FCC RADIO TEST REPORT

FCC ID	:	2AWNEKDE20102
Equipment	:	Home Entertainment Hub
Brand Name	:	E1 by Ericsson
Model Name	:	KDE20102
Applicant	:	Ericsson AB 21-23 Torshamnsgatan Stockholm, 16480 Sweden
Manufacturer	:	CyberTAN Technology Inc. No. 99, Park Avenue III Science-based Industrial Park Hsinchu Taiwan 308
Standard	:	47 CFR FCC Part 15.247

The product was received on Mar. 27, 2020, and testing was started from Apr. 07, 2020 and completed on May 22, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR031609AA	01	Initial issue of report	Aug. 05, 2020
FR031609AA	02	Changing the support type of bridge function to “Slave without radar detection” from “Master”.	Aug. 07, 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: Cindy Peng

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	802.11g-BF	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.

1.1.2 Antenna Information

For WLAN 2.4GHz / WLAN 5GHz / Bluetooth / Zigbee function:

Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)	
	WLAN 2.4GHz	WLAN 5GHz B1					WLAN 2.4GHz	WLAN 5GHz B1
1	1	1	Airgain	N2420DSRD	PCB	I-PEX	2.2	3.1
2	2	2	Airgain	N2420DSRF	PCB	I-PEX	2.7	3.3
Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)	
	WLAN 5GHz B4	Zigbee					WLAN 5GHz B4	Zigbee
3	1	1	Airgain	N2420DSRC	PCB	I-PEX	3.1	2.8
Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)	
	WLAN 5GHz B4	Bluetooth					WLAN 5GHz B4	Bluetooth
4	2	1	Airgain	N2420DSRE	PCB	I-PEX	3.1	2.7

Note1: B1 means band 1, B4 means band 4.
Note2: The above information was declared by manufacturer.
Note3: For WLAN 2.4GHz function (2TX/2RX):
The WLAN 2.4GHz supports the b, g, n, VHT.
Port 1 and Port 2 could transmit/receive simultaneously.
Note4: For WLAN 5GHz Band 1 function (2TX/2RX):
The WLAN 5GHz Band 1 supports the a, n, ac.
Port 1 and Port 2 could transmit/receive simultaneously.
Note5: For WLAN 5GHz Band 4 function (2TX/2RX):
The WLAN 5GHz Band 4 supports the a, n, ac.
Port 1 and Port 2 could transmit/receive simultaneously.
Note6: For Zigbee function (1TX/1RX):
Only Port 1 can be used as transmitting/receiving.
Note7: For Bluetooth function (1TX/1RX):
Only Port 1 can be used as transmitting/receiving.

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-BF	0.928	0.32	2.148m	1k
VHT20-BF	0.974	0.11	1.759m	1k
VHT40-BF	0.971	0.13	1.694m	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	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for g/n/VHT in 2.4GHz and a/n/ac in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QRCT			

Note: The above information was declared by manufacturer.

1.1.5 Table of WWAN Module

The EUT contains a LTE module, the detail information as following.

Brand Name	Model Name	FCC ID	Function
Telit	LN960A16	RI7LN960A16	LTE: Band 2/4/5/7/12/13/14/17/25/26/30/38/41/66

1.1.6 Table for EUT Supports Functions

Function	Support Type
AP	Master
Mesh	Master
Bridge	Slave without radar detection

Note: The “AP mode” has been selected to test and recorded in the test report by manufacturer.

1.2 Applicable Standards

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

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

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

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.5~25.5°C / 53~55%	Apr. 10, 2020~May 08, 2020
Radiated Below 1GHz (Mode 1~Mode 3)	03CH06-CB	JN Du	22.7~23.5°C / 53~57%	Apr. 13, 2020~May 22, 2020
Radiated Below 1GHz (Mode 4~Mode 6)	03CH06-CB	Eason Chen	22.7~23.5°C / 53~57%	Apr. 09, 2020~May 14, 2020
Radiated Above 1GHz	03CH02-CB, 03CH04-CB	JN Du	22.7~23.5°C / 53~57%	Apr. 13, 2020~May 22, 2020
AC Conduction	CO01-CB	Ryo Fan	21~22°C / 60~63%	Apr. 07, 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	25.5
2437MHz	25.5
2462MHz	25.5
802.11g-BF_Nss1,(6Mbps)_2TX	-
2412MHz	22
2417MHz	24.5
2437MHz	25.5
2457MHz	24.5
2462MHz	21
VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	21.5
2417MHz	24.5
2437MHz	25.5
2457MHz	24.5
2462MHz	20.5
VHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	20.5
2437MHz	21
2452MHz	21

Note:
- There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for g/n/VHT in 2.4GHz and a/n/ac in 5GHz, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to 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	AP mode with LTE Link: Band 2 – EUT + Adapter 1 + Power cable
2	AP mode with LTE Link: Band 4 – EUT + Adapter 2 + Power cable
For operating mode 2 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	WLAN 2.4GHz + Adapter 1
2	WLAN 5GHz Band 1 + Adapter 1
3	WLAN 5GHz Band 4 + Adapter 1
4	Bluetooth + Adapter 1
5	Zigbee + Adapter 1
Mode 4 has been evaluated to be the worst case among Mode 1~5, thus measurement for Mode 6 will follow this same test mode.	
6	Bluetooth + Adapter 2
For operating mode 6 is the worst case and it was record in this test report.	
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
The Operating Mode of Radiated Emission Co-location as below: 1. WLAN 2.4GHz + WLAN 5GHz Band 1 2. WLAN 5GHz Band 4 + Bluetooth 3. WLAN 5GHz Band 4 + Zigbee After evaluating, the full function generated the worst case, thus the measurement will follow this same test configuration.	
1	WLAN 2.4GHz + WLAN 5GHz Band 1 + WLAN 5GHz Band 4 + Bluetooth + Zigbee
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 + Zigbee + LTE
Refer to Sporton Test Report No.: FA031609 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used Z axis.

2.3 EUT Operation during Test

For CTX Mode:

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For 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 7 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 Putty, Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN AP and transmit duty cycle no less than 98%.

For Normal Link:
During the test, the EUT operation to normal function.

2.4 Accessories

Accessories					
No.	**Equipment Name**	**Brand Name**	**Model Name**	**Rating**	**Remark**
1	Adapter 1	FSP	FSP100-A1AR3	INPUT: 100-240V~50-60Hz, 1.4A OUTPUT: 5V, 3A / 9V, 3A 12V, 3A / 15V, 3A 20V, 5.0A 100W MAX.	With the cable: Non-shielded, 1.6m
2	Adapter 2	DELTA	ADH-100CR B	INPUT: 100-240V~1.8A, 50-60Hz OUTPUT: 5.0V, 3.0A, 15.0W or 9.0V, 3.0A 15.0V, 3.0A or 20.0V, 5.0A 100.0W.	With the cable: Non-shielded, 1.6m
Others					
3	HDMI cable*1: Shielded, 1.5m				
4	USB-C to USB-A cable*1: Shielded, 0.1m				
5	Power cable*1: Non-shielded, 1m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	TV	ASUS	VP28U	N/A
B	Micro SD card	Transcend	TS16GUSDHC10	N/A
C	SIM card	N/A	N/A	N/A
D	LAN NB	DELL	E6430	N/A
E	WAN NB	DELL	E6430	N/A
F	2.4G NB	DELL	E6430	N/A
G	5G-1 NB	DELL	E6430	N/A
H	5G-2 NB	DELL	E6430	N/A
I	Bluetooth speaker	Wei Xuan	S06B	N/A
J	Zigbee device	N/A	N/A	N/A
K	LTE base station	Anritsu	MT8820C	N/A
L	Air mouse	HENGCHUANGYU	HCY-57B	2AOBUHCY-57B

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LCD Monitor	DELL	1704FPTt	N/A
B	USB Hub	IOTNPCI	HB-16	N/A
C	Keyboard	iCooky	SK068	N/A
D	Mouse	Logitech	M-U0026	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:

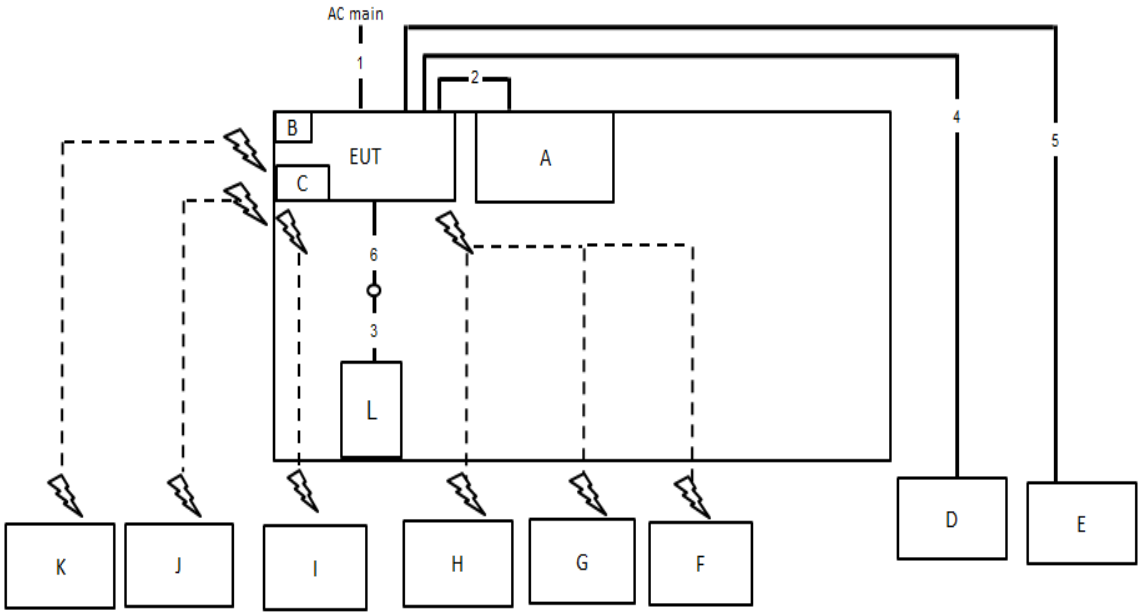
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	WLAN AP	LINKSYS	EA8300	N/A
C	NB	DELL	E4300	N/A

For RF Conducted:

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

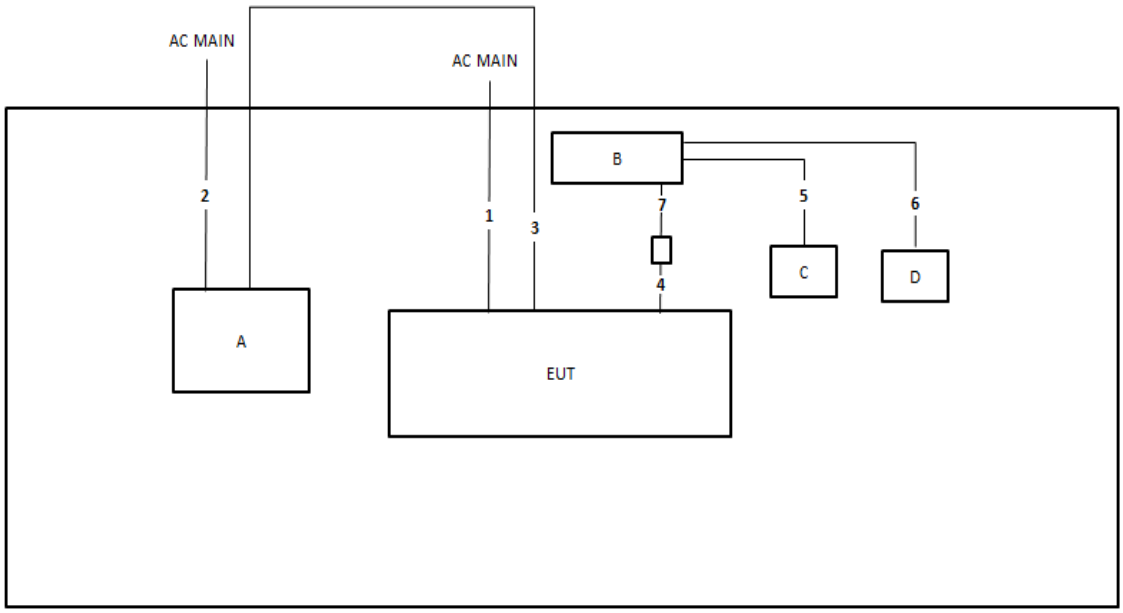
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	HDMI cable	Yes	1.5m
3	USB cable	Yes	0.9m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m
6	USB cable	Yes	0.1m

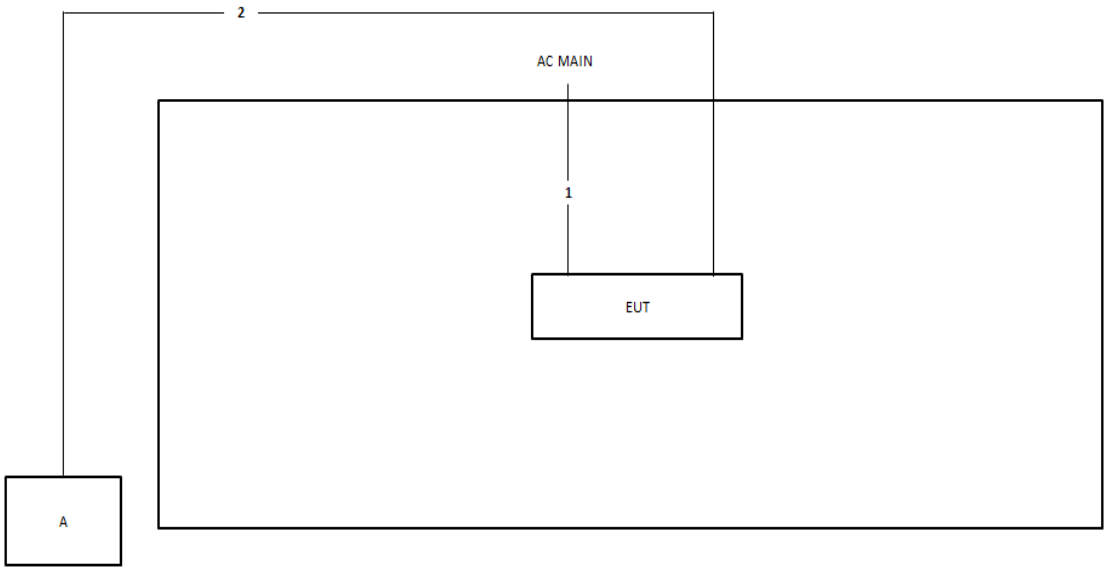
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	Power cable	No	1.5m
3	HDMI cable	Yes	1.5m
4	USB cable	Yes	0.1m
5	USB cable	Yes	1.8m
6	USB cable	Yes	1.8m
7	USB cable	Yes	0.9m

Test Setup Diagram - Radiated Test > 1GHz

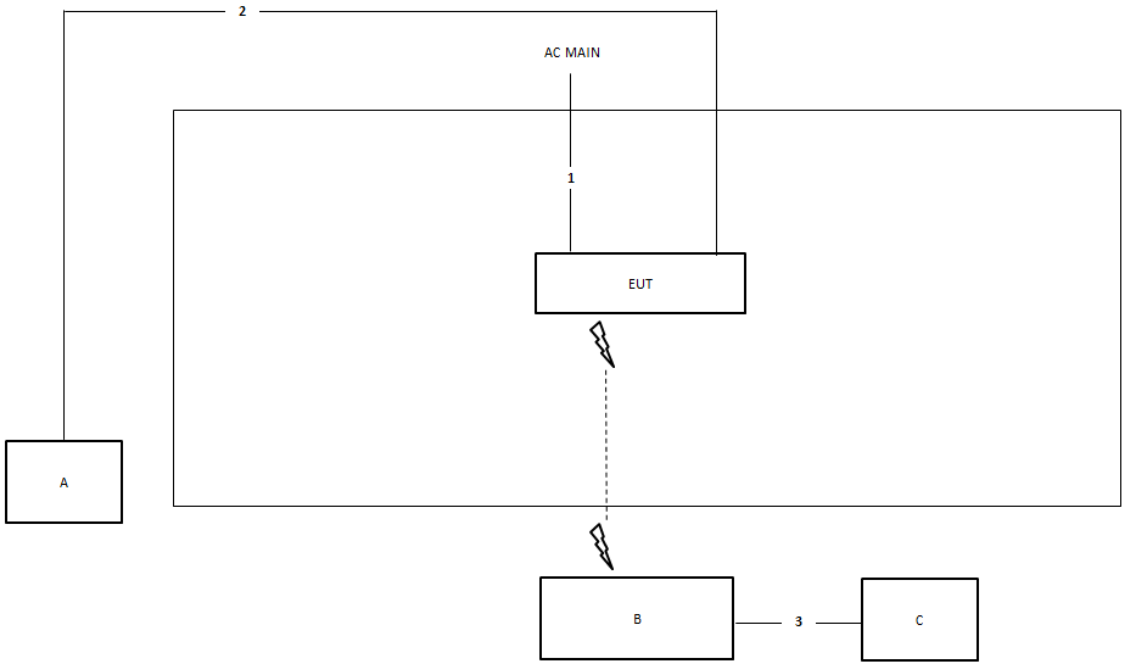
For non-beamforming mode:



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz

For beamforming mode:



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	RJ-45 cable	No	10m
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

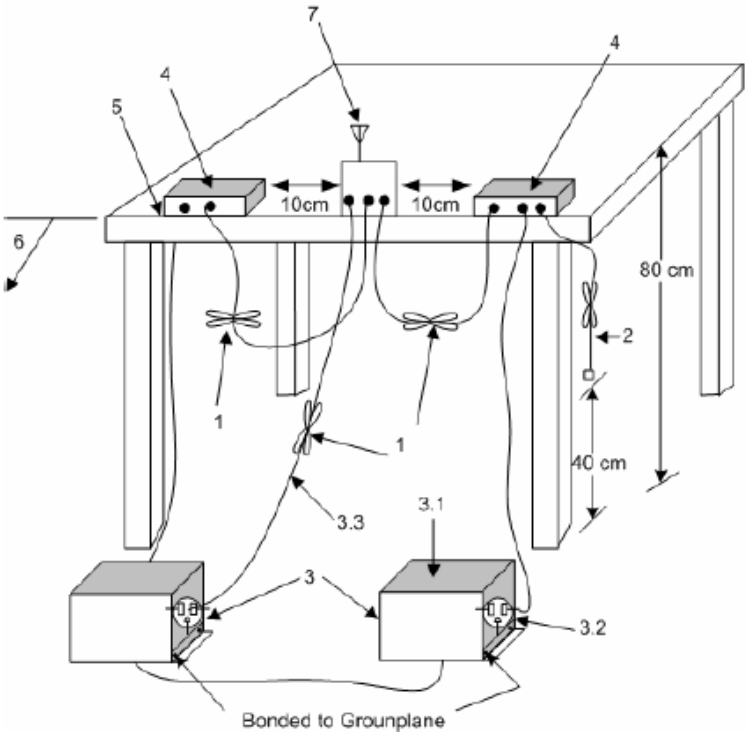
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level

b. Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

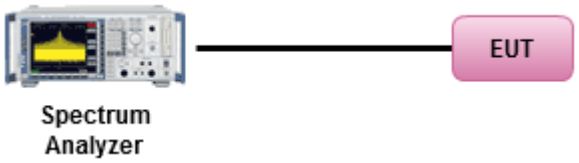
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

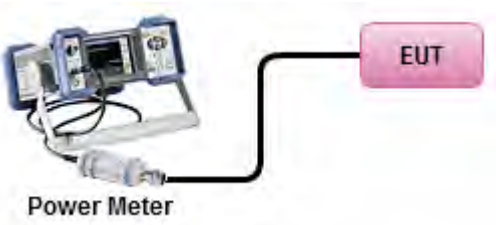
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
▪	Maximum Peak Conducted Output Power
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪	Maximum Conducted Output Power
	[duty cycle ≥ 98% or external video / power trigger]
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).

▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

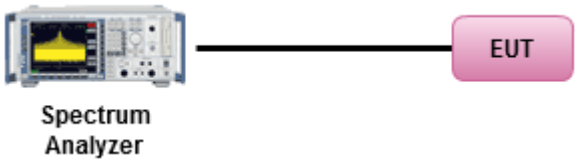
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

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

3.5.2 Measuring Instruments

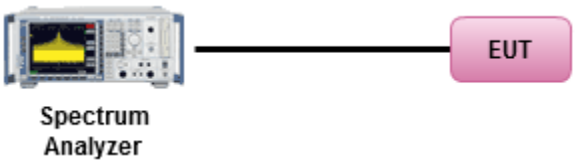
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

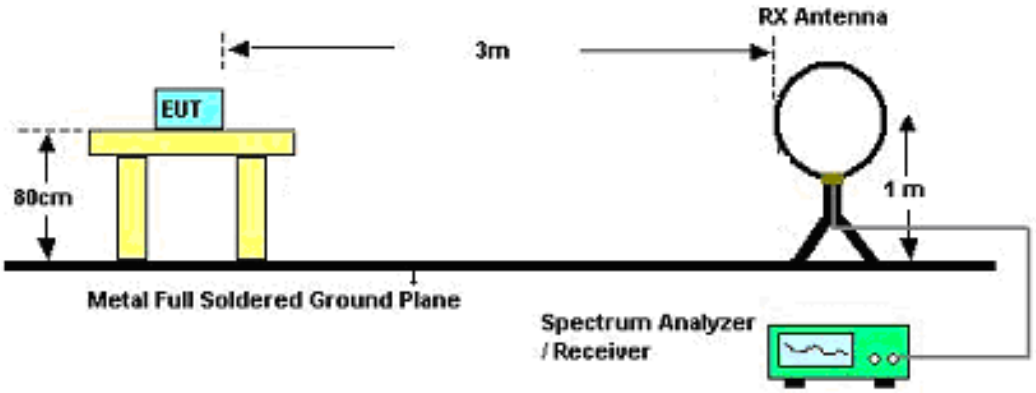
3.6.3 Test Procedures

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

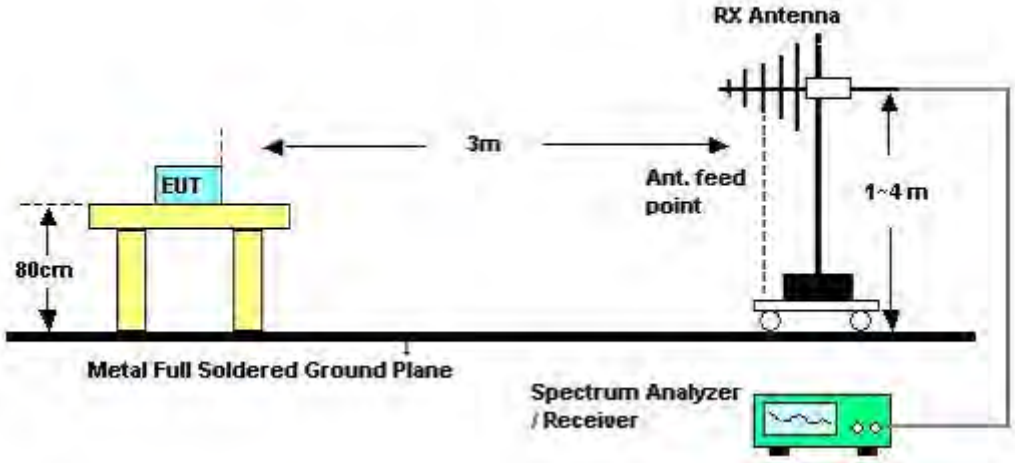
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

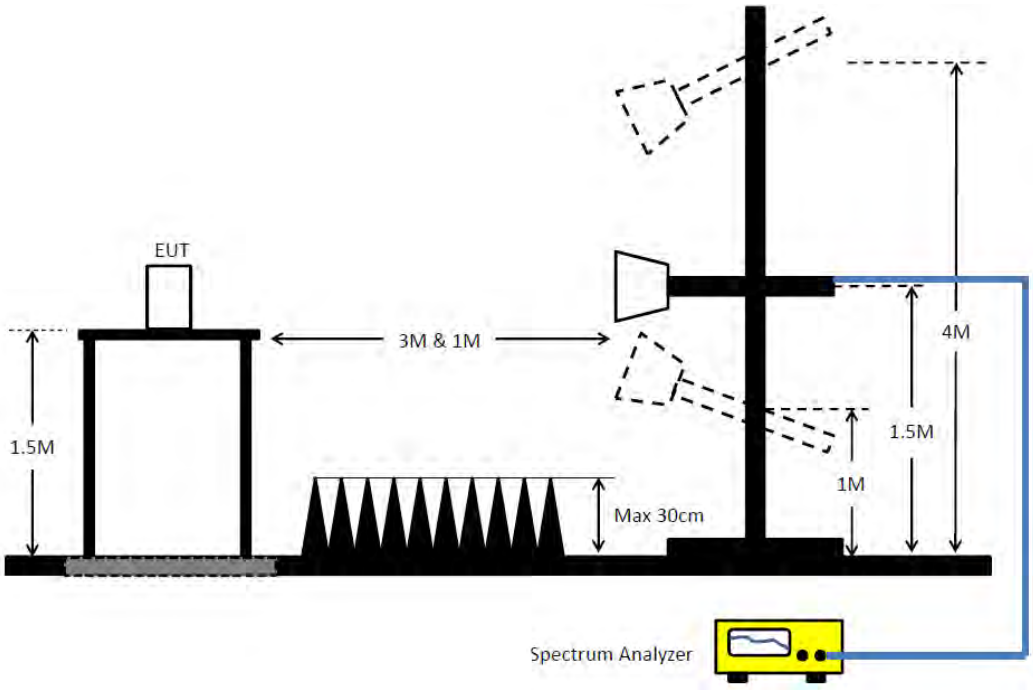
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor (if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 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	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 16, 2020	Mar. 15, 2021	Radiation (03CH06-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)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	May 07, 2019	May 06, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Apr. 28, 2020	Apr. 27, 2021	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)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH06-CB)
RF Cable-low	HUBER+SUHNER	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 24, 2019	Apr. 23, 2020	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Aug. 21, 2019	Aug. 20, 2020	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH02-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH02-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Mar. 11, 2020	Mar. 10, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
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.

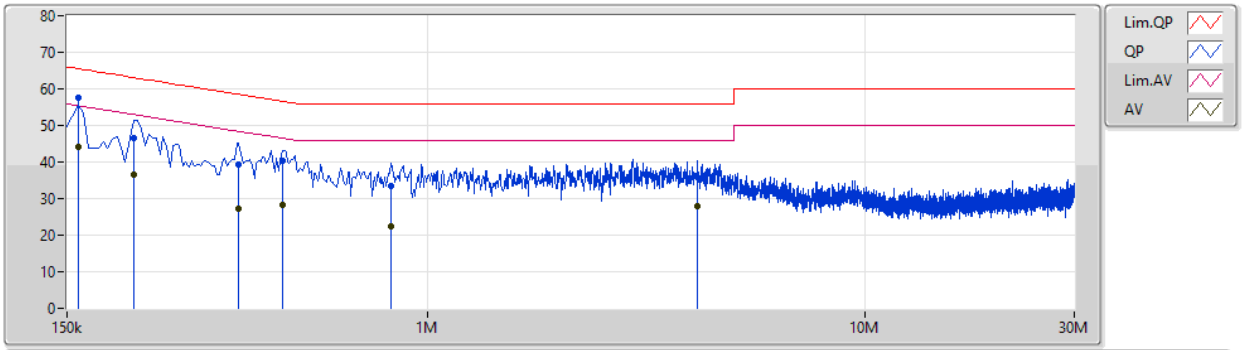
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 2	Pass	QP	159k	57.62	65.52	-7.90	9.90	Line

Mode 2

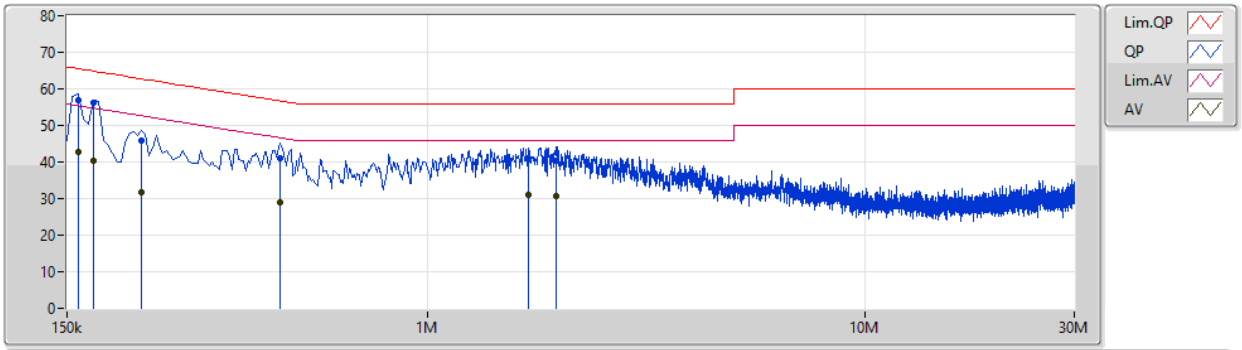
07/04/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	57.62	65.52	-7.90	9.90	Line	"Worst"	47.72	0.05	0.06	9.79
AV	159k	43.97	55.52	-11.55	9.90	Line	-	34.07	0.05	0.06	9.79
QP	213k	46.71	63.09	-16.38	9.89	Line	-	36.82	0.04	0.06	9.79
AV	213k	36.43	53.09	-16.66	9.89	Line	-	26.54	0.04	0.06	9.79
QP	370.5k	39.20	58.49	-19.29	9.91	Line	-	29.29	0.04	0.06	9.81
AV	370.5k	27.15	48.49	-21.34	9.91	Line	-	17.24	0.04	0.06	9.81
QP	465k	40.36	56.61	-16.25	9.91	Line	-	30.45	0.04	0.06	9.81
AV	465k	28.11	46.61	-18.50	9.91	Line	-	18.20	0.04	0.06	9.81
QP	825k	33.37	56.00	-22.63	9.95	Line	-	23.42	0.05	0.08	9.82
AV	825k	22.50	46.00	-23.50	9.95	Line	-	12.55	0.05	0.08	9.82
QP	4.137M	35.79	56.00	-20.21	10.07	Line	-	25.72	0.09	0.17	9.81
AV	4.137M	27.77	46.00	-18.23	10.07	Line	-	17.70	0.09	0.17	9.81

Mode 2

07/04/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	56.94	65.52	-8.58	9.89	Neutral	"Worst"	47.05	0.04	0.06	9.79
AV	159k	42.78	55.52	-12.74	9.89	Neutral	-	32.89	0.04	0.06	9.79
QP	172.5k	56.04	64.83	-8.79	9.89	Neutral	-	46.15	0.04	0.06	9.79
AV	172.5k	40.41	54.83	-14.42	9.89	Neutral	-	30.52	0.04	0.06	9.79
QP	222k	45.94	62.75	-16.81	9.89	Neutral	-	36.05	0.04	0.06	9.79
AV	222k	31.58	52.75	-21.17	9.89	Neutral	-	21.69	0.04	0.06	9.79
QP	460.5k	41.11	56.69	-15.58	9.91	Neutral	-	31.20	0.04	0.06	9.81
AV	460.5k	28.82	46.69	-17.87	9.91	Neutral	-	18.91	0.04	0.06	9.81
QP	1.698M	40.60	56.00	-15.40	10.01	Neutral	-	30.59	0.07	0.11	9.83
AV	1.698M	30.92	46.00	-15.08	10.01	Neutral	-	20.91	0.07	0.11	9.83
QP	1.968M	40.28	56.00	-15.72	10.02	Neutral	-	30.26	0.07	0.12	9.83
AV	1.968M	30.85	46.00	-15.15	10.02	Neutral	-	20.83	0.07	0.12	9.83

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	8.55M	14.193M	14M2G1D	7.075M	13.068M
802.11g-BF_Nss1,(6Mbps)_2TX	16.325M	17.166M	17M2D1D	15.625M	16.342M
VHT20-BF_Nss1,(MCS0)_2TX	17.55M	18.316M	18M3D1D	16.525M	17.516M
VHT40-BF_Nss1,(MCS0)_2TX	35.85M	36.082M	36M1D1D	32.45M	35.632M

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;

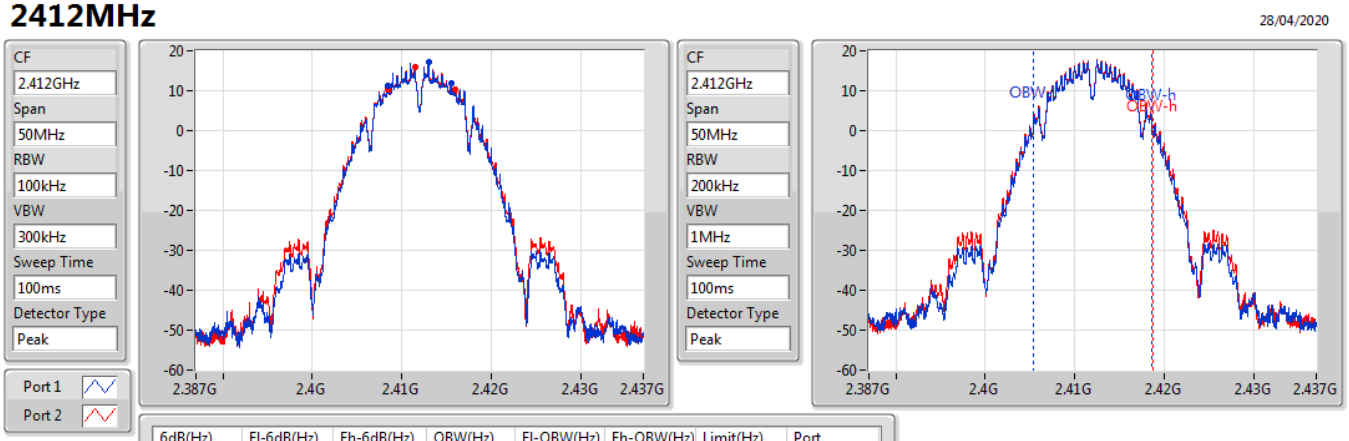
Result

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	7.075M	13.118M	7.575M	13.268M
2437MHz	Pass	500k	8.55M	13.068M	7.1M	13.268M
2462MHz	Pass	500k	8.55M	13.943M	8.55M	14.193M
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.342M	15.7M	16.367M
2437MHz	Pass	500k	16.325M	17.166M	16.3M	17.116M
2462MHz	Pass	500k	15.625M	16.417M	15.725M	16.392M
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.541M	16.525M	17.516M
2437MHz	Pass	500k	17.55M	18.041M	17.55M	18.316M
2462MHz	Pass	500k	16.925M	17.566M	17.175M	17.566M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.05M	35.732M	33.85M	35.682M
2437MHz	Pass	500k	35.35M	36.082M	35.85M	36.082M
2452MHz	Pass	500k	32.45M	35.682M	35M	35.632M

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

802.11b_Nss1,(1Mbps)_2TX EBW

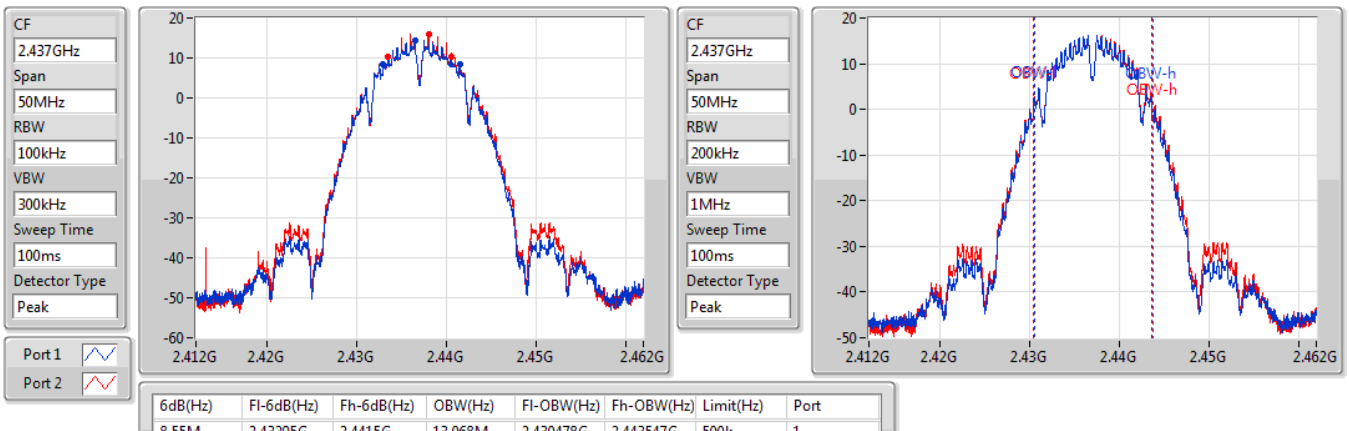
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.40845G	2.415525G	13.118M	2.405453G	2.418572G	500k	1
7.575M	2.408425G	2.416G	13.268M	2.405428G	2.418697G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

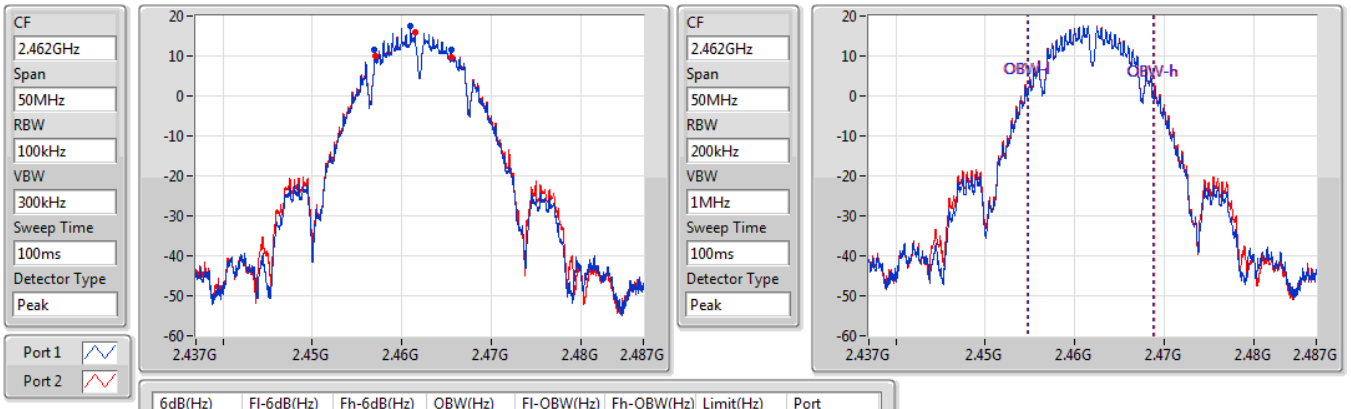


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.43295G	2.4415G	13.068M	2.430478G	2.443547G	500k	1
7.1M	2.43345G	2.44055G	13.268M	2.430453G	2.443722G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

28/04/2020

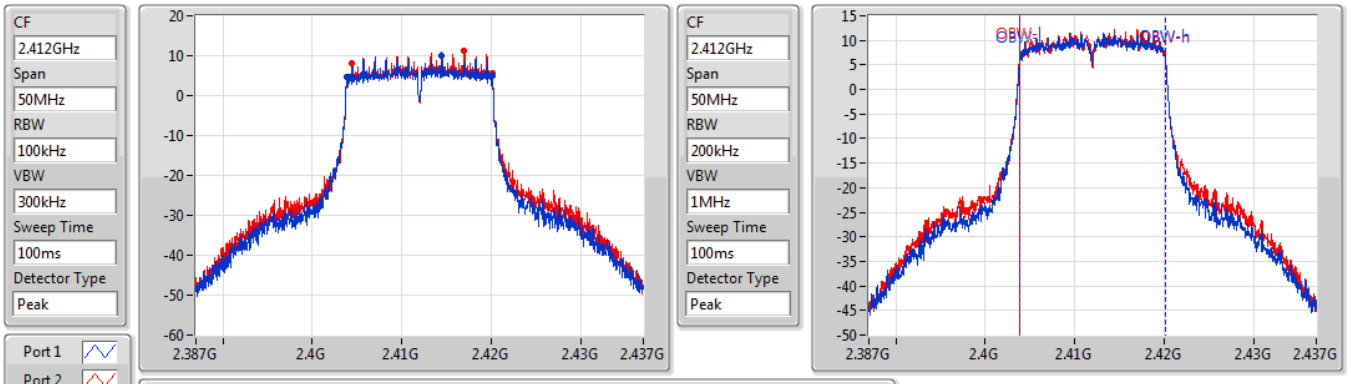


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.456975G	2.465525G	13.943M	2.454779G	2.468722G	500k	1
8.55M	2.457025G	2.465575G	14.193M	2.454679G	2.468872G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX EBW

2412MHz

28/04/2020

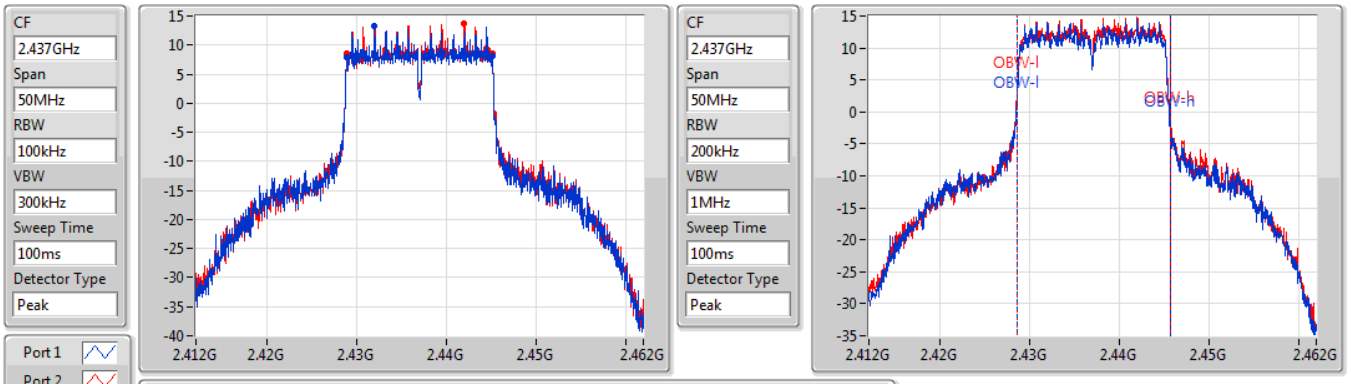


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.40385G	2.42015G	16.342M	2.403829G	2.420171G	500k	1
15.7M	2.40445G	2.42015G	16.367M	2.403829G	2.420196G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX EBW

2437MHz

28/04/2020

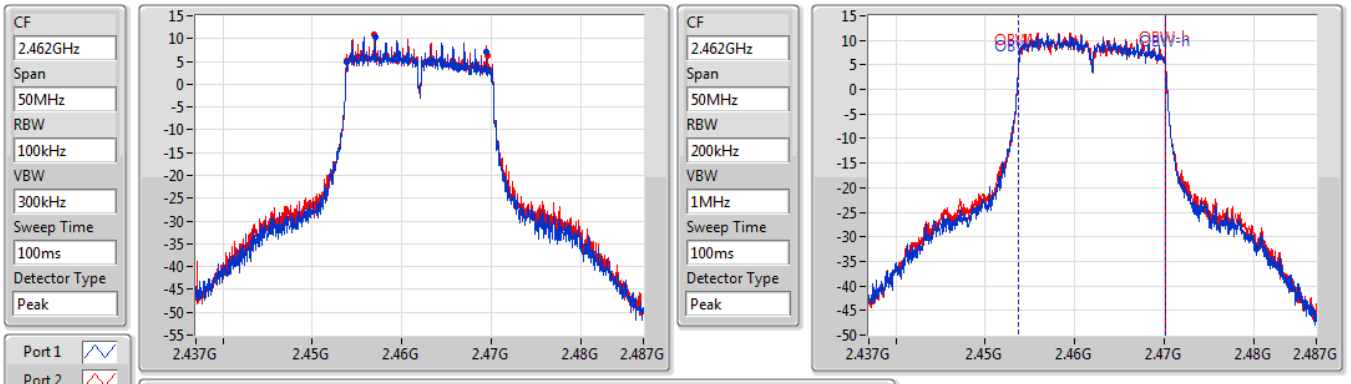


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	17.166M	2.428504G	2.445671G	500k	1
16.3M	2.42885G	2.44515G	17.116M	2.428604G	2.445721G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX EBW

2462MHz

28/04/2020

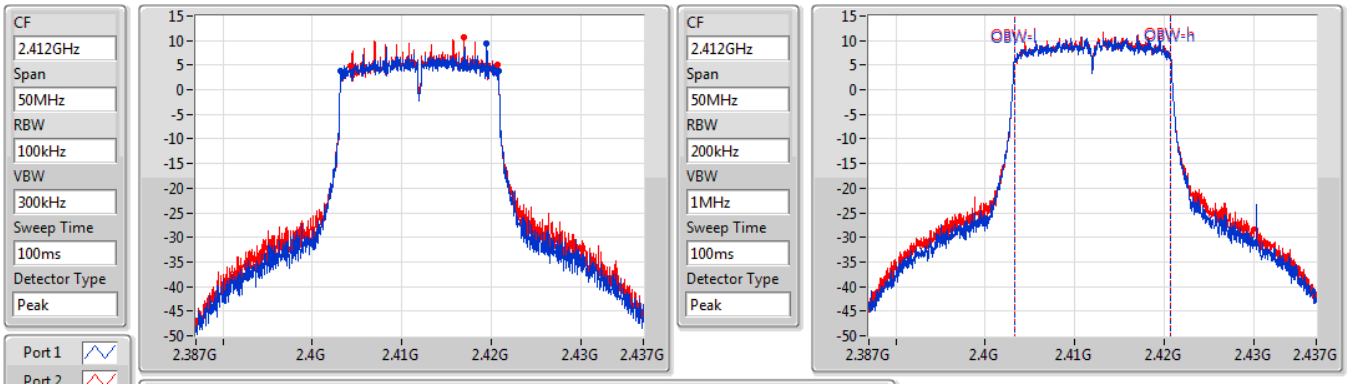


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.625M	2.453825G	2.46945G	16.417M	2.453729G	2.470146G	500k	1
15.725M	2.453825G	2.46955G	16.392M	2.453754G	2.470146G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

28/04/2020

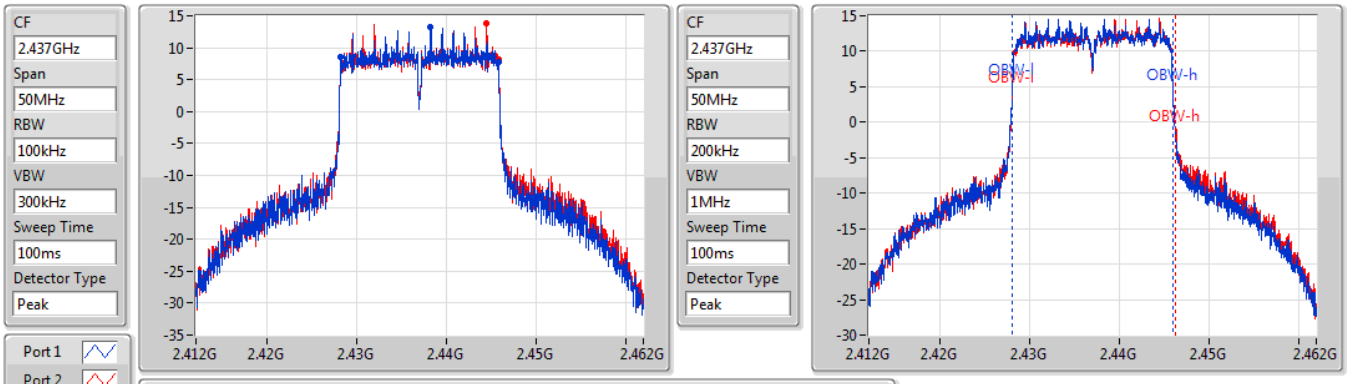


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.403225G	2.420775G	17.541M	2.403229G	2.420771G	500k	1
16.525M	2.404225G	2.42075G	17.516M	2.403254G	2.420771G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

28/04/2020

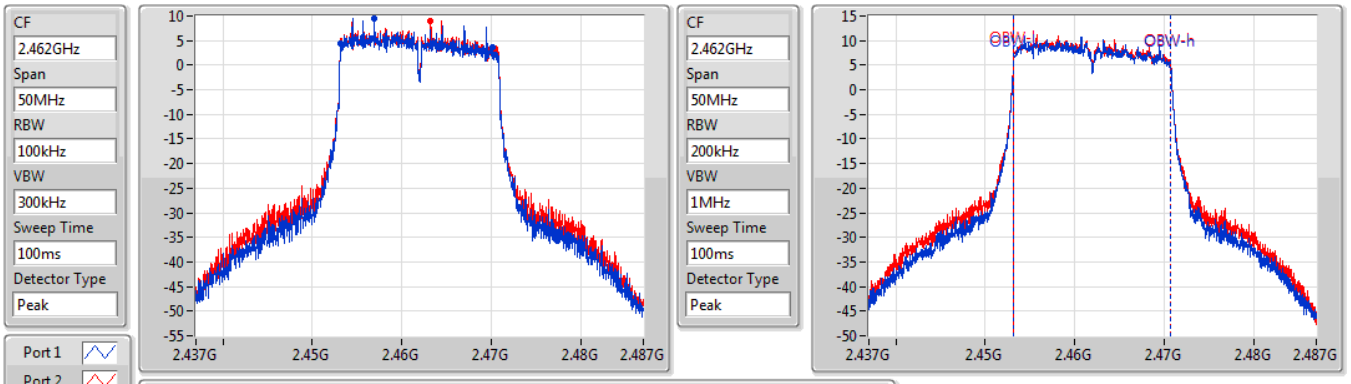


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.428225G	2.445775G	18.041M	2.42798G	2.44602G	500k	1
17.55M	2.428225G	2.445775G	18.316M	2.42798G	2.446295G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

28/04/2020

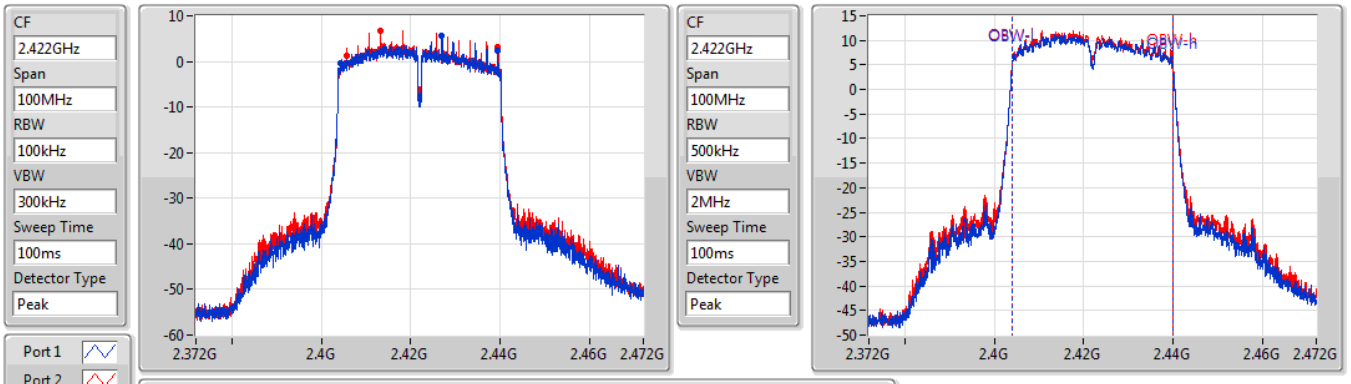


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.925M	2.4532G	2.470125G	17.566M	2.453154G	2.470721G	500k	1
17.175M	2.4532G	2.470375G	17.566M	2.453154G	2.470721G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

28/04/2020

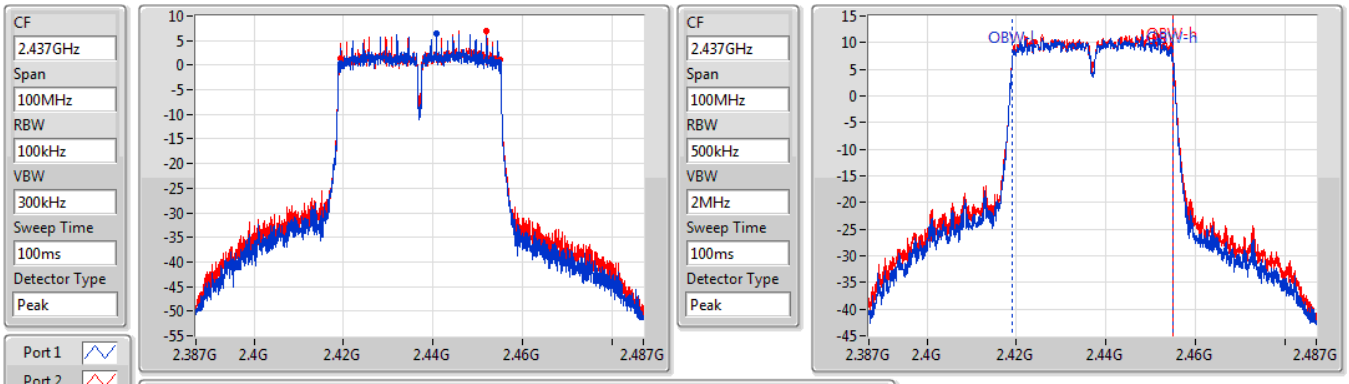


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.40445G	2.4395G	35.732M	2.404109G	2.439841G	500k	1
33.85M	2.40565G	2.4395G	35.682M	2.404159G	2.439841G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

28/04/2020

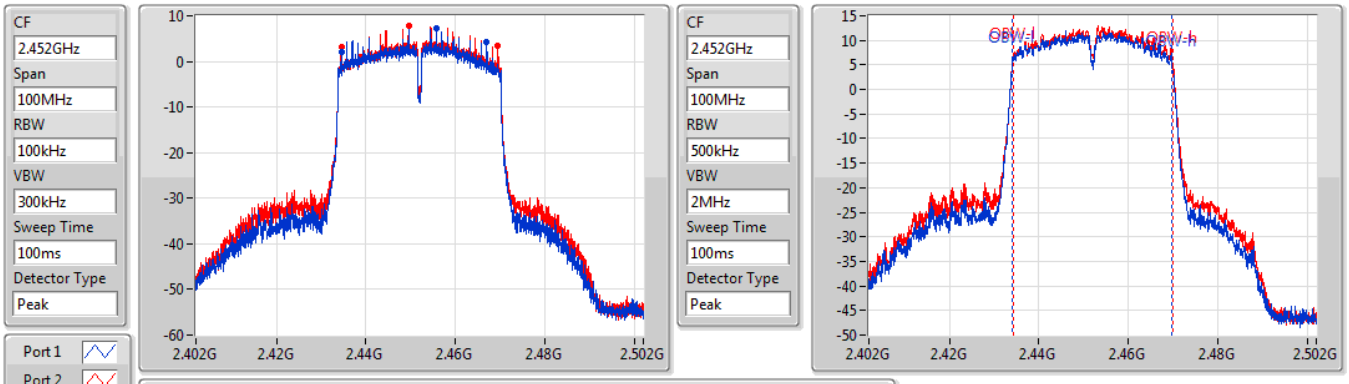


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.35M	2.4192G	2.45455G	36.082M	2.418959G	2.455041G	500k	1
35.85M	2.41925G	2.4551G	36.082M	2.419009G	2.455091G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

28/04/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.45M	2.43455G	2.467G	35.682M	2.434109G	2.469791G	500k	1
35M	2.4345G	2.4695G	35.632M	2.434209G	2.469841G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.70	0.74131
802.11g-BF_Nss1,(6Mbps)_2TX	27.71	0.59020
VHT20-BF_Nss1,(MCS0)_2TX	27.87	0.61235
VHT40-BF_Nss1,(MCS0)_2TX	24.01	0.25177

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.70	25.44	25.82	28.64	30.00
2437MHz	Pass	2.70	25.19	25.46	28.34	30.00
2462MHz	Pass	2.70	25.52	25.85	28.70	30.00
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	21.66	21.69	24.69	30.00
2417MHz	Pass	5.46	23.43	23.62	26.54	30.00
2437MHz	Pass	5.46	24.60	24.79	27.71	30.00
2457MHz	Pass	5.46	23.81	23.94	26.89	30.00
2462MHz	Pass	5.46	21.00	21.27	24.15	30.00
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	21.41	21.81	24.62	30.00
2417MHz	Pass	5.46	23.52	23.78	26.66	30.00
2437MHz	Pass	5.46	24.81	24.90	27.87	30.00
2457MHz	Pass	5.46	23.85	23.96	26.92	30.00
2462MHz	Pass	5.46	20.77	21.21	24.01	30.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.46	20.22	20.57	23.41	30.00
2437MHz	Pass	5.46	20.73	20.94	23.85	30.00
2452MHz	Pass	5.46	20.60	21.37	24.01	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	0.62
802.11g-BF_Nss1,(6Mbps)_2TX	-1.45
VHT20-BF_Nss1,(MCS0)_2TX	-1.04
VHT40-BF_Nss1,(MCS0)_2TX	-5.75

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

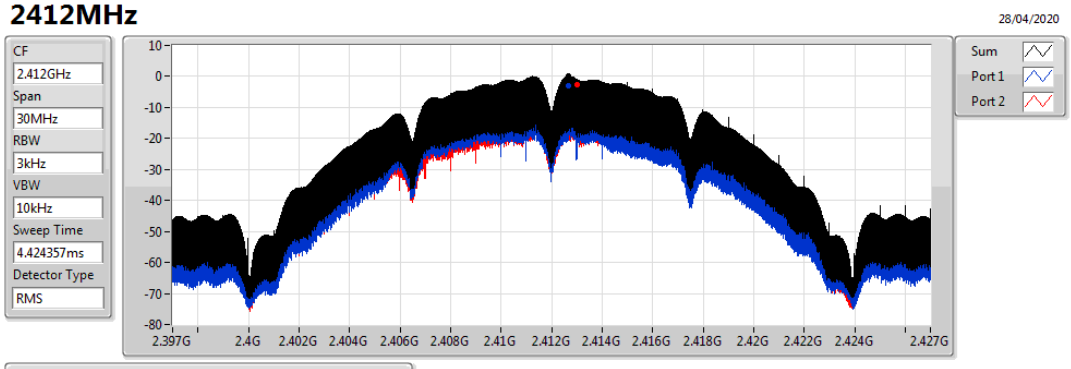
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	-3.14	-2.53	0.09	8.00
2437MHz	Pass	5.46	-3.13	-2.43	0.01	8.00
2462MHz	Pass	5.46	-1.77	-2.17	0.62	8.00
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	-6.49	-6.42	-4.52	8.00
2437MHz	Pass	5.46	-3.70	-3.57	-1.45	8.00
2462MHz	Pass	5.46	-5.98	-6.92	-4.25	8.00
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.46	-7.20	-6.81	-4.23	8.00
2437MHz	Pass	5.46	-3.61	-2.43	-1.04	8.00
2462MHz	Pass	5.46	-5.63	-6.27	-4.56	8.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.46	-9.53	-9.21	-6.78	8.00
2437MHz	Pass	5.46	-9.53	-8.44	-6.70	8.00
2452MHz	Pass	5.46	-8.87	-7.16	-5.75	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX PSD

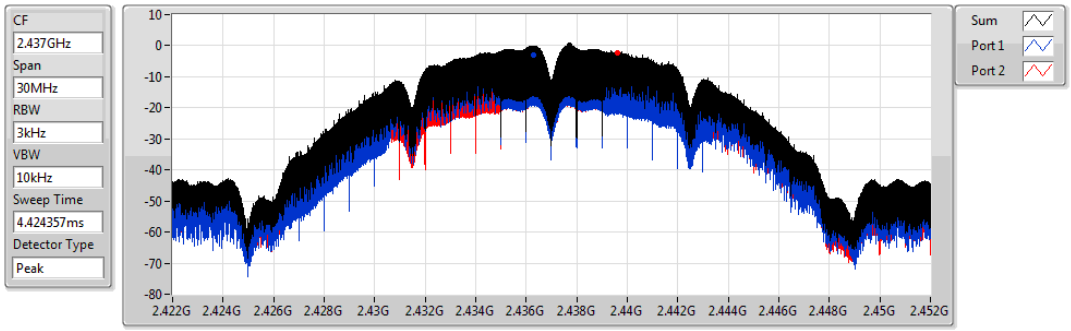
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.09	0.09	-3.14	-2.53

802.11b_Nss1,(1Mbps)_2TX PSD

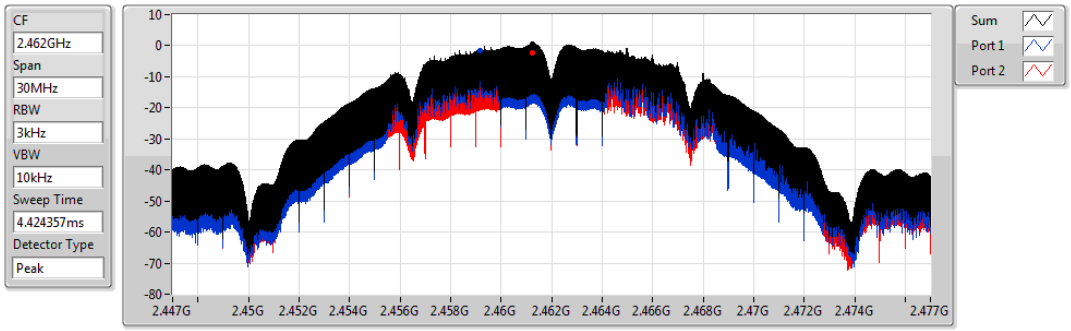
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.01	0.01	-3.13	-2.43

802.11b_Nss1,(1Mbps)_2TX PSD

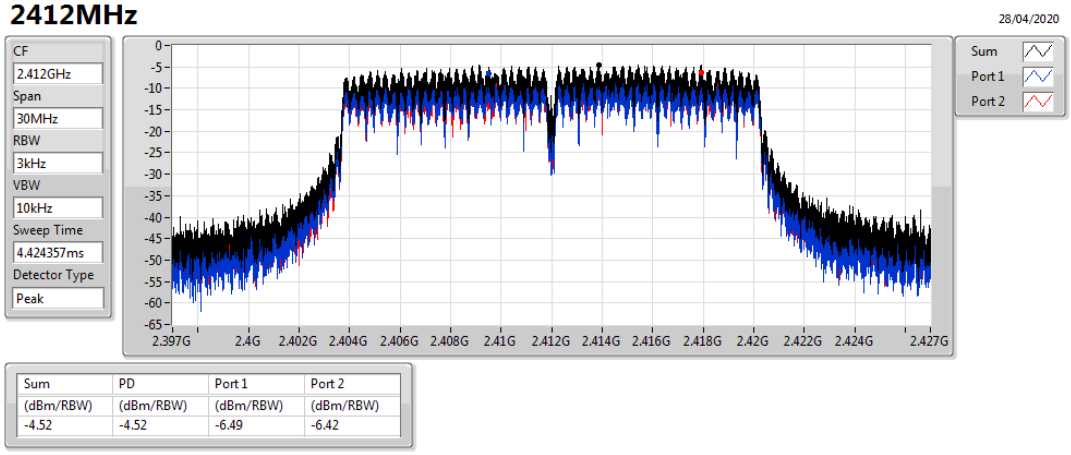
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.62	0.62	-1.77	-2.17

802.11g-BF_Nss1,(6Mbps)_2TX PSD

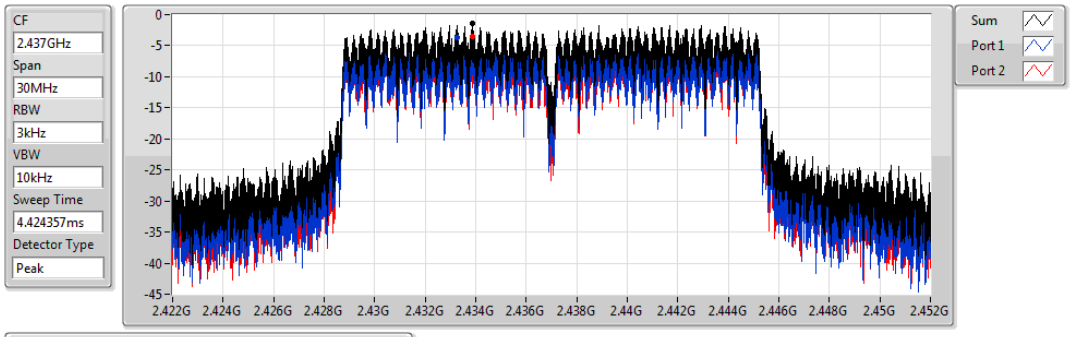
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.52	-4.52	-6.49	-6.42

802.11g-BF_Nss1,(6Mbps)_2TX PSD

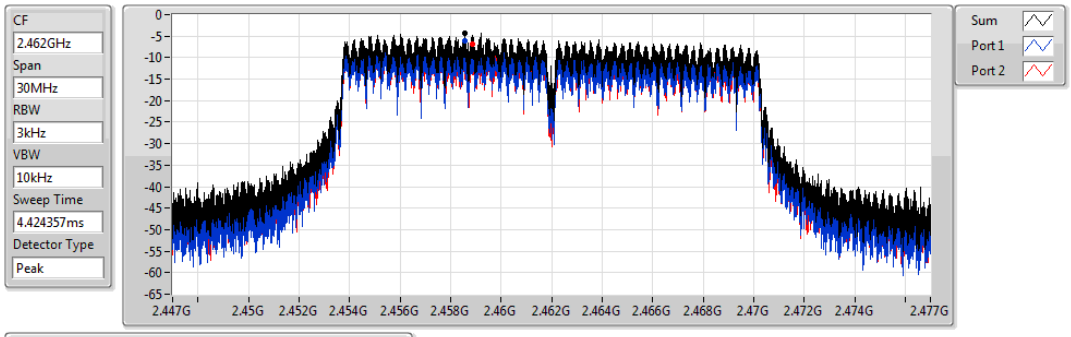
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.45	-1.45	-3.70	-3.57

802.11g-BF_Nss1,(6Mbps)_2TX PSD

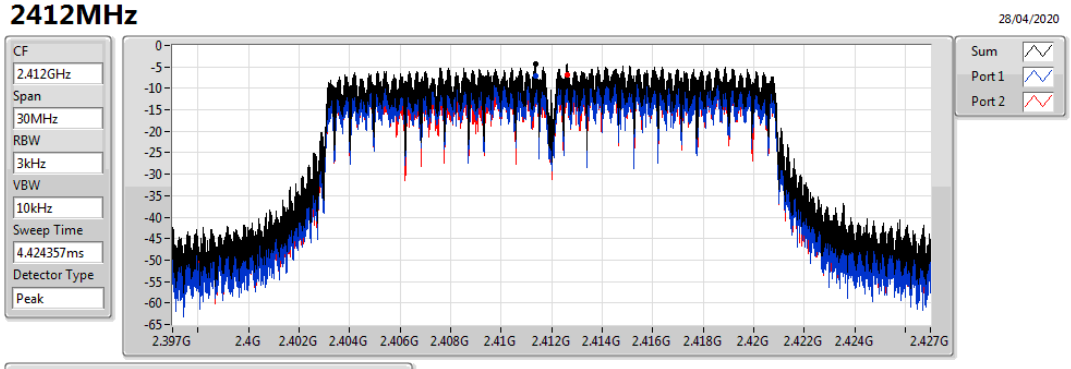
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.25	-4.25	-5.98	-6.92

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

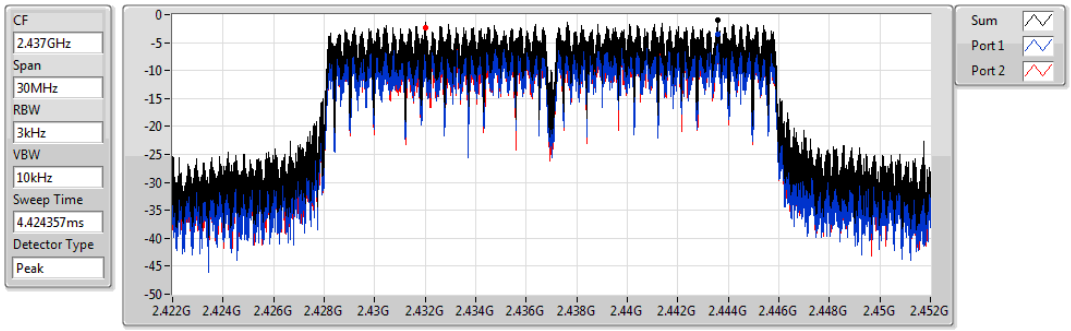
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.23	-4.23	-7.20	-6.81

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

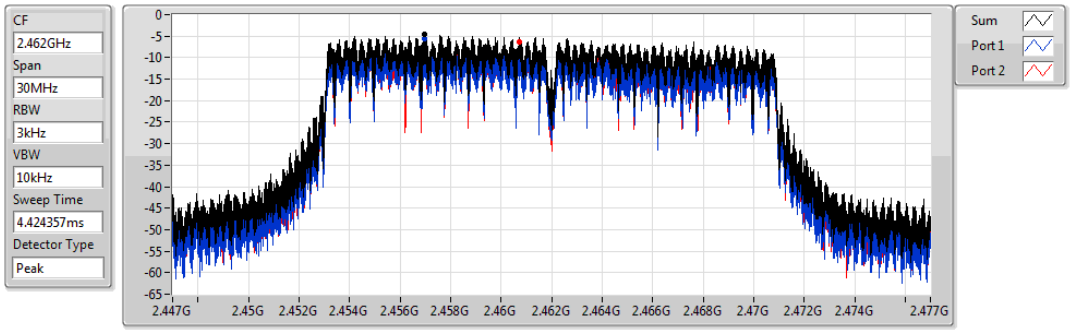
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.04	-1.04	-3.61	-2.43

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

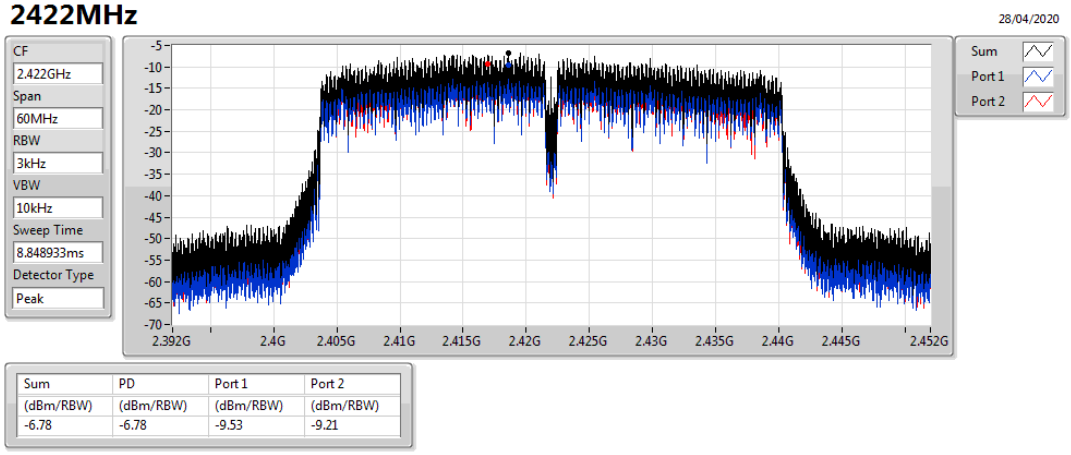
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.56	-4.56	-5.63	-6.27

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

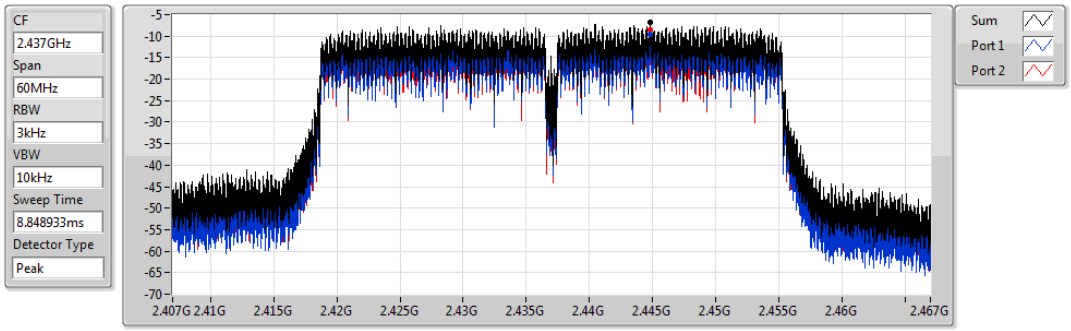
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.78	-6.78	-9.53	-9.21

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

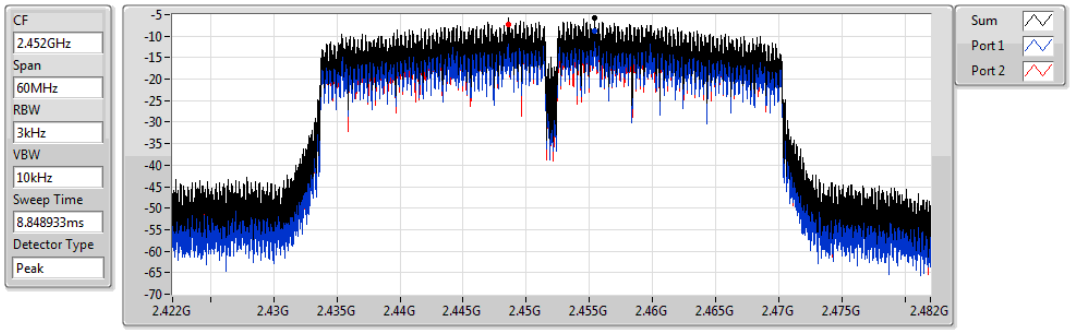
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.70	-6.70	-9.53	-8.44

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.75	-5.75	-8.87	-7.16

Summary

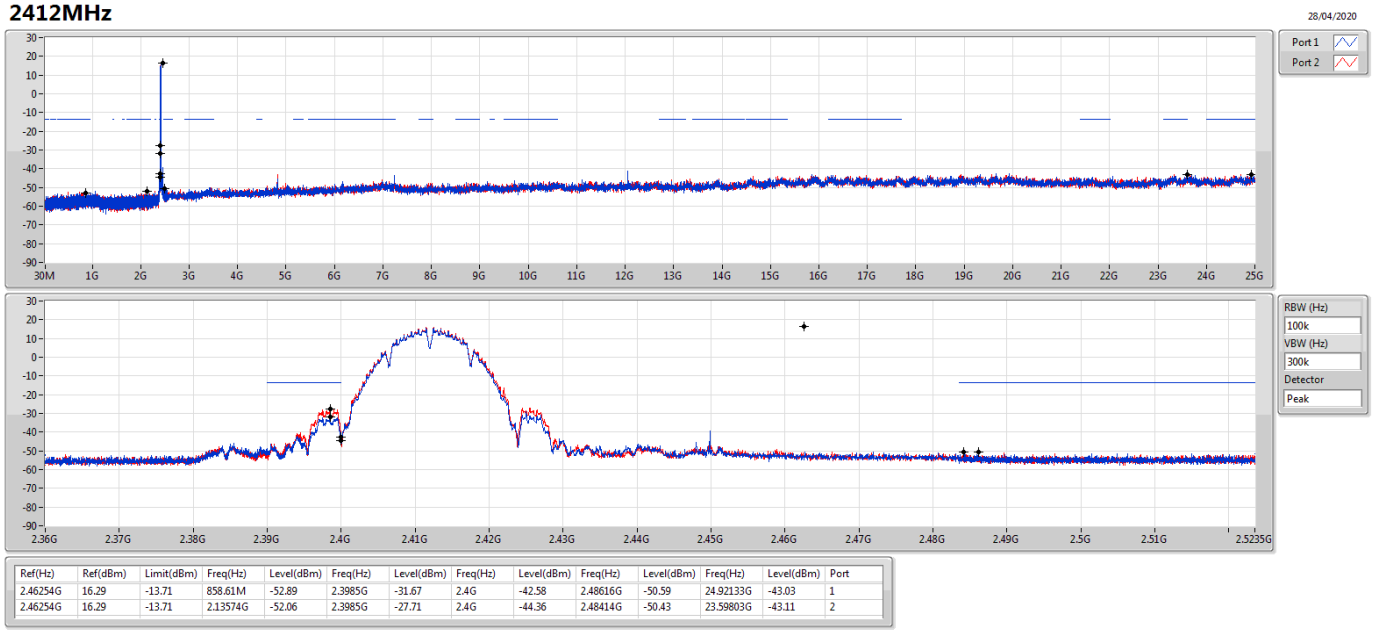
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.46254G	16.29	-13.71	2.13574G	-52.06	2.3985G	-27.71	2.4G	-44.36	2.48414G	-50.43	23.59803G	-43.11	2
802.11g-BF_Nss1,(6Mbps)_2TX	Pass	2.44196G	14.18	-15.82	290.67M	-52.81	2.39914G	-25.05	2.4G	-27.12	2.48432G	-50.95	17.63614G	-43.21	2
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.44446G	13.71	-16.29	2.00031G	-51.53	2.39888G	-24.84	2.4G	-29.80	2.48586G	-50.59	24.66566G	-43.60	2
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.44947G	6.67	-23.33	787.99M	-52.96	2.39816G	-32.65	2.4G	-37.74	2.48398G	-50.34	23.33129G	-42.94	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	2.46254G	16.29	-13.71	858.61M	-52.89	2.3985G	-31.67	2.4G	-42.58	2.48616G	-50.59	24.92133G	-43.03	1
2412MHz	Pass	2.46254G	16.29	-13.71	2.13574G	-52.06	2.3985G	-27.71	2.4G	-44.36	2.48414G	-50.43	23.59803G	-43.11	2
2437MHz	Pass	2.46254G	16.29	-13.71	922.1M	-52.64	2.4G	-45.24	2.4G	-45.21	2.49218G	-50.35	24.62071G	-41.72	1
2437MHz	Pass	2.46254G	16.29	-13.71	874.63M	-53.19	2.39946G	-47.57	2.4G	-49.78	2.49984G	-50.43	23.30583G	-43.15	2
2462MHz	Pass	2.46254G	16.29	-13.71	573.18M	-52.19	2.4G	-47.83	2.4835G	-44.96	2.48352G	-45.10	16.26226G	-43.49	1
2462MHz	Pass	2.46254G	16.29	-13.71	933.75M	-51.89	2.39566G	-51.43	2.4835G	-47.15	2.4835G	-46.05	24.60385G	-43.20	2
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	14.18	-15.82	874.63M	-52.68	2.3986G	-27.50	2.4G	-29.67	2.48506G	-50.73	17.65018G	-42.93	1
2412MHz	Pass	2.44196G	14.18	-15.82	290.67M	-52.81	2.39914G	-25.05	2.4G	-27.12	2.48432G	-50.95	17.63614G	-43.21	2
2437MHz	Pass	2.44196G	14.18	-15.82	788.71M	-53.08	2.39916G	-43.95	2.4G	-46.65	2.4838G	-49.60	16.25664G	-43.19	1
2437MHz	Pass	2.44196G	14.18	-15.82	2.30029G	-51.53	2.39948G	-41.33	2.4G	-43.94	2.48402G	-49.92	24.01946G	-42.98	2
2462MHz	Pass	2.44196G	14.18	-15.82	913.94M	-52.68	2.4G	-45.99	2.4835G	-39.45	2.4836G	-41.88	24.97752G	-42.68	1
2462MHz	Pass	2.44196G	14.18	-15.82	879.58M	-53.32	2.39998G	-49.66	2.4835G	-40.96	2.4837G	-40.97	16.90284G	-43.33	2
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44446G	13.71	-16.29	1.71284G	-52.60	2.39892G	-28.36	2.4G	-29.50	2.49804G	-51.20	23.5615G	-43.35	1
2412MHz	Pass	2.44446G	13.71	-16.29	2.00031G	-51.53	2.39888G	-24.84	2.4G	-29.80	2.48586G	-50.59	24.66566G	-43.60	2
2437MHz	Pass	2.44446G	13.71	-16.29	774.44M	-52.50	2.39984G	-39.93	2.4G	-42.03	2.48544G	-48.73	16.61346G	-43.04	1
2437MHz	Pass	2.44446G	13.71	-16.29	2.08535G	-52.18	2.39922G	-42.39	2.4G	-42.72	2.4842G	-49.41	24.58699G	-43.05	2
2462MHz	Pass	2.44446G	13.71	-16.29	875.79M	-51.95	2.4G	-47.99	2.4835G	-41.09	2.48382G	-40.26	16.9197G	-42.54	1
2462MHz	Pass	2.44446G	13.71	-16.29	920.35M	-52.15	2.39914G	-51.19	2.4835G	-40.13	2.48352G	-39.07	23.31988G	-42.87	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44947G	6.67	-23.33	934.26M	-52.31	2.39792G	-32.88	2.4G	-37.77	2.48434G	-51.02	16.59473G	-42.95	1
2422MHz	Pass	2.44947G	6.67	-23.33	787.99M	-52.96	2.39816G	-32.65	2.4G	-37.74	2.48398G	-50.34	23.33129G	-42.94	2
2437MHz	Pass	2.44947G	6.67	-23.33	1.84654G	-52.68	2.39948G	-33.27	2.4G	-35.76	2.48358G	-45.00	23.58931G	-42.59	1
2437MHz	Pass	2.44947G	6.67	-23.33	765.38M	-52.74	2.397G	-32.99	2.4G	-34.92	2.4845G	-45.09	17.6857G	-42.82	2
2452MHz	Pass	2.44947G	6.67	-23.33	916.8M	-52.50	2.4G	-44.94	2.4835G	-38.71	2.4839G	-36.71	16.26659G	-42.74	1
2452MHz	Pass	2.44947G	6.67	-23.33	864.42M	-52.67	2.39448G	-48.20	2.4835G	-36.87	2.48446G	-34.83	24.27923G	-43.26	2

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

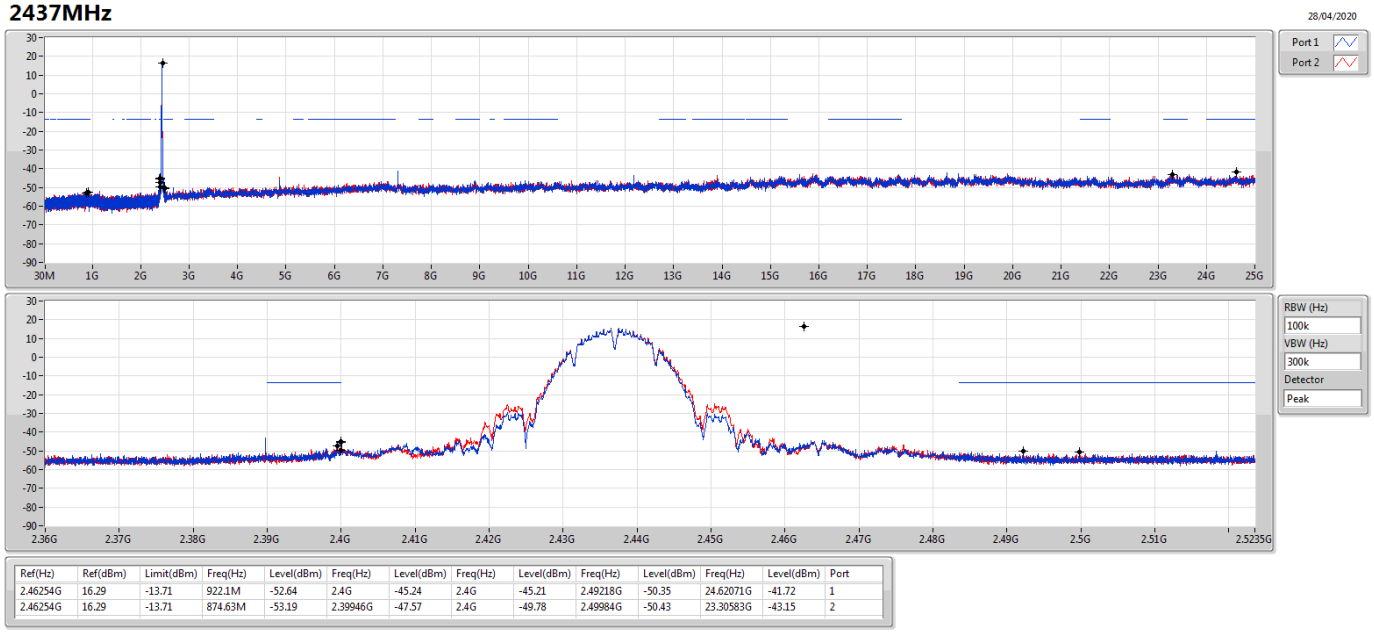
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46254G	16.29	-13.71	858.61M	-52.89	2.3985G	-31.67	2.4G	-42.58	2.48616G	-50.59	24.92133G	-43.03	1
2.46254G	16.29	-13.71	2.13574G	-52.06	2.3985G	-27.71	2.4G	-44.36	2.48414G	-50.43	23.59803G	-43.11	2

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

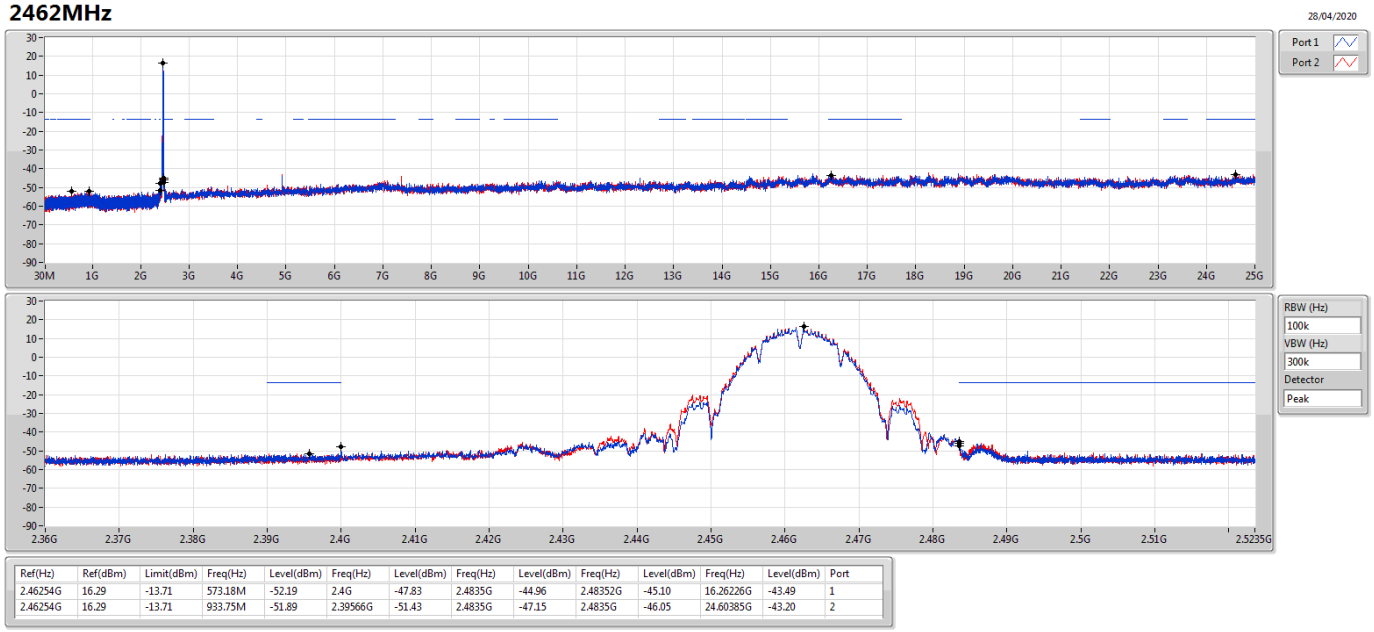
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46254G	16.29	-13.71	922.1M	-52.64	2.4G	-45.24	2.4G	-45.21	2.49218G	-50.35	24.62071G	-41.72	1
2.46254G	16.29	-13.71	874.63M	-53.19	2.39946G	-47.57	2.4G	-49.78	2.49984G	-50.43	23.30583G	-43.15	2

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

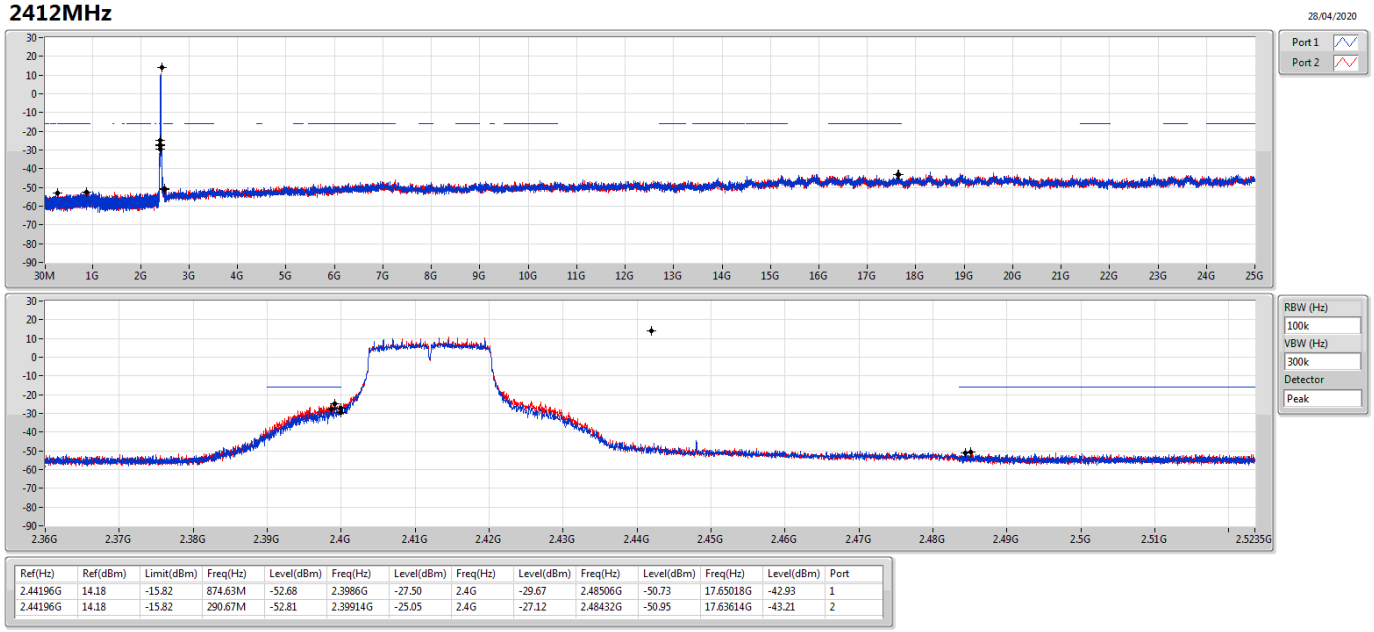
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46254G	16.29	-13.71	573.18M	-52.19	2.4G	-47.83	2.4835G	-44.96	2.48352G	-45.10	16.26226G	-43.49	1
2.46254G	16.29	-13.71	933.75M	-51.89	2.39566G	-51.43	2.4835G	-47.15	2.4835G	-46.05	24.60385G	-43.20	2

802.11g-BF_Nss1,(6Mbps)_2TX **CSE NdB**

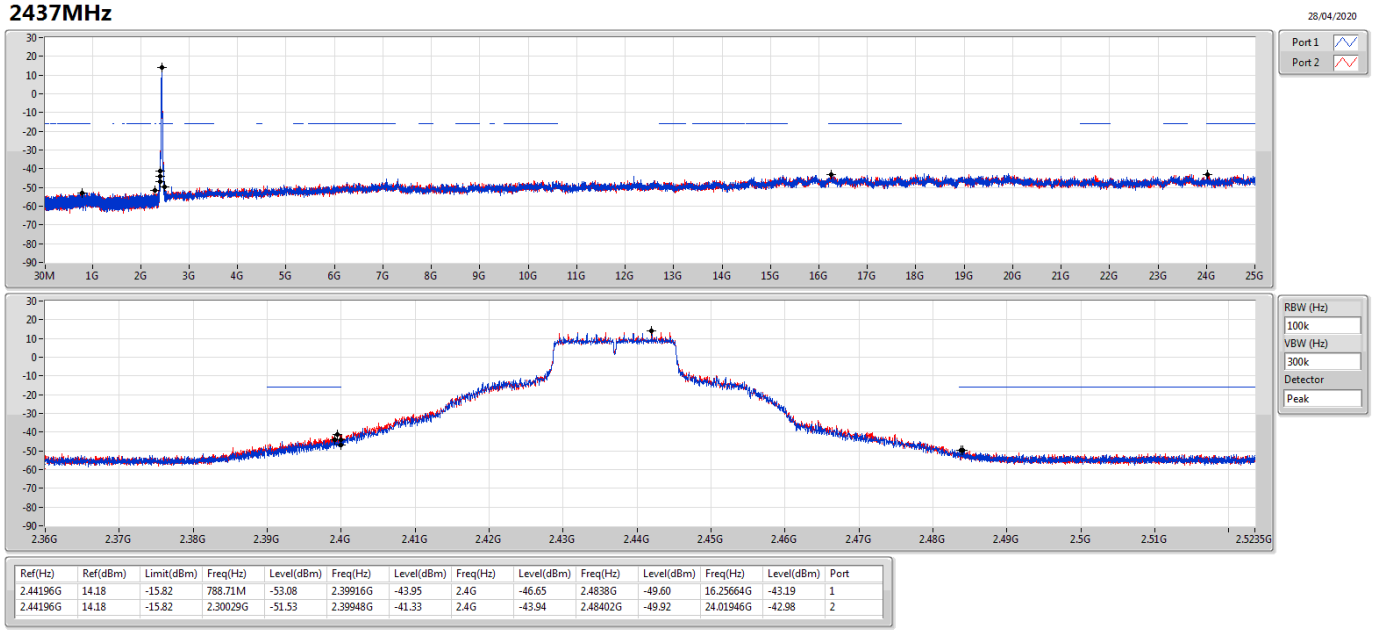
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	14.18	-15.82	874.63M	-52.68	2.3986G	-27.50	2.4G	-29.67	2.48506G	-50.73	17.65018G	-42.93	1
2.44196G	14.18	-15.82	290.67M	-52.81	2.39914G	-25.05	2.4G	-27.12	2.48432G	-50.95	17.63614G	-43.21	2

802.11g-BF_Nss1,(6Mbps)_2TX **CSE NdB**

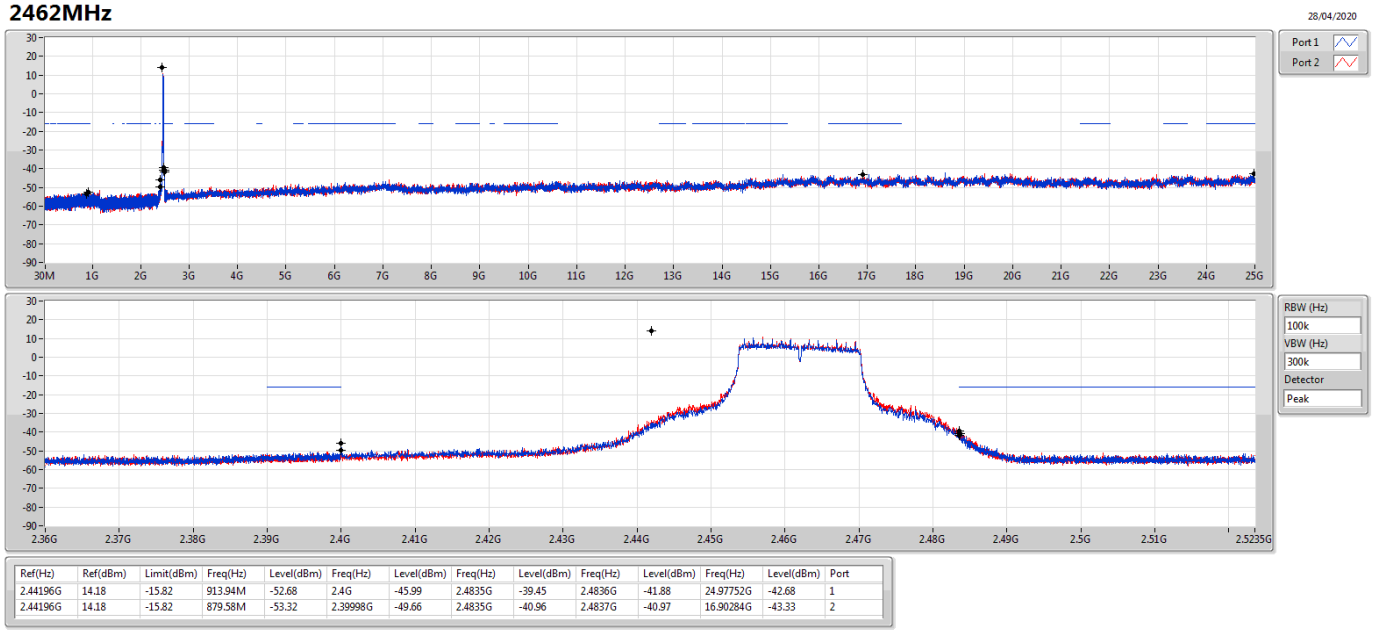
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	14.18	-15.82	788.71M	-53.08	2.39916G	-43.95	2.4G	-46.65	2.4838G	-49.60	16.25664G	-43.19	1
2.44196G	14.18	-15.82	2.30029G	-51.53	2.39948G	-41.33	2.4G	-43.94	2.48402G	-49.92	24.01946G	-42.98	2

802.11g-BF_Nss1,(6Mbps)_2TX **CSE NdB**

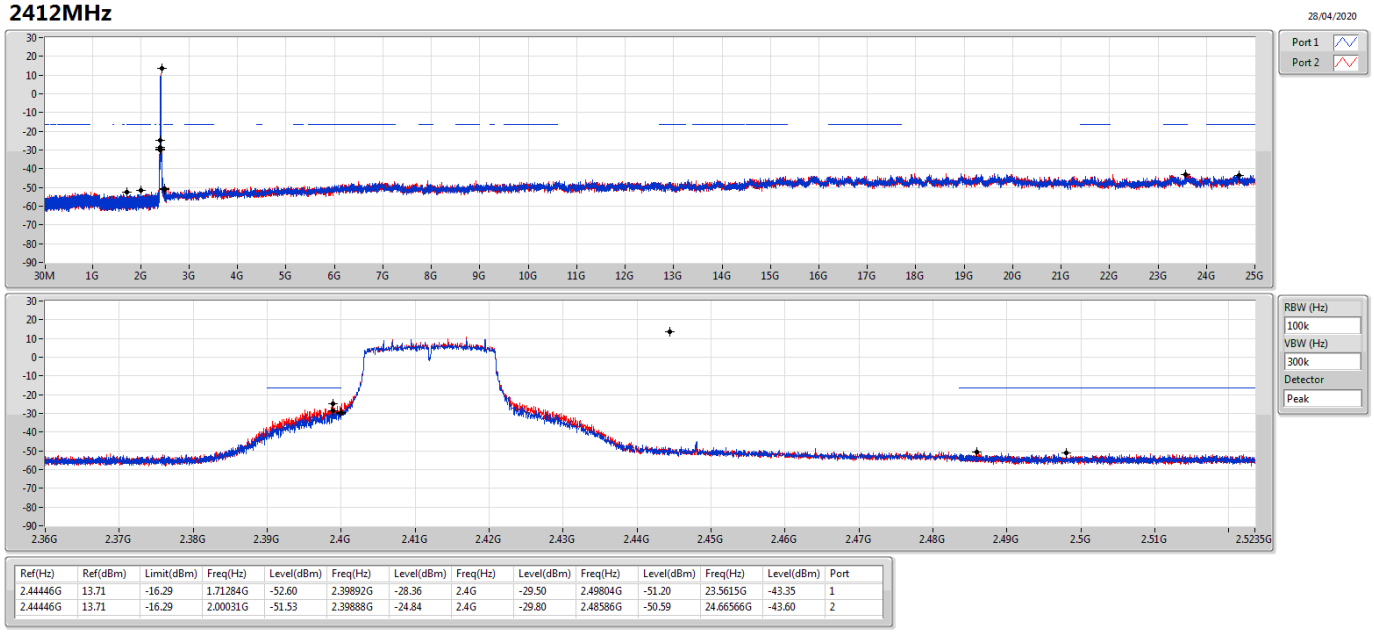
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	14.18	-15.82	913.94M	-52.68	2.4G	-45.99	2.4835G	-39.45	2.4836G	-41.88	24.97752G	-42.68	1
2.44196G	14.18	-15.82	879.58M	-53.32	2.39998G	-49.66	2.4835G	-40.96	2.4837G	-40.97	16.90284G	-43.33	2

VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

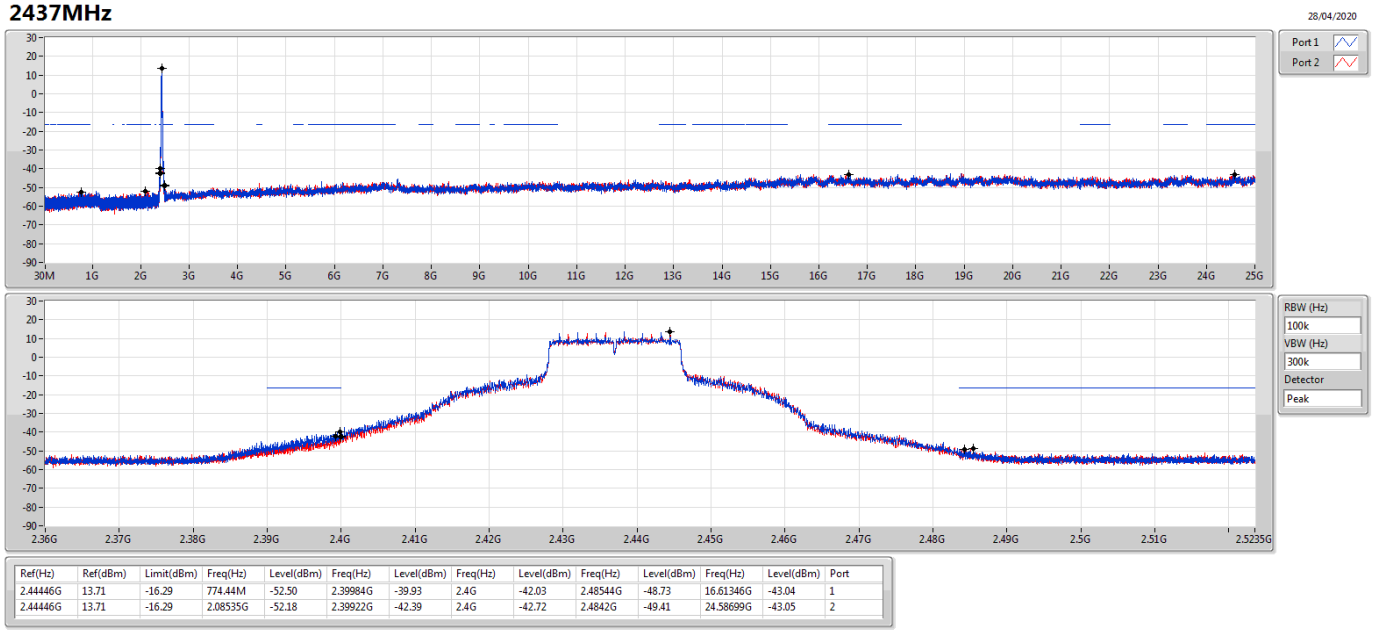
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44446G	13.71	-16.29	1.71284G	-52.60	2.39892G	-28.36	2.4G	-29.50	2.49804G	-51.20	23.5615G	-43.35	1
2.44446G	13.71	-16.29	2.00031G	-51.53	2.39888G	-24.84	2.4G	-29.80	2.48586G	-50.59	24.66566G	-43.60	2

VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

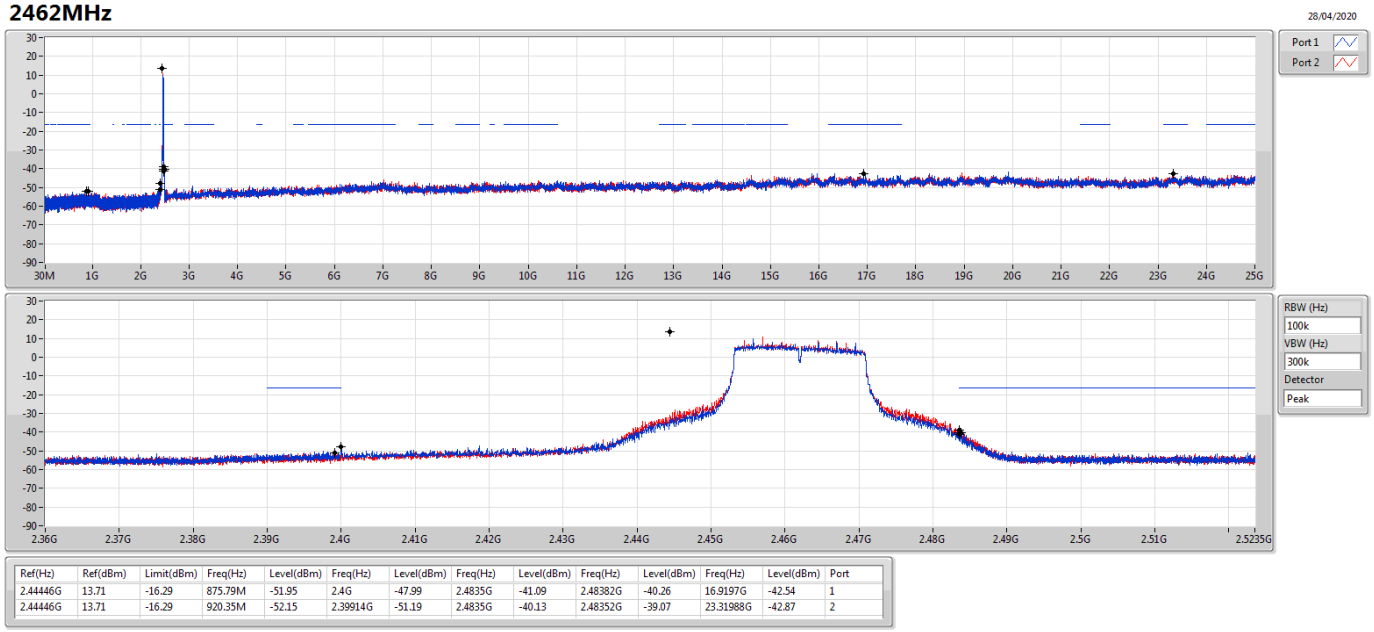
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44446G	13.71	-16.29	774.44M	-52.50	2.39984G	-39.93	2.4G	-42.03	2.48544G	-48.73	16.61346G	-43.04	1
2.44446G	13.71	-16.29	2.08535G	-52.18	2.39922G	-42.39	2.4G	-42.72	2.4842G	-49.41	24.58699G	-43.05	2

VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

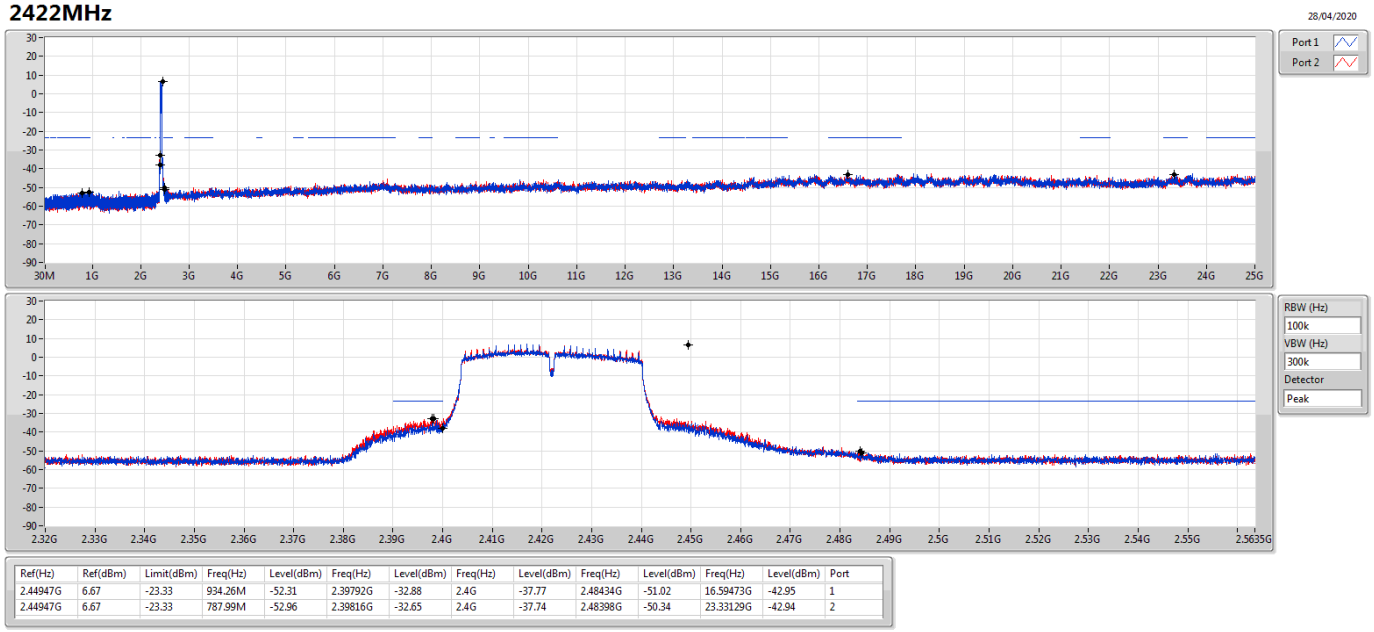
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44446G	13.71	-16.29	875.79M	-51.95	2.4G	-47.99	2.4835G	-41.09	2.48382G	-40.26	16.9197G	-42.54	1
2.44446G	13.71	-16.29	920.35M	-52.15	2.39914G	-51.19	2.4835G	-40.13	2.48352G	-39.07	23.31988G	-42.87	2

VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

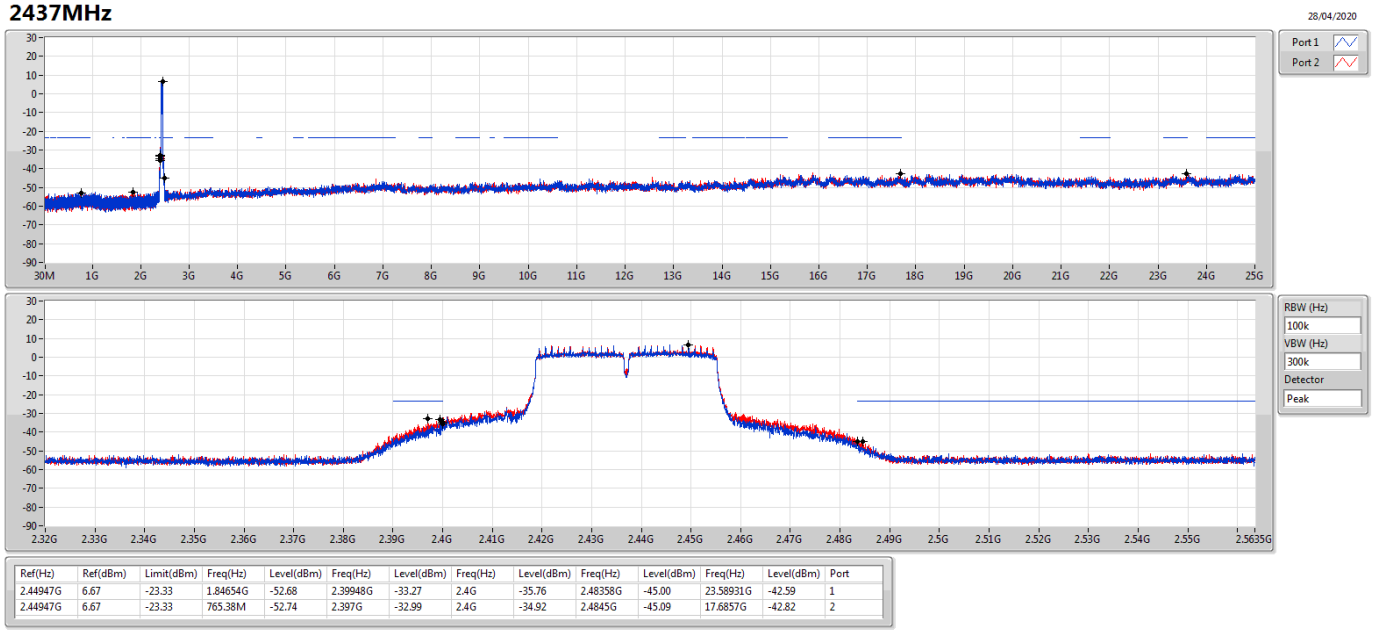
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44947G	6.67	-23.33	934.26M	-52.31	2.39792G	-32.88	2.4G	-37.77	2.48434G	-51.02	16.59473G	-42.95	1
2.44947G	6.67	-23.33	787.99M	-52.96	2.39816G	-32.65	2.4G	-37.74	2.48398G	-50.34	23.33129G	-42.94	2

VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

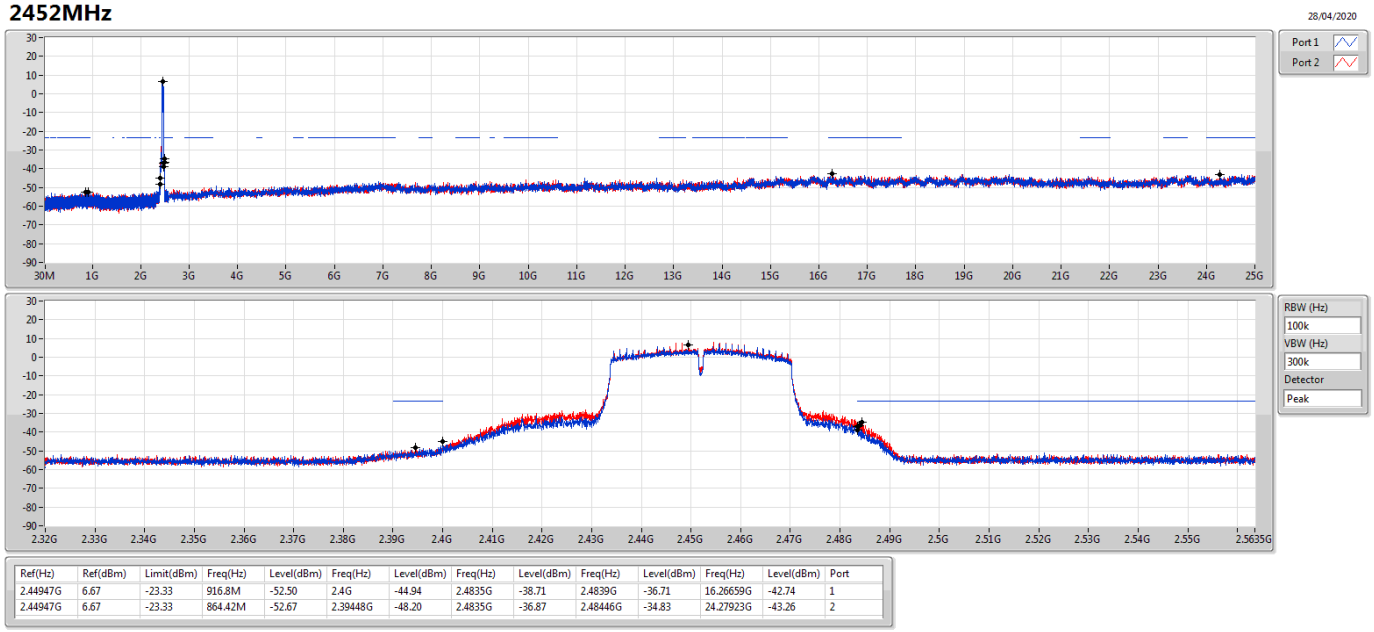
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44947G	6.67	-23.33	1.84654G	-52.68	2.39948G	-33.27	2.4G	-35.76	2.48358G	-45.00	23.58931G	-42.59	1
2.44947G	6.67	-23.33	765.38M	-52.74	2.397G	-32.99	2.4G	-34.92	2.4845G	-45.09	17.6857G	-42.82	2

VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz

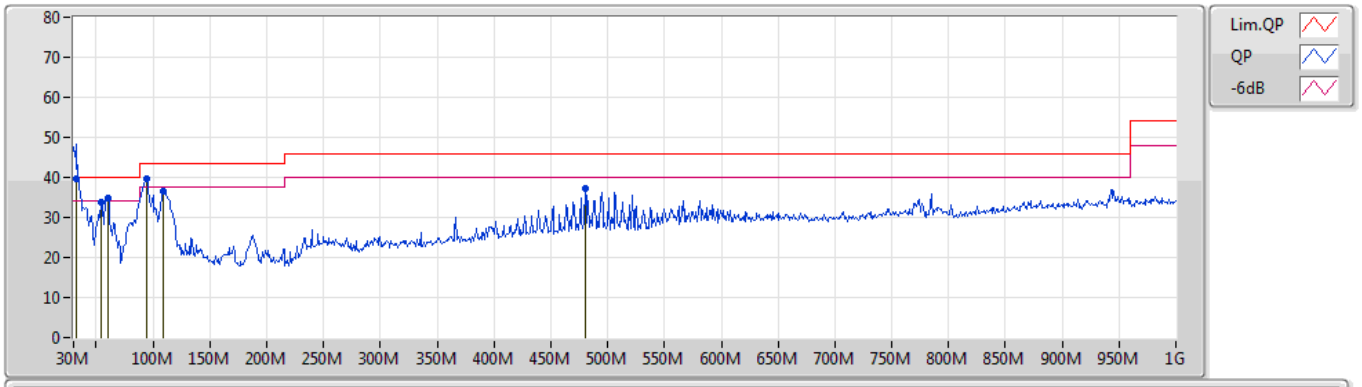


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44947G	6.67	-23.33	916.8M	-52.50	2.4G	-44.94	2.4835G	-38.71	2.4839G	-36.71	16.26659G	-42.74	1
2.44947G	6.67	-23.33	864.42M	-52.67	2.39448G	-48.20	2.4835G	-36.87	2.48446G	-34.83	24.27923G	-43.26	2

Summary

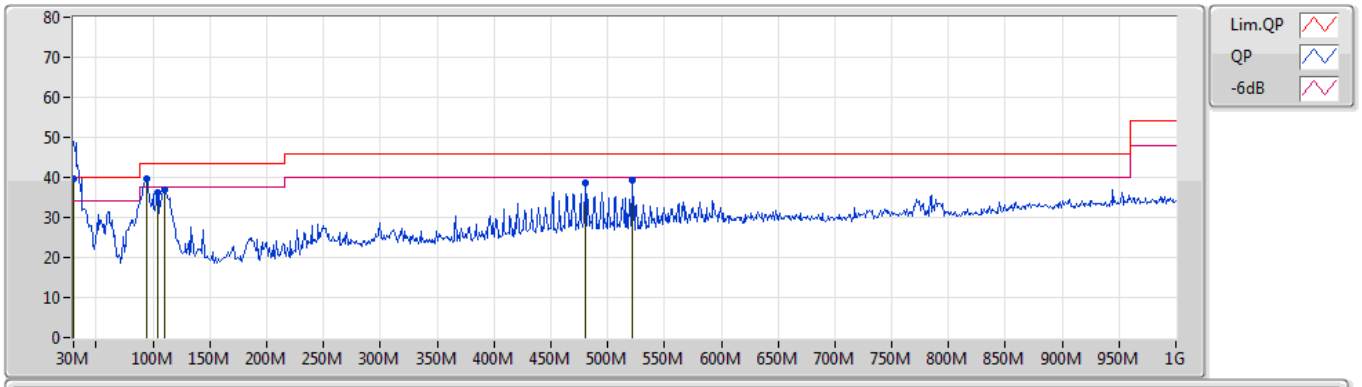
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 6	Pass	QP	30M	39.75	40.00	-0.25	Horizontal

14/05/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	31.94M	39.52	40.00	-0.48	-7.46	3	Vertical	323	2.00	"Worst"	46.98	23.40	1.54	32.40
PK	54.25M	33.89	40.00	-6.11	-18.38	3	Vertical	348	3.00	-	52.27	12.80	1.48	32.66
PK	60.07M	34.74	40.00	-5.26	-18.69	3	Vertical	254	1.00	-	53.43	12.23	1.60	32.52
PK	94.02M	39.61	43.50	-3.89	-14.81	3	Vertical	201	4.00	-	54.42	15.52	2.00	32.33
PK	108.57M	36.65	43.50	-6.85	-12.85	3	Vertical	354	1.00	-	49.50	17.41	2.19	32.45
PK	480.08M	37.25	46.00	-8.75	-4.40	3	Vertical	284	1.25	-	41.65	23.28	4.48	32.16

14/05/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	30M	39.75	40.00	-0.25	-6.64	3	Horizontal	88	3.00	"Worst"	46.39	24.21	1.50	32.35
PK	94.02M	39.67	43.50	-3.83	-14.81	3	Horizontal	45	4.00	-	54.48	15.52	2.00	32.33
PK	103.72M	36.31	43.50	-7.19	-13.28	3	Horizontal	98	2.00	-	49.59	16.98	2.14	32.40
PK	110.51M	36.90	43.50	-6.60	-12.71	3	Horizontal	245	1.25	-	49.61	17.56	2.21	32.48
PK	480.08M	38.63	46.00	-7.37	-4.40	3	Horizontal	162	1.25	-	43.03	23.28	4.48	32.16
PK	521.79M	39.48	46.00	-6.52	-4.19	3	Horizontal	293	4.00	-	43.67	23.41	4.73	32.33

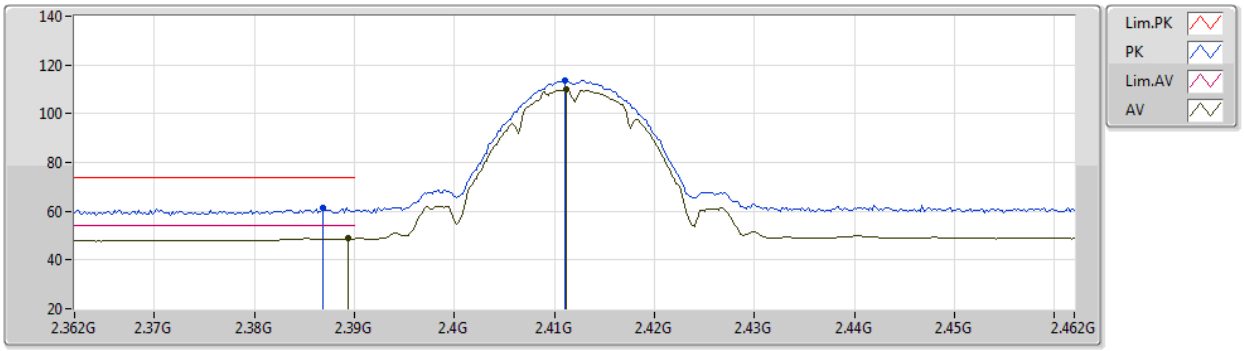
Summary

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-BF_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.93	54.00	-0.07	3	Horizontal	133	1.90	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/04/2020



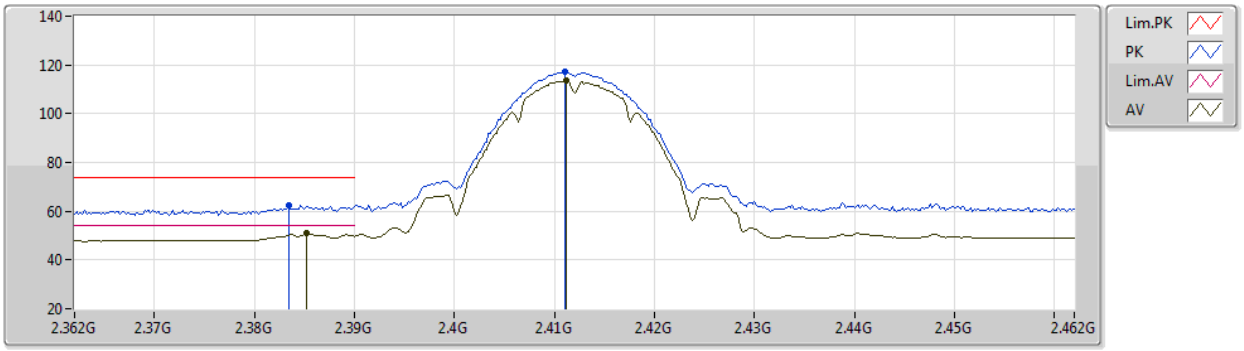
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3868G	61.37	74.00	-12.63	28.31	3	Vertical	187	1.20	-	29.56	3.50	-
AV	2.3894G	48.84	54.00	-5.16	15.77	3	Vertical	187	1.20	-	29.57	3.50	-
PK	2.411G	113.74	Inf	-Inf	80.56	3	Vertical	187	1.20	-	29.67	3.51	-
AV	2.4112G	110.08	Inf	-Inf	76.90	3	Vertical	187	1.20	-	29.67	3.51	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/04/2020



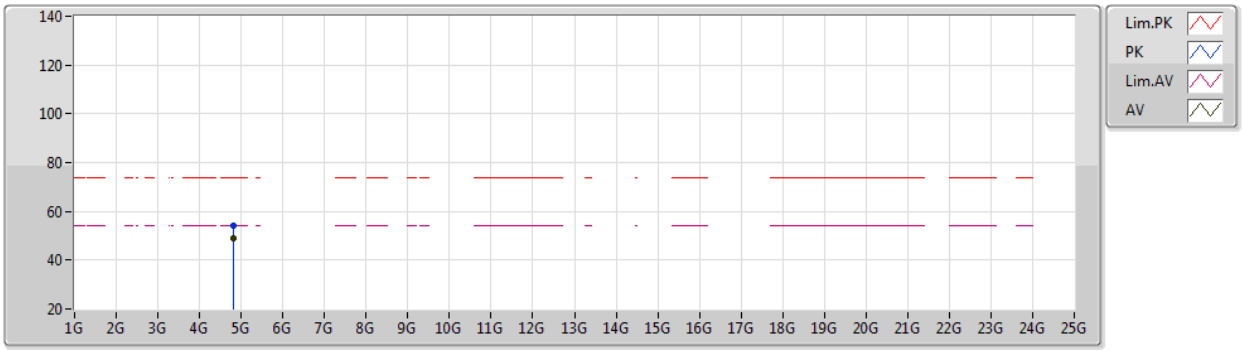
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3834G	62.43	74.00	-11.57	29.38	3	Horizontal	135	2.34	-	29.55	3.50	-
AV	2.3852G	51.02	54.00	-2.98	17.96	3	Horizontal	135	2.34	-	29.56	3.50	-
PK	2.411G	117.24	Inf	-Inf	84.06	3	Horizontal	135	2.34	-	29.67	3.51	-
AV	2.4112G	113.53	Inf	-Inf	80.35	3	Horizontal	135	2.34	-	29.67	3.51	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/04/2020



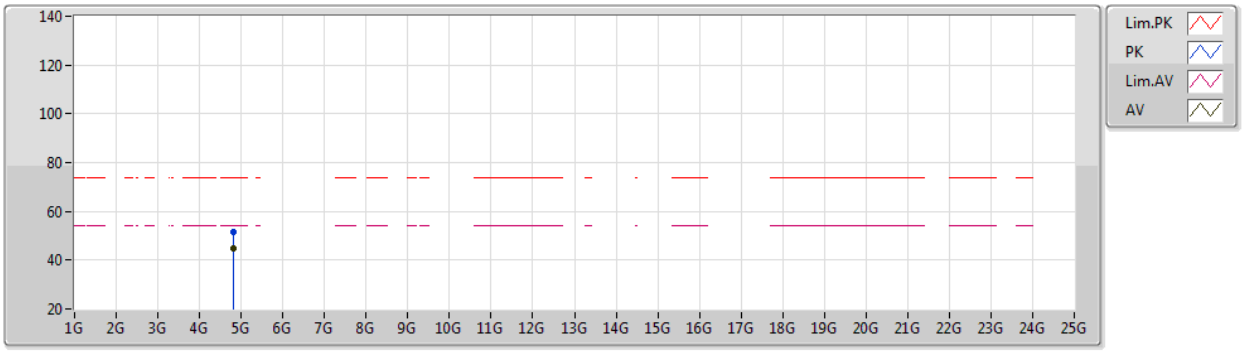
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82401G	53.94	74.00	-20.06	44.65	3	Vertical	108	1.24	-	33.85	5.81	30.37
AV	4.82399G	49.08	54.00	-4.92	39.79	3	Vertical	108	1.24	-	33.85	5.81	30.37

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/04/2020



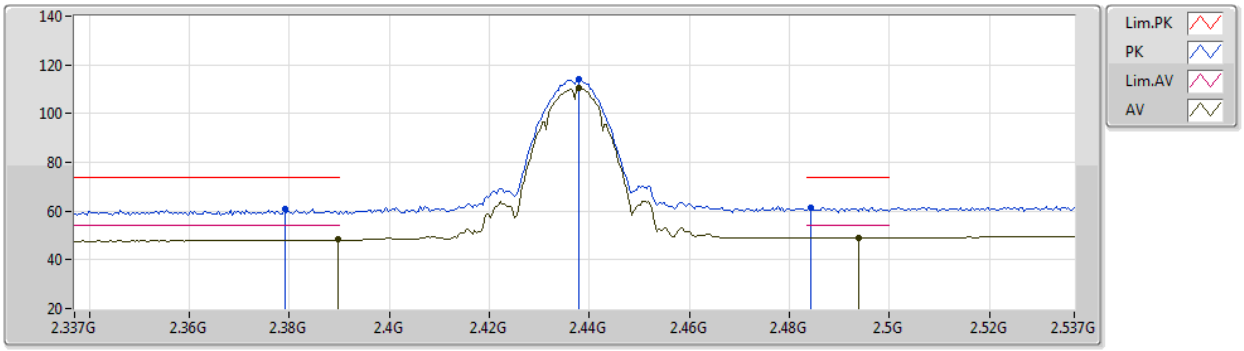
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82413G	51.79	74.00	-22.21	42.50	3	Horizontal	173	1.46	-	33.85	5.81	30.37
AV	4.82399G	44.64	54.00	-9.36	35.35	3	Horizontal	173	1.46	-	33.85	5.81	30.37

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/04/2020



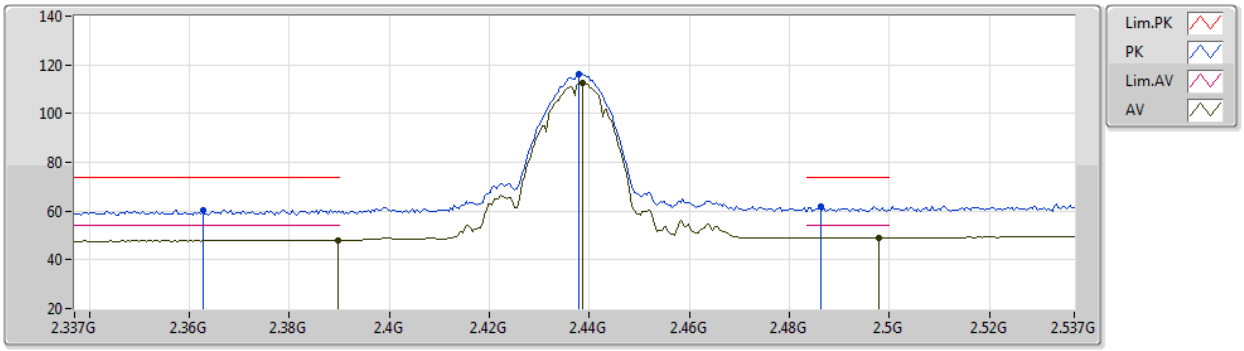
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.379G	60.68	74.00	-13.32	27.64	3	Vertical	172	1.80	-	29.54	3.50	-
AV	2.3898G	48.19	54.00	-5.81	15.12	3	Vertical	172	1.80	-	29.57	3.50	-
PK	2.4378G	114.18	Inf	-Inf	80.81	3	Vertical	172	1.80	-	29.83	3.54	-
AV	2.4378G	110.48	Inf	-Inf	77.11	3	Vertical	172	1.80	-	29.83	3.54	-
PK	2.4842G	61.63	74.00	-12.37	27.94	3	Vertical	172	1.80	-	30.11	3.58	-
AV	2.4938G	49.03	54.00	-4.97	15.28	3	Vertical	172	1.80	-	30.16	3.59	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/04/2020



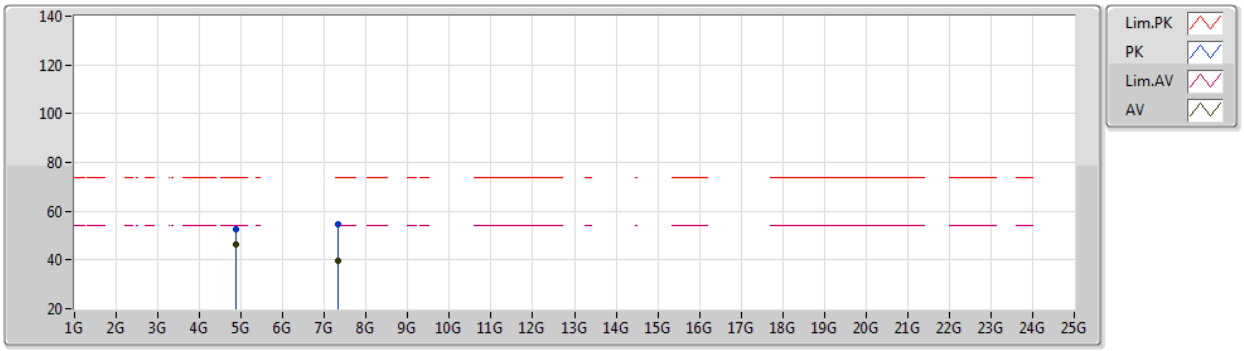
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3626G	60.60	74.00	-13.40	27.61	3	Horizontal	103	1.80	-	29.49	3.50	-
AV	2.3898G	48.11	54.00	-5.89	15.04	3	Horizontal	103	1.80	-	29.57	3.50	-
PK	2.4378G	116.29	Inf	-Inf	82.92	3	Horizontal	103	1.80	-	29.83	3.54	-
AV	2.4386G	112.69	Inf	-Inf	79.32	3	Horizontal	103	1.80	-	29.83	3.54	-
PK	2.4862G	61.75	74.00	-12.25	28.04	3	Horizontal	103	1.80	-	30.12	3.59	-
AV	2.4978G	49.04	54.00	-4.96	15.25	3	Horizontal	103	1.80	-	30.19	3.60	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/04/2020



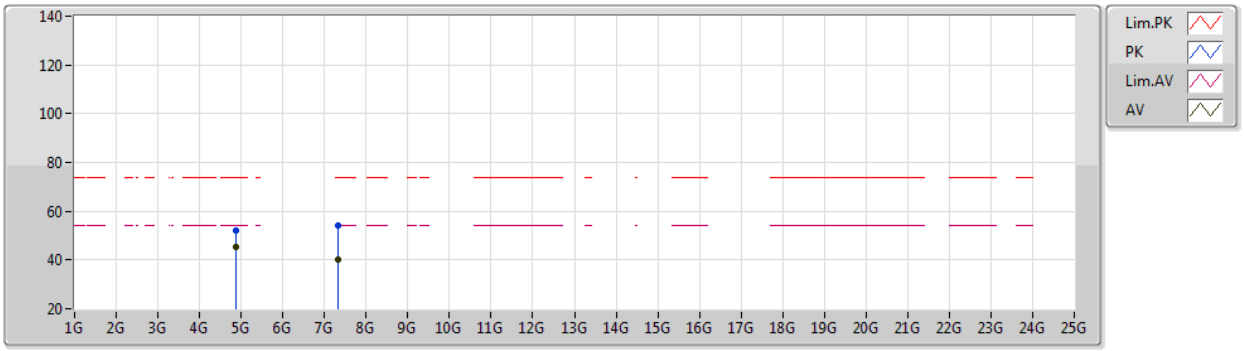
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87398G	52.45	74.00	-21.55	43.02	3	Vertical	108	1.31	-	33.95	5.84	30.36
AV	4.87402G	46.22	54.00	-7.78	36.79	3	Vertical	108	1.31	-	33.95	5.84	30.36
PK	7.31272G	54.58	74.00	-19.42	39.09	3	Vertical	360	1.80	-	39.94	6.96	31.41
AV	7.31234G	39.81	54.00	-14.19	24.32	3	Vertical	360	1.80	-	39.94	6.96	31.41

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/04/2020



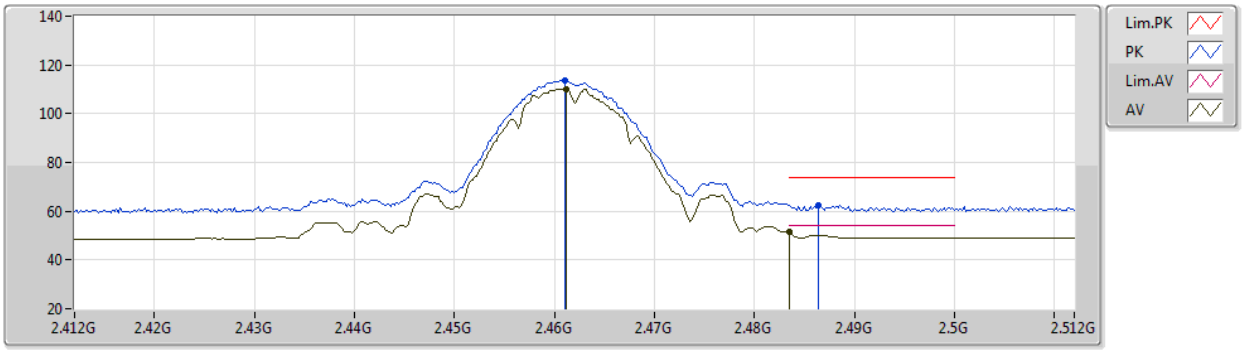
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87396G	51.90	74.00	-22.10	42.47	3	Horizontal	170	2.92	-	33.95	5.84	30.36
AV	4.87399G	45.12	54.00	-8.88	35.69	3	Horizontal	170	2.92	-	33.95	5.84	30.36
PK	7.31528G	54.04	74.00	-19.96	38.55	3	Horizontal	300	1.80	-	39.95	6.95	31.41
AV	7.31178G	39.98	54.00	-14.02	24.49	3	Horizontal	300	1.80	-	39.94	6.96	31.41

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/04/2020



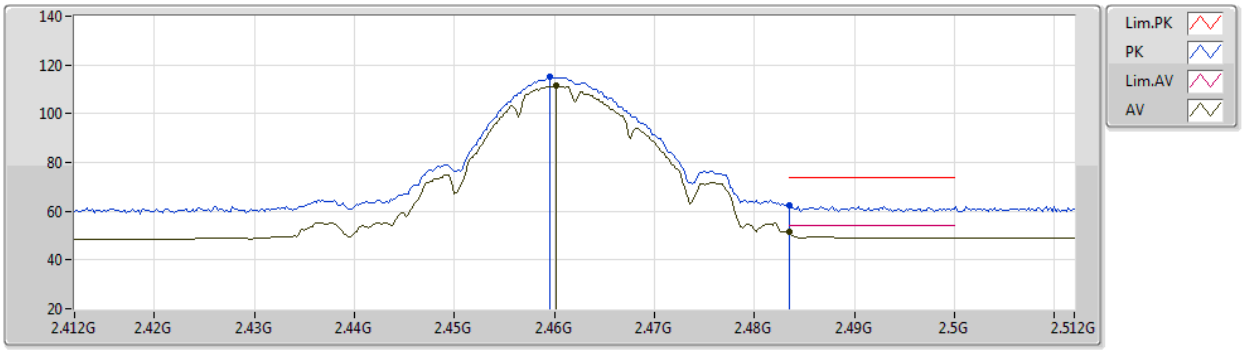
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.461G	113.83	Inf	-Inf	80.30	3	Vertical	186	2.98	-	29.97	3.56	-
AV	2.4612G	110.09	Inf	-Inf	76.56	3	Vertical	186	2.98	-	29.97	3.56	-
PK	2.4864G	62.62	74.00	-11.38	28.91	3	Vertical	186	2.98	-	30.12	3.59	-
AV	2.4835G	51.45	54.00	-2.55	17.77	3	Vertical	186	2.98	-	30.10	3.58	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/04/2020



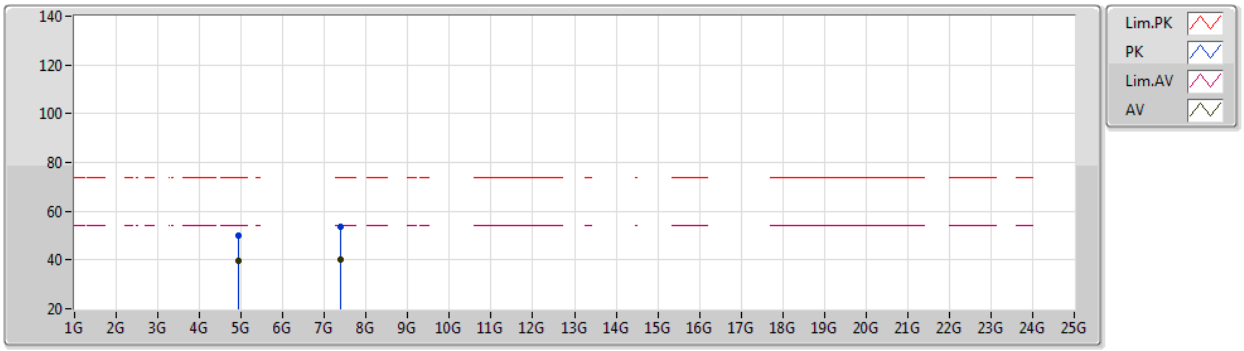
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4596G	114.97	Inf	-Inf	81.45	3	Horizontal	118	1.80	-	29.96	3.56	-
AV	2.4602G	111.53	Inf	-Inf	78.01	3	Horizontal	118	1.80	-	29.96	3.56	-
PK	2.4835G	62.38	74.00	-11.62	28.70	3	Horizontal	118	1.80	-	30.10	3.58	-
AV	2.4835G	51.54	54.00	-2.46	17.86	3	Horizontal	118	1.80	-	30.10	3.58	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/04/2020



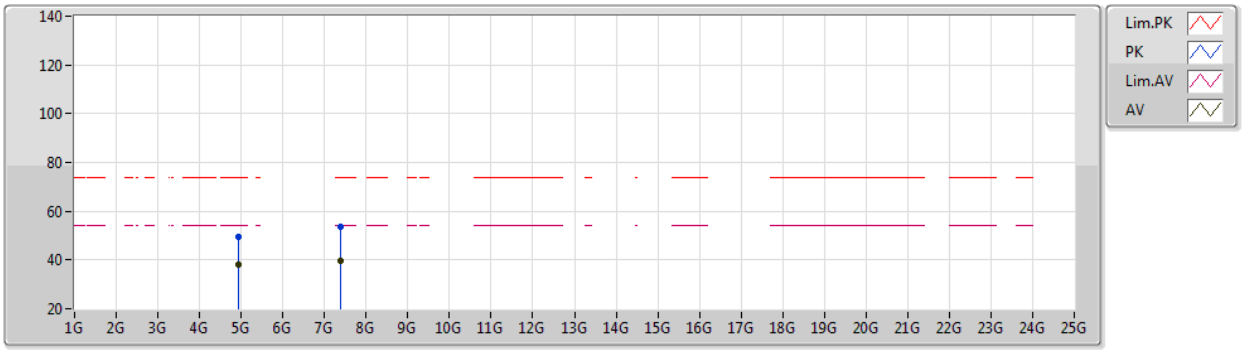
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92394G	49.97	74.00	-24.03	40.41	3	Vertical	120	1.78	-	34.05	5.86	30.35
AV	4.924G	39.72	54.00	-14.28	30.16	3	Vertical	120	1.78	-	34.05	5.86	30.35
PK	7.38178G	53.54	74.00	-20.46	38.02	3	Vertical	205	2.28	-	40.15	6.83	31.46
AV	7.38504G	40.14	54.00	-13.86	24.61	3	Vertical	205	2.28	-	40.16	6.83	31.46

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/04/2020



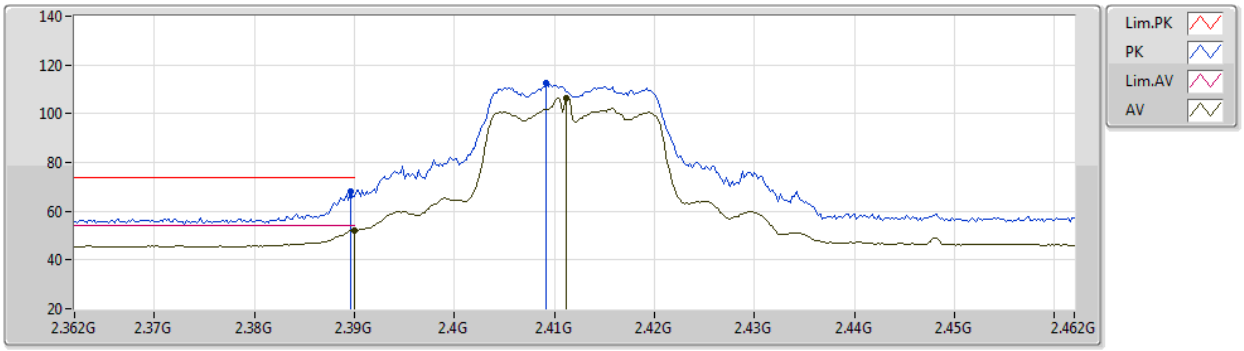
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92387G	49.57	74.00	-24.43	40.01	3	Horizontal	109	2.47	-	34.05	5.86	30.35
AV	4.92404G	38.21	54.00	-15.79	28.65	3	Horizontal	109	2.47	-	34.05	5.86	30.35
PK	7.38242G	53.39	74.00	-20.61	37.87	3	Horizontal	110	1.49	-	40.15	6.83	31.46
AV	7.3818G	39.64	54.00	-14.36	24.12	3	Horizontal	110	1.49	-	40.15	6.83	31.46

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

13/04/2020



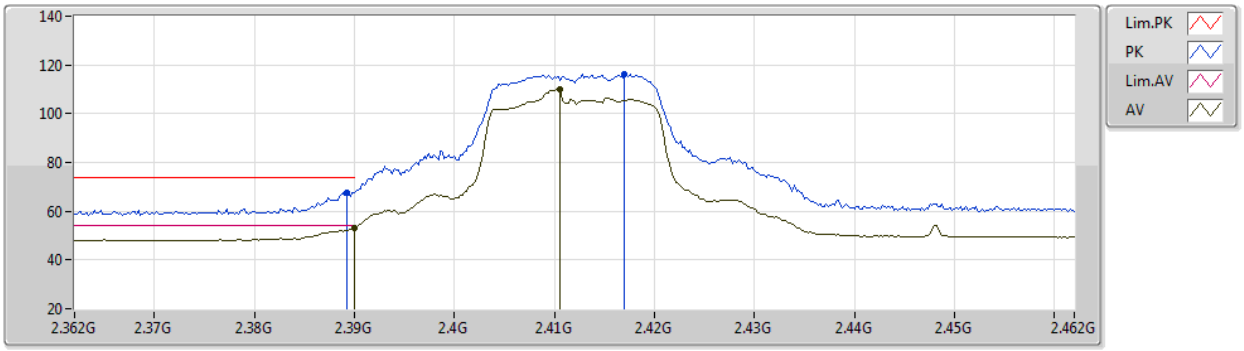
EUT Z_2TX
Setting 22
02-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	67.96	74.00	-6.04	34.89	3	Vertical	29	2.99	-	29.57	3.50	-
AV	2.39G	52.12	54.00	-1.88	19.05	3	Vertical	29	2.99	-	29.57	3.50	-
PK	2.4092G	112.61	Inf	-Inf	79.44	3	Vertical	29	2.99	-	29.66	3.51	-
AV	2.4112G	106.57	Inf	-Inf	73.39	3	Vertical	29	2.99	-	29.67	3.51	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

13/04/2020



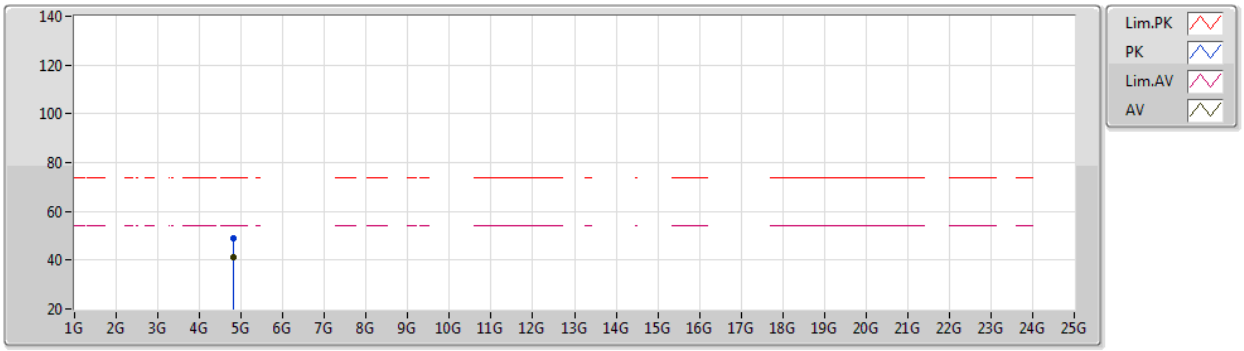
EUT Z_2TX
Setting 22
02-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	67.53	74.00	-6.47	34.46	3	Horizontal	122	1.89	-	29.57	3.50	-
AV	2.39G	53.01	54.00	-0.99	19.94	3	Horizontal	122	1.89	-	29.57	3.50	-
PK	2.417G	116.13	Inf	-Inf	82.91	3	Horizontal	122	1.89	-	29.70	3.52	-
AV	2.4106G	110.05	Inf	-Inf	76.88	3	Horizontal	122	1.89	-	29.66	3.51	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

13/04/2020



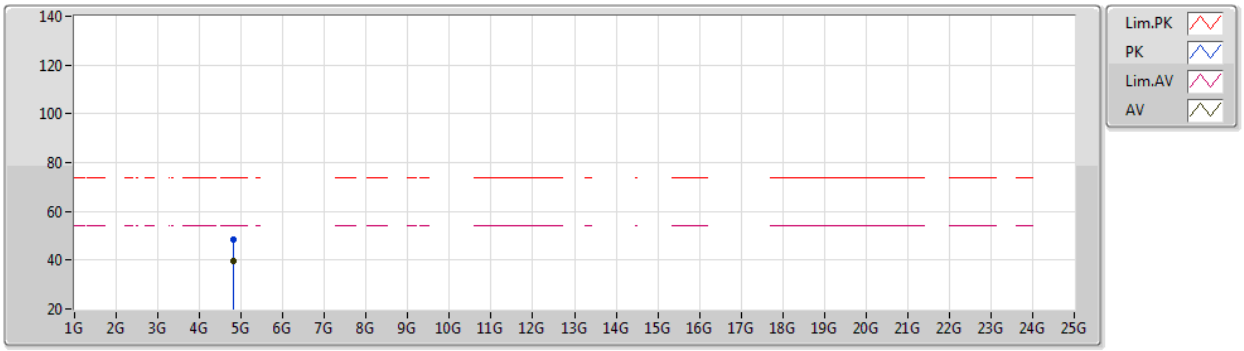
EUT Z_2TX
Setting 22
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82408G	49.10	74.00	-24.90	39.81	3	Vertical	54	1.08	-	33.85	5.81	30.37
AV	4.82408G	41.36	54.00	-12.64	32.07	3	Vertical	54	1.08	-	33.85	5.81	30.37

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

13/04/2020



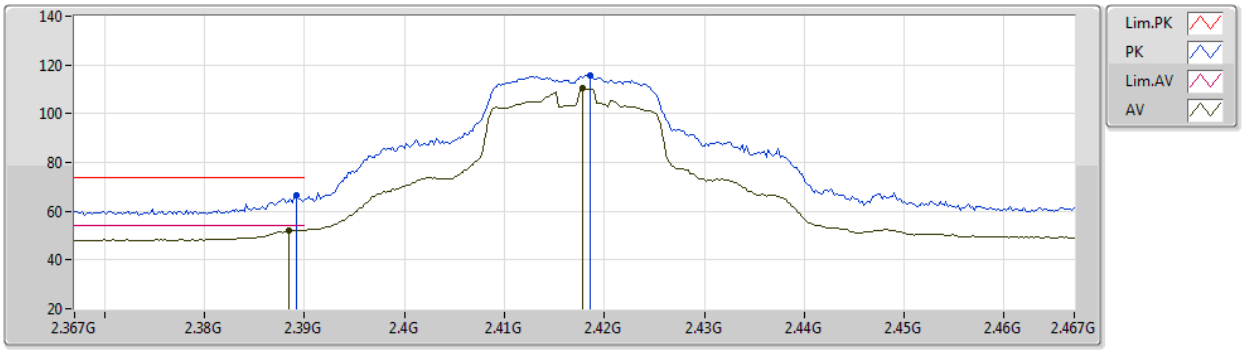
EUT Z_2TX
Setting 22
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82398G	48.55	74.00	-25.45	39.26	3	Horizontal	51	3.00	-	33.85	5.81	30.37
AV	4.82405G	39.74	54.00	-14.26	30.45	3	Horizontal	51	3.00	-	33.85	5.81	30.37

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

13/04/2020



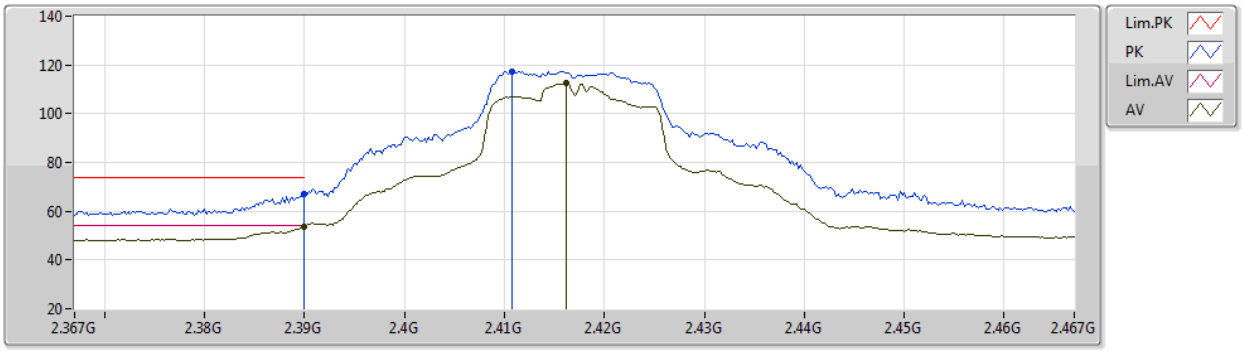
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	66.35	74.00	-7.65	33.28	3	Vertical	194	1.45	-	29.57	3.50	-
AV	2.3884G	52.26	54.00	-1.74	19.19	3	Vertical	194	1.45	-	29.57	3.50	-
PK	2.4186G	115.86	Inf	-Inf	82.63	3	Vertical	194	1.45	-	29.71	3.52	-
AV	2.4178G	110.38	Inf	-Inf	77.15	3	Vertical	194	1.45	-	29.71	3.52	-

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

13/04/2020



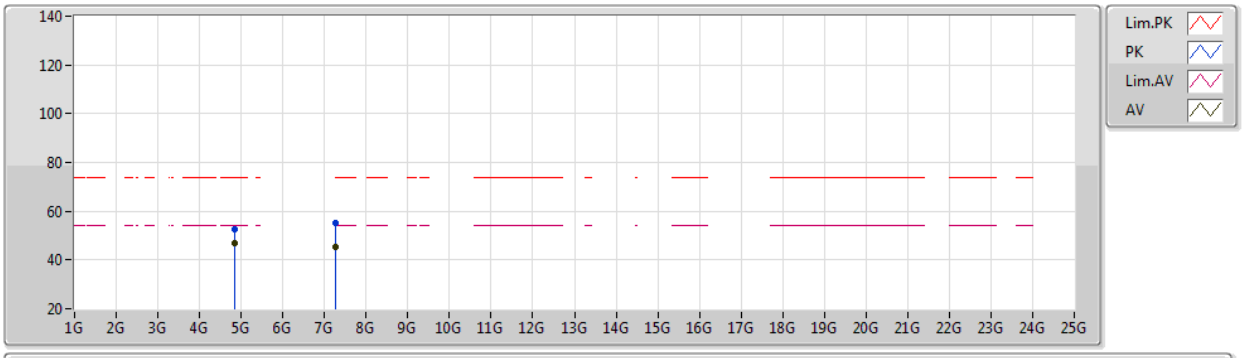
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	66.88	74.00	-7.12	33.81	3	Horizontal	144	1.09	-	29.57	3.50	-
AV	2.39G	53.81	54.00	-0.19	20.74	3	Horizontal	144	1.09	-	29.57	3.50	-
PK	2.4108G	117.41	Inf	-Inf	84.24	3	Horizontal	144	1.09	-	29.66	3.51	-
AV	2.4162G	112.60	Inf	-Inf	79.38	3	Horizontal	144	1.09	-	29.70	3.52	-

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

13/04/2020



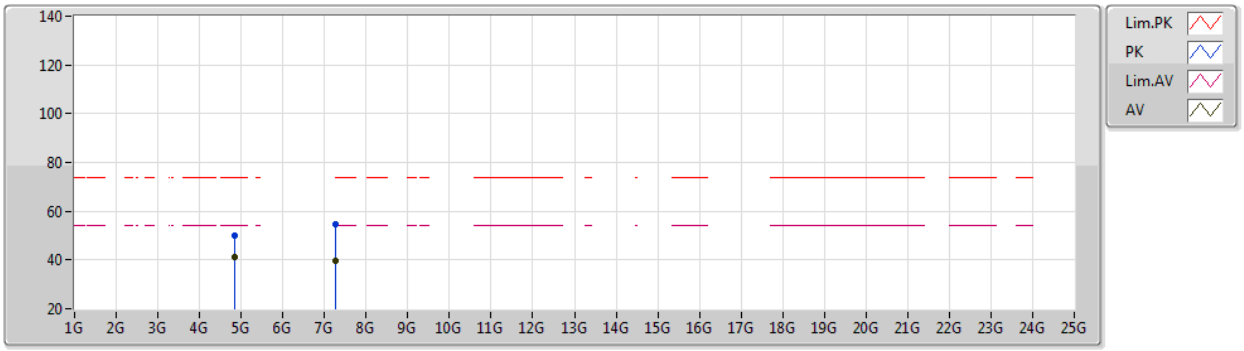
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83402G	52.58	74.00	-21.42	43.26	3	Vertical	111	1.80	-	33.87	5.82	30.37
AV	4.83399G	46.69	54.00	-7.31	37.37	3	Vertical	111	1.80	-	33.87	5.82	30.37
PK	7.2522G	55.32	74.00	-18.68	39.93	3	Vertical	226	1.01	-	39.66	7.09	31.36
AV	7.2502G	45.21	54.00	-8.79	29.83	3	Vertical	226	1.01	-	39.65	7.09	31.36

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

13/04/2020



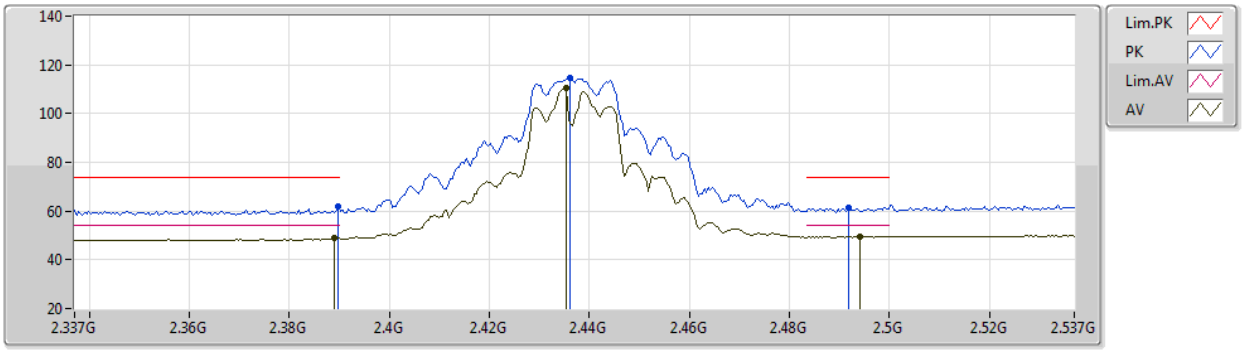
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83412G	49.81	74.00	-24.19	40.49	3	Horizontal	180	1.20	-	33.87	5.82	30.37
AV	4.83402G	41.12	54.00	-12.88	31.80	3	Horizontal	180	1.20	-	33.87	5.82	30.37
PK	7.25221G	54.90	74.00	-19.10	39.51	3	Horizontal	32	2.93	-	39.66	7.09	31.36
AV	7.25526G	39.86	54.00	-14.14	24.46	3	Horizontal	32	2.93	-	39.68	7.08	31.36

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/04/2020



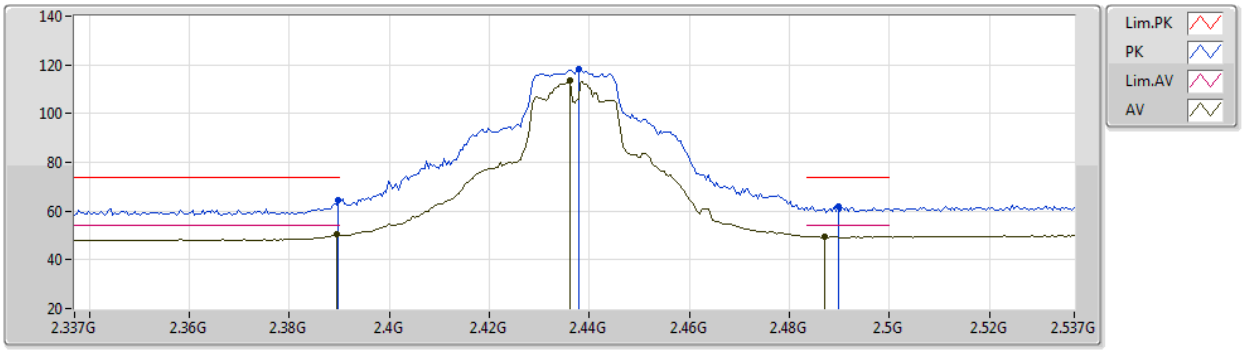
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	61.64	74.00	-12.36	28.57	3	Vertical	156	1.80	-	29.57	3.50	-
AV	2.389G	48.81	54.00	-5.19	15.74	3	Vertical	156	1.80	-	29.57	3.50	-
PK	2.4362G	114.83	Inf	-Inf	81.47	3	Vertical	156	1.80	-	29.82	3.54	-
AV	2.4354G	110.54	Inf	-Inf	77.19	3	Vertical	156	1.80	-	29.81	3.54	-
PK	2.4918G	61.42	74.00	-12.58	27.68	3	Vertical	156	1.80	-	30.15	3.59	-
AV	2.4942G	49.43	54.00	-4.57	15.67	3	Vertical	156	1.80	-	30.17	3.59	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/04/2020



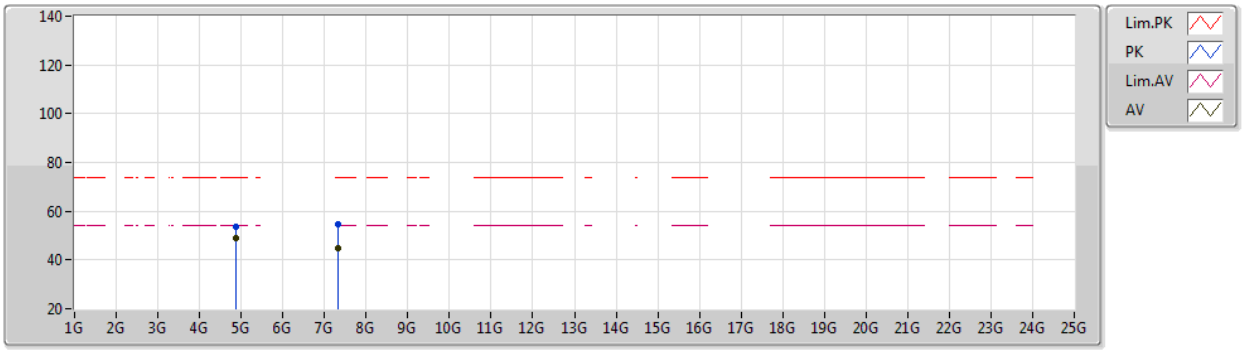
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	64.38	74.00	-9.62	31.31	3	Horizontal	137	1.69	-	29.57	3.50	-
AV	2.3894G	50.28	54.00	-3.72	17.21	3	Horizontal	137	1.69	-	29.57	3.50	-
PK	2.4378G	118.08	Inf	-Inf	84.71	3	Horizontal	137	1.69	-	29.83	3.54	-
AV	2.4362G	113.84	Inf	-Inf	80.48	3	Horizontal	137	1.69	-	29.82	3.54	-
PK	2.4898G	61.76	74.00	-12.24	28.03	3	Horizontal	137	1.69	-	30.14	3.59	-
AV	2.487G	49.51	54.00	-4.49	15.80	3	Horizontal	137	1.69	-	30.12	3.59	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/04/2020



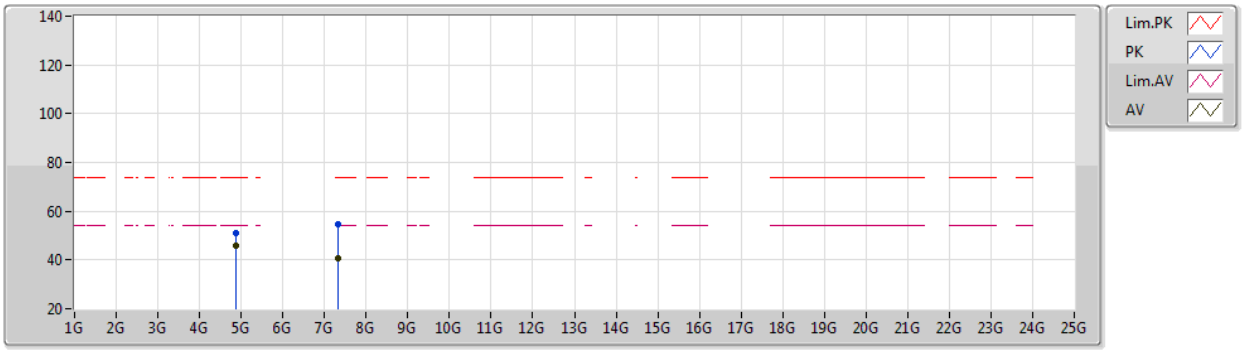
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87409G	53.51	74.00	-20.49	44.08	3	Vertical	113	2.45	-	33.95	5.84	30.36
AV	4.874G	48.71	54.00	-5.29	39.28	3	Vertical	113	2.45	-	33.95	5.84	30.36
PK	7.31034G	54.80	74.00	-19.20	39.32	3	Vertical	233	1.06	-	39.93	6.96	31.41
AV	7.3117G	45.04	54.00	-8.96	29.55	3	Vertical	233	1.06	-	39.94	6.96	31.41

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/04/2020



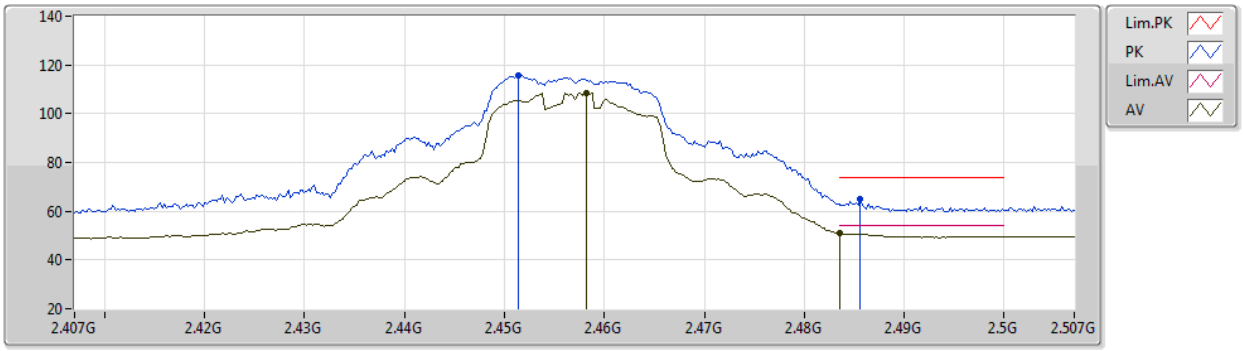
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87414G	51.02	74.00	-22.98	41.59	3	Horizontal	178	2.92	-	33.95	5.84	30.36
AV	4.874G	45.96	54.00	-8.04	36.53	3	Horizontal	178	2.92	-	33.95	5.84	30.36
PK	7.31578G	54.60	74.00	-19.40	39.11	3	Horizontal	150	1.80	-	39.95	6.95	31.41
AV	7.31112G	40.75	54.00	-13.25	25.27	3	Horizontal	150	1.80	-	39.93	6.96	31.41

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

13/04/2020



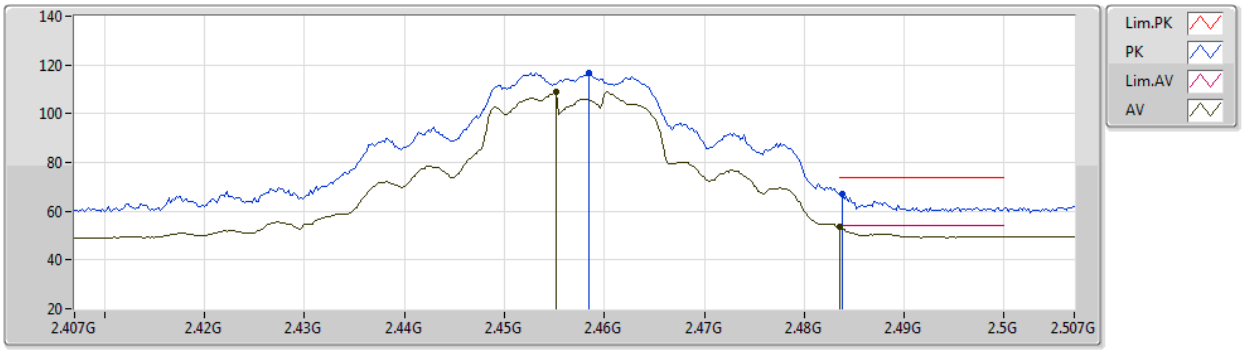
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4514G	115.66	Inf	-Inf	82.20	3	Vertical	186	1.79	-	29.91	3.55	-
AV	2.4582G	108.49	Inf	-Inf	74.98	3	Vertical	186	1.79	-	29.95	3.56	-
PK	2.4856G	64.89	74.00	-9.11	31.19	3	Vertical	186	1.79	-	30.11	3.59	-
AV	2.4835G	50.91	54.00	-3.09	17.23	3	Vertical	186	1.79	-	30.10	3.58	-

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

13/04/2020



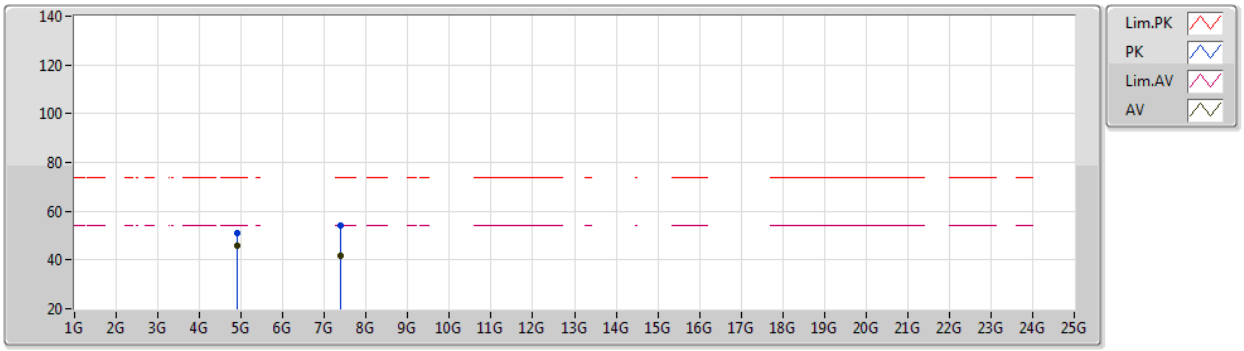
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4584G	116.87	Inf	-Inf	83.36	3	Horizontal	104	2.47	-	29.95	3.56	-
AV	2.4552G	109.15	Inf	-Inf	75.66	3	Horizontal	104	2.47	-	29.93	3.56	-
PK	2.4838G	67.14	74.00	-6.86	33.46	3	Horizontal	104	2.47	-	30.10	3.58	-
AV	2.4835G	53.43	54.00	-0.57	19.75	3	Horizontal	104	2.47	-	30.10	3.58	-

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

13/04/2020



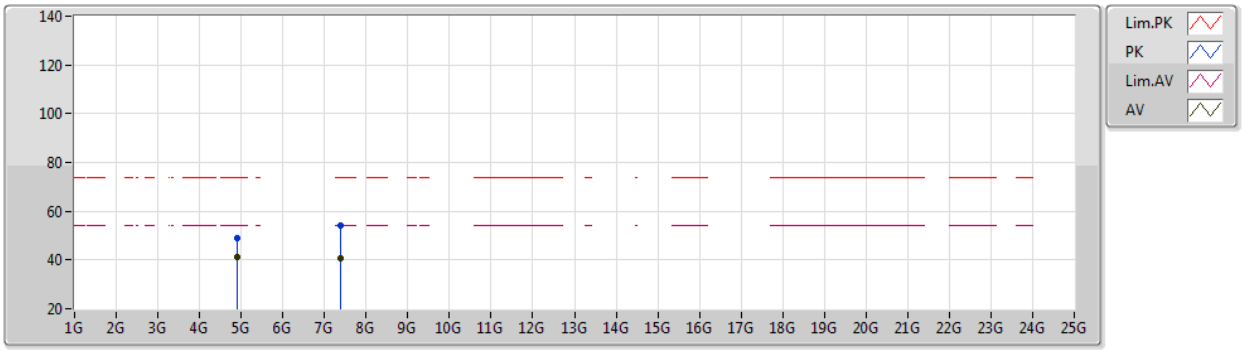
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91402G	51.17	74.00	-22.83	41.63	3	Vertical	161	1.74	-	34.03	5.86	30.35
AV	4.91393G	45.93	54.00	-8.07	36.39	3	Vertical	161	1.74	-	34.03	5.86	30.35
PK	7.37318G	54.22	74.00	-19.78	38.70	3	Vertical	231	1.03	-	40.12	6.85	31.45
AV	7.37264G	41.95	54.00	-12.05	26.43	3	Vertical	231	1.03	-	40.12	6.85	31.45

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

13/04/2020



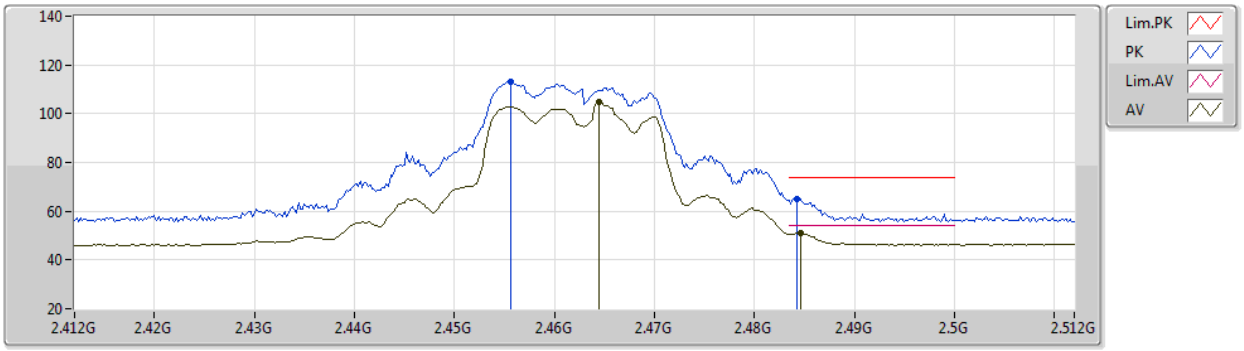
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91395G	48.77	74.00	-25.23	39.23	3	Horizontal	117	1.00	-	34.03	5.86	30.35
AV	4.91399G	41.02	54.00	-12.98	31.48	3	Horizontal	117	1.00	-	34.03	5.86	30.35
PK	7.37472G	54.35	74.00	-19.65	38.83	3	Horizontal	134	1.80	-	40.12	6.85	31.45
AV	7.37186G	40.68	54.00	-13.32	25.16	3	Horizontal	134	1.80	-	40.12	6.85	31.45

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/04/2020



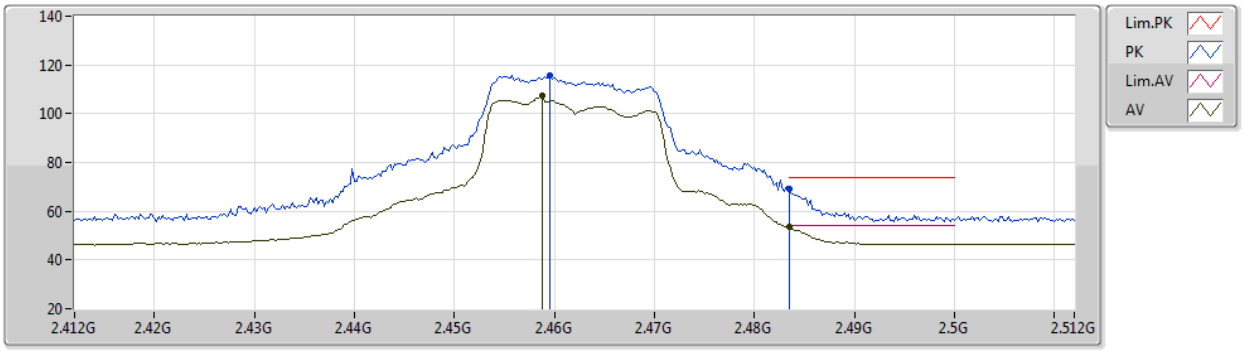
EUT Z_2TX
Setting 21
02-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4556G	113.22	Inf	-Inf	79.73	3	Vertical	184	2.42	-	29.93	3.56	-
AV	2.4644G	104.60	Inf	-Inf	71.05	3	Vertical	184	2.42	-	29.99	3.56	-
PK	2.4842G	64.92	74.00	-9.08	31.23	3	Vertical	184	2.42	-	30.11	3.58	-
AV	2.4846G	50.84	54.00	-3.16	17.15	3	Vertical	184	2.42	-	30.11	3.58	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/04/2020



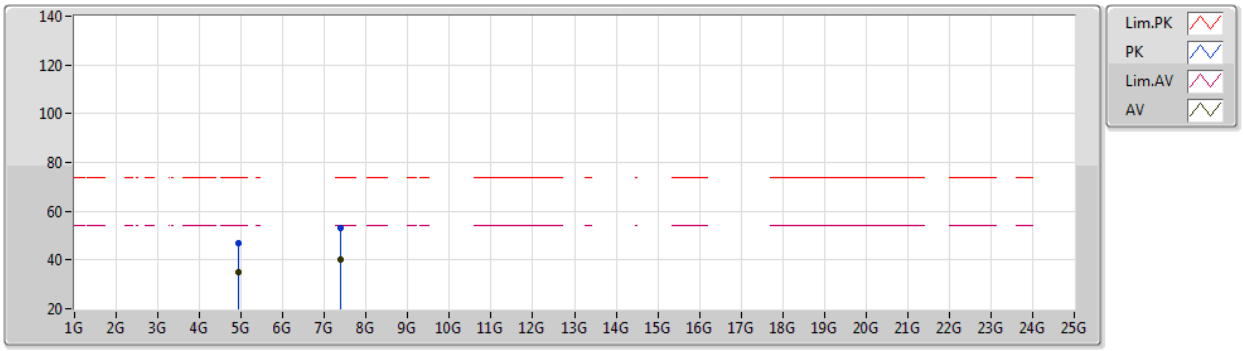
EUT Z_2TX
Setting 21
02-D-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4596G	115.90	Inf	-Inf	82.38	3	Horizontal	84	2.93	-	29.96	3.56	-
AV	2.4588G	107.37	Inf	-Inf	73.86	3	Horizontal	84	2.93	-	29.95	3.56	-
PK	2.4835G	68.92	74.00	-5.08	35.24	3	Horizontal	84	2.93	-	30.10	3.58	-
AV	2.4835G	53.52	54.00	-0.48	19.84	3	Horizontal	84	2.93	-	30.10	3.58	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/04/2020



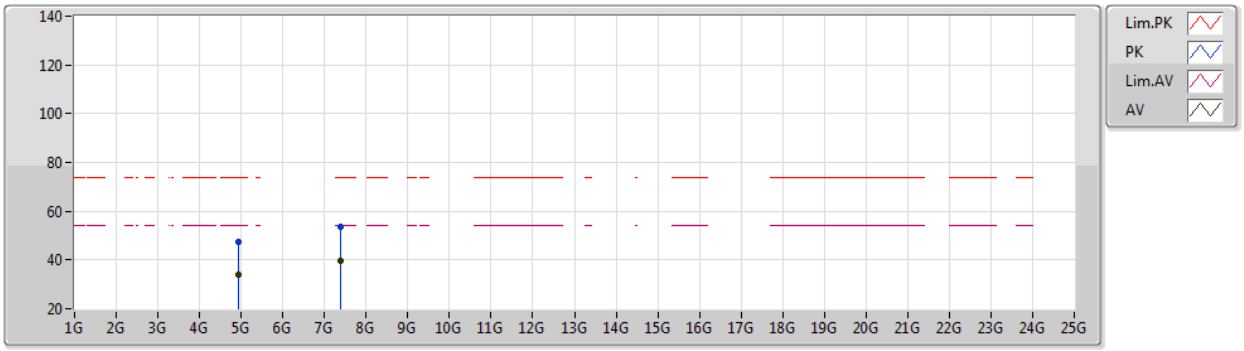
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92403G	47.13	74.00	-26.87	37.57	3	Vertical	112	1.80	-	34.05	5.86	30.35
AV	4.92416G	34.92	54.00	-19.08	25.36	3	Vertical	112	1.80	-	34.05	5.86	30.35
PK	7.38528G	53.15	74.00	-20.85	37.62	3	Vertical	301	2.08	-	40.16	6.83	31.46
AV	7.38653G	40.01	54.00	-13.99	24.49	3	Vertical	301	2.08	-	40.16	6.82	31.46

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/04/2020



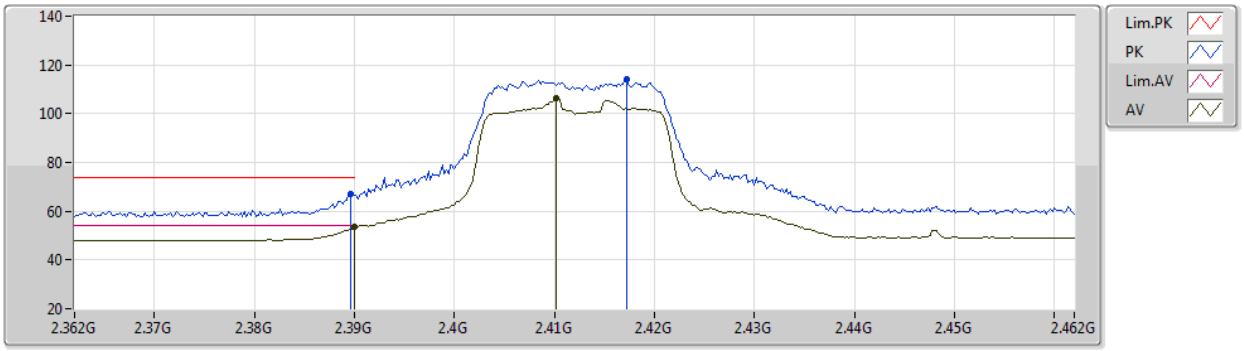
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92491G	47.25	74.00	-26.75	37.69	3	Horizontal	152	2.23	-	34.05	5.86	30.35
AV	4.92387G	34.14	54.00	-19.86	24.58	3	Horizontal	152	2.23	-	34.05	5.86	30.35
PK	7.38561G	53.47	74.00	-20.53	37.94	3	Horizontal	292	2.47	-	40.16	6.83	31.46
AV	7.38586G	39.89	54.00	-14.11	24.36	3	Horizontal	292	2.47	-	40.16	6.83	31.46

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

13/04/2020



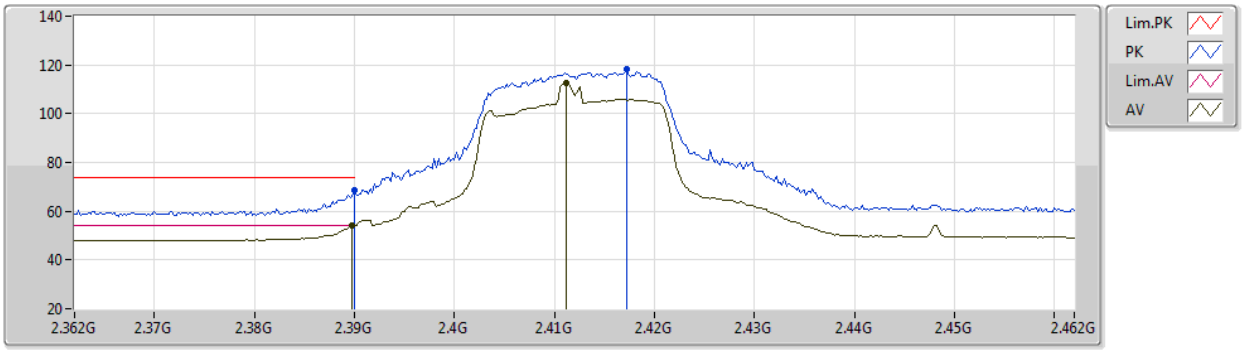
EUT Z_2TX
Setting 21.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	67.16	74.00	-6.84	34.09	3	Vertical	176	2.46	-	29.57	3.50	-
AV	2.39G	53.48	54.00	-0.52	20.41	3	Vertical	176	2.46	-	29.57	3.50	-
PK	2.4172G	113.98	Inf	-Inf	80.76	3	Vertical	176	2.46	-	29.70	3.52	-
AV	2.4102G	106.37	Inf	-Inf	73.20	3	Vertical	176	2.46	-	29.66	3.51	-

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

13/04/2020



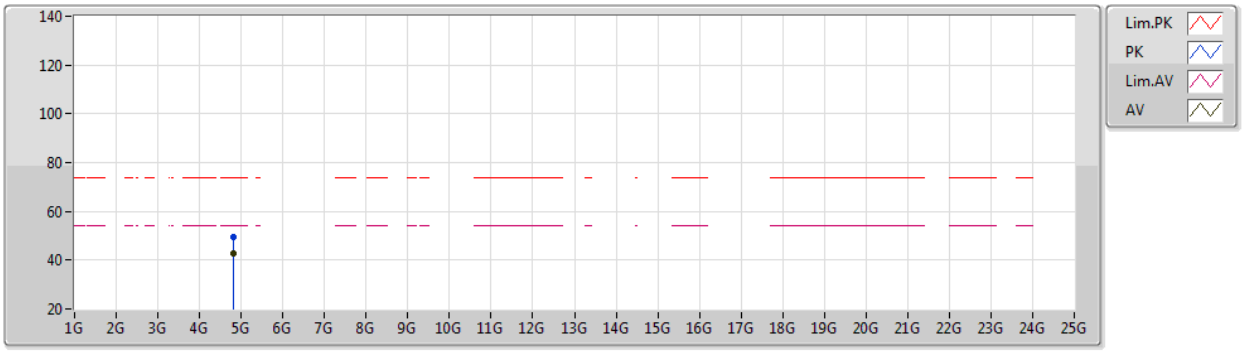
EUT Z_2TX
Setting 21.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	68.45	74.00	-5.55	35.38	3	Horizontal	133	1.90	-	29.57	3.50	-
AV	2.3898G	53.93	54.00	-0.07	20.86	3	Horizontal	133	1.90	-	29.57	3.50	-
PK	2.4172G	118.11	Inf	-Inf	84.89	3	Horizontal	133	1.90	-	29.70	3.52	-
AV	2.4112G	112.84	Inf	-Inf	79.66	3	Horizontal	133	1.90	-	29.67	3.51	-

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

13/04/2020



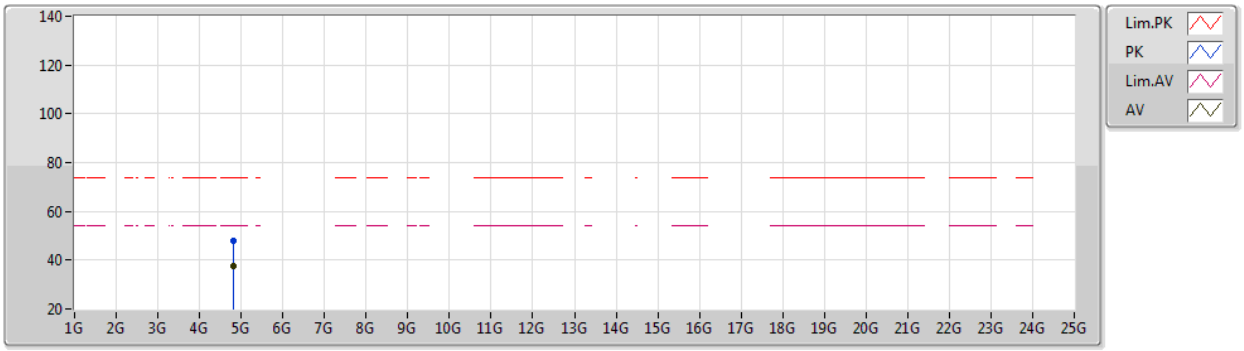
EUT Z_2TX
Setting 21.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82394G	49.58	74.00	-24.42	40.29	3	Vertical	72	2.73	-	33.85	5.81	30.37
AV	4.82409G	42.76	54.00	-11.24	33.47	3	Vertical	72	2.73	-	33.85	5.81	30.37

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

13/04/2020



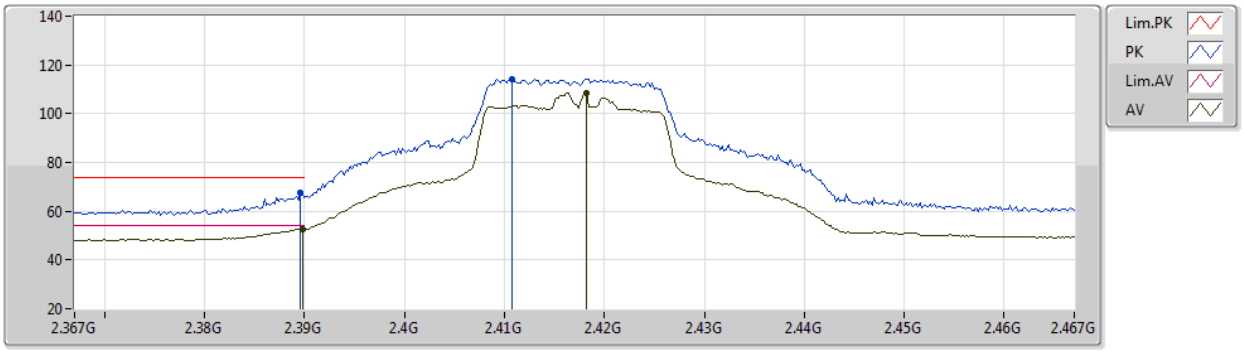
EUT Z_2TX
Setting 21.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8238G	47.77	74.00	-26.23	38.48	3	Horizontal	75	1.45	-	33.85	5.81	30.37
AV	4.82383G	37.49	54.00	-16.51	28.20	3	Horizontal	75	1.45	-	33.85	5.81	30.37

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

13/04/2020



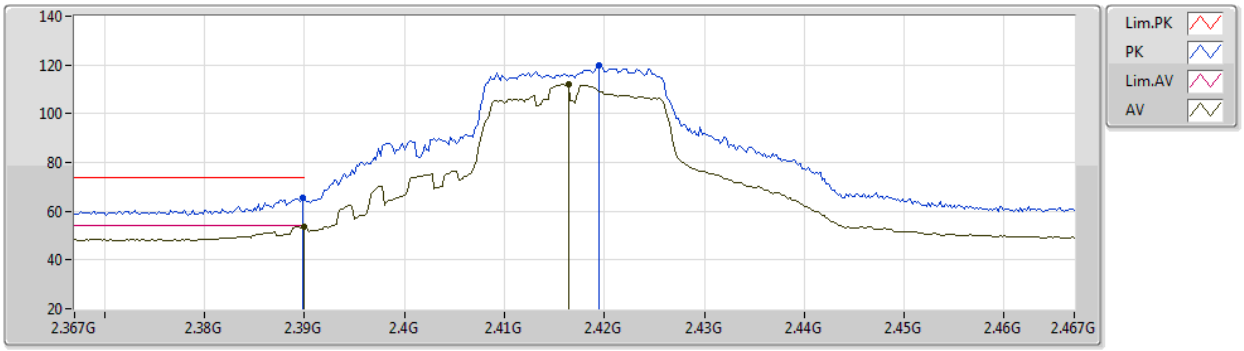
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	67.65	74.00	-6.35	34.58	3	Vertical	190	1.80	-	29.57	3.50	-
AV	2.3898G	52.68	54.00	-1.32	19.61	3	Vertical	190	1.80	-	29.57	3.50	-
PK	2.4108G	114.32	Inf	-Inf	81.15	3	Vertical	190	1.80	-	29.66	3.51	-
AV	2.4182G	108.51	Inf	-Inf	75.28	3	Vertical	190	1.80	-	29.71	3.52	-

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

13/04/2020



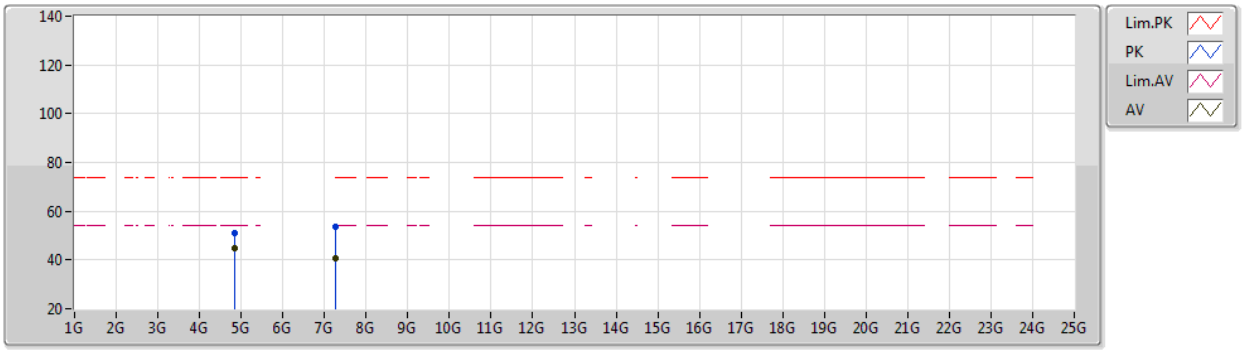
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.50	74.00	-8.50	32.43	3	Horizontal	135	1.88	-	29.57	3.50	-
AV	2.39G	53.54	54.00	-0.46	20.47	3	Horizontal	135	1.88	-	29.57	3.50	-
PK	2.4194G	119.64	Inf	-Inf	86.40	3	Horizontal	135	1.88	-	29.72	3.52	-
AV	2.4164G	112.17	Inf	-Inf	78.95	3	Horizontal	135	1.88	-	29.70	3.52	-

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

13/04/2020



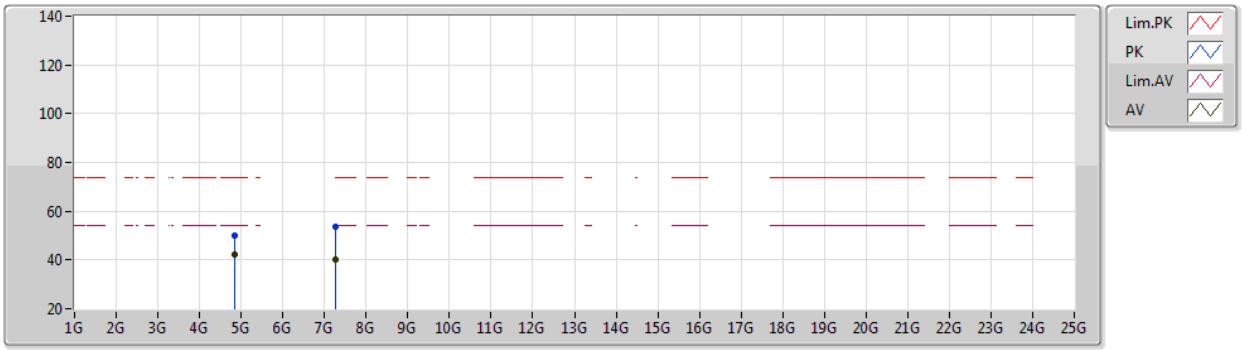
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.83406G	50.96	74.00	-23.04	41.64	3	Vertical	52	2.33	-	33.87	5.82	30.37
AV	4.834G	44.71	54.00	-9.29	35.39	3	Vertical	52	2.33	-	33.87	5.82	30.37
PK	7.25206G	53.61	74.00	-20.39	38.22	3	Vertical	222	1.02	-	39.66	7.09	31.36
AV	7.25225G	40.80	54.00	-13.20	25.41	3	Vertical	222	1.02	-	39.66	7.09	31.36

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

13/04/2020



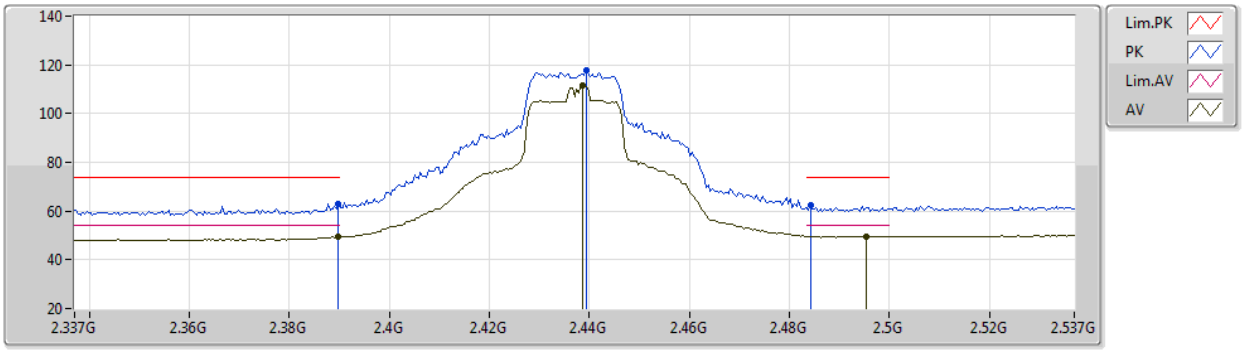
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8339G	50.14	74.00	-23.86	40.82	3	Horizontal	173	1.82	-	33.87	5.82	30.37
AV	4.834G	42.36	54.00	-11.64	33.04	3	Horizontal	173	1.82	-	33.87	5.82	30.37
PK	7.25026G	53.78	74.00	-20.22	38.40	3	Horizontal	204	2.90	-	39.65	7.09	31.36
AV	7.25115G	40.05	54.00	-13.95	24.66	3	Horizontal	204	2.90	-	39.66	7.09	31.36

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



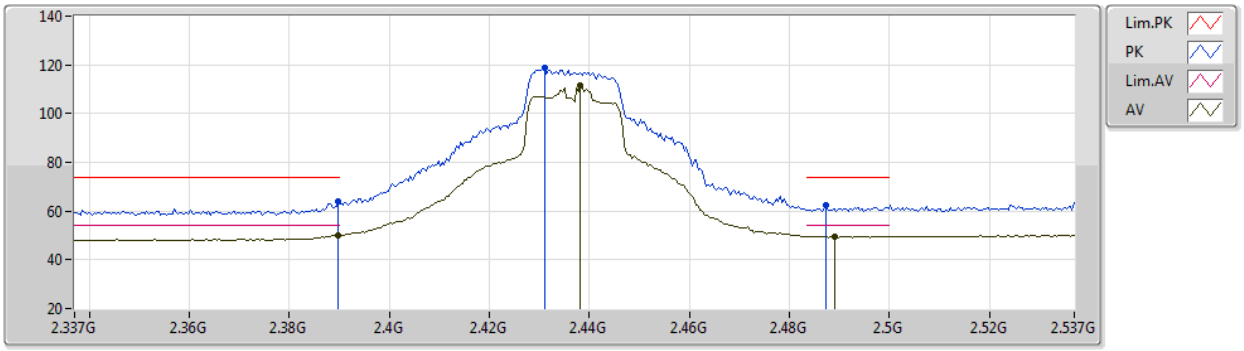
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.93	74.00	-11.07	29.86	3	Vertical	186	1.00	-	29.57	3.50	-
AV	2.3898G	49.32	54.00	-4.68	16.25	3	Vertical	186	1.00	-	29.57	3.50	-
PK	2.4394G	117.82	Inf	-Inf	84.44	3	Vertical	186	1.00	-	29.84	3.54	-
AV	2.4386G	111.54	Inf	-Inf	78.17	3	Vertical	186	1.00	-	29.83	3.54	-
PK	2.4842G	62.36	74.00	-11.64	28.67	3	Vertical	186	1.00	-	30.11	3.58	-
AV	2.4954G	49.67	54.00	-4.33	15.90	3	Vertical	186	1.00	-	30.17	3.60	-

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



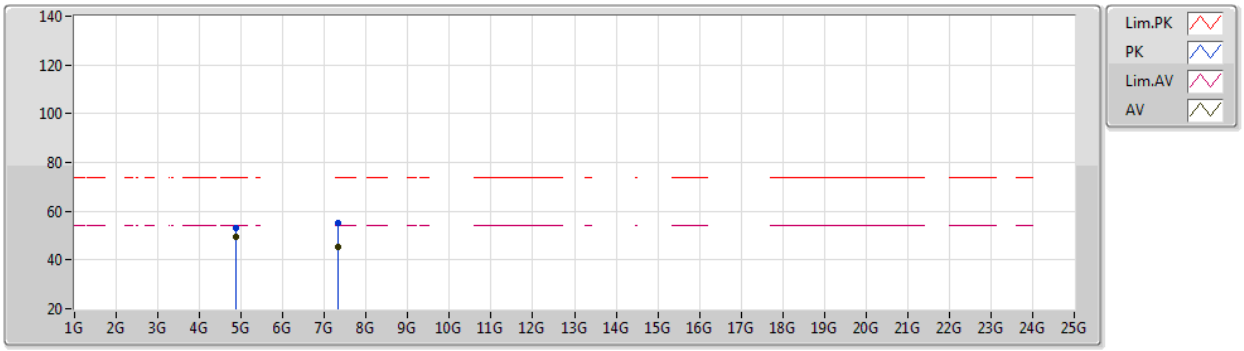
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.96	74.00	-10.04	30.89	3	Horizontal	139	1.80	-	29.57	3.50	-
AV	2.3898G	50.04	54.00	-3.96	16.97	3	Horizontal	139	1.80	-	29.57	3.50	-
PK	2.431G	118.75	Inf	-Inf	85.43	3	Horizontal	139	1.80	-	29.79	3.53	-
AV	2.4382G	111.47	Inf	-Inf	78.10	3	Horizontal	139	1.80	-	29.83	3.54	-
PK	2.4874G	62.40	74.00	-11.60	28.69	3	Horizontal	139	1.80	-	30.12	3.59	-
AV	2.489G	49.54	54.00	-4.46	15.82	3	Horizontal	139	1.80	-	30.13	3.59	-

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



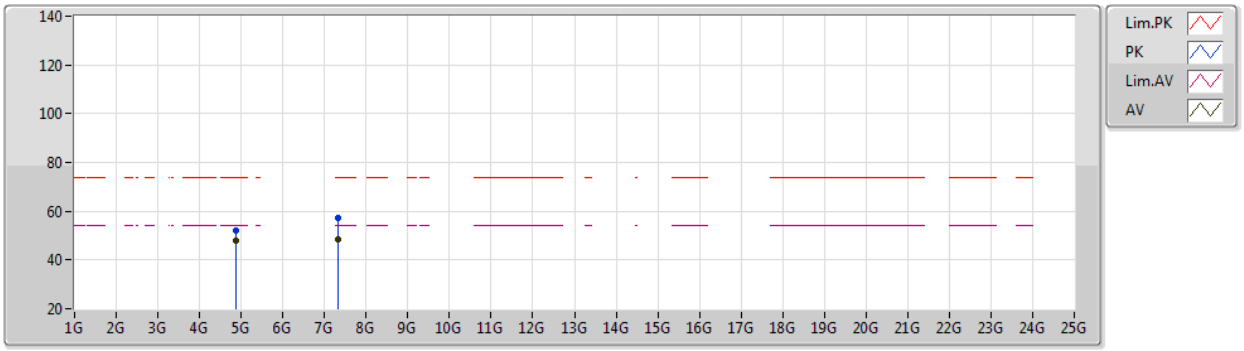
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87399G	53.22	74.00	-20.78	43.79	3	Vertical	317	1.01	-	33.95	5.84	30.36
AV	4.87395G	49.34	54.00	-4.66	39.91	3	Vertical	317	1.01	-	33.95	5.84	30.36
PK	7.31268G	55.07	74.00	-18.93	39.58	3	Vertical	288	1.95	-	39.94	6.96	31.41
AV	7.3127G	45.09	54.00	-8.91	29.60	3	Vertical	288	1.95	-	39.94	6.96	31.41

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



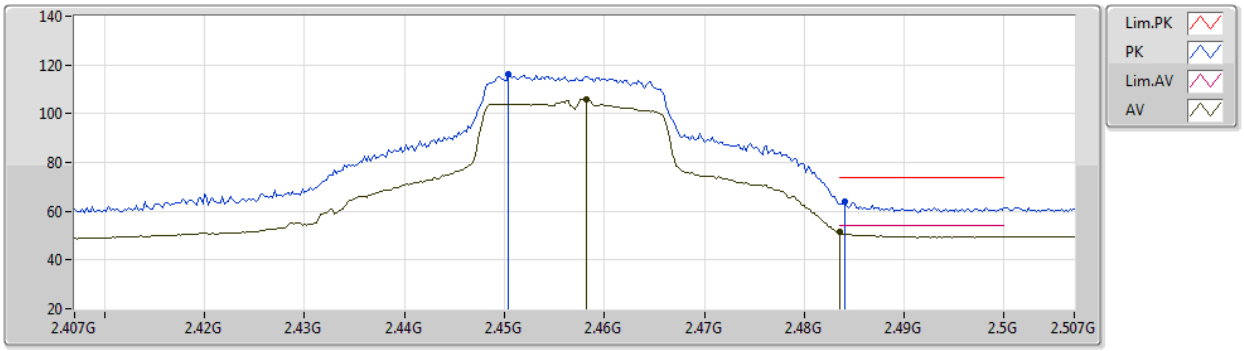
EUT Z_2TX
Setting 25.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87396G	52.25	74.00	-21.75	42.82	3	Horizontal	120	2.88	-	33.95	5.84	30.36
AV	4.87402G	47.97	54.00	-6.03	38.54	3	Horizontal	120	2.88	-	33.95	5.84	30.36
PK	7.31208G	57.23	74.00	-16.77	41.74	3	Horizontal	93	2.26	-	39.94	6.96	31.41
AV	7.3127G	48.36	54.00	-5.64	32.87	3	Horizontal	93	2.26	-	39.94	6.96	31.41

VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

13/04/2020



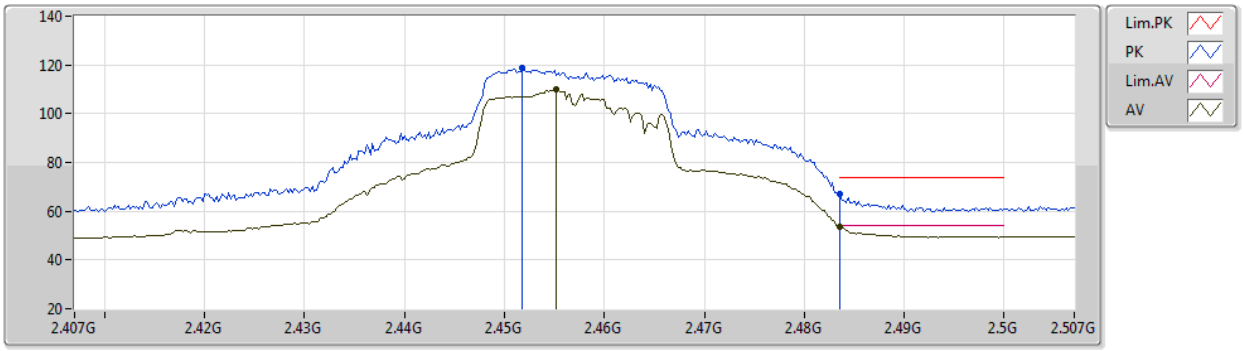
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4504G	116.01	Inf	-Inf	82.56	3	Vertical	172	2.38	-	29.90	3.55	-
AV	2.4582G	106.04	Inf	-Inf	72.53	3	Vertical	172	2.38	-	29.95	3.56	-
PK	2.484G	63.77	74.00	-10.23	30.09	3	Vertical	172	2.38	-	30.10	3.58	-
AV	2.4835G	51.33	54.00	-2.67	17.65	3	Vertical	172	2.38	-	30.10	3.58	-

VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

13/04/2020



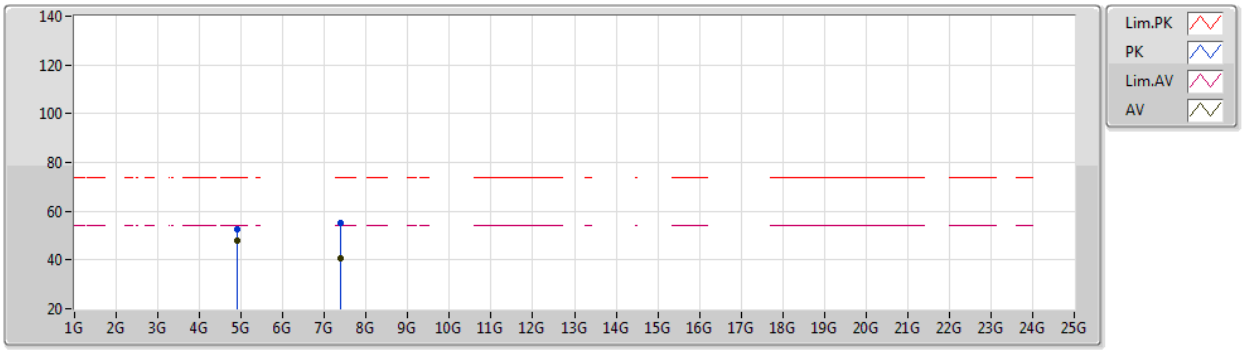
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4518G	118.65	Inf	-Inf	85.19	3	Horizontal	104	2.47	-	29.91	3.55	-
AV	2.4552G	110.01	Inf	-Inf	76.52	3	Horizontal	104	2.47	-	29.93	3.56	-
PK	2.4835G	67.06	74.00	-6.94	33.38	3	Horizontal	104	2.47	-	30.10	3.58	-
AV	2.4835G	53.78	54.00	-0.22	20.10	3	Horizontal	104	2.47	-	30.10	3.58	-

VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

13/04/2020



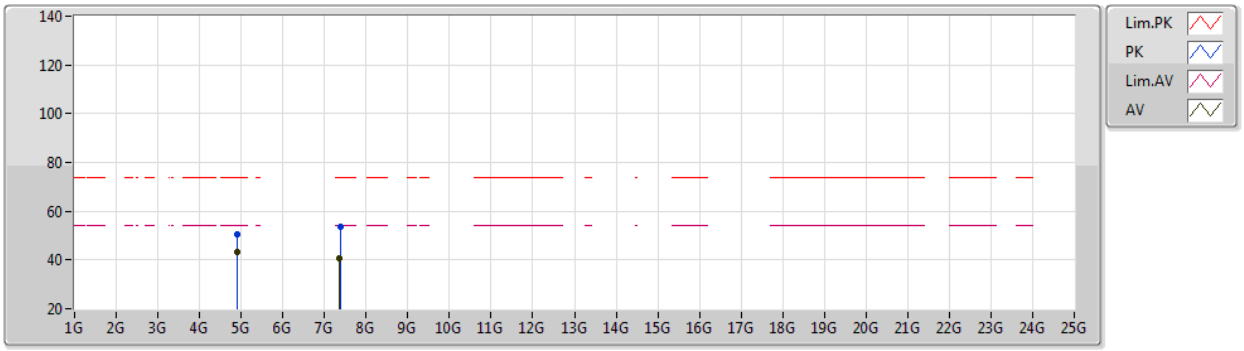
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91412G	52.66	74.00	-21.34	43.12	3	Vertical	121	1.97	-	34.03	5.86	30.35
AV	4.91397G	48.16	54.00	-5.84	38.62	3	Vertical	121	1.97	-	34.03	5.86	30.35
PK	7.3733G	54.95	74.00	-19.05	39.43	3	Vertical	220	2.69	-	40.12	6.85	31.45
AV	7.37272G	40.71	54.00	-13.29	25.19	3	Vertical	220	2.69	-	40.12	6.85	31.45

VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

13/04/2020



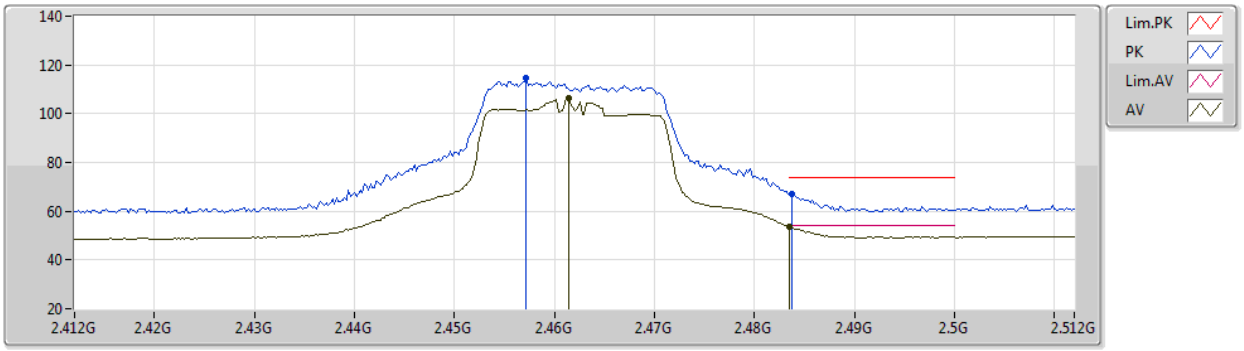
EUT Z_2TX
Setting 24.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.91403G	50.77	74.00	-23.23	41.23	3	Horizontal	129	1.41	-	34.03	5.86	30.35
AV	4.91396G	43.16	54.00	-10.84	33.62	3	Horizontal	129	1.41	-	34.03	5.86	30.35
PK	7.37076G	53.77	74.00	-20.23	38.26	3	Horizontal	284	1.52	-	40.11	6.85	31.45
AV	7.37006G	40.56	54.00	-13.44	25.05	3	Horizontal	284	1.52	-	40.11	6.85	31.45

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/04/2020



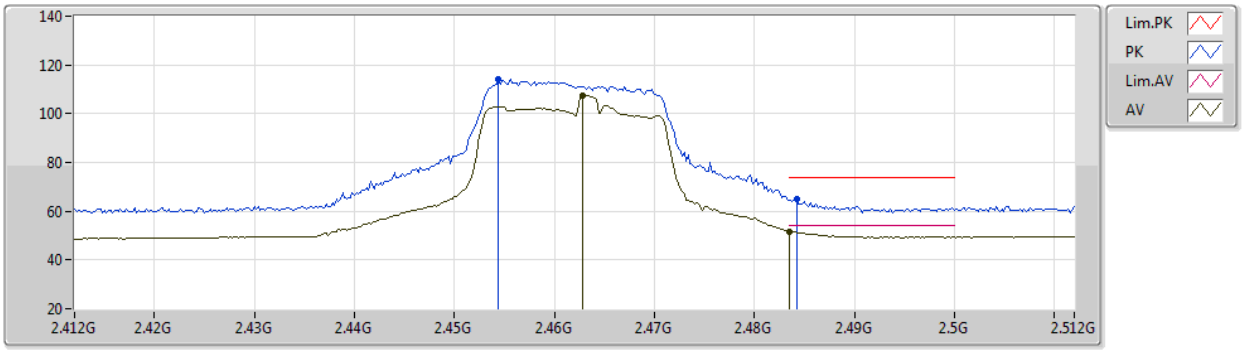
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4572G	114.48	Inf	-Inf	80.98	3	Vertical	138	1.43	-	29.94	3.56	-
AV	2.4614G	106.30	Inf	-Inf	72.77	3	Vertical	138	1.43	-	29.97	3.56	-
PK	2.4838G	67.27	74.00	-6.73	33.59	3	Vertical	138	1.43	-	30.10	3.58	-
AV	2.4835G	53.56	54.00	-0.44	19.88	3	Vertical	138	1.43	-	30.10	3.58	-

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/04/2020



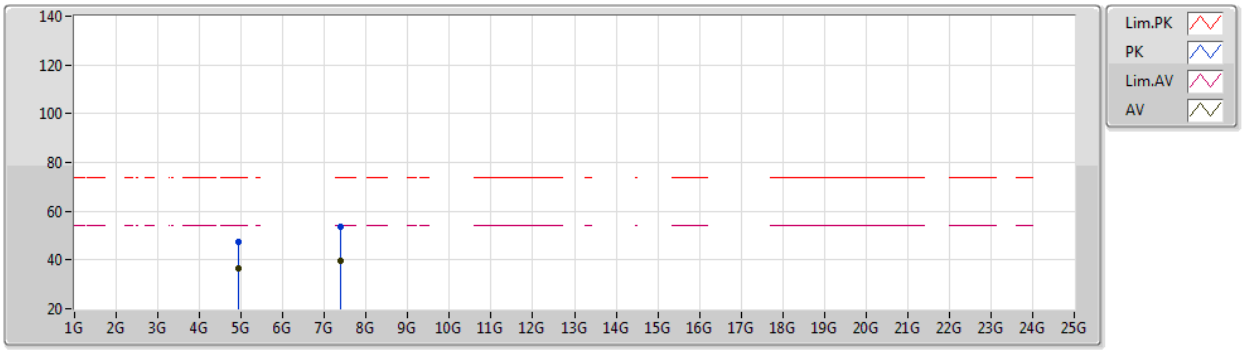
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4544G	114.38	Inf	-Inf	80.90	3	Horizontal	70	1.79	-	29.93	3.55	-
AV	2.4628G	107.63	Inf	-Inf	74.09	3	Horizontal	70	1.79	-	29.98	3.56	-
PK	2.4842G	64.98	74.00	-9.02	31.29	3	Horizontal	70	1.79	-	30.11	3.58	-
AV	2.4835G	51.77	54.00	-2.23	18.09	3	Horizontal	70	1.79	-	30.10	3.58	-

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/04/2020



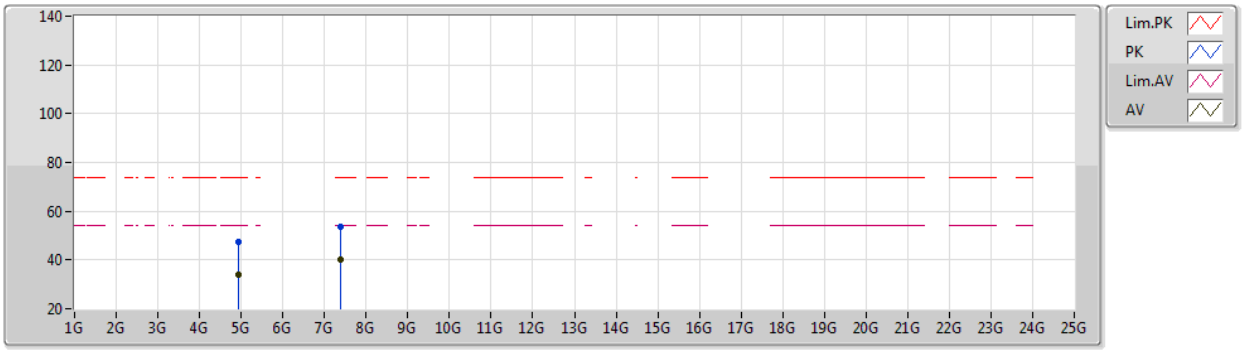
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92392G	47.32	74.00	-26.68	37.76	3	Vertical	310	1.08	-	34.05	5.86	30.35
AV	4.92396G	36.71	54.00	-17.29	27.15	3	Vertical	310	1.08	-	34.05	5.86	30.35
PK	7.38628G	53.74	74.00	-20.26	38.22	3	Vertical	149	1.77	-	40.16	6.82	31.46
AV	7.38516G	39.90	54.00	-14.10	24.37	3	Vertical	149	1.77	-	40.16	6.83	31.46

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/04/2020



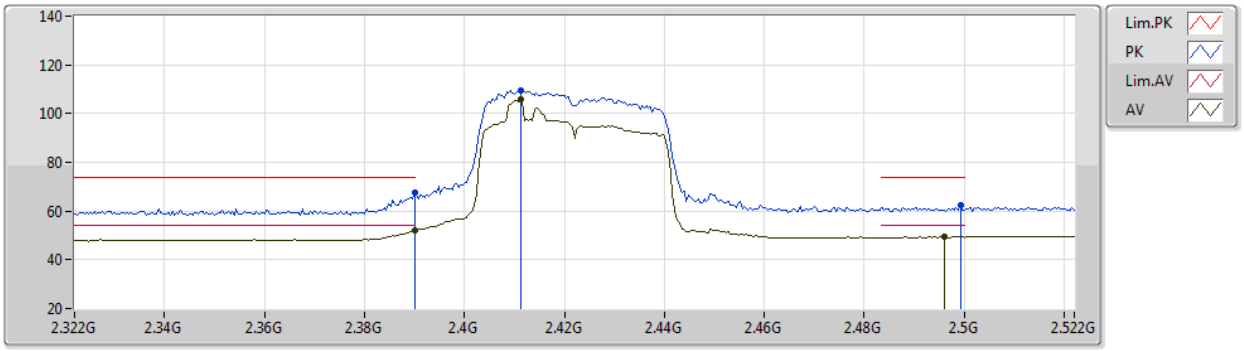
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92492G	47.55	74.00	-26.45	37.99	3	Horizontal	33	1.80	-	34.05	5.86	30.35
AV	4.92454G	33.94	54.00	-20.06	24.38	3	Horizontal	33	1.80	-	34.05	5.86	30.35
PK	7.38651G	53.41	74.00	-20.59	37.89	3	Horizontal	238	1.94	-	40.16	6.82	31.46
AV	7.38544G	39.98	54.00	-14.02	24.45	3	Horizontal	238	1.94	-	40.16	6.83	31.46

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/04/2020



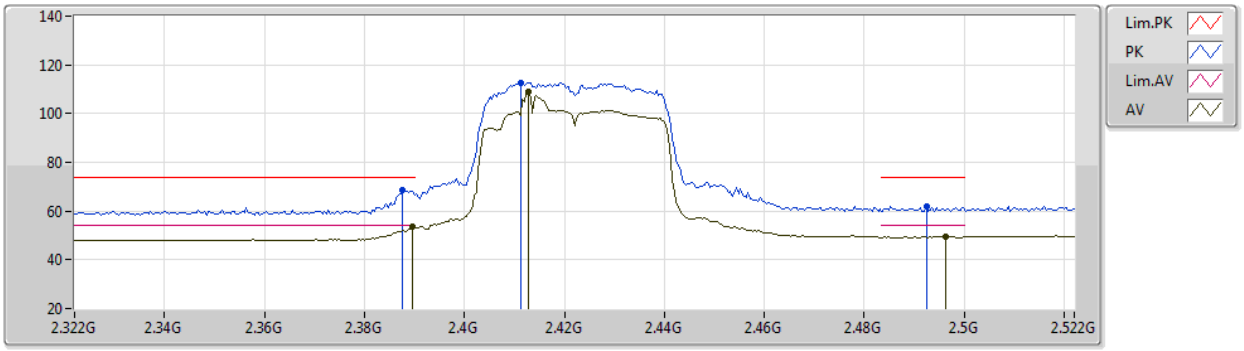
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	67.45	74.00	-6.55	34.38	3	Vertical	64	2.44	-	29.57	3.50	-
AV	2.39G	51.91	54.00	-2.09	18.84	3	Vertical	64	2.44	-	29.57	3.50	-
PK	2.4112G	109.47	Inf	-Inf	76.29	3	Vertical	64	2.44	-	29.67	3.51	-
AV	2.4112G	105.90	Inf	-Inf	72.72	3	Vertical	64	2.44	-	29.67	3.51	-
PK	2.4992G	62.46	74.00	-11.54	28.66	3	Vertical	64	2.44	-	30.20	3.60	-
AV	2.496G	49.40	54.00	-4.60	15.62	3	Vertical	64	2.44	-	30.18	3.60	-

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/04/2020



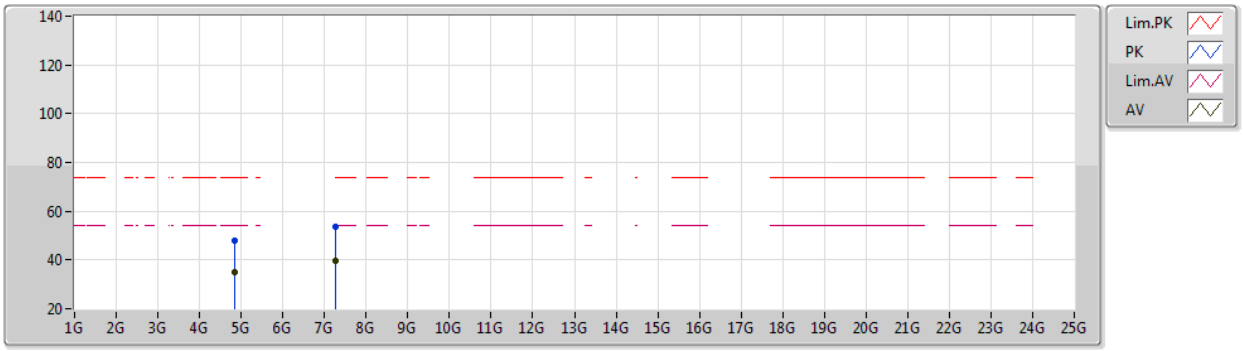
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3876G	68.78	74.00	-5.22	35.72	3	Horizontal	138	1.28	-	29.56	3.50	-
AV	2.3896G	53.80	54.00	-0.20	20.73	3	Horizontal	138	1.28	-	29.57	3.50	-
PK	2.4112G	112.77	Inf	-Inf	79.59	3	Horizontal	138	1.28	-	29.67	3.51	-
AV	2.4128G	108.87	Inf	-Inf	75.68	3	Horizontal	138	1.28	-	29.68	3.51	-
PK	2.4924G	61.89	74.00	-12.11	28.15	3	Horizontal	138	1.28	-	30.15	3.59	-
AV	2.4964G	49.43	54.00	-4.57	15.65	3	Horizontal	138	1.28	-	30.18	3.60	-

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/04/2020



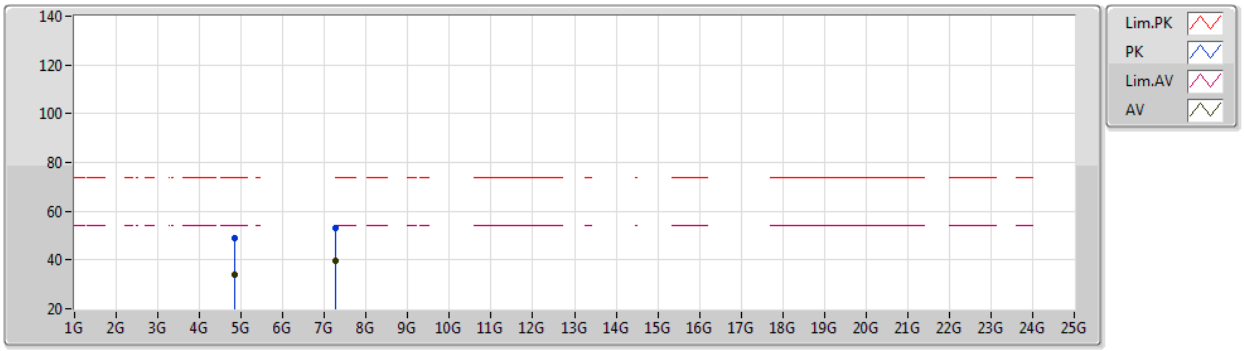
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84386G	47.75	74.00	-26.25	38.41	3	Vertical	0	1.88	-	33.89	5.82	30.37
AV	4.84401G	34.82	54.00	-19.18	25.48	3	Vertical	0	1.88	-	33.89	5.82	30.37
PK	7.26696G	53.67	74.00	-20.33	38.26	3	Vertical	324	2.93	-	39.73	7.05	31.37
AV	7.26612G	39.73	54.00	-14.27	24.32	3	Vertical	324	2.93	-	39.73	7.05	31.37

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/04/2020



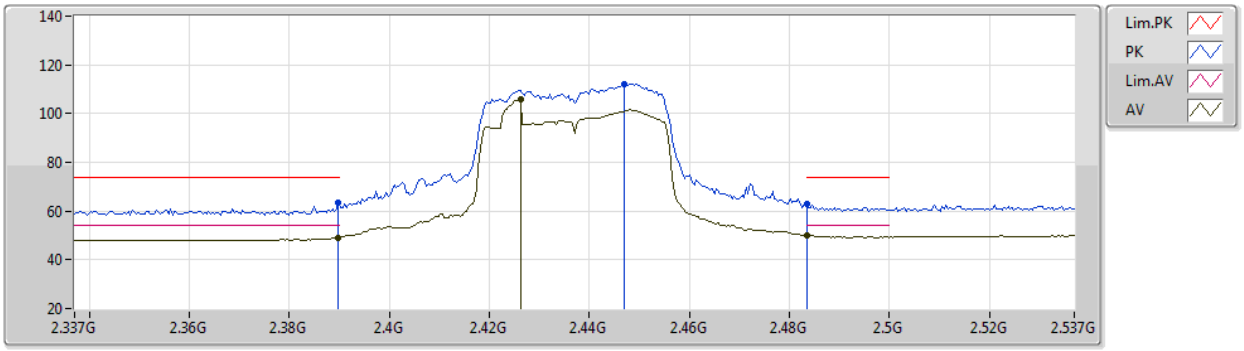
EUT Z_2TX
Setting 20.5
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84396G	48.99	74.00	-25.01	39.65	3	Horizontal	352	1.80	-	33.89	5.82	30.37
AV	4.84402G	34.09	54.00	-19.91	24.75	3	Horizontal	352	1.80	-	33.89	5.82	30.37
PK	7.26695G	53.15	74.00	-20.85	37.74	3	Horizontal	227	2.19	-	39.73	7.05	31.37
AV	7.26616G	39.83	54.00	-14.17	24.42	3	Horizontal	227	2.19	-	39.73	7.05	31.37

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



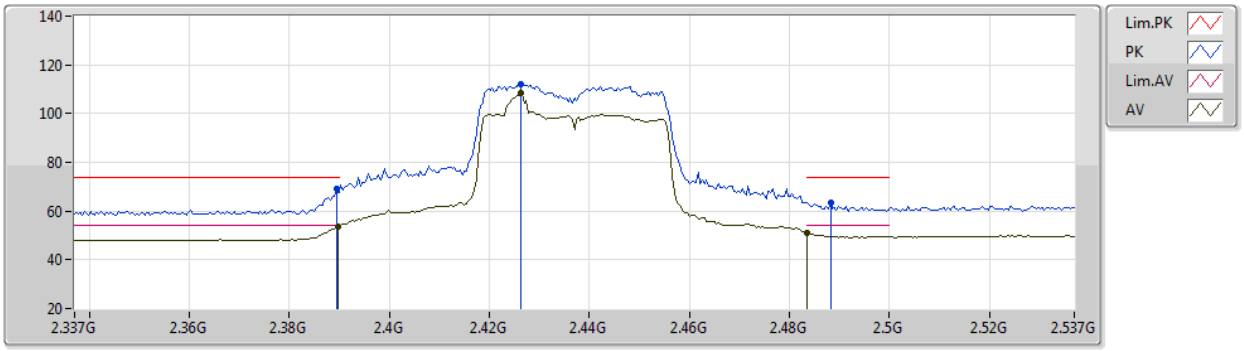
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.25	74.00	-10.75	30.18	3	Vertical	160	2.97	-	29.57	3.50	-
AV	2.3898G	49.14	54.00	-4.86	16.07	3	Vertical	160	2.97	-	29.57	3.50	-
PK	2.447G	112.26	Inf	-Inf	78.83	3	Vertical	160	2.97	-	29.88	3.55	-
AV	2.4262G	105.93	Inf	-Inf	72.64	3	Vertical	160	2.97	-	29.76	3.53	-
PK	2.4835G	63.04	74.00	-10.96	29.36	3	Vertical	160	2.97	-	30.10	3.58	-
AV	2.4835G	49.87	54.00	-4.13	16.19	3	Vertical	160	2.97	-	30.10	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



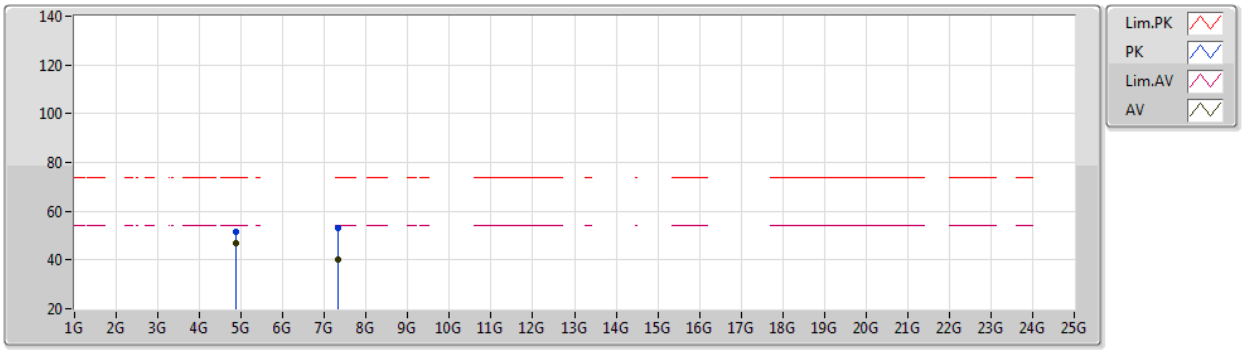
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	68.91	74.00	-5.09	35.84	3	Horizontal	123	1.80	-	29.57	3.50	-
AV	2.3898G	53.84	54.00	-0.16	20.77	3	Horizontal	123	1.80	-	29.57	3.50	-
PK	2.4262G	111.87	Inf	-Inf	78.58	3	Horizontal	123	1.80	-	29.76	3.53	-
AV	2.4262G	108.35	Inf	-Inf	75.06	3	Horizontal	123	1.80	-	29.76	3.53	-
PK	2.4882G	63.38	74.00	-10.62	29.66	3	Horizontal	123	1.80	-	30.13	3.59	-
AV	2.4835G	50.78	54.00	-3.22	17.10	3	Horizontal	123	1.80	-	30.10	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



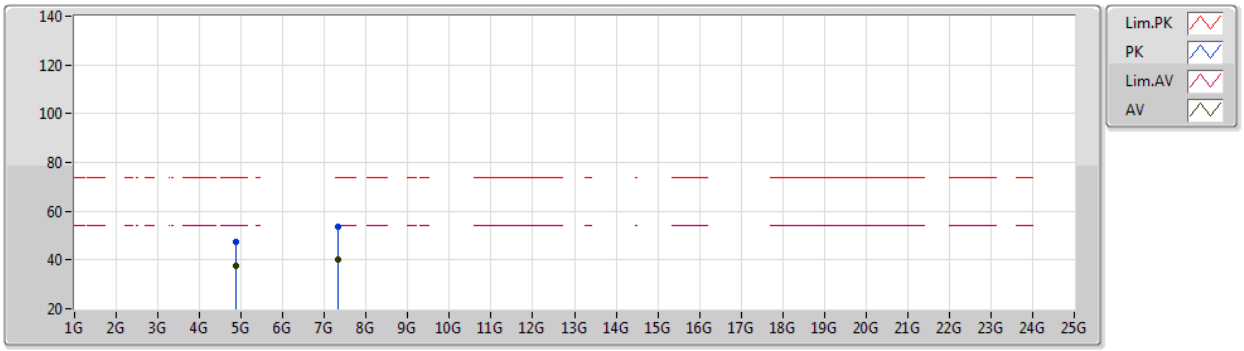
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87383G	51.67	74.00	-22.33	42.24	3	Vertical	129	1.06	-	33.95	5.84	30.36
AV	4.87402G	46.70	54.00	-7.30	37.27	3	Vertical	129	1.06	-	33.95	5.84	30.36
PK	7.31072G	53.33	74.00	-20.67	37.85	3	Vertical	333	2.88	-	39.93	6.96	31.41
AV	7.31036G	40.12	54.00	-13.88	24.64	3	Vertical	333	2.88	-	39.93	6.96	31.41

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/04/2020



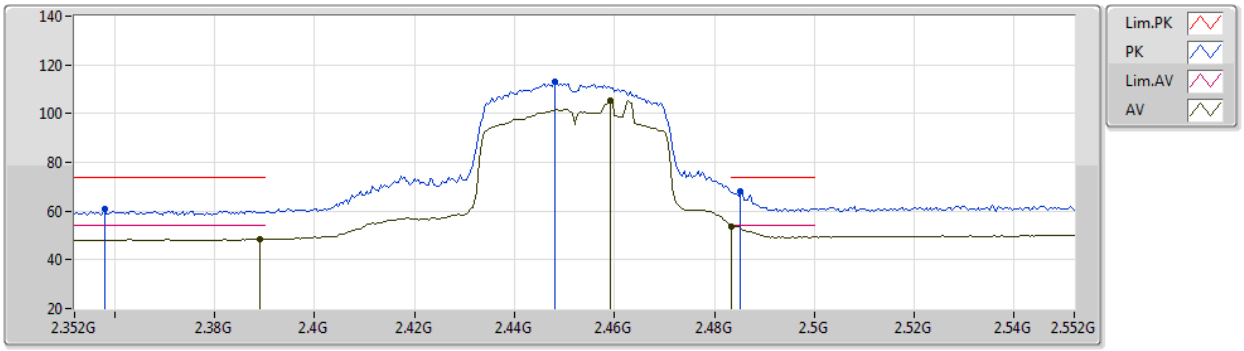
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87408G	47.59	74.00	-26.41	38.16	3	Horizontal	70	1.06	-	33.95	5.84	30.36
AV	4.8739G	37.67	54.00	-16.33	28.24	3	Horizontal	70	1.06	-	33.95	5.84	30.36
PK	7.3106G	53.39	74.00	-20.61	37.91	3	Horizontal	179	2.98	-	39.93	6.96	31.41
AV	7.31161G	40.13	54.00	-13.87	24.65	3	Horizontal	179	2.98	-	39.93	6.96	31.41

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

13/04/2020



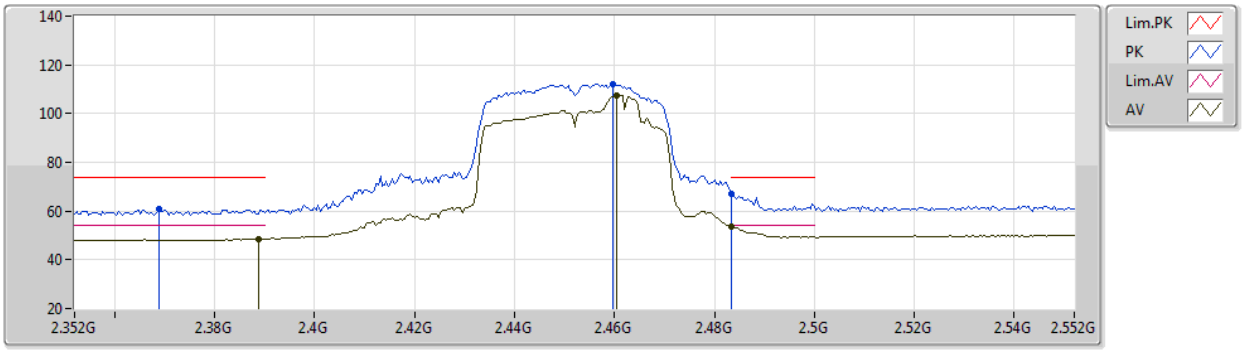
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.358G	61.10	74.00	-12.90	28.13	3	Vertical	163	2.34	-	29.47	3.50	-
AV	2.3892G	48.58	54.00	-5.42	15.51	3	Vertical	163	2.34	-	29.57	3.50	-
PK	2.448G	113.10	Inf	-Inf	79.66	3	Vertical	163	2.34	-	29.89	3.55	-
AV	2.4592G	105.29	Inf	-Inf	71.77	3	Vertical	163	2.34	-	29.96	3.56	-
PK	2.4852G	68.19	74.00	-5.81	34.49	3	Vertical	163	2.34	-	30.11	3.59	-
AV	2.4835G	53.78	54.00	-0.22	20.10	3	Vertical	163	2.34	-	30.10	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

13/04/2020



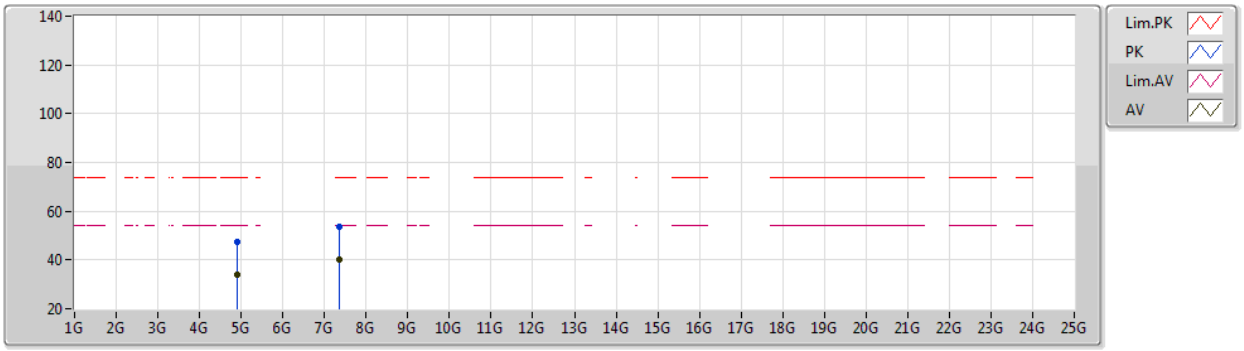
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3688G	60.79	74.00	-13.21	27.78	3	Horizontal	85	2.08	-	29.51	3.50	-
AV	2.3888G	48.57	54.00	-5.43	15.50	3	Horizontal	85	2.08	-	29.57	3.50	-
PK	2.4596G	112.31	Inf	-Inf	78.79	3	Horizontal	85	2.08	-	29.96	3.56	-
AV	2.4604G	107.66	Inf	-Inf	74.14	3	Horizontal	85	2.08	-	29.96	3.56	-
PK	2.4835G	67.16	74.00	-6.84	33.48	3	Horizontal	85	2.08	-	30.10	3.58	-
AV	2.4835G	53.61	54.00	-0.39	19.93	3	Horizontal	85	2.08	-	30.10	3.58	-

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

13/04/2020



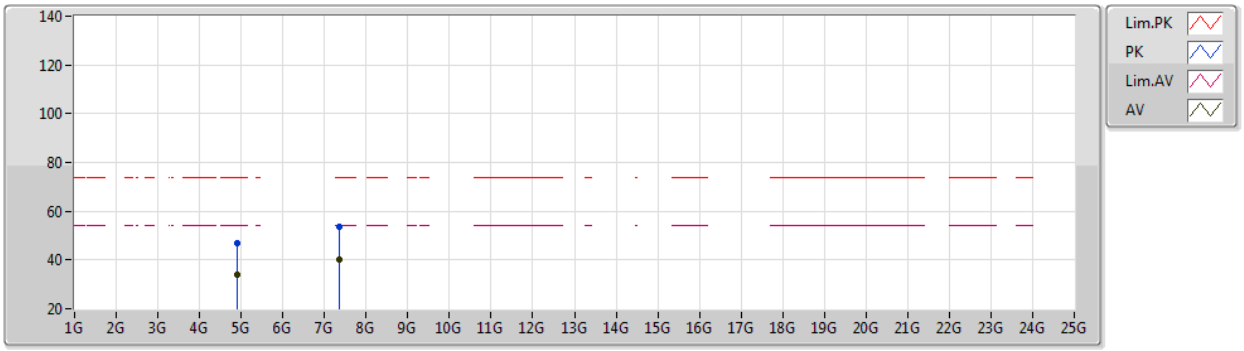
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90488G	47.53	74.00	-26.47	38.02	3	Vertical	135	1.80	-	34.01	5.85	30.35
AV	4.90451G	33.77	54.00	-20.23	24.26	3	Vertical	135	1.80	-	34.01	5.85	30.35
PK	7.3565G	53.84	74.00	-20.16	38.33	3	Vertical	309	2.14	-	40.07	6.88	31.44
AV	7.35582G	40.24	54.00	-13.76	24.73	3	Vertical	309	2.14	-	40.07	6.88	31.44

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

13/04/2020



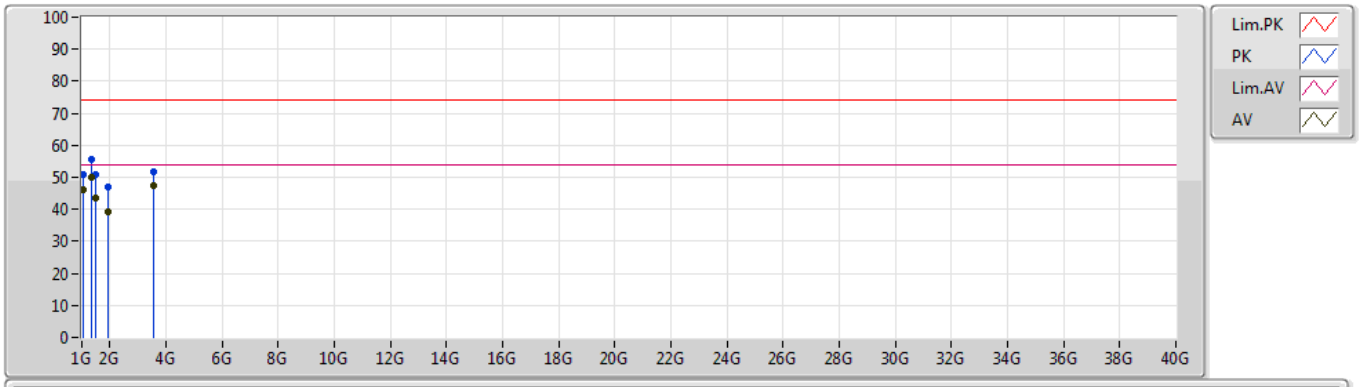
EUT Z_2TX
Setting 21
02-B-J-7

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90358G	46.81	74.00	-27.19	37.30	3	Horizontal	41	1.80	-	34.01	5.85	30.35
AV	4.90447G	33.74	54.00	-20.26	24.23	3	Horizontal	41	1.80	-	34.01	5.85	30.35
PK	7.35536G	53.48	74.00	-20.52	37.97	3	Horizontal	77	1.25	-	40.07	6.88	31.44
AV	7.35698G	40.18	54.00	-13.82	24.67	3	Horizontal	77	1.25	-	40.07	6.88	31.44

Summary

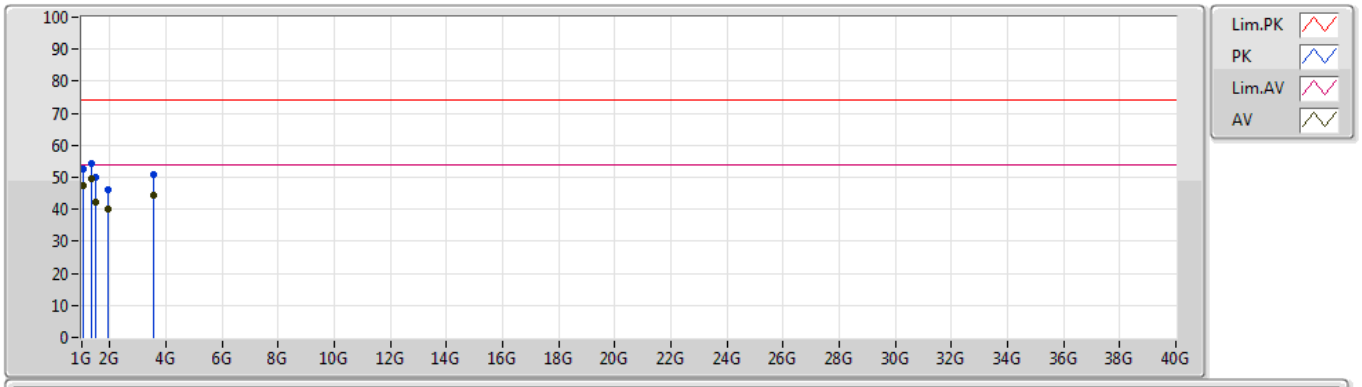
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.33521G	50.00	54.00	-4.00	Vertical

14/05/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.03881G	50.86	74.00	-23.14	-11.49	3	Vertical	213	1.50	-	62.35	23.68	2.25	37.42
AV	1.0384G	46.00	54.00	-8.00	-11.50	3	Vertical	213	1.50	-	57.50	23.68	2.25	37.43
PK	1.33518G	55.72	74.00	-18.28	-8.31	3	Vertical	185	1.42	-	64.03	25.28	2.55	36.14
AV	1.33521G	50.00	54.00	-4.00	-8.31	3	Vertical	185	1.42	"Worst"	58.31	25.28	2.55	36.14
PK	1.48352G	50.65	74.00	-23.35	-7.32	3	Vertical	152	1.00	-	57.97	25.60	2.68	35.60
AV	1.48357G	43.54	54.00	-10.46	-7.32	3	Vertical	152	1.00	-	50.86	25.60	2.68	35.60
PK	1.91991G	46.77	74.00	-27.23	-4.97	3	Vertical	127	1.57	-	51.74	27.00	3.08	35.05
AV	1.92017G	39.23	54.00	-14.77	-4.97	3	Vertical	127	1.57	-	44.20	27.00	3.08	35.05
PK	3.56057G	51.75	74.00	-22.25	0.72	3	Vertical	213	1.00	-	51.03	30.62	4.22	34.12
AV	3.56037G	47.23	54.00	-6.77	0.72	3	Vertical	213	1.00	-	46.51	30.62	4.22	34.12

14/05/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.03849G	52.63	74.00	-21.37	-11.50	3	Horizontal	52	1.28	-	64.13	23.68	2.25	37.43
AV	1.03849G	47.40	54.00	-6.60	-11.50	3	Horizontal	52	1.28	-	58.90	23.68	2.25	37.43
PK	1.33518G	54.17	74.00	-19.83	-8.31	3	Horizontal	59	1.24	-	62.48	25.28	2.55	36.14
AV	1.33521G	49.63	54.00	-4.37	-8.31	3	Horizontal	59	1.24	"Worst"	57.94	25.28	2.55	36.14
PK	1.4836G	49.96	74.00	-24.04	-7.32	3	Horizontal	240	1.00	-	57.28	25.60	2.68	35.60
AV	1.48349G	42.27	54.00	-11.73	-7.32	3	Horizontal	240	1.00	-	49.59	25.60	2.68	35.60
PK	1.92005G	45.94	74.00	-28.06	-4.97	3	Horizontal	141	1.00	-	50.91	27.00	3.08	35.05
AV	1.92015G	40.23	54.00	-13.77	-4.97	3	Horizontal	141	1.00	-	45.20	27.00	3.08	35.05
PK	3.56036G	50.83	74.00	-23.17	0.72	3	Horizontal	151	1.00	-	50.11	30.62	4.22	34.12
AV	3.56035G	44.54	54.00	-9.46	0.72	3	Horizontal	151	1.00	-	43.82	30.62	4.22	34.12