FCC Test Report

Equipment	:	Access Point
Brand Name	:	Aerohive
Model No.	:	AP150W
FCC ID	:	WBV-AP150W
Standard	:	47 CFR FCC Part 15.247
Operating Band	:	2400 MHz – 2483.5 MHz
Function	:	☒ Point-to-multipoint; ☐ Point-to-point
Applicant	:	Aerohive Networks Inc. 1011 McCarthy Blvd, Milpitas, CA 95035
Manufacturer	:	Aerohive Networks Inc. 1011 McCarthy Blvd, Milpitas, CA 95035

The product sample received on Jun. 13, 2017 and completely tested on Jul. 28, 2017. We, SPORTON, 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., the test report shall not be reproduced except in full.

Cliff Chang
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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Summary of Test Result

Conformance Test Specifications				
Report Clause	**Ref. Std. Clause**	**Description**	**Limit**	**Result**
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Maximum Conducted Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: > 30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

Revision History

Report No.	Version	Description	Issued Date
FR761315AA	Rev. 01	Initial issue of report	Aug. 23, 2017

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), ac (VHT20)	2412-2462	1-11 [11]

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

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

1.1.2 Antenna Information

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)	
					2.4G	5G
1	WNC	95XKAA15.GCY	PCB Antenna	I-PEX	2.33	5.88
2	WNC	95XKAA15.GCZ	PCB Antenna	I-PEX	3.45	5.86
3	WNC	95XKAA15.GC1	PCB Antenna	I-PEX	3.63	5.86

Note: The EUT has three antennas.

<For 2.4GHz WLAN Function>

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

Ant. 2 connect to port 1 and Ant. 3 connect to port 2

Ant. 2 and Ant. 3 could transmit/receive simultaneously.

<For 5GHz WLAN Function>

For IEEE 802.11a/n/ac mode (3TX, 3RX):

Ant. 1 connect to port 1, Ant. 2 connect to port 2 and Ant. 3 connect to port 3

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

<For Bluetooth Function>

For bluetooth mode (1TX, 1RX):

Ant. 1 connect to port 1

Only Ant. 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.991	0.039	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.951	0.218	2.068m	1k
802.11ac VHT20	0.951	0.218	1.933m	1k
802.11ac VHT20-BF	0.868	0.615	1.948m	1k

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☒	With beamforming for 802.11n/ac.	☐	Without beamforming

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v04
- FCC KDB 662911 D01 v02r01
- FCC KDB 644545 D01 v01r02
- FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
		TEL :	886-3-327-3456 FAX : 886-3-318-0055
☒	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	TH01-CB	Eddie Weng	23°C / 55%	Jun. 24, 2017
Radiated (For below 1GHz)	03CH01-CB	Welson Chen & Nyle Chang & Peter Wu	22°C / 54%	Jul. 19, 2017
Radiated (For above 1GHz)	03CH01-CB	Welson Chen & Nyle Chang & Peter Wu	22°C / 54%	Jun. 16, 2017 ~ Jul. 20, 2017
AC Conduction	CO01-CB	Howard Lin	22°C / 54%	Jul. 28, 2017

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)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_(1Mbps)_2TX	-
2412MHz	62
2437MHz	76
2462MHz	64
802.11g_(6Mbps)_2TX	-
2412MHz	62
2437MHz	64
2462MHz	59
802.11ac VHT20_Nss1,(MCS0)_2TX	-
2412MHz	58
2437MHz	65
2462MHz	55
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	53
2437MHz	65
2462MHz	55

Note:
- VHT20 covers HT20, due to same modulation. The power setting for 802.11n HT20 is the same or lower than 802.11ac VHT20.
- There are two modes of EUT for 802.11n/ac in 2.4GHz/5GHz. One is beamforming mode, and the other is non-beamforming mode. Both modes have been tested and recorded in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT + 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	Normal Link - EUT in Y axis + Adapter
2	Normal Link - EUT in Y axis + PoE 1
3	Normal Link - EUT in Y axis + PoE 2
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT in Y axis

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz+Bluetooth
Refer to Sporton Test Report No.: FA761315 for Co-location RF Exposure Evaluation.	

Note 1: The EUT can only be used at Y axis position.

Note 2: The defines from manufacturer, "console port" without any function, and it was performed test at the load.

Note 3: PoE and Adapter information as below:

The EUT was powered by PoE or Adapter, and the PoE and Adapter was for measurement only, would not be marketed.

Support Unit	Brand	Model
Adapter	CUI INC	SWI36-48-N
PoE 1	Microsemi	PD-3501G/AC
PoE 2	Microsemi	PD-9001GR/AT/AC

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

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

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Wall-mounted rack*1

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*5	DELL	E6430	DoC
2	PoE Loader	Leader	PFS-4010	DoC
3	Adapter	CUI INC	SWI36-48-N	DoC

For Test Site No: 03CH01-CB (below 1GHz)

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E4300	DoC
2	NB	Apple	Mac Book	DoC
3	PoE Loader	WNC	M1	DoC
4	Adapter	CUI INC	SWI36-48-N	DoC

For Test Site No: 03CH01-CB (above 1GHz)
For non-beamforming mode

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC
2	PoE 1	Microsemi	PD-3501G/AC	DoC

For beamforming mode

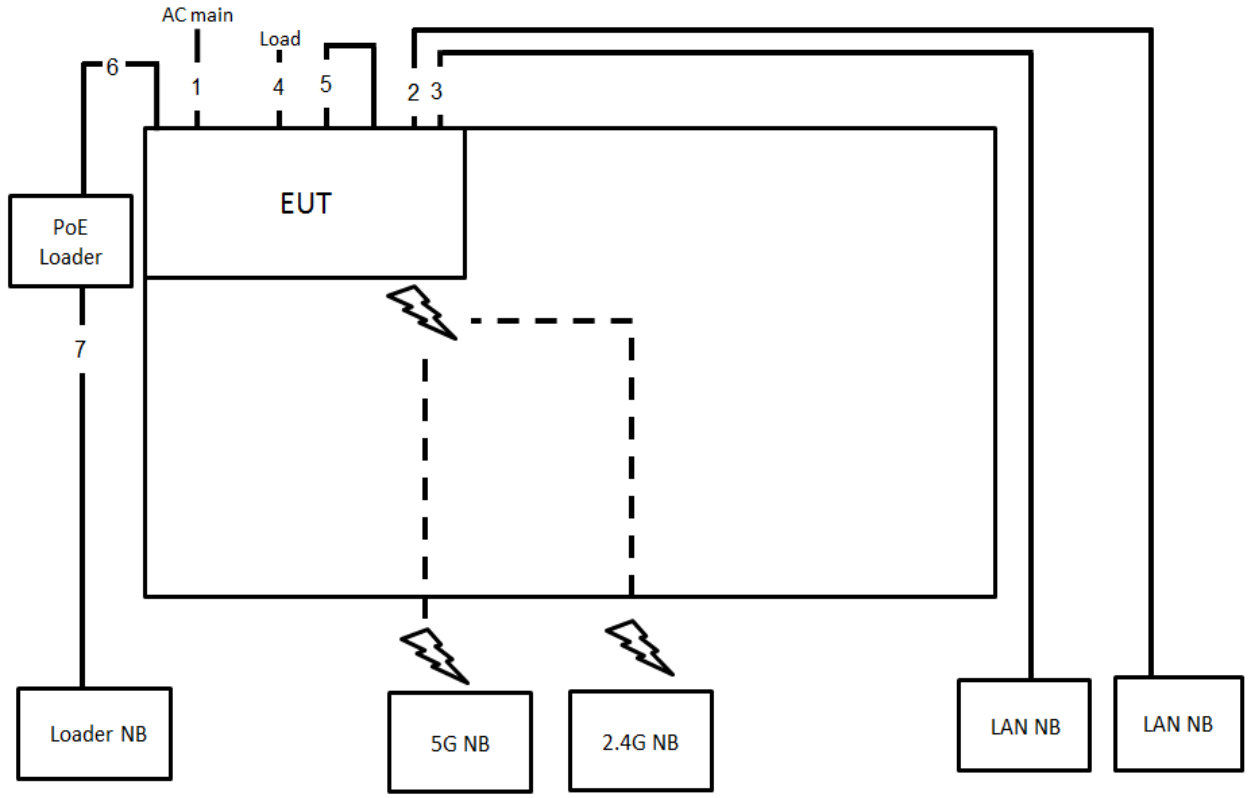
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	PoE 1	Microsemi	PD-3501G/AC	DoC
3	WLAN module	Broadcom	BCM943162ZP	QDS-BRCM1075
4	Test fixture	N/A	N/A	N/A

For Test Site No: TH01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC
2	PoE 2	Microsemi	PD-9001GR/AT/AC	DoC

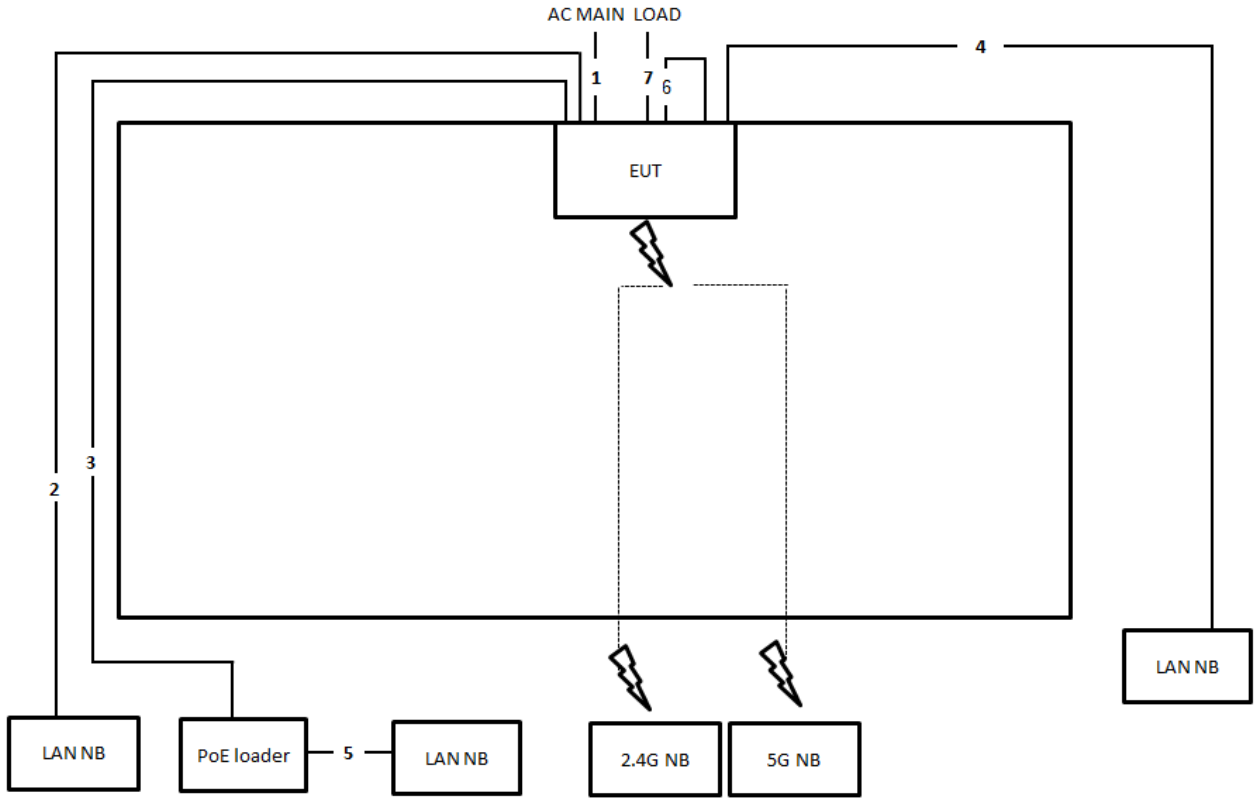
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



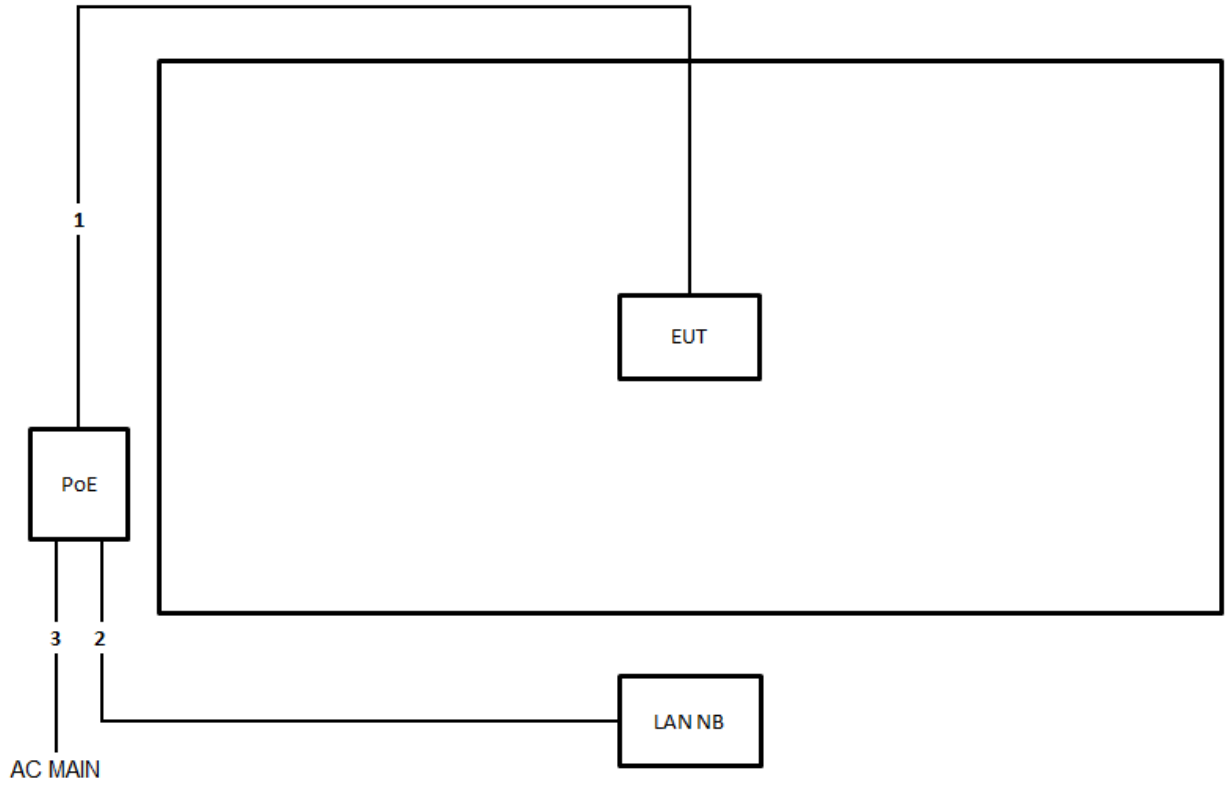
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable	No	0.1m
6	RJ-45 cable	No	10m
7	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



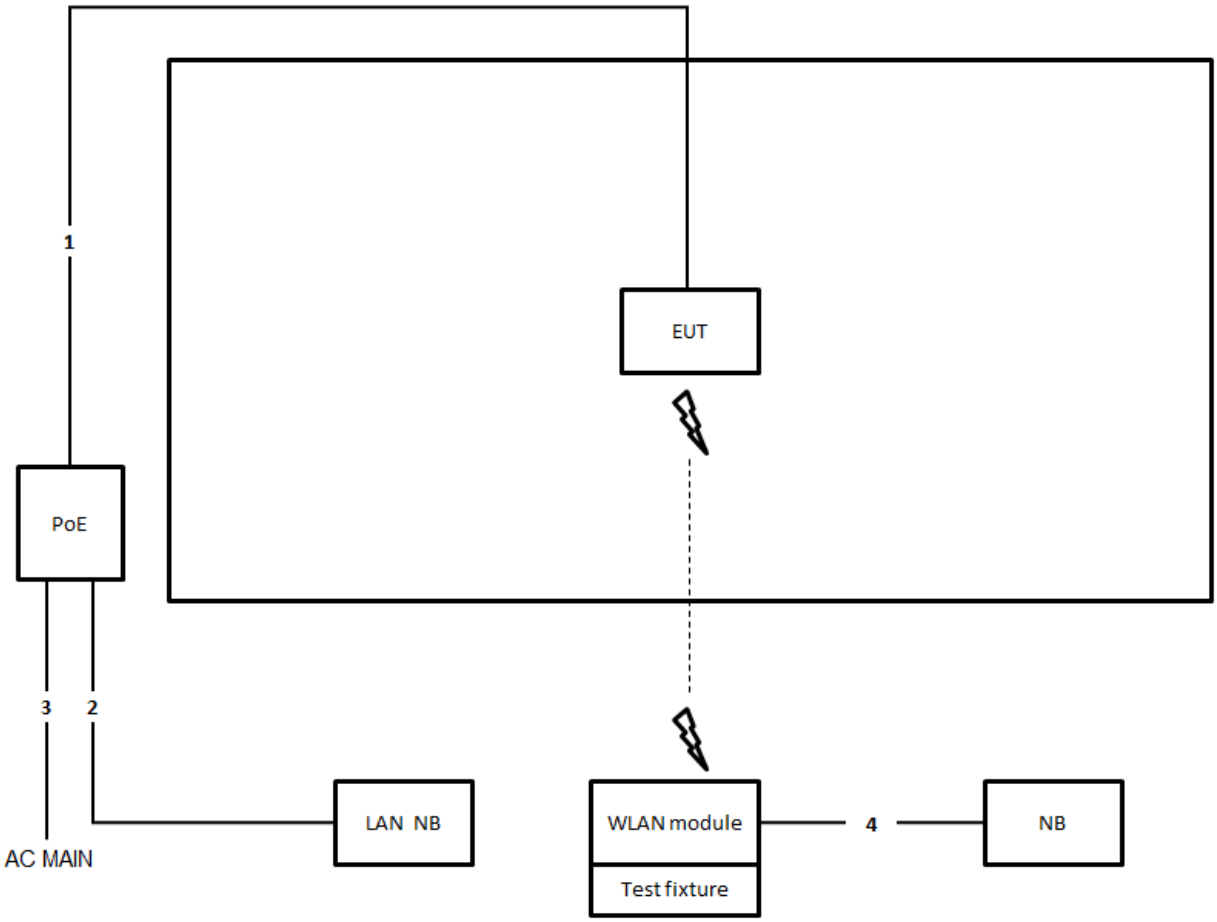
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	Power cable	No	1.5m
6	RJ-45 cable	No	0.1m
7	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / For non-beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10
2	RJ-45 cable	No	1.5
3	Power cable	No	1.8

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



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10
2	RJ-45 cable	No	1.5
3	Power cable	No	1.8
4	RJ-45 cable	No	1.5

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

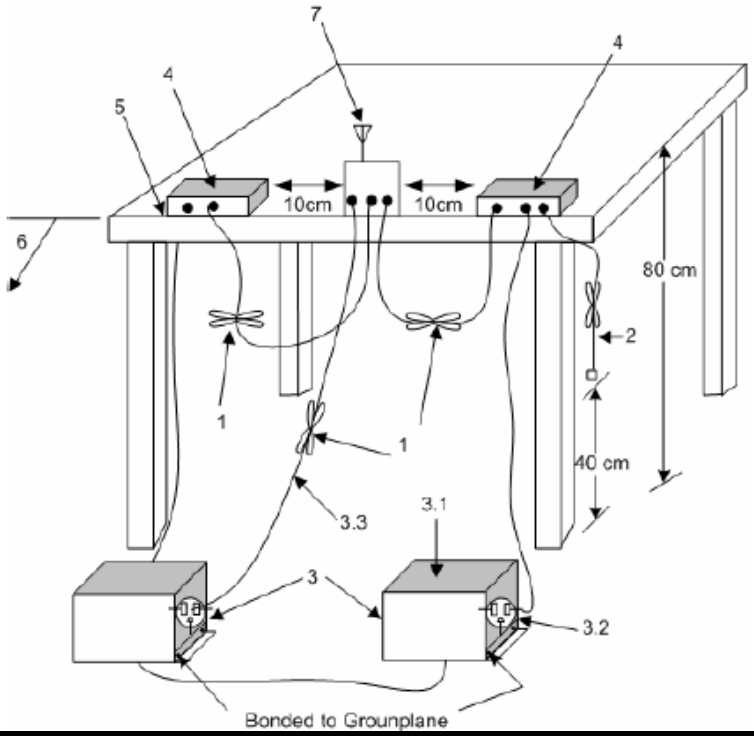
Refer a test equipment and calibration data table in this test report.

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



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

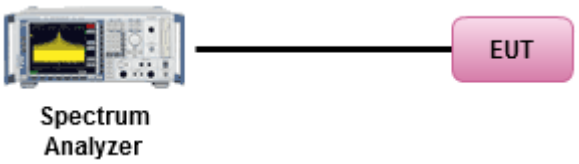
3.2.2 Measuring Instruments

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 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 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 9.1.1 Option 1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
	☒ Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM-G (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 9.1.2 PKPM1 Peak power meter method.
▪ 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

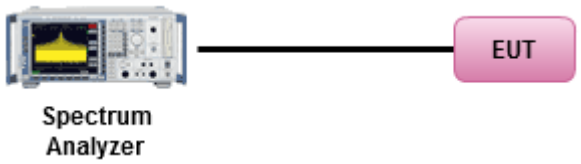
3.4.2 Measuring Instruments

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 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).	
	[duty cycle ≥ 98% or external video / power trigger]	
	☐ Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.4 Method AVGPSD-2 (slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☐ Refer as FCC KDB 558074, clause 10.5 Method AVGPSD-1 Alt (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)	
▪ 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 (dB)**
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.	

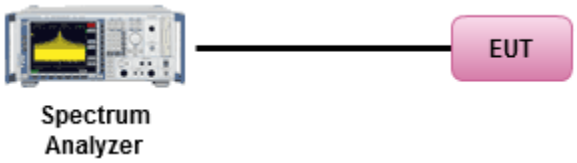
3.5.2 Measuring Instruments

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 11 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.

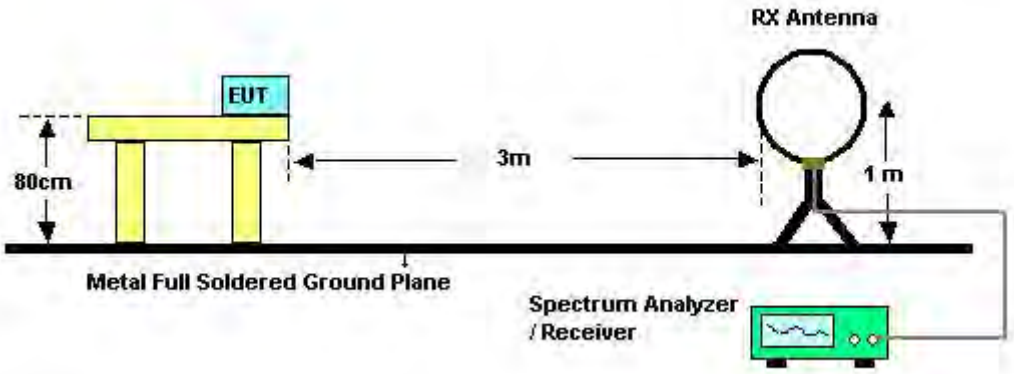
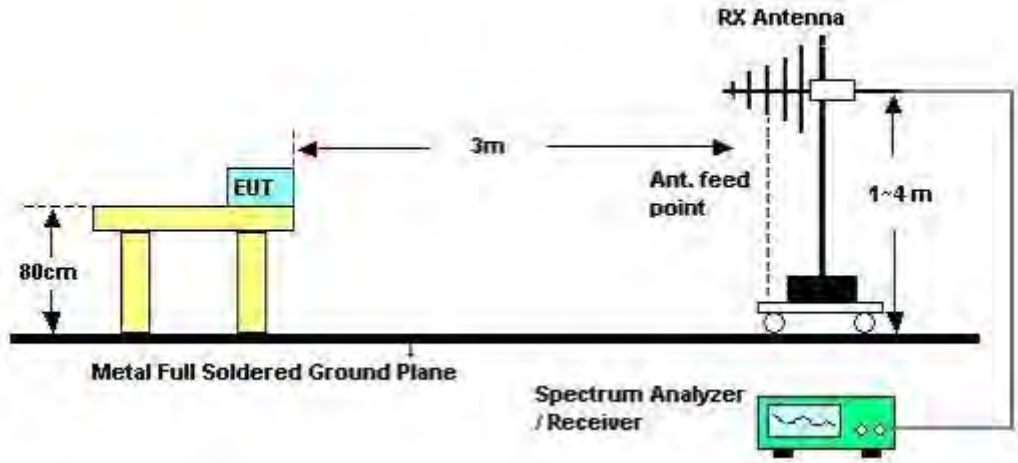
3.6.2 Measuring Instruments

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

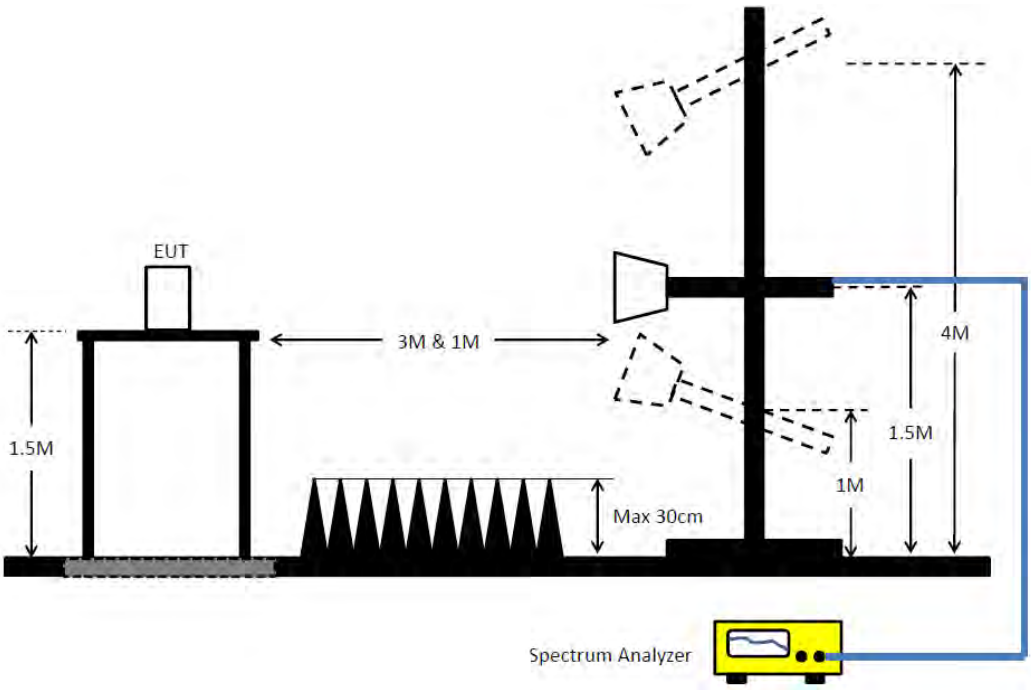
3.6.3 Test Procedures

Test Method		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ Refer as ANSI C63.10, clause 6.9.2.2 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 12 for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)
		☐ Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
		☒ Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW≥1/T).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 558074, clause 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 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 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.	
	▪ Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).	
▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.		
	▪ 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

Transmitter Radiated Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D&N-6-06	37880&AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)

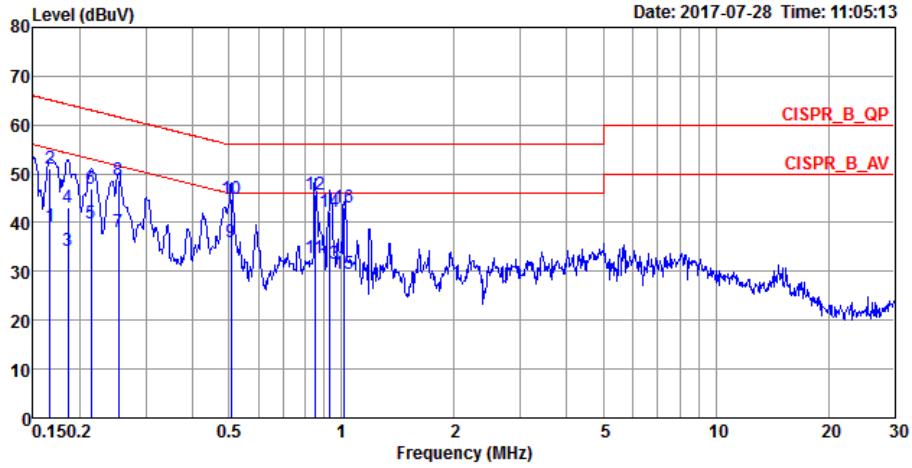
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)

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

"*" Calibration Interval of instruments listed above is two years.

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

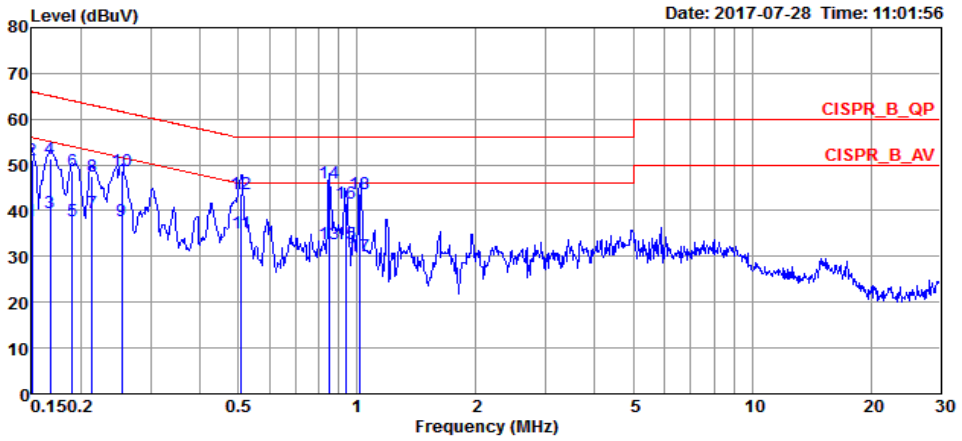
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1662	39.21	-15.94	55.15	28.96	10.10	0.15	Average	NEUTRAL
2	0.1662	51.10	-14.05	65.15	40.85	10.10	0.15	QP	NEUTRAL
3	0.1855	34.17	-20.07	54.24	24.02	10.01	0.14	Average	NEUTRAL
4	0.1855	43.19	-21.05	64.24	33.04	10.01	0.14	QP	NEUTRAL
5	0.2140	39.96	-13.09	53.05	29.79	10.05	0.12	Average	NEUTRAL
6	0.2140	47.08	-15.97	63.05	36.91	10.05	0.12	QP	NEUTRAL
7	0.2538	38.02	-13.61	51.63	27.85	10.08	0.09	Average	NEUTRAL
8	0.2538	48.63	-13.00	61.63	38.46	10.08	0.09	QP	NEUTRAL
9	0.5078	36.07	-9.93	46.00	25.79	10.22	0.06	Average	NEUTRAL
10	0.5078	44.81	-11.19	56.00	34.53	10.22	0.06	QP	NEUTRAL
11	0.8486	32.63	-13.37	46.00	22.37	10.10	0.16	Average	NEUTRAL
12	0.8486	45.83	-10.17	56.00	35.57	10.10	0.16	QP	NEUTRAL
13	0.9327	31.56	-14.44	46.00	21.31	10.07	0.18	Average	NEUTRAL
14	0.9327	42.12	-13.88	56.00	31.87	10.07	0.18	QP	NEUTRAL
15	1.0171	29.54	-16.46	46.00	19.30	10.05	0.19	Average	NEUTRAL
16	1.0171	43.06	-12.94	56.00	32.82	10.05	0.19	QP	NEUTRAL

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

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1501	37.71	-18.28	55.99	27.55	10.00	0.16	Average	LINE
2	0.1501	51.16	-14.83	65.99	41.00	10.00	0.16	QP	LINE
3	0.1675	39.50	-15.59	55.09	29.35	10.00	0.15	Average	LINE
4	0.1675	51.48	-13.61	65.09	41.33	10.00	0.15	QP	LINE
5	0.1902	37.93	-16.10	54.03	27.89	9.91	0.13	Average	LINE
6	0.1902	48.61	-15.42	64.03	38.57	9.91	0.13	QP	LINE
7	0.2137	39.67	-13.39	53.06	29.63	9.92	0.12	Average	LINE
8	0.2137	47.53	-15.53	63.06	37.49	9.92	0.12	QP	LINE
9	0.2537	37.76	-13.88	51.64	27.75	9.92	0.09	Average	LINE
10	0.2537	48.73	-12.91	61.64	38.72	9.92	0.09	QP	LINE
11	0.5099	35.11	-10.89	46.00	25.10	9.95	0.06	Average	LINE
12	0.5099	43.77	-12.23	56.00	33.76	9.95	0.06	QP	LINE
13	0.8485	32.69	-13.31	46.00	22.57	9.96	0.16	Average	LINE
14	0.8485	46.01	-9.99	56.00	35.89	9.96	0.16	QP	LINE
15	0.9354	32.85	-13.15	46.00	22.71	9.96	0.18	Average	LINE
16	0.9354	41.70	-14.30	56.00	31.56	9.96	0.18	QP	LINE
17	1.0178	30.04	-15.96	46.00	19.89	9.96	0.19	Average	LINE
18	1.0178	43.75	-12.25	56.00	33.60	9.96	0.19	QP	LINE

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_(1Mbps)_2TX	-	-	-	-	-
2.4-2.4835GHz	7.55M	13.243M	13M2G1D	7M	10.27M
802.11g_(6Mbps)_2TX	-	-	-	-	-
2.4-2.4835GHz	16.375M	16.592M	16M6D1D	16.325M	16.517M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	17.6M	17.816M	17M8D1D	17.575M	17.741M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	17.7M	17.816M	17M8D1D	17.55M	17.691M

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

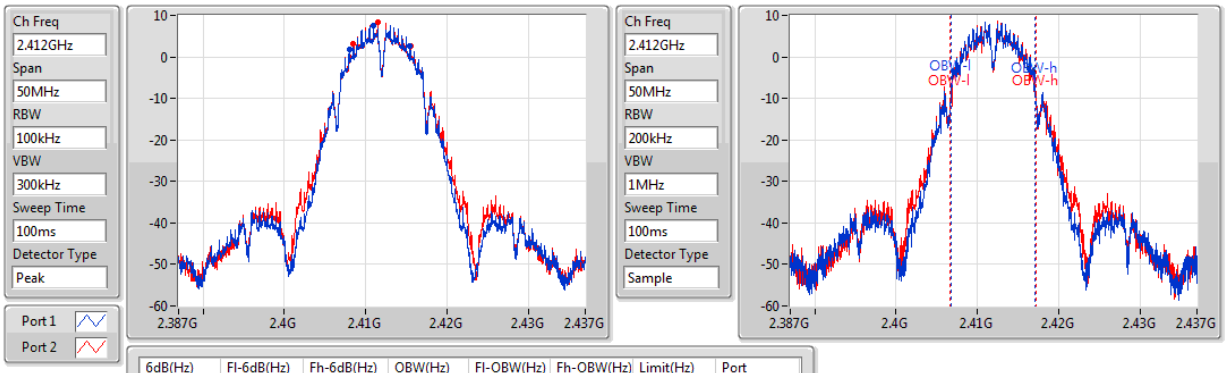
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.5M	10.295M	7.05M	10.595M
2437MHz	Pass	500k	7.55M	11.919M	7.5M	13.243M
2462MHz	Pass	500k	7.525M	10.27M	7M	11.294M
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M	16.325M	16.542M
2437MHz	Pass	500k	16.325M	16.567M	16.325M	16.592M
2462MHz	Pass	500k	16.35M	16.517M	16.375M	16.592M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.766M	17.6M	17.766M
2437MHz	Pass	500k	17.575M	17.766M	17.6M	17.741M
2462MHz	Pass	500k	17.575M	17.766M	17.6M	17.816M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.741M	17.55M	17.741M
2437MHz	Pass	500k	17.575M	17.816M	17.575M	17.741M
2462MHz	Pass	500k	17.675M	17.691M	17.7M	17.691M

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

802.11b_(1Mbps)_2TX EBW

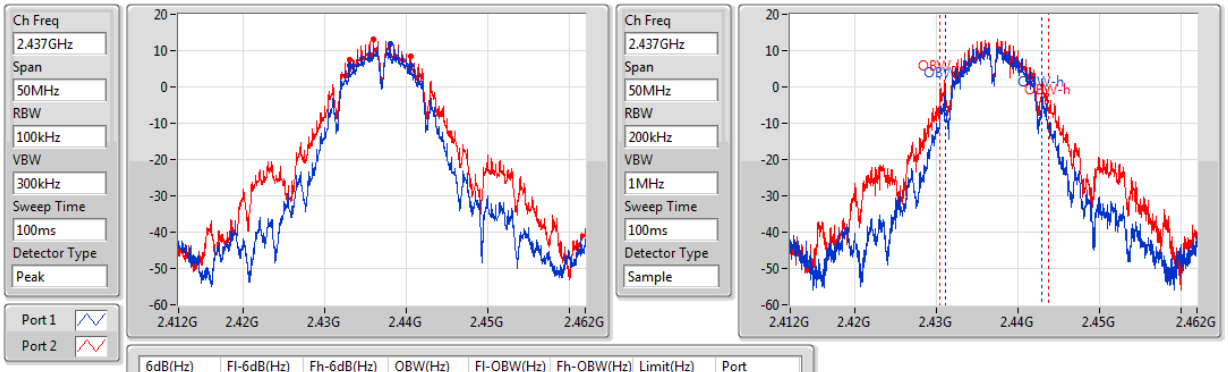
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.5M	2.407975G	2.415475G	10.295M	2.406828G	2.417122G	500k	1
7.05M	2.408475G	2.415525G	10.595M	2.406678G	2.417272G	500k	2

802.11b_(1Mbps)_2TX EBW

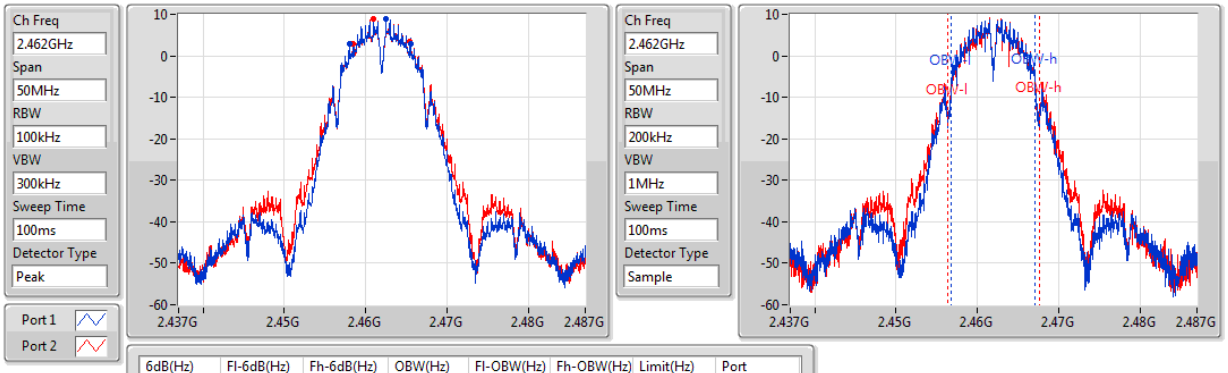
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.432975G	2.440525G	11.919M	2.431028G	2.442947G	500k	1
7.5M	2.433G	2.4405G	13.243M	2.430453G	2.443697G	500k	2

802.11b_(1Mbps)_2TX EBW

2462MHz

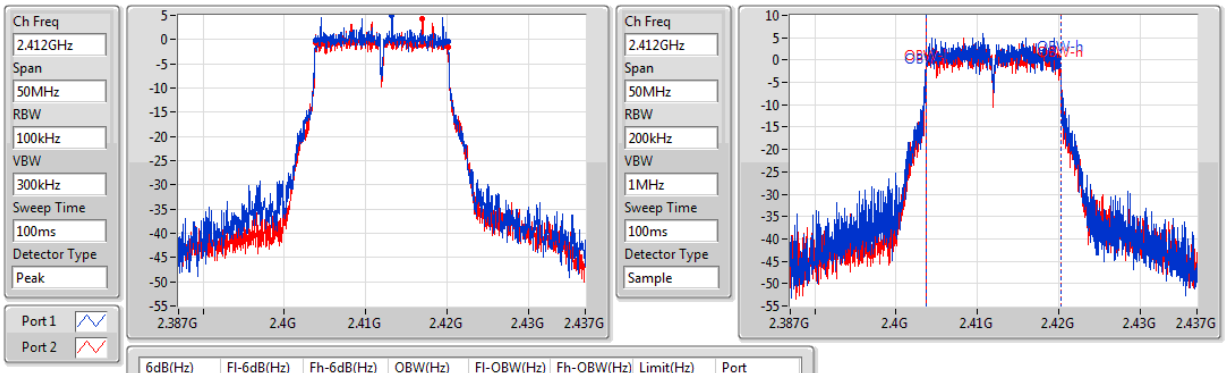


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.458G	2.465525G	10.27M	2.456828G	2.467097G	500k	1
7M	2.458475G	2.465475G	11.294M	2.456353G	2.467647G	500k	2

802.11g_(6Mbps)_2TX

EBW

2412MHz

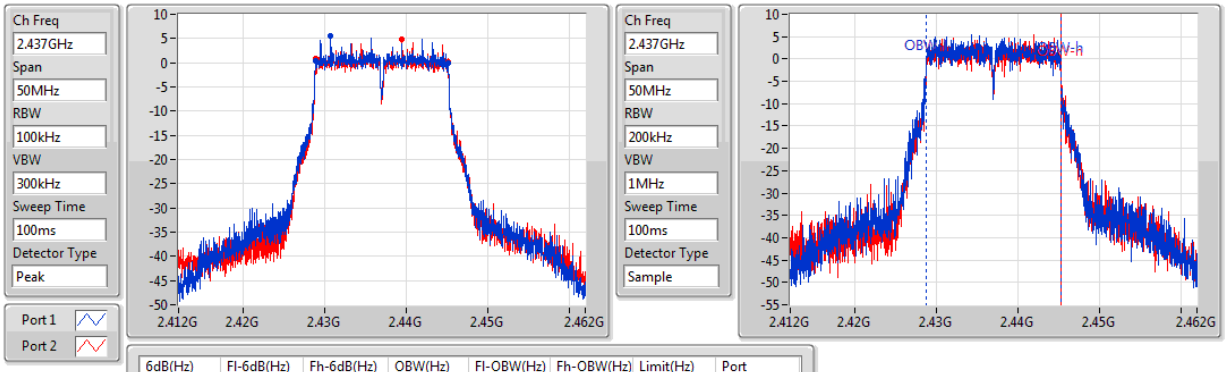


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.567M	2.403654G	2.420221G	500k	1
16.325M	2.403825G	2.42015G	16.542M	2.403679G	2.420221G	500k	2

802.11g_(6Mbps)_2TX

EBW

2437MHz

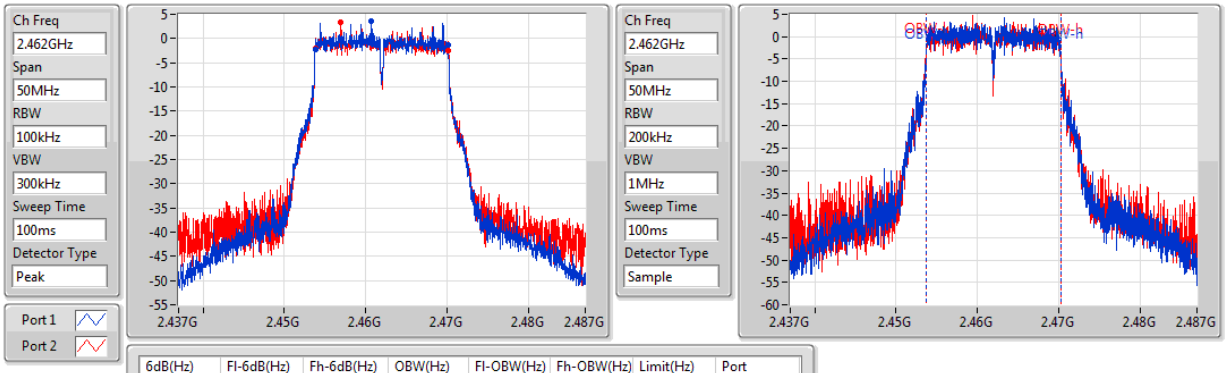


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.567M	2.428679G	2.445246G	500k	1
16.325M	2.428825G	2.44515G	16.592M	2.428679G	2.445271G	500k	2

802.11g_(6Mbps)_2TX

EBW

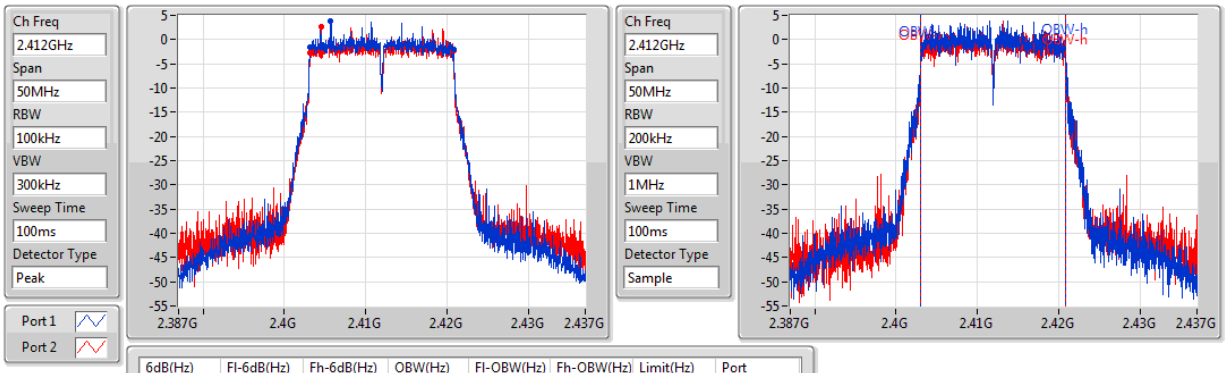
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4538G	2.47015G	16.517M	2.453704G	2.470221G	500k	1
16.375M	2.4538G	2.470175G	16.592M	2.453654G	2.470246G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

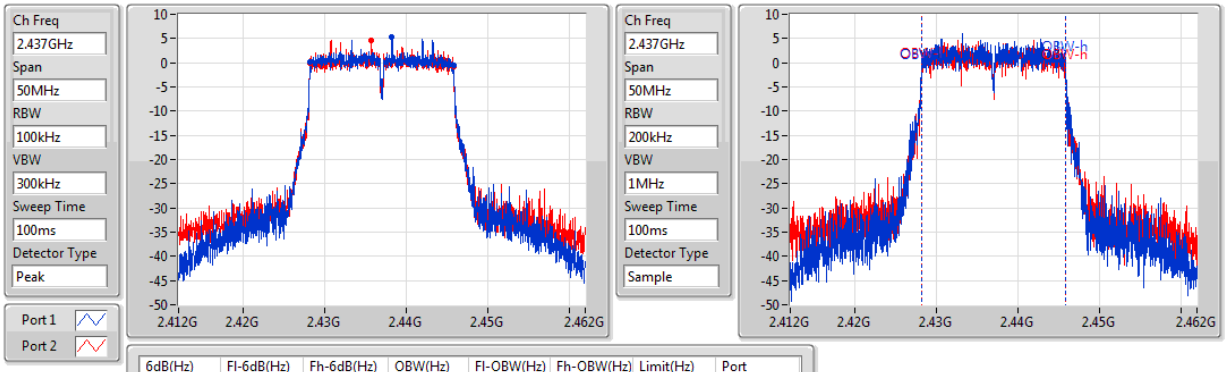
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4032G	2.420775G	17.766M	2.403079G	2.420846G	500k	1
17.6M	2.403175G	2.420775G	17.766M	2.403079G	2.420846G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

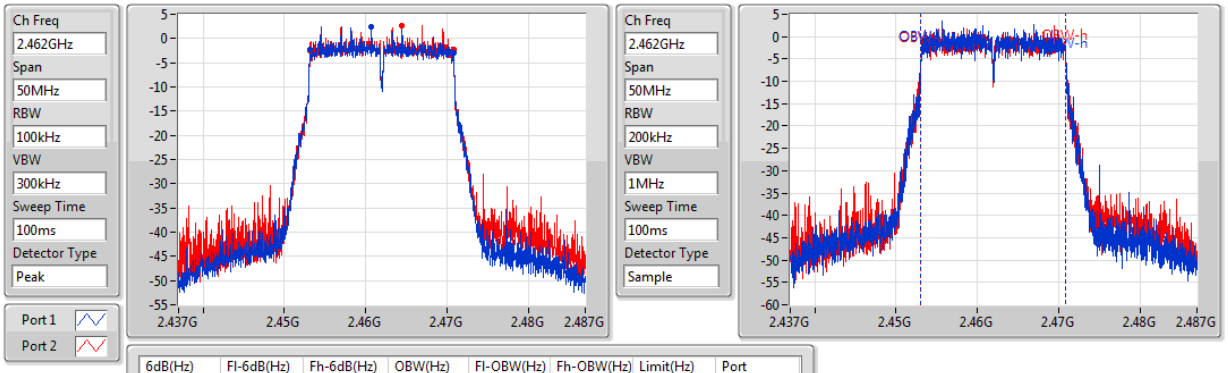
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4282G	2.445775G	17.766M	2.428104G	2.445871G	500k	1
17.6M	2.428175G	2.445775G	17.741M	2.428104G	2.445846G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

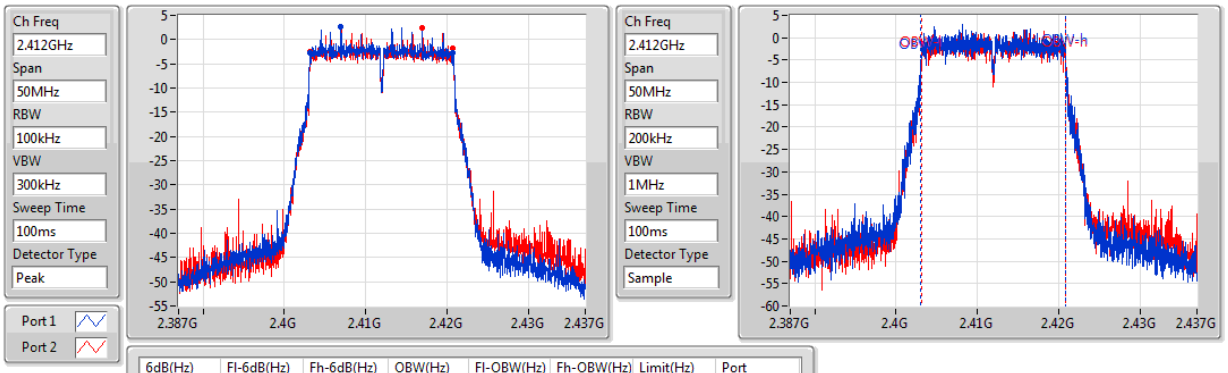
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4532G	2.470775G	17.766M	2.453079G	2.470846G	500k	1
17.6M	2.453175G	2.470775G	17.816M	2.453054G	2.470871G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

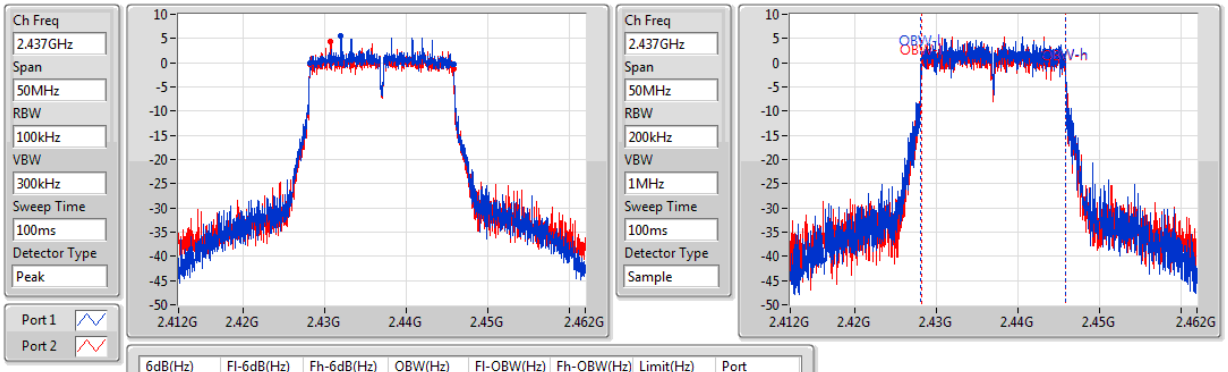
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4032G	2.42075G	17.741M	2.403079G	2.420821G	500k	1
17.55M	2.4032G	2.42075G	17.741M	2.403104G	2.420846G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

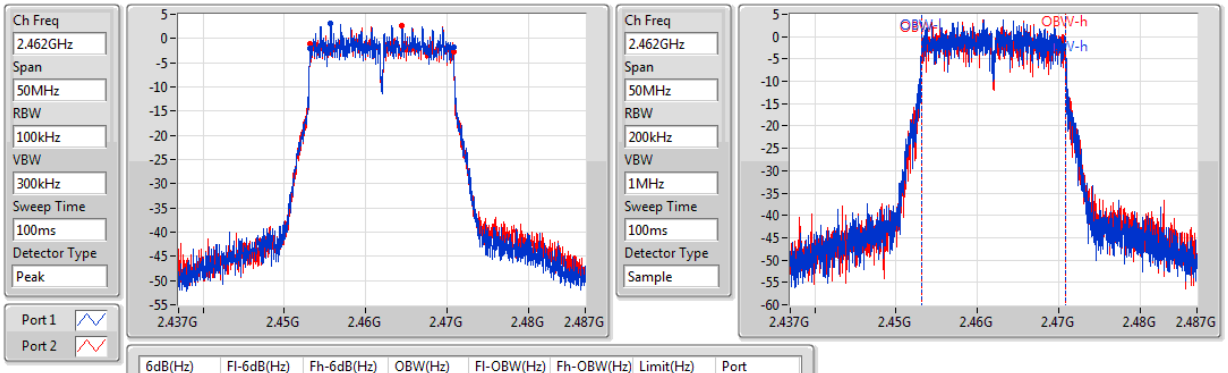
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4282G	2.445775G	17.816M	2.428029G	2.445846G	500k	1
17.575M	2.4282G	2.445775G	17.741M	2.428104G	2.445846G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.675M	2.453125G	2.4708G	17.691M	2.453104G	2.470796G	500k	1
17.7M	2.453125G	2.470825G	17.691M	2.453104G	2.470796G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_2TX	-	-
2.4-2.4835GHz	23.68	0.23335
802.11g_(6Mbps)_2TX	-	-
2.4-2.4835GHz	19.48	0.08872
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	19.92	0.09817
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	19.63	0.09183

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.63	16.19	16.12	19.17	30.00
2437MHz	Pass	3.63	19.96	21.28	23.68	30.00
2462MHz	Pass	3.63	16.69	16.84	19.78	30.00
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.63	16.60	15.67	19.17	30.00
2437MHz	Pass	3.63	16.65	16.27	19.48	30.00
2462MHz	Pass	3.63	15.50	15.26	18.39	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.63	15.26	14.32	17.82	30.00
2437MHz	Pass	3.63	17.19	16.62	19.92	30.00
2462MHz	Pass	3.63	14.42	14.35	17.40	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	14.15	13.70	16.94	29.45
2437MHz	Pass	6.55	17.11	16.06	19.63	29.45
2462MHz	Pass	6.55	14.44	14.42	17.44	29.45

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

Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_2TX	-
2.4-2.4835GHz	0.60
802.11g_(6Mbps)_2TX	-
2.4-2.4835GHz	-6.64
802.11ac VHT20_Nss1,(MCS0)_2TX	-
2.4-2.4835GHz	-7.06
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
2.4-2.4835GHz	-8.01

RBW=3kHz.

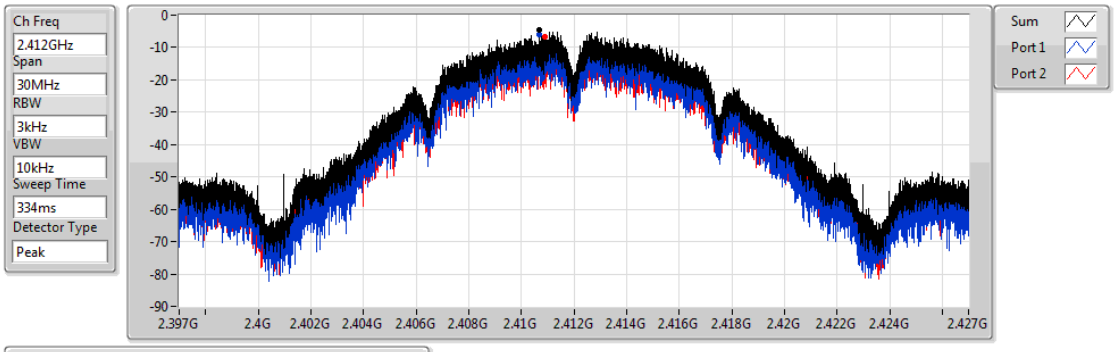
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	-6.10	-6.54	-4.57	7.45
2437MHz	Pass	6.55	-1.31	-2.36	0.60	7.45
2462MHz	Pass	6.55	-6.17	-5.85	-4.99	7.45
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	-9.66	-9.52	-7.65	7.45
2437MHz	Pass	6.55	-8.26	-9.40	-6.64	7.45
2462MHz	Pass	6.55	-9.33	-10.99	-7.94	7.45
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	-11.02	-11.23	-9.40	7.45
2437MHz	Pass	6.55	-8.75	-8.62	-7.06	7.45
2462MHz	Pass	6.55	-11.71	-11.81	-10.73	7.45
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.55	-12.64	-13.17	-11.36	7.45
2437MHz	Pass	6.55	-9.35	-8.55	-8.01	7.45
2462MHz	Pass	6.55	-11.53	-12.29	-9.84	7.45

DG = Directional Gain; RBW=3kHz;
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)_2TX **PSD**

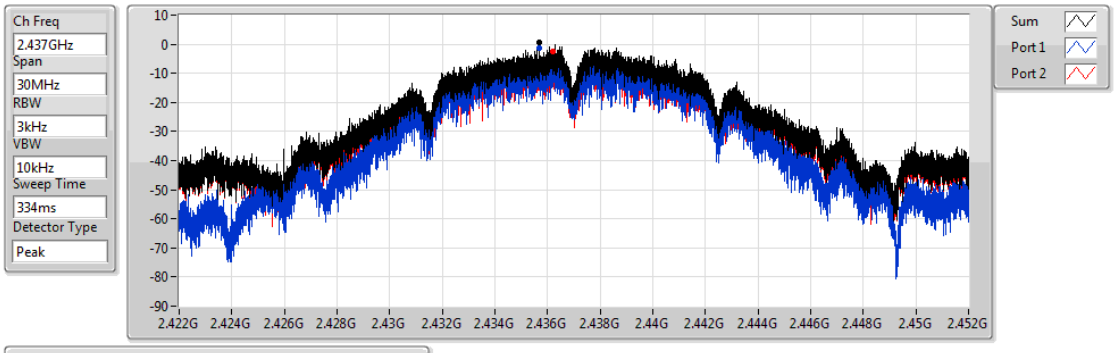
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.57	-4.57	-6.10	-6.54

802.11b_(1Mbps)_2TX **PSD**

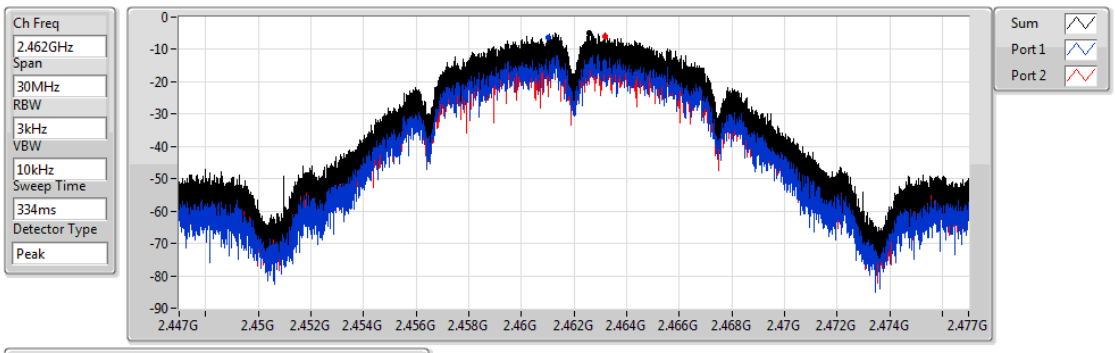
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.60	0.60	-1.31	-2.36

802.11b_(1Mbps)_2TX **PSD**

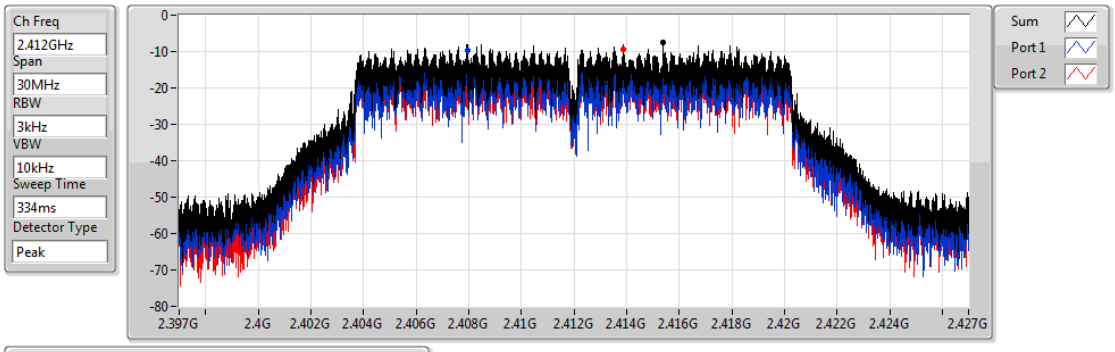
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.99	-4.99	-6.17	-5.85

802.11g_(6Mbps)_2TX **PSD**

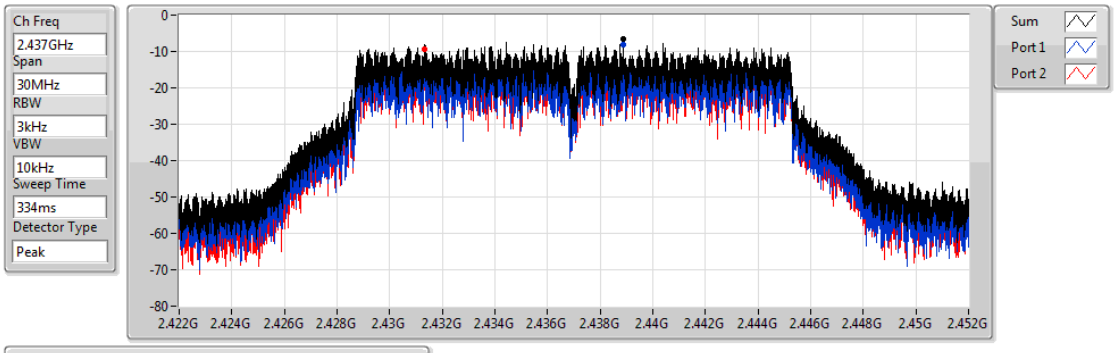
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.65	-7.65	-9.66	-9.52

802.11g_(6Mbps)_2TX **PSD**

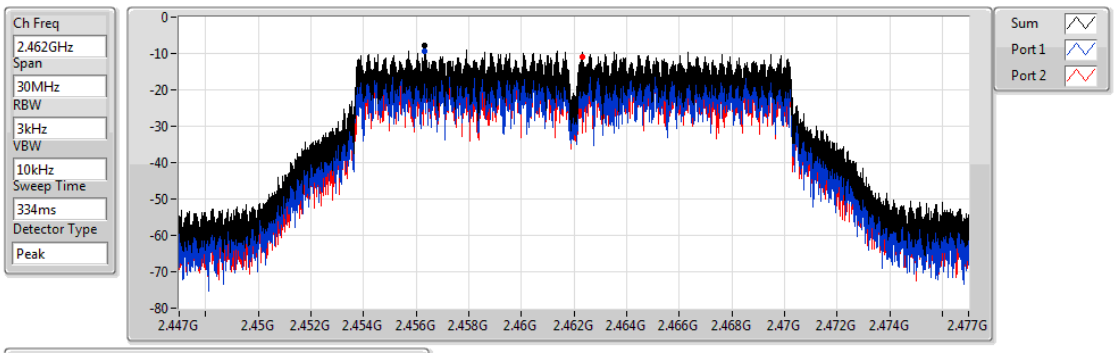
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.64	-6.64	-8.26	-9.40

802.11g_(6Mbps)_2TX **PSD**

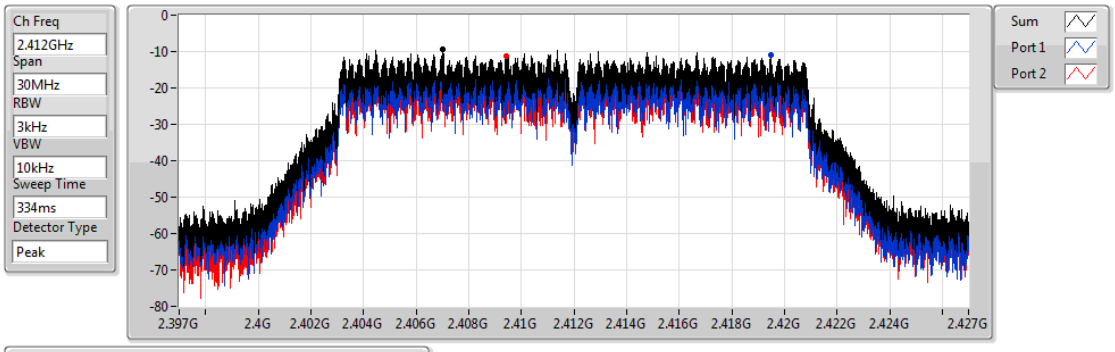
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-9.33	-10.99

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

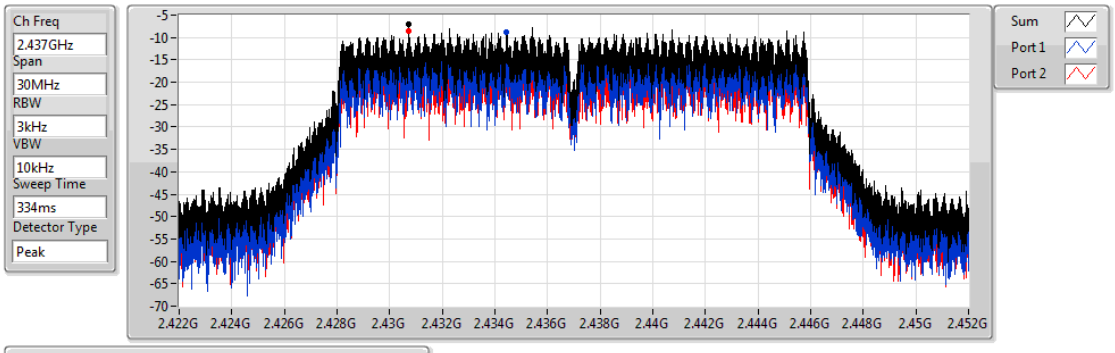
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.40	-9.40	-11.02	-11.23

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

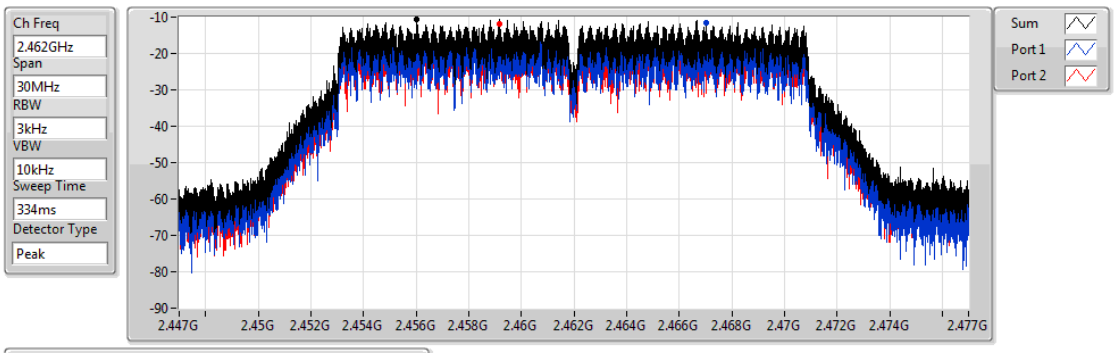
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.06	-7.06	-8.75	-8.62

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

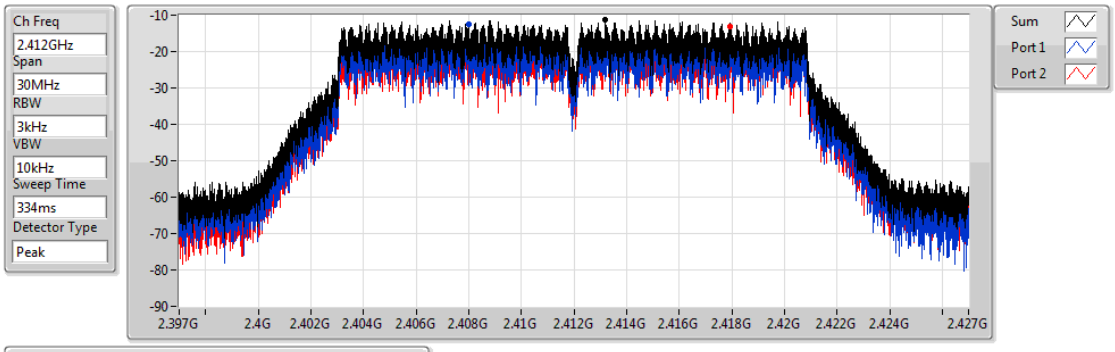
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.73	-10.73	-11.71	-11.81

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

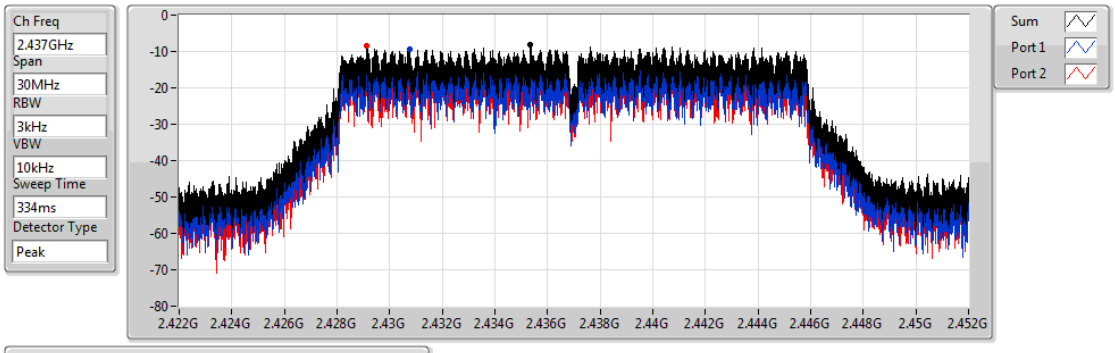
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.36	-11.36	-12.64	-13.17

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

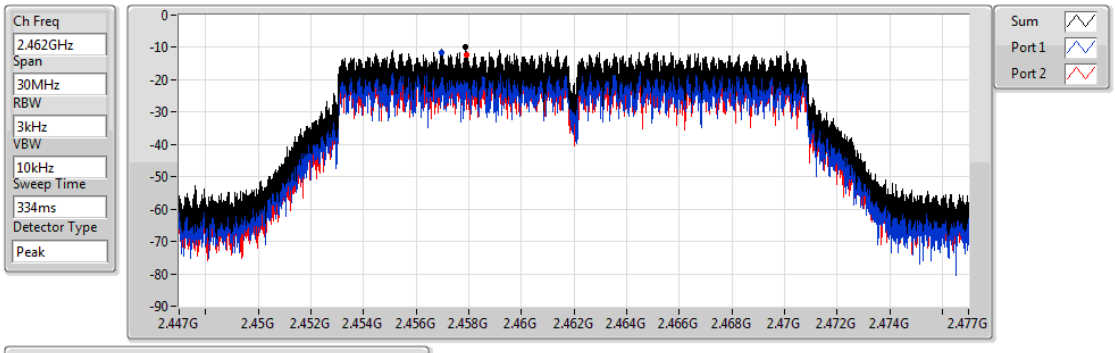
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.01	-8.01	-9.35	-8.55

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.84	-9.84	-11.53	-12.29

Summary

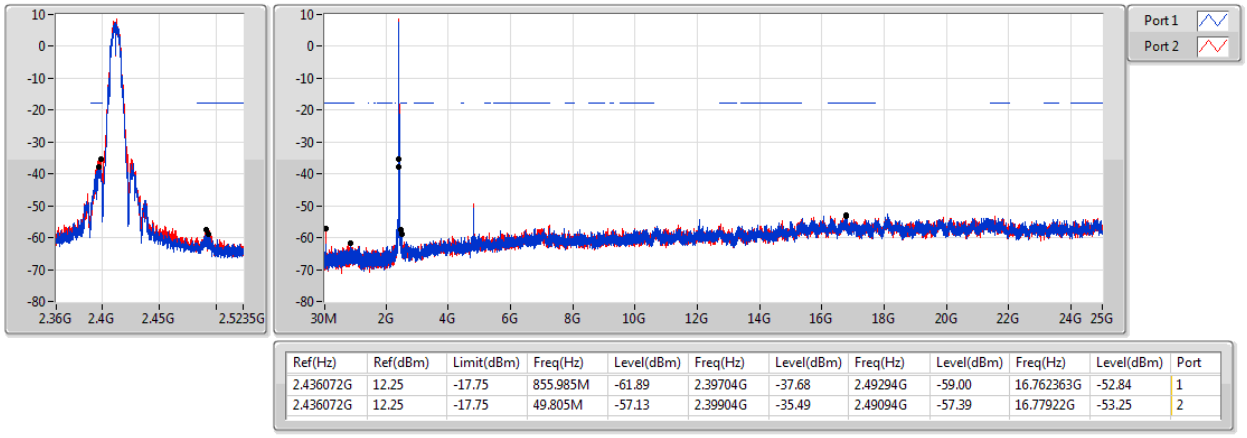
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11g_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.440748G	4.35	-25.65	49.805M	-59.29	2.39992G	-29.47	2.48486G	-56.53	21.46557G	-53.02	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.436072G	12.25	-17.75	855.985M	-61.89	2.39704G	-37.68	2.49294G	-59.00	16.762363G	-52.84	1
2412MHz	Pass	2.436072G	12.25	-17.75	49.805M	-57.13	2.39904G	-35.49	2.49094G	-57.39	16.77922G	-53.25	2
2437MHz	Pass	2.436072G	12.25	-17.75	49.805M	-59.64	2.39952G	-46.63	2.51598G	-55.39	16.683695G	-53.04	1
2437MHz	Pass	2.436072G	12.25	-17.75	49.805M	-59.26	2.39952G	-41.81	2.48542G	-52.10	24.800521G	-53.32	2
2462MHz	Pass	2.436072G	12.25	-17.75	2.19923G	-62.19	2.39872G	-58.69	2.48646G	-48.03	16.630313G	-53.86	1
2462MHz	Pass	2.436072G	12.25	-17.75	49.805M	-52.24	2.3944G	-58.26	2.48694G	-49.97	16.756744G	-53.27	2
802.11g_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.440748G	4.35	-25.65	49.805M	-59.29	2.39992G	-29.47	2.48486G	-56.53	21.46557G	-53.02	1
2412MHz	Pass	2.440748G	4.35	-25.65	49.805M	-60.93	2.39992G	-35.67	2.4851G	-58.06	16.326881G	-53.32	2
2437MHz	Pass	2.440748G	4.35	-25.65	49.805M	-42.46	2.39504G	-49.02	2.48382G	-55.30	16.599408G	-52.05	1
2437MHz	Pass	2.440748G	4.35	-25.65	953.845M	-61.98	2.39608G	-41.97	2.48598G	-49.80	21.769003G	-52.65	2
2462MHz	Pass	2.440748G	4.35	-25.65	49.805M	-56.38	2.39808G	-57.65	2.48382G	-43.36	16.737077G	-52.98	1
2462MHz	Pass	2.440748G	4.35	-25.65	49.805M	-58.32	2.39792G	-52.37	2.48446G	-37.54	16.720219G	-53.56	2
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.435738G	4.76	-25.24	2.309905G	-62.19	2.39896G	-32.94	2.49446G	-60.04	16.807316G	-52.91	1
2412MHz	Pass	2.435738G	4.76	-25.24	899.09M	-62.48	2.3996G	-35.39	2.48478G	-58.22	16.829792G	-54.14	2
2437MHz	Pass	2.435738G	4.76	-25.24	852.49M	-61.94	2.39544G	-45.10	2.48446G	-51.82	17.695138G	-53.71	1
2437MHz	Pass	2.435738G	4.76	-25.24	49.805M	-46.99	2.39952G	-35.78	2.4867G	-43.37	16.748315G	-53.57	2
2462MHz	Pass	2.435738G	4.76	-25.24	293.29M	-62.58	2.39568G	-57.70	2.48374G	-41.98	17.054557G	-53.51	1
2462MHz	Pass	2.435738G	4.76	-25.24	2.076905G	-62.23	2.3932G	-51.97	2.48374G	-37.06	24.814569G	-52.20	2
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.433233G	4.72	-25.28	671.915M	-62.74	2.39768G	-40.32	2.49822G	-60.19	16.753934G	-53.47	1
2412MHz	Pass	2.433233G	4.72	-25.28	655.605M	-62.19	2.39448G	-38.29	2.48654G	-58.89	24.747139G	-52.99	2
2437MHz	Pass	2.433233G	4.72	-25.28	49.805M	-60.28	2.3988G	-48.23	2.48446G	-54.43	16.742696G	-52.66	1
2437MHz	Pass	2.433233G	4.72	-25.28	49.805M	-60.41	2.3976G	-37.58	2.48446G	-44.63	16.739886G	-53.49	2
2462MHz	Pass	2.433233G	4.72	-25.28	2.307575G	-63.09	2.396G	-57.48	2.48654G	-44.83	16.703362G	-53.15	1
2462MHz	Pass	2.433233G	4.72	-25.28	823.365M	-61.76	2.3932G	-52.72	2.48766G	-36.37	17.029271G	-53.41	2

802.11b_(1Mbps)_2TX **CSE NdB**

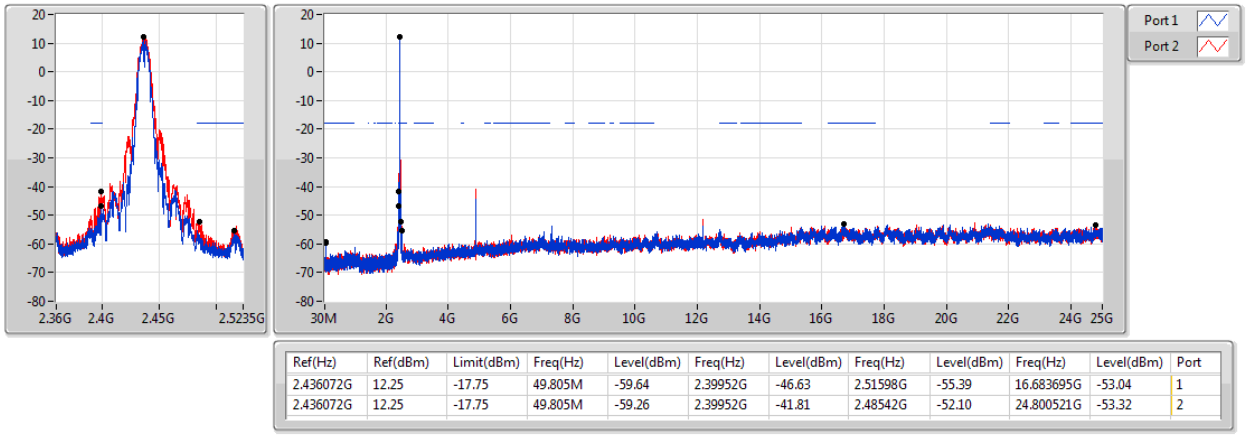
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	12.25	-17.75	855.985M	-61.89	2.39704G	-37.68	2.49294G	-59.00	16.762363G	-52.84	1
2.436072G	12.25	-17.75	49.805M	-57.13	2.39904G	-35.49	2.49094G	-57.39	16.77922G	-53.25	2

802.11b_(1Mbps)_2TX **CSE NdB**

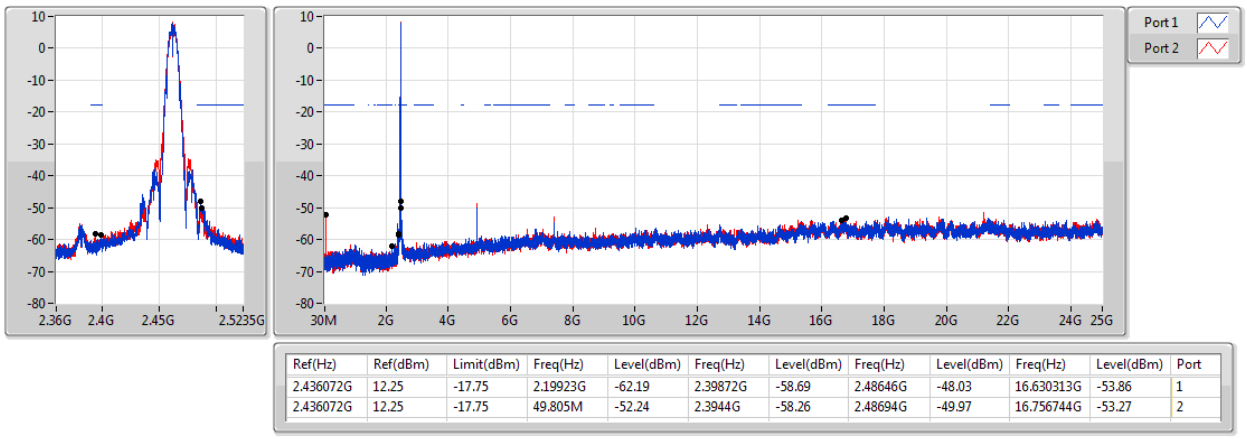
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	12.25	-17.75	49.805M	-59.64	2.39952G	-46.63	2.51598G	-55.39	16.683695G	-53.04	1
2.436072G	12.25	-17.75	49.805M	-59.26	2.39952G	-41.81	2.48542G	-52.10	24.800521G	-53.32	2

802.11b_(1Mbps)_2TX **CSE NdB**

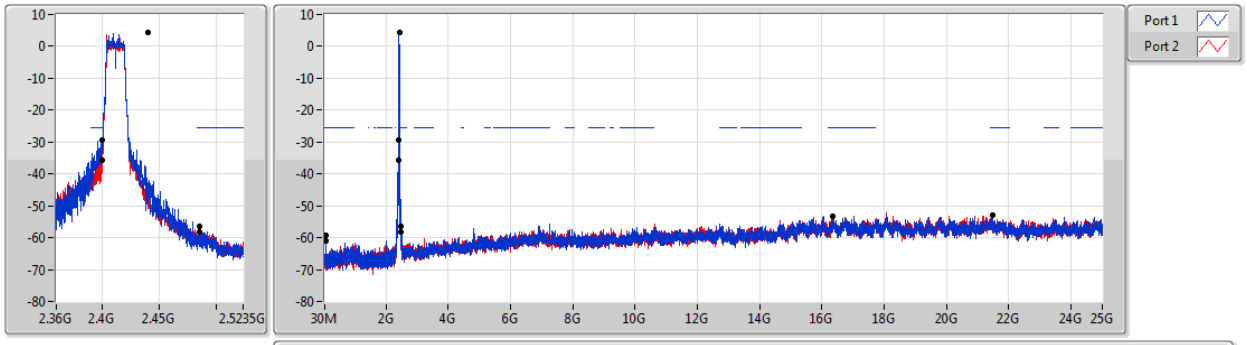
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	12.25	-17.75	2.19923G	-62.19	2.39872G	-58.69	2.48646G	-48.03	16.630313G	-53.86	1
2.436072G	12.25	-17.75	49.805M	-52.24	2.3944G	-58.26	2.48694G	-49.97	16.756744G	-53.27	2

802.11g_(6Mbps)_2TX **CSE NdB**

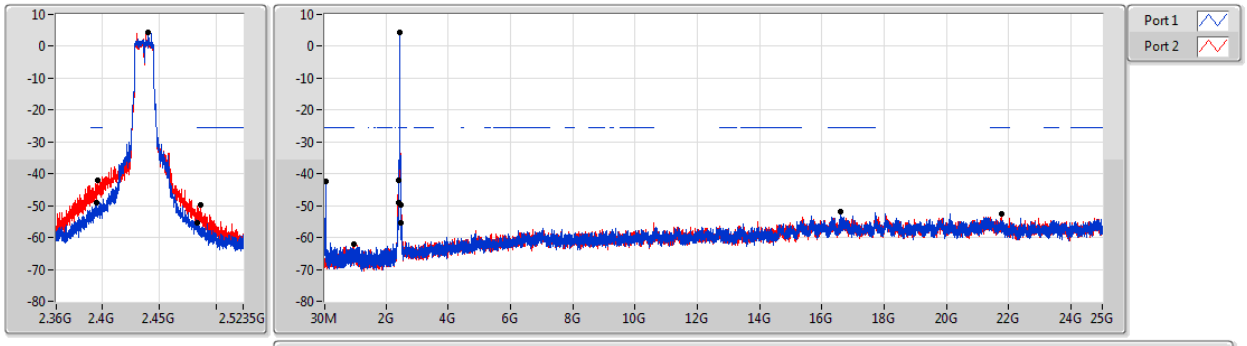
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	4.35	-25.65	49.805M	-59.29	2.39992G	-29.47	2.48486G	-56.53	21.46557G	-53.02	1
2.440748G	4.35	-25.65	49.805M	-60.93	2.39992G	-35.67	2.4851G	-58.06	16.326881G	-53.32	2

802.11g_(6Mbps)_2TX **CSE NdB**

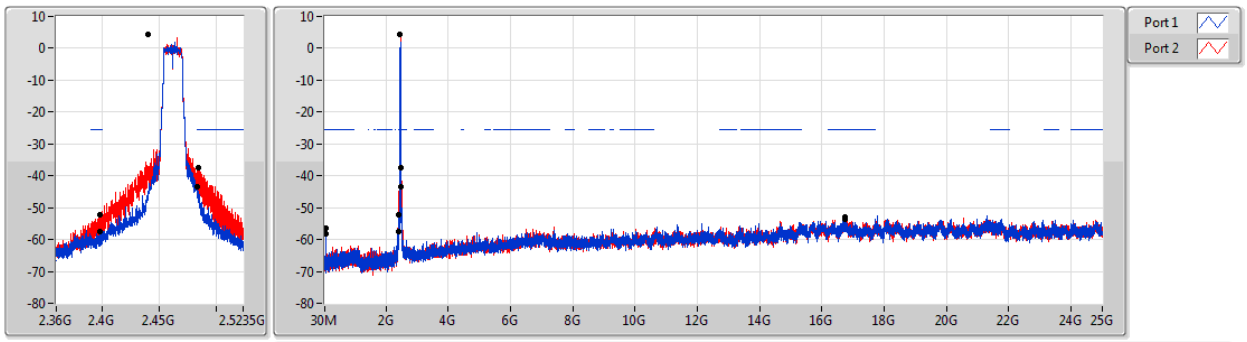
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	4.35	-25.65	49.805M	-42.46	2.39504G	-49.02	2.48382G	-55.30	16.599408G	-52.05	1
2.440748G	4.35	-25.65	953.845M	-61.98	2.39608G	-41.97	2.48598G	-49.80	21.769003G	-52.65	2

802.11g_(6Mbps)_2TX **CSE NdB**

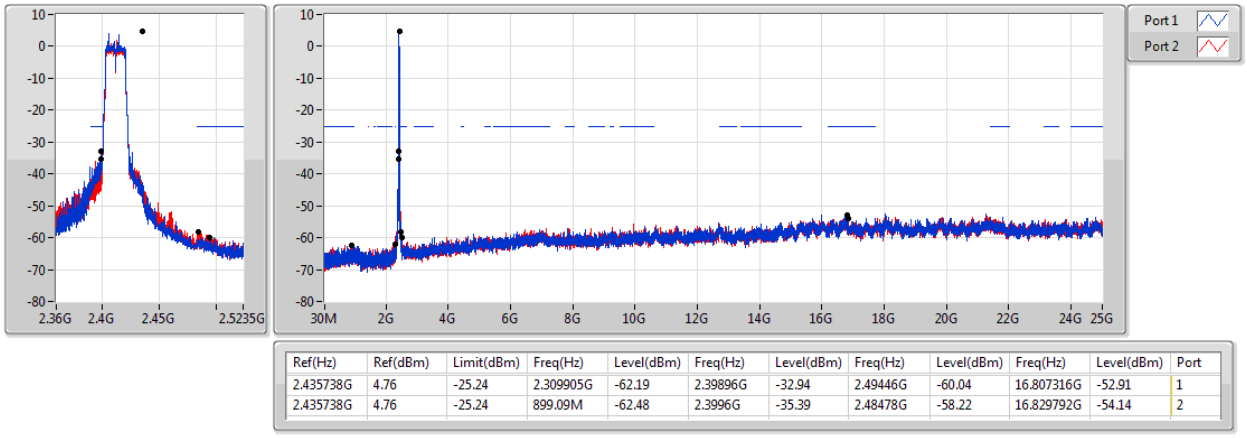
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	4.35	-25.65	49.805M	-56.38	2.39808G	-57.65	2.48382G	-43.36	16.737077G	-52.98	1
2.440748G	4.35	-25.65	49.805M	-58.32	2.39792G	-52.37	2.48446G	-37.54	16.720219G	-53.56	2

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE NdB**

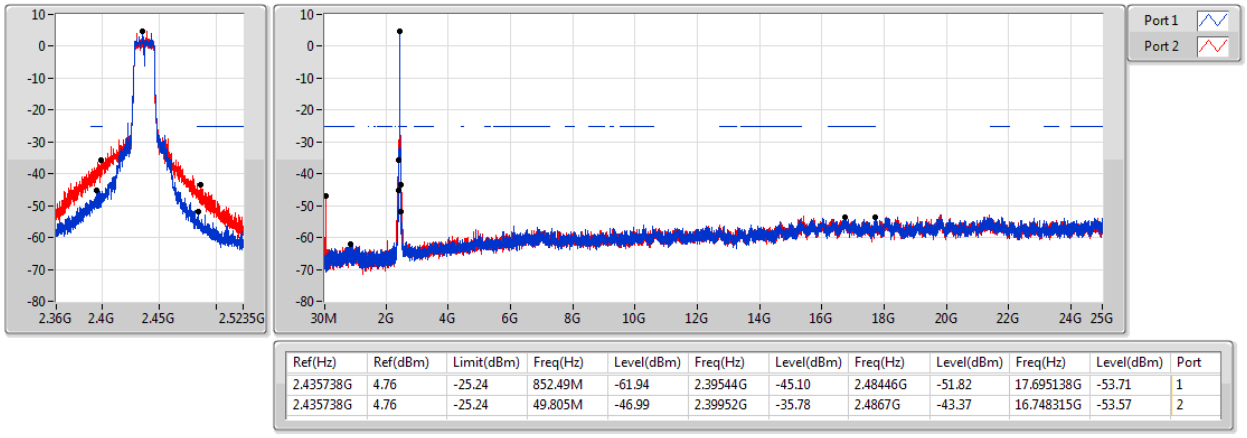
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	4.76	-25.24	2.309905G	-62.19	2.39896G	-32.94	2.49446G	-60.04	16.807316G	-52.91	1
2.435738G	4.76	-25.24	899.09M	-62.48	2.3996G	-35.39	2.48478G	-58.22	16.829792G	-54.14	2

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE NdB**

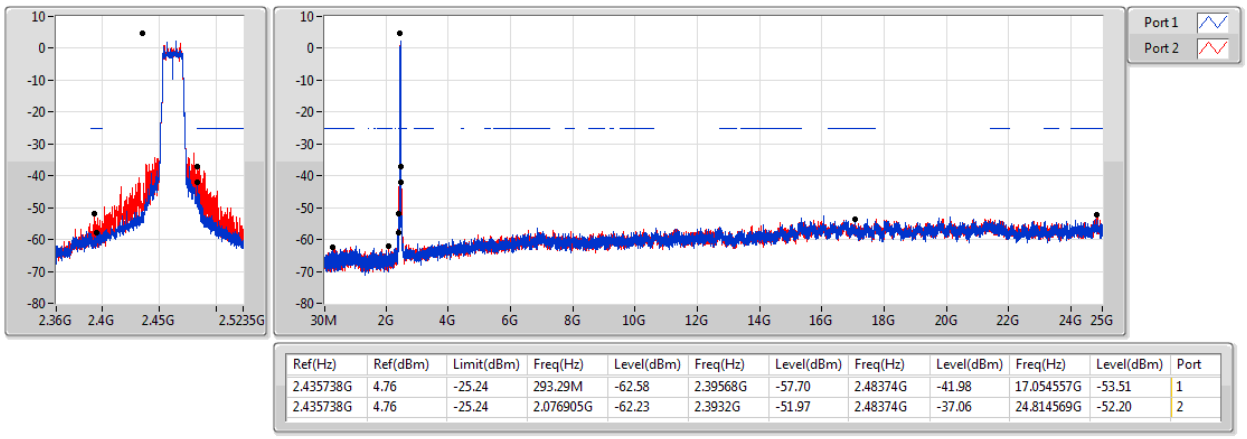
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	4.76	-25.24	852.49M	-61.94	2.39544G	-45.10	2.48446G	-51.82	17.695138G	-53.71	1
2.435738G	4.76	-25.24	49.805M	-46.99	2.39952G	-35.78	2.4867G	-43.37	16.748315G	-53.57	2

802.11ac VHT20_Nss1,(MCS0)_2TX **CSE NdB**

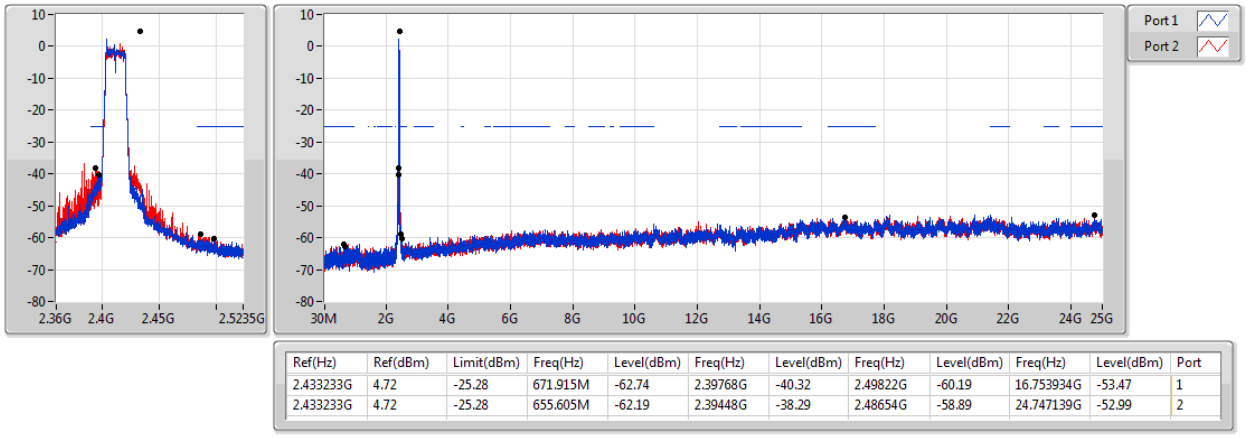
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	4.76	-25.24	293.29M	-62.58	2.39568G	-57.70	2.48374G	-41.98	17.054557G	-53.51	1
2.435738G	4.76	-25.24	2.076905G	-62.23	2.3932G	-51.97	2.48374G	-37.06	24.814569G	-52.20	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

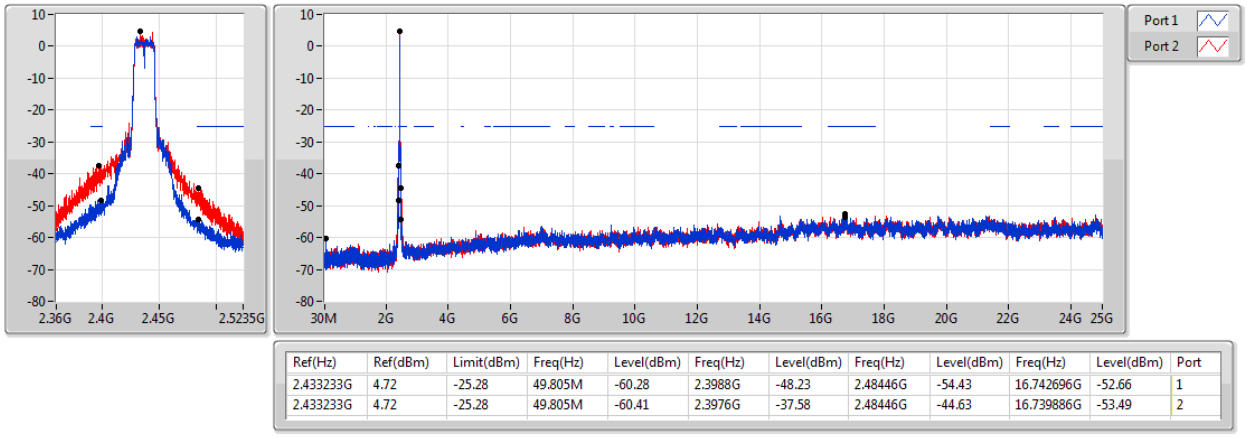
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	4.72	-25.28	671.915M	-62.74	2.39768G	-40.32	2.49822G	-60.19	16.753934G	-53.47	1
2.433233G	4.72	-25.28	655.605M	-62.19	2.39448G	-38.29	2.48654G	-58.89	24.747139G	-52.99	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

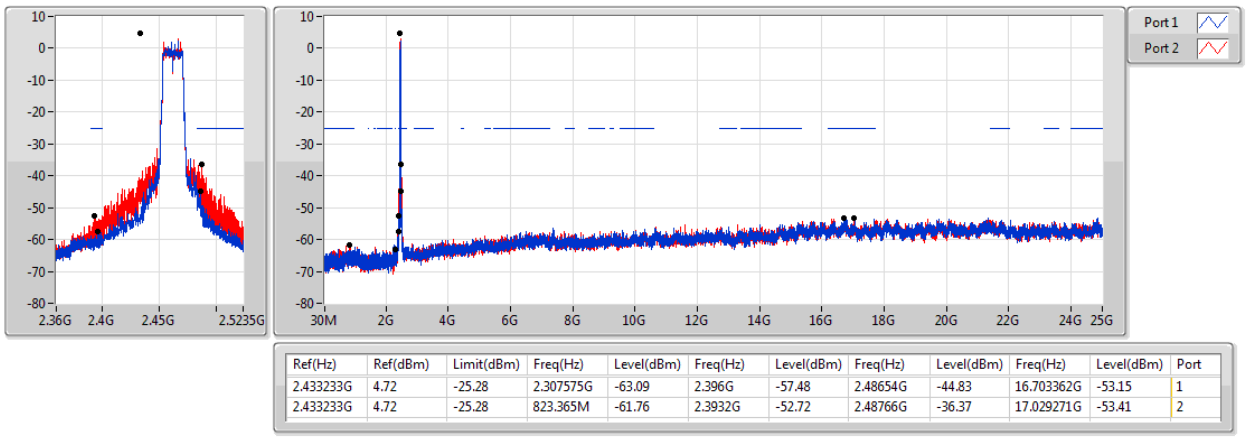
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	4.72	-25.28	49.805M	-60.28	2.3988G	-48.23	2.48446G	-54.43	16.742696G	-52.66	1
2.433233G	4.72	-25.28	49.805M	-60.41	2.3976G	-37.58	2.48446G	-44.63	16.739886G	-53.49	2

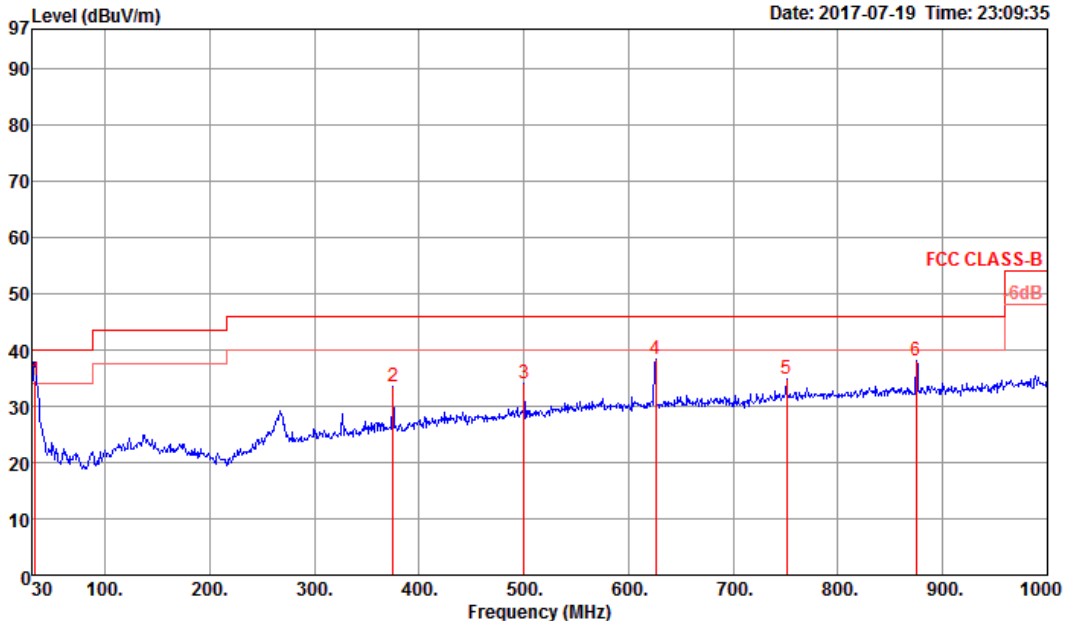
802.11ac VHT20-BF_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	4.72	-25.28	2.307575G	-63.09	2.396G	-57.48	2.48654G	-44.83	16.703362G	-53.15	1
2.433233G	4.72	-25.28	823.365M	-61.76	2.3932G	-52.72	2.48766G	-36.37	17.029271G	-53.41	2

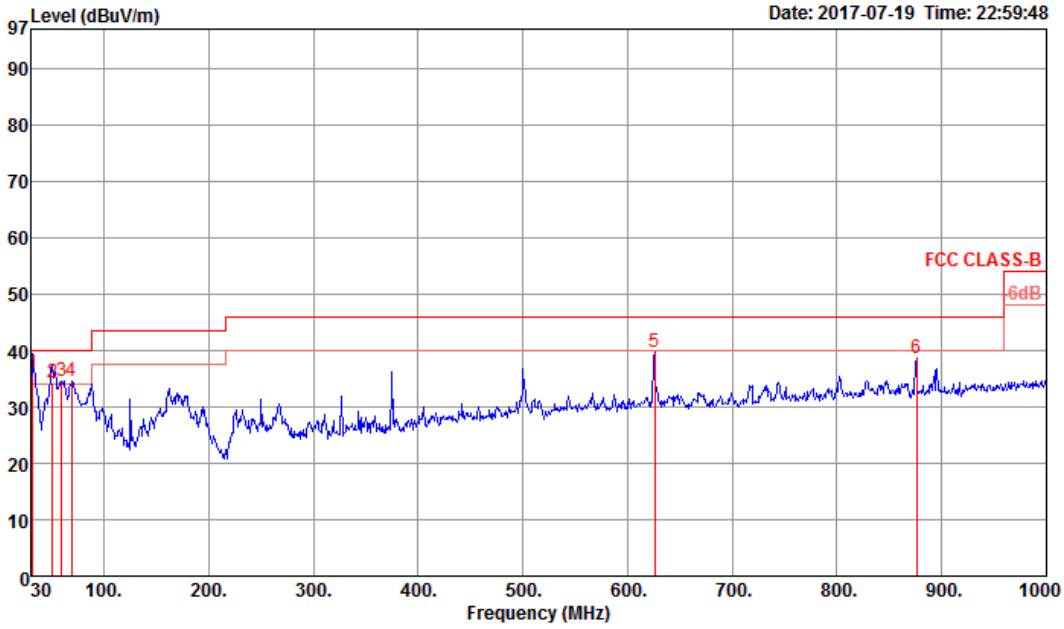
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	32.91	34.50	40.00	-5.50	37.39	2.14	23.55	28.58	150	65	QP	HORIZONTAL
2	375.32	33.38	46.00	-12.62	38.13	3.04	20.73	28.52	100	0	Peak	HORIZONTAL
3	500.45	34.02	46.00	-11.98	36.39	3.45	23.46	29.28	100	0	Peak	HORIZONTAL
4	625.58	38.44	46.00	-7.56	38.95	3.80	25.06	29.37	100	0	Peak	HORIZONTAL
5	750.71	34.91	46.00	-11.09	34.17	4.15	25.78	29.19	100	0	Peak	HORIZONTAL
6	874.87	38.13	46.00	-7.87	36.11	4.48	26.41	28.87	100	0	Peak	HORIZONTAL

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

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	35.90	40.00	-4.10	38.59	2.12	23.77	28.58	125	129	QP	VERTICAL
2	50.37	34.20	40.00	-5.80	46.55	2.16	14.06	28.57	125	322	QP	VERTICAL
3	59.10	34.61	40.00	-5.39	48.74	2.17	12.23	28.53	400	360	Peak	VERTICAL
4	68.80	34.60	40.00	-5.40	48.63	2.20	12.27	28.50	400	360	Peak	VERTICAL
5	625.58	39.62	46.00	-6.38	40.13	3.80	25.06	29.37	400	360	Peak	VERTICAL
6	875.84	38.65	46.00	-7.35	36.63	4.48	26.41	28.87	400	360	Peak	VERTICAL

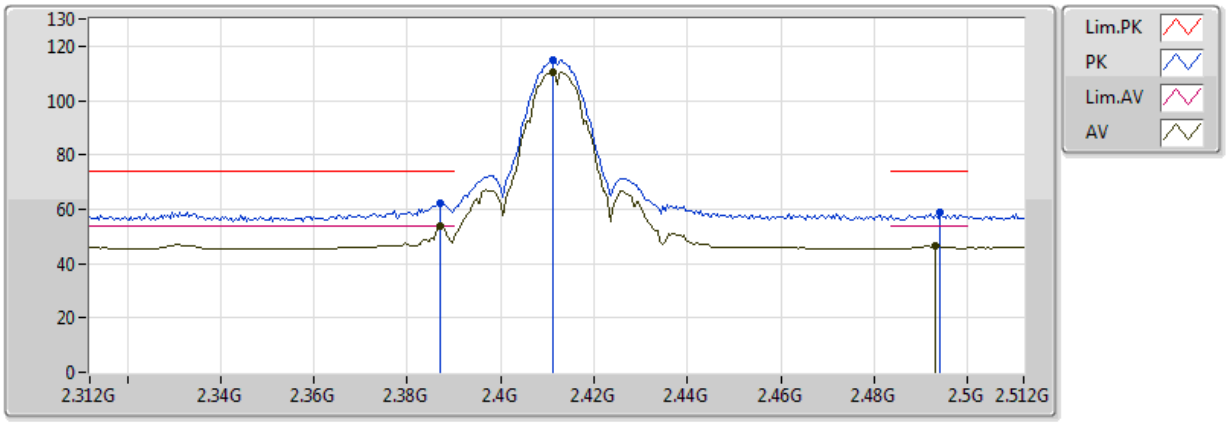
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	2.3886G	73.97	74.00	-0.03	31.04	3	V	0	1.39	-

802.11b_(1Mbps)_2TX

2412MHz_TX

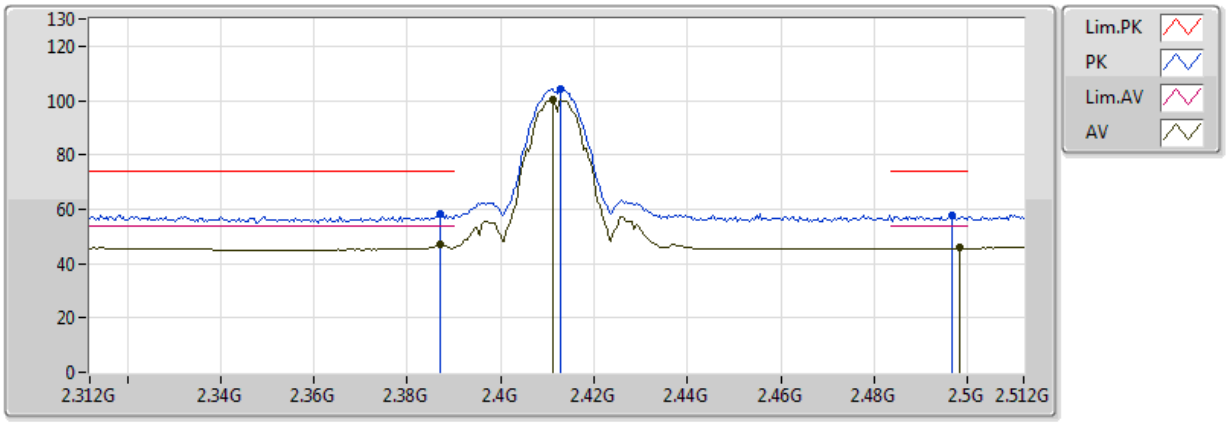


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	53.62	54.00	-0.38	33.15	3	V	356	1.07	-
AV	2.4112G	110.65	Inf	-Inf	33.15	3	V	356	1.07	-
AV	2.4932G	46.45	54.00	-7.55	33.20	3	V	356	1.07	-
PK	2.3872G	62.45	74.00	-11.55	33.15	3	V	356	1.07	-
PK	2.4112G	114.78	Inf	-Inf	33.15	3	V	356	1.07	-
PK	2.494G	58.58	74.00	-15.42	33.20	3	V	356	1.07	-

802.11b_(1Mbps)_2TX

2412MHz_TX

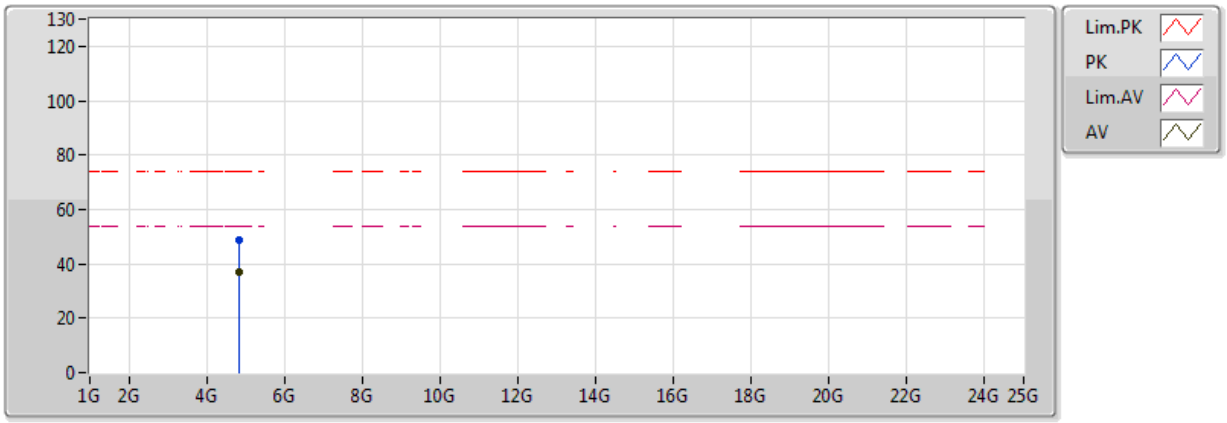


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	47.00	54.00	-7.00	33.15	3	H	326	1.01	-
AV	2.4112G	100.51	Inf	-Inf	33.15	3	H	326	1.01	-
AV	2.4984G	45.67	54.00	-8.33	33.20	3	H	326	1.01	-
PK	2.3872G	58.23	74.00	-15.77	33.15	3	H	326	1.01	-
PK	2.4128G	104.38	Inf	-Inf	33.15	3	H	326	1.01	-
PK	2.4968G	57.85	74.00	-16.15	33.20	3	H	326	1.01	-

802.11b_(1Mbps)_2TX

2412MHz_TX

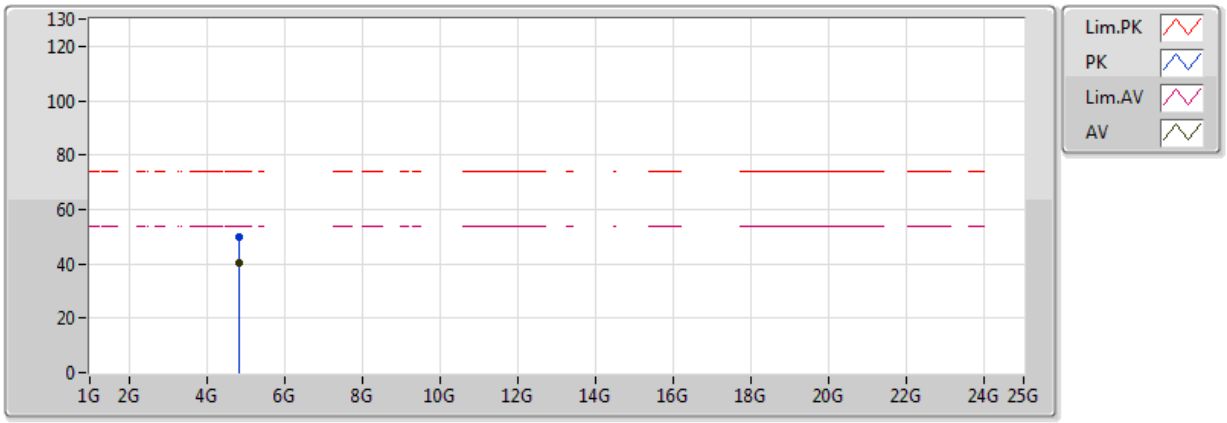


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82168G	36.84	54.00	-17.16	4.18	3	V	357	1.71	-
PK	4.82152G	48.61	74.00	-25.39	4.18	3	V	357	1.71	-

802.11b_(1Mbps)_2TX

2412MHz_TX

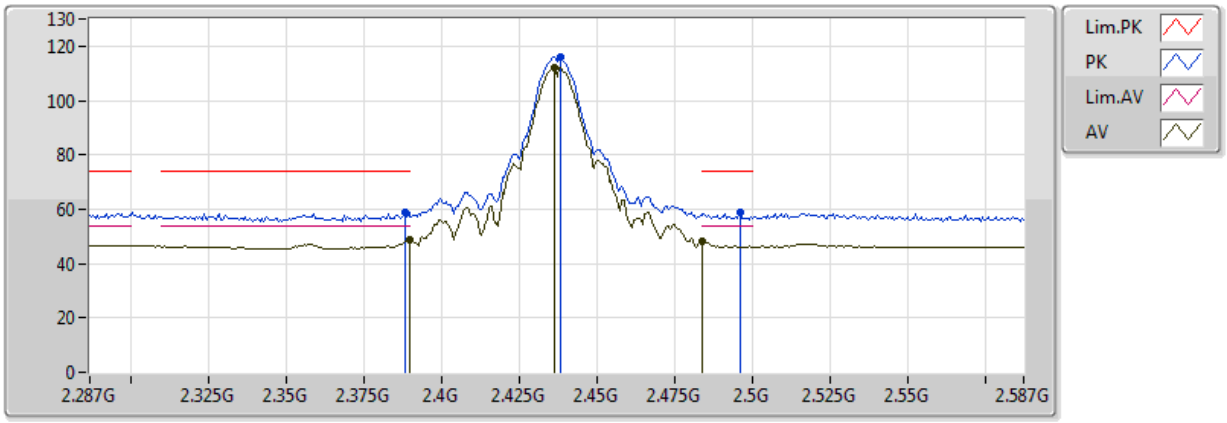


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82168G	40.57	54.00	-13.43	4.18	3	H	338	2.35	-
PK	4.82616G	49.78	74.00	-24.22	4.19	3	H	338	2.35	-

802.11b_(1Mbps)_2TX

2437MHz_TX

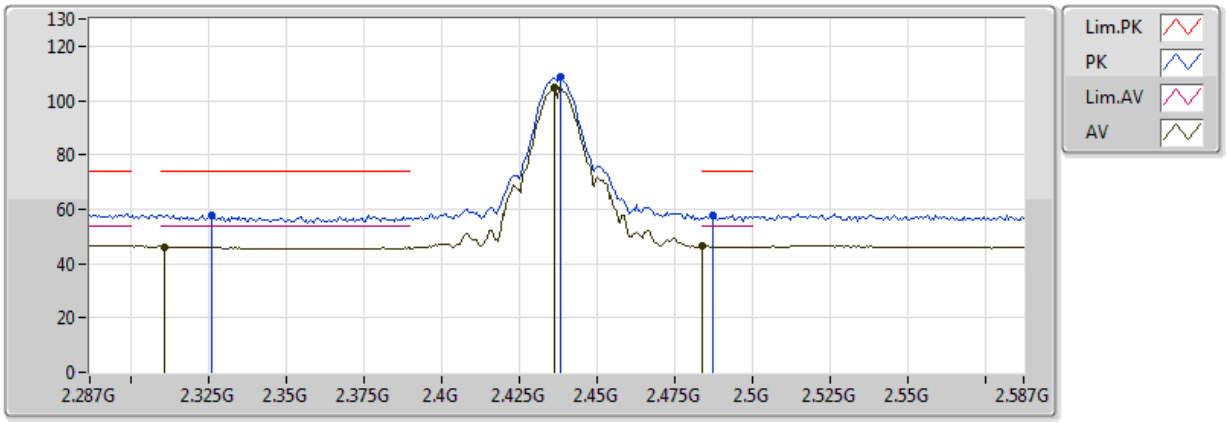


20170615
EUT Y_2TX
Setting 76
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	48.63	54.00	-5.37	33.15	3	V	31	1.08	-
AV	2.4364G	112.32	Inf	-Inf	33.16	3	V	31	1.08	-
AV	2.483502G	48.33	54.00	-5.67	33.19	3	V	31	1.08	-
PK	2.3884G	58.90	74.00	-15.10	33.15	3	V	31	1.08	-
PK	2.4382G	115.94	Inf	-Inf	33.16	3	V	31	1.08	-
PK	2.4958G	58.82	74.00	-15.18	33.20	3	V	31	1.08	-

802.11b_(1Mbps)_2TX

2437MHz_TX

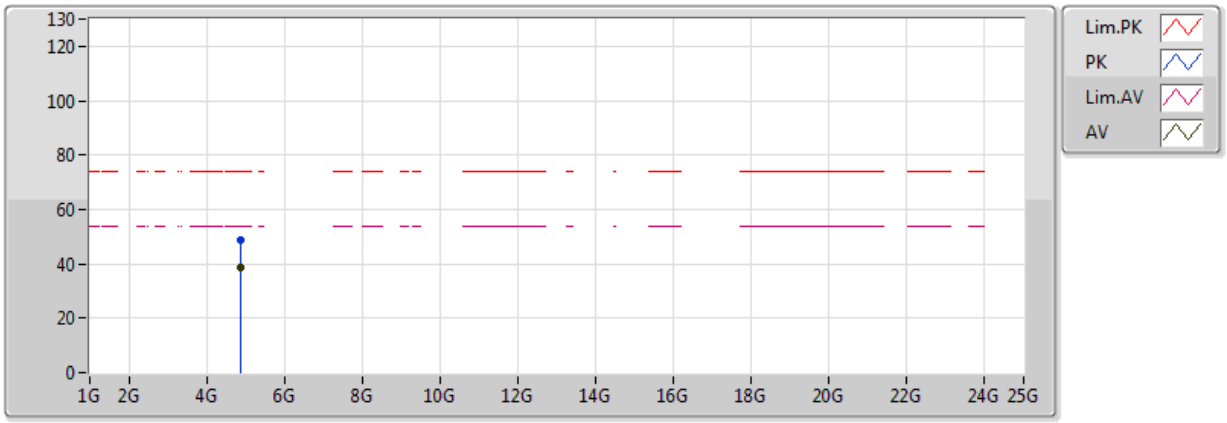


20170615
EUT Y_2TX
Setting 76
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.311G	46.18	54.00	-7.82	33.18	3	H	337	1.75	-
AV	2.4364G	104.76	Inf	-Inf	33.16	3	H	337	1.75	-
AV	2.483502G	46.48	54.00	-7.52	33.19	3	H	337	1.75	-
PK	2.326G	57.97	74.00	-16.03	33.18	3	H	337	1.75	-
PK	2.4382G	108.48	Inf	-Inf	33.16	3	H	337	1.75	-
PK	2.4874G	57.69	74.00	-16.31	33.19	3	H	337	1.75	-

802.11b_(1Mbps)_2TX

2437MHz_TX

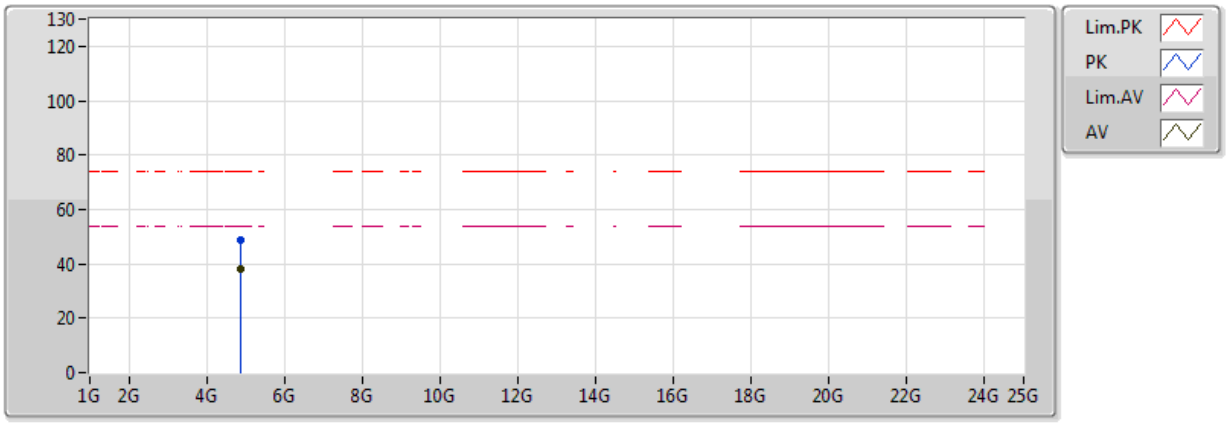


20170615
EUT Y_2TX
Setting 76
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	38.59	54.00	-15.41	4.34	3	V	356	2.43	-
PK	4.87392G	48.77	74.00	-25.23	4.34	3	V	356	2.43	-

802.11b_(1Mbps)_2TX

2437MHz_TX

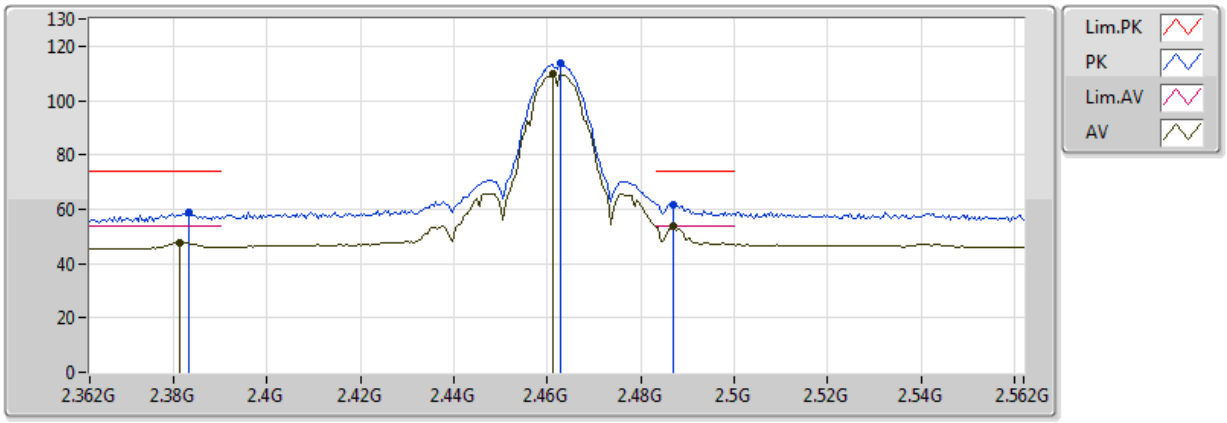


20170615
EUT Y_2TX
Setting 76
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87164G	38.02	54.00	-15.98	4.33	3	H	327	2.53	-
PK	4.87148G	48.70	74.00	-25.30	4.33	3	H	327	2.53	-

802.11b_(1Mbps)_2TX

2462MHz_TX

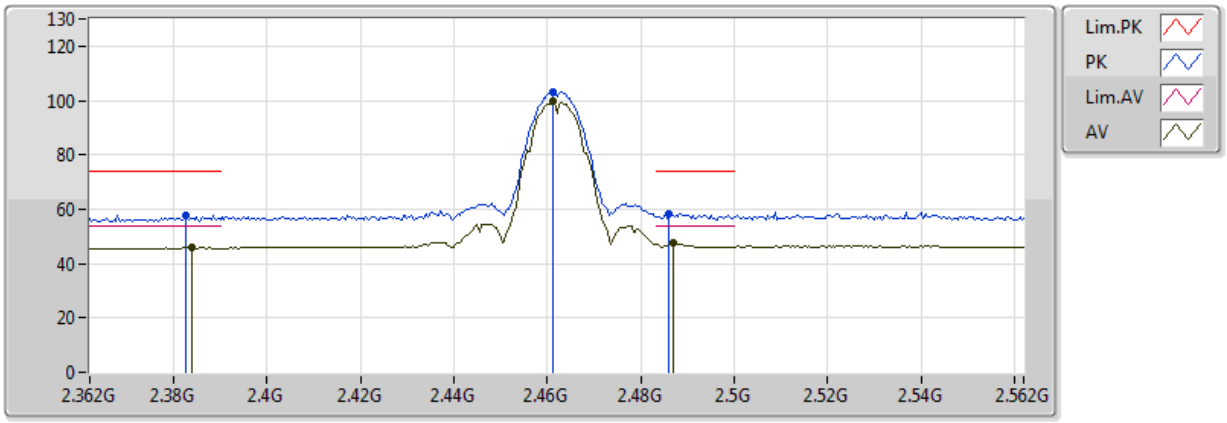


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3812G	47.84	54.00	-6.16	33.15	3	V	356	1.01	-
AV	2.4612G	109.75	Inf	-Inf	33.18	3	V	356	1.01	-
AV	2.4868G	53.53	54.00	-0.47	33.19	3	V	356	1.01	-
PK	2.3832G	58.63	74.00	-15.37	33.15	3	V	356	1.01	-
PK	2.4628G	113.47	Inf	-Inf	33.18	3	V	356	1.01	-
PK	2.4868G	61.91	74.00	-12.09	33.19	3	V	356	1.01	-

802.11b_(1Mbps)_2TX

2462MHz_TX

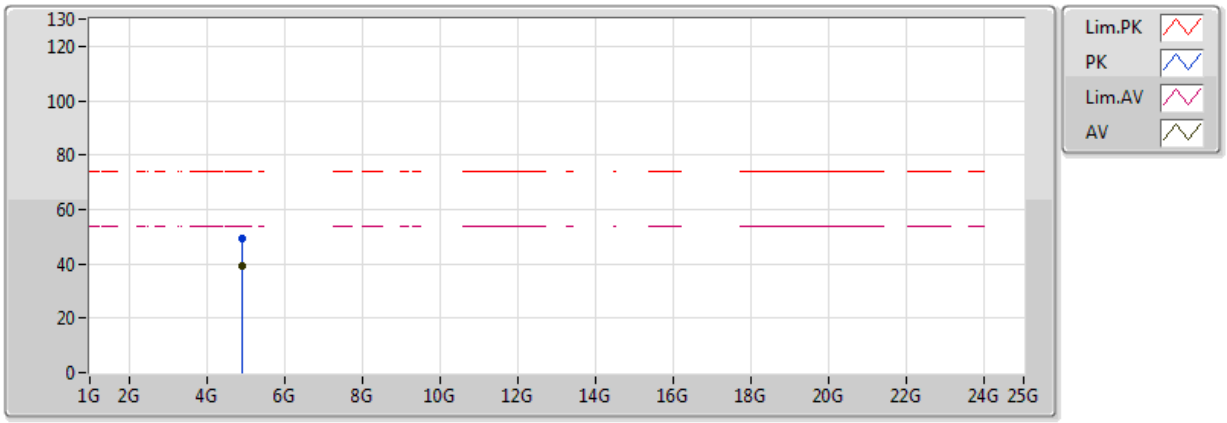


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.384G	45.78	54.00	-8.22	33.15	3	H	313	1.06	-
AV	2.4612G	99.59	Inf	-Inf	33.18	3	H	313	1.06	-
AV	2.4868G	47.35	54.00	-6.65	33.19	3	H	313	1.06	-
PK	2.3824G	57.88	74.00	-16.12	33.15	3	H	313	1.06	-
PK	2.4612G	103.20	Inf	-Inf	33.18	3	H	313	1.06	-
PK	2.486G	58.36	74.00	-15.64	33.19	3	H	313	1.06	-

802.11b_(1Mbps)_2TX

2462MHz_TX

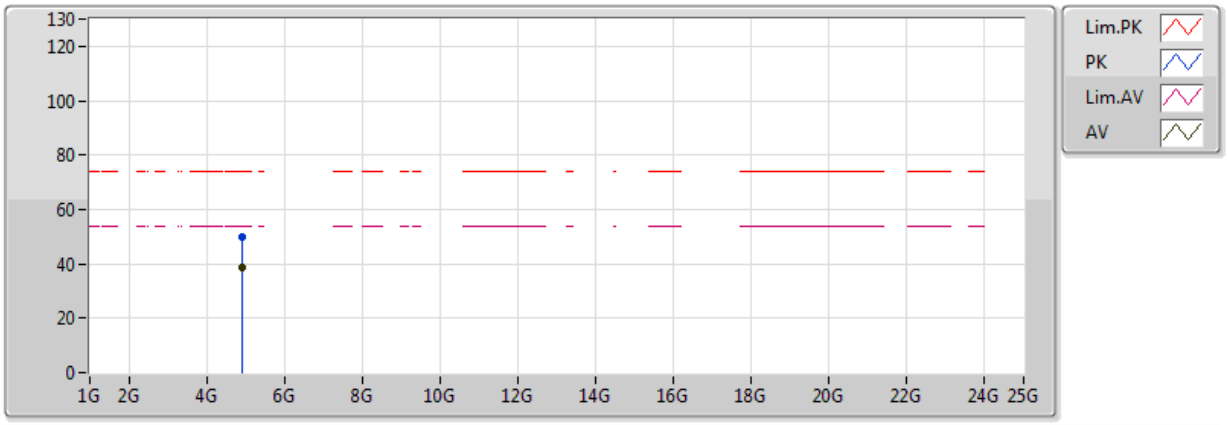


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92628G	39.41	54.00	-14.59	4.50	3	V	360	2.41	-
PK	4.9264G	49.09	74.00	-24.91	4.50	3	V	360	2.41	-

802.11b_(1Mbps)_2TX

2462MHz_TX

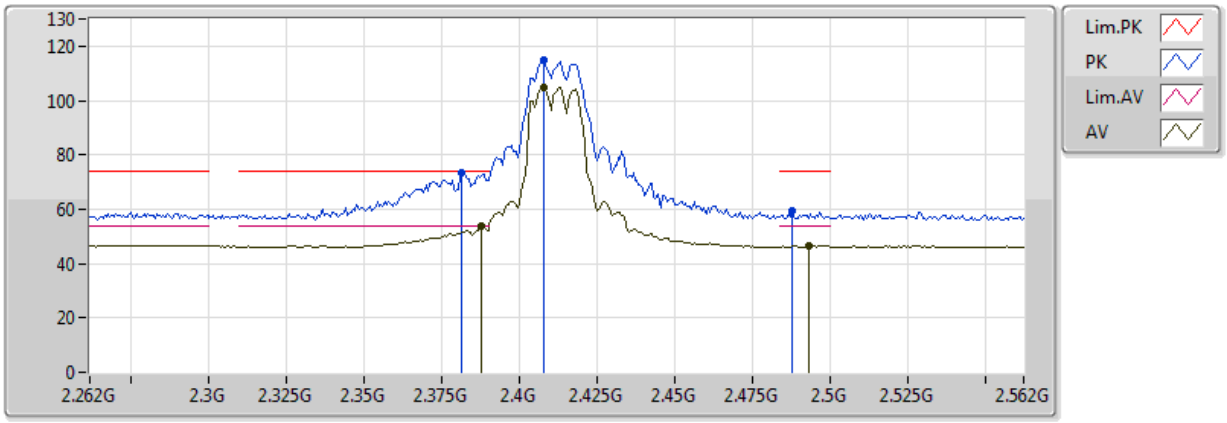


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	38.94	54.00	-15.06	4.49	3	H	334	1.96	-
PK	4.9238G	49.89	74.00	-24.11	4.49	3	H	334	1.96	-

802.11g_(6Mbps)_2TX

2412MHz_TX

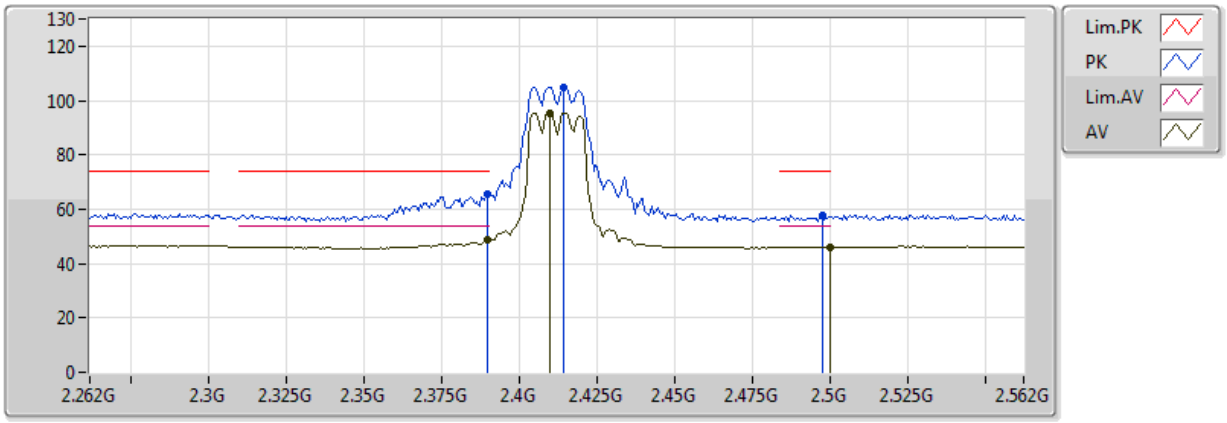


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.388G	53.87	54.00	-0.13	33.15	3	V	0	1.05	-
AV	2.4078G	104.78	Inf	-Inf	33.14	3	V	0	1.05	-
AV	2.493G	46.74	54.00	-7.26	33.20	3	V	0	1.05	-
PK	2.3814G	73.18	74.00	-0.82	33.15	3	V	0	1.05	-
PK	2.4078G	114.78	Inf	-Inf	33.14	3	V	0	1.05	-
PK	2.4876G	59.61	74.00	-14.39	33.19	3	V	0	1.05	-

802.11g_(6Mbps)_2TX

2412MHz_TX

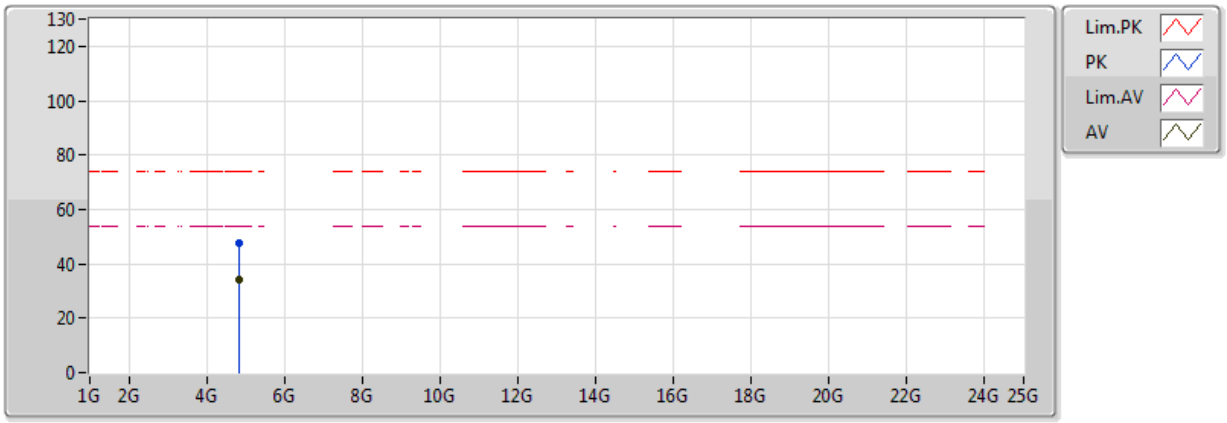


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	48.86	54.00	-5.14	33.15	3	H	36	1.01	-
AV	2.4096G	95.52	Inf	-Inf	33.15	3	H	36	1.01	-
AV	2.499998G	46.16	54.00	-7.84	33.20	3	H	36	1.01	-
PK	2.3898G	65.45	74.00	-8.55	33.15	3	H	36	1.01	-
PK	2.4144G	104.95	Inf	-Inf	33.15	3	H	36	1.01	-
PK	2.4972G	57.83	74.00	-16.17	33.20	3	H	36	1.01	-

802.11g_(6Mbps)_2TX

2412MHz_TX

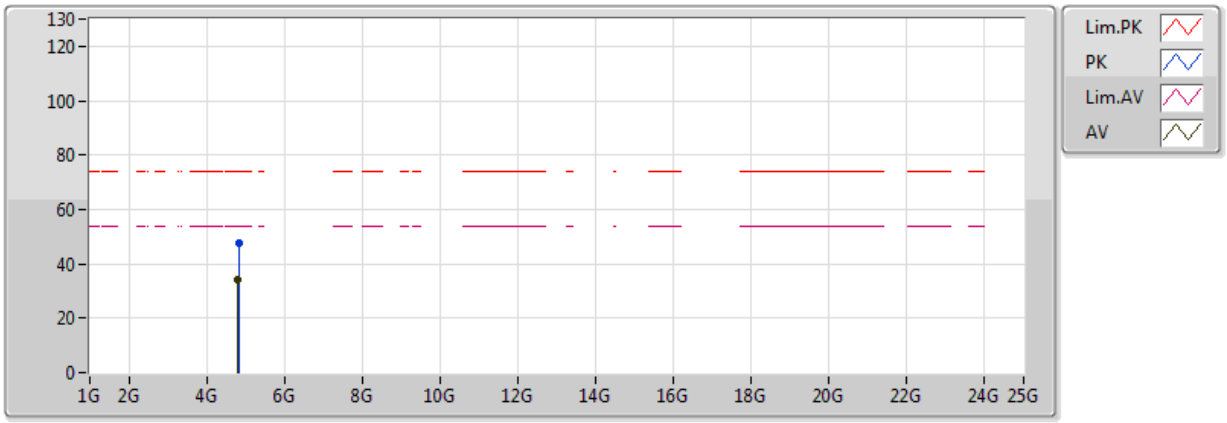


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8214G	33.92	54.00	-20.08	4.18	3	V	0	1.75	-
PK	4.82224G	47.66	74.00	-26.34	4.18	3	V	0	1.75	-

802.11g_(6Mbps)_2TX

2412MHz_TX

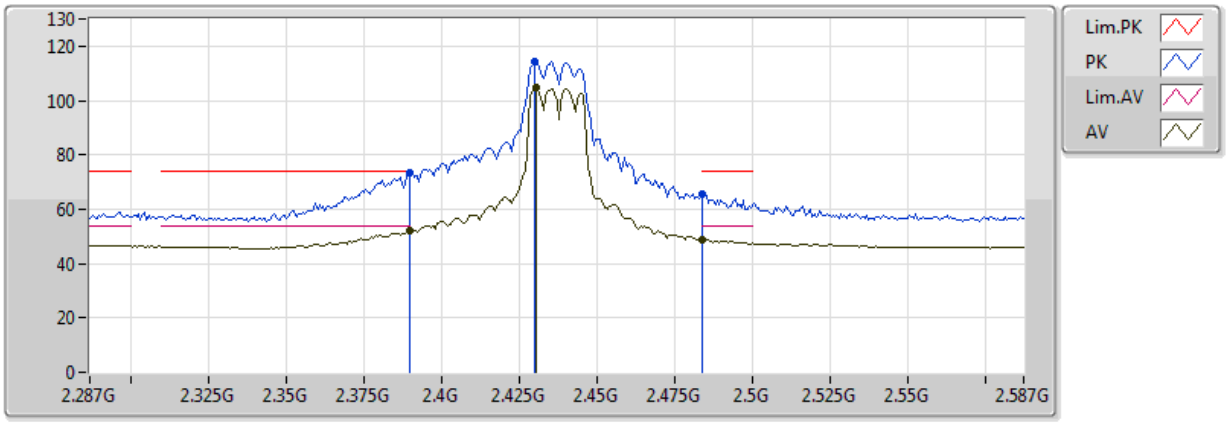


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.81636G	33.94	54.00	-20.06	4.16	3	H	270	1.47	-
PK	4.82064G	47.65	74.00	-26.35	4.17	3	H	270	1.47	-

802.11g_(6Mbps)_2TX

2437MHz_TX

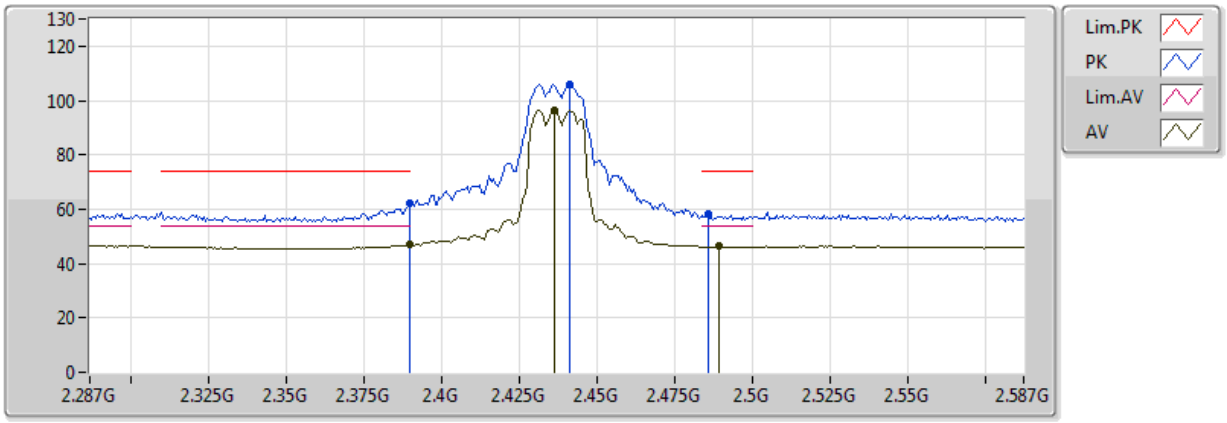


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	51.85	54.00	-2.15	33.15	3	V	0	1.04	-
AV	2.4304G	104.67	Inf	-Inf	33.16	3	V	0	1.04	-
AV	2.4838G	48.72	54.00	-5.28	33.19	3	V	0	1.04	-
PK	2.3896G	73.52	74.00	-0.48	33.15	3	V	0	1.04	-
PK	2.4298G	114.17	Inf	-Inf	33.16	3	V	0	1.04	-
PK	2.4838G	65.80	74.00	-8.20	33.19	3	V	0	1.04	-

802.11g_(6Mbps)_2TX

2437MHz_TX

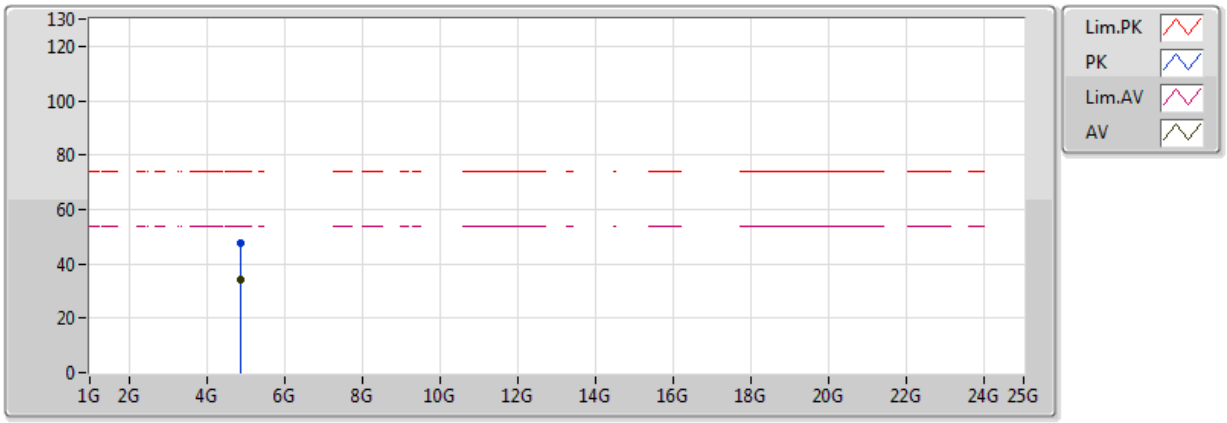


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	47.11	54.00	-6.89	33.15	3	H	326	1.38	-
AV	2.4364G	96.57	Inf	-Inf	33.16	3	H	326	1.38	-
AV	2.4892G	46.23	54.00	-7.77	33.19	3	H	326	1.38	-
PK	2.389998G	62.05	74.00	-11.95	33.15	3	H	326	1.38	-
PK	2.4412G	105.95	Inf	-Inf	33.16	3	H	326	1.38	-
PK	2.4856G	58.11	74.00	-15.89	33.19	3	H	326	1.38	-

802.11g_(6Mbps)_2TX

2437MHz_TX

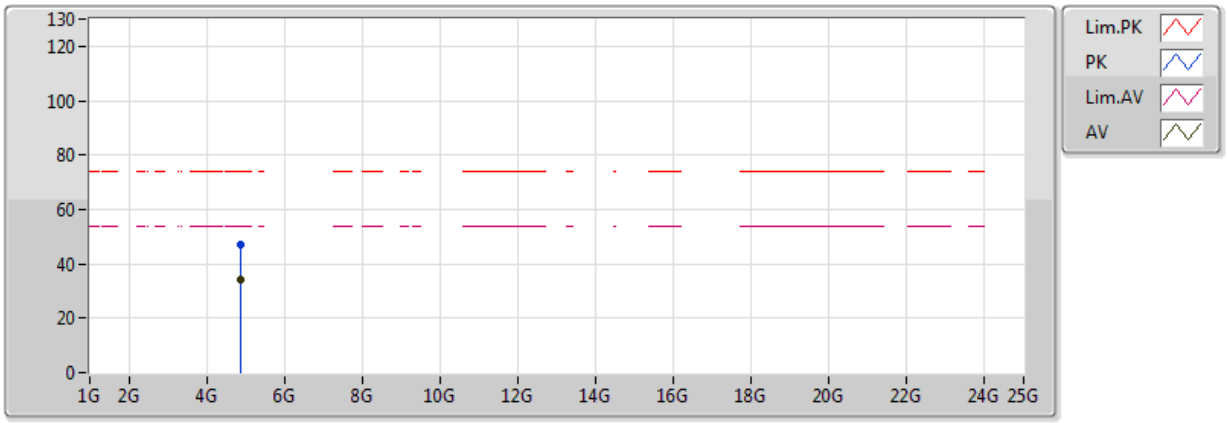


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.86744G	34.15	54.00	-19.85	4.32	3	V	161	1.01	-
PK	4.8684G	47.62	74.00	-26.38	4.32	3	V	161	1.01	-

802.11g_(6Mbps)_2TX

2437MHz_TX

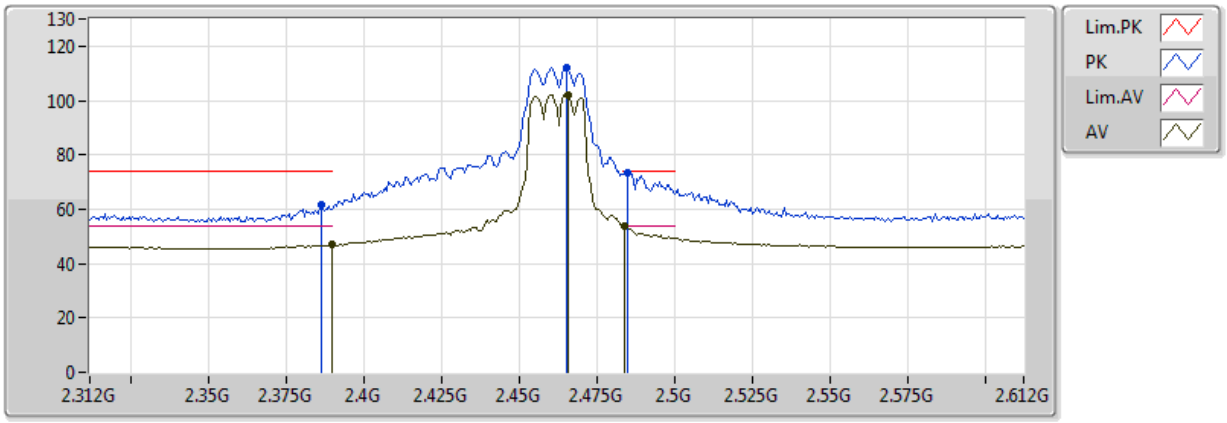


20170615
EUT Y_2TX
Setting 64
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.86872G	34.21	54.00	-19.79	4.32	3	H	326	1.33	-
PK	4.8744G	47.31	74.00	-26.69	4.34	3	H	326	1.33	-

802.11g_(6Mbps)_2TX

2462MHz_TX

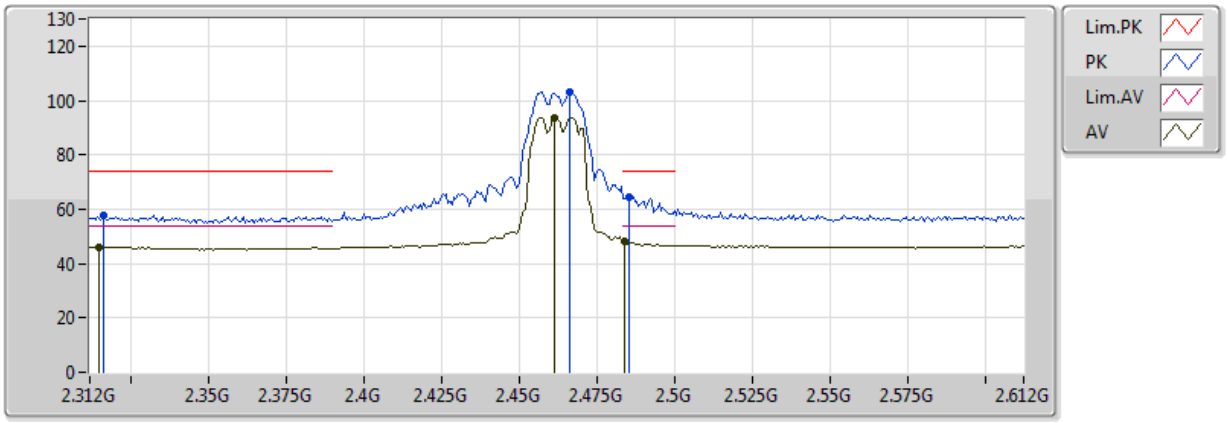


20170615
EUT Y_2TX
Setting 59
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	46.84	54.00	-7.16	33.15	3	V	359	1.01	-
AV	2.4656G	102.20	Inf	-Inf	33.18	3	V	359	1.01	-
AV	2.4836G	53.53	54.00	-0.47	33.19	3	V	359	1.01	-
PK	2.3864G	61.58	74.00	-12.42	33.15	3	V	359	1.01	-
PK	2.465G	111.97	Inf	-Inf	33.18	3	V	359	1.01	-
PK	2.4848G	73.28	74.00	-0.72	33.19	3	V	359	1.01	-

802.11g_(6Mbps)_2TX

2462MHz_TX

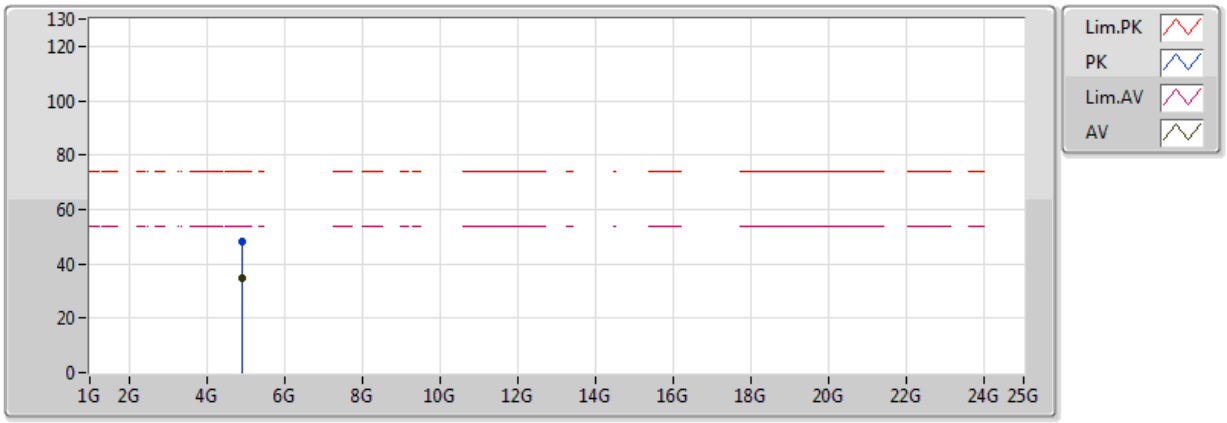


20170615
EUT Y_2TX
Setting 59
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.315G	46.02	54.00	-7.98	33.18	3	H	333	1.50	-
AV	2.4614G	93.79	Inf	-Inf	33.18	3	H	333	1.50	-
AV	2.4836G	48.01	54.00	-5.99	33.19	3	H	333	1.50	-
PK	2.3162G	57.60	74.00	-16.40	33.18	3	H	333	1.50	-
PK	2.4662G	103.26	Inf	-Inf	33.18	3	H	333	1.50	-
PK	2.4854G	64.45	74.00	-9.55	33.19	3	H	333	1.50	-

802.11g_(6Mbps)_2TX

2462MHz_TX

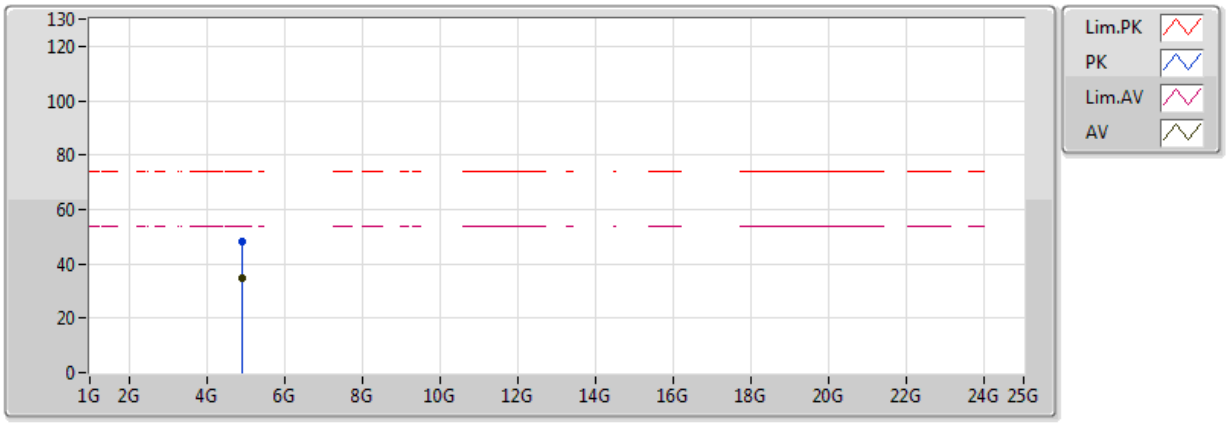


20170615
EUT Y_2TX
Setting 59
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.93G	34.72	54.00	-19.28	4.51	3	V	343	1.18	-
PK	4.92828G	48.04	74.00	-25.96	4.51	3	V	343	1.18	-

802.11g_(6Mbps)_2TX

2462MHz_TX

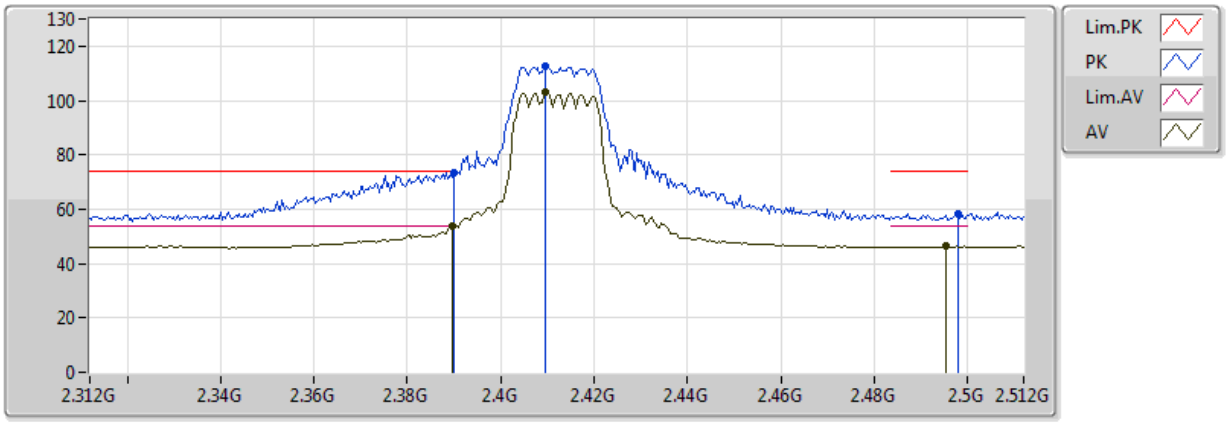


20170615
EUT Y_2TX
Setting 59
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92596G	34.54	54.00	-19.46	4.50	3	H	168	1.03	-
PK	4.92048G	47.99	74.00	-26.01	4.48	3	H	168	1.03	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

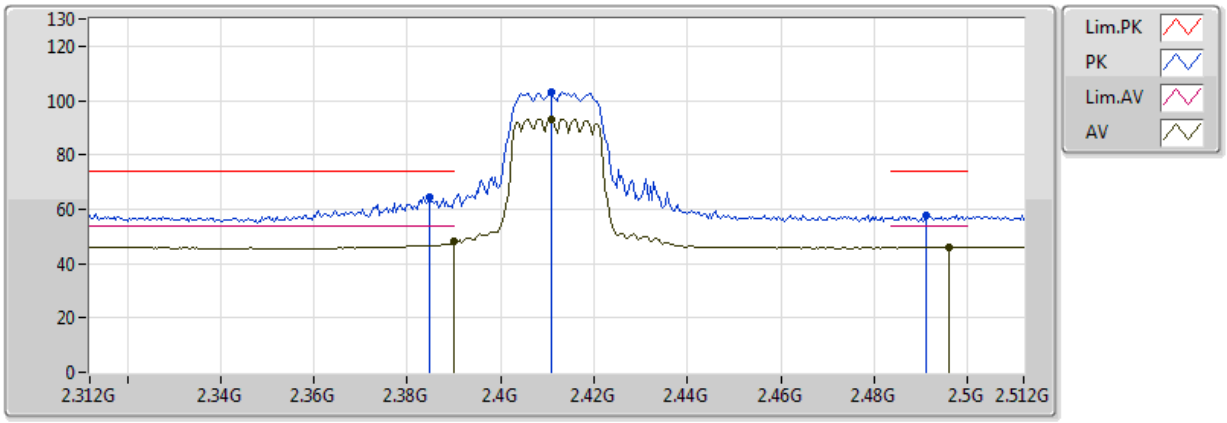


20170615
EUT Y_2TX
Setting 58
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4096G	102.88	Inf	-Inf	33.15	3	V	0	1.05	-
AV	2.4952G	46.38	54.00	-7.62	33.20	3	V	0	1.05	-
PK	2.389998G	73.35	74.00	-0.65	33.15	3	V	0	1.05	-
PK	2.4096G	112.48	Inf	-Inf	33.15	3	V	0	1.05	-
PK	2.498G	58.34	74.00	-15.66	33.20	3	V	0	1.05	-
AV	2.3896G	53.89	54.00	-0.11	33.15	3	V	0	1.05	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

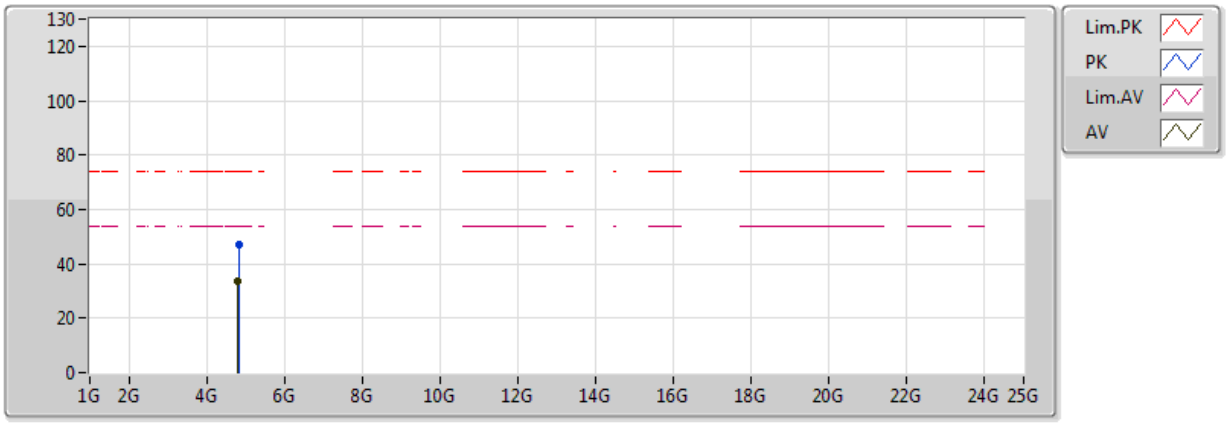


20170615
EUT Y_2TX
Setting 58
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	47.98	54.00	-6.02	33.15	3	H	23	1.09	-
AV	2.4108G	93.28	Inf	-Inf	33.15	3	H	23	1.09	-
AV	2.496G	46.09	54.00	-7.91	33.20	3	H	23	1.09	-
PK	2.3848G	64.44	74.00	-9.56	33.15	3	H	23	1.09	-
PK	2.4108G	103.33	Inf	-Inf	33.15	3	H	23	1.09	-
PK	2.4912G	57.74	74.00	-16.26	33.19	3	H	23	1.09	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

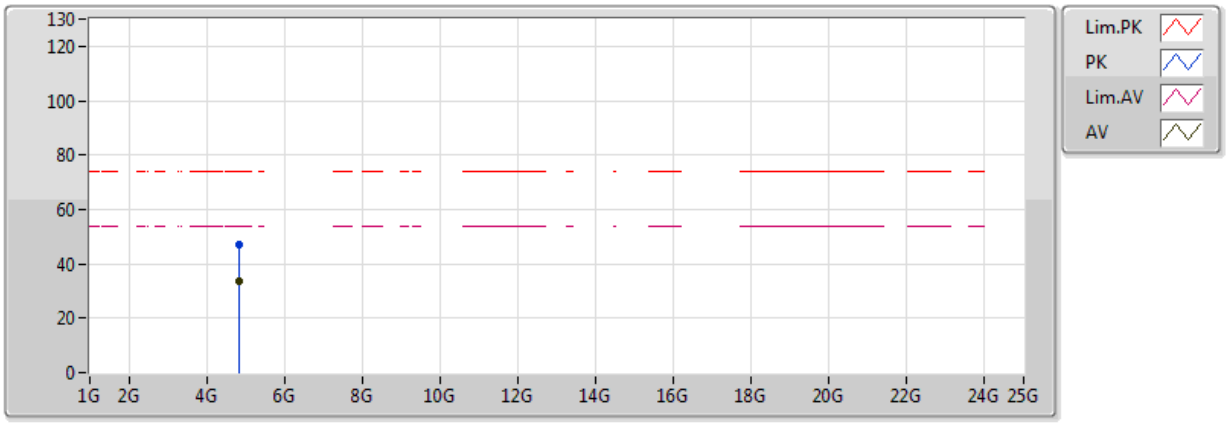


20170615
EUT Y_2TX
Setting 58
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8168G	33.90	54.00	-20.10	4.16	3	V	73	1.28	-
PK	4.8194G	47.29	74.00	-26.71	4.17	3	V	73	1.28	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2412MHz_TX

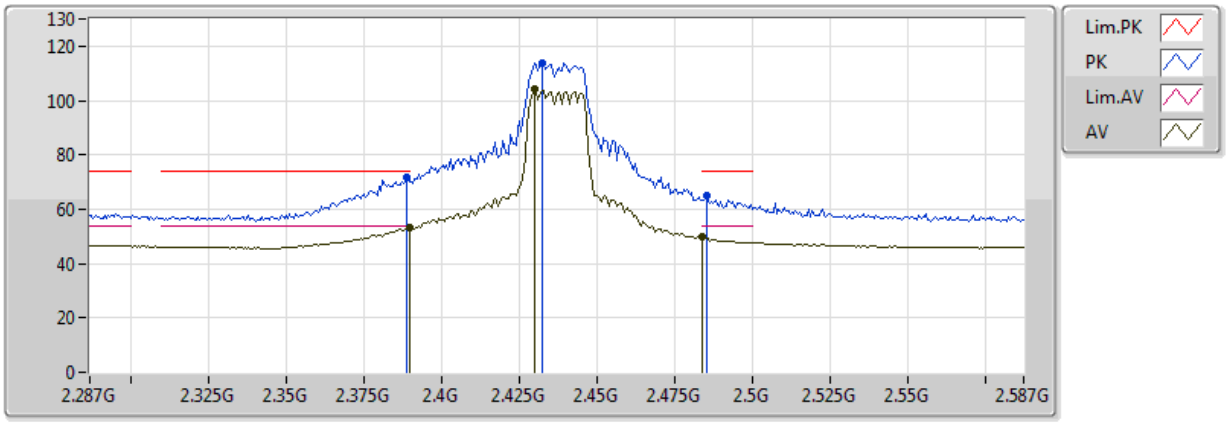


20170615
EUT Y_2TX
Setting 58
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82016G	33.78	54.00	-20.22	4.17	3	H	283	1.08	-
PK	4.83104G	47.16	74.00	-26.84	4.21	3	H	283	1.08	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

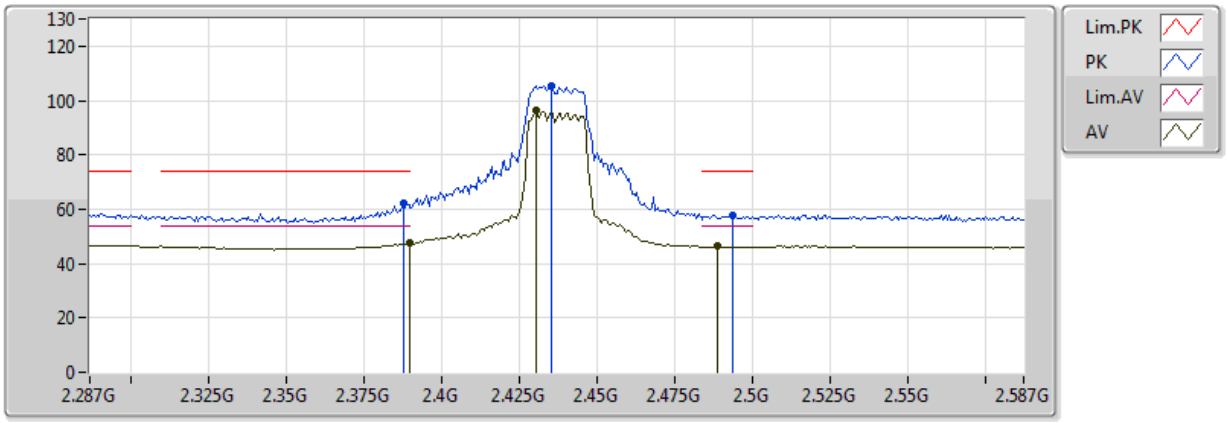


20170615
EUT Y_2TX
Setting 65
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	53.44	54.00	-0.56	33.15	3	V	3	1.05	-
AV	2.4298G	104.00	Inf	-Inf	33.16	3	V	3	1.05	-
AV	2.483502G	49.64	54.00	-4.36	33.19	3	V	3	1.05	-
PK	2.389G	71.48	74.00	-2.52	33.15	3	V	3	1.05	-
PK	2.4322G	113.63	Inf	-Inf	33.16	3	V	3	1.05	-
PK	2.485G	64.93	74.00	-9.07	33.19	3	V	3	1.05	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

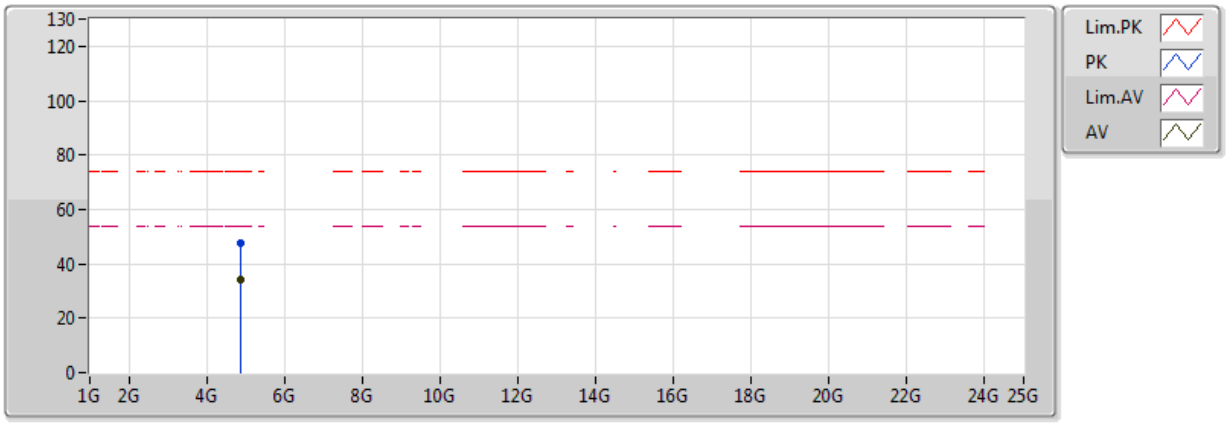


20170615
EUT Y_2TX
Setting 65
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	47.57	54.00	-6.43	33.15	3	H	329	1.18	-
AV	2.4304G	96.10	Inf	-Inf	33.16	3	H	329	1.18	-
AV	2.4886G	46.29	54.00	-7.71	33.19	3	H	329	1.18	-
PK	2.3878G	62.04	74.00	-11.96	33.15	3	H	329	1.18	-
PK	2.4352G	105.17	Inf	-Inf	33.16	3	H	329	1.18	-
PK	2.4934G	57.71	74.00	-16.29	33.20	3	H	329	1.18	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

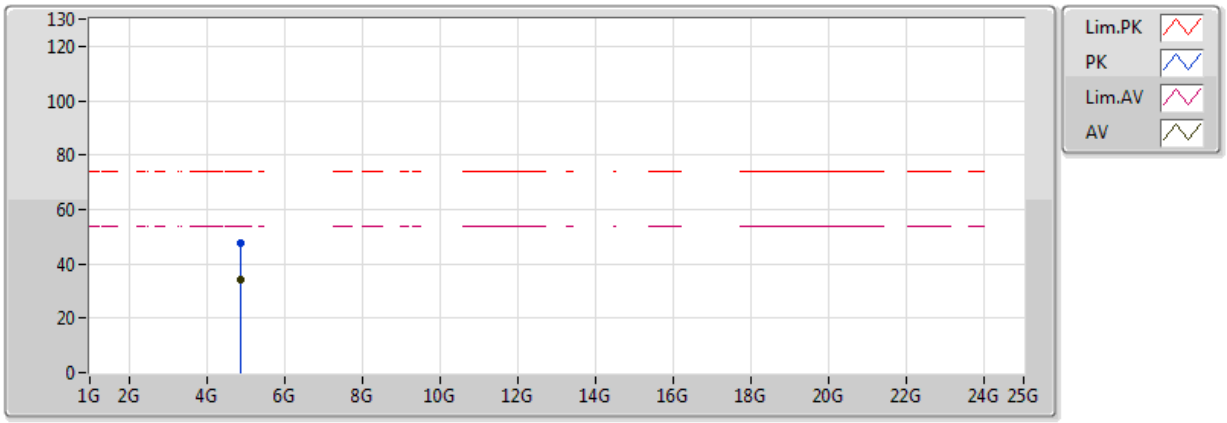


20170615
EUT Y_2TX
Setting 65
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.86432G	34.03	54.00	-19.97	4.31	3	V	19	1.87	-
PK	4.86716G	47.64	74.00	-26.36	4.32	3	V	19	1.87	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2437MHz_TX

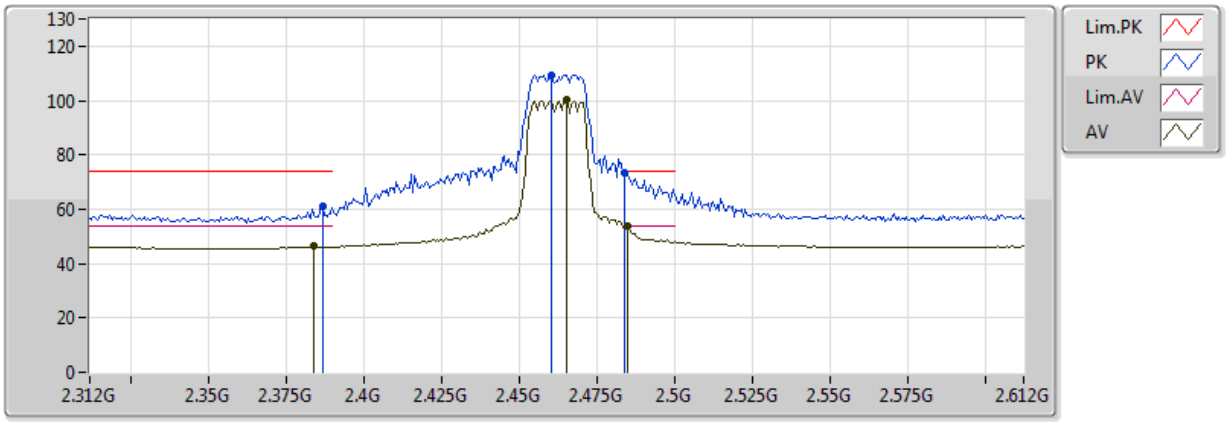


20170615
EUT Y_2TX
Setting 65
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87792G	34.16	54.00	-19.84	4.35	3	H	58	1.46	-
PK	4.86828G	47.46	74.00	-26.54	4.32	3	H	58	1.46	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

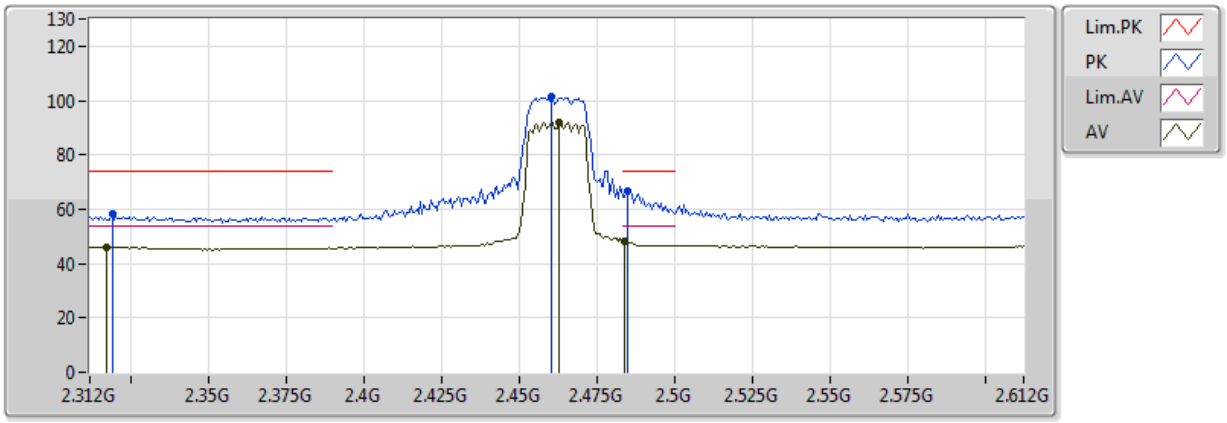


20170615
EUT Y_2TX
Setting 55
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.384G	46.24	54.00	-7.76	33.15	3	V	0	1.01	-
AV	2.465G	100.04	Inf	-Inf	33.18	3	V	0	1.01	-
AV	2.4848G	53.72	54.00	-0.28	33.19	3	V	0	1.01	-
PK	2.387G	61.03	74.00	-12.97	33.15	3	V	0	1.01	-
PK	2.4602G	109.49	Inf	-Inf	33.18	3	V	0	1.01	-
PK	2.4836G	73.35	74.00	-0.65	33.19	3	V	0	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

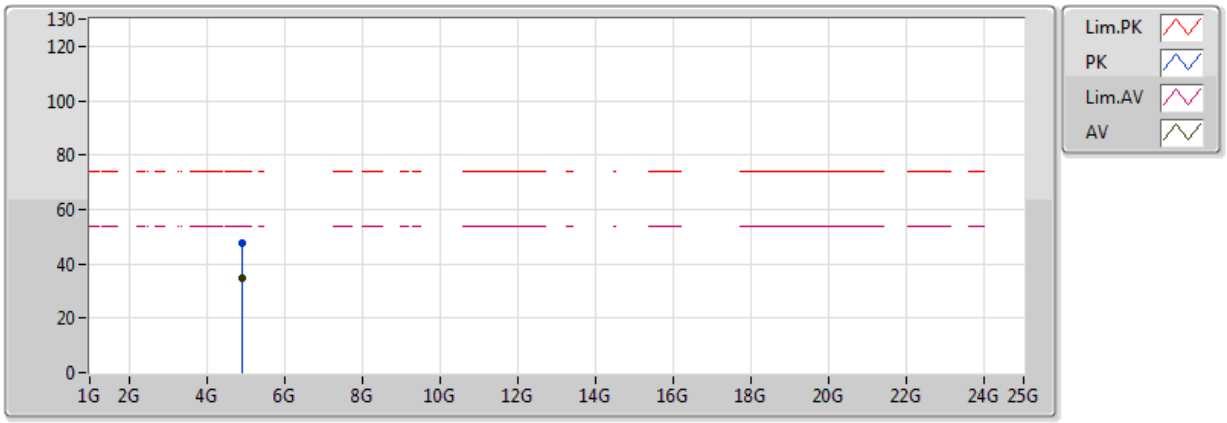


20170615
EUT Y_2TX
Setting 55
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3174G	46.02	54.00	-7.98	33.18	3	H	323	1.50	-
AV	2.4626G	92.01	Inf	-Inf	33.18	3	H	323	1.50	-
AV	2.4836G	48.15	54.00	-5.85	33.19	3	H	323	1.50	-
PK	2.3192G	58.25	74.00	-15.75	33.18	3	H	323	1.50	-
PK	2.4602G	101.20	Inf	-Inf	33.18	3	H	323	1.50	-
PK	2.4848G	66.77	74.00	-7.23	33.19	3	H	323	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

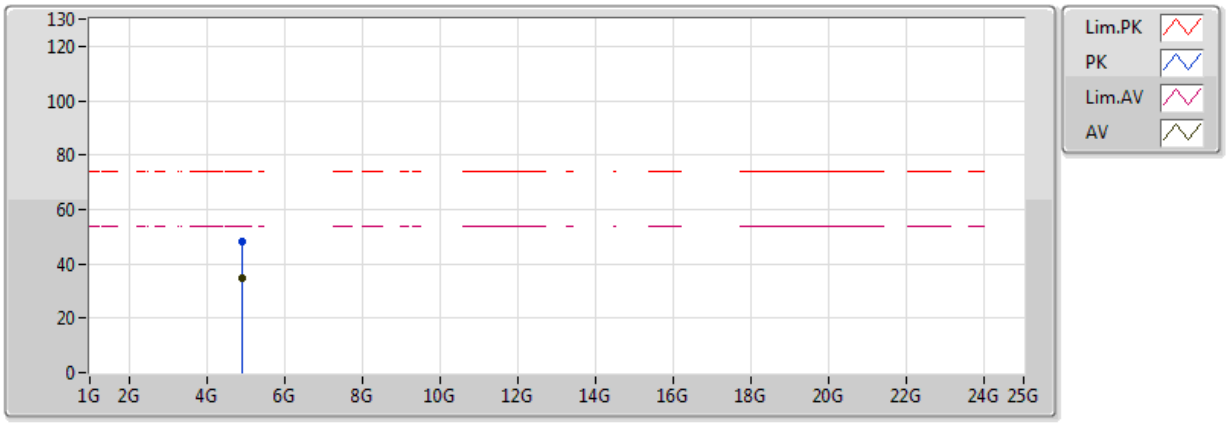


20170615
EUT Y_2TX
Setting 55
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92344G	34.58	54.00	-19.42	4.49	3	V	294	1.84	-
PK	4.91752G	47.72	74.00	-26.28	4.47	3	V	294	1.84	-

802.11ac VHT20_Nss1,(MCS0)_2TX

2462MHz_TX

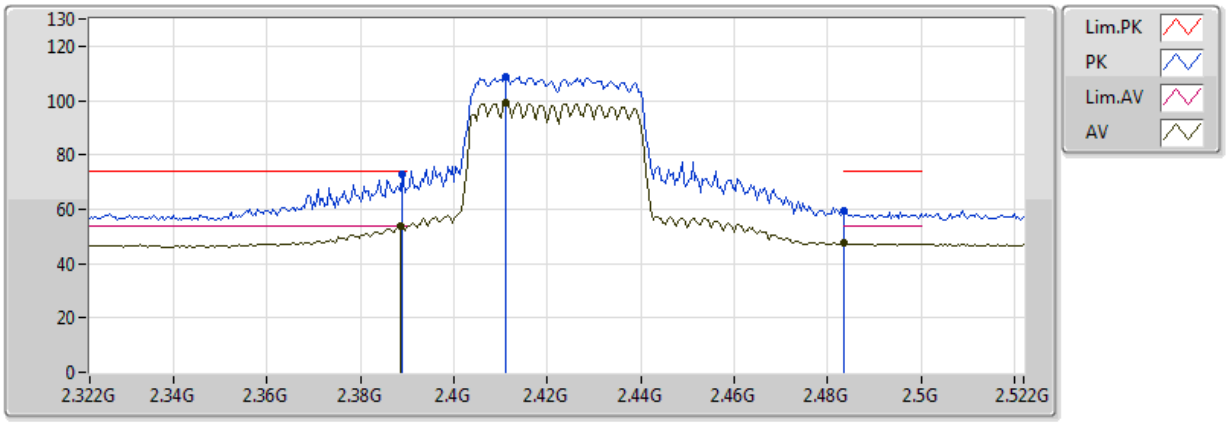


20170615
EUT Y_2TX
Setting 55
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92392G	34.58	54.00	-19.42	4.49	3	H	99	2.38	-
PK	4.92356G	48.26	74.00	-25.74	4.49	3	H	99	2.38	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

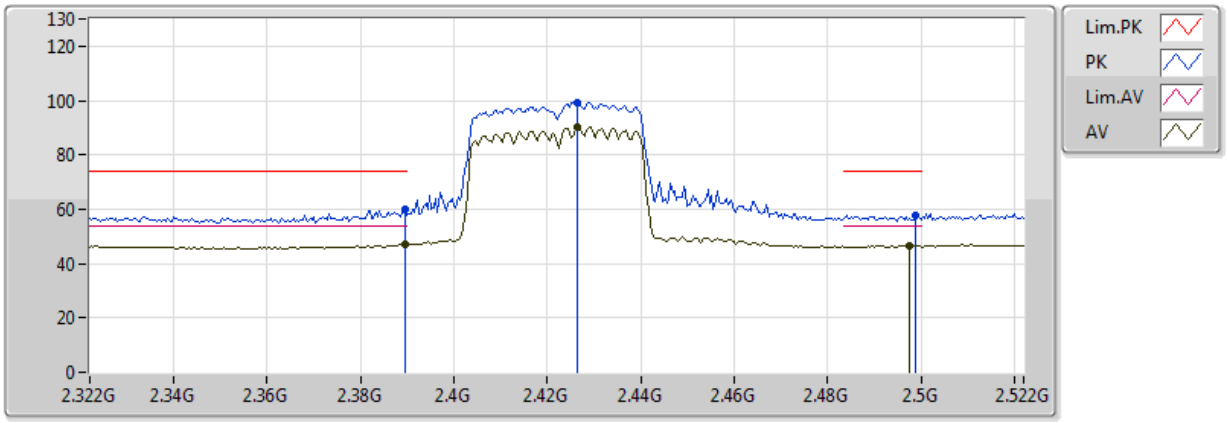


20170615
EUT Y_2TX
Setting 57
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3884G	53.70	54.00	-0.30	33.15	3	V	6	1.07	-
AV	2.4112G	99.35	Inf	-Inf	33.15	3	V	6	1.07	-
AV	2.4836G	47.46	54.00	-6.54	33.19	3	V	6	1.07	-
PK	2.3888G	72.83	74.00	-1.17	33.15	3	V	6	1.07	-
PK	2.4112G	108.63	Inf	-Inf	33.15	3	V	6	1.07	-
PK	2.4836G	59.46	74.00	-14.54	33.19	3	V	6	1.07	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

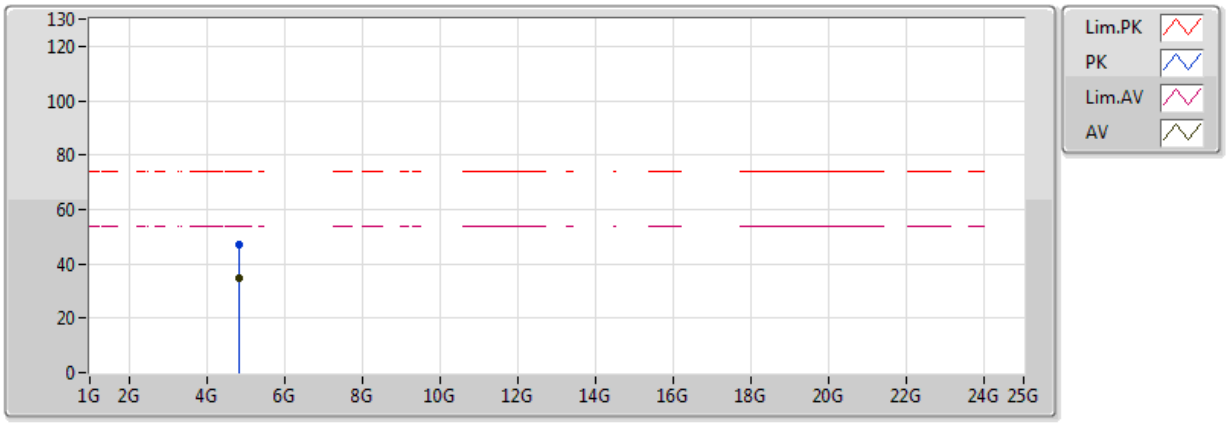


20170615
EUT Y_2TX
Setting 57
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	47.23	54.00	-6.77	33.15	3	H	324	1.45	-
AV	2.4264G	90.10	Inf	-Inf	33.16	3	H	324	1.45	-
AV	2.4976G	46.61	54.00	-7.39	33.20	3	H	324	1.45	-
PK	2.3896G	59.99	74.00	-14.01	33.15	3	H	324	1.45	-
PK	2.4264G	99.22	Inf	-Inf	33.16	3	H	324	1.45	-
PK	2.4988G	57.85	74.00	-16.15	33.20	3	H	324	1.45	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

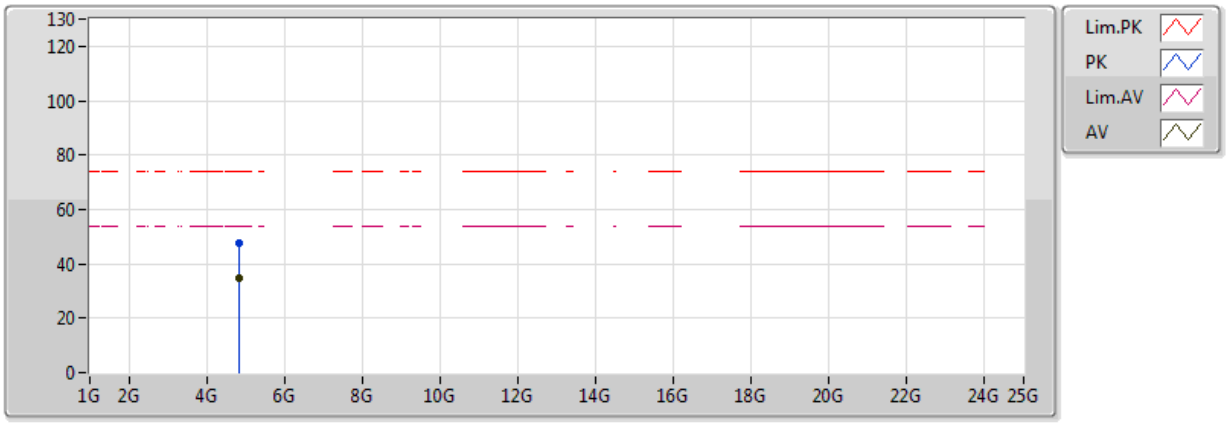


20170615
EUT Y_2TX
Setting 57
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.83416G	34.56	54.00	-19.44	4.22	3	V	104	2.32	-
PK	4.84316G	47.12	74.00	-26.88	4.24	3	V	104	2.32	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2422MHz_TX

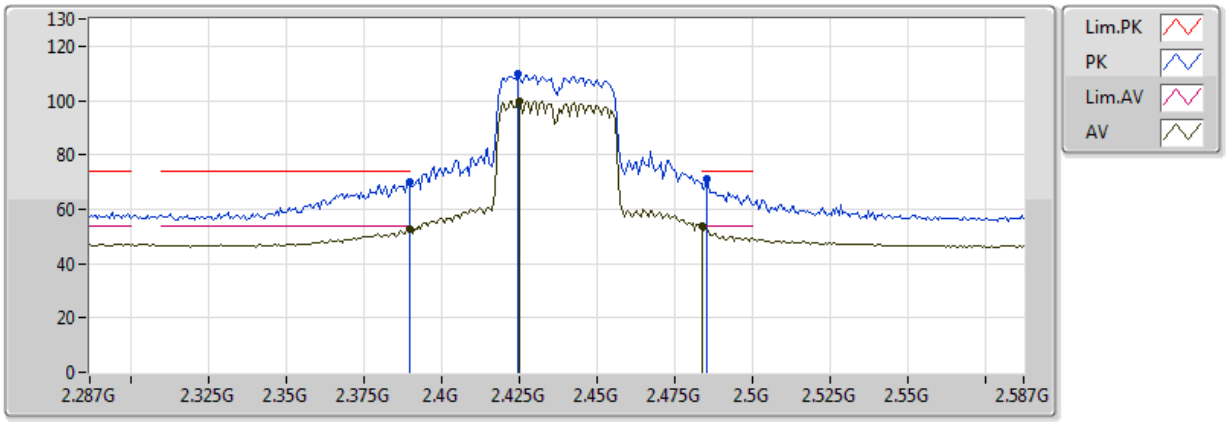


20170615
EUT Y_2TX
Setting 57
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8486G	34.59	54.00	-19.41	4.26	3	H	38	2.06	-
PK	4.84696G	47.50	74.00	-26.50	4.26	3	H	38	2.06	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

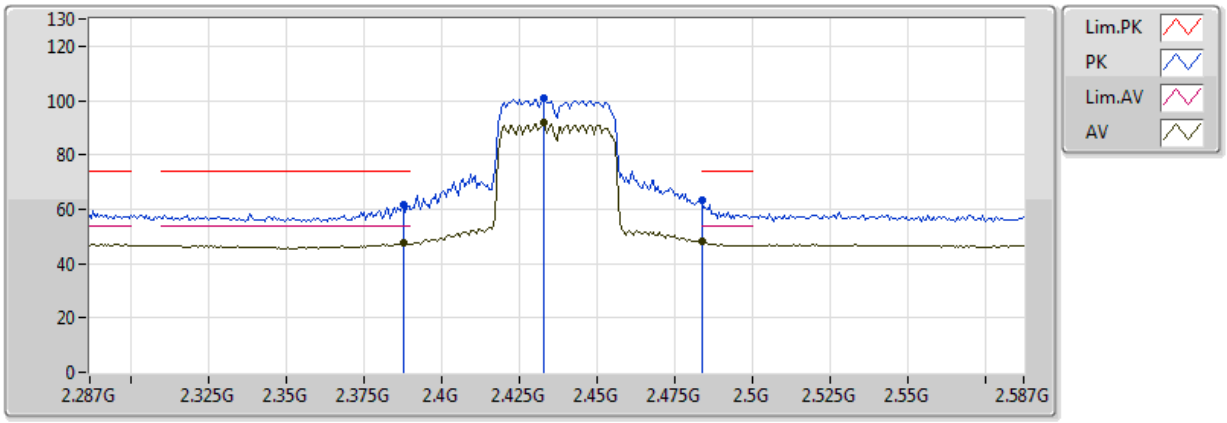


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	52.64	54.00	-1.36	33.15	3	V	358	1.09	-
AV	2.425G	99.81	Inf	-Inf	33.16	3	V	358	1.09	-
AV	2.483502G	53.53	54.00	-0.47	33.19	3	V	358	1.09	-
PK	2.3896G	69.96	74.00	-4.04	33.15	3	V	358	1.09	-
PK	2.4244G	109.72	Inf	-Inf	33.15	3	V	358	1.09	-
PK	2.485G	71.30	74.00	-2.70	33.19	3	V	358	1.09	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

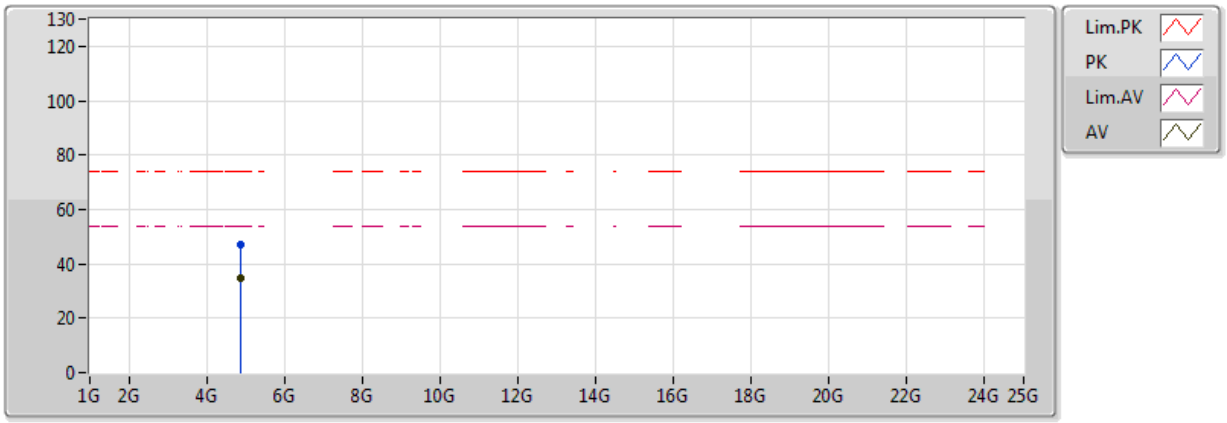


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3878G	47.48	54.00	-6.52	33.15	3	H	330	1.02	-
AV	2.4328G	91.68	Inf	-Inf	33.16	3	H	330	1.02	-
AV	2.483502G	48.07	54.00	-5.93	33.19	3	H	330	1.02	-
PK	2.3878G	61.70	74.00	-12.30	33.15	3	H	330	1.02	-
PK	2.4328G	100.74	Inf	-Inf	33.16	3	H	330	1.02	-
PK	2.483502G	63.25	74.00	-10.75	33.19	3	H	330	1.02	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

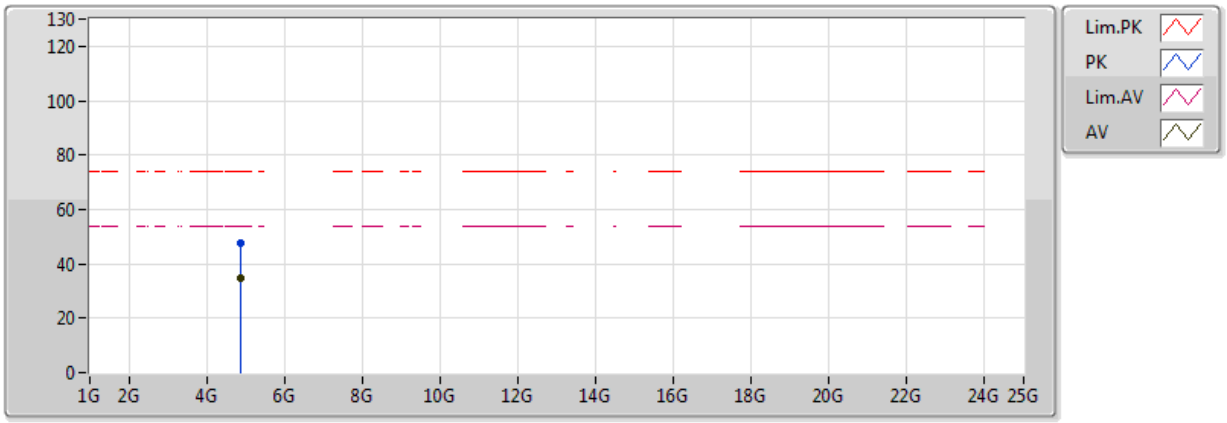


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8794G	34.81	54.00	-19.19	4.36	3	V	202	1.47	-
PK	4.87028G	47.21	74.00	-26.79	4.33	3	V	202	1.47	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2437MHz_TX

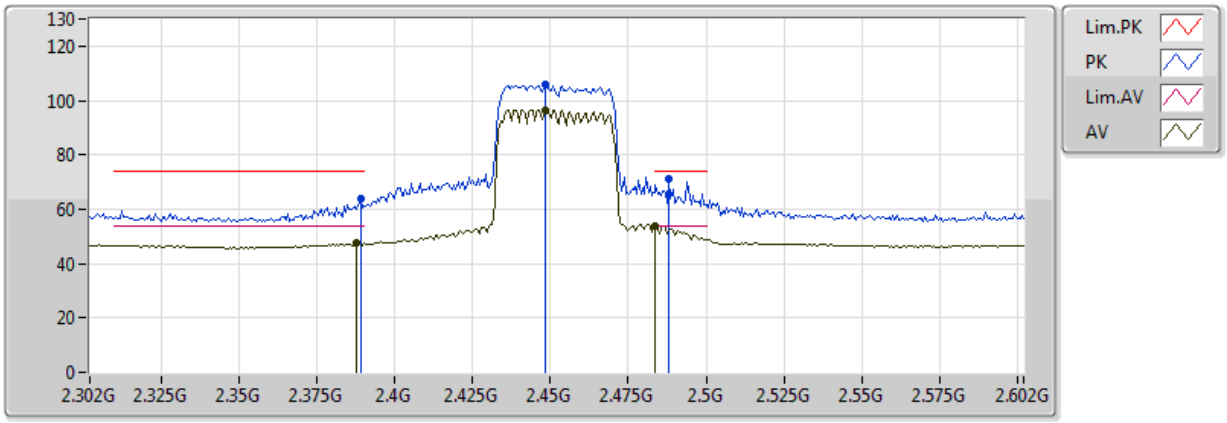


20170615
EUT Y_2TX
Setting 62
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87808G	34.76	54.00	-19.24	4.35	3	H	289	2.14	-
PK	4.86688G	47.63	74.00	-26.37	4.32	3	H	289	2.14	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

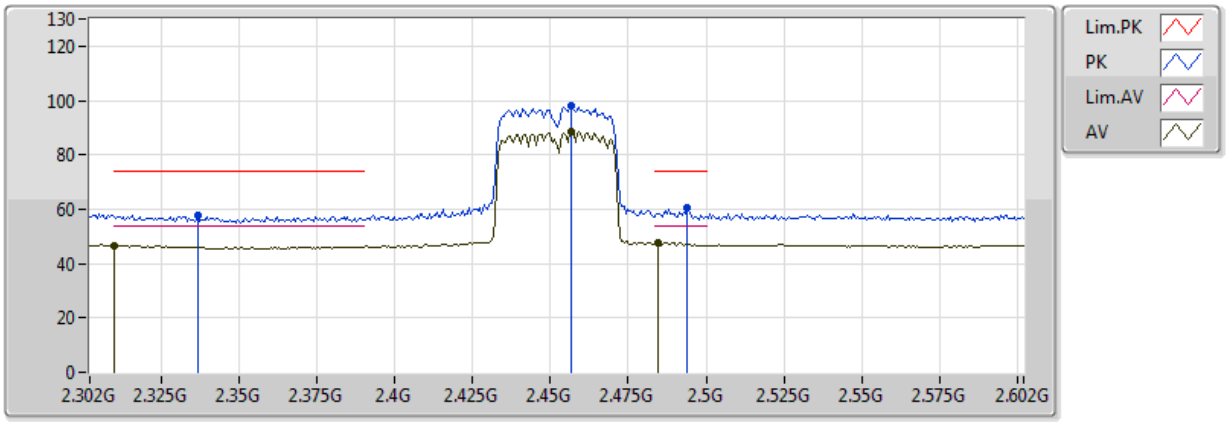


20170615
EUT Y_2TX
Setting 51
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3878G	47.46	54.00	-6.54	33.15	3	V	1	1.02	-
AV	2.4484G	96.60	Inf	-Inf	33.17	3	V	1	1.02	-
AV	2.4838G	53.90	54.00	-0.10	33.19	3	V	1	1.02	-
PK	2.389G	63.87	74.00	-10.13	33.15	3	V	1	1.02	-
PK	2.4484G	105.75	Inf	-Inf	33.17	3	V	1	1.02	-
PK	2.488G	71.04	74.00	-2.96	33.19	3	V	1	1.02	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

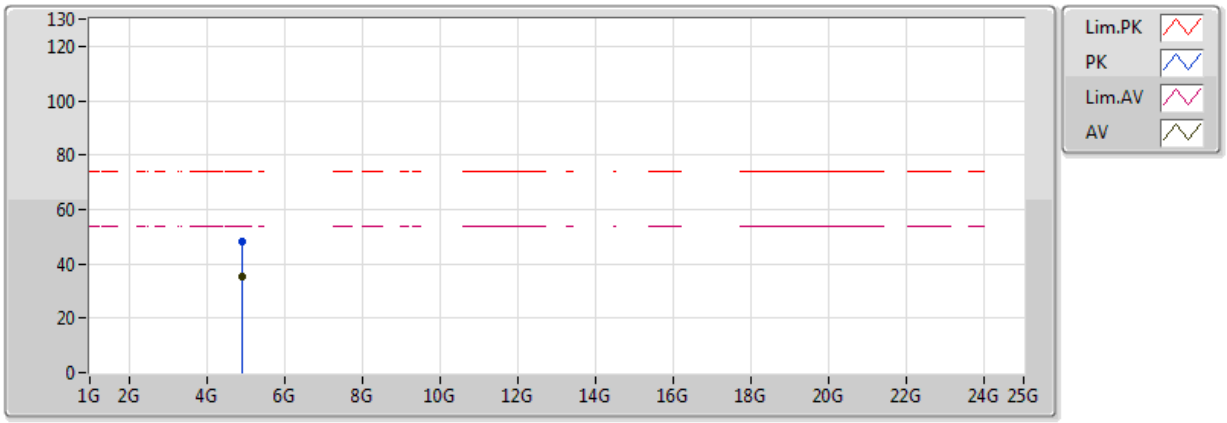


20170615
EUT Y_2TX
Setting 51
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.310002G	46.50	54.00	-7.50	33.18	3	H	327	1.64	-
AV	2.4568G	88.72	Inf	-Inf	33.17	3	H	327	1.64	-
AV	2.4844G	47.64	54.00	-6.36	33.19	3	H	327	1.64	-
PK	2.3368G	57.78	74.00	-16.22	33.17	3	H	327	1.64	-
PK	2.4568G	97.95	Inf	-Inf	33.17	3	H	327	1.64	-
PK	2.494G	60.78	74.00	-13.22	33.20	3	H	327	1.64	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

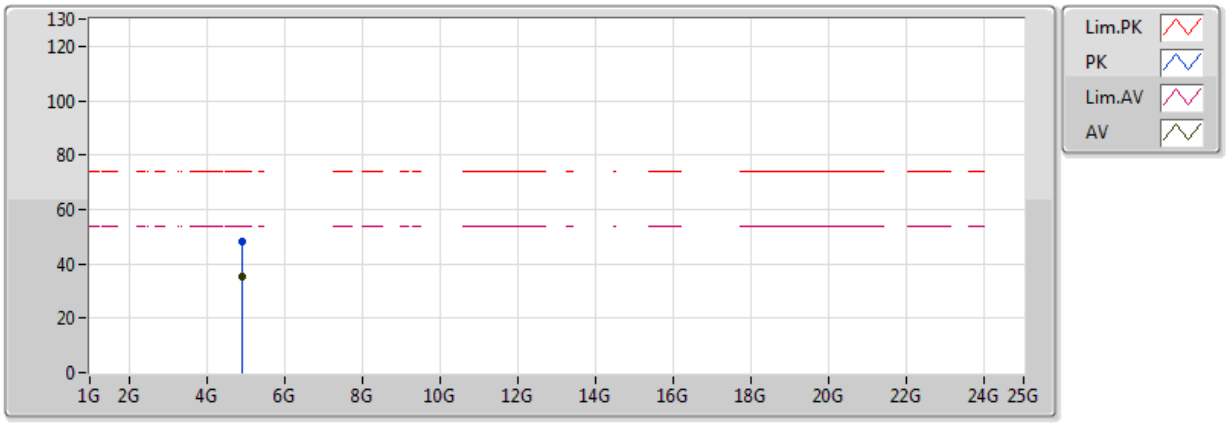


20170615
EUT Y_2TX
Setting 51
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.91316G	35.16	54.00	-18.84	4.46	3	V	338	1.88	-
PK	4.91044G	48.10	74.00	-25.90	4.45	3	V	338	1.88	-

802.11ac VHT40_Nss1,(MCS0)_2TX

2452MHz_TX

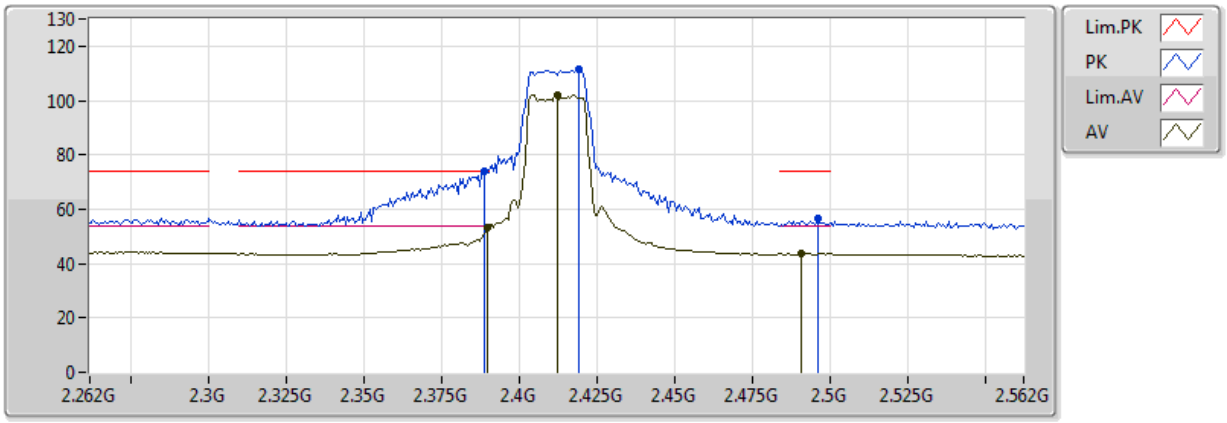


20170615
EUT Y_2TX
Setting 51
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.91288G	35.03	54.00	-18.97	4.46	3	H	326	1.93	-
PK	4.90692G	47.94	74.00	-26.06	4.44	3	H	326	1.93	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

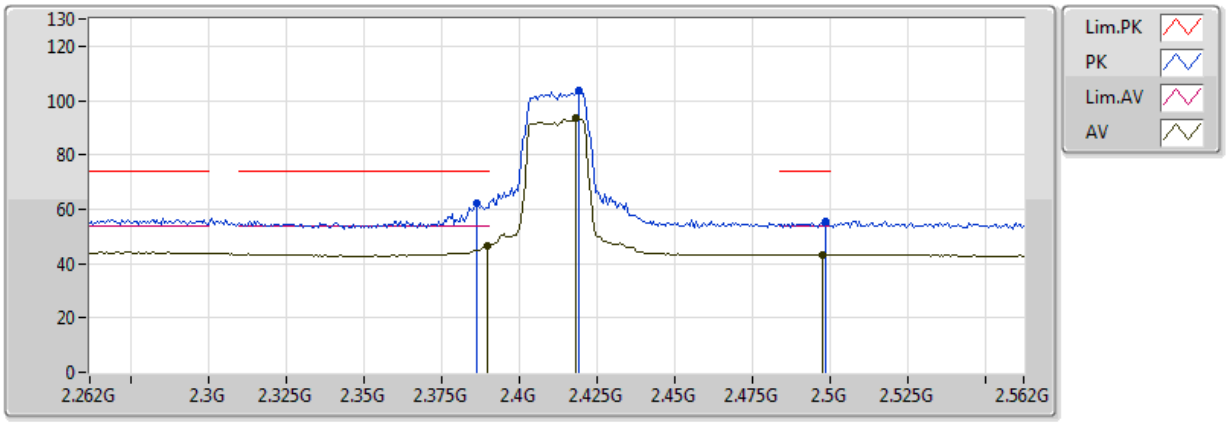


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	53.31	54.00	-0.69	31.04	3	V	0	1.39	-
AV	2.412G	102.12	Inf	-Inf	31.01	3	V	0	1.39	-
AV	2.4906G	43.68	54.00	-10.32	30.91	3	V	0	1.39	-
PK	2.3886G	73.97	74.00	-0.03	31.04	3	V	0	1.39	-
PK	2.4192G	111.60	Inf	-Inf	31.00	3	V	0	1.39	-
PK	2.496G	56.84	74.00	-17.16	30.90	3	V	0	1.39	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

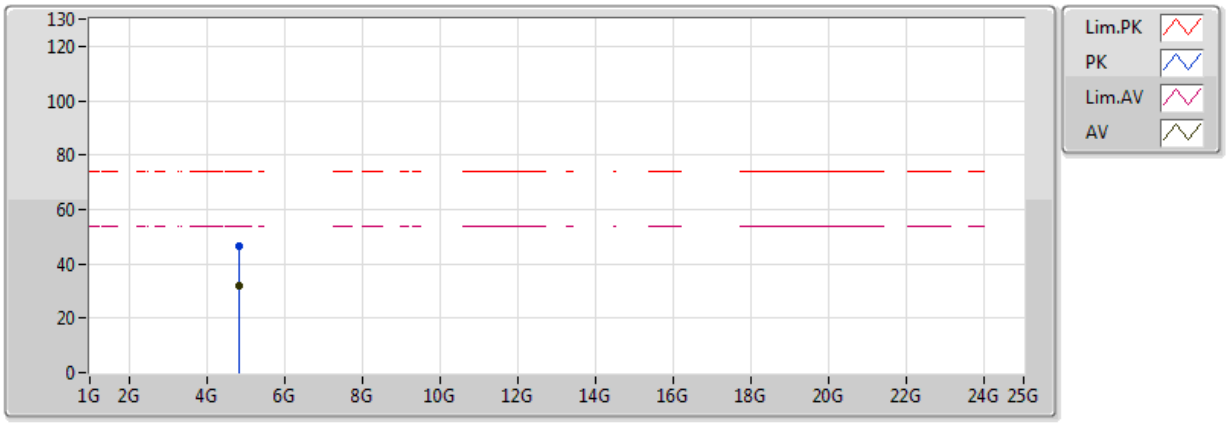


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	46.54	54.00	-7.46	31.04	3	H	322	1.03	-
AV	2.418G	93.43	Inf	-Inf	31.00	3	H	322	1.03	-
AV	2.4972G	43.17	54.00	-10.83	30.90	3	H	322	1.03	-
PK	2.3862G	62.11	74.00	-11.89	31.04	3	H	322	1.03	-
PK	2.4192G	103.65	Inf	-Inf	31.00	3	H	322	1.03	-
PK	2.4984G	55.42	74.00	-18.58	30.90	3	H	322	1.03	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

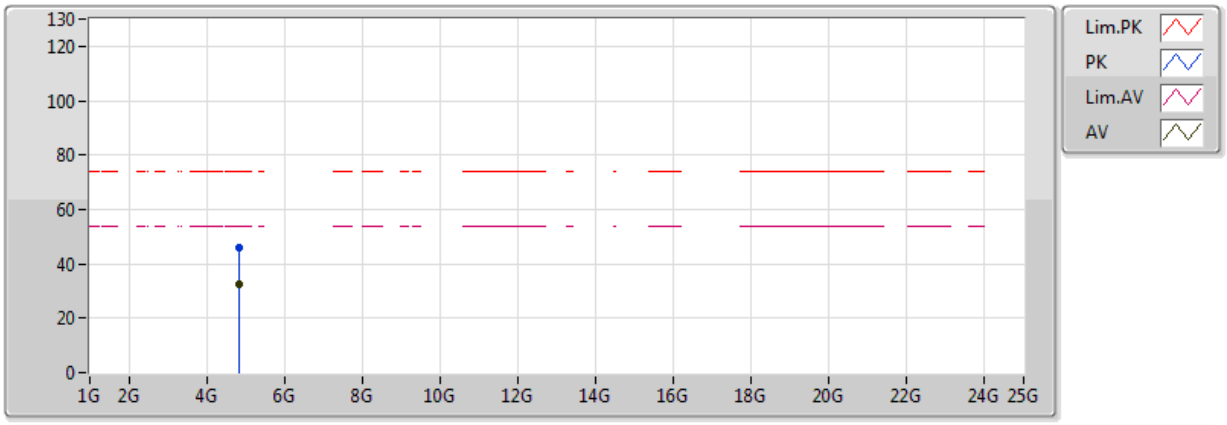


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82338G	32.15	54.00	-21.85	3.40	3	V	169	1.50	-
PK	4.8218G	46.55	74.00	-27.45	3.40	3	V	169	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2412MHz_TX

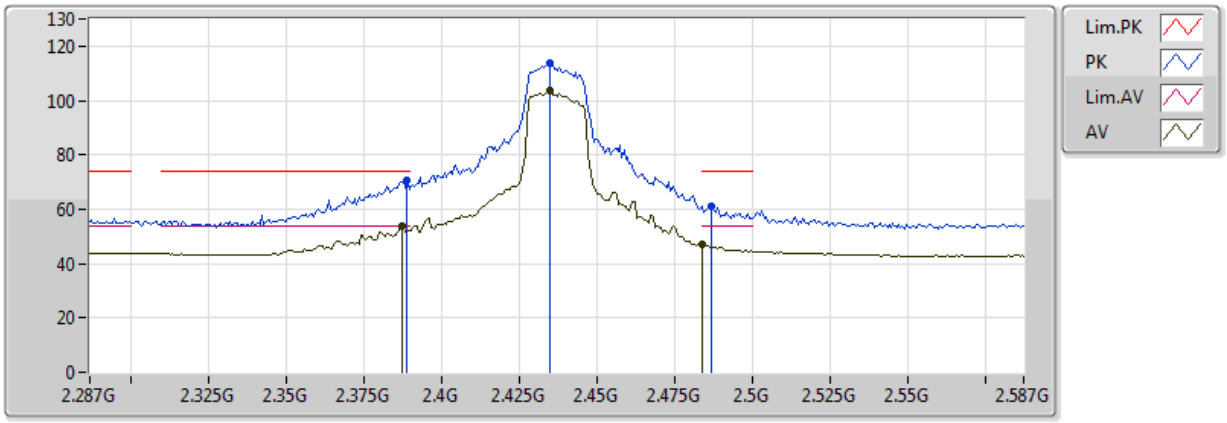


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82312G	32.22	54.00	-21.78	3.40	3	H	156	1.50	-
PK	4.82354G	45.82	74.00	-28.18	3.40	3	H	156	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

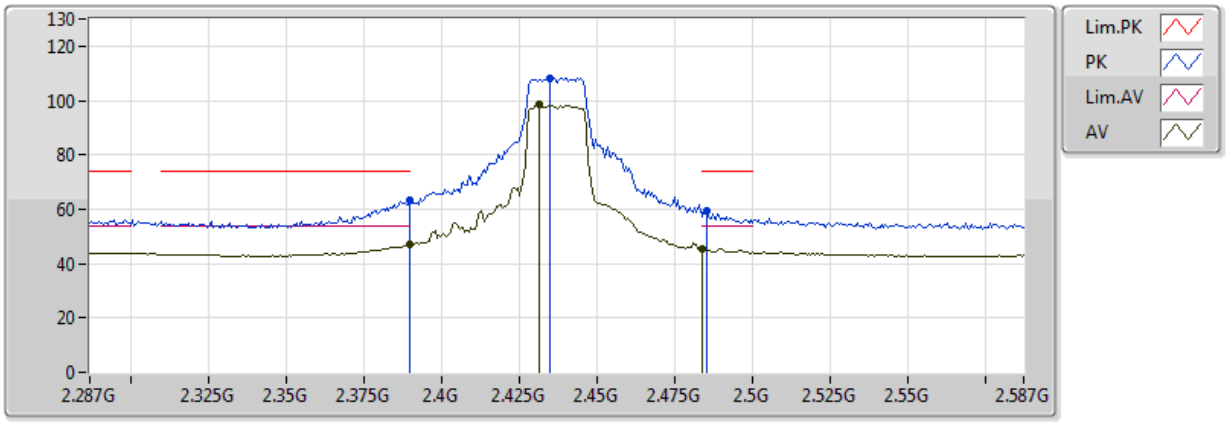


20170620
EUT Y_2TX
Setting 65
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	53.81	54.00	-0.19	31.04	3	V	53	1.16	-
AV	2.4346G	103.71	Inf	-Inf	30.98	3	V	53	1.16	-
AV	2.483502G	47.07	54.00	-6.93	30.92	3	V	53	1.16	-
PK	2.389G	70.70	74.00	-3.30	31.04	3	V	53	1.16	-
PK	2.4346G	113.50	Inf	-Inf	30.98	3	V	53	1.16	-
PK	2.4868G	61.30	74.00	-12.70	30.92	3	V	53	1.16	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

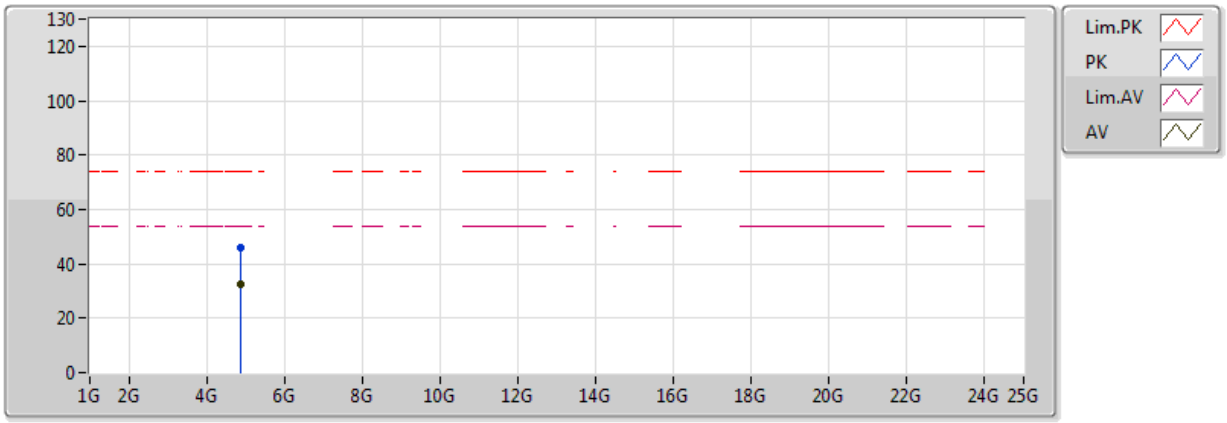


20170620
EUT Y_2TX
Setting 65
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	46.91	54.00	-7.09	31.04	3	H	320	1.22	-
AV	2.4316G	98.61	Inf	-Inf	30.98	3	H	320	1.22	-
AV	2.483502G	45.29	54.00	-8.71	30.92	3	H	320	1.22	-
PK	2.389998G	63.18	74.00	-10.82	31.04	3	H	320	1.22	-
PK	2.4346G	108.42	Inf	-Inf	30.98	3	H	320	1.22	-
PK	2.485G	59.39	74.00	-14.61	30.92	3	H	320	1.22	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

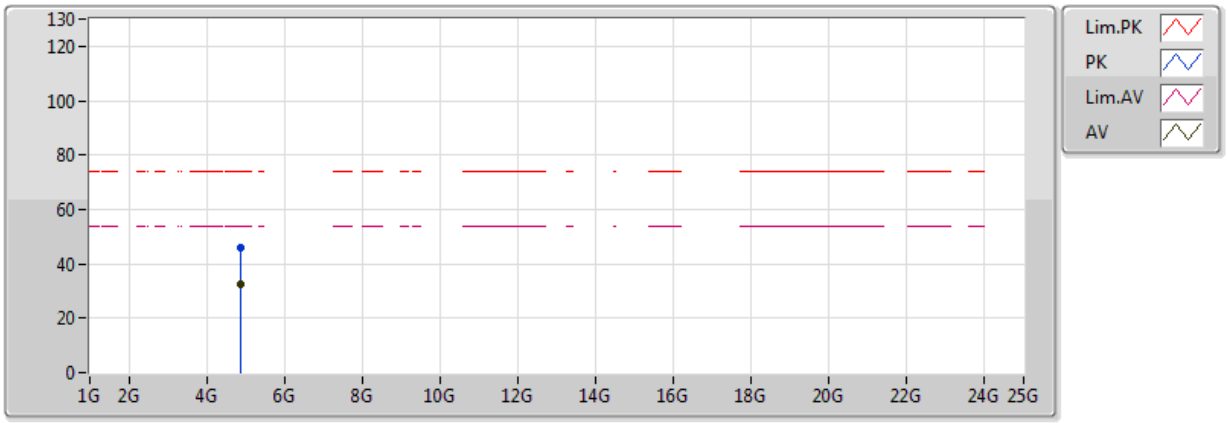


20170620
EUT Y_2TX
Setting 65
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8761G	32.70	54.00	-21.30	3.56	3	V	142	1.50	-
PK	4.87283G	46.17	74.00	-27.83	3.55	3	V	142	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2437MHz_TX

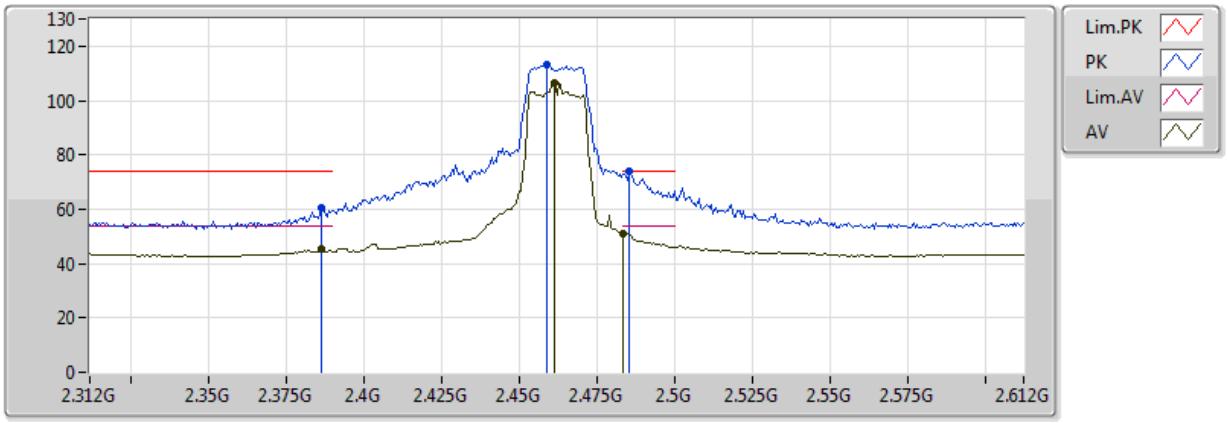


20170620
EUT Y_2TX
Setting 65
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87408G	32.64	54.00	-21.36	3.55	3	H	156	1.50	-
PK	4.87174G	46.06	74.00	-27.94	3.55	3	H	156	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

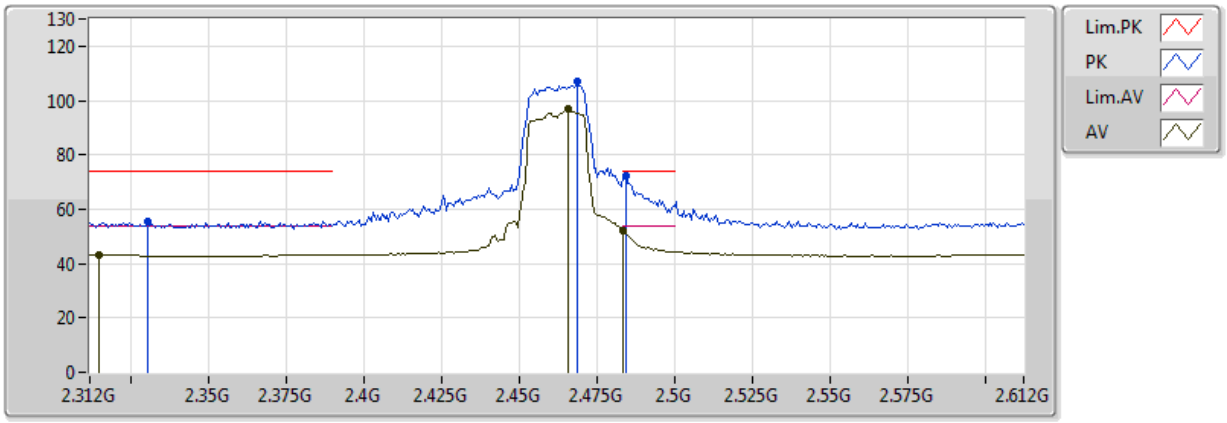


20170620
EUT Y_2TX
Setting 55
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3864G	45.37	54.00	-8.63	31.04	3	V	1	1.09	-
AV	2.4614G	106.42	Inf	-Inf	30.95	3	V	1	1.09	-
AV	2.483502G	51.06	54.00	-2.94	30.92	3	V	1	1.09	-
PK	2.3864G	60.69	74.00	-13.31	31.04	3	V	1	1.09	-
PK	2.459G	113.32	Inf	-Inf	30.95	3	V	1	1.09	-
PK	2.4854G	73.75	74.00	-0.25	30.92	3	V	1	1.09	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

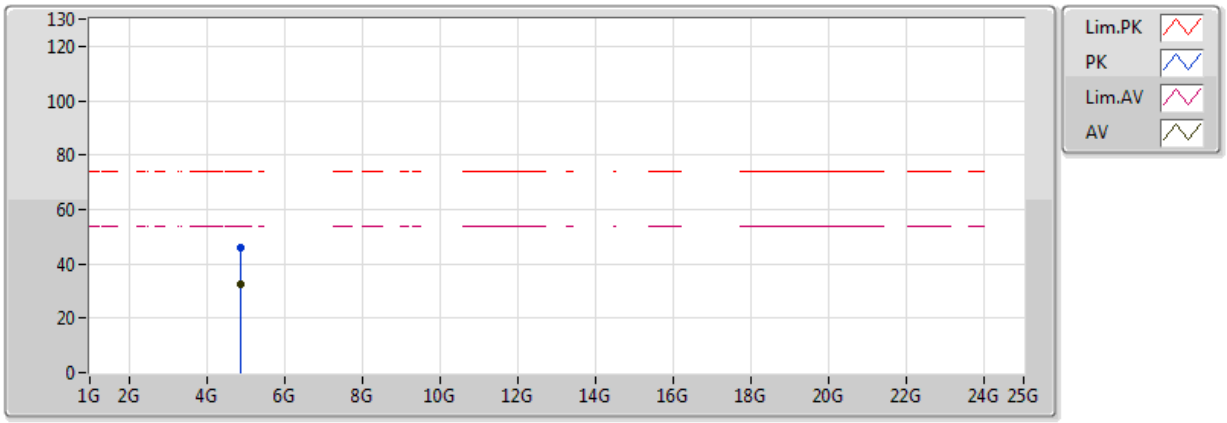


20170620
EUT Y_2TX
Setting 55
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.315G	43.31	54.00	-10.69	31.15	3	H	31	1.13	-
AV	2.4656G	96.85	Inf	-Inf	30.94	3	H	31	1.13	-
AV	2.483502G	52.03	54.00	-1.97	30.92	3	H	31	1.13	-
PK	2.3306G	55.63	74.00	-18.37	31.12	3	H	31	1.13	-
PK	2.4686G	106.83	Inf	-Inf	30.94	3	H	31	1.13	-
PK	2.4842G	72.28	74.00	-1.72	30.92	3	H	31	1.13	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

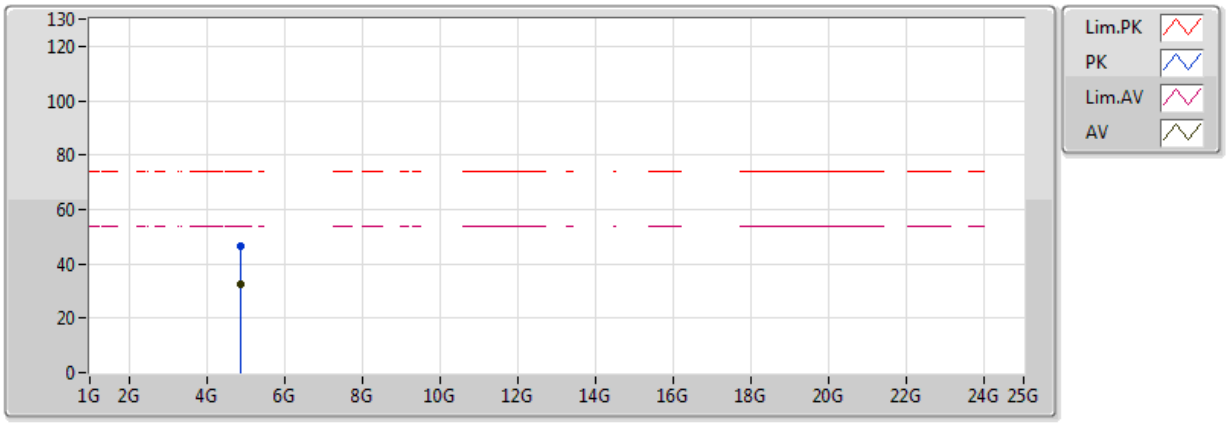


20170620
EUT Y_2TX
Setting 55
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87376G	32.53	54.00	-21.47	3.55	3	V	142	1.50	-
PK	4.87393G	46.05	74.00	-27.95	3.55	3	V	142	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

2462MHz_TX

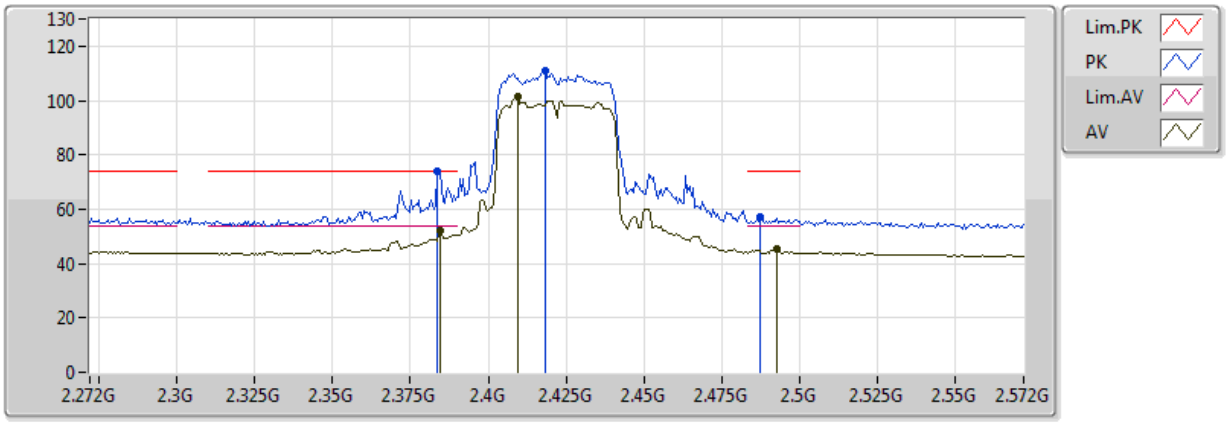


20170620
EUT Y_2TX
Setting 55
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87382G	32.69	54.00	-21.31	3.55	3	H	150	1.50	-
PK	4.87439G	46.42	74.00	-27.58	3.55	3	H	150	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

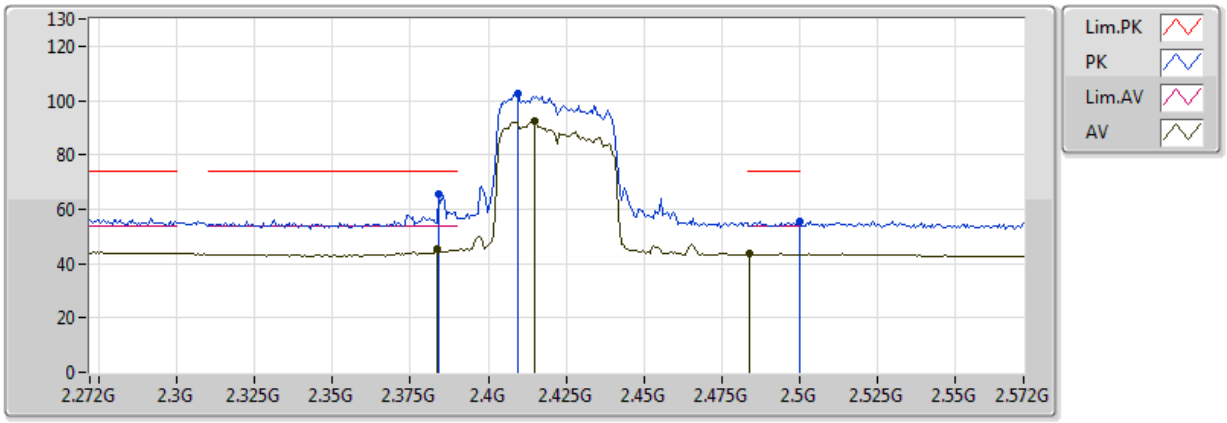


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3848G	52.36	54.00	-1.64	31.04	3	V	2	1.02	-
AV	2.4094G	101.27	Inf	-Inf	31.01	3	V	2	1.02	-
AV	2.4928G	45.14	54.00	-8.86	30.91	3	V	2	1.02	-
PK	2.3836G	73.81	74.00	-0.19	31.04	3	V	2	1.02	-
PK	2.4184G	110.77	Inf	-Inf	31.00	3	V	2	1.02	-
PK	2.4874G	57.18	74.00	-16.82	30.92	3	V	2	1.02	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

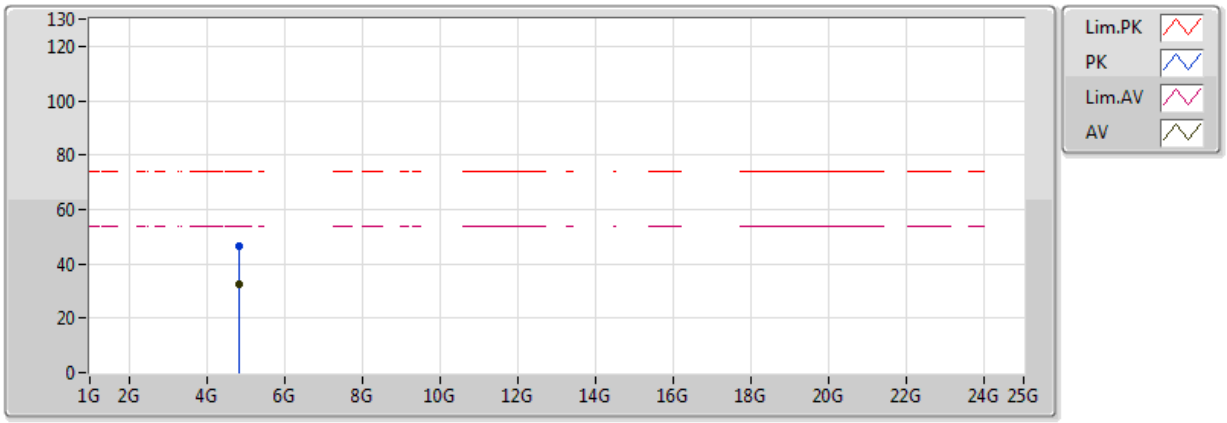


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3836G	45.52	54.00	-8.48	31.04	3	H	22	1.28	-
AV	2.4148G	92.37	Inf	-Inf	31.00	3	H	22	1.28	-
AV	2.4838G	43.59	54.00	-10.41	30.92	3	H	22	1.28	-
PK	2.3842G	65.44	74.00	-8.56	31.04	3	H	22	1.28	-
PK	2.4094G	102.35	Inf	-Inf	31.01	3	H	22	1.28	-
PK	2.499998G	55.54	74.00	-18.46	30.90	3	H	22	1.28	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

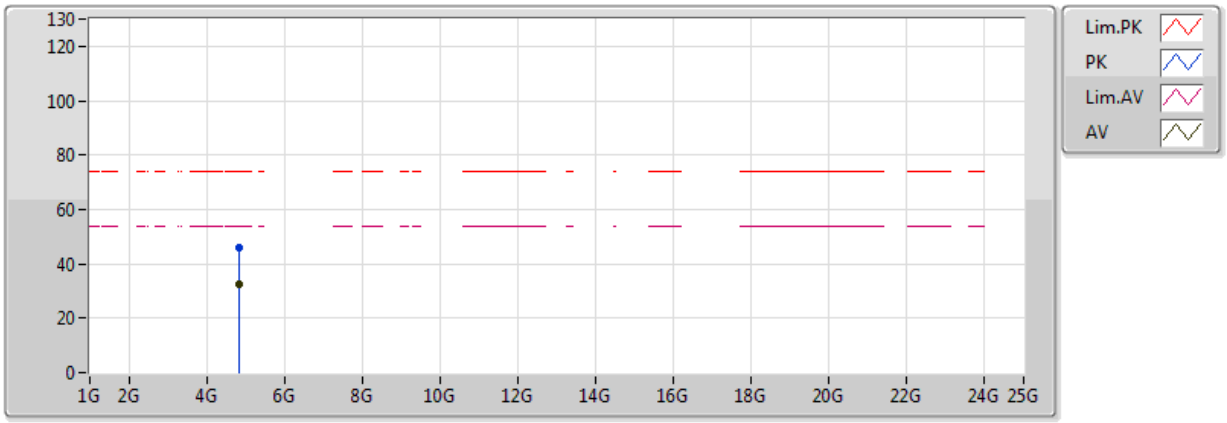


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.84181G	32.33	54.00	-21.67	3.46	3	V	169	1.50	-
PK	4.84379G	46.43	74.00	-27.57	3.46	3	V	169	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2422MHz_TX

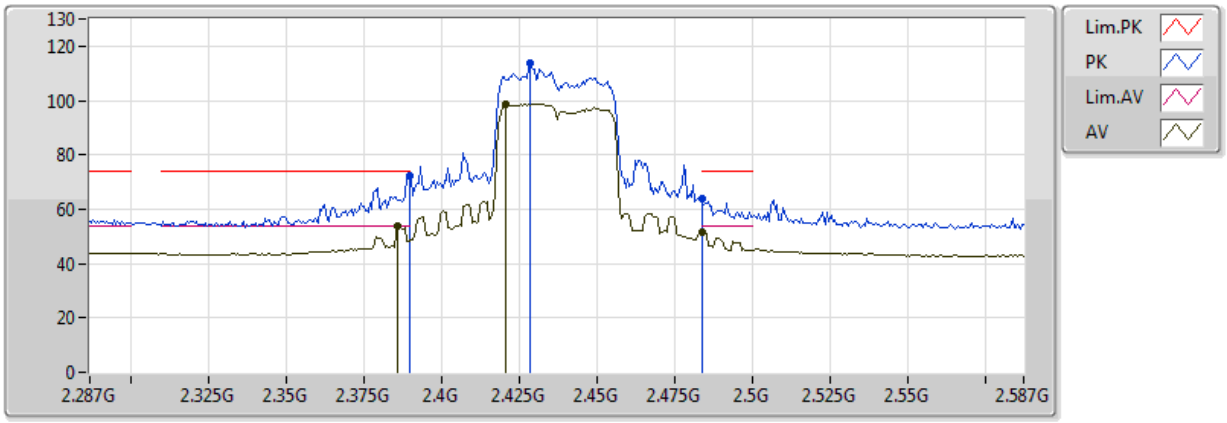


20170620
EUT Y_2TX
Setting 53
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8419G	32.32	54.00	-21.68	3.46	3	H	163	1.53	-
PK	4.84392G	46.03	74.00	-27.97	3.46	3	H	163	1.53	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

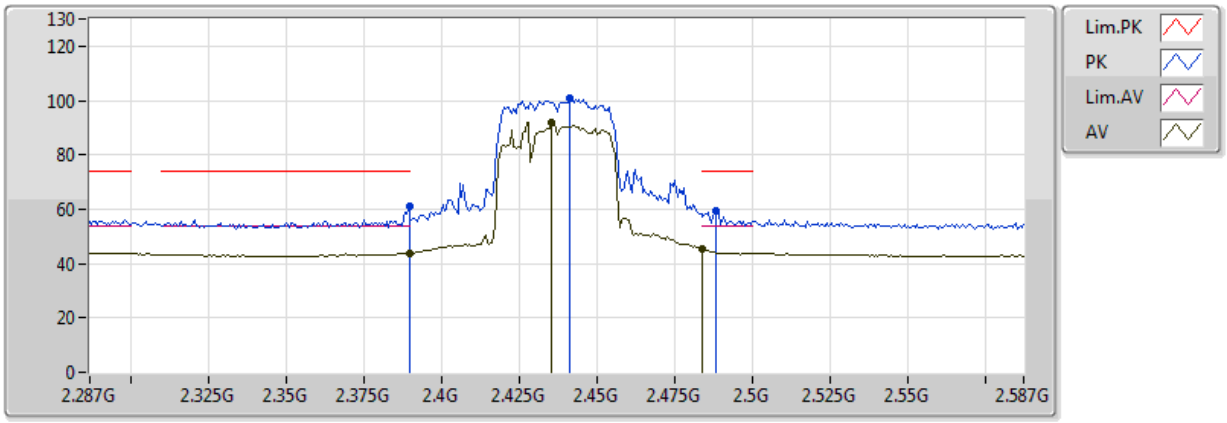


20170620
EUT Y_2TX
Setting 57
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.386G	53.80	54.00	-0.20	31.04	3	V	3	1.36	-
AV	2.4208G	98.65	Inf	-Inf	31.00	3	V	3	1.36	-
AV	2.4838G	51.71	54.00	-2.29	30.92	3	V	3	1.36	-
PK	2.3896G	72.29	74.00	-1.71	31.04	3	V	3	1.36	-
PK	2.4286G	113.66	Inf	-Inf	30.99	3	V	3	1.36	-
PK	2.483502G	64.14	74.00	-9.86	30.92	3	V	3	1.36	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

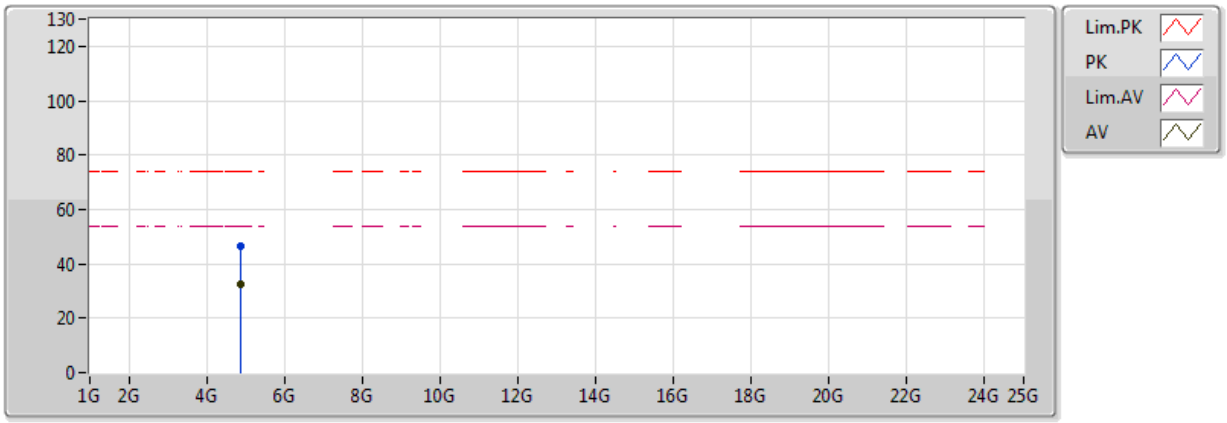


20170620
EUT Y_2TX
Setting 57
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	43.88	54.00	-10.12	31.04	3	H	316	1.48	-
AV	2.4352G	91.91	Inf	-Inf	30.98	3	H	316	1.48	-
AV	2.483502G	45.57	54.00	-8.43	30.92	3	H	316	1.48	-
PK	2.3896G	60.87	74.00	-13.13	31.04	3	H	316	1.48	-
PK	2.4412G	100.61	Inf	-Inf	30.97	3	H	316	1.48	-
PK	2.488G	59.15	74.00	-14.85	30.91	3	H	316	1.48	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

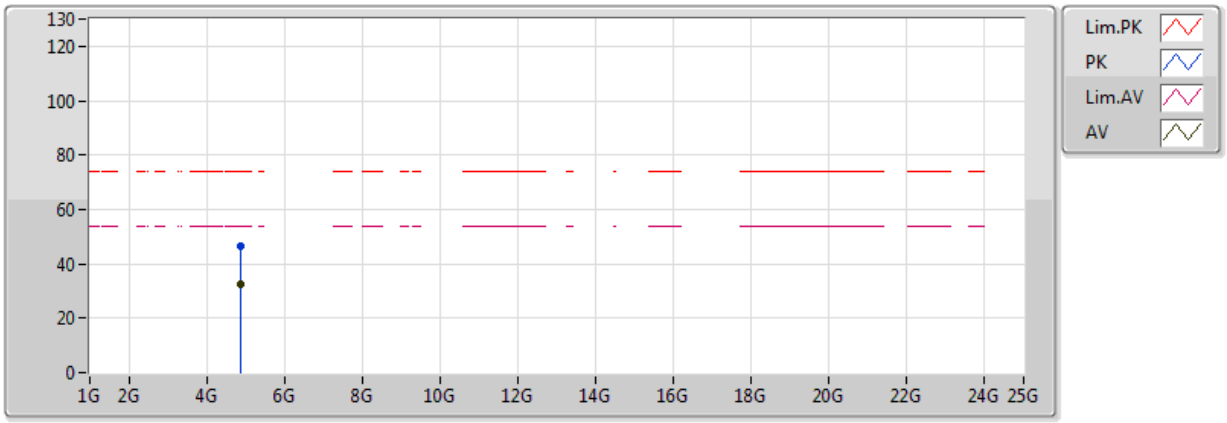


20170620
EUT Y_2TX
Setting 57
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8755G	32.57	54.00	-21.43	3.56	3	V	152	1.55	-
PK	4.87304G	46.37	74.00	-27.63	3.55	3	V	152	1.55	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2437MHz_TX

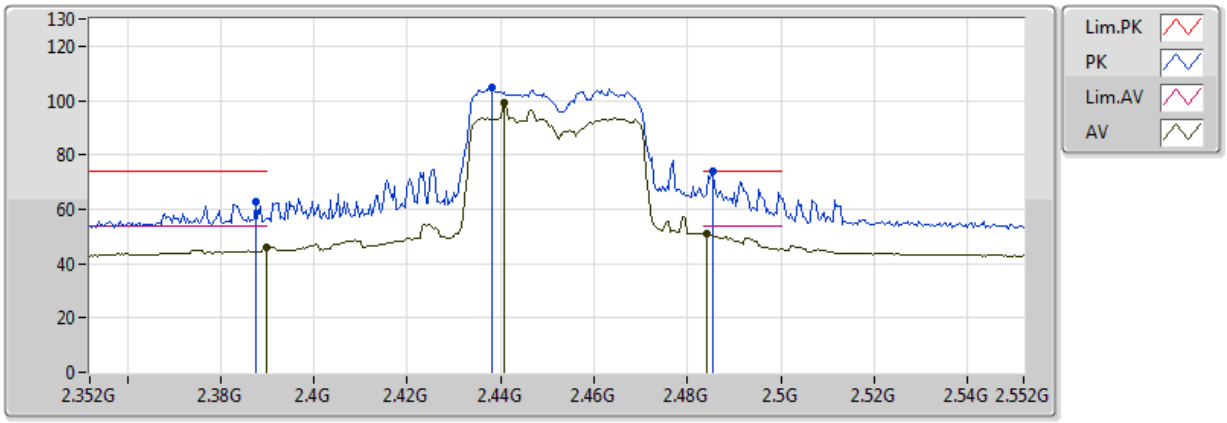


20170620
EUT Y_2TX
Setting 57
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87594G	32.52	54.00	-21.48	3.56	3	H	184	1.53	-
PK	4.87349G	46.41	74.00	-27.59	3.55	3	H	184	1.53	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

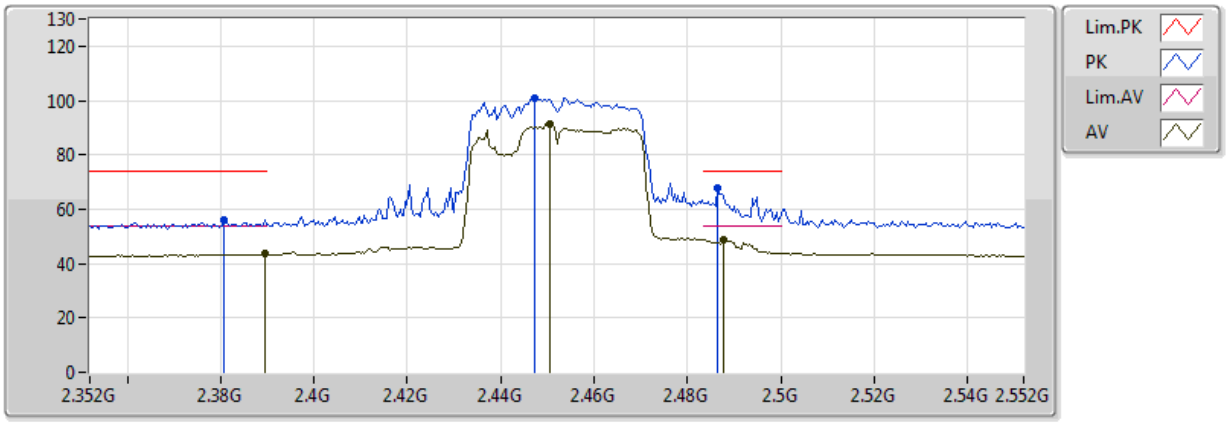


20170620
EUT Y_2TX
Setting 52
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	46.12	54.00	-7.88	31.04	3	V	42	1.01	-
AV	2.4408G	98.95	Inf	-Inf	30.97	3	V	42	1.01	-
AV	2.484G	51.02	54.00	-2.98	30.92	3	V	42	1.01	-
PK	2.3876G	62.81	74.00	-11.19	31.04	3	V	42	1.01	-
PK	2.438G	104.95	Inf	-Inf	30.97	3	V	42	1.01	-
PK	2.4856G	73.74	74.00	-0.26	30.92	3	V	42	1.01	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

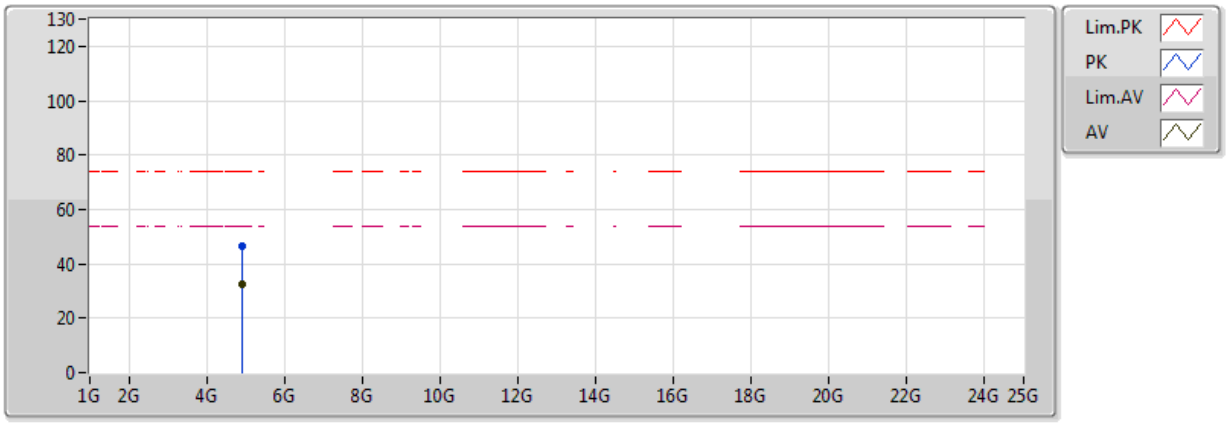


20170620
EUT Y_2TX
Setting 52
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	43.89	54.00	-10.11	31.04	3	H	317	1.47	-
AV	2.4504G	91.57	Inf	-Inf	30.96	3	H	317	1.47	-
AV	2.4876G	48.64	54.00	-5.36	30.91	3	H	317	1.47	-
PK	2.3808G	56.25	74.00	-17.75	31.05	3	H	317	1.47	-
PK	2.4472G	101.09	Inf	-Inf	30.96	3	H	317	1.47	-
PK	2.4864G	67.89	74.00	-6.11	30.92	3	H	317	1.47	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

2452MHz_TX

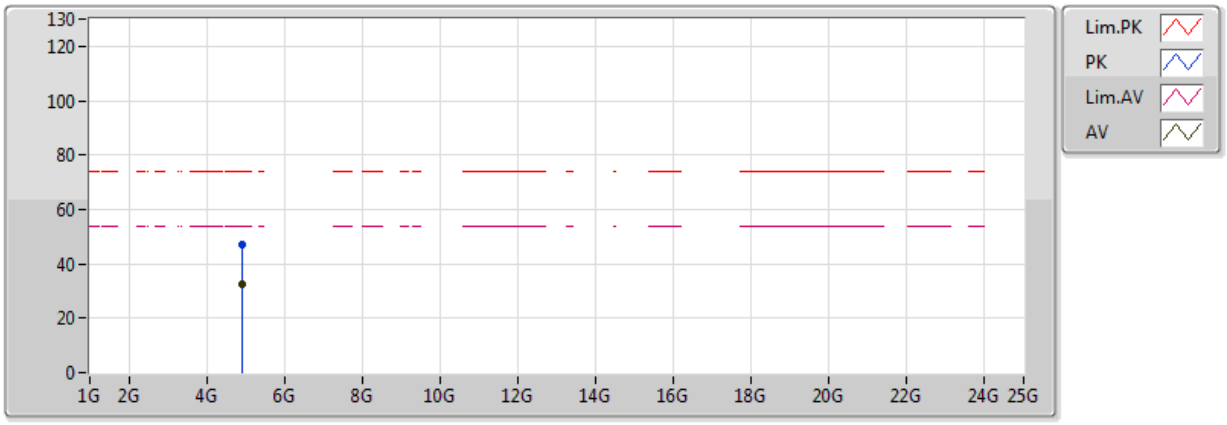


20170620
EUT Y_2TX
Setting 52
01-P-2
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.903604G	32.56	54.00	-21.44	3.64	3	V	281	1.36	-
PK	4.903764G	46.60	74.00	-27.40	3.64	3	V	281	1.36	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

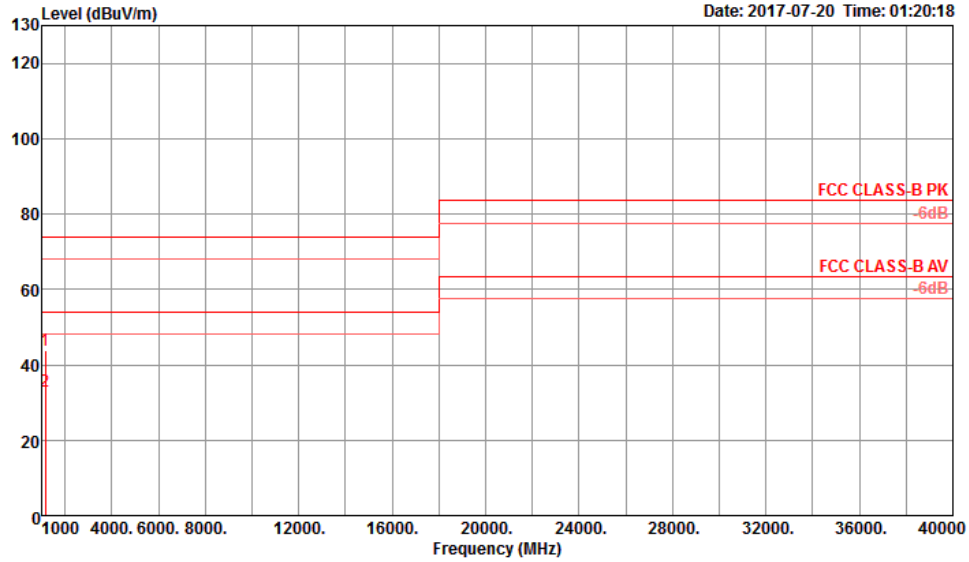
2452MHz_TX



20170620
EUT Y_2TX
Setting 52
01-P-2
FSP(100056)

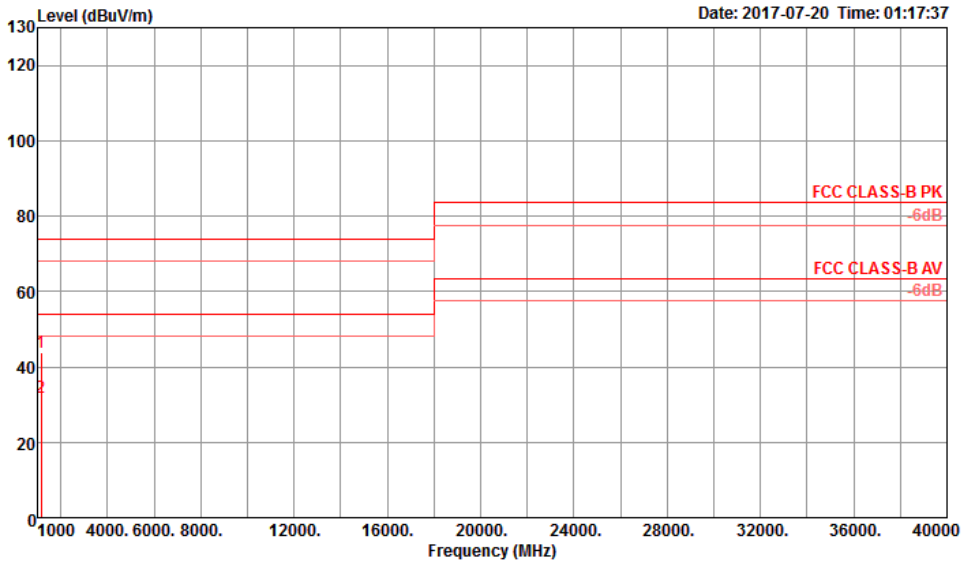
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.903768G	32.66	54.00	-21.34	3.64	3	H	254	1.31	-
PK	4.903508G	46.81	74.00	-27.19	3.64	3	H	254	1.31	-

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1168.46	43.67	74.00	-30.33	50.63	2.99	24.34	34.29	100	360	Peak	HORIZONTAL
2	1169.00	33.10	54.00	-20.90	40.06	2.99	24.34	34.29	100	360	Average	HORIZONTAL

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1168.06	43.72	74.00	-30.28	50.68	2.99	24.34	34.29	100	360	Peak	VERTICAL
2	1168.46	32.04	54.00	-21.96	39.00	2.99	24.34	34.29	100	360	Average	VERTICAL