FCC Test Report

Equipment	:	802.11ac Tri Band PoE Access Point
Brand Name	:	LITE-ON, MOJO, WatchGuard
Model No.	:	WP8333V1, C-110, AP225
FCC ID	:	PPQ-WP8333V1
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5250 MHz – 5350 MHz 5470 MHz – 5725 MHz
Applicant	:	LITE-ON Technology Corp. Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585 Taiwan
Manufacturer	:	Lite-On Network Communication (Dongguan) Limited 30#Keji Rd.,Yin Hu Industrial Area,Qingxi Town,DongGuan City,Guangdong,China
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☐ Client
TPC Function	:	☒ With TPC ☐ Without TPC

The product sample received on Apr. 26, 2017 and completely tested on Jun. 02, 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.

ilac-MRA TAF Testing Laboratory 1190

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Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.407(a)	Emission Bandwidth	Complied
3.2	15.407(a)	Maximum Conducted Output Power	Complied
3.3	15.407(a)	Peak Power Spectral Density	Complied
3.4	15.407(b)	Unwanted Emissions	Complied
3.5	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR741722-02	Rev. 01	Initial issue of report	Jun. 29, 2017
FR741722-02	Rev. 02	1. Adding the brand name WatchGuard and collocation two model name: AP225, C-110 2. Updating photographs of EUT to “Rer 02” from “Rer 01”	Oct. 06, 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
5250-5350	a, n (HT20), ac (VHT20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 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 Holder	Model Name	Antenna Type	Connector	Radio
1	Master Wave Technology CO., LTD	98P7NPIPF000	PCB Antenna	I-PEX	R1
2	Master Wave Technology CO., LTD	98P7NPIPF001	PCB Antenna	I-PEX	R1
3	Master Wave Technology CO., LTD	98P7PUIPF000	PCB Antenna	I-PEX	R2
4	Master Wave Technology CO., LTD	98P7QUIPF000	PCB Antenna	I-PEX	R2
5	Master Wave Technology CO., LTD	98P7RPIPF000	PCB Antenna	I-PEX	R3
6	Master Wave Technology CO., LTD	98P7RPIPF001	PCB Antenna	I-PEX	R3
7	Master Wave Technology CO., LTD	98P7SMIPF000	PCB Antenna	I-PEX	R4

Ant.	Gain (dBi)												
	Radio 1			Radio 2				Radio 3					Radio 4
	2.4G	5G B1	5G B4	5G B1	5G B2	5G B3	5G B4	2.4G	5G B1	5G B2	5G B3	5G B4	BT
1	6.3	4.3	5.3	-	-	-	-	-	-	-	-	-	-
2	6.5	4.9	6.1	-	-	-	-	-	-	-	-	-	-
3	-	-	-	5.6	5.8	6.1	5.9	-	-	-	-	-	-
4	-	-	-	5.6	6.0	5.4	4.6	-	-	-	-	-	-
5	-	-	-	-	-	-	-	6.5	4.7	4.7	5.6	6.0	-
6	-	-	-	-	-	-	-	6.5	4.8	5.4	5.8	5.5	-
7	-	-	-	-	-	-	-	-	-	-	-	-	2.1

Note1: The EUT has seven antennas.

Note2: The EUT contain Radio 3 (2.4G)/(5G) RF module (Model Name: WM862FEMD FCC ID: PPQ-WM862FEMD)

For 2.4GHz function:

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

Radio 1

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

Radio 3

Ant. 5 (port 1) and Ant. 6 (port 2) could transmit/receive simultaneously.

For 5GHz function:

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

Radio 2

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

Radio 3

Ant. 5 (port 1) and Ant. 6 (port 2) could transmit/receive simultaneously.

For bluetooth function:

For bluetooth mode (1TX/1RX)

Radio 4

Only Ant. 7 (port 1) can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)
802.11a	0.962	0.168
802.11ac VHT20	0.962	0.168
802.11ac VHT40	0.935	0.292
802.11ac VHT80	0.827	0.825

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
LITE-ON	WP8333V1	All the models are identical, the difference model name for difference brand served as marketing strategy.
MOJO	C-110	
WatchGuard	AP225, C-110	

From the above models, model: WP8333V1 was selected as representative model for the test and its data was recorded in this report.

1.1.6 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR741722AB

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. For Radio 2 Add Band 2 and Band 3 (5250~5350 MHz, 5470~5725 MHz) for this device	1. Emission Bandwidth 2. Maximum Conducted Output Power 3. Peak Power Spectral Density 4. Unwanted Emissions above 1GHz 5. Frequency Stability
2. Adding the brand name WatchGuard and collocation two model name: AP225, C-110.	Do not effect the test results

1.1.7 Table for Explanation of Flash

EUT No.	Brand name	Model name	Flash
1	winbond	25Q256JVFQ	32M+32M
2	MXIC	MX25L51245GMI-08G	64M

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 789033 D02 v01r04
- FCC KDB 644545 D03 v01
- FCC KDB 662911 D01 v02r01

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	Ron Huang	23°C / 70%	May 15, 2017 ~ Jun. 02, 2017
Radiated	03CH01-CB	Welson Chen	22°C / 54%	May 11, 2017 ~ May 18, 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
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%
Frequency Stability	6.06×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_(6Mbps)_2TX	-
5260MHz	18
5300MHz	17.5
5320MHz	17.5
5500MHz	18.5
5580MHz	18
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	19.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	18
5300MHz	18
5320MHz	18
5500MHz	18.5
5580MHz	18
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	19.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	20.5
5310MHz	20.5
5510MHz	20
5550MHz	21
5670MHz	20.5
5710MHz Straddle 5.47-5.725GHz	21
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	20.5
5530MHz	20.5
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	21.5

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT 2 in Y axis

Note: The PoE and Adapter were for measurement only, would not be marketed.

The PoE and Adapter information as below:

Support Unit	Brand	Model Number
PoE	Ruckus	740-64214-001
Adapter	APD	WB-18D12FU

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: 03CH01-CB

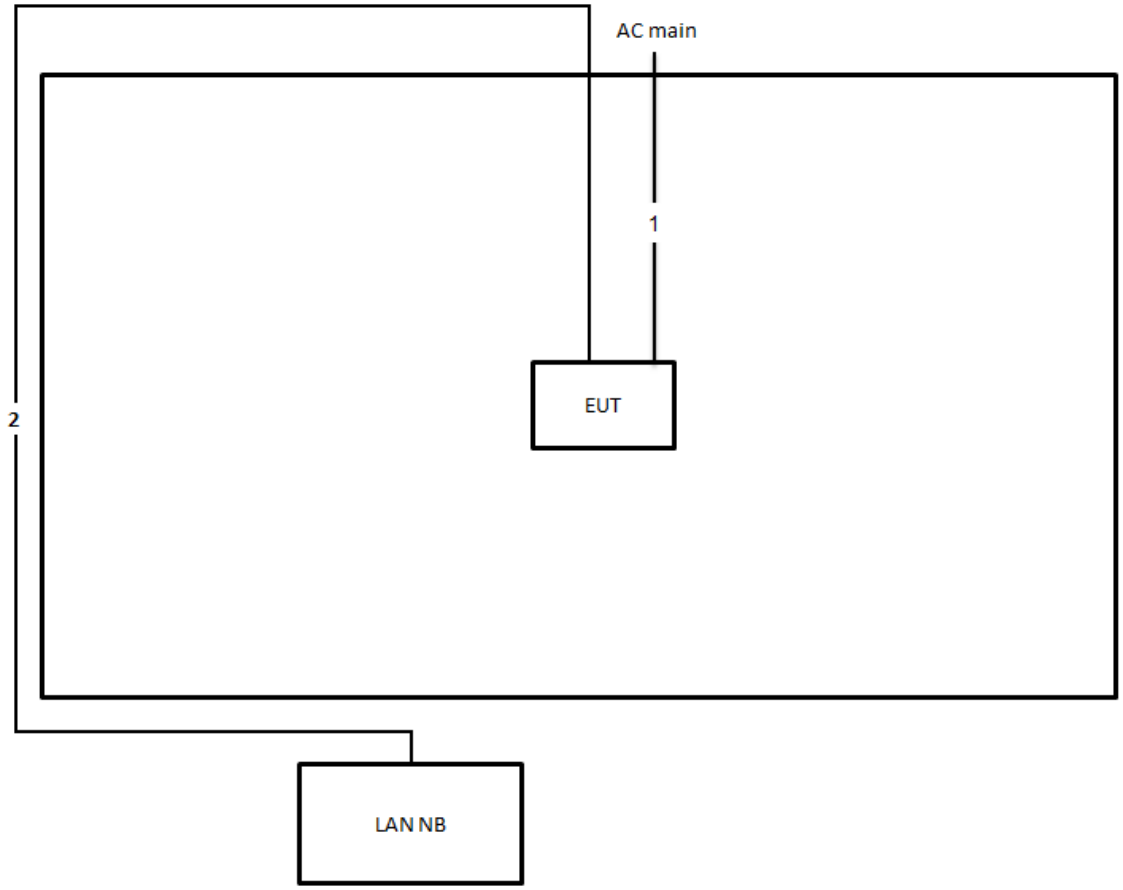
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC
2	Adapter	APD	WB-18D12FU	DoC

For Test Site No: TH01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC
2	Adapter	APD	WB-18D12FU	DoC

2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

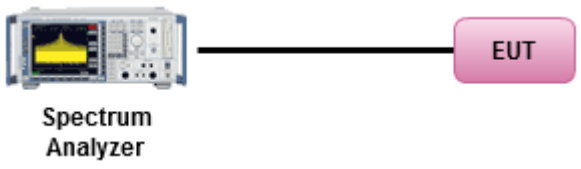
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☒	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup

Emission Bandwidth


3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.2.2 Measuring Instruments

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

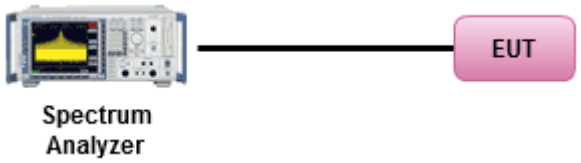
3.2.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

For Straddle channel:

RF Output Power (Spectrum Analyzer)



For Other channel:

RF Output Power (Power Meter)

3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

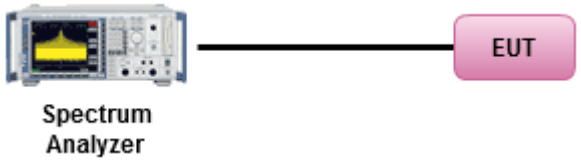
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	[duty cycle ≥ 98% or external video / power trigger]	
	☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with 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.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note 1: 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).

3.4.2 Measuring Instruments

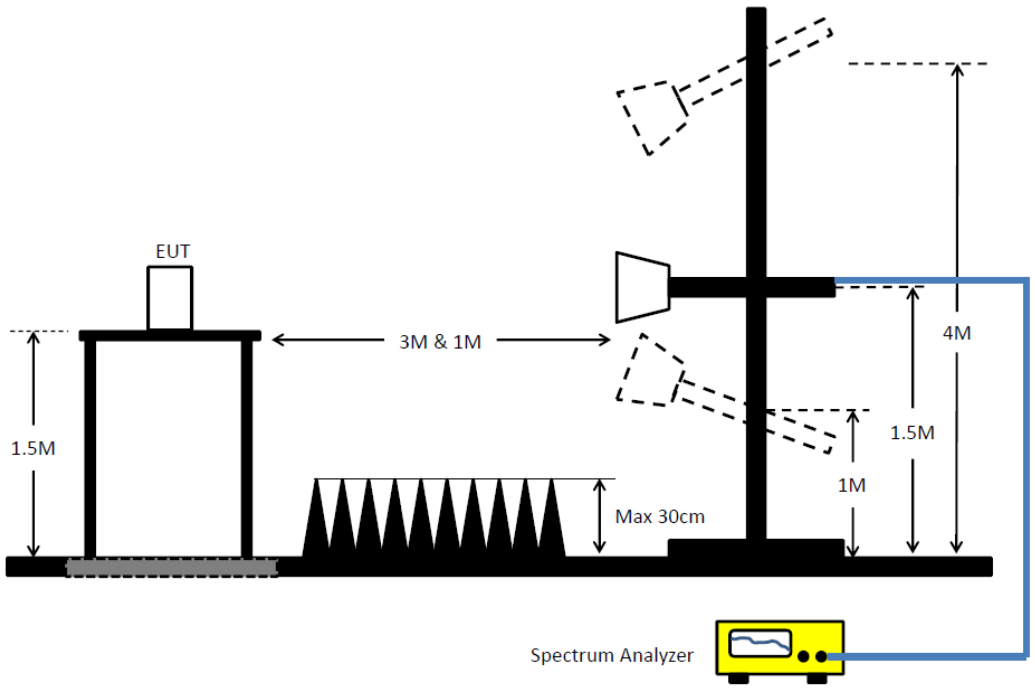
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
▪ 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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
		☐ 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 789033, clause H)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

3.4.4 Test Setup

Transmitter Radiated Unwanted Emissions
Above 1GHz



3.4.5 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

3.5 Frequency Stability

3.5.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
▪ N/A
IEEE Std. 802.11
▪ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

3.5.2 Measuring Instruments

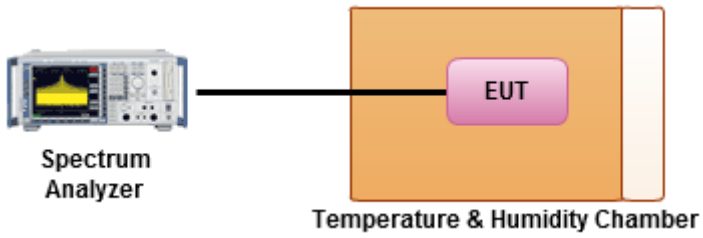
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	▪ Frequency stability with respect to ambient temperature
	▪ Frequency stability when varying supply voltage
	▪ Extreme temperature is 0℃~45℃.

3.5.4 Test Setup

Frequency Stability



3.5.5 Test Result of Frequency Stability

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
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)
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)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 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)
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)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 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.

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_2TX	-	-	-	-	-
5.25-5.35GHz	19.425M	16.525M	16M5D1D	18.95M	16.45M
5.47-5.725GHz	19.3M	16.525M	16M5D1D	14.49M	13.208M
5.725-5.85GHz	3.16M	3.358M	3M36D1D	3.16M	3.358M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
5.25-5.35GHz	20.35M	17.7M	17M7D1D	20.1M	17.65M
5.47-5.725GHz	20.3M	17.7M	17M7D1D	15.015M	13.808M
5.725-5.85GHz	3.78M	3.898M	3M90D1D	3.76M	3.878M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-
5.25-5.35GHz	40.8M	36.35M	36M3D1D	40.6M	36.2M
5.47-5.725GHz	40.75M	36.35M	36M3D1D	34.685M	32.849M
5.725-5.85GHz	3.14M	3.438M	3M44D1D	3.14M	3.418M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-
5.25-5.35GHz	83.6M	75.9M	75M9D1D	83.3M	75.7M
5.47-5.725GHz	83.4M	75.8M	75M8D1D	76.275M	72.414M
5.725-5.85GHz	3.14M	4.118M	4M12D1D	3.14M	4.078M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

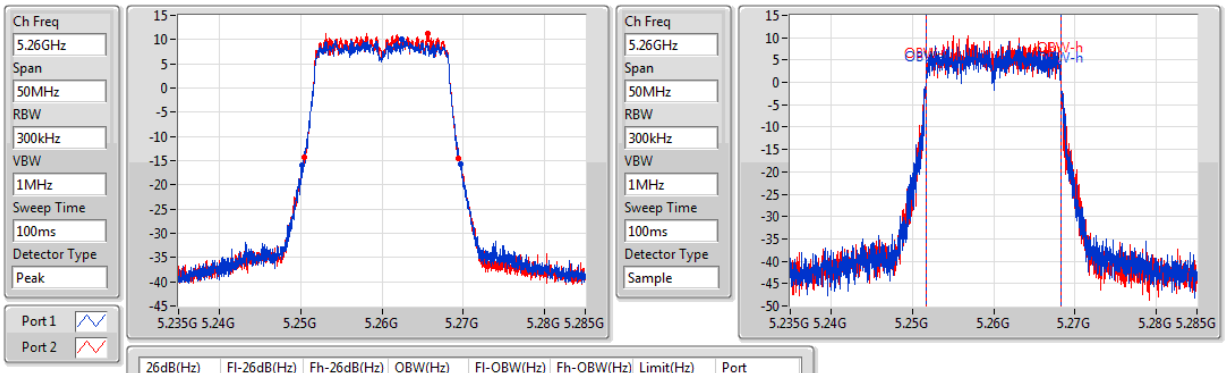
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.425M	16.525M	18.95M	16.475M
5300MHz	Pass	Inf	19.35M	16.475M	19.125M	16.525M
5320MHz	Pass	Inf	19.425M	16.45M	19.175M	16.5M
5500MHz	Pass	Inf	19.2M	16.5M	18.975M	16.475M
5580MHz	Pass	Inf	19.3M	16.45M	19.1M	16.525M
5700MHz	Pass	Inf	19.3M	16.5M	19.025M	16.45M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.64M	13.223M	14.49M	13.208M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.358M	3.16M	3.358M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.35M	17.7M	20.25M	17.675M
5300MHz	Pass	Inf	20.175M	17.7M	20.3M	17.65M
5320MHz	Pass	Inf	20.1M	17.65M	20.35M	17.675M
5500MHz	Pass	Inf	20.175M	17.625M	20.3M	17.65M
5580MHz	Pass	Inf	20.175M	17.675M	20.2M	17.6M
5700MHz	Pass	Inf	20.25M	17.7M	20.225M	17.625M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.015M	13.808M	15.015M	13.823M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	3.878M	3.78M	3.898M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.7M	36.25M	40.65M	36.2M
5310MHz	Pass	Inf	40.6M	36.25M	40.8M	36.35M
5510MHz	Pass	Inf	40.45M	36.3M	40.75M	36.15M
5550MHz	Pass	Inf	40.5M	36.35M	40.75M	36.25M
5670MHz	Pass	Inf	40.6M	36.15M	40.7M	36.2M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.685M	32.849M	34.685M	32.849M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.418M	3.14M	3.438M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	83.6M	75.7M	83.3M	75.9M
5530MHz	Pass	Inf	83.1M	75.8M	83.4M	75.7M
5610MHz	Pass	Inf	83.3M	75.6M	83.3M	75.8M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	72.414M	76.575M	72.414M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.118M	3.14M	4.078M

Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_(6Mbps)_2TX EBW

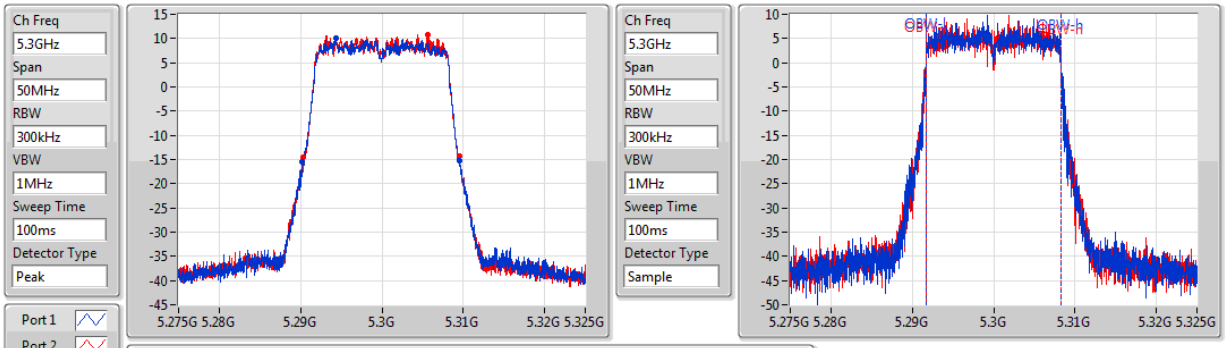
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.425M	5.2502G	5.269625G	16.525M	5.251725G	5.26825G	Inf	1
18.95M	5.250475G	5.269425G	16.475M	5.25175G	5.268225G	Inf	2

802.11a_(6Mbps)_2TX EBW

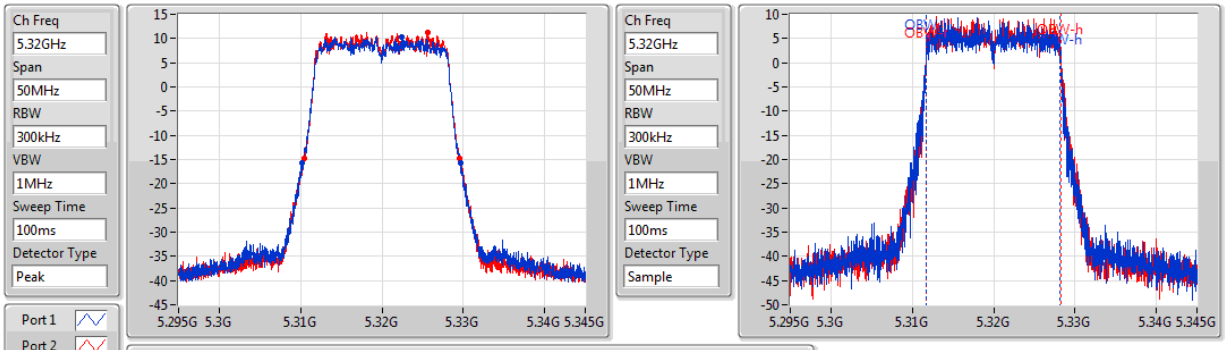
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.35M	5.290225G	5.309575G	16.475M	5.29175G	5.308225G	Inf	1
19.125M	5.29035G	5.309475G	16.525M	5.2917G	5.308225G	Inf	2

802.11a_(6Mbps)_2TX EBW

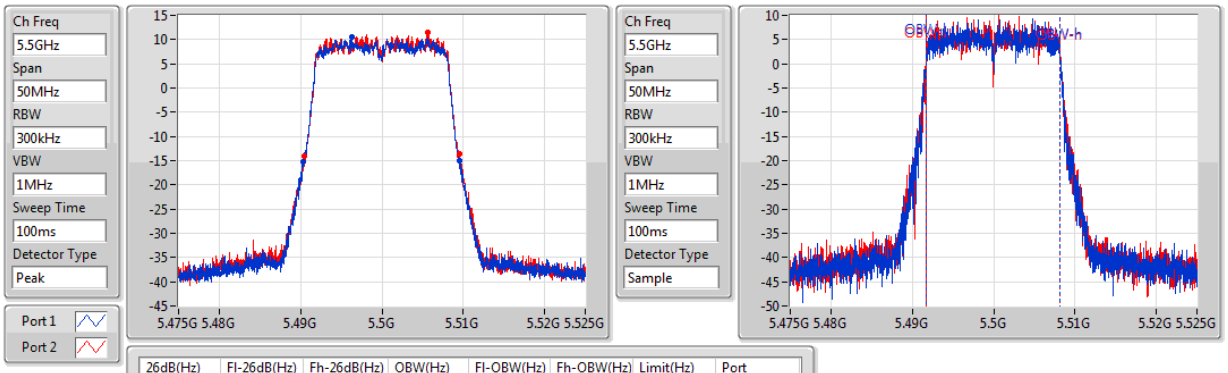
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.425M	5.310225G	5.32965G	16.45M	5.31175G	5.3282G	Inf	1
19.175M	5.310425G	5.3296G	16.5M	5.311725G	5.328225G	Inf	2

802.11a_(6Mbps)_2TX EBW

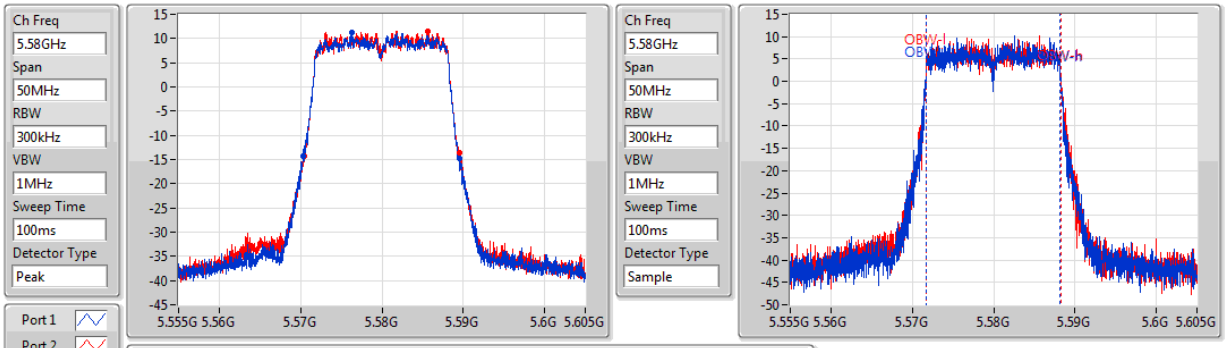
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	5.4903G	5.5095G	16.5M	5.4917G	5.5082G	Inf	1
18.975M	5.4905G	5.509475G	16.475M	5.491725G	5.5082G	Inf	2

802.11a_(6Mbps)_2TX EBW

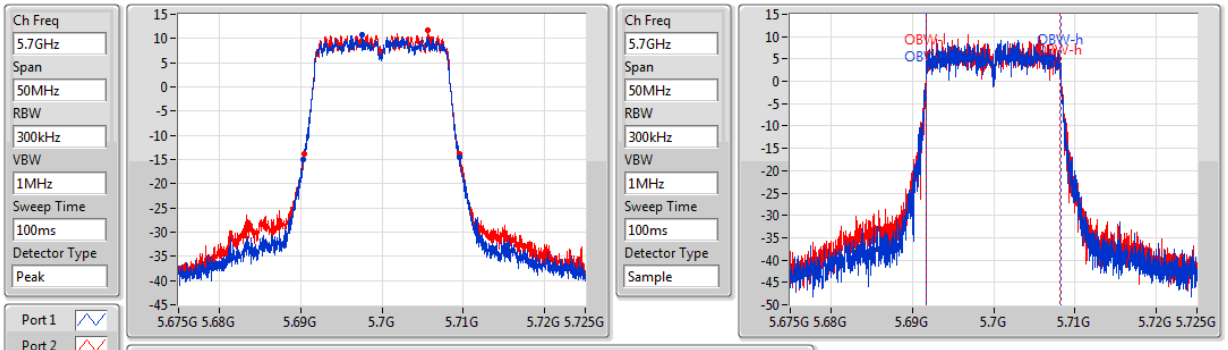
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.3M	5.570275G	5.589575G	16.45M	5.571725G	5.588175G	Inf	1
19.1M	5.57045G	5.58955G	16.525M	5.5717G	5.588225G	Inf	2

802.11a_(6Mbps)_2TX EBW

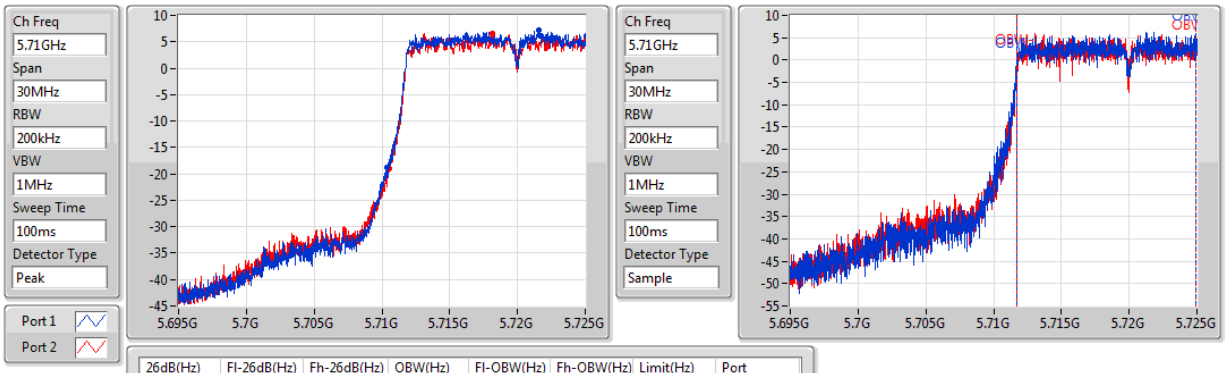
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.3M	5.6903G	5.7096G	16.5M	5.691725G	5.708225G	Inf	1
19.025M	5.690525G	5.70955G	16.45M	5.69175G	5.7082G	Inf	2

802.11a_(6Mbps)_2TX — EBW

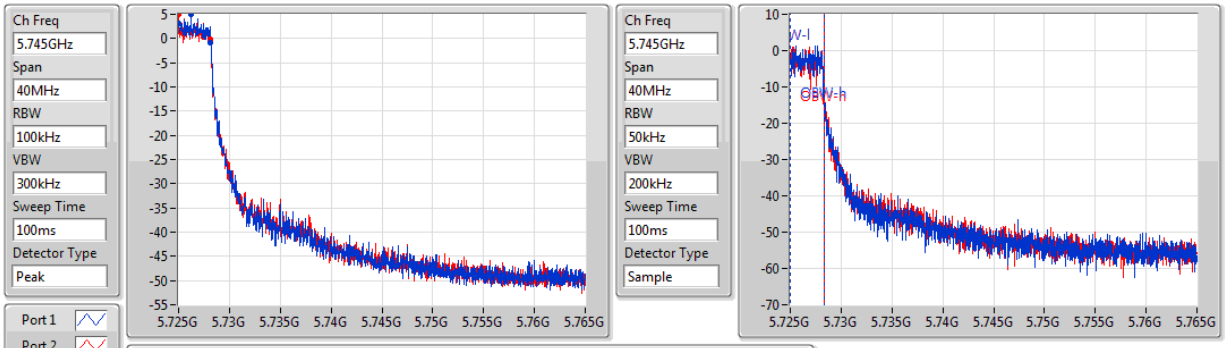
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.64M	5.71036G	5.725G	13.223M	5.711724G	5.724948G	Inf	1
14.49M	5.71051G	5.725G	13.208M	5.711739G	5.724948G	Inf	2

802.11a_(6Mbps)_2TX — EBW

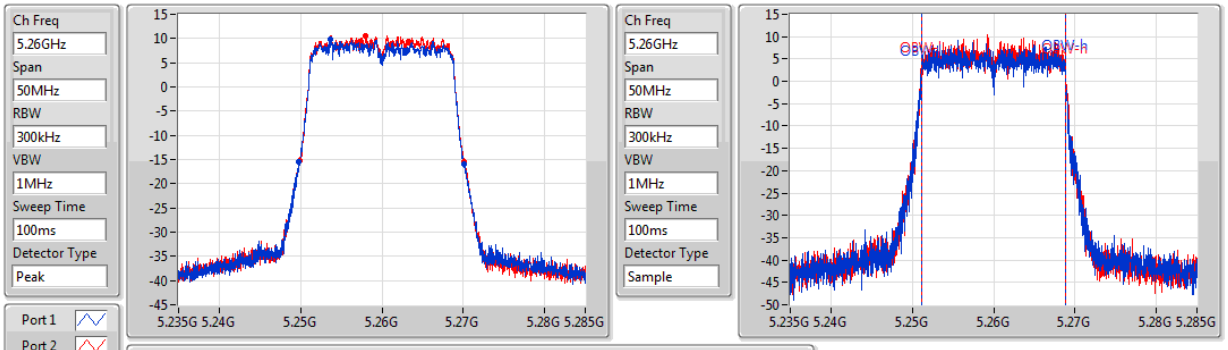
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.16M	5.725G	5.72816G	3.358M	5.72501G	5.728368G	500k	1
3.16M	5.725G	5.72816G	3.358M	5.72501G	5.728368G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

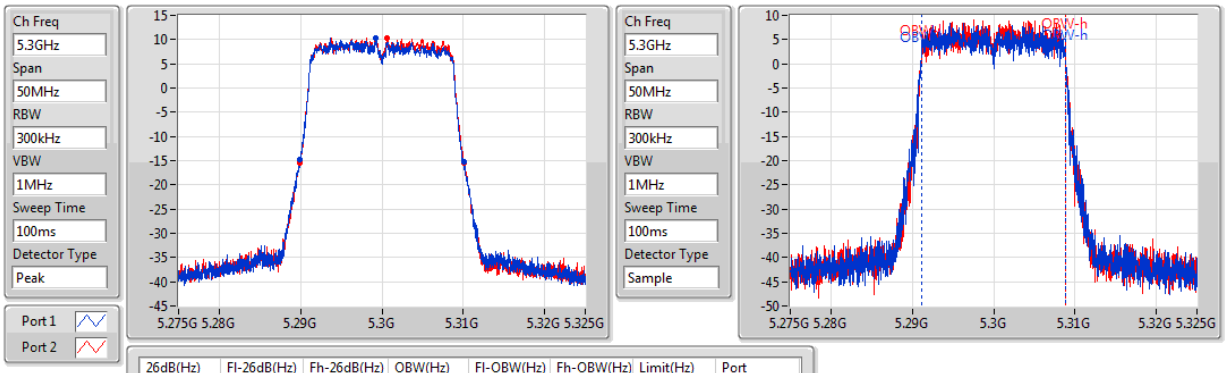
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.35M	5.2498G	5.27015G	17.7M	5.2511G	5.2688G	Inf	1
20.25M	5.249875G	5.270125G	17.675M	5.251125G	5.2688G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

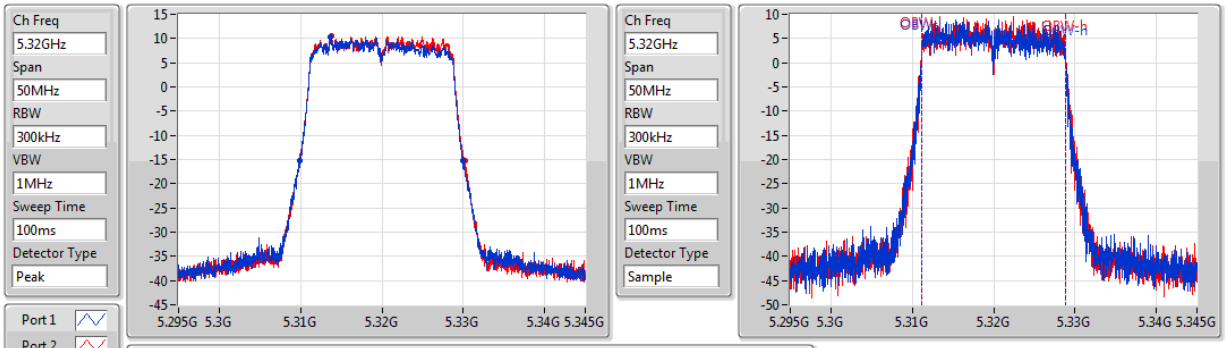
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.175M	5.289875G	5.31005G	17.7M	5.291125G	5.308825G	Inf	1
20.3M	5.28985G	5.31015G	17.65M	5.29115G	5.3088G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

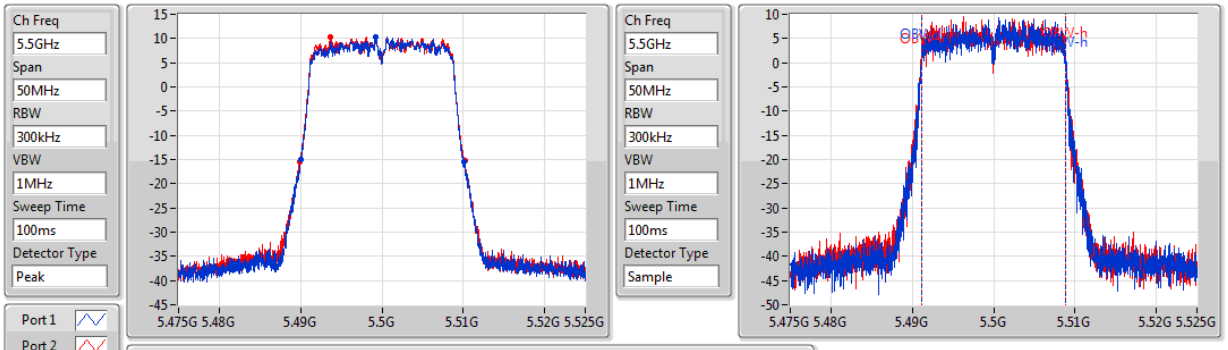
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.1M	5.30985G	5.32995G	17.65M	5.31115G	5.3288G	Inf	1
20.35M	5.30985G	5.3302G	17.675M	5.31115G	5.328825G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

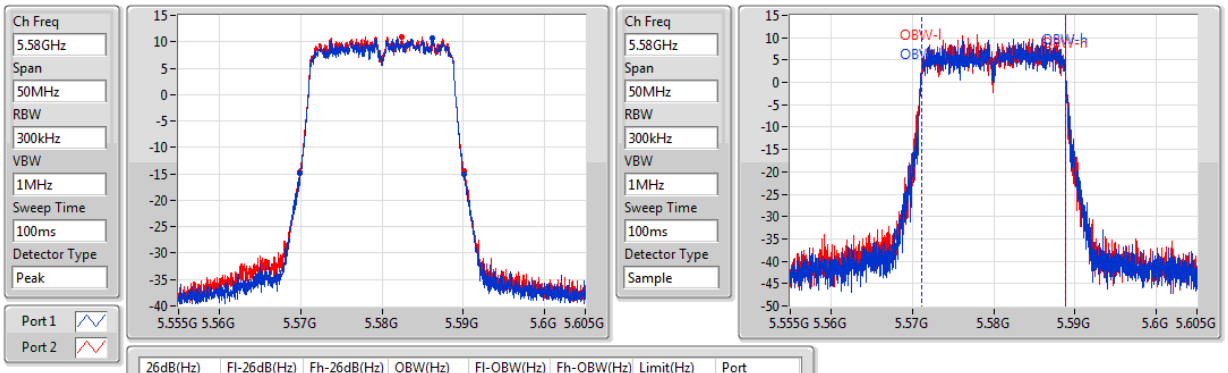
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.175M	5.489975G	5.51015G	17.625M	5.491175G	5.5088G	Inf	1
20.3M	5.489875G	5.510175G	17.65M	5.49115G	5.5088G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

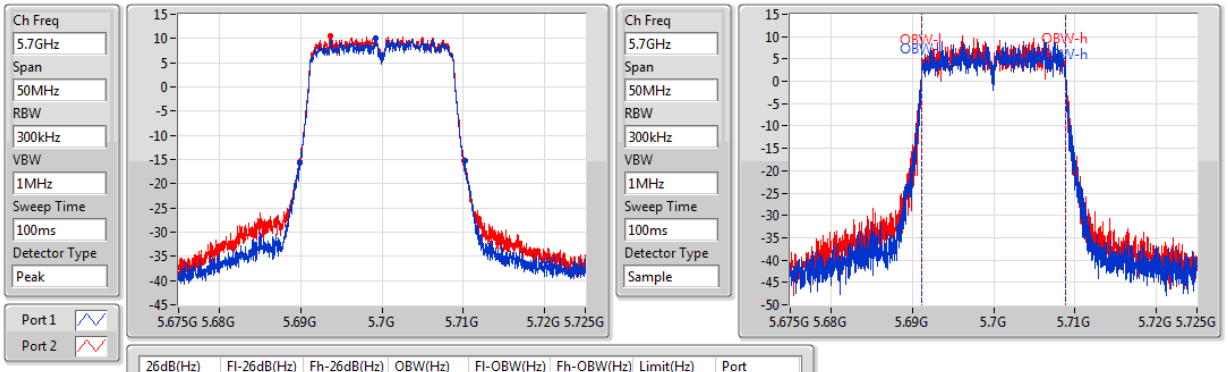
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.175M	5.569925G	5.5901G	17.675M	5.57115G	5.588825G	Inf	1
20.2M	5.569925G	5.590125G	17.6M	5.571175G	5.588775G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

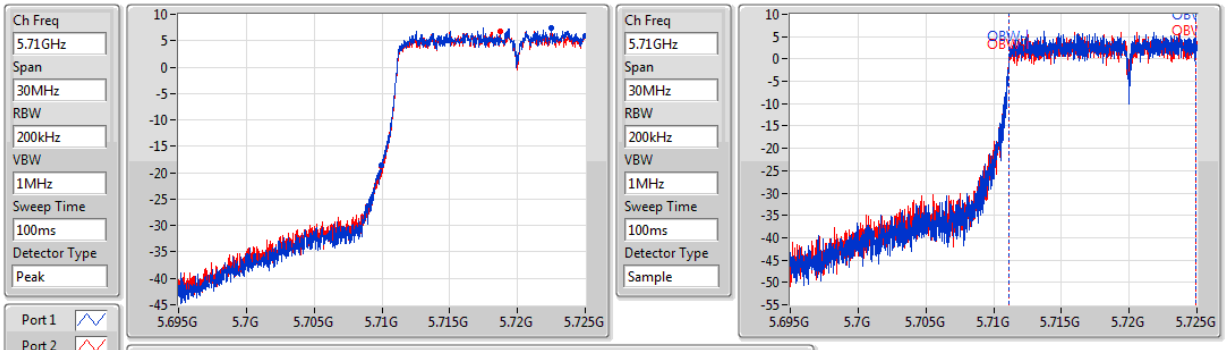
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	5.689925G	5.710175G	17.7M	5.691125G	5.708825G	Inf	1
20.225M	5.68985G	5.710075G	17.625M	5.691175G	5.7088G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

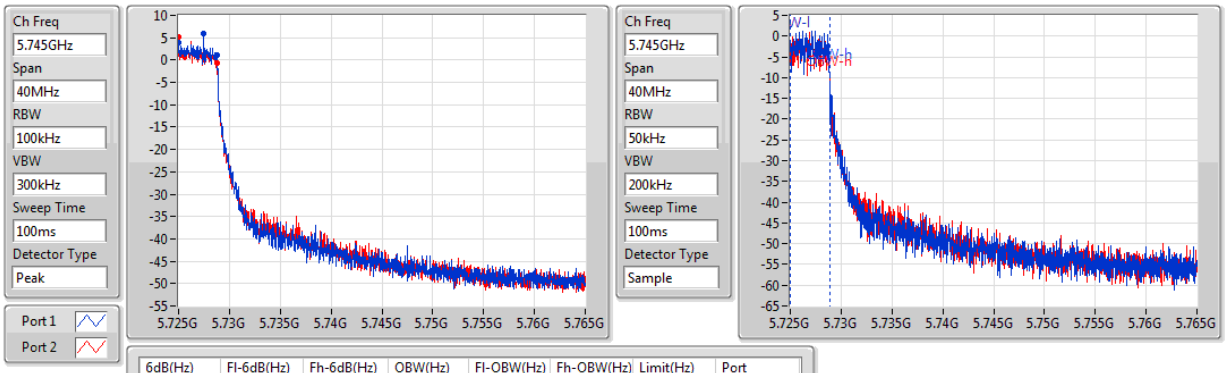
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.015M	5.709985G	5.725G	13.808M	5.711124G	5.724933G	Inf	1
15.015M	5.709985G	5.725G	13.823M	5.711124G	5.724948G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

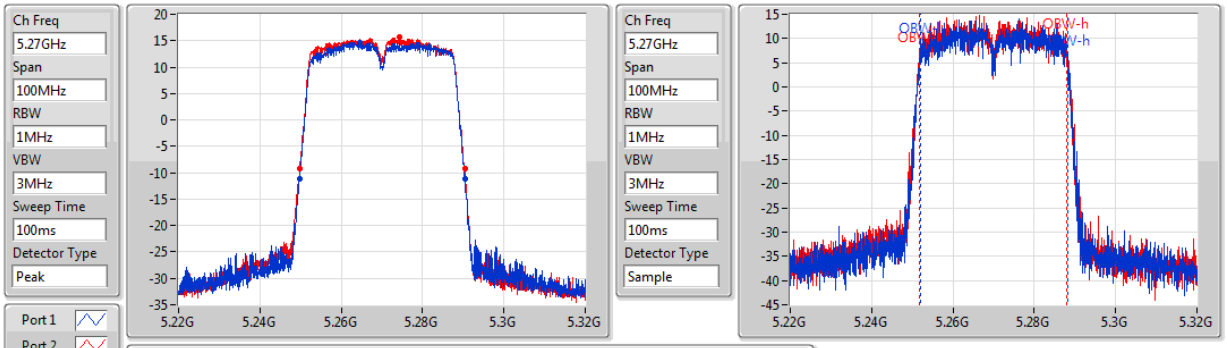
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.76M	5.725G	5.72876G	3.878M	5.72501G	5.728888G	500k	1
3.78M	5.725G	5.72878G	3.898M	5.72501G	5.728908G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

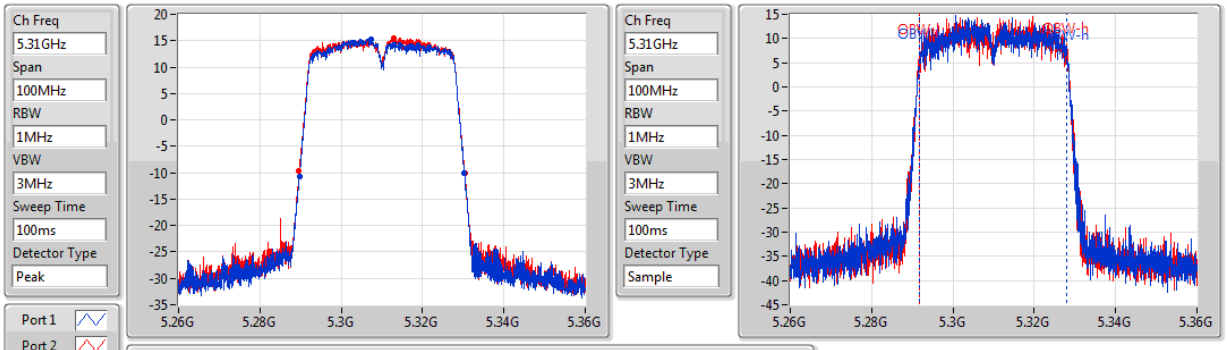
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.7M	5.2497G	5.2904G	36.25M	5.2519G	5.28815G	Inf	1
40.65M	5.24975G	5.2904G	36.2M	5.25185G	5.28805G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

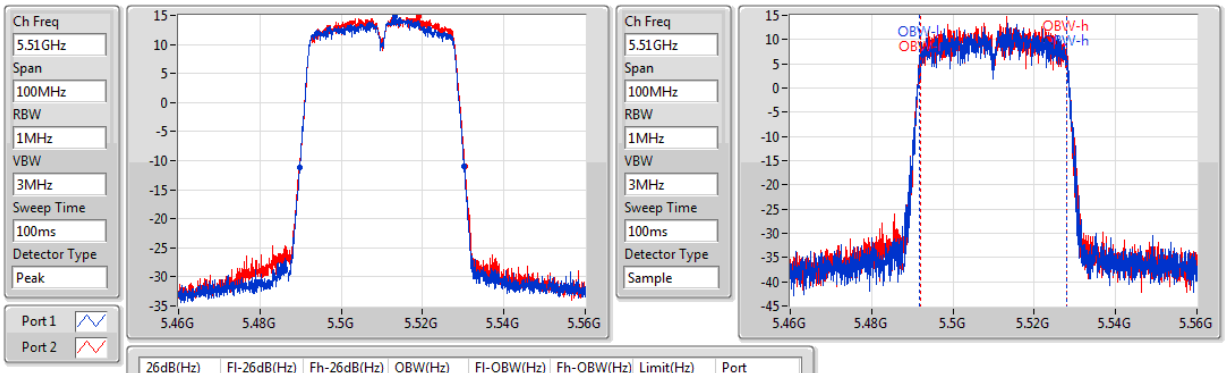
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.6M	5.2897G	5.3303G	36.25M	5.29185G	5.3281G	Inf	1
40.8M	5.28965G	5.33045G	36.35M	5.29175G	5.3281G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

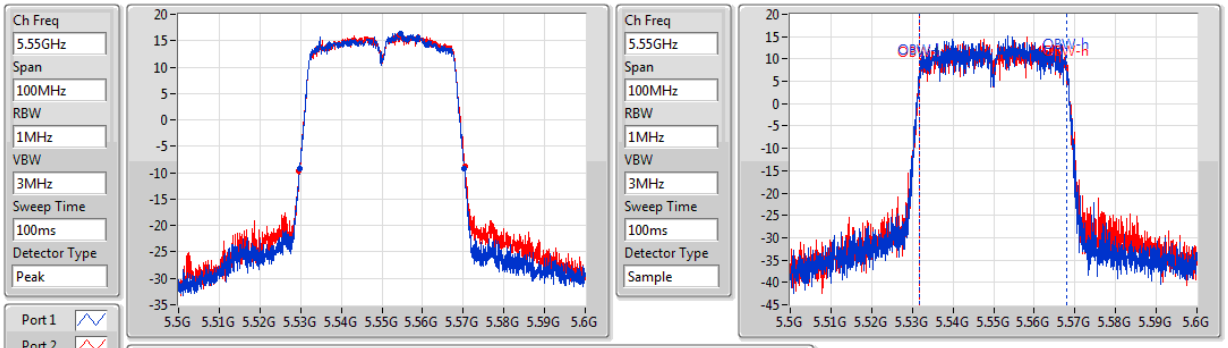
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.45M	5.48975G	5.5302G	36.3M	5.4918G	5.5281G	Inf	1
40.75M	5.4897G	5.53045G	36.15M	5.4919G	5.52805G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

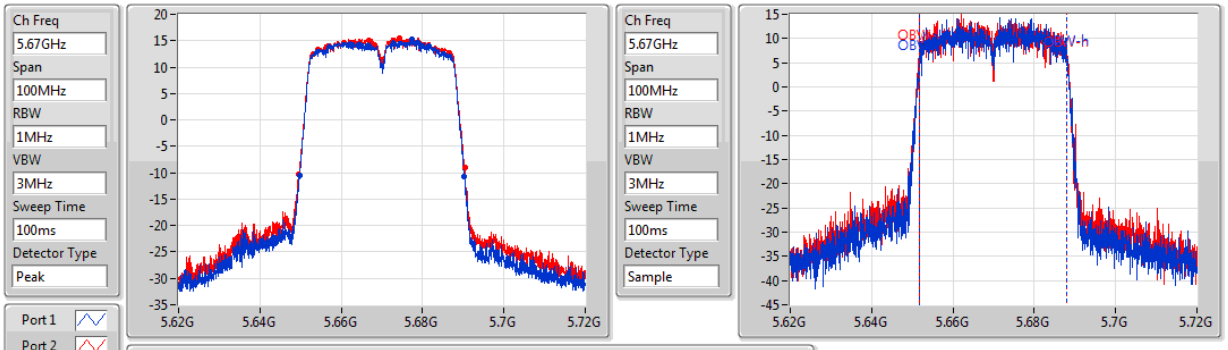
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.5298G	5.5703G	36.35M	5.53175G	5.5681G	Inf	1
40.75M	5.52965G	5.5704G	36.25M	5.53185G	5.5681G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

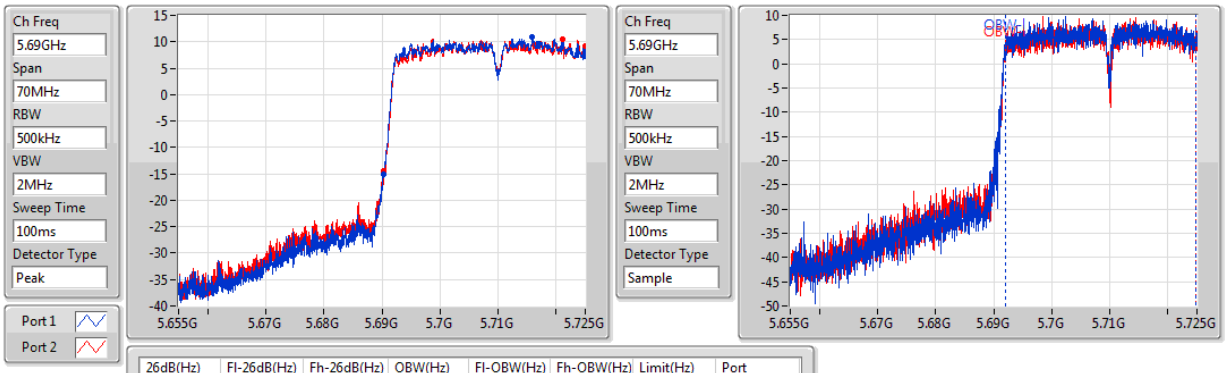
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.6M	5.6497G	5.6903G	36.15M	5.65185G	5.688G	Inf	1
40.7M	5.64965G	5.69035G	36.2M	5.65185G	5.68805G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW

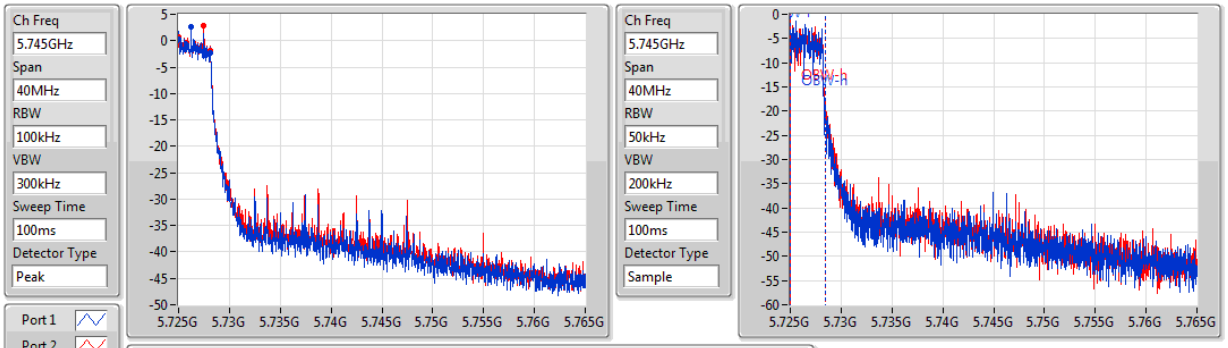
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.685M	5.690315G	5.725G	32.849M	5.691959G	5.724808G	Inf	1
34.685M	5.690315G	5.725G	32.849M	5.691994G	5.724843G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW

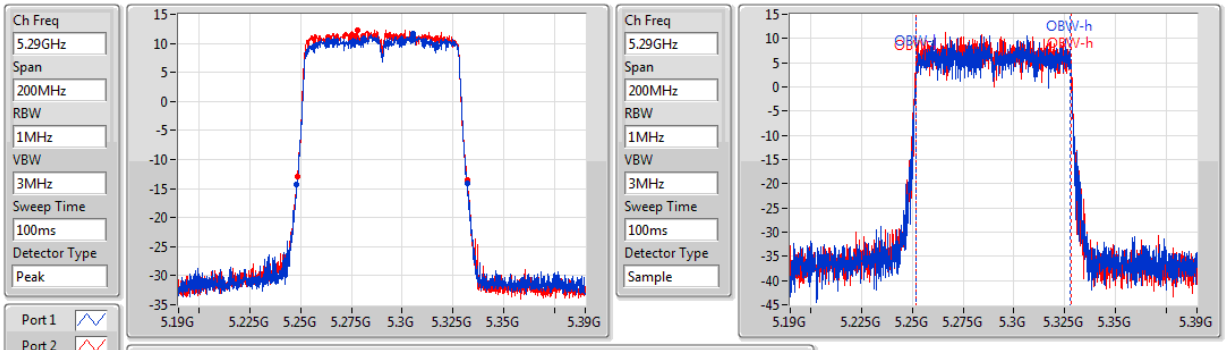
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	3.418M	5.72501G	5.728428G	500k	1
3.14M	5.725G	5.72814G	3.438M	5.72501G	5.728448G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW

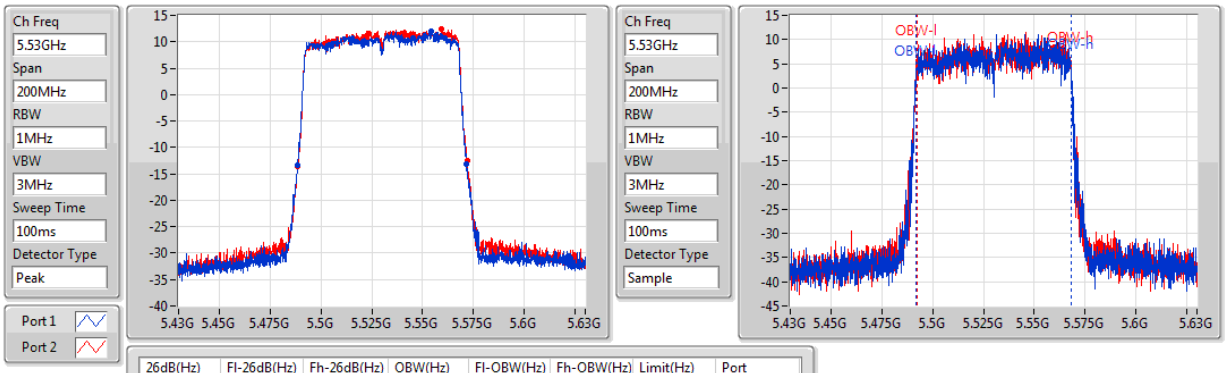
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.6M	5.2482G	5.3318G	75.7M	5.2521G	5.3278G	Inf	1
83.3M	5.2485G	5.3318G	75.9M	5.252G	5.3279G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

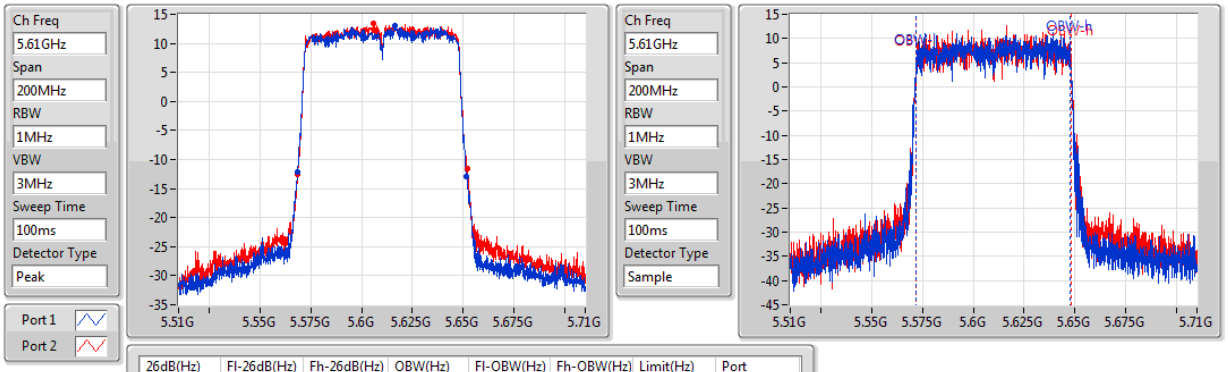
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.1M	5.4885G	5.5716G	75.8M	5.4921G	5.5679G	Inf	1
83.4M	5.4885G	5.5719G	75.7M	5.4922G	5.5679G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

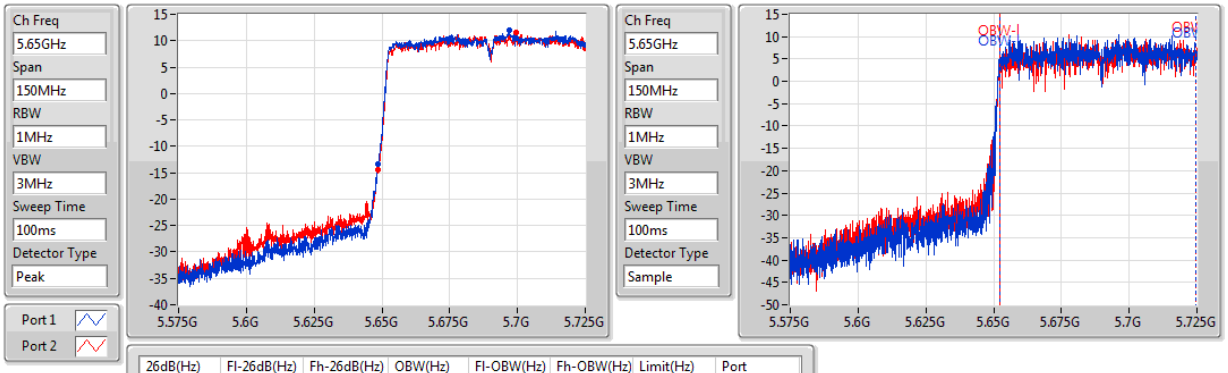
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.3M	5.5684G	5.6517G	75.6M	5.5721G	5.6477G	Inf	1
83.3M	5.5686G	5.6519G	75.8M	5.5721G	5.6479G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

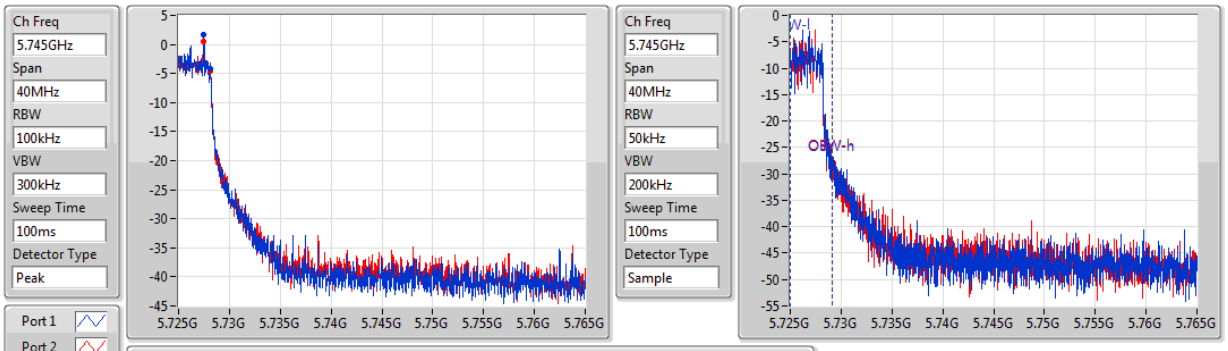
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.275M	5.648725G	5.725G	72.414M	5.652174G	5.724588G	Inf	1
76.575M	5.648425G	5.725G	72.414M	5.652249G	5.724663G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	4.118M	5.72501G	5.729128G	500k	1
3.14M	5.725G	5.72814G	4.078M	5.72501G	5.729088G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
802.11a_(6Mbps)_2TX	-	-
5.25-5.35GHz	21.35	0.13646
5.47-5.725GHz	21.46	0.13996
5.725-5.85GHz	13.99	0.02506
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-
5.25-5.35GHz	21.57	0.14355
5.47-5.725GHz	21.43	0.13900
5.725-5.85GHz	14.70	0.02951
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-
5.25-5.35GHz	23.96	0.24889
5.47-5.725GHz	23.87	0.24378
5.725-5.85GHz	11.36	0.01368
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-
5.25-5.35GHz	23.77	0.23823
5.47-5.725GHz	23.87	0.24378
5.725-5.85GHz	9.48	0.00887

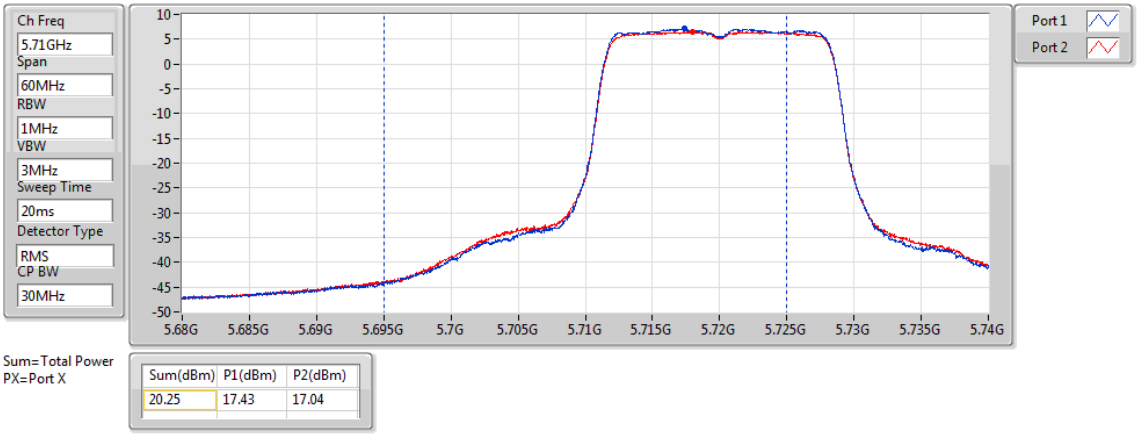
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.00	18.03	18.62	21.35	23.78
5300MHz	Pass	6.00	17.76	18.37	21.09	23.82
5320MHz	Pass	6.00	17.75	18.42	21.11	23.83
5500MHz	Pass	6.10	18.04	18.17	21.12	23.68
5580MHz	Pass	6.10	18.09	18.18	21.15	23.71
5700MHz	Pass	6.10	18.21	18.68	21.46	23.69
5720MHz Straddle 5.47-5.725GHz	Pass	6.10	17.43	17.04	20.25	22.51
5720MHz Straddle 5.725-5.85GHz	Pass	5.90	11.21	10.74	13.99	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.00	18.01	18.62	21.34	23.98
5300MHz	Pass	6.00	18.14	18.73	21.46	23.98
5320MHz	Pass	6.00	18.32	18.79	21.57	23.98
5500MHz	Pass	6.10	18.08	18.25	21.18	23.88
5580MHz	Pass	6.10	18.06	18.37	21.23	23.88
5700MHz	Pass	6.10	18.17	18.65	21.43	23.88
5720MHz Straddle 5.47-5.725GHz	Pass	6.10	17.45	17.26	20.37	22.67
5720MHz Straddle 5.725-5.85GHz	Pass	5.90	11.96	11.40	14.70	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	6.00	20.65	20.92	23.80	23.98
5310MHz	Pass	6.00	20.76	21.14	23.96	23.98
5510MHz	Pass	6.10	19.51	19.87	22.70	23.88
5550MHz	Pass	6.10	20.81	20.90	23.87	23.88
5670MHz	Pass	6.10	20.75	20.94	23.86	23.88
5710MHz Straddle 5.47-5.725GHz	Pass	6.10	20.09	19.81	22.96	23.88
5710MHz Straddle 5.725-5.85GHz	Pass	5.90	8.24	8.45	11.36	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	6.00	20.54	20.96	23.77	23.98
5530MHz	Pass	6.10	20.03	20.21	23.13	23.88
5610MHz	Pass	6.10	20.78	20.94	23.87	23.88
5690MHz Straddle 5.47-5.725GHz	Pass	6.10	20.85	20.46	23.67	23.88
5690MHz Straddle 5.725-5.85GHz	Pass	5.90	6.46	6.48	9.48	30.00

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

802.11a_(6Mbps)_2TX — AV Power

5720MHz Straddle 5.47-5.725GHz

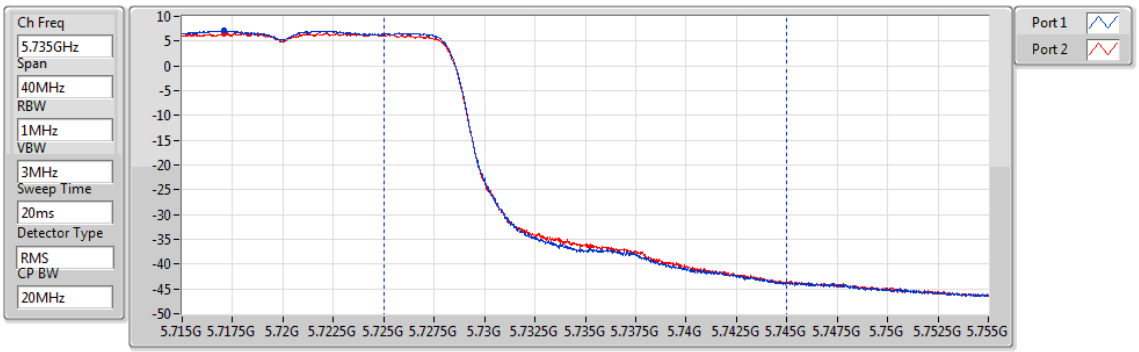


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
20.25	17.43	17.04

802.11a_(6Mbps)_2TX — AV Power

5720MHz Straddle 5.725-5.85GHz

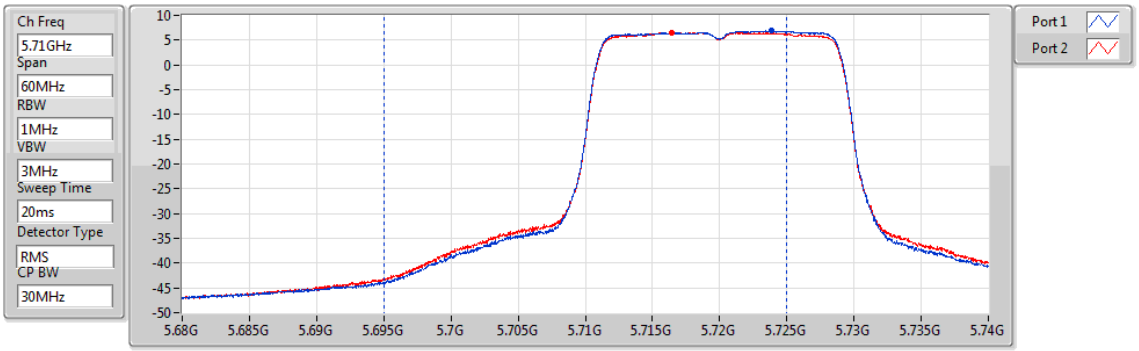


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
13.99	11.21	10.74

802.11ac VHT20_Nss1,(MCS0)_2TX — AV Power

5720MHz Straddle 5.47-5.725GHz

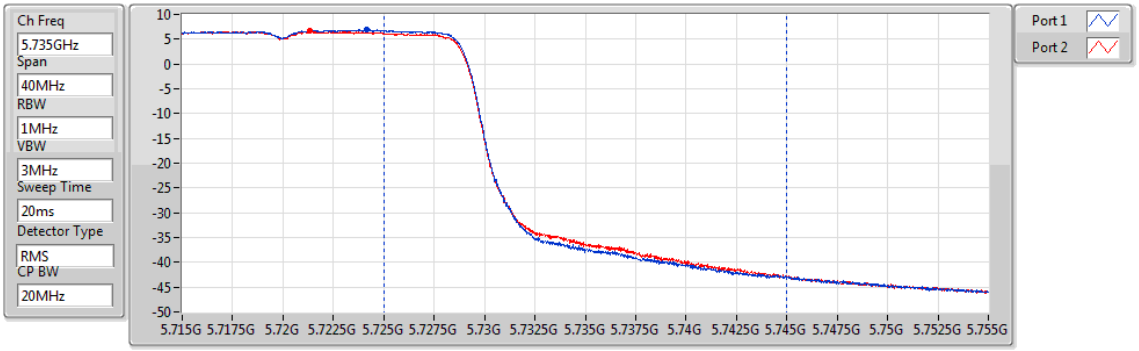


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
20.37	17.45	17.26

802.11ac VHT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.725-5.85GHz

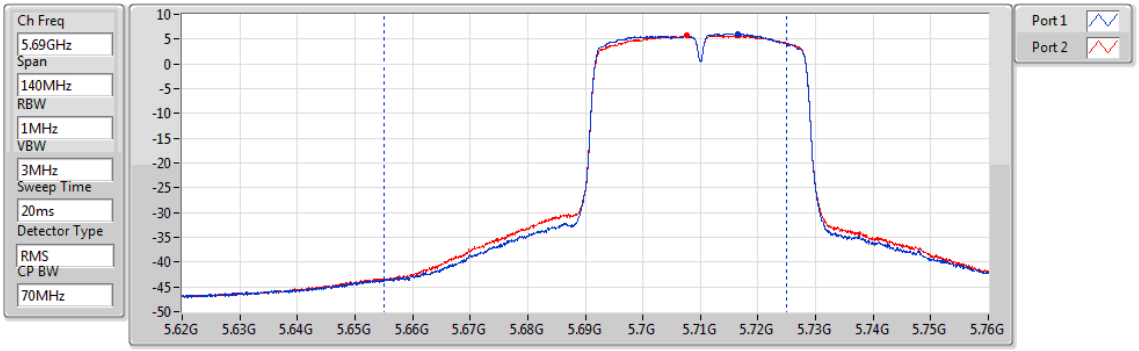


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
14.70	11.96	11.40

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.47-5.725GHz

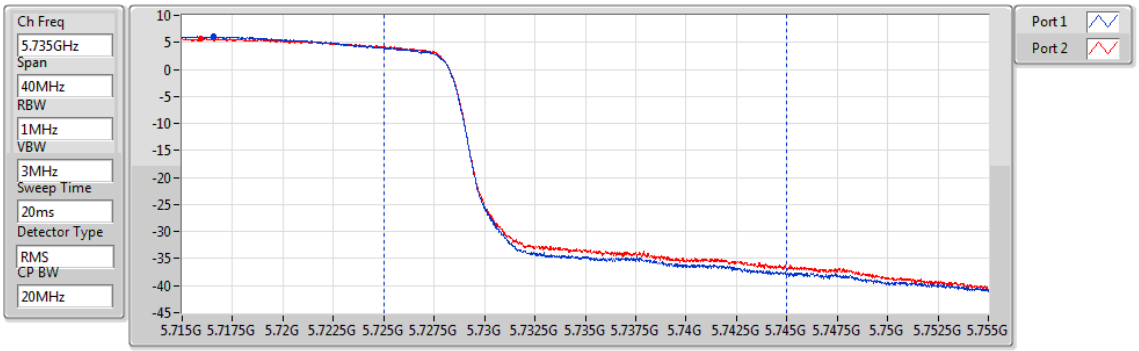


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
22.96	20.09	19.81

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.725-5.85GHz

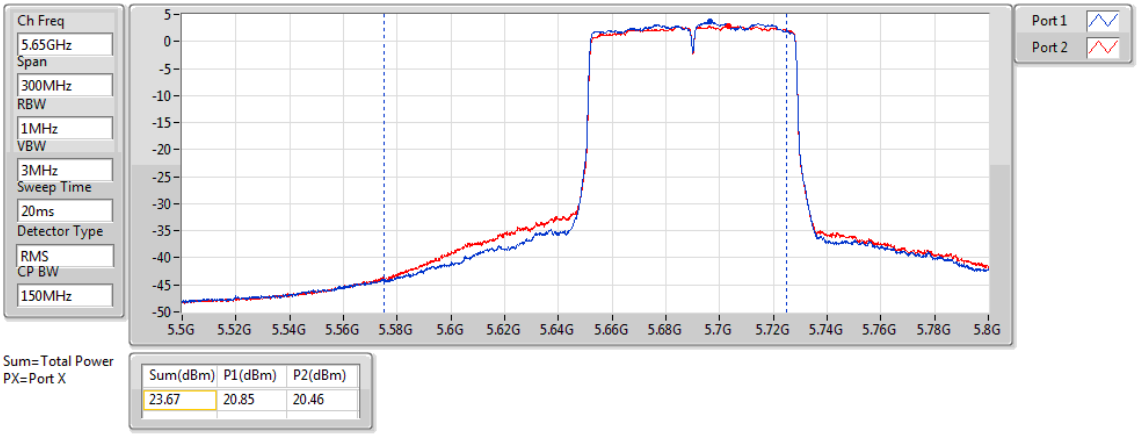


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
11.36	8.24	8.45

802.11ac VHT80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

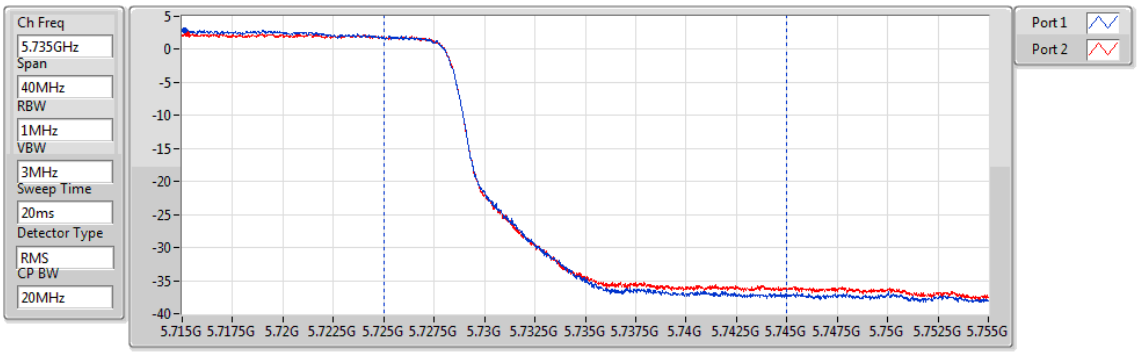


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
23.67	20.85	20.46

802.11ac VHT80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
9.48	6.46	6.48

Summary

Mode	PD (dBm/RBW)
802.11a_(6Mbps)_2TX	-
5.25-5.35GHz	8.08
5.47-5.725GHz	8.22
5.725-5.85GHz	6.45
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5.25-5.35GHz	8.08
5.47-5.725GHz	8.17
5.725-5.85GHz	6.49
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5.25-5.35GHz	7.91
5.47-5.725GHz	8.19
5.725-5.85GHz	4.09
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5.25-5.35GHz	4.62
5.47-5.725GHz	5.49
5.725-5.85GHz	2.05

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

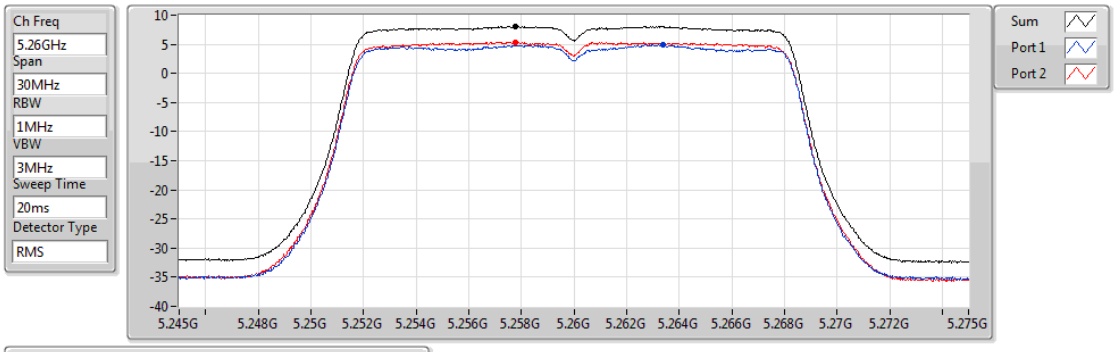
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.91	4.94	5.33	8.08	8.09
5300MHz	Pass	8.91	4.87	4.72	7.72	8.09
5320MHz	Pass	8.91	4.72	5.06	7.73	8.09
5500MHz	Pass	8.77	5.03	5.17	8.02	8.23
5580MHz	Pass	8.77	5.17	5.17	8.12	8.23
5700MHz	Pass	8.77	5.17	5.44	8.22	8.23
5720MHz Straddle 5.47-5.725GHz	Pass	8.77	5.54	4.97	8.21	8.23
5720MHz Straddle 5.725-5.85GHz	Pass	8.28	3.58	3.33	6.45	27.72
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.91	4.63	5.33	7.89	8.09
5300MHz	Pass	8.91	4.93	5.07	7.94	8.09
5320MHz	Pass	8.91	5.03	5.25	8.08	8.09
5500MHz	Pass	8.77	4.96	4.94	7.91	8.23
5580MHz	Pass	8.77	5.04	5.26	8.06	8.23
5700MHz	Pass	8.77	4.99	5.35	8.11	8.23
5720MHz Straddle 5.47-5.725GHz	Pass	8.77	5.41	5.08	8.17	8.23
5720MHz Straddle 5.725-5.85GHz	Pass	8.28	3.78	3.17	6.49	27.72
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	8.91	4.40	5.02	7.61	8.09
5310MHz	Pass	8.91	5.01	4.94	7.91	8.09
5510MHz	Pass	8.77	4.10	4.15	7.06	8.23
5550MHz	Pass	8.77	5.42	5.01	8.19	8.23
5670MHz	Pass	8.77	4.79	5.16	7.87	8.23
5710MHz Straddle 5.47-5.725GHz	Pass	8.77	4.63	4.17	7.38	8.23
5710MHz Straddle 5.725-5.85GHz	Pass	8.28	1.02	1.15	4.09	27.72
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	8.91	1.54	1.74	4.62	8.09
5530MHz	Pass	8.77	1.90	1.83	4.79	8.23
5610MHz	Pass	8.77	2.61	2.61	5.49	8.23
5690MHz Straddle 5.47-5.725GHz	Pass	8.77	2.04	1.17	4.64	8.23
5690MHz Straddle 5.725-5.85GHz	Pass	8.28	-0.95	-0.93	2.05	27.72

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

802.11a_(6Mbps)_2TX PSD

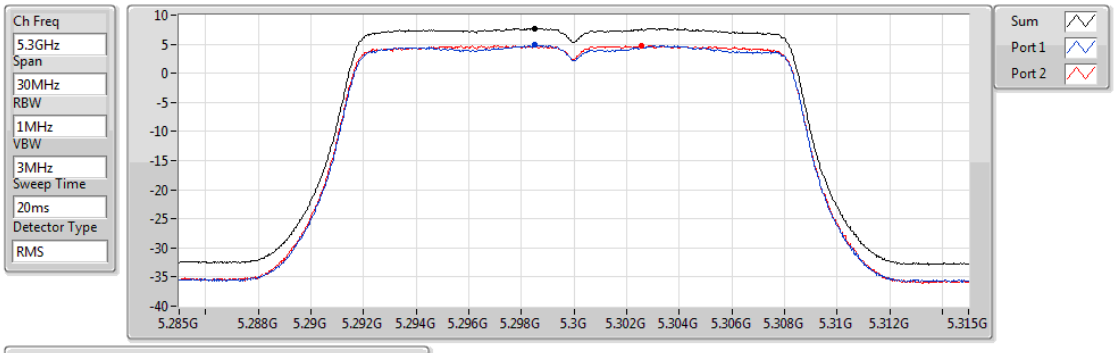
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.08	8.08	4.94	5.33

802.11a_(6Mbps)_2TX PSD

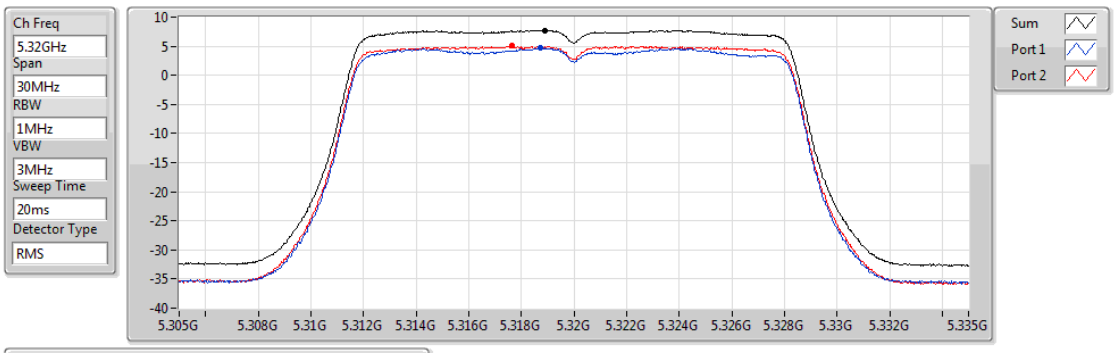
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.72	7.72	4.87	4.72

802.11a_(6Mbps)_2TX PSD

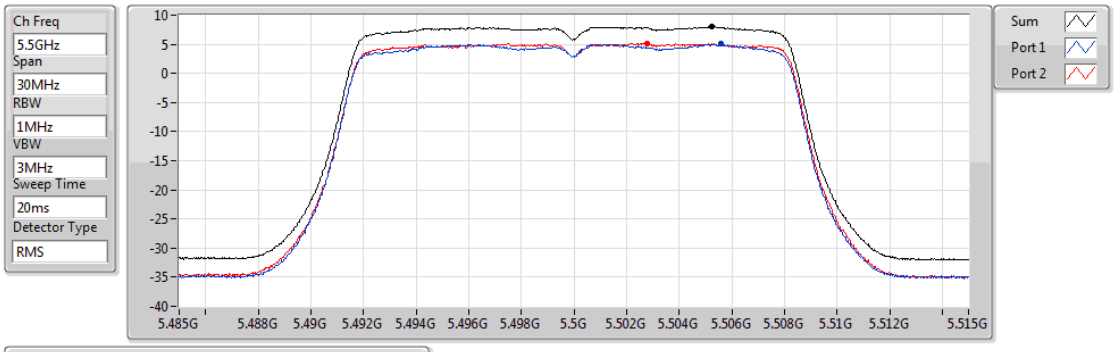
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.73	7.73	4.72	5.06

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

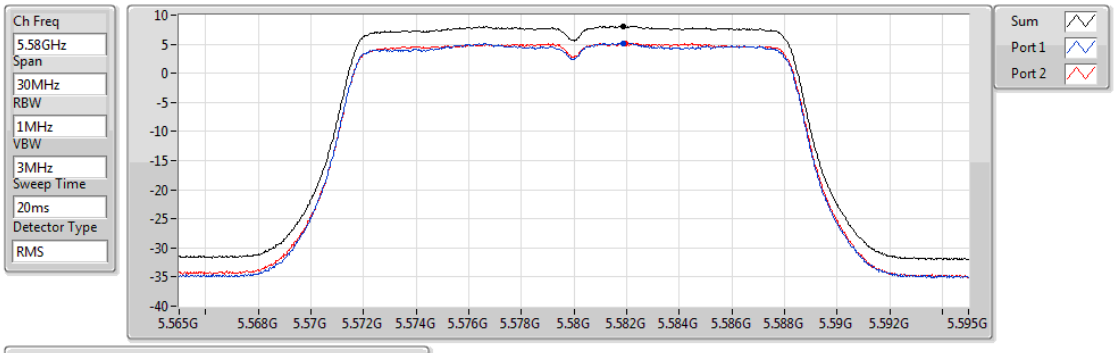
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	5.03	5.17

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

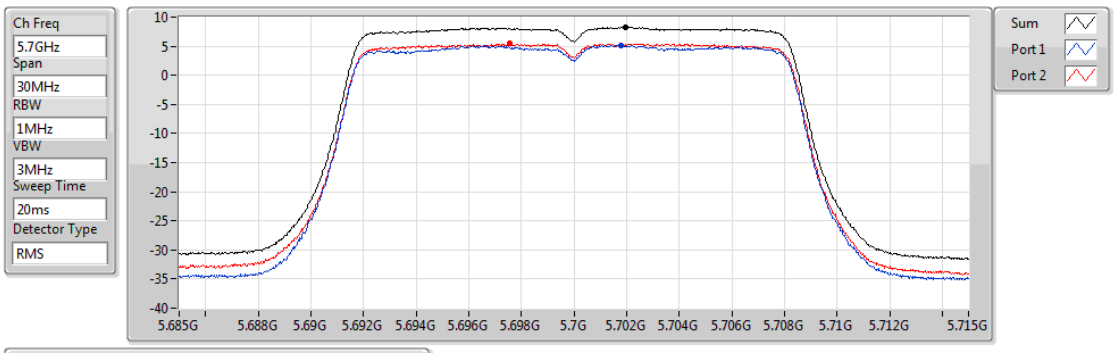
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.12	8.12	5.17	5.17

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

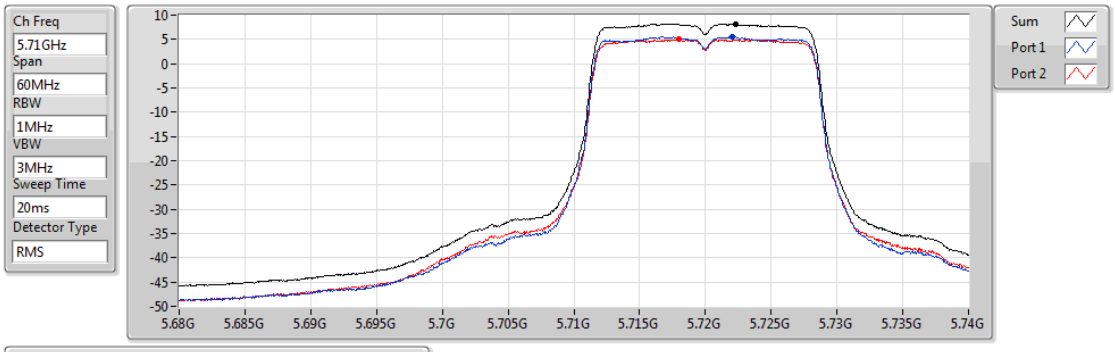
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.22	8.22	5.17	5.44

802.11a_(6Mbps)_2TX PSD

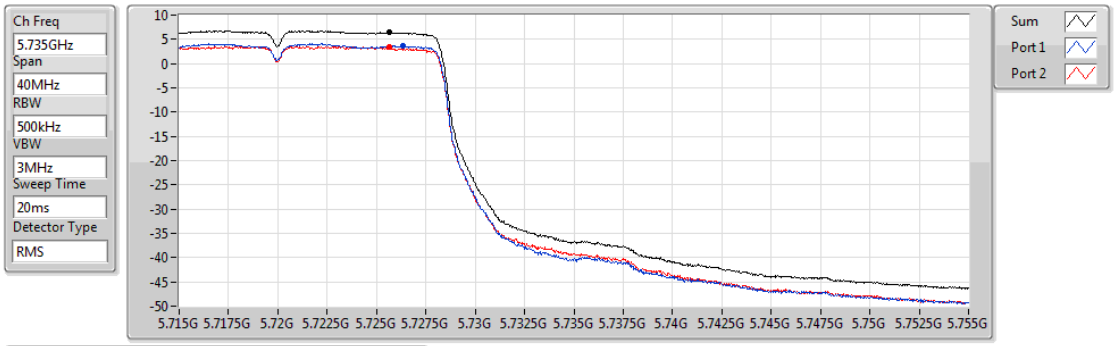
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.21	8.21	5.54	4.97

802.11a_(6Mbps)_2TX PSD

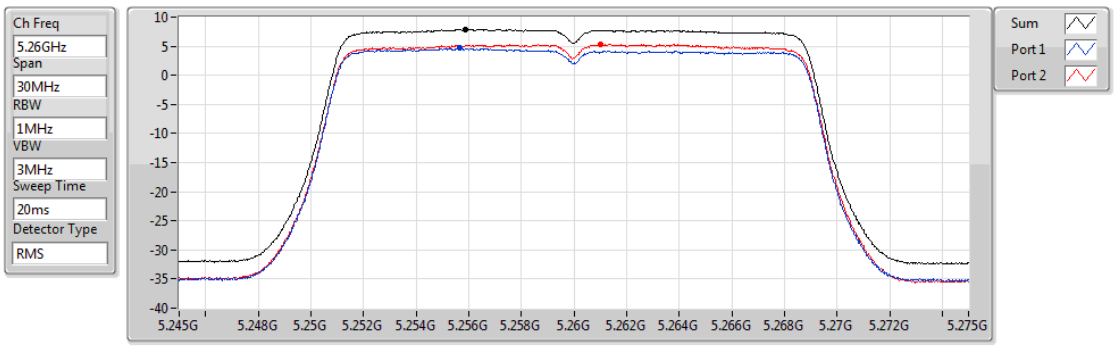
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.45	6.45	3.58	3.33

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

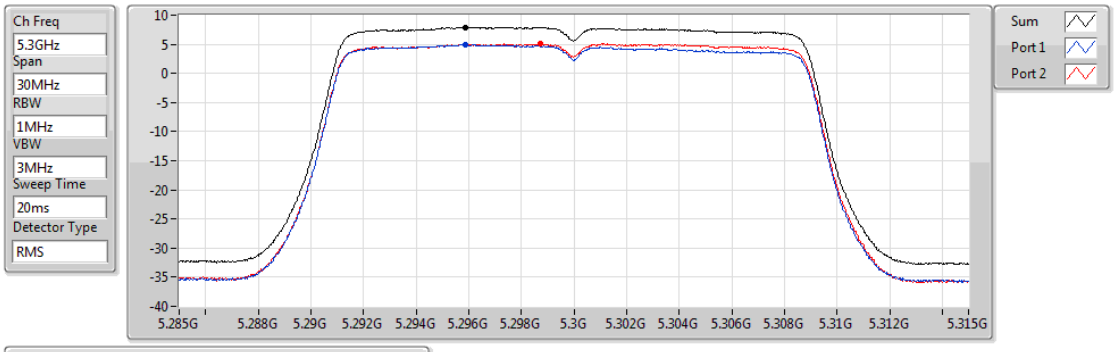
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.89	7.89	4.63	5.33

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

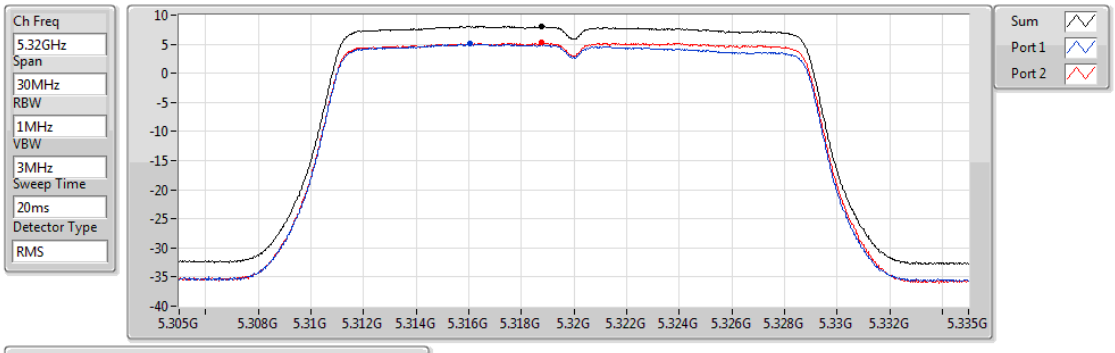
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	4.93	5.07

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

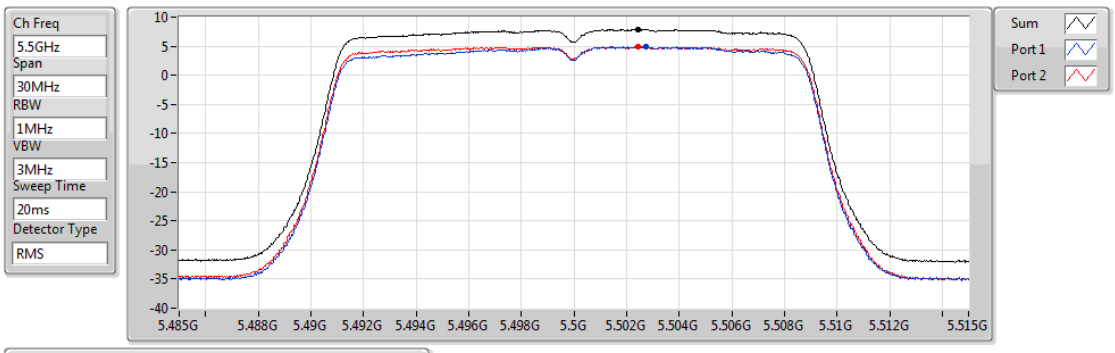
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.08	8.08	5.03	5.25

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

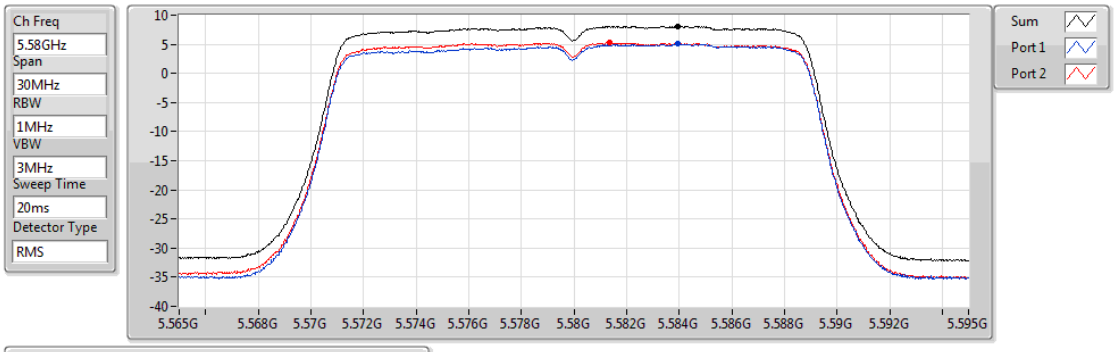
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.91	7.91	4.96	4.94

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

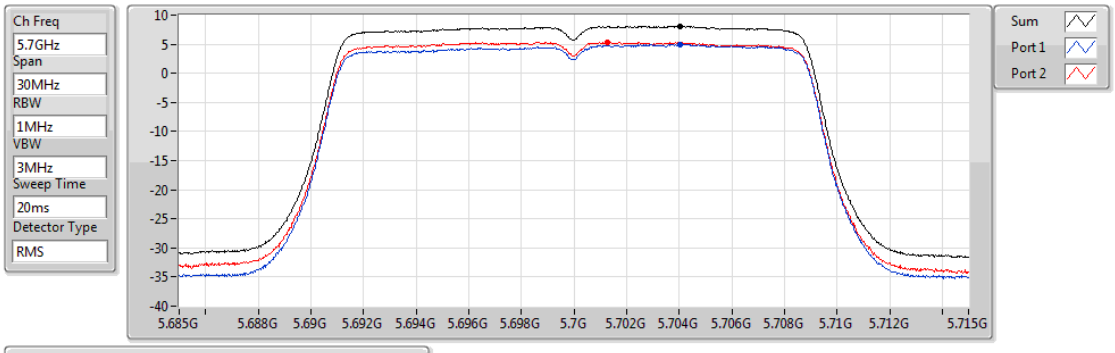
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.06	8.06	5.04	5.26

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

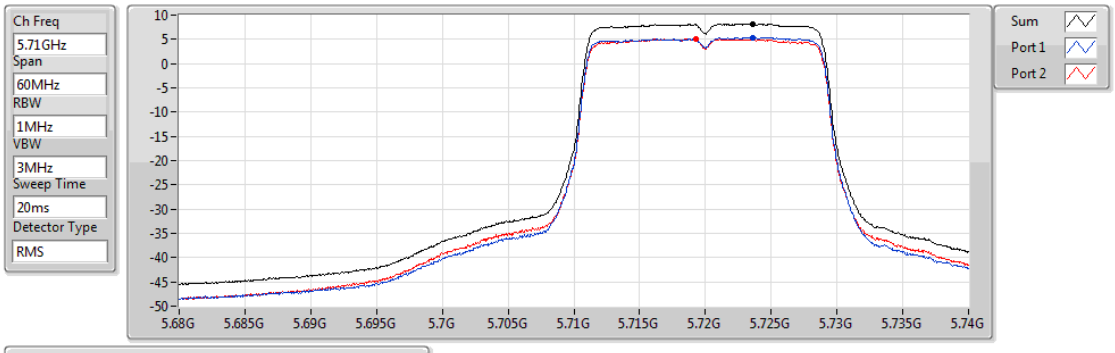
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.11	8.11	4.99	5.35

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

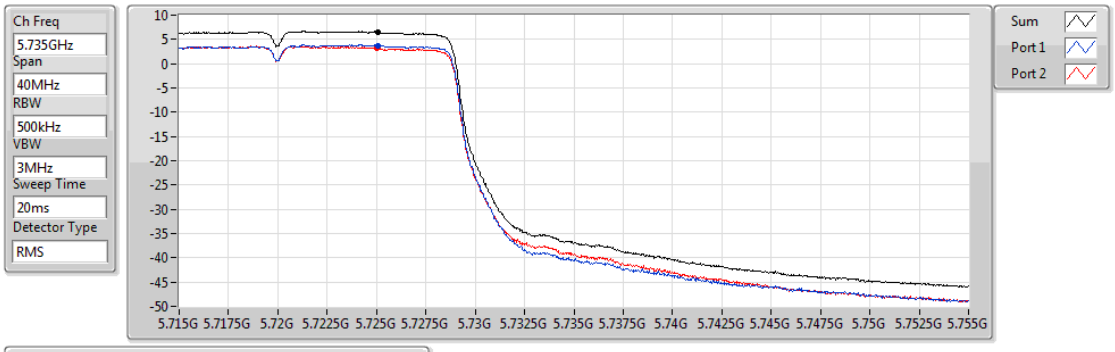
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.17	8.17	5.41	5.08

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

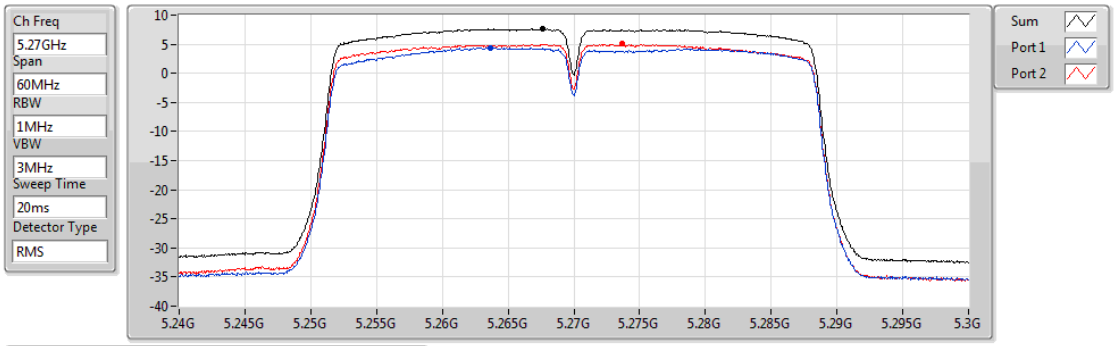
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.49	6.49	3.78	3.17

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

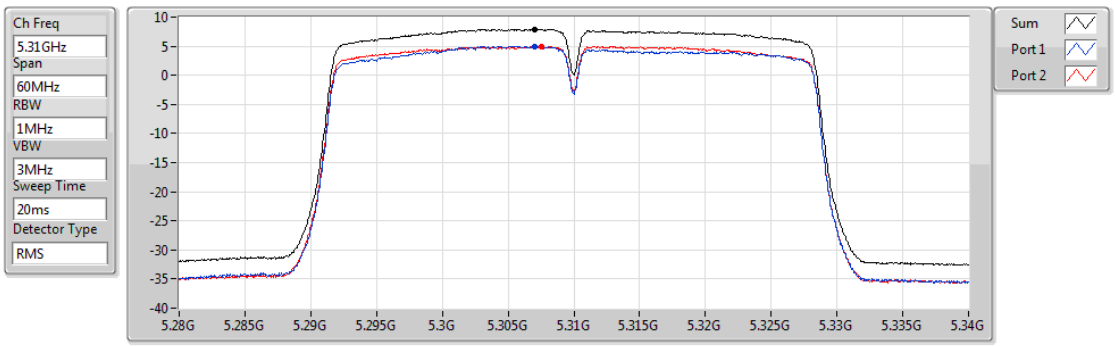
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.61	7.61	4.40	5.02

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

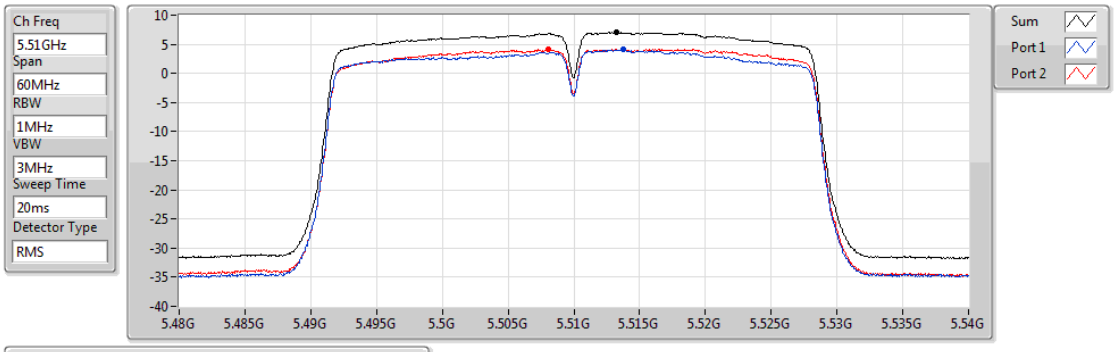
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.91	7.91	5.01	4.94

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

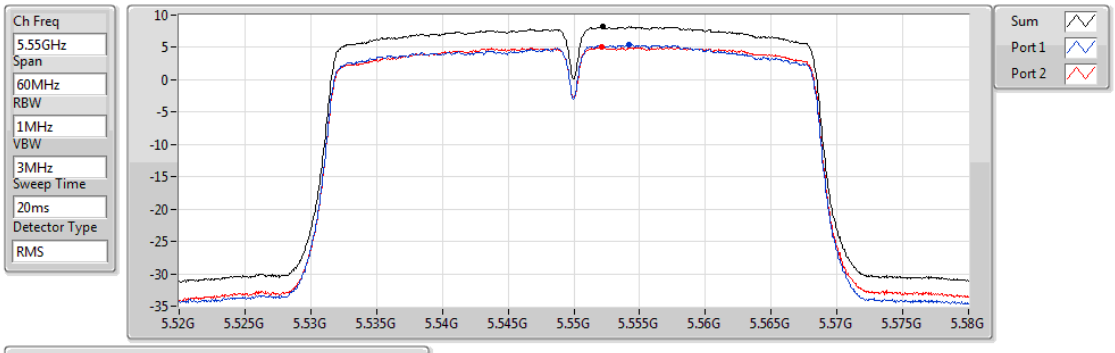
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.06	7.06	4.10	4.15

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

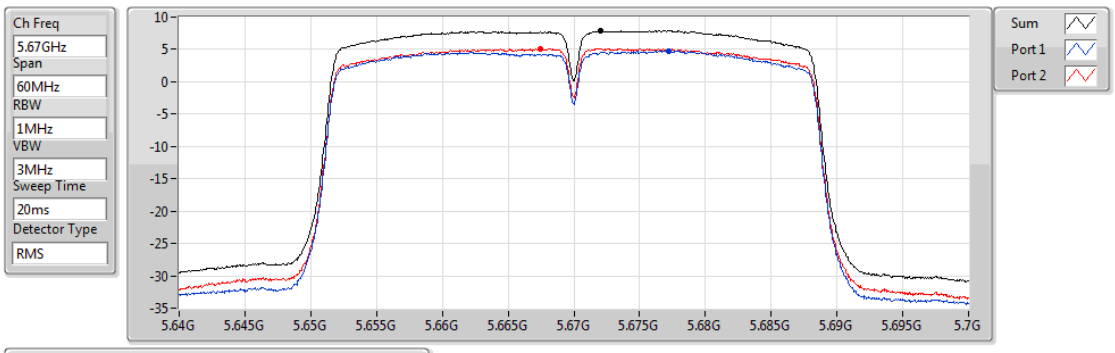
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.19	8.19	5.42	5.01

802.11ac VHT40_Nss1,(MCS0)_2TX **PSD**

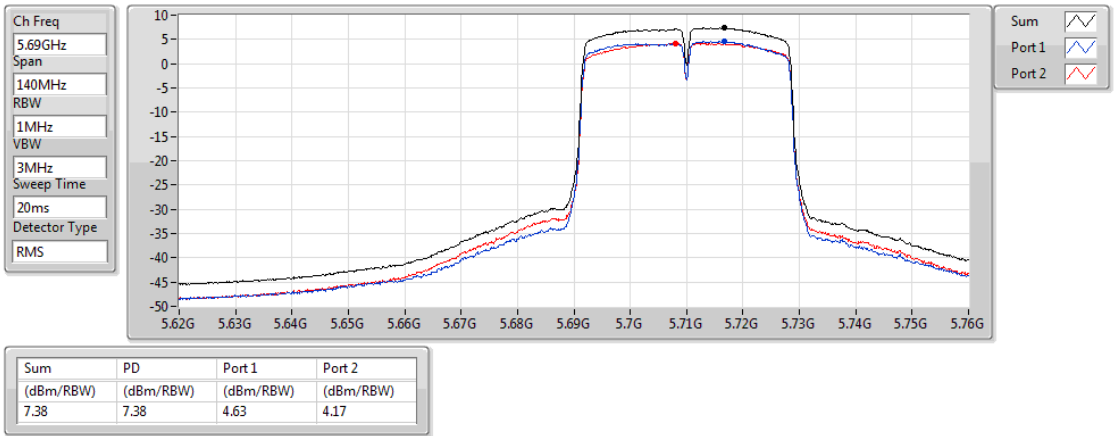
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.87	7.87	4.79	5.16

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

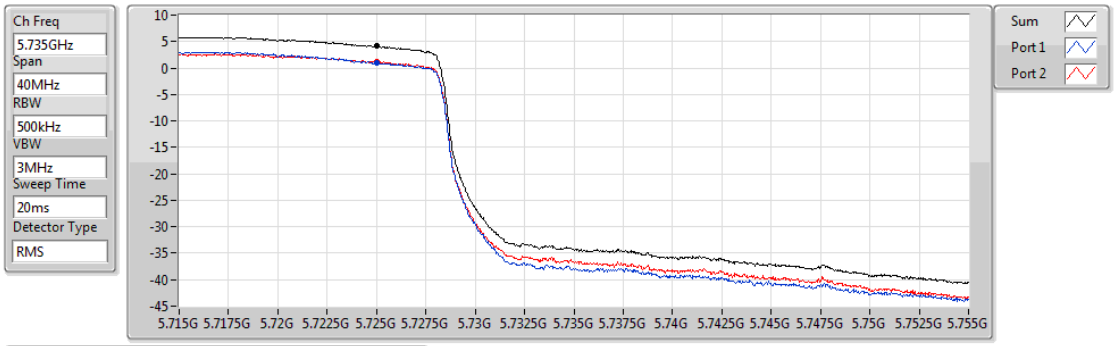
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.38	7.38	4.63	4.17

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

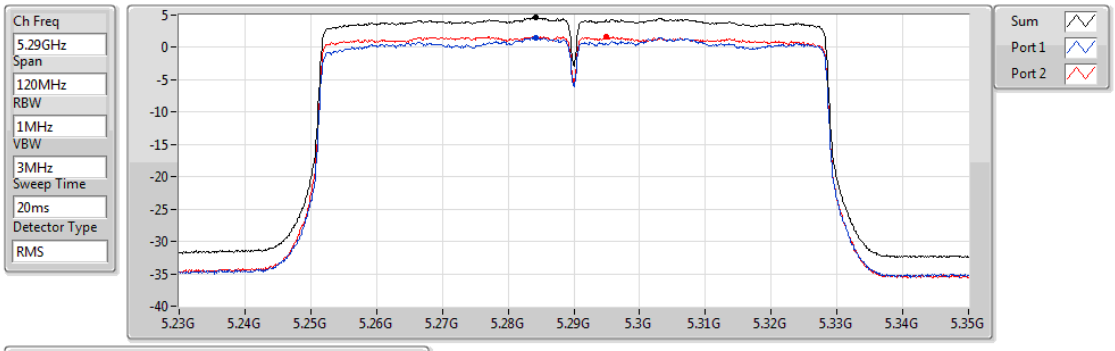
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.09	4.09	1.02	1.15

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

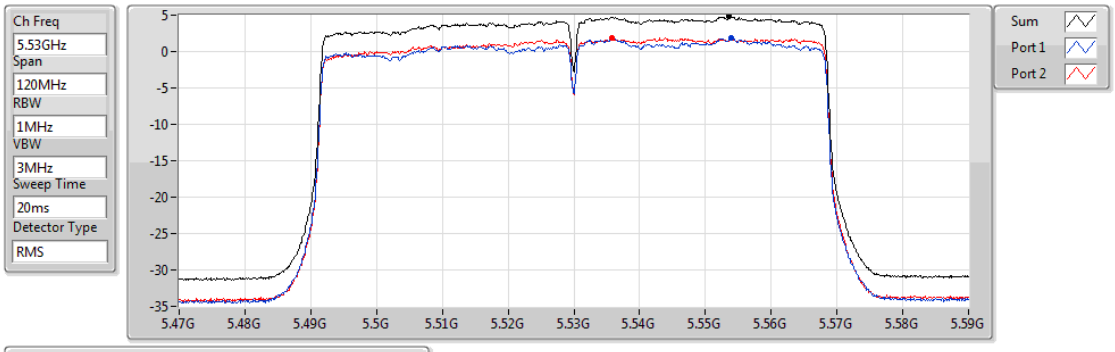
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.62	4.62	1.54	1.74

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

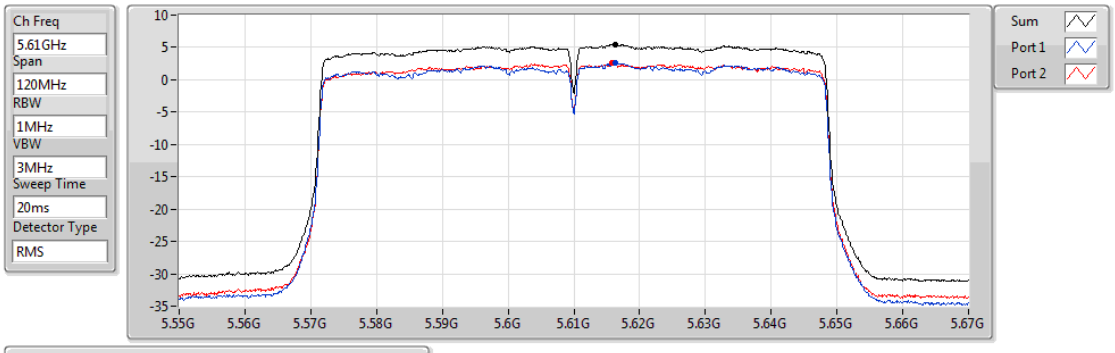
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.79	4.79	1.90	1.83

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

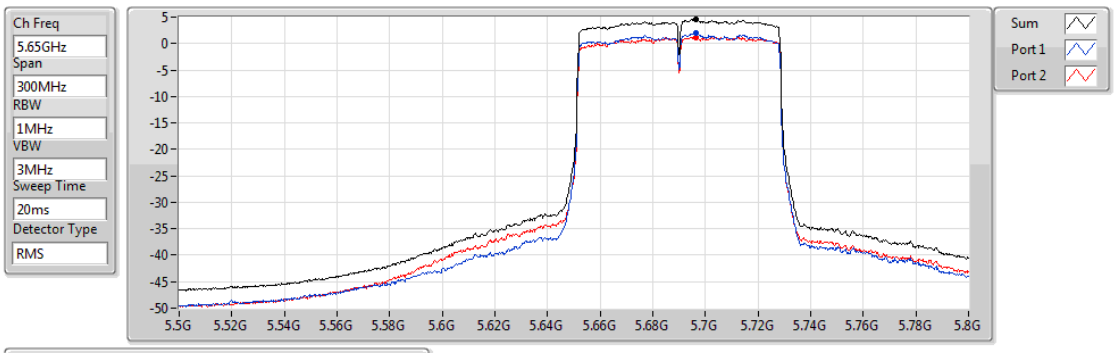
5610MHz



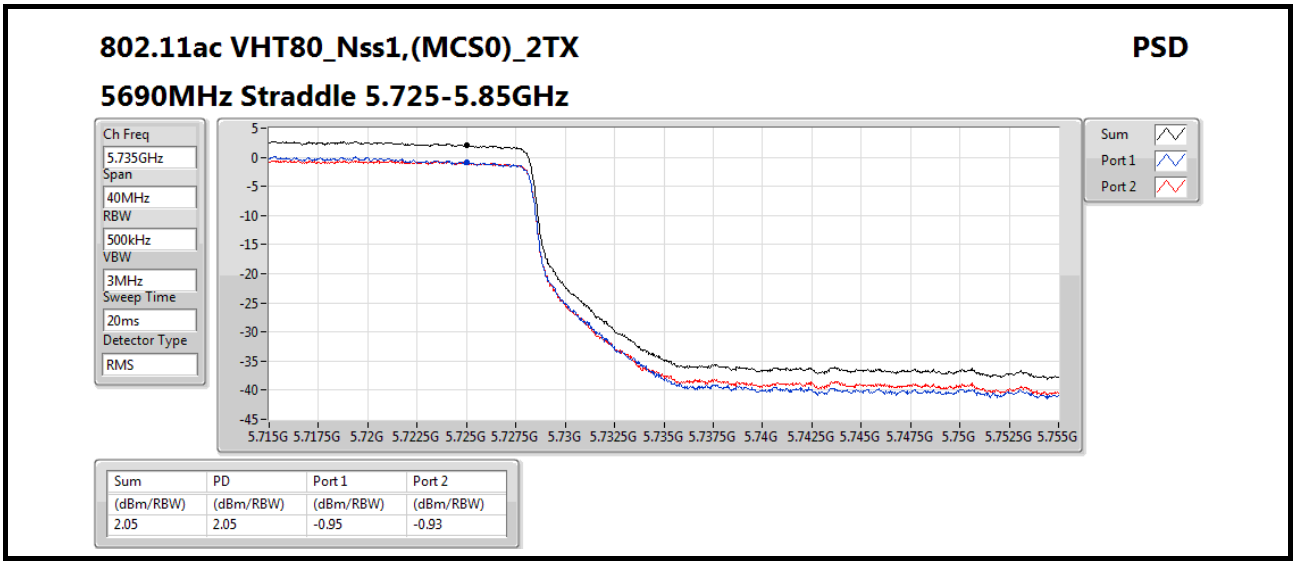
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.49	5.49	2.61	2.61

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.64	4.64	2.04	1.17

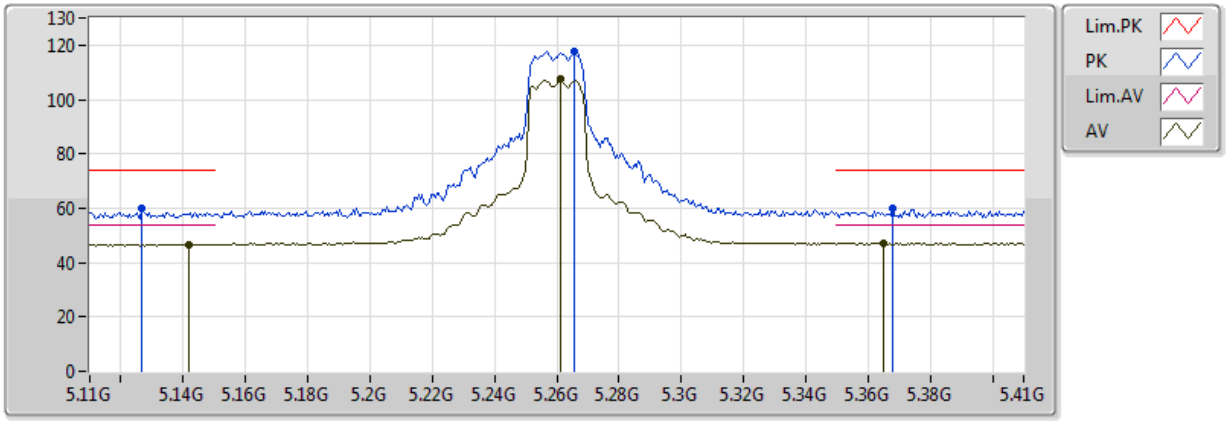

802.11ac VHT80_Nss1,(MCS0)_2TX
PSD
5690MHz Straddle 5.725-5.85GHz
Ch Freq
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
5.715G 5.7175G 5.72G 5.7225G 5.725G 5.7275G 5.73G 5.7325G 5.735G 5.7375G 5.74G 5.7425G 5.745G 5.7475G 5.75G 5.7525G 5.755G
Sum
Port 1
Port 2
Sum (dBm/RBW) 2.05
PD (dBm/RBW) 2.05
Port 1 (dBm/RBW) -0.95
Port 2 (dBm/RBW) -0.93

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
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.47-5.725GHz	Pass	AV	5.7252G	53.98	54.00	-0.02	9.81	3	V	261	1.46	-

802.11a_(6Mbps)_2TX

5260MHz_TX

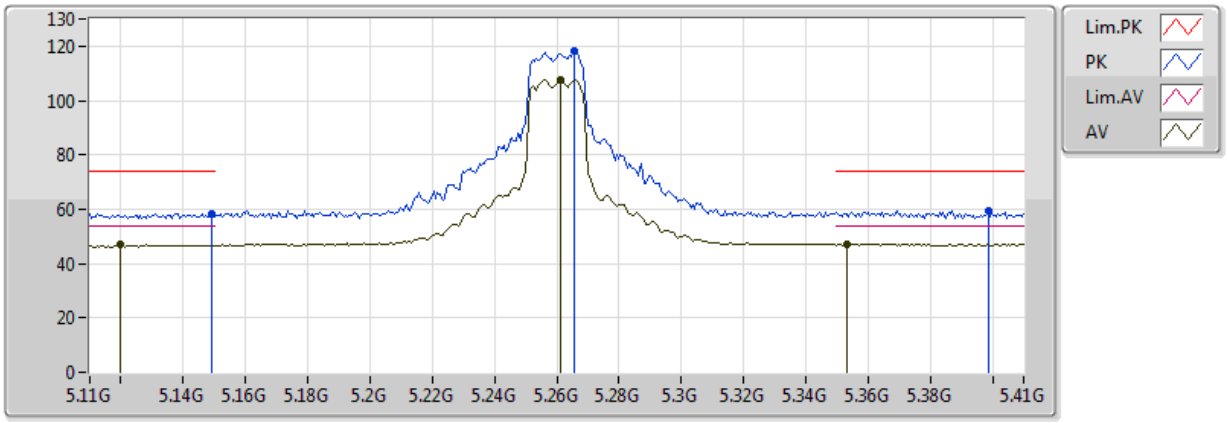


20170512
EUT Y 2TX
Setting 23
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1418G	46.77	54.00	-7.23	8.91	3	V	242	1.76	-
AV	5.2612G	107.35	Inf	-Inf	9.18	3	V	242	1.76	-
AV	5.365G	47.09	54.00	-6.91	9.37	3	V	242	1.76	-
PK	5.1268G	59.95	74.00	-14.05	8.87	3	V	242	1.76	-
PK	5.2654G	117.72	Inf	-Inf	9.18	3	V	242	1.76	-
PK	5.368G	59.79	74.00	-14.21	9.37	3	V	242	1.76	-

802.11a_(6Mbps)_2TX

5260MHz_TX

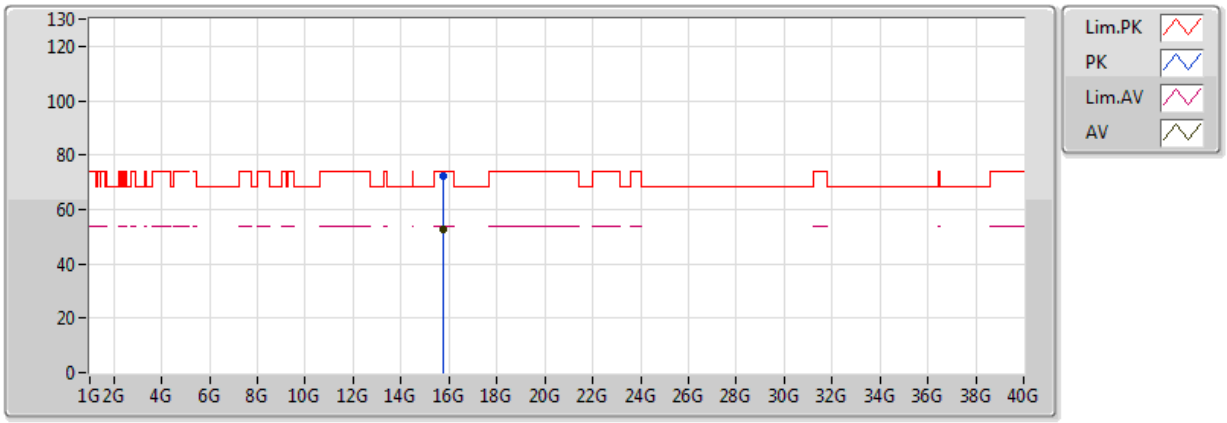


20170512
EUT Y 2TX
Setting 23
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1196G	46.93	54.00	-7.07	8.85	3	H	244	1.70	-
AV	5.2612G	107.70	Inf	-Inf	9.18	3	H	244	1.70	-
AV	5.353G	47.23	54.00	-6.77	9.35	3	H	244	1.70	-
PK	5.149G	58.45	74.00	-15.55	8.93	3	H	244	1.70	-
PK	5.2654G	118.22	Inf	-Inf	9.18	3	H	244	1.70	-
PK	5.3986G	59.38	74.00	-14.62	9.43	3	H	244	1.70	-

802.11a_(6Mbps)_2TX

5260MHz_TX

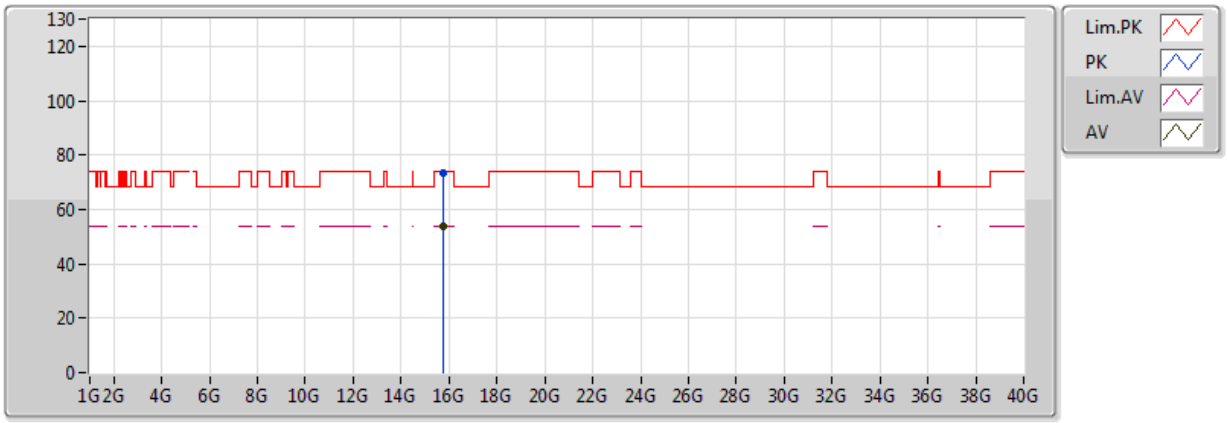


20170512
EUT Y 2TX
Setting 23
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77832G	52.71	54.00	-1.29	17.50	3	V	272	2.13	-
PK	15.78352G	72.23	74.00	-1.77	17.49	3	V	272	2.13	-

802.11a_(6Mbps)_2TX

5260MHz_TX

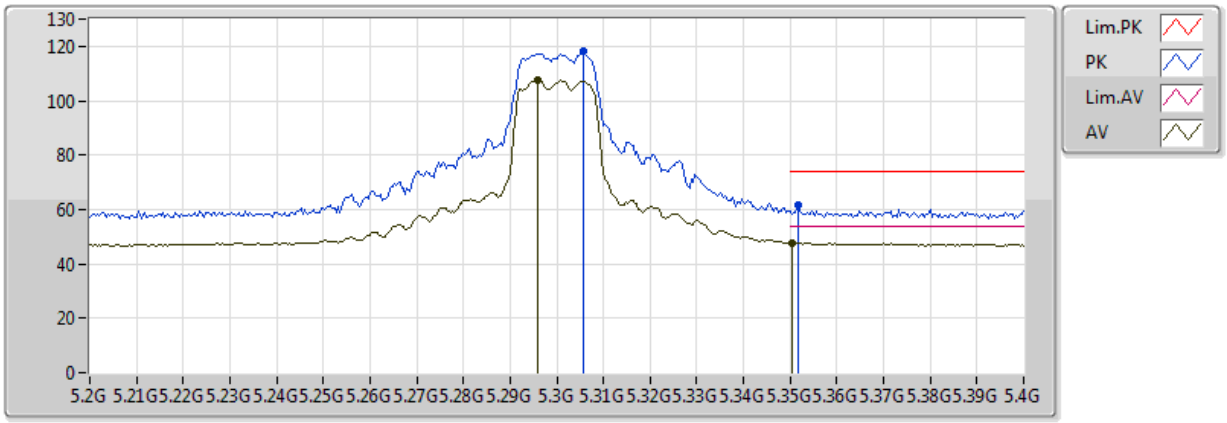


20170512
EUT Y 2TX
Setting 23
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78088G	53.72	54.00	-0.28	17.49	3	H	224	1.71	-
PK	15.78592G	73.18	74.00	-0.82	17.48	3	H	224	1.71	-

802.11a_(6Mbps)_2TX

5300MHz_TX

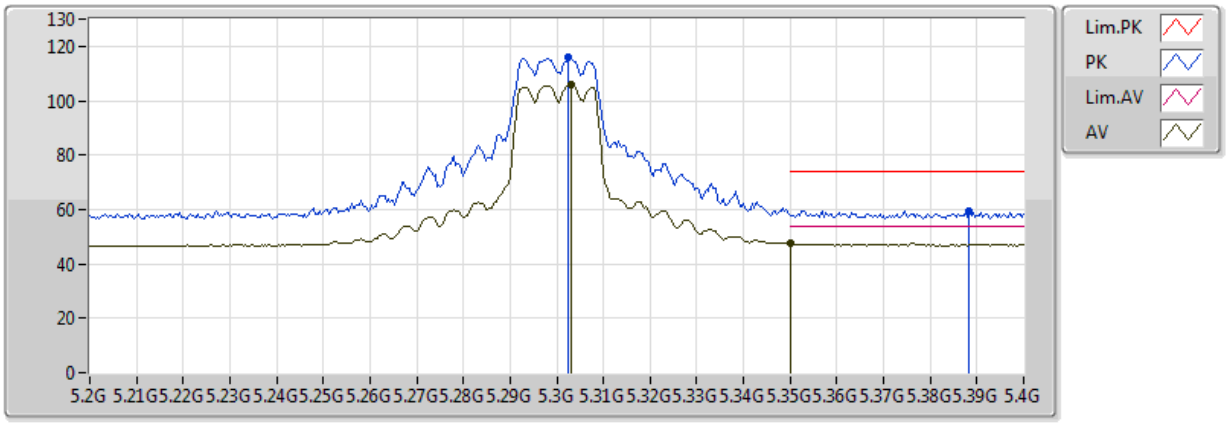


20170512
EUT Y 2TX
Setting 22.5
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.296G	107.44	Inf	-Inf	9.24	3	V	251	1.57	-
AV	5.3504G	47.89	54.00	-6.11	9.34	3	V	251	1.57	-
PK	5.3056G	118.30	Inf	-Inf	9.26	3	V	251	1.57	-
PK	5.3516G	61.48	74.00	-12.52	9.34	3	V	251	1.57	-

802.11a_(6Mbps)_2TX

5300MHz_TX

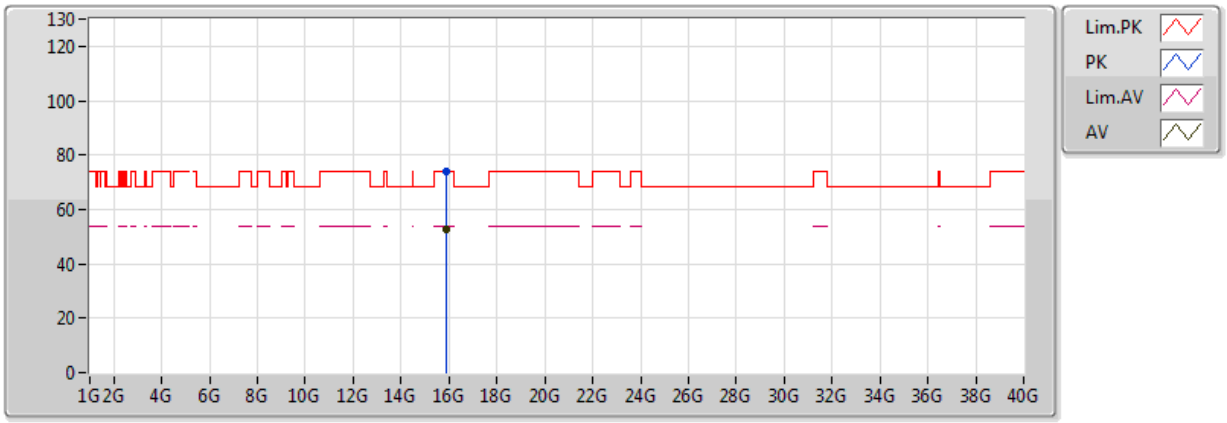


20170512
EUT Y 2TX
Setting 22.5
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3032G	105.89	Inf	-Inf	9.26	3	H	272	1.63	-
AV	5.350005G	47.61	54.00	-6.39	9.34	3	H	272	1.63	-
PK	5.3024G	116.20	Inf	-Inf	9.25	3	H	272	1.63	-
PK	5.3884G	59.40	74.00	-14.60	9.41	3	H	272	1.63	-

802.11a_(6Mbps)_2TX

5300MHz_TX

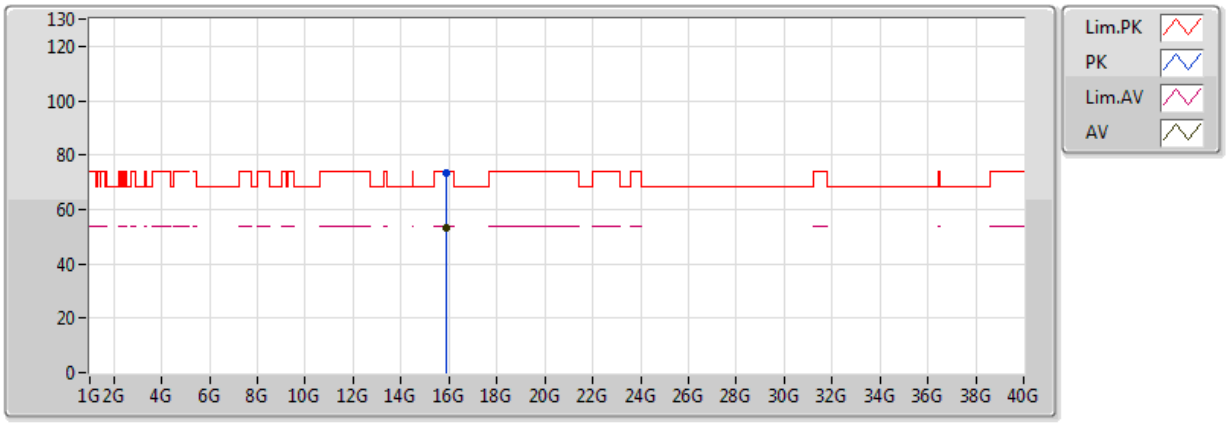


20170512
EUT Y 2TX
Setting 22.5
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.90064G	52.64	54.00	-1.36	17.19	3	V	257	1.01	-
PK	15.90632G	73.81	74.00	-0.19	17.17	3	V	257	1.01	-

802.11a_(6Mbps)_2TX

5300MHz_TX

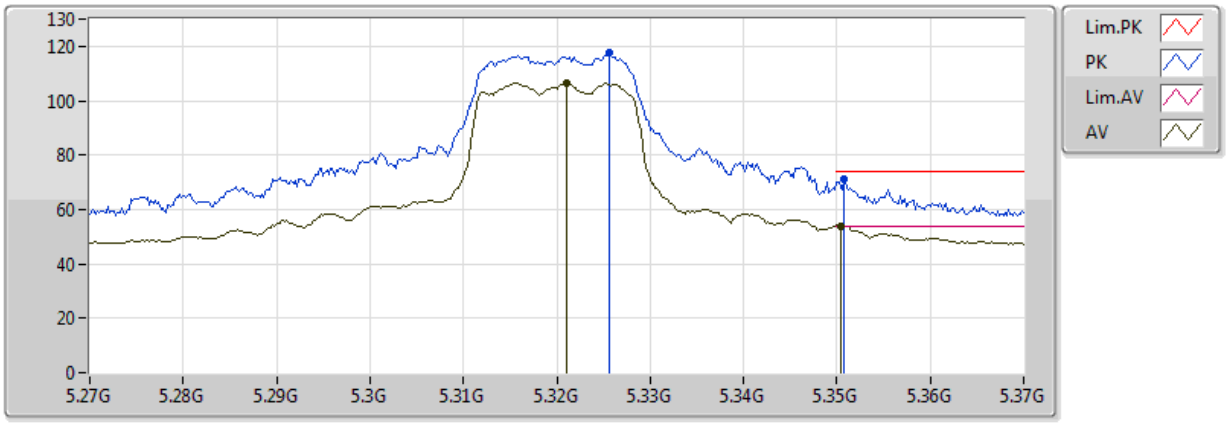


20170512
EUT Y 2TX
Setting 22.5
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.90024G	52.97	54.00	-1.03	17.19	3	H	229	1.61	-
PK	15.906G	73.35	74.00	-0.65	17.17	3	H	229	1.61	-

802.11a_(6Mbps)_2TX

5320MHz_TX

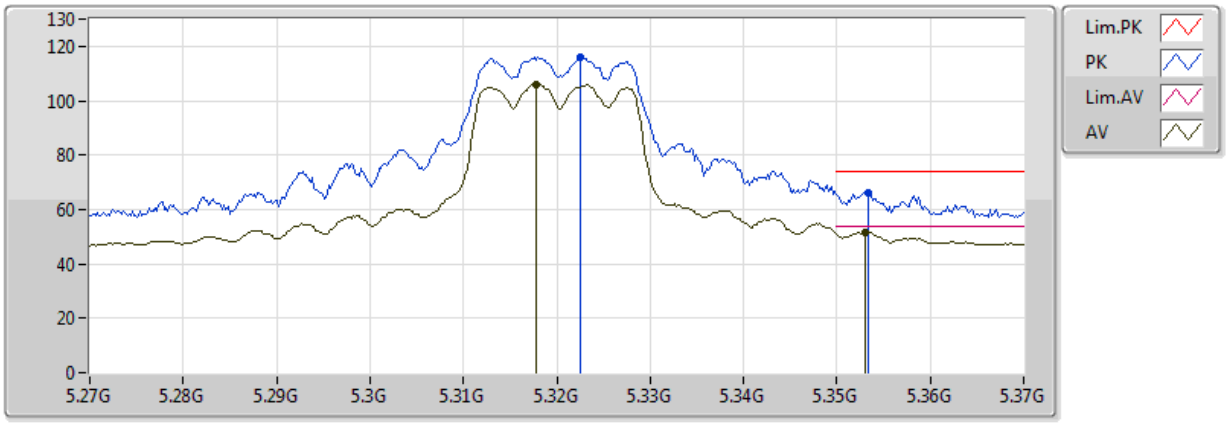


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.321G	106.43	Inf	-Inf	9.29	3	V	252	1.44	-
AV	5.3504G	53.94	54.00	-0.06	9.34	3	V	252	1.44	-
PK	5.3256G	117.42	Inf	-Inf	9.30	3	V	252	1.44	-
PK	5.3508G	71.25	74.00	-2.75	9.34	3	V	252	1.44	-

802.11a_(6Mbps)_2TX

5320MHz_TX

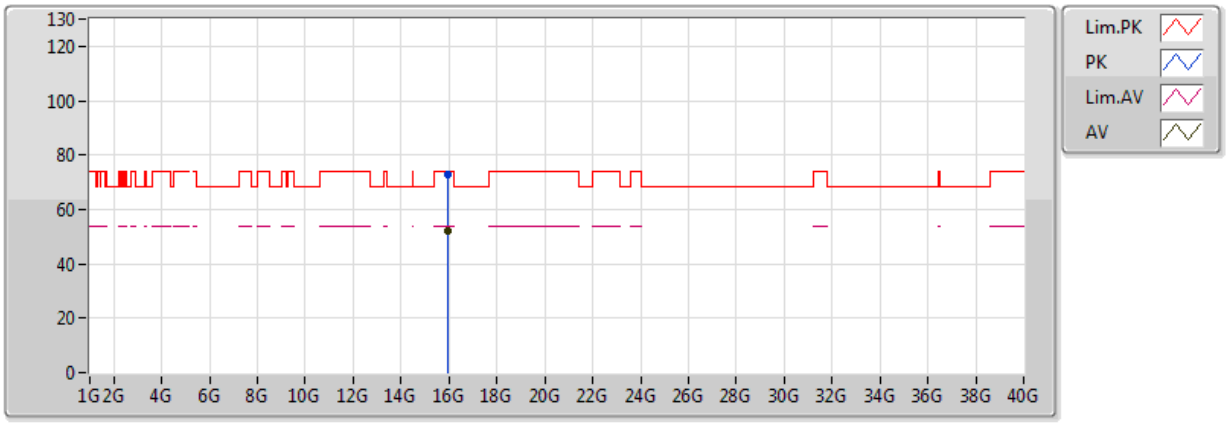


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3178G	106.13	Inf	-Inf	9.28	3	H	247	1.48	-
AV	5.353G	51.66	54.00	-2.34	9.35	3	H	247	1.48	-
PK	5.3226G	116.13	Inf	-Inf	9.29	3	H	247	1.48	-
PK	5.3534G	66.36	74.00	-7.64	9.35	3	H	247	1.48	-

802.11a_(6Mbps)_2TX

5320MHz_TX

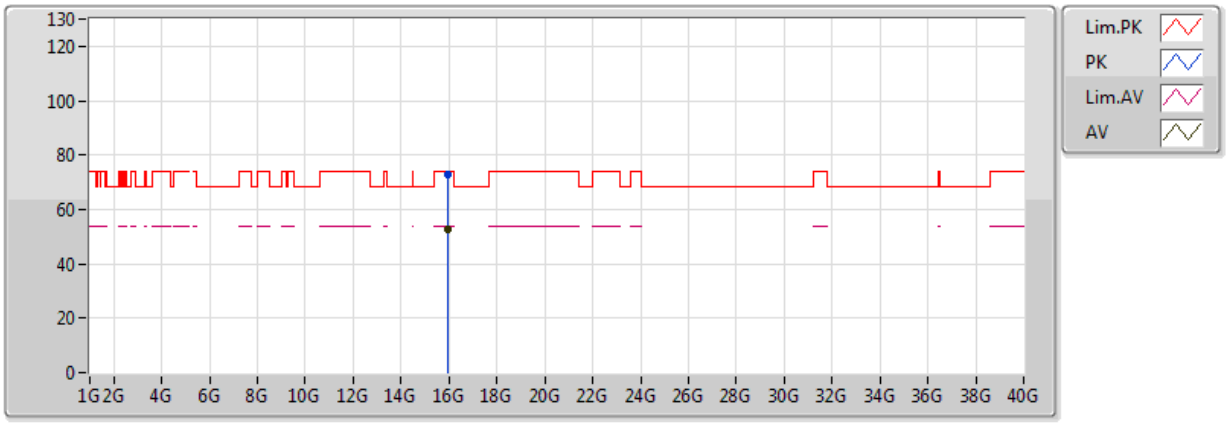


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.95888G	52.25	54.00	-1.75	17.04	3	V	246	2.77	-
PK	15.954G	72.85	74.00	-1.15	17.05	3	V	246	2.77	-

802.11a_(6Mbps)_2TX

5320MHz_TX

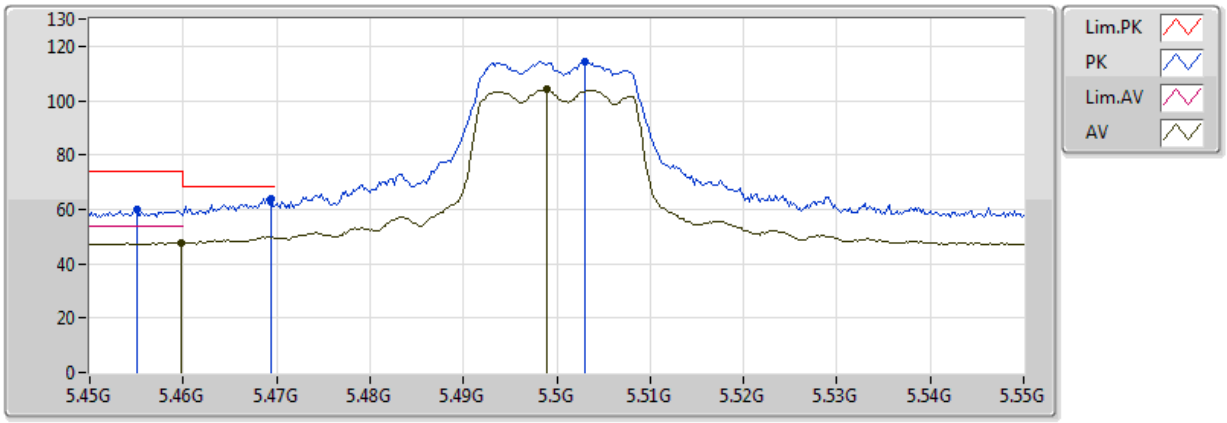


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.96072G	52.63	54.00	-1.37	17.03	3	H	226	1.64	-
PK	15.95648G	72.61	74.00	-1.39	17.04	3	H	226	1.64	-

802.11a_(6Mbps)_2TX

5500MHz_TX

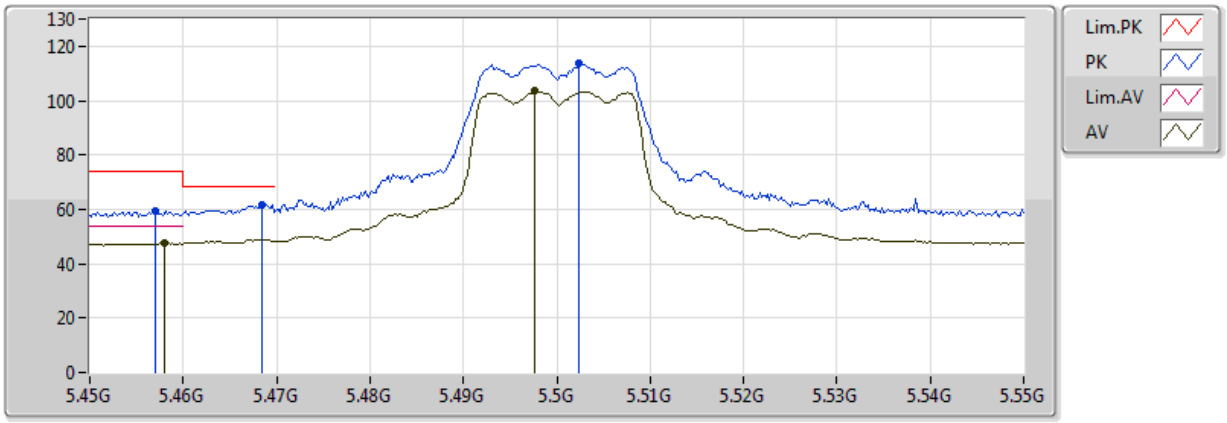


20170512
EUT Y 2TX
Setting 20.5
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4598G	47.71	54.00	-6.29	9.59	3	V	257	2.66	-
AV	5.499G	104.07	Inf	-Inf	9.69	3	V	257	2.66	-
PK	5.455G	60.16	74.00	-13.84	9.57	3	V	257	2.66	-
PK	5.4694G	64.07	68.20	-4.13	9.61	3	V	257	2.66	-
PK	5.503G	114.42	Inf	-Inf	9.69	3	V	257	2.66	-

802.11a_(6Mbps)_2TX

5500MHz_TX

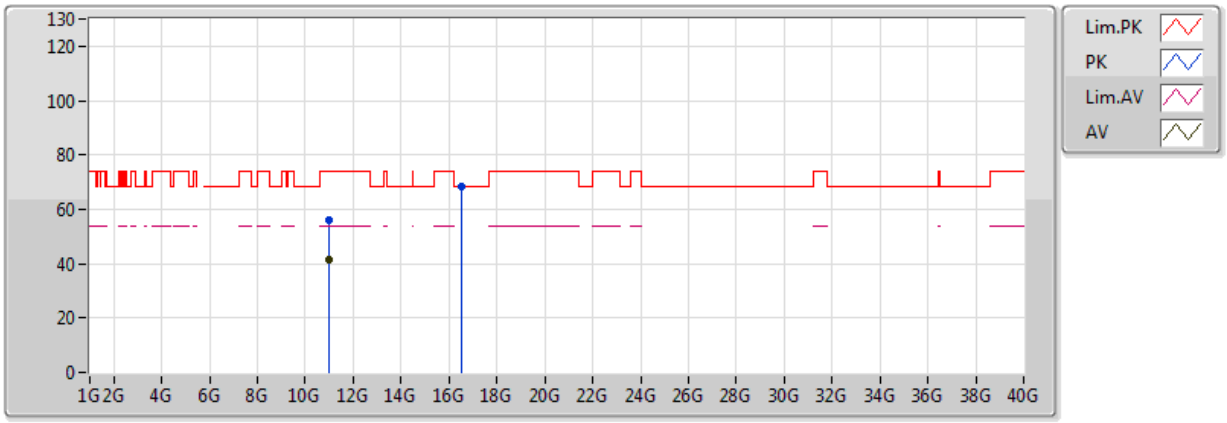


20170512
EUT Y 2TX
Setting 20.5
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	47.76	54.00	-6.24	9.58	3	H	251	1.71	-
AV	5.4976G	103.49	Inf	-Inf	9.68	3	H	251	1.71	-
PK	5.457G	59.58	74.00	-14.42	9.58	3	H	251	1.71	-
PK	5.4684G	61.82	68.20	-6.38	9.61	3	H	251	1.71	-
PK	5.5024G	113.70	Inf	-Inf	9.69	3	H	251	1.71	-

802.11a_(6Mbps)_2TX

5500MHz_TX

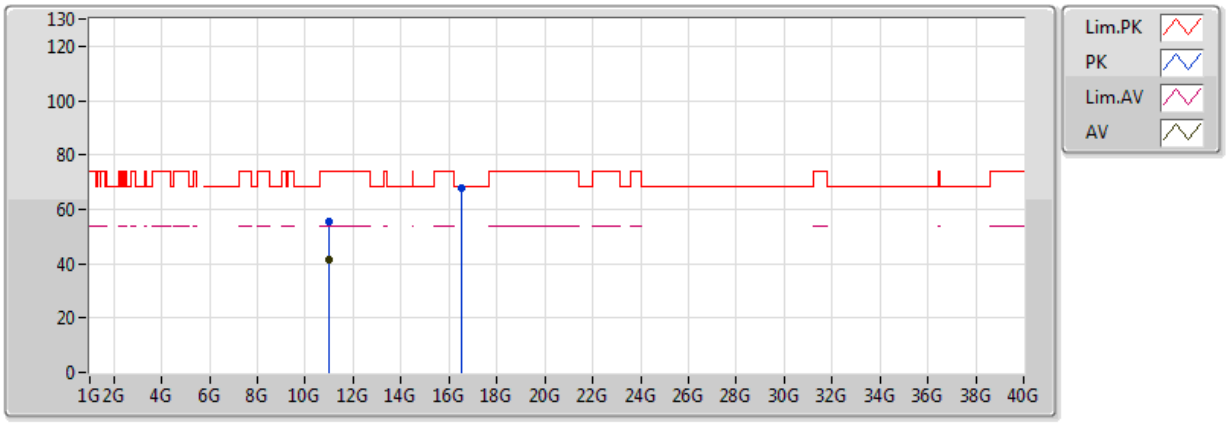


20170512
EUT Y 2TX
Setting 20.5
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00984G	41.66	54.00	-12.34	15.84	3	V	332	1.70	-
PK	10.9952G	55.99	74.00	-18.01	15.83	3	V	332	1.70	-
PK	16.5044G	68.14	68.20	-0.06	19.09	3	V	241	2.69	-

802.11a_(6Mbps)_2TX

5500MHz_TX

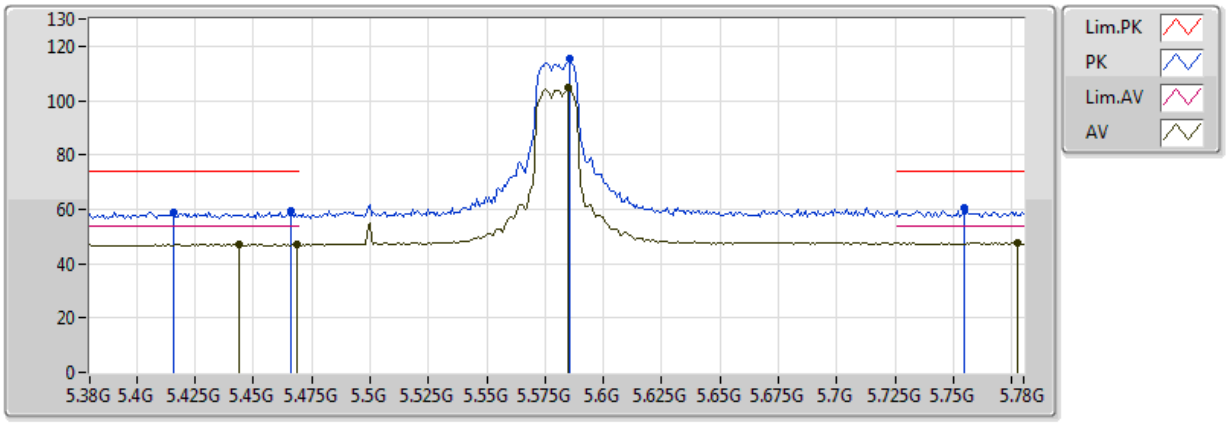


20170512
EUT Y 2TX
Setting 20.5
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.99416G	41.71	54.00	-12.29	15.83	3	H	136	2.49	-
PK	11.00416G	55.49	74.00	-18.51	15.83	3	H	136	2.49	-
PK	16.49624G	68.01	68.20	-0.19	19.05	3	H	324	1.22	-

802.11a_(6Mbps)_2TX

5580MHz_TX

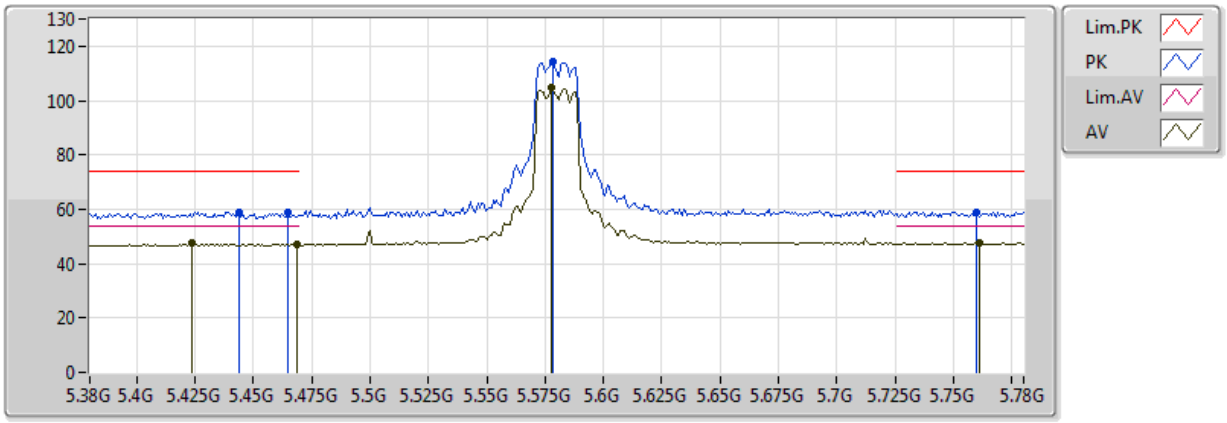


20170512
EUT Y 2TX
Setting 20.5
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.444G	47.08	54.00	-6.92	9.54	3	V	263	1.35	-
AV	5.4688G	47.09	54.00	-6.91	9.61	3	V	263	1.35	-
AV	5.5848G	104.93	Inf	-Inf	9.77	3	V	263	1.35	-
AV	5.7776G	47.53	54.00	-6.47	9.82	3	V	263	1.35	-
PK	5.416G	59.01	74.00	-14.99	9.47	3	V	263	1.35	-
PK	5.4664G	59.58	74.00	-14.42	9.60	3	V	263	1.35	-
PK	5.5856G	115.51	Inf	-Inf	9.77	3	V	263	1.35	-
PK	5.7544G	60.36	74.00	-13.64	9.81	3	V	263	1.35	-

802.11a_(6Mbps)_2TX

5580MHz_TX

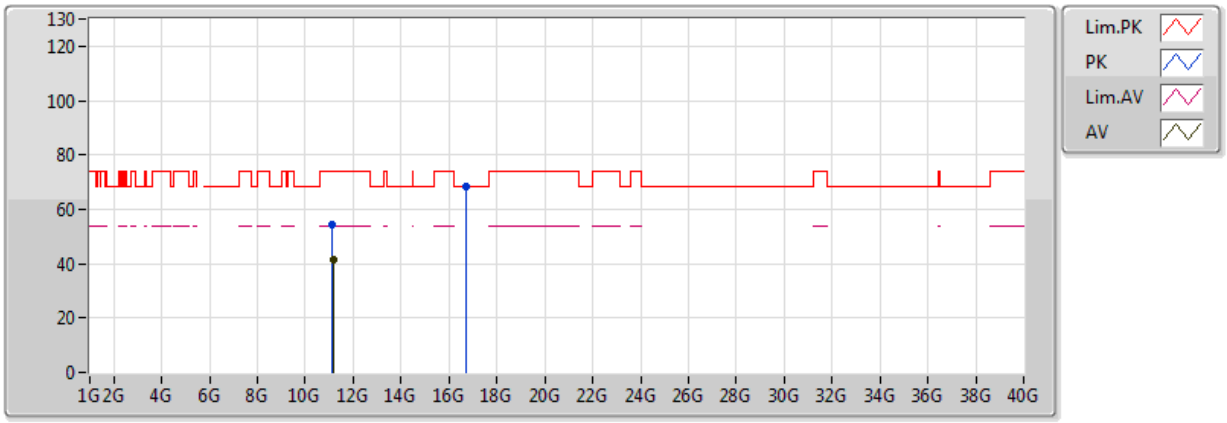


20170512
EUT Y 2TX
Setting 20.5
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.424G	47.38	54.00	-6.62	9.49	3	H	247	1.58	-
AV	5.4688G	46.97	54.00	-7.03	9.61	3	H	247	1.58	-
AV	5.5776G	104.66	Inf	-Inf	9.76	3	H	247	1.58	-
AV	5.7608G	47.61	54.00	-6.39	9.81	3	H	247	1.58	-
PK	5.444G	59.05	74.00	-14.95	9.54	3	H	247	1.58	-
PK	5.4648G	59.04	74.00	-14.96	9.60	3	H	247	1.58	-
PK	5.5784G	114.56	Inf	-Inf	9.76	3	H	247	1.58	-
PK	5.76G	59.03	74.00	-14.97	9.81	3	H	247	1.58	-

802.11a_(6Mbps)_2TX

5580MHz_TX

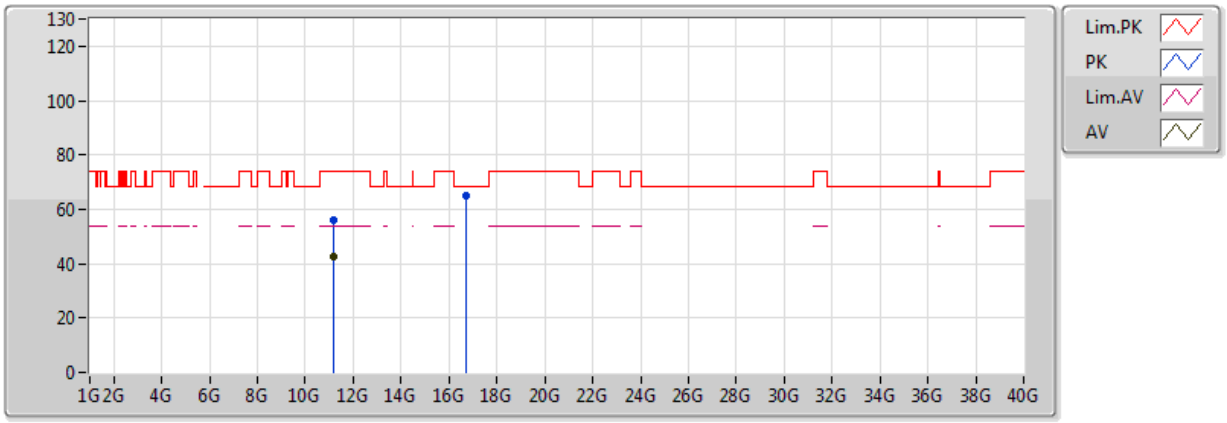


20170512
EUT Y 2TX
Setting 20.5
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16288G	41.52	54.00	-12.48	15.99	3	V	265	1.97	-
PK	11.14576G	54.50	74.00	-19.50	15.97	3	V	265	1.97	-
PK	16.74128G	68.16	68.20	-0.04	20.10	3	V	241	1.60	-

802.11a_(6Mbps)_2TX

5580MHz_TX

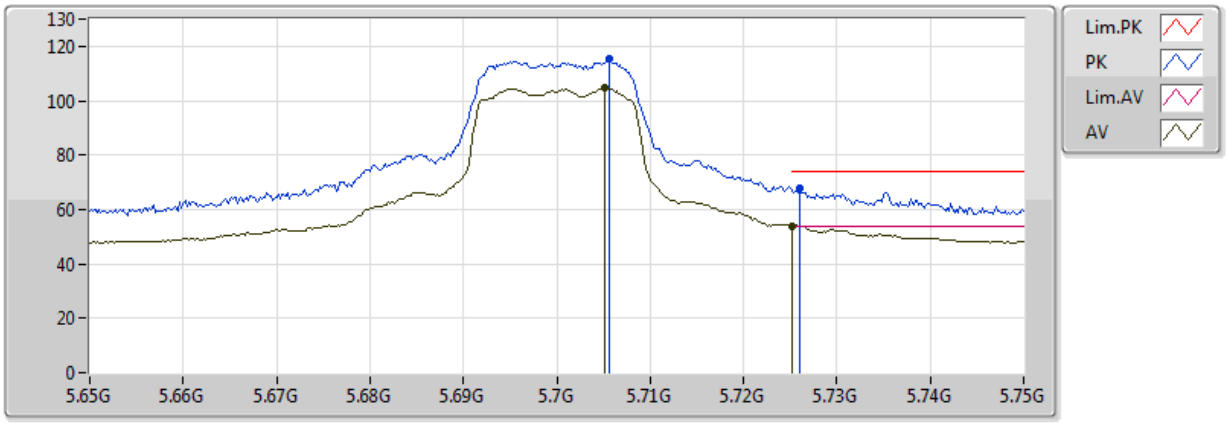


20170512
EUT Y 2TX
Setting 20.5
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16296G	42.34	54.00	-11.66	15.99	3	H	204	2.49	-
PK	11.16336G	55.89	74.00	-18.11	15.99	3	H	204	2.49	-
PK	16.73112G	65.15	68.20	-3.05	20.06	3	H	232	1.88	-

802.11a_(6Mbps)_2TX

5700MHz_TX

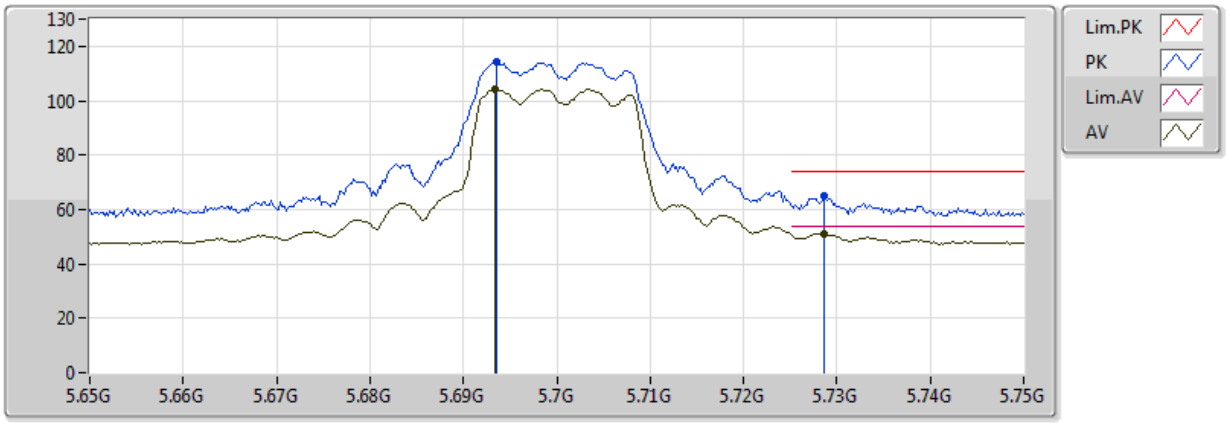


20170512
EUT Y 2TX
Setting 20
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7052G	104.61	Inf	-Inf	9.80	3	V	261	1.46	-
AV	5.7252G	53.98	54.00	-0.02	9.81	3	V	261	1.46	-
PK	5.7056G	115.47	Inf	-Inf	9.80	3	V	261	1.46	-
PK	5.726G	67.57	74.00	-6.43	9.81	3	V	261	1.46	-

802.11a_(6Mbps)_2TX

5700MHz_TX

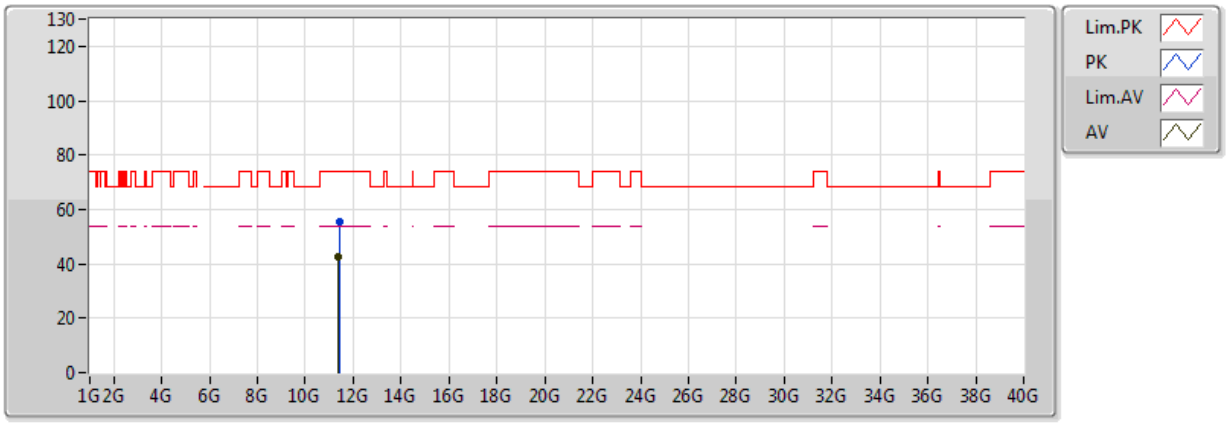


20170512
EUT Y 2TX
Setting 20
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6934G	104.08	Inf	-Inf	9.80	3	H	246	1.56	-
AV	5.7286G	51.25	54.00	-2.75	9.81	3	H	246	1.56	-
PK	5.6936G	114.22	Inf	-Inf	9.80	3	H	246	1.56	-
PK	5.7286G	65.16	74.00	-8.84	9.81	3	H	246	1.56	-

802.11a_(6Mbps)_2TX

5700MHz_TX

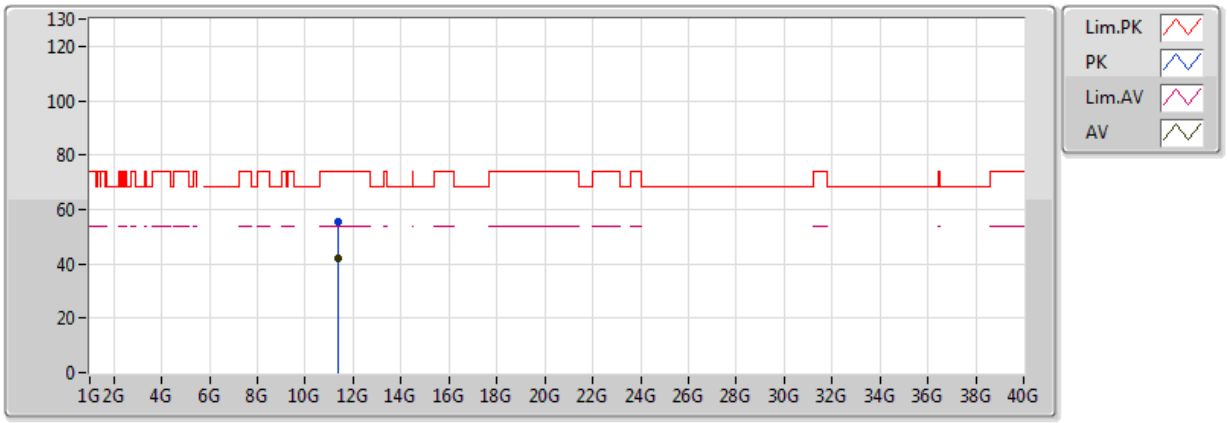


20170512
EUT Y 2TX
Setting 20
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.40184G	42.37	54.00	-11.63	16.23	3	V	316	2.35	-
PK	11.40608G	55.26	74.00	-18.74	16.23	3	V	316	2.35	-

802.11a_(6Mbps)_2TX

5700MHz_TX

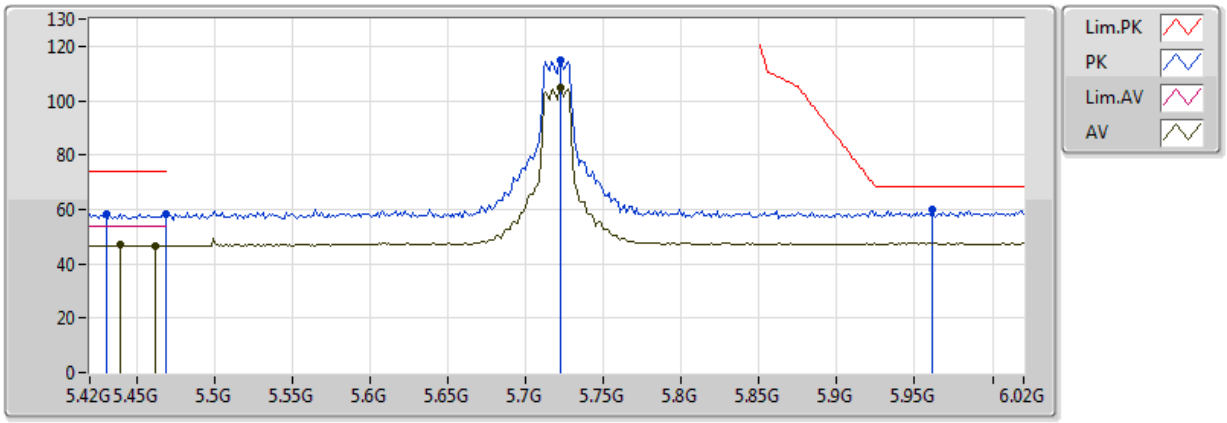


20170512
EUT Y 2TX
Setting 20
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39716G	42.26	54.00	-11.74	16.22	3	H	276	1.77	-
PK	11.39624G	55.72	74.00	-18.28	16.22	3	H	276	1.77	-

802.11a_(6Mbps)_2TX

5720MHz_TX

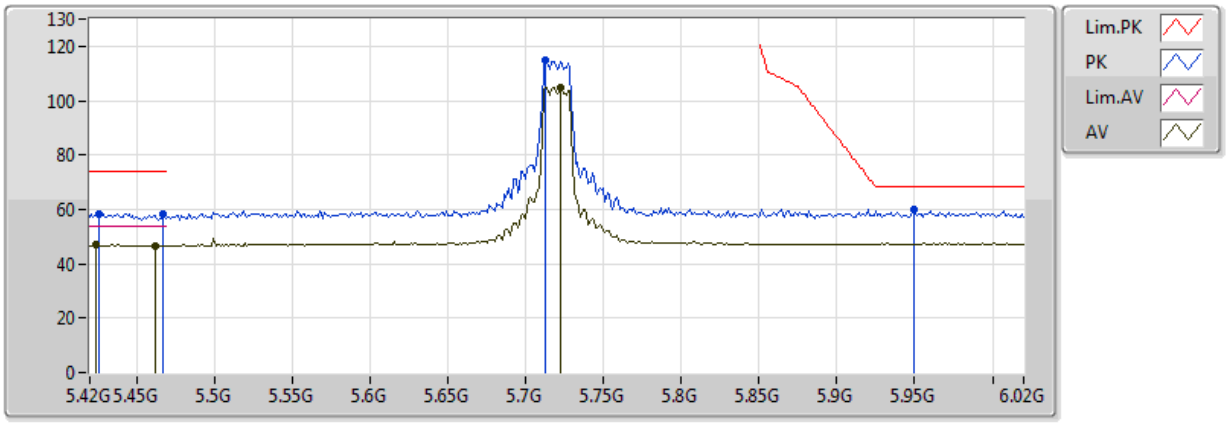


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4392G	46.83	54.00	-7.17	9.53	3	V	299	2.55	-
AV	5.462G	46.70	54.00	-7.30	9.59	3	V	299	2.55	-
AV	5.7224G	104.75	Inf	-Inf	9.80	3	V	299	2.55	-
PK	5.431G	58.23	74.00	-15.77	9.48	3	V	299	2.55	-
PK	5.4692G	58.42	74.00	-15.58	9.61	3	V	299	2.55	-
PK	5.7224G	114.78	Inf	-Inf	9.80	3	V	299	2.55	-
PK	5.9612G	59.83	68.20	-8.37	10.05	3	V	299	2.55	-

802.11a_(6Mbps)_2TX

5720MHz_TX

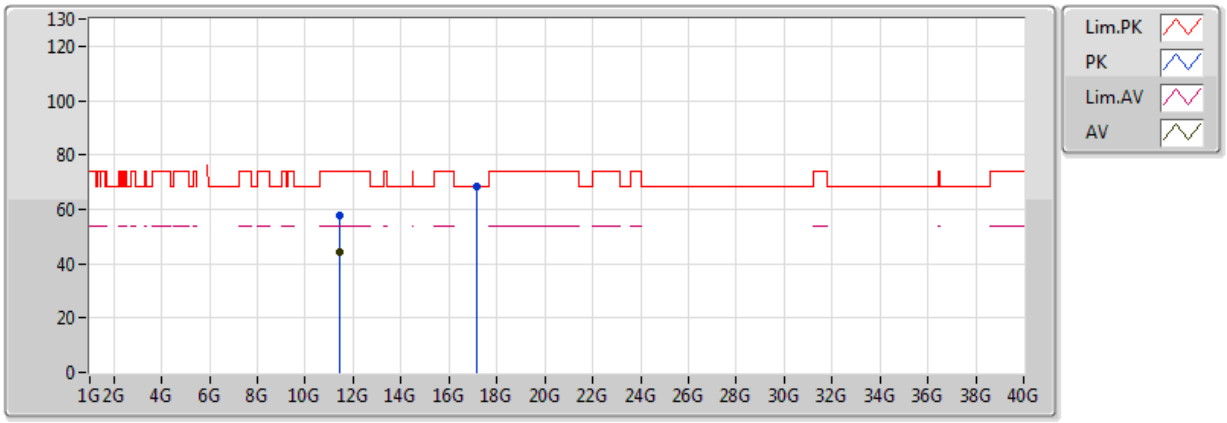


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4236G	47.07	54.00	-6.93	9.49	3	H	250	1.54	-
AV	5.462G	46.63	54.00	-7.37	9.59	3	H	250	1.54	-
AV	5.7224G	105.02	Inf	-Inf	9.80	3	H	250	1.54	-
PK	5.426G	58.55	74.00	-15.45	9.50	3	H	250	1.54	-
PK	5.4668G	58.05	74.00	-15.95	9.60	3	H	250	1.54	-
PK	5.7128G	115.09	Inf	-Inf	9.80	3	H	250	1.54	-
PK	5.9492G	60.09	68.20	-8.11	10.03	3	H	250	1.54	-

802.11a_(6Mbps)_2TX

5720MHz_TX

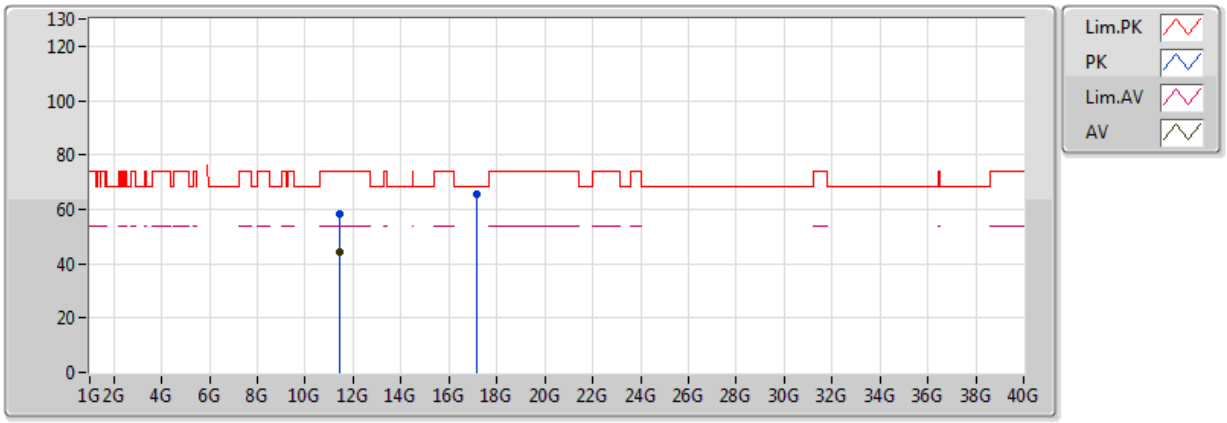


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.43812G	44.33	54.00	-9.67	16.26	3	V	282	1.67	-
PK	11.4376G	57.72	74.00	-16.28	16.26	3	V	282	1.67	-
PK	17.1562G	68.13	68.20	-0.07	22.13	3	V	239	1.53	-

802.11a_(6Mbps)_2TX

5720MHz_TX

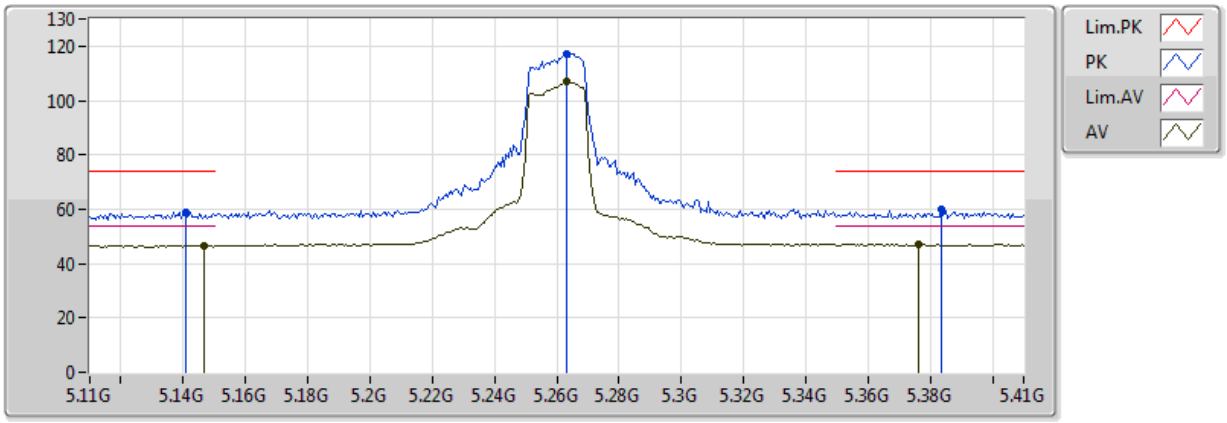


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.43804G	44.35	54.00	-9.65	16.26	3	H	138	2.23	-
PK	11.43804G	58.09	74.00	-15.91	16.26	3	H	138	2.23	-
PK	17.15652G	65.36	68.20	-2.84	22.13	3	H	249	2.63	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

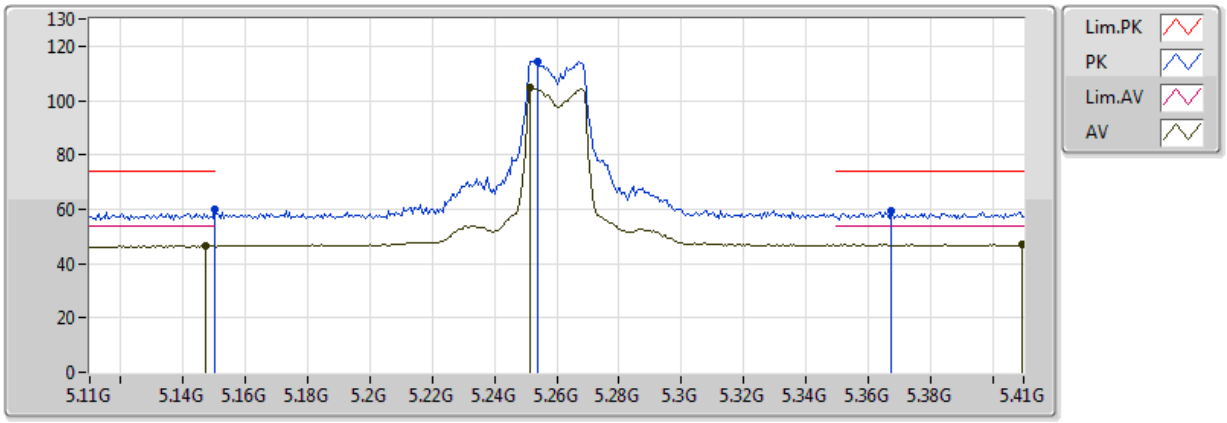


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1466G	46.58	54.00	-7.42	8.92	3	V	243	1.63	-
AV	5.263G	106.77	Inf	-Inf	9.18	3	V	243	1.63	-
AV	5.3764G	47.29	54.00	-6.71	9.39	3	V	243	1.63	-
PK	5.1406G	59.04	74.00	-14.96	8.91	3	V	243	1.63	-
PK	5.263G	117.21	Inf	-Inf	9.18	3	V	243	1.63	-
PK	5.3836G	59.72	74.00	-14.28	9.40	3	V	243	1.63	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

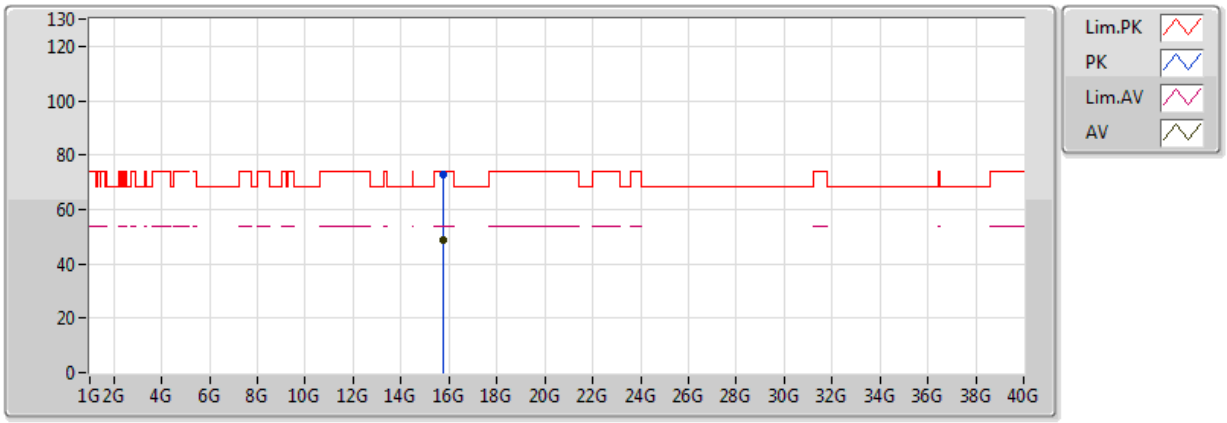


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1472G	46.55	54.00	-7.45	8.92	3	H	260	1.79	-
AV	5.2516G	104.70	Inf	-Inf	9.16	3	H	260	1.79	-
AV	5.4094G	47.03	54.00	-6.97	9.45	3	H	260	1.79	-
PK	5.149995G	59.89	74.00	-14.11	8.93	3	H	260	1.79	-
PK	5.254G	114.54	Inf	-Inf	9.16	3	H	260	1.79	-
PK	5.3674G	59.18	74.00	-14.82	9.37	3	H	260	1.79	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

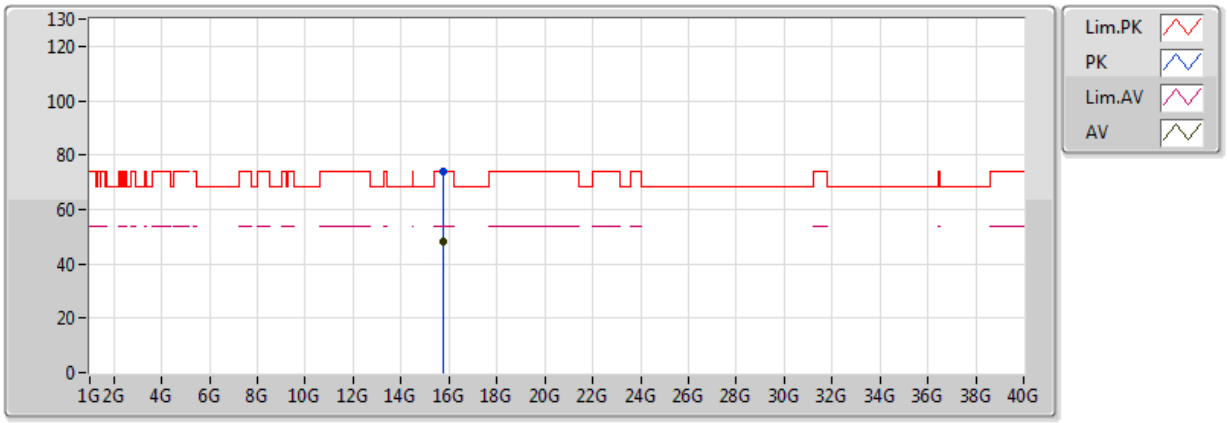


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77848G	48.78	54.00	-5.22	17.50	3	V	227	1.49	-
PK	15.77888G	72.95	74.00	-1.05	17.50	3	V	227	1.49	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

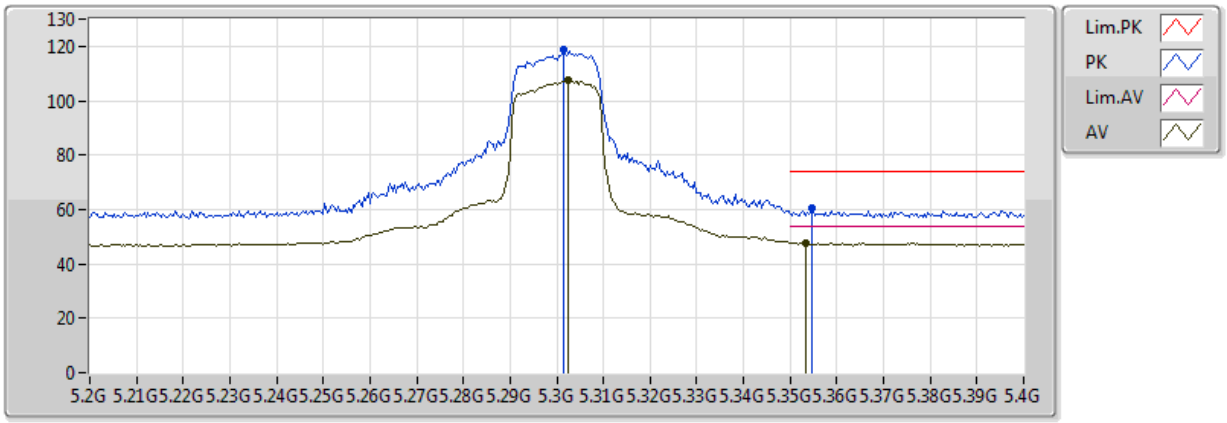


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77584G	47.93	54.00	-6.07	17.51	3	H	227	1.54	-
PK	15.77832G	73.94	74.00	-0.06	17.50	3	H	227	1.54	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

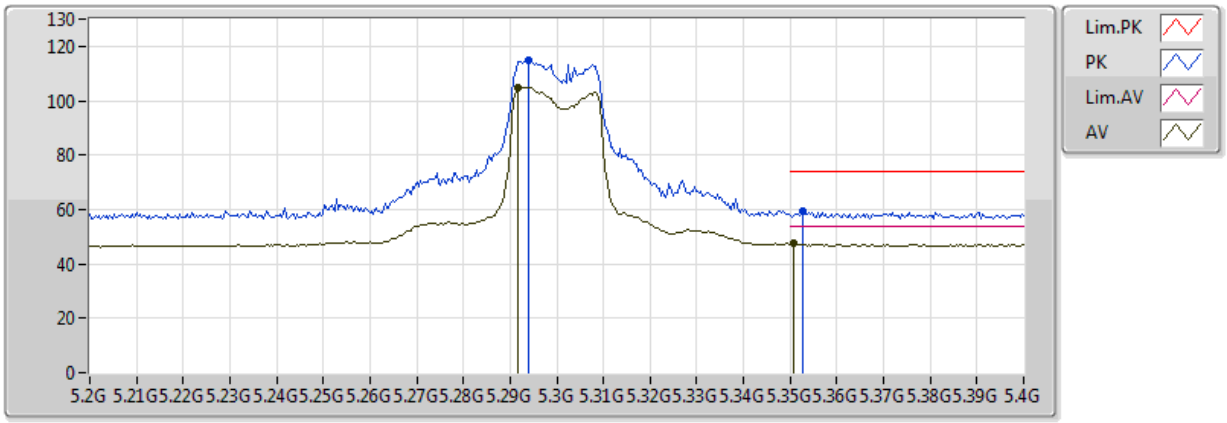


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3024G	107.60	Inf	-Inf	9.25	3	V	248	1.63	-
AV	5.3532G	47.66	54.00	-6.34	9.35	3	V	248	1.63	-
PK	5.3016G	118.55	Inf	-Inf	9.25	3	V	248	1.63	-
PK	5.3548G	60.28	74.00	-13.72	9.35	3	V	248	1.63	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

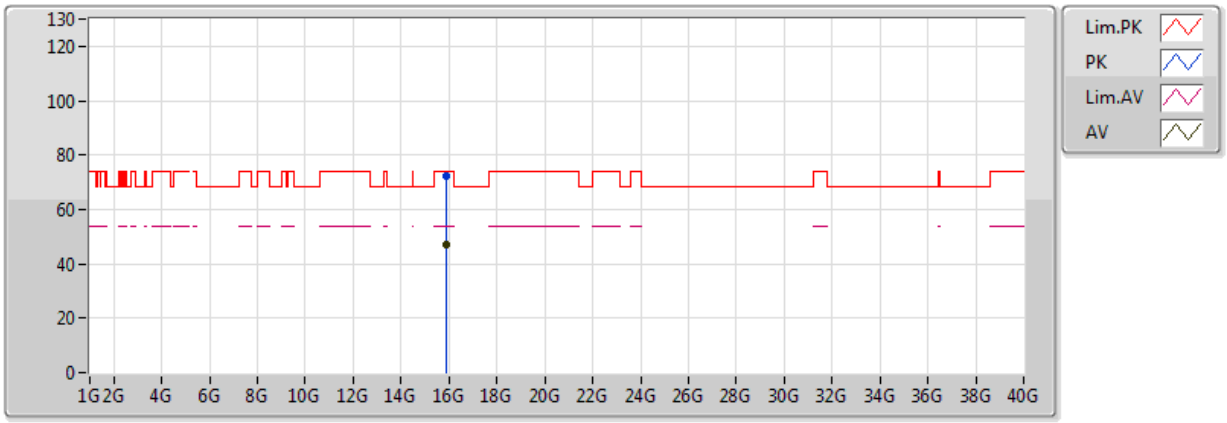


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2916G	104.77	Inf	-Inf	9.23	3	H	260	1.87	-
AV	5.3508G	47.38	54.00	-6.62	9.34	3	H	260	1.87	-
PK	5.294G	114.88	Inf	-Inf	9.24	3	H	260	1.87	-
PK	5.3528G	59.20	74.00	-14.80	9.35	3	H	260	1.87	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

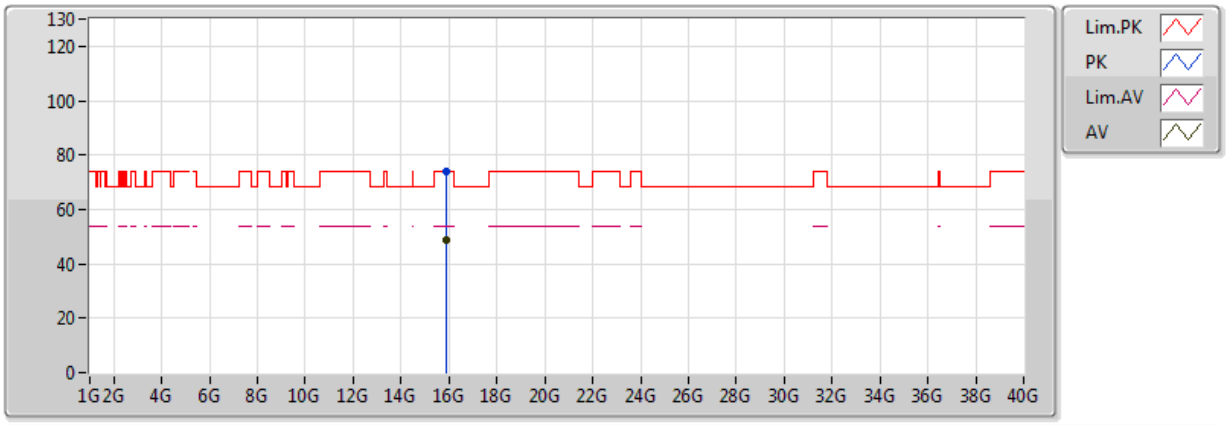


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.89736G	47.31	54.00	-6.69	17.19	3	V	249	2.79	-
PK	15.89824G	72.52	74.00	-1.48	17.19	3	V	249	2.79	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

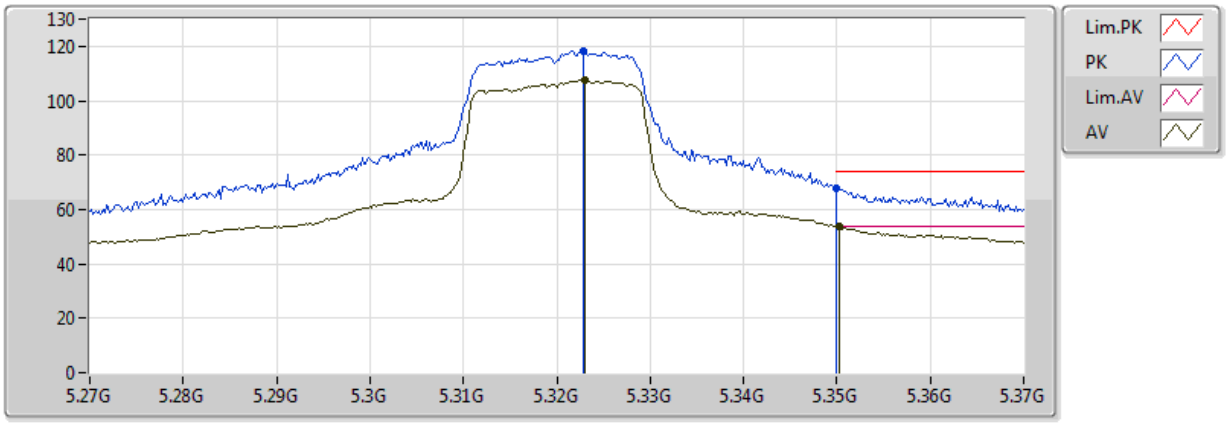


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.90056G	48.59	54.00	-5.41	17.19	3	H	229	1.57	-
PK	15.89912G	73.94	74.00	-0.06	17.19	3	H	229	1.57	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

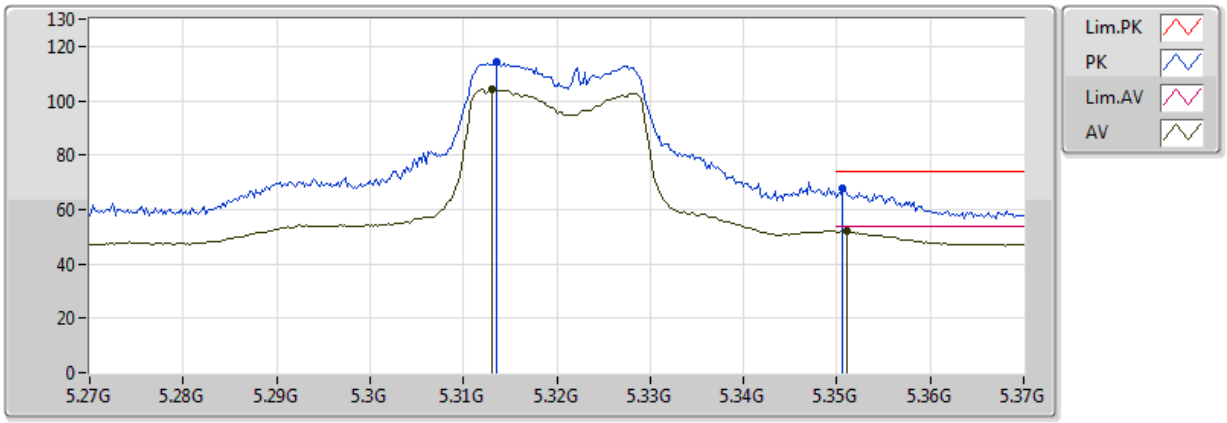


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.323G	107.47	Inf	-Inf	9.29	3	V	248	1.73	-
AV	5.3502G	53.75	54.00	-0.25	9.34	3	V	248	1.73	-
PK	5.3228G	118.25	Inf	-Inf	9.29	3	V	248	1.73	-
PK	5.350005G	67.57	74.00	-6.43	9.34	3	V	248	1.73	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

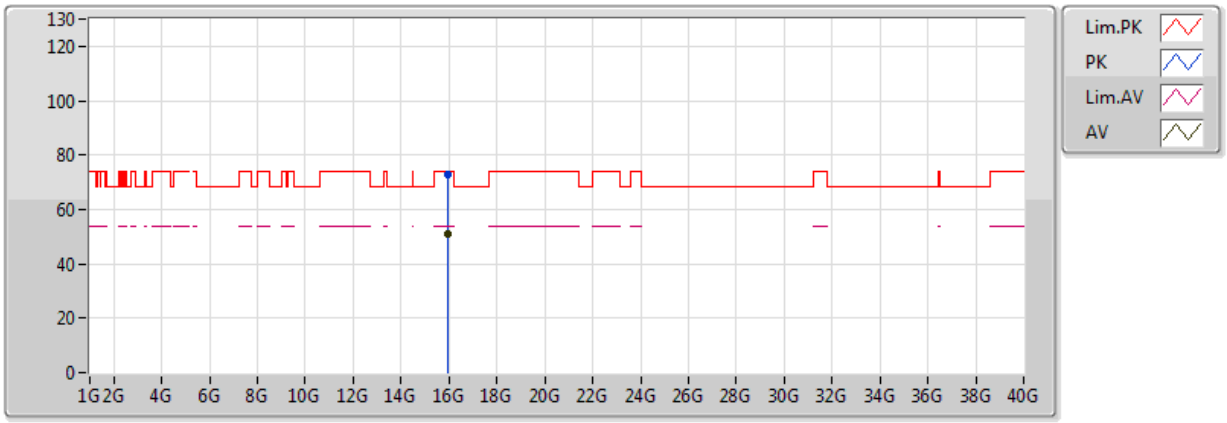


20170512
EUT Y 2TX
Setting 22
02-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.313G	104.05	Inf	-Inf	9.27	3	H	240	1.71	-
AV	5.351G	52.05	54.00	-1.95	9.34	3	H	240	1.71	-
PK	5.3136G	114.28	Inf	-Inf	9.27	3	H	240	1.71	-
PK	5.3506G	67.89	74.00	-6.11	9.34	3	H	240	1.71	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

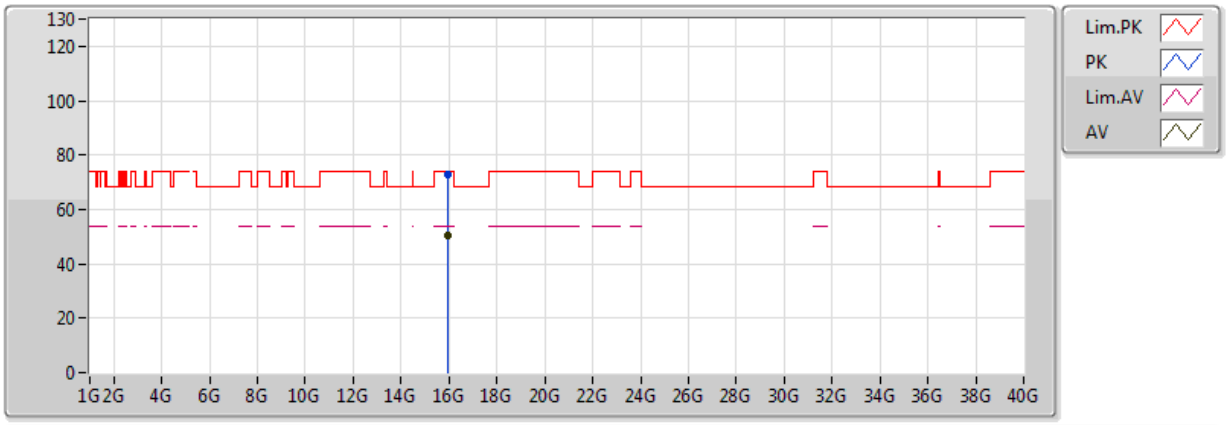


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.95568G	50.93	54.00	-3.07	17.04	3	V	244	2.75	-
PK	15.95744G	72.93	74.00	-1.07	17.04	3	V	244	2.75	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

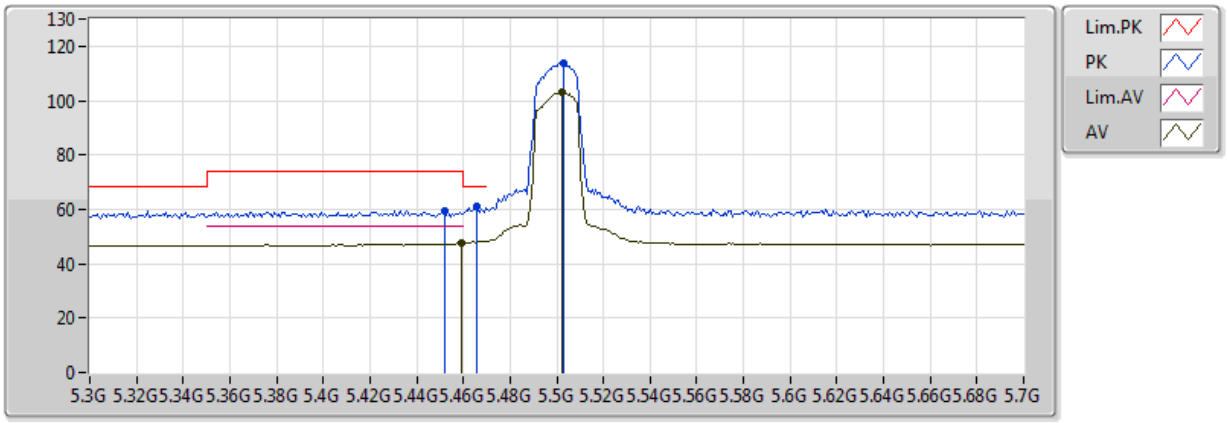


20170512
EUT Y 2TX
Setting 22
02-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.9592G	50.23	54.00	-3.77	17.03	3	H	229	1.54	-
PK	15.95896G	72.94	74.00	-1.06	17.04	3	H	229	1.54	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

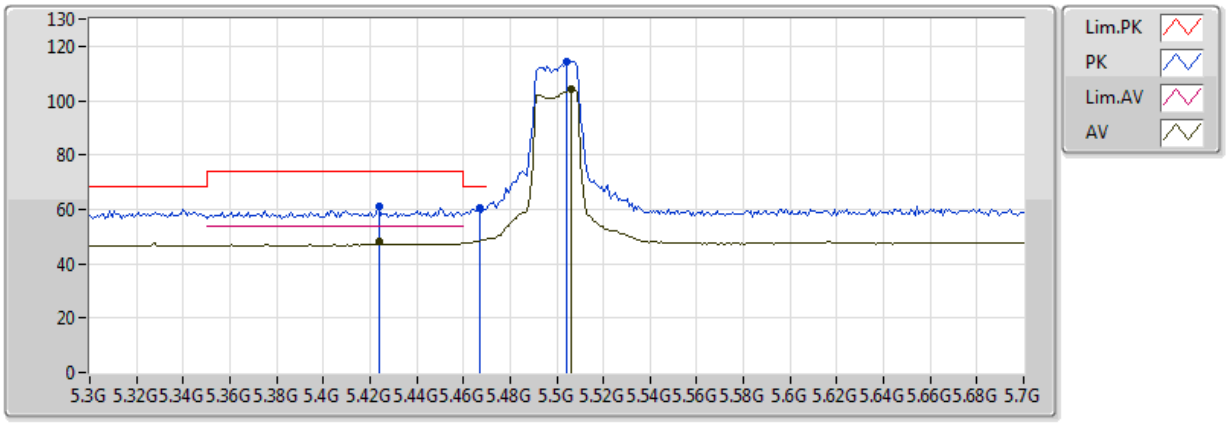


20170513
EUT Y 2TX
Setting 19.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4592G	47.46	54.00	-6.54	9.58	3	V	20	1.59	-
AV	5.5024G	103.33	Inf	-Inf	9.69	3	V	20	1.59	-
PK	5.452G	59.45	74.00	-14.55	9.57	3	V	20	1.59	-
PK	5.4656G	60.88	68.20	-7.32	9.60	3	V	20	1.59	-
PK	5.5032G	114.00	Inf	-Inf	9.69	3	V	20	1.59	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

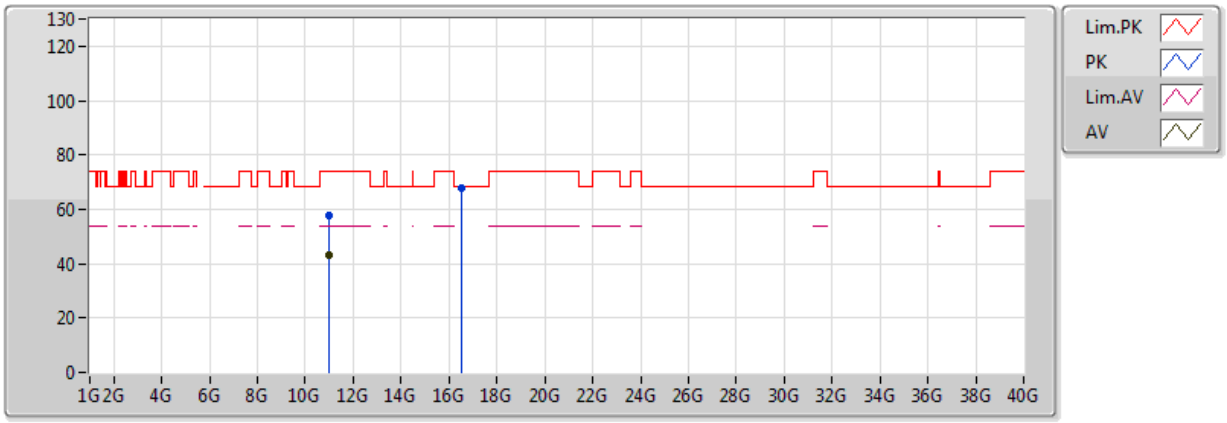


20170513
EUT Y 2TX
Setting 19.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.424G	48.41	54.00	-5.59	9.49	3	H	11	2.58	-
AV	5.5064G	104.00	Inf	-Inf	9.70	3	H	11	2.58	-
PK	5.424G	60.91	74.00	-13.09	9.49	3	H	11	2.58	-
PK	5.4672G	60.76	68.20	-7.44	9.60	3	H	11	2.58	-
PK	5.504G	114.55	Inf	-Inf	9.69	3	H	11	2.58	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

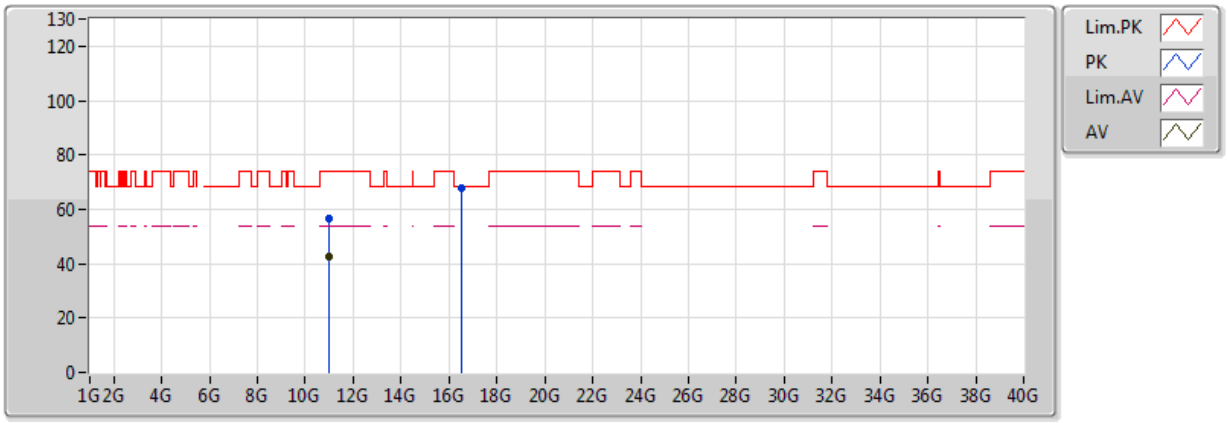


20170513
EUT Y 2TX
Setting 19.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.9997G	43.42	54.00	-10.58	15.83	3	V	359	2.61	-
PK	11.0006G	57.61	74.00	-16.39	15.83	3	V	359	2.61	-
PK	16.49814G	67.74	68.20	-0.46	19.06	3	V	352	2.64	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

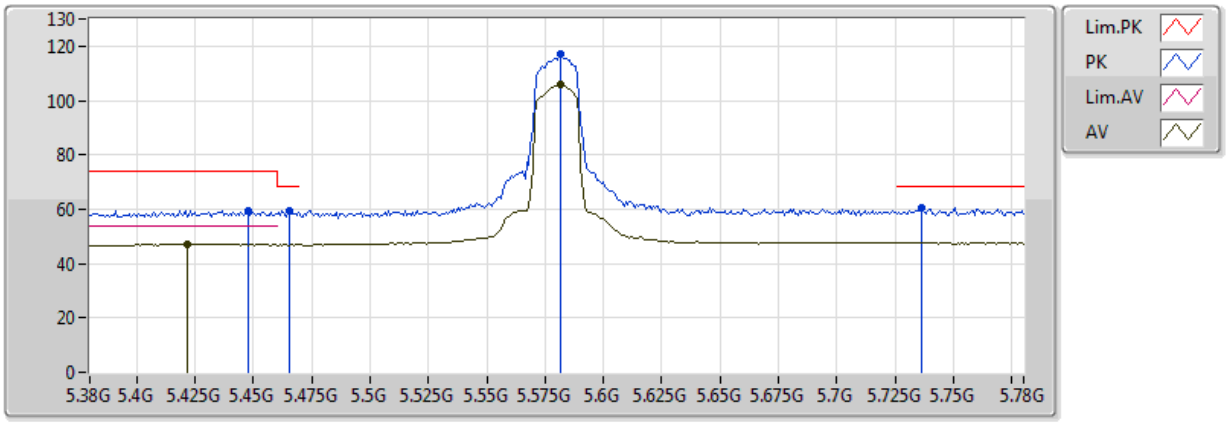


20170513
EUT Y 2TX
Setting 19.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00528G	42.76	54.00	-11.24	15.84	3	H	52	2.09	-
PK	11.00696G	56.35	74.00	-17.65	15.84	3	H	52	2.09	-
PK	16.49886G	67.79	68.20	-0.41	19.07	3	H	311	2.06	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

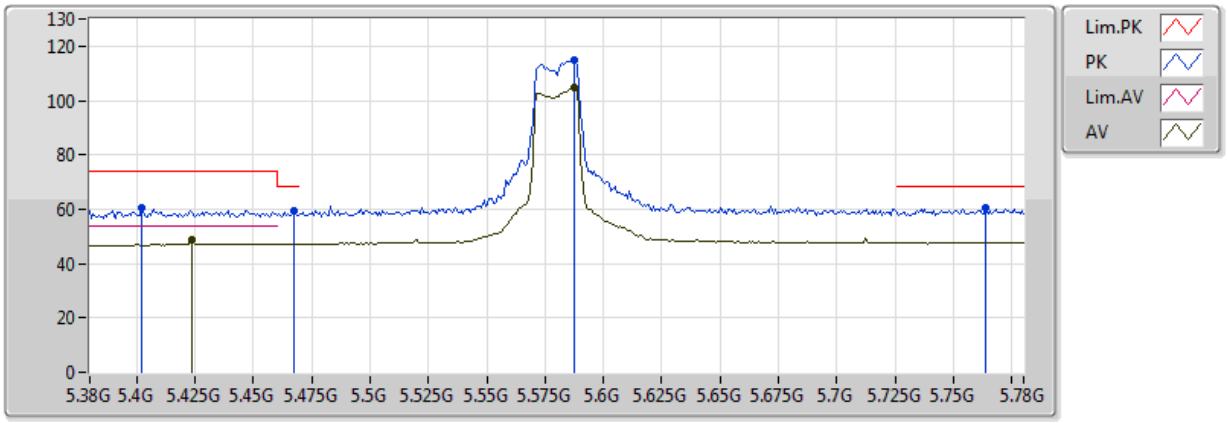


20170513
EUT Y 2TX
Setting 19.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4216G	47.15	54.00	-6.85	9.49	3	V	14	2.42	-
AV	5.5816G	105.82	Inf	-Inf	9.76	3	V	14	2.42	-
PK	5.448G	59.64	74.00	-14.36	9.55	3	V	14	2.42	-
PK	5.4656G	59.49	68.20	-8.71	9.60	3	V	14	2.42	-
PK	5.5816G	116.96	Inf	-Inf	9.76	3	V	14	2.42	-
PK	5.736G	60.52	68.20	-7.68	9.81	3	V	14	2.42	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

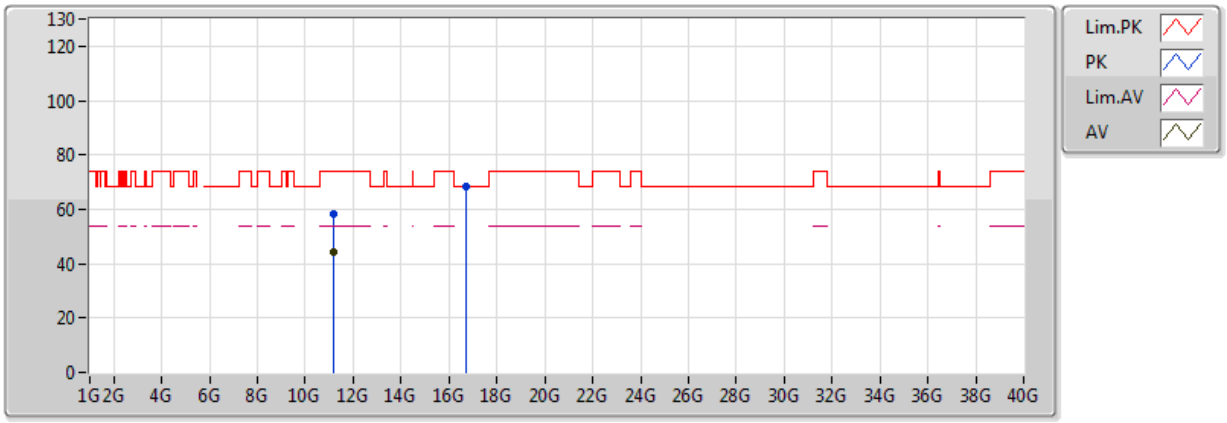


20170513
EUT Y 2TX
Setting 19.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.424G	48.84	54.00	-5.16	9.49	3	H	7	2.39	-
AV	5.5872G	104.53	Inf	-Inf	9.77	3	H	7	2.39	-
PK	5.4024G	60.25	74.00	-13.75	9.44	3	H	7	2.39	-
PK	5.4672G	59.17	68.20	-9.03	9.60	3	H	7	2.39	-
PK	5.5872G	114.60	Inf	-Inf	9.77	3	H	7	2.39	-
PK	5.764G	60.55	68.20	-7.65	9.81	3	H	7	2.39	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

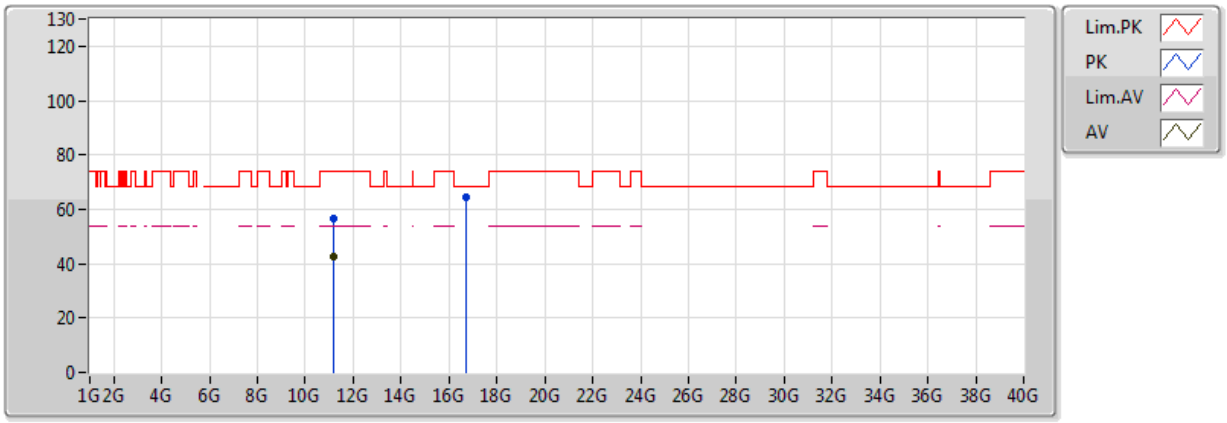


20170513
EUT Y 2TX
Setting 19.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16258G	44.10	54.00	-9.90	15.99	3	V	355	2.05	-
PK	11.16102G	58.46	74.00	-15.54	15.99	3	V	355	2.05	-
PK	16.73904G	68.15	68.20	-0.05	20.09	3	V	25	1.79	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

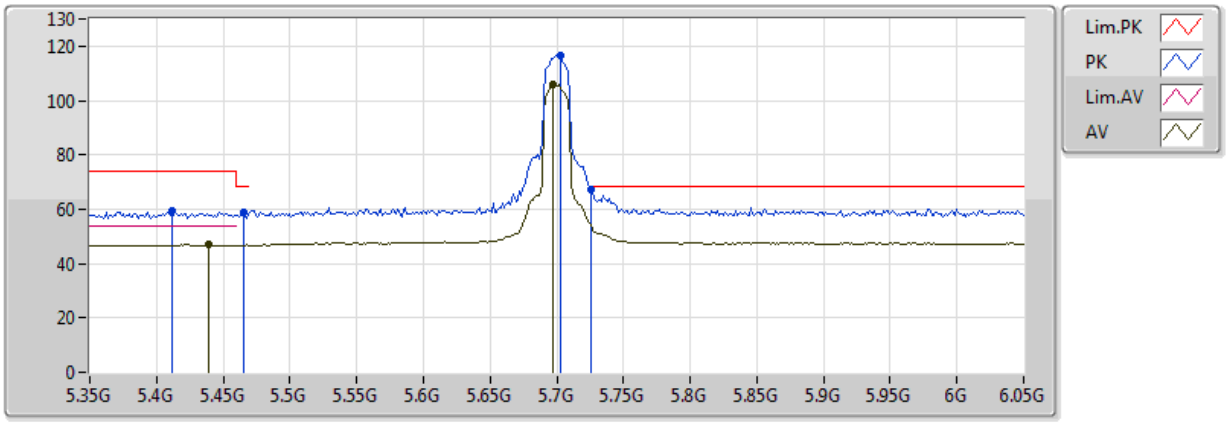


20170513
EUT Y 2TX
Setting 19.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16354G	42.35	54.00	-11.65	15.99	3	H	67	1.17	-
PK	11.15952G	56.45	74.00	-17.55	15.99	3	H	67	1.17	-
PK	16.73832G	64.48	68.20	-3.72	20.09	3	H	8	1.51	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

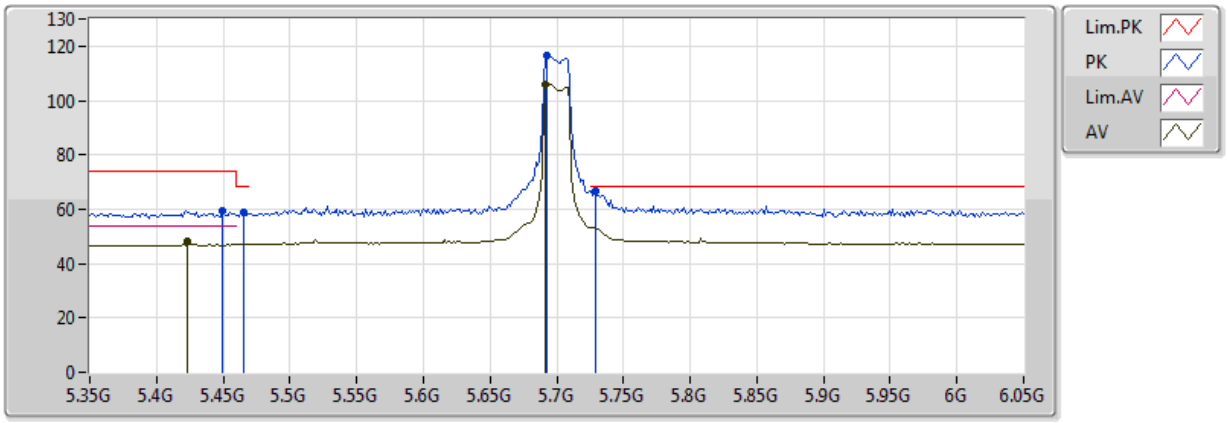


20170513
EUT Y 2TX
Setting 19.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4396G	46.87	54.00	-7.13	9.53	3	V	352	2.44	-
AV	5.6972G	106.06	Inf	-Inf	9.80	3	V	352	2.44	-
PK	5.4116G	59.36	74.00	-14.64	9.46	3	V	352	2.44	-
PK	5.4648G	58.64	68.20	-9.56	9.60	3	V	352	2.44	-
PK	5.7028G	116.45	Inf	-Inf	9.80	3	V	352	2.44	-
PK	5.7252G	67.35	68.20	-0.85	9.81	3	V	352	2.44	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

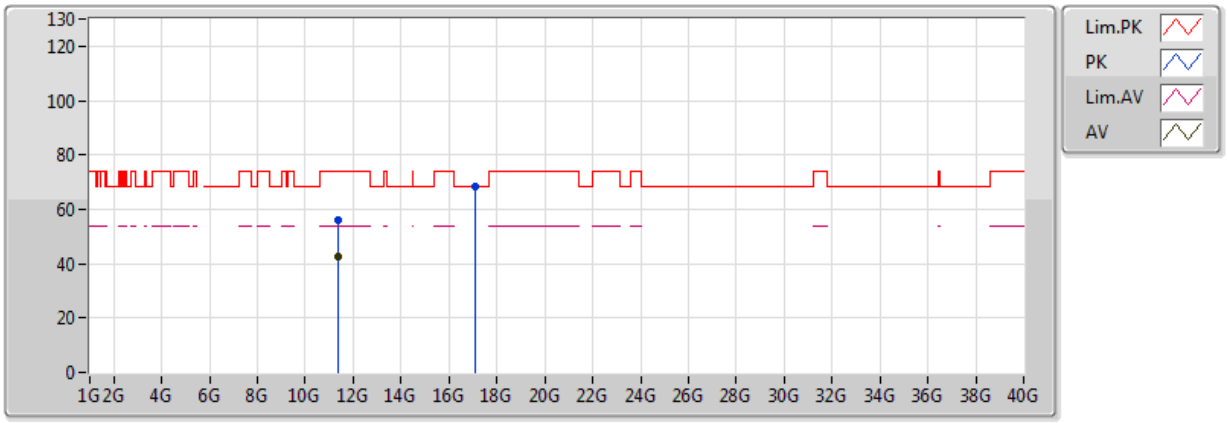


20170513
EUT Y 2TX
Setting 19.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4228G	48.04	54.00	-5.96	9.49	3	H	22	2.35	-
AV	5.6916G	106.04	Inf	-Inf	9.80	3	H	22	2.35	-
PK	5.4494G	59.48	74.00	-14.52	9.56	3	H	22	2.35	-
PK	5.4648G	58.69	68.20	-9.51	9.60	3	H	22	2.35	-
PK	5.693G	116.71	Inf	-Inf	9.80	3	H	22	2.35	-
PK	5.7294G	66.84	68.20	-1.36	9.81	3	H	22	2.35	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

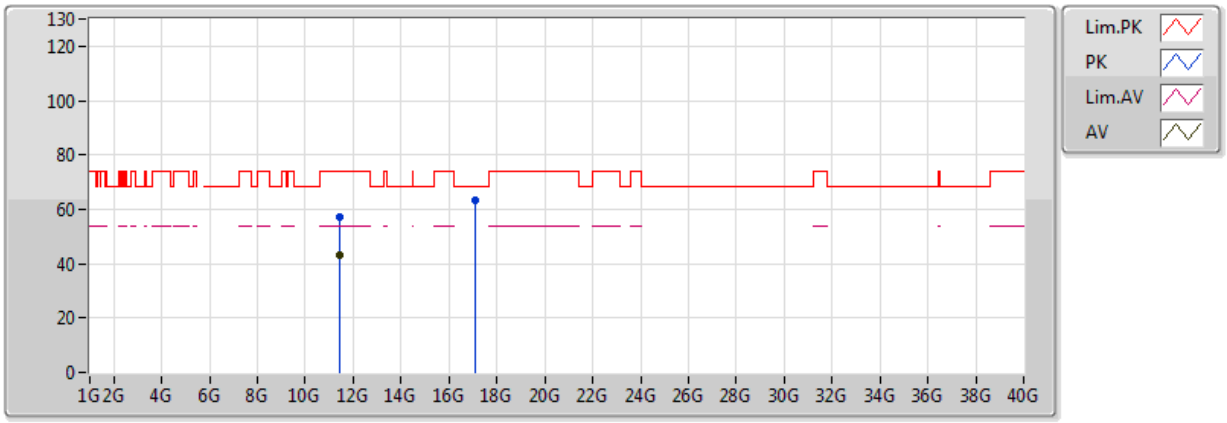


20170513
EUT Y 2TX
Setting 19.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39604G	42.73	54.00	-11.27	16.22	3	V	343	1.43	-
PK	11.38788G	56.22	74.00	-17.78	16.21	3	V	343	1.43	-
PK	17.09874G	68.09	68.20	-0.11	21.79	3	V	30	2.53	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

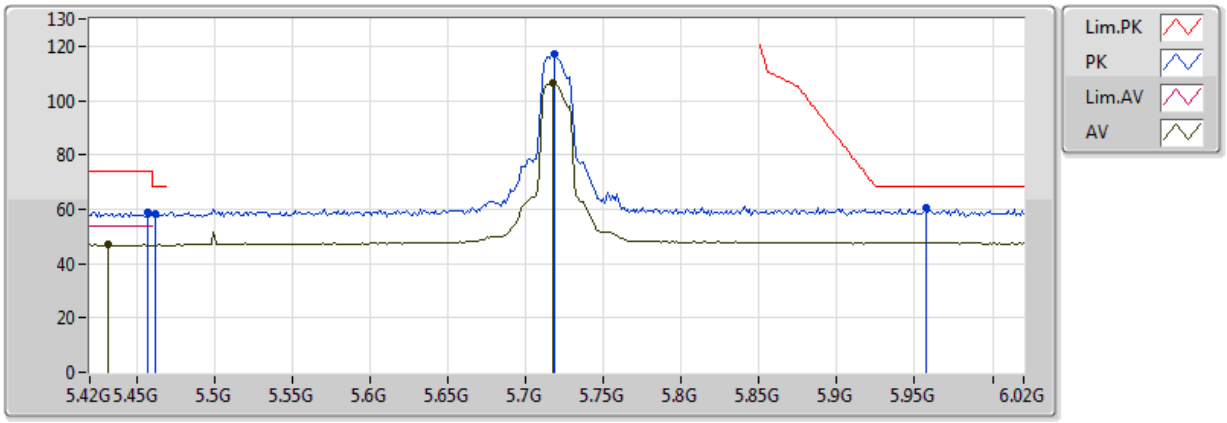


20170513
EUT Y 2TX
Setting 19.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4033G	43.22	54.00	-10.78	16.23	3	H	68	2.58	-
PK	11.40438G	57.13	74.00	-16.87	16.23	3	H	68	2.58	-
PK	17.10504G	63.56	68.20	-4.64	21.83	3	H	343	1.51	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz_TX

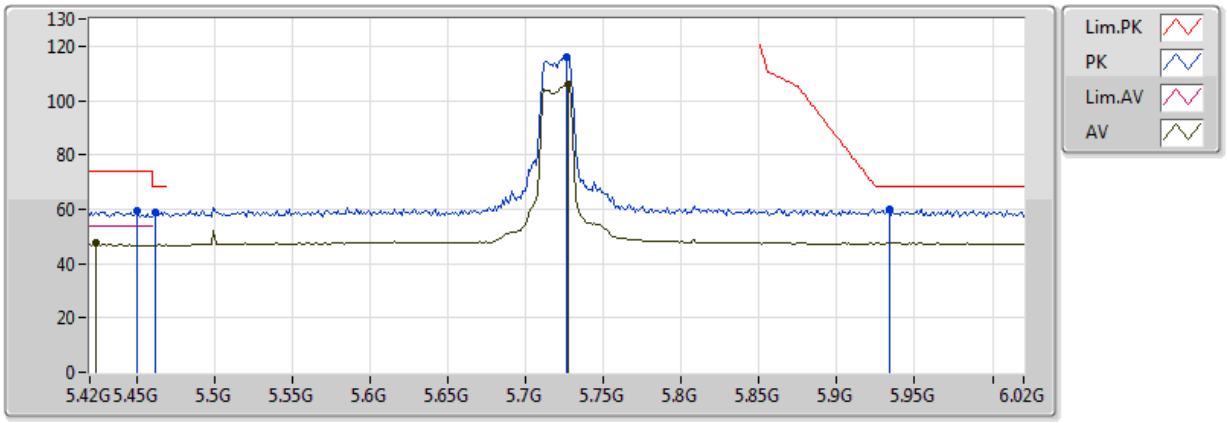


20170513
EUT Y 2TX
Setting 20
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.432G	46.85	54.00	-7.15	9.51	3	V	353	2.33	-
AV	5.7176G	106.62	Inf	-Inf	9.80	3	V	353	2.33	-
PK	5.4572G	59.10	74.00	-14.90	9.58	3	V	353	2.33	-
PK	5.462G	58.16	68.20	-10.04	9.59	3	V	353	2.33	-
PK	5.7188G	117.07	Inf	-Inf	9.80	3	V	353	2.33	-
PK	5.9576G	60.44	68.20	-7.76	10.04	3	V	353	2.33	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz_TX

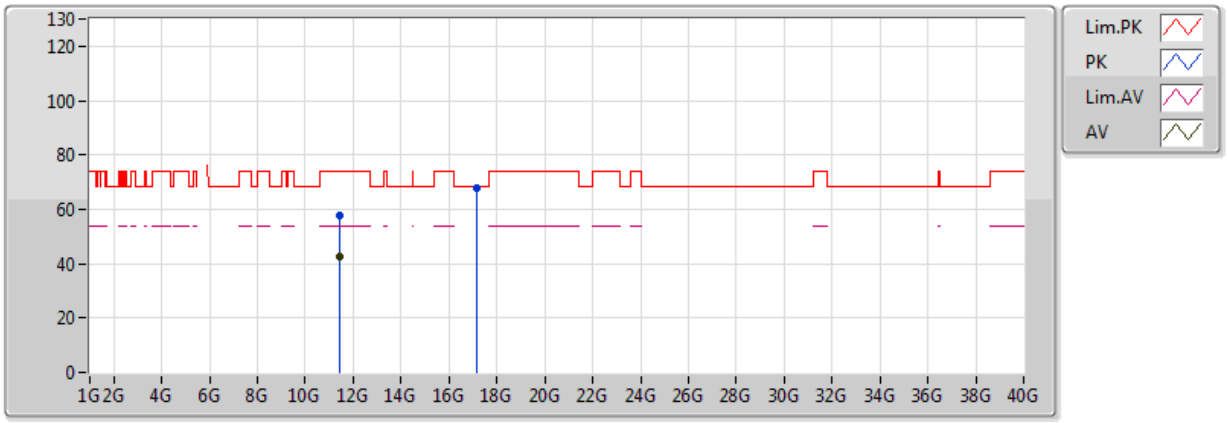


20170513
EUT Y 2TX
Setting 20
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4236G	47.56	54.00	-6.44	9.49	3	H	1	2.42	-
AV	5.7272G	105.77	Inf	-Inf	9.81	3	H	1	2.42	-
PK	5.45G	59.30	74.00	-14.70	9.56	3	H	1	2.42	-
PK	5.462G	58.83	68.20	-9.37	9.59	3	H	1	2.42	-
PK	5.726G	116.27	Inf	-Inf	9.81	3	H	1	2.42	-
PK	5.9336G	60.11	68.20	-8.09	10.01	3	H	1	2.42	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz_TX

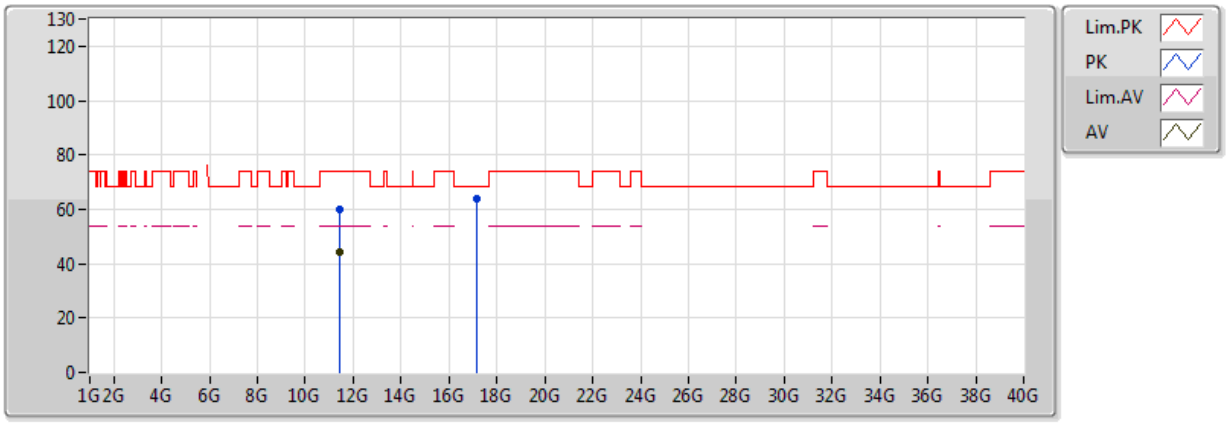


20170513
EUT Y 2TX
Setting 20
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.44822G	42.76	54.00	-11.24	16.27	3	V	48	1.00	-
PK	11.43694G	57.60	74.00	-16.40	16.26	3	V	48	1.00	-
PK	17.15862G	68.02	68.20	-0.18	22.15	3	V	26	2.56	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz_TX

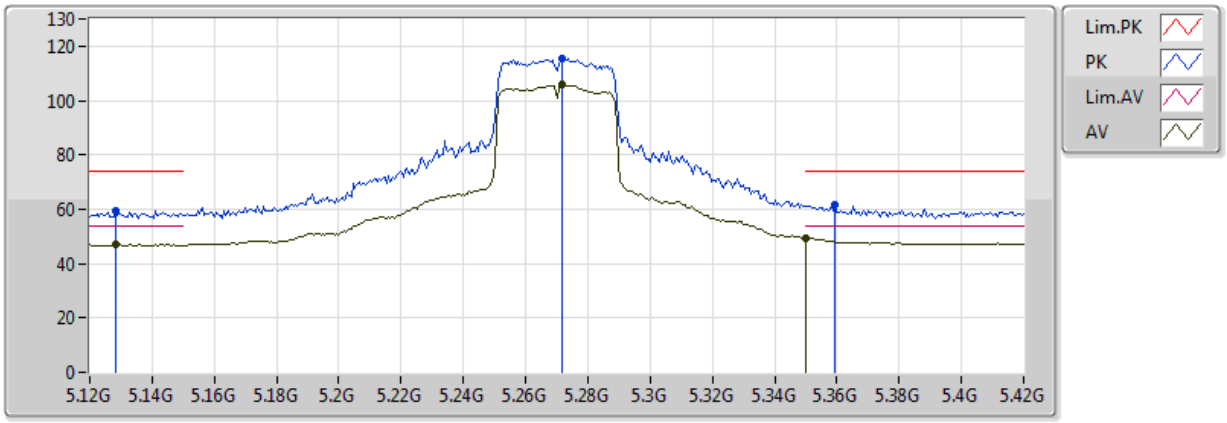


20170513
EUT Y 2TX
Setting 20
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.43448G	44.29	54.00	-9.71	16.26	3	H	48	2.97	-
PK	11.43292G	59.70	74.00	-14.30	16.26	3	H	48	2.97	-
PK	17.15814G	64.02	68.20	-4.18	22.14	3	H	339	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

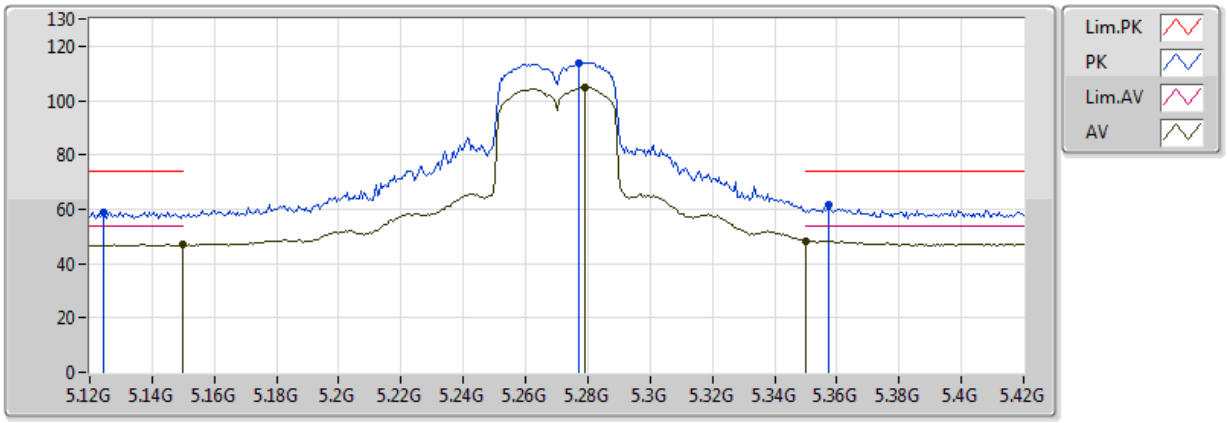


20170513
EUT Y 2TX
Setting 22.5
02-P-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1284G	47.01	54.00	-6.99	8.87	3	V	12	2.30	-
AV	5.2718G	106.10	Inf	-Inf	9.20	3	V	12	2.30	-
AV	5.350005G	49.50	54.00	-4.50	9.34	3	V	12	2.30	-
PK	5.1284G	59.34	74.00	-14.66	8.87	3	V	12	2.30	-
PK	5.2718G	115.53	Inf	-Inf	9.20	3	V	12	2.30	-
PK	5.3594G	61.41	74.00	-12.59	9.36	3	V	12	2.30	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

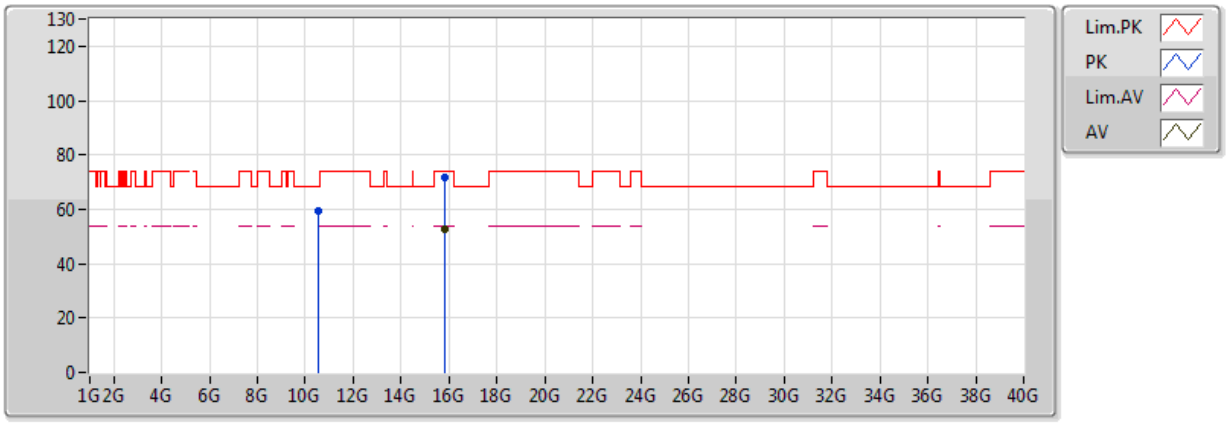


20170513
EUT Y 2TX
Setting 22.5
02-P-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	46.99	54.00	-7.01	8.93	3	H	17	2.50	-
AV	5.279G	104.99	Inf	-Inf	9.21	3	H	17	2.50	-
AV	5.350005G	48.44	54.00	-5.56	9.34	3	H	17	2.50	-
PK	5.1242G	58.88	74.00	-15.12	8.86	3	H	17	2.50	-
PK	5.2772G	114.00	Inf	-Inf	9.21	3	H	17	2.50	-
PK	5.3576G	61.88	74.00	-12.12	9.35	3	H	17	2.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

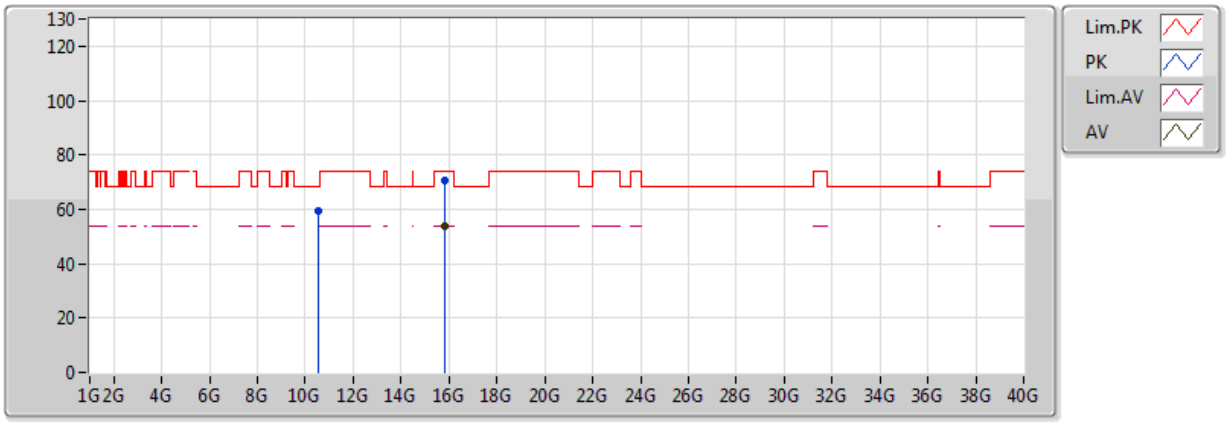


20170513
EUT Y 2TX
Setting 22.5
02-P-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.81168G	52.74	54.00	-1.26	17.41	3	V	9	1.30	-
PK	10.5463G	59.60	68.20	-8.60	16.13	3	V	307	2.05	-
PK	15.81096G	71.98	74.00	-2.02	17.42	3	V	9	1.30	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

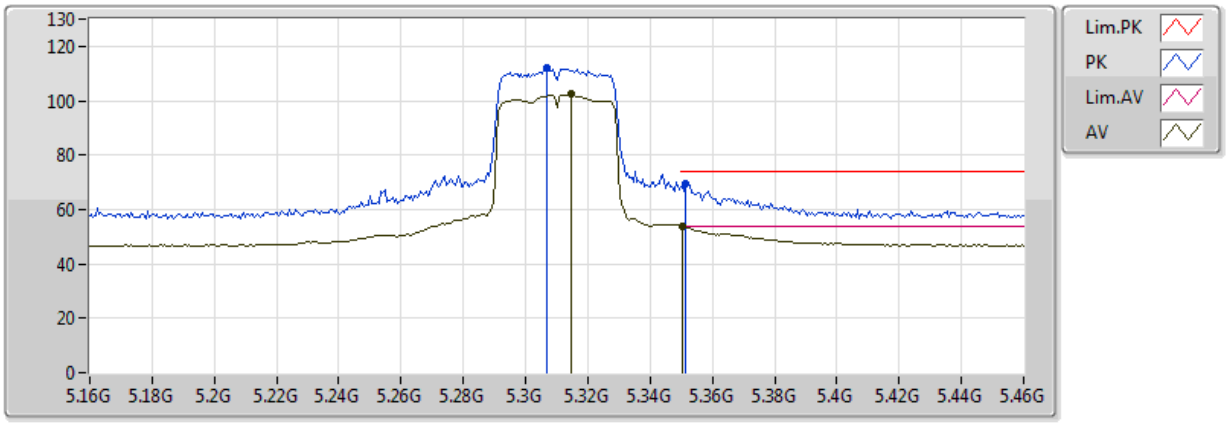


20170513
EUT Y 2TX
Setting 22.5
02-P-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.80082G	53.91	54.00	-0.09	17.44	3	H	323	1.90	-
PK	10.5343G	59.22	68.20	-8.98	16.14	3	H	58	1.73	-
PK	15.80304G	70.49	74.00	-3.51	17.44	3	H	323	1.90	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

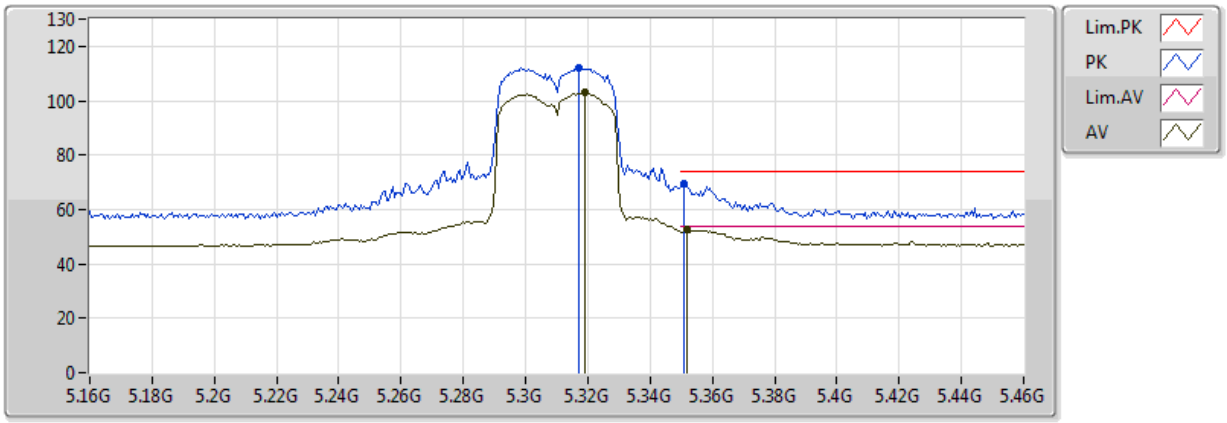


20170513
EUT Y 2TX
Setting 21
02-P-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3148G	102.31	Inf	-Inf	9.28	3	V	25	2.37	-
AV	5.3502G	53.95	54.00	-0.05	9.34	3	V	25	2.37	-
PK	5.307G	112.09	Inf	-Inf	9.26	3	V	25	2.37	-
PK	5.3514G	69.69	74.00	-4.31	9.34	3	V	25	2.37	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

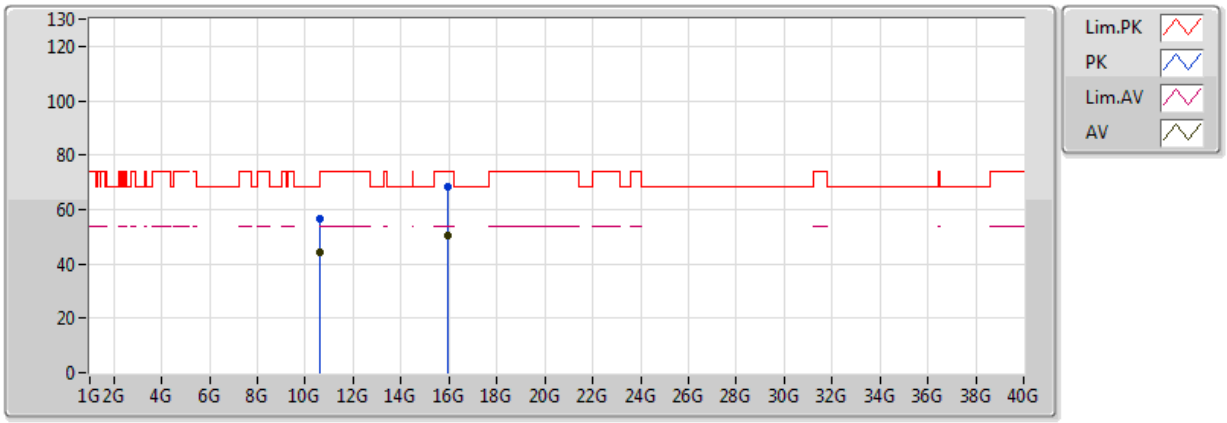


20170513
EUT Y 2TX
Setting 21
02-P-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.319G	103.02	Inf	-Inf	9.28	3	H	359	2.46	-
AV	5.352G	52.40	54.00	-1.60	9.34	3	H	359	2.46	-
PK	5.3172G	111.91	Inf	-Inf	9.28	3	H	359	2.46	-
PK	5.3508G	69.70	74.00	-4.30	9.34	3	H	359	2.46	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

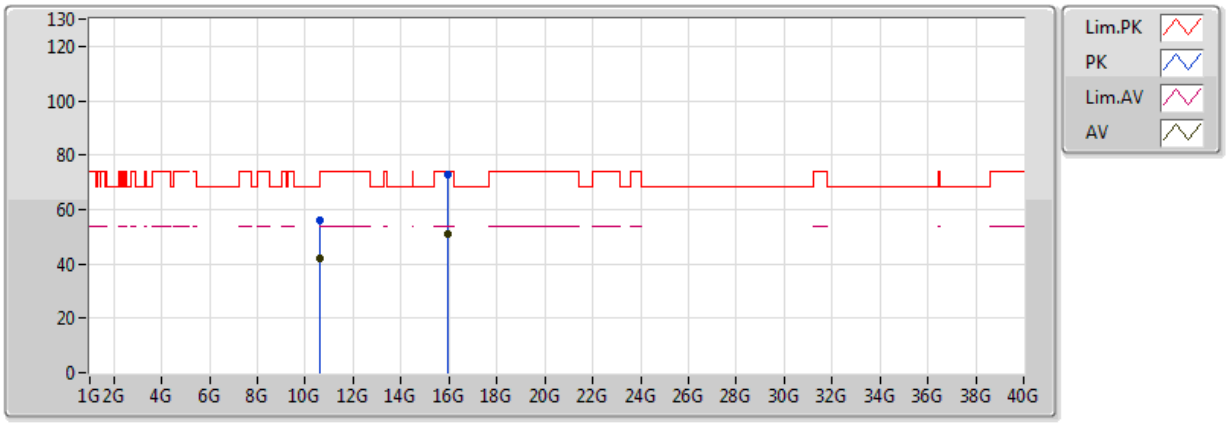


20170513
EUT Y 2TX
Setting 21
02-P-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.61994G	44.06	54.00	-9.94	16.08	3	V	1	1.84	-
AV	15.93366G	50.70	54.00	-3.30	17.10	3	V	10	2.33	-
PK	10.62468G	56.50	74.00	-17.50	16.08	3	V	1	1.84	-
PK	15.93072G	68.24	74.00	-5.76	17.11	3	V	10	2.33	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

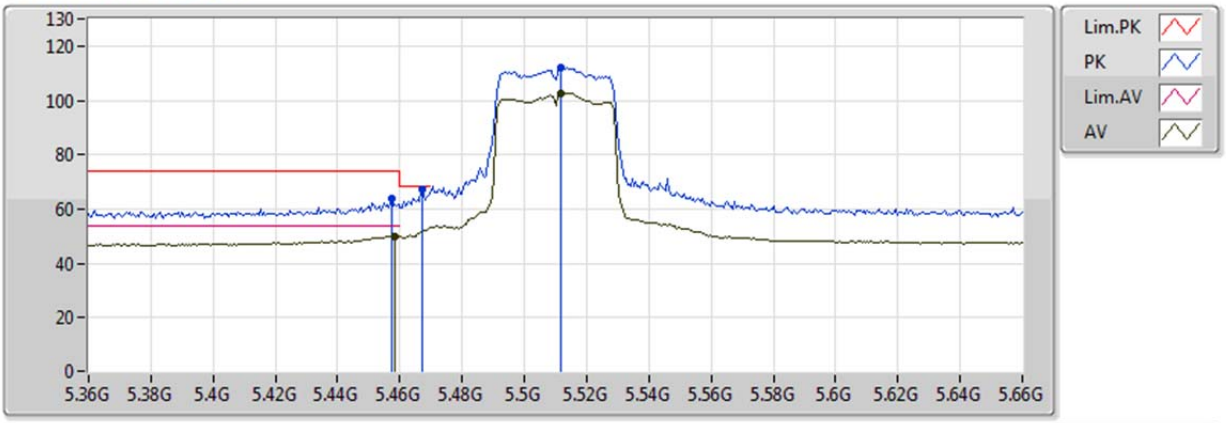


20170513
EUT Y 2TX
Setting 21
02-P-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.62648G	41.97	54.00	-12.03	16.08	3	H	55	2.35	-
AV	15.9309G	50.83	54.00	-3.17	17.11	3	H	34	1.81	-
PK	10.62396G	56.28	74.00	-17.72	16.08	3	H	55	2.35	-
PK	15.93072G	72.87	74.00	-1.13	17.11	3	H	34	1.81	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

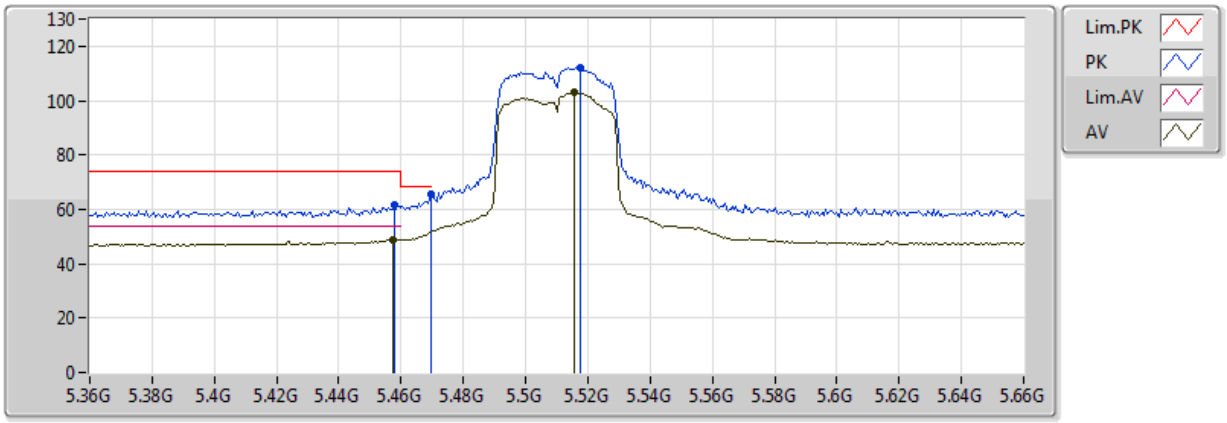


20170513
EUT Y 2TX
Setting 20
02-P-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4584G	49.88	54.00	-4.12	9.58	3	V	14	2.16	-
AV	5.5118G	102.66	Inf	-Inf	9.70	3	V	14	2.16	-
PK	5.4572G	63.67	74.00	-10.33	9.58	3	V	14	2.16	-
PK	5.4674G	67.19	68.20	-1.01	9.61	3	V	14	2.16	-
PK	5.5118G	112.13	Inf	-Inf	9.70	3	V	14	2.16	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

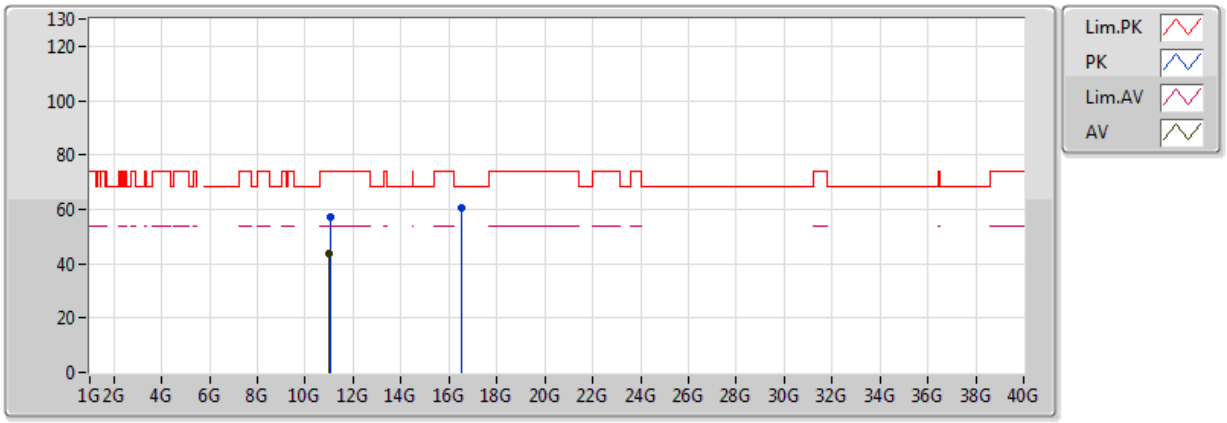


20170513
EUT Y 2TX
Setting 20
02-P-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4572G	48.85	54.00	-5.15	9.58	3	H	1	2.80	-
AV	5.5154G	103.11	Inf	-Inf	9.70	3	H	1	2.80	-
PK	5.4578G	61.41	74.00	-12.59	9.58	3	H	1	2.80	-
PK	5.4698G	65.30	68.20	-2.90	9.61	3	H	1	2.80	-
PK	5.5178G	112.17	Inf	-Inf	9.71	3	H	1	2.80	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

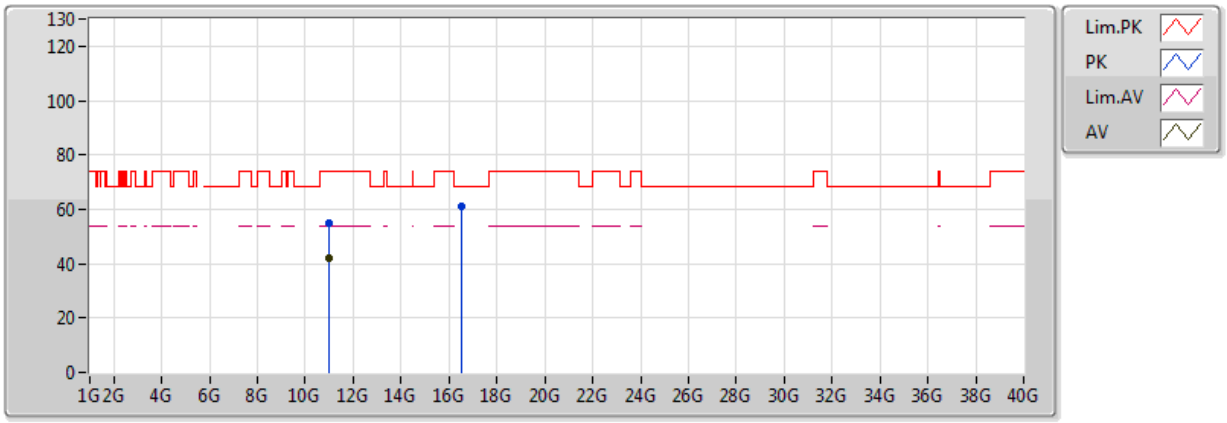


20170513
EUT Y 2TX
Setting 20
02-P-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.02G	43.55	54.00	-10.45	15.85	3	V	2	2.06	-
PK	11.02468G	56.88	74.00	-17.12	15.85	3	V	2	2.06	-
PK	16.51878G	60.72	68.20	-7.48	19.15	3	V	358	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

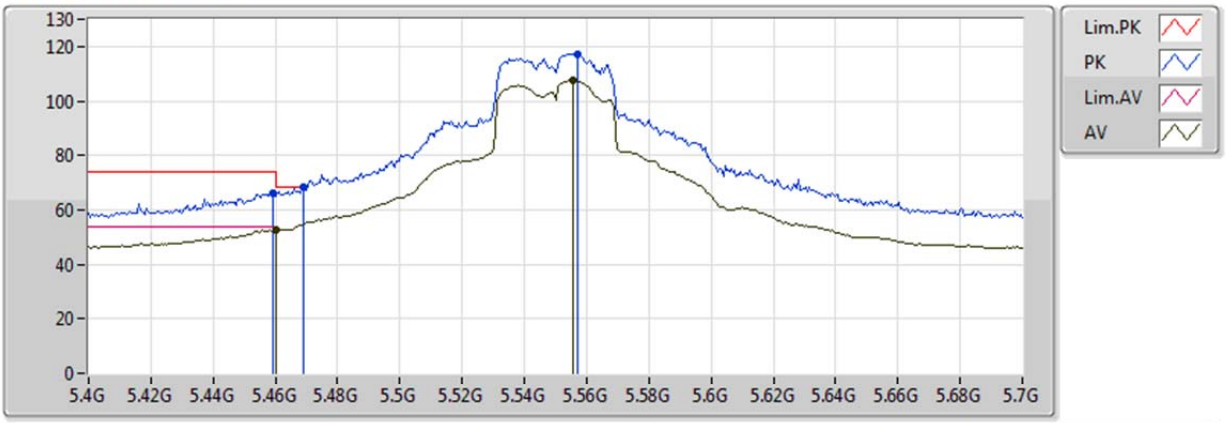


20170513
EUT Y 2TX
Setting 20
02-P-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.01982G	41.79	54.00	-12.21	15.85	3	H	24	1.91	-
PK	11.01484G	54.79	74.00	-19.21	15.84	3	H	24	1.91	-
PK	16.53732G	60.80	68.20	-7.40	19.23	3	H	308	2.04	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

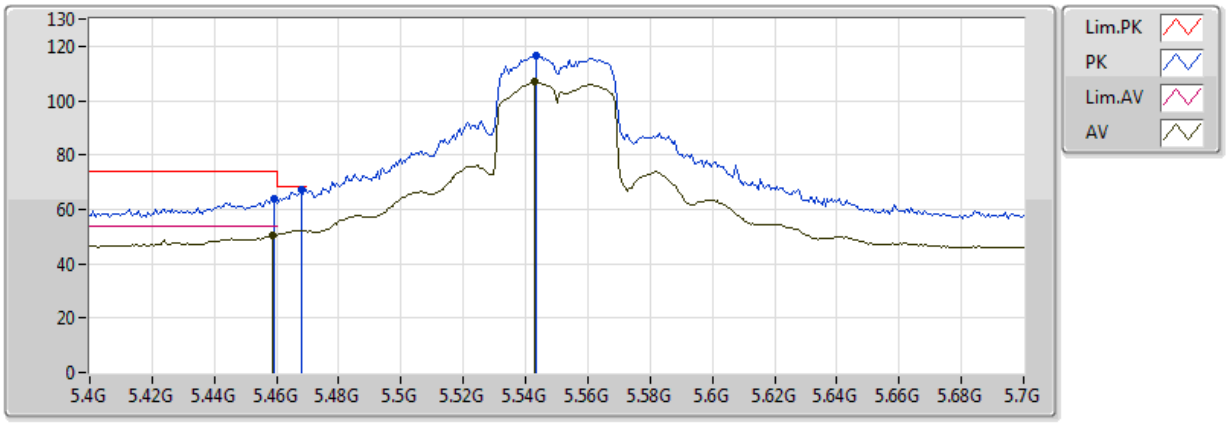


20170518
EUT Y_2TX
Setting 24.5
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	52.59	54.00	-1.41	6.06	3	V	335	1.47	-
AV	5.5554G	107.59	Inf	-Inf	6.20	3	V	335	1.47	-
PK	5.4594G	66.25	74.00	-7.75	6.06	3	V	335	1.47	-
PK	5.469G	68.11	68.20	-0.09	6.08	3	V	335	1.47	-
PK	5.5572G	117.28	Inf	-Inf	6.21	3	V	335	1.47	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

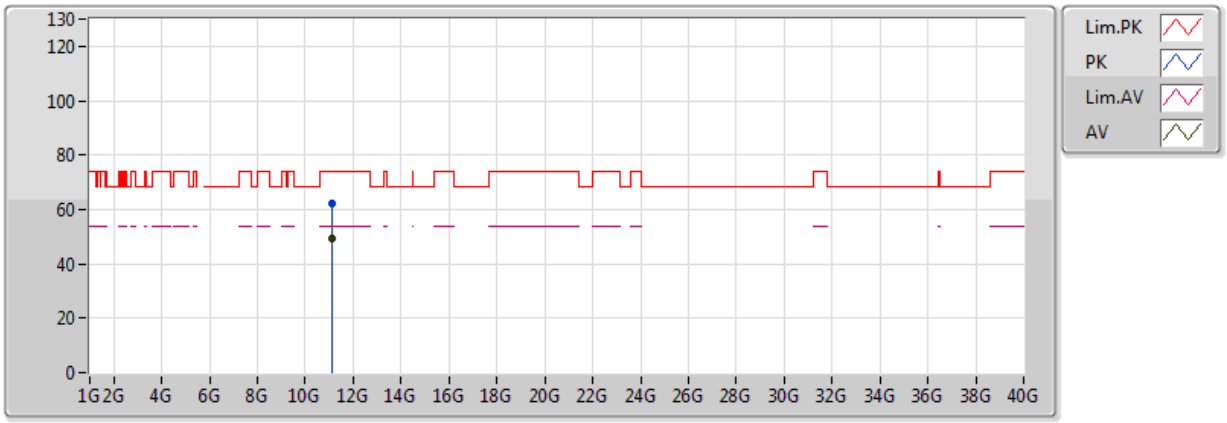


20170518
EUT Y_2TX
Setting 24.5
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4588G	50.40	54.00	-3.60	6.06	3	H	355	1.64	-
AV	5.5428G	106.82	Inf	-Inf	6.19	3	H	355	1.64	-
PK	5.4594G	63.91	74.00	-10.09	6.06	3	H	355	1.64	-
PK	5.4678G	67.07	68.20	-1.13	6.08	3	H	355	1.64	-
PK	5.5434G	116.38	Inf	-Inf	6.19	3	H	355	1.64	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

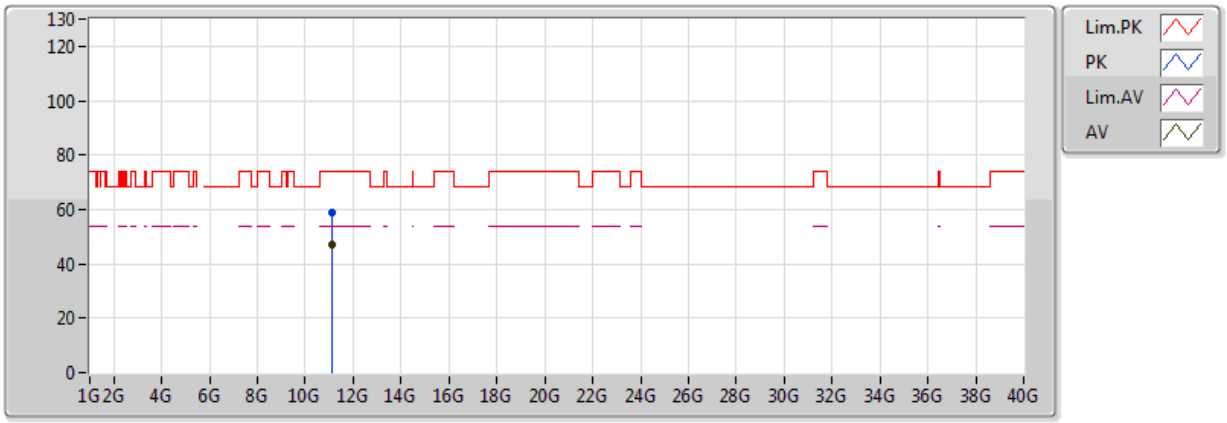


20170518
EUT Y_2TX
Setting 24.5
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.1G	49.05	54.00	-4.95	13.02	3	V	3	1.50	-
PK	11.1036G	62.09	74.00	-11.91	13.03	3	V	3	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

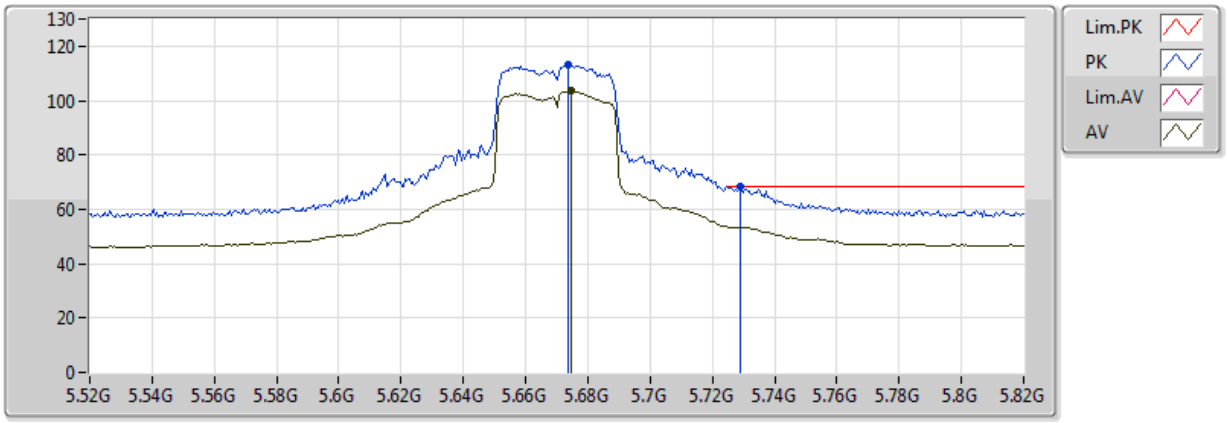


20170518
EUT Y_2TX
Setting 24.5
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.10006G	47.05	54.00	-6.95	13.02	3	H	315	1.56	-
PK	11.0991G	59.03	74.00	-14.97	13.02	3	H	315	1.56	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

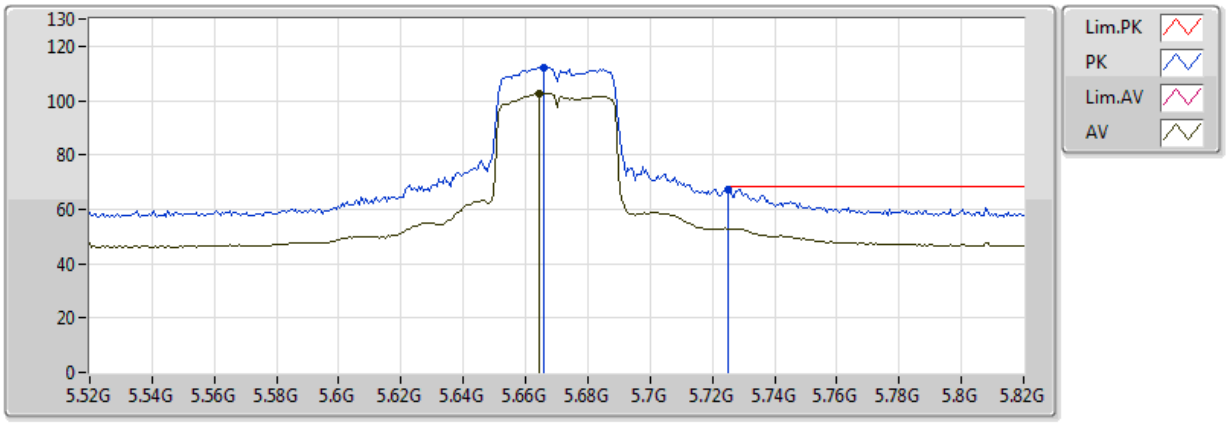


20170518
EUT Y_2TX
Setting 21
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6748G	103.44	Inf	-Inf	6.25	3	V	354	1.70	-
PK	5.6736G	112.95	Inf	-Inf	6.25	3	V	354	1.70	-
PK	5.7288G	68.09	68.20	-0.11	6.25	3	V	354	1.70	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

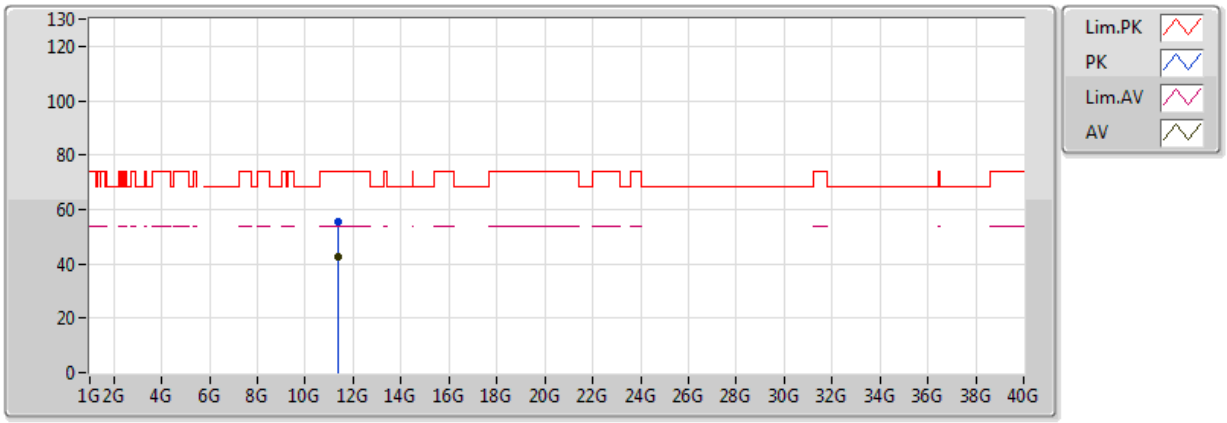


20170518
EUT Y_2TX
Setting 21
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6646G	102.69	Inf	-Inf	6.25	3	H	7	1.85	-
PK	5.6658G	111.93	Inf	-Inf	6.25	3	H	7	1.85	-
PK	5.7252G	67.41	68.20	-0.79	6.25	3	H	7	1.85	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

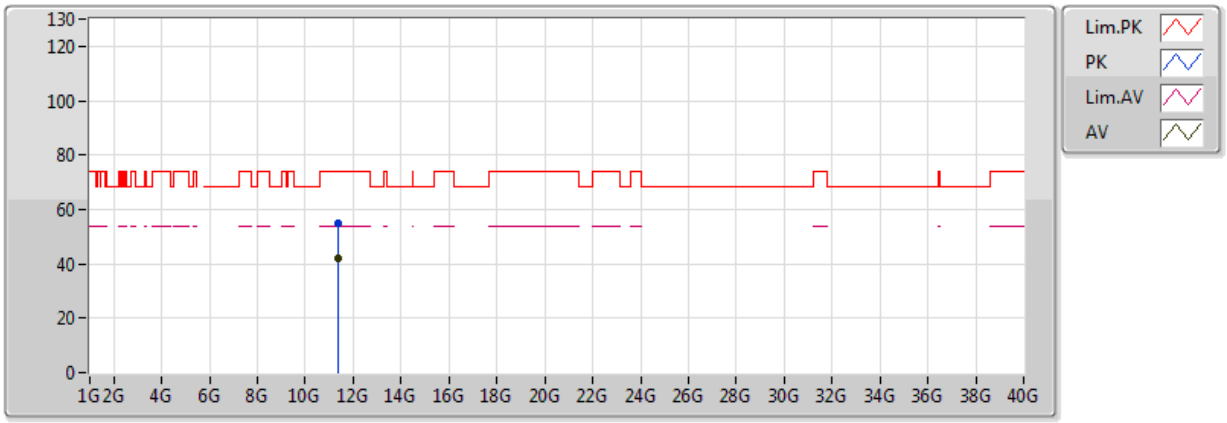


20170518
EUT Y_2TX
Setting 21
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.33996G	42.59	54.00	-11.41	13.27	3	V	20	1.53	-
PK	11.34004G	55.50	74.00	-18.50	13.27	3	V	20	1.53	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

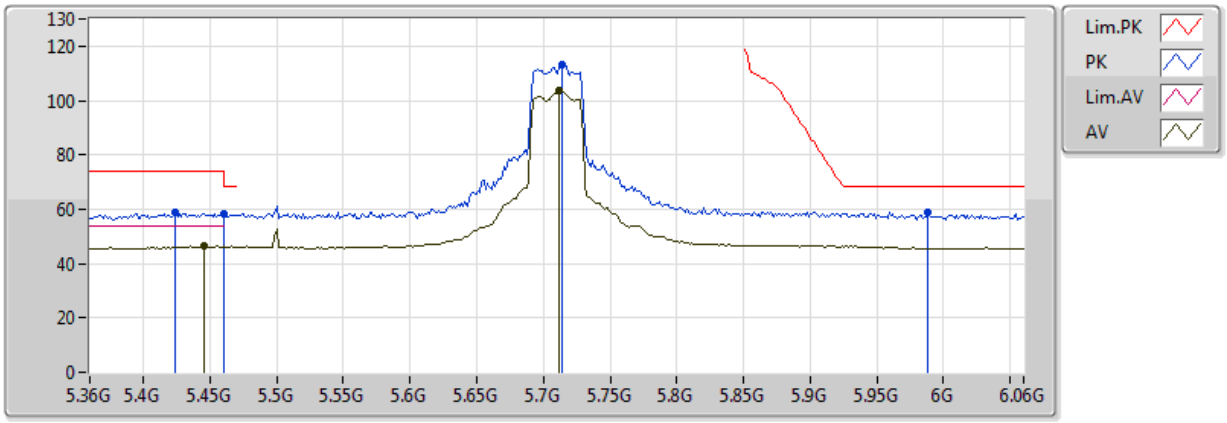


20170518
EUT Y_2TX
Setting 21
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.3442G	41.78	54.00	-12.22	13.27	3	H	304	1.47	-
PK	11.34744G	55.17	74.00	-18.83	13.27	3	H	304	1.47	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

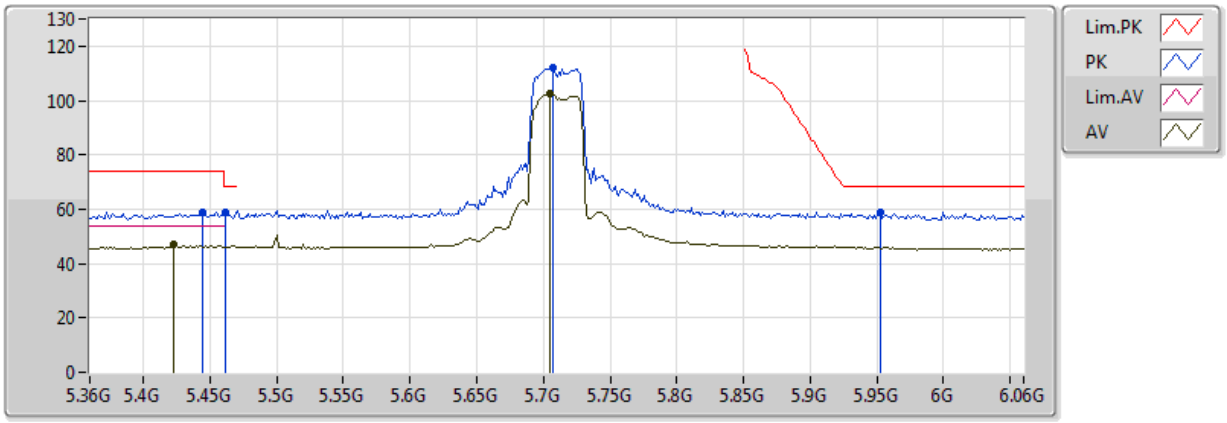


20170518
EUT Y_2TX
Setting 21
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4454G	46.38	54.00	-7.62	6.02	3	V	354	1.69	-
AV	5.7114G	103.53	Inf	-Inf	6.25	3	V	354	1.69	-
PK	5.4244G	58.94	74.00	-15.06	5.97	3	V	354	1.69	-
PK	5.460005G	58.21	68.20	-9.99	6.06	3	V	354	1.69	-
PK	5.7142G	113.06	Inf	-Inf	6.25	3	V	354	1.69	-
PK	5.9886G	58.91	68.20	-9.29	6.16	3	V	354	1.69	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

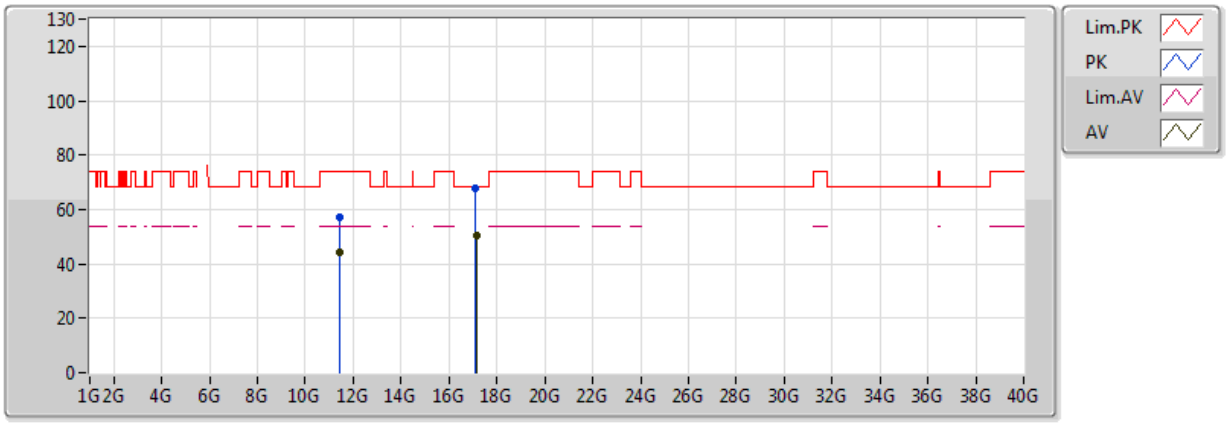


20170518
EUT Y_2TX
Setting 21
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.423G	47.05	54.00	-6.95	5.97	3	H	3	1.75	-
AV	5.7044G	102.56	Inf	-Inf	6.25	3	H	3	1.75	-
PK	5.444G	59.09	74.00	-14.91	6.02	3	H	3	1.75	-
PK	5.4622G	58.84	68.20	-9.36	6.07	3	H	3	1.75	-
PK	5.7072G	111.80	Inf	-Inf	6.25	3	H	3	1.75	-
PK	5.9522G	58.64	68.20	-9.56	6.17	3	H	3	1.75	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

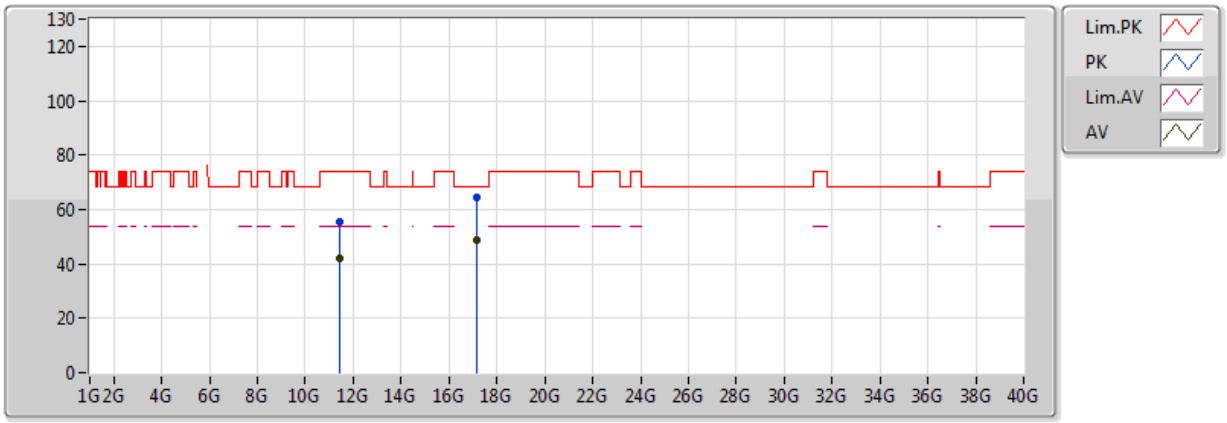


20170518
EUT Y_2TX
Setting 21
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.41244G	44.47	54.00	-9.53	13.34	3	V	355	2.23	-
AV	17.13138G	50.27	Inf	-Inf	19.43	3	V	331	2.07	-
PK	11.43104G	57.06	74.00	-16.94	13.36	3	V	355	2.23	-
PK	17.12352G	67.81	68.20	-0.39	19.38	3	V	331	2.07	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

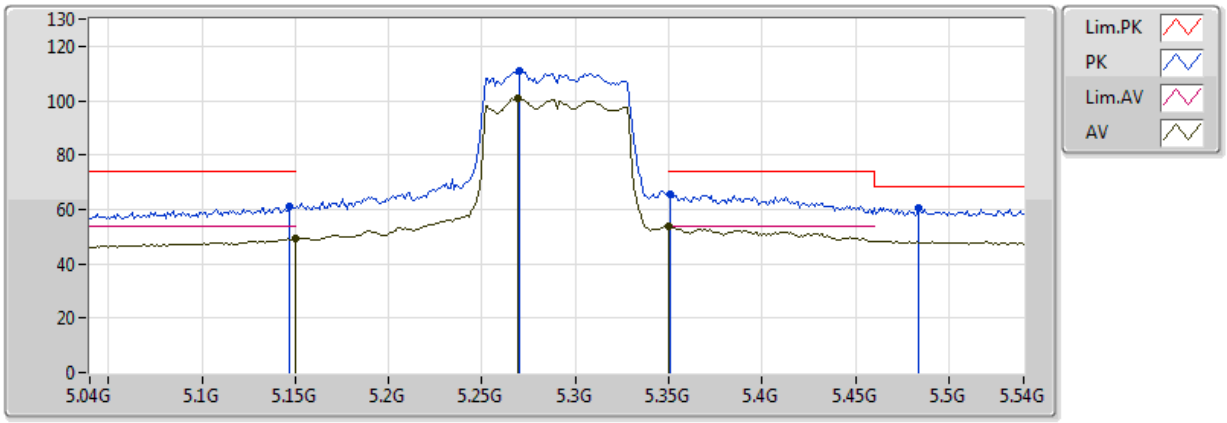


20170518
EUT Y_2TX
Setting 21
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.41994G	42.21	54.00	-11.79	13.35	3	H	308	1.38	-
AV	17.13516G	48.56	Inf	-Inf	19.45	3	H	352	1.50	-
PK	11.4218G	55.29	74.00	-18.71	13.35	3	H	308	1.38	-
PK	17.13066G	64.58	68.20	-3.62	19.42	3	H	352	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

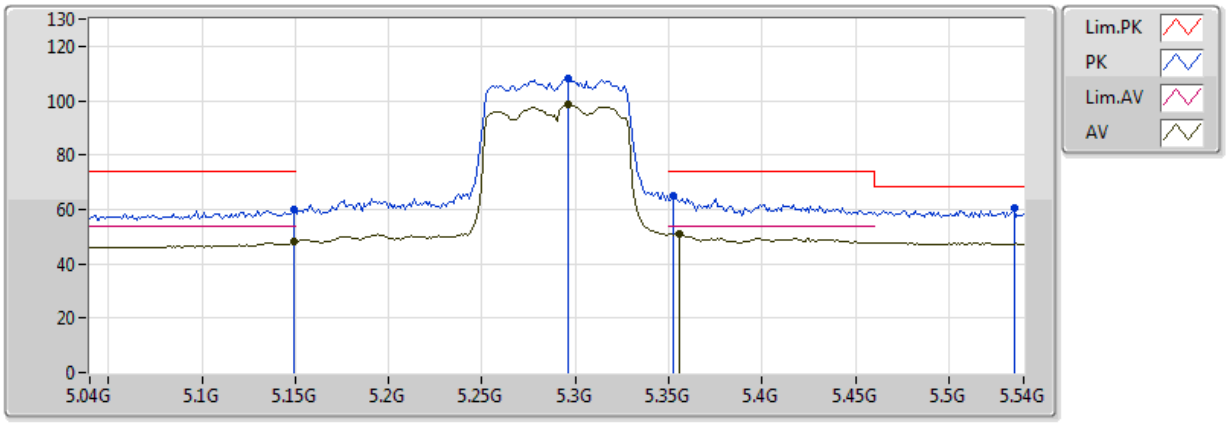


20170513
EUT Y 2TX
Setting 21
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.34	54.00	-4.66	8.93	3	V	9	2.39	-
AV	5.269G	100.97	Inf	-Inf	9.19	3	V	9	2.39	-
AV	5.350005G	53.72	54.00	-0.28	9.34	3	V	9	2.39	-
PK	5.147G	60.84	74.00	-13.16	8.92	3	V	9	2.39	-
PK	5.27G	110.93	Inf	-Inf	9.19	3	V	9	2.39	-
PK	5.351G	65.80	74.00	-8.20	9.34	3	V	9	2.39	-
PK	5.484G	60.51	68.20	-7.69	9.65	3	V	9	2.39	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

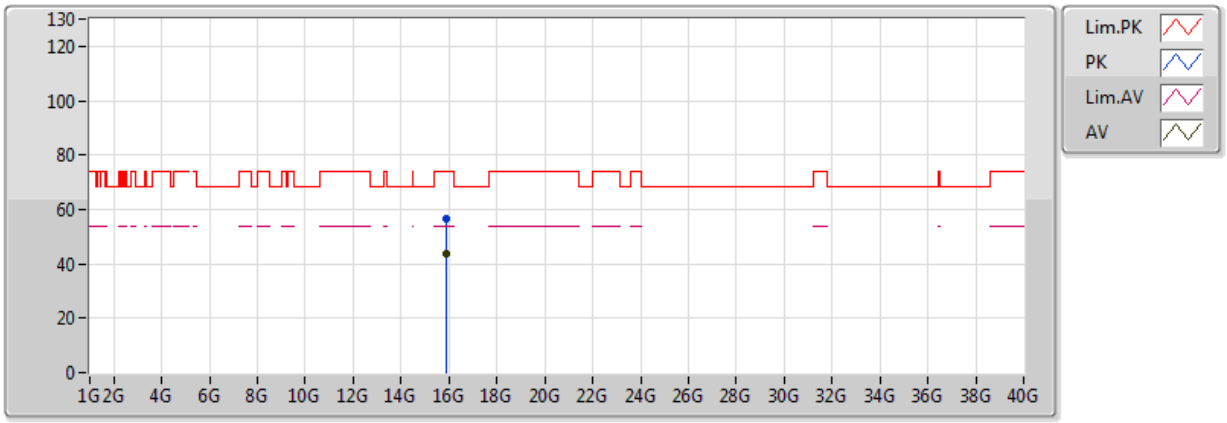


20170513
EUT Y 2TX
Setting 21
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	48.03	54.00	-5.97	8.93	3	H	358	2.85	-
AV	5.296G	98.47	Inf	-Inf	9.24	3	H	358	2.85	-
AV	5.356G	51.20	54.00	-2.80	9.35	3	H	358	2.85	-
PK	5.149G	59.78	74.00	-14.22	8.93	3	H	358	2.85	-
PK	5.296G	108.22	Inf	-Inf	9.24	3	H	358	2.85	-
PK	5.352G	65.12	74.00	-8.88	9.34	3	H	358	2.85	-
PK	5.535G	60.72	68.20	-7.48	9.72	3	H	358	2.85	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

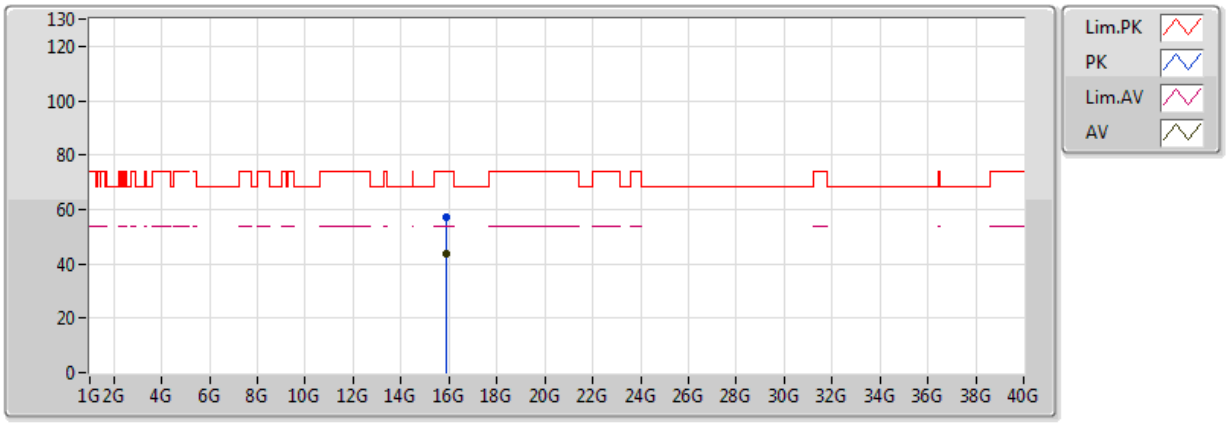


20170513
EUT Y 2TX
Setting 21
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.8828G	43.65	54.00	-10.35	17.23	3	V	249	2.30	-
PK	15.8907G	56.64	74.00	-17.36	17.21	3	V	249	2.30	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

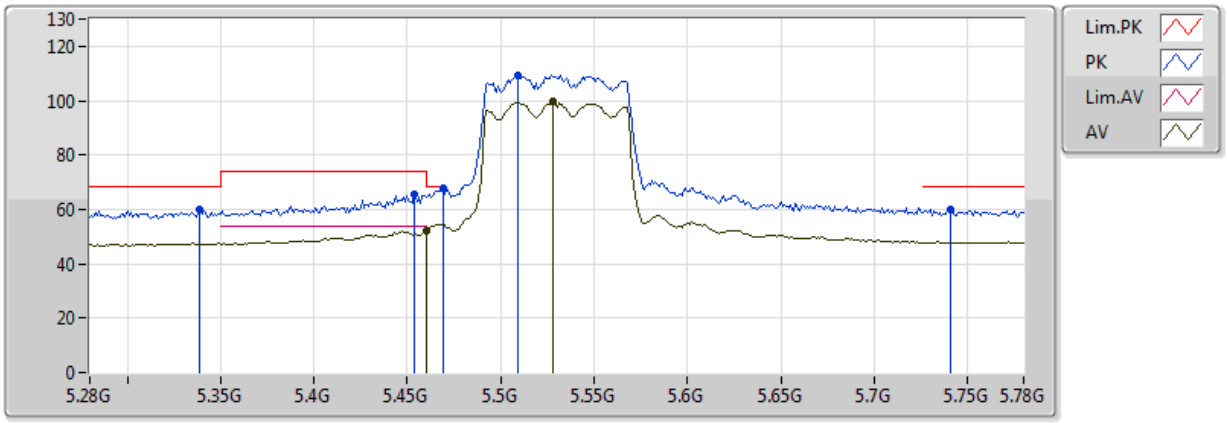


20170513
EUT Y 2TX
Setting 21
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.8938G	43.88	54.00	-10.12	17.20	3	H	223	2.12	-
PK	15.8914G	57.11	74.00	-16.89	17.21	3	H	223	2.12	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

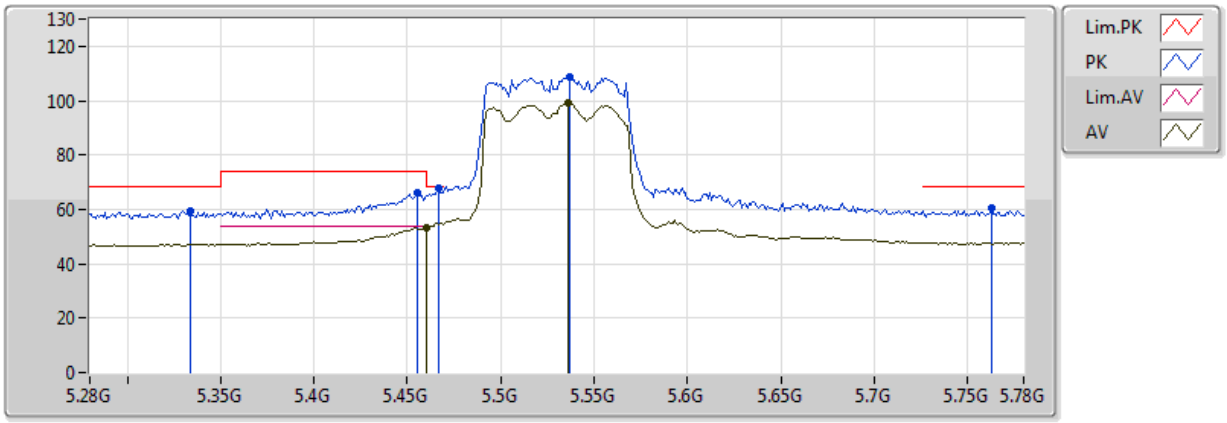


20170513
EUT Y 2TX
Setting 20.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	52.32	54.00	-1.68	9.59	3	V	7	1.94	-
AV	5.528G	99.59	Inf	-Inf	9.72	3	V	7	1.94	-
PK	5.339G	60.02	68.20	-8.18	9.32	3	V	7	1.94	-
PK	5.454G	65.70	74.00	-8.30	9.57	3	V	7	1.94	-
PK	5.469G	67.61	68.20	-0.59	9.61	3	V	7	1.94	-
PK	5.509G	109.48	Inf	-Inf	9.70	3	V	7	1.94	-
PK	5.741G	59.72	68.20	-8.48	9.81	3	V	7	1.94	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

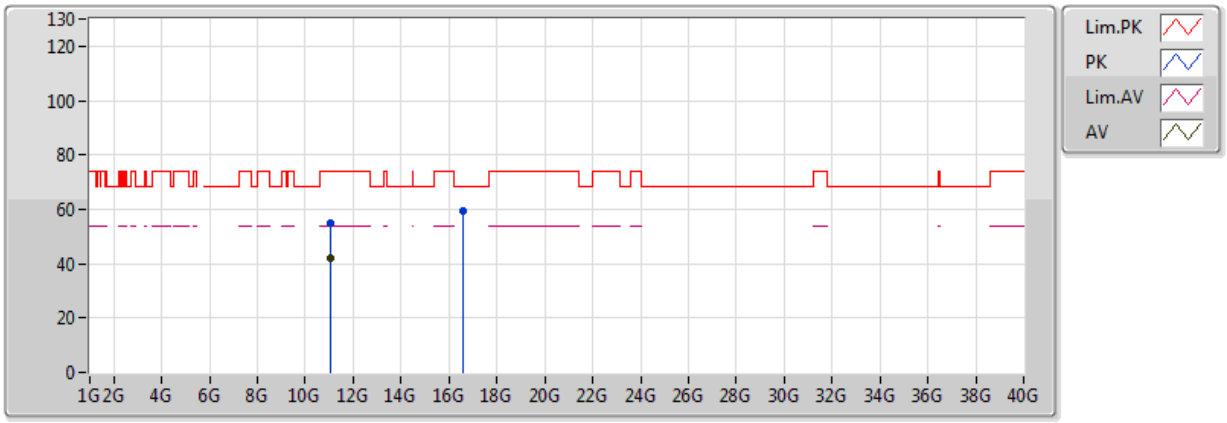


20170513
EUT Y 2TX
Setting 20.5
02-W-3-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	53.23	54.00	-0.77	9.59	3	H	353	2.66	-
AV	5.536G	99.29	Inf	-Inf	9.72	3	H	353	2.66	-
PK	5.334G	59.26	68.20	-8.94	9.31	3	H	353	2.66	-
PK	5.455G	66.15	74.00	-7.85	9.57	3	H	353	2.66	-
PK	5.467G	67.77	68.20	-0.43	9.60	3	H	353	2.66	-
PK	5.537G	108.59	Inf	-Inf	9.72	3	H	353	2.66	-
PK	5.763G	60.26	68.20	-7.94	9.81	3	H	353	2.66	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

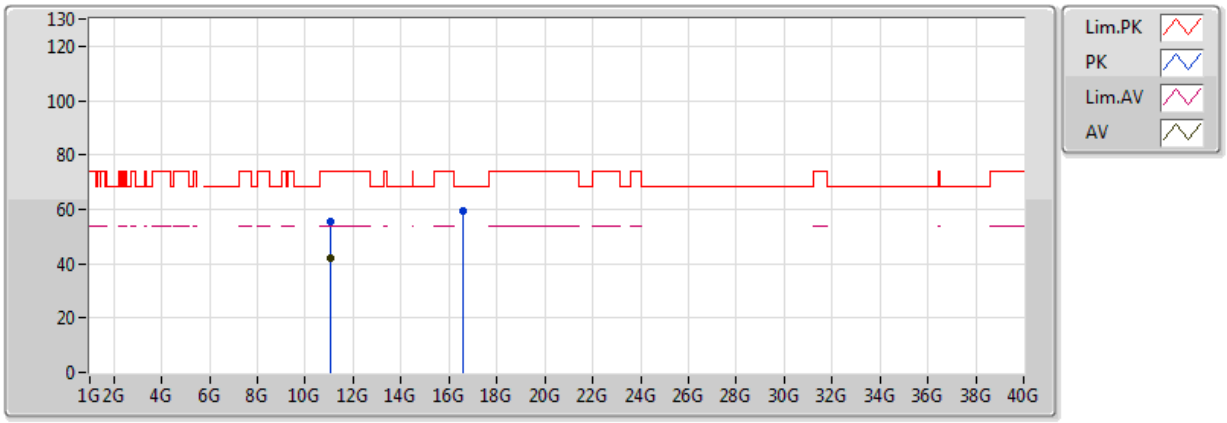


20170513
EUT Y 2TX
Setting 20.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.0547G	41.89	54.00	-12.11	15.88	3	V	16	2.25	-
PK	11.0717G	54.93	74.00	-19.07	15.90	3	V	16	2.25	-
PK	16.5801G	59.45	68.20	-8.75	19.41	3	V	41	1.84	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

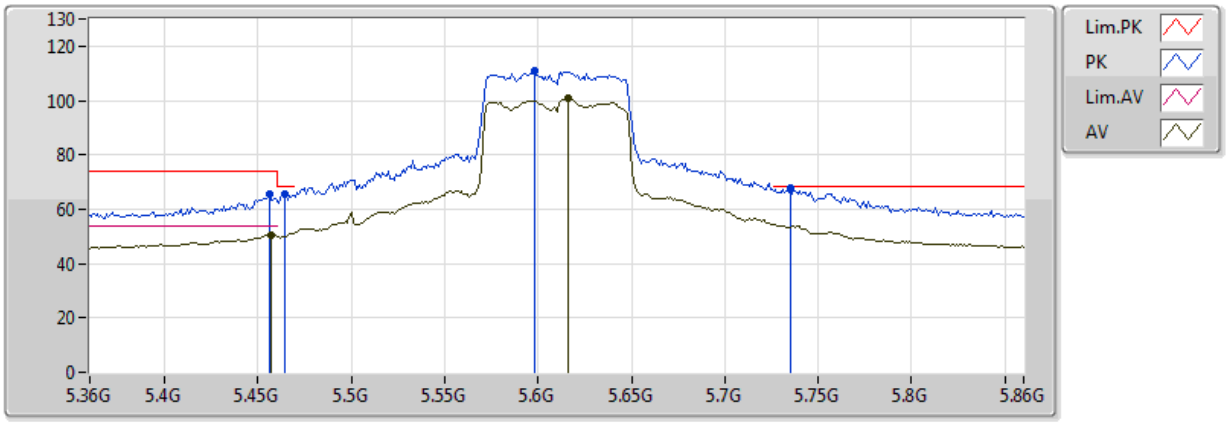


20170513
EUT Y 2TX
Setting 20.5
02-W-3
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.0495G	42.05	54.00	-11.95	15.88	3	H	59	1.58	-
PK	11.041G	55.36	74.00	-18.64	15.87	3	H	59	1.58	-
PK	16.5735G	59.27	68.20	-8.93	19.38	3	H	50	1.84	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

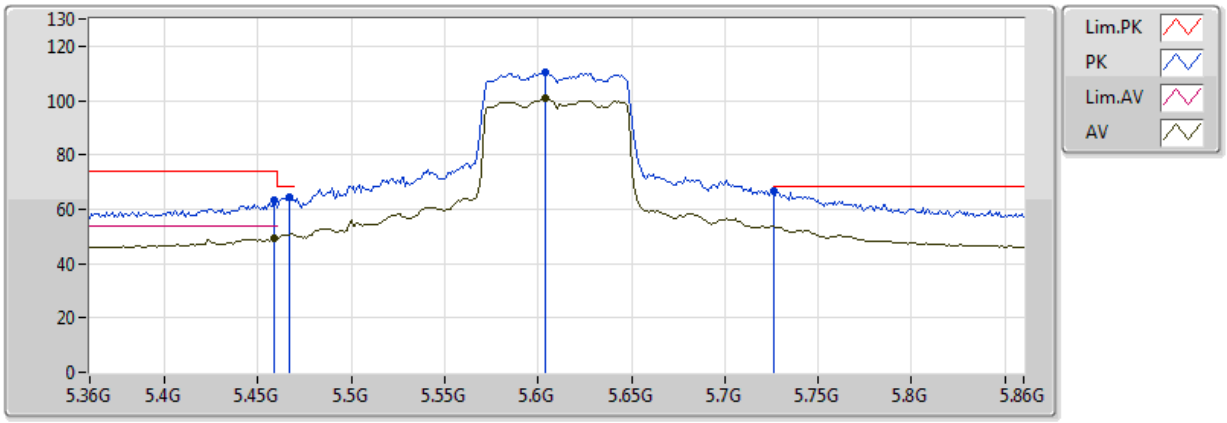


20170518
EUT Y_2TX
Setting 22
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.457G	50.51	54.00	-3.49	6.05	3	V	335	1.64	-
AV	5.616G	100.77	Inf	-Inf	6.24	3	V	335	1.64	-
PK	5.456G	65.64	74.00	-8.36	6.05	3	V	335	1.64	-
PK	5.464G	65.71	68.20	-2.49	6.07	3	V	335	1.64	-
PK	5.598G	110.78	Inf	-Inf	6.24	3	V	335	1.64	-
PK	5.735G	67.96	68.20	-0.24	6.25	3	V	335	1.64	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

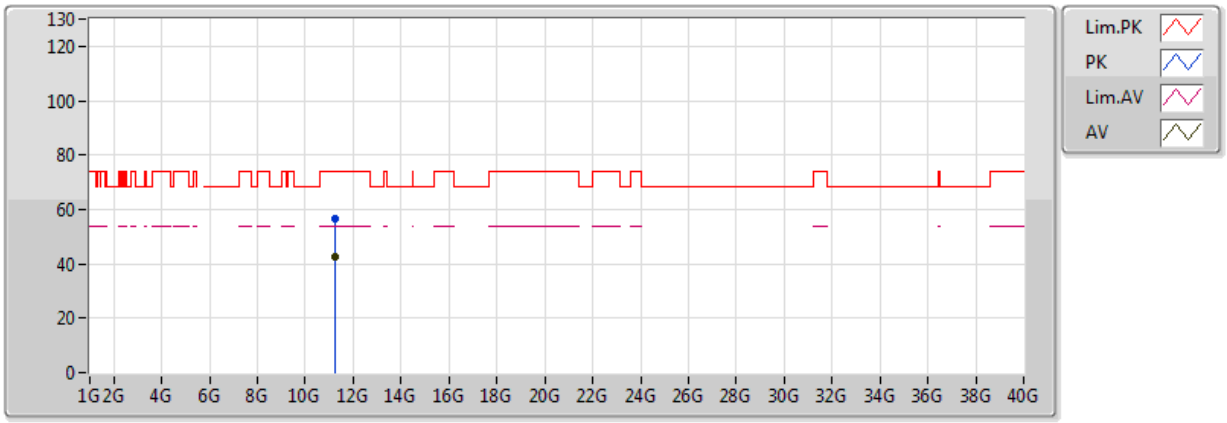


20170518
EUT Y_2TX
Setting 22
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459G	49.35	54.00	-4.65	6.06	3	H	11	1.81	-
AV	5.604G	100.63	Inf	-Inf	6.24	3	H	11	1.81	-
PK	5.459G	63.40	74.00	-10.60	6.06	3	H	11	1.81	-
PK	5.467G	64.53	68.20	-3.67	6.08	3	H	11	1.81	-
PK	5.604G	110.16	Inf	-Inf	6.24	3	H	11	1.81	-
PK	5.726G	66.82	68.20	-1.38	6.25	3	H	11	1.81	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

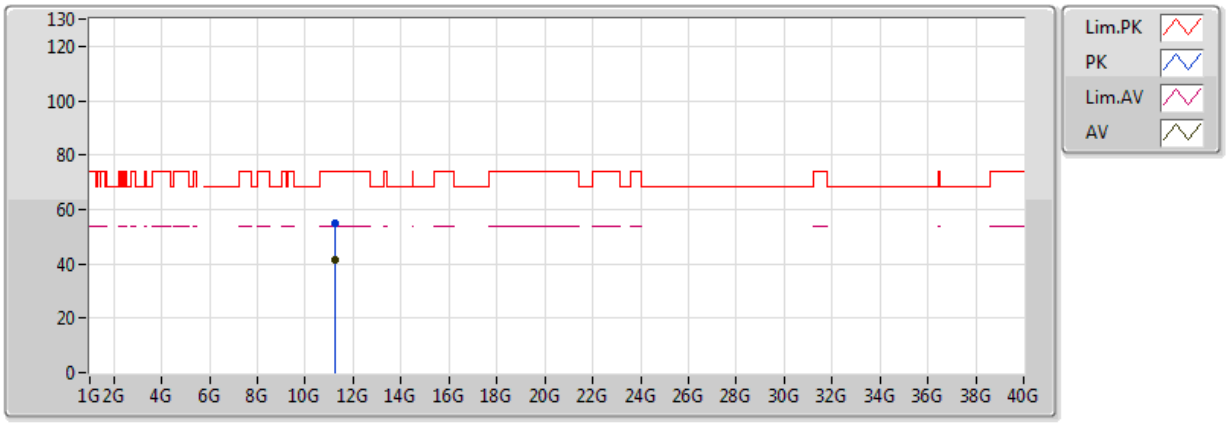


20170518
EUT Y_2TX
Setting 22
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.21238G	42.50	54.00	-11.50	13.14	3	V	3	1.49	-
PK	11.2191G	56.36	74.00	-17.64	13.14	3	V	3	1.49	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

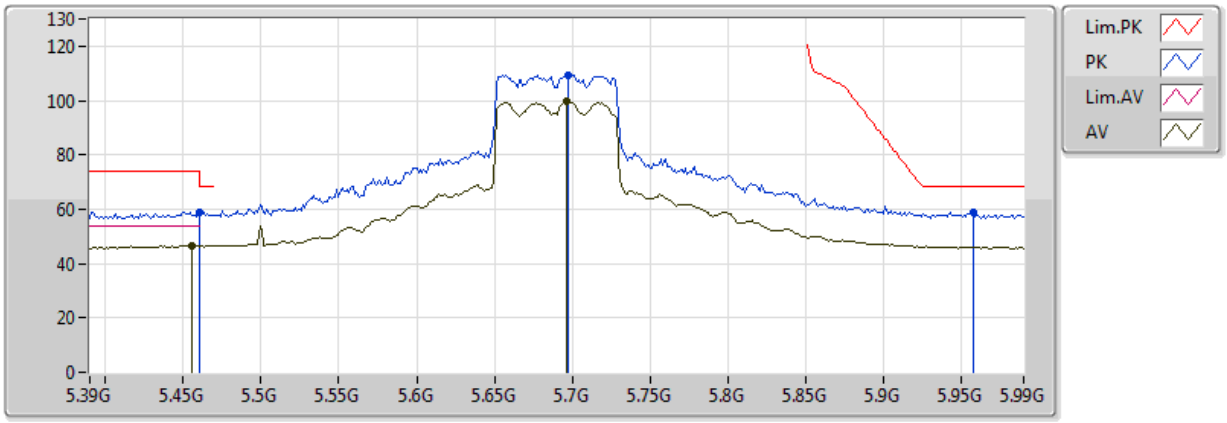


20170518
EUT Y_2TX
Setting 22
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.22G	41.27	54.00	-12.73	13.14	3	H	307	1.49	-
PK	11.21982G	55.00	74.00	-19.00	13.14	3	H	307	1.49	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

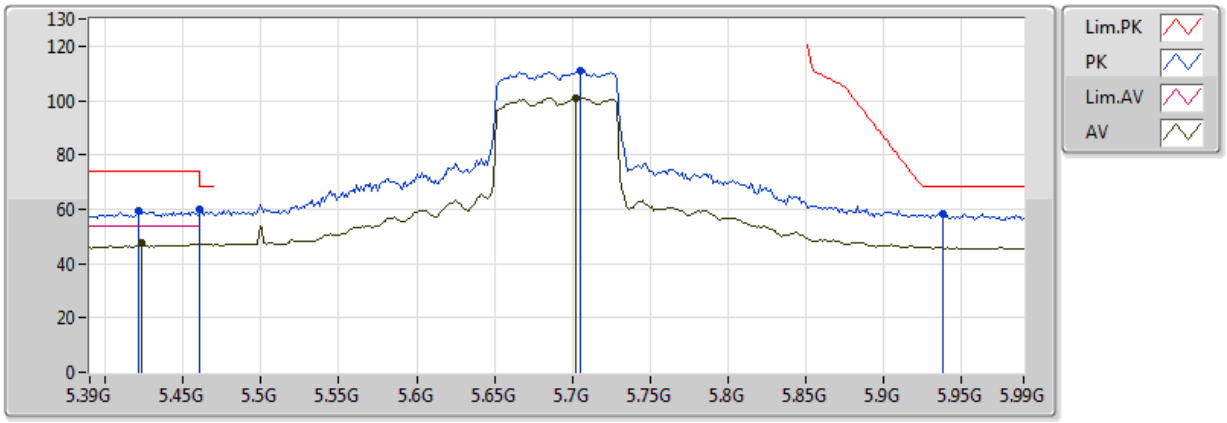


20170518
EUT Y_2TX
Setting 23
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.456G	46.49	54.00	-7.51	6.05	3	V	335	1.42	-
AV	5.696G	99.70	Inf	-Inf	6.25	3	V	335	1.42	-
PK	5.459995G	59.00	74.00	-15.00	6.06	3	V	335	1.42	-
PK	5.460005G	59.00	68.20	-9.20	6.06	3	V	335	1.42	-
PK	5.6972G	109.51	Inf	-Inf	6.25	3	V	335	1.42	-
PK	5.9576G	58.86	68.20	-9.34	6.17	3	V	335	1.42	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

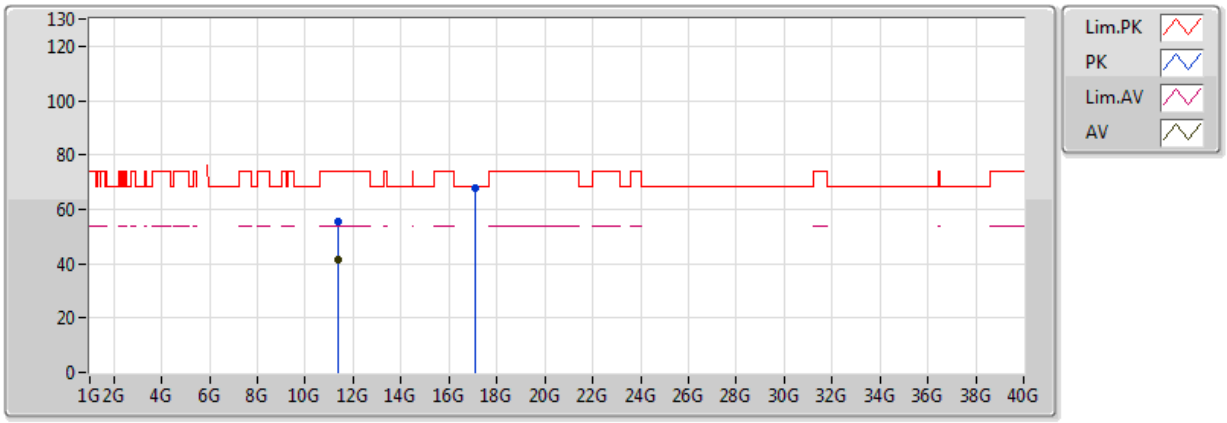


20170518
EUT Y_2TX
Setting 23
03-E-2-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4236G	47.71	54.00	-6.29	5.97	3	H	12	1.78	-
AV	5.702G	101.10	Inf	-Inf	6.25	3	H	12	1.78	-
PK	5.4212G	59.37	74.00	-14.63	5.96	3	H	12	1.78	-
PK	5.4608G	60.23	68.20	-7.97	6.06	3	H	12	1.78	-
PK	5.7056G	111.08	Inf	-Inf	6.25	3	H	12	1.78	-
PK	5.9384G	58.51	68.20	-9.69	6.18	3	H	12	1.78	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

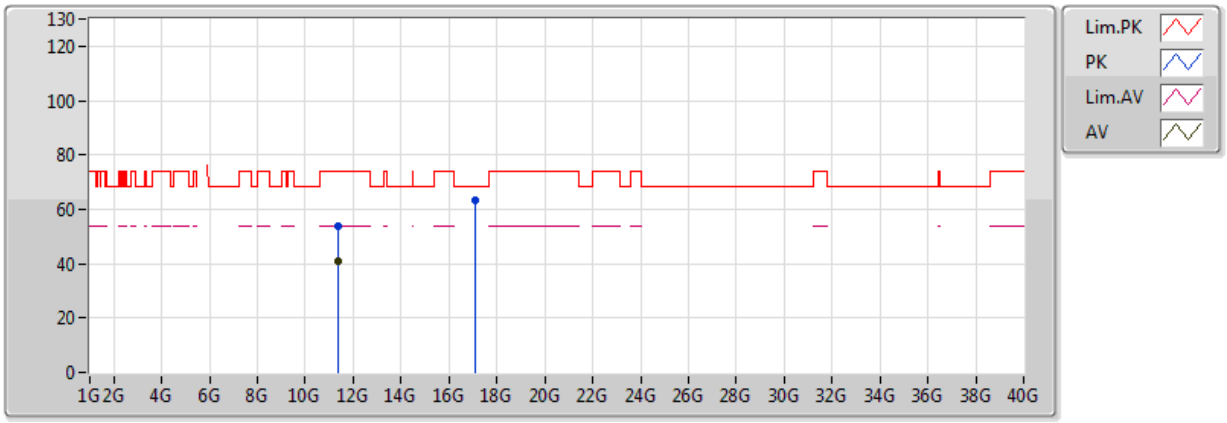


20170518
EUT Y_2TX
Setting 23
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.3794G	41.62	54.00	-12.38	13.31	3	V	19	1.47	-
PK	11.37904G	55.20	74.00	-18.80	13.31	3	V	19	1.47	-
PK	17.07408G	67.84	68.20	-0.36	19.10	3	V	331	1.46	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX



20170518
EUT Y_2TX
Setting 23
03-E-2
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.38078G	40.65	54.00	-13.35	13.31	3	H	302	1.49	-
PK	11.37868G	53.72	74.00	-20.28	13.31	3	H	302	1.49	-
PK	17.08212G	63.44	68.20	-4.76	19.15	3	H	353	1.50	-

Mode: 20 MHz / Ant. 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9855	5299.9848	5299.9845	5299.9844
110.00	5299.9845	5299.9838	5299.9835	5299.9827
93.50	5299.9840	5299.9832	5299.9829	5299.9828
Max. Deviation (MHz)	**0.0160**	**0.0168**	**0.0171**	**0.0173**
Max. Deviation (ppm)	**3.02**	**3.17**	**3.23**	**3.26**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5299.9823	5299.9820	5299.9810	5299.9803
10	5299.9843	5299.9835	5299.9830	5299.9820
20	5299.9845	5299.9843	5299.9836	5299.9827
30	5299.9864	5299.9854	5299.9853	5299.9851
40	5299.9865	5299.9860	5299.9853	5299.9843
45	5299.9962	5299.9956	5299.9947	5299.9937
Max. Deviation (MHz)	**0.0177**	**0.0180**	**0.0190**	**0.0197**
Max. Deviation (ppm)	**3.34**	**3.40**	**3.58**	**3.72**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9855	5579.9845	5579.9841	5579.9834
110.00	5579.9845	5579.9836	5579.9834	5579.9831
93.50	5579.9838	5579.9828	5579.9821	5579.9820
Max. Deviation (MHz)	**0.0162**	**0.0172**	**0.0179**	**0.0180**
Max. Deviation (ppm)	**2.90**	**3.08**	**3.21**	**3.23**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5579.9819	5579.9816	5579.9812	5579.9802
10	5579.9837	5579.9828	5579.9820	5579.9810
20	5579.9845	5579.9835	5579.9833	5579.9826
30	5579.9864	5579.9863	5579.9858	5579.9848
40	5579.9875	5579.9873	5579.9872	5579.9867
45	5579.9960	5579.9951	5579.9946	5579.9936
Max. Deviation (MHz)	**0.0181**	**0.0184**	**0.0188**	**0.0198**
Max. Deviation (ppm)	**3.24**	**3.30**	**3.37**	**3.55**
Result	Pass			

Mode: 40 MHz / Ant. 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9854	5309.9844	5309.9835	5309.9827
110.00	5309.9845	5309.9842	5309.9838	5309.9830
93.50	5309.9836	5309.9831	5309.9824	5309.9822
Max. Deviation (MHz)	**0.0164**	**0.0169**	**0.0176**	**0.0178**
Max. Deviation (ppm)	**3.09**	**3.18**	**3.31**	**3.35**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5309.9811	5309.9809	5309.9806	5309.9804
10	5309.9829	5309.9823	5309.9817	5309.9809
20	5309.9845	5309.9842	5309.9832	5309.9831
30	5309.9864	5309.9858	5309.9849	5309.9843
40	5309.9878	5309.9877	5309.9871	5309.9870
45	5309.9858	5309.9856	5309.9847	5309.9846
Max. Deviation (MHz)	**0.0189**	**0.0191**	**0.0194**	**0.0196**
Max. Deviation (ppm)	**3.56**	**3.60**	**3.65**	**3.69**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9848	5549.9843	5549.9841	5549.9833
110.00	5549.9845	5549.9838	5549.9831	5549.9826
93.50	5549.9842	5549.9839	5549.9835	5549.9828
Max. Deviation (MHz)	**0.0158**	**0.0162**	**0.0169**	**0.0174**
Max. Deviation (ppm)	**2.85**	**2.92**	**3.05**	**3.14**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5549.9835	5549.9831	5549.9830	5549.9823
10	5549.9843	5549.9842	5549.9838	5549.9834
20	5549.9845	5549.9841	5549.9835	5549.9828
30	5549.9864	5549.9856	5549.9855	5549.9852
40	5549.9870	5549.9863	5549.9855	5549.9849
45	5549.9852	5549.9851	5549.9841	5549.9834
Max. Deviation (MHz)	**0.0165**	**0.0169**	**0.0170**	**0.0177**
Max. Deviation (ppm)	**2.97**	**3.05**	**3.06**	**3.19**
Result	Pass			

Mode: 80 MHz / Ant. 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9854	5289.9844	5289.9834	5289.9826
110.00	5289.9845	5289.9841	5289.9833	5289.9826
93.50	5289.9843	5289.9841	5289.9838	5289.9832
Max. Deviation (MHz)	**0.0157**	**0.0159**	**0.0167**	**0.0174**
Max. Deviation (ppm)	**2.97**	**3.01**	**3.16**	**3.29**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5289.9819	5289.9816	5289.9809	5289.9807
10	5289.9836	5289.9830	5289.9828	5289.9818
20	5289.9845	5289.9837	5289.9831	5289.9823
30	5289.9864	5289.9855	5289.9846	5289.9843
40	5289.9883	5289.9877	5289.9875	5289.9872
45	5289.9865	5289.9863	5289.9858	5289.9848
Max. Deviation (MHz)	**0.0181**	**0.0184**	**0.0191**	**0.0193**
Max. Deviation (ppm)	**3.42**	**3.48**	**3.61**	**3.65**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9848	5529.9844	5529.9842	5529.9841
110.00	5529.9845	5529.9837	5529.9830	5529.9820
93.50	5529.9843	5529.9835	5529.9832	5529.9831
Max. Deviation (MHz)	**0.0157**	**0.0165**	**0.0170**	**0.0180**
Max. Deviation (ppm)	**2.84**	**2.98**	**3.07**	**3.25**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5529.9832	5529.9825	5529.9820	5529.9810
10	5529.9842	5529.9835	5529.9832	5529.9828
20	5529.9845	5529.9840	5529.9835	5529.9829
30	5529.9864	5529.9854	5529.9850	5529.9849
40	5529.9884	5529.9879	5529.9870	5529.9866
45	5529.9860	5529.9851	5529.9849	5529.9841
Max. Deviation (MHz)	**0.0168**	**0.0175**	**0.0180**	**0.0190**
Max. Deviation (ppm)	**3.04**	**3.16**	**3.25**	**3.44**
Result	Pass			