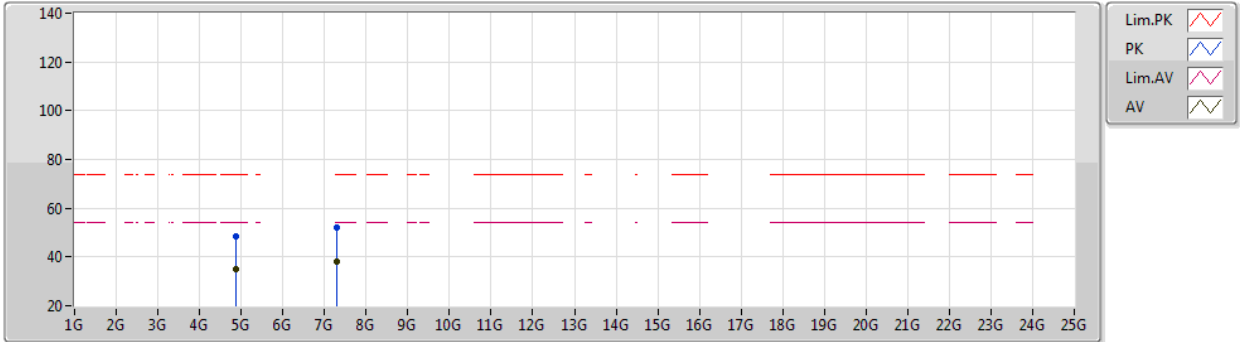
EUT_Z_2TX
Setting 24
02-A-P-2

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	65.92	74.00	-8.08	33.97	3	Horizontal	186	1.14	-	28.45	3.50	-
AV	2.39G	50.68	54.00	-3.32	18.73	3	Horizontal	186	1.14	-	28.45	3.50	-
PK	2.428G	112.55	Inf	-Inf	80.52	3	Horizontal	186	1.14	-	28.50	3.53	-
AV	2.4262G	107.11	Inf	-Inf	75.08	3	Horizontal	186	1.14	-	28.50	3.53	-
PK	2.4856G	61.55	74.00	-12.45	29.46	3	Horizontal	186	1.14	-	28.50	3.59	-
AV	2.485G	47.02	54.00	-6.98	14.93	3	Horizontal	186	1.14	-	28.50	3.59	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



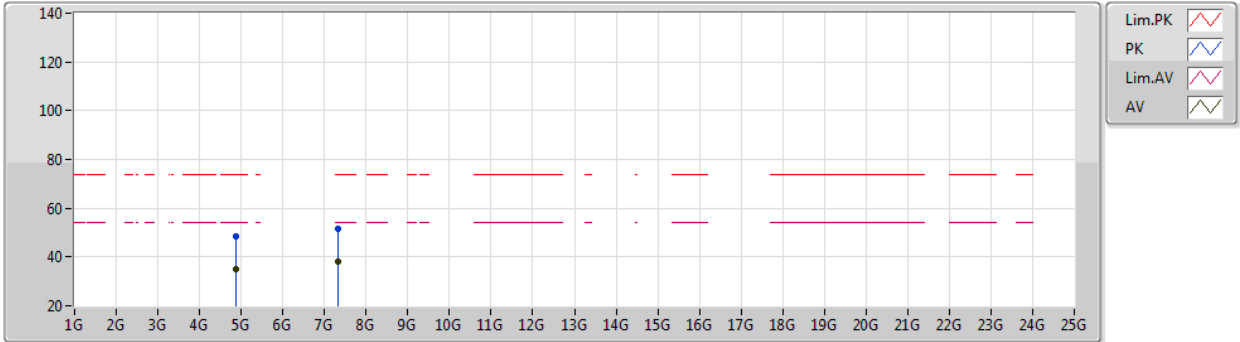
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Setting 24
02-A-P-2

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	48.54	74.00	-25.46	40.05	3	Vertical	302	1.60	-	33.01	5.84	30.36
AV	4.87514G	35.01	54.00	-18.99	26.53	3	Vertical	302	1.60	-	33.00	5.84	30.36
PK	7.30866G	52.13	74.00	-21.87	40.16	3	Vertical	188	2.04	-	36.42	6.96	31.41
AV	7.30752G	38.35	54.00	-15.65	26.37	3	Vertical	188	2.04	-	36.42	6.97	31.41

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2437MHz_TX



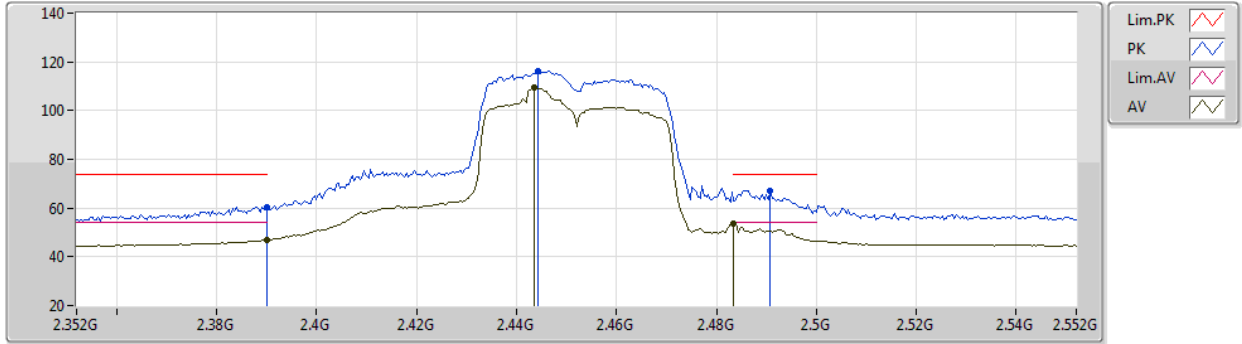
EUT_Z_2TX
Setting 24
02-A-P-2

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	4.87208G	48.22	74.00	-25.78	39.75	3	Horizontal	6	1.97	-	32.99	5.84	30.36
AV	4.872G	34.97	54.00	-19.03	26.50	3	Horizontal	6	1.97	-	32.99	5.84	30.36
PK	7.31486G	51.71	74.00	-22.29	39.74	3	Horizontal	240	1.52	-	36.43	6.95	31.41
AV	7.31068G	38.33	54.00	-15.67	26.36	3	Horizontal	240	1.52	-	36.42	6.96	31.41

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX



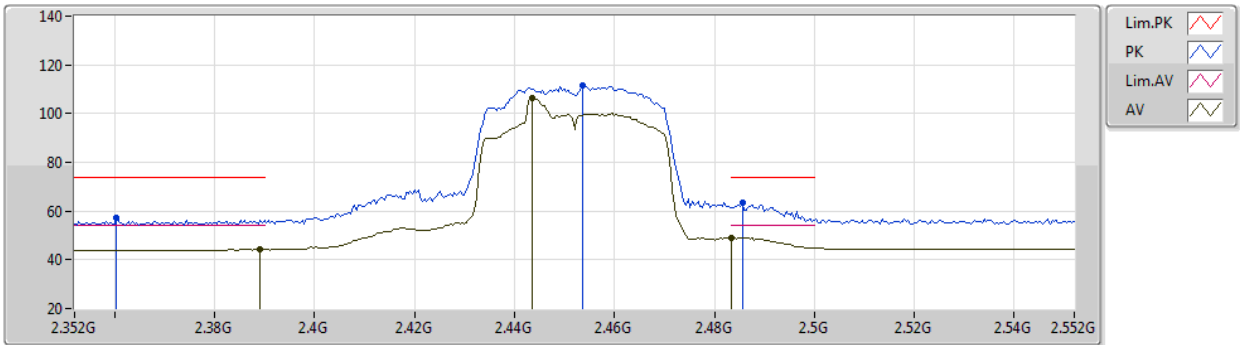
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Setting 23
02-A-P-2

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	60.48	74.00	-13.52	28.53	3	Vertical	237	1.80	-	28.45	3.50	-
AV	2.39G	47.04	54.00	-6.96	15.09	3	Vertical	237	1.80	-	28.45	3.50	-
PK	2.4444G	116.34	Inf	-Inf	84.30	3	Vertical	237	1.80	-	28.50	3.54	-
AV	2.4436G	109.26	Inf	-Inf	77.22	3	Vertical	237	1.80	-	28.50	3.54	-
PK	2.4908G	67.25	74.00	-6.75	35.16	3	Vertical	237	1.80	-	28.50	3.59	-
AV	2.4835G	53.61	54.00	-0.39	21.53	3	Vertical	237	1.80	-	28.50	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX



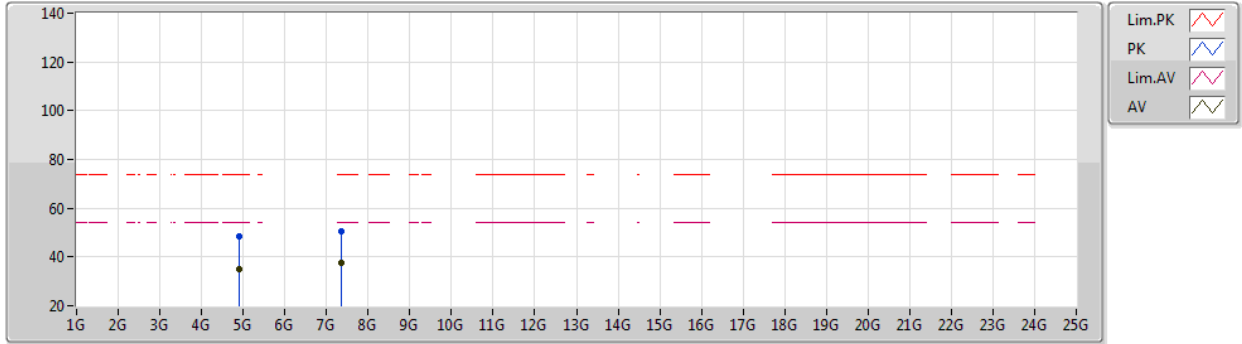
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Setting 23
02-A-P-2

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	2.3604G	57.17	74.00	-16.83	25.37	3	Horizontal	189	2.90	-	28.30	3.50	-
AV	2.3892G	44.28	54.00	-9.72	12.33	3	Horizontal	189	2.90	-	28.45	3.50	-
PK	2.4536G	111.42	Inf	-Inf	79.37	3	Horizontal	189	2.90	-	28.50	3.55	-
AV	2.4436G	106.54	Inf	-Inf	74.50	3	Horizontal	189	2.90	-	28.50	3.54	-
PK	2.4856G	63.38	74.00	-10.62	31.29	3	Horizontal	189	2.90	-	28.50	3.59	-
AV	2.4835G	49.04	54.00	-4.96	16.96	3	Horizontal	189	2.90	-	28.50	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX



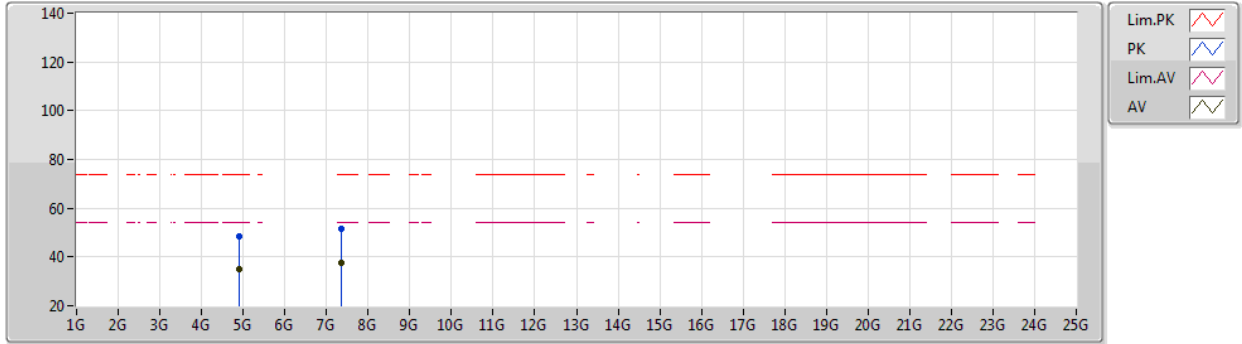
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Setting 23
02-A-P-2

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	4.90762G	48.59	74.00	-25.41	39.97	3	Vertical	124	2.03	-	33.12	5.85	30.35
AV	4.90388G	35.15	54.00	-18.85	26.54	3	Vertical	124	2.03	-	33.11	5.85	30.35
PK	7.3535G	50.71	74.00	-23.29	38.76	3	Vertical	244	1.54	-	36.51	6.88	31.44
AV	7.35736G	37.48	54.00	-16.52	25.53	3	Vertical	244	1.54	-	36.51	6.88	31.44

VHT40-BF_Nss1,(MCS0)_2TX

17/01/2020

2452MHz_TX

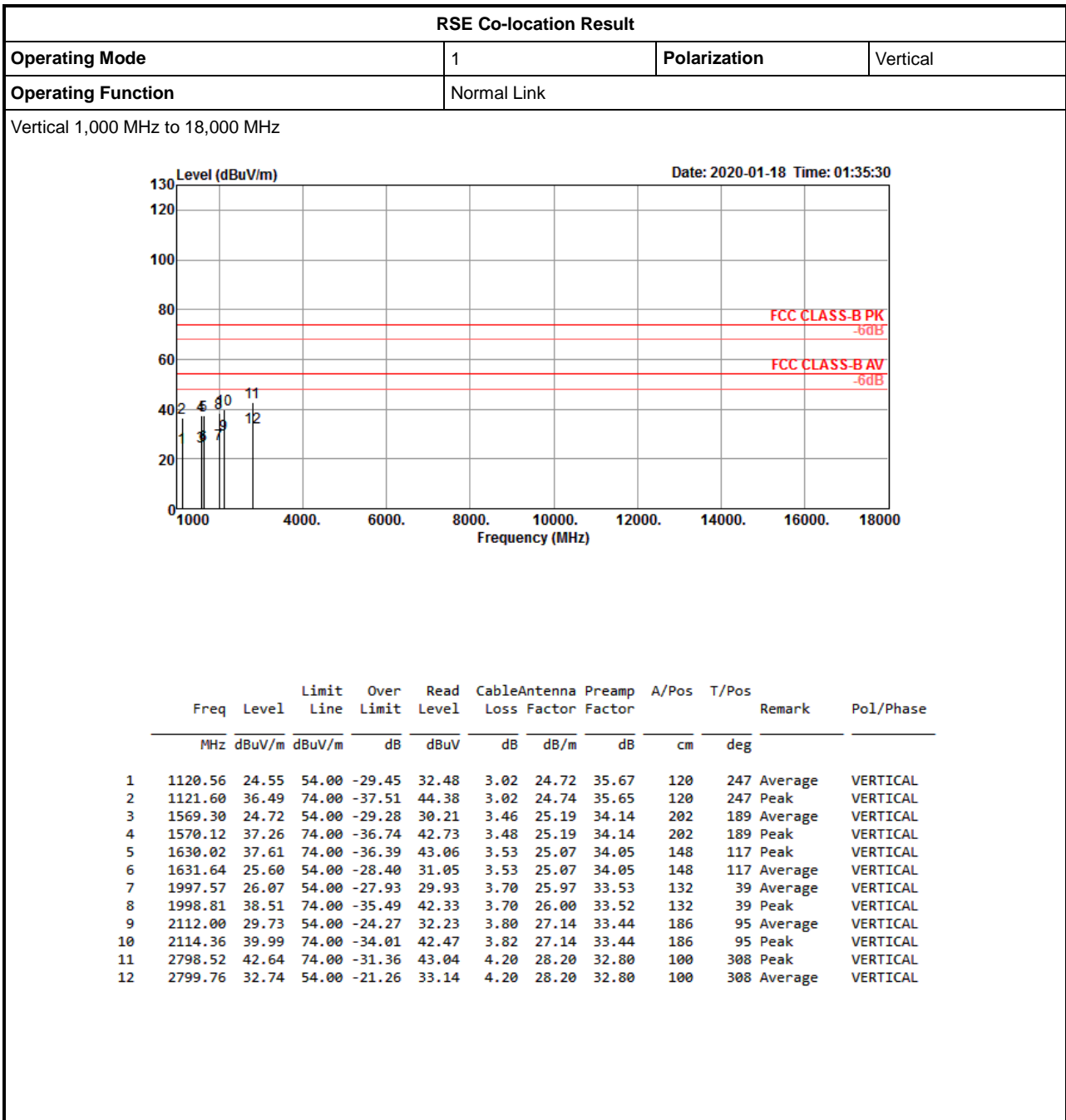


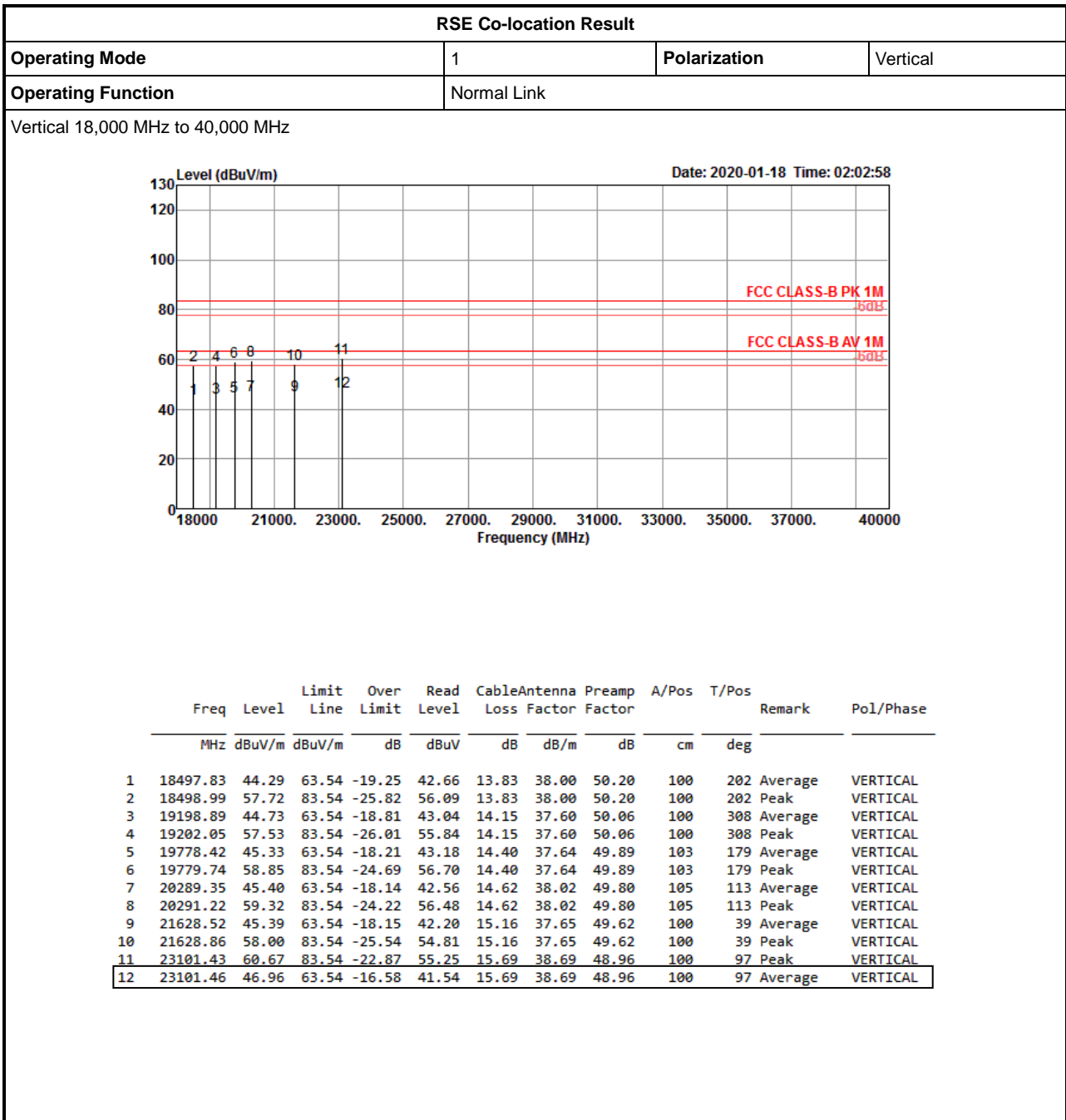
EUT_Z_2TX
Setting 23
02-A-P-2

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	4.90228G	48.58	74.00	-25.42	39.98	3	Horizontal	113	1.89	-	33.10	5.85	30.35
AV	4.90382G	35.06	54.00	-18.94	26.45	3	Horizontal	113	1.89	-	33.11	5.85	30.35
PK	7.35924G	51.56	74.00	-22.44	39.61	3	Horizontal	169	1.25	-	36.52	6.87	31.44
AV	7.36086G	37.55	54.00	-16.45	25.60	3	Horizontal	169	1.25	-	36.52	6.87	31.44



RSE Co-location Result







RSE Co-location Result

