FCC RADIO TEST REPORT

FCC ID	:	O2U-8568
Equipment	:	Wireless Voice Gateway
Brand Name	:	cbn
Model Name	:	CH8568, CH8568XXXXX (X= a~z , 0~9 , blank, "-")
Applicant	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Manufacturer	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Standard	:	47 CFR FCC Part 15.247

The product was received on Mar. 27, 2020, and testing was started from Apr. 08, 2020 and completed on Apr. 28, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Cliff Chang

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

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History of this test report

Report No.	Version	Description	Issued Date
FR032025-03AA	01	Initial issue of report	Sep. 01, 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	-
Reference to Sporton Project No.: 032025				

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: Cliff Chang
Report Producer: Emily Chen

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	11b	20	3
2.4-2.4835GHz	11g	20	3
2.4-2.4835GHz	11n HT20	20	3
2.4-2.4835GHz	11n HT40	40	3

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	Model Name	Antenna Type	Connector	Gain (dBi)	
	2.4GHz	5GHz					2.4GHz	5GHz
1	1	1	YAGEO	ANTA0ZZ14022WLAN4	Dipole Antenna	I-PEX	4.6	4.6
2	2	3	YAGEO	ANTA0ZZ14022WLAN3	Dipole Antenna	I-PEX	4.4	5.6
3	3	4	YAGEO	ANTA0ZZ14022WLAN2	Dipole Antenna	I-PEX	3.2	5.7
4	-	2	YAGEO	ANTA0ZZ14021WLAN1	Dipole Antenna	I-PEX	-	5.7

Note: The above information was declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b/g/n mode (3TX/3RX):

Port 1, Port 2 and Port 3 can be used as transmitting/receiving antenna.

Port 1, Port 2 and Port 3 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.996	0.02	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.972	0.12	2.065m	1k
802.11n HT20	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.974	0.11	2.433m	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
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QRCT(Version3.0.187.0)			
Serial Number	1418568200053			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
dbn	CH8568	All the models are identical, the difference model names served as marketing strategy.
	CH8568XXXXX (X= a~z , 0~9 , blank, "-")	

Note: From the above models, model: CH8568 was selected as representative model for the test and its data was record in this report.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.5~25.5°C / 53~55%	Apr. 09, 2020~Apr. 15, 2020
Radiated Below 1GHz	03CH06-CB	Stim Sung	21.5~22.4°C / 55~57%	Apr. 27, 2020
Radiated Above 1GHz	03CH03-CB	Stim Sung	24.2~24.5°C / 52~53%	Apr. 08, 2020~Apr. 09, 2020
AC Conduction	CO01-CB	Beck Wu	23~24°C / 55~60%	Apr. 28, 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_(1Mbps)_3TX	-
2412MHz	22
2437MHz	22.5
2462MHz	21.5
802.11g_(6Mbps)_3TX	-
2412MHz	18
2417MHz	20
2437MHz	22
2457MHz	19.5
2462MHz	18
802.11n HT20_(MCS0)_3TX	-
2412MHz	18
2417MHz	20
2437MHz	22
2457MHz	19.5
2462MHz	17.5
802.11n HT40_(MCS0)_3TX	-
2422MHz	14
2427MHz	16.5
2437MHz	18
2452MHz	15.5

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT + Adapter

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT + Adapter
Operating Mode > 1GHz	CTX

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
Refer to Sporton Test Report No.: FA032025-03 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position.

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Holder**	**Model Name**	**Rating**
Adapter	ChenZhou Frecom Electronics Co., Ltd.	F42L1-120350SPAU	INPUT: 100-240V ~ 50/60Hz, 1.4A OUTPUT: 12V, 3.5A
Others			
RJ-45 cable, non-shielded, 1.8m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Flash disk3.0	Transcend	JetFlash-700	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	Terminal System	MOTOROLA	BSR2000	N/A
F	Terminal System NB	Acer	MS2308	N/A
G	Phone 1	SAMPO	HT-B 907WL	N/A
H	Phone 2	SAMPO	HT-B 907WL	N/A

For Radiated (below 1GHz):

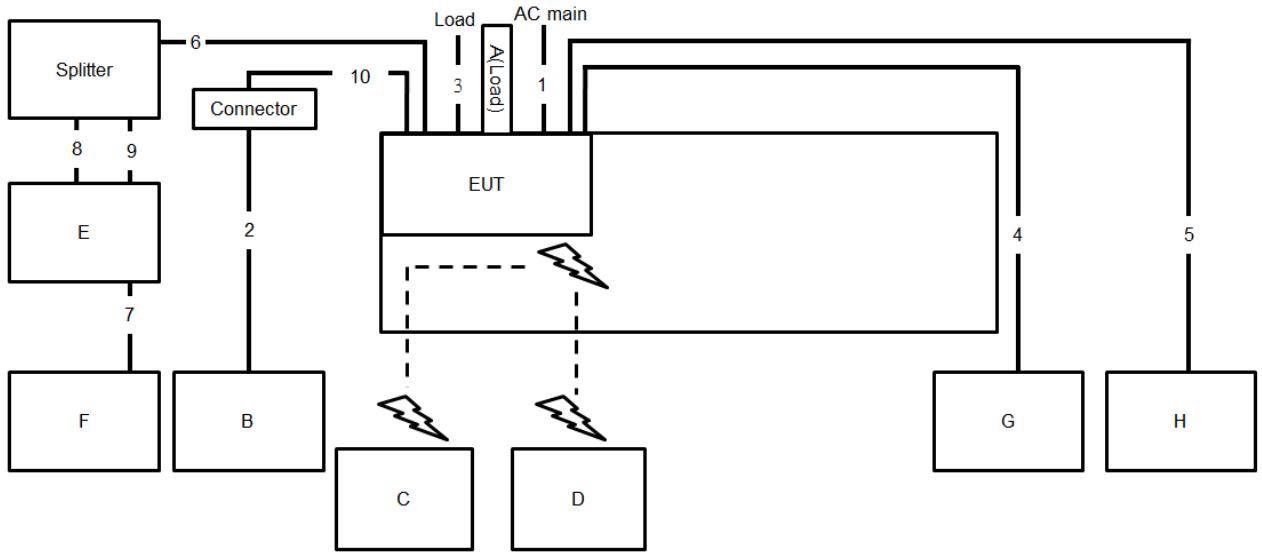
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.4G NB	Apple	Mac Book	N/A
B	5G NB	Apple	Mac Book	N/A
C	LAN NB	DELL	E4300	N/A
D	Terminal system NB	Acer	MS2308	N/A
E	Phone 1	SAMPO	HT-B 907WL	N/A
F	Phone 2	SAMPO	HT-B 907WL	N/A
G	Terminal system	MOTOROLA	BSR2000	N/A
H	Flash disk3.0	Silicon Power	B06	N/A

For Radiated (above 1GHz) and RF Conducted:

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

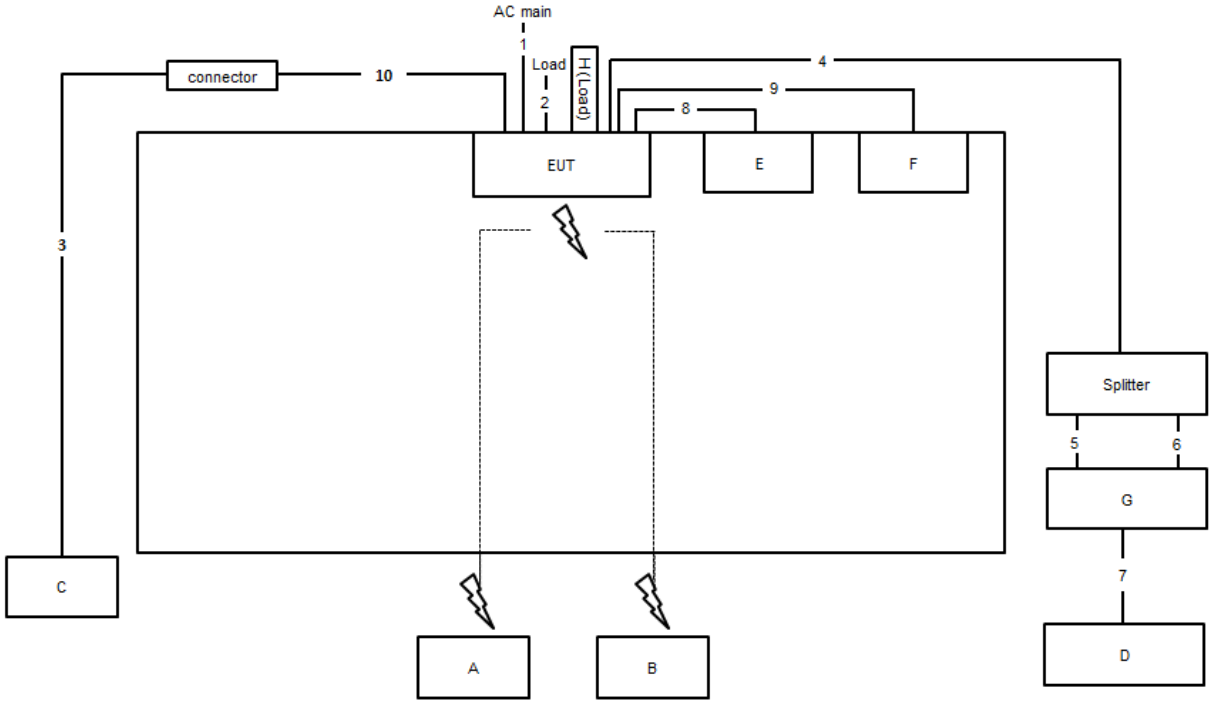
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



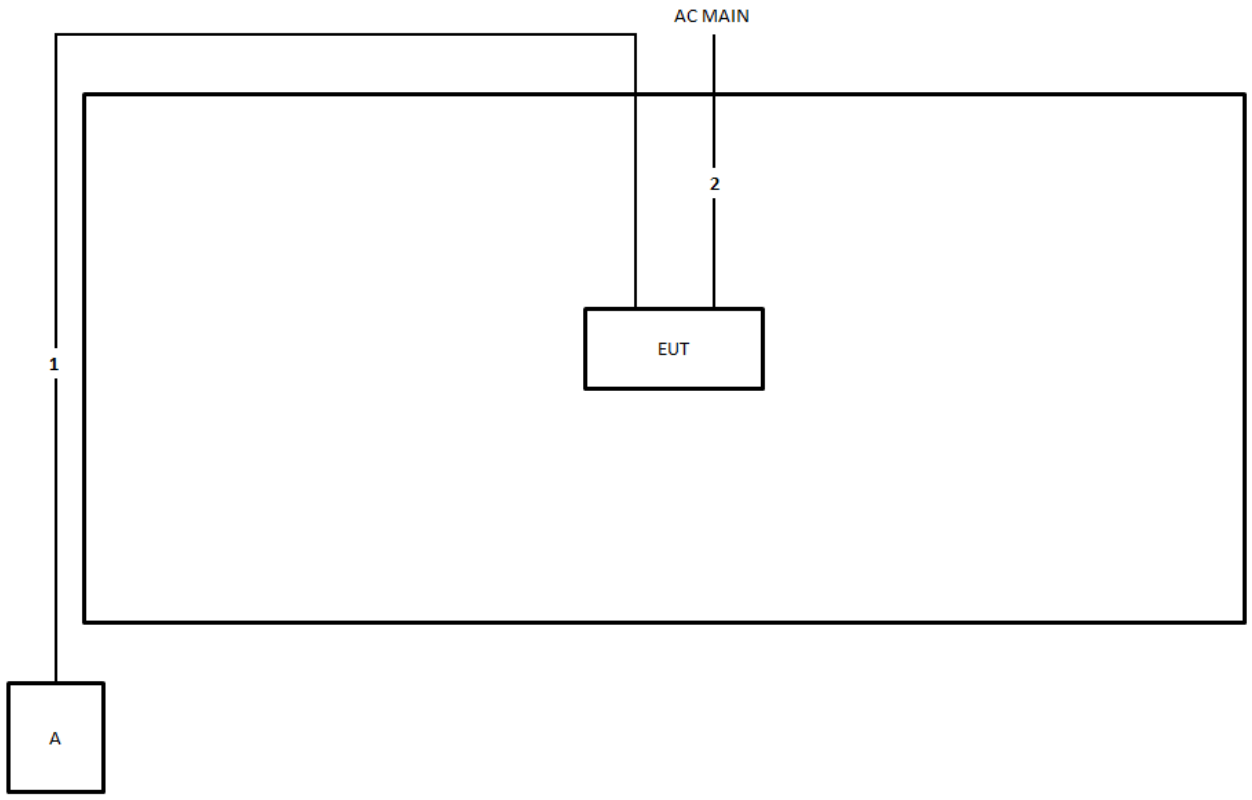
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable*3	No	1.5m
4	RJ-11 cable	No	10m
5	RJ-11 cable	No	10m
6	Coaxial cable	Yes	10m
7	RJ-45 cable	No	1.5m
8	Coaxial cable	Yes	2m
9	Coaxial cable	Yes	2m
10	RJ-45 cable	No	1.8m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable*3	No	1.5m
3	RJ-45 cable	No	10m
4	Coaxial cable	Yes	10m
5	Coaxial cable	Yes	2m
6	Coaxial cable	Yes	2m
7	RJ-45 cable	No	3m
8	RJ-11 cable	No	1.5m
9	RJ-11 cable	No	1.5m
10	RJ-45 cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz



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

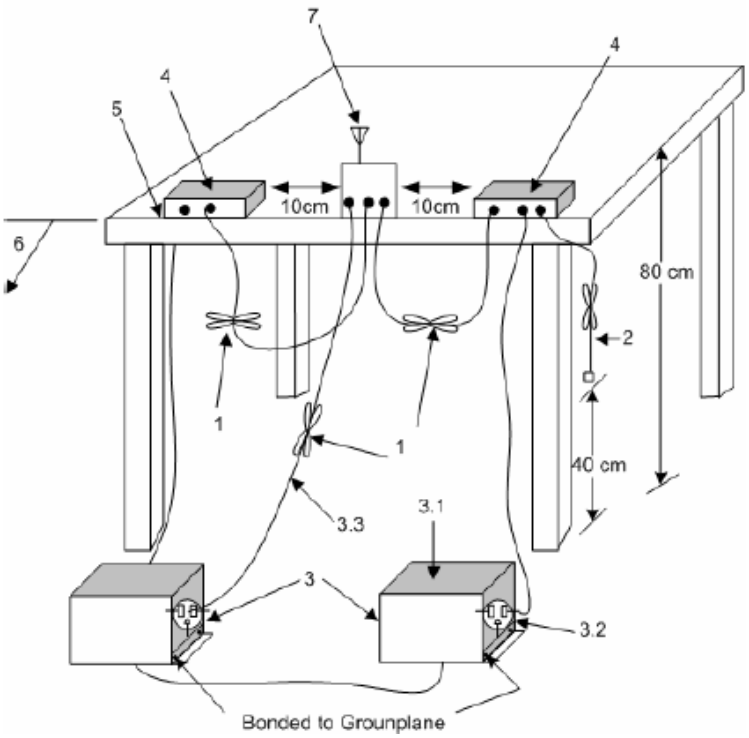
Refer a test equipment and calibration data table in this test report.

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: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

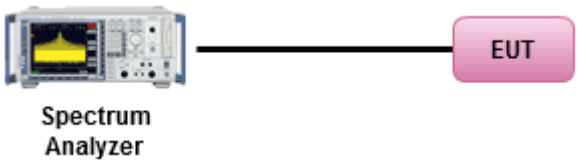
3.2.2 Measuring Instruments

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.		

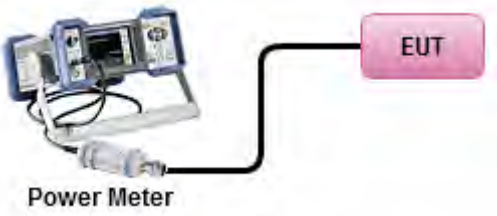
3.3.2 Measuring Instruments

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

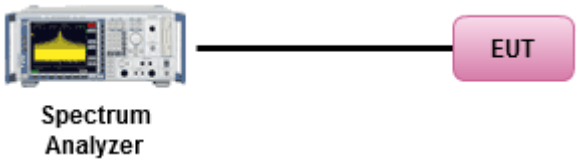
3.4.2 Measuring Instruments

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.	

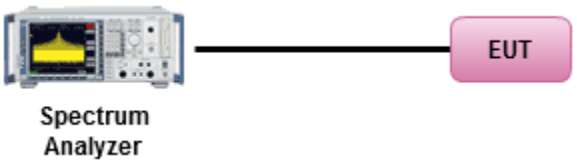
3.5.2 Measuring Instruments

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.

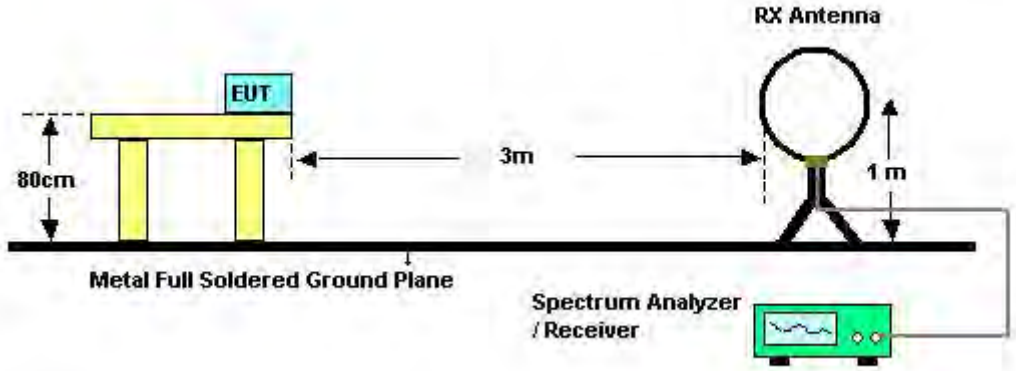
3.6.3 Test Procedures

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.		

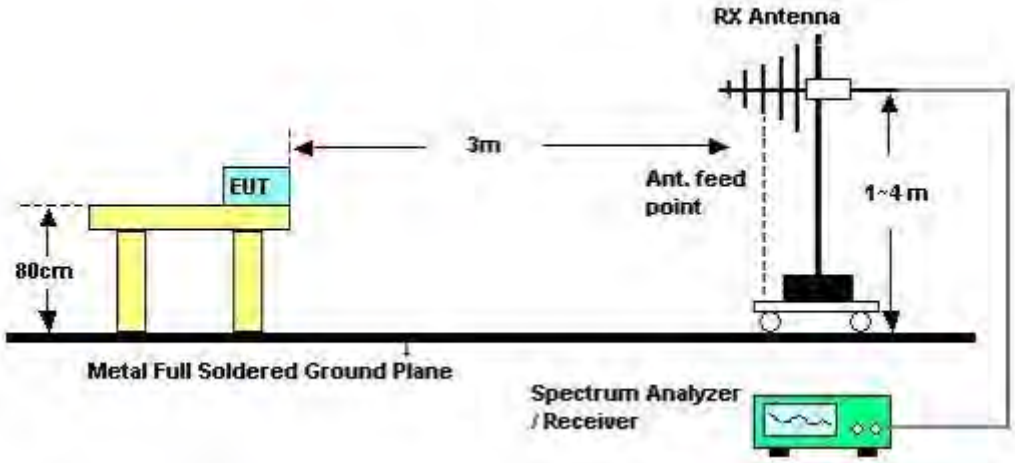
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

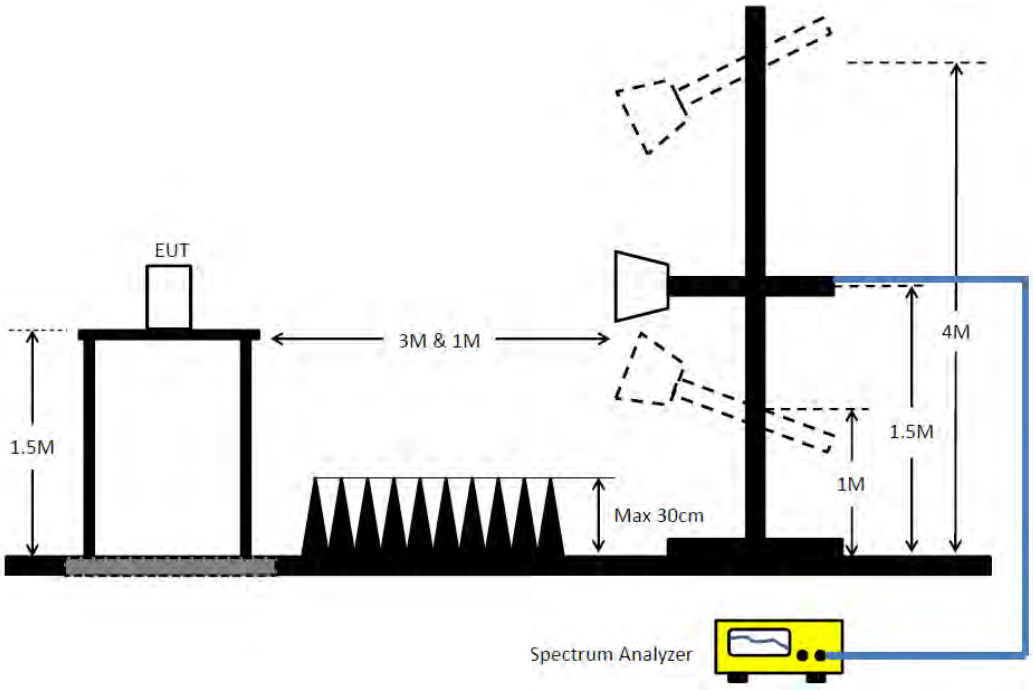
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 03, 2019	Aug. 02, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	May 07, 2019	May 06, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH06-CB)
RF Cable-low	HUBER+SUHNER	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 20, 2020	Jan. 19, 2021	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Dec. 19, 2019	Dec.18, 2020	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 19, 2019	Jun. 18, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)

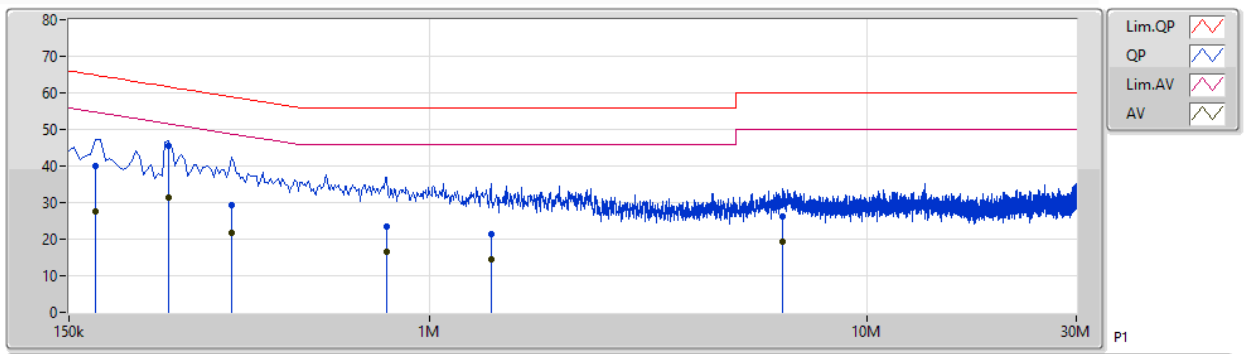
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)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

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

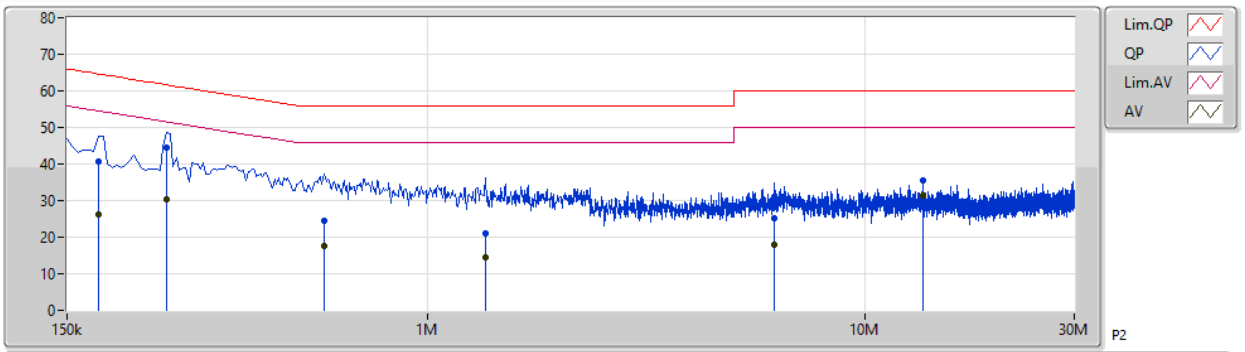
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	QP	253.5k	45.62	61.64	-16.02	9.90	Line



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.5k	40.17	64.83	-24.66	9.90	Line	-	30.27	0.05	0.06	9.79
AV	172.5k	27.50	54.83	-27.33	9.90	Line	-	17.60	0.05	0.06	9.79
QP	253.5k	45.62	61.64	-16.02	9.90	Line	"Worst"	35.72	0.04	0.06	9.80
AV	253.5k	31.39	51.64	-20.25	9.90	Line	-	21.49	0.04	0.06	9.80
QP	352.5k	29.17	58.91	-29.74	9.91	Line	-	19.26	0.04	0.06	9.81
AV	352.5k	21.84	48.91	-27.07	9.91	Line	-	11.93	0.04	0.06	9.81
QP	798k	23.32	56.00	-32.68	9.95	Line	-	13.37	0.05	0.08	9.82
AV	798k	16.62	46.00	-29.38	9.95	Line	-	6.67	0.05	0.08	9.82
QP	1.383M	21.50	56.00	-34.50	9.97	Line	-	11.53	0.05	0.10	9.82
AV	1.383M	14.41	46.00	-31.59	9.97	Line	-	4.44	0.05	0.10	9.82
QP	6.419M	26.04	60.00	-33.96	10.20	Line	-	15.84	0.13	0.20	9.87
AV	6.419M	19.28	50.00	-30.72	10.20	Line	-	9.08	0.13	0.20	9.87



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	177k	40.56	64.62	-24.06	9.89	Neutral	-	30.67	0.04	0.06	9.79
AV	177k	26.25	54.62	-28.37	9.89	Neutral	-	16.36	0.04	0.06	9.79
QP	253.5k	44.60	61.64	-17.04	9.90	Neutral	"Worst"	34.70	0.04	0.06	9.80
AV	253.5k	30.44	51.64	-21.20	9.90	Neutral	-	20.54	0.04	0.06	9.80
QP	582k	24.32	56.00	-31.68	9.93	Neutral	-	14.39	0.05	0.07	9.81
AV	582k	17.64	46.00	-28.36	9.93	Neutral	-	7.71	0.05	0.07	9.81
QP	1.356M	21.12	56.00	-34.88	9.98	Neutral	-	11.14	0.06	0.10	9.82
AV	1.356M	14.40	46.00	-31.60	9.98	Neutral	-	4.42	0.06	0.10	9.82
QP	6.198M	25.14	60.00	-34.86	10.19	Neutral	-	14.95	0.13	0.20	9.86
AV	6.198M	17.85	50.00	-32.15	10.19	Neutral	-	7.66	0.13	0.20	9.86
QP	13.56M	35.48	60.00	-24.52	10.33	Neutral	-	25.15	0.19	0.22	9.92
AV	13.56M	31.40	50.00	-18.60	10.33	Neutral	-	21.07	0.19	0.22	9.92

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_(1Mbps)_3TX	9.525M	13.993M	14M0G1D	7.075M	13.068M
802.11g_(6Mbps)_3TX	16.3M	20.665M	20M7D1D	15.775M	16.367M
802.11n HT20_(MCS0)_3TX	17.5M	19.615M	19M6D1D	15.65M	17.566M
802.11n HT40_(MCS0)_3TX	35M	35.832M	35M8D1D	30.1M	35.682M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11b_(1Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.55M	13.293M	8.525M	13.143M	9.525M	13.543M
2437MHz	Pass	500k	9.05M	13.993M	9.05M	13.268M	9.075M	13.793M
2462MHz	Pass	500k	7.075M	13.143M	8.5M	13.068M	9.5M	13.118M
802.11g_(6Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.392M	16.3M	16.367M	16.275M	16.417M
2437MHz	Pass	500k	16M	18.591M	15.775M	17.116M	16.275M	20.665M
2462MHz	Pass	500k	16.275M	16.392M	16.025M	16.392M	16.025M	16.392M
802.11n HT20_(MCS0)_3TX	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.525M	17.566M	15.65M	17.566M	16.85M	17.566M
2437MHz	Pass	500k	16.525M	18.416M	17.5M	17.941M	17.25M	19.615M
2462MHz	Pass	500k	16.55M	17.591M	16.5M	17.566M	16.55M	17.566M
802.11n HT40_(MCS0)_3TX	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	33.75M	35.732M	34.95M	35.682M	35M	35.782M
2437MHz	Pass	500k	30.1M	35.782M	33.75M	35.732M	32.55M	35.832M
2452MHz	Pass	500k	35M	35.732M	33.85M	35.732M	33.85M	35.782M

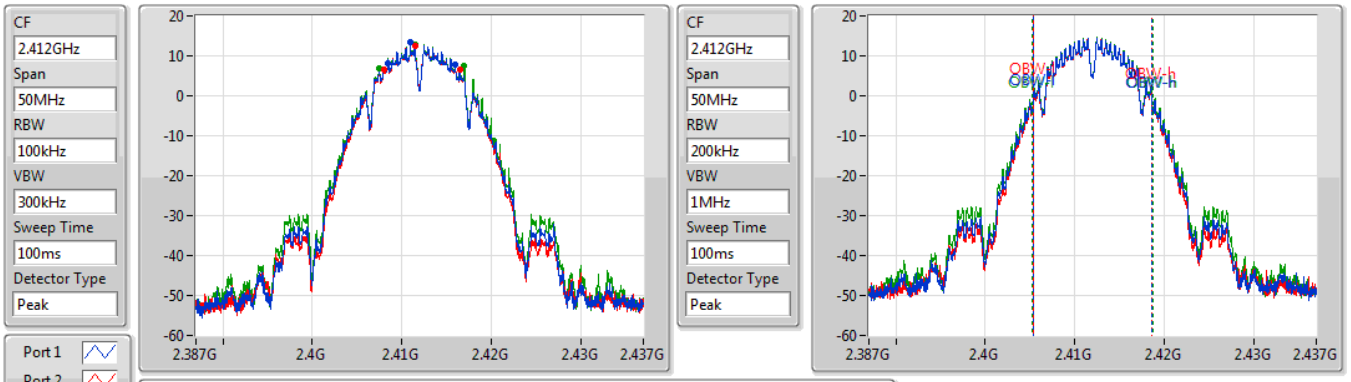
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_(1Mbps)_3TX

EBW

2412MHz

10/04/2020



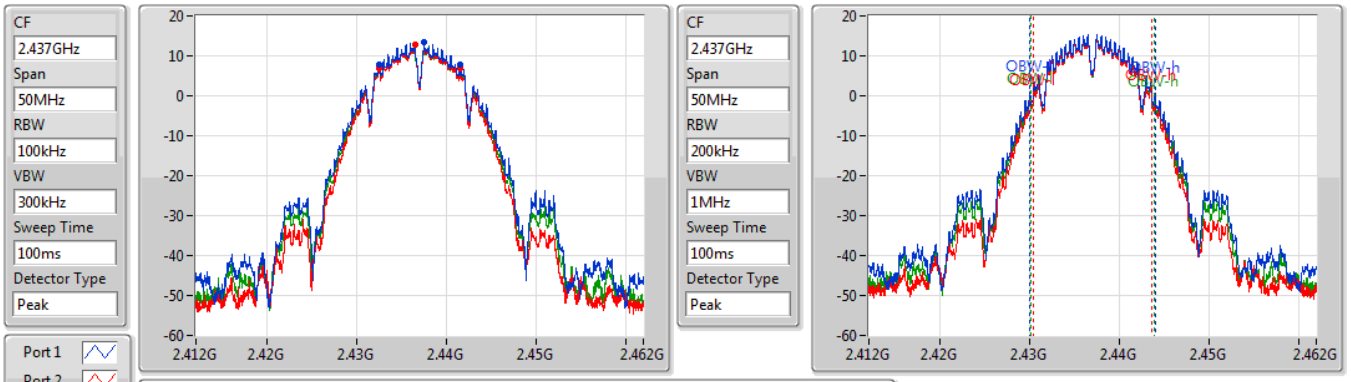
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.408425G	2.415975G	13.293M	2.405353G	2.418647G	500k	1
8.525M	2.407975G	2.4165G	13.143M	2.405428G	2.418572G	500k	2
9.525M	2.407475G	2.417G	13.543M	2.405228G	2.418772G	500k	3

802.11b_(1Mbps)_3TX

EBW

2437MHz

10/04/2020



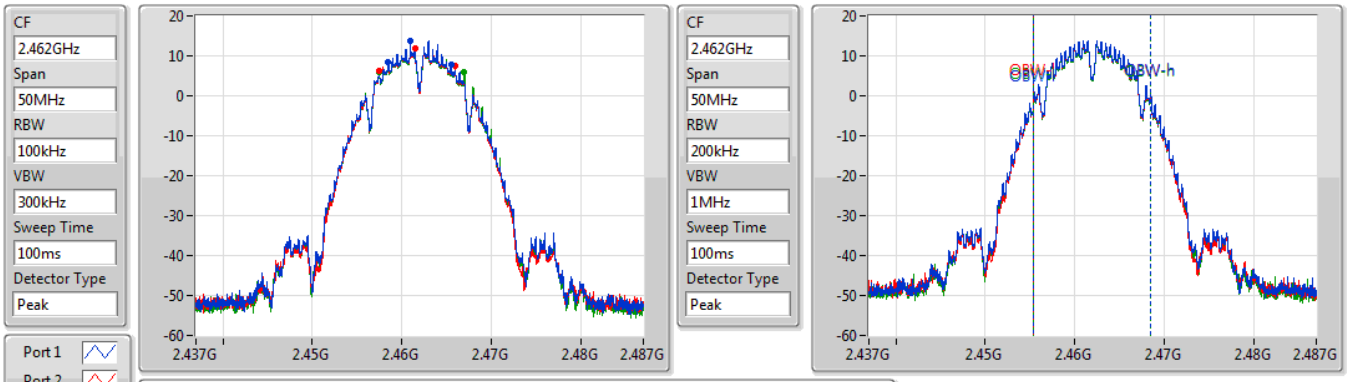
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.43245G	2.4415G	13.993M	2.429979G	2.443972G	500k	1
9.05M	2.43245G	2.4415G	13.268M	2.430328G	2.443597G	500k	2
9.075M	2.43245G	2.441525G	13.793M	2.430078G	2.443872G	500k	3

802.11b_(1Mbps)_3TX

EBW

2462MHz

10/04/2020



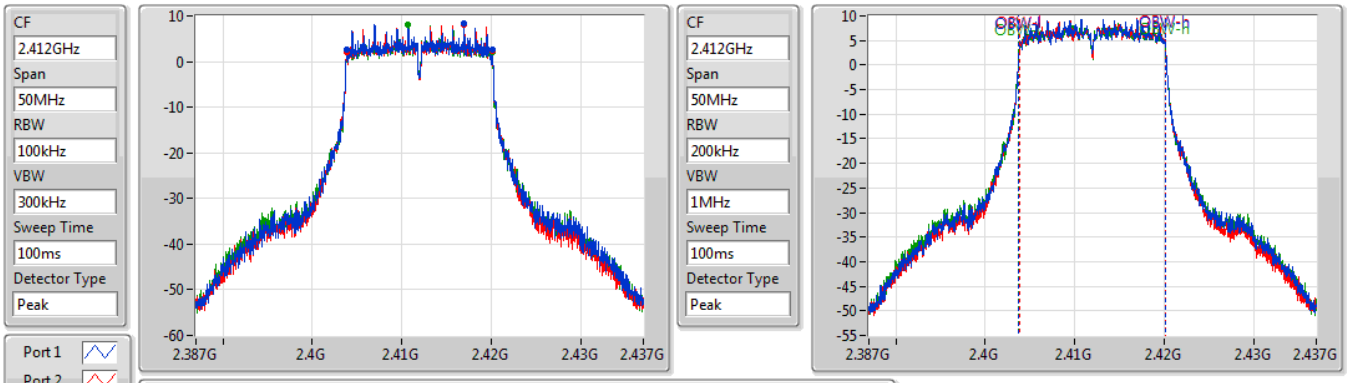
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.45845G	2.465525G	13.143M	2.455378G	2.468522G	500k	1
8.5M	2.457475G	2.465975G	13.068M	2.455428G	2.468497G	500k	2
9.5M	2.457475G	2.466975G	13.118M	2.455403G	2.468522G	500k	3

802.11g_(6Mbps)_3TX

EBW

2412MHz

10/04/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.403825G	2.420125G	16.392M	2.403779G	2.420171G	500k	1
16.3M	2.403825G	2.420125G	16.367M	2.403804G	2.420171G	500k	2
16.275M	2.403825G	2.4201G	16.417M	2.403779G	2.420196G	500k	3

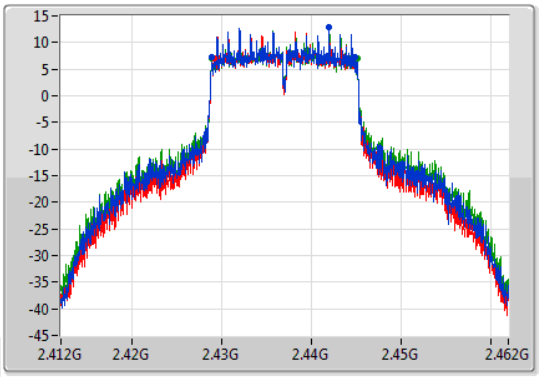
802.11g_(6Mbps)_3TX

EBW

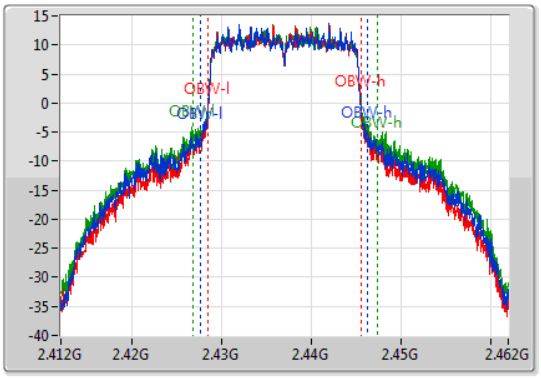
2437MHz

10/04/2020

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



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



Port 1
Port 2
Port 3

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16M	2.42885G	2.44485G	18.591M	2.427655G	2.446245G	500k	1
15.775M	2.429075G	2.44485G	17.116M	2.428404G	2.445521G	500k	2
16.275M	2.42885G	2.445125G	20.665M	2.426755G	2.44742G	500k	3

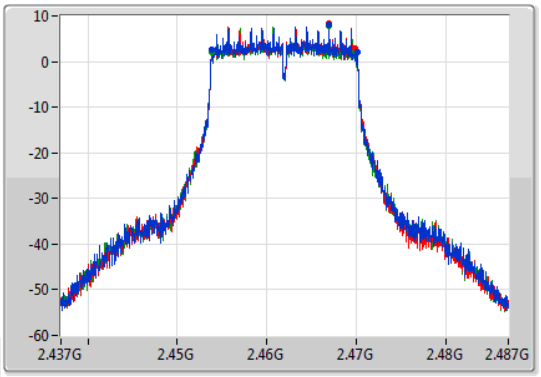
802.11g_(6Mbps)_3TX

EBW

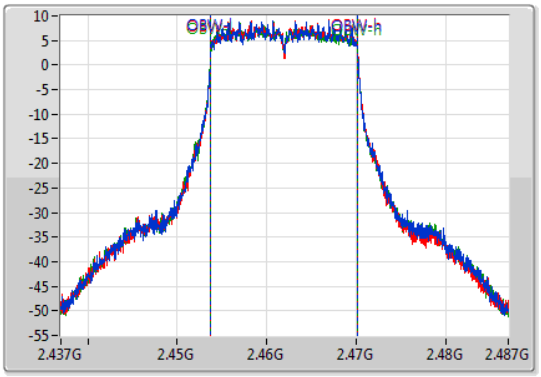
2462MHz

10/04/2020

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



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



Port 1
Port 2
Port 3

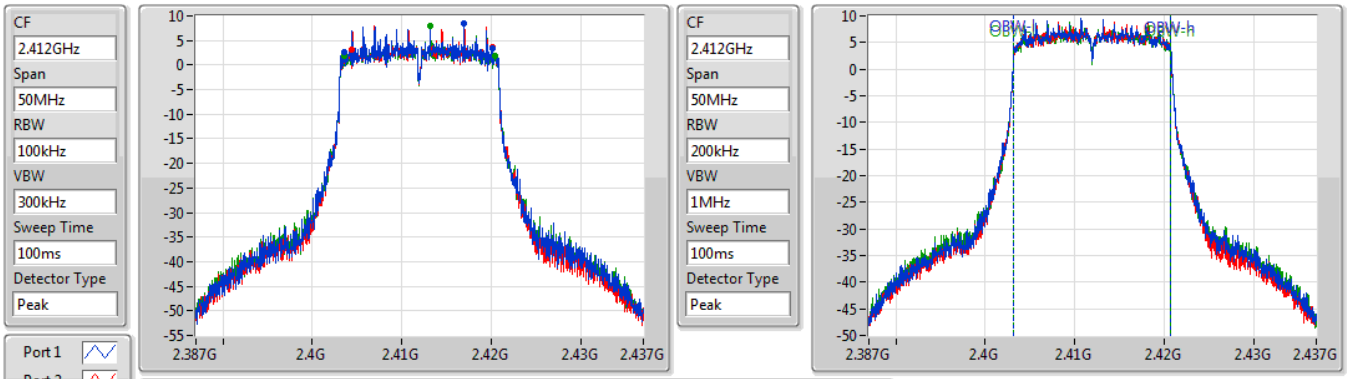
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.453825G	2.4701G	16.392M	2.453779G	2.470171G	500k	1
16.025M	2.453825G	2.46985G	16.392M	2.453779G	2.470171G	500k	2
16.025M	2.453825G	2.46985G	16.392M	2.453779G	2.470171G	500k	3

802.11n HT20_(MCS0)_3TX

EBW

2412MHz

10/04/2020



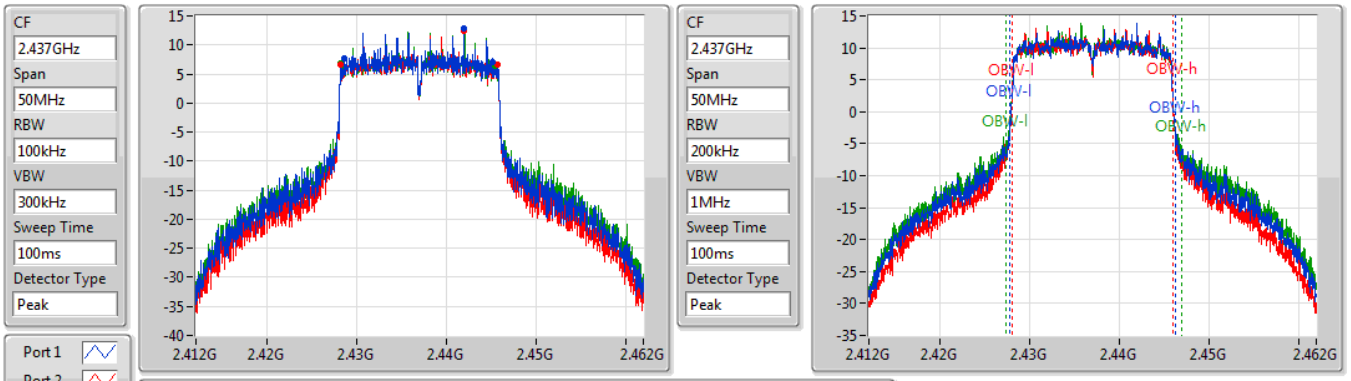
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.4036G	2.420125G	17.566M	2.403204G	2.420771G	500k	1
15.65M	2.40445G	2.4201G	17.566M	2.403204G	2.420771G	500k	2
16.85M	2.403575G	2.420425G	17.566M	2.403204G	2.420771G	500k	3

802.11n HT20_(MCS0)_3TX

EBW

2437MHz

10/04/2020



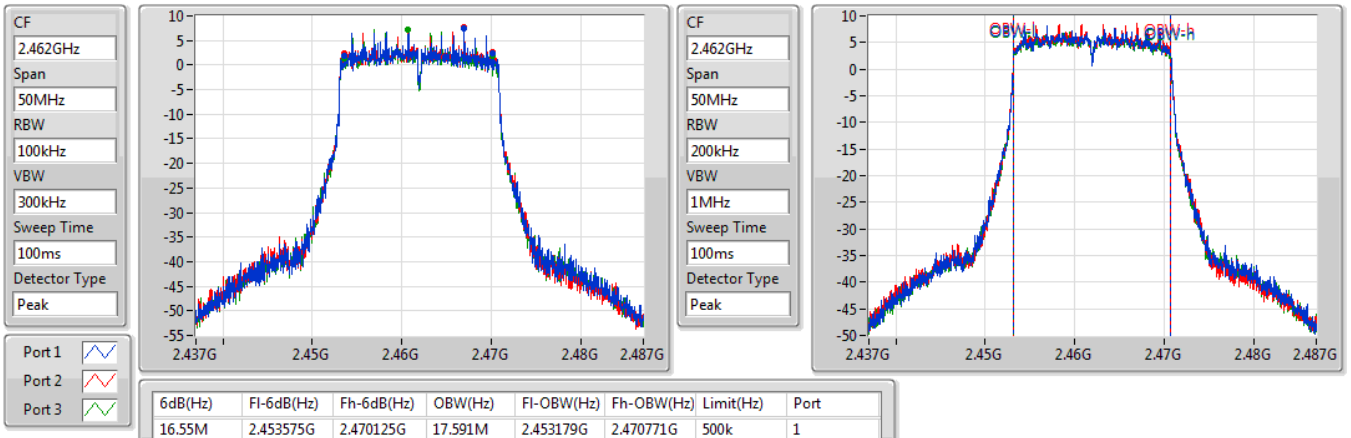
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.4286G	2.445125G	18.416M	2.42778G	2.446195G	500k	1
17.5M	2.428225G	2.445725G	17.941M	2.428004G	2.445946G	500k	2
17.25M	2.428225G	2.445475G	19.615M	2.427305G	2.44692G	500k	3

802.11n HT20_(MCS0)_3TX

EBW

2462MHz

10/04/2020



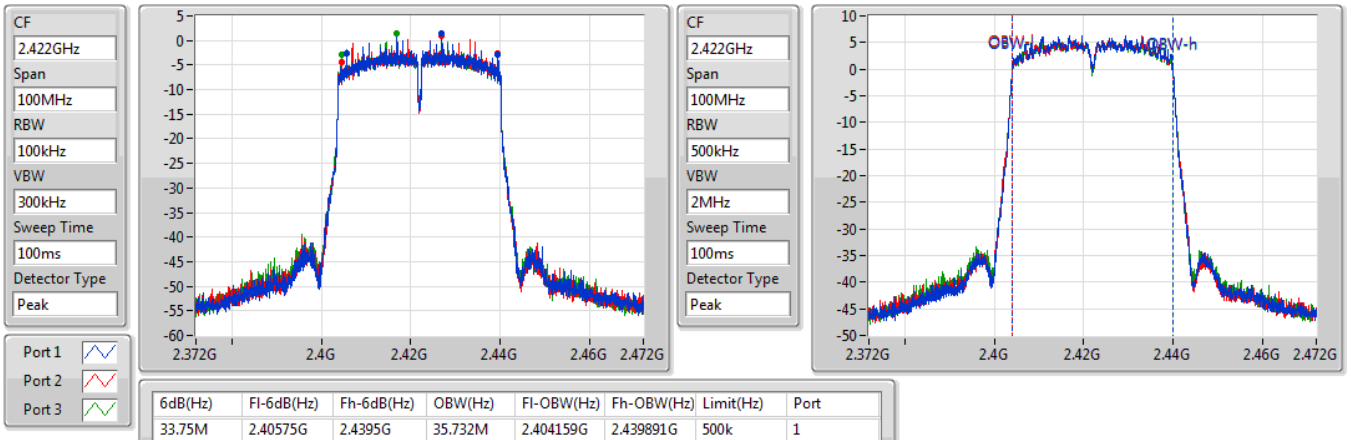
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.453575G	2.470125G	17.591M	2.453179G	2.470771G	500k	1
16.5M	2.4536G	2.4701G	17.566M	2.453179G	2.470746G	500k	2
16.55M	2.453575G	2.470125G	17.566M	2.453179G	2.470746G	500k	3

802.11n HT40_(MCS0)_3TX

EBW

2422MHz

10/04/2020



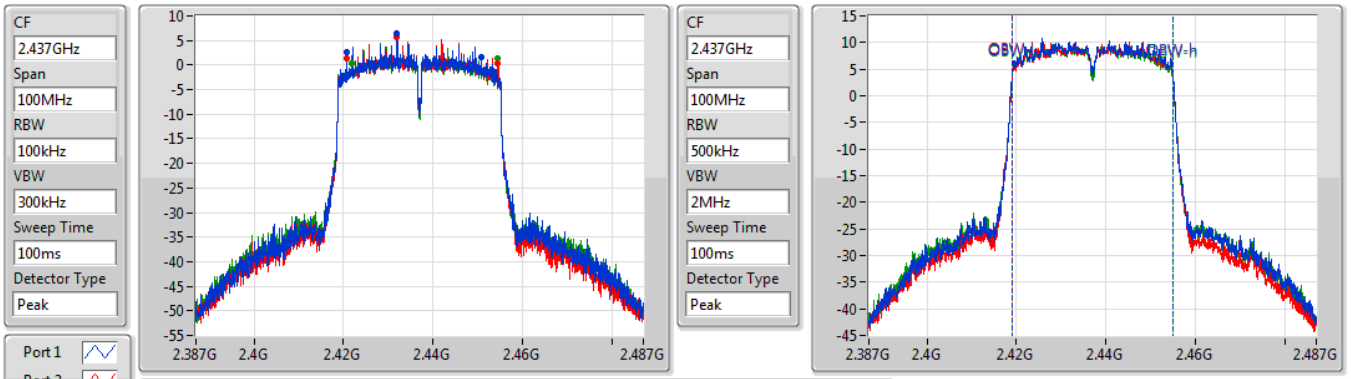
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.75M	2.40575G	2.4395G	35.732M	2.404159G	2.439891G	500k	1
34.95M	2.40455G	2.4395G	35.682M	2.404159G	2.439841G	500k	2
35M	2.4045G	2.4395G	35.782M	2.404109G	2.439891G	500k	3

802.11n HT40_(MCS0)_3TX

EBW

2437MHz

10/04/2020



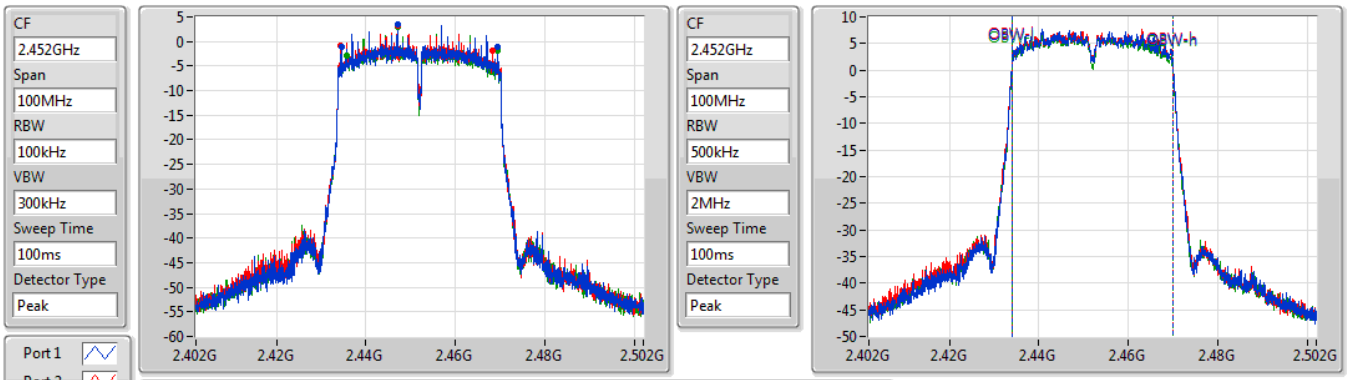
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.1M	2.4207G	2.4508G	35.782M	2.419109G	2.454891G	500k	1
33.75M	2.4207G	2.45445G	35.732M	2.419109G	2.454841G	500k	2
32.55M	2.42195G	2.4545G	35.832M	2.419059G	2.454891G	500k	3

802.11n HT40_(MCS0)_3TX

EBW

2452MHz

10/04/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	2.4345G	2.4695G	35.732M	2.434109G	2.469841G	500k	1
33.85M	2.43445G	2.4683G	35.732M	2.434109G	2.469841G	500k	2
33.85M	2.43565G	2.4695G	35.782M	2.434059G	2.469841G	500k	3

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_(1Mbps)_3TX	27.82	0.60534
802.11g_(6Mbps)_3TX	27.70	0.58884
802.11n HT20_(MCS0)_3TX	27.51	0.56364
802.11n HT40_(MCS0)_3TX	23.59	0.22856

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	4.60	22.44	22.07	22.70	27.18	30.00
2437MHz	Pass	4.60	23.42	22.82	22.89	27.82	30.00
2462MHz	Pass	4.60	22.07	21.99	21.69	26.69	30.00
802.11g_(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	4.60	18.92	18.90	18.63	23.59	30.00
2417MHz	Pass	4.60	20.74	20.88	20.80	25.58	30.00
2437MHz	Pass	4.60	23.00	22.84	22.94	27.70	30.00
2457MHz	Pass	4.60	20.30	20.22	20.03	24.96	30.00
2462MHz	Pass	4.60	18.78	18.88	18.42	23.47	30.00
802.11n HT20_(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	4.60	18.56	18.53	18.30	23.24	30.00
2417MHz	Pass	4.60	20.71	20.58	20.68	25.43	30.00
2437MHz	Pass	4.60	22.84	22.61	22.77	27.51	30.00
2457MHz	Pass	4.60	20.23	20.09	19.95	24.86	30.00
2462MHz	Pass	4.60	17.88	18.07	17.62	22.63	30.00
802.11n HT40_(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	4.60	14.99	14.78	14.82	19.64	30.00
2427MHz	Pass	4.60	17.05	17.00	17.08	21.81	30.00
2437MHz	Pass	4.60	18.88	18.85	18.72	23.59	30.00
2452MHz	Pass	4.60	15.96	16.33	15.84	20.82	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_(1Mbps)_3TX	0.29
802.11g_(6Mbps)_3TX	-1.10
802.11n HT20_(MCS0)_3TX	-1.25
802.11n HT40_(MCS0)_3TX	-6.10

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

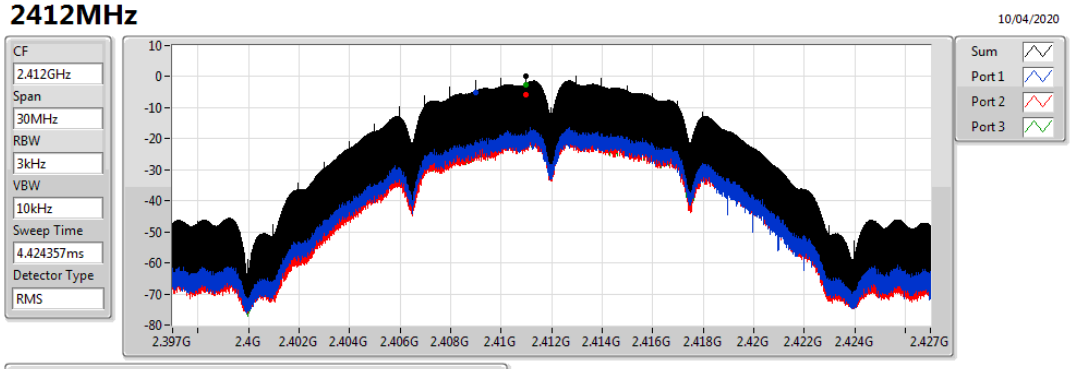
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	8.86	-5.25	-5.84	-2.58	0.29	5.14
2437MHz	Pass	8.86	-2.05	-5.45	-5.66	-0.39	5.14
2462MHz	Pass	8.86	-6.27	-4.68	-5.11	-1.18	5.14
802.11g_(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	8.86	-8.88	-9.27	-8.72	-5.50	5.14
2437MHz	Pass	8.86	-4.88	-4.31	-4.58	-1.10	5.14
2462MHz	Pass	8.86	-9.26	-9.10	-8.52	-5.15	5.14
802.11n HT20_(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz	Pass	8.86	-7.91	-8.46	-9.20	-5.26	5.14
2437MHz	Pass	8.86	-5.56	-6.21	-5.63	-1.25	5.14
2462MHz	Pass	8.86	-9.89	-10.13	-10.29	-6.21	5.14
802.11n HT40_(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz	Pass	8.86	-15.69	-15.42	-14.72	-11.32	5.14
2437MHz	Pass	8.86	-8.39	-10.62	-10.46	-6.10	5.14
2452MHz	Pass	8.86	-14.18	-12.64	-13.46	-9.36	5.14

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_(1Mbps)_3TX PSD

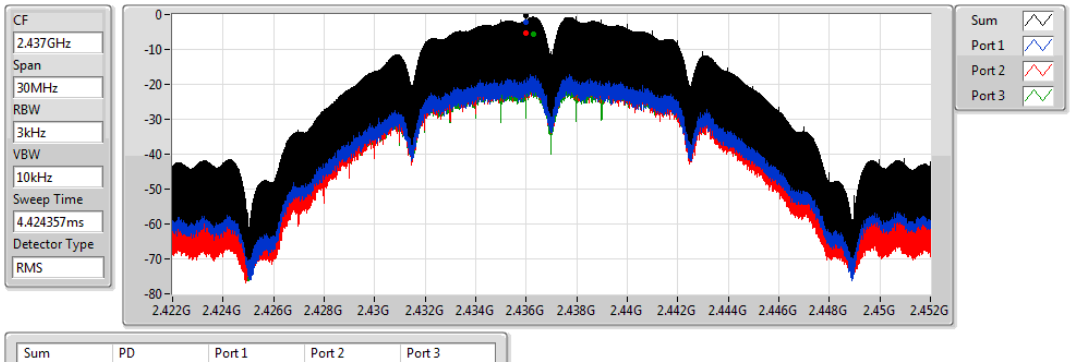
2412MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.29	0.29	-5.25	-5.84	-2.58

802.11b_(1Mbps)_3TX PSD

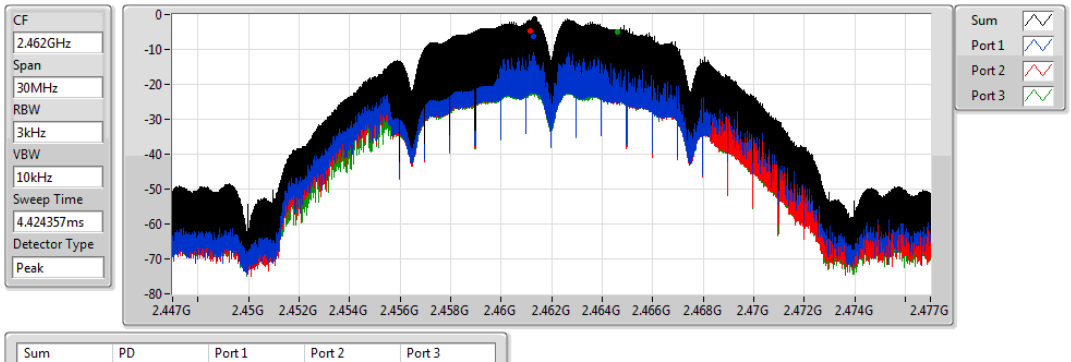
2437MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.39	-0.39	-2.05	-5.45	-5.66

802.11b_(1Mbps)_3TX PSD

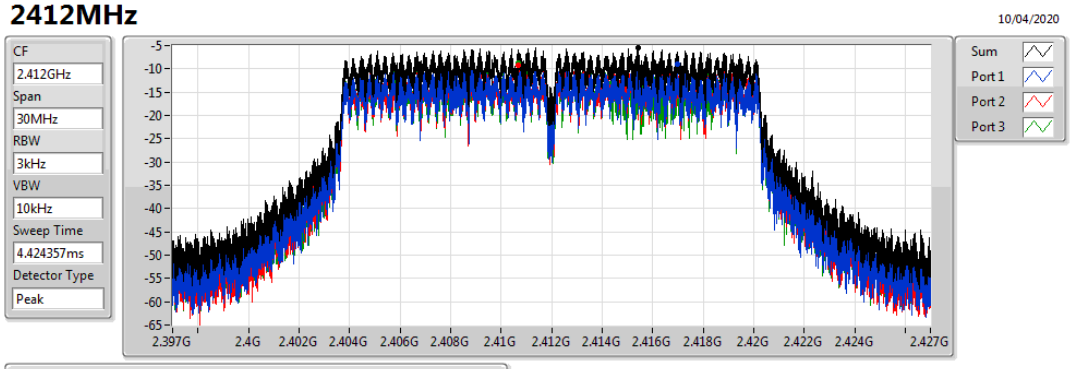
2462MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.18	-1.18	-6.27	-4.68	-5.11

802.11g_(6Mbps)_3TX PSD

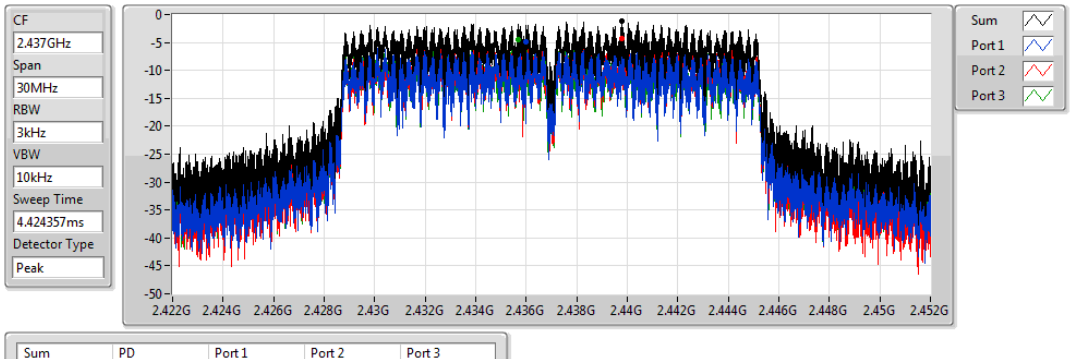
2412MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.50	-5.50	-8.88	-9.27	-8.72

802.11g_(6Mbps)_3TX PSD

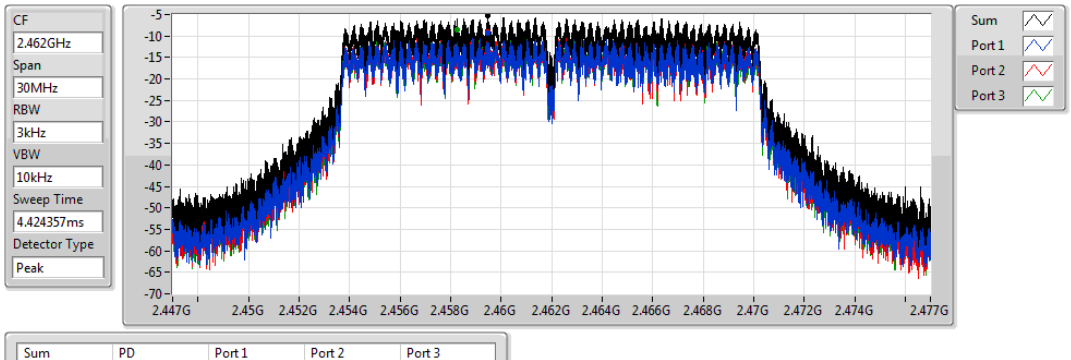
2437MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.10	-1.10	-4.88	-4.31	-4.58

802.11g_(6Mbps)_3TX PSD

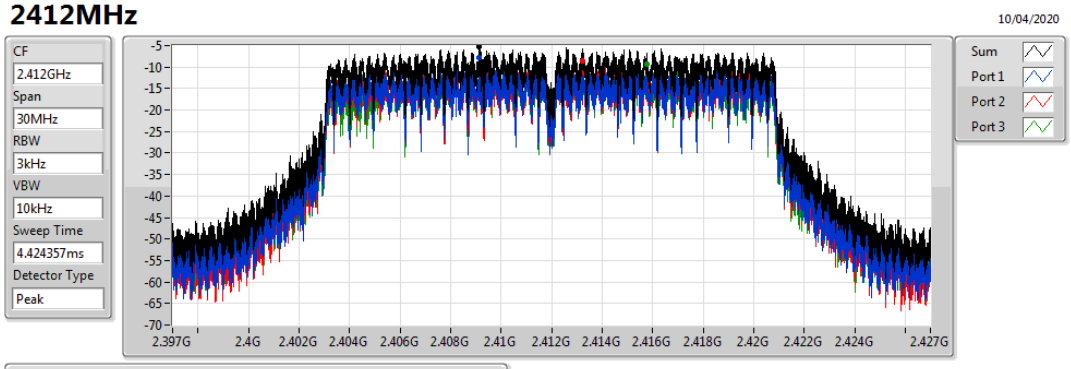
2462MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.15	-5.15	-9.26	-9.10	-8.52

802.11n HT20_(MCS0)_3TX PSD

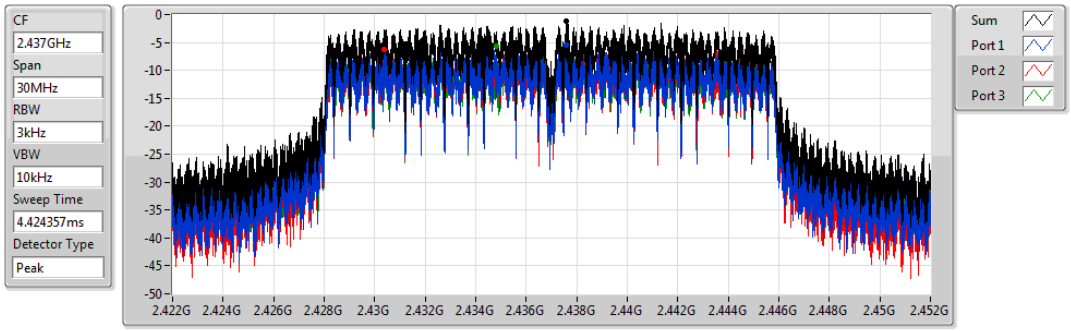
2412MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.26	-5.26	-7.91	-8.46	-9.20

802.11n HT20_(MCS0)_3TX PSD

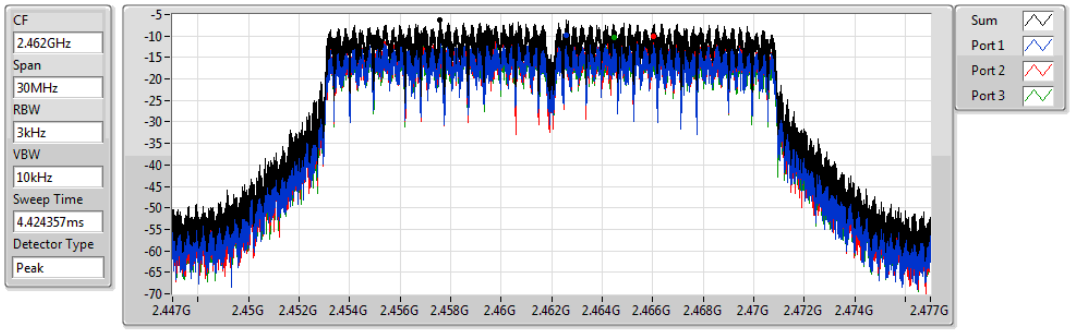
2437MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.25	-1.25	-5.56	-6.21	-5.63

802.11n HT20_(MCS0)_3TX PSD

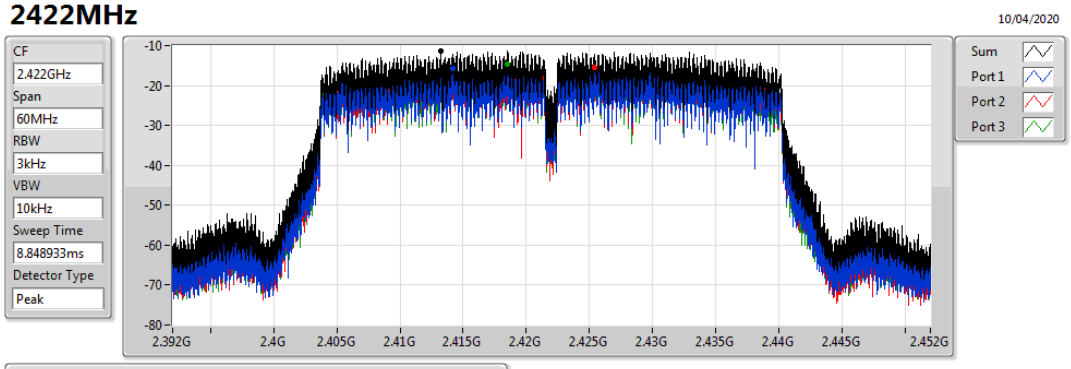
2462MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.21	-6.21	-9.89	-10.13	-10.29

802.11n HT40_(MCS0)_3TX PSD

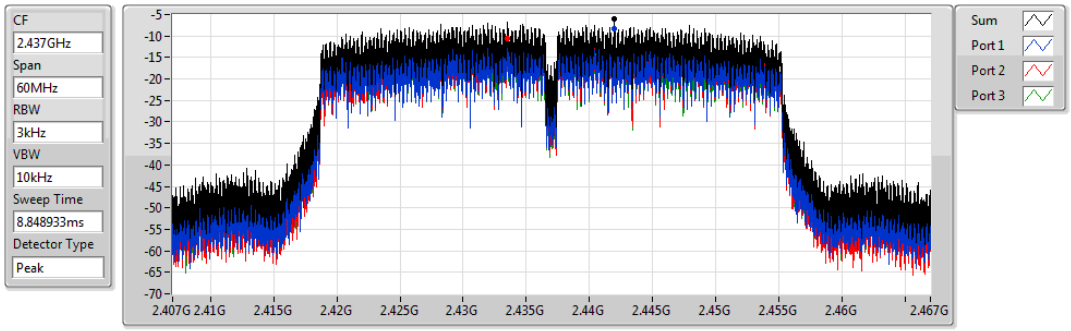
2422MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.32	-11.32	-15.69	-15.42	-14.72

802.11n HT40_(MCS0)_3TX PSD

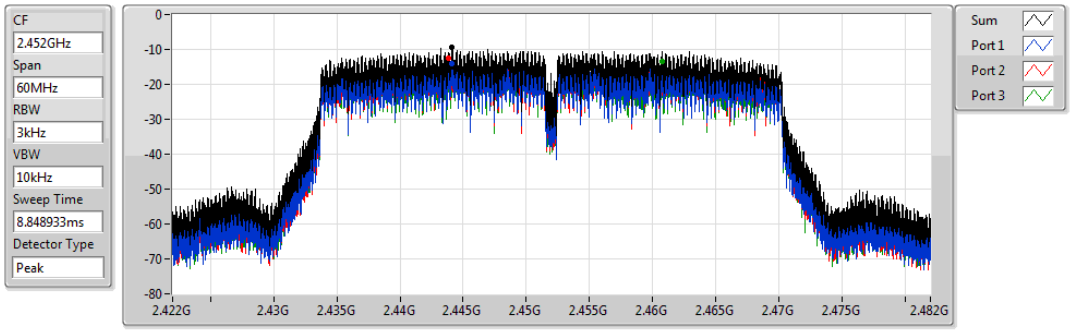
2437MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.10	-6.10	-8.39	-10.62	-10.46

802.11n HT40_(MCS0)_3TX PSD

2452MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.36	-9.36	-14.18	-12.64	-13.46

Summary

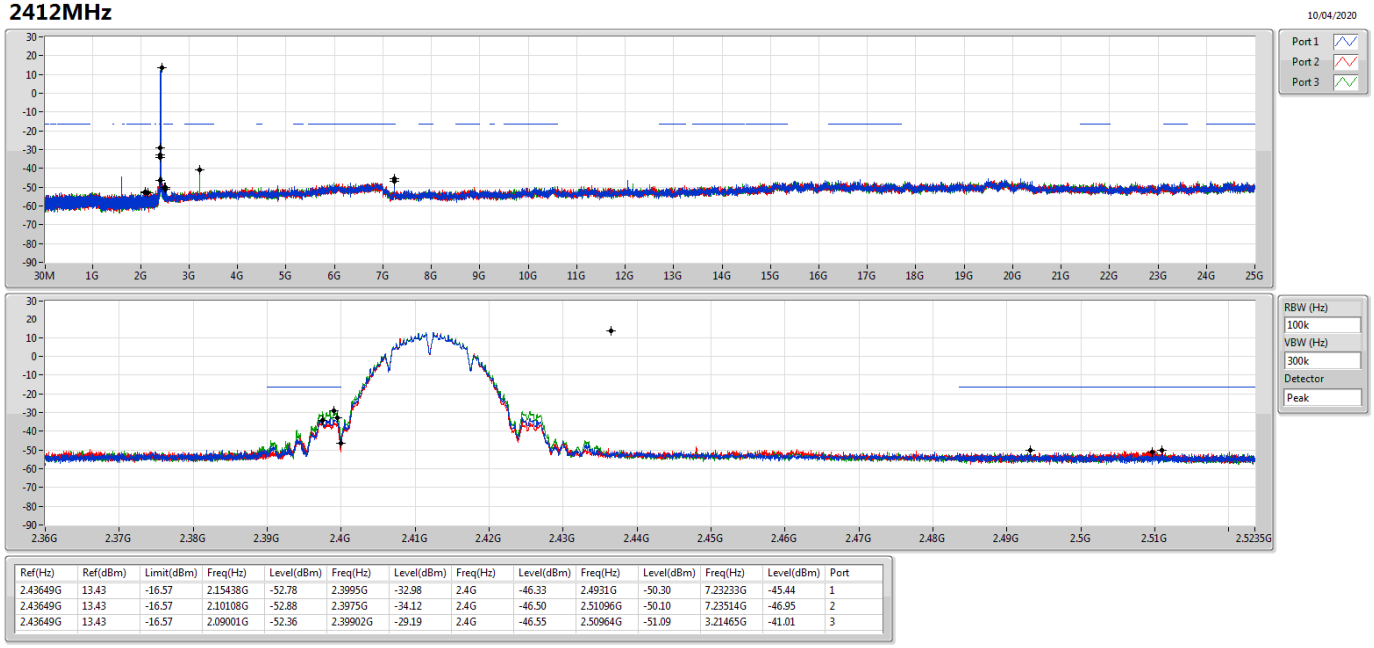
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_(1Mbps)_3TX	Pass	2.43649G	13.43	-16.57	2.09001G	-52.36	2.39902G	-29.19	2.4G	-46.55	2.50964G	-51.09	3.21465G	-41.01	3
802.11g_(6Mbps)_3TX	Pass	2.442G	12.77	-17.23	695.8M	-53.05	2.39974G	-29.88	2.4G	-31.58	2.51312G	-50.87	16.43364G	-46.99	1
802.11n HT20_(MCS0)_3TX	Pass	2.44196G	12.79	-17.21	901.42M	-52.49	2.39986G	-29.74	2.4G	-28.25	2.50514G	-51.41	3.21465G	-40.38	3
802.11n HT40_(MCS0)_3TX	Pass	2.43194G	6.18	-23.82	2.14539G	-51.91	2.39956G	-35.56	2.4G	-39.73	2.48358G	-43.97	3.24781G	-41.37	3

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_(1Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	13.43	-16.57	2.15438G	-52.78	2.3995G	-32.98	2.4G	-46.33	2.4931G	-50.30	7.23233G	-45.44	1
2412MHz	Pass	2.43649G	13.43	-16.57	2.10108G	-52.88	2.3975G	-34.12	2.4G	-46.50	2.51096G	-50.10	7.23514G	-46.95	2
2412MHz	Pass	2.43649G	13.43	-16.57	2.09001G	-52.36	2.39902G	-29.19	2.4G	-46.55	2.50964G	-51.09	3.21465G	-41.01	3
2417MHz															
2437MHz	Pass	2.43649G	13.43	-16.57	1.62459G	-44.13	2.39768G	-49.54	2.4G	-51.40	2.48512G	-50.99	24.3538G	-46.92	1
2437MHz	Pass	2.43649G	13.43	-16.57	1.62459G	-52.38	2.39024G	-49.28	2.4835G	-51.02	2.48352G	-48.51	16.41117G	-46.48	2
2437MHz	Pass	2.43649G	13.43	-16.57	1.62459G	-48.38	2.39206G	-49.73	2.4835G	-52.41	2.48672G	-50.47	3.24837G	-42.18	3
2457MHz															
2462MHz	Pass	2.43649G	13.43	-16.57	1.64149G	-49.23	2.39614G	-51.52	2.4835G	-51.39	2.48764G	-49.85	16.34374G	-46.49	1
2462MHz	Pass	2.43649G	13.43	-16.57	885.69M	-45.53	2.39596G	-51.11	2.4835G	-53.38	2.50848G	-48.71	24.77524G	-46.34	2
2462MHz	Pass	2.43649G	13.43	-16.57	1.64149G	-49.54	2.39596G	-50.26	2.4G	-51.83	2.49598G	-49.97	3.28208G	-41.96	3
802.11g_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	12.77	-17.23	695.8M	-53.05	2.39974G	-29.88	2.4G	-31.58	2.51312G	-50.87	16.43364G	-46.99	1
2412MHz	Pass	2.442G	12.77	-17.23	1.75012G	-53.10	2.39986G	-32.04	2.4G	-33.83	2.48898G	-50.98	16.47298G	-47.11	2
2412MHz	Pass	2.442G	12.77	-17.23	2.1005G	-52.36	2.3991G	-30.27	2.4G	-31.41	2.496G	-49.54	3.21465G	-39.88	3
2417MHz															
2437MHz	Pass	2.442G	12.77	-17.23	1.62459G	-50.30	2.39984G	-40.76	2.4G	-45.08	2.48386G	-47.08	16.74831G	-46.62	1
2437MHz	Pass	2.442G	12.77	-17.23	951.81M	-52.50	2.39824G	-42.17	2.4G	-44.34	2.48972G	-48.19	16.48422G	-46.42	2
2437MHz	Pass	2.442G	12.77	-17.23	902.29M	-52.97	2.3992G	-39.98	2.4G	-42.84	2.48358G	-47.89	3.24837G	-43.28	3
2457MHz															
2462MHz	Pass	2.442G	12.77	-17.23	1.64149G	-48.41	2.39956G	-51.58	2.4835G	-46.12	2.4835G	-43.22	16.79608G	-46.16	1
2462MHz	Pass	2.442G	12.77	-17.23	2.08564G	-52.47	2.39842G	-51.51	2.4835G	-47.99	2.4835G	-45.02	16.50107G	-47.30	2
2462MHz	Pass	2.442G	12.77	-17.23	950.93M	-53.31	2.39362G	-51.19	2.4835G	-45.18	2.4841G	-45.51	3.28208G	-41.58	3
802.11n HT20_(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	12.79	-17.21	915.11M	-50.97	2.39986G	-30.07	2.4G	-31.51	2.4914G	-50.83	16.74551G	-46.99	1
2412MHz	Pass	2.44196G	12.79	-17.21	565.9M	-52.54	2.39986G	-31.06	2.4G	-33.36	2.4845G	-50.87	24.14589G	-47.20	2
2412MHz	Pass	2.44196G	12.79	-17.21	901.42M	-52.49	2.39986G	-29.74	2.4G	-28.25	2.50514G	-51.41	3.21465G	-40.38	3
2417MHz															
2437MHz	Pass	2.44196G	12.79	-17.21	1.62459G	-48.52	2.39882G	-40.75	2.4G	-44.65	2.48388G	-47.23	15.22272G	-46.40	1
2437MHz	Pass	2.44196G	12.79	-17.21	648.91M	-53.19	2.39948G	-41.81	2.4G	-45.77	2.48416G	-48.59	16.48141G	-46.16	2
2437MHz	Pass	2.44196G	12.79	-17.21	2.12467G	-51.68	2.39982G	-40.37	2.4G	-42.33	2.48408G	-47.04	3.24837G	-42.10	3
2457MHz															
2462MHz	Pass	2.44196G	12.79	-17.21	1.6412G	-49.30	2.39586G	-51.48	2.4835G	-47.17	2.48352G	-45.31	16.88879G	-46.17	1
2462MHz	Pass	2.44196G	12.79	-17.21	463.09M	-53.04	2.3933G	-52.00	2.4835G	-46.24	2.4841G	-46.34	23.13726G	-46.33	2
2462MHz	Pass	2.44196G	12.79	-17.21	1.92021G	-52.62	2.39946G	-52.10	2.4835G	-46.42	2.48386G	-43.97	3.28208G	-42.07	3
802.11n HT40_(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43194G	6.18	-23.82	2.08556G	-53.01	2.39636G	-40.17	2.4G	-44.91	2.4923G	-52.00	16.31988G	-46.15	1
2422MHz	Pass	2.43194G	6.18	-23.82	899.34M	-52.90	2.39636G	-40.79	2.4G	-46.25	2.4865G	-51.18	6.76193G	-46.63	2
2422MHz	Pass	2.43194G	6.18	-23.82	1.94845G	-53.05	2.39572G	-39.11	2.4G	-45.73	2.48686G	-51.27	3.22818G	-40.51	3
2427MHz															
2437MHz	Pass	2.43194G	6.18	-23.82	1.6247G	-48.99	2.39948G	-35.92	2.4G	-39.31	2.48378G	-45.22	16.84714G	-46.81	1
2437MHz	Pass	2.43194G	6.18	-23.82	899.34M	-52.90	2.39824G	-37.89	2.4G	-39.60	2.48382G	-44.69	24.81209G	-46.60	2
2437MHz	Pass	2.43194G	6.18	-23.82	2.14539G	-51.91	2.39956G	-35.56	2.4G	-39.73	2.48358G	-43.97	3.24781G	-41.37	3
2452MHz	Pass	2.43194G	6.18	-23.82	1.63472G	-49.46	2.3938G	-51.57	2.4835G	-46.44	2.4853G	-45.67	16.52181G	-46.07	1
2452MHz	Pass	2.43194G	6.18	-23.82	1.85799G	-52.41	2.39496G	-51.34	2.4835G	-47.06	2.48442G	-44.69	16.83592G	-47.06	2
2452MHz	Pass	2.43194G	6.18	-23.82	1.92011G	-52.76	2.39544G	-52.36	2.4835G	-47.22	2.48442G	-45.05	3.26745G	-40.84	3

802.11b_(1Mbps)_3TX **CSE NdB**

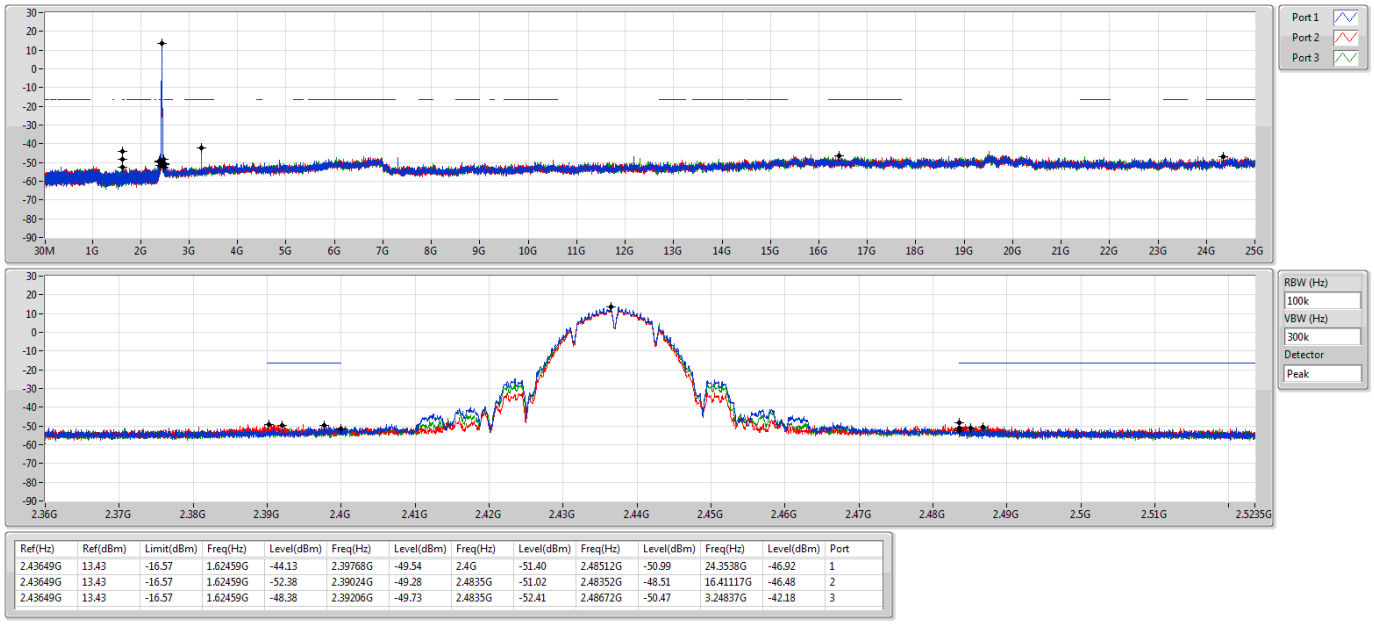
2412MHz



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	13.43	-16.57	2.15438G	-52.78	2.3995G	-32.98	2.4G	-46.33	2.4931G	-50.30	7.23233G	-45.44	1
2.43649G	13.43	-16.57	2.10108G	-52.88	2.3975G	-34.12	2.4G	-46.50	2.51096G	-50.10	7.23514G	-46.95	2
2.43649G	13.43	-16.57	2.09001G	-52.36	2.39902G	-29.19	2.4G	-46.55	2.50964G	-51.09	3.21465G	-41.01	3

802.11b_(1Mbps)_3TX **CSE NdB**

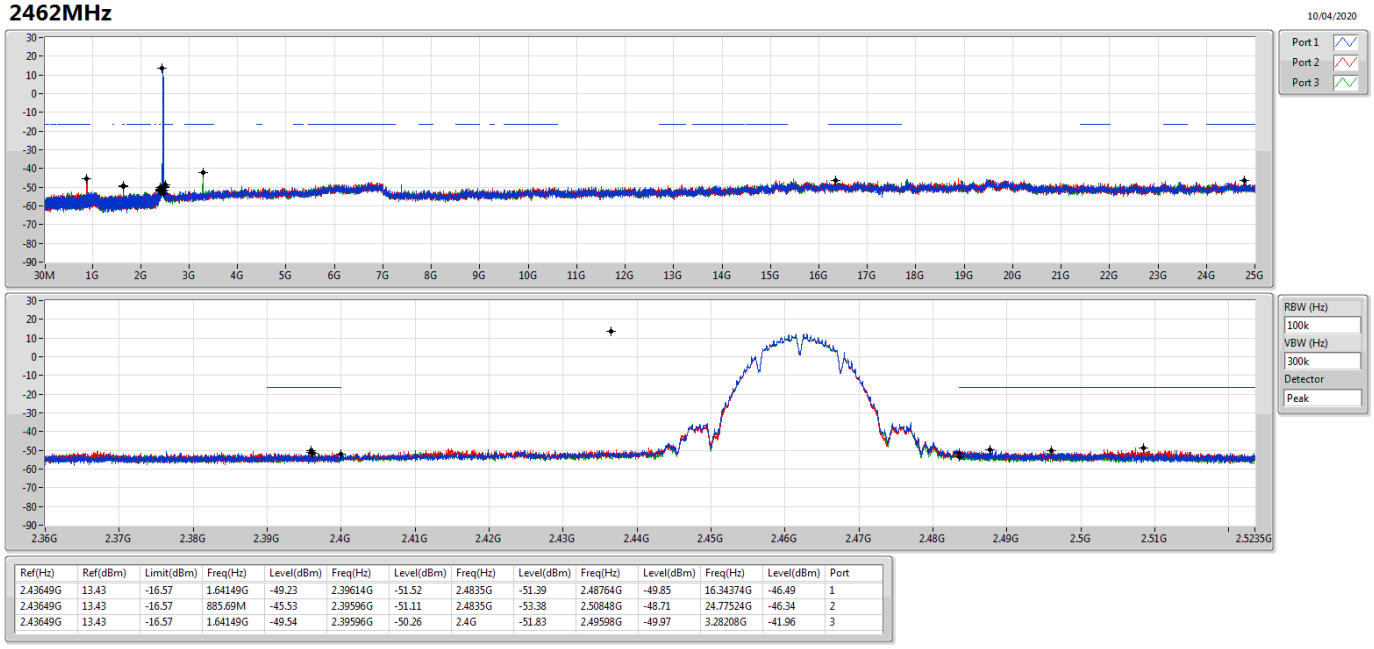
2437MHz



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	13.43	-16.57	1.62459G	-44.13	2.39768G	-49.54	2.4G	-51.40	2.48512G	-50.99	24.3538G	-46.92	1
2.43649G	13.43	-16.57	1.62459G	-52.38	2.39024G	-49.28	2.4835G	-51.02	2.48352G	-48.51	16.41117G	-46.48	2
2.43649G	13.43	-16.57	1.62459G	-48.38	2.39206G	-49.73	2.4835G	-52.41	2.48672G	-50.47	3.24837G	-42.18	3

802.11b_(1Mbps)_3TX **CSE NdB**

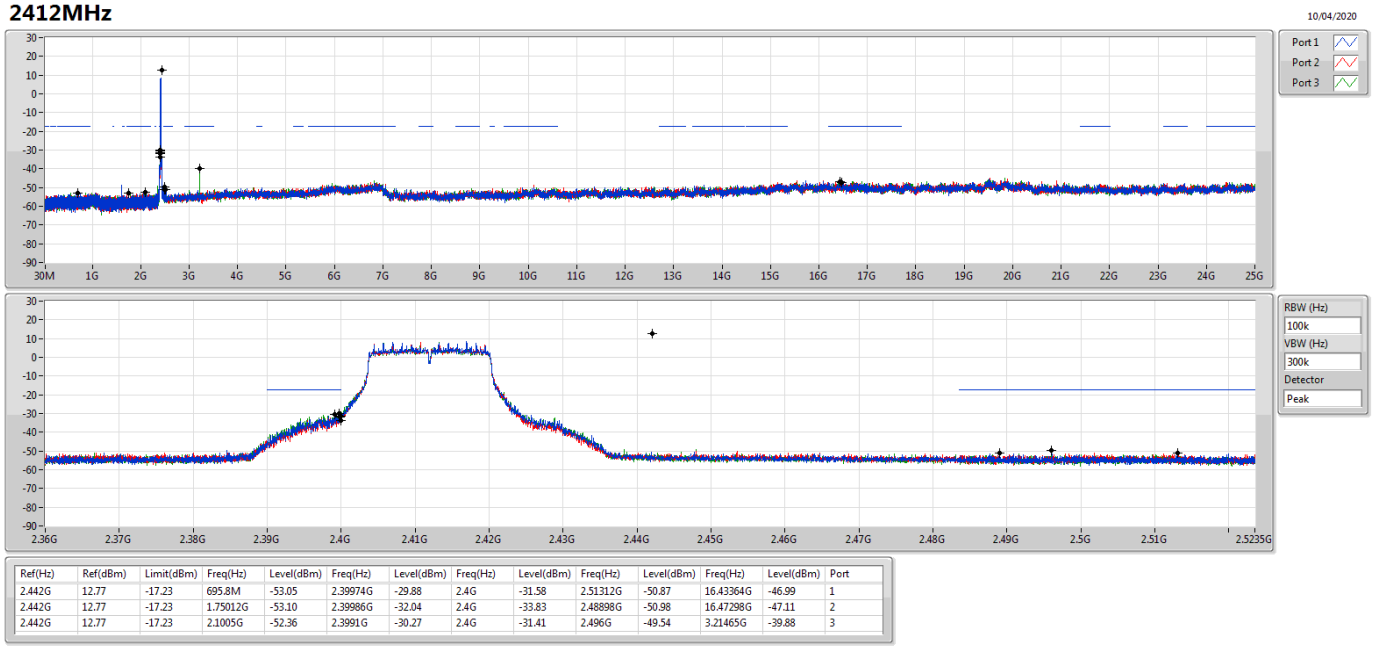
2462MHz



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	13.43	-16.57	1.64149G	-49.23	2.39614G	-51.52	2.4835G	-51.39	2.48764G	-49.85	16.34374G	-46.49	1
2.43649G	13.43	-16.57	885.69M	-45.53	2.39596G	-51.11	2.4835G	-53.38	2.50848G	-48.71	24.77524G	-46.34	2
2.43649G	13.43	-16.57	1.64149G	-49.54	2.39596G	-50.26	2.4G	-51.83	2.49598G	-49.97	3.28208G	-41.96	3

802.11g_(6Mbps)_3TX **CSE NdB**

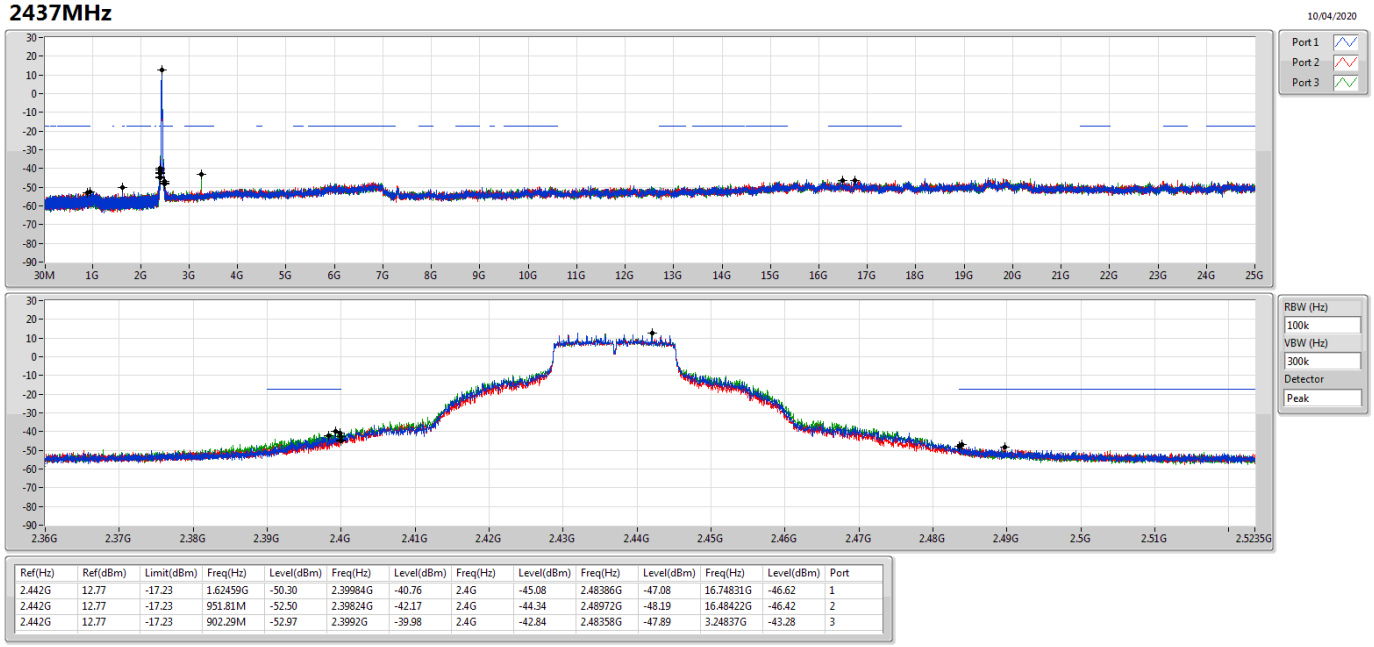
2412MHz



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	12.77	-17.23	695.8M	-53.05	2.39974G	-29.88	2.4G	-31.58	2.51312G	-50.87	16.43364G	-46.99	1
2.442G	12.77	-17.23	1.75012G	-53.10	2.39986G	-32.04	2.4G	-33.83	2.48898G	-50.98	16.47298G	-47.11	2
2.442G	12.77	-17.23	2.1005G	-52.36	2.3991G	-30.27	2.4G	-31.41	2.496G	-49.54	3.21465G	-39.88	3

802.11g_(6Mbps)_3TX **CSE NdB**

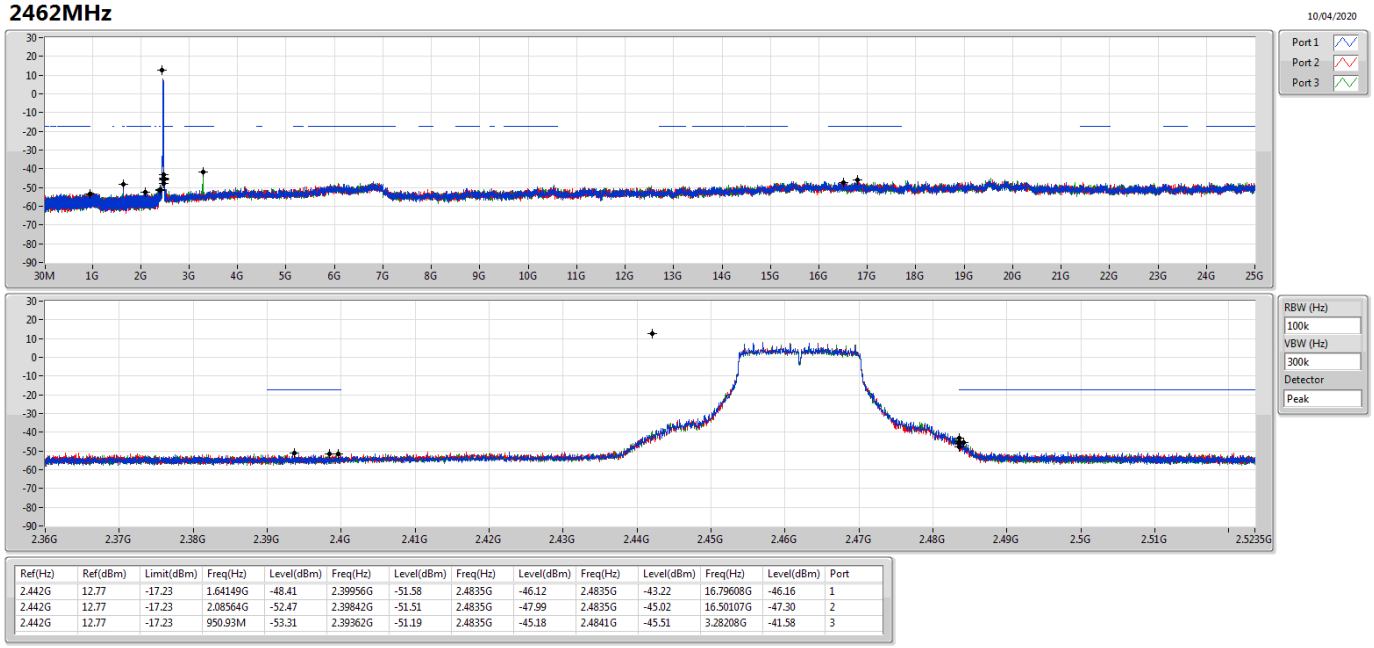
2437MHz



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	12.77	-17.23	1.62459G	-50.30	2.39984G	-40.76	2.4G	-45.08	2.48386G	-47.08	16.74831G	-46.62	1
2.442G	12.77	-17.23	951.81M	-52.50	2.39824G	-42.17	2.4G	-44.34	2.48972G	-48.19	16.48422G	-46.42	2
2.442G	12.77	-17.23	902.29M	-52.97	2.3992G	-39.98	2.4G	-42.84	2.48358G	-47.89	3.24837G	-43.28	3

802.11g_(6Mbps)_3TX **CSE NdB**

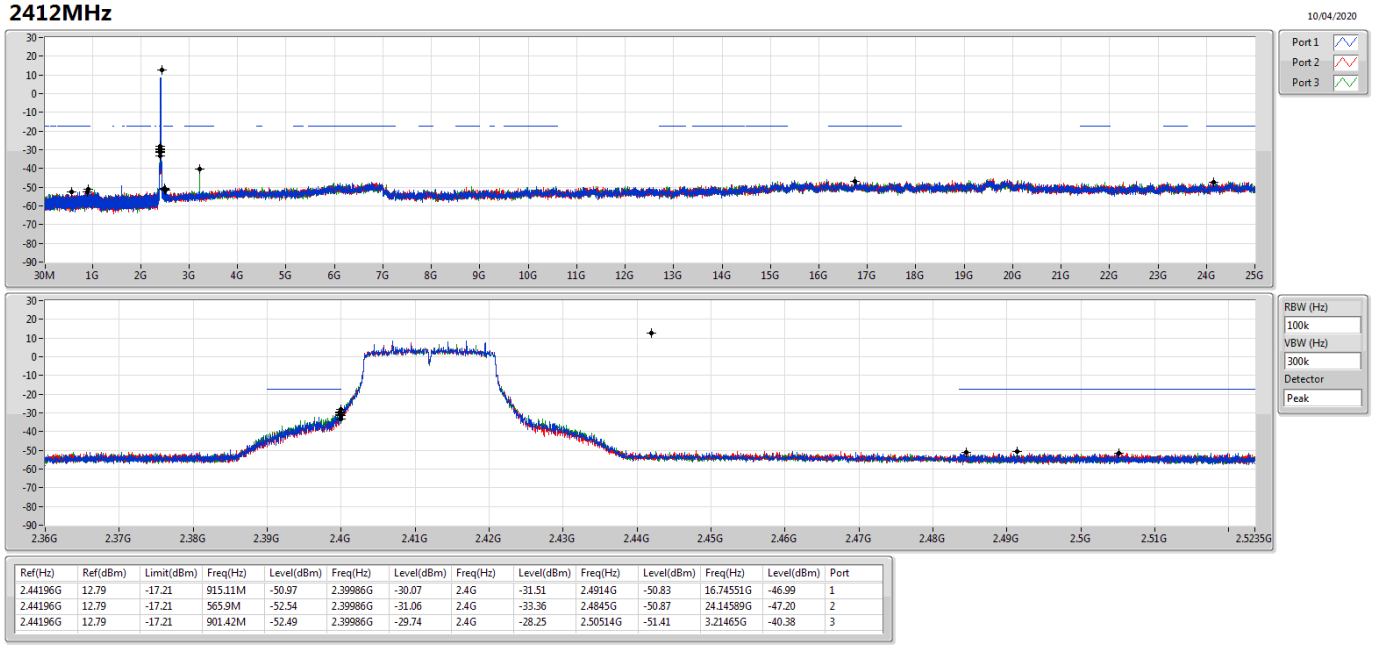
2462MHz



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	12.77	-17.23	1.64149G	-48.41	2.39956G	-51.58	2.4835G	-46.12	2.4835G	-43.22	16.79608G	-46.16	1
2.442G	12.77	-17.23	2.08564G	-52.47	2.39842G	-51.51	2.4835G	-47.99	2.4835G	-45.02	16.50107G	-47.30	2
2.442G	12.77	-17.23	950.93M	-53.31	2.39362G	-51.19	2.4835G	-45.18	2.4841G	-45.51	3.28208G	-41.58	3

802.11n HT20_(MCS0)_3TX **CSE NdB**

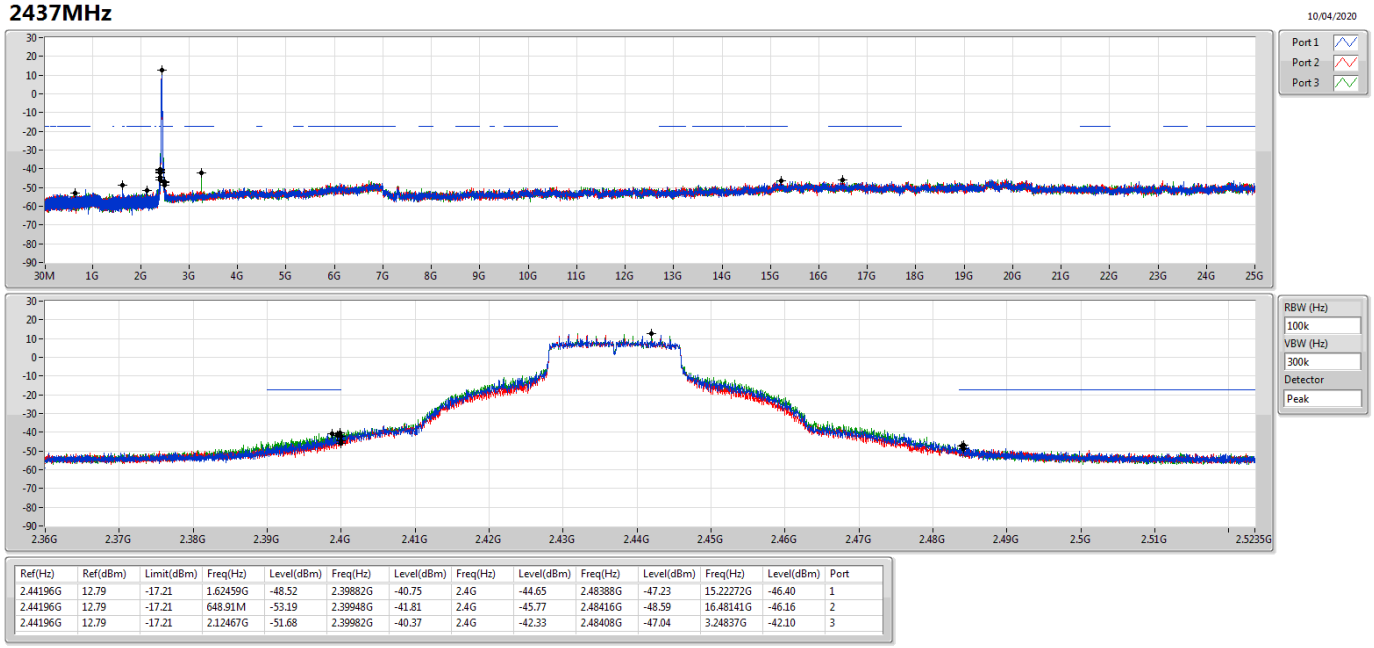
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	12.79	-17.21	915.11M	-50.97	2.39986G	-30.07	2.4G	-31.51	2.4914G	-50.83	16.74551G	-46.99	1
2.44196G	12.79	-17.21	565.9M	-52.54	2.39986G	-31.06	2.4G	-33.36	2.4845G	-50.87	24.14589G	-47.20	2
2.44196G	12.79	-17.21	901.42M	-52.49	2.39986G	-29.74	2.4G	-28.25	2.50514G	-51.41	3.21465G	-40.38	3

802.11n HT20_(MCS0)_3TX **CSE NdB**

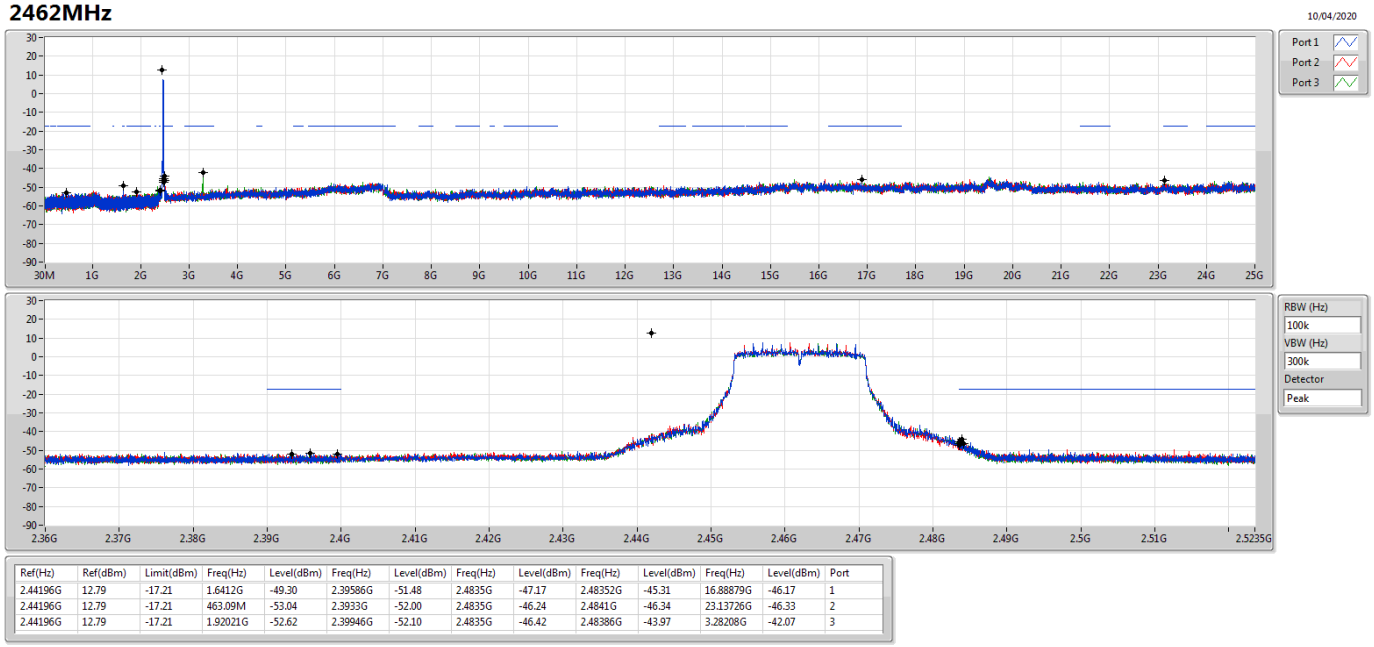
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	12.79	-17.21	1.62459G	-48.52	2.39882G	-40.75	2.4G	-44.65	2.48388G	-47.23	15.22272G	-46.40	1
2.44196G	12.79	-17.21	648.91M	-53.19	2.39948G	-41.81	2.4G	-45.77	2.48416G	-48.59	16.48141G	-46.16	2
2.44196G	12.79	-17.21	2.12467G	-51.68	2.39982G	-40.37	2.4G	-42.33	2.48408G	-47.04	3.24837G	-42.10	3

802.11n HT20_(MCS0)_3TX **CSE NdB**

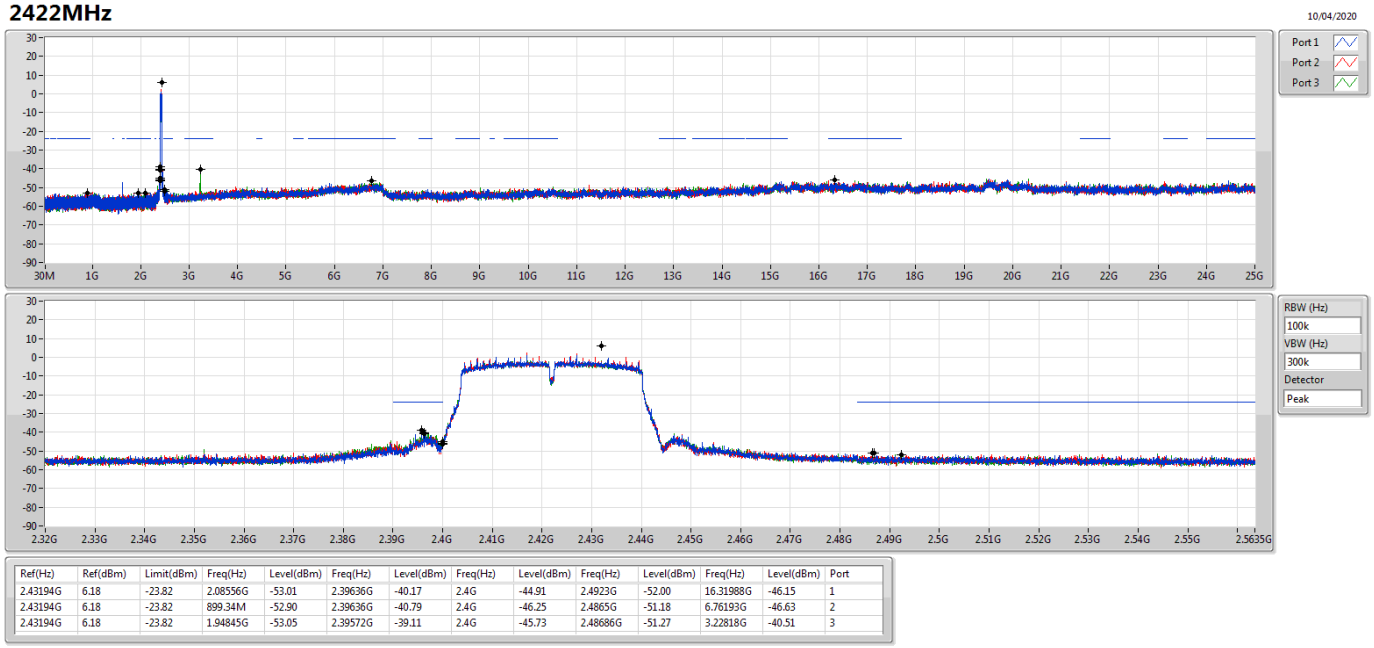
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	12.79	-17.21	1.6412G	-49.30	2.39586G	-51.48	2.4835G	-47.17	2.48352G	-45.31	16.88879G	-46.17	1
2.44196G	12.79	-17.21	463.09M	-53.04	2.3933G	-52.00	2.4835G	-46.24	2.4841G	-46.34	23.13726G	-46.33	2
2.44196G	12.79	-17.21	1.92021G	-52.62	2.39946G	-52.10	2.4835G	-46.42	2.48386G	-43.97	3.28208G	-42.07	3

802.11n HT40_(MCS0)_3TX **CSE NdB**

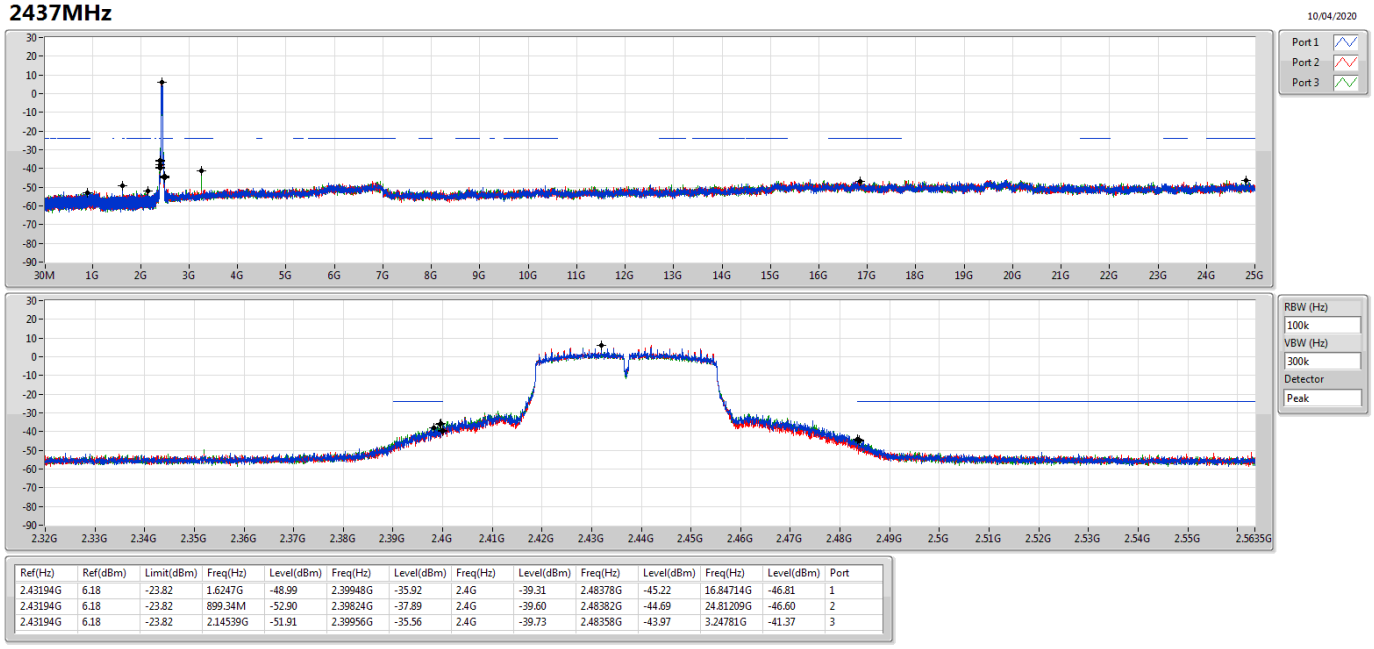
2422MHz



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
2.43194G	6.18	-23.82	2.08556G	-53.01	2.39636G	-40.17	2.4G	-44.91	2.4923G	-52.00	16.31988G	-46.15	1
2.43194G	6.18	-23.82	899.34M	-52.90	2.39636G	-40.79	2.4G	-46.25	2.4865G	-51.18	6.76193G	-46.63	2
2.43194G	6.18	-23.82	1.94845G	-53.05	2.39572G	-39.11	2.4G	-45.73	2.48686G	-51.27	3.22818G	-40.51	3

802.11n HT40_(MCS0)_3TX **CSE NdB**

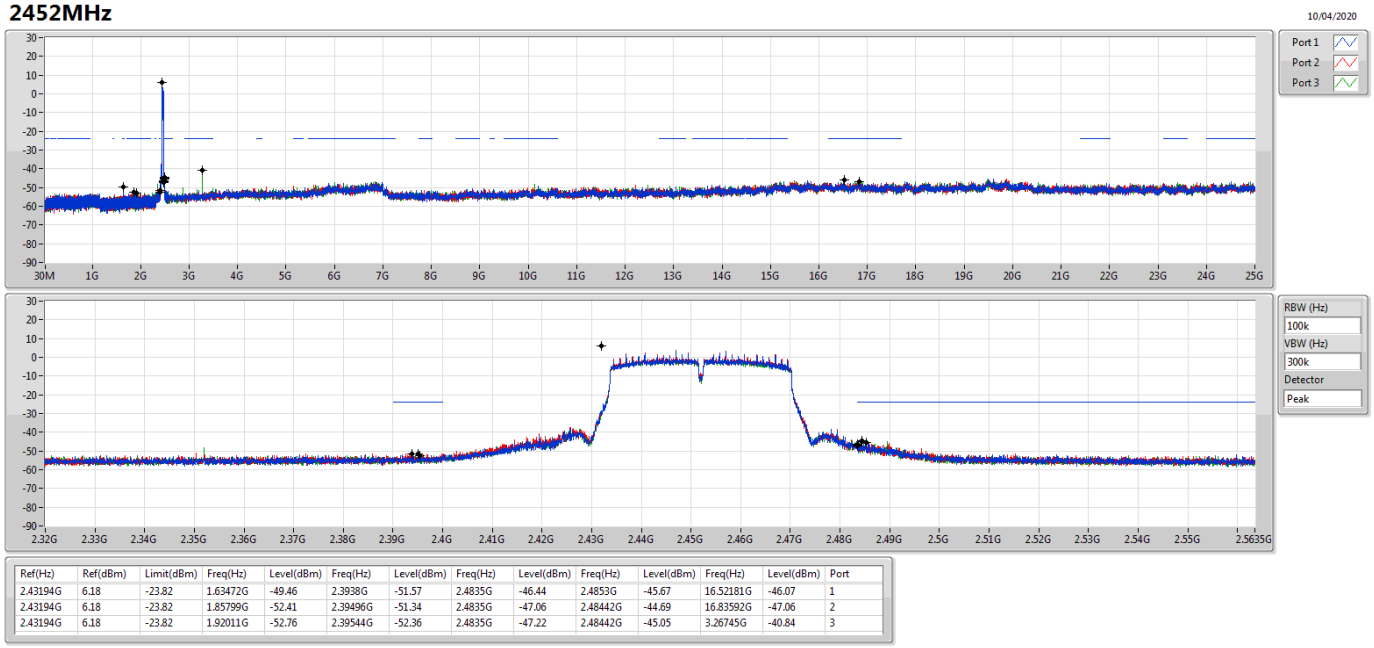
2437MHz



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
2.43194G	6.18	-23.82	1.6247G	-48.99	2.39948G	-35.92	2.4G	-39.31	2.48378G	-45.22	16.84714G	-46.81	1
2.43194G	6.18	-23.82	899.34M	-52.90	2.39824G	-37.89	2.4G	-39.60	2.48382G	-44.69	24.81209G	-46.60	2
2.43194G	6.18	-23.82	2.14539G	-51.91	2.39956G	-35.56	2.4G	-39.73	2.48358G	-43.97	3.24781G	-41.37	3

802.11n HT40_(MCS0)_3TX **CSE NdB**

2452MHz

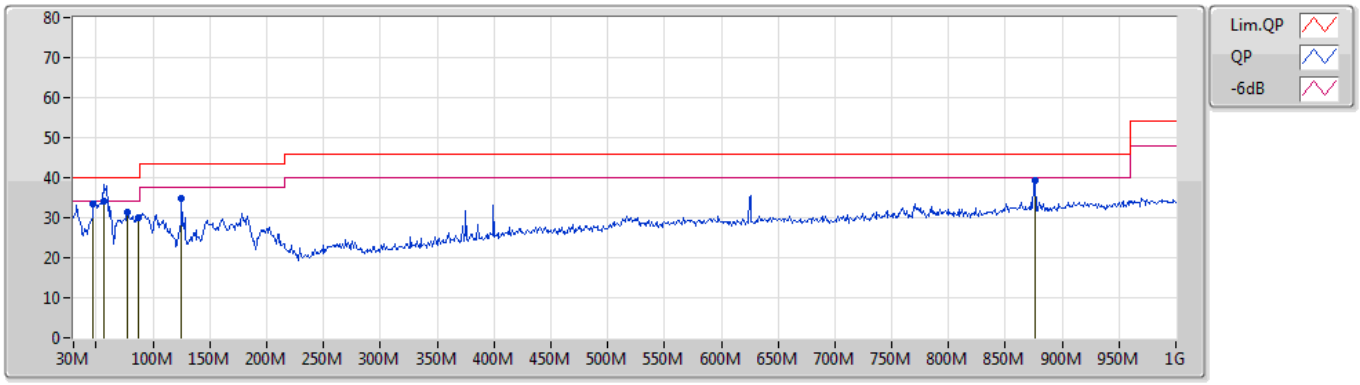


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43194G	6.18	-23.82	1.63472G	-49.46	2.3938G	-51.57	2.4835G	-46.44	2.4853G	-45.67	16.52181G	-46.07	1
2.43194G	6.18	-23.82	1.85799G	-52.41	2.39496G	-51.34	2.4835G	-47.06	2.48442G	-44.69	16.83592G	-47.06	2
2.43194G	6.18	-23.82	1.92011G	-52.76	2.39544G	-52.36	2.4835G	-47.22	2.48442G	-45.05	3.26745G	-40.84	3

Summary

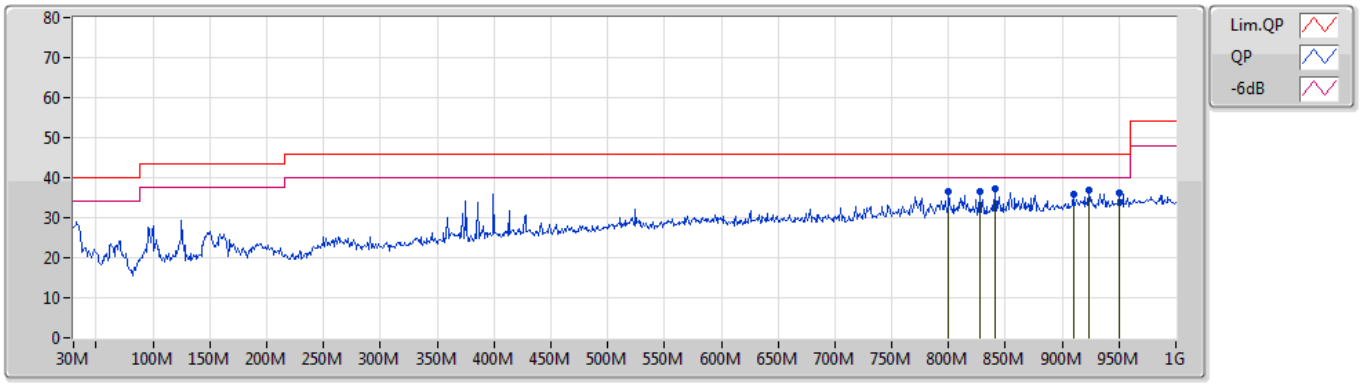
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	56.19M	34.09	40.00	-5.91	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	47.46M	33.49	40.00	-6.51	-16.10	3	Vertical	94	1.00	-	49.59	15.12	1.49	32.71
QP	56.19M	34.09	40.00	-5.91	-18.61	3	Vertical	201	1.00	"Worst"	52.70	12.48	1.52	32.61
PK	77.53M	31.35	40.00	-8.65	-18.18	3	Vertical	167	1.25	-	49.53	12.47	1.84	32.49
PK	87.23M	29.89	40.00	-10.11	-16.34	3	Vertical	117	1.25	-	46.23	14.15	1.94	32.43
PK	125.06M	34.95	43.50	-8.55	-12.27	3	Vertical	168	1.00	-	47.22	17.93	2.33	32.53
PK	875.84M	39.30	46.00	-6.70	0.99	3	Vertical	73	1.50	-	38.31	26.36	6.36	31.73

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	800.18M	36.52	46.00	-9.48	-0.63	3	Horizontal	106	1.25	-	37.15	25.88	5.80	32.31
PK	827.34M	36.70	46.00	-9.30	-0.09	3	Horizontal	122	1.25	-	36.79	25.93	5.96	31.98
PK	840.92M	37.09	46.00	-8.91	0.34	3	Horizontal	99	1.00	"Worst"	36.75	26.13	6.05	31.84
PK	909.79M	35.85	46.00	-10.15	1.63	3	Horizontal	132	1.00	-	34.22	26.70	6.60	31.67
PK	923.37M	36.76	46.00	-9.24	1.56	3	Horizontal	108	1.00	-	35.20	26.55	6.60	31.59
PK	950.53M	36.10	46.00	-9.90	2.00	3	Horizontal	141	1.00	-	34.10	26.80	6.60	31.40

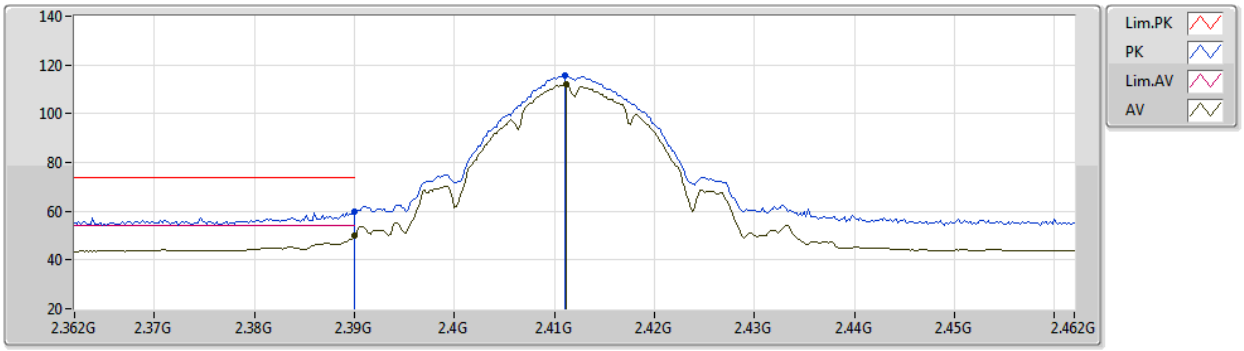
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_(6Mbps)_3TX	Pass	AV	2.3898G	53.98	54.00	-0.02	3	Horizontal	264	1.98	-

802.11b_(1Mbps)_3TX

2412MHz_TX

08/04/2020



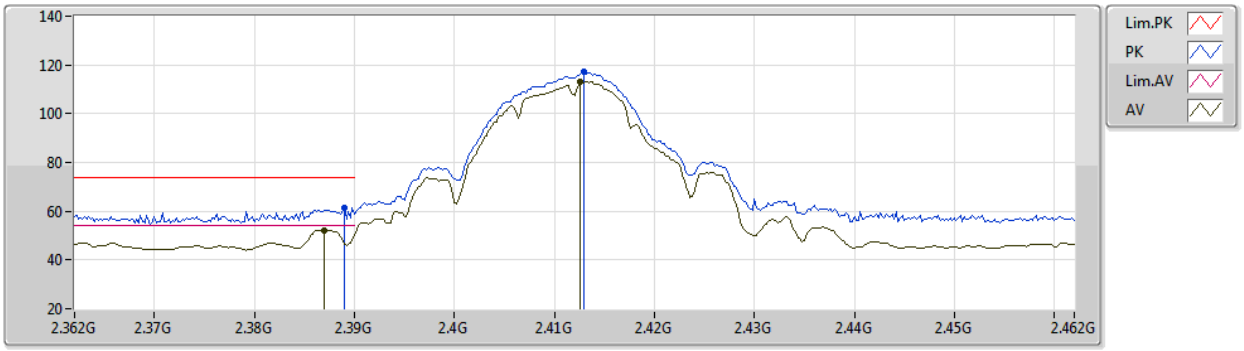
EUT Y_3TX
Setting 22
04-C-E-2

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	59.60	74.00	-14.40	29.24	3	Vertical	0	1.80	-	27.51	2.85	-
AV	2.39G	49.80	54.00	-4.20	19.44	3	Vertical	0	1.80	-	27.51	2.85	-
PK	2.411G	115.88	Inf	-Inf	85.47	3	Vertical	0	1.80	-	27.54	2.87	-
AV	2.4112G	112.08	Inf	-Inf	81.67	3	Vertical	0	1.80	-	27.54	2.87	-

802.11b_(1Mbps)_3TX

2412MHz_TX

08/04/2020



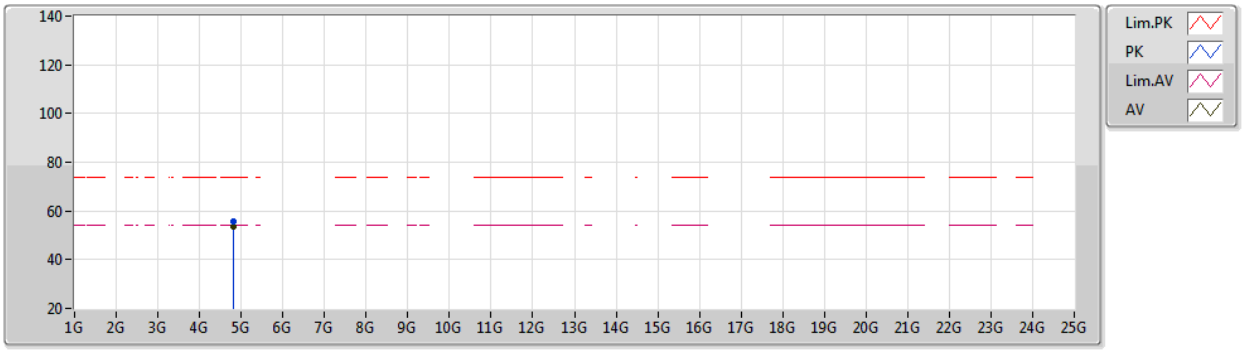
EUT Y_3TX
Setting 22
04-C-E-2

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	61.40	74.00	-12.60	31.04	3	Horizontal	275	1.14	-	27.51	2.85	-
AV	2.387G	52.29	54.00	-1.71	21.93	3	Horizontal	275	1.14	-	27.51	2.85	-
PK	2.413G	117.10	Inf	-Inf	86.68	3	Horizontal	275	1.14	-	27.55	2.87	-
AV	2.4126G	112.95	Inf	-Inf	82.53	3	Horizontal	275	1.14	-	27.55	2.87	-

802.11b_(1Mbps)_3TX

2412MHz_TX

08/04/2020



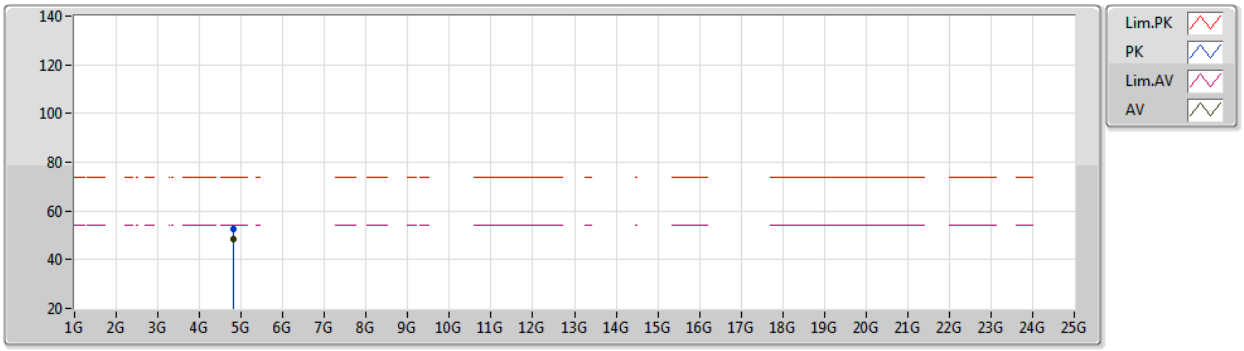
EUT Y_3TX
Setting 22
04-C-E-2

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	55.51	74.00	-18.49	51.46	3	Vertical	282	1.61	-	32.60	4.93	33.48
AV	4.82392G	53.51	54.00	-0.49	49.46	3	Vertical	282	1.61	-	32.60	4.93	33.48

802.11b_(1Mbps)_3TX

2412MHz_TX

08/04/2020



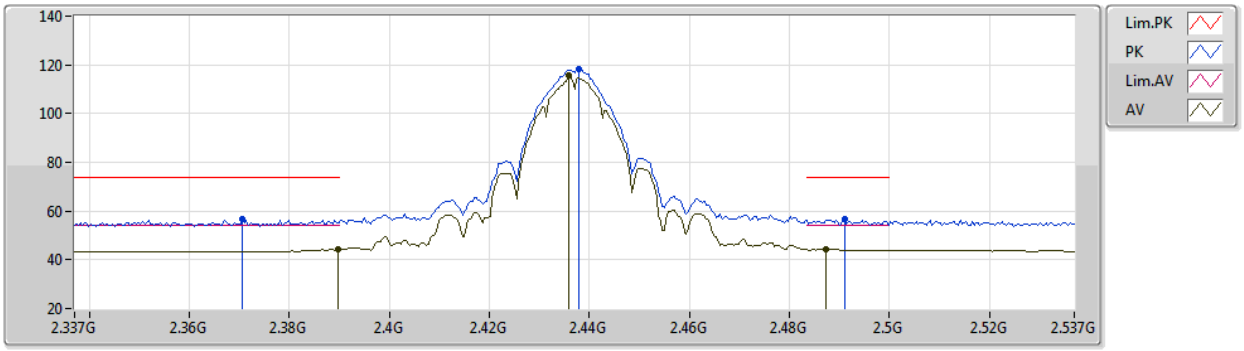
EUT Y_3TX
Setting 22
04-C-E-2

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	4.82397G	52.39	74.00	-21.61	48.34	3	Horizontal	290	2.14	-	32.60	4.93	33.48
AV	4.82393G	48.59	54.00	-5.41	44.54	3	Horizontal	290	2.14	-	32.60	4.93	33.48

802.11b_(1Mbps)_3TX

2437MHz_TX

08/04/2020



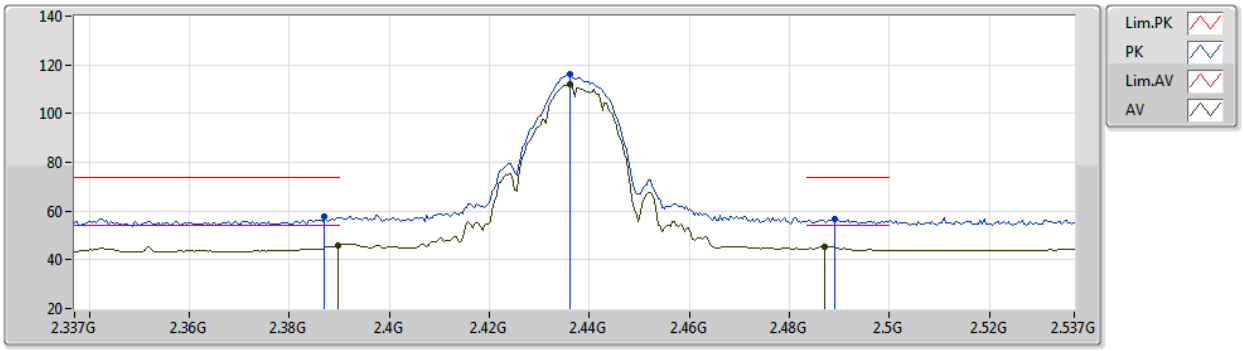
EUT Y_3TX
Setting 22.5
04-C-E-2

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	2.3706G	56.55	74.00	-17.45	26.18	3	Vertical	307	1.80	-	27.53	2.84	-
AV	2.3898G	44.13	54.00	-9.87	13.77	3	Vertical	307	1.80	-	27.51	2.85	-
PK	2.4378G	118.45	Inf	-Inf	87.92	3	Vertical	307	1.80	-	27.65	2.88	-
AV	2.4358G	115.79	Inf	-Inf	85.27	3	Vertical	307	1.80	-	27.64	2.88	-
PK	2.491G	56.53	74.00	-17.47	25.76	3	Vertical	307	1.80	-	27.86	2.91	-
AV	2.4874G	44.53	54.00	-9.47	13.77	3	Vertical	307	1.80	-	27.85	2.91	-

802.11b_(1Mbps)_3TX

2437MHz_TX

08/04/2020



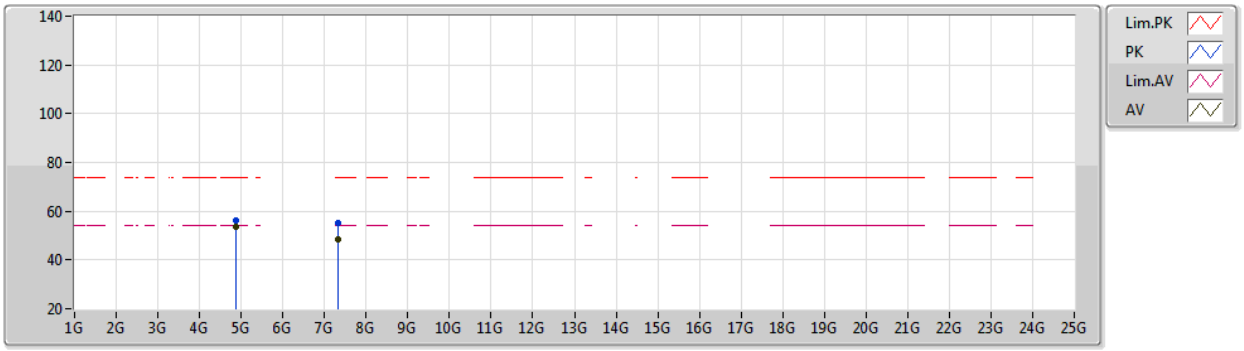
EUT Y_3TX
Setting 22.5
04-C-E-2

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	2.387G	57.70	74.00	-16.30	27.34	3	Horizontal	272	1.80	-	27.51	2.85	-
AV	2.3898G	46.08	54.00	-7.92	15.72	3	Horizontal	272	1.80	-	27.51	2.85	-
PK	2.4362G	116.00	Inf	-Inf	85.48	3	Horizontal	272	1.80	-	27.64	2.88	-
AV	2.4362G	112.14	Inf	-Inf	81.62	3	Horizontal	272	1.80	-	27.64	2.88	-
PK	2.489G	56.48	74.00	-17.52	25.71	3	Horizontal	272	1.80	-	27.86	2.91	-
AV	2.487G	45.58	54.00	-8.42	14.82	3	Horizontal	272	1.80	-	27.85	2.91	-

802.11b_(1Mbps)_3TX

2437MHz_TX

08/04/2020



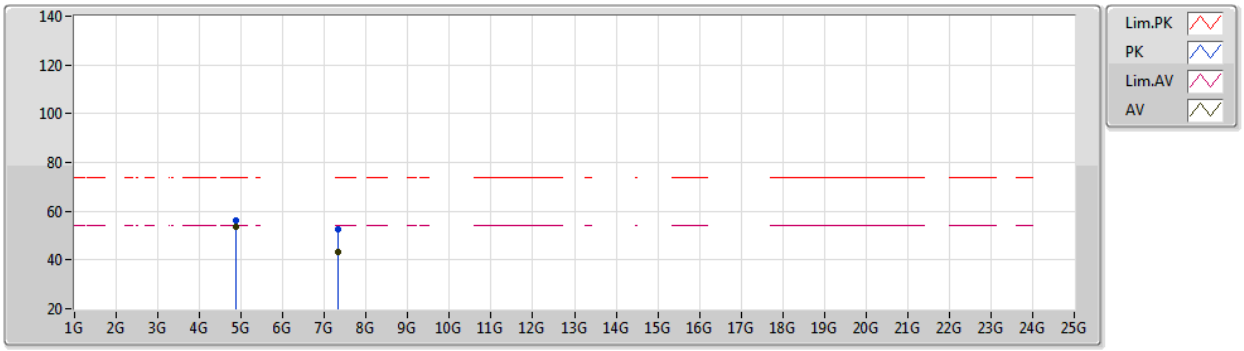
EUT Y_3TX
Setting 22.5
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87396G	56.31	74.00	-17.69	52.00	3	Vertical	271	2.32	-	32.80	4.96	33.45
AV	4.8739G	53.68	54.00	-0.32	49.37	3	Vertical	271	2.32	-	32.80	4.96	33.45
PK	7.31186G	55.38	74.00	-18.62	45.61	3	Vertical	288	1.35	-	37.51	6.22	33.96
AV	7.31162G	48.70	54.00	-5.30	38.93	3	Vertical	288	1.35	-	37.51	6.22	33.96

802.11b_(1Mbps)_3TX

2437MHz_TX

08/04/2020



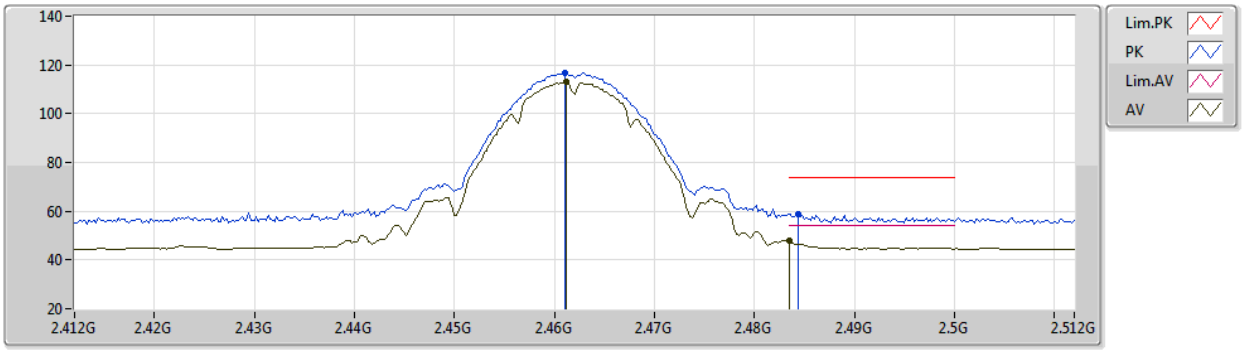
EUT Y_3TX
Setting 22.5
04-C-E-2

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	4.87394G	56.24	74.00	-17.76	51.93	3	Horizontal	287	2.15	-	32.80	4.96	33.45
AV	4.87394G	53.38	54.00	-0.62	49.07	3	Horizontal	287	2.15	-	32.80	4.96	33.45
PK	7.3118G	52.63	74.00	-21.37	42.86	3	Horizontal	211	2.77	-	37.51	6.22	33.96
AV	7.31168G	43.30	54.00	-10.70	33.53	3	Horizontal	211	2.77	-	37.51	6.22	33.96

802.11b_(1Mbps)_3TX

2462MHz_TX

08/04/2020



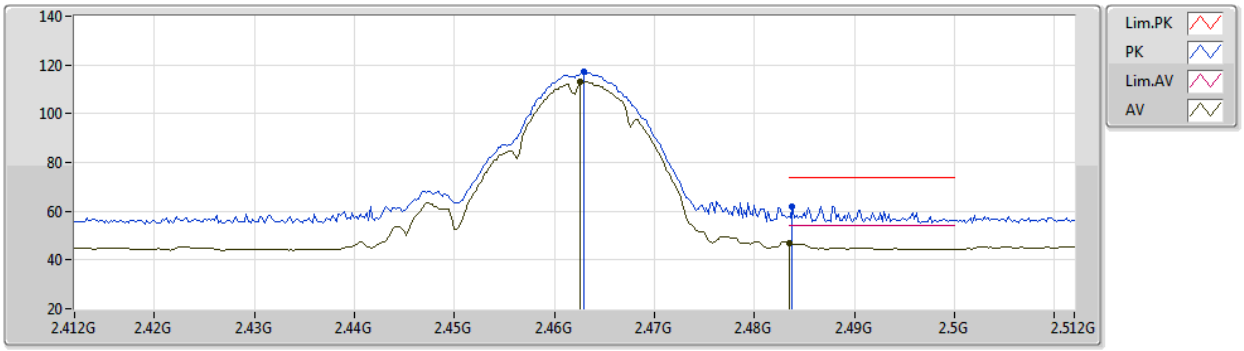
EUT Y_3TX
Setting 21.5
04-C-E-2

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	116.90	Inf	-Inf	86.26	3	Vertical	297	1.79	-	27.74	2.90	-
AV	2.4612G	113.00	Inf	-Inf	82.36	3	Vertical	297	1.79	-	27.74	2.90	-
PK	2.4844G	58.79	74.00	-15.21	28.04	3	Vertical	297	1.79	-	27.84	2.91	-
AV	2.4835G	48.00	54.00	-6.00	17.26	3	Vertical	297	1.79	-	27.83	2.91	-

802.11b_(1Mbps)_3TX

2462MHz_TX

08/04/2020



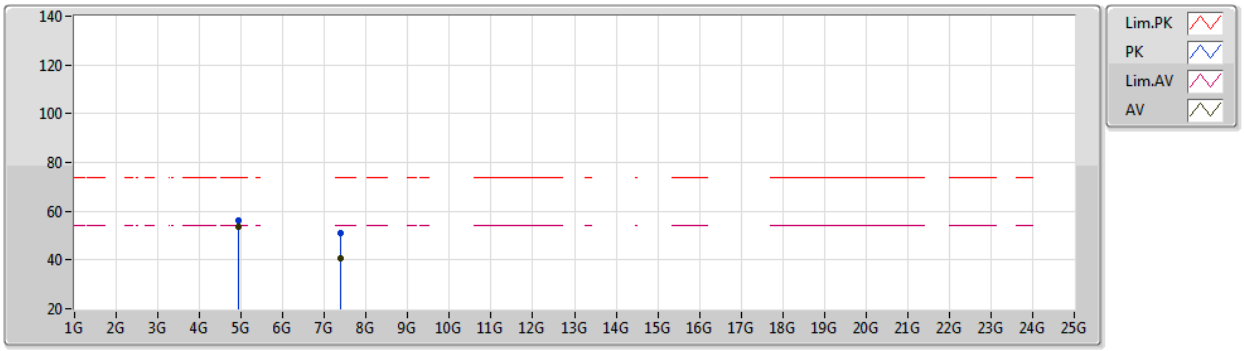
EUT Y_3TX
Setting 21.5
04-C-E-2

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	117.11	Inf	-Inf	86.46	3	Horizontal	146	1.79	-	27.75	2.90	-
AV	2.4626G	112.99	Inf	-Inf	82.34	3	Horizontal	146	1.79	-	27.75	2.90	-
PK	2.4838G	61.93	74.00	-12.07	31.18	3	Horizontal	146	1.79	-	27.84	2.91	-
AV	2.4835G	46.92	54.00	-7.08	16.18	3	Horizontal	146	1.79	-	27.83	2.91	-

802.11b_(1Mbps)_3TX

2462MHz_TX

08/04/2020



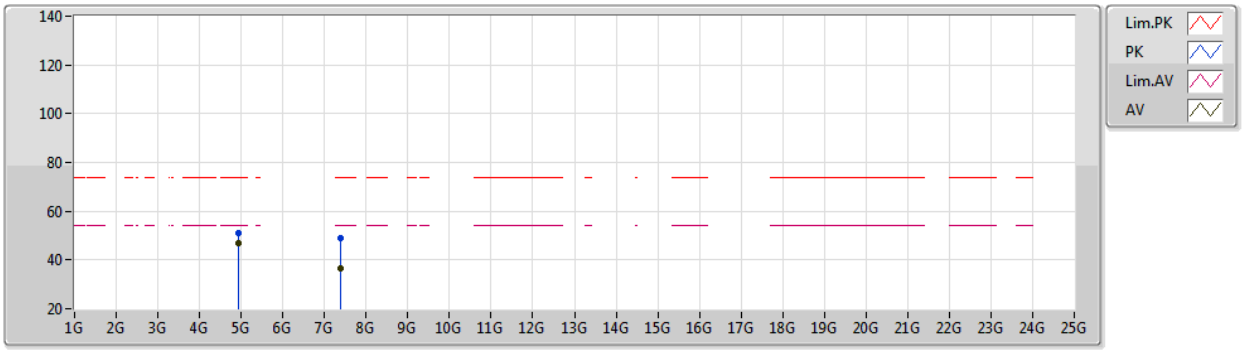
EUT Y_3TX
Setting 21.5
04-C-E-2

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	4.92399G	56.16	74.00	-17.84	51.65	3	Vertical	264	1.86	-	32.95	4.98	33.42
AV	4.92395G	53.53	54.00	-0.47	49.02	3	Vertical	264	1.86	-	32.95	4.98	33.42
PK	7.38864G	51.12	74.00	-22.88	41.29	3	Vertical	240	1.44	-	37.59	6.26	34.02
AV	7.38696G	40.61	54.00	-13.39	30.79	3	Vertical	240	1.44	-	37.59	6.25	34.02

802.11b_(1Mbps)_3TX

2462MHz_TX

08/04/2020



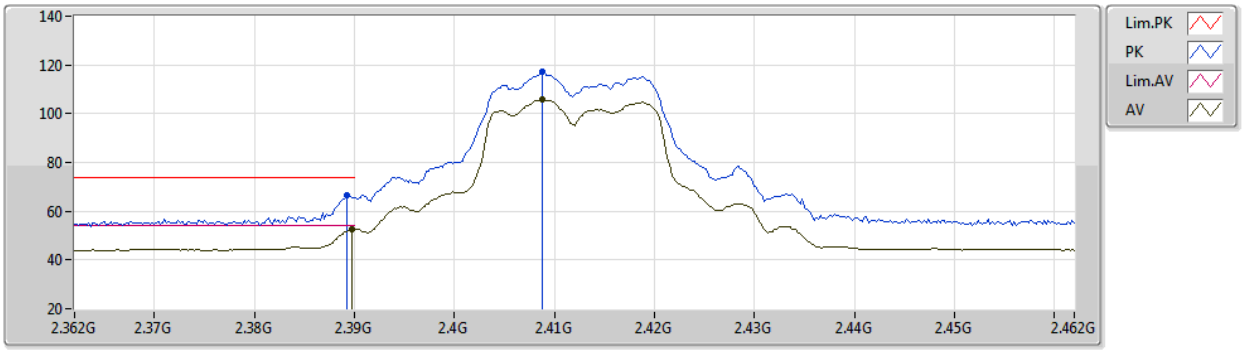
EUT Y_3TX
Setting 21.5
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92403G	51.17	74.00	-22.83	46.66	3	Horizontal	283	1.53	-	32.95	4.98	33.42
AV	4.92392G	46.79	54.00	-7.21	42.28	3	Horizontal	283	1.53	-	32.95	4.98	33.42
PK	7.38628G	49.08	74.00	-24.92	39.26	3	Horizontal	209	1.60	-	37.59	6.25	34.02
AV	7.38308G	36.41	54.00	-17.59	26.60	3	Horizontal	209	1.60	-	37.58	6.25	34.02

802.11g_(6Mbps)_3TX

2412MHz_TX

08/04/2020



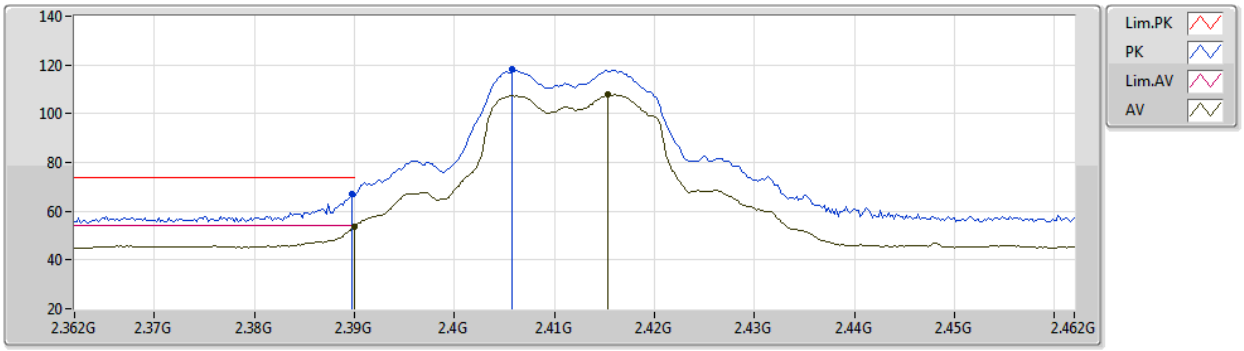
EUT Y_3TX
Setting 18
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3892G	66.34	74.00	-7.66	35.98	3	Vertical	301	2.85	-	27.51	2.85	-
AV	2.3898G	52.59	54.00	-1.41	22.23	3	Vertical	301	2.85	-	27.51	2.85	-
PK	2.4088G	117.09	Inf	-Inf	86.68	3	Vertical	301	2.85	-	27.54	2.87	-
AV	2.4088G	106.02	Inf	-Inf	75.61	3	Vertical	301	2.85	-	27.54	2.87	-

802.11g_(6Mbps)_3TX

2412MHz_TX

08/04/2020



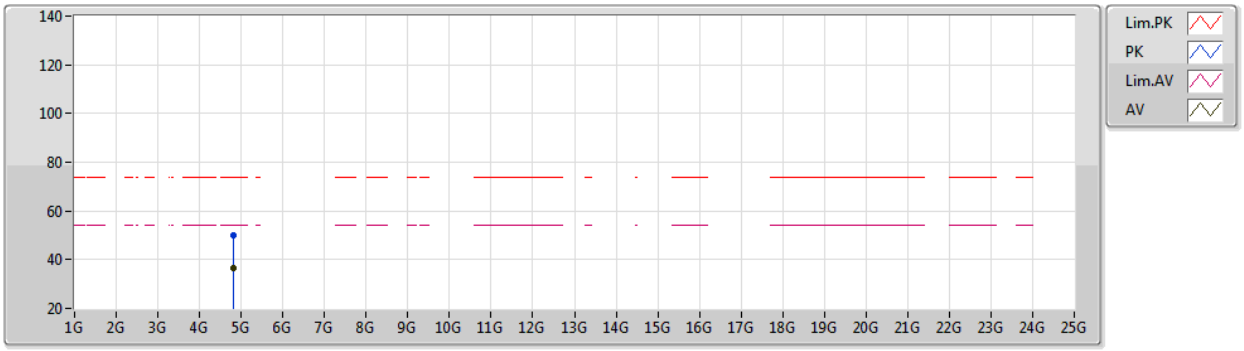
EUT Y_3TX
Setting 18
04-C-E-2

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	66.84	74.00	-7.16	36.48	3	Horizontal	265	1.85	-	27.51	2.85	-
AV	2.39G	53.73	54.00	-0.27	23.37	3	Horizontal	265	1.85	-	27.51	2.85	-
PK	2.4058G	118.14	Inf	-Inf	87.76	3	Horizontal	265	1.85	-	27.52	2.86	-
AV	2.4154G	107.75	Inf	-Inf	77.32	3	Horizontal	265	1.85	-	27.56	2.87	-

802.11g_(6Mbps)_3TX

2412MHz_TX

08/04/2020



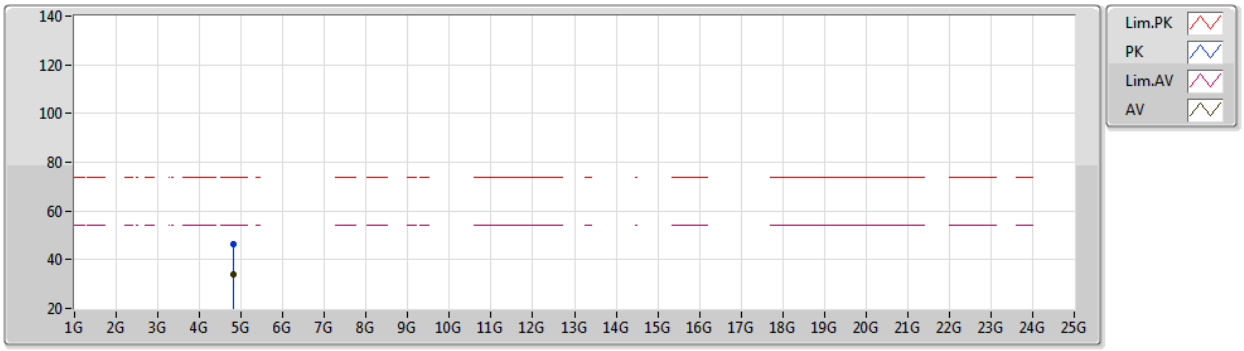
EUT Y_3TX
Setting 18
04-C-E-2

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	4.8204G	50.00	74.00	-24.00	45.98	3	Vertical	253	1.90	-	32.58	4.93	33.49
AV	4.82118G	36.81	54.00	-17.19	32.79	3	Vertical	253	1.90	-	32.58	4.93	33.49

802.11g_(6Mbps)_3TX

2412MHz_TX

08/04/2020



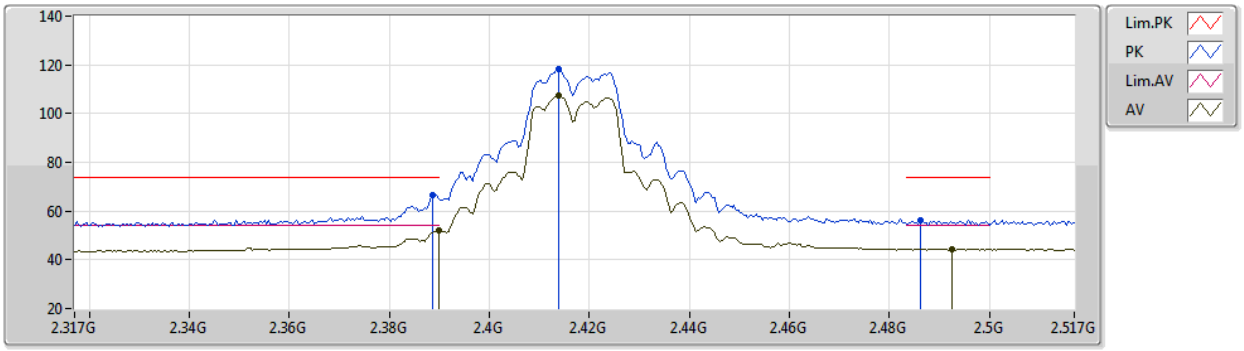
EUT Y_3TX
Setting 18
04-C-E-2

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	4.82688G	46.51	74.00	-27.49	42.45	3	Horizontal	285	2.14	-	32.61	4.93	33.48
AV	4.82598G	33.93	54.00	-20.07	29.88	3	Horizontal	285	2.14	-	32.60	4.93	33.48

802.11g_(6Mbps)_3TX

2417MHz_TX

08/04/2020



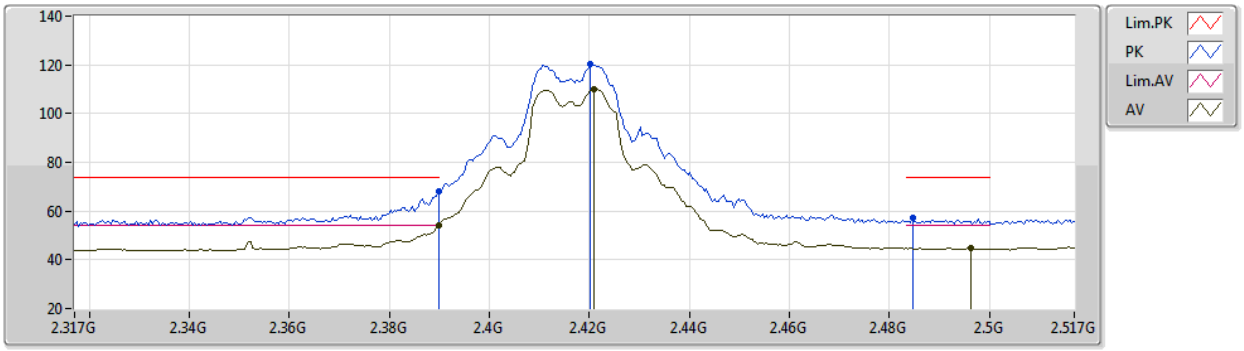
EUT Y_3TX
Setting 20
04-C-E-2

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	66.63	74.00	-7.37	36.27	3	Vertical	299	2.86	-	27.51	2.85	-
AV	2.3898G	51.89	54.00	-2.11	21.53	3	Vertical	299	2.86	-	27.51	2.85	-
PK	2.4138G	118.47	Inf	-Inf	88.04	3	Vertical	299	2.86	-	27.56	2.87	-
AV	2.4138G	107.42	Inf	-Inf	76.99	3	Vertical	299	2.86	-	27.56	2.87	-
PK	2.4862G	56.46	74.00	-17.54	25.71	3	Vertical	299	2.86	-	27.84	2.91	-
AV	2.4926G	44.32	54.00	-9.68	13.53	3	Vertical	299	2.86	-	27.87	2.92	-

802.11g_(6Mbps)_3TX

2417MHz_TX

08/04/2020



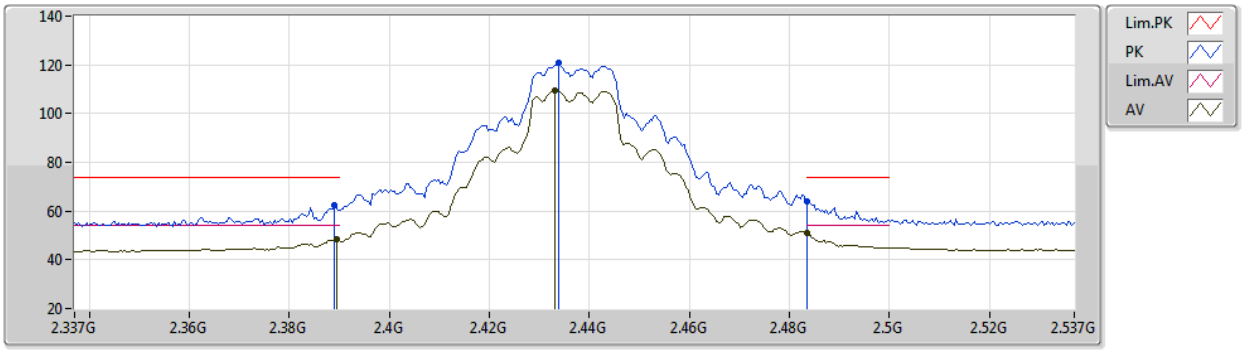
EUT Y_3TX
Setting 20
04-C-E-2

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	68.00	74.00	-6.00	37.64	3	Horizontal	264	1.98	-	27.51	2.85	-
AV	2.3898G	53.98	54.00	-0.02	23.62	3	Horizontal	264	1.98	-	27.51	2.85	-
PK	2.4202G	120.18	Inf	-Inf	89.73	3	Horizontal	264	1.98	-	27.58	2.87	-
AV	2.421G	109.95	Inf	-Inf	79.50	3	Horizontal	264	1.98	-	27.58	2.87	-
PK	2.4846G	57.00	74.00	-17.00	26.25	3	Horizontal	264	1.98	-	27.84	2.91	-
AV	2.4962G	44.94	54.00	-9.06	14.14	3	Horizontal	264	1.98	-	27.88	2.92	-

802.11g_(6Mbps)_3TX

2437MHz_TX

08/04/2020



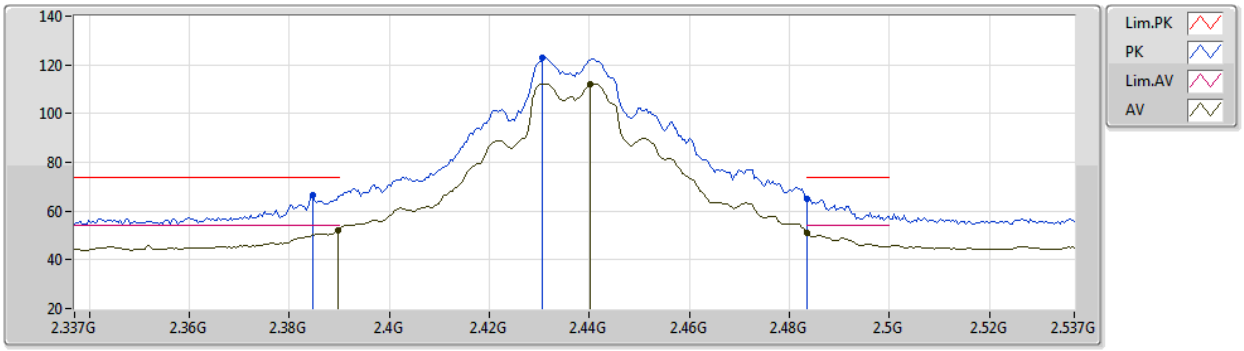
EUT Y_3TX
Setting 22
04-C-E-2

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	62.35	74.00	-11.65	31.99	3	Vertical	314	2.70	-	27.51	2.85	-
AV	2.3894G	48.48	54.00	-5.52	18.12	3	Vertical	314	2.70	-	27.51	2.85	-
PK	2.4338G	120.94	Inf	-Inf	90.42	3	Vertical	314	2.70	-	27.64	2.88	-
AV	2.433G	109.74	Inf	-Inf	79.23	3	Vertical	314	2.70	-	27.63	2.88	-
PK	2.4835G	63.83	74.00	-10.17	33.09	3	Vertical	314	2.70	-	27.83	2.91	-
AV	2.4835G	50.94	54.00	-3.06	20.20	3	Vertical	314	2.70	-	27.83	2.91	-

802.11g_(6Mbps)_3TX

2437MHz_TX

08/04/2020



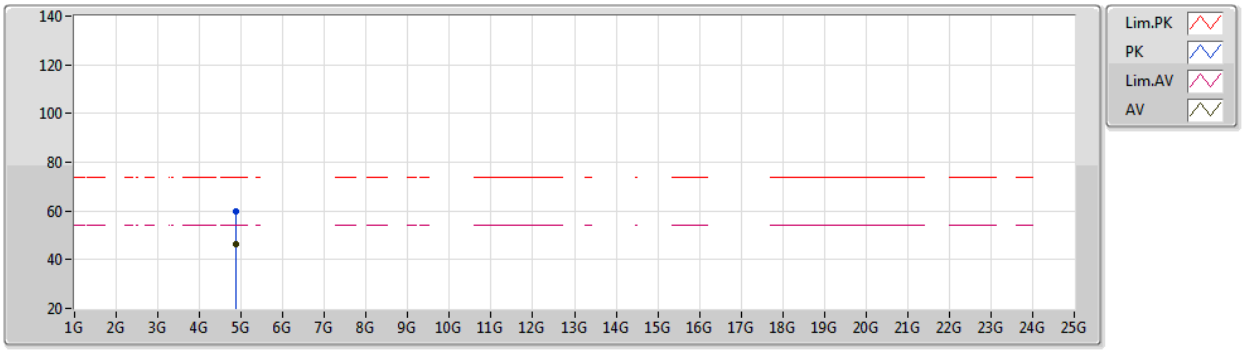
EUT Y_3TX
Setting 22
04-C-E-2

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	2.3846G	66.67	74.00	-7.33	36.30	3	Horizontal	265	1.79	-	27.52	2.85	-
AV	2.3898G	52.22	54.00	-1.78	21.86	3	Horizontal	265	1.79	-	27.51	2.85	-
PK	2.4306G	123.12	Inf	-Inf	92.62	3	Horizontal	265	1.79	-	27.62	2.88	-
AV	2.4402G	112.21	Inf	-Inf	81.67	3	Horizontal	265	1.79	-	27.66	2.88	-
PK	2.4835G	64.92	74.00	-9.08	34.18	3	Horizontal	265	1.79	-	27.83	2.91	-
AV	2.4835G	51.11	54.00	-2.89	20.37	3	Horizontal	265	1.79	-	27.83	2.91	-

802.11g_(6Mbps)_3TX

2437MHz_TX

08/04/2020



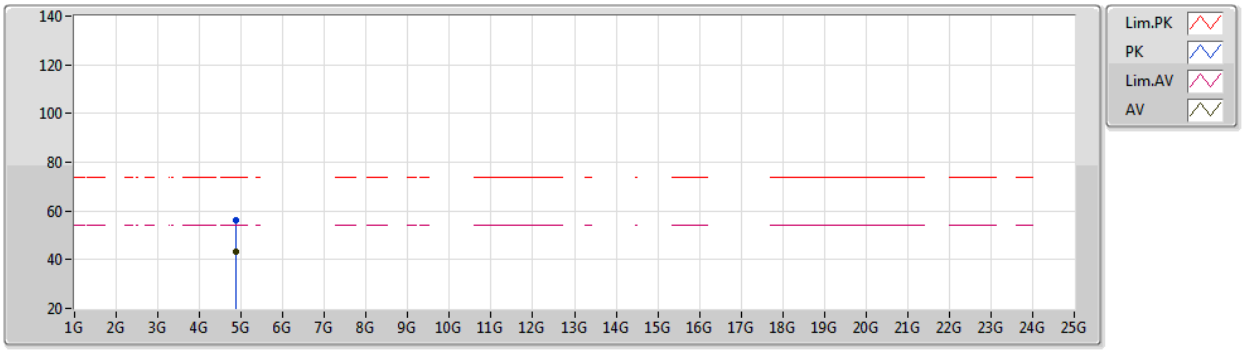
EUT Y_3TX
Setting 22
04-C-E-2

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	4.87586G	59.58	74.00	-14.42	55.27	3	Vertical	264	1.80	-	32.80	4.96	33.45
AV	4.87628G	46.62	54.00	-7.38	42.30	3	Vertical	264	1.80	-	32.81	4.96	33.45

802.11g_(6Mbps)_3TX

2437MHz_TX

08/04/2020



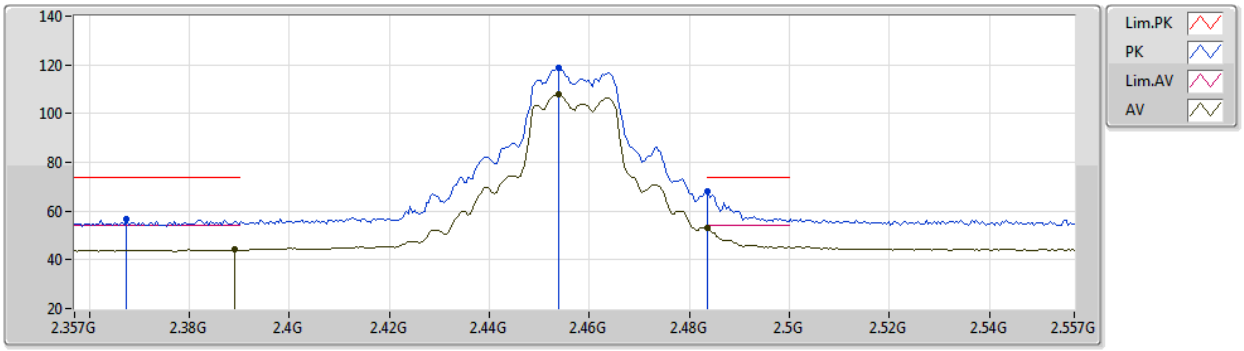
EUT Y_3TX
Setting 22
04-C-E-2

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	4.87604G	56.28	74.00	-17.72	51.97	3	Horizontal	287	1.74	-	32.80	4.96	33.45
AV	4.87628G	43.19	54.00	-10.81	38.87	3	Horizontal	287	1.74	-	32.81	4.96	33.45

802.11g_(6Mbps)_3TX

2457MHz_TX

08/04/2020



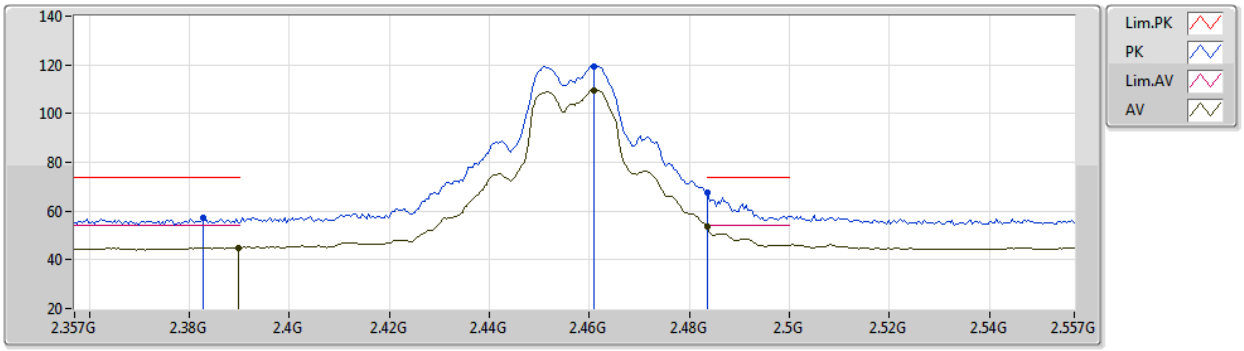
EUT Y_3TX
Setting 19.5
04-C-E-2

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	2.3674G	56.86	74.00	-17.14	26.49	3	Vertical	301	2.73	-	27.53	2.84	-
AV	2.389G	44.10	54.00	-9.90	13.74	3	Vertical	301	2.73	-	27.51	2.85	-
PK	2.4538G	118.89	Inf	-Inf	88.28	3	Vertical	301	2.73	-	27.72	2.89	-
AV	2.4538G	107.91	Inf	-Inf	77.30	3	Vertical	301	2.73	-	27.72	2.89	-
PK	2.4835G	68.04	74.00	-5.96	37.30	3	Vertical	301	2.73	-	27.83	2.91	-
AV	2.4835G	52.92	54.00	-1.08	22.18	3	Vertical	301	2.73	-	27.83	2.91	-

802.11g_(6Mbps)_3TX

2457MHz_TX

08/04/2020



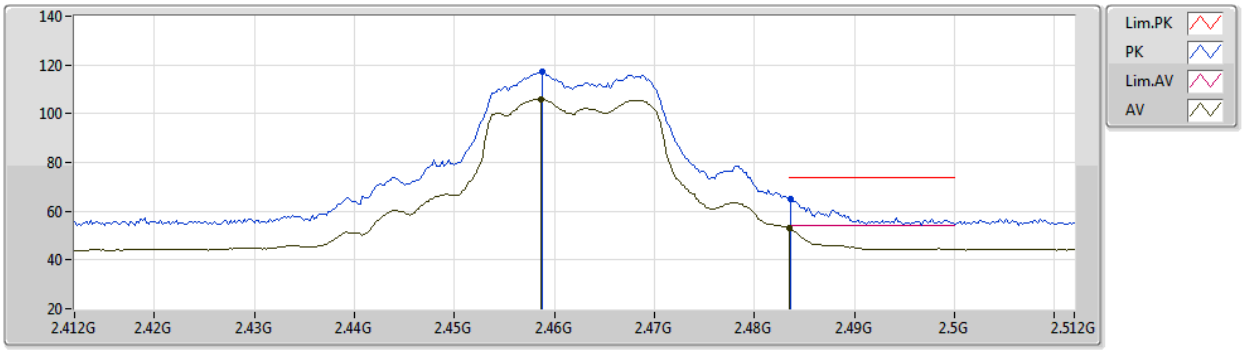
EUT Y_3TX
Setting 19.5
04-C-E-2

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	57.03	74.00	-16.97	26.66	3	Horizontal	262	1.80	-	27.52	2.85	-
AV	2.3898G	45.02	54.00	-8.98	14.66	3	Horizontal	262	1.80	-	27.51	2.85	-
PK	2.461G	119.47	Inf	-Inf	88.83	3	Horizontal	262	1.80	-	27.74	2.90	-
AV	2.461G	109.55	Inf	-Inf	78.91	3	Horizontal	262	1.80	-	27.74	2.90	-
PK	2.4835G	67.54	74.00	-6.46	36.80	3	Horizontal	262	1.80	-	27.83	2.91	-
AV	2.4835G	53.51	54.00	-0.49	22.77	3	Horizontal	262	1.80	-	27.83	2.91	-

802.11g_(6Mbps)_3TX

2462MHz_TX

08/04/2020



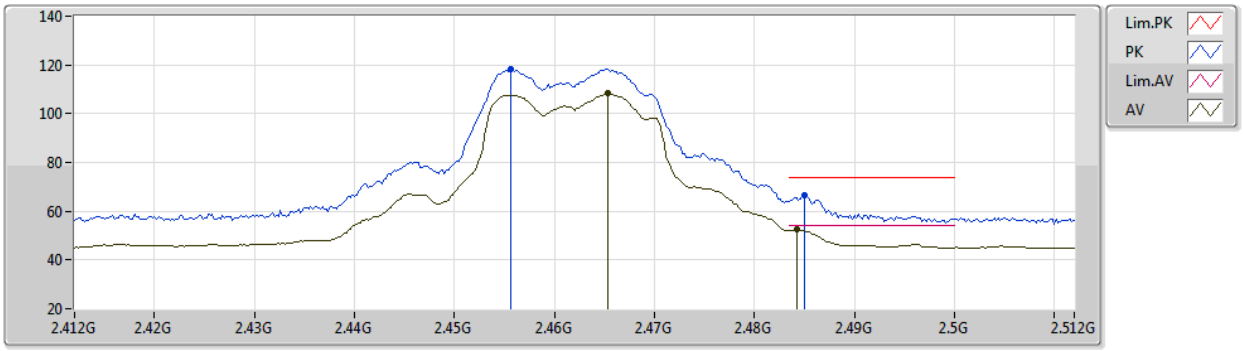
EUT Y_3TX
Setting 18
04-C-E-2

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	2.4588G	117.18	Inf	-Inf	86.54	3	Vertical	291	2.73	-	27.74	2.90	-
AV	2.4586G	106.08	Inf	-Inf	75.45	3	Vertical	291	2.73	-	27.73	2.90	-
PK	2.4836G	64.92	74.00	-9.08	34.18	3	Vertical	291	2.73	-	27.83	2.91	-
AV	2.4835G	53.00	54.00	-1.00	22.26	3	Vertical	291	2.73	-	27.83	2.91	-

802.11g_(6Mbps)_3TX

2462MHz_TX

08/04/2020



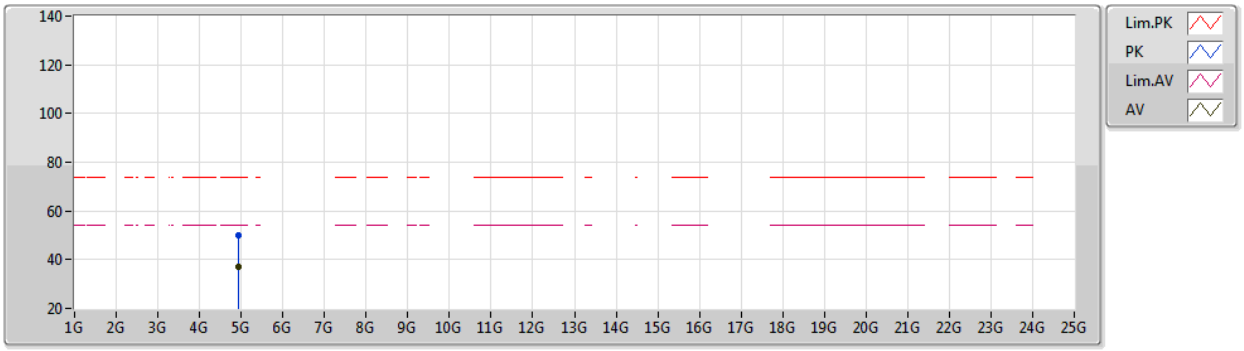
EUT Y_3TX
Setting 18
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4556G	118.40	Inf	-Inf	87.79	3	Horizontal	262	1.80	-	27.72	2.89	-
AV	2.4654G	108.25	Inf	-Inf	77.59	3	Horizontal	262	1.80	-	27.76	2.90	-
PK	2.485G	66.58	74.00	-7.42	35.83	3	Horizontal	262	1.80	-	27.84	2.91	-
AV	2.4842G	52.39	54.00	-1.61	21.64	3	Horizontal	262	1.80	-	27.84	2.91	-

802.11g_(6Mbps)_3TX

2462MHz_TX

08/04/2020



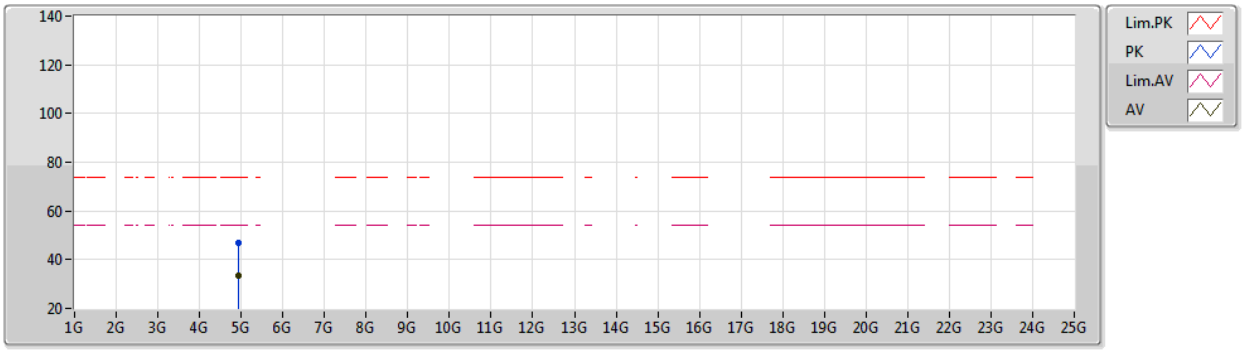
EUT Y_3TX
Setting 18
04-C-E-2

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	4.92046G	50.20	74.00	-23.80	45.70	3	Vertical	254	1.91	-	32.94	4.98	33.42
AV	4.91992G	36.91	54.00	-17.09	32.41	3	Vertical	254	1.91	-	32.94	4.98	33.42

802.11g_(6Mbps)_3TX

2462MHz_TX

08/04/2020



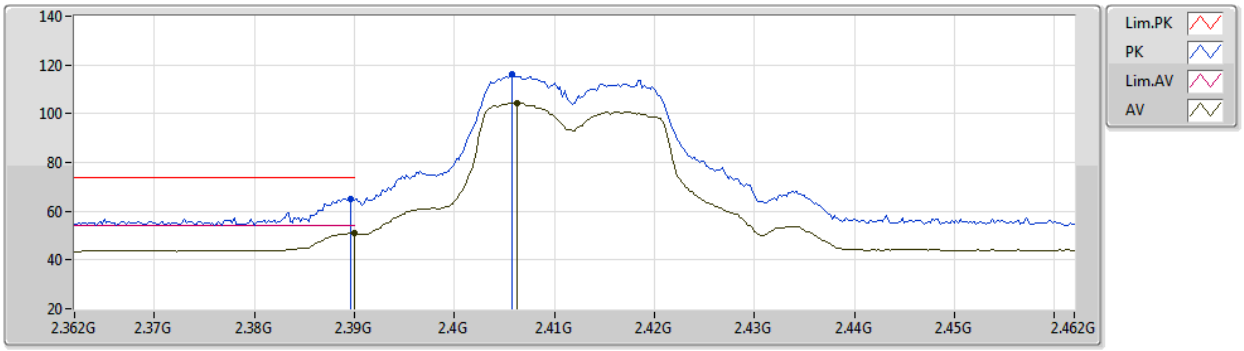
EUT Y_3TX
Setting 18
04-C-E-2

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	4.92568G	46.95	74.00	-27.05	42.43	3	Horizontal	285	1.52	-	32.95	4.98	33.41
AV	4.92544G	33.52	54.00	-20.48	29.00	3	Horizontal	285	1.52	-	32.95	4.98	33.41

802.11n HT20_(MCS0)_3TX

2412MHz_TX

08/04/2020



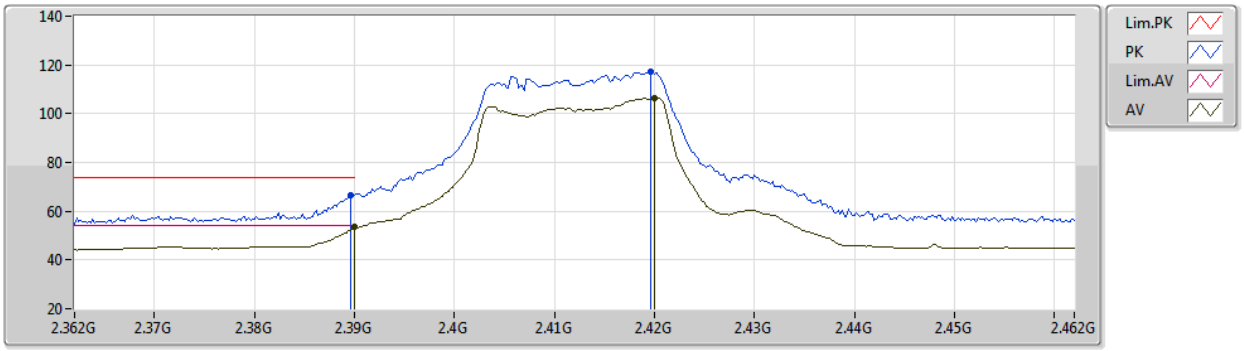
EUT Y_3TX
Setting 18
04-C-E-2

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	65.02	74.00	-8.98	34.66	3	Vertical	298	2.83	-	27.51	2.85	-
AV	2.39G	51.02	54.00	-2.98	20.66	3	Vertical	298	2.83	-	27.51	2.85	-
PK	2.4058G	115.97	Inf	-Inf	85.59	3	Vertical	298	2.83	-	27.52	2.86	-
AV	2.4062G	104.33	Inf	-Inf	73.95	3	Vertical	298	2.83	-	27.52	2.86	-

802.11n HT20_(MCS0)_3TX

2412MHz_TX

08/04/2020



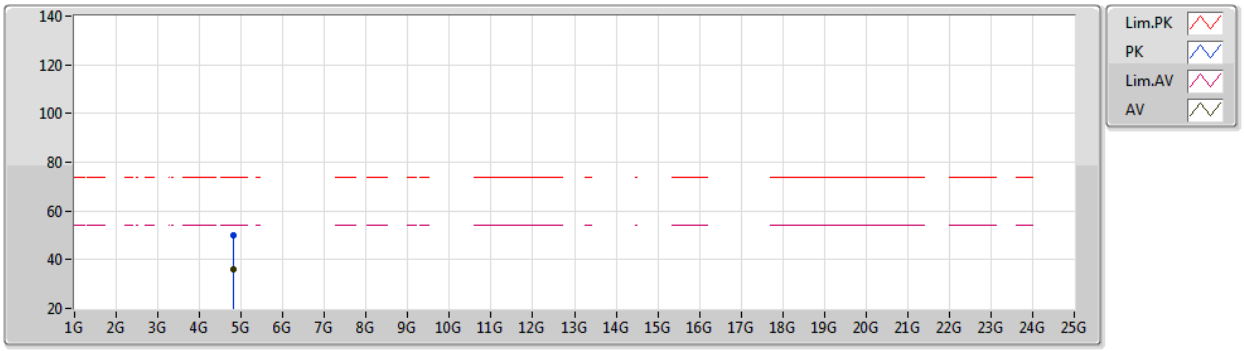
EUT Y_3TX
Setting 18
04-C-E-2

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	66.63	74.00	-7.37	36.27	3	Horizontal	261	2.21	-	27.51	2.85	-
AV	2.39G	53.52	54.00	-0.48	23.16	3	Horizontal	261	2.21	-	27.51	2.85	-
PK	2.4196G	117.21	Inf	-Inf	86.76	3	Horizontal	261	2.21	-	27.58	2.87	-
AV	2.42G	106.52	Inf	-Inf	76.07	3	Horizontal	261	2.21	-	27.58	2.87	-

802.11n HT20_(MCS0)_3TX

2412MHz_TX

08/04/2020



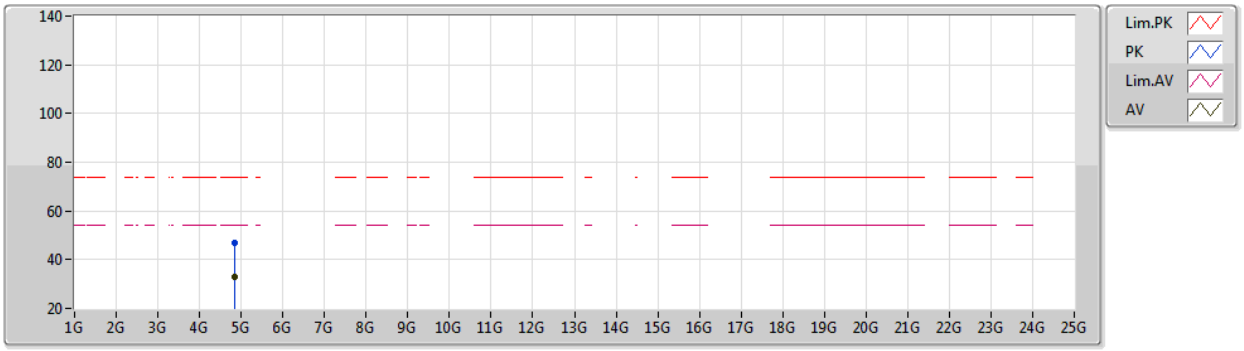
EUT Y_3TX
Setting 18
04-C-E-2

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	4.82664G	50.03	74.00	-23.97	45.97	3	Vertical	265	1.78	-	32.61	4.93	33.48
AV	4.82796G	35.78	54.00	-18.22	31.72	3	Vertical	265	1.78	-	32.61	4.93	33.48

802.11n HT20_(MCS0)_3TX

2412MHz_TX

08/04/2020



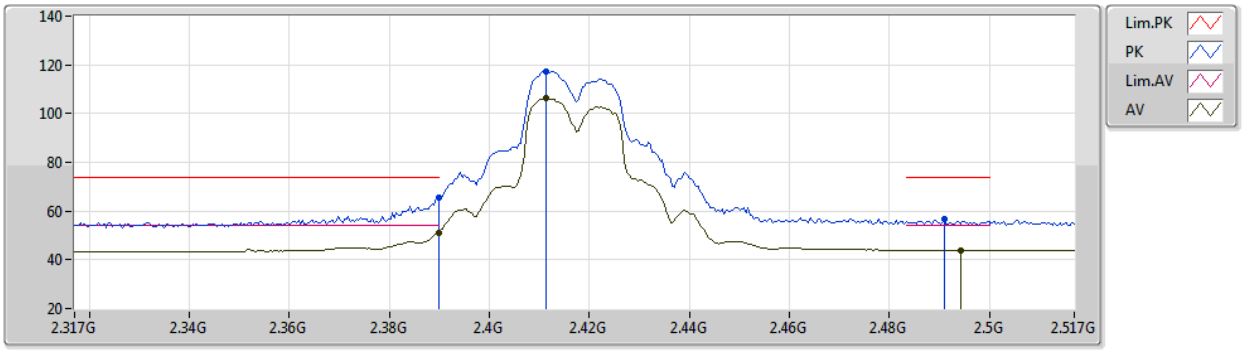
EUT Y_3TX
Setting 18
04-C-E-2

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	4.8291G	46.88	74.00	-27.12	42.81	3	Horizontal	287	2.20	-	32.62	4.93	33.48
AV	4.82916G	32.99	54.00	-21.01	28.92	3	Horizontal	287	2.20	-	32.62	4.93	33.48

802.11n HT20_(MCS0)_3TX

2417MHz_TX

08/04/2020



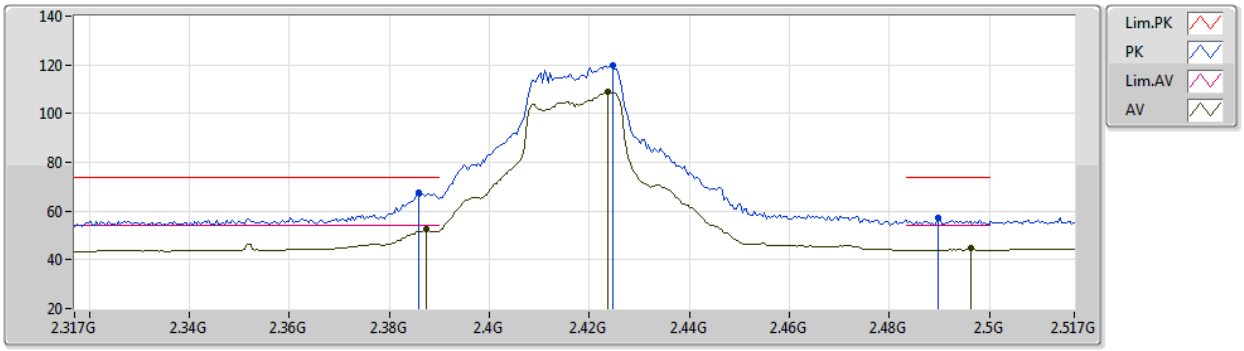
EUT Y_3TX
Setting 20
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.48	74.00	-8.52	35.12	3	Vertical	291	2.85	-	27.51	2.85	-
AV	2.3898G	51.18	54.00	-2.82	20.82	3	Vertical	291	2.85	-	27.51	2.85	-
PK	2.4114G	117.47	Inf	-Inf	87.05	3	Vertical	291	2.85	-	27.55	2.87	-
AV	2.4114G	106.56	Inf	-Inf	76.14	3	Vertical	291	2.85	-	27.55	2.87	-
PK	2.491G	56.48	74.00	-17.52	25.71	3	Vertical	291	2.85	-	27.86	2.91	-
AV	2.4942G	44.04	54.00	-9.96	13.24	3	Vertical	291	2.85	-	27.88	2.92	-

802.11n HT20_(MCS0)_3TX

2417MHz_TX

08/04/2020



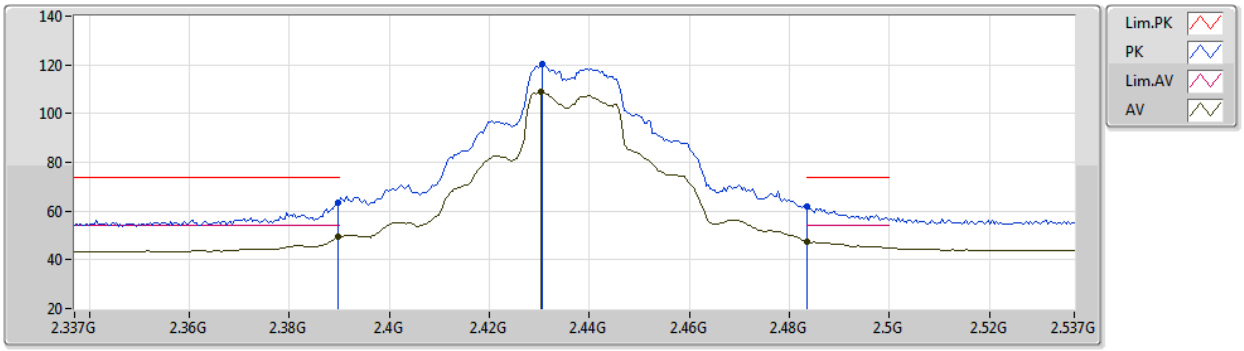
EUT Y_3TX
Setting 20
04-C-E-2

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	2.3858G	67.52	74.00	-6.48	37.16	3	Horizontal	269	1.62	-	27.51	2.85	-
AV	2.3874G	52.33	54.00	-1.67	21.97	3	Horizontal	269	1.62	-	27.51	2.85	-
PK	2.4246G	119.73	Inf	-Inf	89.26	3	Horizontal	269	1.62	-	27.60	2.87	-
AV	2.4238G	108.89	Inf	-Inf	78.42	3	Horizontal	269	1.62	-	27.60	2.87	-
PK	2.4898G	57.02	74.00	-16.98	26.25	3	Horizontal	269	1.62	-	27.86	2.91	-
AV	2.4962G	44.57	54.00	-9.43	13.77	3	Horizontal	269	1.62	-	27.88	2.92	-

802.11n HT20_(MCS0)_3TX

2437MHz_TX

08/04/2020



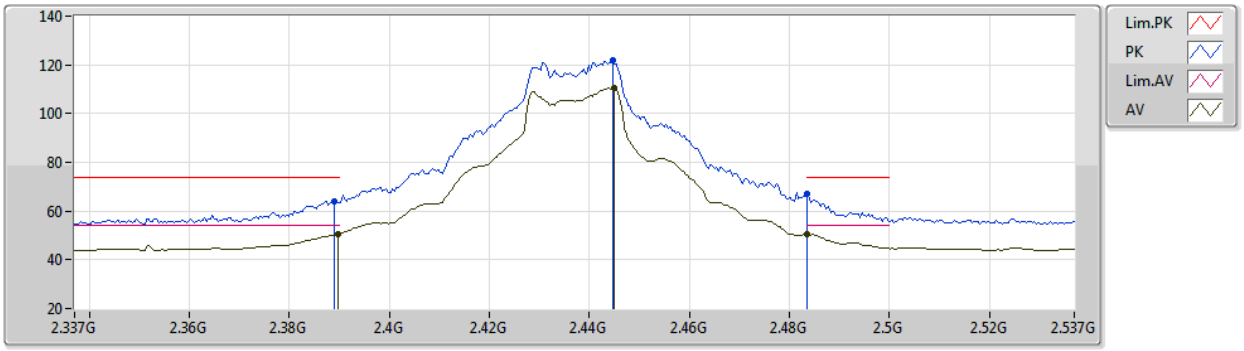
EUT Y_3TX
Setting 22
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.55	74.00	-10.45	33.19	3	Vertical	304	2.55	-	27.51	2.85	-
AV	2.3898G	49.45	54.00	-4.55	19.09	3	Vertical	304	2.55	-	27.51	2.85	-
PK	2.4306G	120.38	Inf	-Inf	89.88	3	Vertical	304	2.55	-	27.62	2.88	-
AV	2.4302G	108.99	Inf	-Inf	78.49	3	Vertical	304	2.55	-	27.62	2.88	-
PK	2.4835G	62.15	74.00	-11.85	31.41	3	Vertical	304	2.55	-	27.83	2.91	-
AV	2.4835G	47.42	54.00	-6.58	16.68	3	Vertical	304	2.55	-	27.83	2.91	-

802.11n HT20_(MCS0)_3TX

2437MHz_TX

08/04/2020



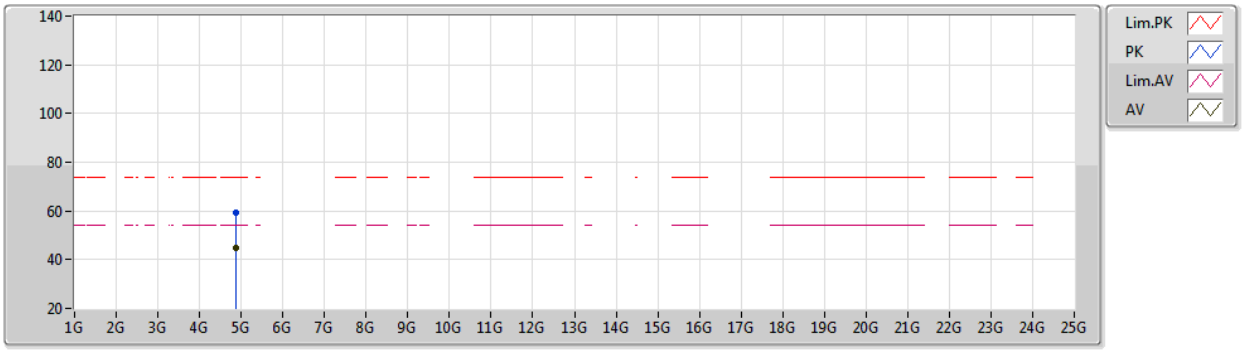
EUT Y_3TX
Setting 22
04-C-E-2

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	64.07	74.00	-9.93	33.71	3	Horizontal	264	1.80	-	27.51	2.85	-
AV	2.3898G	50.75	54.00	-3.25	20.39	3	Horizontal	264	1.80	-	27.51	2.85	-
PK	2.4446G	122.01	Inf	-Inf	91.44	3	Horizontal	264	1.80	-	27.68	2.89	-
AV	2.445G	110.50	Inf	-Inf	79.93	3	Horizontal	264	1.80	-	27.68	2.89	-
PK	2.4835G	66.92	74.00	-7.08	36.18	3	Horizontal	264	1.80	-	27.83	2.91	-
AV	2.4835G	50.40	54.00	-3.60	19.66	3	Horizontal	264	1.80	-	27.83	2.91	-

802.11n HT20_(MCS0)_3TX

2437MHz_TX

08/04/2020



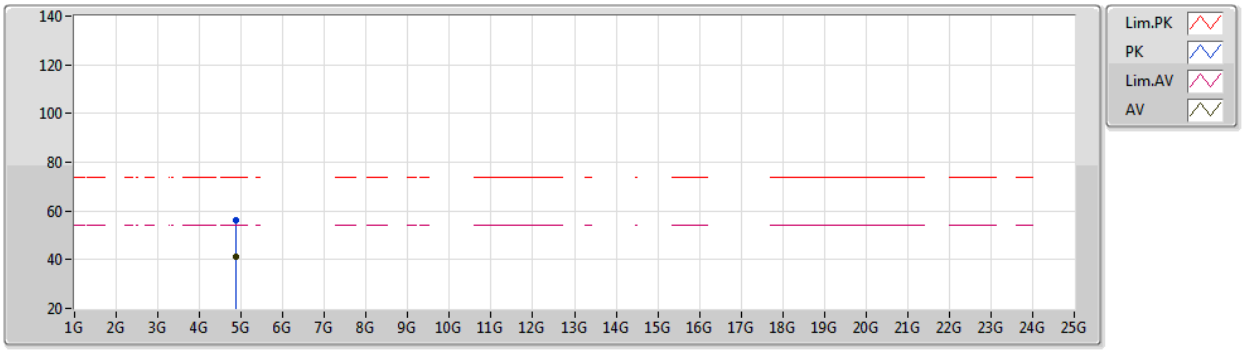
EUT Y_3TX
Setting 22
04-C-E-2

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	4.87778G	59.49	74.00	-14.51	55.17	3	Vertical	267	1.86	-	32.81	4.96	33.45
AV	4.87784G	45.03	54.00	-8.97	40.71	3	Vertical	267	1.86	-	32.81	4.96	33.45

802.11n HT20_(MCS0)_3TX

2437MHz_TX

08/04/2020



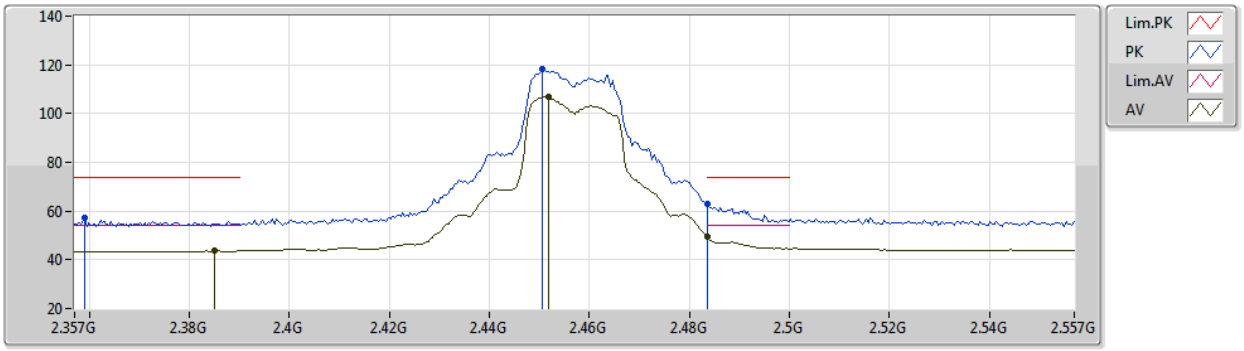
EUT Y_3TX
Setting 22
04-C-E-2

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	4.87784G	56.24	74.00	-17.76	51.92	3	Horizontal	283	1.85	-	32.81	4.96	33.45
AV	4.8779G	41.14	54.00	-12.86	36.82	3	Horizontal	283	1.85	-	32.81	4.96	33.45

802.11n HT20_(MCS0)_3TX

2457MHz_TX

08/04/2020



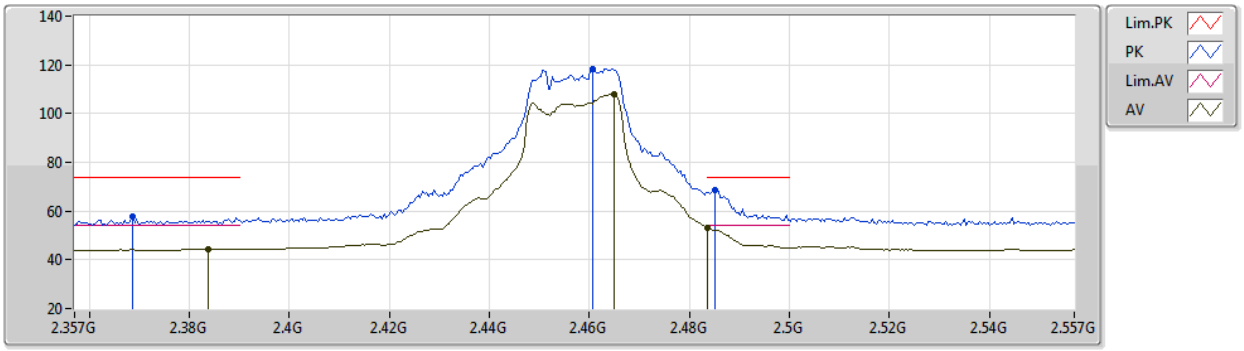
EUT Y_3TX
Setting 19.5
04-C-E-2

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	2.359G	57.11	74.00	-16.89	26.73	3	Vertical	295	2.72	-	27.54	2.84	-
AV	2.385G	43.58	54.00	-10.42	13.21	3	Vertical	295	2.72	-	27.52	2.85	-
PK	2.4506G	118.49	Inf	-Inf	87.90	3	Vertical	295	2.72	-	27.70	2.89	-
AV	2.4518G	106.76	Inf	-Inf	76.16	3	Vertical	295	2.72	-	27.71	2.89	-
PK	2.4835G	63.14	74.00	-10.86	32.40	3	Vertical	295	2.72	-	27.83	2.91	-
AV	2.4835G	49.51	54.00	-4.49	18.77	3	Vertical	295	2.72	-	27.83	2.91	-

802.11n HT20_(MCS0)_3TX

2457MHz_TX

08/04/2020



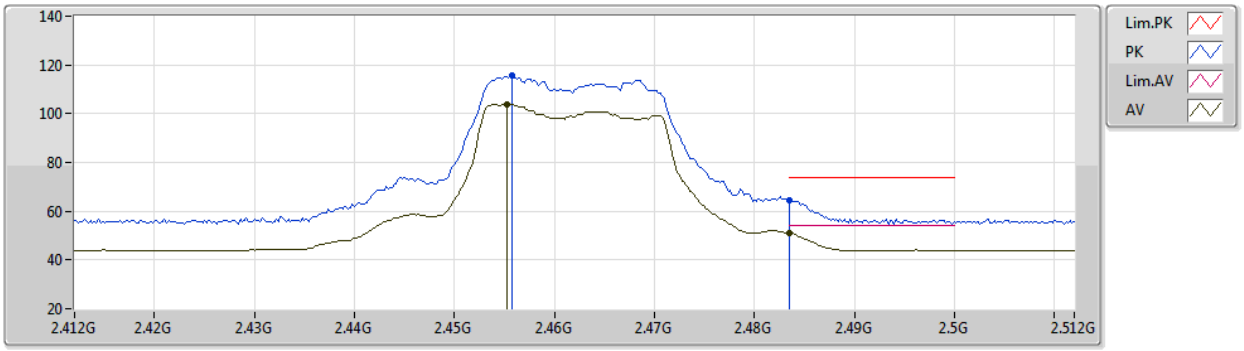
EUT Y_3TX
Setting 19.5
04-C-E-2

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	2.3686G	57.94	74.00	-16.06	27.57	3	Horizontal	266	1.77	-	27.53	2.84	-
AV	2.3838G	44.44	54.00	-9.56	14.07	3	Horizontal	266	1.77	-	27.52	2.85	-
PK	2.4606G	118.46	Inf	-Inf	87.82	3	Horizontal	266	1.77	-	27.74	2.90	-
AV	2.465G	107.88	Inf	-Inf	77.22	3	Horizontal	266	1.77	-	27.76	2.90	-
PK	2.485G	68.71	74.00	-5.29	37.96	3	Horizontal	266	1.77	-	27.84	2.91	-
AV	2.4835G	52.92	54.00	-1.08	22.18	3	Horizontal	266	1.77	-	27.83	2.91	-

802.11n HT20_(MCS0)_3TX

2462MHz_TX

08/04/2020



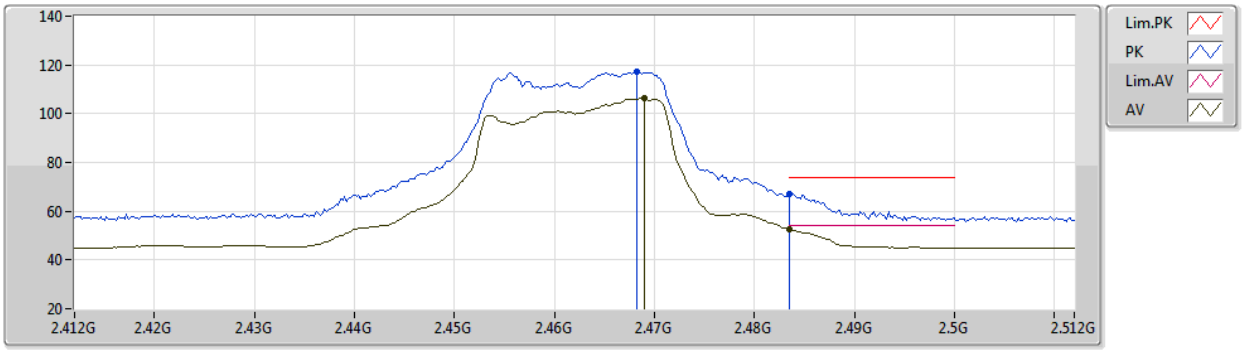
EUT Y_3TX
Setting 17.5
04-C-E-2

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	2.4558G	115.68	Inf	-Inf	85.07	3	Vertical	295	2.75	-	27.72	2.89	-
AV	2.4552G	103.96	Inf	-Inf	73.35	3	Vertical	295	2.75	-	27.72	2.89	-
PK	2.4835G	64.31	74.00	-9.69	33.57	3	Vertical	295	2.75	-	27.83	2.91	-
AV	2.4835G	51.09	54.00	-2.91	20.35	3	Vertical	295	2.75	-	27.83	2.91	-

802.11n HT20_(MCS0)_3TX

2462MHz_TX

08/04/2020



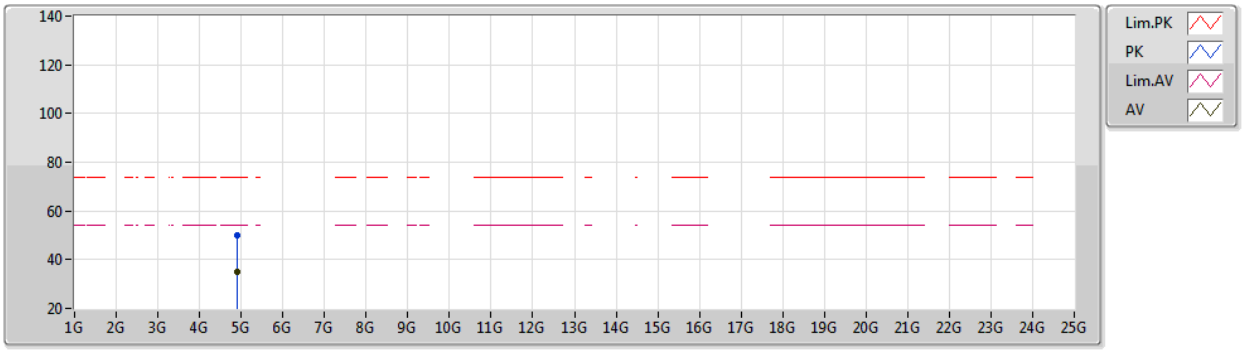
EUT Y_3TX
Setting 17.5
04-C-E-2

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	2.4682G	117.19	Inf	-Inf	86.52	3	Horizontal	262	1.75	-	27.77	2.90	-
AV	2.469G	106.32	Inf	-Inf	75.64	3	Horizontal	262	1.75	-	27.78	2.90	-
PK	2.4835G	67.14	74.00	-6.86	36.40	3	Horizontal	262	1.75	-	27.83	2.91	-
AV	2.4835G	52.58	54.00	-1.42	21.84	3	Horizontal	262	1.75	-	27.83	2.91	-

802.11n HT20_(MCS0)_3TX

2462MHz_TX

08/04/2020



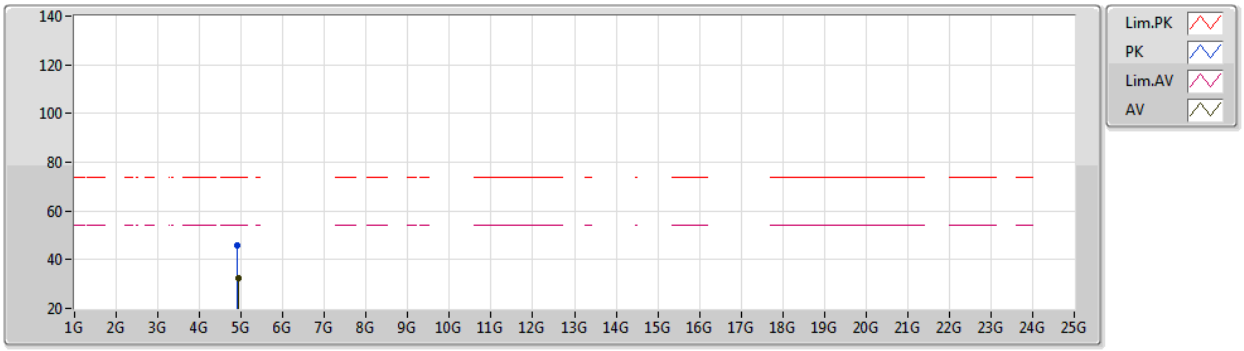
EUT Y_3TX
Setting 17.5
04-C-E-2

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	4.91614G	50.16	74.00	-23.84	45.67	3	Vertical	259	1.97	-	32.93	4.98	33.42
AV	4.91644G	34.94	54.00	-19.06	30.45	3	Vertical	259	1.97	-	32.93	4.98	33.42

802.11n HT20_(MCS0)_3TX

2462MHz_TX

08/04/2020



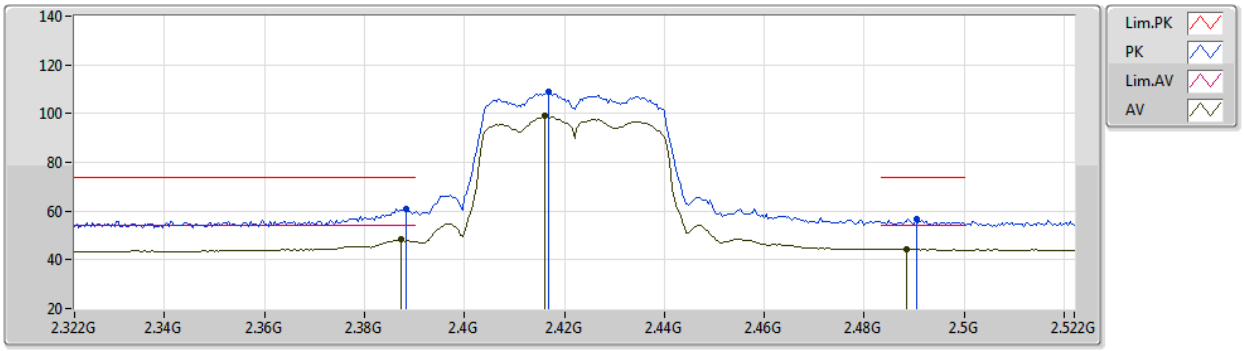
EUT Y_3TX
Setting 17.5
04-C-E-2

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	4.91746G	45.92	74.00	-28.08	41.43	3	Horizontal	281	1.80	-	32.93	4.98	33.42
AV	4.92772G	32.27	54.00	-21.73	27.74	3	Horizontal	281	1.80	-	32.96	4.98	33.41

802.11n HT40_(MCS0)_3TX

2422MHz_TX

08/04/2020



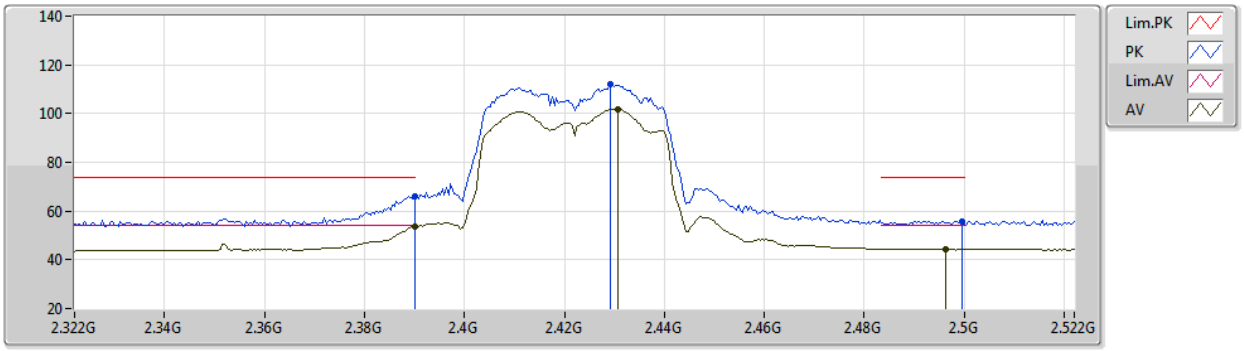
EUT Y_3TX
Setting 14
04-C-E-2

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	2.3884G	60.73	74.00	-13.27	30.37	3	Vertical	296	2.29	-	27.51	2.85	-
AV	2.3872G	48.34	54.00	-5.66	17.98	3	Vertical	296	2.29	-	27.51	2.85	-
PK	2.4168G	109.05	Inf	-Inf	78.61	3	Vertical	296	2.29	-	27.57	2.87	-
AV	2.416G	98.95	Inf	-Inf	68.52	3	Vertical	296	2.29	-	27.56	2.87	-
PK	2.4904G	56.61	74.00	-17.39	25.84	3	Vertical	296	2.29	-	27.86	2.91	-
AV	2.4884G	44.40	54.00	-9.60	13.64	3	Vertical	296	2.29	-	27.85	2.91	-

802.11n HT40_(MCS0)_3TX

2422MHz_TX

08/04/2020



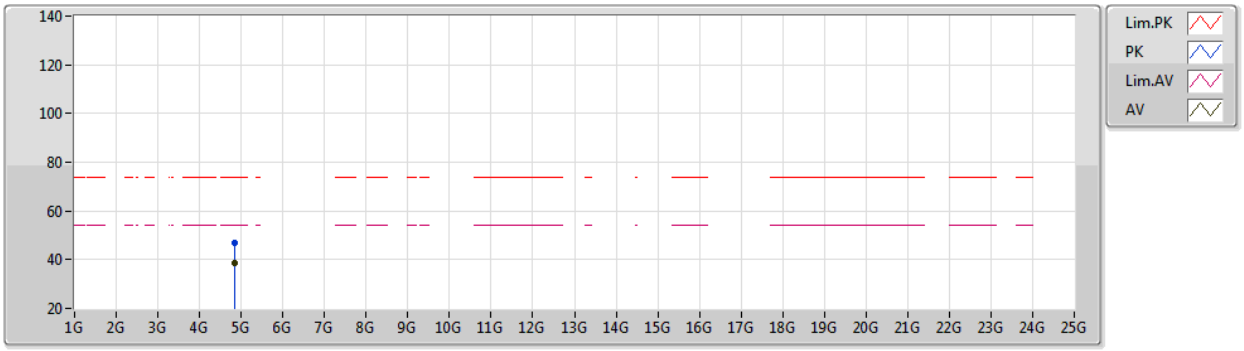
EUT Y_3TX
Setting 14
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	66.02	74.00	-7.98	35.66	3	Horizontal	264	1.80	-	27.51	2.85	-
AV	2.39G	53.61	54.00	-0.39	23.25	3	Horizontal	264	1.80	-	27.51	2.85	-
PK	2.4292G	111.82	Inf	-Inf	81.32	3	Horizontal	264	1.80	-	27.62	2.88	-
AV	2.4308G	101.88	Inf	-Inf	71.38	3	Horizontal	264	1.80	-	27.62	2.88	-
PK	2.4996G	55.89	74.00	-18.11	25.07	3	Horizontal	264	1.80	-	27.90	2.92	-
AV	2.4964G	44.55	54.00	-9.45	13.74	3	Horizontal	264	1.80	-	27.89	2.92	-

802.11n HT40_(MCS0)_3TX

2422MHz_TX

08/04/2020



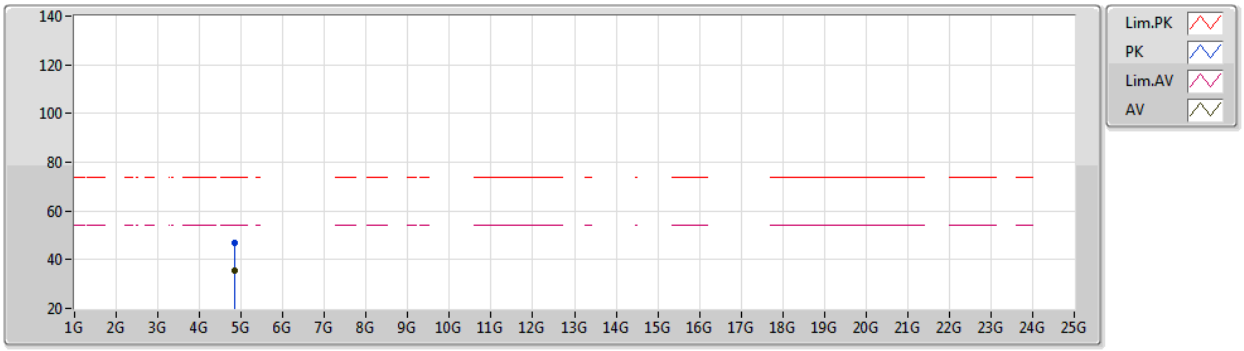
EUT Y_3TX
Setting 14
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.84386G	47.03	74.00	-26.97	42.88	3	Vertical	52	2.18	-	32.68	4.94	33.47
AV	4.84378G	38.44	54.00	-15.56	34.29	3	Vertical	52	2.18	-	32.68	4.94	33.47

802.11n HT40_(MCS0)_3TX

2422MHz_TX

08/04/2020



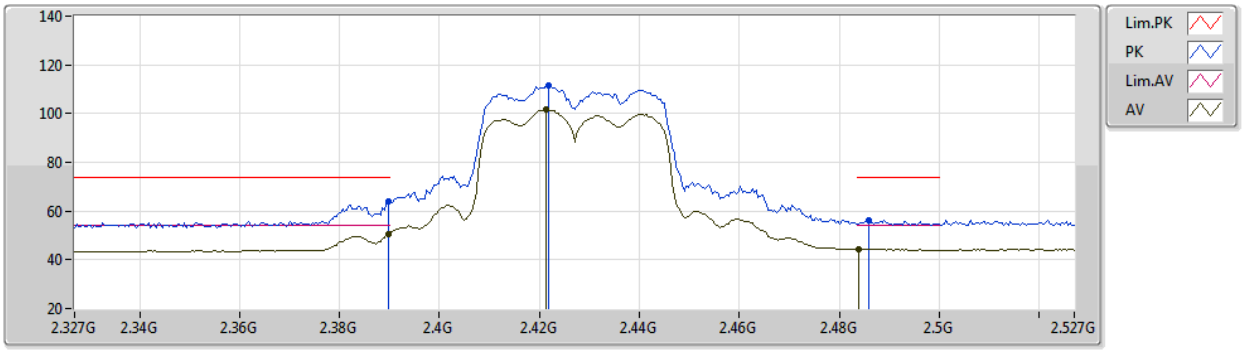
EUT Y_3TX
Setting 14
04-C-E-2

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	4.84378G	46.77	74.00	-27.23	42.62	3	Horizontal	252	1.51	-	32.68	4.94	33.47
AV	4.8437G	35.64	54.00	-18.36	31.50	3	Horizontal	252	1.51	-	32.67	4.94	33.47

802.11n HT40_(MCS0)_3TX

2427MHz_TX

08/04/2020



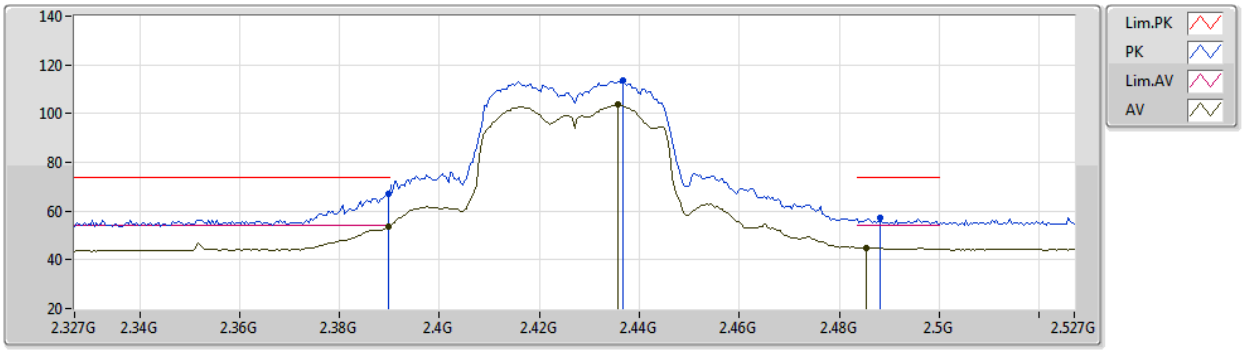
EUT Y_3TX
Setting 16.5
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	63.90	74.00	-10.10	33.54	3	Vertical	290	2.77	-	27.51	2.85	-
AV	2.3898G	50.70	54.00	-3.30	20.34	3	Vertical	290	2.77	-	27.51	2.85	-
PK	2.4218G	111.62	Inf	-Inf	81.16	3	Vertical	290	2.77	-	27.59	2.87	-
AV	2.4214G	101.85	Inf	-Inf	71.39	3	Vertical	290	2.77	-	27.59	2.87	-
PK	2.4858G	56.38	74.00	-17.62	25.63	3	Vertical	290	2.77	-	27.84	2.91	-
AV	2.4838G	44.32	54.00	-9.68	13.57	3	Vertical	290	2.77	-	27.84	2.91	-

802.11n HT40_(MCS0)_3TX

2427MHz_TX

08/04/2020



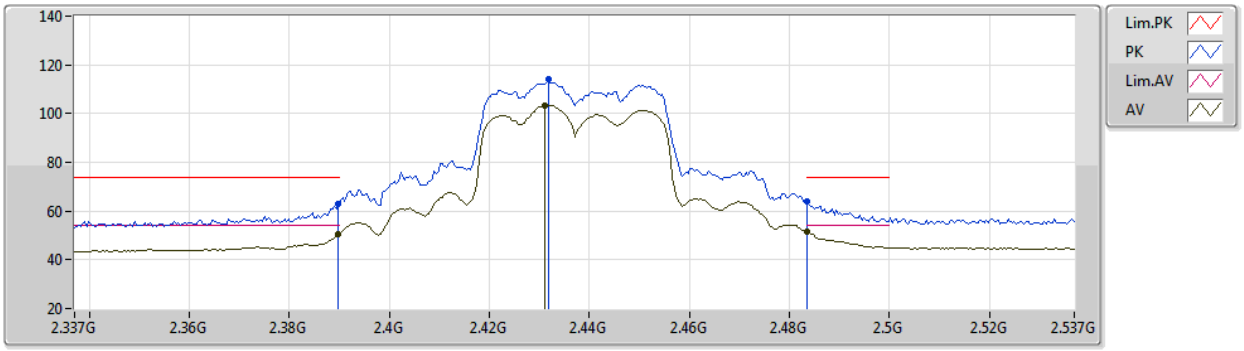
EUT Y_3TX
Setting 16.5
04-C-E-2

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	67.10	74.00	-6.90	36.74	3	Horizontal	263	1.96	-	27.51	2.85	-
AV	2.3898G	53.58	54.00	-0.42	23.22	3	Horizontal	263	1.96	-	27.51	2.85	-
PK	2.4366G	113.39	Inf	-Inf	82.86	3	Horizontal	263	1.96	-	27.65	2.88	-
AV	2.4358G	103.61	Inf	-Inf	73.09	3	Horizontal	263	1.96	-	27.64	2.88	-
PK	2.4882G	57.07	74.00	-16.93	26.31	3	Horizontal	263	1.96	-	27.85	2.91	-
AV	2.4854G	45.07	54.00	-8.93	14.32	3	Horizontal	263	1.96	-	27.84	2.91	-

802.11n HT40_(MCS0)_3TX

2437MHz_TX

08/04/2020



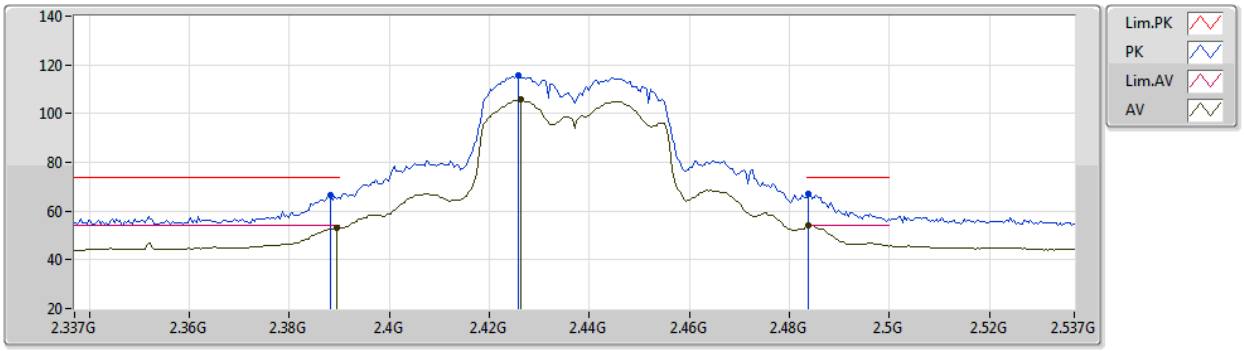
EUT Y_3TX
Setting 18
04-C-E-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.77	74.00	-11.23	32.41	3	Vertical	287	2.78	-	27.51	2.85	-
AV	2.3898G	50.50	54.00	-3.50	20.14	3	Vertical	287	2.78	-	27.51	2.85	-
PK	2.4318G	114.02	Inf	-Inf	83.51	3	Vertical	287	2.78	-	27.63	2.88	-
AV	2.431G	103.53	Inf	-Inf	73.03	3	Vertical	287	2.78	-	27.62	2.88	-
PK	2.4835G	63.77	74.00	-10.23	33.03	3	Vertical	287	2.78	-	27.83	2.91	-
AV	2.4835G	51.32	54.00	-2.68	20.58	3	Vertical	287	2.78	-	27.83	2.91	-

802.11n HT40_(MCS0)_3TX

2437MHz_TX

08/04/2020



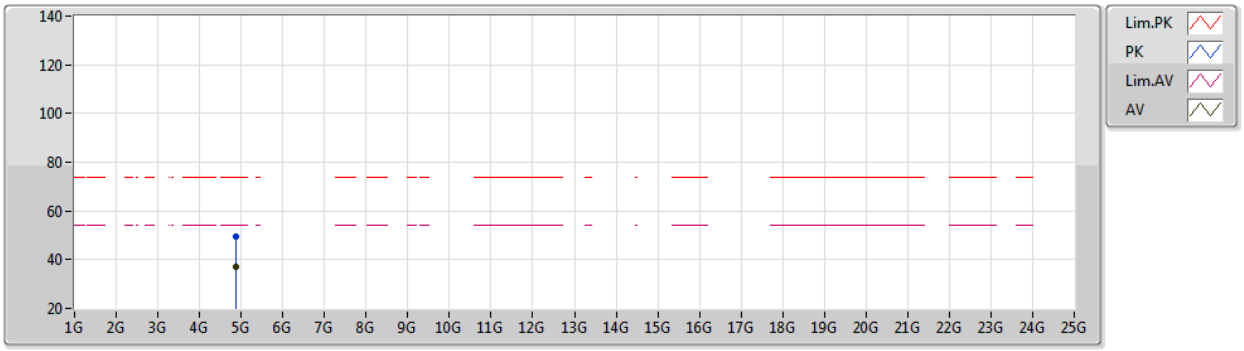
EUT Y_3TX
Setting 18
04-C-E-2

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	66.58	74.00	-7.42	36.22	3	Horizontal	264	1.63	-	27.51	2.85	-
AV	2.3894G	53.18	54.00	-0.82	22.82	3	Horizontal	264	1.63	-	27.51	2.85	-
PK	2.4258G	115.91	Inf	-Inf	85.43	3	Horizontal	264	1.63	-	27.60	2.88	-
AV	2.4262G	105.66	Inf	-Inf	75.18	3	Horizontal	264	1.63	-	27.60	2.88	-
PK	2.4838G	67.20	74.00	-6.80	36.45	3	Horizontal	264	1.63	-	27.84	2.91	-
AV	2.4838G	53.96	54.00	-0.04	23.21	3	Horizontal	264	1.63	-	27.84	2.91	-

802.11n HT40_(MCS0)_3TX

2437MHz_TX

08/04/2020



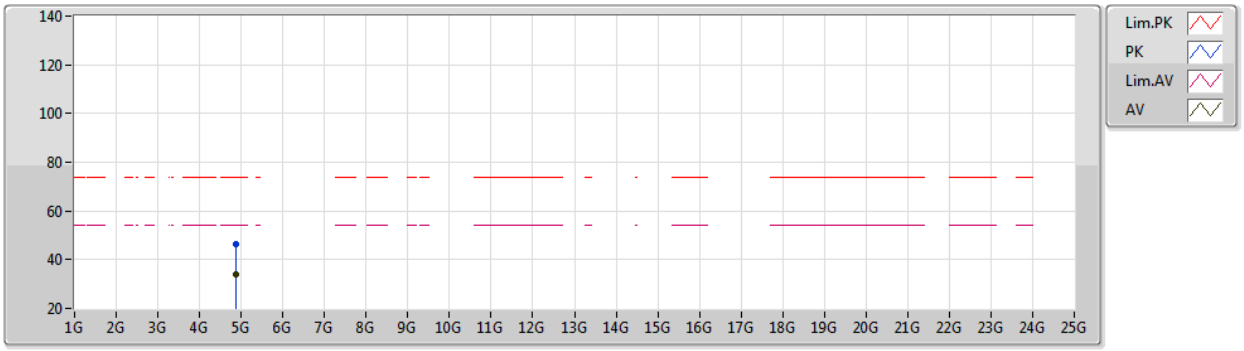
EUT Y_3TX
Setting 18
04-C-E-2

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	4.87064G	49.23	74.00	-24.77	44.94	3	Vertical	260	1.80	-	32.78	4.96	33.45
AV	4.86948G	36.89	54.00	-17.11	32.61	3	Vertical	260	1.80	-	32.78	4.95	33.45

802.11n HT40_(MCS0)_3TX

2437MHz_TX

08/04/2020



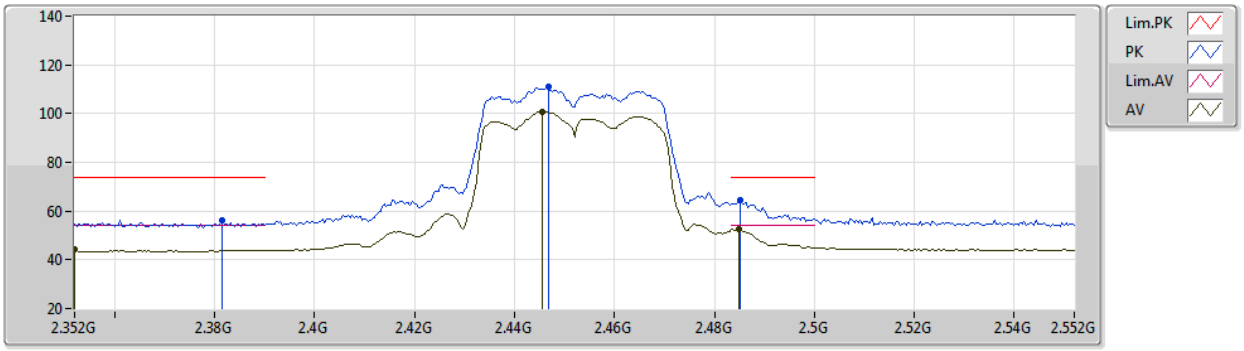
EUT Y_3TX
Setting 18
04-C-E-2

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	4.87994G	46.55	74.00	-27.45	42.21	3	Horizontal	289	1.74	-	32.82	4.96	33.44
AV	4.87814G	33.91	54.00	-20.09	29.59	3	Horizontal	289	1.74	-	32.81	4.96	33.45

802.11n HT40_(MCS0)_3TX

2452MHz_TX

08/04/2020



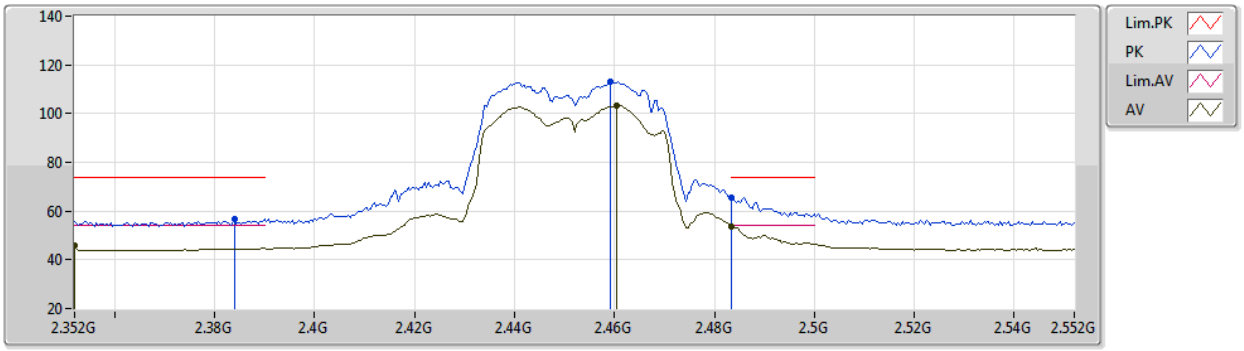
EUT Y_3TX
Setting 15.5
04-C-E-2

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	2.3816G	56.43	74.00	-17.57	26.06	3	Vertical	298	2.71	-	27.52	2.85	-
AV	2.352G	44.17	54.00	-9.83	13.79	3	Vertical	298	2.71	-	27.55	2.83	-
PK	2.4468G	111.18	Inf	-Inf	80.60	3	Vertical	298	2.71	-	27.69	2.89	-
AV	2.4456G	100.93	Inf	-Inf	70.36	3	Vertical	298	2.71	-	27.68	2.89	-
PK	2.4852G	64.68	74.00	-9.32	33.93	3	Vertical	298	2.71	-	27.84	2.91	-
AV	2.4848G	52.39	54.00	-1.61	21.64	3	Vertical	298	2.71	-	27.84	2.91	-

802.11n HT40_(MCS0)_3TX

2452MHz_TX

08/04/2020



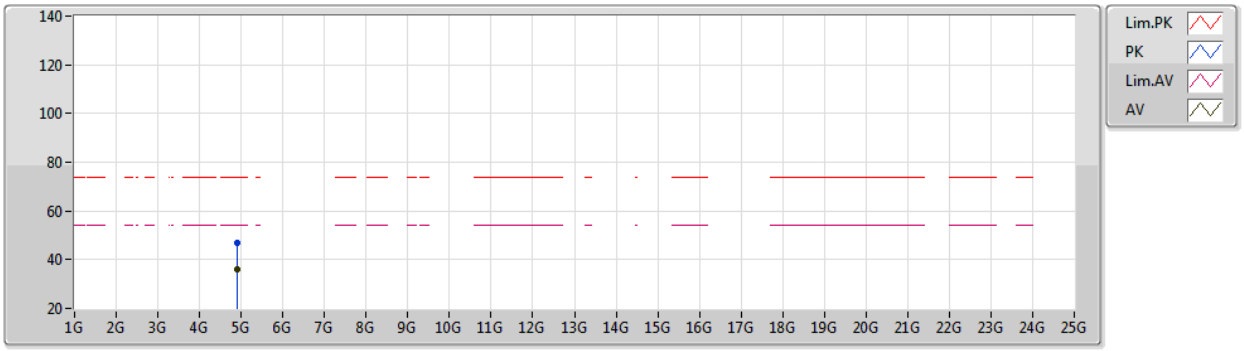
EUT Y_3TX
Setting 15.5
04-C-E-2

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	2.384G	56.77	74.00	-17.23	26.40	3	Horizontal	265	1.77	-	27.52	2.85	-
AV	2.352G	45.98	54.00	-8.02	15.60	3	Horizontal	265	1.77	-	27.55	2.83	-
PK	2.4592G	113.03	Inf	-Inf	82.39	3	Horizontal	265	1.77	-	27.74	2.90	-
AV	2.4604G	103.31	Inf	-Inf	72.67	3	Horizontal	265	1.77	-	27.74	2.90	-
PK	2.4835G	65.46	74.00	-8.54	34.72	3	Horizontal	265	1.77	-	27.83	2.91	-
AV	2.4835G	53.61	54.00	-0.39	22.87	3	Horizontal	265	1.77	-	27.83	2.91	-

802.11n HT40_(MCS0)_3TX

2452MHz_TX

08/04/2020



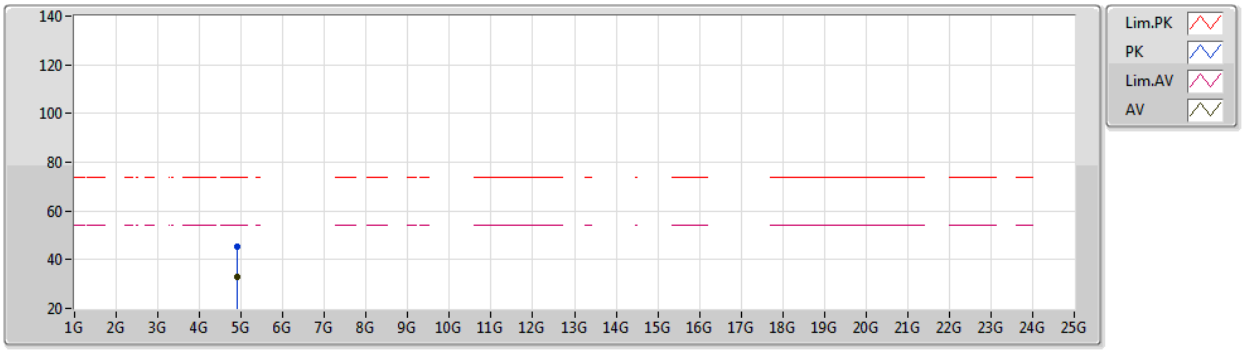
EUT Y_3TX
Setting 15.5
04-C-E-2

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	4.89976G	46.81	74.00	-27.19	42.37	3	Vertical	239	2.34	-	32.90	4.97	33.43
AV	4.90398G	35.81	54.00	-18.19	31.36	3	Vertical	239	2.34	-	32.91	4.97	33.43

802.11n HT40_(MCS0)_3TX

2452MHz_TX

08/04/2020



EUT Y_3TX
Setting 15.5
04-C-E-2

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	4.9011G	45.43	74.00	-28.57	40.99	3	Horizontal	106	2.08	-	32.90	4.97	33.43
AV	4.90022G	32.90	54.00	-21.10	28.46	3	Horizontal	106	2.08	-	32.90	4.97	33.43