Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	:	Q87-03564
Equipment	:	Linksys Tri-Band Wireless-AC Router
Brand Name	:	Linksys
Model Name	:	MR8300 V1.1/ MR8250 V1.1
Applicant	:	Linksys LLC 121 Theory Drive Irvine, CA 92617, United States
Standard	:	47 CFR FCC Part 15.247

The product was received on Mar. 06, 2020, and testing was started from Mar. 06, 2020 and completed on Apr. 07, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: 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
FR710901-06AA	01	Initial issue of report	Jun. 15, 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: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), 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	2
2.4-2.4835GHz	802.11g	20	2
2.4-2.4835GHz	802.11g-BF	20	2
2.4-2.4835GHz	802.11n HT20	20	2
2.4-2.4835GHz	802.11n HT20-BF	20	2
2.4-2.4835GHz	VHT20	20	2
2.4-2.4835GHz	VHT20-BF	20	2
2.4-2.4835GHz	802.11n HT40	40	2
2.4-2.4835GHz	802.11n HT40-BF	40	2
2.4-2.4835GHz	VHT40	40	2
2.4-2.4835GHz	VHT40-BF	40	2

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

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	1	FIT	ANEP5M2-CCG05-EH	Dipole Antenna	I-PEX	Note1
2	2	FIT	ANEP5M2-CCG06-EH	Dipole Antenna	I-PEX	
3	1	FIT	ANEP5M2-CCG07-EH	Dipole Antenna	I-PEX	
4	2	FIT	ANEP5M2-CCG08-EH	Dipole Antenna	I-PEX	
5	1	PSA	RFMTA271200NNAB003	PIFA Antenna	N/A	

Note 1:

Ant.	Port	Gain (dBi)					
		WLAN 2.4GHz	WLAN 5GHz Band 1	WLAN 5GHz Band 2	WLAN 5GHz Band 3	WLAN 5GHz Band 4	Bluetooth
1	1	2.81	2.54	2.87	-	-	-
2	2	2.35	2.75	2.41	-	-	-
3	1	-	-	-	3.15	2.89	-
4	2	-	-	-	3.35	2.97	-
5	1	-	-	-	-	-	3.28

Note 2: The above information was declared by manufacturer.
Note 3:

For 2.4GHz function:

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

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

Ant. 1 (Port 1) and Ant. 2 (Port 2) could transmit/receive simultaneously.

For 5GHz function:

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

Band 1~Band 2

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

Ant. 1 (Port 1) and Ant. 2 (Port 2) could transmit/receive simultaneously.

Band 3~Band 4

Ant. 3 (Port 1) and Ant. 4 (Port 2) can be used as transmitting/receiving antenna.

Ant. 3 (Port 1) and Ant. 4 (Port 2) could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

Only Ant. 5 (Port 1) can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g-BF	0.964	0.16	2.085m	1k
VHT20-BF	0.976	0.11	1.759m	1k
VHT40-BF	0.915	0.39	1.693m	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 11g/11n/VHT in 2.4GHz and 11a/11n/11ac in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QCA Tool version 3.0.187.0			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	Software Versions	Equip Adapter	LED Design	Support Function	Description
MR8300 V1.1	WLAN: 2.0.0.200811 Bluetooth: OpenWrt Chaos Calmer 15.05.1 r35193 / LuCI branch (git-16.190.28508-c9d9415)	Adapter 1~3	Please refer to the photographs of EUT	Master (AP Router, Repeater, Bridge)	All models are identical; different models serve as marketing strategy.
MR8250 V1.1		Adapter 1~3	Same as above		

Note: From the above models, model: MR8300 V1.1 was selected as representative model for the test and it's data was recorded in this report.

Note: Only AP Router mode has been selected to test and recorded in the test report from manufacturer requirement.

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	TH02-CB	Jay Luo	20.9~22.3°C / 47~48%	Mar. 19, 2020 ~ Mar. 27, 2020
Radiated below 1GHz	03CH05-CB	Cola Fan	21.3~23.2°C / 46~49%	Mar. 13, 2020 ~ Apr. 07, 2020
Radiated above 1GHz	03CH06-CB	Cola Fan	21~22.2°C / 45~49%	Mar. 06, 2020 ~ Apr. 07, 2020
AC Conduction	CO01-CB	Peter Wu	23~24°C / 55~58%	Mar. 14, 2020

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

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23.5
2437MHz	25
2462MHz	24.5
802.11g-BF_Nss1,(6Mbps)_2TX	-
2412MHz	19
2417MHz	20.5
2437MHz	24.5
2457MHz	21.5
2462MHz	19
VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	20.5
2437MHz	25
2457MHz	21
2462MHz	19
VHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	17
2437MHz	19.5
2452MHz	18.5

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two modes of EUT for 802.11g/n/VHT in 2.4GHz and 11a/n/ac in 5GHz. One is beamforming mode, and the other is non-beamforming mode, 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 Router mode: EUT + Adapter 1
2	AP Router mode: EUT + Adapter 2 + US plug
3	AP Router mode: EUT + Adapter 3
For operating mode 3 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
WLAN 2.4GHz: The EUT was performed at Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration. WLAN 5GHz/Bluetooth: The EUT was performed at Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	WLAN 2.4GHz: EUT in Y axis + Adapter 1
2	WLAN 2.4GHz: EUT in Y axis + Adapter 2 + US plug
3	WLAN 2.4GHz: EUT in Y axis + Adapter 3
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~6 will follow this same test mode.	
4	WLAN 5GHz: EUT in Z axis + Adapter 1
5	Bluetooth BR+EDR: EUT in Z axis + Adapter 1
6	Bluetooth LE: EUT in Z axis + Adapter 1
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis

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 EUT was performed at Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis - WLAN 2.4GHz + WLAN 5GHz Band 1~2
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 1~2 + WLAN 5GHz Band 3~4 + Bluetooth
Refer to Sporton Test Report No.: FA710901-06 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 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 Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter 1 (Fixed plug)	Ktec	KSA-24W-120200HU	Input: 100-240V, 50/60Hz, 0.6A Output: 12V, 2.0A
Adapter 2 (Interchangeable plug)	Ktec	KSA-24W-120200D5	Input: 100-240V, 50/60Hz, 0.6A Output: 12V, 2.0A
Adapter 3 (Fixed plug)	APD	WB-24J12FU	Input: 100-240V, 50-60Hz, 0.7A Max. Output: 12V, 2A
Others			
US plug*1 (for adapter 2 use only)			
RJ-45 cable*1, Non-shielded, 0.9m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN1 NB	DELL	E6430	N/A
B	WAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G-1 NB	Apple	A1278	N/A
E	5G-2 NB	DELL	E6430	N/A
F	Smart phone	Samsung	Galaxy J2	N/A
G	Flash disk3.0	Transcend	JetFlash-700	N/A

For Radiated (below 1GHz) and Radiated (above 1GHz) / Non-beamforming mode:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	M4800	N/A

For Radiated (above 1GHz) / Beamforming mode:

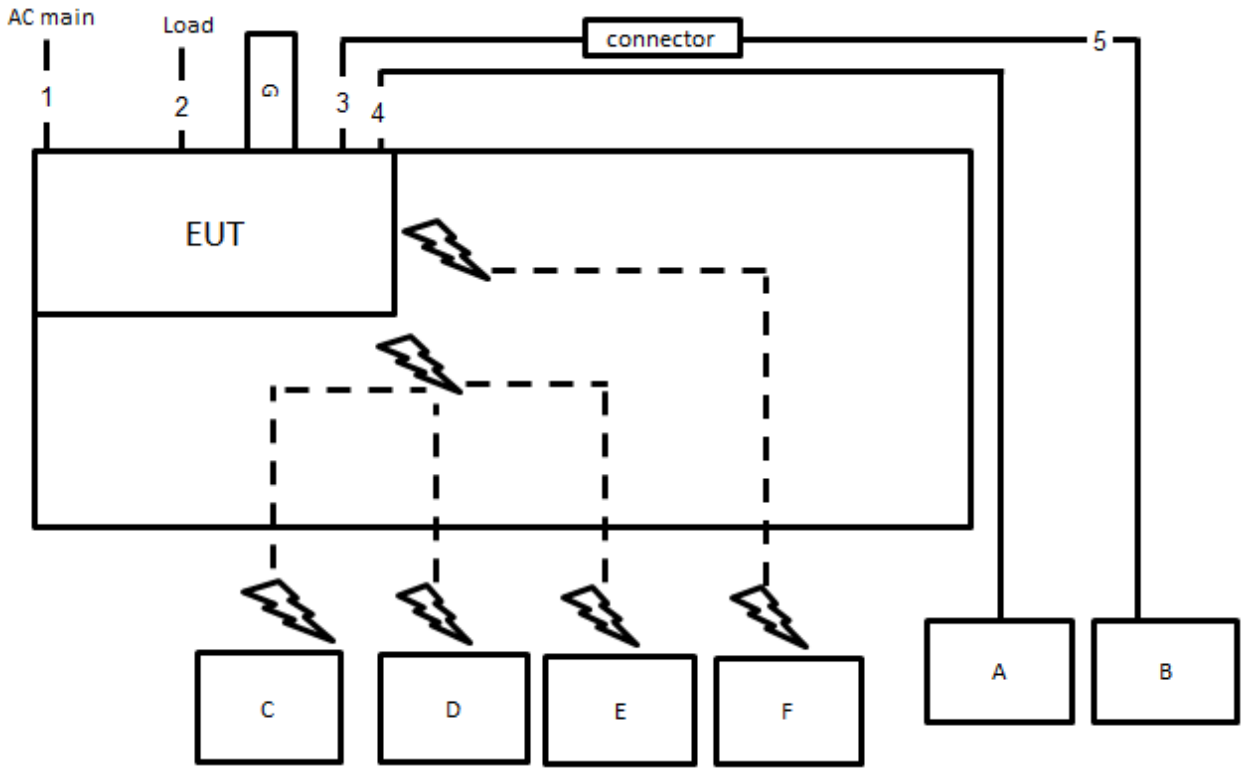
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	M4800	N/A
B	Linksys Tri-Band Wireless-AC Router (RX Device)	Linksys	MR8300 V2	N/A
C	NB	DELL	E4300	N/A

For RF Conducted:

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

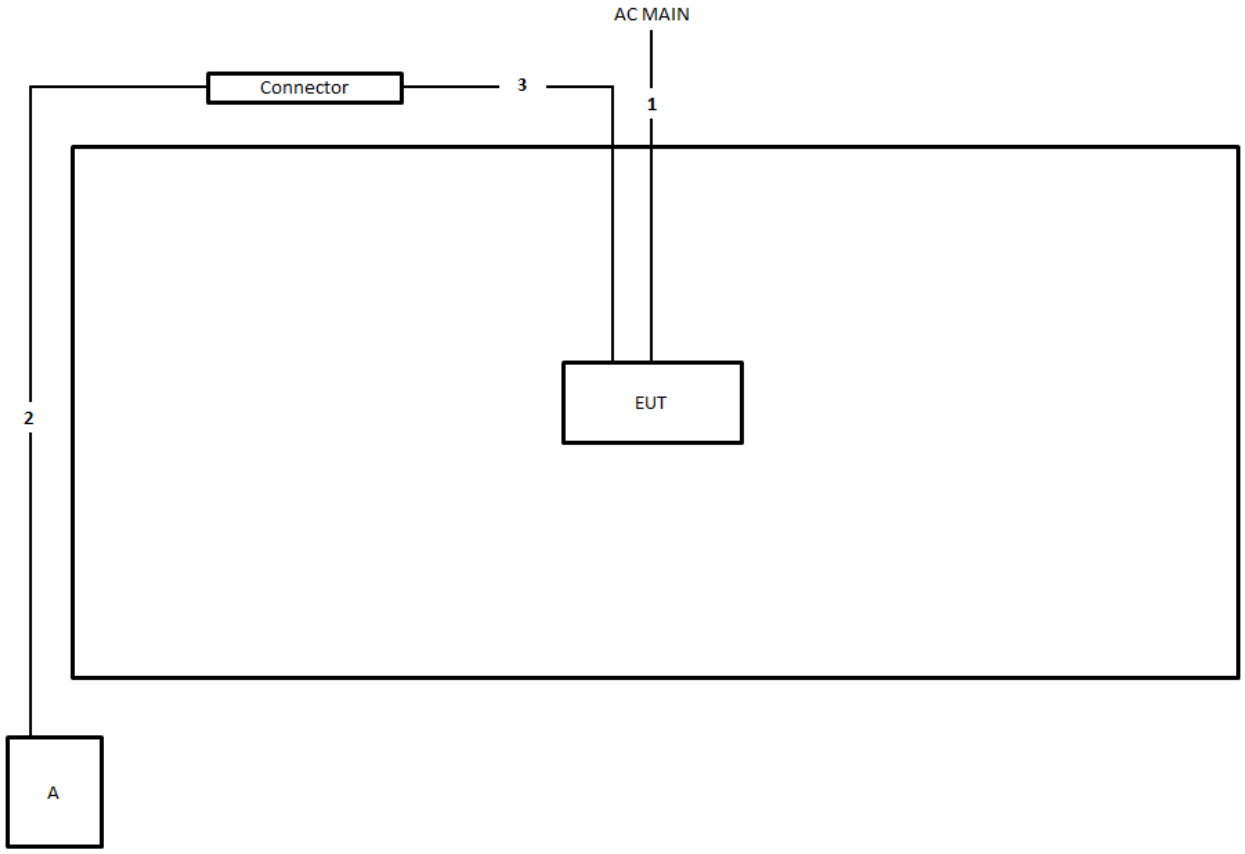
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



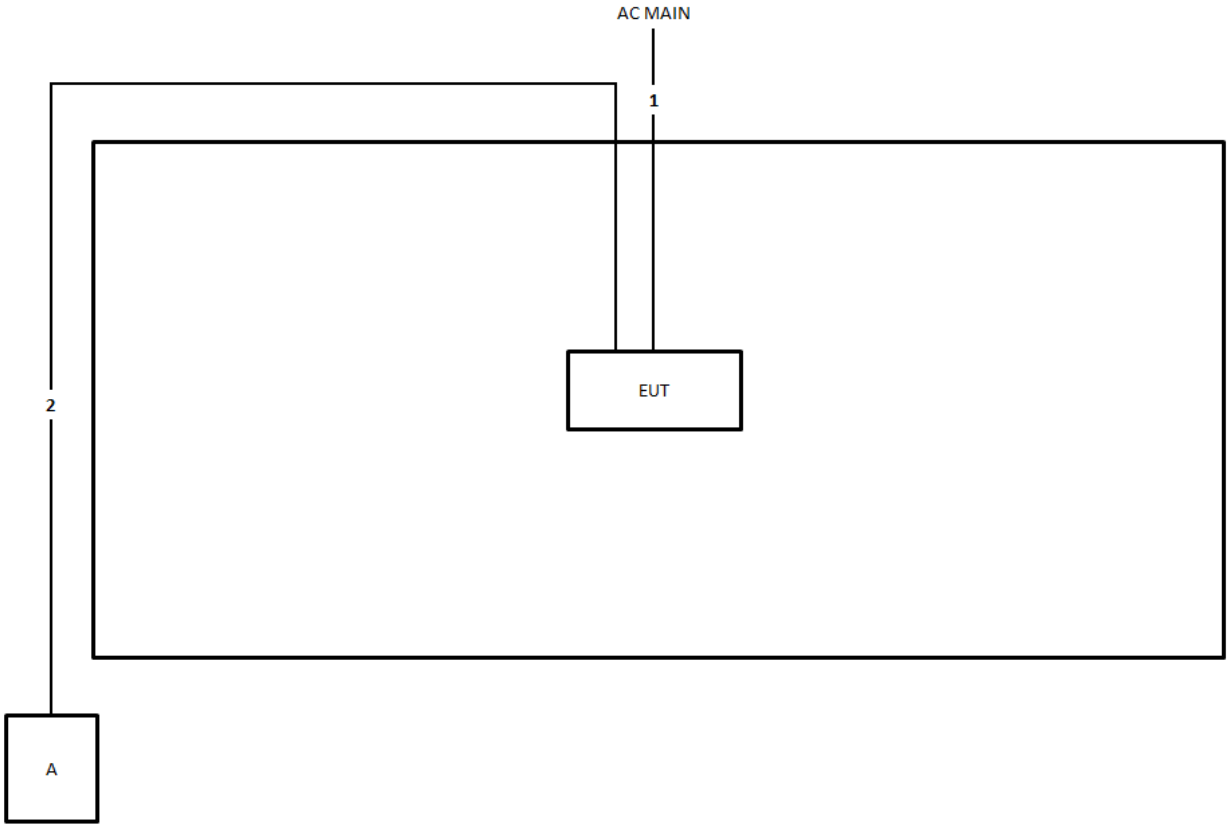
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable*3	No	1.5m
3	RJ-45 cable	No	0.9m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



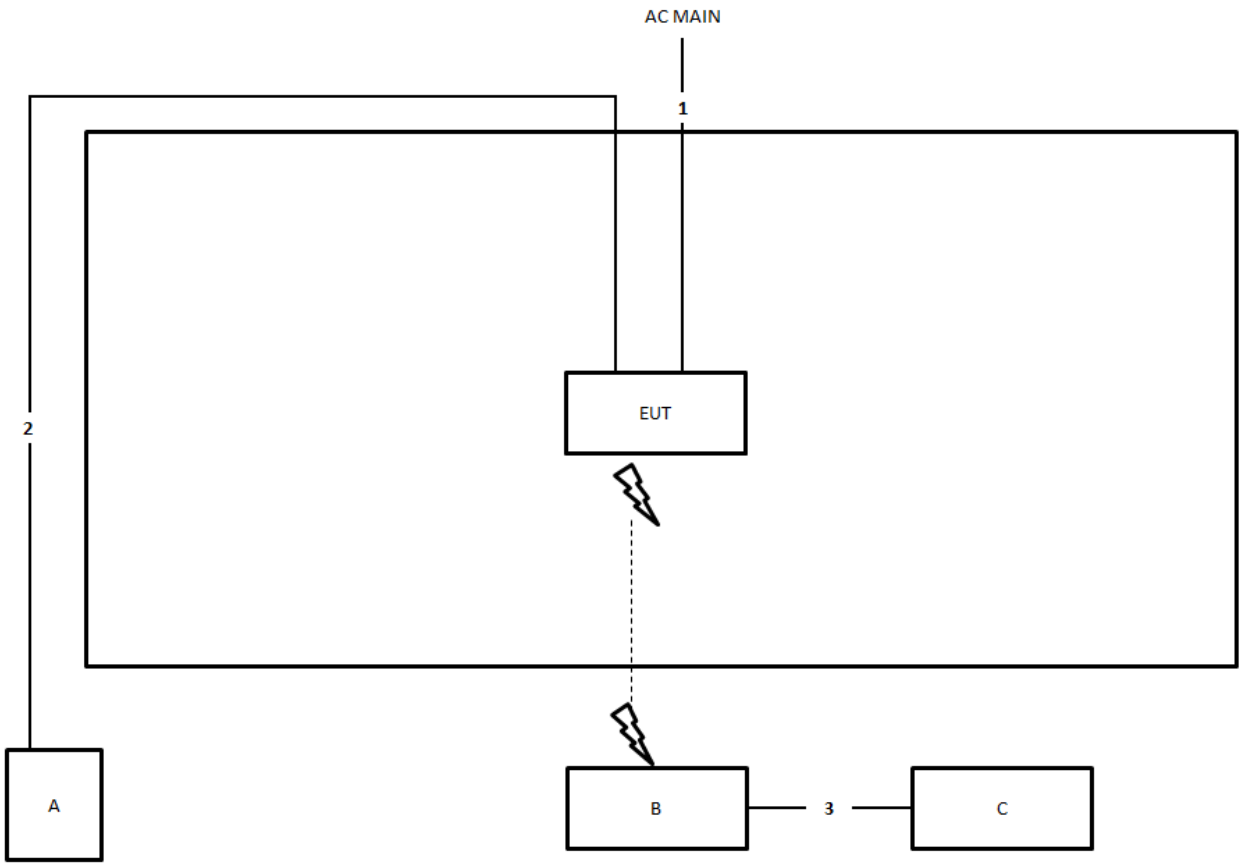
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	0.9m

Test Setup Diagram - Radiated Test > 1GHz / Non beamforming mode



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

Test Setup Diagram - Radiated Test > 1GHz / Beamforming mode



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
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

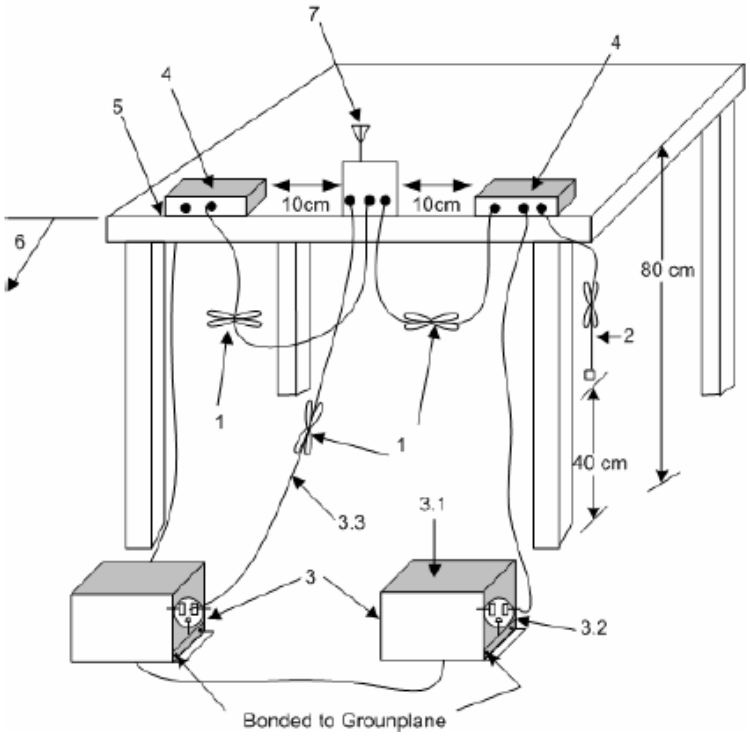
Refer a test equipment and calibration data table in this test report.

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.

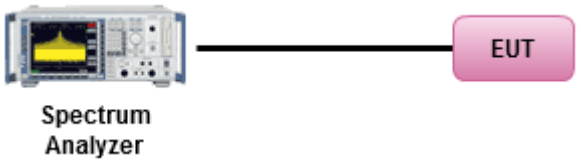
3.2.2 Measuring Instruments

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.		

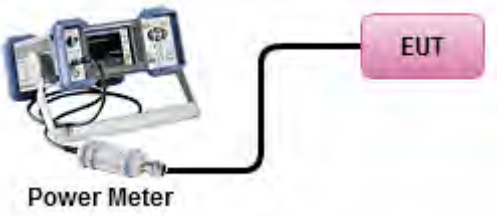
3.3.2 Measuring Instruments

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

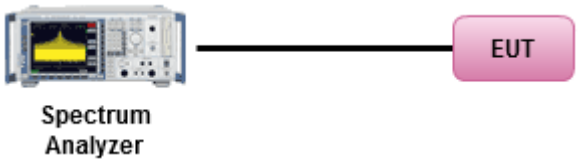
3.4.2 Measuring Instruments

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.	

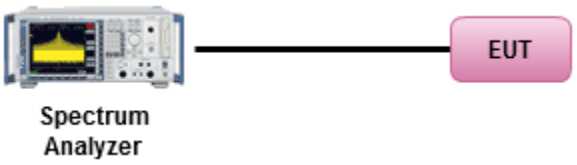
3.5.2 Measuring Instruments

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.

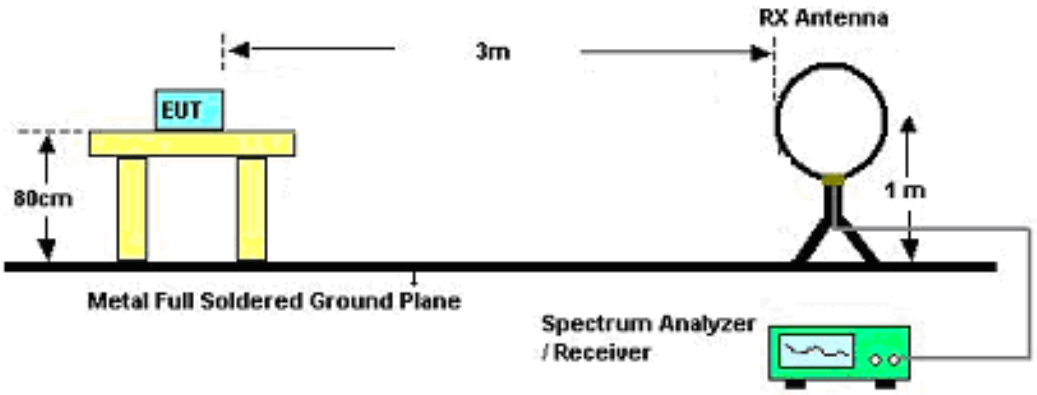
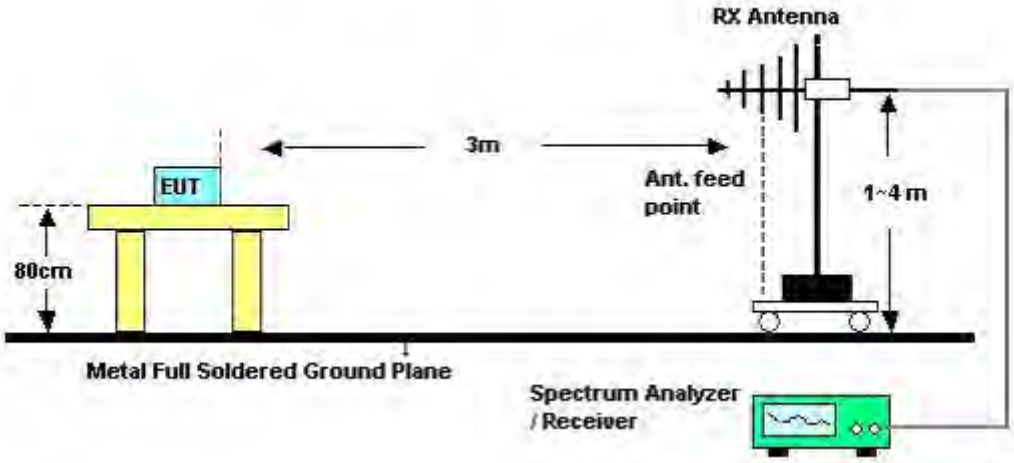
3.6.2 Measuring Instruments

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

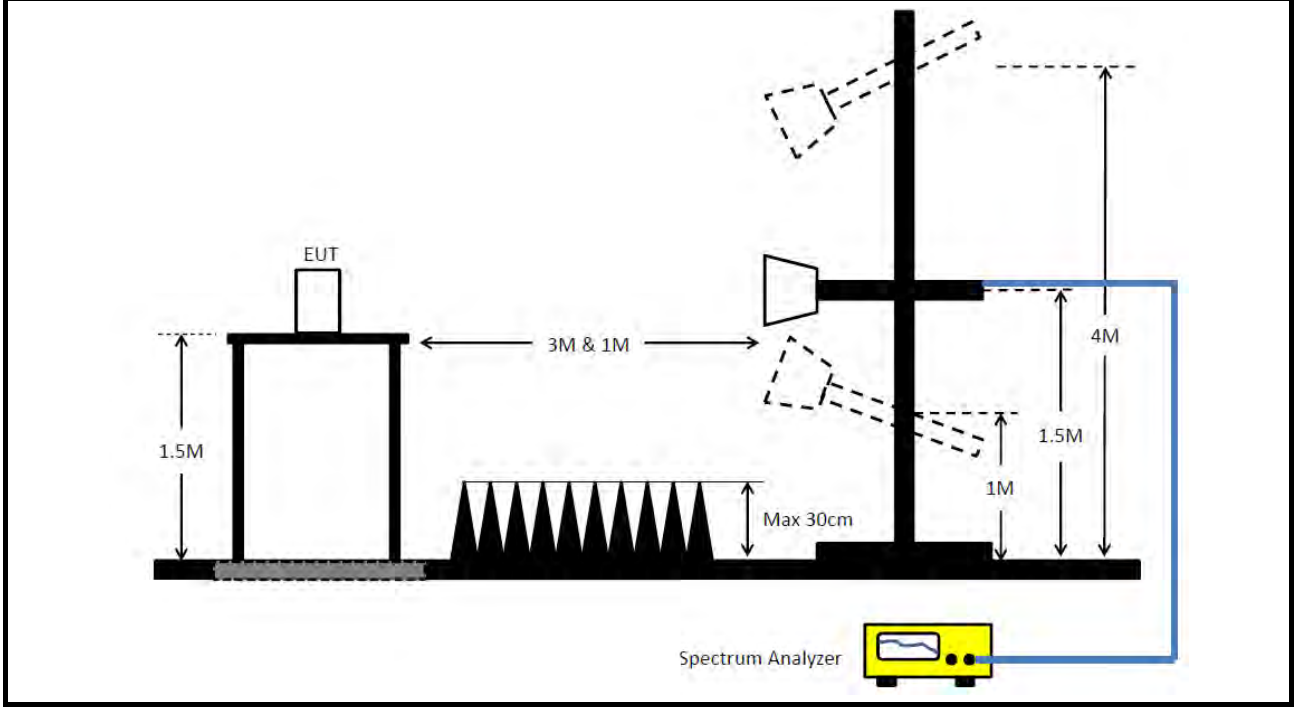
3.6.3 Test Procedures

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)
Impedance Stabilization Network	Teseq	ISN T800	24557	150kHz ~ 230MHz	Nov. 25, 2019	Nov. 24, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Bilog Antenna with 6dB Attenuator	Schaffner & EMCI	CBL6112 & N-6-06	2888 & AT-N0611	30MHz ~ 1GHz	Oct. 12, 2019	Oct. 11, 2020	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 16, 2020	Mar. 15, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 17, 2019	Jul. 16, 2020	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 08, 2019	May 07, 2020	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)

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 (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)

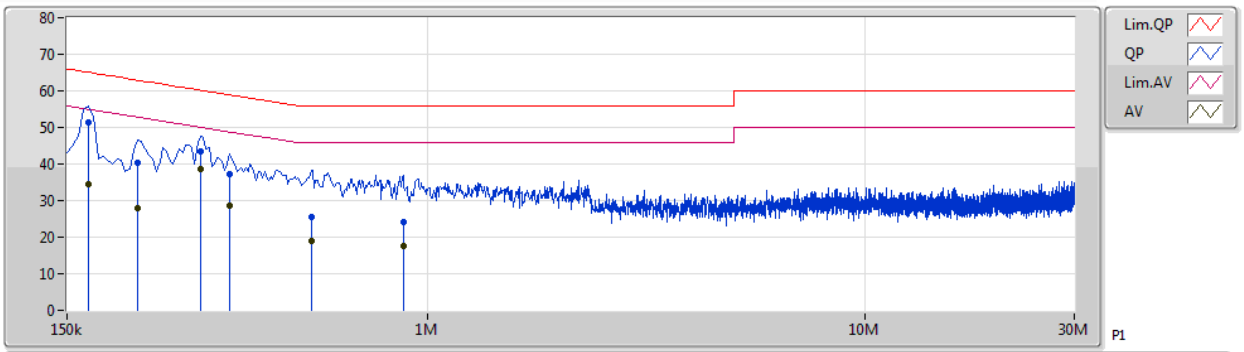
Note: Calibration Interval of instruments listed above is one year.

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

Summary

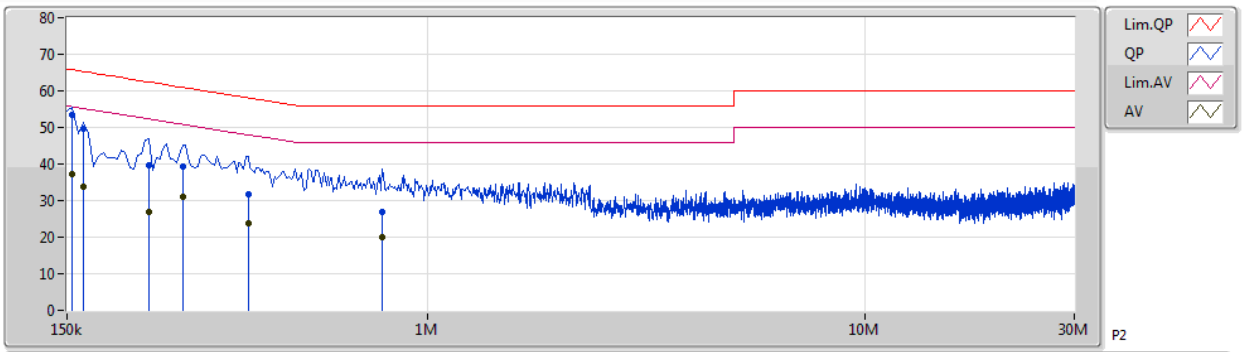
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 3	Pass	AV	303k	38.60	50.17	-11.57	10.23	Line

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168k	51.35	65.06	-13.71	10.21	Line	-	41.14	0.05	0.06	10.10
AV	168k	34.37	55.06	-20.69	10.21	Line	-	24.16	0.05	0.06	10.10
QP	217.5k	40.32	62.92	-22.60	10.22	Line	-	30.10	0.05	0.07	10.10
AV	217.5k	27.87	52.92	-25.05	10.22	Line	-	17.65	0.05	0.07	10.10
QP	303k	43.52	60.17	-16.65	10.23	Line	-	33.29	0.05	0.08	10.10
AV	303k	38.60	50.17	-11.57	10.23	Line	"Worst"	28.37	0.05	0.08	10.10
QP	352.5k	37.19	58.91	-21.72	10.23	Line	-	26.96	0.05	0.08	10.10
AV	352.5k	28.52	48.91	-20.39	10.23	Line	-	18.29	0.05	0.08	10.10
QP	541.5k	25.56	56.00	-30.44	10.24	Line	-	15.32	0.05	0.09	10.10
AV	541.5k	18.93	46.00	-27.07	10.24	Line	-	8.69	0.05	0.09	10.10
QP	879k	24.28	56.00	-31.72	10.27	Line	-	14.01	0.06	0.11	10.10
AV	879k	17.61	46.00	-28.39	10.27	Line	-	7.34	0.06	0.11	10.10

Mode 3



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	53.55	65.75	-12.20	10.21	Neutral	"Worst"	43.34	0.05	0.06	10.10
AV	154.5k	37.37	55.75	-18.38	10.21	Neutral	-	27.16	0.05	0.06	10.10
QP	163.5k	49.80	65.27	-15.47	10.21	Neutral	-	39.59	0.05	0.06	10.10
AV	163.5k	33.69	55.27	-21.58	10.21	Neutral	-	23.48	0.05	0.06	10.10
QP	231k	39.82	62.41	-22.59	10.22	Neutral	-	29.60	0.05	0.07	10.10
AV	231k	26.81	52.41	-25.60	10.22	Neutral	-	16.59	0.05	0.07	10.10
QP	276k	39.38	60.93	-21.55	10.22	Neutral	-	29.16	0.05	0.07	10.10
AV	276k	31.20	50.93	-19.73	10.22	Neutral	-	20.98	0.05	0.07	10.10
QP	388.5k	31.73	58.10	-26.37	10.23	Neutral	-	21.50	0.05	0.08	10.10
AV	388.5k	23.63	48.10	-24.47	10.23	Neutral	-	13.40	0.05	0.08	10.10
QP	789k	26.79	56.00	-29.21	10.27	Neutral	-	16.52	0.06	0.11	10.10
AV	789k	19.86	46.00	-26.14	10.27	Neutral	-	9.59	0.06	0.11	10.10

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	9.05M	13.393M	13M4G1D	7.575M	12.969M
802.11g-BF_Nss1,(6Mbps)_2TX	16.35M	17.016M	17M0D1D	16.3M	16.367M
VHT20-BF_Nss1,(MCS0)_2TX	17.55M	19.265M	19M3D1D	16.275M	17.541M
VHT40-BF_Nss1,(MCS0)_2TX	32.55M	35.882M	35M9D1D	28.8M	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	8.15M	13.043M	7.575M	12.969M
2437MHz	Pass	500k	8.525M	13.393M	9.05M	13.343M
2462MHz	Pass	500k	8.525M	13.193M	9.05M	13.243M
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.392M	16.325M	16.367M
2437MHz	Pass	500k	16.325M	16.842M	16.3M	17.016M
2462MHz	Pass	500k	16.3M	16.367M	16.35M	16.392M
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.325M	17.666M	16.275M	17.541M
2437MHz	Pass	500k	17.3M	18.416M	16.725M	19.265M
2462MHz	Pass	500k	17.55M	17.666M	17.525M	17.566M
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	32.55M	35.732M	31.3M	35.882M
2437MHz	Pass	500k	28.8M	35.782M	31.35M	35.832M
2452MHz	Pass	500k	31.25M	35.832M	31.3M	35.632M

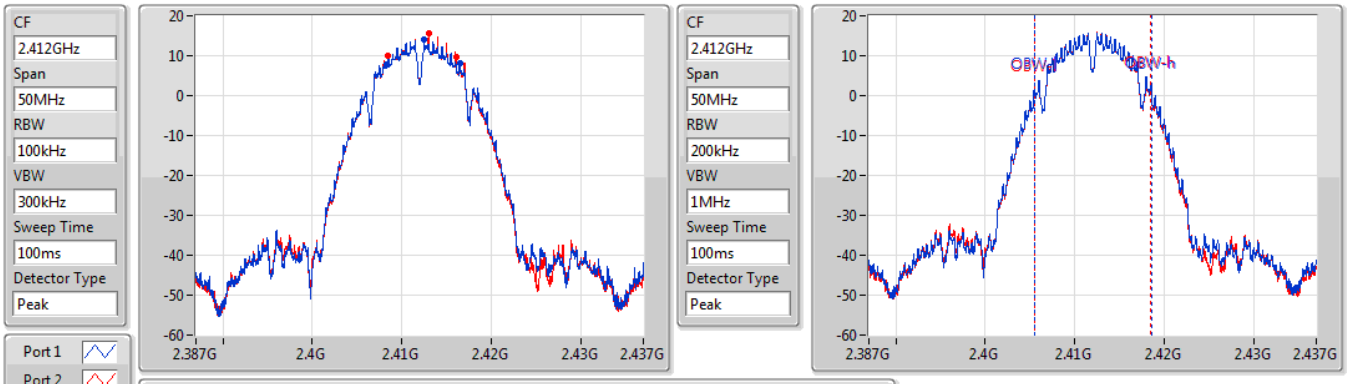
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

23/03/2020



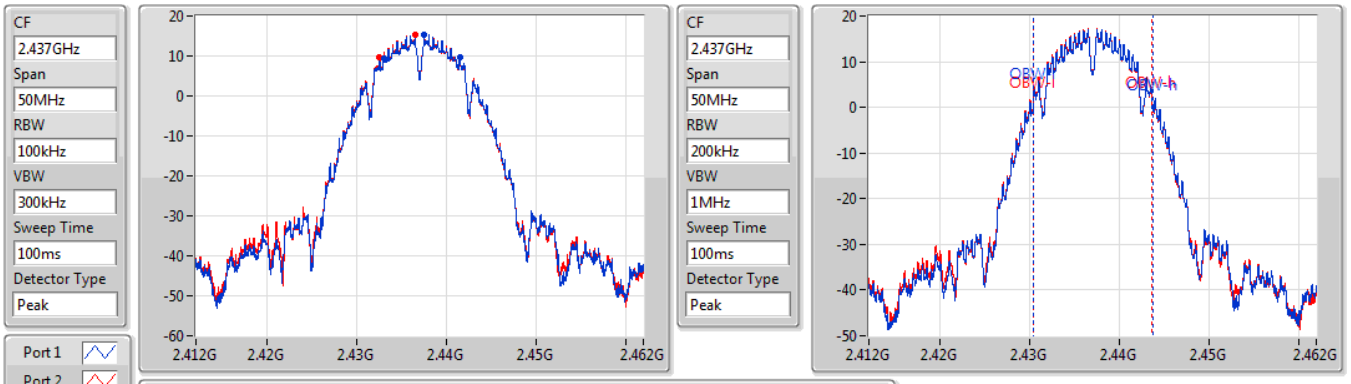
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.15M	2.408375G	2.416525G	13.043M	2.405528G	2.418572G	500k	1
7.575M	2.408475G	2.41605G	12.969M	2.405553G	2.418522G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

23/03/2020



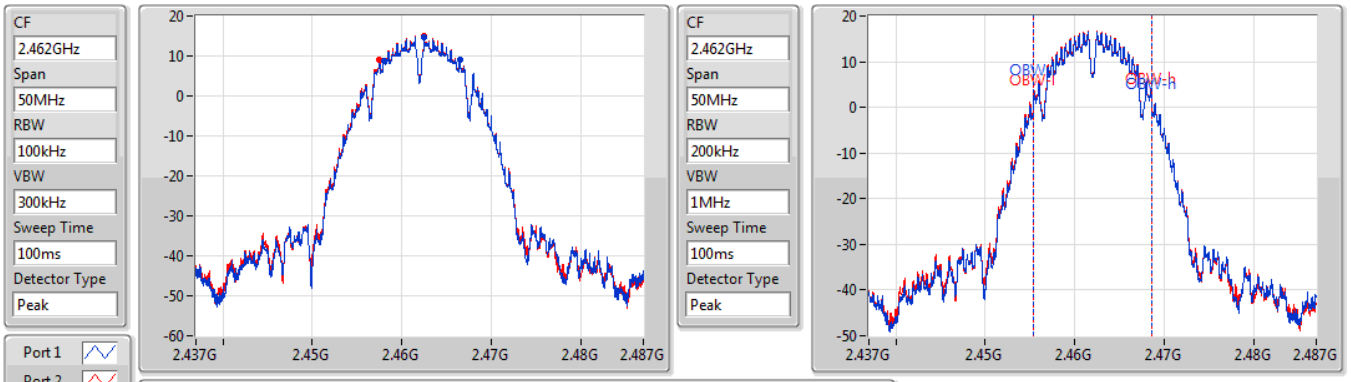
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.433G	2.441525G	13.393M	2.430403G	2.443797G	500k	1
9.05M	2.432475G	2.441525G	13.343M	2.430328G	2.443672G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

23/03/2020



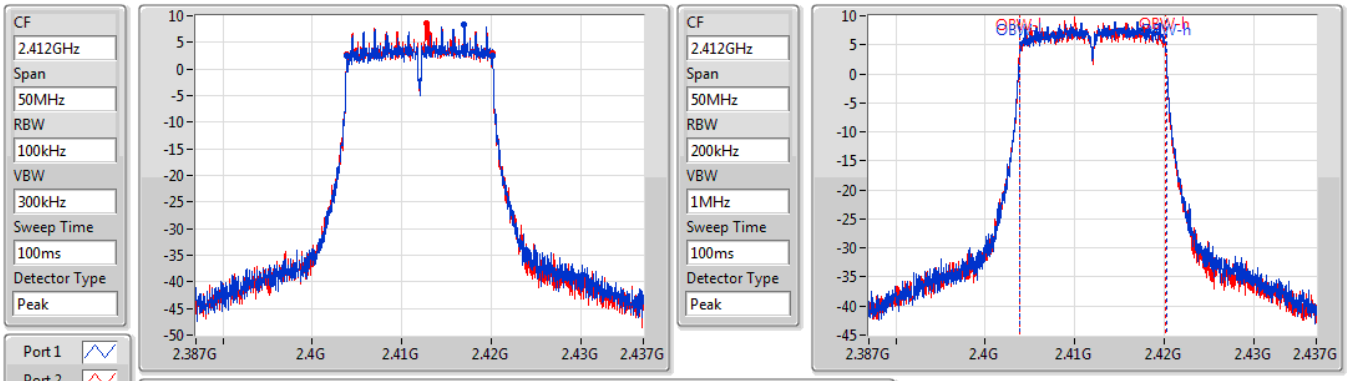
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.458G	2.466525G	13.193M	2.455453G	2.468647G	500k	1
9.05M	2.457475G	2.466525G	13.243M	2.455378G	2.468622G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX

EBW

2412MHz

23/03/2020



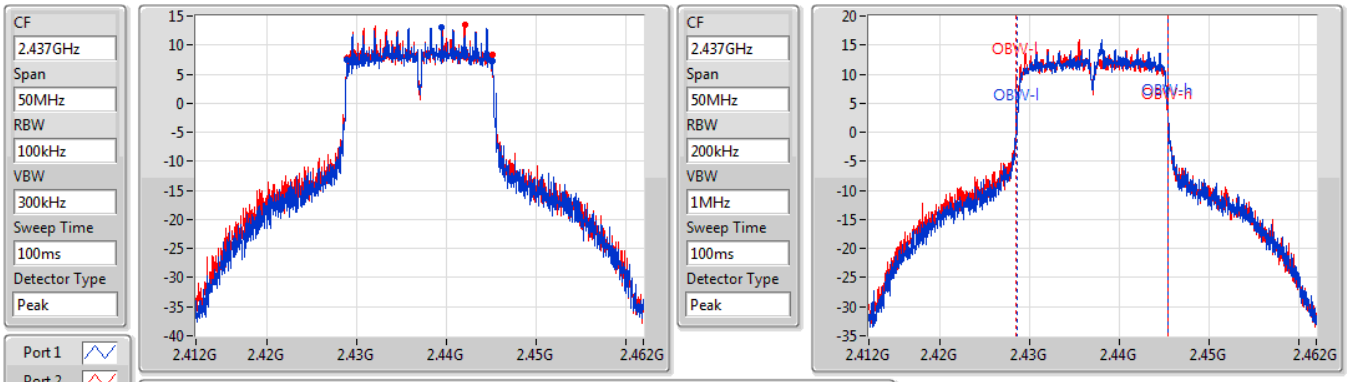
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.403875G	2.420175G	16.392M	2.403829G	2.420221G	500k	1
16.325M	2.40385G	2.420175G	16.367M	2.403829G	2.420196G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX

EBW

2437MHz

23/03/2020



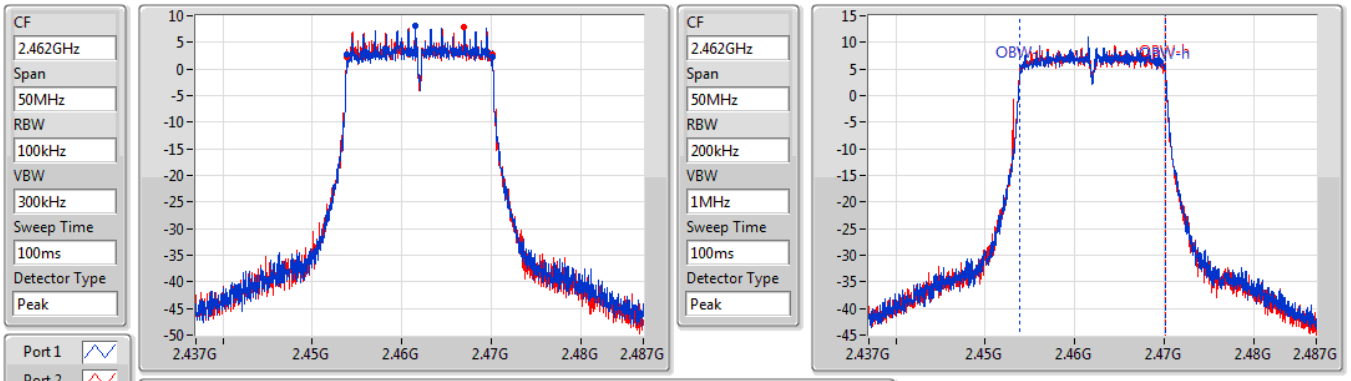
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	16.842M	2.428604G	2.445446G	500k	1
16.3M	2.42885G	2.44515G	17.016M	2.428404G	2.445421G	500k	2

802.11g-BF_Nss1,(6Mbps)_2TX

EBW

2462MHz

23/03/2020



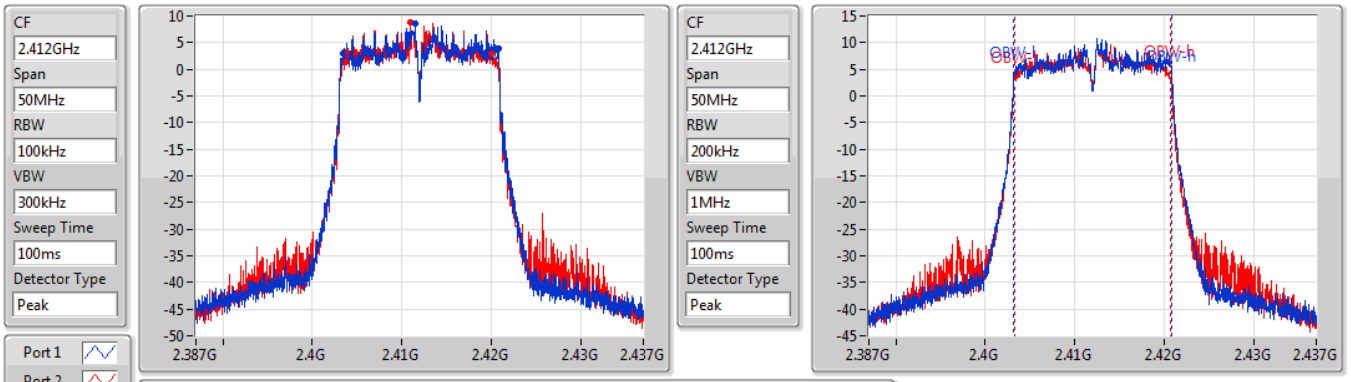
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.453875G	2.470175G	16.367M	2.453829G	2.470196G	500k	1
16.35M	2.453825G	2.470175G	16.392M	2.453804G	2.470196G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2412MHz

23/03/2020



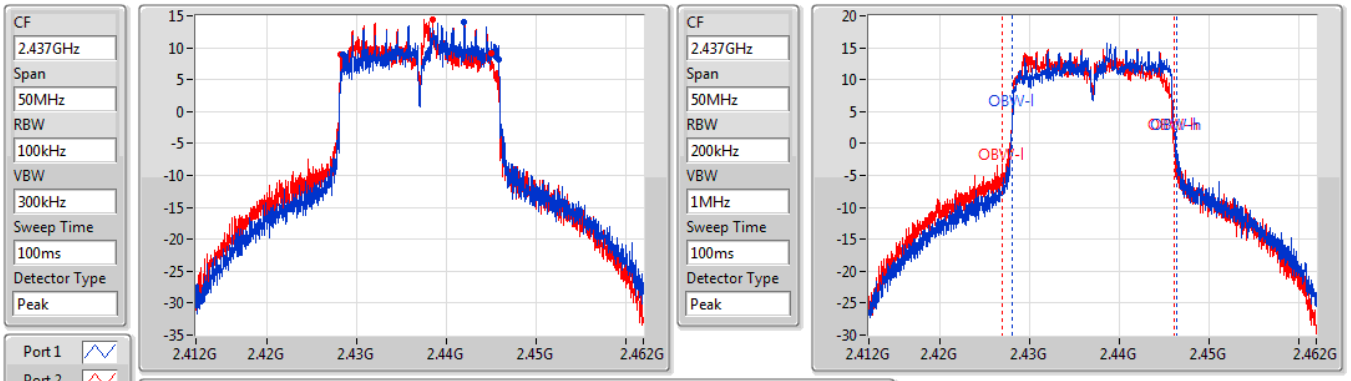
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.325M	2.403475G	2.4208G	17.666M	2.403204G	2.420871G	500k	1
16.275M	2.4038G	2.420075G	17.541M	2.403229G	2.420771G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

23/03/2020



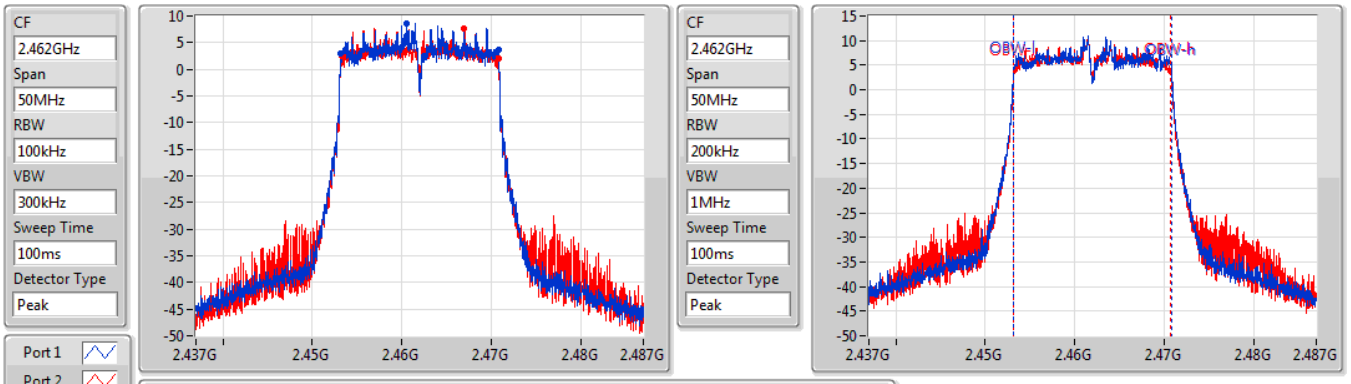
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.3M	2.4285G	2.4458G	18.416M	2.428004G	2.44642G	500k	1
16.725M	2.428225G	2.44495G	19.265M	2.426855G	2.44612G	500k	2

VHT20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

23/03/2020



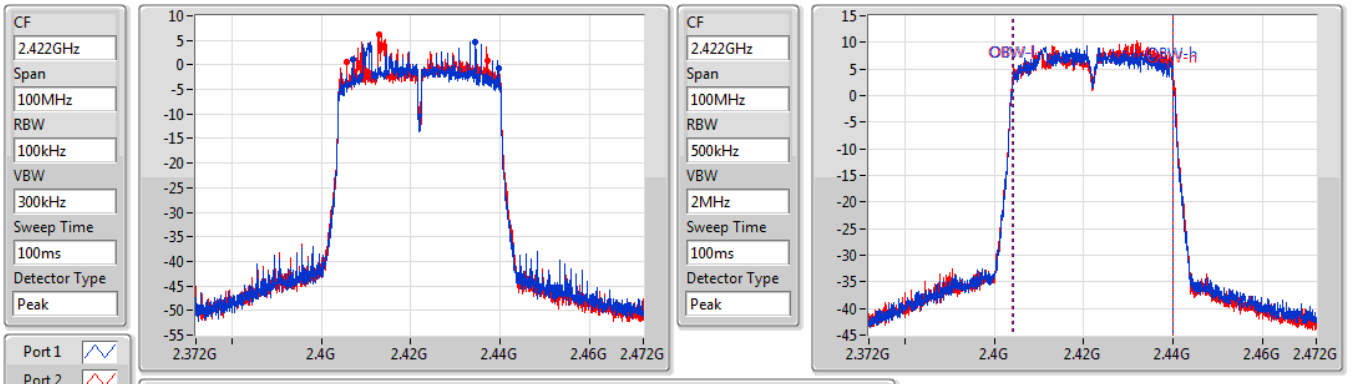
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.453225G	2.470775G	17.666M	2.453179G	2.470846G	500k	1
17.525M	2.45325G	2.470775G	17.566M	2.453204G	2.470771G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

23/03/2020



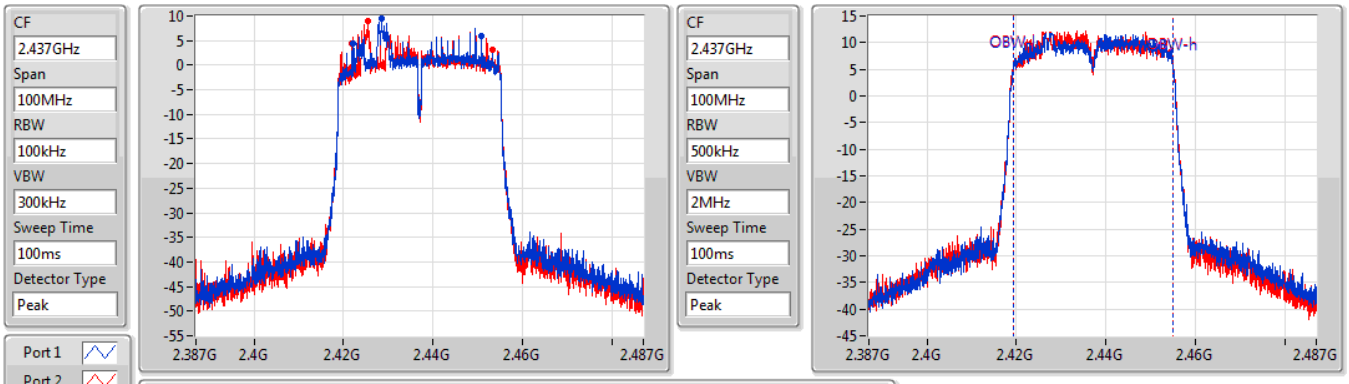
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	2.407G	2.43955G	35.732M	2.404209G	2.439941G	500k	1
31.3M	2.40575G	2.43705G	35.882M	2.404159G	2.440041G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX

EBW

2437MHz

23/03/2020



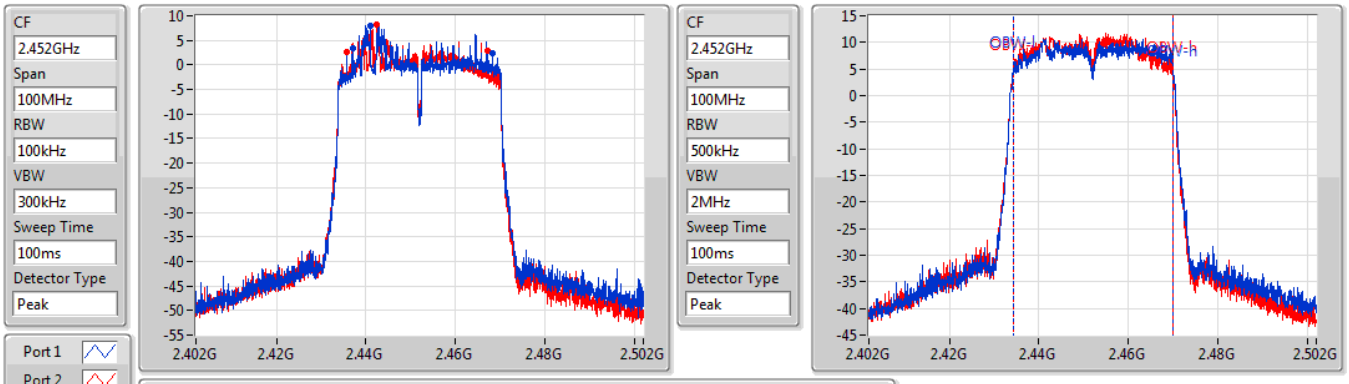
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.8M	2.422G	2.4508G	35.782M	2.419209G	2.454991G	500k	1
31.35M	2.42195G	2.4533G	35.832M	2.419209G	2.455041G	500k	2

VHT40-BF_Nss1,(MCS0)_2TX

EBW

2452MHz

23/03/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.25M	2.437G	2.46825G	35.832M	2.434209G	2.470041G	500k	1
31.3M	2.43575G	2.46705G	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	28.25	0.66834
802.11g-BF_Nss1,(6Mbps)_2TX	27.19	0.52360
VHT20-BF_Nss1,(MCS0)_2TX	27.55	0.56885
VHT40-BF_Nss1,(MCS0)_2TX	22.53	0.17906

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.81	23.83	23.76	26.81	30.00
2437MHz	Pass	2.81	25.09	25.38	28.25	30.00
2462MHz	Pass	2.81	24.58	24.84	27.72	30.00
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.59	19.32	19.38	22.36	30.00
2417MHz	Pass	5.59	20.51	20.62	23.58	30.00
2437MHz	Pass	5.59	24.09	24.27	27.19	30.00
2457MHz	Pass	5.59	21.57	21.75	24.67	30.00
2462MHz	Pass	5.59	19.03	19.31	22.18	30.00
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.59	18.69	18.84	21.78	30.00
2417MHz	Pass	5.59	20.67	20.83	23.76	30.00
2437MHz	Pass	5.59	24.28	24.78	27.55	30.00
2457MHz	Pass	5.59	20.94	21.26	24.11	30.00
2462MHz	Pass	5.59	19.23	19.34	22.30	30.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.59	16.85	17.14	20.01	30.00
2437MHz	Pass	5.59	19.33	19.71	22.53	30.00
2452MHz	Pass	5.59	18.67	18.82	21.76	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	1.64
802.11g-BF_Nss1,(6Mbps)_2TX	-0.34
VHT20-BF_Nss1,(MCS0)_2TX	1.36
VHT40-BF_Nss1,(MCS0)_2TX	-7.85

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

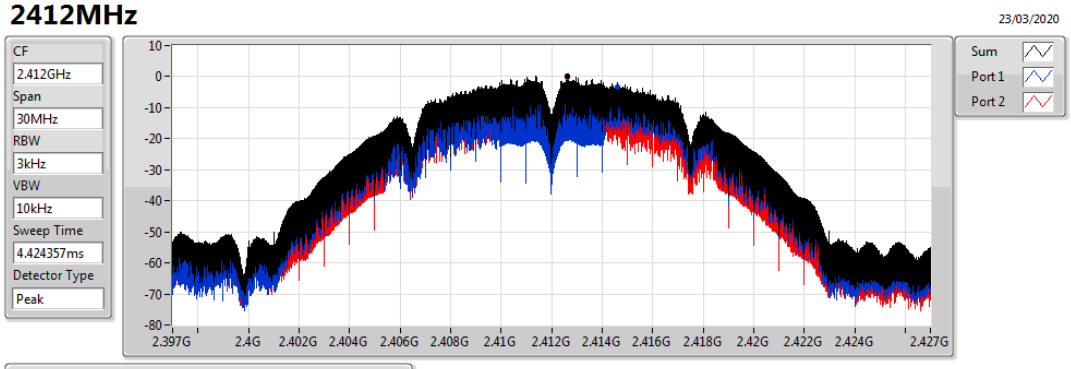
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.59	-3.37	-0.02	0.33	8.00
2437MHz	Pass	5.59	-1.57	-1.17	1.64	8.00
2462MHz	Pass	5.59	-0.24	-1.28	1.09	8.00
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.59	-4.43	-6.60	-3.21	8.00
2437MHz	Pass	5.59	-1.73	-1.20	-0.34	8.00
2462MHz	Pass	5.59	-5.74	-6.58	-3.72	8.00
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.59	-5.34	-6.98	-4.48	8.00
2437MHz	Pass	5.59	0.05	-0.60	1.36	8.00
2462MHz	Pass	5.59	-6.29	-7.29	-4.15	8.00
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.59	-12.30	-10.32	-9.52	8.00
2437MHz	Pass	5.59	-9.11	-8.78	-7.85	8.00
2452MHz	Pass	5.59	-9.78	-8.99	-8.06	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

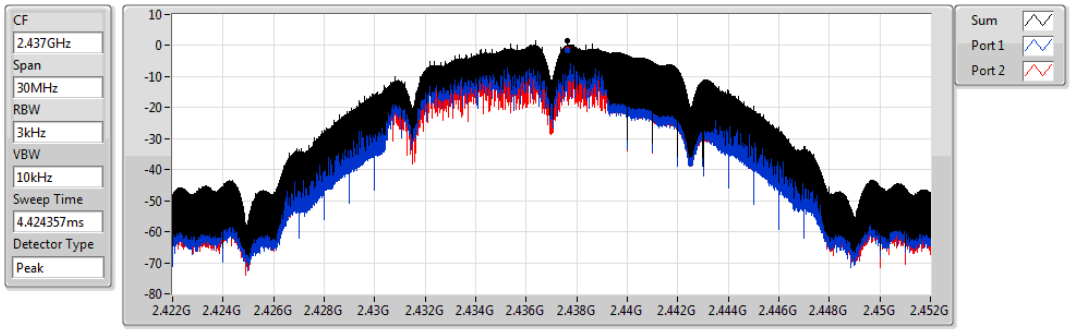
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.33	0.33	-3.37	-0.02

802.11b_Nss1,(1Mbps)_2TX PSD

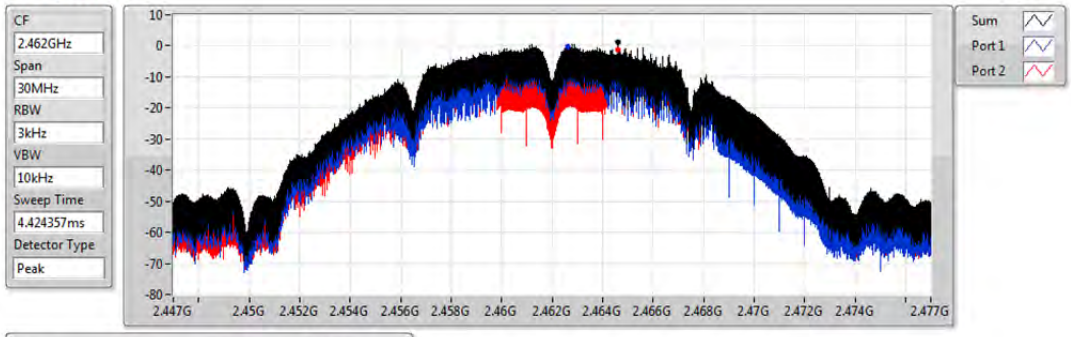
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.64	1.64	-1.57	-1.17

802.11b_Nss1,(1Mbps)_2TX PSD

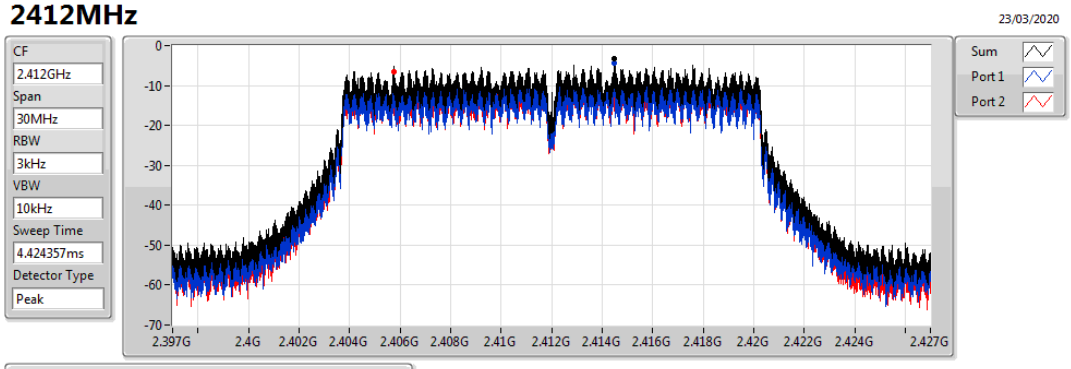
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.09	1.09	-0.24	-1.28

802.11g-BF_Nss1,(6Mbps)_2TX PSD

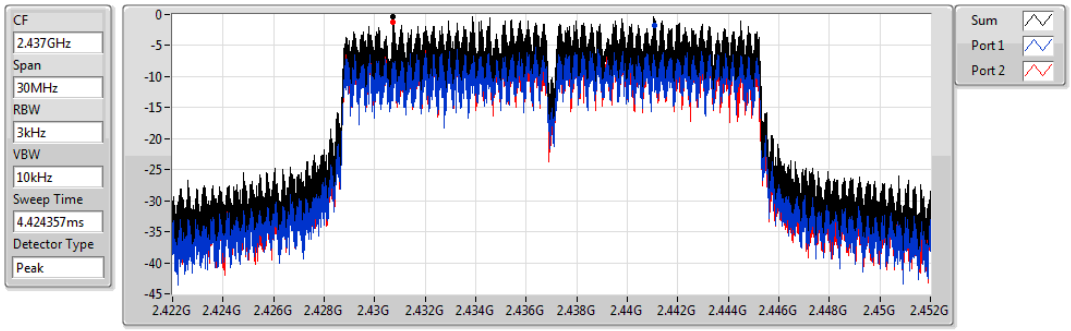
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.21	-3.21	-4.43	-6.60

802.11g-BF_Nss1,(6Mbps)_2TX PSD

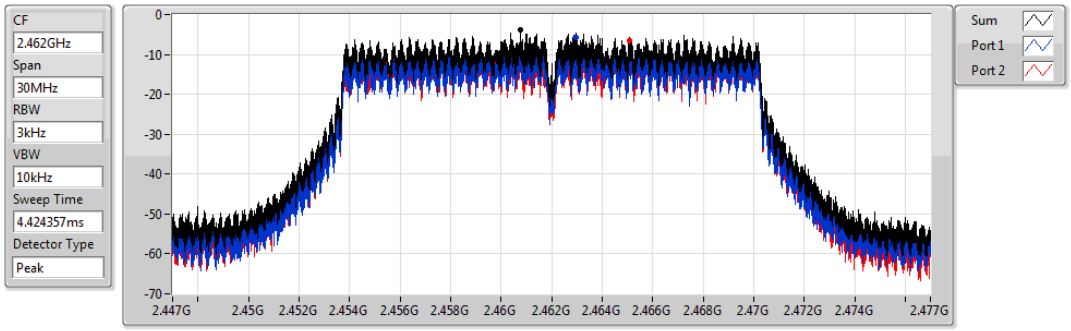
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.34	-0.34	-1.73	-1.20

802.11g-BF_Nss1,(6Mbps)_2TX PSD

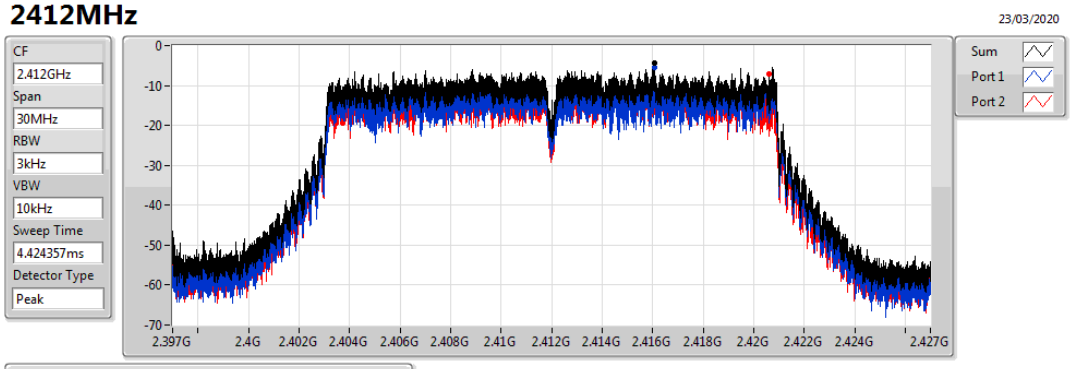
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.72	-3.72	-5.74	-6.58

VHT20-BF_Nss1,(MCS0)_2TX PSD

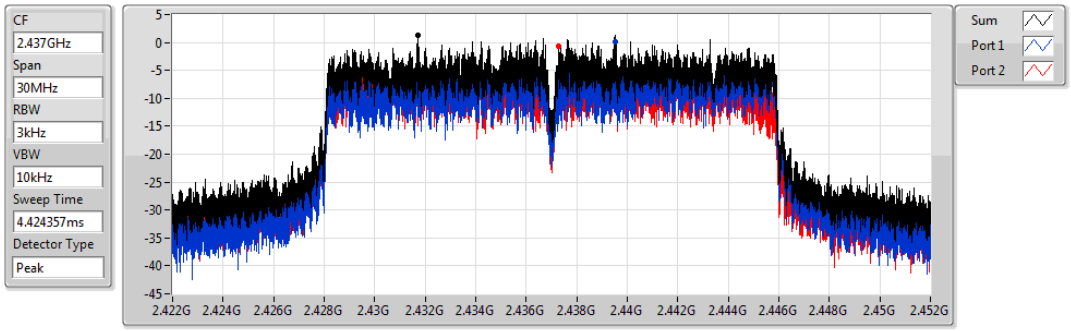
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.48	-4.48	-5.34	-6.98

VHT20-BF_Nss1,(MCS0)_2TX PSD

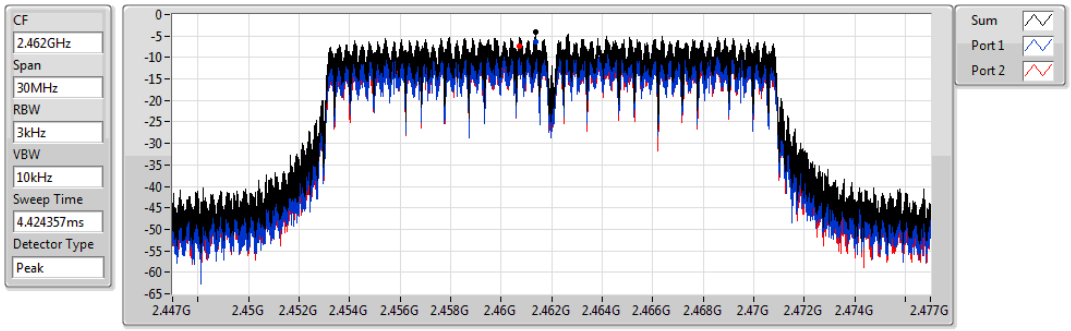
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.36	1.36	0.05	-0.60

VHT20-BF_Nss1,(MCS0)_2TX PSD

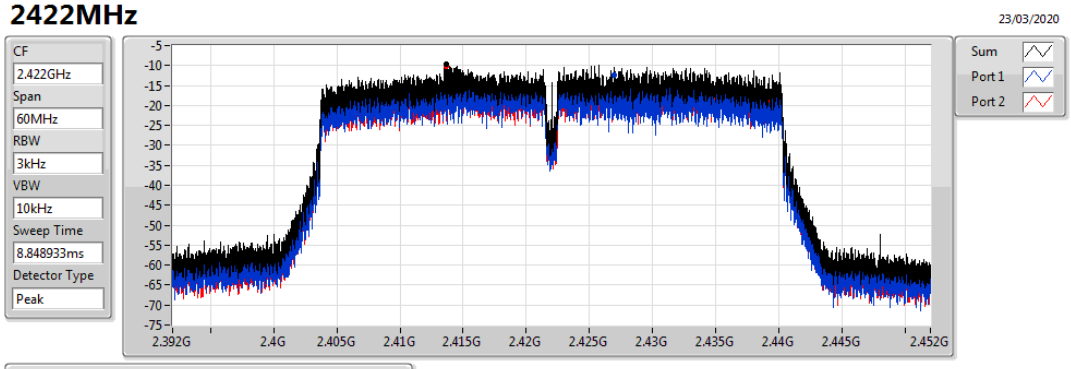
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.15	-4.15	-6.29	-7.29

VHT40-BF_Nss1,(MCS0)_2TX PSD

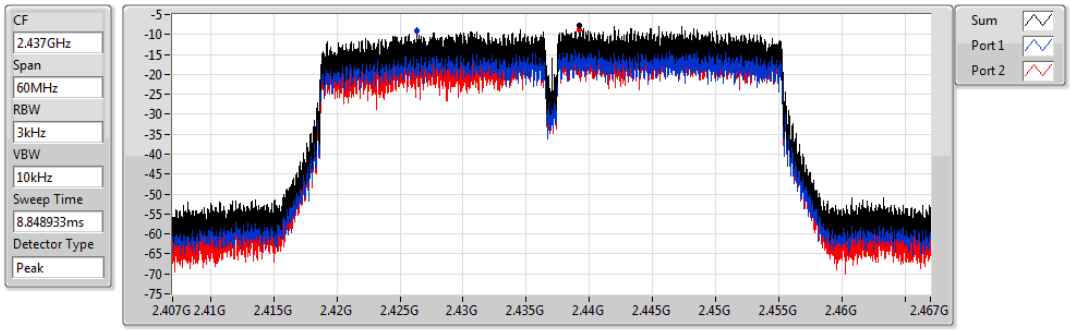
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.52	-9.52	-12.30	-10.32

VHT40-BF_Nss1,(MCS0)_2TX PSD

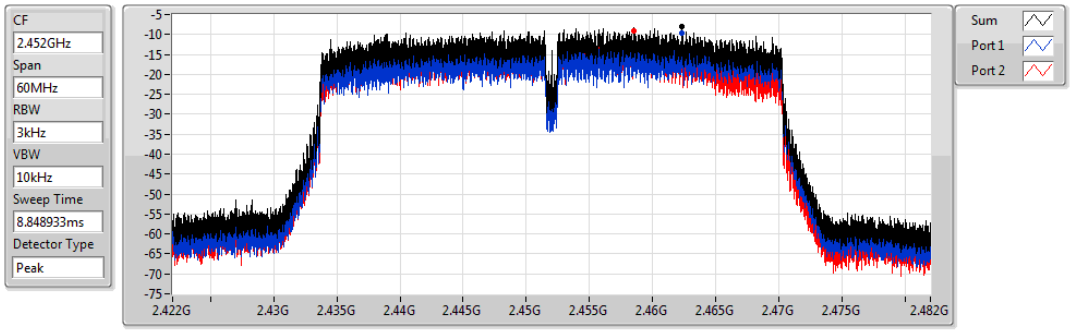
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.85	-7.85	-9.11	-8.78

VHT40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.06	-8.06	-9.78	-8.99

Summary

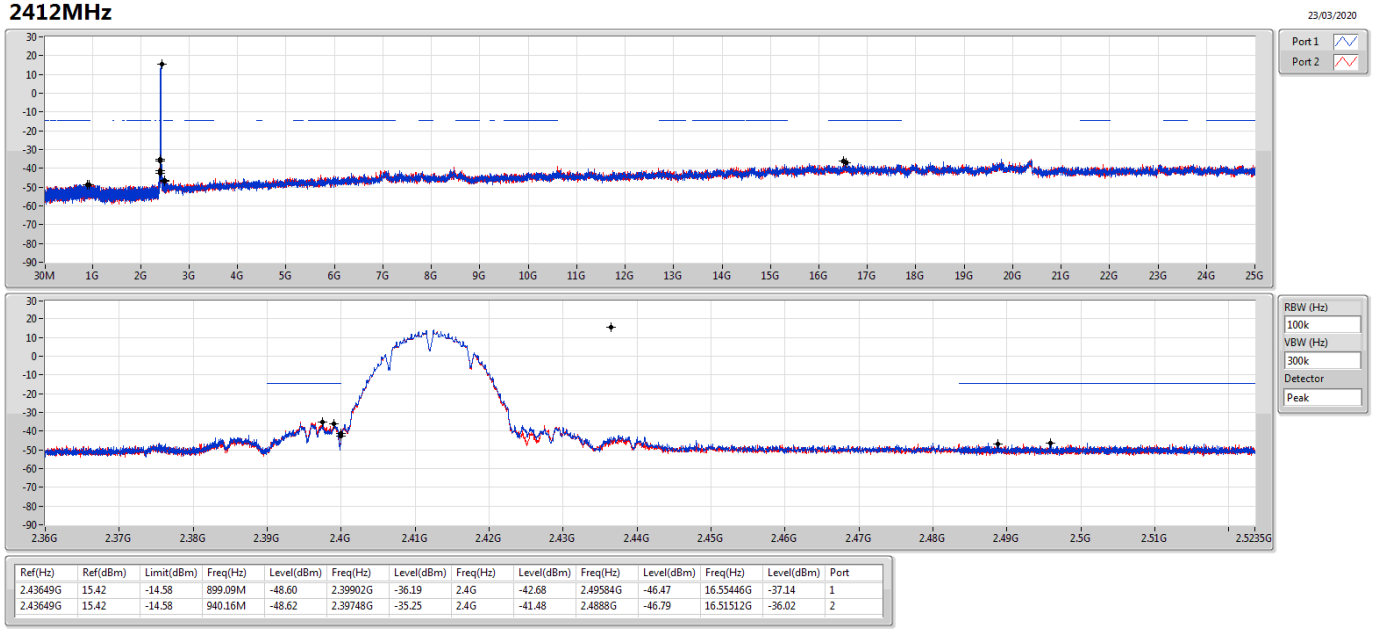
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43649G	15.42	-14.58	940.16M	-48.62	2.39748G	-35.25	2.4G	-41.48	2.4888G	-46.79	16.51512G	-36.02	2
802.11g-BF_Nss1,(6Mbps)_2TX	Pass	2.43753G	15.39	-14.61	1.71576G	-47.30	2.4G	-33.29	2.4G	-34.89	2.49602G	-45.94	16.50107G	-37.70	1
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.442G	14.21	-15.79	2.11739G	-47.71	2.39988G	-30.80	2.4G	-38.30	2.5118G	-46.53	24.27513G	-36.36	2
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42797G	11.34	-18.66	2.16285G	-48.01	2.39576G	-37.67	2.4G	-42.60	2.56002G	-43.49	24.07449G	-37.58	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	15.42	-14.58	899.09M	-48.60	2.39902G	-36.19	2.4G	-42.68	2.49584G	-46.47	16.55446G	-37.14	1
2412MHz	Pass	2.43649G	15.42	-14.58	940.16M	-48.62	2.39748G	-35.25	2.4G	-41.48	2.4888G	-46.79	16.51512G	-36.02	2
2437MHz	Pass	2.43649G	15.42	-14.58	863.56M	-47.37	2.4G	-46.16	2.4G	-47.07	2.4875G	-46.31	16.87475G	-35.72	1
2437MHz	Pass	2.43649G	15.42	-14.58	855.11M	-47.29	2.39942G	-46.77	2.4G	-46.91	2.4941G	-45.21	17.16132G	-37.11	2
2462MHz	Pass	2.43649G	15.42	-14.58	776.77M	-48.27	2.39742G	-48.13	2.4835G	-43.08	2.4875G	-41.77	15.20306G	-37.09	1
2462MHz	Pass	2.43649G	15.42	-14.58	525.42M	-48.38	2.4G	-48.08	2.4835G	-40.13	2.48352G	-42.10	24.10375G	-37.37	2
802.11g-BF_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43753G	15.39	-14.61	1.71576G	-47.30	2.4G	-33.29	2.4G	-34.89	2.49602G	-45.94	16.50107G	-37.70	1
2412MHz	Pass	2.43753G	15.39	-14.61	730.17M	-48.87	2.39918G	-34.35	2.4G	-35.33	2.49608G	-47.29	24.39032G	-37.94	2
2437MHz	Pass	2.43753G	15.39	-14.61	794.82M	-48.81	2.39926G	-39.46	2.4G	-41.89	2.484G	-45.56	24.41842G	-36.98	1
2437MHz	Pass	2.43753G	15.39	-14.61	688.23M	-48.50	2.3998G	-37.91	2.4G	-38.60	2.48382G	-42.13	17.50409G	-37.73	2
2462MHz	Pass	2.43753G	15.39	-14.61	654.44M	-47.96	2.39482G	-47.46	2.4835G	-43.54	2.4836G	-41.08	24.11499G	-37.42	1
2462MHz	Pass	2.43753G	15.39	-14.61	950.35M	-48.79	2.39954G	-47.53	2.4835G	-44.95	2.48386G	-42.12	17.63614G	-36.85	2
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	14.21	-15.79	865.6M	-48.63	2.39704G	-35.25	2.4G	-36.21	2.4959G	-46.26	16.87755G	-37.67	1
2412MHz	Pass	2.442G	14.21	-15.79	2.11739G	-47.71	2.39988G	-30.80	2.4G	-38.30	2.5118G	-46.53	24.27513G	-36.36	2
2437MHz	Pass	2.442G	14.21	-15.79	632.31M	-48.19	2.3981G	-38.43	2.4G	-40.63	2.4845G	-41.23	24.0897G	-36.90	1
2437MHz	Pass	2.442G	14.21	-15.79	848.41M	-48.65	2.39952G	-36.91	2.4G	-38.79	2.48574G	-39.89	24.39032G	-36.39	2
2462MHz	Pass	2.442G	14.21	-15.79	827.44M	-48.71	2.3967G	-47.88	2.4835G	-44.42	2.4841G	-41.91	16.84946G	-37.20	1
2462MHz	Pass	2.442G	14.21	-15.79	1.99856G	-47.62	2.3902G	-47.14	2.4835G	-43.95	2.48434G	-39.33	17.12199G	-37.23	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42797G	11.34	-18.66	2.16285G	-48.01	2.39576G	-37.67	2.4G	-42.60	2.56002G	-43.49	24.07449G	-37.58	1
2422MHz	Pass	2.42797G	11.34	-18.66	762.8M	-48.88	2.39948G	-37.71	2.4G	-42.08	2.4961G	-46.56	16.8836G	-38.03	2
2437MHz	Pass	2.42797G	11.34	-18.66	704.12M	-48.39	2.39952G	-41.05	2.4G	-42.89	2.48574G	-41.67	16.77141G	-37.28	1
2437MHz	Pass	2.42797G	11.34	-18.66	891.04M	-48.49	2.39952G	-38.26	2.4835G	-44.81	2.4901G	-43.43	16.97334G	-37.50	2
2452MHz	Pass	2.42797G	11.34	-18.66	775.11M	-48.67	2.39992G	-44.67	2.4835G	-43.65	2.48698G	-40.70	17.66046G	-37.72	1
2452MHz	Pass	2.42797G	11.34	-18.66	904.78M	-47.92	2.39916G	-45.90	2.4835G	-45.30	2.48478G	-42.75	16.83872G	-37.70	2

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

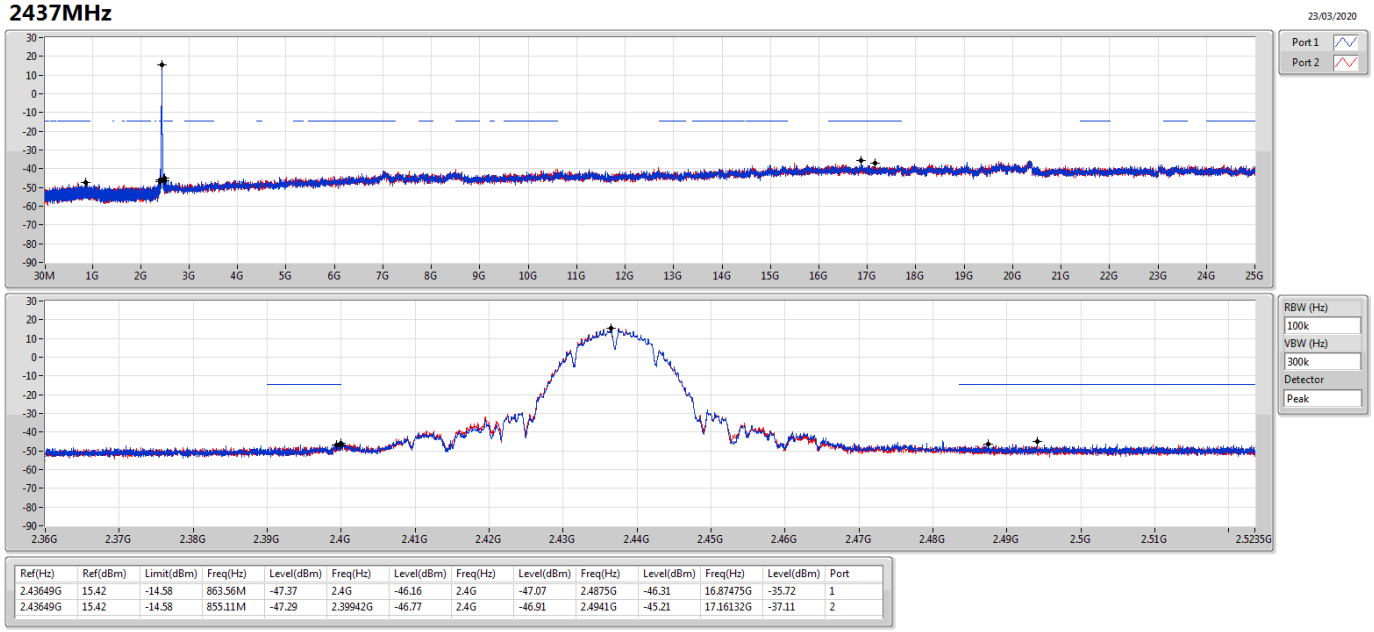
2412MHz



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
2.43649G	15.42	-14.58	899.09M	-48.60	2.39902G	-36.19	2.4G	-42.68	2.49584G	-46.47	16.55446G	-37.14	1
2.43649G	15.42	-14.58	940.16M	-48.62	2.39748G	-35.25	2.4G	-41.48	2.4888G	-46.79	16.51512G	-36.02	2

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

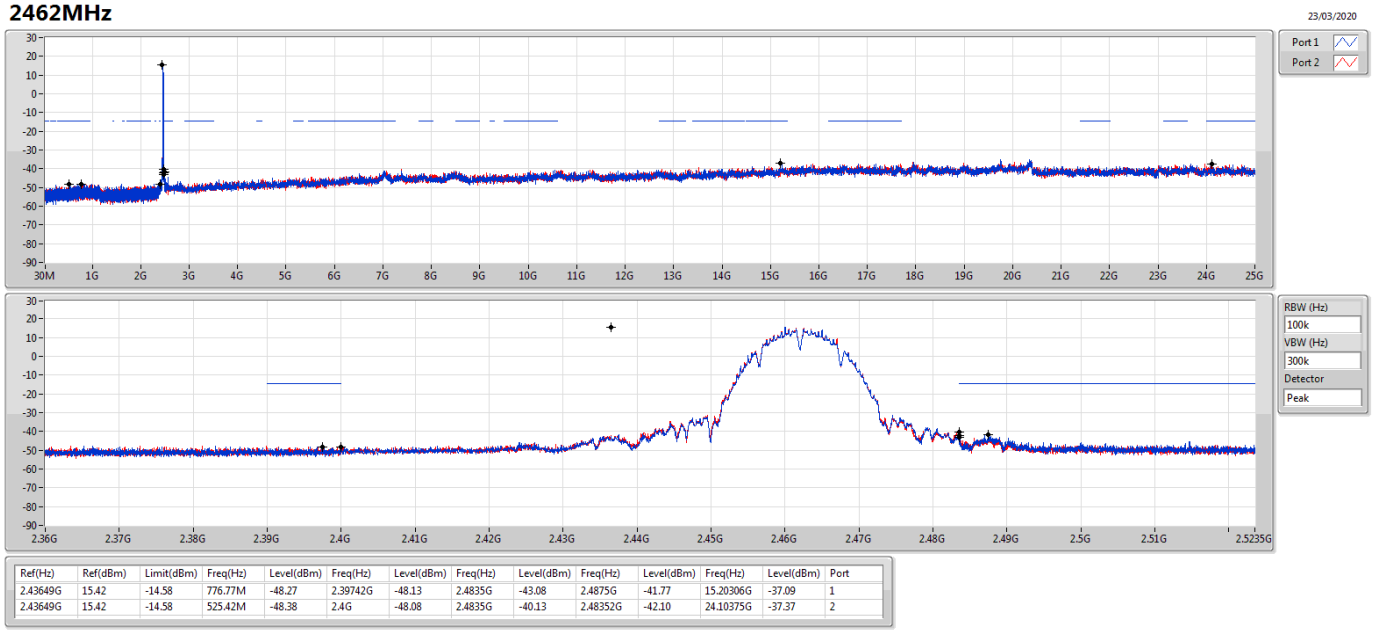
2437MHz



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
2.43649G	15.42	-14.58	863.56M	-47.37	2.4G	-46.16	2.4G	-47.07	2.4875G	-46.31	16.87475G	-35.72	1
2.43649G	15.42	-14.58	855.11M	-47.29	2.39942G	-46.77	2.4G	-46.91	2.4941G	-45.21	17.16132G	-37.11	2

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

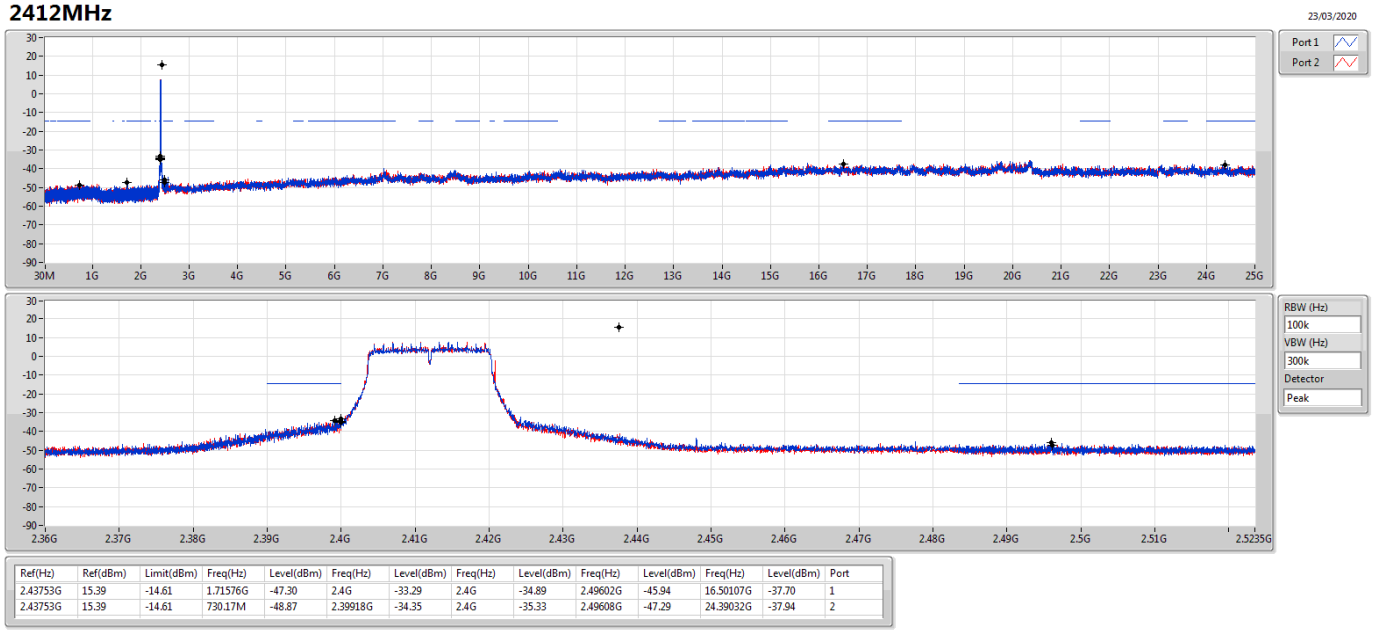
2462MHz



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
2.43649G	15.42	-14.58	776.77M	-48.27	2.39742G	-48.13	2.4835G	-43.08	2.4875G	-41.77	15.20306G	-37.09	1
2.43649G	15.42	-14.58	525.42M	-48.38	2.4G	-48.08	2.4835G	-40.13	2.48352G	-42.10	24.10375G	-37.37	2

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

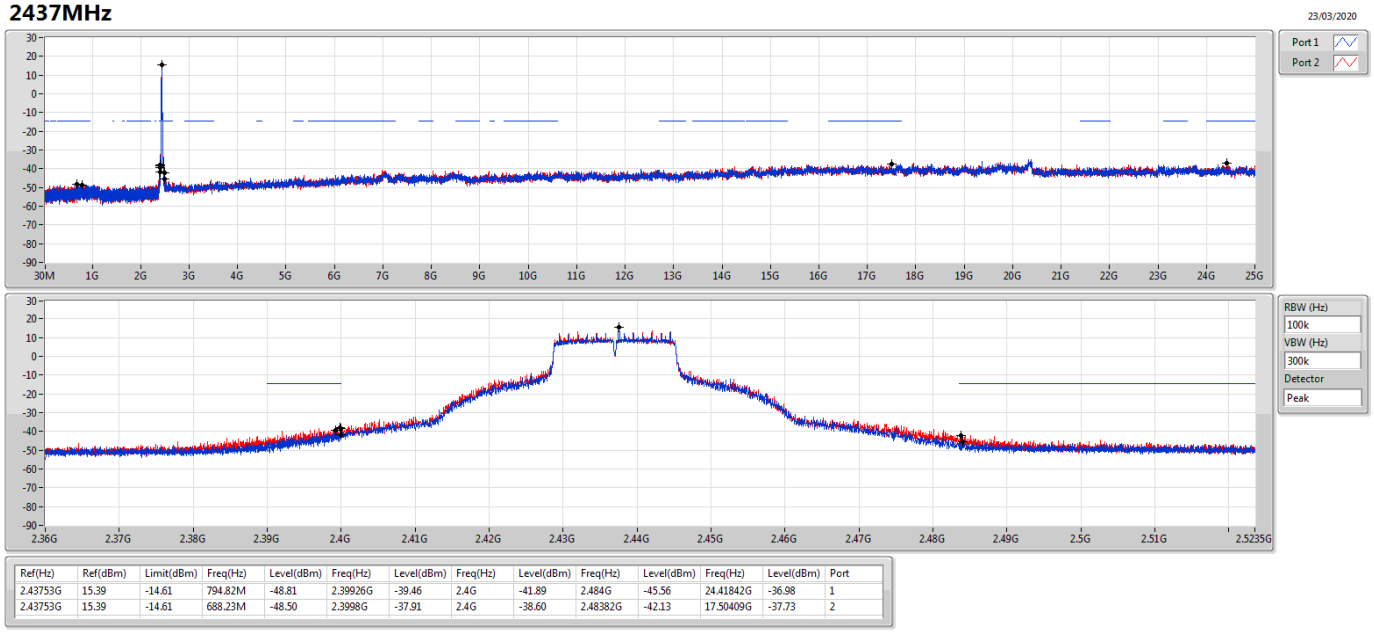
2412MHz



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
2.43753G	15.39	-14.61	1.71576G	-47.30	2.4G	-33.29	2.4G	-34.89	2.49602G	-45.94	16.50107G	-37.70	1
2.43753G	15.39	-14.61	730.17M	-48.87	2.39918G	-34.35	2.4G	-35.33	2.49608G	-47.29	24.39032G	-37.94	2

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

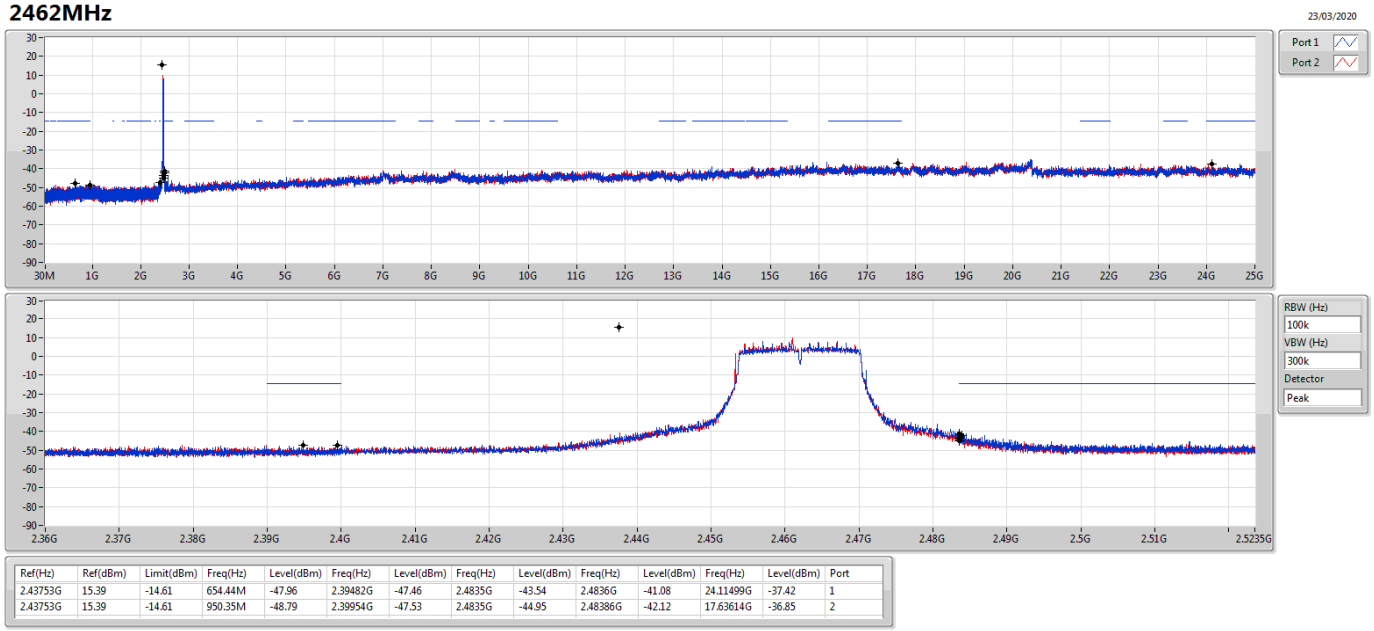
2437MHz



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
2.43753G	15.39	-14.61	794.82M	-48.81	2.39926G	-39.46	2.4G	-41.89	2.484G	-45.56	24.41842G	-36.98	1
2.43753G	15.39	-14.61	688.23M	-48.50	2.3998G	-37.91	2.4G	-38.60	2.48382G	-42.13	17.50409G	-37.73	2

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

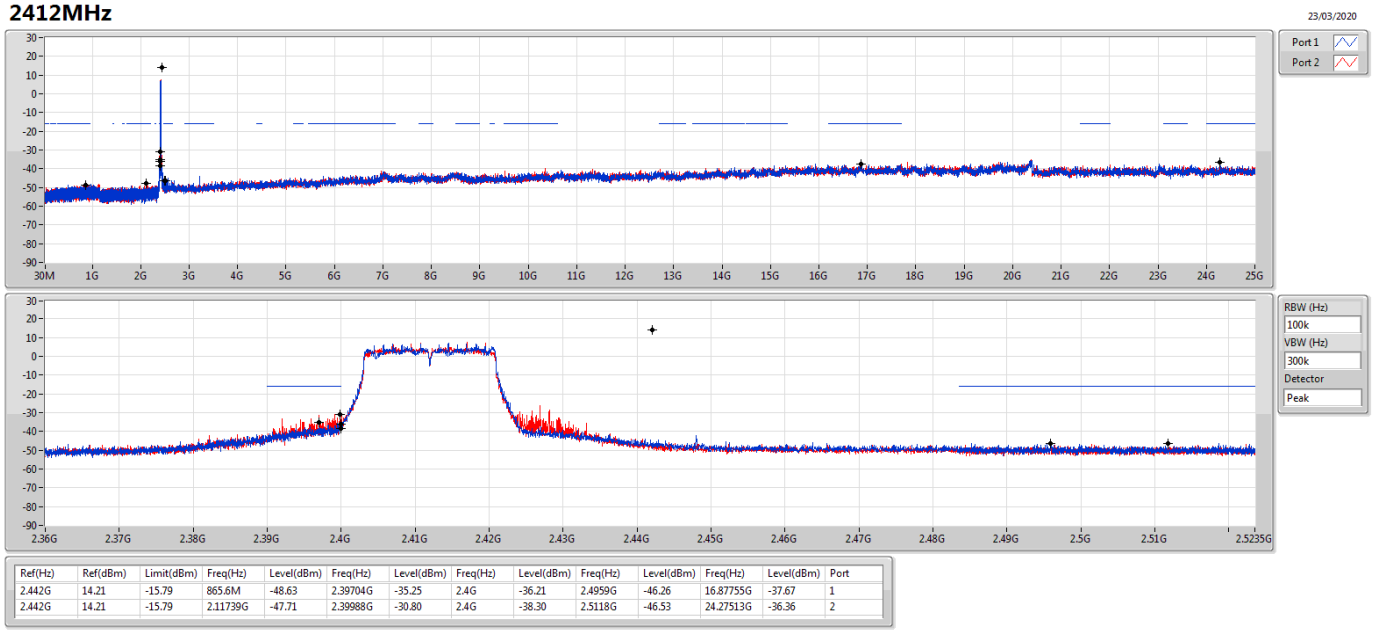
2462MHz



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
2.43753G	15.39	-14.61	654.44M	-47.96	2.39482G	-47.46	2.4835G	-43.54	2.4836G	-41.08	24.11499G	-37.42	1
2.43753G	15.39	-14.61	950.35M	-48.79	2.39954G	-47.53	2.4835G	-44.95	2.48386G	-42.12	17.63614G	-36.85	2

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

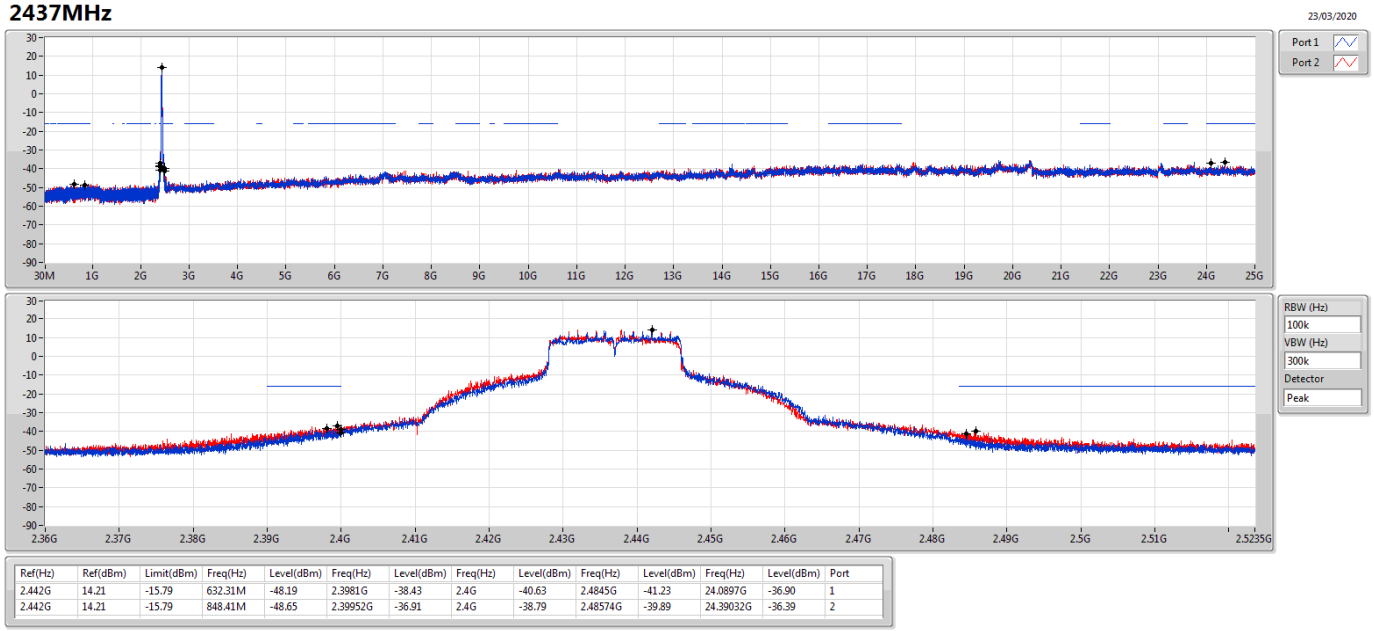
2412MHz



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
2.442G	14.21	-15.79	865.6M	-48.63	2.39704G	-35.25	2.4G	-36.21	2.4959G	-46.26	16.87755G	-37.67	1
2.442G	14.21	-15.79	2.11739G	-47.71	2.39988G	-30.80	2.4G	-38.30	2.5118G	-46.53	24.27513G	-36.36	2

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

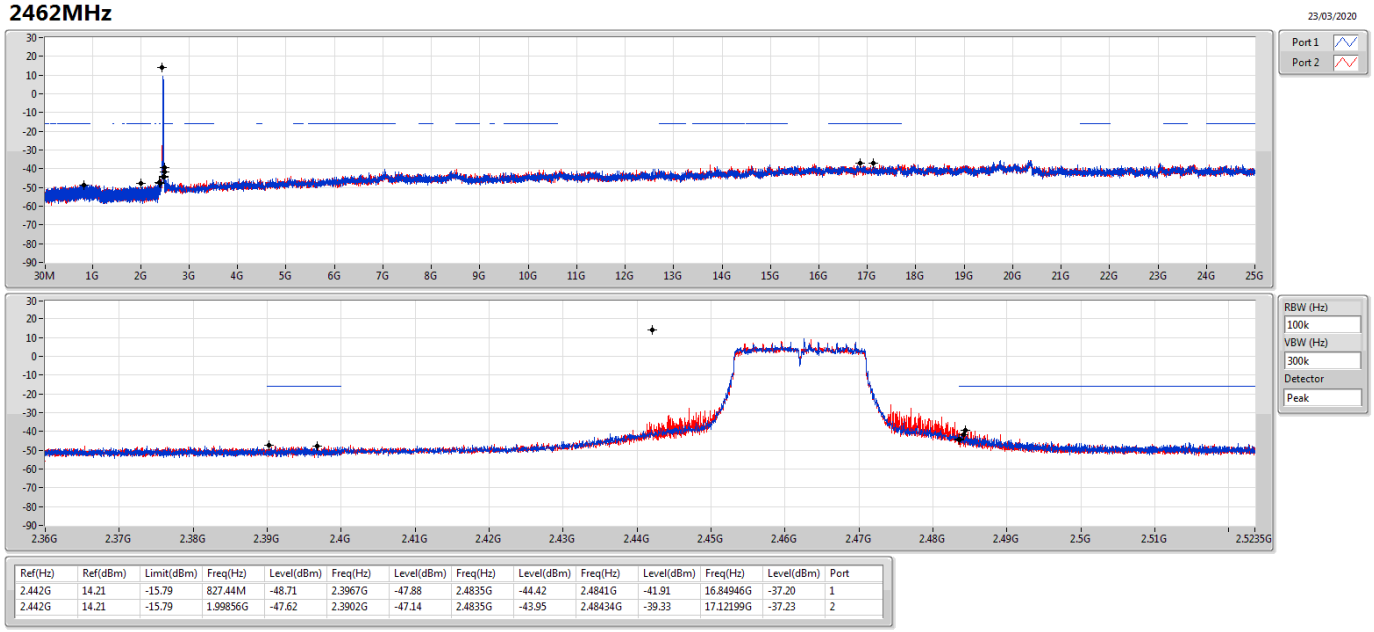
2437MHz



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
2.442G	14.21	-15.79	632.31M	-48.19	2.3981G	-38.43	2.4G	-40.63	2.4845G	-41.23	24.0897G	-36.90	1
2.442G	14.21	-15.79	848.41M	-48.65	2.39952G	-36.91	2.4G	-38.79	2.48574G	-39.89	24.39032G	-36.39	2

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

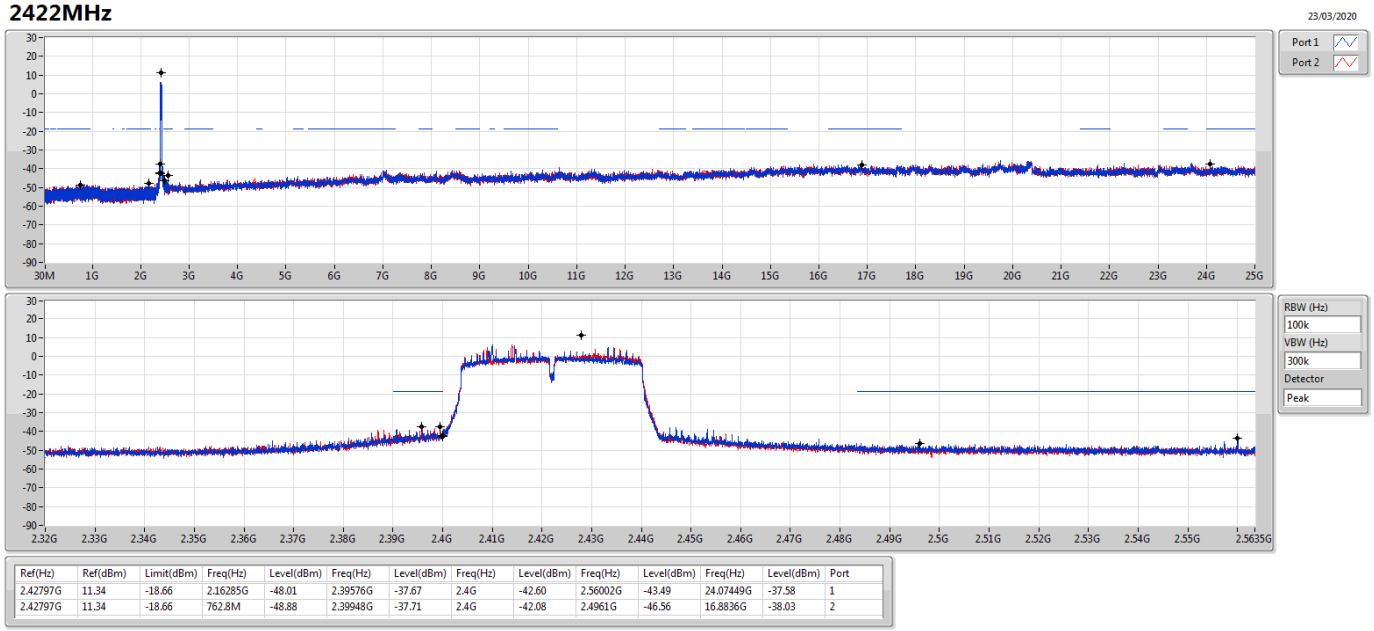
2462MHz



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
2.442G	14.21	-15.79	827.44M	-48.71	2.3967G	-47.88	2.4835G	-44.42	2.4841G	-41.91	16.84946G	-37.20	1
2.442G	14.21	-15.79	1.99856G	-47.62	2.3902G	-47.14	2.4835G	-43.95	2.48434G	-39.33	17.12199G	-37.23	2

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

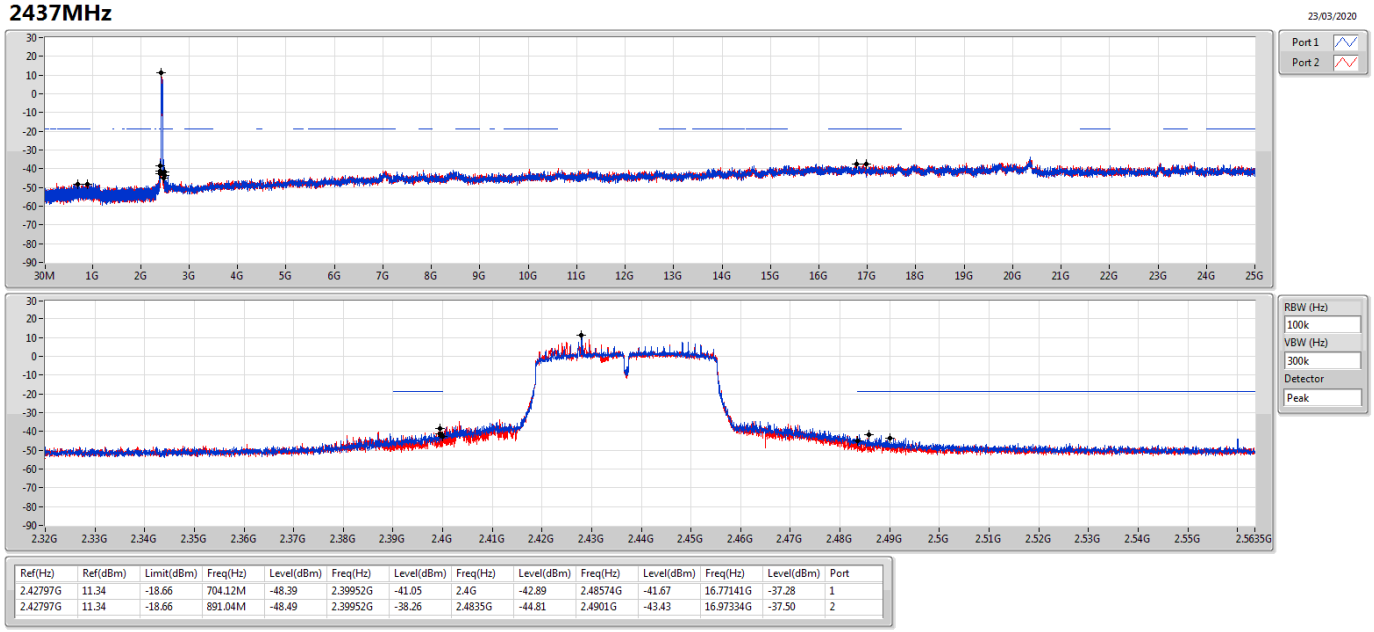
2422MHz



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
2.42797G	11.34	-18.66	2.16285G	-48.01	2.39576G	-37.67	2.4G	-42.60	2.56002G	-43.49	24.07449G	-37.58	1
2.42797G	11.34	-18.66	762.8M	-48.88	2.39948G	-37.71	2.4G	-42.08	2.4961G	-46.56	16.8836G	-38.03	2

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

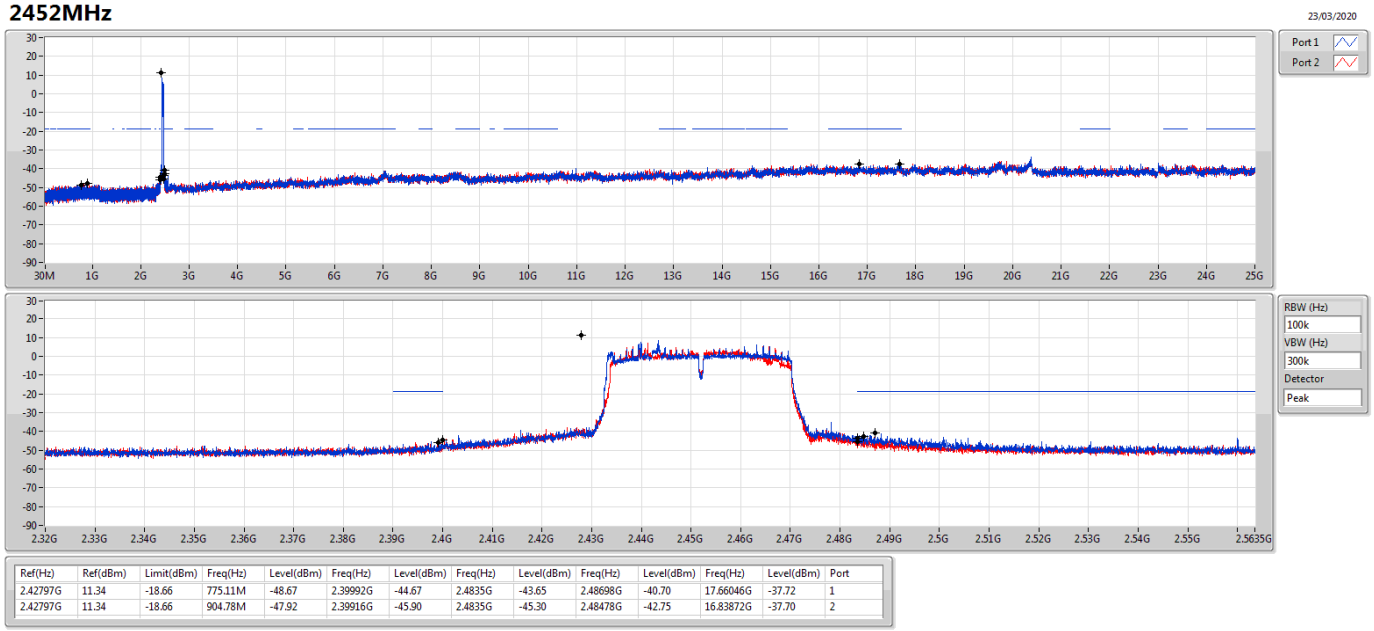
2437MHz



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
2.42797G	11.34	-18.66	704.12M	-48.39	2.39952G	-41.05	2.4G	-42.89	2.48574G	-41.67	16.77141G	-37.28	1
2.42797G	11.34	-18.66	891.04M	-48.49	2.39952G	-38.26	2.4835G	-44.81	2.4901G	-43.43	16.97334G	-37.50	2

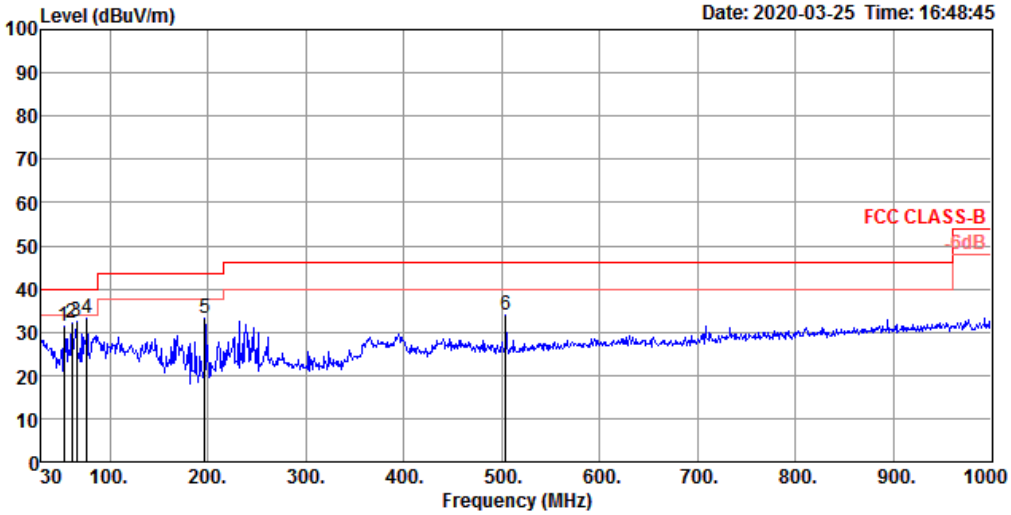
VHT40-BF_Nss1,(MCS0)_2TX **CSE NdB**

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
2.42797G	11.34	-18.66	775.11M	-48.67	2.39992G	-44.67	2.4835G	-43.65	2.48698G	-40.70	17.66046G	-37.72	1
2.42797G	11.34	-18.66	904.78M	-47.92	2.39916G	-45.90	2.4835G	-45.30	2.48478G	-42.75	16.83872G	-37.70	2

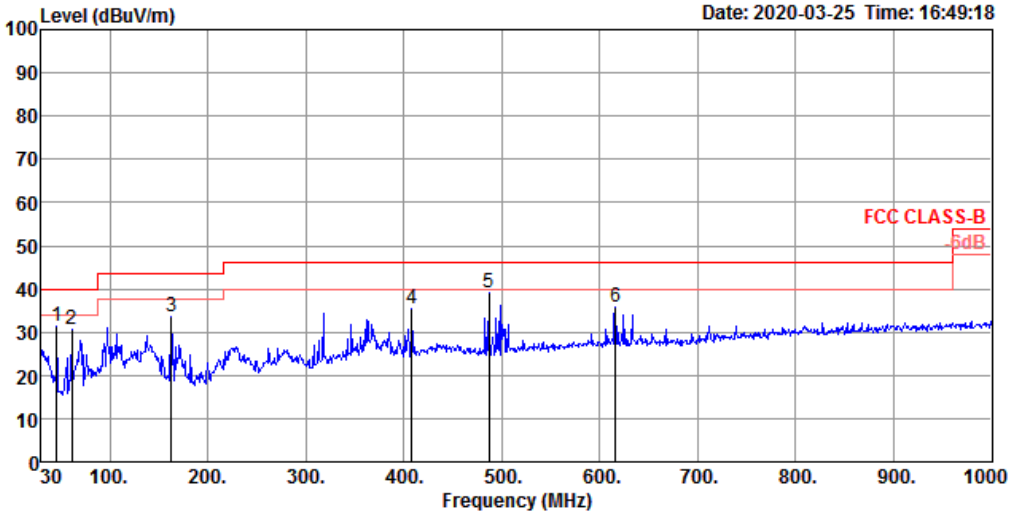
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	53.28	31.24	40.00	-8.76	48.06	0.92	14.04	31.78	100	191	Peak	VERTICAL
2	61.04	32.25	40.00	-7.75	50.50	1.00	12.60	31.85	200	94	Peak	VERTICAL
3	65.89	32.44	40.00	-7.56	50.71	1.00	12.60	31.87	100	196	Peak	VERTICAL
4	76.56	33.03	40.00	-6.97	50.70	1.14	13.06	31.87	125	233	Peak	VERTICAL
5	196.84	33.26	43.50	-10.24	47.51	1.73	15.97	31.95	100	108	Peak	VERTICAL
6	504.33	33.87	46.00	-12.13	39.50	2.95	23.89	32.47	100	102	Peak	VERTICAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	CTX		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	45.52	31.46	40.00	-8.54	45.39	0.90	16.78	31.61	125	32	Peak	HORIZONTAL
2	61.04	30.49	40.00	-9.51	48.74	1.00	12.60	31.85	300	273	Peak	HORIZONTAL
3	162.89	33.42	43.50	-10.08	47.28	1.62	16.36	31.84	100	102	Peak	HORIZONTAL
4	408.30	35.36	46.00	-10.64	42.38	2.60	22.59	32.21	100	236	Peak	HORIZONTAL
5	486.87	39.23	46.00	-6.77	45.17	2.89	23.61	32.44	300	113	Peak	HORIZONTAL
6	615.88	35.67	46.00	-10.33	39.65	3.29	25.11	32.38	100	248	Peak	HORIZONTAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

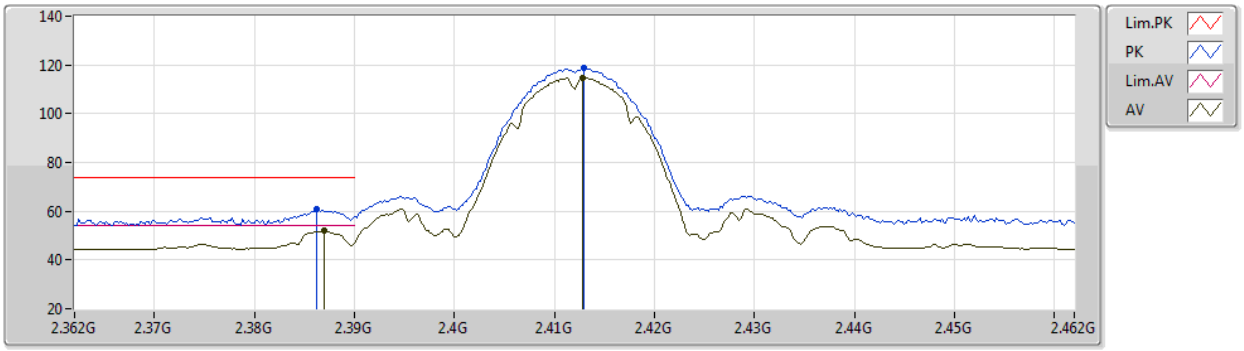
Summary

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	2.4835G	52.98	54.00	-1.02	3	Vertical	217	1.99	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/03/2020



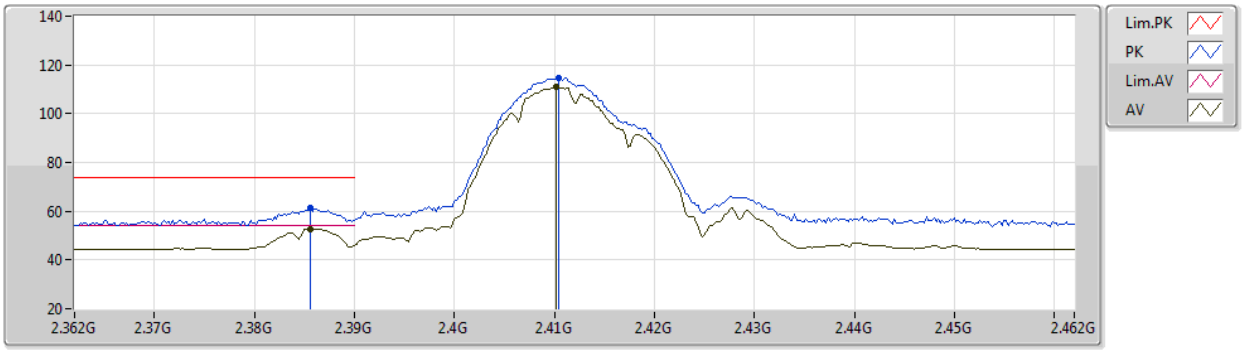
EUT Y_2TX
Setting 23.5
06-F-C-5
XA07 2nd confirm

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	2.3862G	60.64	74.00	-13.36	29.01	3	Vertical	214	2.05	-	27.64	3.99	-
AV	2.387G	51.86	54.00	-2.14	20.23	3	Vertical	214	2.05	-	27.64	3.99	-
PK	2.413G	118.83	Inf	-Inf	87.26	3	Vertical	214	2.05	-	27.56	4.01	-
AV	2.4128G	114.79	Inf	-Inf	83.22	3	Vertical	214	2.05	-	27.56	4.01	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/03/2020



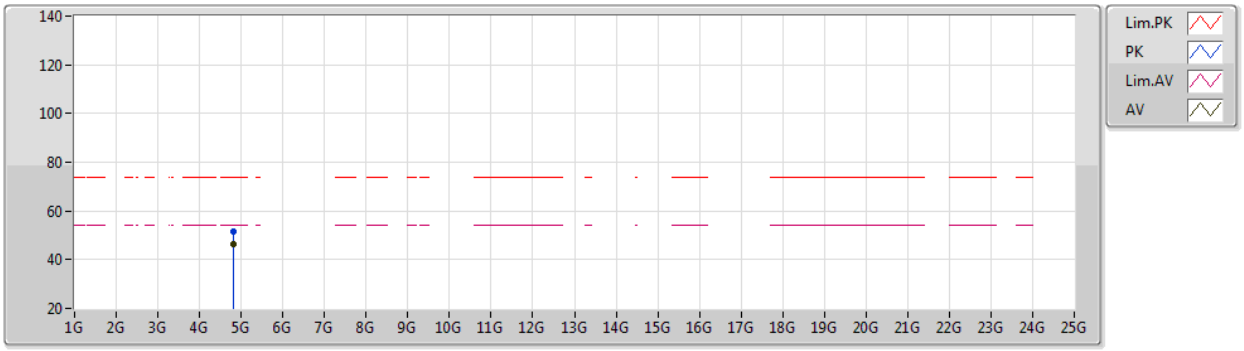
EUT Y_2TX
Setting 23.5
06-F-C-5
XA07 2nd confirm

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	2.3856G	61.30	74.00	-12.70	29.67	3	Horizontal	355	1.80	-	27.64	3.99	-
AV	2.3856G	52.82	54.00	-1.18	21.19	3	Horizontal	355	1.80	-	27.64	3.99	-
PK	2.4104G	114.51	Inf	-Inf	82.93	3	Horizontal	355	1.80	-	27.57	4.01	-
AV	2.4102G	110.87	Inf	-Inf	79.29	3	Horizontal	355	1.80	-	27.57	4.01	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/03/2020



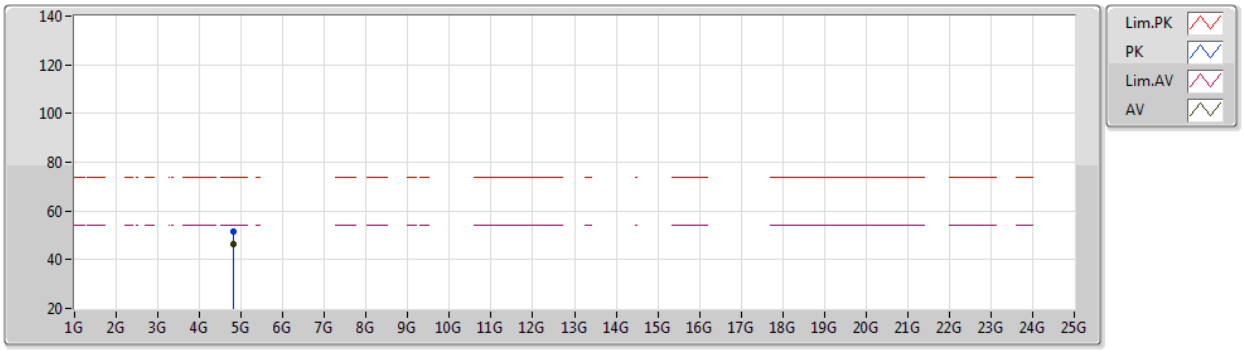
EUT Y_2TX
Setting 23.5
06-F-C-5
XA07 2nd confirm

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	51.63	74.00	-22.37	46.95	3	Vertical	8	1.66	-	31.02	5.33	31.67
AV	4.82398G	46.47	54.00	-7.53	41.79	3	Vertical	8	1.66	-	31.02	5.33	31.67

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

13/03/2020



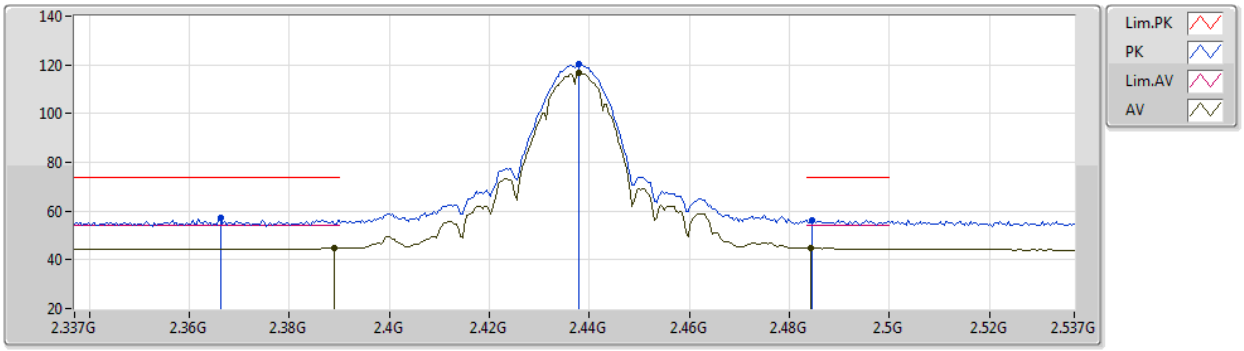
EUT Y_2TX
Setting 23.5
06-F-C-5
XA07 2nd confirm

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	4.82396G	51.46	74.00	-22.54	46.78	3	Horizontal	330	1.82	-	31.02	5.33	31.67
AV	4.82399G	46.57	54.00	-7.43	41.89	3	Horizontal	330	1.82	-	31.02	5.33	31.67

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/03/2020



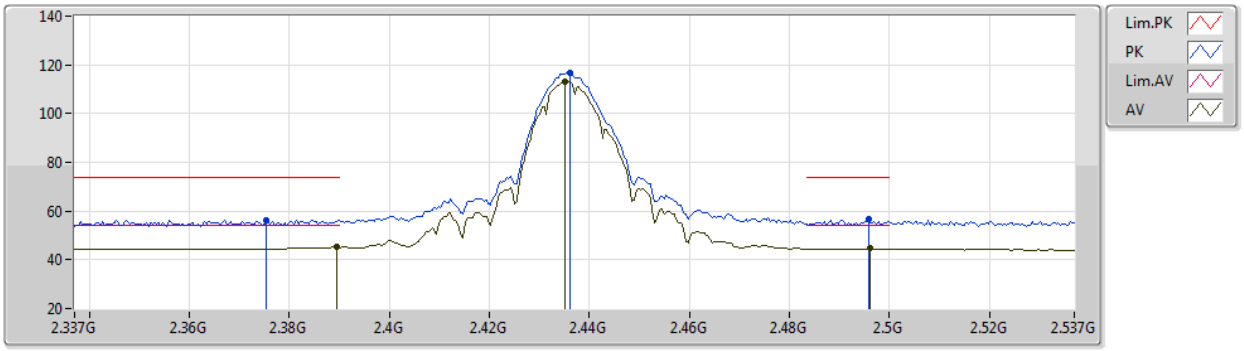
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	2.3662G	57.09	74.00	-16.91	25.41	3	Vertical	222	2.16	-	27.70	3.98	-
AV	2.389G	44.71	54.00	-9.29	13.09	3	Vertical	222	2.16	-	27.63	3.99	-
PK	2.4378G	120.44	Inf	-Inf	88.93	3	Vertical	222	2.16	-	27.49	4.02	-
AV	2.4378G	116.47	Inf	-Inf	84.96	3	Vertical	222	2.16	-	27.49	4.02	-
PK	2.4846G	56.36	74.00	-17.64	24.97	3	Vertical	222	2.16	-	27.35	4.04	-
AV	2.4842G	45.08	54.00	-8.92	13.69	3	Vertical	222	2.16	-	27.35	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/03/2020



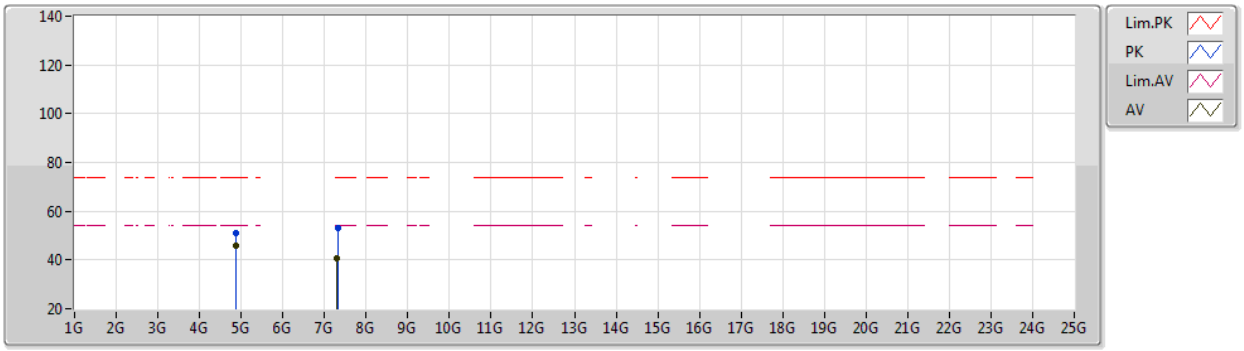
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	2.3754G	56.36	74.00	-17.64	24.70	3	Horizontal	360	2.14	-	27.67	3.99	-
AV	2.3894G	45.16	54.00	-8.84	13.54	3	Horizontal	360	2.14	-	27.63	3.99	-
PK	2.4362G	116.82	Inf	-Inf	85.31	3	Horizontal	360	2.14	-	27.49	4.02	-
AV	2.435G	113.04	Inf	-Inf	81.52	3	Horizontal	360	2.14	-	27.50	4.02	-
PK	2.4958G	56.52	74.00	-17.48	25.16	3	Horizontal	360	2.14	-	27.31	4.05	-
AV	2.4962G	44.97	54.00	-9.03	13.61	3	Horizontal	360	2.14	-	27.31	4.05	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/03/2020



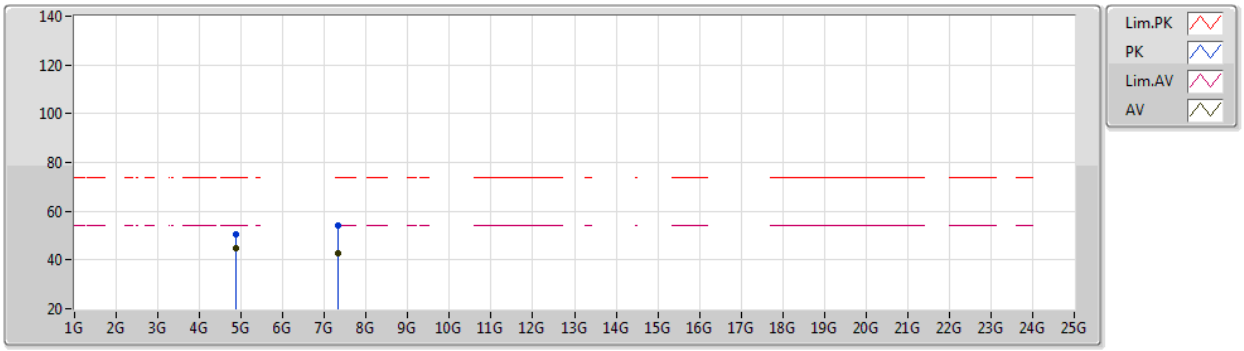
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	51.13	74.00	-22.87	46.30	3	Vertical	28	1.75	-	31.07	5.40	31.64
AV	4.87401G	46.12	54.00	-7.88	41.29	3	Vertical	28	1.75	-	31.07	5.40	31.64
PK	7.3107G	53.24	74.00	-20.76	42.80	3	Vertical	142	1.94	-	36.40	6.96	32.92
AV	7.3102G	40.88	54.00	-13.12	30.44	3	Vertical	142	1.94	-	36.40	6.96	32.92

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

13/03/2020



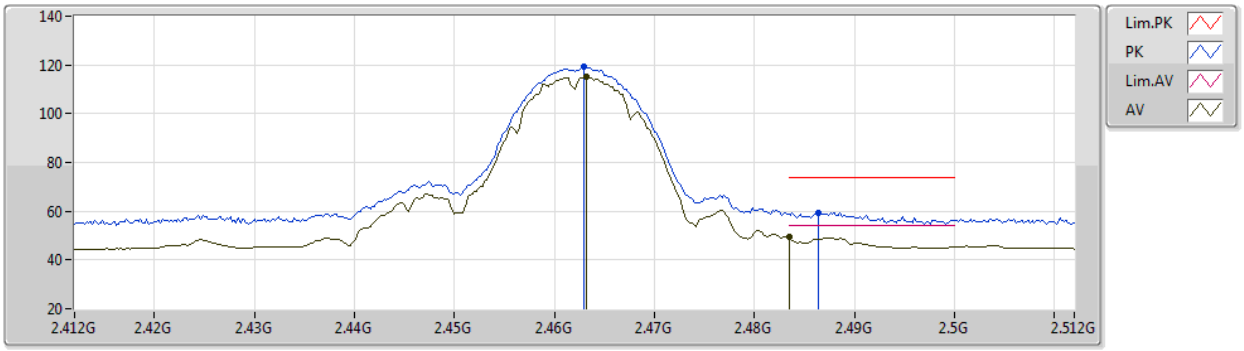
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	4.87385G	50.39	74.00	-23.61	45.56	3	Horizontal	241	1.80	-	31.07	5.40	31.64
AV	4.87398G	45.03	54.00	-8.97	40.20	3	Horizontal	241	1.80	-	31.07	5.40	31.64
PK	7.3125G	54.13	74.00	-19.87	43.69	3	Horizontal	321	2.39	-	36.40	6.96	32.92
AV	7.3121G	42.86	54.00	-11.14	32.42	3	Horizontal	321	2.39	-	36.40	6.96	32.92

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/03/2020



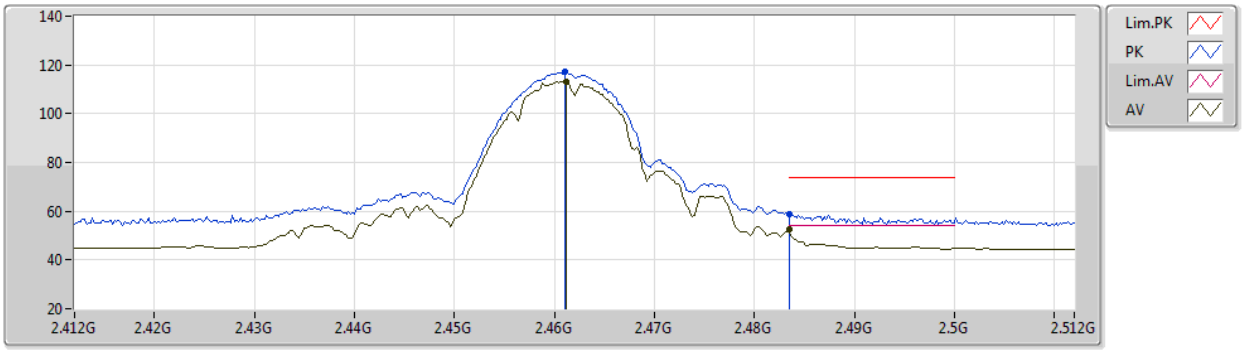
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	2.463G	119.20	Inf	-Inf	87.76	3	Vertical	214	2.05	-	27.41	4.03	-
AV	2.4632G	115.04	Inf	-Inf	83.60	3	Vertical	214	2.05	-	27.41	4.03	-
PK	2.4864G	59.33	74.00	-14.67	27.95	3	Vertical	214	2.05	-	27.34	4.04	-
AV	2.4835G	49.39	54.00	-4.61	18.00	3	Vertical	214	2.05	-	27.35	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/03/2020



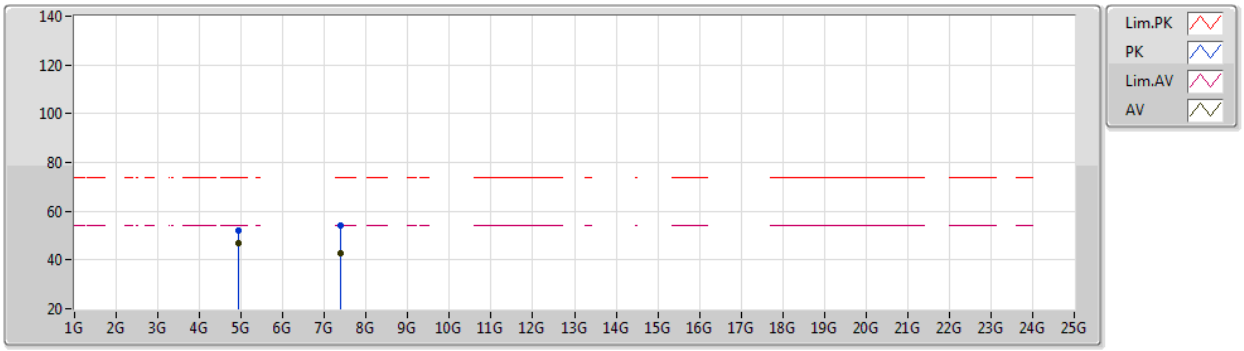
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	117.10	Inf	-Inf	85.65	3	Horizontal	351	1.47	-	27.42	4.03	-
AV	2.4612G	113.16	Inf	-Inf	81.71	3	Horizontal	351	1.47	-	27.42	4.03	-
PK	2.4835G	59.04	74.00	-14.96	27.65	3	Horizontal	351	1.47	-	27.35	4.04	-
AV	2.4835G	52.77	54.00	-1.23	21.38	3	Horizontal	351	1.47	-	27.35	4.04	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/03/2020



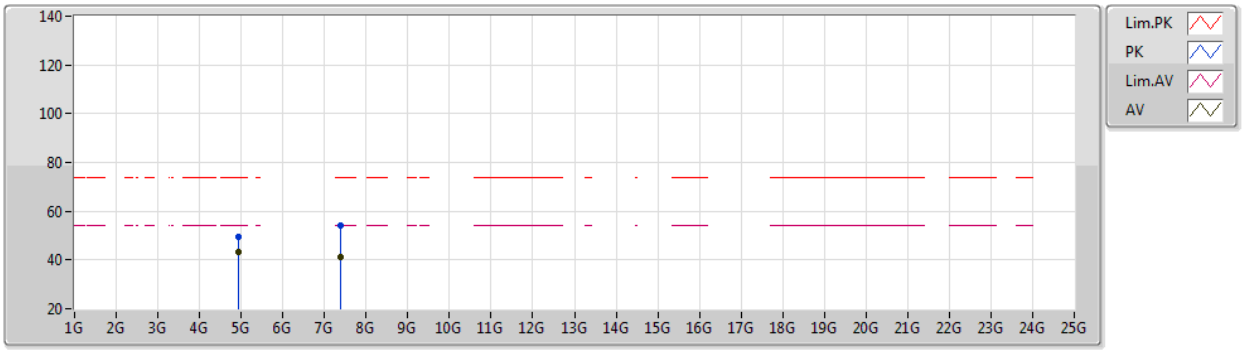
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	4.92404G	51.92	74.00	-22.08	46.85	3	Vertical	218	1.04	-	31.20	5.48	31.61
AV	4.924G	46.87	54.00	-7.13	41.80	3	Vertical	218	1.04	-	31.20	5.48	31.61
PK	7.38424G	54.16	74.00	-19.84	43.73	3	Vertical	181	1.89	-	36.40	6.99	32.96
AV	7.38488G	42.93	54.00	-11.07	32.50	3	Vertical	181	1.89	-	36.40	6.99	32.96

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

13/03/2020



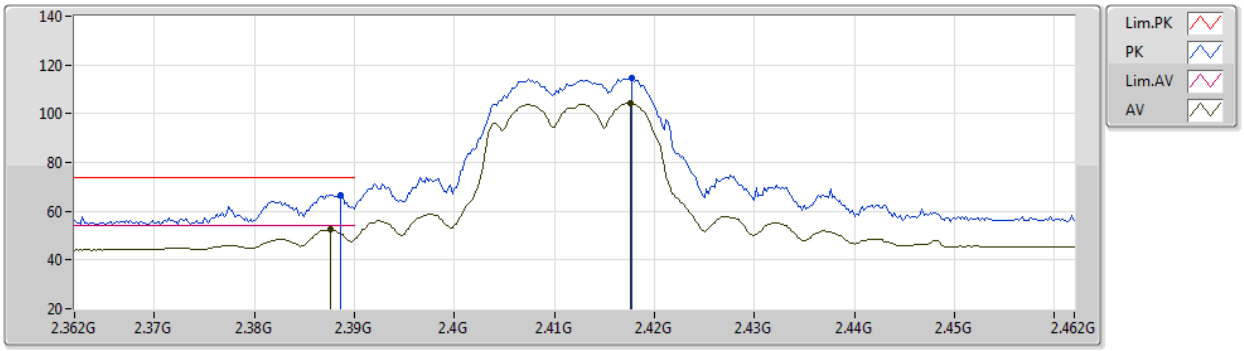
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	4.92391G	49.63	74.00	-24.37	44.56	3	Horizontal	51	1.03	-	31.20	5.48	31.61
AV	4.92399G	43.25	54.00	-10.75	38.18	3	Horizontal	51	1.03	-	31.20	5.48	31.61
PK	7.38762G	53.94	74.00	-20.06	43.51	3	Horizontal	40	1.95	-	36.40	6.99	32.96
AV	7.38754G	41.10	54.00	-12.90	30.67	3	Horizontal	40	1.95	-	36.40	6.99	32.96

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

19/03/2020



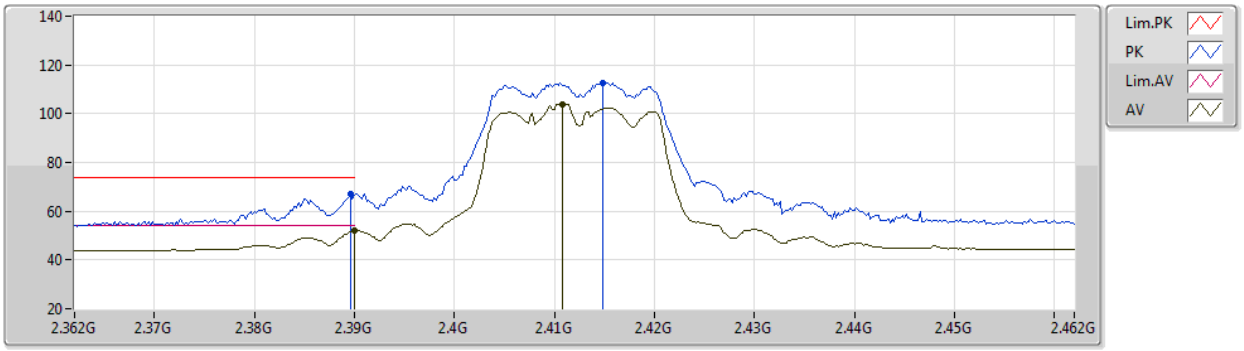
EUT Y_2TX
Setting 19
03-A-A-3

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	2.3886G	66.70	74.00	-7.30	34.69	3	Vertical	209	2.11	-	28.28	3.73	-
AV	2.3876G	52.75	54.00	-1.25	20.74	3	Vertical	209	2.11	-	28.28	3.73	-
PK	2.4178G	114.60	Inf	-Inf	82.50	3	Vertical	209	2.11	-	28.35	3.75	-
AV	2.4176G	104.43	Inf	-Inf	72.33	3	Vertical	209	2.11	-	28.35	3.75	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

19/03/2020



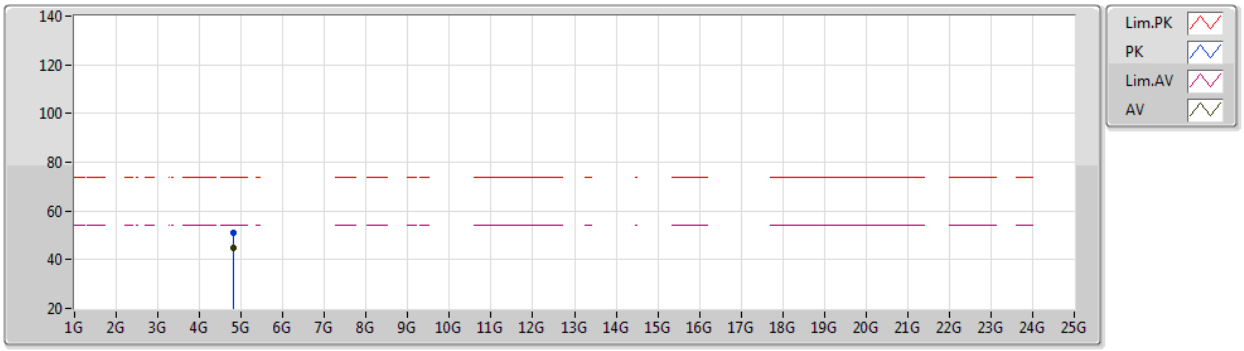
EUT Y_2TX
Setting 19
03-A-A-3

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	66.96	74.00	-7.04	34.95	3	Horizontal	356	1.80	-	28.28	3.73	-
AV	2.39G	52.07	54.00	-1.93	20.06	3	Horizontal	356	1.80	-	28.28	3.73	-
PK	2.4148G	112.73	Inf	-Inf	80.64	3	Horizontal	356	1.80	-	28.34	3.75	-
AV	2.4108G	103.84	Inf	-Inf	71.76	3	Horizontal	356	1.80	-	28.33	3.75	-

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

19/03/2020



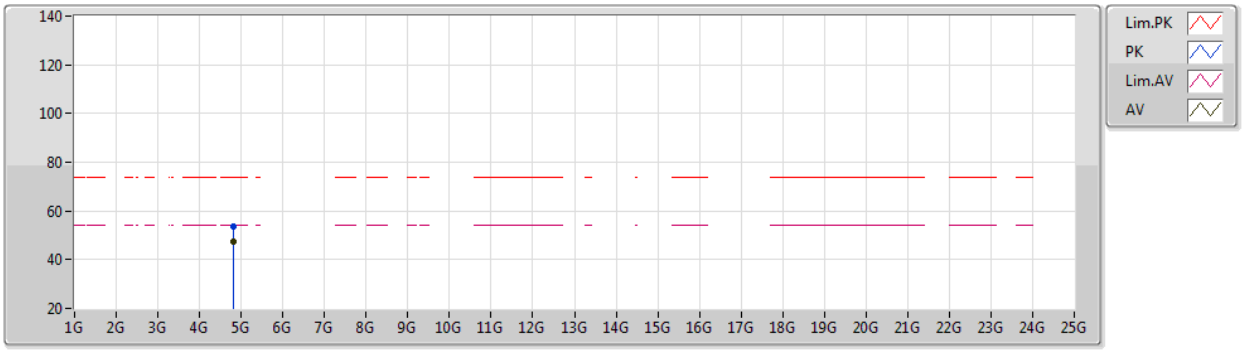
EUT Y_2TX
Setting 19
03-A-J-5

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	51.25	74.00	-22.75	45.95	3	Vertical	10	2.53	-	33.55	6.57	34.82
AV	4.82406G	44.57	54.00	-9.43	39.27	3	Vertical	10	2.53	-	33.55	6.57	34.82

802.11g-BF_Nss1,(6Mbps)_2TX

2412MHz_TX

19/03/2020



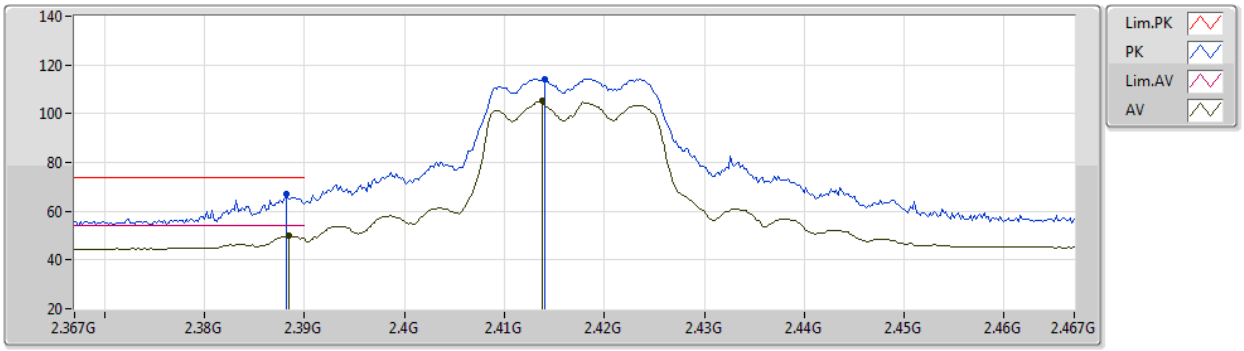
EUT Y_2TX
Setting 19
03-A-J-5

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	4.82412G	53.49	74.00	-20.51	48.19	3	Horizontal	327	2.21	-	33.55	6.57	34.82
AV	4.82402G	47.19	54.00	-6.81	41.89	3	Horizontal	327	2.21	-	33.55	6.57	34.82

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

13/03/2020



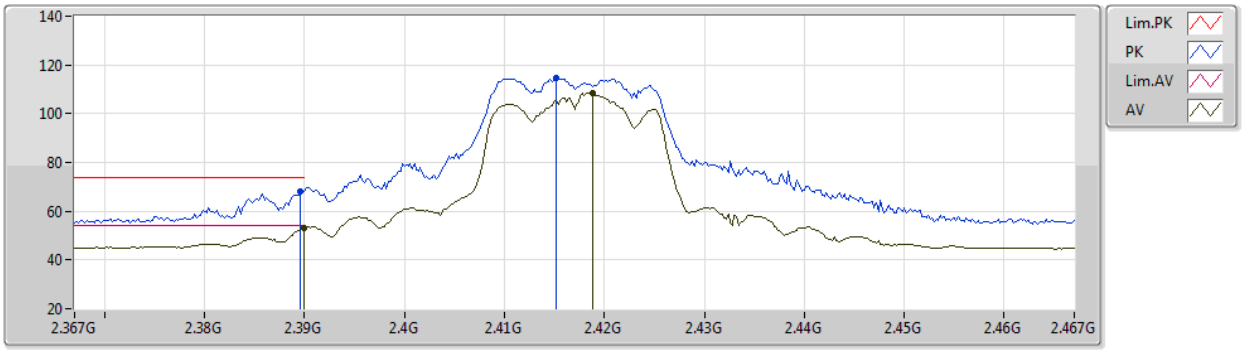
EUT Y_2TX
Setting 20.5
06-F-C-5
XA07 2nd confirm

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	2.3882G	67.03	74.00	-6.97	35.40	3	Vertical	255	1.87	-	27.64	3.99	-
AV	2.3884G	49.76	54.00	-4.24	18.14	3	Vertical	255	1.87	-	27.63	3.99	-
PK	2.414G	114.38	Inf	-Inf	82.81	3	Vertical	255	1.87	-	27.56	4.01	-
AV	2.4138G	105.58	Inf	-Inf	74.01	3	Vertical	255	1.87	-	27.56	4.01	-

802.11g-BF_Nss1,(6Mbps)_2TX

2417MHz_TX

13/03/2020



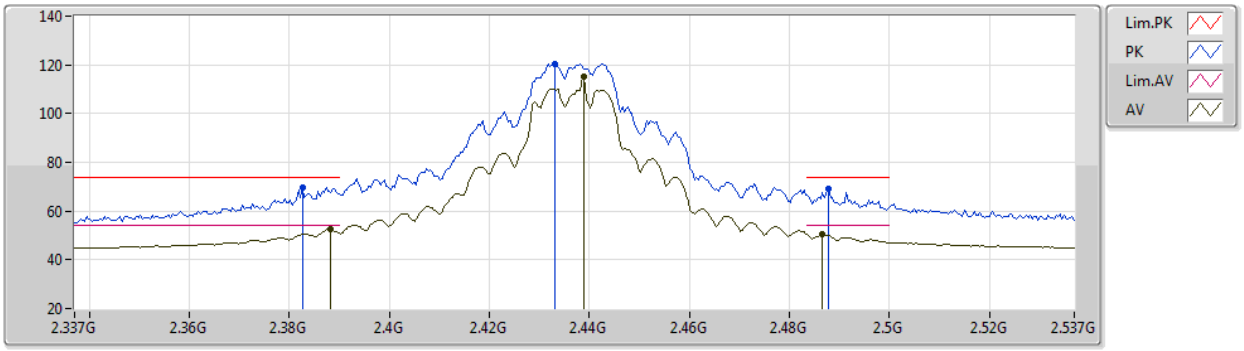
EUT Y_2TX
Setting 20.5
06-F-C-5
XA07 2nd confirm

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	68.09	74.00	-5.91	36.47	3	Horizontal	359	2.33	-	27.63	3.99	-
AV	2.39G	52.88	54.00	-1.12	21.25	3	Horizontal	359	2.33	-	27.63	4.00	-
PK	2.4152G	114.66	Inf	-Inf	83.10	3	Horizontal	359	2.33	-	27.55	4.01	-
AV	2.4188G	108.39	Inf	-Inf	76.84	3	Horizontal	359	2.33	-	27.54	4.01	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/03/2020



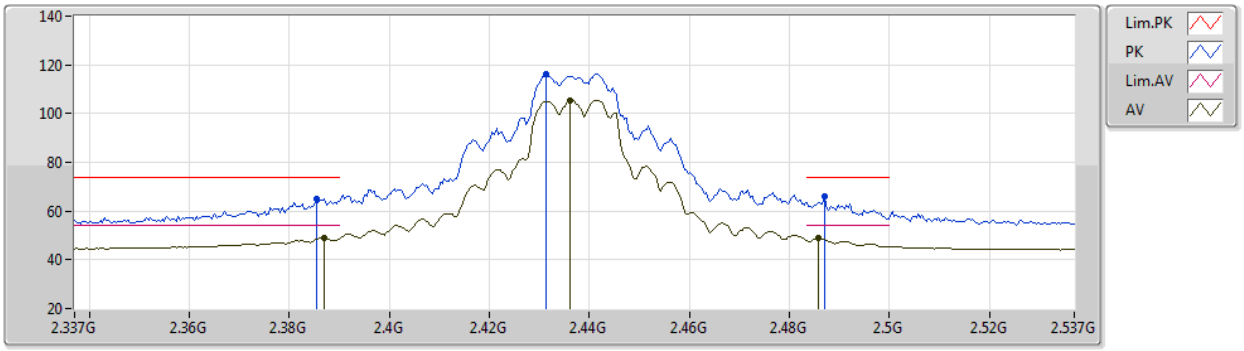
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	2.3826G	69.80	74.00	-4.20	38.16	3	Vertical	210	2.47	-	27.65	3.99	-
AV	2.3882G	52.82	54.00	-1.18	21.19	3	Vertical	210	2.47	-	27.64	3.99	-
PK	2.433G	120.47	Inf	-Inf	88.95	3	Vertical	210	2.47	-	27.50	4.02	-
AV	2.439G	115.37	Inf	-Inf	83.87	3	Vertical	210	2.47	-	27.48	4.02	-
PK	2.4878G	69.38	74.00	-4.62	38.00	3	Vertical	210	2.47	-	27.34	4.04	-
AV	2.4866G	50.55	54.00	-3.45	19.17	3	Vertical	210	2.47	-	27.34	4.04	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/03/2020



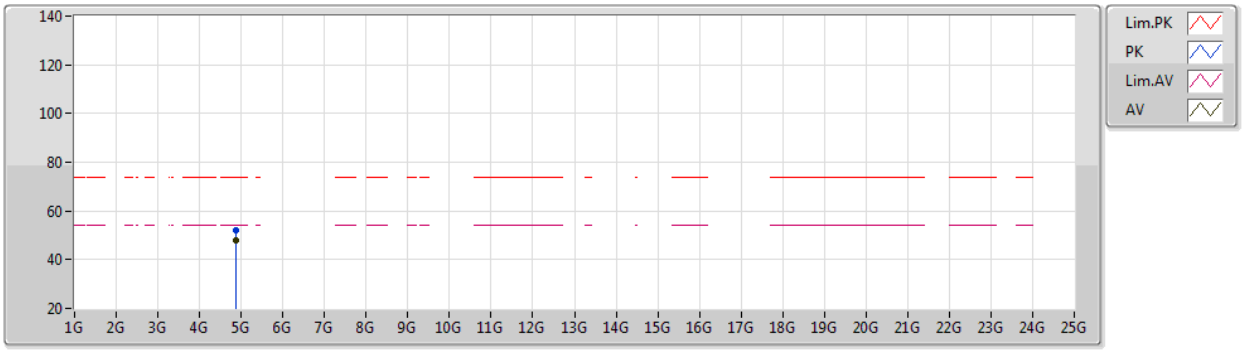
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	2.3854G	65.18	74.00	-8.82	33.55	3	Horizontal	342	1.43	-	27.64	3.99	-
AV	2.387G	48.75	54.00	-5.25	17.12	3	Horizontal	342	1.43	-	27.64	3.99	-
PK	2.4314G	116.45	Inf	-Inf	84.92	3	Horizontal	342	1.43	-	27.51	4.02	-
AV	2.4362G	105.45	Inf	-Inf	73.94	3	Horizontal	342	1.43	-	27.49	4.02	-
PK	2.487G	66.07	74.00	-7.93	34.69	3	Horizontal	342	1.43	-	27.34	4.04	-
AV	2.4858G	48.73	54.00	-5.27	17.35	3	Horizontal	342	1.43	-	27.34	4.04	-

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/03/2020



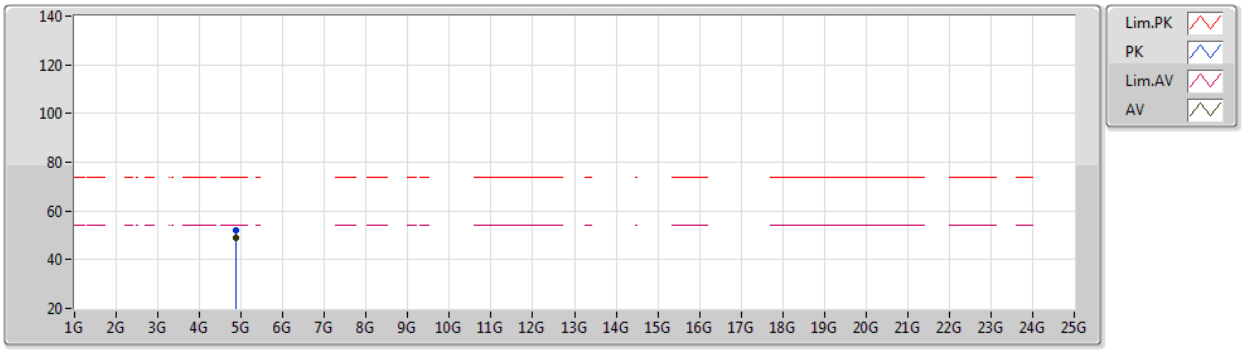
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	4.8739G	52.16	74.00	-21.84	47.33	3	Vertical	21	2.18	-	31.07	5.40	31.64
AV	4.87403G	47.87	54.00	-6.13	43.04	3	Vertical	21	2.18	-	31.07	5.40	31.64

802.11g-BF_Nss1,(6Mbps)_2TX

2437MHz_TX

13/03/2020



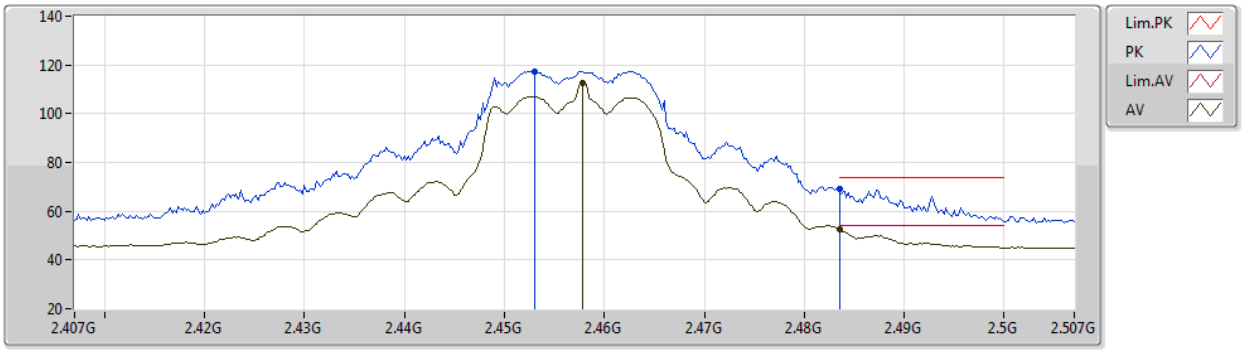
EUT Y_2TX
Setting 24.5
06-F-C-5
XA07 2nd confirm

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	52.31	74.00	-21.69	47.48	3	Horizontal	335	2.07	-	31.07	5.40	31.64
AV	4.87404G	48.76	54.00	-5.24	43.93	3	Horizontal	335	2.07	-	31.07	5.40	31.64

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

13/03/2020



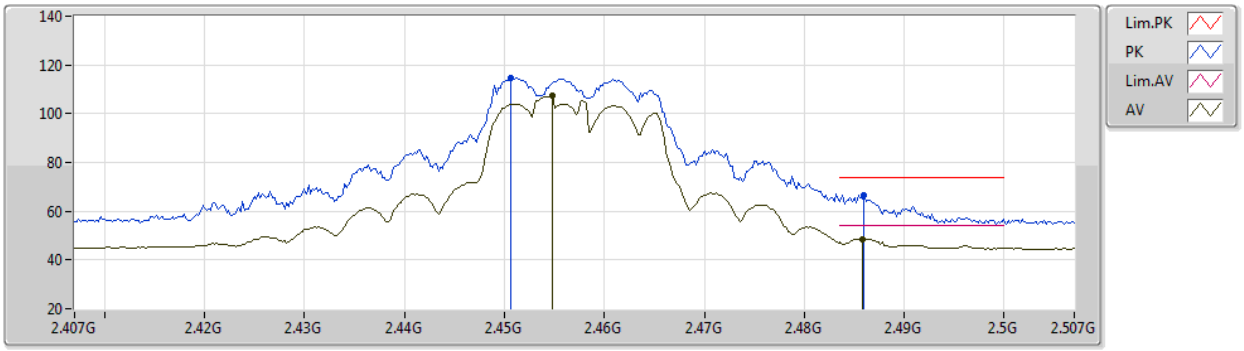
EUT Y_2TX
Setting 21.5
06-F-C-5
XA07 2nd confirm

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	2.453G	117.48	Inf	-Inf	86.01	3	Vertical	220	2.44	-	27.44	4.03	-
AV	2.4578G	112.44	Inf	-Inf	80.98	3	Vertical	220	2.44	-	27.43	4.03	-
PK	2.4835G	69.36	74.00	-4.64	37.97	3	Vertical	220	2.44	-	27.35	4.04	-
AV	2.4835G	52.57	54.00	-1.43	21.18	3	Vertical	220	2.44	-	27.35	4.04	-

802.11g-BF_Nss1,(6Mbps)_2TX

2457MHz_TX

13/03/2020



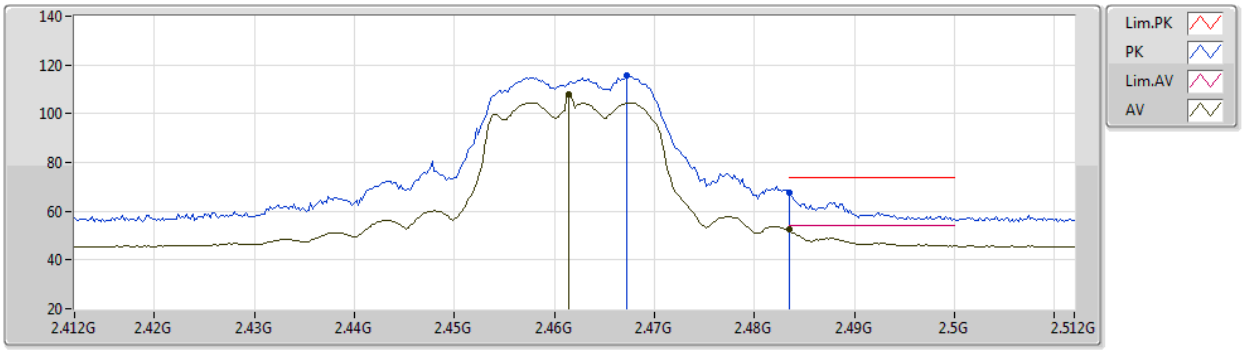
EUT Y_2TX
Setting 21.5
06-F-C-5
XA07 2nd confirm

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	2.4506G	114.58	Inf	-Inf	83.10	3	Horizontal	360	2.68	-	27.45	4.03	-
AV	2.4548G	107.40	Inf	-Inf	75.93	3	Horizontal	360	2.68	-	27.44	4.03	-
PK	2.486G	66.56	74.00	-7.44	35.18	3	Horizontal	360	2.68	-	27.34	4.04	-
AV	2.4858G	48.48	54.00	-5.52	17.10	3	Horizontal	360	2.68	-	27.34	4.04	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/03/2020



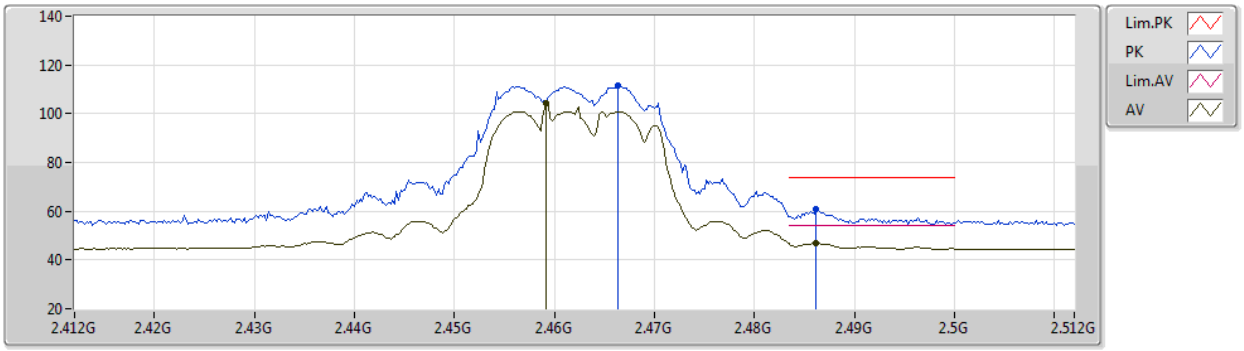
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	2.4672G	115.44	Inf	-Inf	84.01	3	Vertical	207	2.28	-	27.40	4.03	-
AV	2.4614G	108.10	Inf	-Inf	76.65	3	Vertical	207	2.28	-	27.42	4.03	-
PK	2.4835G	67.50	74.00	-6.50	36.11	3	Vertical	207	2.28	-	27.35	4.04	-
AV	2.4835G	52.68	54.00	-1.32	21.29	3	Vertical	207	2.28	-	27.35	4.04	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/03/2020



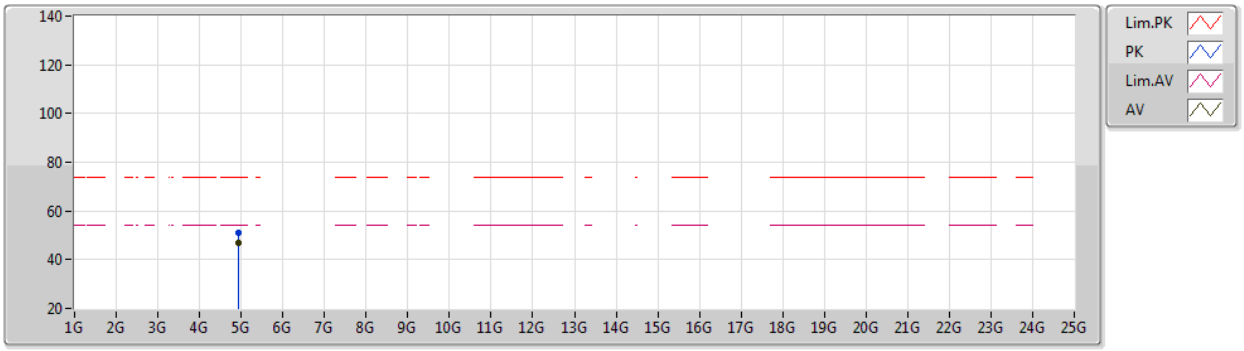
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	2.4664G	111.40	Inf	-Inf	79.97	3	Horizontal	353	2.60	-	27.40	4.03	-
AV	2.4592G	104.07	Inf	-Inf	72.62	3	Horizontal	353	2.60	-	27.42	4.03	-
PK	2.4862G	60.78	74.00	-13.22	29.40	3	Horizontal	353	2.60	-	27.34	4.04	-
AV	2.4862G	46.75	54.00	-7.25	15.37	3	Horizontal	353	2.60	-	27.34	4.04	-

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/03/2020



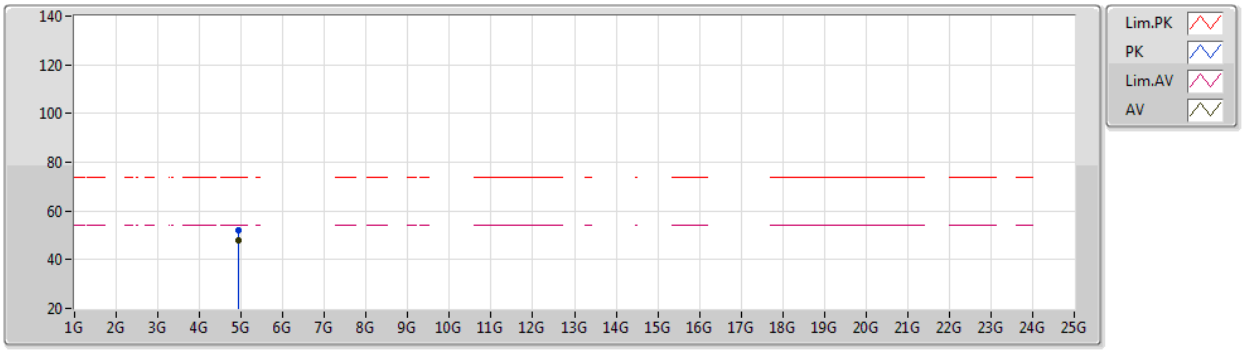
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	4.92405G	51.06	74.00	-22.94	45.99	3	Vertical	21	2.31	-	31.20	5.48	31.61
AV	4.92401G	46.98	54.00	-7.02	41.91	3	Vertical	21	2.31	-	31.20	5.48	31.61

802.11g-BF_Nss1,(6Mbps)_2TX

2462MHz_TX

13/03/2020



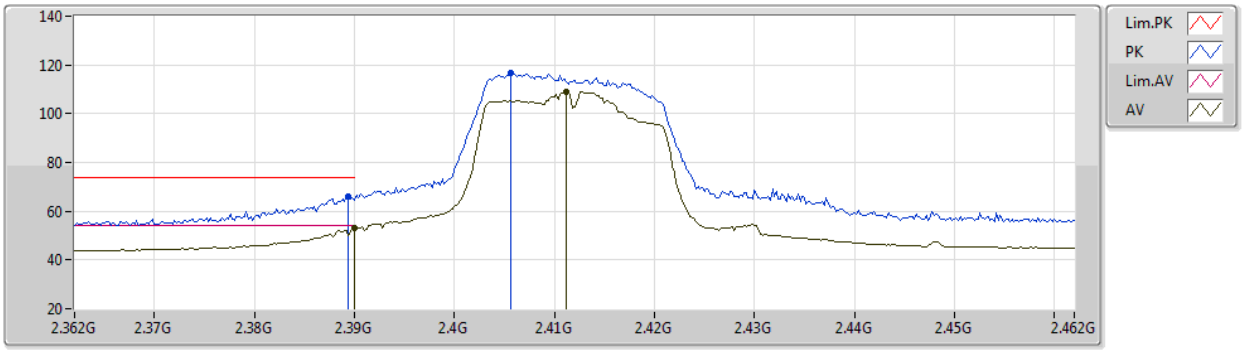
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	4.92402G	52.16	74.00	-21.84	47.09	3	Horizontal	339	2.27	-	31.20	5.48	31.61
AV	4.92401G	48.03	54.00	-5.97	42.96	3	Horizontal	339	2.27	-	31.20	5.48	31.61

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

19/03/2020



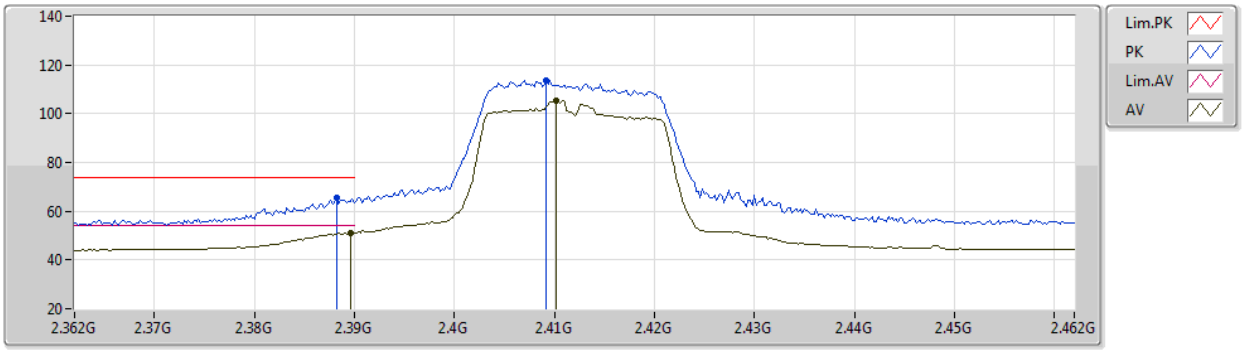
EUT Y_2TX
Setting 18.5
03-A-A-3

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	66.08	74.00	-7.92	34.07	3	Vertical	214	1.98	-	28.28	3.73	-
AV	2.39G	52.96	54.00	-1.04	20.95	3	Vertical	214	1.98	-	28.28	3.73	-
PK	2.4056G	116.48	Inf	-Inf	84.42	3	Vertical	214	1.98	-	28.32	3.74	-
AV	2.4112G	108.99	Inf	-Inf	76.91	3	Vertical	214	1.98	-	28.33	3.75	-

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

19/03/2020



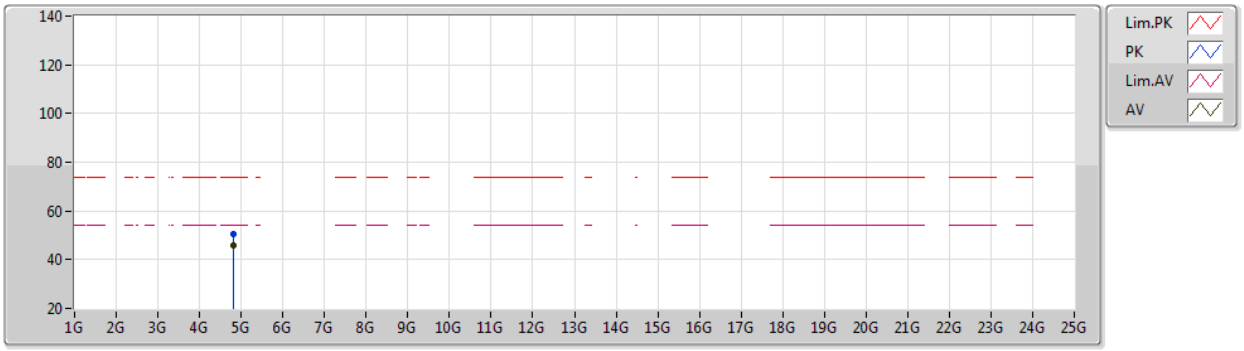
EUT Y_2TX
Setting 18.5
03-A-A-3

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	2.3882G	65.57	74.00	-8.43	33.56	3	Horizontal	346	2.39	-	28.28	3.73	-
AV	2.3896G	51.19	54.00	-2.81	19.18	3	Horizontal	346	2.39	-	28.28	3.73	-
PK	2.4092G	113.48	Inf	-Inf	81.40	3	Horizontal	346	2.39	-	28.33	3.75	-
AV	2.4102G	105.47	Inf	-Inf	73.39	3	Horizontal	346	2.39	-	28.33	3.75	-

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

19/03/2020



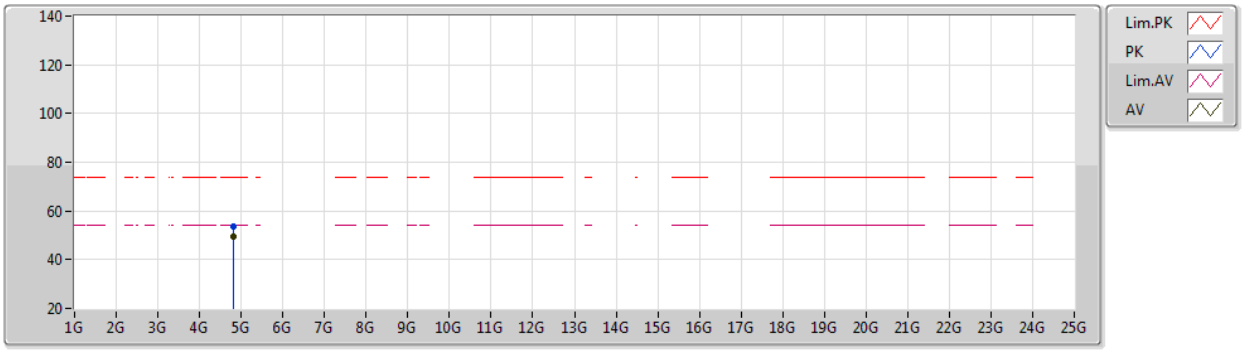
EUT Y_2TX
Setting 18.5
03-A-J-5

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	4.82402G	50.68	74.00	-23.32	45.38	3	Vertical	7	2.38	-	33.55	6.57	34.82
AV	4.82404G	45.82	54.00	-8.18	40.52	3	Vertical	7	2.38	-	33.55	6.57	34.82

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

19/03/2020



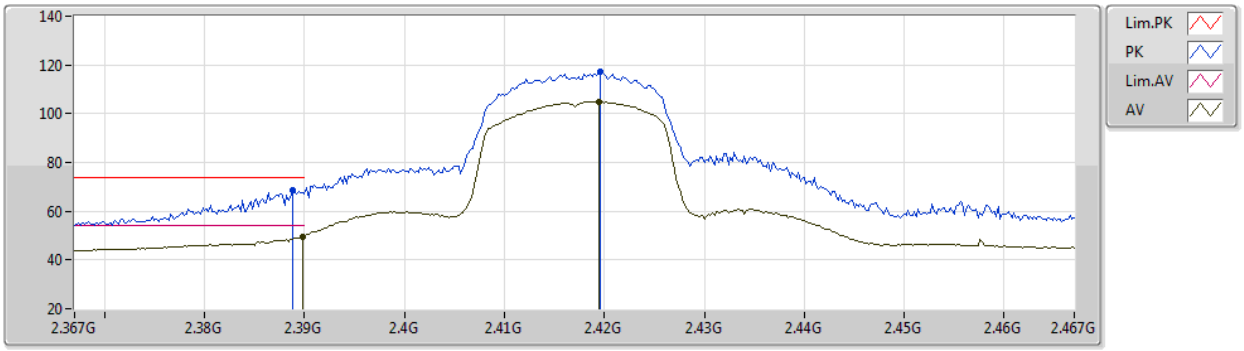
EUT Y_2TX
Setting 18.5
03-A-J-5

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	4.82382G	53.50	74.00	-20.50	48.20	3	Horizontal	323	2.03	-	33.55	6.57	34.82
AV	4.82396G	49.36	54.00	-4.64	44.06	3	Horizontal	323	2.03	-	33.55	6.57	34.82

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

13/03/2020



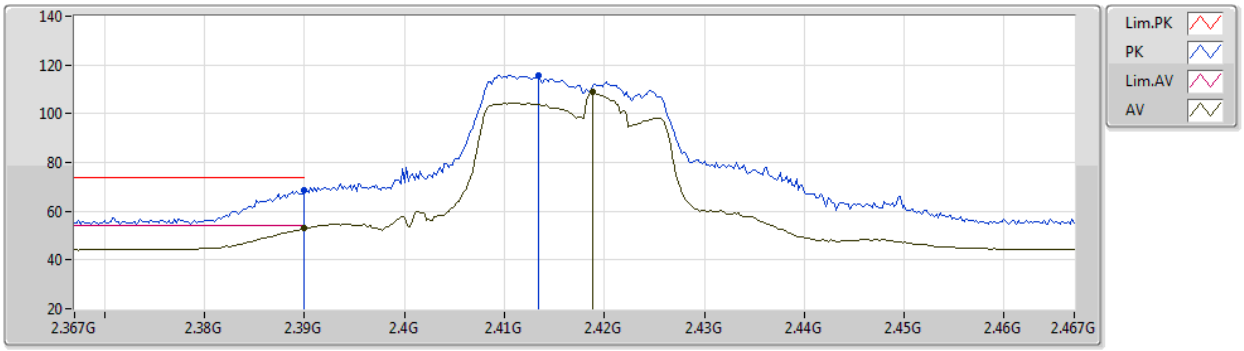
EUT Y_2TX
Setting 20.5
03-A-A-3

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	2.3888G	68.81	74.00	-5.19	36.80	3	Vertical	218	2.07	-	28.28	3.73	-
AV	2.3898G	49.73	54.00	-4.27	17.72	3	Vertical	218	2.07	-	28.28	3.73	-
PK	2.4196G	117.15	Inf	-Inf	85.04	3	Vertical	218	2.07	-	28.36	3.75	-
AV	2.4194G	104.90	Inf	-Inf	72.79	3	Vertical	218	2.07	-	28.36	3.75	-

VHT20-BF_Nss1,(MCS0)_2TX

2417MHz_TX

13/03/2020



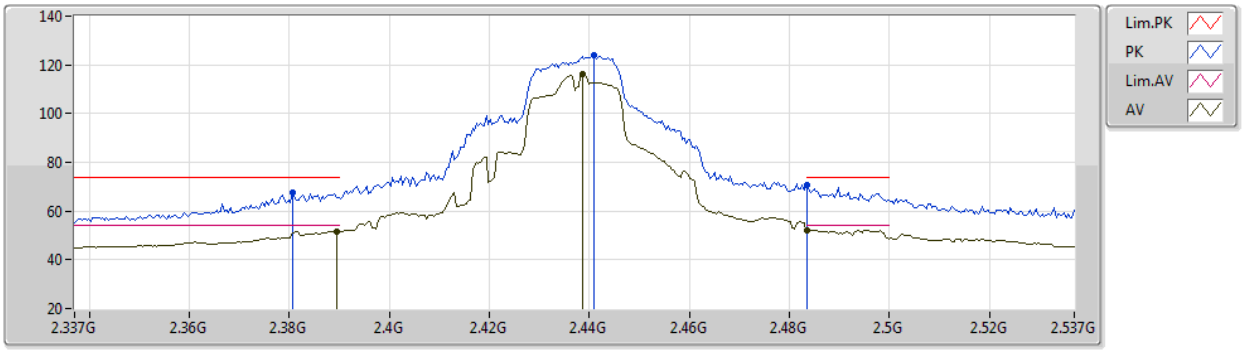
EUT Y_2TX
Setting 20.5
03-A-A-3

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	68.49	74.00	-5.51	36.48	3	Horizontal	354	2.40	-	28.28	3.73	-
AV	2.39G	52.88	54.00	-1.12	20.87	3	Horizontal	354	2.40	-	28.28	3.73	-
PK	2.4134G	115.90	Inf	-Inf	83.81	3	Horizontal	354	2.40	-	28.34	3.75	-
AV	2.4188G	108.78	Inf	-Inf	76.67	3	Horizontal	354	2.40	-	28.36	3.75	-

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



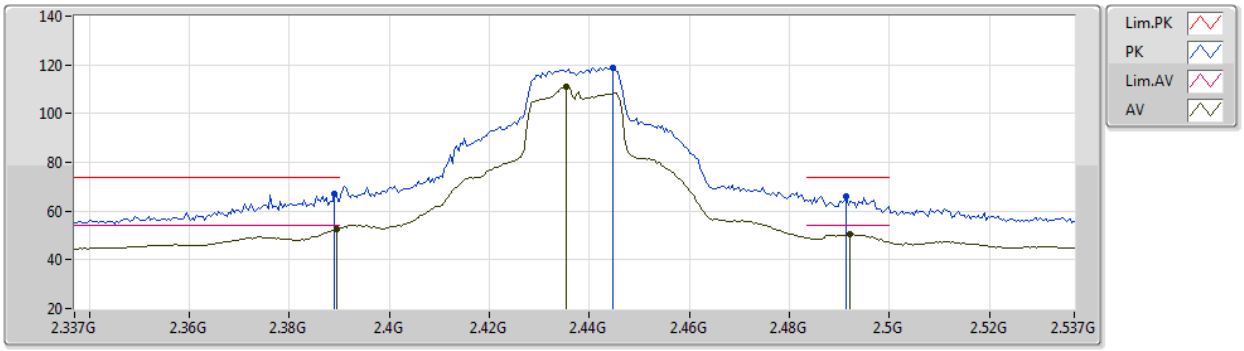
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	2.3806G	67.68	74.00	-6.32	36.03	3	Vertical	213	2.11	-	27.66	3.99	-
AV	2.3894G	51.59	54.00	-2.41	19.97	3	Vertical	213	2.11	-	27.63	3.99	-
PK	2.441G	123.97	Inf	-Inf	92.47	3	Vertical	213	2.11	-	27.48	4.02	-
AV	2.4386G	116.11	Inf	-Inf	84.61	3	Vertical	213	2.11	-	27.48	4.02	-
PK	2.4835G	70.58	74.00	-3.42	39.19	3	Vertical	213	2.11	-	27.35	4.04	-
AV	2.4835G	52.26	54.00	-1.74	20.87	3	Vertical	213	2.11	-	27.35	4.04	-

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



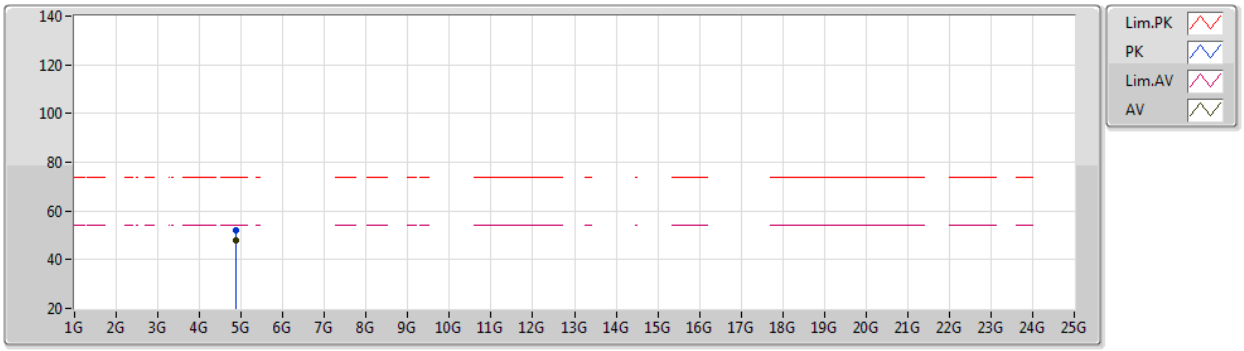
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	2.389G	66.84	74.00	-7.16	35.22	3	Horizontal	357	1.80	-	27.63	3.99	-
AV	2.3894G	52.78	54.00	-1.22	21.16	3	Horizontal	357	1.80	-	27.63	3.99	-
PK	2.4446G	118.98	Inf	-Inf	87.49	3	Horizontal	357	1.80	-	27.47	4.02	-
AV	2.4354G	110.85	Inf	-Inf	79.34	3	Horizontal	357	1.80	-	27.49	4.02	-
PK	2.4914G	66.06	74.00	-7.94	34.68	3	Horizontal	357	1.80	-	27.33	4.05	-
AV	2.4922G	50.43	54.00	-3.57	19.06	3	Horizontal	357	1.80	-	27.32	4.05	-

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



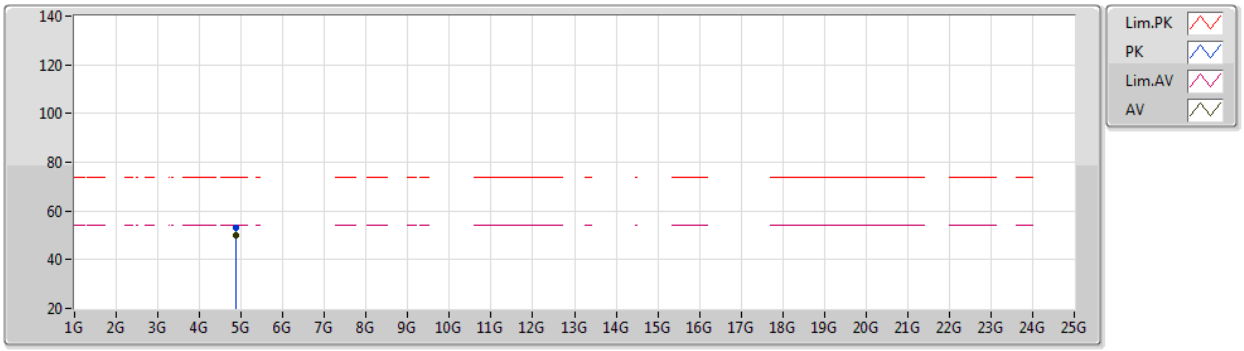
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	4.87401G	52.26	74.00	-21.74	47.43	3	Vertical	12	1.85	-	31.07	5.40	31.64
AV	4.874G	47.96	54.00	-6.04	43.13	3	Vertical	12	1.85	-	31.07	5.40	31.64

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



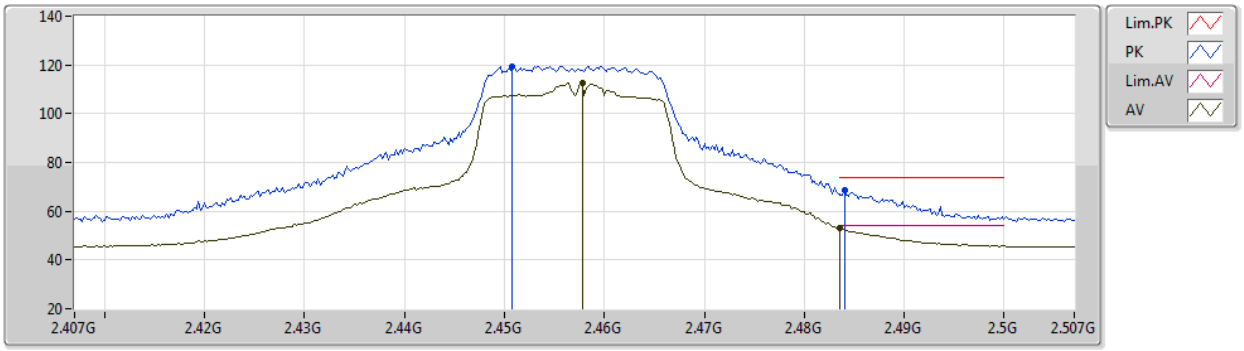
EUT Y_2TX
Setting 25
06-F-C-5
XA07 2nd confirm

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	4.87403G	53.32	74.00	-20.68	48.49	3	Horizontal	333	2.16	-	31.07	5.40	31.64
AV	4.87396G	49.79	54.00	-4.21	44.96	3	Horizontal	333	2.16	-	31.07	5.40	31.64

VHT20-BF_Nss1,(MCS0)_2TX

13/03/2020

2457MHz_TX



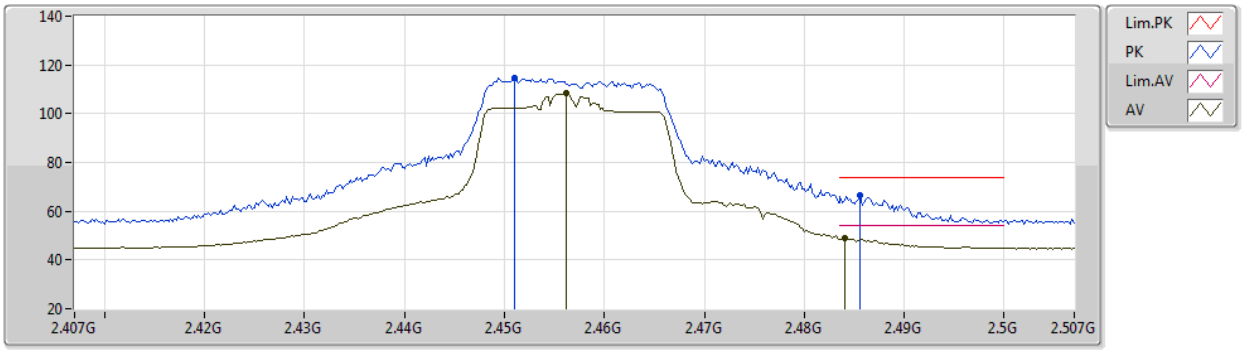
EUT Y_2TX
Setting 21
06-F-C-5
XA07 2nd confirm

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	2.4508G	119.51	Inf	-Inf	88.03	3	Vertical	213	2.13	-	27.45	4.03	-
AV	2.4578G	112.84	Inf	-Inf	81.38	3	Vertical	213	2.13	-	27.43	4.03	-
PK	2.484G	68.77	74.00	-5.23	37.38	3	Vertical	213	2.13	-	27.35	4.04	-
AV	2.4835G	52.85	54.00	-1.15	21.46	3	Vertical	213	2.13	-	27.35	4.04	-

VHT20-BF_Nss1,(MCS0)_2TX

2457MHz_TX

13/03/2020



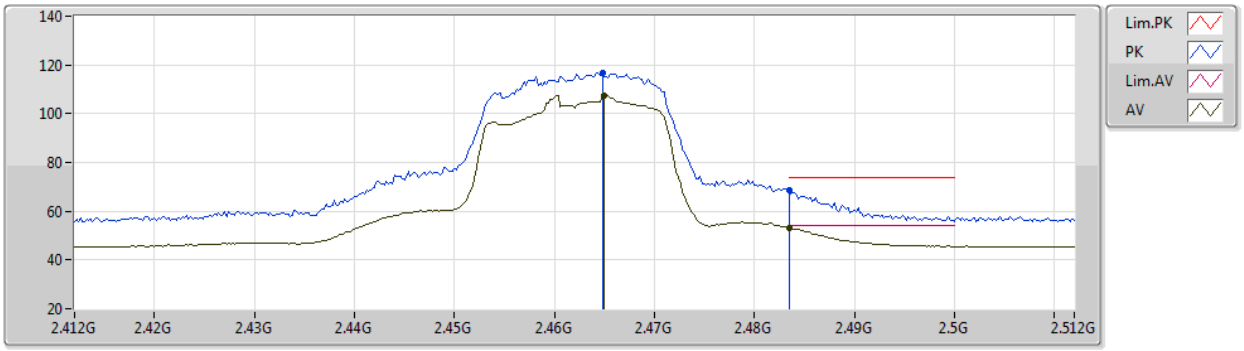
EUT Y_2TX
Setting 21
06-F-C-5
XA07 2nd confirm

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	2.451G	114.54	Inf	-Inf	83.06	3	Horizontal	353	1.86	-	27.45	4.03	-
AV	2.4562G	108.47	Inf	-Inf	77.01	3	Horizontal	353	1.86	-	27.43	4.03	-
PK	2.4856G	66.79	74.00	-7.21	35.41	3	Horizontal	353	1.86	-	27.34	4.04	-
AV	2.484G	48.77	54.00	-5.23	17.38	3	Horizontal	353	1.86	-	27.35	4.04	-

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/03/2020



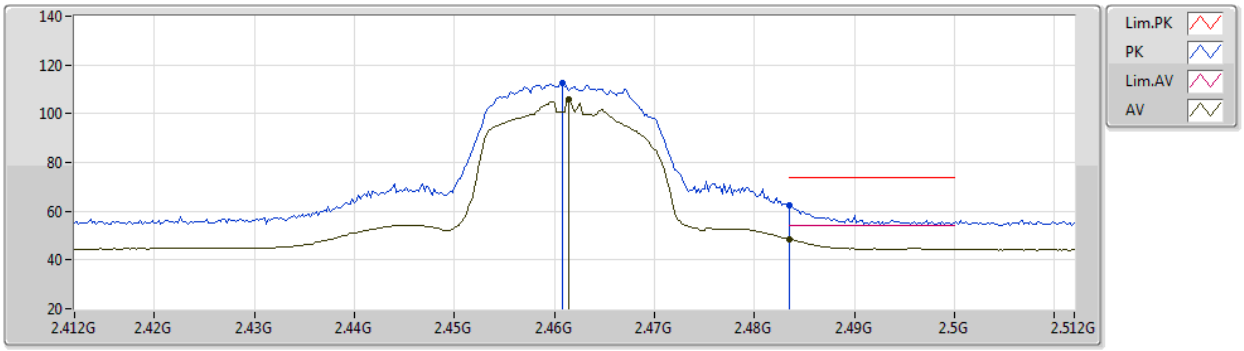
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	2.4648G	116.83	Inf	-Inf	85.39	3	Vertical	217	1.99	-	27.41	4.03	-
AV	2.465G	107.65	Inf	-Inf	76.21	3	Vertical	217	1.99	-	27.41	4.03	-
PK	2.4835G	68.57	74.00	-5.43	37.18	3	Vertical	217	1.99	-	27.35	4.04	-
AV	2.4835G	52.98	54.00	-1.02	21.59	3	Vertical	217	1.99	-	27.35	4.04	-

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/03/2020



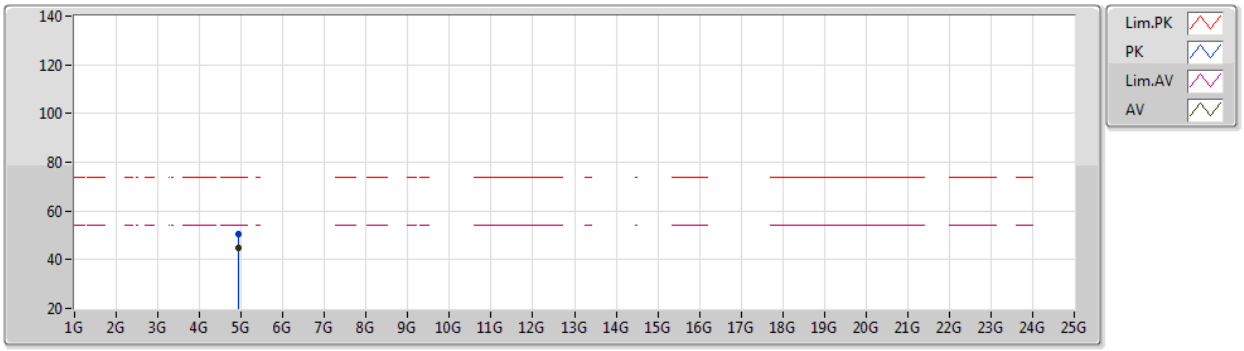
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	2.4608G	112.45	Inf	-Inf	81.00	3	Horizontal	344	2.55	-	27.42	4.03	-
AV	2.4614G	105.61	Inf	-Inf	74.16	3	Horizontal	344	2.55	-	27.42	4.03	-
PK	2.4835G	62.19	74.00	-11.81	30.80	3	Horizontal	344	2.55	-	27.35	4.04	-
AV	2.4835G	48.59	54.00	-5.41	17.20	3	Horizontal	344	2.55	-	27.35	4.04	-

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/03/2020



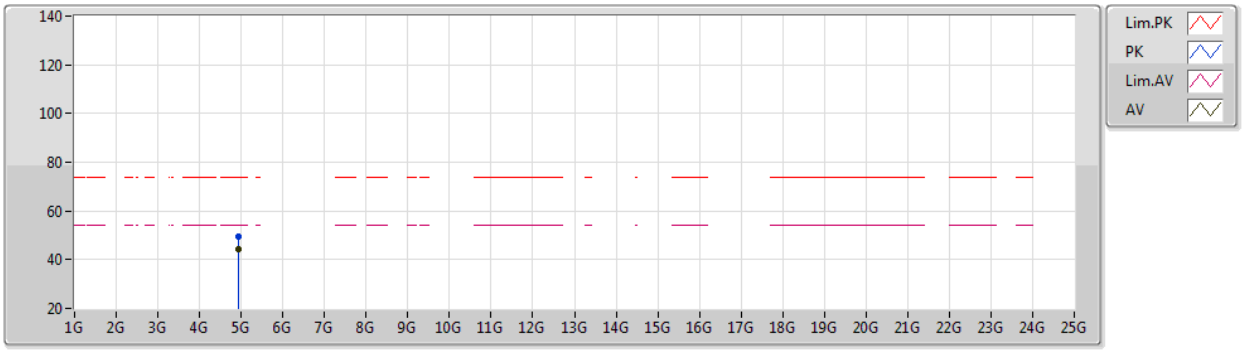
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	4.92412G	50.39	74.00	-23.61	45.32	3	Vertical	20	2.43	-	31.20	5.48	31.61
AV	4.92401G	44.66	54.00	-9.34	39.59	3	Vertical	20	2.43	-	31.20	5.48	31.61

VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

13/03/2020



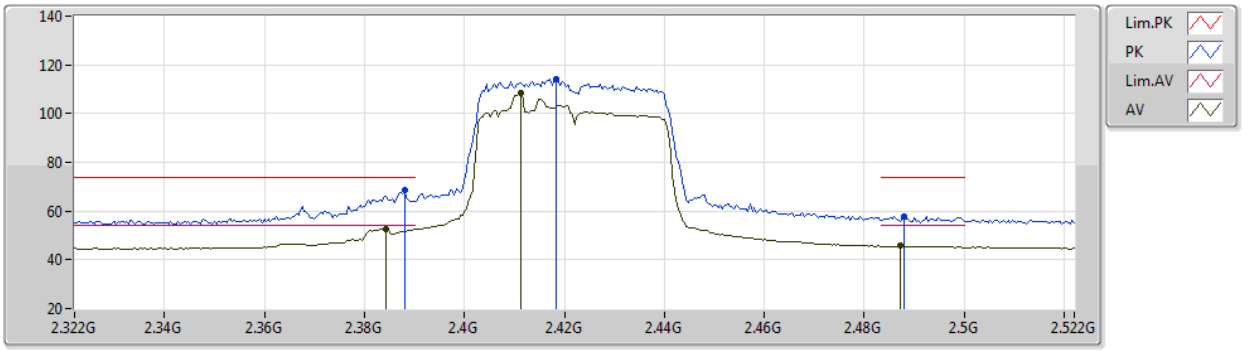
EUT Y_2TX
Setting 19
06-F-C-5
XA07 2nd confirm

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	49.70	74.00	-24.30	44.63	3	Horizontal	323	1.00	-	31.20	5.48	31.61
AV	4.92404G	44.08	54.00	-9.92	39.01	3	Horizontal	323	1.00	-	31.20	5.48	31.61

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/03/2020



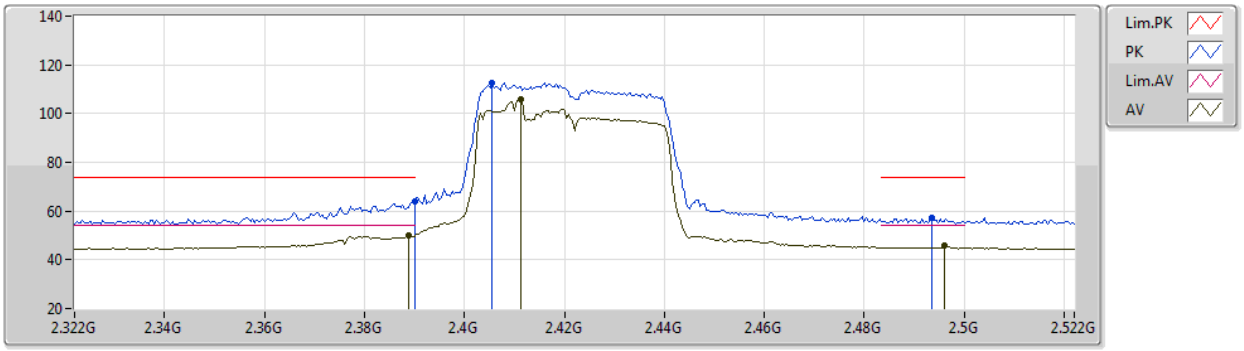
EUT Y_2TX
Setting 17
06-F-C-5
XA07 2nd confirm

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	2.388G	68.61	74.00	-5.39	36.98	3	Vertical	213	2.21	-	27.64	3.99	-
AV	2.3844G	52.75	54.00	-1.25	21.11	3	Vertical	213	2.21	-	27.65	3.99	-
PK	2.4184G	114.39	Inf	-Inf	82.84	3	Vertical	213	2.21	-	27.54	4.01	-
AV	2.4112G	108.62	Inf	-Inf	77.04	3	Vertical	213	2.21	-	27.57	4.01	-
PK	2.488G	57.77	74.00	-16.23	26.39	3	Vertical	213	2.21	-	27.34	4.04	-
AV	2.4872G	45.66	54.00	-8.34	14.28	3	Vertical	213	2.21	-	27.34	4.04	-

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/03/2020



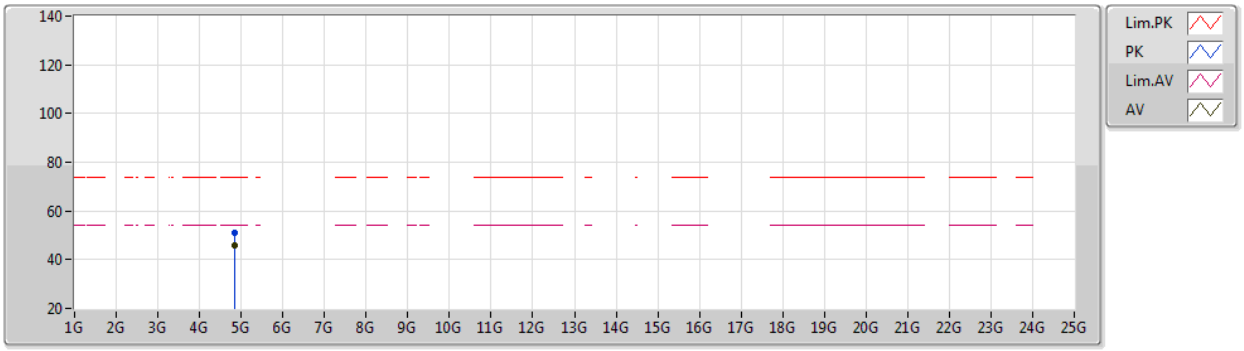
EUT Y_2TX
Setting 17
06-F-C-5
XA07 2nd confirm

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	63.99	74.00	-10.01	32.36	3	Horizontal	350	1.70	-	27.63	4.00	-
AV	2.3888G	49.97	54.00	-4.03	18.35	3	Horizontal	350	1.70	-	27.63	3.99	-
PK	2.4056G	112.78	Inf	-Inf	81.20	3	Horizontal	350	1.70	-	27.58	4.00	-
AV	2.4112G	106.00	Inf	-Inf	74.42	3	Horizontal	350	1.70	-	27.57	4.01	-
PK	2.4936G	57.17	74.00	-16.83	25.80	3	Horizontal	350	1.70	-	27.32	4.05	-
AV	2.496G	45.66	54.00	-8.34	14.30	3	Horizontal	350	1.70	-	27.31	4.05	-

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/03/2020



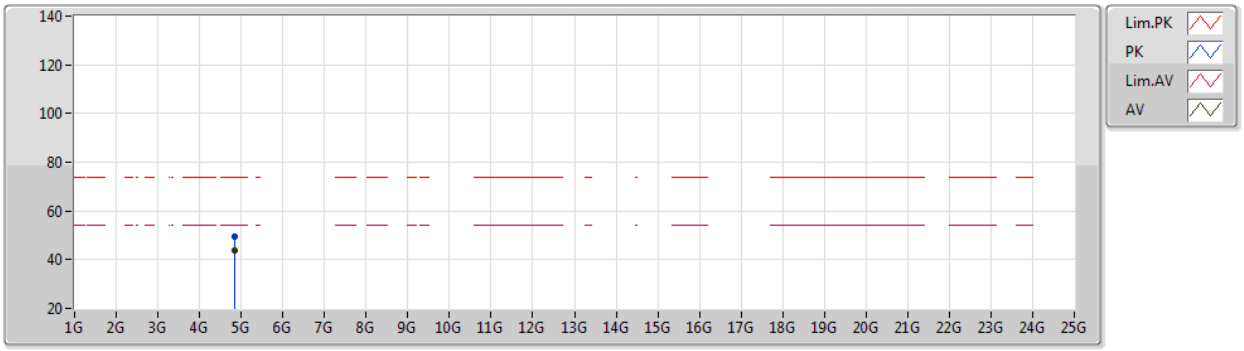
EUT Y_2TX
Setting 17
06-F-C-5
XA07 2nd confirm

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	4.84393G	51.16	74.00	-22.84	46.41	3	Vertical	13	2.52	-	31.04	5.36	31.65
AV	4.84401G	45.92	54.00	-8.08	41.17	3	Vertical	13	2.52	-	31.04	5.36	31.65

VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

13/03/2020



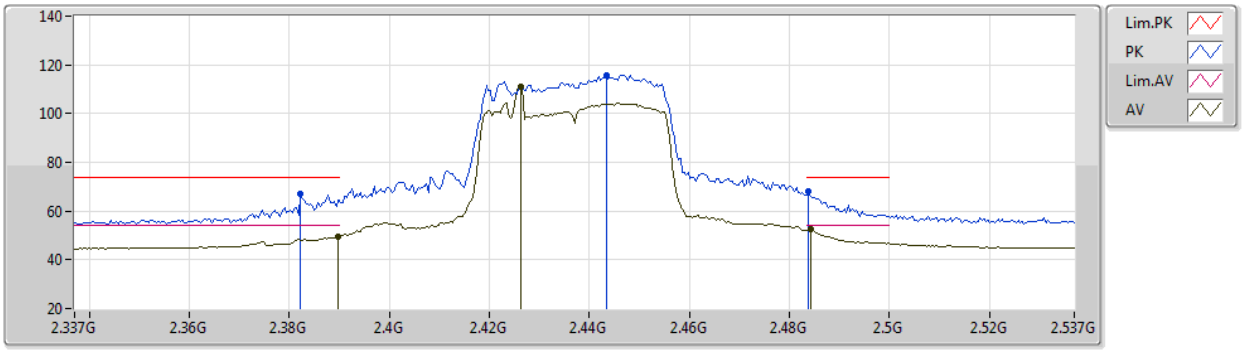
EUT Y_2TX
Setting 17
06-F-C-5
XA07 2nd confirm

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	4.84398G	49.63	74.00	-24.37	44.88	3	Horizontal	301	2.20	-	31.04	5.36	31.65
AV	4.84399G	43.75	54.00	-10.25	39.00	3	Horizontal	301	2.20	-	31.04	5.36	31.65

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



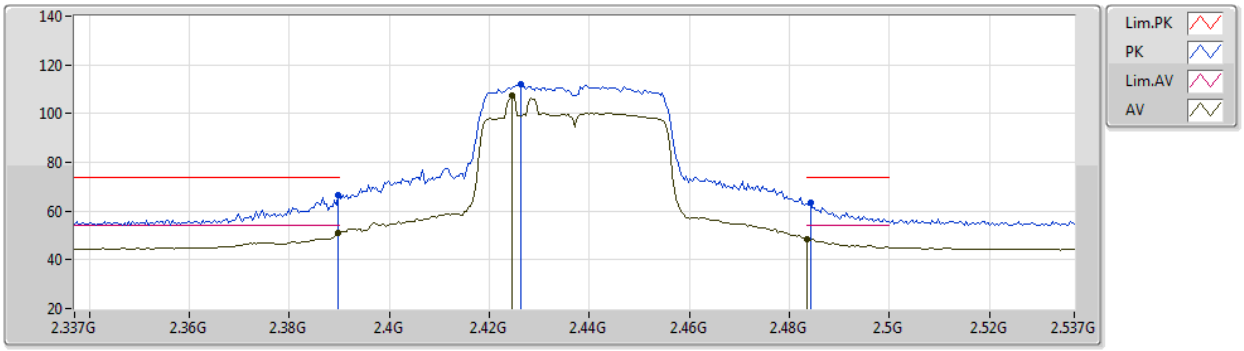
EUT Y_2TX
Setting 19.5
06-F-C-5
XA07 2nd confirm

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	2.3822G	67.07	74.00	-6.93	35.43	3	Vertical	207	2.18	-	27.65	3.99	-
AV	2.3898G	49.51	54.00	-4.49	17.89	3	Vertical	207	2.18	-	27.63	3.99	-
PK	2.4434G	115.61	Inf	-Inf	84.12	3	Vertical	207	2.18	-	27.47	4.02	-
AV	2.4262G	111.20	Inf	-Inf	79.67	3	Vertical	207	2.18	-	27.52	4.01	-
PK	2.4838G	67.98	74.00	-6.02	36.59	3	Vertical	207	2.18	-	27.35	4.04	-
AV	2.4842G	52.79	54.00	-1.21	21.40	3	Vertical	207	2.18	-	27.35	4.04	-

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



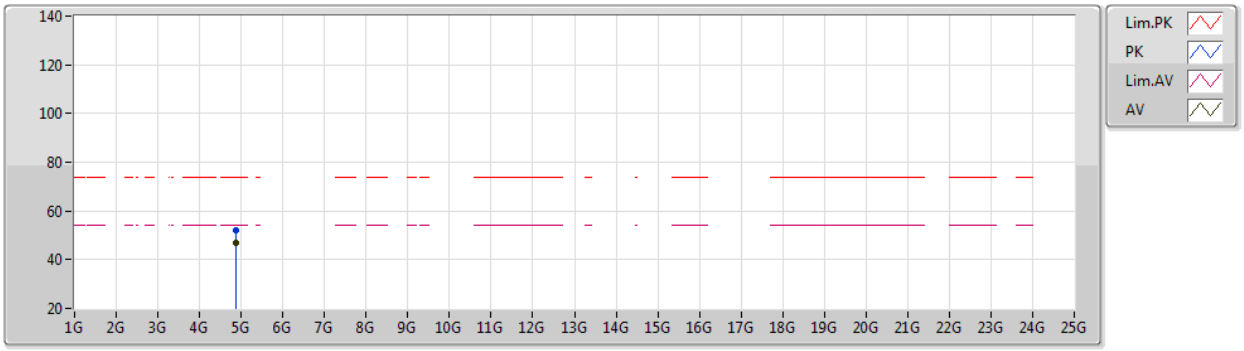
EUT Y_2TX
Setting 19.5
06-F-C-5
XA07 2nd confirm

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	66.50	74.00	-7.50	34.88	3	Horizontal	345	2.09	-	27.63	3.99	-
AV	2.3898G	50.81	54.00	-3.19	19.19	3	Horizontal	345	2.09	-	27.63	3.99	-
PK	2.4262G	111.90	Inf	-Inf	80.37	3	Horizontal	345	2.09	-	27.52	4.01	-
AV	2.4246G	107.19	Inf	-Inf	75.65	3	Horizontal	345	2.09	-	27.53	4.01	-
PK	2.4842G	63.31	74.00	-10.69	31.92	3	Horizontal	345	2.09	-	27.35	4.04	-
AV	2.4835G	48.46	54.00	-5.54	17.07	3	Horizontal	345	2.09	-	27.35	4.04	-

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



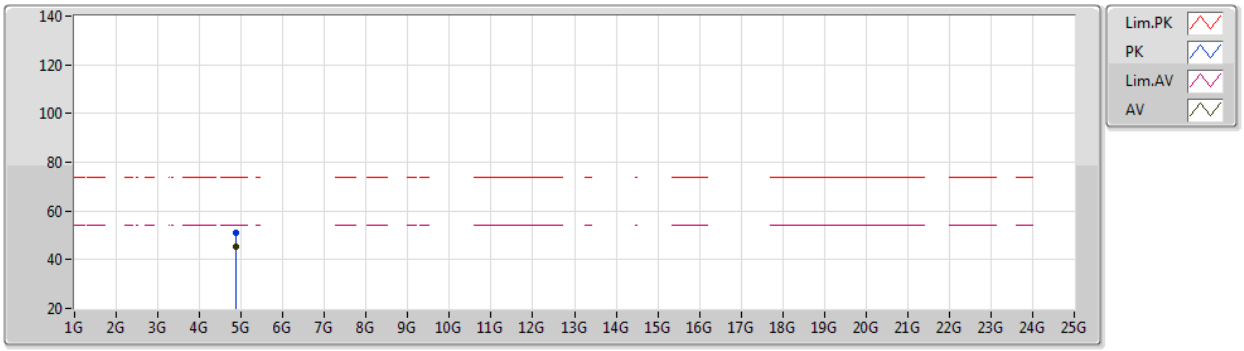
EUT Y_2TX
Setting 19.5
06-F-C-5
XA07 2nd confirm

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	51.96	74.00	-22.04	47.13	3	Vertical	14	2.35	-	31.07	5.40	31.64
AV	4.87401G	46.85	54.00	-7.15	42.02	3	Vertical	14	2.35	-	31.07	5.40	31.64

VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

13/03/2020



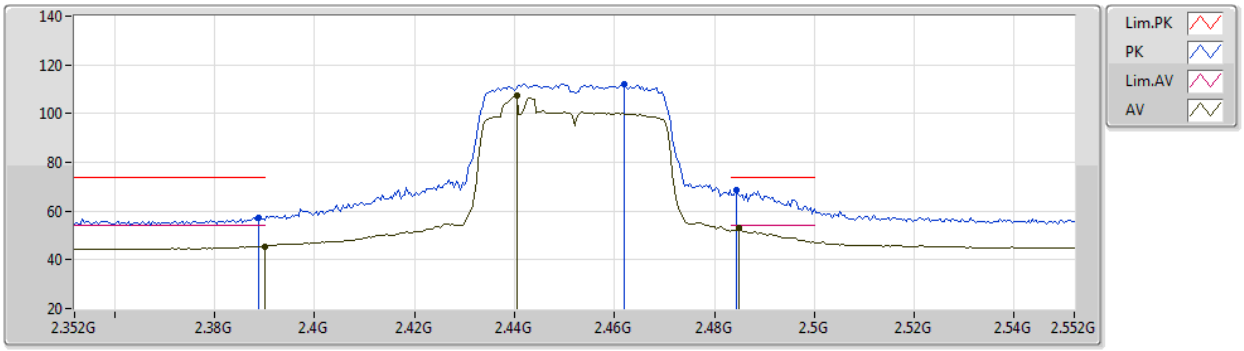
EUT Y_2TX
Setting 19.5
06-F-C-5
XA07 2nd confirm

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	4.87403G	51.17	74.00	-22.83	46.34	3	Horizontal	301	2.17	-	31.07	5.40	31.64
AV	4.87402G	45.38	54.00	-8.62	40.55	3	Horizontal	301	2.17	-	31.07	5.40	31.64

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

13/03/2020



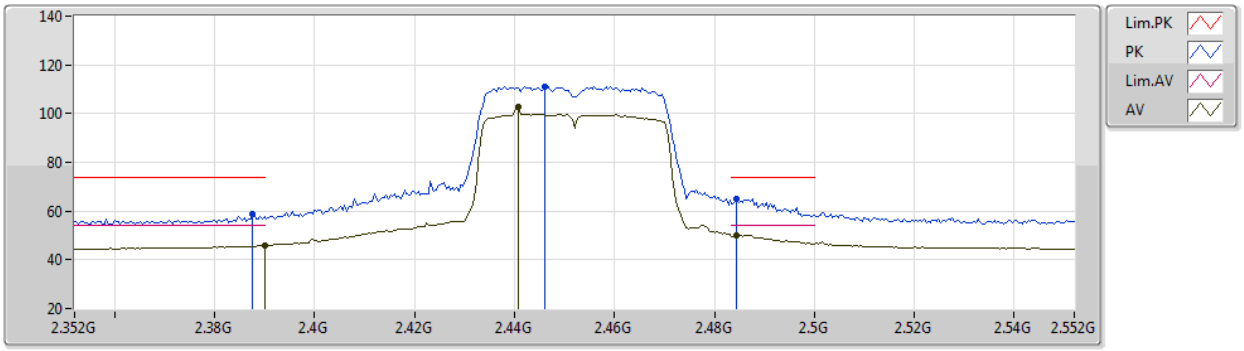
EUT Y_2TX
Setting 18.5
06-F-C-5
XA07 2nd confirm

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	2.3888G	57.13	74.00	-16.87	25.51	3	Vertical	242	1.83	-	27.63	3.99	-
AV	2.39G	45.54	54.00	-8.46	13.91	3	Vertical	242	1.83	-	27.63	4.00	-
PK	2.462G	112.30	Inf	-Inf	80.86	3	Vertical	242	1.83	-	27.41	4.03	-
AV	2.4404G	107.24	Inf	-Inf	75.74	3	Vertical	242	1.83	-	27.48	4.02	-
PK	2.4844G	68.48	74.00	-5.52	37.09	3	Vertical	242	1.83	-	27.35	4.04	-
AV	2.4848G	52.86	54.00	-1.14	21.47	3	Vertical	242	1.83	-	27.35	4.04	-

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

13/03/2020



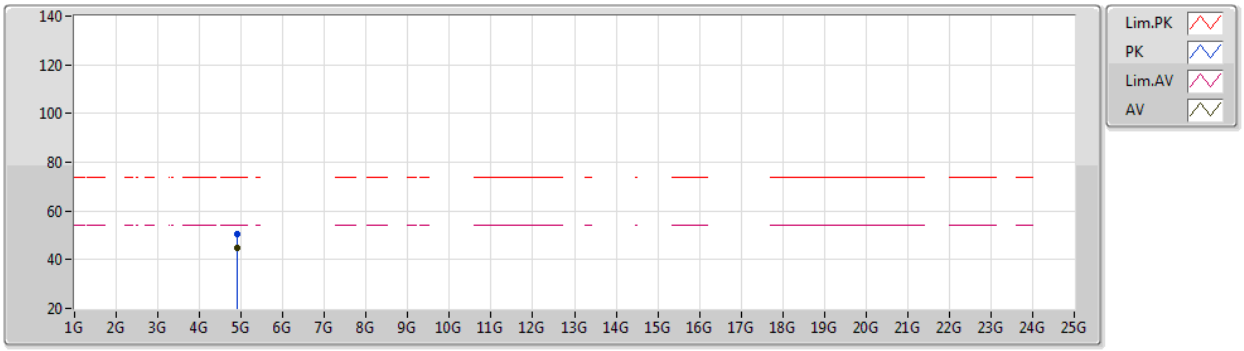
EUT Y_2TX
Setting 18.5
06-F-C-5
XA07 2nd confirm

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	58.54	74.00	-15.46	26.91	3	Horizontal	359	1.80	-	27.64	3.99	-
AV	2.39G	45.88	54.00	-8.12	14.25	3	Horizontal	359	1.80	-	27.63	4.00	-
PK	2.446G	111.25	Inf	-Inf	79.77	3	Horizontal	359	1.80	-	27.46	4.02	-
AV	2.4408G	102.86	Inf	-Inf	71.36	3	Horizontal	359	1.80	-	27.48	4.02	-
PK	2.4844G	65.07	74.00	-8.93	33.68	3	Horizontal	359	1.80	-	27.35	4.04	-
AV	2.4844G	49.97	54.00	-4.03	18.58	3	Horizontal	359	1.80	-	27.35	4.04	-

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

13/03/2020



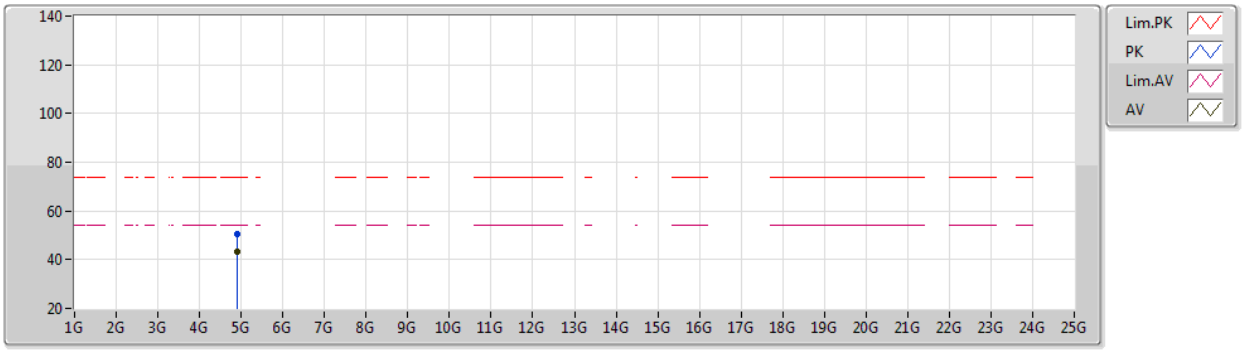
EUT Y_2TX
Setting 18.5
06-F-C-5
XA07 2nd confirm

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	4.90404G	50.46	74.00	-23.54	45.51	3	Vertical	14	2.45	-	31.12	5.45	31.62
AV	4.90401G	44.66	54.00	-9.34	39.71	3	Vertical	14	2.45	-	31.12	5.45	31.62

VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

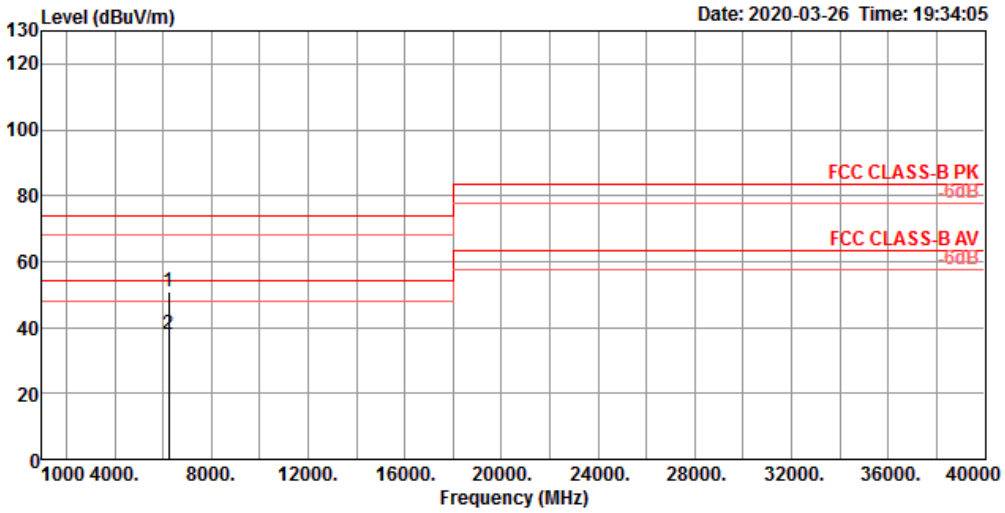
13/03/2020



EUT Y_2TX
Setting 18.5
06-F-C-5
XA07 2nd confirm

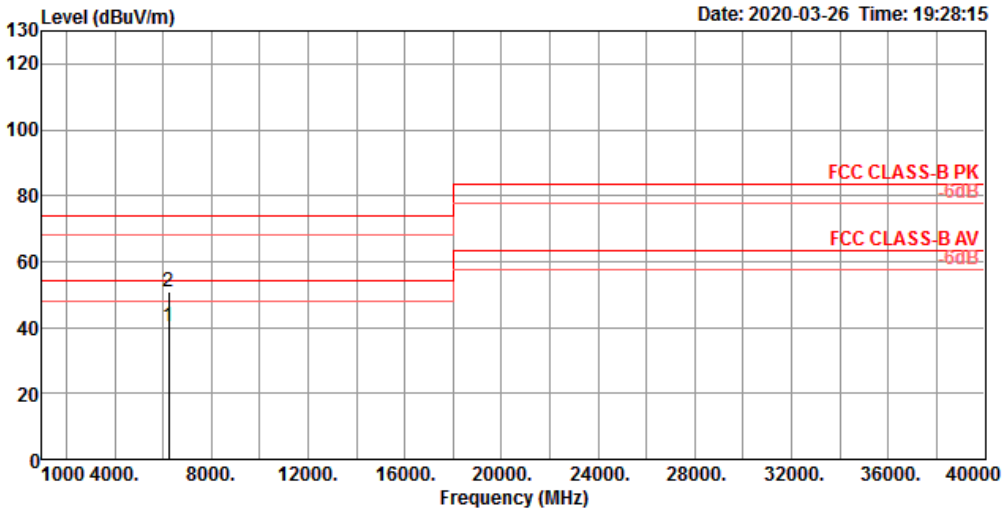
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90397G	50.26	74.00	-23.74	45.31	3	Horizontal	300	1.00	-	31.12	5.45	31.62
AV	4.90399G	43.23	54.00	-10.77	38.28	3	Horizontal	300	1.00	-	31.12	5.45	31.62

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	6249.74	50.64	74.00	-23.36	43.37	7.22	34.90	34.85	100	168	Peak	HORIZONTAL
2	6250.10	37.98	54.00	-16.02	30.71	7.22	34.90	34.85	100	168	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	6249.91	40.42	54.00	-13.58	33.15	7.22	34.90	34.85	122	167	Average	VERTICAL
2	6249.97	50.99	74.00	-23.01	43.72	7.22	34.90	34.85	122	167	Peak	VERTICAL