FCC Test Report

Equipment	:	AC5400 Wireless Tri-Band MU-MIMO Gigabit Router
Brand Name	:	TP-Link
Model No.	:	Archer C5400
FCC ID	:	TE7C5400V2
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5150 MHz – 5250 MHz 5250 MHz – 5350 MHz 5470 MHz – 5725 MHz 5725 MHz – 5850 MHz
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☐ Client
TPC Function	:	☒ With TPC ☐ Without TPC

The product sample received on Oct. 28, 2015 and completely tested on Jun. 13, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Cliff Chang
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.3	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
FR5N0101-05AB	Rev. 01	Initial issue of report	Nov. 03, 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
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ac VHT80+80	80	4TX(Port 1/2)
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	40	4TX

5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11ac VHT80+80	80	4TX(Port 3/4)
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11ac VHT80+80	80	4TX
5725-5850GHz	802.11a	20	4TX
5725-5850GHz	802.11n HT20	20	4TX
5725-5850GHz	802.11n HT20-BF	20	4TX
5725-5850GHz	802.11ac VHT20	20	4TX
5725-5850GHz	802.11ac VHT20-BF	20	4TX
5725-5850GHz	802.11n HT40	40	4TX
5725-5850GHz	802.11n HT40-BF	40	4TX
5725-5850GHz	802.11ac VHT40	40	4TX
5725-5850GHz	802.11ac VHT40-BF	40	4TX
5725-5850GHz	802.11ac VHT80	80	4TX
5725-5850GHz	802.11ac VHT80-BF	80	4TX
5725-5850GHz	802.11ac VHT80+80	80	4TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 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 Table for 80+80 MHz Mode

Type	Channel No.	Frequency
1	42+58	5210+5290 MHz
2	106+122	5530+5610 MHz

1.1.3 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	TP-LINK	3101500737	PCB Antenna	I-PEX	1.8	1.8
2	TP-LINK	3101500737	PCB Antenna	I-PEX	1.8	1.8
3	TP-LINK	3101500737	PCB Antenna	I-PEX	1.8	1.8
4	TP-LINK	3101500737	PCB Antenna	I-PEX	1.8	1.8
5	TP-LINK	3101500734	PCB Antenna	I-PEX	-	1.8
6	TP-LINK	3101500734	PCB Antenna	I-PEX	-	1.8
7	TP-LINK	3101500734	PCB Antenna	I-PEX	-	1.8
8	TP-LINK	3101500734	PCB Antenna	I-PEX	-	1.8

Note: 1.The EUT has eight antennas.
2.The EUT has three radios. (Radio 1 supports 5GHz band 1 and band 2 WLAN function, Radio 2 supports 5GHz band 3 and band 4 WLAN function and Radio 3 supports 2.4GHz WLAN function.)
3.The EUT supports WLAN (4TX, 4RX):
Chain 1 (Port 1), Chain 2 (Port 2), Chain 3 (Port 3) and Chain 4 (Port 4) could transmit/receive simultaneously.

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.982	0.079	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.986	0.061	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20-BF	0.889	0.511	3.823m	300
802.11ac VHT40	0.959	0.182	947.5u	3k
802.11ac VHT40-BF	0.961	0.173	3.685m	300
802.11ac VHT80	0.907	0.424	455u	3k
802.11ac VHT80+80	0.845	0.731	247.5u	10k
802.11ac VHT80-BF	0.925	0.339	5.093m	300
802.11ac VHT80+80	0.785	1.051	236.875u	10k

1.1.5 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	☒	With beamforming for 802.11n/ac in 2.4GHz/5GHz.	☐	Without beamforming
	Note: 802.11ac VHT80+80 MHz mode supports non-beamforming function only.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Test Software Version	Mtool_3_0_0_1 (Version 1.363.6.0)			

1.1.6 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR5N0101-01AB

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

<table>
<tr><th>Modifications</th><th>Performance Checking</th></tr>
<tr><td>1. Adding 5GHz band 2 and Band 3 (5250~5350 MHz, 5470~5725 MHz) for this device.
2. Adding two types (Type 1: 5210+5290, Type 2: 5530+5610) of 80+80 MHz mode, and they supports non-beamforming function only.</td><td>1. Emission Bandwidth.
2. Maximum Conducted Output Power.
3. Peak Power Spectral Density.
4. Unwanted Emissions.
5. Frequency Stability Above 1GHz.</td></tr>
<tr><td>3. Updating chip version to "BCM4366 C0" from "BCM4366 B1".
The difference between original version and new version as below:
<table>
<tr><th>Version</th><th>Description</th></tr>
<tr><td>BCM4366 B1 (Original)</td><td>Single User Multiple Input Multiple Output</td></tr>
<tr><td>BCM4366 C0 (New)</td><td>Multi-User Multiple-Input Multiple-Output</td></tr>
</table></td><td>Unwanted Emissions Below 1GHz.
Note: After verified does not affect the other test results.</td></tr>
<tr><td>4. Changing applicant’s company to “TP-Link Technologies Co., Ltd.” from “TP-LINK TECHNOLOGIES CO., LTD.”.
5. Changing brand name to “TP-Link” from “TP-LINK”.
6. Changing FCC ID to “TE7C5400V2” from “TE7C5400”.</td><td>It does not need to re-test.</td></tr>
</table>

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	Brian Sun / Peter Lin	26°C / 74%	Jun. 09, 2017
Radiated	03CH01-CB	Joy Tseng	22°C / 54%	Jun. 06, 2017~Jun. 13, 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 (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%
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)_4TX	-
5260MHz	60
5300MHz	61
5320MHz	61
5500MHz	49
5580MHz	48
5700MHz	51
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	61
5300MHz	62
5320MHz	63
5500MHz	49
5580MHz	49
5700MHz	52
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	70
5310MHz	69
5510MHz	60
5550MHz	59
5670MHz	58
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	69
5530MHz	55
5610MHz	66
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5260MHz	60
5300MHz	61
5320MHz	62
5500MHz	50
5580MHz	49
5700MHz	52
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5270MHz	62
5310MHz	63
5510MHz	54
5550MHz	53
5670MHz	52
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-

Mode	Power Setting
5290MHz	62
5530MHz	59
5610MHz	59
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5210MHz,5290MHz	60
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5210MHz,#5290MHz	60
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
#5530MHz,#5610MHz	58

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two modes of EUT, one is beamforming function, and the other is non-beamforming function for 802.11n/ac. All the results have been recorded in this report.

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	Normal Link
The EUT for Unwanted Emissions test was performed at Z axis and Y axis position for below 1GHz and the worst case was found from Z axis. So the measurement will follow this same test configuration.	
1	EUT in Z axis
Operating Mode > 1GHz	CTX
1	EUT in Y axis + folded the antenna
2	EUT in Z axis + folded the antenna
3	EUT in Y axis + antenna in 90°
4	EUT in Z axis + antenna in 90°
Mode 4 has been evaluated to be the worst case after evaluating. Consequently, measurement will follow this same test mode.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	2.4GHz WLAN + 5GHz WLAN Band1/Band2 + 5GHz WLAN Band 3/Band4
Refer to Sporton Test Report No.: FA5N0101-05 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS、LanTest20.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**Remark**
Adapter	Huntkey	HKA06012050-7G	Input: 100-240Vac, 50/60Hz, 1.5A Output: 12.0Vdc, 5.0A	Cable (Non-shieided, 1.4m)
Other				
Power cable*1: Non-shieided, 1.8m				

2.5 Support Equipment

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook*2	DELL	E4300	DoC
2	Notebook*3	Apple	Mac Book	DoC
3	Flash disk	Silicon Power	Touch 835	DoC
4	Flash disk3.0	Silicon Power	B06	DoC

For Test Site No: 03CH01-CB (above 1GHz) <For Non-Beamforming Mode> and TH01-CB

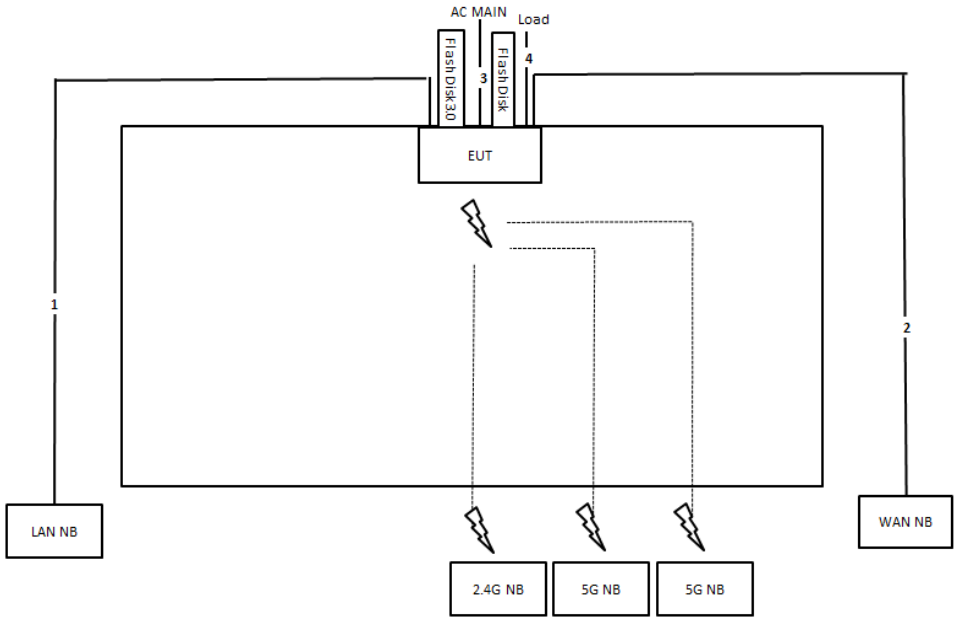
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E4300	DoC

For Test Site No: 03CH01-CB (above 1GHz) <For Beamforming Mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook*2	DELL	E4300	DoC
2	WLAN module (RX Device)	Boardcom	BCM943162ZP	QDS-BRCM1075

2.6 Test Setup Diagram

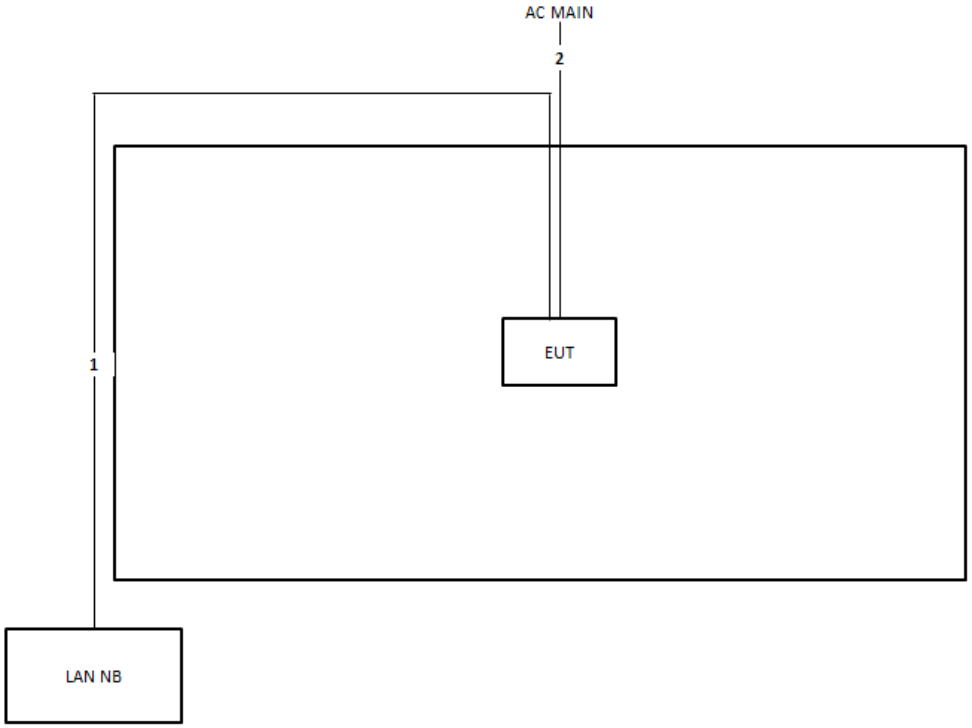
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	10m
3	Power cable	No	3.2m
4	RJ-45 cable*3	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz

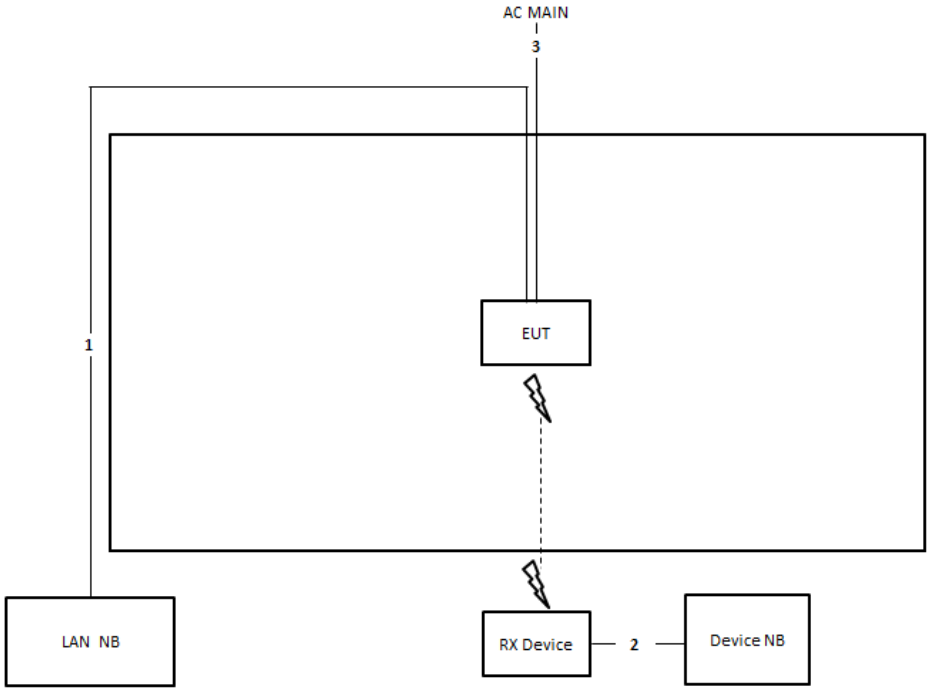
<For Non-Beamforming Mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	3.2m

Test Setup Diagram - Radiated Test > 1GHz

<For Beamforming Mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	10m
3	Power cable	No	3.2m

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.

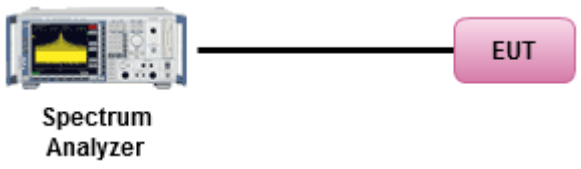
3.1.2 Measuring Instruments

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

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.	

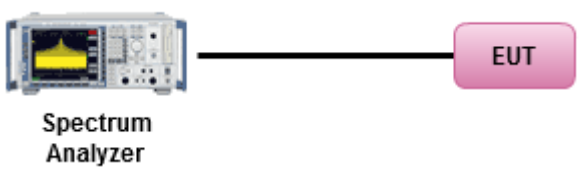
3.3.2 Measuring Instruments

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.

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

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.

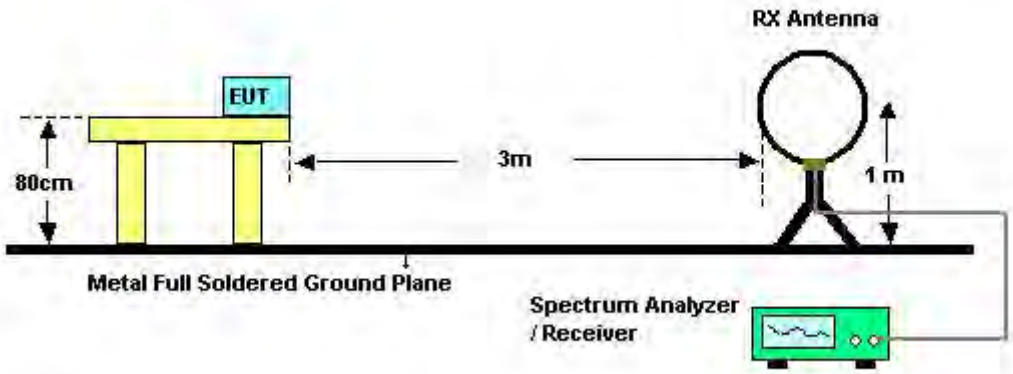
3.4.3 Test Procedures

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.		

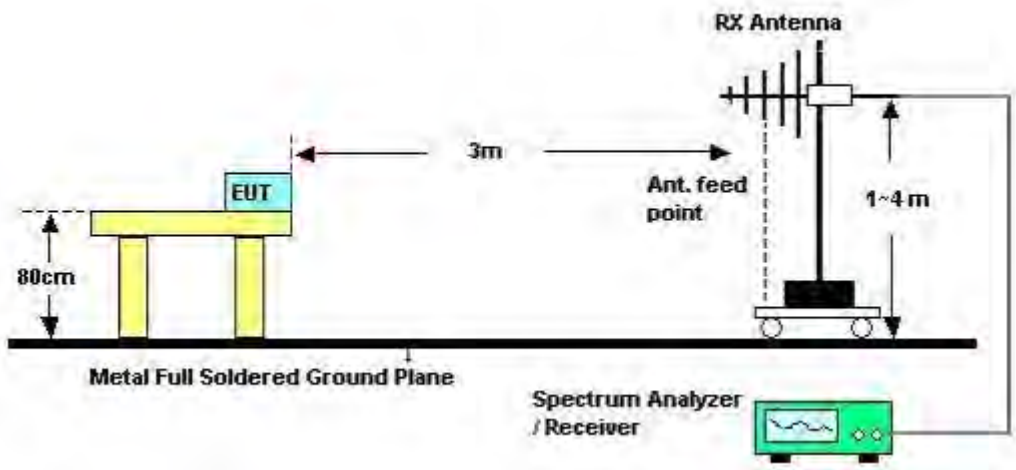
3.4.4 Test Setup

Transmitter Radiated Unwanted Emissions

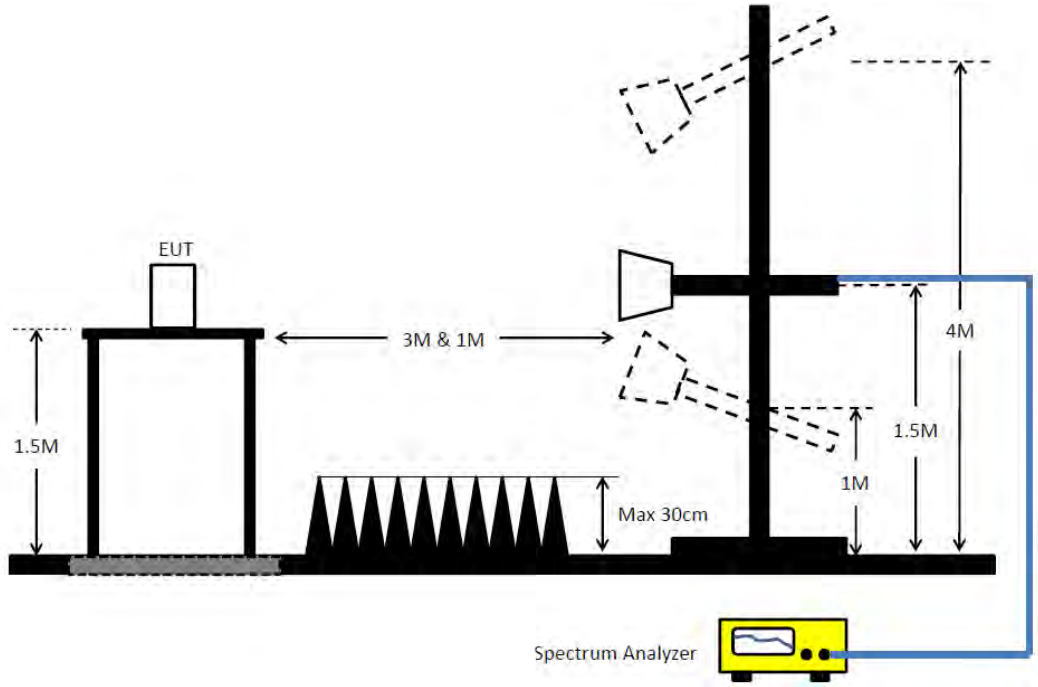
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.4.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.4.6 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

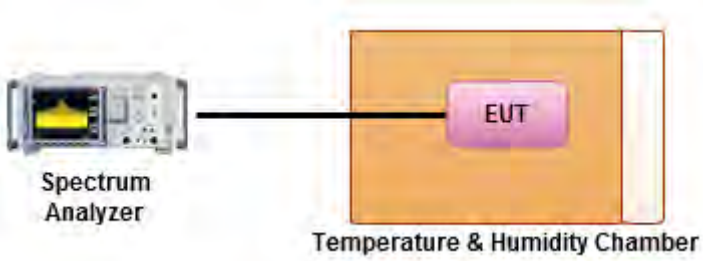
Refer a test equipment and calibration data table in this test report.

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℃~40℃.

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	Calibration Due Date	Remark
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Aug. 29, 2017	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Jul. 24, 2017	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Jun. 27, 2017	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

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

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

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

802.11a, 802.11ac VHT20, 802.11ac VHT40, 802.11ac VHT80
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.25-5.35GHz	21.675M	16.642M	16M6D1D	21.125M	16.542M
5.47-5.725GHz	21.675M	16.667M	16M7D1D	21.275M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	21.95M	17.766M	17M8D1D	21.225M	17.716M
5.47-5.725GHz	21.925M	17.791M	17M8D1D	21.475M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	40.35M	36.232M	36M2D1D	39.5M	36.132M
5.47-5.725GHz	40.5M	36.332M	36M3D1D	39.65M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	82M	75.762M	75M8D1D	81.2M	75.462M
5.47-5.725GHz	82.2M	75.962M	76M0D1D	81.2M	75.562M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	21.85M	17.791M	17M8D1D	21.475M	17.691M
5.47-5.725GHz	21.9M	17.816M	17M8D1D	21.475M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	40.35M	36.282M	36M3D1D	39.55M	36.182M
5.47-5.725GHz	40.55M	36.332M	36M3D1D	39.65M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	81.9M	75.762M	75M8D1D	81.1M	75.562M
5.47-5.725GHz	82.3M	75.962M	76M0D1D	81.1M	75.662M

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

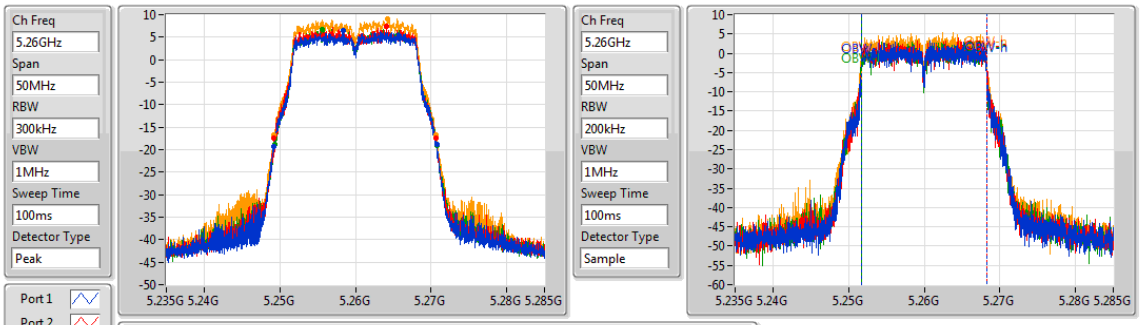
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.6M	16.592M	21.45M	16.617M	21.425M	16.592M	21.4M	16.617M
5300MHz	Pass	Inf	21.575M	16.567M	21.35M	16.567M	21.125M	16.592M	21.275M	16.542M
5320MHz	Pass	Inf	21.45M	16.542M	21.675M	16.642M	21.3M	16.567M	21.375M	16.567M
5500MHz	Pass	Inf	21.675M	16.567M	21.45M	16.567M	21.35M	16.567M	21.275M	16.567M
5580MHz	Pass	Inf	21.525M	16.592M	21.675M	16.617M	21.325M	16.592M	21.525M	16.617M
5700MHz	Pass	Inf	21.6M	16.667M	21.575M	16.592M	21.45M	16.567M	21.425M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.8M	17.766M	21.425M	17.716M	21.45M	17.741M	21.55M	17.766M
5300MHz	Pass	Inf	21.95M	17.766M	21.5M	17.741M	21.55M	17.741M	21.575M	17.766M
5320MHz	Pass	Inf	21.825M	17.766M	21.475M	17.766M	21.225M	17.741M	21.825M	17.741M
5500MHz	Pass	Inf	21.8M	17.716M	21.475M	17.716M	21.65M	17.741M	21.65M	17.741M
5580MHz	Pass	Inf	21.8M	17.791M	21.6M	17.741M	21.65M	17.766M	21.55M	17.741M
5700MHz	Pass	Inf	21.925M	17.716M	21.55M	17.741M	21.6M	17.741M	21.6M	17.741M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.35M	36.232M	39.5M	36.232M	39.75M	36.182M	39.95M	36.232M
5310MHz	Pass	Inf	40.15M	36.182M	39.5M	36.132M	39.75M	36.232M	39.7M	36.182M
5510MHz	Pass	Inf	40.35M	36.232M	39.65M	36.232M	39.9M	36.182M	39.85M	36.182M
5550MHz	Pass	Inf	40.5M	36.232M	39.8M	36.282M	40.1M	36.232M	39.7M	36.282M
5670MHz	Pass	Inf	40.4M	36.232M	39.85M	36.232M	40.2M	36.282M	39.8M	36.332M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82M	75.762M	81.2M	75.662M	81.3M	75.462M	81.4M	75.762M
5530MHz	Pass	Inf	81.4M	75.762M	81.8M	75.662M	81.2M	75.562M	81.6M	75.762M
5610MHz	Pass	Inf	82M	75.962M	82.2M	75.762M	81.8M	75.762M	81.4M	75.562M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.85M	17.791M	21.6M	17.741M	21.525M	17.741M	21.475M	17.716M
5300MHz	Pass	Inf	21.75M	17.741M	21.55M	17.716M	21.5M	17.766M	21.6M	17.741M
5320MHz	Pass	Inf	21.85M	17.741M	21.525M	17.741M	21.55M	17.691M	21.575M	17.741M
5500MHz	Pass	Inf	21.9M	17.816M	21.55M	17.741M	21.575M	17.741M	21.775M	17.691M
5580MHz	Pass	Inf	21.9M	17.766M	21.475M	17.716M	21.55M	17.716M	21.575M	17.741M
5700MHz	Pass	Inf	21.825M	17.766M	21.525M	17.766M	21.6M	17.716M	21.7M	17.766M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.35M	36.182M	39.9M	36.232M	39.9M	36.182M	39.6M	36.232M
5310MHz	Pass	Inf	40.15M	36.182M	39.55M	36.282M	40.05M	36.182M	39.65M	36.282M
5510MHz	Pass	Inf	40.55M	36.282M	39.8M	36.232M	40M	36.332M	39.8M	36.232M
5550MHz	Pass	Inf	40.3M	36.232M	39.65M	36.282M	39.9M	36.282M	39.8M	36.232M
5670MHz	Pass	Inf	40.35M	36.282M	39.95M	36.332M	39.65M	36.282M	39.95M	36.182M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.9M	75.762M	81.1M	75.762M	81.2M	75.562M	81.3M	75.662M
5530MHz	Pass	Inf	82.3M	75.662M	81.4M	75.662M	81.5M	75.662M	81.1M	75.762M
5610MHz	Pass	Inf	81.8M	75.762M	81.5M	75.862M	81.6M	75.862M	81.3M	75.962M

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)_4TX EBW

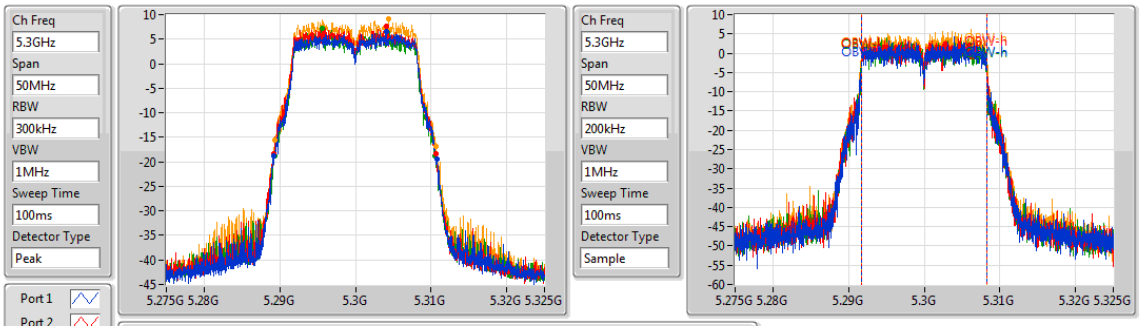
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.24915G	5.27075G	16.592M	5.251679G	5.268271G	Inf	1
21.45M	5.24925G	5.2707G	16.617M	5.251679G	5.268296G	Inf	2
21.425M	5.2493G	5.270725G	16.592M	5.251654G	5.268246G	Inf	3
21.4M	5.24925G	5.27065G	16.617M	5.251654G	5.268271G	Inf	4

802.11a_(6Mbps)_4TX EBW

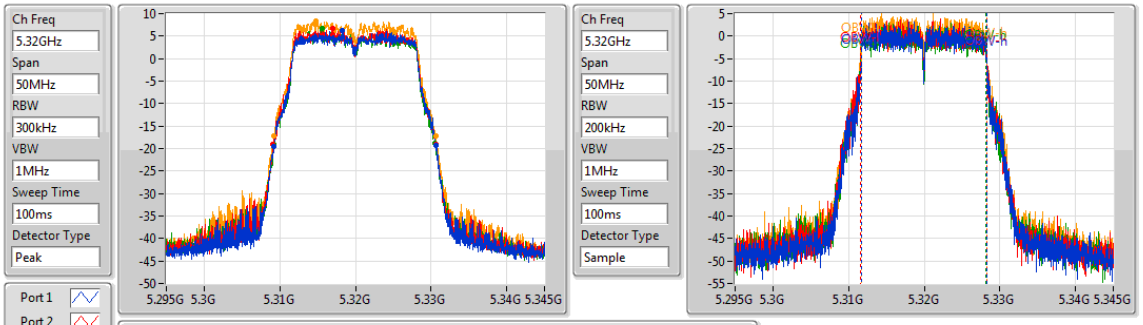
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.289225G	5.3108G	16.567M	5.291654G	5.308221G	Inf	1
21.35M	5.289275G	5.310625G	16.567M	5.291679G	5.308246G	Inf	2
21.125M	5.289325G	5.31045G	16.592M	5.291654G	5.308246G	Inf	3
21.275M	5.2894G	5.310675G	16.542M	5.291679G	5.308221G	Inf	4

802.11a_(6Mbps)_4TX EBW

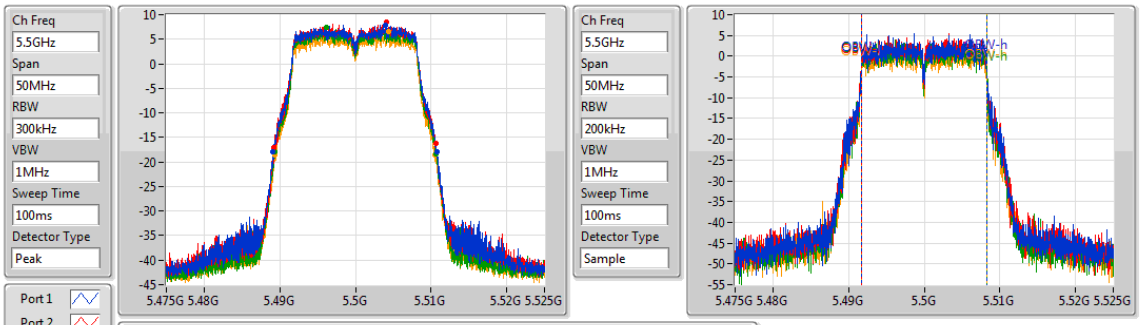
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.309225G	5.330675G	16.542M	5.311679G	5.328221G	Inf	1
21.675M	5.309025G	5.3307G	16.642M	5.311604G	5.328246G	Inf	2
21.3M	5.309275G	5.330575G	16.567M	5.311629G	5.328196G	Inf	3
21.375M	5.30925G	5.330625G	16.567M	5.311654G	5.328221G	Inf	4

802.11a_(6Mbps)_4TX EBW

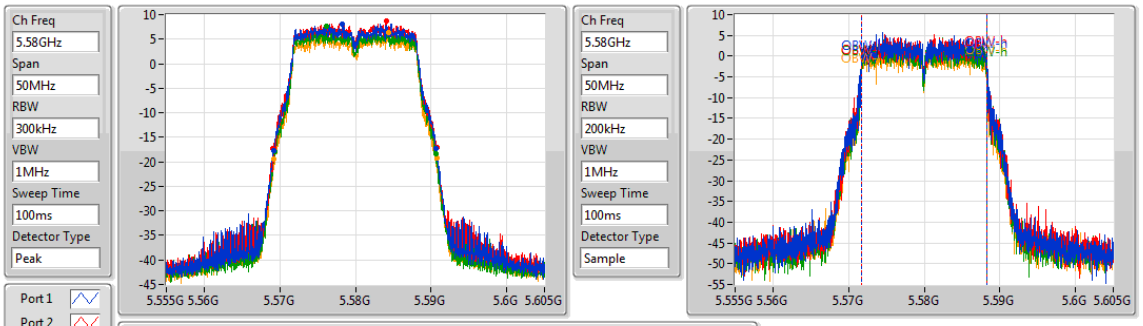
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.489125G	5.5108G	16.567M	5.491679G	5.508246G	Inf	1
21.45M	5.4892G	5.51065G	16.567M	5.491679G	5.508246G	Inf	2
21.35M	5.48935G	5.5107G	16.567M	5.491679G	5.508246G	Inf	3
21.275M	5.4893G	5.510575G	16.567M	5.491654G	5.508221G	Inf	4

802.11a_(6Mbps)_4TX EBW

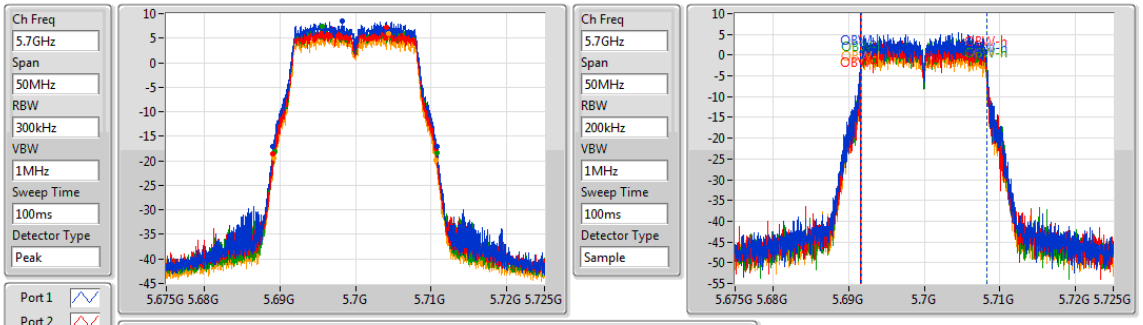
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.525M	5.56915G	5.590675G	16.592M	5.571679G	5.588271G	Inf	1
21.675M	5.5691G	5.590775G	16.617M	5.571654G	5.588271G	Inf	2
21.325M	5.569325G	5.59065G	16.592M	5.571654G	5.588246G	Inf	3
21.525M	5.569275G	5.5908G	16.617M	5.571654G	5.588271G	Inf	4

802.11a_(6Mbps)_4TX EBW

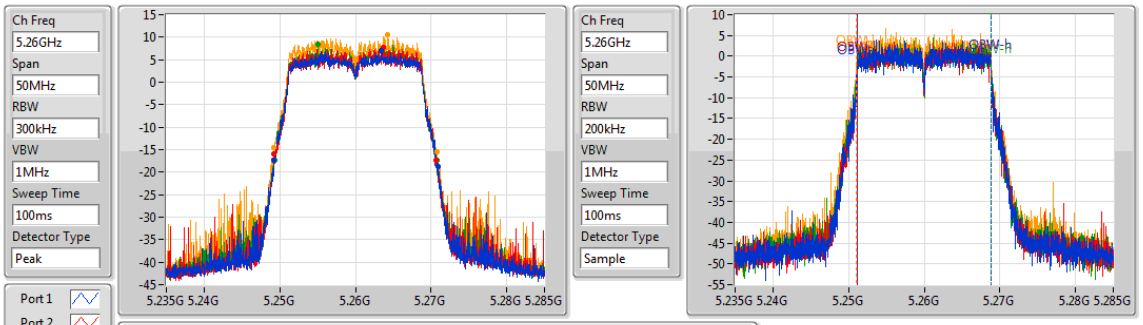
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.689125G	5.710725G	16.667M	5.691604G	5.708271G	Inf	1
21.575M	5.6891G	5.710675G	16.592M	5.691629G	5.708221G	Inf	2
21.45M	5.6893G	5.71075G	16.567M	5.691654G	5.708221G	Inf	3
21.425M	5.68925G	5.710675G	16.567M	5.691654G	5.708221G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

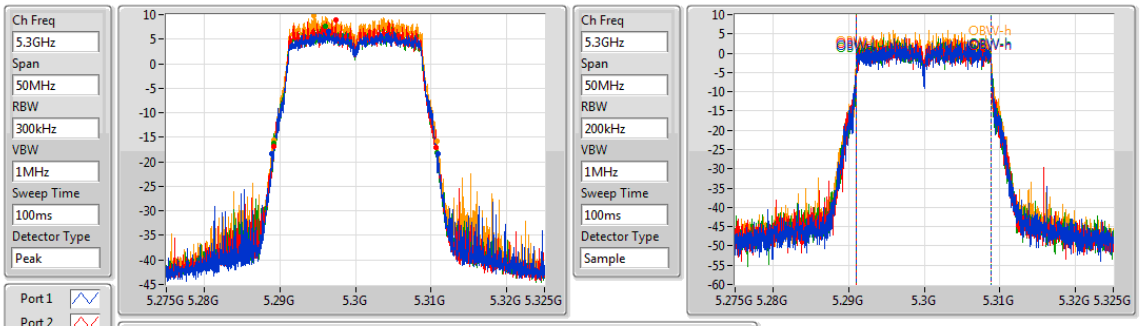
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.249175G	5.270975G	17.766M	5.251104G	5.268871G	Inf	1
21.425M	5.249275G	5.2707G	17.716M	5.251129G	5.268846G	Inf	2
21.45M	5.2493G	5.27075G	17.741M	5.251104G	5.268846G	Inf	3
21.55M	5.249175G	5.270725G	17.766M	5.251054G	5.268821G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

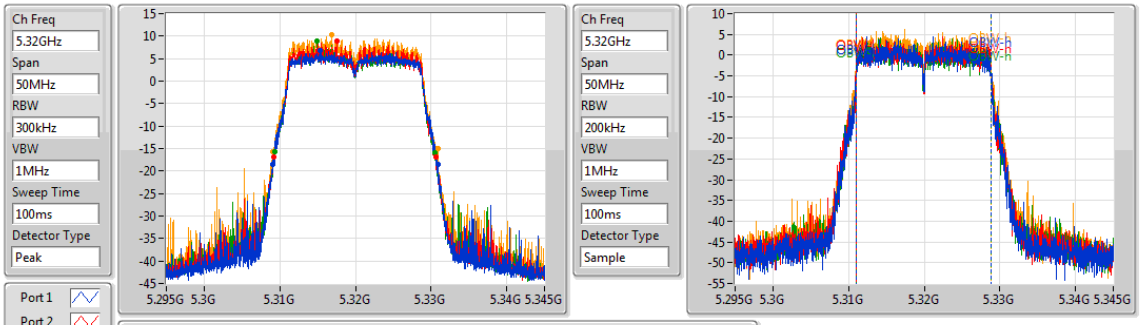
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.95M	5.28895G	5.3109G	17.766M	5.291054G	5.308821G	Inf	1
21.5M	5.2892G	5.3107G	17.741M	5.291079G	5.308821G	Inf	2
21.55M	5.2892G	5.31075G	17.741M	5.291079G	5.308821G	Inf	3
21.575M	5.28915G	5.310725G	17.766M	5.291079G	5.308846G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

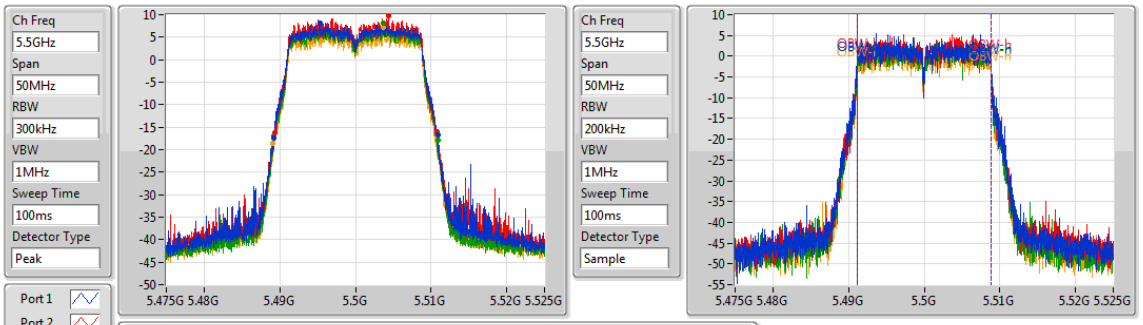
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.309075G	5.3309G	17.766M	5.311079G	5.328846G	Inf	1
21.475M	5.309175G	5.33065G	17.766M	5.311054G	5.328821G	Inf	2
21.225M	5.3093G	5.330525G	17.741M	5.311079G	5.328821G	Inf	3
21.825M	5.30905G	5.330875G	17.741M	5.311054G	5.328796G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

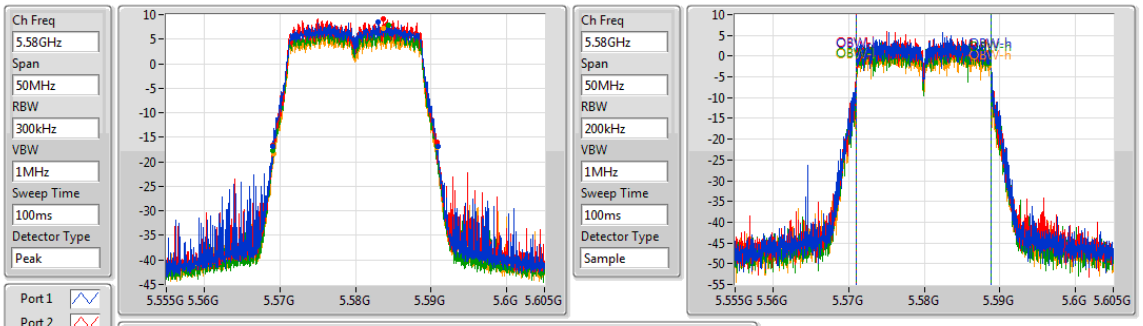
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.489175G	5.510975G	17.716M	5.491104G	5.508821G	Inf	1
21.475M	5.4893G	5.510775G	17.716M	5.491104G	5.508821G	Inf	2
21.65M	5.48925G	5.5109G	17.741M	5.491104G	5.508846G	Inf	3
21.65M	5.489125G	5.510775G	17.741M	5.491104G	5.508846G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

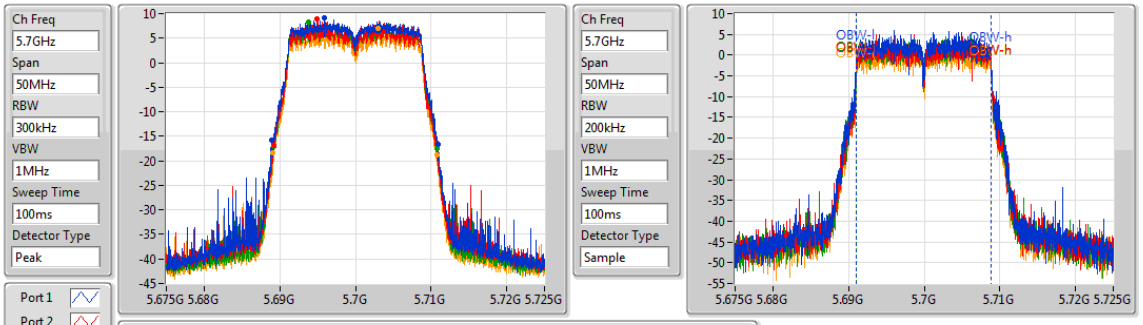
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.569075G	5.590875G	17.791M	5.571054G	5.588846G	Inf	1
21.6M	5.569125G	5.590725G	17.741M	5.571079G	5.588821G	Inf	2
21.65M	5.569075G	5.590725G	17.766M	5.571079G	5.588846G	Inf	3
21.55M	5.5692G	5.59075G	17.741M	5.571079G	5.588821G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

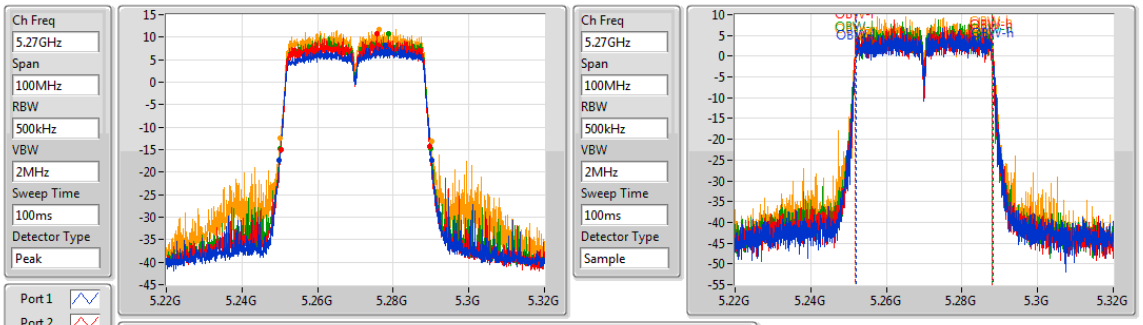
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.925M	5.68895G	5.710875G	17.716M	5.691079G	5.708796G	Inf	1
21.55M	5.6892G	5.71075G	17.741M	5.691079G	5.708821G	Inf	2
21.6M	5.6892G	5.7108G	17.741M	5.691079G	5.708821G	Inf	3
21.6M	5.689125G	5.710725G	17.741M	5.691079G	5.708821G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

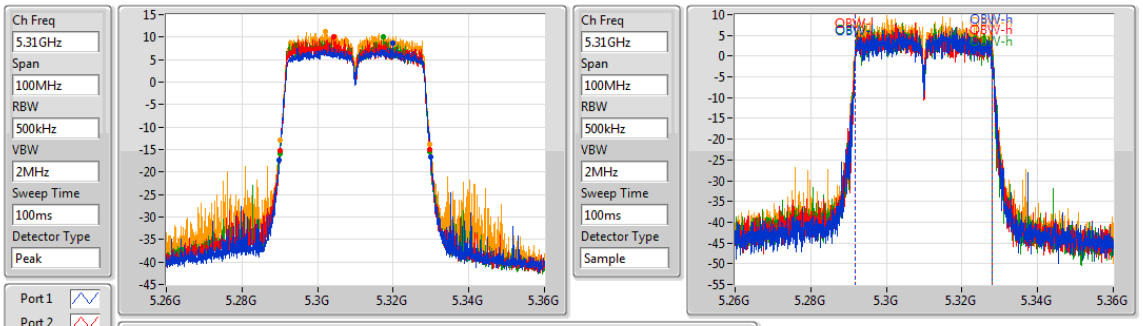
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.2498G	5.29015G	36.232M	5.251909G	5.288141G	Inf	1
39.5M	5.25025G	5.28975G	36.232M	5.251859G	5.288091G	Inf	2
39.75M	5.25015G	5.2899G	36.182M	5.251859G	5.288041G	Inf	3
39.95M	5.25015G	5.2901G	36.232M	5.251859G	5.288091G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

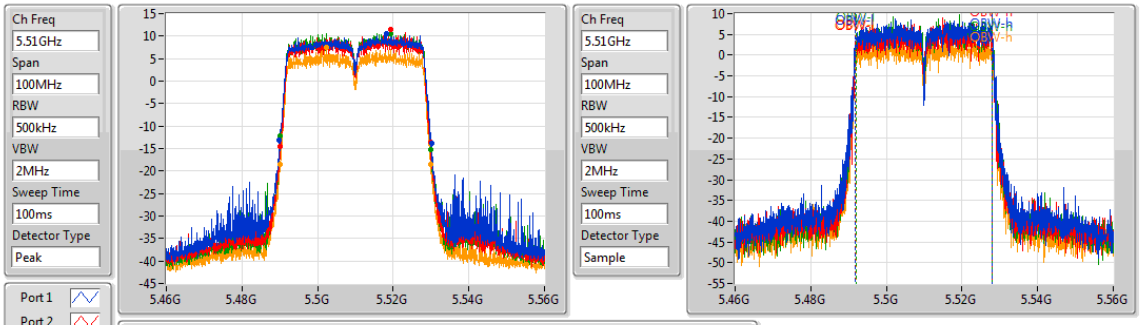
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.2899G	5.33005G	36.182M	5.291859G	5.328041G	Inf	1
39.5M	5.2901G	5.3296G	36.132M	5.291859G	5.327991G	Inf	2
39.75M	5.28995G	5.3297G	36.232M	5.291759G	5.327991G	Inf	3
39.7M	5.29G	5.3297G	36.182M	5.291859G	5.328041G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5510MHz

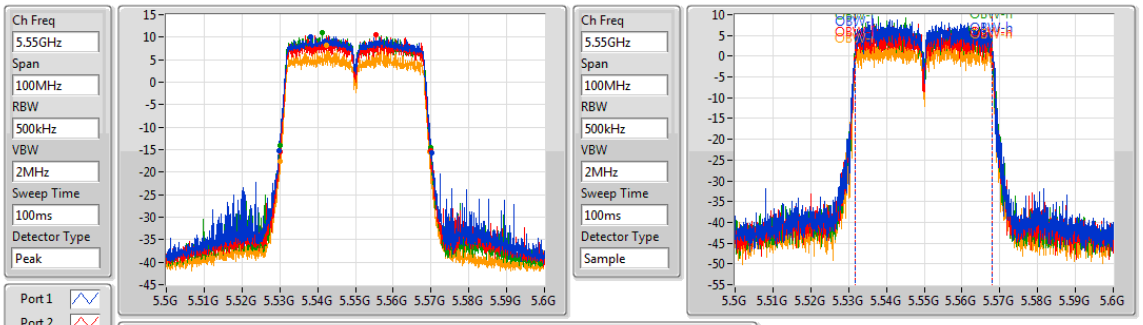


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.4899G	5.53025G	36.232M	5.491859G	5.528091G	Inf	1
39.65M	5.4902G	5.52985G	36.232M	5.491859G	5.528091G	Inf	2
39.9M	5.49015G	5.53005G	36.182M	5.491909G	5.528091G	Inf	3
39.85M	5.4901G	5.52995G	36.182M	5.491909G	5.528091G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5550MHz

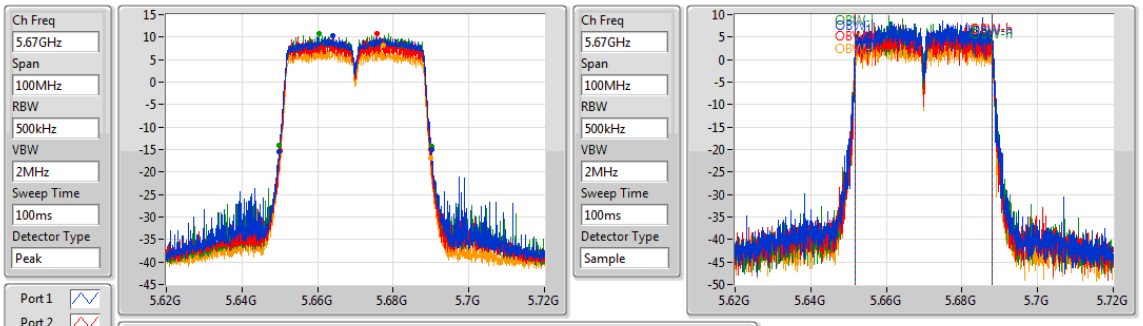


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.5297G	5.5702G	36.232M	5.531809G	5.568041G	Inf	1
39.8M	5.53005G	5.56985G	36.282M	5.531809G	5.568091G	Inf	2
40.1M	5.52995G	5.57005G	36.232M	5.531759G	5.567991G	Inf	3
39.7M	5.53G	5.5697G	36.282M	5.531759G	5.568041G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5670MHz

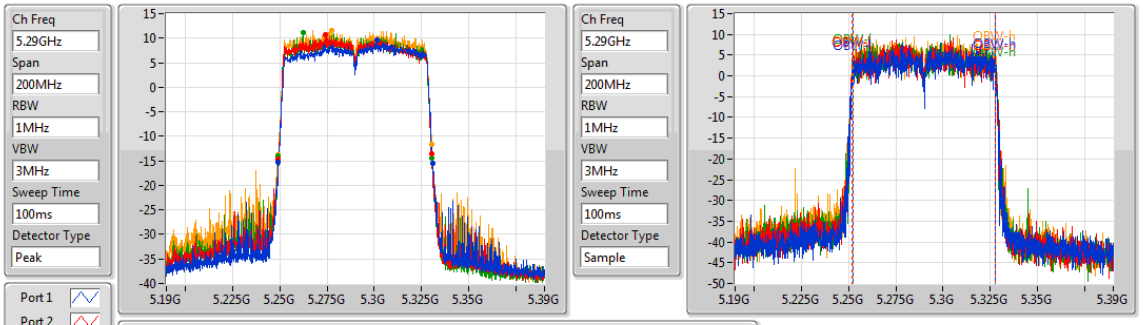


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.4M	5.6498G	5.6902G	36.232M	5.651859G	5.688091G	Inf	1
39.85M	5.65G	5.68985G	36.232M	5.651809G	5.688041G	Inf	2
40.2M	5.6499G	5.6901G	36.282M	5.651809G	5.688091G	Inf	3
39.8M	5.6501G	5.6899G	36.332M	5.651759G	5.688091G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

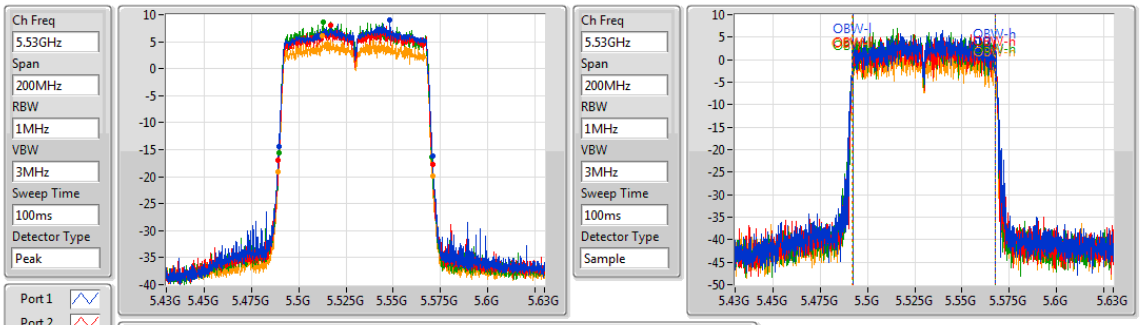
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.2492G	5.3312G	75.762M	5.252119G	5.327881G	Inf	1
81.2M	5.2492G	5.3304G	75.662M	5.252019G	5.327681G	Inf	2
81.3M	5.2493G	5.3306G	75.462M	5.252119G	5.327581G	Inf	3
81.4M	5.2491G	5.3305G	75.762M	5.252119G	5.327881G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

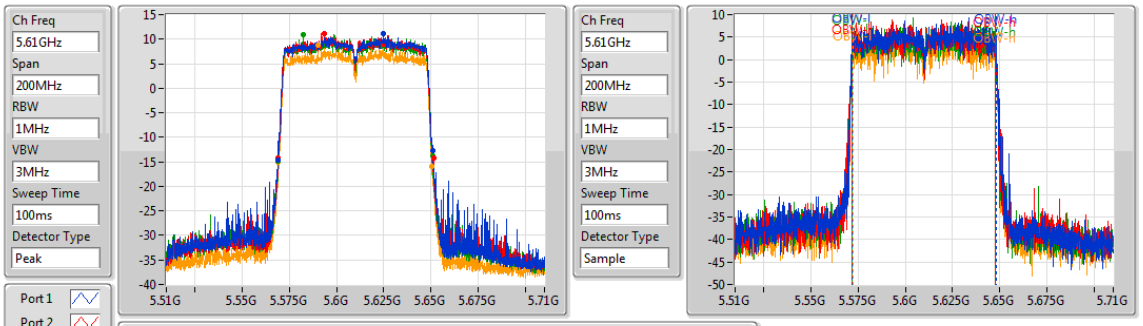
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	5.4894G	5.5708G	75.762M	5.492119G	5.567881G	Inf	1
81.8M	5.4892G	5.571G	75.662M	5.492219G	5.567881G	Inf	2
81.2M	5.4894G	5.5706G	75.562M	5.492119G	5.567681G	Inf	3
81.6M	5.4891G	5.5707G	75.762M	5.492019G	5.567781G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

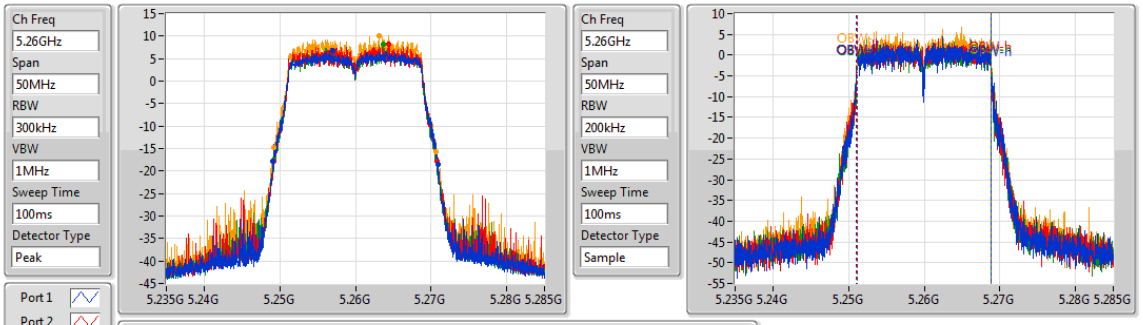
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.569G	5.651G	75.962M	5.572019G	5.647981G	Inf	1
82.2M	5.5691G	5.6513G	75.762M	5.572019G	5.647781G	Inf	2
81.8M	5.5691G	5.6509G	75.762M	5.572019G	5.647781G	Inf	3
81.4M	5.5691G	5.6505G	75.562M	5.572119G	5.647681G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

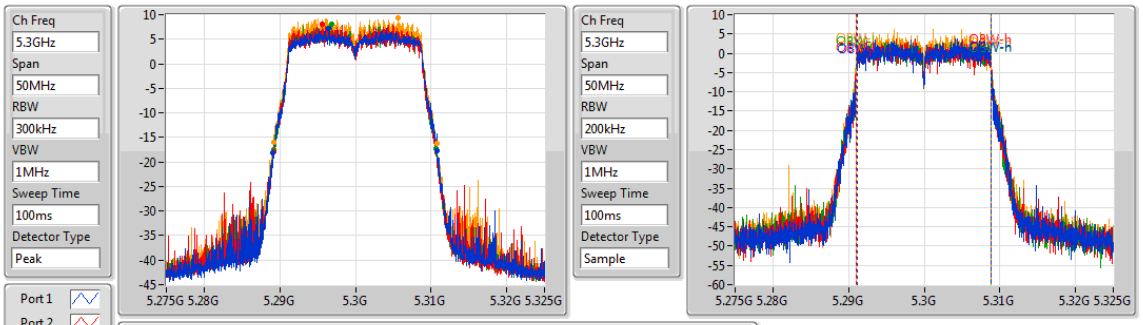
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.85M	5.2491G	5.27095G	17.791M	5.251079G	5.268871G	Inf	1
21.6M	5.249225G	5.270825G	17.741M	5.251104G	5.268846G	Inf	2
21.525M	5.249275G	5.2708G	17.741M	5.251104G	5.268846G	Inf	3
21.475M	5.249225G	5.2707G	17.716M	5.251129G	5.268846G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **EBW**

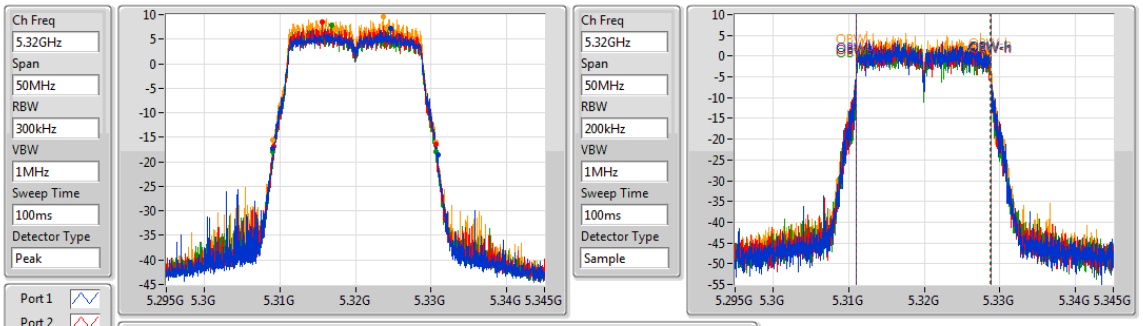
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.2891G	5.31085G	17.741M	5.291104G	5.308846G	Inf	1
21.55M	5.2892G	5.31075G	17.716M	5.291079G	5.308796G	Inf	2
21.5M	5.2892G	5.3107G	17.766M	5.291079G	5.308846G	Inf	3
21.6M	5.28915G	5.31075G	17.741M	5.291079G	5.308821G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **EBW**

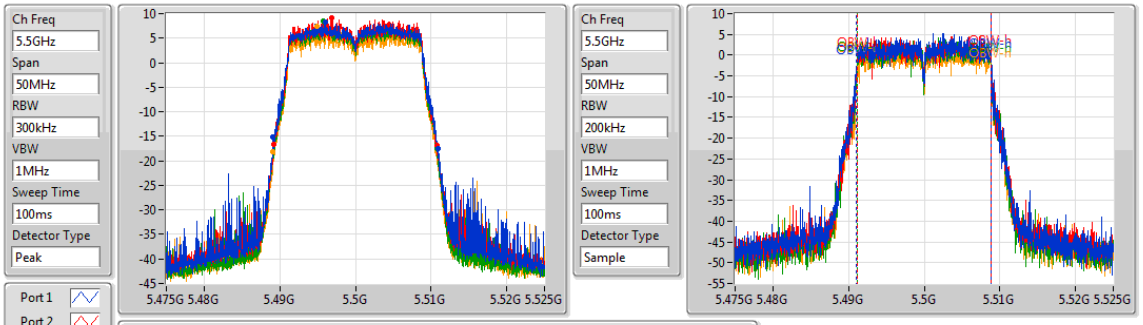
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.85M	5.309025G	5.330875G	17.741M	5.311054G	5.328796G	Inf	1
21.525M	5.30915G	5.330675G	17.741M	5.311054G	5.328796G	Inf	2
21.55M	5.309075G	5.330625G	17.691M	5.311079G	5.328771G	Inf	3
21.575M	5.309125G	5.3307G	17.741M	5.311054G	5.328796G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **EBW**

5500MHz

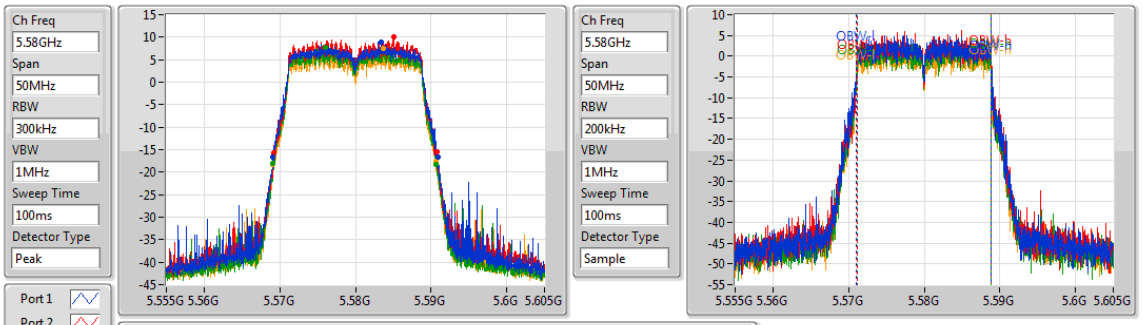


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.48905G	5.51095G	17.816M	5.491054G	5.508871G	Inf	1
21.55M	5.489175G	5.510725G	17.741M	5.491104G	5.508846G	Inf	2
21.575M	5.48925G	5.510825G	17.741M	5.491104G	5.508846G	Inf	3
21.775M	5.489025G	5.5108G	17.691M	5.491129G	5.508821G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

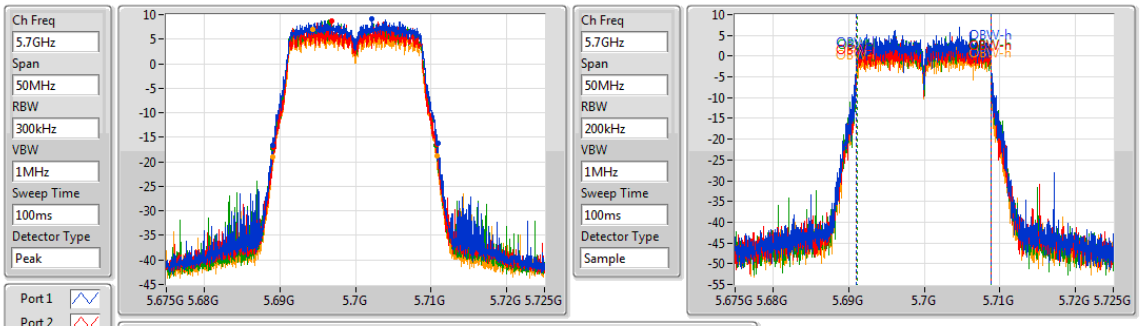


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.569025G	5.590925G	17.766M	5.571054G	5.588821G	Inf	1
21.475M	5.56925G	5.590725G	17.716M	5.571104G	5.588821G	Inf	2
21.55M	5.569125G	5.590675G	17.716M	5.571104G	5.588821G	Inf	3
21.575M	5.569125G	5.5907G	17.741M	5.571079G	5.588821G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

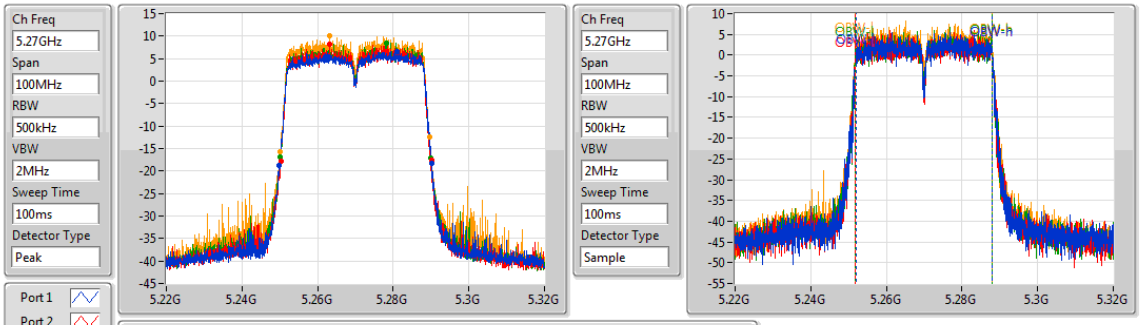


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.68905G	5.710875G	17.766M	5.691054G	5.708821G	Inf	1
21.525M	5.689225G	5.71075G	17.766M	5.691054G	5.708821G	Inf	2
21.6M	5.6891G	5.7107G	17.716M	5.691104G	5.708821G	Inf	3
21.7M	5.689125G	5.710825G	17.766M	5.691054G	5.708821G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

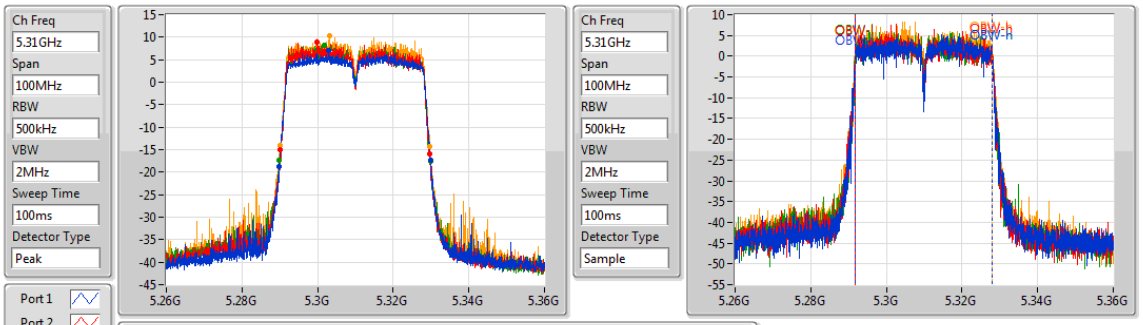
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.2498G	5.29015G	36.182M	5.251909G	5.288091G	Inf	1
39.9M	5.25025G	5.29015G	36.232M	5.251859G	5.288091G	Inf	2
39.9M	5.25G	5.2899G	36.182M	5.251859G	5.288041G	Inf	3
39.6M	5.2501G	5.2897G	36.232M	5.251859G	5.288091G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

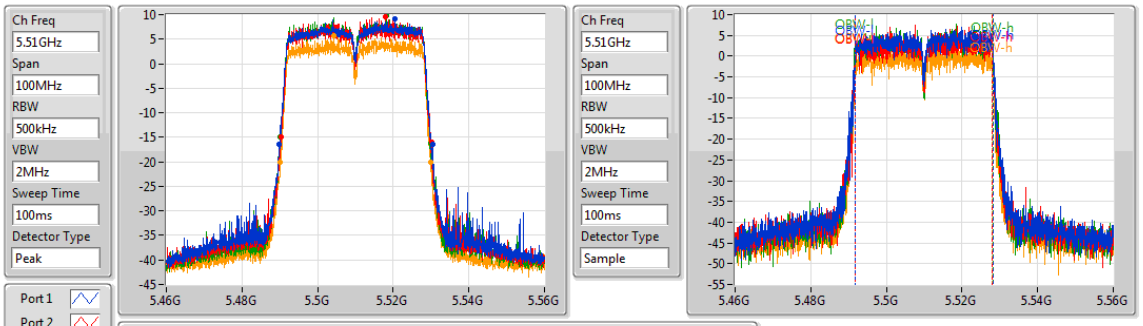
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.28985G	5.33G	36.182M	5.291859G	5.328041G	Inf	1
39.55M	5.29015G	5.3297G	36.282M	5.291809G	5.328091G	Inf	2
40.05M	5.2898G	5.32985G	36.182M	5.291809G	5.327991G	Inf	3
39.65M	5.2901G	5.32975G	36.282M	5.291759G	5.328041G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

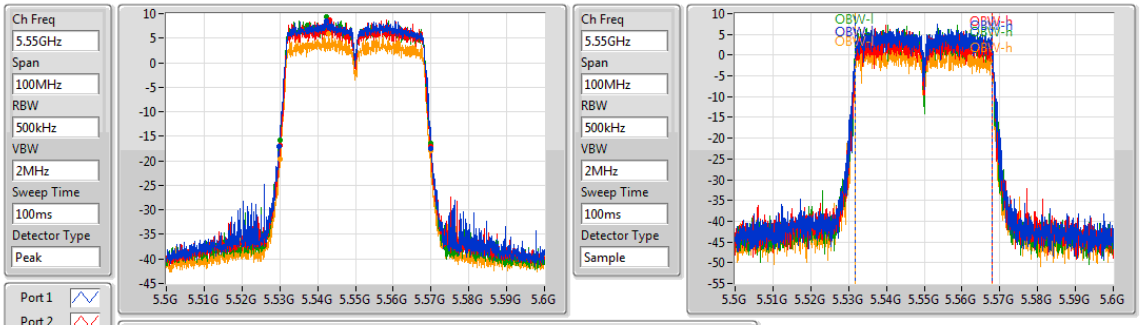
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.55M	5.4898G	5.53035G	36.282M	5.491859G	5.528141G	Inf	1
39.8M	5.4903G	5.5301G	36.232M	5.491859G	5.528091G	Inf	2
40M	5.49G	5.53G	36.332M	5.491809G	5.528141G	Inf	3
39.8M	5.4901G	5.5299G	36.232M	5.491809G	5.528041G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

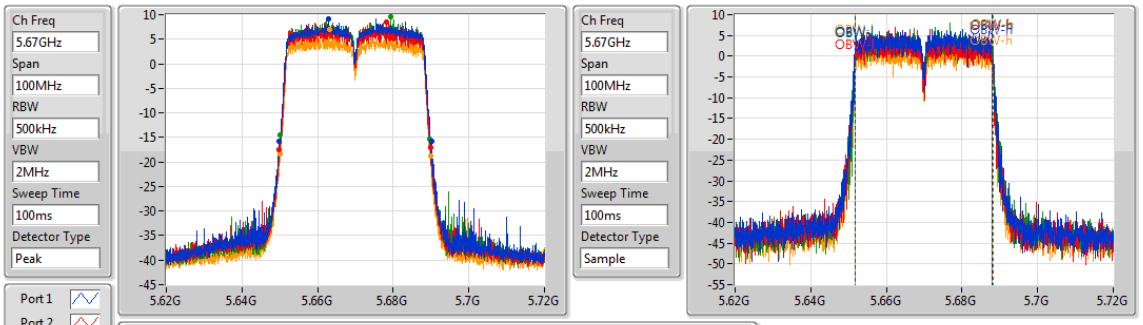
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.52975G	5.57005G	36.232M	5.531809G	5.568041G	Inf	1
39.65M	5.53015G	5.5698G	36.282M	5.531809G	5.568091G	Inf	2
39.9M	5.53G	5.5699G	36.282M	5.531759G	5.568041G	Inf	3
39.8M	5.5301G	5.5699G	36.232M	5.531809G	5.568041G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

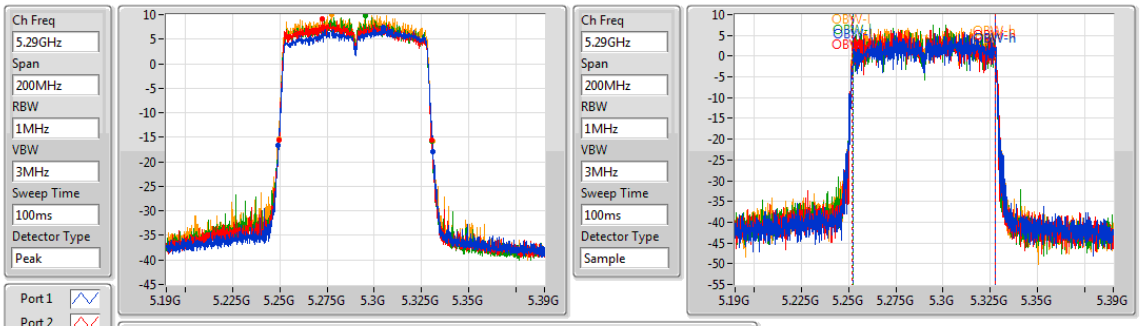
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.6499G	5.69025G	36.282M	5.651759G	5.688041G	Inf	1
39.95M	5.6499G	5.68985G	36.332M	5.651709G	5.688041G	Inf	2
39.65M	5.65005G	5.6897G	36.282M	5.651859G	5.688141G	Inf	3
39.95M	5.6501G	5.69005G	36.182M	5.651859G	5.688041G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

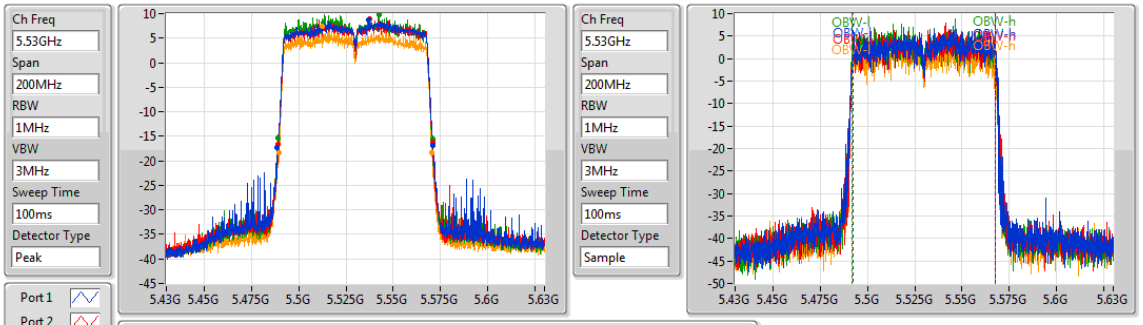
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.2493G	5.3312G	75.762M	5.252119G	5.327881G	Inf	1
81.1M	5.2495G	5.3306G	75.762M	5.252019G	5.327781G	Inf	2
81.2M	5.2494G	5.3306G	75.562M	5.252119G	5.327681G	Inf	3
81.3M	5.2494G	5.3307G	75.662M	5.252019G	5.327681G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

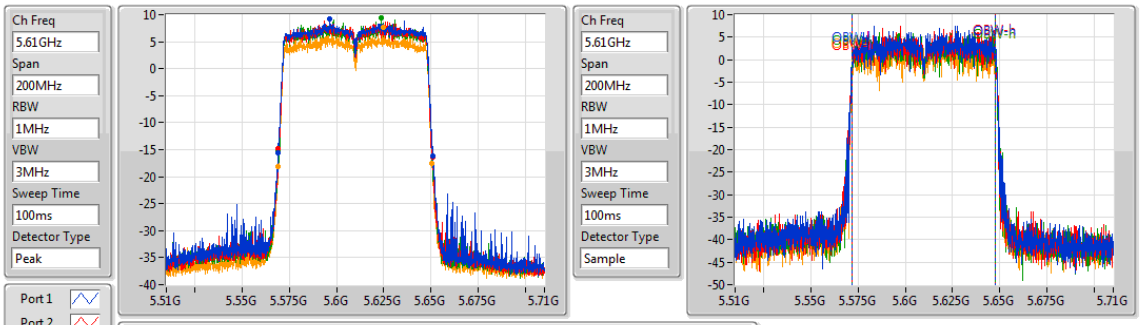
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.3M	5.4887G	5.571G	75.662M	5.492219G	5.567881G	Inf	1
81.4M	5.4893G	5.5707G	75.662M	5.492219G	5.567881G	Inf	2
81.5M	5.4893G	5.5708G	75.662M	5.492019G	5.567681G	Inf	3
81.1M	5.4895G	5.5706G	75.762M	5.492019G	5.567781G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX **EBW**

5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.8M	5.569G	5.6508G	75.762M	5.572019G	5.647781G	Inf	1
81.5M	5.5693G	5.6508G	75.862M	5.572019G	5.647881G	Inf	2
81.6M	5.5691G	5.6507G	75.862M	5.572019G	5.647881G	Inf	3
81.3M	5.5693G	5.6506G	75.962M	5.571919G	5.647881G	Inf	4

802.11ac VHT80+80
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.1M	75.862M	75M9D1D	80.8M	75.762M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	81.1M	75.562M	75M6D1D	80.4M	75.562M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.47-5.725GHz	81.15M	75.862M	75M9D1D	79.95M	75.712M

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;

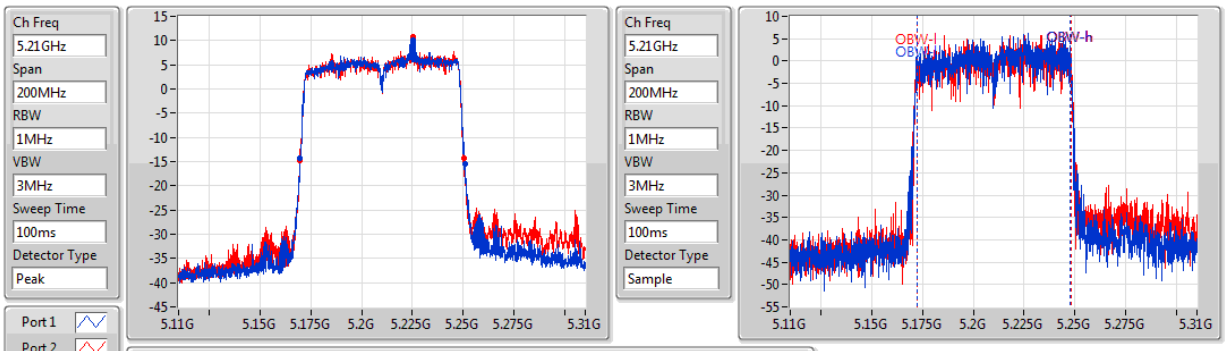
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	81.1M	75.762M	80.8M	75.862M				
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	Inf					81.1M	75.562M	80.4M	75.562M
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	81.15M	75.862M	80.55M	75.712M	81M	75.712M	79.95M	75.712M

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;

802.11ac VHT80+80_Nss1,(MCS0)_4TX EBW

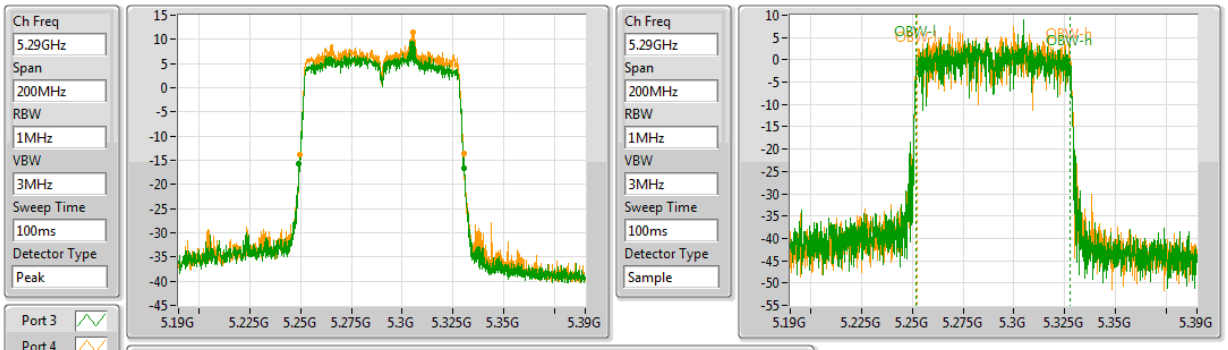
#5210MHz,5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.1M	5.1696G	5.2507G	75.762M	5.172119G	5.247881G	Inf	1
80.8M	5.1696G	5.2504G	75.862M	5.172219G	5.248081G	Inf	2

802.11ac VHT80+80_Nss1,(MCS0)_4TX EBW

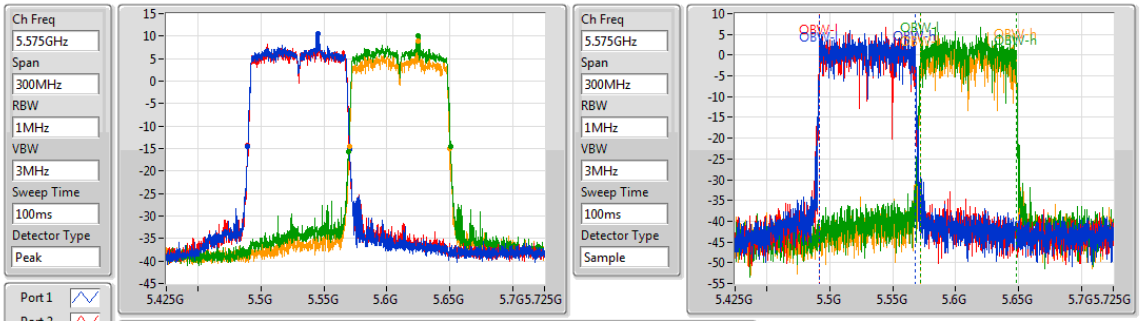
5210MHz,#5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.1M	5.2493G	5.3304G	75.562M	5.252019G	5.327581G	Inf	3
80.4M	5.2498G	5.3302G	75.562M	5.252219G	5.327781G	Inf	4

802.11ac VHT80+80_Nss1,(MCS0)_4TX EBW

#5530MHz,#5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.15M	5.4895G	5.57065G	75.862M	5.492091G	5.567954G	Inf	1
80.55M	5.4895G	5.57005G	75.712M	5.492091G	5.567804G	Inf	2
81M	5.5696G	5.6506G	75.712M	5.572151G	5.647864G	Inf	3
79.95M	5.57005G	5.65G	75.712M	5.572151G	5.647864G	Inf	4

802.11a, 802.11ac VHT20, 802.11ac VHT40, 802.11ac VHT80 Summary

Mode	Total Power (dBm)	Total Power (W)
802.11a_(6Mbps)_4TX	-	-
5.25-5.35GHz	21.76	0.14997
5.47-5.725GHz	21.82	0.15205
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	21.98	0.15776
5.47-5.725GHz	21.99	0.15812
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	23.79	0.23933
5.47-5.725GHz	23.87	0.24378
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	23.78	0.23878
5.47-5.725GHz	23.77	0.23823
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	21.82	0.15205
5.47-5.725GHz	21.95	0.15668
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	22.12	0.16293
5.47-5.725GHz	22.14	0.16368
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	22.06	0.16069
5.47-5.725GHz	22.02	0.15922

Result

Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	1.80	14.69	15.05	15.03	17.07	21.59	23.98
5300MHz	Pass	1.80	14.86	15.36	15.10	17.22	21.76	23.98
5320MHz	Pass	1.80	14.40	14.92	14.51	16.83	21.30	23.98
5500MHz	Pass	1.80	16.27	16.49	15.48	14.51	21.77	23.98
5580MHz	Pass	1.80	16.48	16.72	15.19	14.41	21.82	23.98
5700MHz	Pass	1.80	16.79	15.21	15.75	14.16	21.60	23.98
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	1.80	14.88	15.10	15.35	17.45	21.85	23.98
5300MHz	Pass	1.80	15.11	15.87	15.28	17.25	21.98	23.98
5320MHz	Pass	1.80	15.24	15.47	15.00	17.16	21.83	23.98
5500MHz	Pass	1.80	16.29	16.64	15.49	14.13	21.76	23.98
5580MHz	Pass	1.80	16.65	16.86	15.37	14.18	21.91	23.98
5700MHz	Pass	1.80	17.14	15.83	16.02	14.51	21.99	23.98
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	1.80	17.13	17.04	17.50	19.07	23.79	23.98
5310MHz	Pass	1.80	16.66	16.85	17.02	18.76	23.43	23.98
5510MHz	Pass	1.80	18.87	17.76	18.43	15.08	23.78	23.98
5550MHz	Pass	1.80	19.21	17.49	18.25	14.94	23.76	23.98
5670MHz	Pass	1.80	19.00	17.43	18.38	16.05	23.87	23.98
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	1.80	16.99	17.50	17.69	18.67	23.78	23.98
5530MHz	Pass	1.80	15.81	15.27	15.05	12.96	20.91	23.98
5610MHz	Pass	1.80	18.62	18.12	17.95	15.85	23.77	23.98
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.82	15.32	15.25	15.07	17.05	21.77	22.16
5300MHz	Pass	7.82	15.22	15.30	15.35	17.03	21.82	22.16
5320MHz	Pass	7.82	15.28	15.40	14.88	17.12	21.78	22.16
5500MHz	Pass	7.82	16.39	16.51	15.69	14.50	21.86	22.16
5580MHz	Pass	7.82	16.65	16.90	15.31	14.40	21.95	22.16
5700MHz	Pass	7.82	17.24	15.52	16.03	14.47	21.95	22.16
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.82	15.40	15.01	15.77	17.35	22.00	22.16
5310MHz	Pass	7.82	15.45	15.79	15.69	17.22	22.12	22.16
5510MHz	Pass	7.82	17.44	16.14	16.17	13.40	22.04	22.16
5550MHz	Pass	7.82	17.48	16.12	16.57	13.29	22.14	22.16
5670MHz	Pass	7.82	17.28	15.52	16.39	14.12	22.00	22.16
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.82	15.39	15.67	16.04	16.89	22.06	22.16
5530MHz	Pass	7.82	16.72	16.18	16.53	13.90	21.98	22.16
5610MHz	Pass	7.82	16.85	16.33	16.13	14.32	22.02	22.16

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

802.11ac VHT80+80
Summary

Mode	Total Power (dBm)	Total Power (W)
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	18.33	0.06808
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	18.15	0.06531
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-
5.47-5.725GHz	21.83	0.15241

Result

Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	1.80	15.44	15.20			18.33	30.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	1.80			15.25	15.03	18.15	23.98
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	1.80	16.02	16.08	15.57	15.54	21.83	23.98

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

802.11a, 802.11ac VHT20, 802.11ac VHT40, 802.11ac VHT80
Summary

Mode	PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-
5.25-5.35GHz	9.16
5.47-5.725GHz	9.16
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5.25-5.35GHz	9.14
5.47-5.725GHz	9.13
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5.25-5.35GHz	8.25
5.47-5.725GHz	8.23
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5.25-5.35GHz	5.47
5.47-5.725GHz	5.27
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5.25-5.35GHz	9.13
5.47-5.725GHz	9.15
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5.25-5.35GHz	6.49
5.47-5.725GHz	6.54
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5.25-5.35GHz	3.34
5.47-5.725GHz	3.15

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

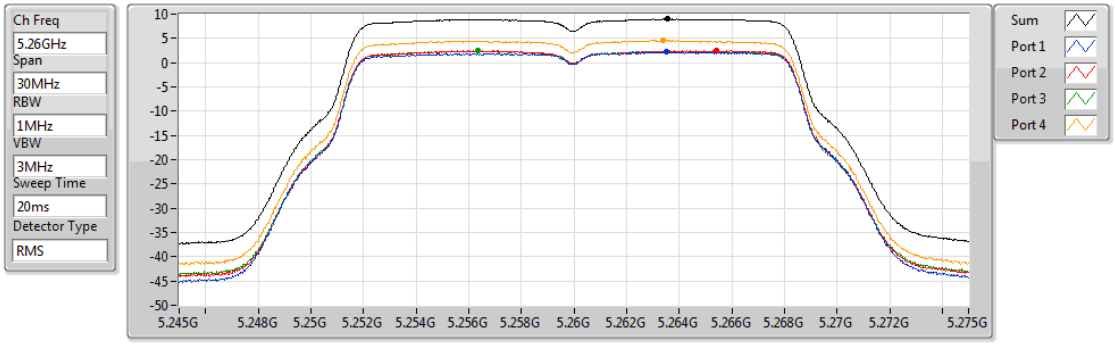
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.82	2.16	2.47	2.40	4.63	8.99	9.18
5300MHz	Pass	7.82	2.27	3.04	2.78	4.56	9.16	9.18
5320MHz	Pass	7.82	1.89	2.56	2.45	4.50	8.93	9.18
5500MHz	Pass	7.82	3.78	3.96	2.90	1.93	9.16	9.18
5580MHz	Pass	7.82	3.75	4.03	2.59	1.60	9.03	9.18
5700MHz	Pass	7.82	4.31	2.90	3.22	1.81	9.08	9.18
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.82	2.26	2.42	2.54	4.55	9.00	9.18
5300MHz	Pass	7.82	2.31	2.89	2.72	4.57	9.14	9.18
5320MHz	Pass	7.82	2.43	3.04	2.42	4.63	9.14	9.18
5500MHz	Pass	7.82	3.56	3.99	2.82	1.69	9.05	9.18
5580MHz	Pass	7.82	3.90	4.20	2.65	1.68	9.13	9.18
5700MHz	Pass	7.82	4.30	2.80	3.27	1.63	9.04	9.18
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.82	1.11	1.68	2.37	3.69	8.25	9.18
5310MHz	Pass	7.82	1.13	1.56	1.77	3.36	8.01	9.18
5510MHz	Pass	7.82	3.51	2.26	2.95	-0.64	8.23	9.18
5550MHz	Pass	7.82	3.61	1.96	2.77	-0.68	8.11	9.18
5670MHz	Pass	7.82	3.59	1.98	2.83	0.38	8.22	9.18
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.82	-0.98	-0.44	-0.51	0.43	5.47	9.18
5530MHz	Pass	7.82	-2.29	-3.04	-2.69	-5.49	2.63	9.18
5610MHz	Pass	7.82	0.16	-0.15	-0.59	-2.68	5.27	9.18
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.82	2.49	2.66	2.39	4.48	9.04	9.18
5300MHz	Pass	7.82	2.46	2.77	2.59	4.26	8.99	9.18
5320MHz	Pass	7.82	2.68	2.93	2.37	4.64	9.13	9.18
5500MHz	Pass	7.82	3.73	3.96	2.92	1.92	9.15	9.18
5580MHz	Pass	7.82	3.94	4.23	2.62	1.65	9.12	9.18
5700MHz	Pass	7.82	4.29	2.87	3.41	1.57	9.09	9.18
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.82	0.00	-0.47	0.18	1.69	6.36	9.18
5310MHz	Pass	7.82	-0.28	0.19	0.37	1.74	6.49	9.18
5510MHz	Pass	7.82	1.70	0.57	1.27	-2.37	6.54	9.18
5550MHz	Pass	7.82	1.78	0.31	1.05	-2.34	6.39	9.18
5670MHz	Pass	7.82	1.51	-0.05	0.75	-1.75	6.18	9.18
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.82	-3.11	-2.69	-2.43	-1.82	3.34	9.18
5530MHz	Pass	7.82	-1.91	-2.51	-1.80	-4.85	3.15	9.18
5610MHz	Pass	7.82	-2.13	-2.35	-2.86	-4.68	3.07	9.18

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)_4TX PSD

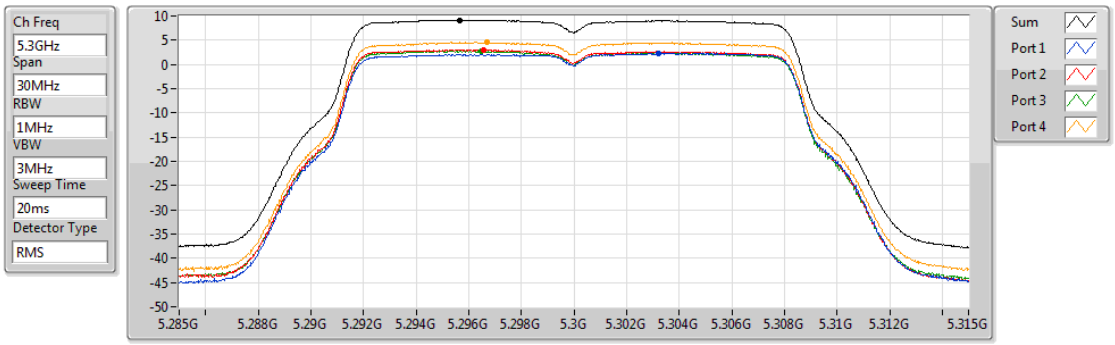
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	2.16	2.47	2.40	4.63

802.11a_(6Mbps)_4TX PSD

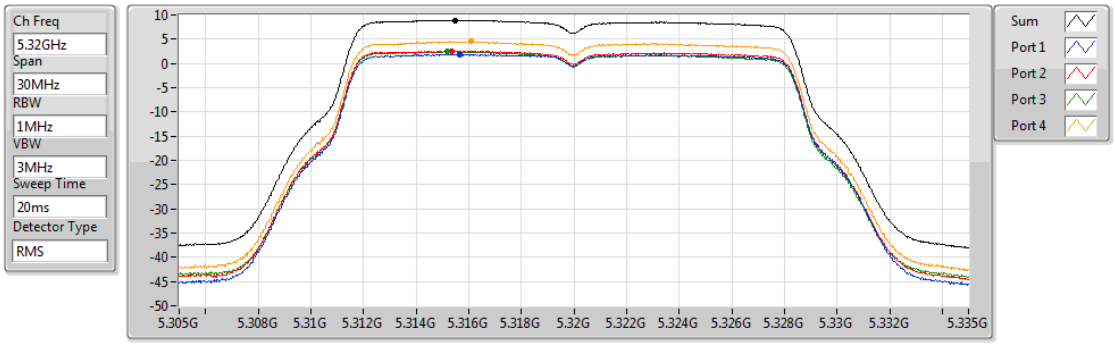
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.16	9.16	2.27	3.04	2.78	4.56

802.11a_(6Mbps)_4TX PSD

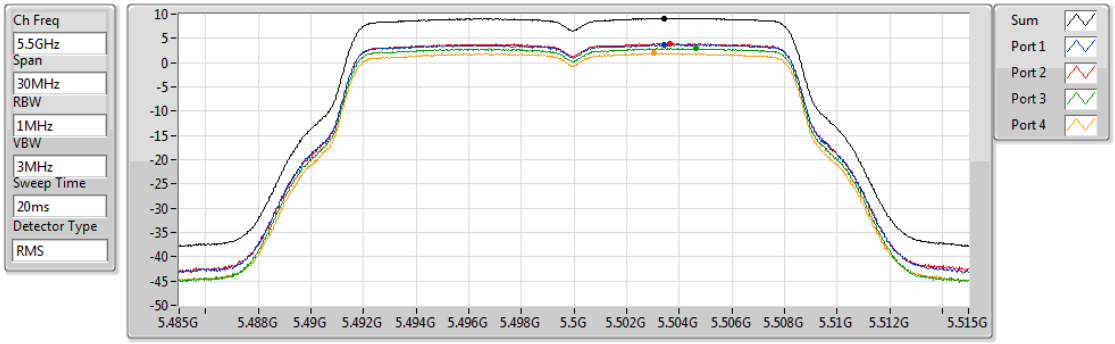
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.93	8.93	1.89	2.56	2.45	4.50

802.11a_(6Mbps)_4TX PSD

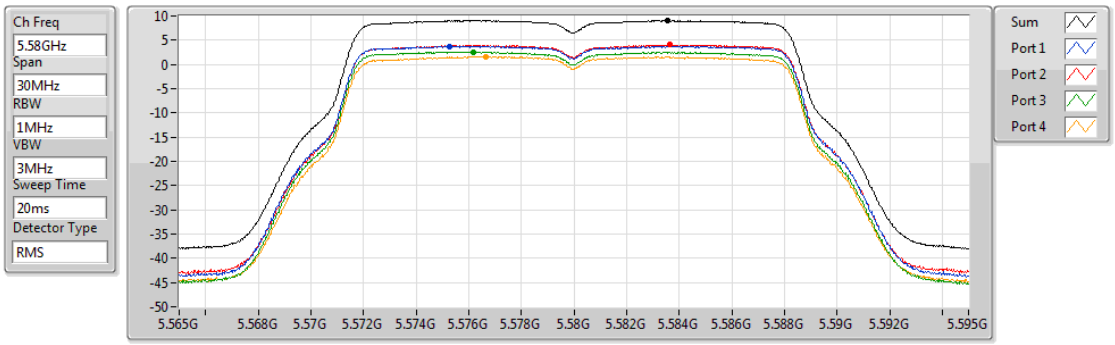
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.16	9.16	3.78	3.96	2.90	1.93

802.11a_(6Mbps)_4TX PSD

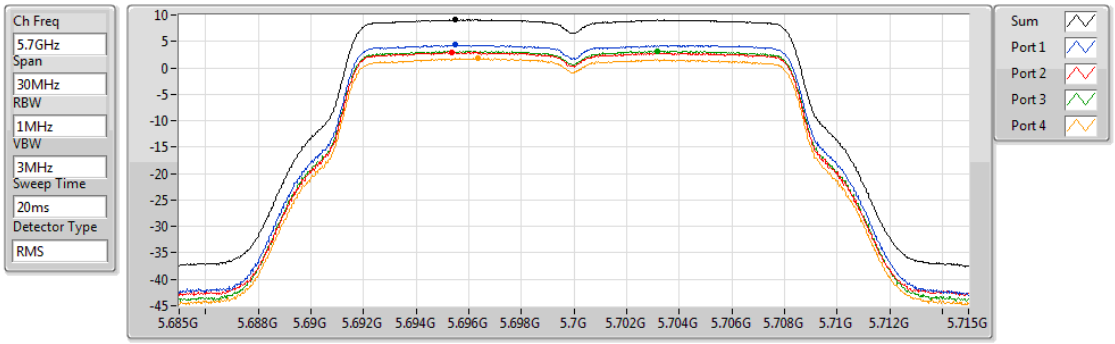
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.03	9.03	3.75	4.03	2.59	1.60

802.11a_(6Mbps)_4TX PSD

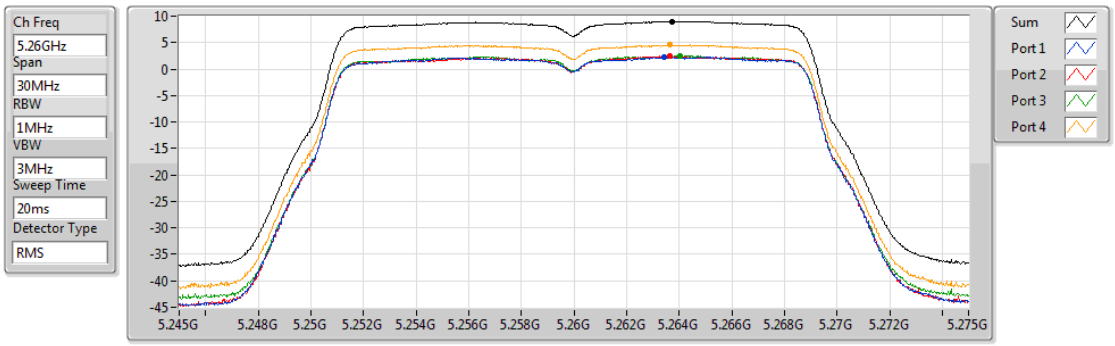
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.08	9.08	4.31	2.90	3.22	1.81

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

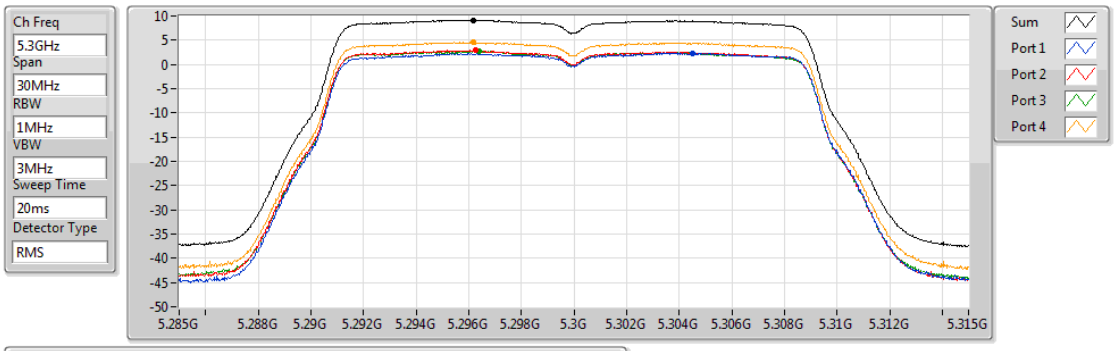
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.00	9.00	2.26	2.42	2.54	4.55

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

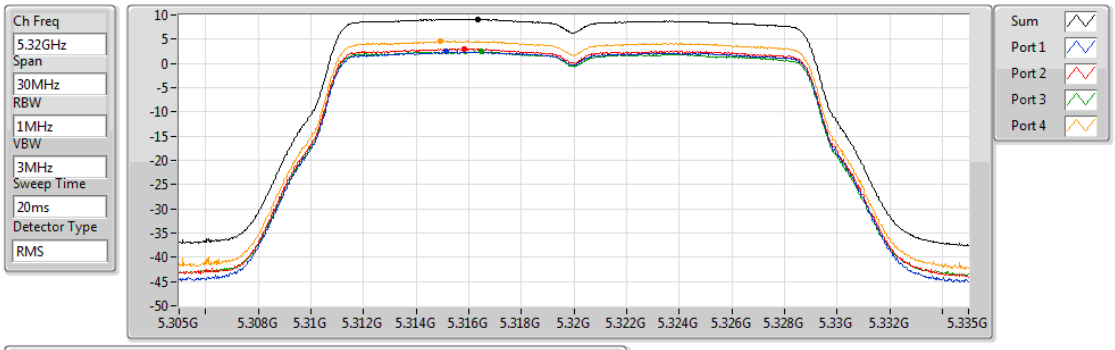
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.14	9.14	2.31	2.89	2.72	4.57

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

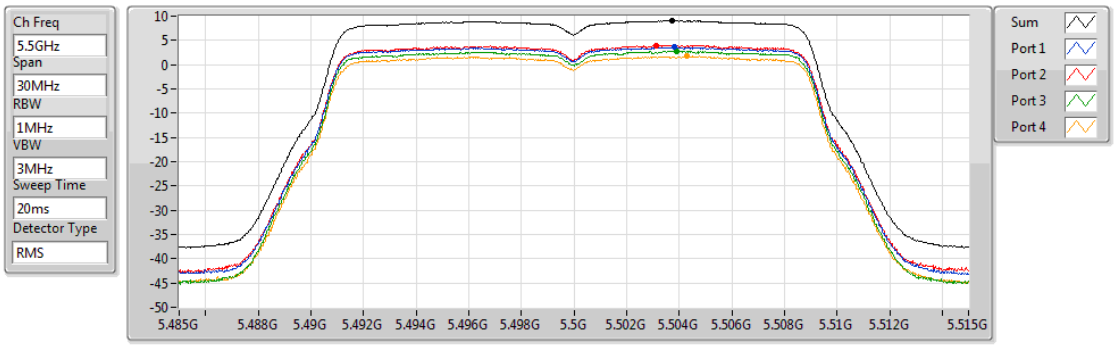
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.14	9.14	2.43	3.04	2.42	4.63

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

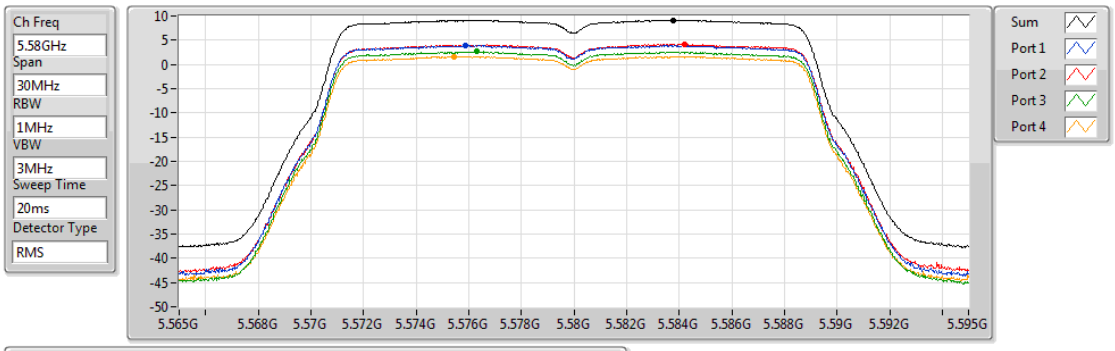
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.05	9.05	3.56	3.99	2.82	1.69

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

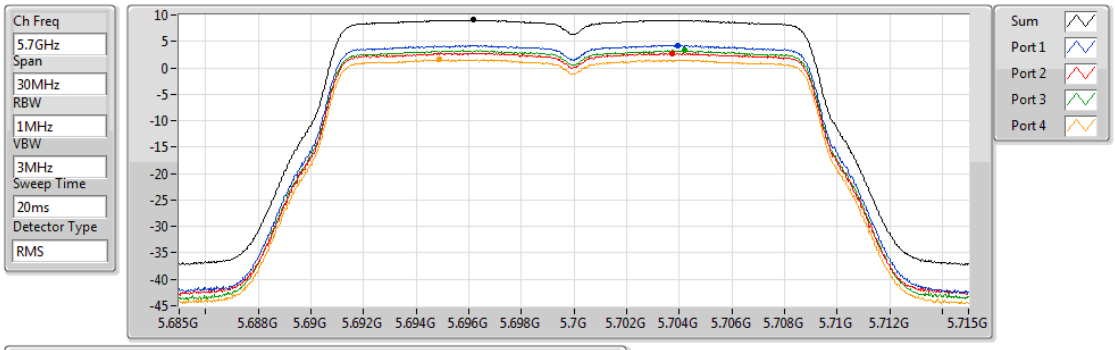
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.13	9.13	3.90	4.20	2.65	1.68

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

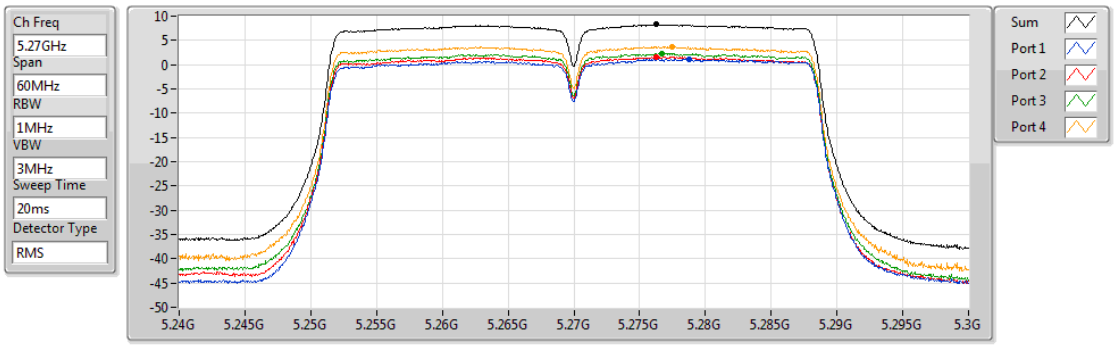
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.04	9.04	4.30	2.80	3.27	1.63

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

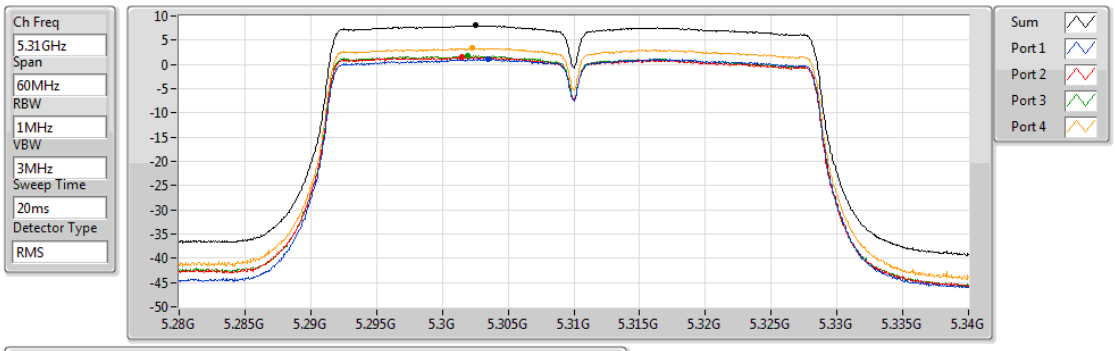
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.25	8.25	1.11	1.68	2.37	3.69

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

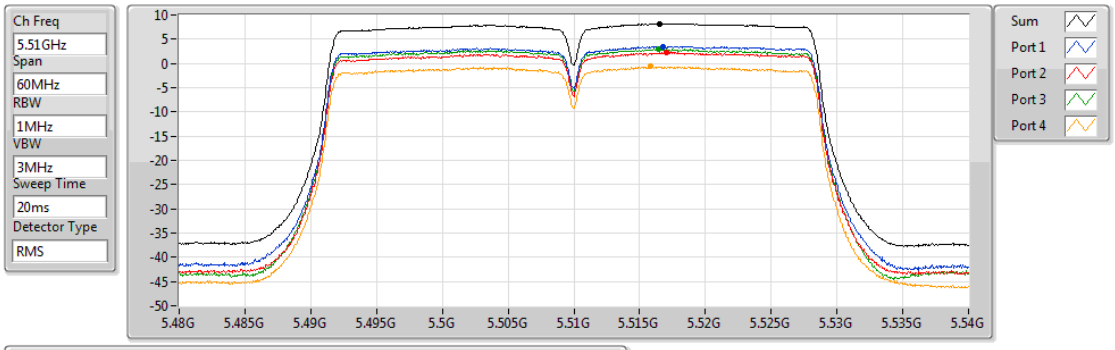
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.01	8.01	1.13	1.56	1.77	3.36

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

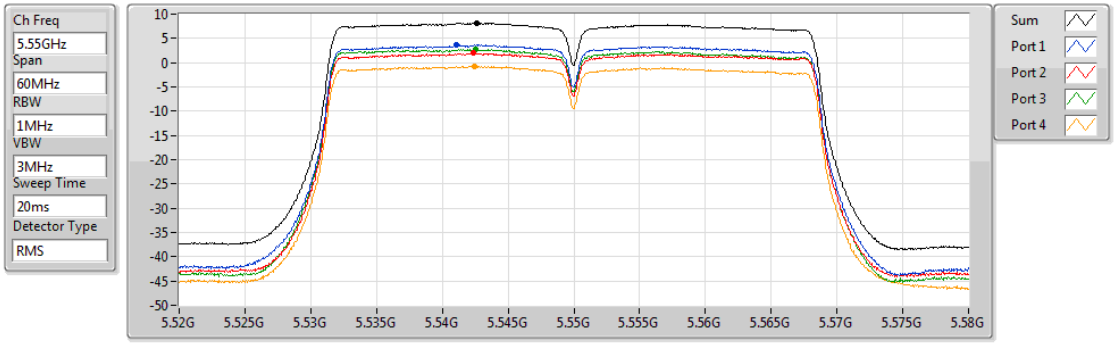
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.23	8.23	3.51	2.26	2.95	-0.64

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

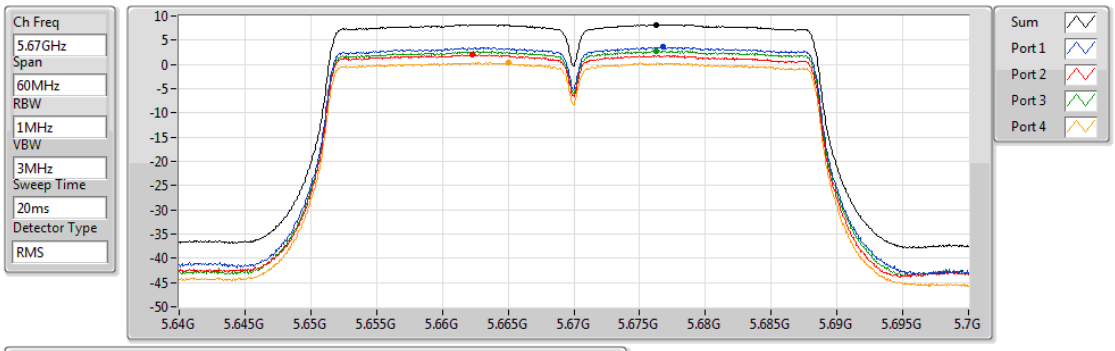
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.11	8.11	3.61	1.96	2.77	-0.68

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

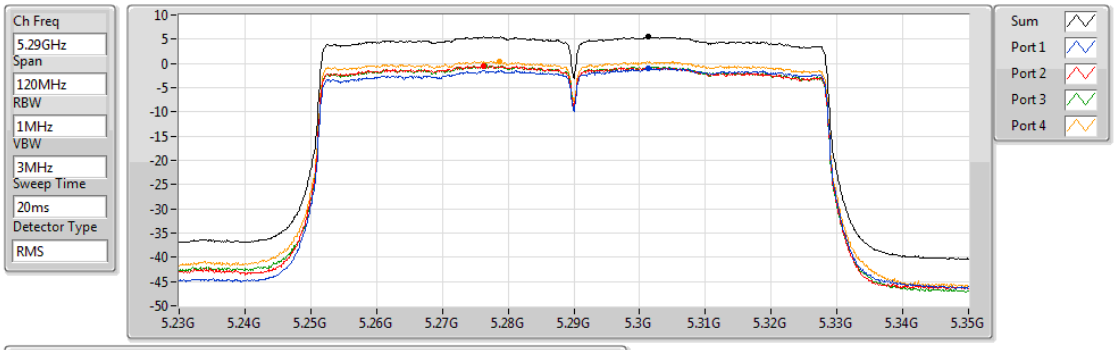
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.22	8.22	3.59	1.98	2.83	0.38

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

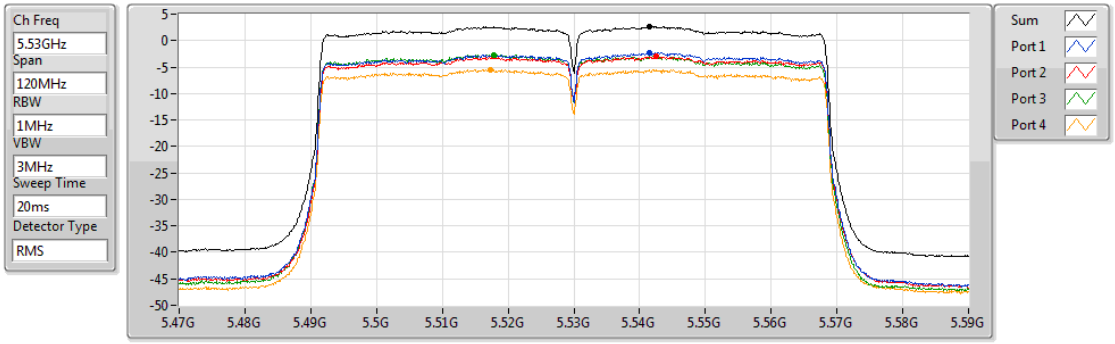
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.47	5.47	-0.98	-0.44	-0.51	0.43

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

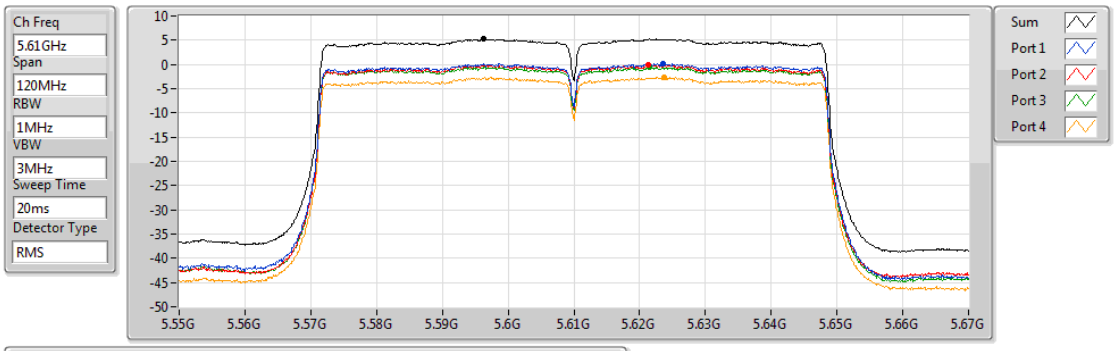
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.63	2.63	-2.29	-3.04	-2.69	-5.49

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

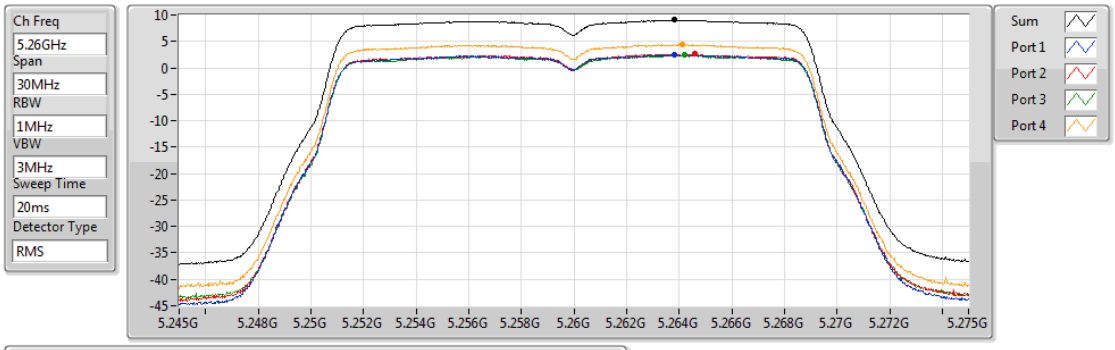
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.27	5.27	0.16	-0.15	-0.59	-2.68

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

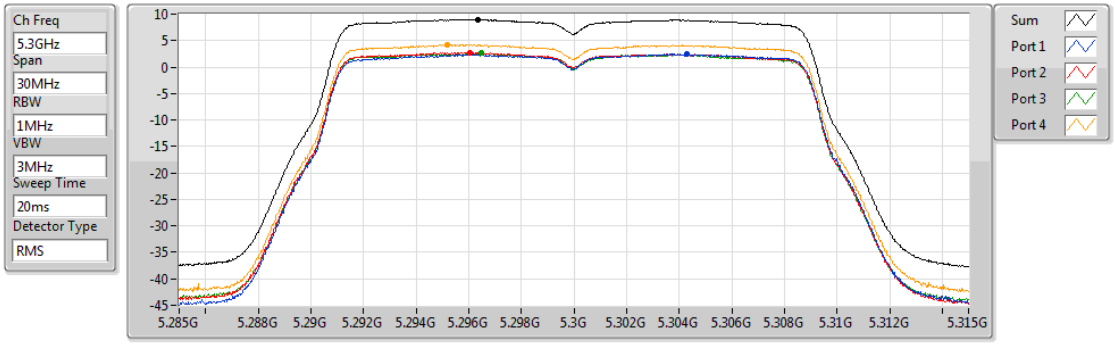
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.04	9.04	2.49	2.66	2.39	4.48

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

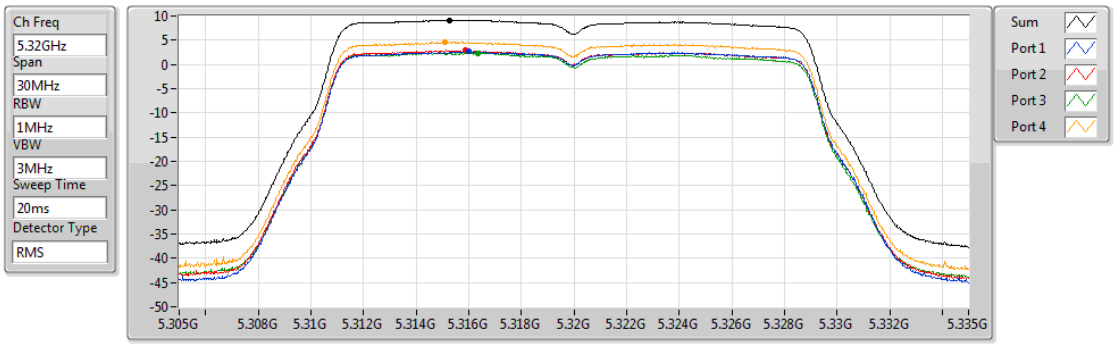
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	2.46	2.77	2.59	4.26

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

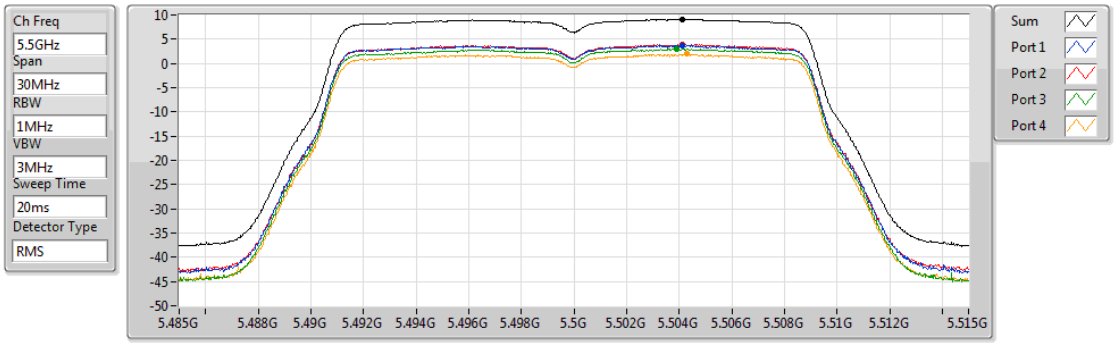
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.13	9.13	2.68	2.93	2.37	4.64

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

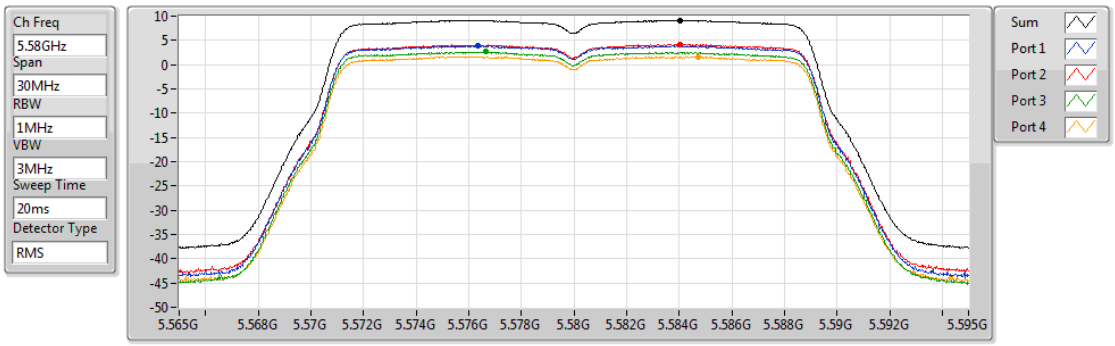
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.15	9.15	3.73	3.96	2.92	1.92

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

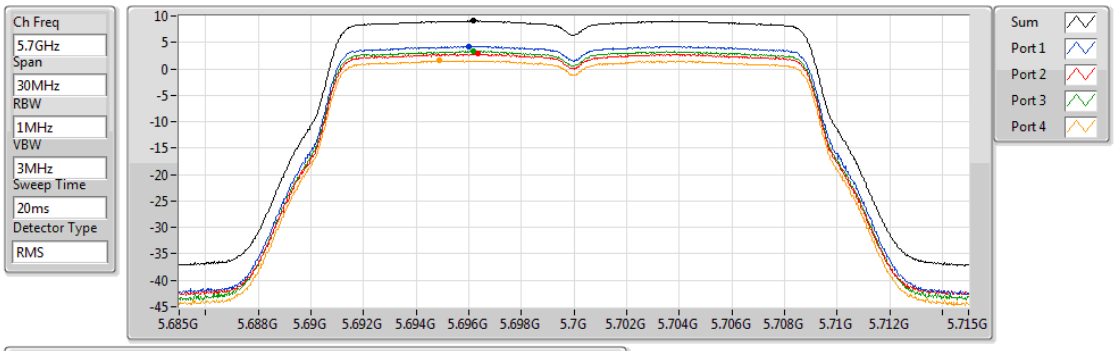
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.12	9.12	3.94	4.23	2.62	1.65

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

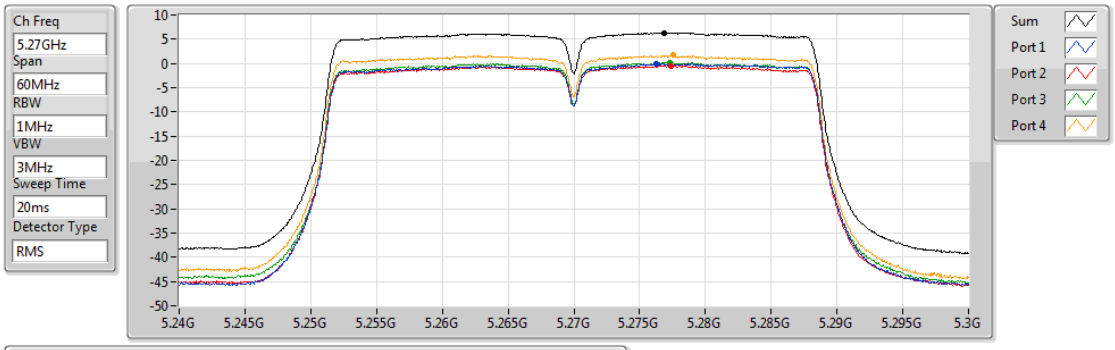
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.09	9.09	4.29	2.87	3.41	1.57

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

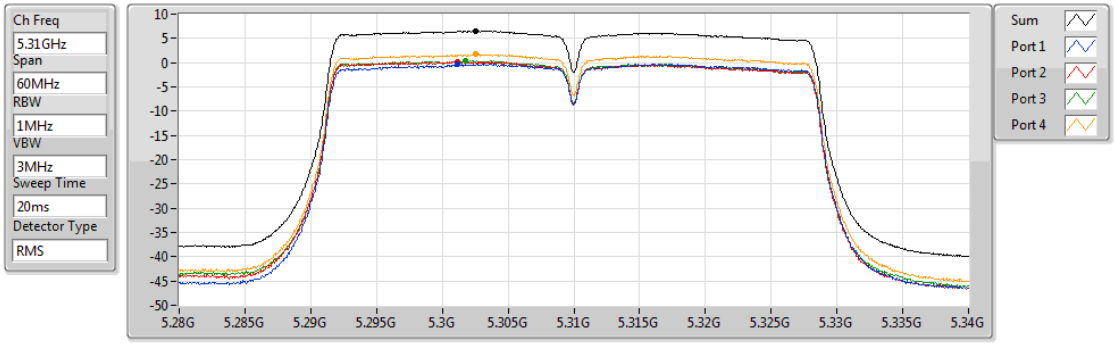
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.36	6.36	0.00	-0.47	0.18	1.69

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

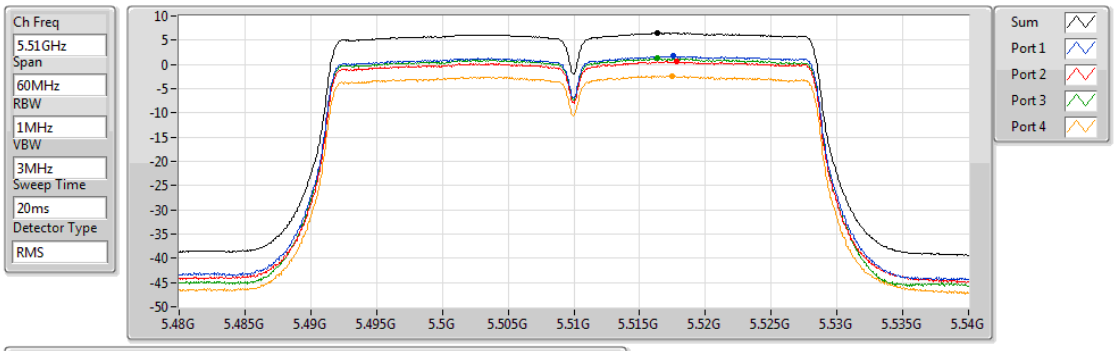
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.49	6.49	-0.28	0.19	0.37	1.74

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

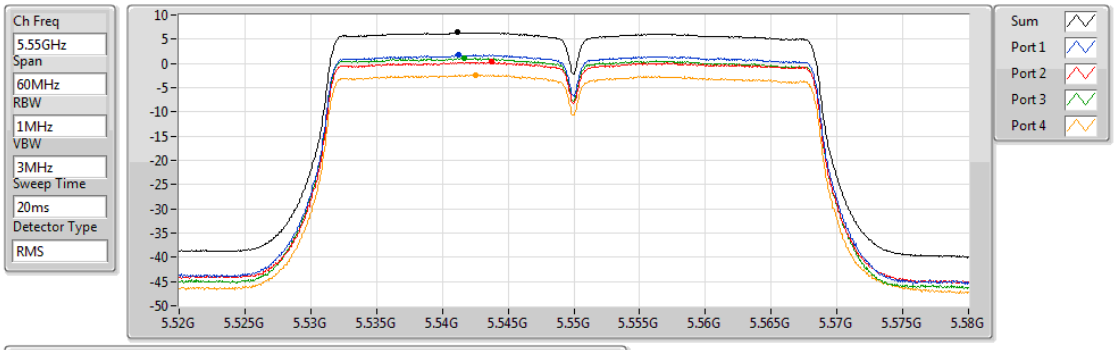
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54	1.70	0.57	1.27	-2.37

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

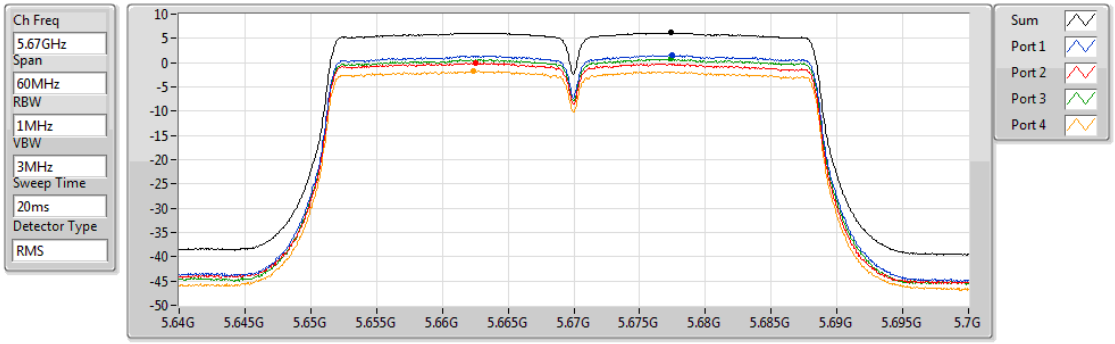
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.39	6.39	1.78	0.31	1.05	-2.34

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

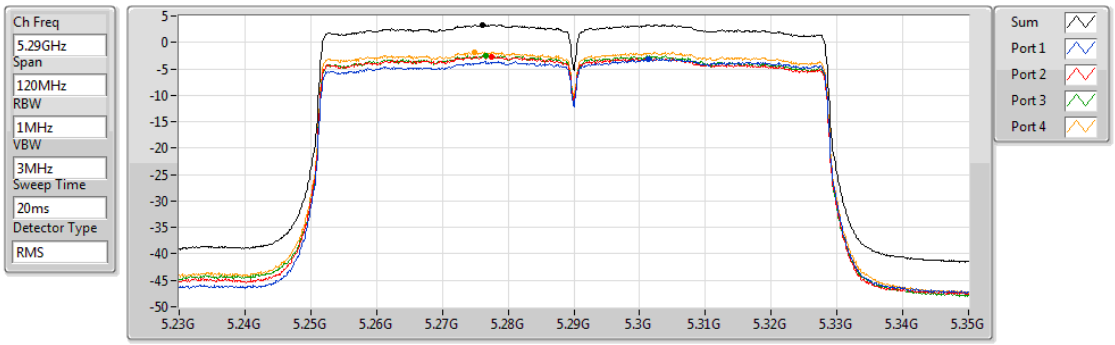
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.18	6.18	1.51	-0.05	0.75	-1.75

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

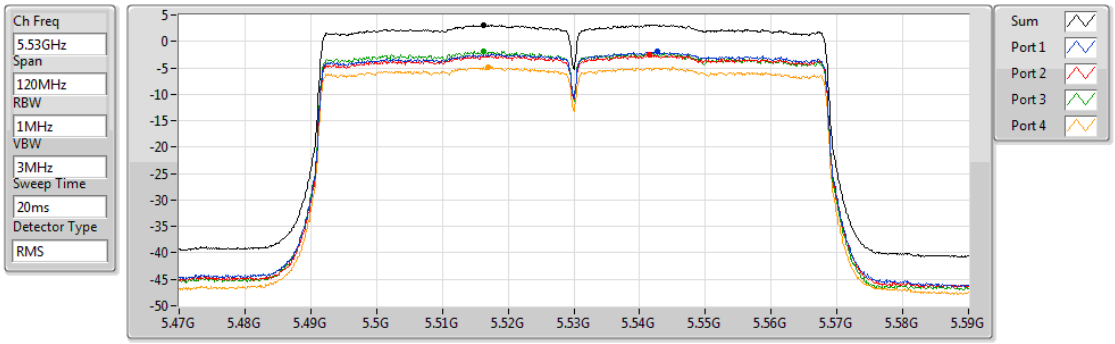
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.34	3.34	-3.11	-2.69	-2.43	-1.82

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

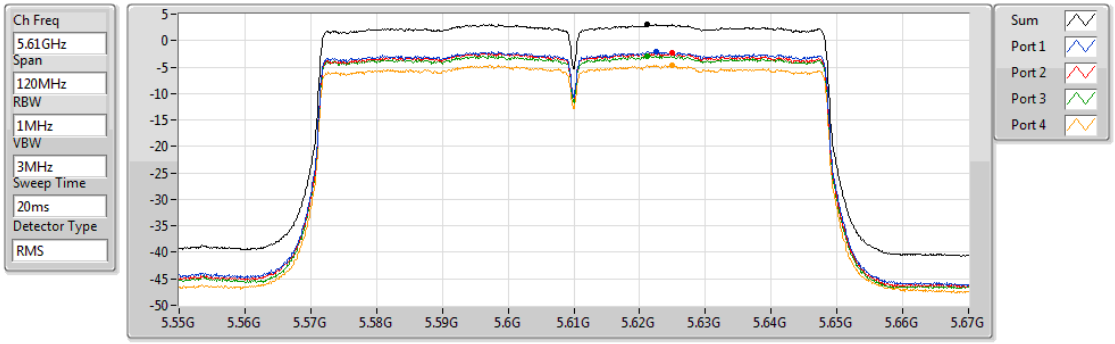
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.15	3.15	-1.91	-2.51	-1.80	-4.85

802.11ac VHT80-BF_Nss1,(MCS0)_4TX **PSD**

5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.07	3.07	-2.13	-2.35	-2.86	-4.68

802.11ac VHT80+80
Summary

Mode	PD (dBm/RBW)
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	-0.27
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5.25-5.35GHz	-0.32
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-
5.47-5.725GHz	0.70

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

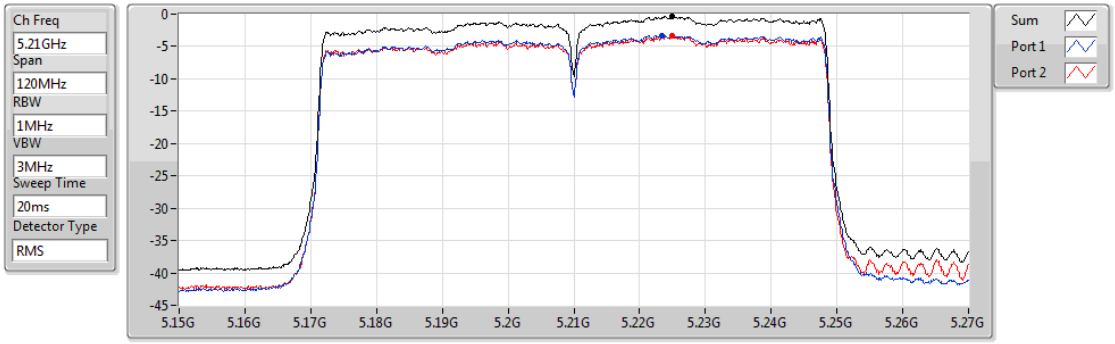
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	4.81	-3.27	-3.28			-0.27	17.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	4.81			-3.53	-3.04	-0.32	11.00
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	7.82	-2.11	-2.38	-2.41	-3.06	0.70	9.18

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;

802.11ac VHT80+80_Nss1,(MCS0)_4TX PSD

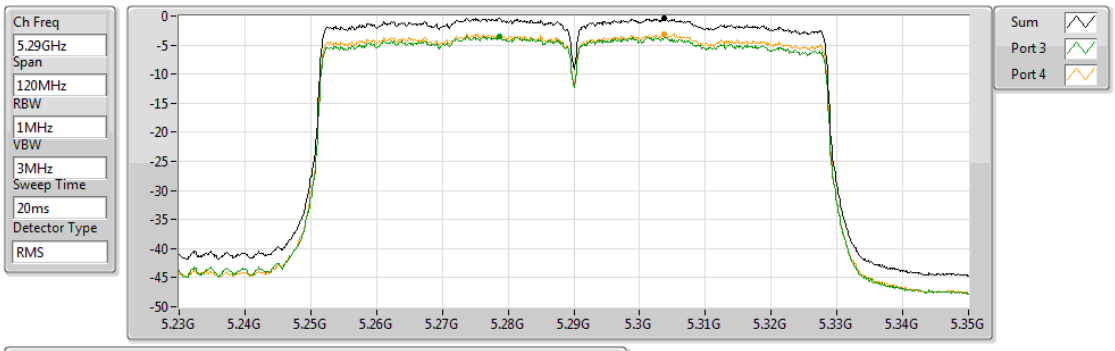
#5210MHz,5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.27	-0.27	-3.27	-3.28

802.11ac VHT80+80_Nss1,(MCS0)_4TX PSD

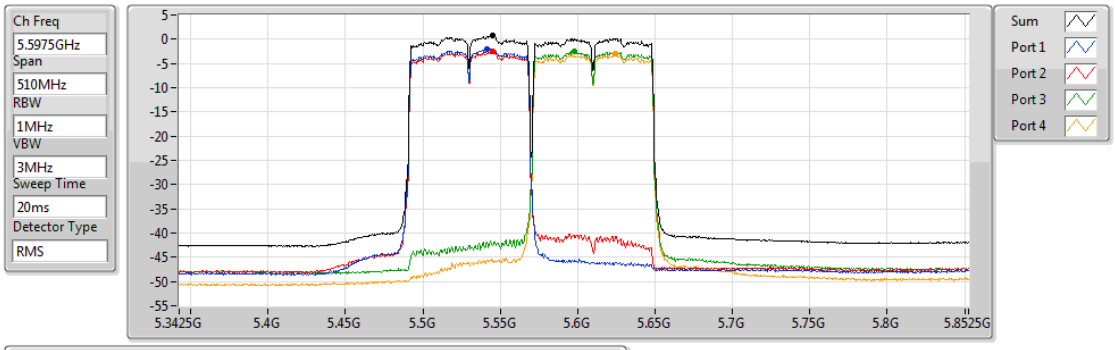
5210MHz,#5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.32	-0.32			-3.53	-3.04

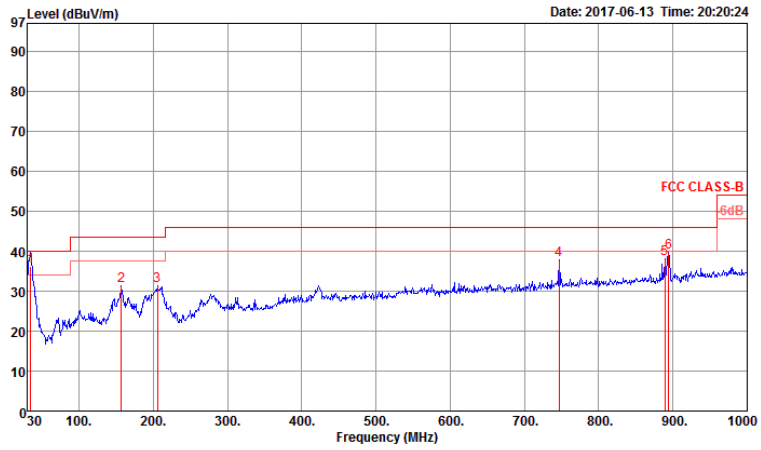
802.11ac VHT80+80_Nss1,(MCS0)_4TX PSD

#5530MHz,#5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.70	0.70	-2.11	-2.38	-2.41	-3.06

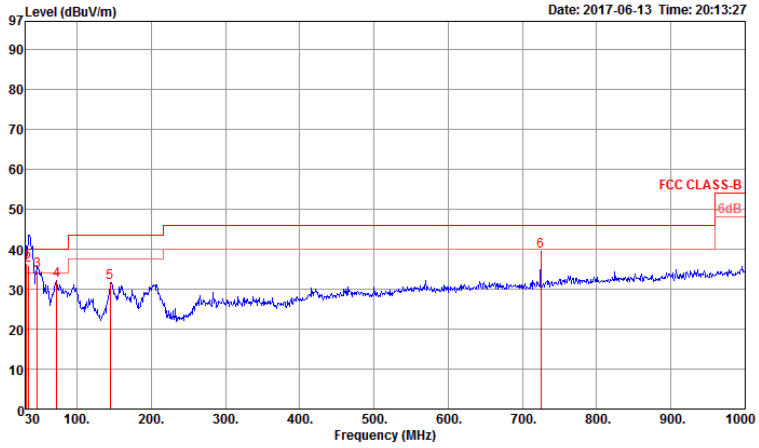
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	34.85	36.19	40.00	-3.81	39.50	2.16	23.11	28.58	125	36	QP	HORIZONTAL
2	157.07	31.38	43.50	-12.12	41.16	2.39	16.02	28.19	100	0	Peak	HORIZONTAL
3	205.57	31.24	43.50	-12.26	41.78	2.52	14.98	28.04	100	0	Peak	HORIZONTAL
4	746.83	37.78	46.00	-8.22	37.07	4.14	25.76	29.19	100	0	Peak	HORIZONTAL
5	889.42	38.09	46.00	-7.91	35.98	4.52	26.43	28.84	100	0	Peak	HORIZONTAL
6	894.27	39.67	46.00	-6.33	37.54	4.53	26.43	28.83	100	0	Peak	HORIZONTAL

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

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	36.43	40.00	-3.57	38.90	2.11	24.00	28.58	150	117	QP	VERTICAL
2	33.88	35.99	40.00	-4.01	39.10	2.15	23.32	28.58	125	99	QP	VERTICAL
3	46.49	34.66	40.00	-5.34	45.10	2.15	15.98	28.57	156	301	QP	VERTICAL
4	72.68	32.16	40.00	-7.84	46.07	2.19	12.39	28.49	300	360	Peak	VERTICAL
5	144.46	31.75	43.50	-11.75	40.87	2.32	16.79	28.23	300	360	Peak	VERTICAL
6	724.52	39.56	46.00	-6.44	39.39	4.07	25.36	29.26	300	360	Peak	VERTICAL

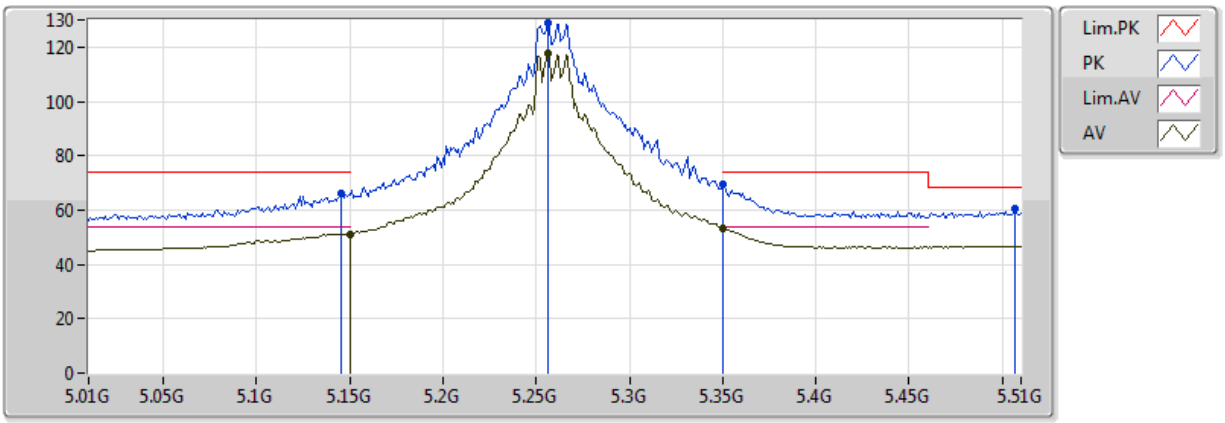
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

802.11a, 802.11ac VHT20, 802.11ac VHT40, 802.11ac VHT80
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.25-5.35GHz	Pass	AV	5.350005G	53.98	54.00	-0.02	5.03	3	V	1	1.50	-

802.11a_(6Mbps)_4TX

5260MHz_TX

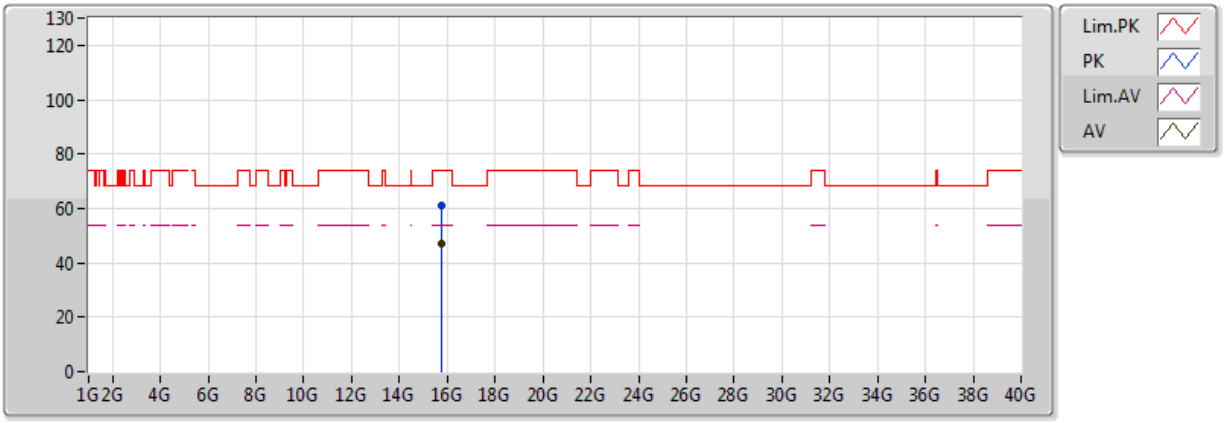


20170606
EUT Z_4TX
Setting 110
04-M-01-10
FSP(100142)
Radio 1

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	51.21	54.00	-2.79	4.64	3	V	21	2.38	-
AV	5.256G	117.51	Inf	-Inf	4.91	3	V	21	2.38	-
AV	5.350005G	53.47	54.00	-0.53	5.03	3	V	21	2.38	-
PK	5.145G	65.85	74.00	-8.15	4.63	3	V	21	2.38	-
PK	5.256G	128.86	Inf	-Inf	4.91	3	V	21	2.38	-
PK	5.350005G	69.50	74.00	-4.50	5.03	3	V	21	2.38	-
PK	5.507G	60.41	68.20	-7.79	5.60	3	V	21	2.38	-

802.11a_(6Mbps)_4TX

5260MHz_TX

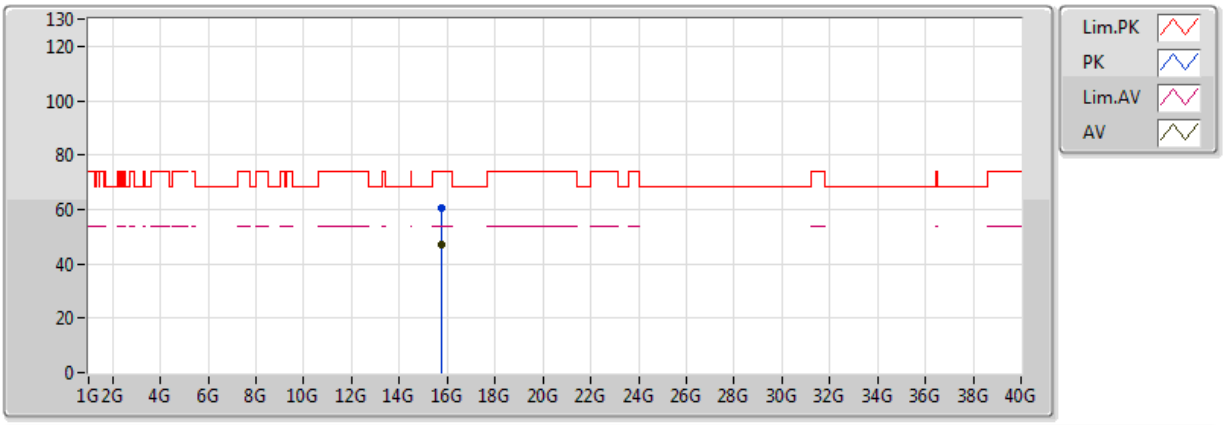


20170606
EUT Z_4TX
Setting 110
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78266G	47.23	54.00	-6.77	17.04	3	V	279	2.02	-
PK	15.78304G	61.28	74.00	-12.72	17.04	3	V	279	2.02	-

802.11a_(6Mbps)_4TX

5260MHz_TX

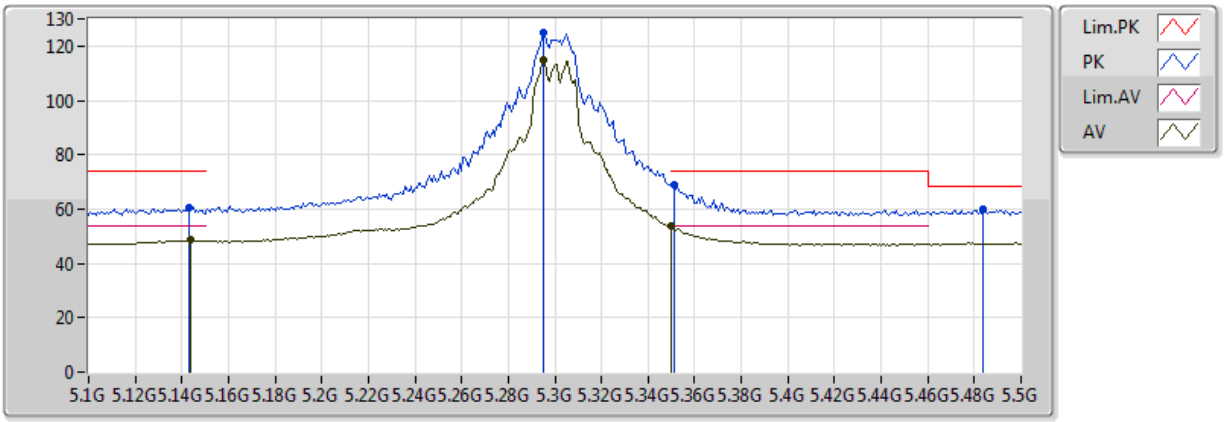


20170606
EUT Z_4TX
Setting 110
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78046G	47.05	54.00	-6.95	17.04	3	H	96	1.92	-
PK	15.78042G	60.56	74.00	-13.44	17.04	3	H	96	1.92	-

802.11a_(6Mbps)_4TX

5300MHz_TX

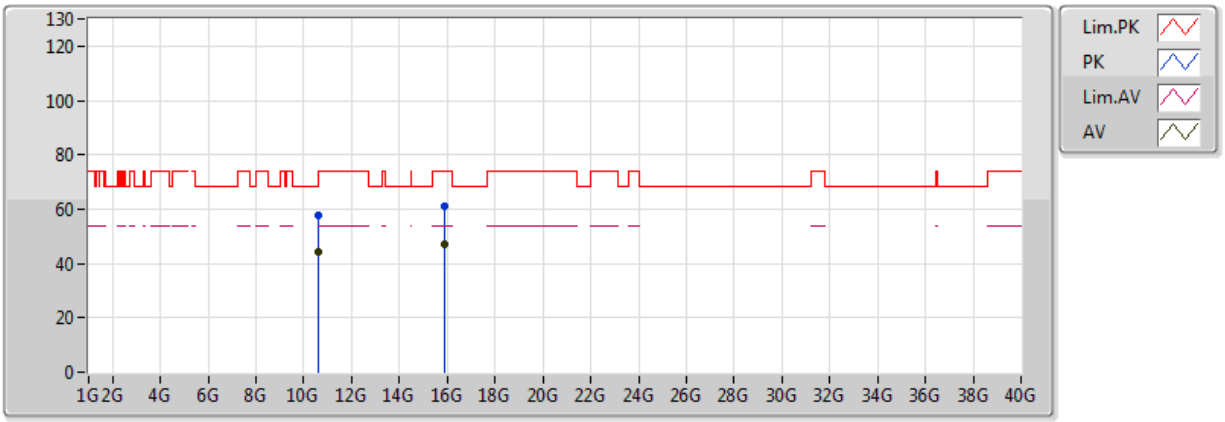


20170606
EUT Z_4TX
Setting 96
04-M-01-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.144G	48.49	54.00	-5.51	4.62	3	V	143	2.37	-
AV	5.2952G	114.95	Inf	-Inf	4.96	3	V	143	2.37	-
AV	5.350005G	53.55	54.00	-0.45	5.03	3	V	143	2.37	-
PK	5.1432G	60.57	74.00	-13.43	4.62	3	V	143	2.37	-
PK	5.2952G	124.77	Inf	-Inf	4.96	3	V	143	2.37	-
PK	5.3512G	69.00	74.00	-5.00	5.03	3	V	143	2.37	-
PK	5.484G	59.95	68.20	-8.25	5.48	3	V	143	2.37	-

802.11a_(6Mbps)_4TX

5300MHz_TX

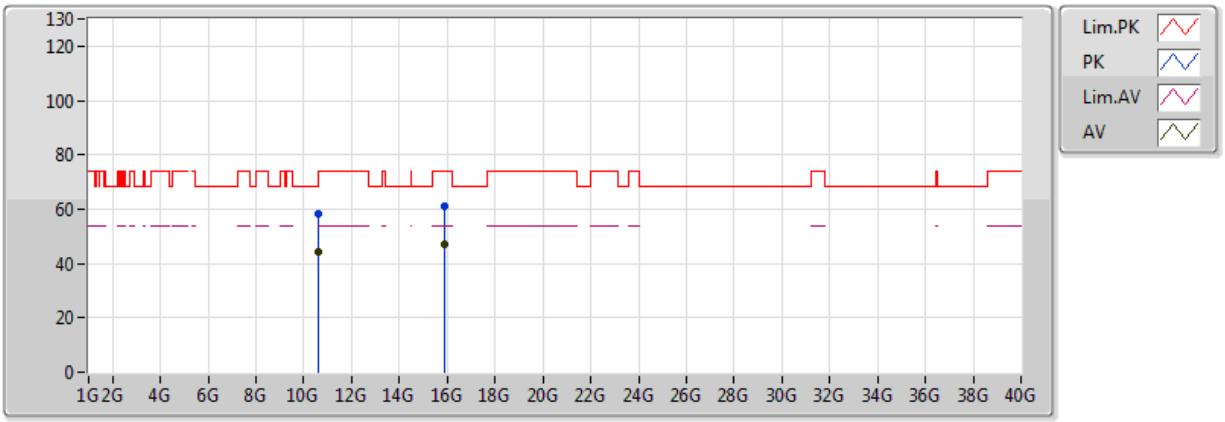


20170606
EUT Z_4TX
Setting 96
04-M-01-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60364G	44.28	54.00	-9.72	14.92	3	V	94	1.60	-
AV	15.90408G	47.15	54.00	-6.85	16.95	3	V	118	1.63	-
PK	10.60432G	57.84	74.00	-16.16	14.92	3	V	94	1.60	-
PK	15.89656G	61.14	74.00	-12.86	16.95	3	V	118	1.63	-

802.11a_(6Mbps)_4TX

5300MHz_TX

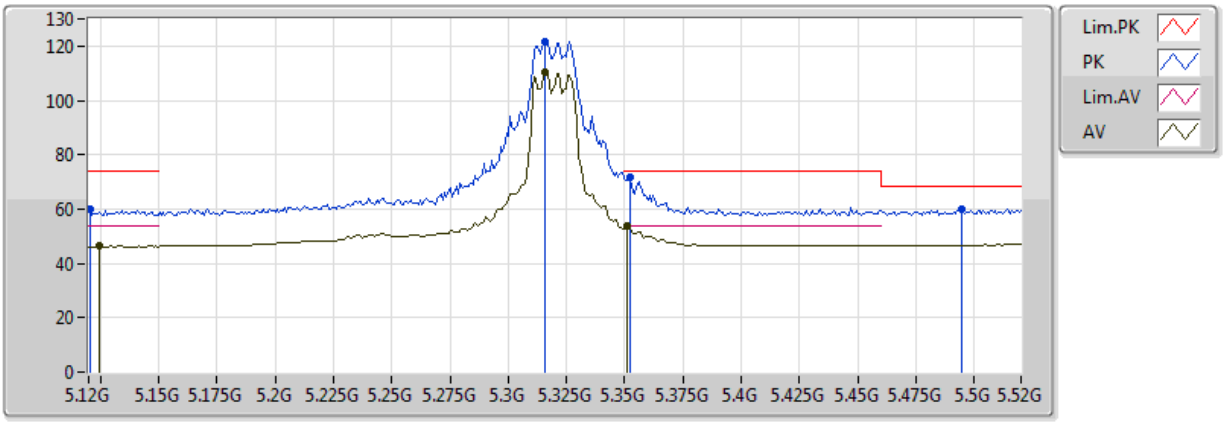


20170606
EUT Z_4TX
Setting 96
04-M-01-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60986G	44.21	54.00	-9.79	14.93	3	H	348	1.28	-
AV	15.90338G	47.22	54.00	-6.78	16.95	3	H	75	1.08	-
PK	10.601G	58.04	74.00	-15.96	14.91	3	H	348	1.28	-
PK	15.90498G	61.04	74.00	-12.96	16.95	3	H	75	1.08	-

802.11a_(6Mbps)_4TX

5320MHz_TX

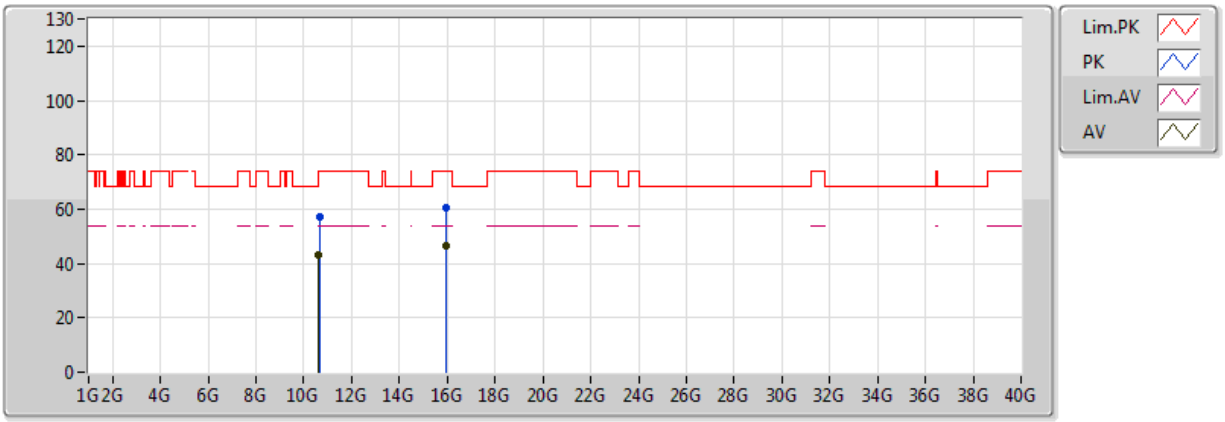


20170606
EUT Z_4TX
Setting 84
04-M-01-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1248G	46.31	54.00	-7.69	4.55	3	V	62	2.28	-
AV	5.316G	110.63	Inf	-Inf	4.99	3	V	62	2.28	-
AV	5.3512G	53.89	54.00	-0.11	5.03	3	V	62	2.28	-
PK	5.1208G	60.10	74.00	-13.90	4.54	3	V	62	2.28	-
PK	5.316G	121.82	Inf	-Inf	4.99	3	V	62	2.28	-
PK	5.352G	71.68	74.00	-2.32	5.03	3	V	62	2.28	-
PK	5.4944G	59.92	68.20	-8.28	5.53	3	V	62	2.28	-

802.11a_(6Mbps)_4TX

5320MHz_TX

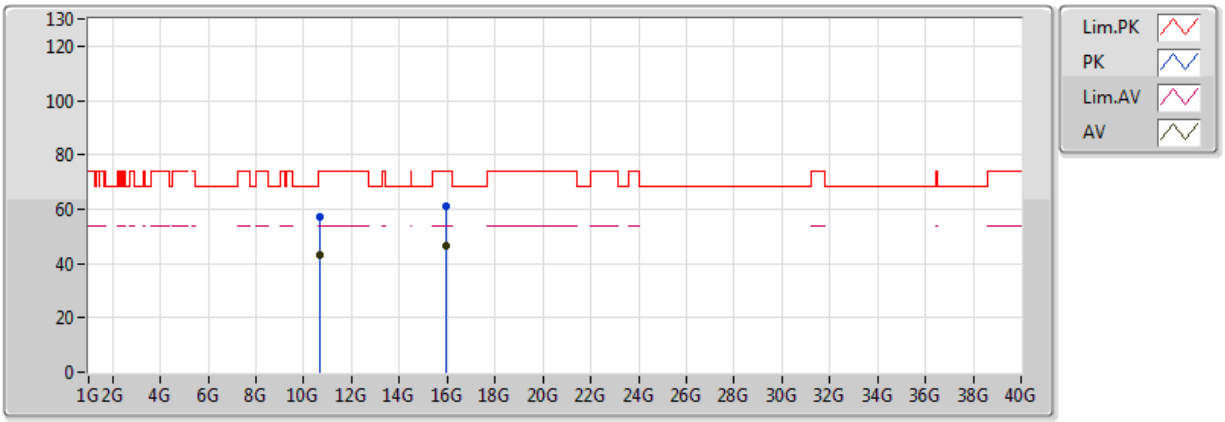


20170606
EUT Z_4TX
Setting 84
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63804G	43.06	54.00	-10.94	14.98	3	V	50	1.23	-
AV	15.955G	46.55	54.00	-7.45	16.91	3	V	157	1.52	-
PK	10.64196G	57.32	74.00	-16.68	14.98	3	V	50	1.23	-
PK	15.9649G	60.70	74.00	-13.30	16.90	3	V	157	1.52	-

802.11a_(6Mbps)_4TX

5320MHz_TX

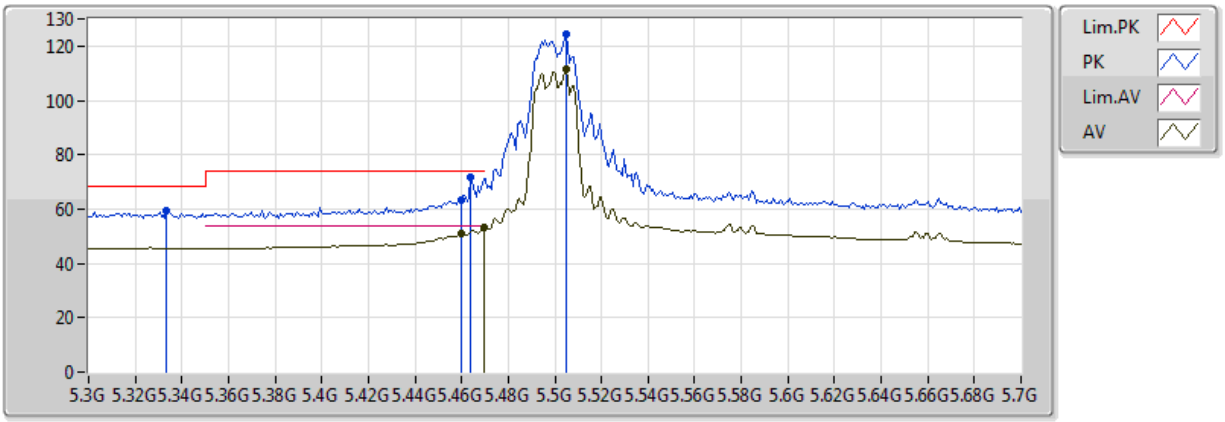


20170606
EUT Z_4TX
Setting 84
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63986G	43.05	54.00	-10.95	14.98	3	H	110	1.29	-
AV	15.95514G	46.48	54.00	-7.52	16.91	3	H	314	1.72	-
PK	10.64142G	57.42	74.00	-16.58	14.98	3	H	110	1.29	-
PK	15.96432G	61.09	74.00	-12.91	16.90	3	H	314	1.72	-

802.11a_(6Mbps)_4TX

5500MHz_TX

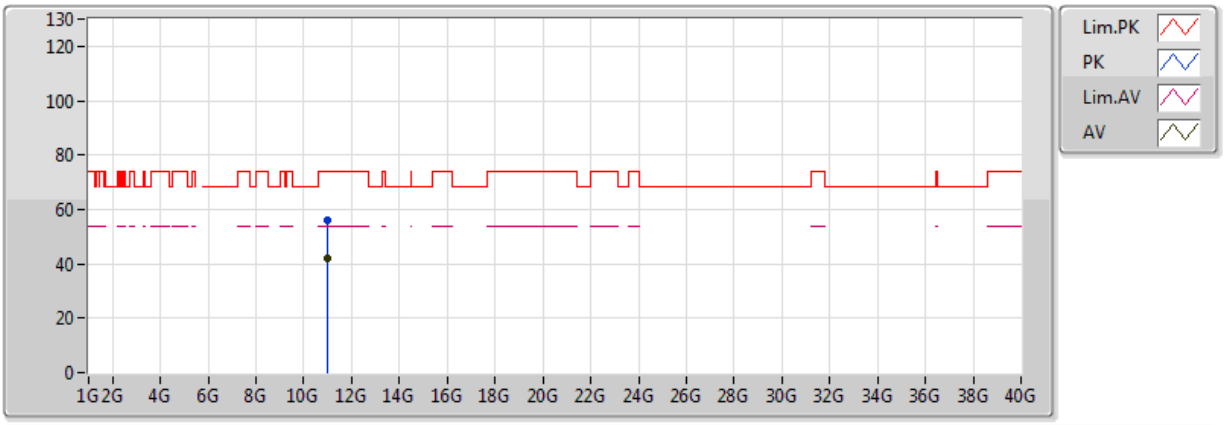


20170606
EUT Z_4TX
Setting 73
04-M-01-10
FSP(100142)
Radio 2

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	50.84	54.00	-3.16	5.37	3	V	238	1.27	-
AV	5.4696G	53.44	54.00	-0.56	5.41	3	V	238	1.27	-
AV	5.5048G	111.23	Inf	-Inf	5.59	3	V	238	1.27	-
PK	5.3336G	59.26	68.20	-8.94	5.01	3	V	238	1.27	-
PK	5.464G	71.79	74.00	-2.21	5.39	3	V	238	1.27	-
PK	5.5048G	124.37	Inf	-Inf	5.59	3	V	238	1.27	-
PK	5.46G	63.35	74.00	-10.65	5.37	3	V	238	1.27	-

802.11a_(6Mbps)_4TX

5500MHz_TX

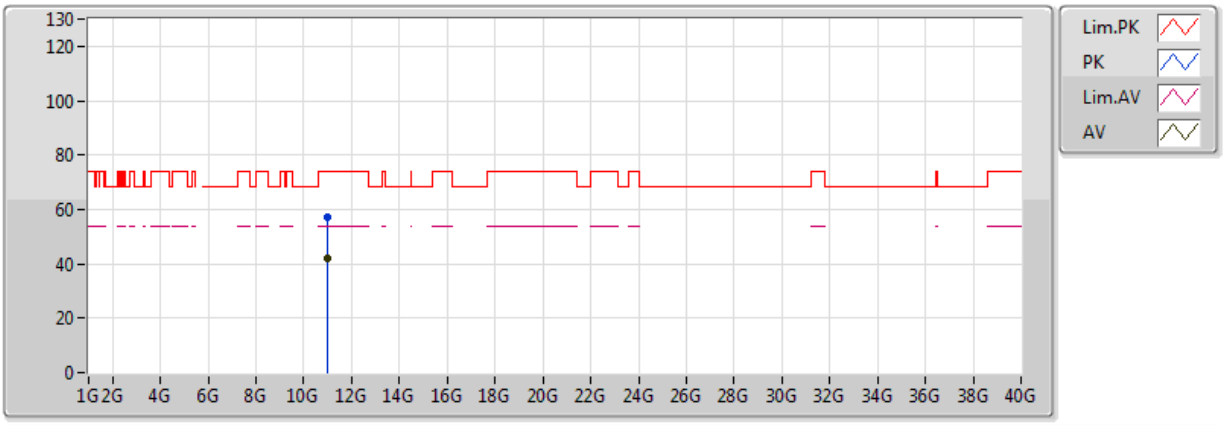


20170606
EUT Z_4TX
Setting 73
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.0048G	41.95	54.00	-12.05	15.60	3	V	293	2.10	-
PK	11.00294G	56.02	74.00	-17.98	15.60	3	V	293	2.10	-

802.11a_(6Mbps)_4TX

5500MHz_TX

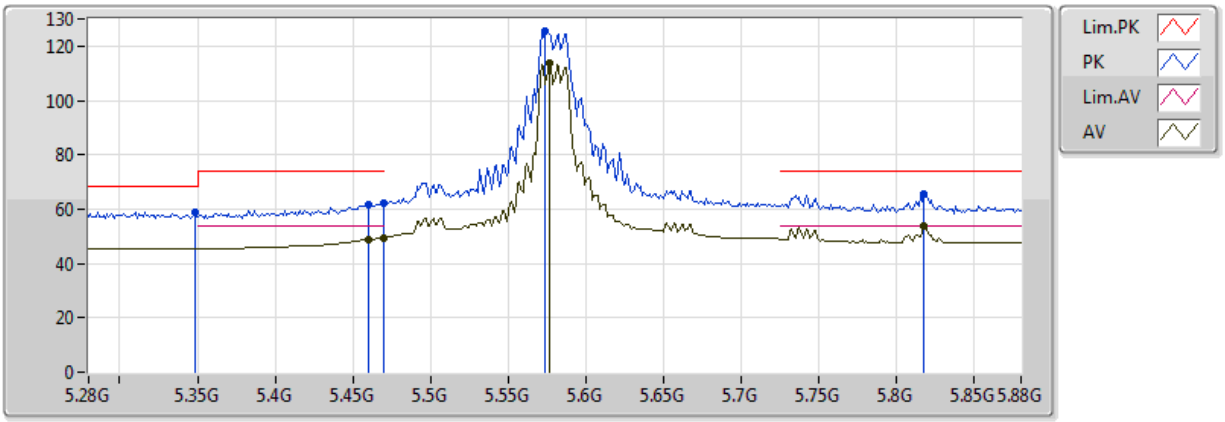


20170606
EUT Z_4TX
Setting 73
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00452G	42.10	54.00	-11.90	15.60	3	H	231	2.13	-
PK	11.00276G	56.99	74.00	-17.01	15.60	3	H	231	2.13	-

802.11a_(6Mbps)_4TX

5580MHz_TX

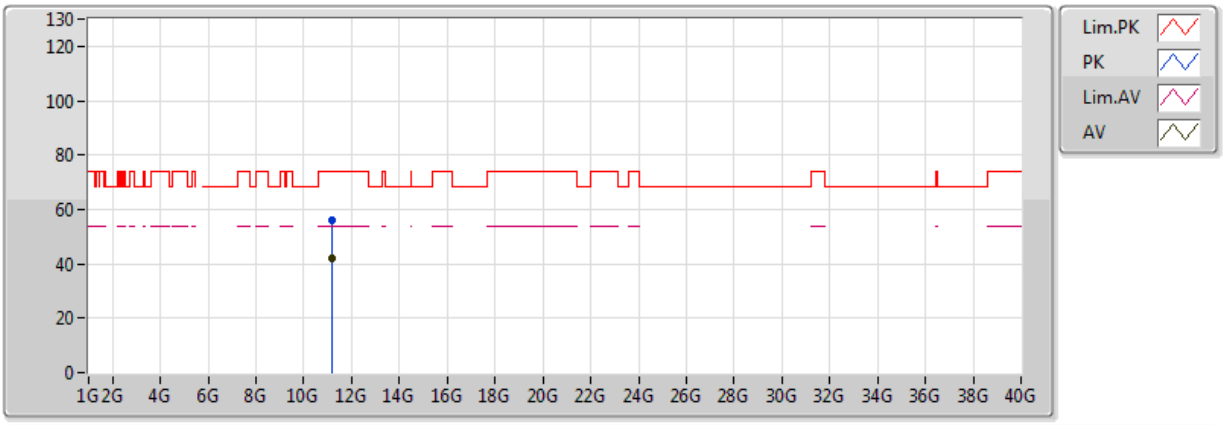


20170606
EUT Z_4TX
Setting 83
04-M-01-10
FSP(100142)
Radio 2

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	48.86	54.00	-5.14	5.37	3	V	253	1.51	-
AV	5.4696G	49.37	54.00	-4.63	5.41	3	V	253	1.51	-
AV	5.5764G	113.67	Inf	-Inf	5.99	3	V	253	1.51	-
PK	5.3484G	58.81	68.20	-9.39	5.02	3	V	253	1.51	-
PK	5.4696G	61.92	74.00	-12.08	5.41	3	V	253	1.51	-
PK	5.574G	125.53	Inf	-Inf	5.97	3	V	253	1.51	-
PK	5.8176G	65.61	74.00	-8.39	6.50	3	V	253	1.51	-
PK	5.46G	61.68	74.00	-12.32	5.37	3	V	253	1.51	-
AV	5.8176G	53.92	54.00	-0.08	6.50	3	V	253	1.51	-

802.11a_(6Mbps)_4TX

5580MHz_TX

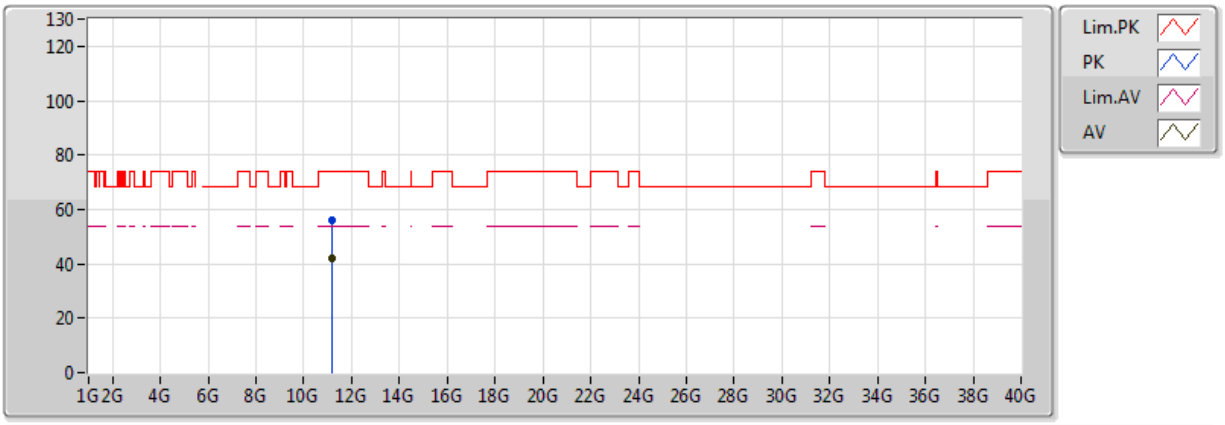


20170606
EUT Z_4TX
Setting 83
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15964G	42.12	54.00	-11.88	15.67	3	V	249	1.62	-
PK	11.1585G	55.96	74.00	-18.04	15.67	3	V	249	1.62	-

802.11a_(6Mbps)_4TX

5580MHz_TX

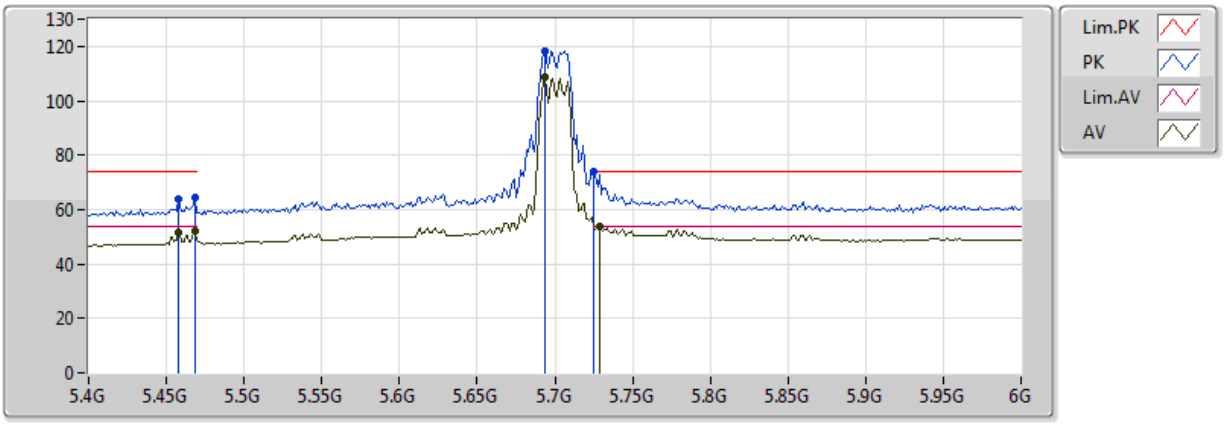


20170606
EUT Z_4TX
Setting 83
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15614G	42.10	54.00	-11.90	15.67	3	H	270	1.12	-
PK	11.16158G	56.02	74.00	-17.98	15.67	3	H	270	1.12	-

802.11a_(6Mbps)_4TX

5700MHz_TX

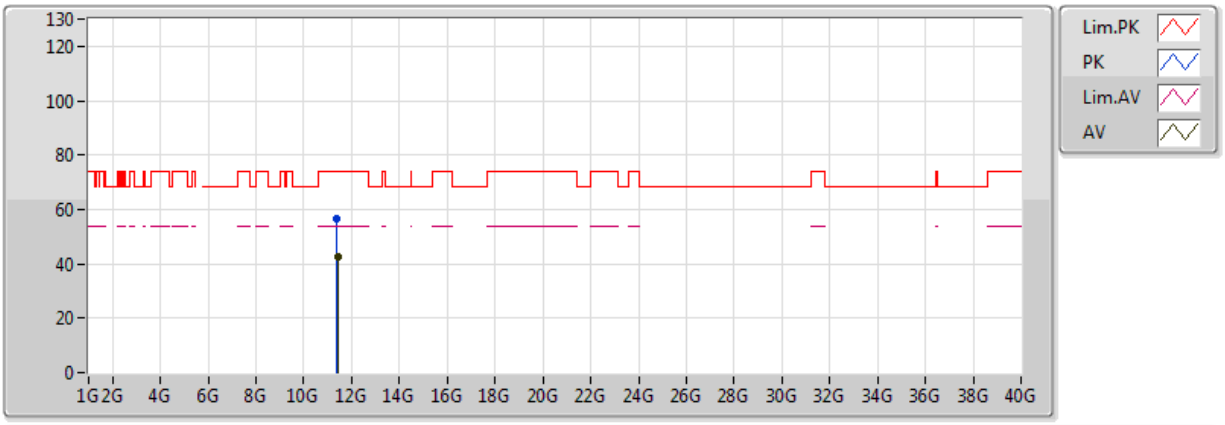


20170606
EUT Z_4TX
Setting 68
04-M-01-10
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4576G	51.76	54.00	-2.24	5.36	3	V	262	1.89	-
AV	5.4684G	51.87	54.00	-2.13	5.41	3	V	262	1.89	-
AV	5.694G	108.80	Inf	-Inf	6.24	3	V	262	1.89	-
AV	5.7288G	53.66	54.00	-0.34	6.29	3	V	262	1.89	-
PK	5.4576G	63.77	74.00	-10.23	5.36	3	V	262	1.89	-
PK	5.4684G	64.20	74.00	-9.80	5.41	3	V	262	1.89	-
PK	5.694G	118.33	Inf	-Inf	6.24	3	V	262	1.89	-
PK	5.7252G	73.89	74.00	-0.11	6.29	3	V	262	1.89	-

802.11a_(6Mbps)_4TX

5700MHz_TX

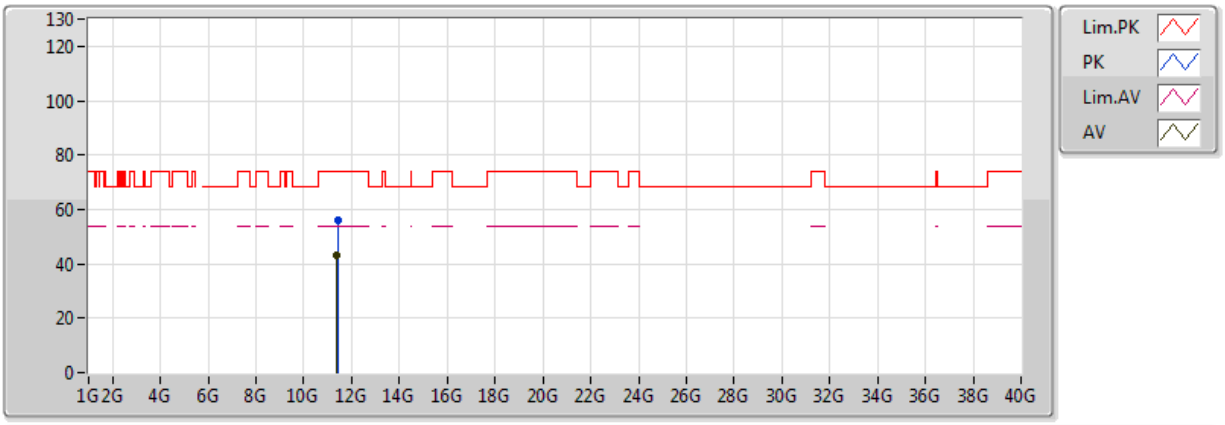


20170606
EUT Z_4TX
Setting 68
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.40464G	42.79	54.00	-11.21	15.79	3	V	162	1.16	-
PK	11.40156G	56.32	74.00	-17.68	15.78	3	V	162	1.16	-

802.11a_(6Mbps)_4TX

5700MHz_TX

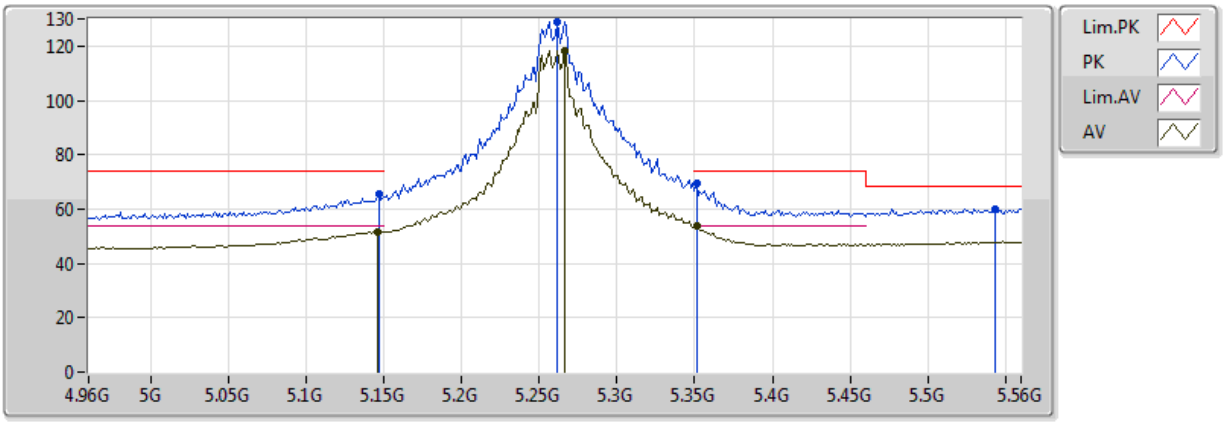


20170606
EUT Z_4TX
Setting 68
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39852G	42.98	54.00	-11.02	15.78	3	H	191	2.08	-
PK	11.4023G	56.29	74.00	-17.71	15.79	3	H	191	2.08	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

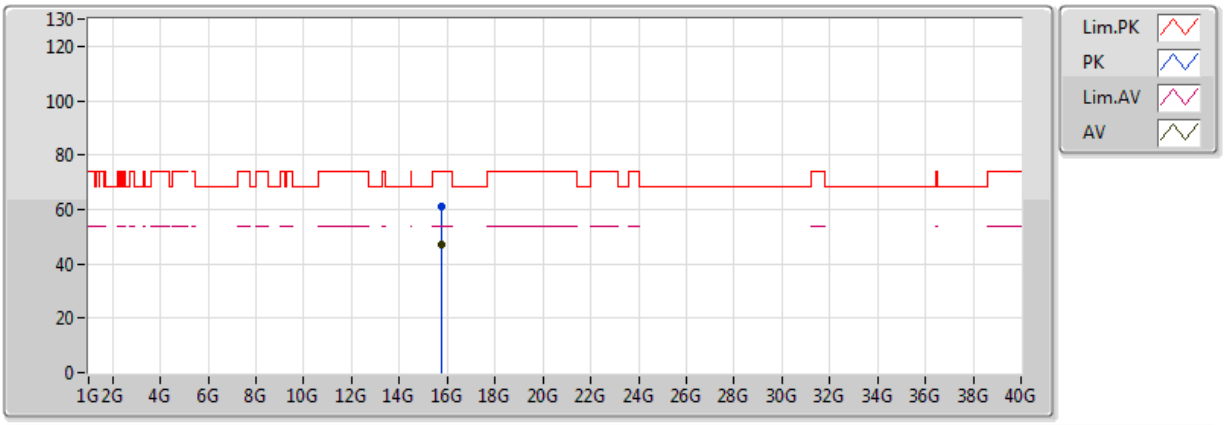


20170606
EUT Z_4TX
Setting 110
04-M-01-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	51.50	54.00	-2.50	4.63	3	V	305	2.18	-
AV	5.266G	118.03	Inf	-Inf	4.92	3	V	305	2.18	-
AV	5.3512G	53.56	54.00	-0.44	5.03	3	V	305	2.18	-
PK	5.1472G	65.48	74.00	-8.52	4.63	3	V	305	2.18	-
PK	5.2612G	128.66	Inf	-Inf	4.92	3	V	305	2.18	-
PK	5.3512G	69.52	74.00	-4.48	5.03	3	V	305	2.18	-
PK	5.5432G	60.18	68.20	-8.02	5.80	3	V	305	2.18	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

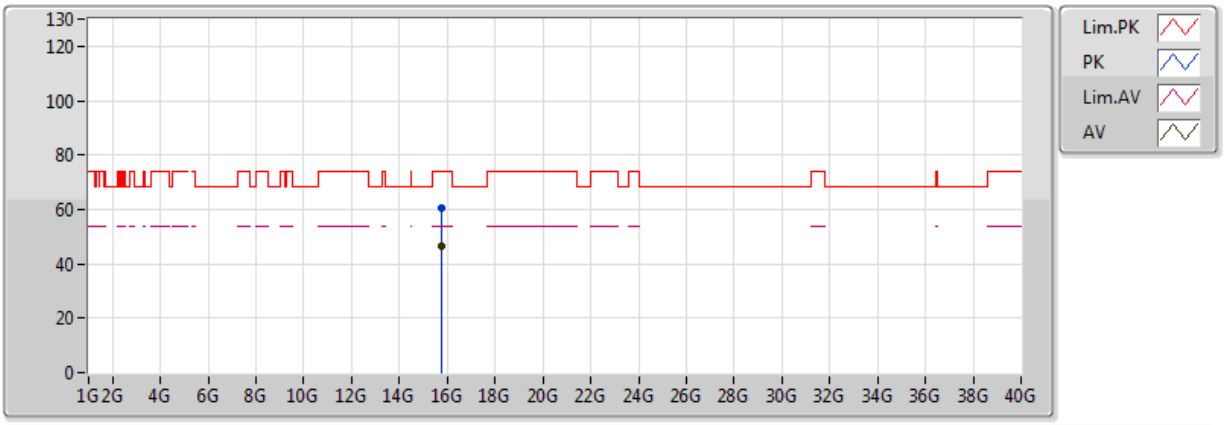


20170606
EUT Z_4TX
Setting 110
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78394G	46.99	54.00	-7.01	17.04	3	V	168	2.19	-
PK	15.78482G	61.08	74.00	-12.92	17.04	3	V	168	2.19	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

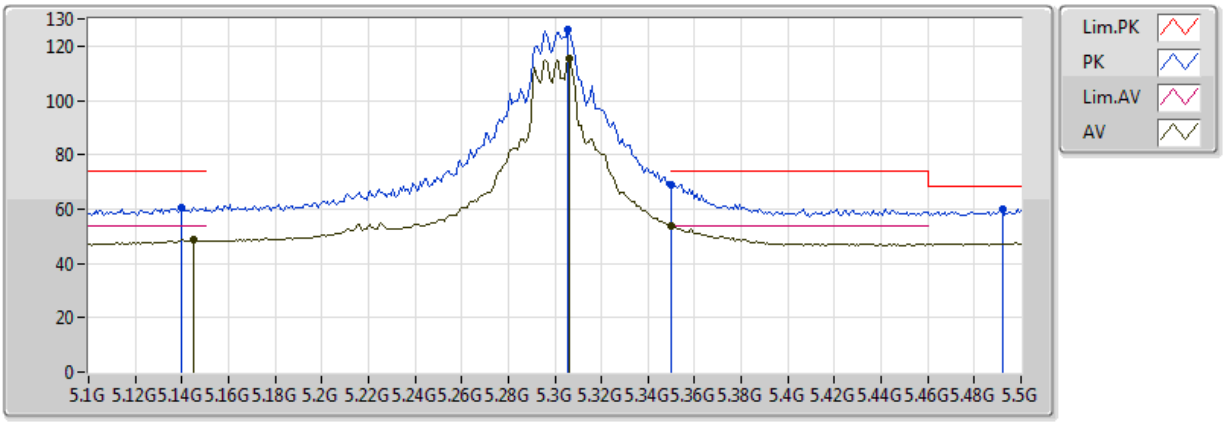


20170606
EUT Z_4TX
Setting 110
04-M-01
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78308G	46.77	54.00	-7.23	17.04	3	H	229	1.29	-
PK	15.78368G	60.24	74.00	-13.76	17.04	3	H	229	1.29	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

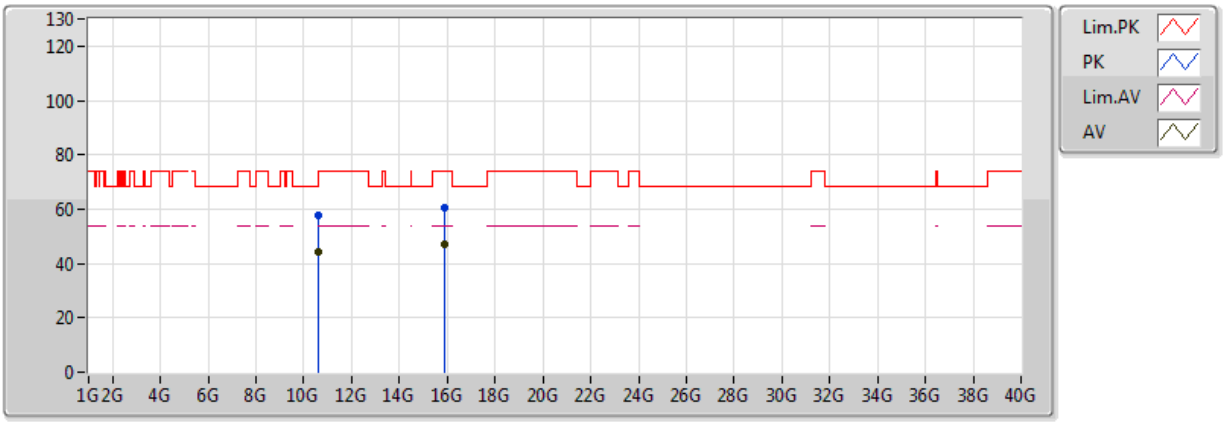


20170606
EUT Z_4TX
Setting 95
04-M-01-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1448G	48.82	54.00	-5.18	4.63	3	V	299	2.13	-
AV	5.3064G	115.67	Inf	-Inf	4.98	3	V	299	2.13	-
AV	5.350005G	53.94	54.00	-0.06	5.03	3	V	299	2.13	-
PK	5.14G	60.43	74.00	-13.57	4.61	3	V	299	2.13	-
PK	5.3056G	126.30	Inf	-Inf	4.98	3	V	299	2.13	-
PK	5.350005G	69.03	74.00	-4.97	5.03	3	V	299	2.13	-
PK	5.492G	60.00	68.20	-8.20	5.52	3	V	299	2.13	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

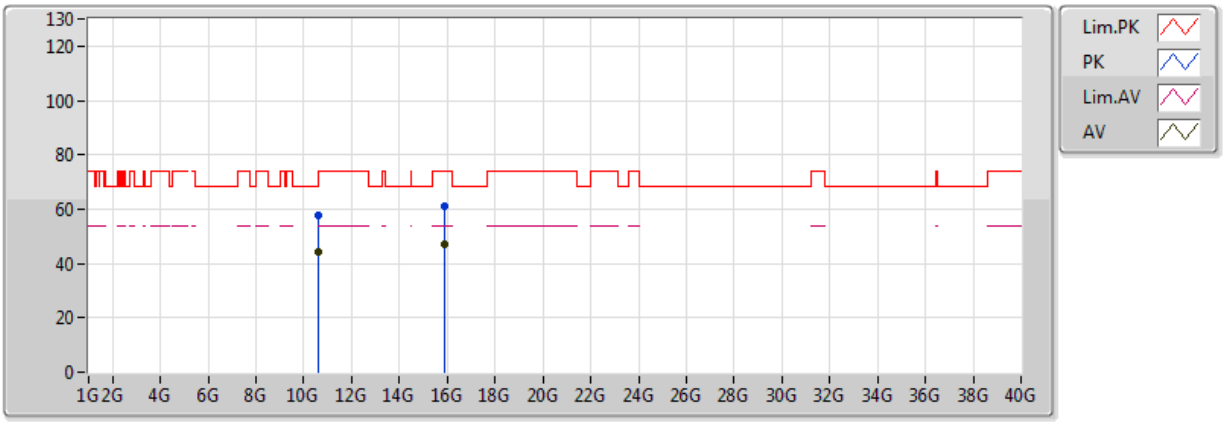


20170606
EUT Z_4TX
Setting 95
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60756G	44.17	54.00	-9.83	14.93	3	V	198	2.01	-
AV	15.89596G	46.99	54.00	-7.01	16.95	3	V	267	1.79	-
PK	10.60402G	57.60	74.00	-16.40	14.92	3	V	198	2.01	-
PK	15.90488G	60.35	74.00	-13.65	16.95	3	V	267	1.79	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

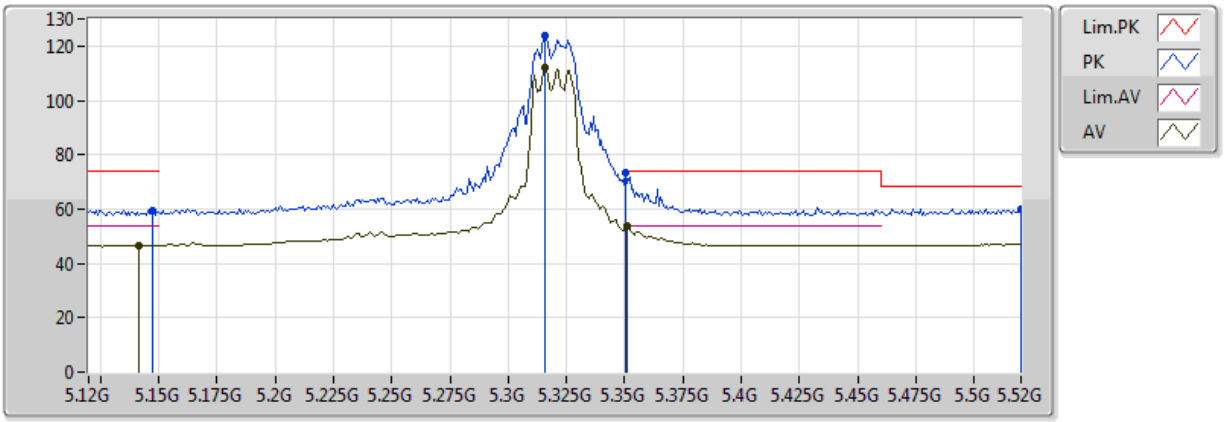


20170606
EUT Z_4TX
Setting 95
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60394G	44.22	54.00	-9.78	14.92	3	H	181	1.53	-
AV	15.89622G	47.04	54.00	-6.96	16.95	3	H	262	2.19	-
PK	10.60056G	57.97	74.00	-16.03	14.91	3	H	181	1.53	-
PK	15.9001G	61.12	74.00	-12.88	16.95	3	H	262	2.19	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

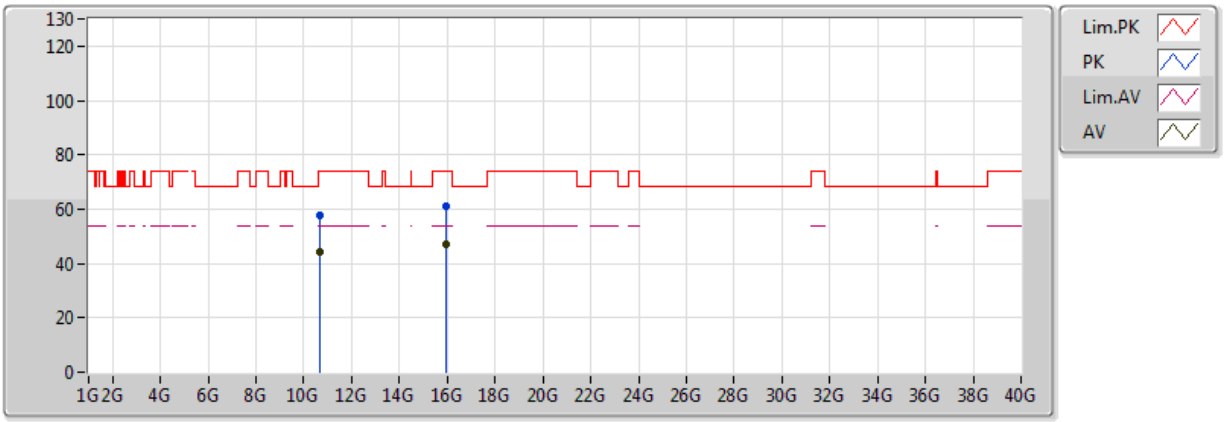


20170606
EUT Z_4TX
Setting 80
04-M-01-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1416G	46.54	54.00	-7.46	4.61	3	V	129	1.71	-
AV	5.316G	111.93	Inf	-Inf	4.99	3	V	129	1.71	-
AV	5.3512G	53.76	54.00	-0.24	5.03	3	V	129	1.71	-
PK	5.1472G	59.47	74.00	-14.53	4.63	3	V	129	1.71	-
PK	5.316G	123.68	Inf	-Inf	4.99	3	V	129	1.71	-
PK	5.3504G	73.25	74.00	-0.75	5.03	3	V	129	1.71	-
PK	5.52G	60.17	68.20	-8.03	5.67	3	V	129	1.71	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

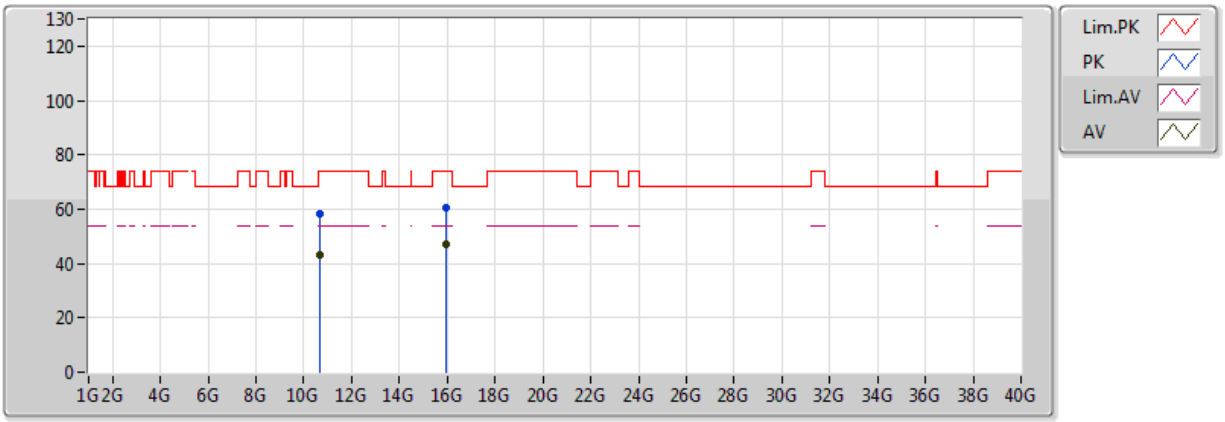


20170606
EUT Z_4TX
Setting 80
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64328G	44.09	54.00	-9.91	14.99	3	V	265	1.94	-
AV	15.9559G	47.14	54.00	-6.86	16.90	3	V	132	1.65	-
PK	10.64402G	57.65	74.00	-16.35	14.99	3	V	265	1.94	-
PK	15.95874G	60.80	74.00	-13.20	16.90	3	V	132	1.65	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

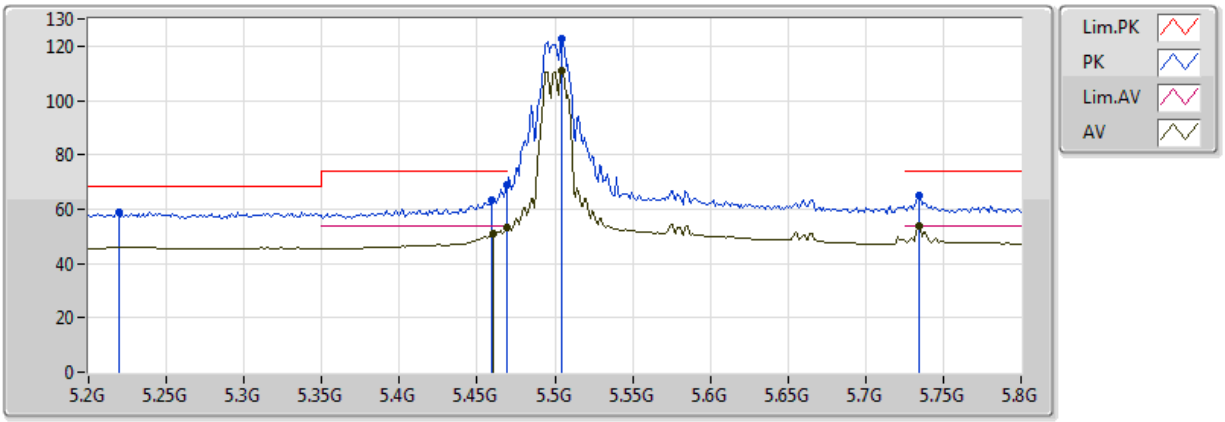


20170606
EUT Z_4TX
Setting 80
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64092G	43.19	54.00	-10.81	14.98	3	H	343	1.20	-
AV	15.95572G	47.17	54.00	-6.83	16.90	3	H	349	1.02	-
PK	10.64416G	58.14	74.00	-15.86	14.99	3	H	343	1.20	-
PK	15.95686G	60.40	74.00	-13.60	16.90	3	H	349	1.02	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

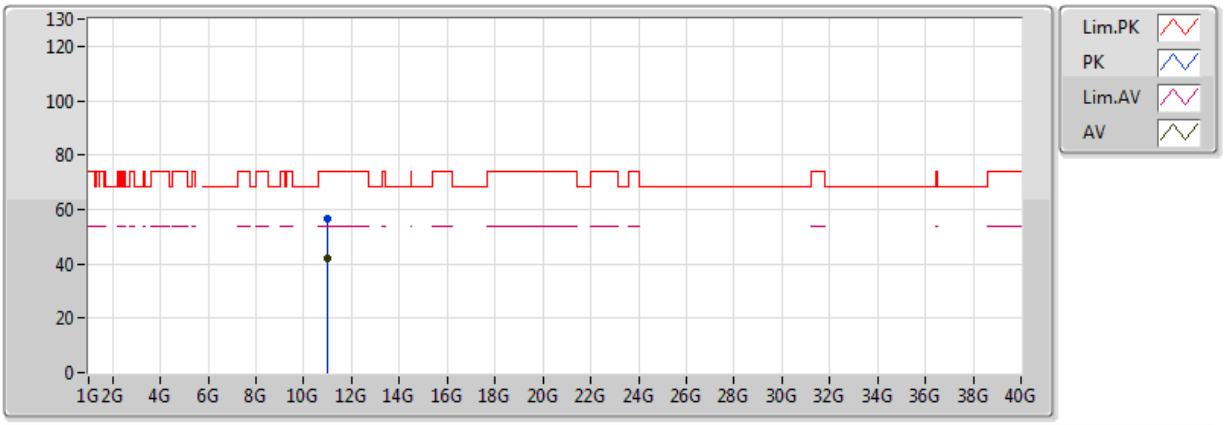


20170607
EUT Z_4TX
Setting 72
04-M-01-10
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459995G	50.94	54.00	-3.06	5.37	3	V	250	1.31	-
AV	5.4688G	53.10	54.00	-0.90	5.41	3	V	250	1.31	-
AV	5.5048G	111.13	Inf	-Inf	5.59	3	V	250	1.31	-
PK	5.2192G	59.07	68.20	-9.13	4.86	3	V	250	1.31	-
PK	5.4688G	68.79	74.00	-5.21	5.41	3	V	250	1.31	-
PK	5.5048G	122.62	Inf	-Inf	5.59	3	V	250	1.31	-
PK	5.734G	64.86	74.00	-9.14	6.30	3	V	250	1.31	-
AV	5.734G	53.95	54.00	-0.05	6.30	3	V	250	1.31	-
PK	5.4592G	63.37	74.00	-10.63	5.36	3	V	250	1.31	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

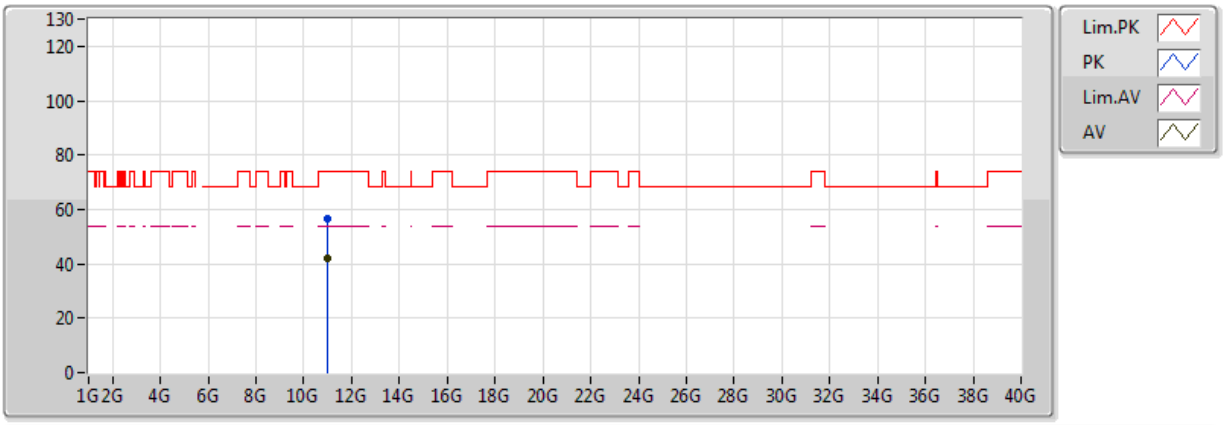


20170607
EUT Z_4TX
Setting 72
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00422G	41.98	54.00	-12.02	15.60	3	V	316	1.70	-
PK	11.00452G	56.66	74.00	-17.34	15.60	3	V	316	1.70	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

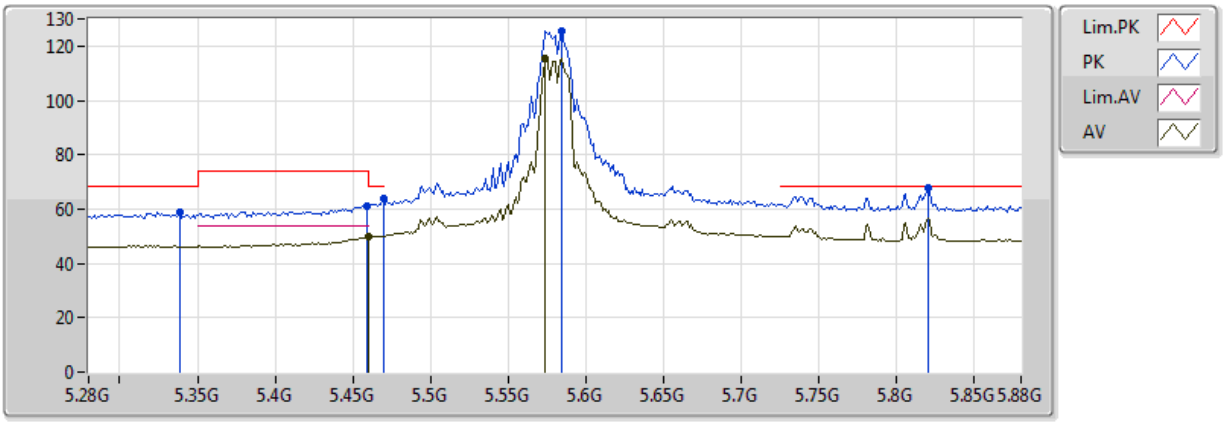


20170607
EUT Z_4TX
Setting 72
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00408G	41.91	54.00	-12.09	15.60	3	H	104	1.20	-
PK	10.99554G	56.66	74.00	-17.34	15.59	3	H	104	1.20	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

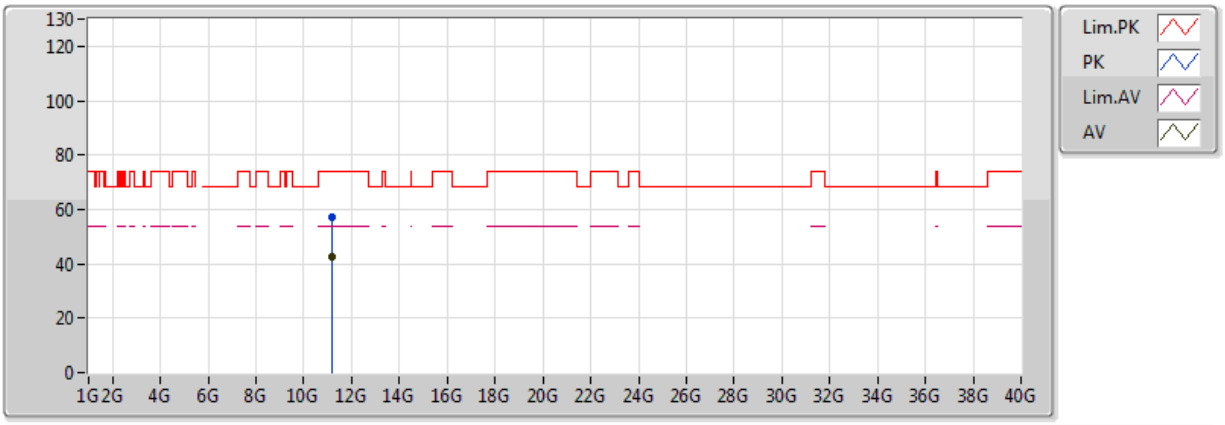


20170607
EUT Z_4TX
Setting 79
04-M-01-10
FSP(100142)
Radio 2

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	49.62	54.00	-4.38	5.37	3	V	164	2.40	-
AV	5.574G	115.46	Inf	-Inf	5.97	3	V	164	2.40	-
PK	5.3388G	59.08	68.20	-9.12	5.01	3	V	164	2.40	-
PK	5.4696G	63.70	68.20	-4.50	5.41	3	V	164	2.40	-
PK	5.5848G	125.45	Inf	-Inf	6.03	3	V	164	2.40	-
PK	5.4588G	61.00	74.00	-13.00	5.36	3	V	164	2.40	-
PK	5.82G	67.95	68.20	-0.25	6.52	3	V	164	2.40	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

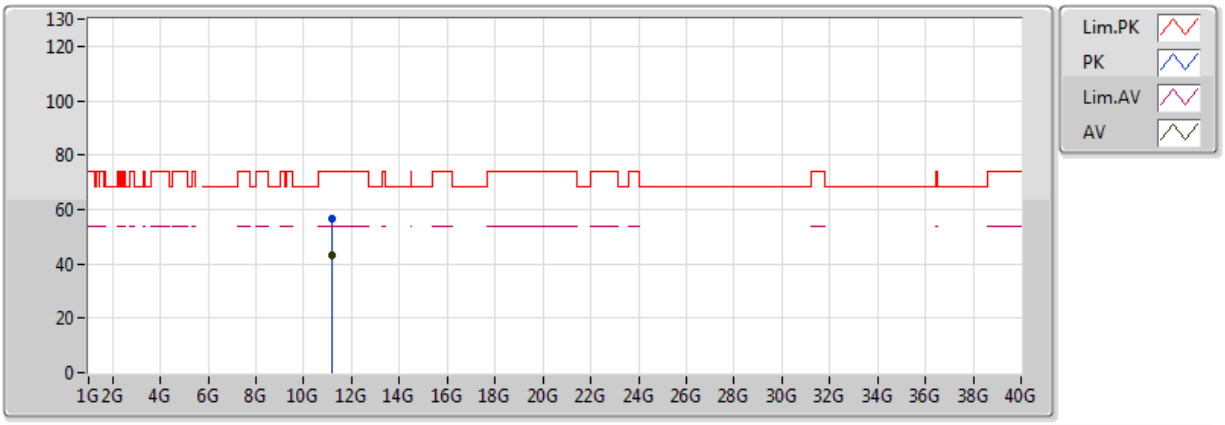


20170607
EUT Z_4TX
Setting 79
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16218G	42.83	54.00	-11.17	15.67	3	V	351	1.16	-
PK	11.15858G	57.08	74.00	-16.92	15.67	3	V	351	1.16	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

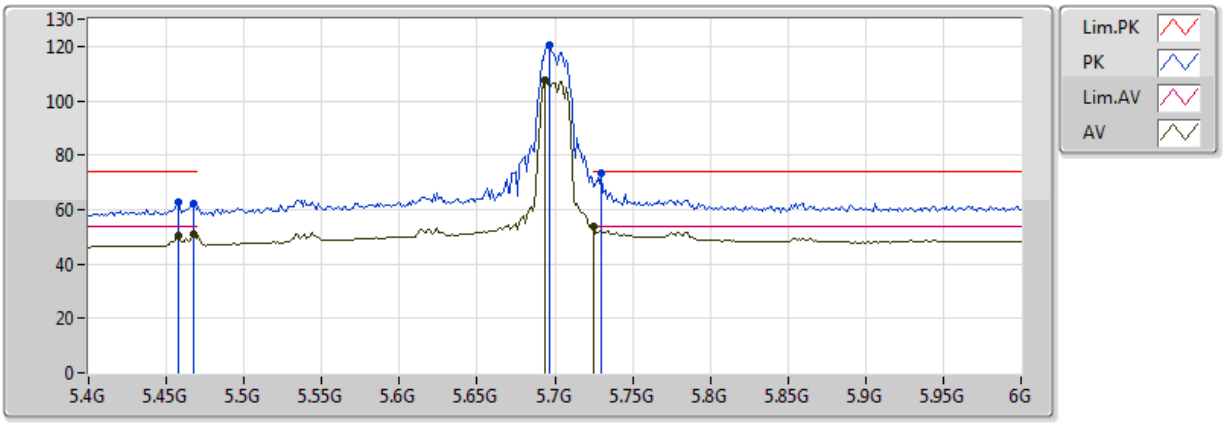


20170607
EUT Z_4TX
Setting 79
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16014G	43.03	54.00	-10.97	15.67	3	H	272	1.65	-
PK	11.1578G	56.48	74.00	-17.52	15.67	3	H	272	1.65	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

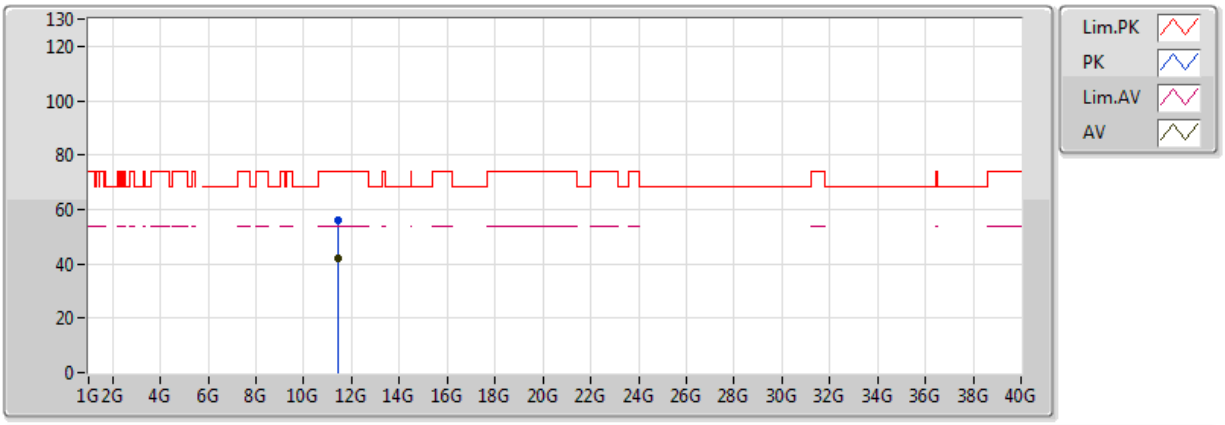


20170607
EUT Z_4TX
Setting 63
04-M-01-10
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4576G	50.27	54.00	-3.73	5.36	3	V	155	1.37	-
AV	5.4672G	50.78	54.00	-3.22	5.40	3	V	155	1.37	-
AV	5.694G	107.43	Inf	-Inf	6.24	3	V	155	1.37	-
AV	5.7252G	53.83	54.00	-0.17	6.29	3	V	155	1.37	-
PK	5.4576G	62.52	74.00	-11.48	5.36	3	V	155	1.37	-
PK	5.4672G	62.13	74.00	-11.87	5.40	3	V	155	1.37	-
PK	5.6964G	120.53	Inf	-Inf	6.25	3	V	155	1.37	-
PK	5.73G	73.55	74.00	-0.45	6.29	3	V	155	1.37	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

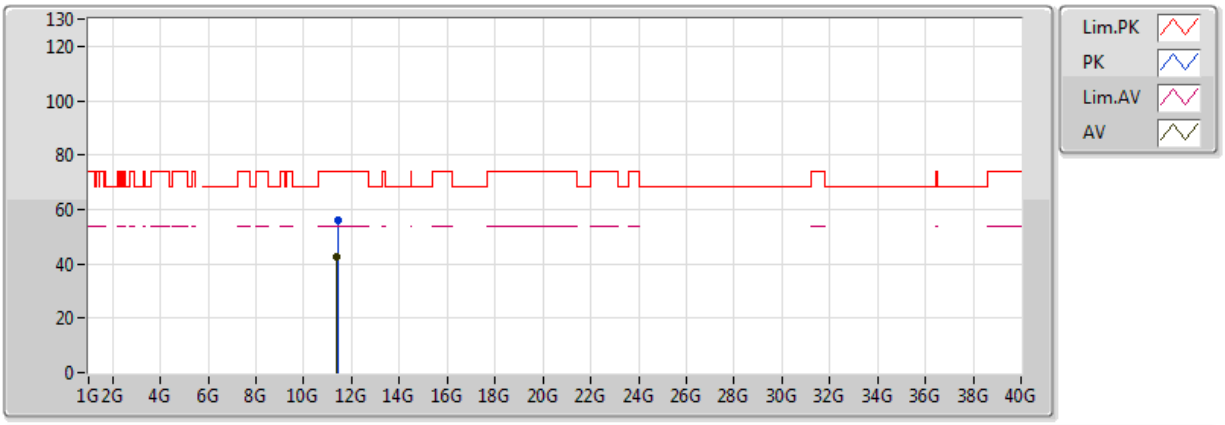


20170607
EUT Z_4TX
Setting 63
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.40328G	42.04	54.00	-11.96	15.79	3	V	179	1.91	-
PK	11.40494G	56.17	74.00	-17.83	15.79	3	V	179	1.91	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

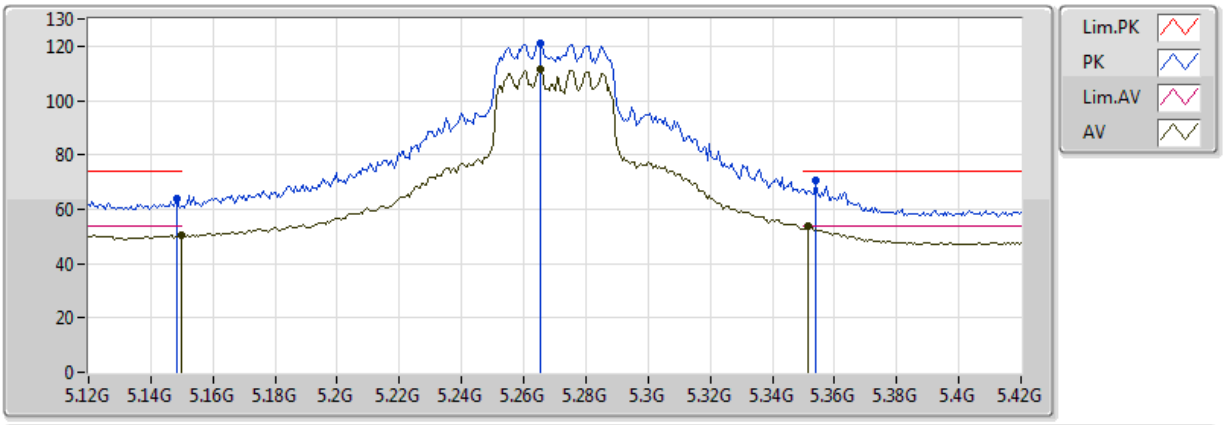


20170607
EUT Z_4TX
Setting 63
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39512G	42.85	54.00	-11.15	15.78	3	H	280	1.85	-
PK	11.40336G	56.15	74.00	-17.85	15.79	3	H	280	1.85	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

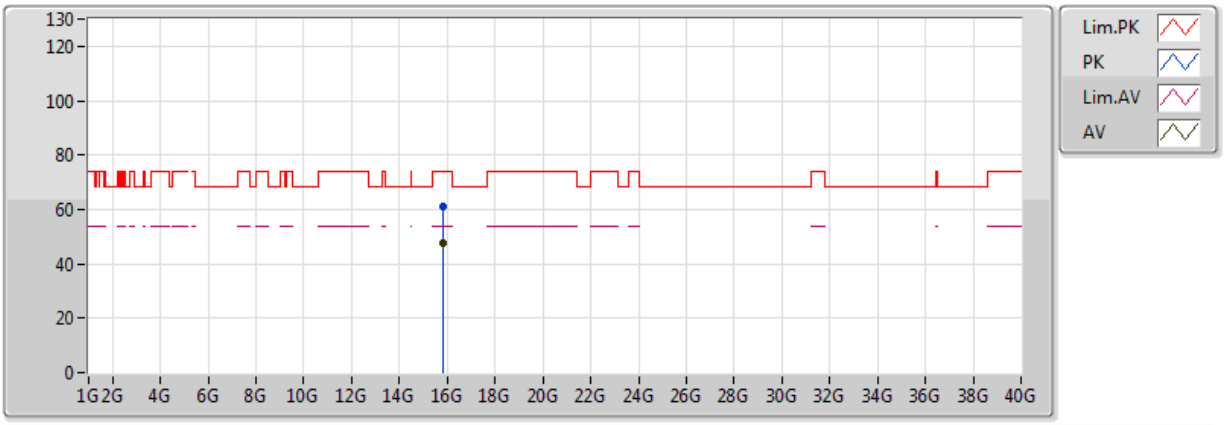


20170607
EUT Z_4TX
Setting 87
04-M-01-10
FSP(100142)
Radio 1

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	50.25	54.00	-3.75	4.64	3	V	90	2.01	-
AV	5.2652G	111.48	Inf	-Inf	4.92	3	V	90	2.01	-
AV	5.3516G	53.55	54.00	-0.45	5.03	3	V	90	2.01	-
PK	5.1482G	64.10	74.00	-9.90	4.64	3	V	90	2.01	-
PK	5.2652G	121.16	Inf	-Inf	4.92	3	V	90	2.01	-
PK	5.354G	70.63	74.00	-3.37	5.03	3	V	90	2.01	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

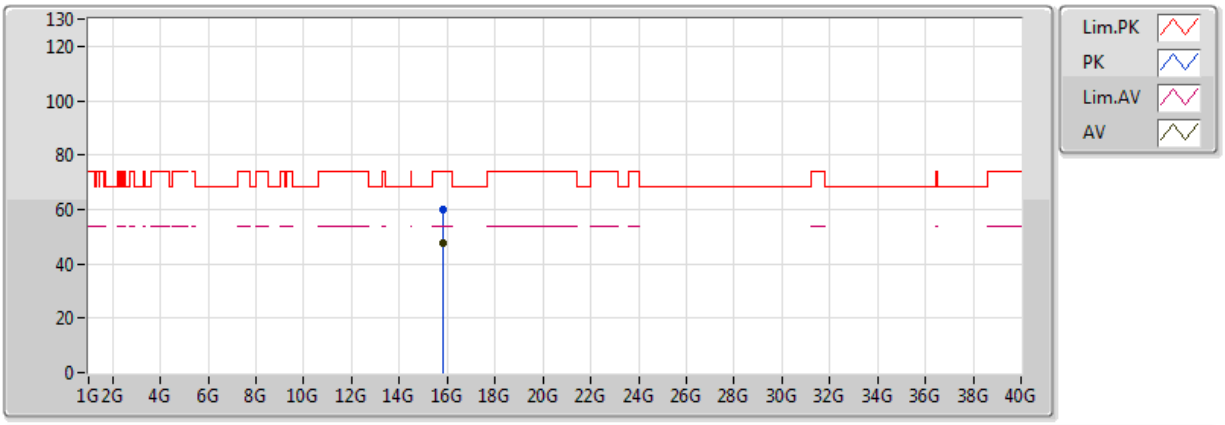


20170607
EUT Z_4TX
Setting 87
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.81262G	47.61	54.00	-6.39	17.02	3	V	55	1.13	-
PK	15.80606G	61.00	74.00	-13.00	17.02	3	V	55	1.13	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

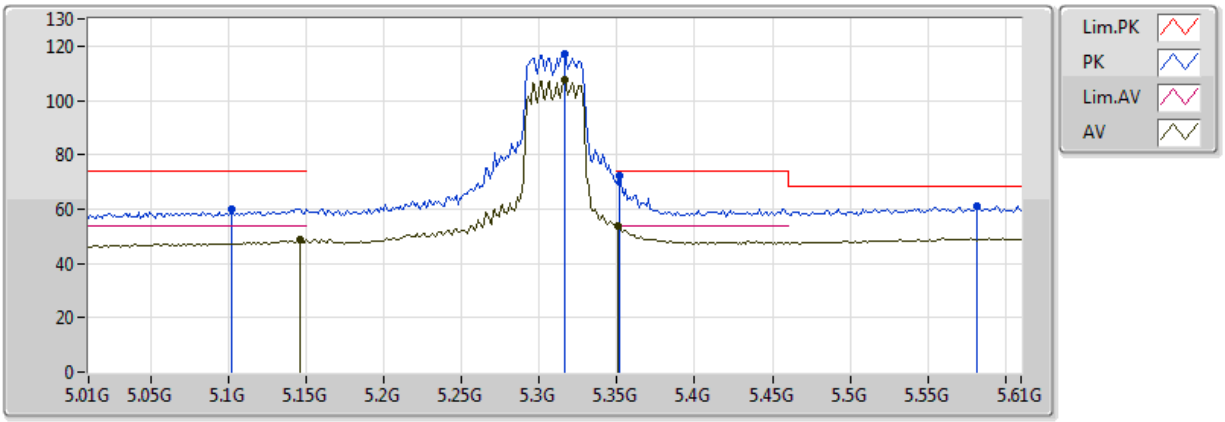


20170607
EUT Z_4TX
Setting 87
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.80748G	47.53	54.00	-6.47	17.02	3	H	294	2.49	-
PK	15.80694G	60.10	74.00	-13.90	17.02	3	H	294	2.49	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

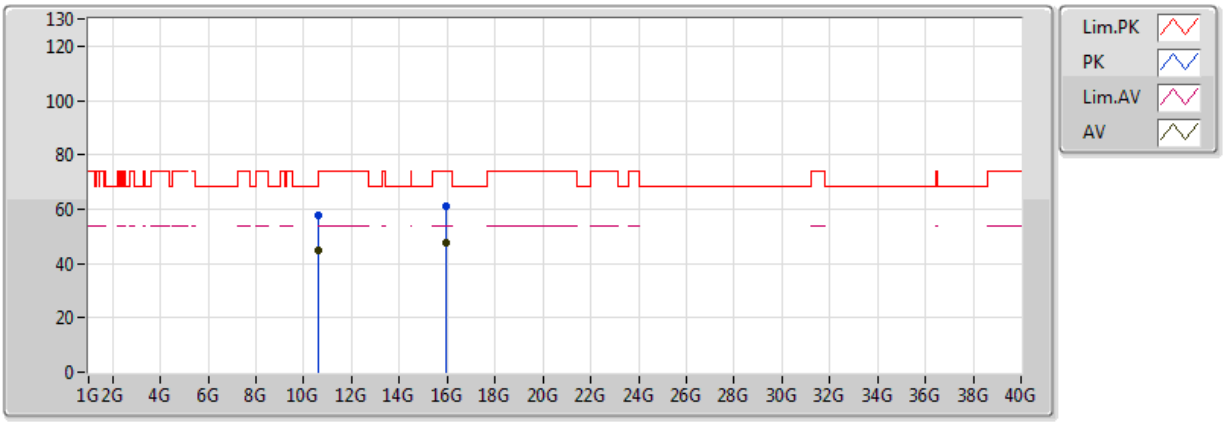


20170607
EUT Z_4TX
Setting 69
04-M-01-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1456G	48.61	54.00	-5.39	4.63	3	V	236	2.00	-
AV	5.316G	107.65	Inf	-Inf	4.99	3	V	236	2.00	-
AV	5.3508G	53.64	54.00	-0.36	5.03	3	V	236	2.00	-
PK	5.1024G	60.09	74.00	-13.91	4.47	3	V	236	2.00	-
PK	5.316G	116.88	Inf	-Inf	4.99	3	V	236	2.00	-
PK	5.352G	72.15	74.00	-1.85	5.03	3	V	236	2.00	-
PK	5.5812G	61.18	68.20	-7.02	6.01	3	V	236	2.00	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

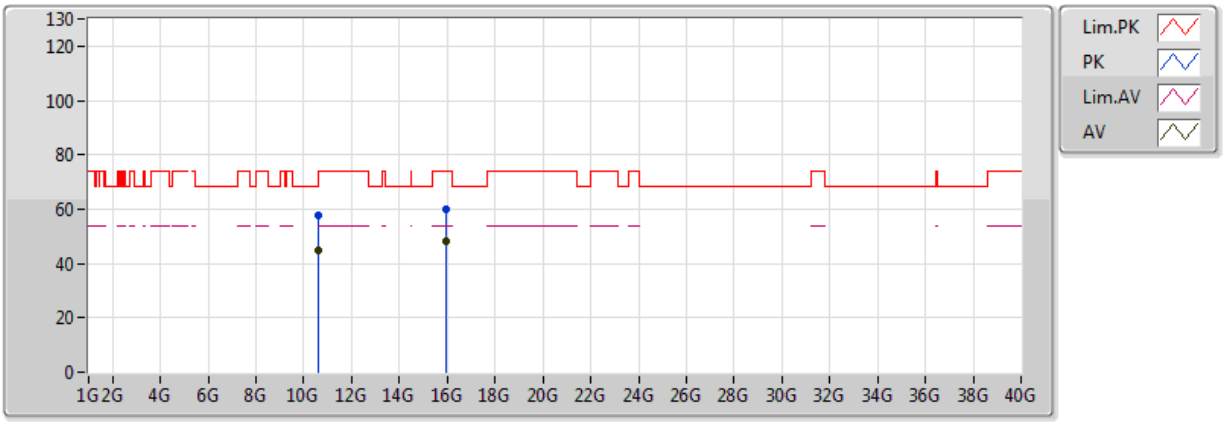


20170607
EUT Z_4TX
Setting 69
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.61836G	44.91	54.00	-9.09	14.94	3	V	173	1.17	-
AV	15.93134G	47.90	54.00	-6.10	16.92	3	V	79	2.27	-
PK	10.62394G	57.44	74.00	-16.56	14.95	3	V	173	1.17	-
PK	15.93332G	60.98	74.00	-13.02	16.92	3	V	79	2.27	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

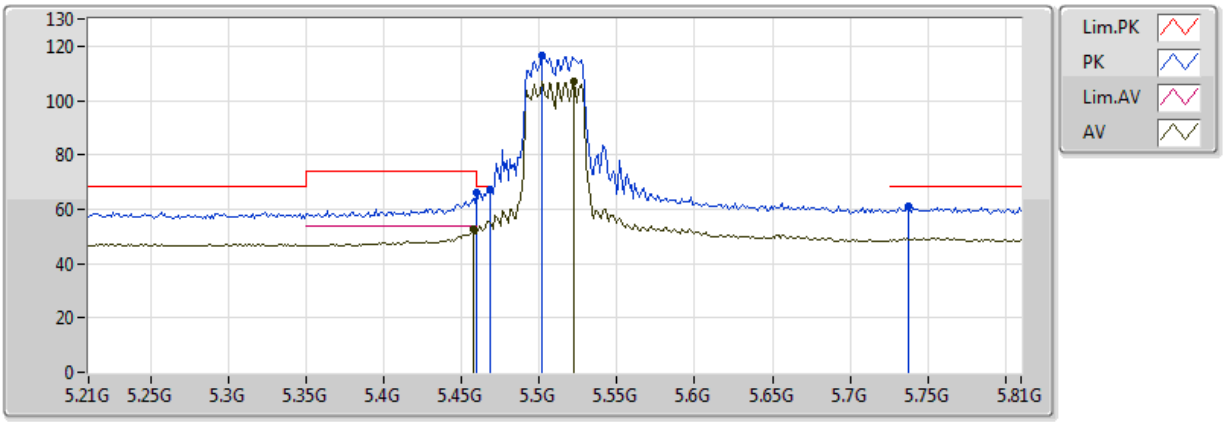


20170607
EUT Z_4TX
Setting 69
04-M-01
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.61864G	44.98	54.00	-9.02	14.94	3	H	120	1.66	-
AV	15.93008G	48.02	54.00	-5.98	16.93	3	H	179	2.36	-
PK	10.62428G	57.94	74.00	-16.06	14.95	3	H	120	1.66	-
PK	15.92916G	60.23	74.00	-13.77	16.93	3	H	179	2.36	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

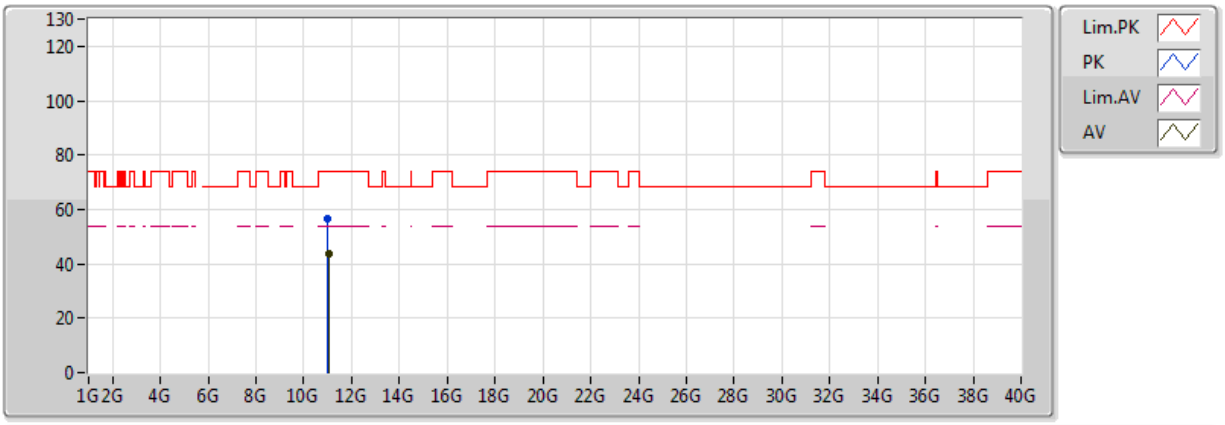


20170607
EUT Z_4TX
Setting 61
04-M-01-10
FSP(100142)
Radio 2

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	52.72	54.00	-1.28	5.35	3	V	332	2.00	-
AV	5.522G	107.00	Inf	-Inf	5.68	3	V	332	2.00	-
PK	5.459995G	66.15	74.00	-7.85	5.37	3	V	332	2.00	-
PK	5.468G	67.49	68.20	-0.71	5.41	3	V	332	2.00	-
PK	5.5016G	116.60	Inf	-Inf	5.57	3	V	332	2.00	-
PK	5.738G	61.07	68.20	-7.13	6.31	3	V	332	2.00	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

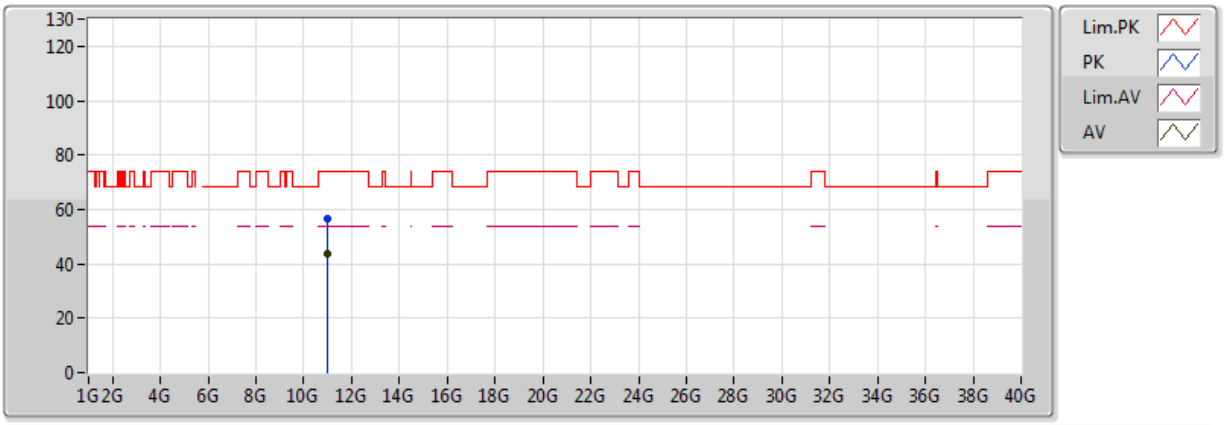


20170607
EUT Z_4TX
Setting 61
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.02426G	43.71	54.00	-10.29	15.61	3	V	129	2.00	-
PK	11.01876G	56.46	74.00	-17.54	15.61	3	V	129	2.00	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

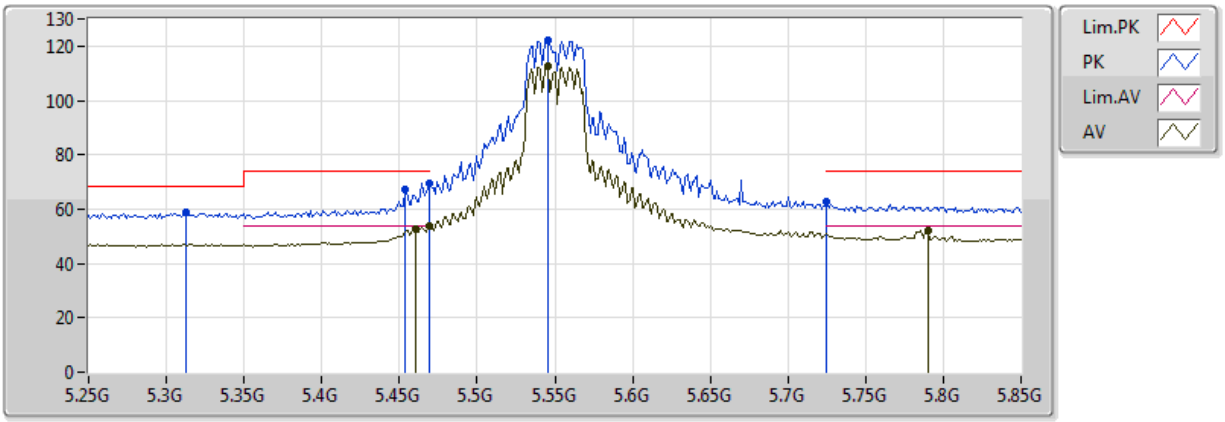


20170607
EUT Z_4TX
Setting 61
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.01868G	43.75	54.00	-10.25	15.61	3	H	146	1.54	-
PK	11.01982G	56.68	74.00	-17.32	15.61	3	H	146	1.54	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

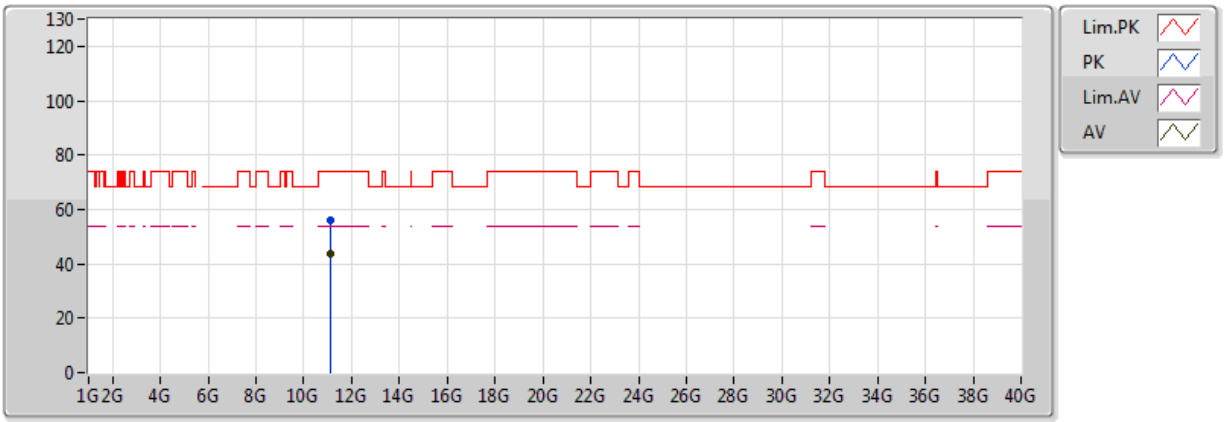


20170607
EUT Z_4TX
Setting 82
04-M-01-10
FSP(100142)
Radio 2

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	52.88	54.00	-1.12	5.37	3	V	280	1.50	-
AV	5.4696G	53.68	54.00	-0.32	5.41	3	V	280	1.50	-
AV	5.5452G	112.46	Inf	-Inf	5.81	3	V	280	1.50	-
AV	5.79G	52.24	54.00	-1.76	6.38	3	V	280	1.50	-
PK	5.454G	67.30	74.00	-6.70	5.34	3	V	280	1.50	-
PK	5.4696G	69.70	74.00	-4.30	5.41	3	V	280	1.50	-
PK	5.5452G	122.11	Inf	-Inf	5.81	3	V	280	1.50	-
PK	5.7252G	62.84	74.00	-11.16	6.29	3	V	280	1.50	-
PK	5.3124G	58.62	68.20	-9.58	4.98	3	V	280	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

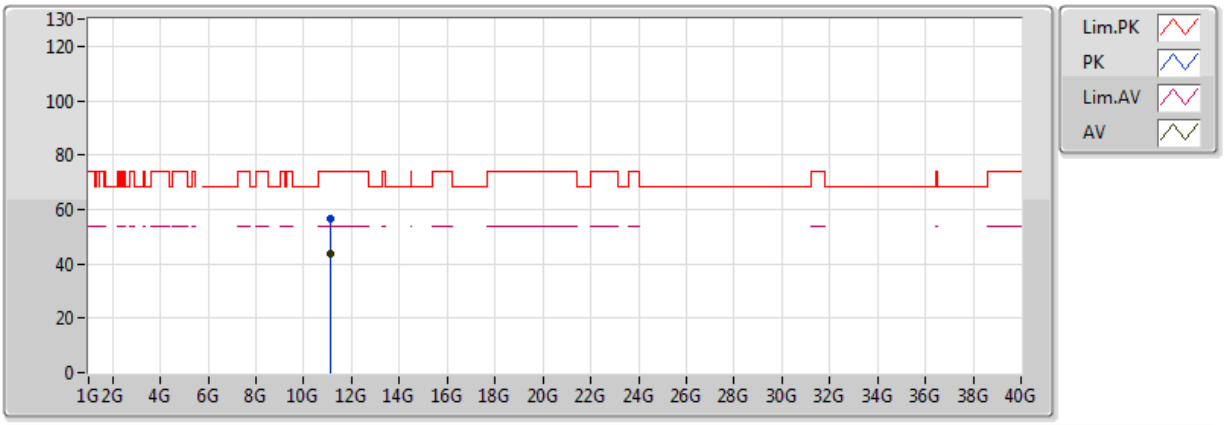


20170607
EUT Z_4TX
Setting 82
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.09768G	43.84	54.00	-10.16	15.64	3	V	20	2.21	-
PK	11.09514G	56.17	74.00	-17.83	15.64	3	V	20	2.21	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

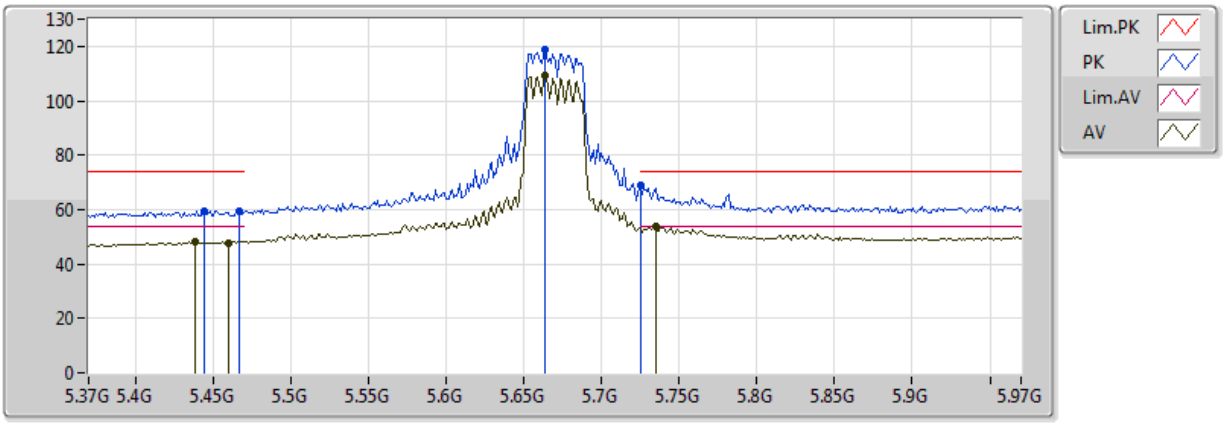


20170607
EUT Z_4TX
Setting 82
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.10176G	43.89	54.00	-10.11	15.65	3	H	300	1.06	-
PK	11.0978G	56.51	74.00	-17.49	15.64	3	H	300	1.06	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

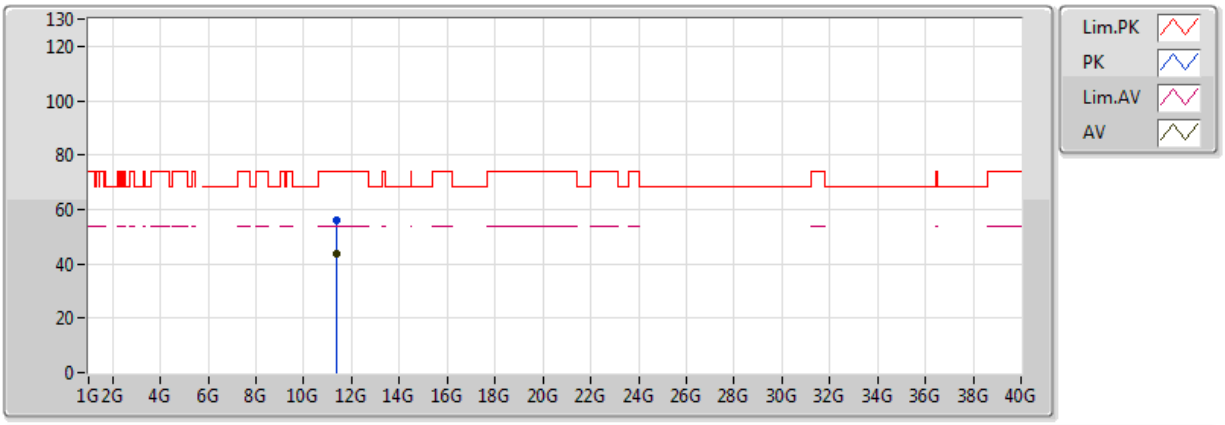


20170607
EUT Z_4TX
Setting 66
04-M-01-10
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4384G	48.40	54.00	-5.60	5.26	3	V	40	2.00	-
AV	5.46G	47.44	54.00	-6.56	5.37	3	V	40	2.00	-
AV	5.664G	109.23	Inf	-Inf	6.20	3	V	40	2.00	-
AV	5.7348G	53.55	54.00	-0.45	6.30	3	V	40	2.00	-
PK	5.4444G	59.61	74.00	-14.39	5.29	3	V	40	2.00	-
PK	5.4672G	59.37	74.00	-14.63	5.40	3	V	40	2.00	-
PK	5.664G	118.99	Inf	-Inf	6.20	3	V	40	2.00	-
PK	5.7252G	68.96	74.00	-5.04	6.29	3	V	40	2.00	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

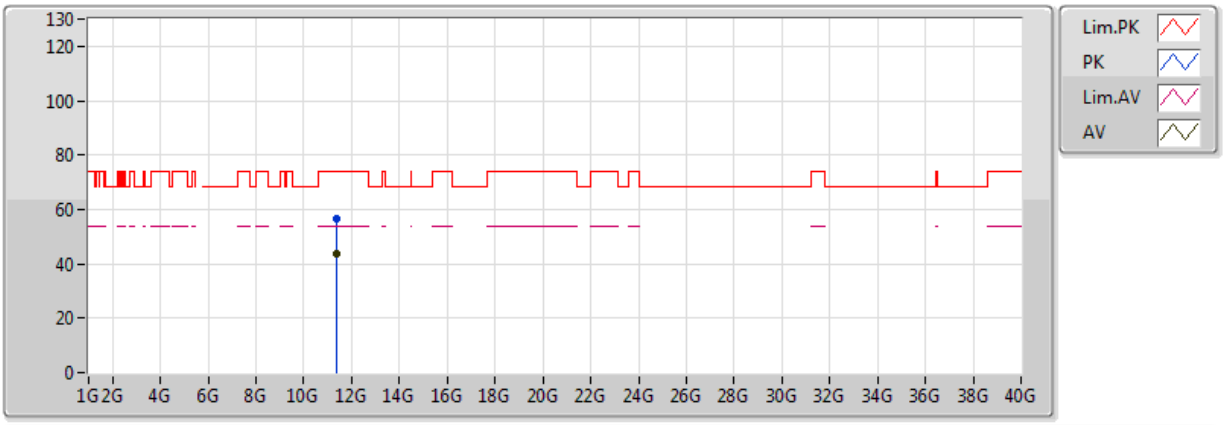


20170607
EUT Z_4TX
Setting 66
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.3432G	43.58	54.00	-10.42	15.76	3	V	13	1.09	-
PK	11.33862G	55.78	74.00	-18.22	15.76	3	V	13	1.09	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

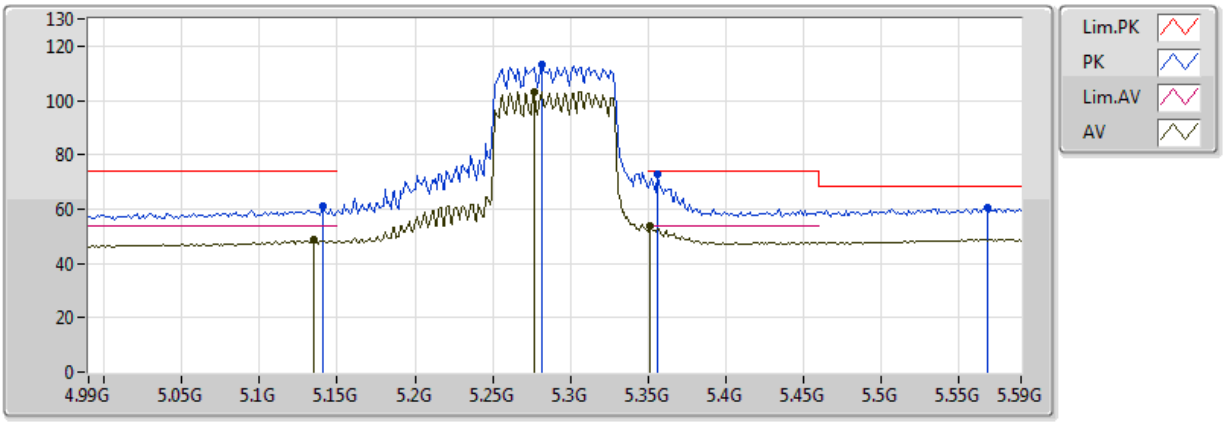


20170607
EUT Z_4TX
Setting 66
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.34322G	43.56	54.00	-10.44	15.76	3	H	90	2.14	-
PK	11.34356G	56.71	74.00	-17.29	15.76	3	H	90	2.14	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

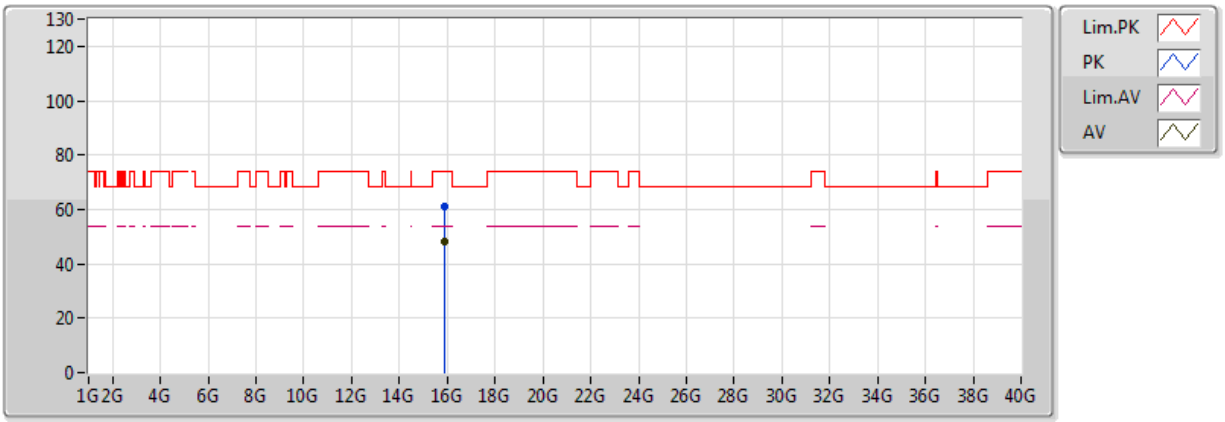


20170607
EUT Z_4TX
Setting 70
04-M-01-10
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1352G	48.79	54.00	-5.21	4.59	3	V	75	1.80	-
AV	5.2768G	103.02	Inf	-Inf	4.94	3	V	75	1.80	-
AV	5.3512G	53.58	54.00	-0.42	5.03	3	V	75	1.80	-
PK	5.1412G	60.87	74.00	-13.13	4.61	3	V	75	1.80	-
PK	5.2816G	113.09	Inf	-Inf	4.94	3	V	75	1.80	-
PK	5.356G	73.10	74.00	-0.90	5.03	3	V	75	1.80	-
PK	5.5684G	60.66	68.20	-7.54	5.94	3	V	75	1.80	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

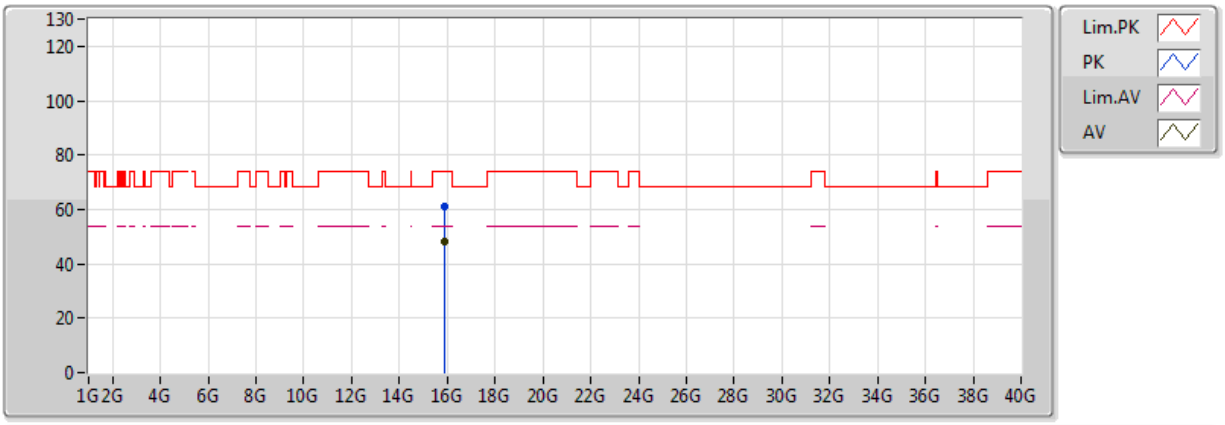


20170607
EUT Z_4TX
Setting 70
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.86812G	48.22	54.00	-5.78	16.97	3	V	123	2.17	-
PK	15.8708G	60.95	74.00	-13.05	16.97	3	V	123	2.17	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

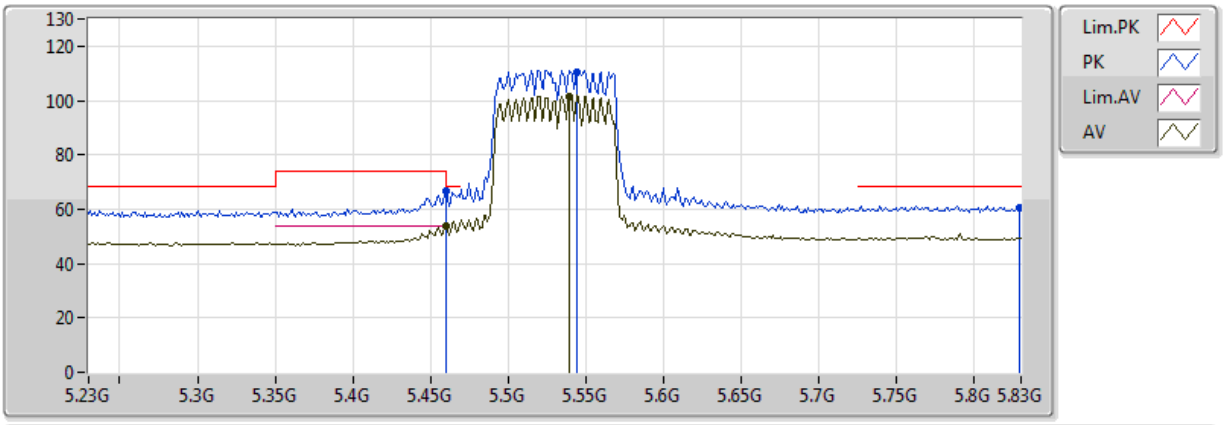


20170607
EUT Z_4TX
Setting 70
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.87252G	48.14	54.00	-5.86	16.97	3	H	164	2.08	-
PK	15.87258G	61.27	74.00	-12.73	16.97	3	H	164	2.08	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

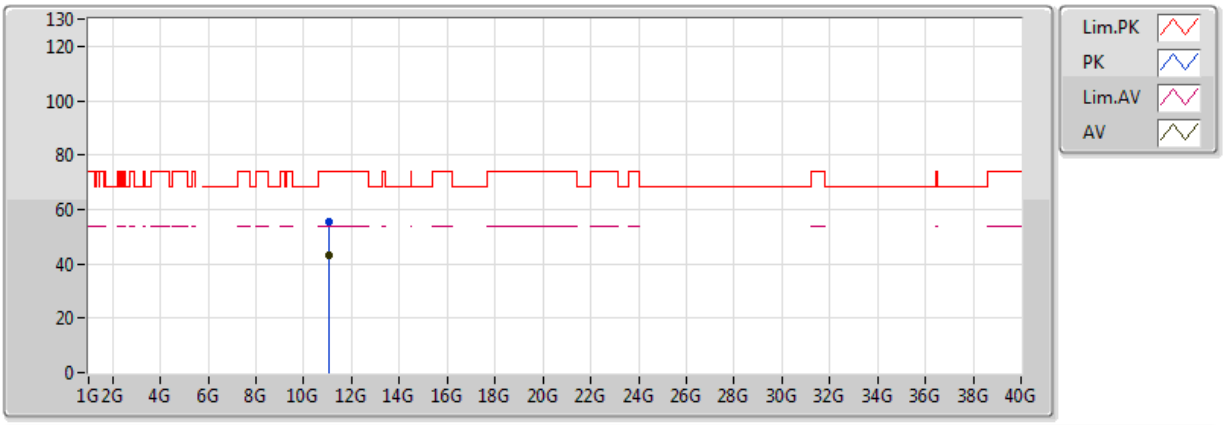


20170607
EUT Z_4TX
Setting 55
04-M-01-10
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459995G	53.54	54.00	-0.46	5.37	3	V	281	1.90	-
AV	5.5396G	101.45	Inf	-Inf	5.78	3	V	281	1.90	-
PK	5.459995G	66.64	74.00	-7.36	5.37	3	V	281	1.90	-
PK	5.4604G	66.64	68.20	-1.56	5.37	3	V	281	1.90	-
PK	5.5444G	110.65	Inf	-Inf	5.81	3	V	281	1.90	-
PK	5.8288G	60.65	68.20	-7.55	6.57	3	V	281	1.90	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

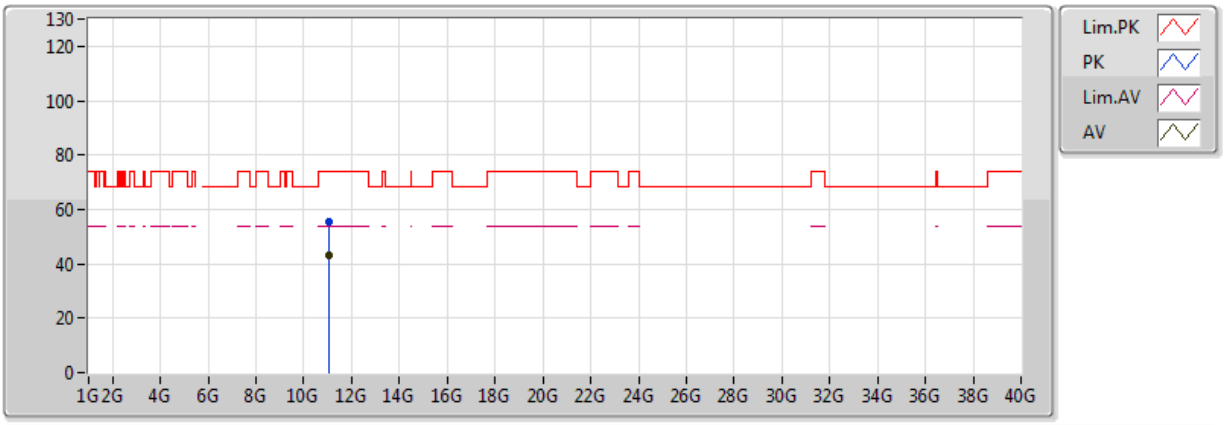


20170607
EUT Z_4TX
Setting 55
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.06488G	43.01	54.00	-10.99	15.63	3	V	6	1.56	-
PK	11.06104G	55.71	74.00	-18.29	15.63	3	V	6	1.56	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

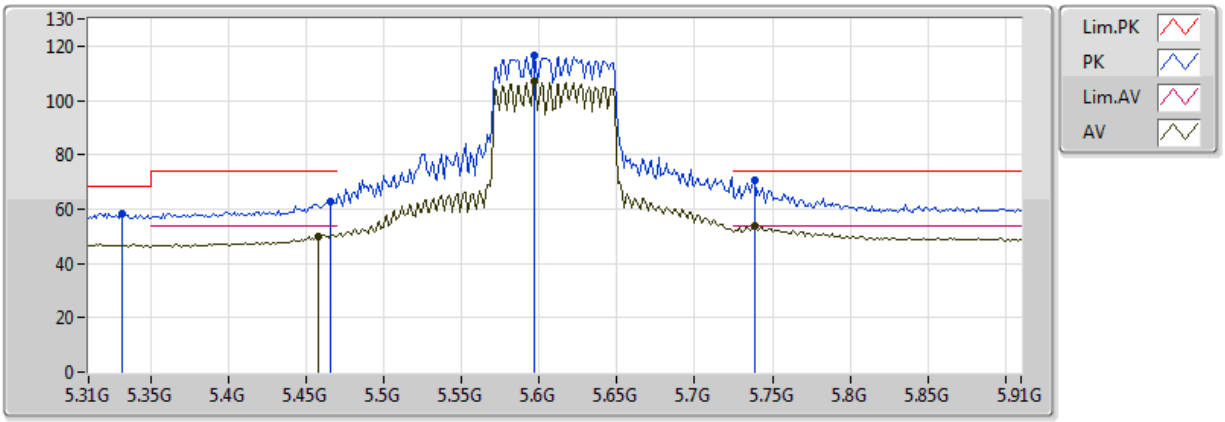


20170607
EUT Z_4TX
Setting 55
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.05566G	43.12	54.00	-10.88	15.63	3	H	294	1.84	-
PK	11.05864G	55.65	74.00	-18.35	15.63	3	H	294	1.84	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

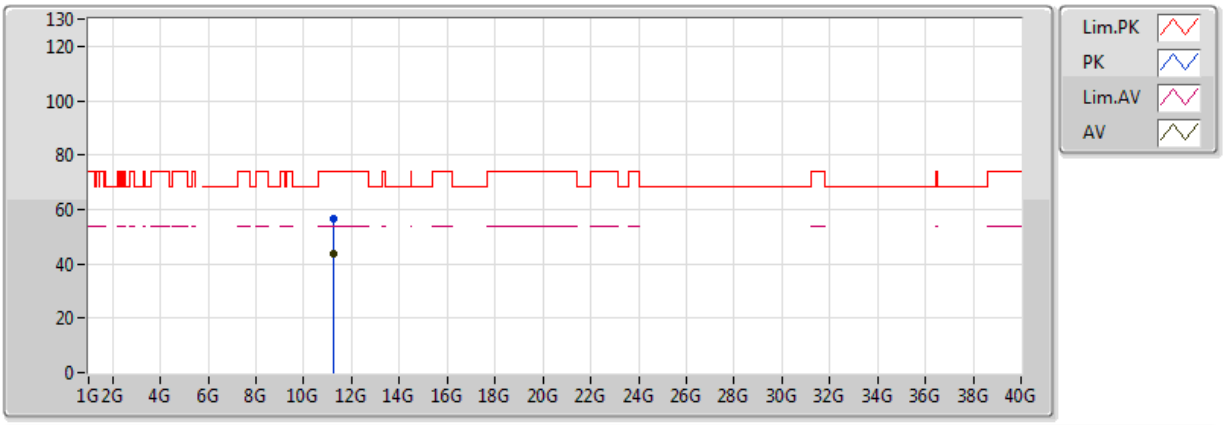


20170607
EUT Z_4TX
Setting 76
04-M-01-10
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4576G	49.90	54.00	-4.10	5.36	3	V	90	1.90	-
AV	5.5968G	107.16	Inf	-Inf	6.10	3	V	90	1.90	-
AV	5.7384G	53.94	54.00	-0.06	6.31	3	V	90	1.90	-
PK	5.3316G	58.52	68.20	-9.68	5.00	3	V	90	1.90	-
PK	5.5968G	116.36	Inf	-Inf	6.10	3	V	90	1.90	-
PK	5.7384G	70.88	74.00	-3.12	6.31	3	V	90	1.90	-
PK	5.466G	62.96	74.00	-11.04	5.40	3	V	90	1.90	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

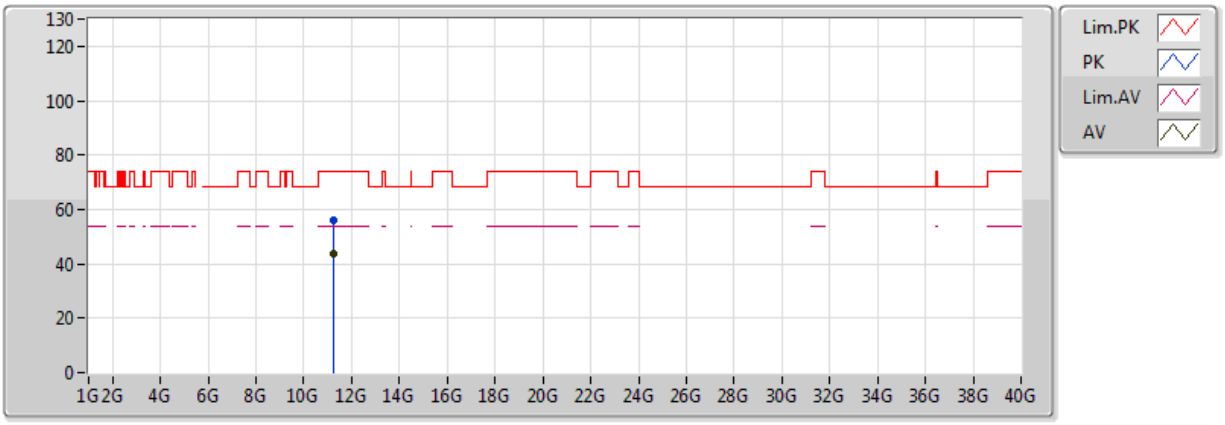


20170607
EUT Z_4TX
Setting 76
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.22392G	43.68	54.00	-10.32	15.70	3	V	35	1.87	-
PK	11.22424G	56.43	74.00	-17.57	15.70	3	V	35	1.87	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

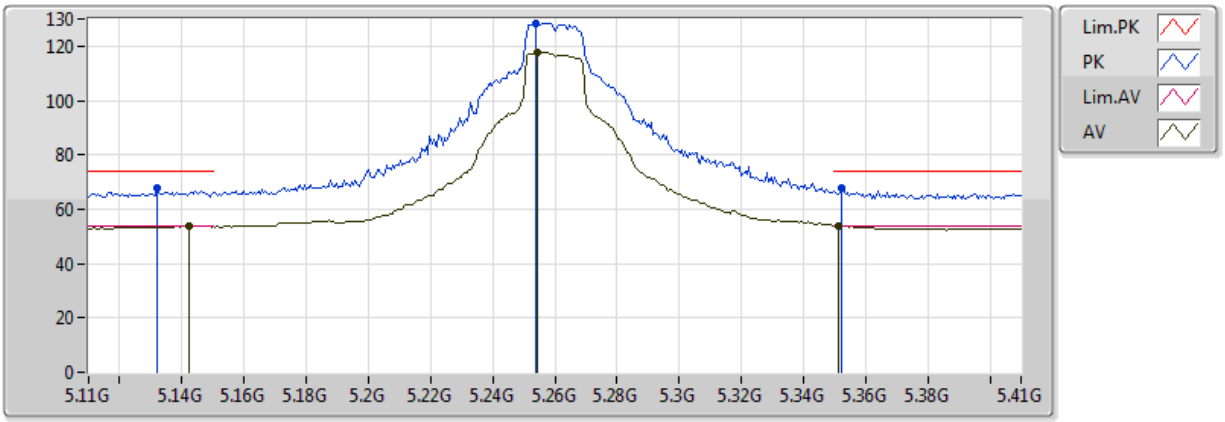


20170607
EUT Z_4TX
Setting 76
04-M-01
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.21936G	43.77	54.00	-10.23	15.70	3	H	307	1.70	-
PK	11.22232G	56.21	74.00	-17.79	15.70	3	H	307	1.70	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5260MHz_TX

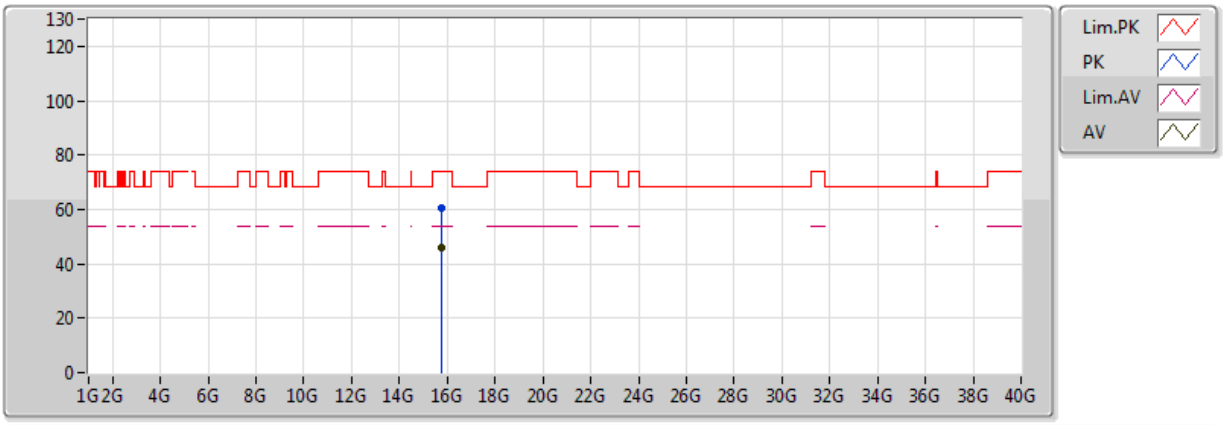


20170606
EUT Z_4TX
Setting 110
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1424G	53.81	54.00	-0.19	4.62	3	V	327	1.92	-
AV	5.2546G	117.93	Inf	-Inf	4.91	3	V	327	1.92	-
AV	5.3512G	53.74	54.00	-0.26	5.03	3	V	327	1.92	-
PK	5.1322G	67.57	74.00	-6.43	4.58	3	V	327	1.92	-
PK	5.254G	128.45	Inf	-Inf	4.91	3	V	327	1.92	-
PK	5.3524G	67.53	74.00	-6.47	5.03	3	V	327	1.92	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5260MHz_TX

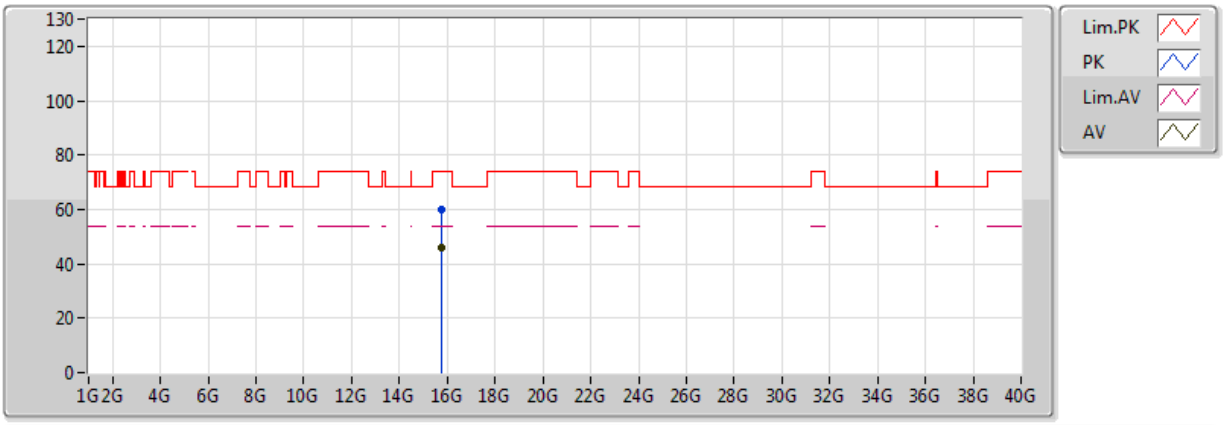


20170606
EUT Z_4TX
Setting 110
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77986G	46.21	54.00	-7.79	17.04	3	V	216	2.44	-
PK	15.77818G	60.42	74.00	-13.58	17.05	3	V	216	2.44	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5260MHz_TX

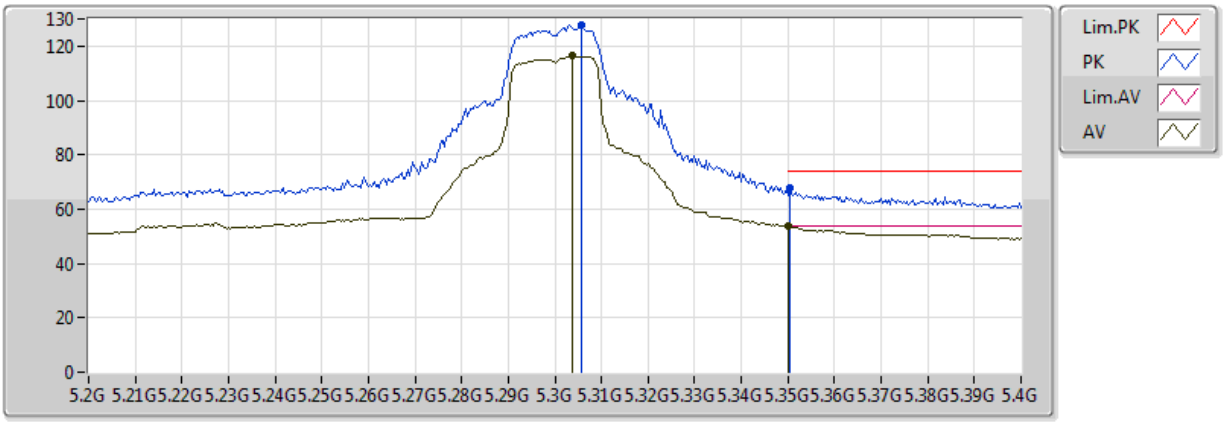


20170606
EUT Z_4TX
Setting 110
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78254G	46.15	54.00	-7.85	17.04	3	H	64	1.28	-
PK	15.78172G	60.20	74.00	-13.80	17.04	3	H	64	1.28	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5300MHz_TX

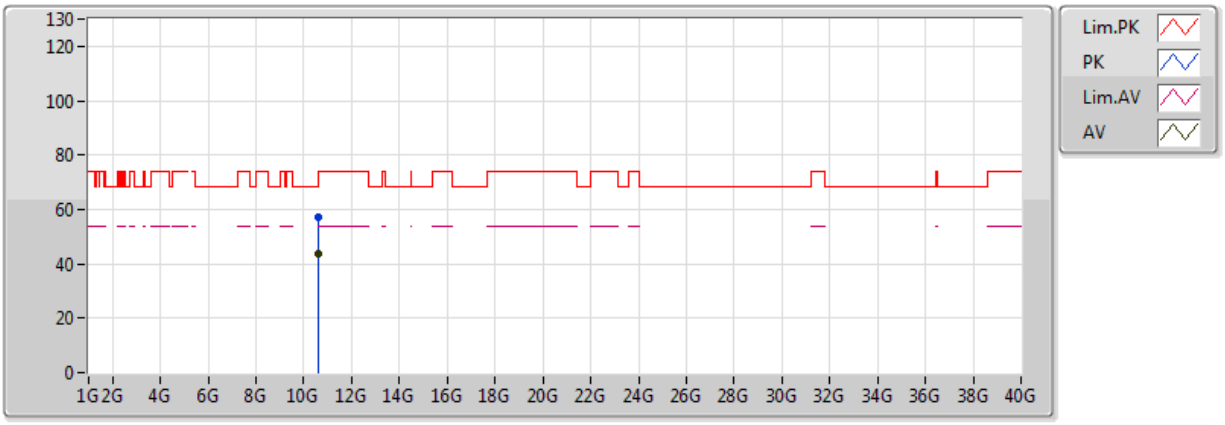


20170606
EUT Z_4TX
Setting 90
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3036G	116.39	Inf	-Inf	4.97	3	V	333	2.00	-
AV	5.350005G	53.78	54.00	-0.22	5.03	3	V	333	2.00	-
PK	5.3056G	128.03	Inf	-Inf	4.98	3	V	333	2.00	-
PK	5.3504G	67.99	74.00	-6.01	5.03	3	V	333	2.00	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5300MHz_TX

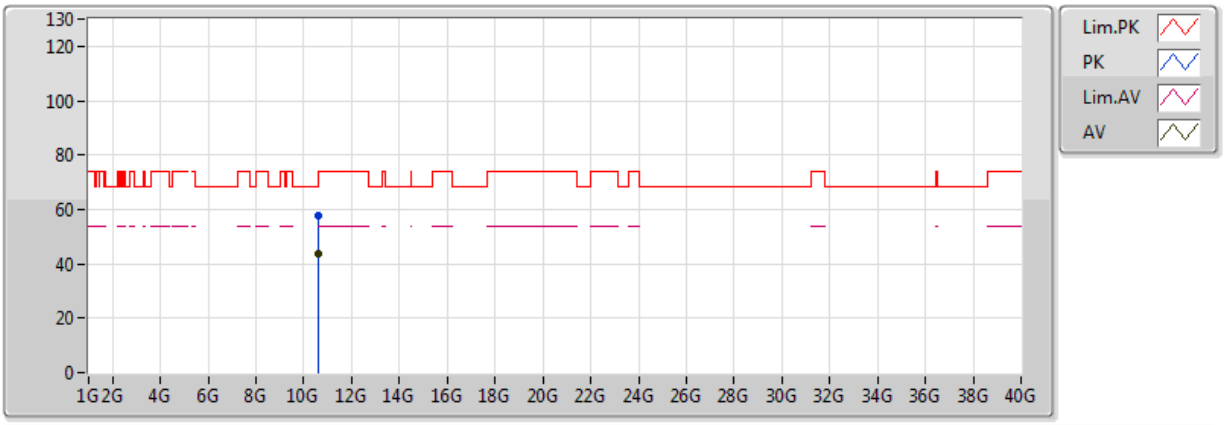


20170606
EUT Z_4TX
Setting 90
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60472G	43.60	54.00	-10.40	14.92	3	V	21	1.23	-
PK	10.60302G	57.42	74.00	-16.58	14.92	3	V	21	1.23	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5300MHz_TX

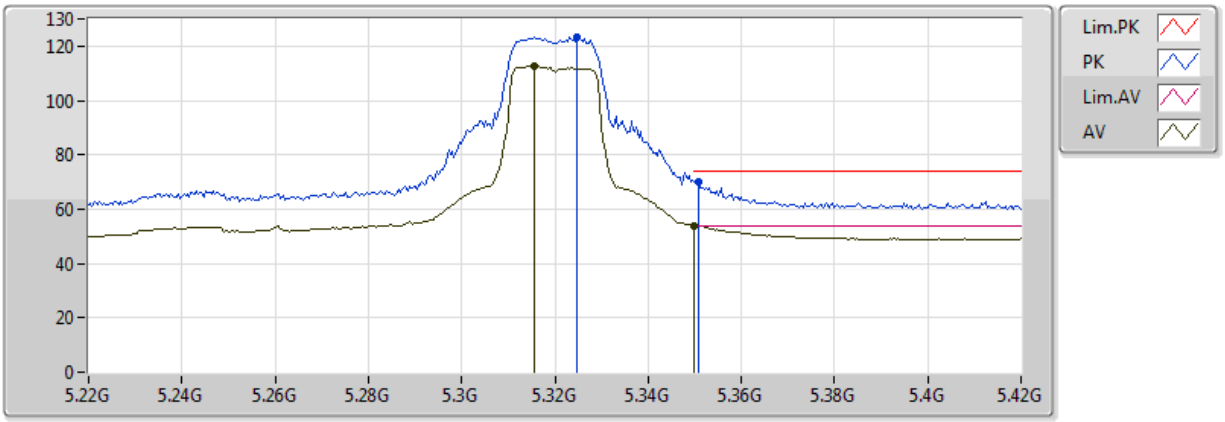


20170606
EUT Z_4TX
Setting 90
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60398G	43.97	54.00	-10.03	14.92	3	H	68	2.19	-
PK	10.60234G	57.96	74.00	-16.04	14.92	3	H	68	2.19	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5320MHz_TX

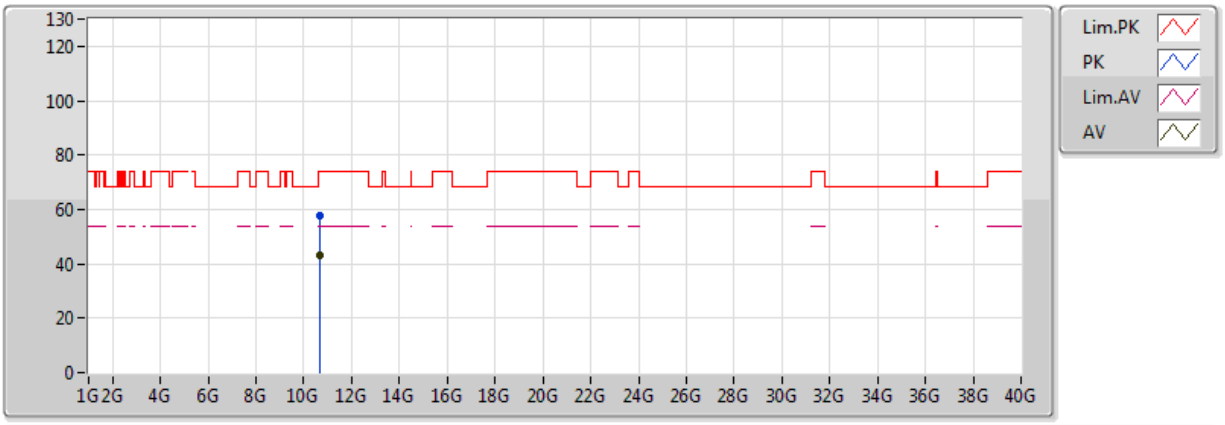


20170606
EUT Z_4TX
Setting 80
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3156G	112.80	Inf	-Inf	4.99	3	V	1	1.50	-
AV	5.350005G	53.98	54.00	-0.02	5.03	3	V	1	1.50	-
PK	5.3248G	123.24	Inf	-Inf	5.00	3	V	1	1.50	-
PK	5.3508G	70.30	74.00	-3.70	5.03	3	V	1	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5320MHz_TX

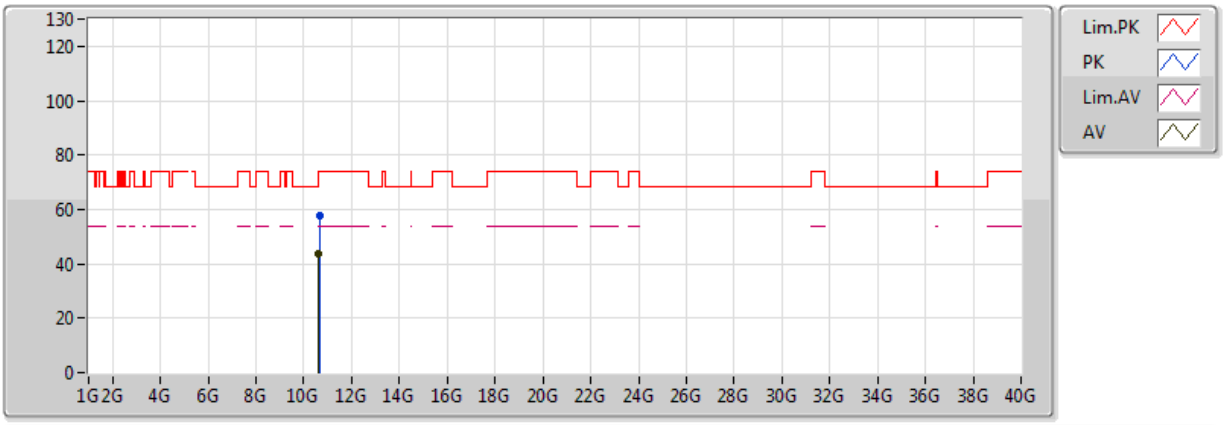


20170606
EUT Z_4TX
Setting 80
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6431G	43.27	54.00	-10.73	14.99	3	V	112	1.46	-
PK	10.64388G	57.44	74.00	-16.56	14.99	3	V	112	1.46	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5320MHz_TX

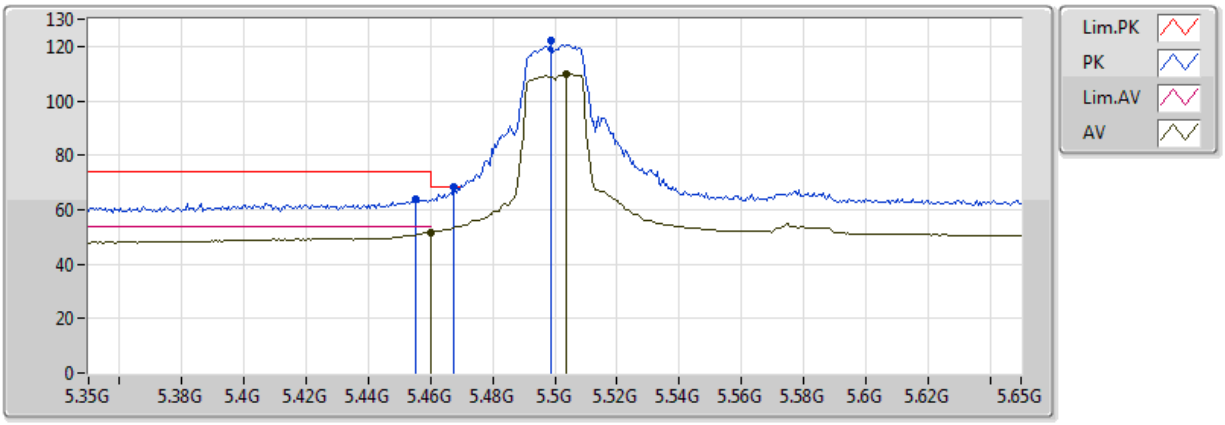


20170606
EUT Z_4TX
Setting 80
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63566G	43.66	54.00	-10.34	14.97	3	H	207	2.06	-
PK	10.64054G	57.48	74.00	-16.52	14.98	3	H	207	2.06	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5500MHz_TX

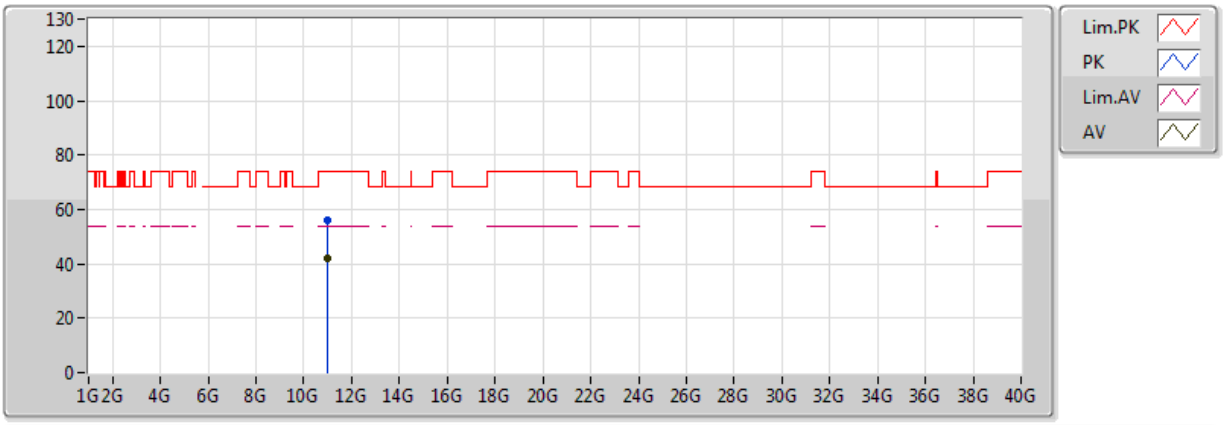


20170606
EUT Z_4TX
Setting 71
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459995G	51.61	54.00	-2.39	5.37	3	V	279	1.50	-
AV	5.5036G	110.01	Inf	-Inf	5.58	3	V	279	1.50	-
PK	5.455G	63.94	74.00	-10.06	5.34	3	V	279	1.50	-
PK	5.4676G	68.17	68.20	-0.03	5.40	3	V	279	1.50	-
PK	5.4988G	122.12	Inf	-Inf	5.55	3	V	279	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5500MHz_TX

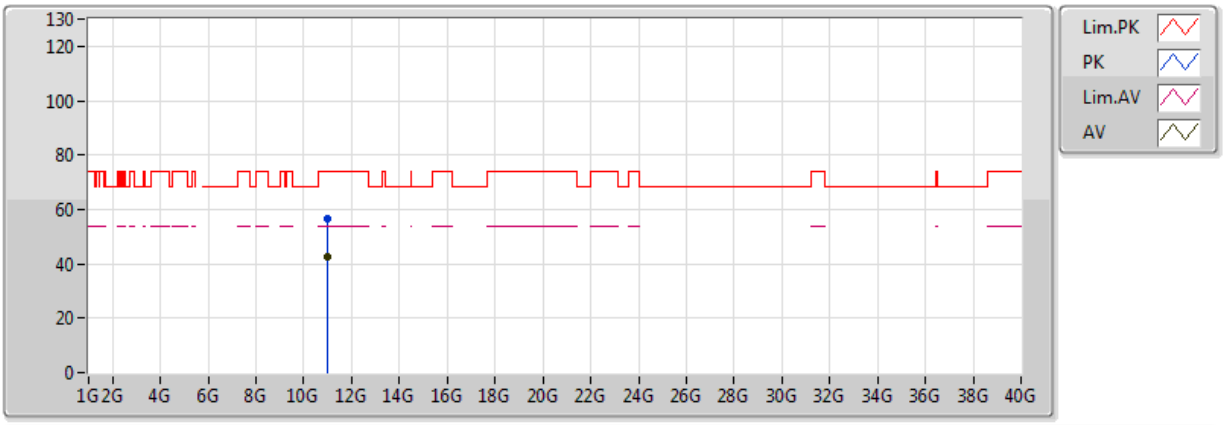


20170606
EUT Z_4TX
Setting 71
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00484G	42.11	54.00	-11.89	15.60	3	V	320	1.64	-
PK	11.00098G	55.99	74.00	-18.01	15.60	3	V	320	1.64	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5500MHz_TX

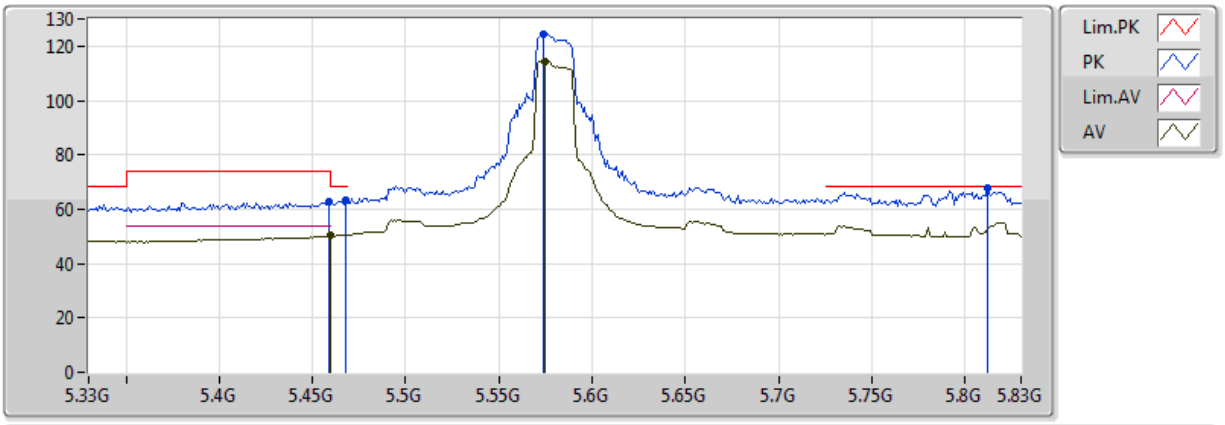


20170606
EUT Z_4TX
Setting 71
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00402G	42.49	54.00	-11.51	15.60	3	H	137	1.11	-
PK	10.9974G	56.40	74.00	-17.60	15.60	3	H	137	1.11	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5580MHz_TX

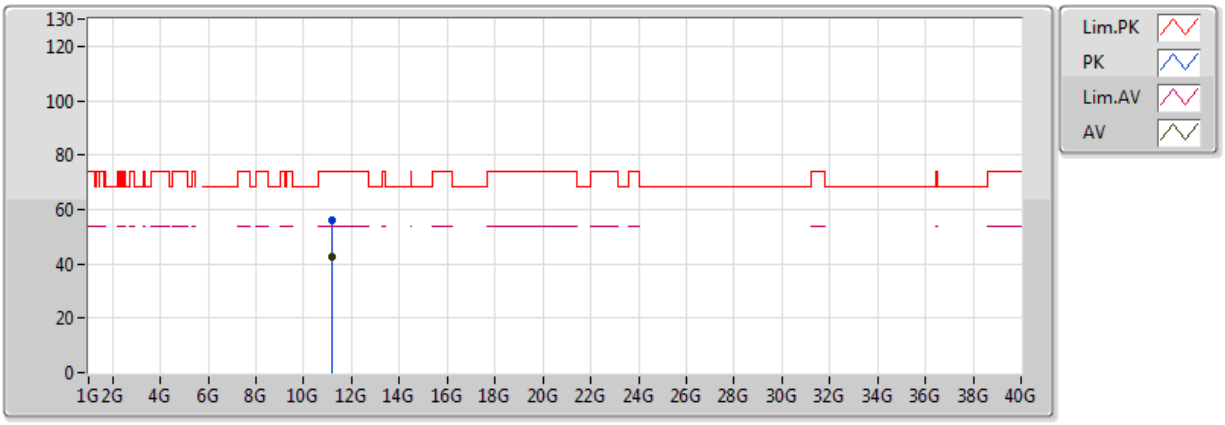


20170606
EUT Z_4TX
Setting 83
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	50.16	54.00	-3.84	5.37	3	V	255	1.50	-
AV	5.575G	114.52	Inf	-Inf	5.98	3	V	255	1.50	-
PK	5.468G	63.29	68.20	-4.91	5.41	3	V	255	1.50	-
PK	5.574G	124.57	Inf	-Inf	5.97	3	V	255	1.50	-
PK	5.812G	67.96	68.20	-0.24	6.47	3	V	255	1.50	-
PK	5.459G	62.61	74.00	-11.39	5.36	3	V	255	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5580MHz_TX

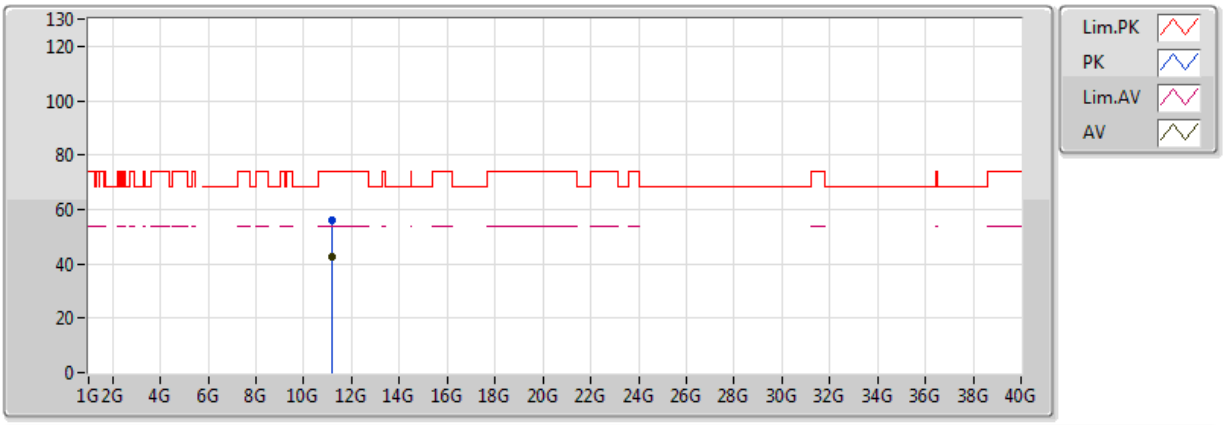


20170606
EUT Z_4TX
Setting 83
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15848G	42.69	54.00	-11.31	15.67	3	V	136	1.60	-
PK	11.1641G	56.19	74.00	-17.81	15.68	3	V	136	1.60	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5580MHz_TX

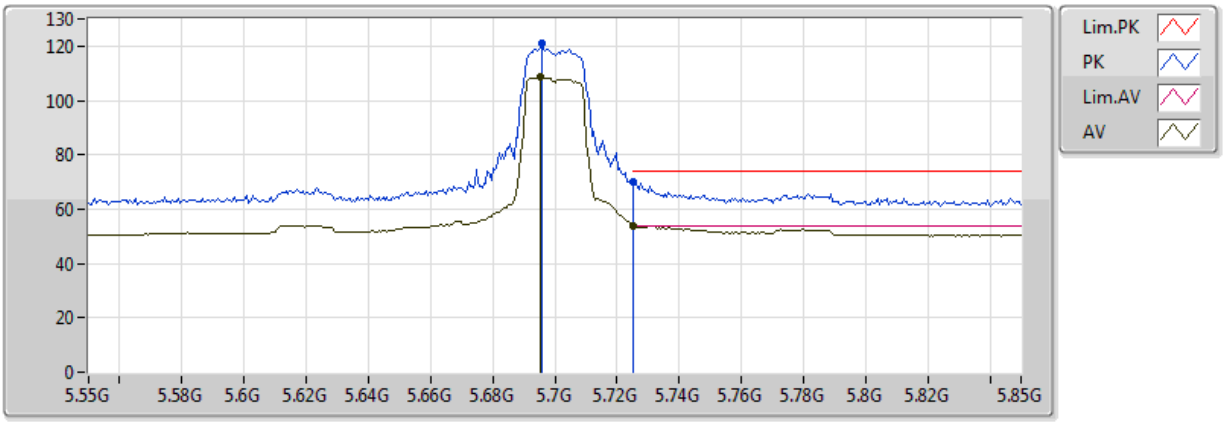


20170606
EUT Z_4TX
Setting 83
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15654G	42.31	54.00	-11.69	15.67	3	H	11	2.03	-
PK	11.16102G	56.05	74.00	-17.95	15.67	3	H	11	2.03	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5700MHz_TX

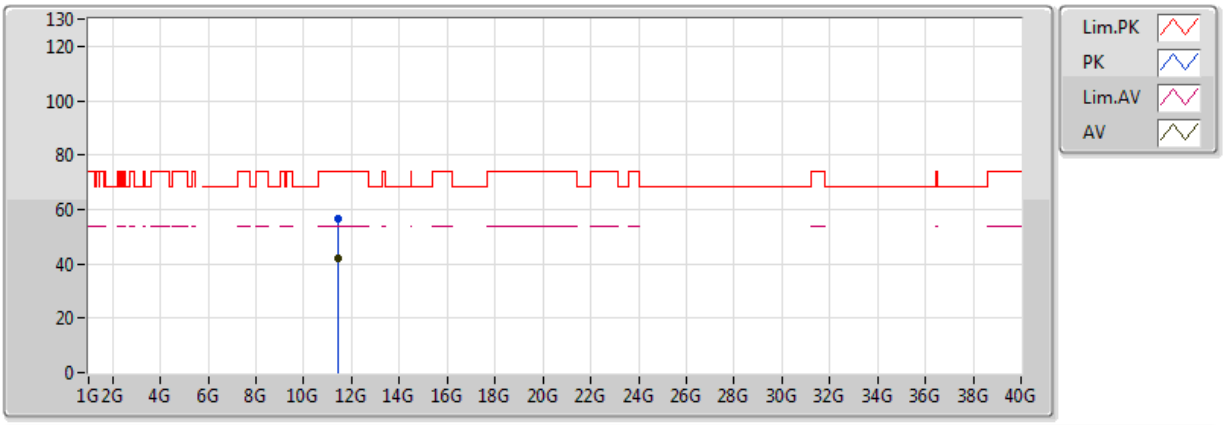


20170606
EUT Z_4TX
Setting 60
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6952G	108.50	Inf	-Inf	6.24	3	V	282	1.82	-
AV	5.7252G	53.97	54.00	-0.03	6.29	3	V	282	1.82	-
PK	5.6958G	121.15	Inf	-Inf	6.24	3	V	282	1.82	-
PK	5.7252G	69.98	74.00	-4.02	6.29	3	V	282	1.82	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5700MHz_TX

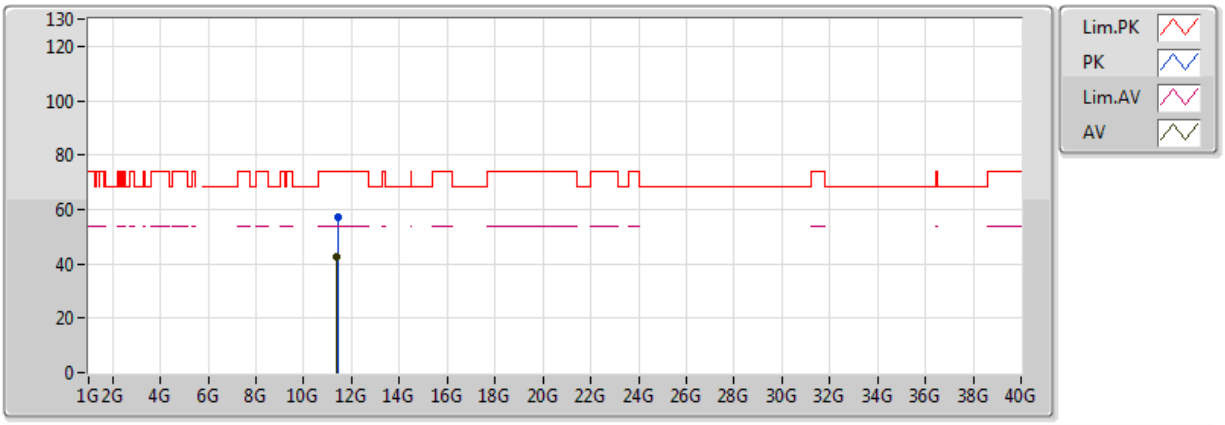


20170606
EUT Z_4TX
Setting 60
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.40262G	42.27	54.00	-11.73	15.79	3	V	170	1.71	-
PK	11.40292G	56.54	74.00	-17.46	15.79	3	V	170	1.71	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5700MHz_TX

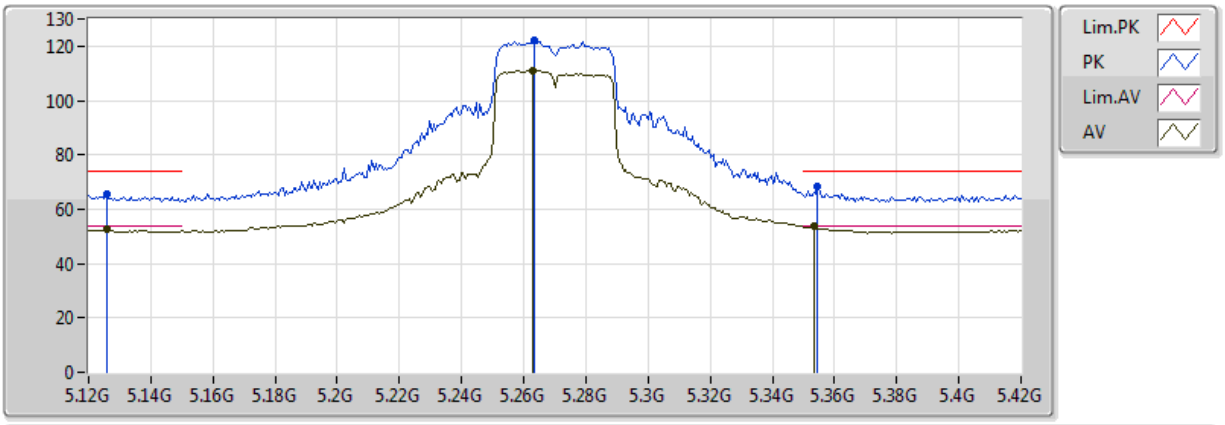


20170606
EUT Z_4TX
Setting 60
04-J-6
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.40176G	42.75	54.00	-11.25	15.78	3	H	297	1.68	-
PK	11.40318G	56.94	74.00	-17.06	15.79	3	H	297	1.68	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5270MHz_TX

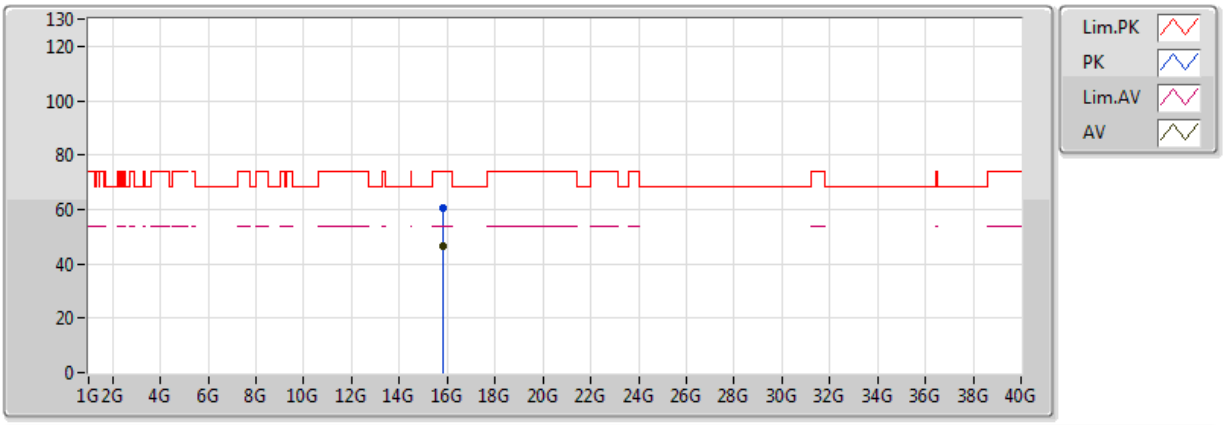


20170607
EUT Z_4TX
Setting 87
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.126G	52.45	54.00	-1.55	4.56	3	V	3	1.50	-
AV	5.2628G	111.09	Inf	-Inf	4.92	3	V	3	1.50	-
AV	5.3534G	53.67	54.00	-0.33	5.03	3	V	3	1.50	-
PK	5.126G	65.42	74.00	-8.58	4.56	3	V	3	1.50	-
PK	5.2634G	122.14	Inf	-Inf	4.92	3	V	3	1.50	-
PK	5.3546G	68.20	74.00	-5.80	5.03	3	V	3	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5270MHz_TX

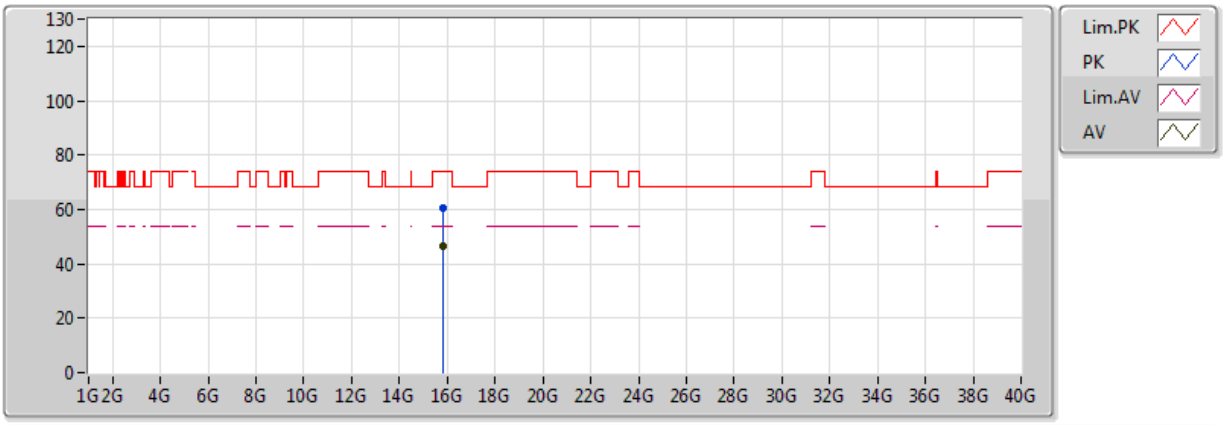


20170607
EUT Z_4TX
Setting 87
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.80718G	46.23	54.00	-7.77	17.02	3	V	93	1.76	-
PK	15.8066G	60.24	74.00	-13.76	17.02	3	V	93	1.76	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5270MHz_TX

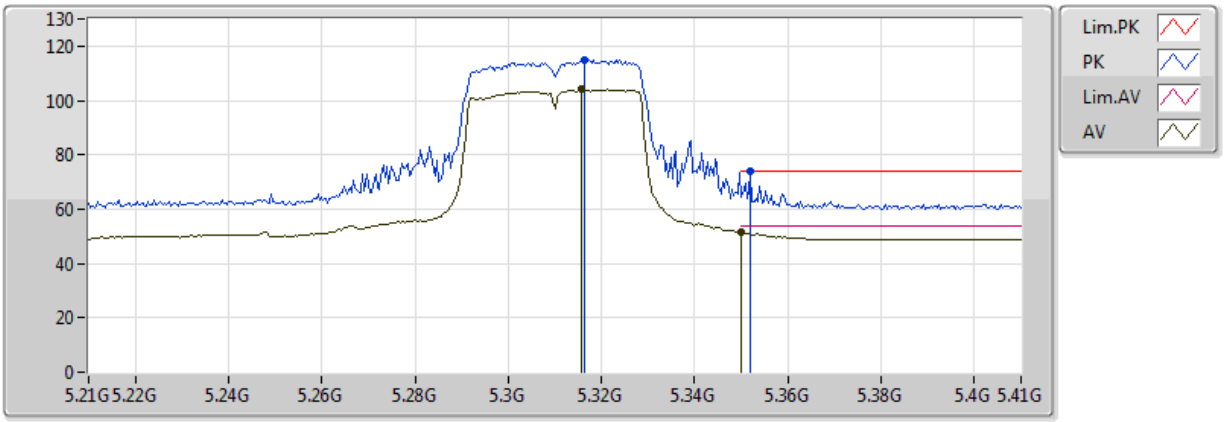


20170607
EUT Z_4TX
Setting 87
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.80732G	46.27	54.00	-7.73	17.02	3	H	199	1.77	-
PK	15.81374G	60.26	74.00	-13.74	17.02	3	H	199	1.77	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5310MHz_TX

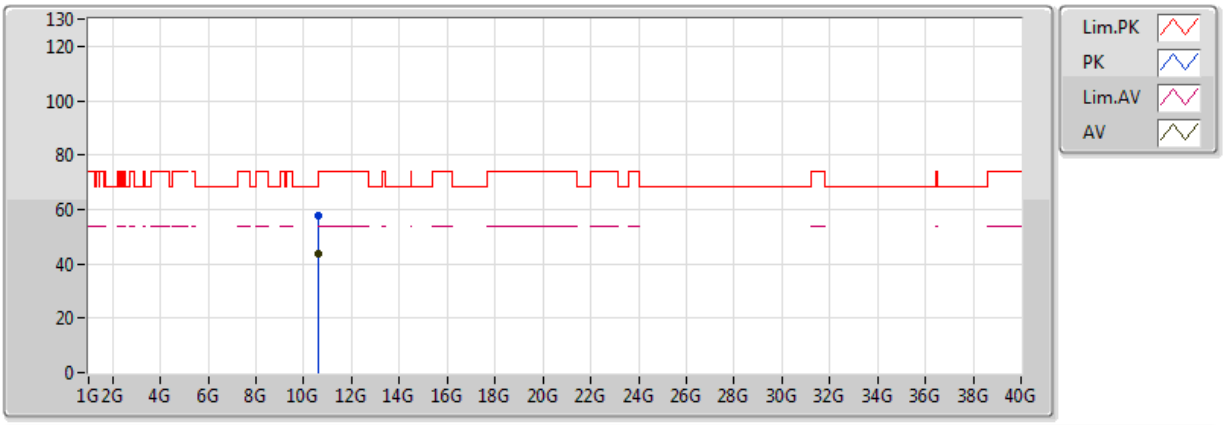


20170607
EUT Z_4TX
Setting 69
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3156G	104.25	Inf	-Inf	4.99	3	V	321	1.97	-
AV	5.350005G	51.29	54.00	-2.71	5.03	3	V	321	1.97	-
PK	5.3164G	115.04	Inf	-Inf	4.99	3	V	321	1.97	-
PK	5.352G	73.78	74.00	-0.22	5.03	3	V	321	1.97	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5310MHz_TX

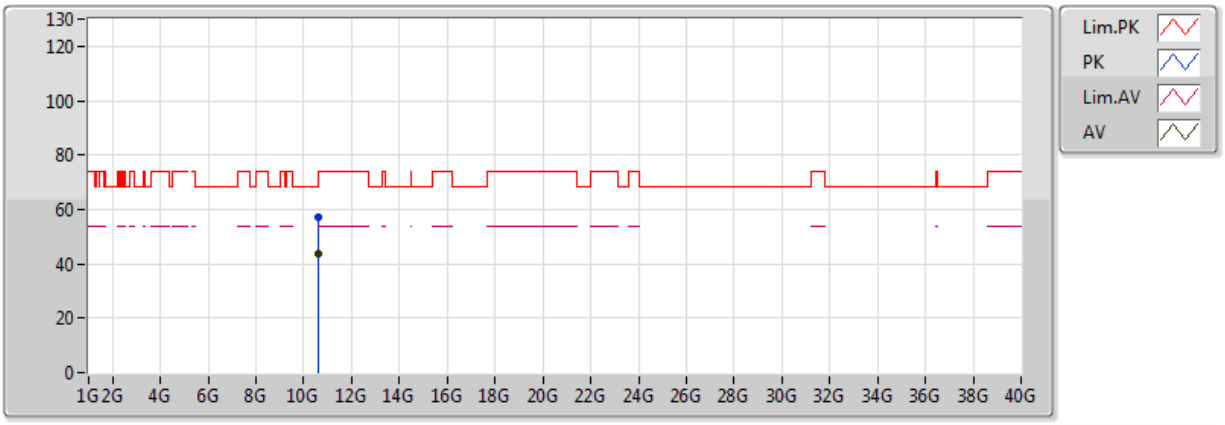


20170607
EUT Z_4TX
Setting 69
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6235G	43.79	54.00	-10.21	14.95	3	V	71	1.18	-
PK	10.62092G	57.93	74.00	-16.07	14.95	3	V	71	1.18	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5310MHz_TX

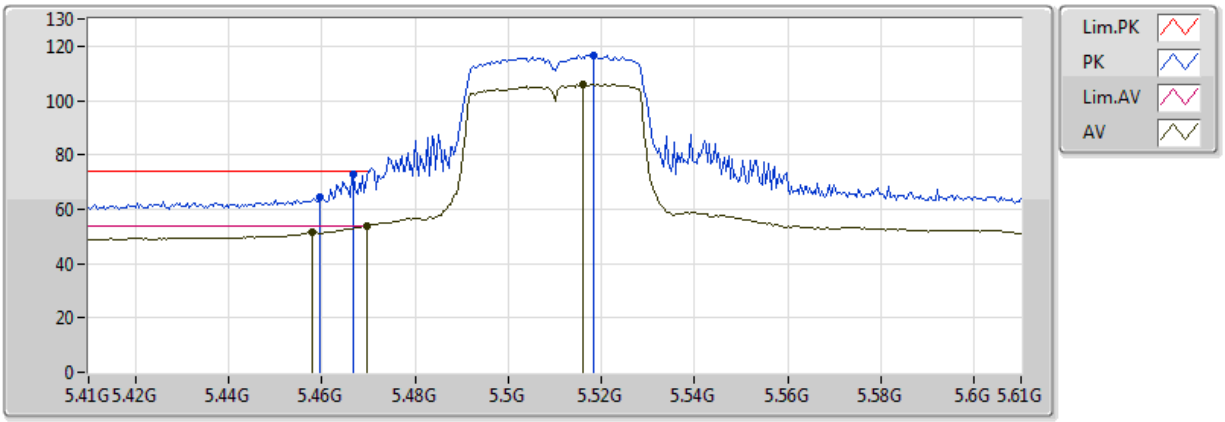


20170607
EUT Z_4TX
Setting 69
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.61698G	43.55	54.00	-10.45	14.94	3	H	65	1.27	-
PK	10.62232G	57.32	74.00	-16.68	14.95	3	H	65	1.27	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5510MHz_TX

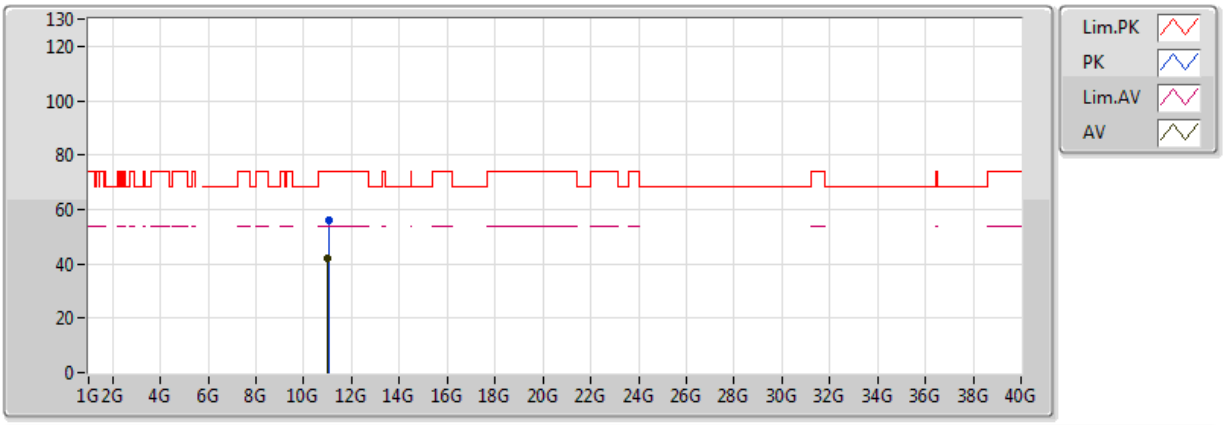


20170607
EUT Z_4TX
Setting 58
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	51.73	54.00	-2.27	5.36	3	V	0	1.95	-
AV	5.4696G	53.81	54.00	-0.19	5.41	3	V	0	1.95	-
AV	5.516G	105.81	Inf	-Inf	5.65	3	V	0	1.95	-
PK	5.4596G	64.61	74.00	-9.39	5.37	3	V	0	1.95	-
PK	5.4668G	73.06	74.00	-0.94	5.40	3	V	0	1.95	-
PK	5.5184G	116.58	Inf	-Inf	5.66	3	V	0	1.95	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5510MHz_TX

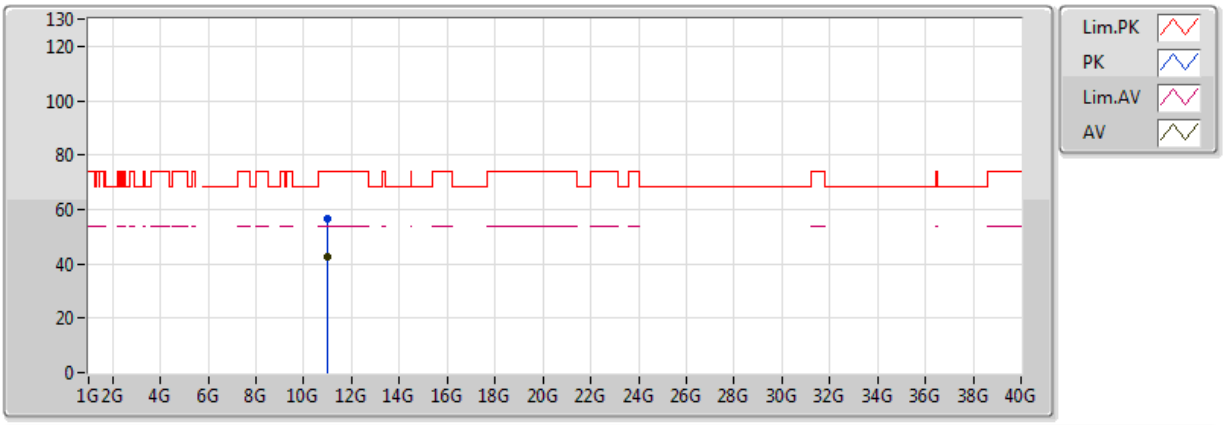


20170607
EUT Z_4TX
Setting 58
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.01598G	42.30	54.00	-11.70	15.61	3	V	203	1.66	-
PK	11.02398G	56.02	74.00	-17.98	15.61	3	V	203	1.66	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5510MHz_TX

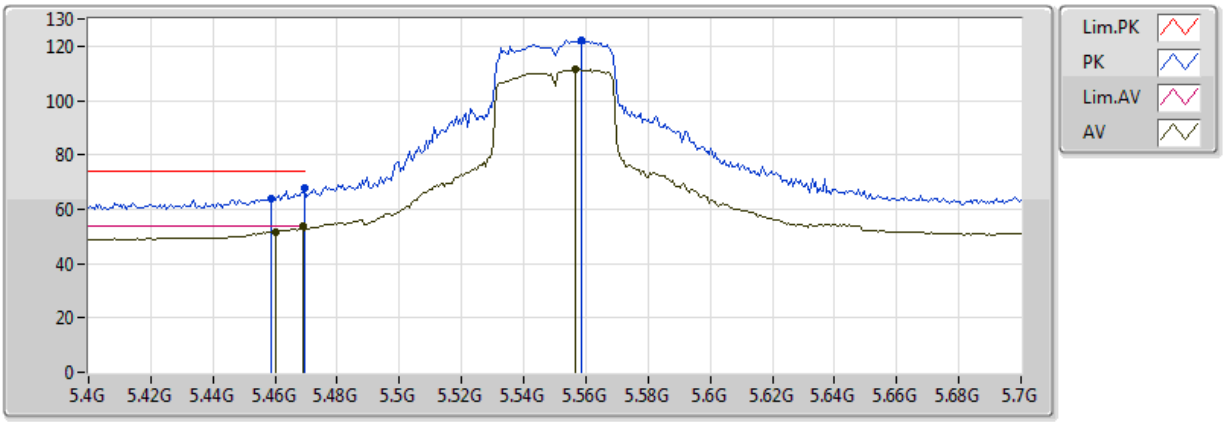


20170607
EUT Z_4TX
Setting 58
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.01734G	42.77	54.00	-11.23	15.61	3	H	325	1.13	-
PK	11.01518G	56.82	74.00	-17.18	15.61	3	H	325	1.13	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5550MHz_TX

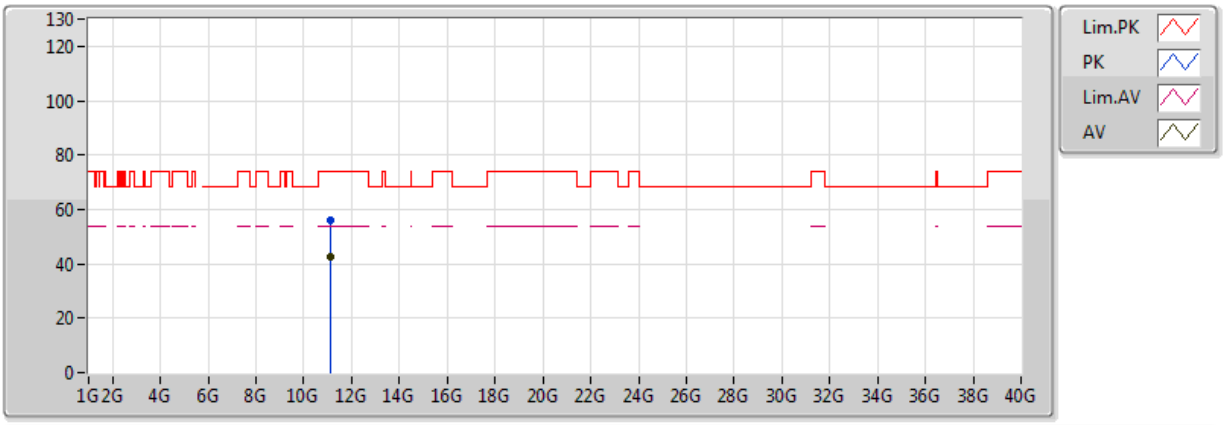


20170607
EUT Z_4TX
Setting 78
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	51.69	54.00	-2.31	5.37	3	V	145	1.81	-
AV	5.469G	53.64	54.00	-0.36	5.41	3	V	145	1.81	-
AV	5.5566G	111.49	Inf	-Inf	5.88	3	V	145	1.81	-
PK	5.4588G	64.02	74.00	-9.98	5.36	3	V	145	1.81	-
PK	5.4696G	67.85	74.00	-6.15	5.41	3	V	145	1.81	-
PK	5.5584G	122.31	Inf	-Inf	5.89	3	V	145	1.81	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5550MHz_TX

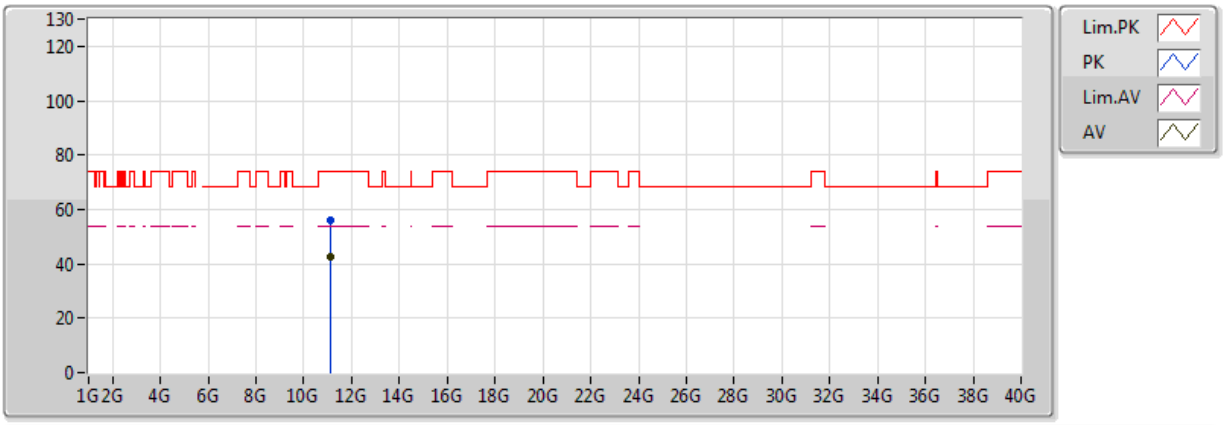


20170607
EUT Z_4TX
Setting 78
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.1006G	42.31	54.00	-11.69	15.65	3	V	252	2.17	-
PK	11.10416G	56.23	74.00	-17.77	15.65	3	V	252	2.17	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5550MHz_TX

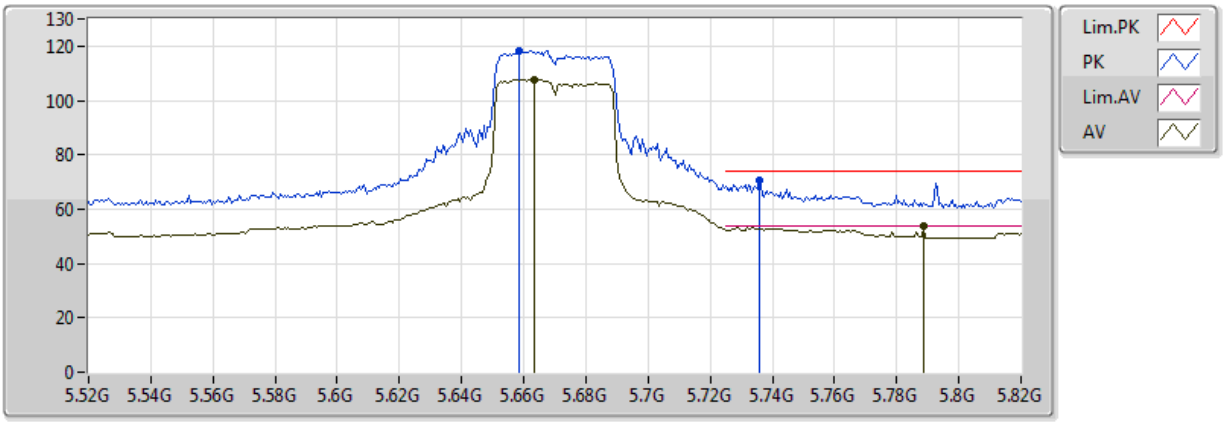


20170607
EUT Z_4TX
Setting 78
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.10222G	42.66	54.00	-11.34	15.65	3	H	45	1.18	-
PK	11.10378G	56.26	74.00	-17.74	15.65	3	H	45	1.18	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5670MHz_TX

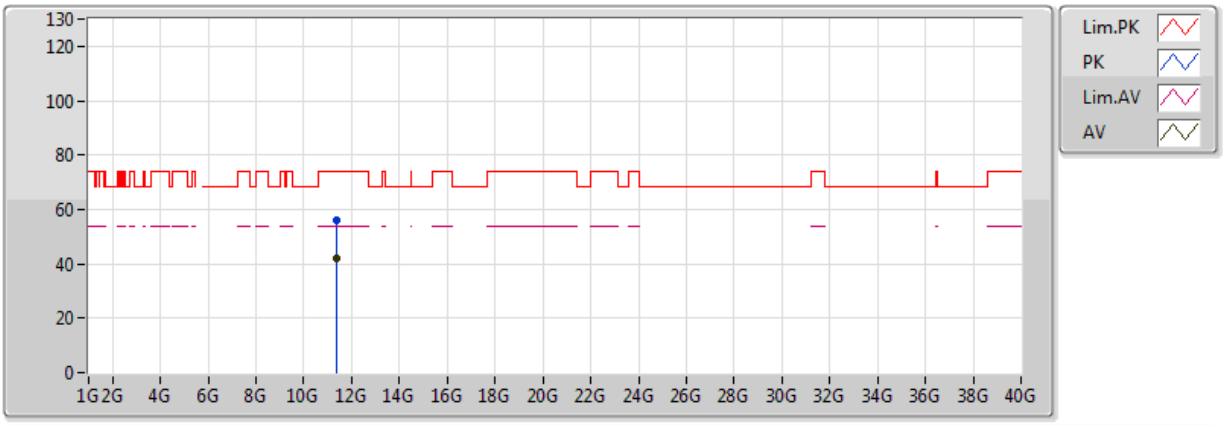


20170607
EUT Z_4TX
Setting 65
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6634G	107.84	Inf	-Inf	6.20	3	V	359	2.06	-
AV	5.7888G	53.71	54.00	-0.29	6.38	3	V	359	2.06	-
PK	5.6586G	118.13	Inf	-Inf	6.20	3	V	359	2.06	-
PK	5.736G	70.53	74.00	-3.47	6.30	3	V	359	2.06	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5670MHz_TX

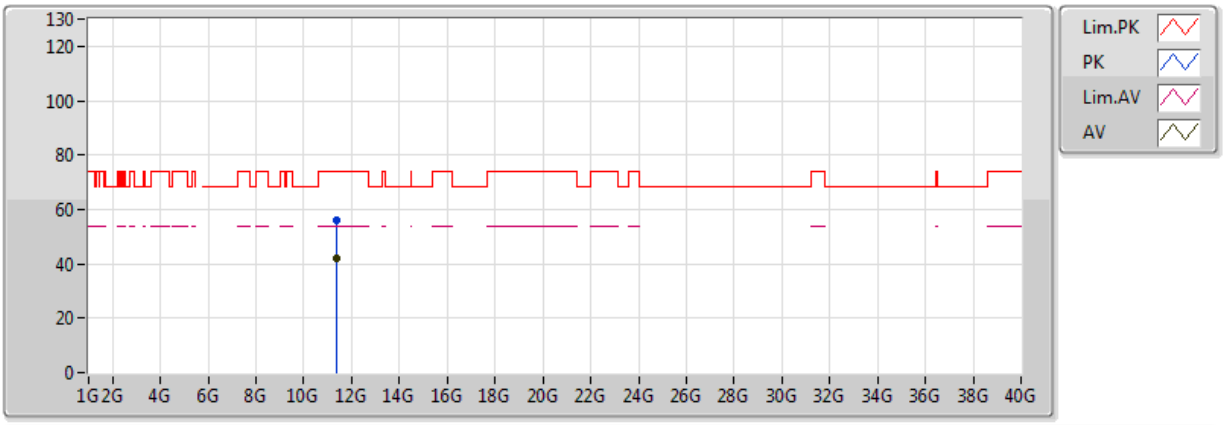


20170607
EUT Z_4TX
Setting 65
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.34484G	42.27	54.00	-11.73	15.76	3	V	218	1.39	-
PK	11.34224G	56.11	74.00	-17.89	15.76	3	V	218	1.39	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5670MHz_TX

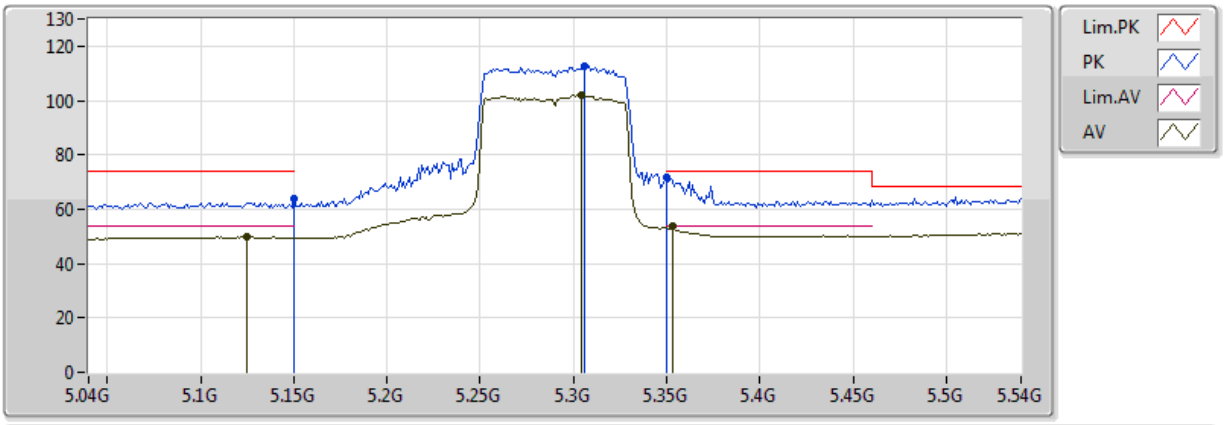


20170607
EUT Z_4TX
Setting 65
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.3441G	42.17	54.00	-11.83	15.76	3	H	36	2.37	-
PK	11.34262G	56.18	74.00	-17.82	15.76	3	H	36	2.37	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5290MHz_TX

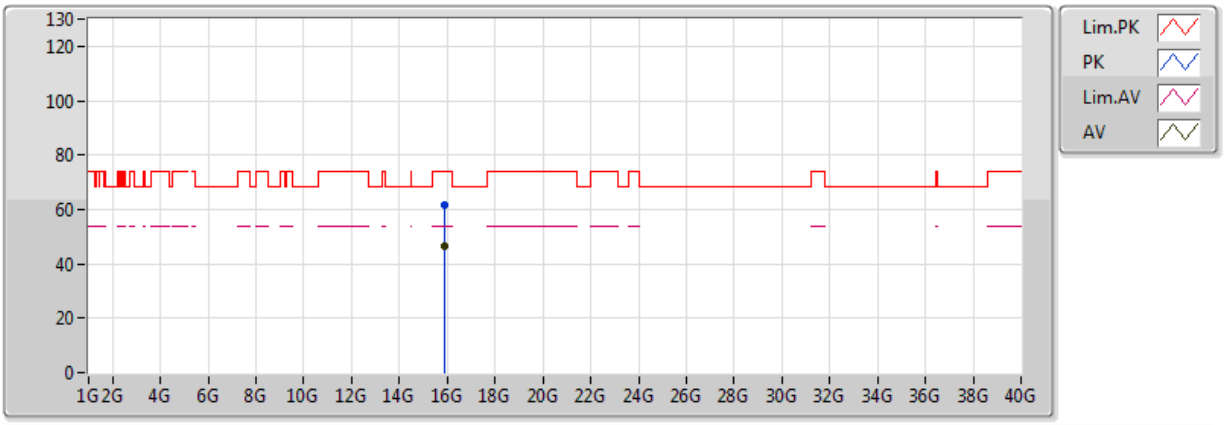


20170607
EUT Z_4TX
Setting 69
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.125G	49.78	54.00	-4.22	4.55	3	V	3	1.50	-
AV	5.304G	102.02	Inf	-Inf	4.97	3	V	3	1.50	-
AV	5.353G	53.67	54.00	-0.33	5.03	3	V	3	1.50	-
PK	5.149995G	63.72	74.00	-10.28	4.64	3	V	3	1.50	-
PK	5.306G	112.46	Inf	-Inf	4.98	3	V	3	1.50	-
PK	5.350005G	71.56	74.00	-2.44	5.03	3	V	3	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5290MHz_TX

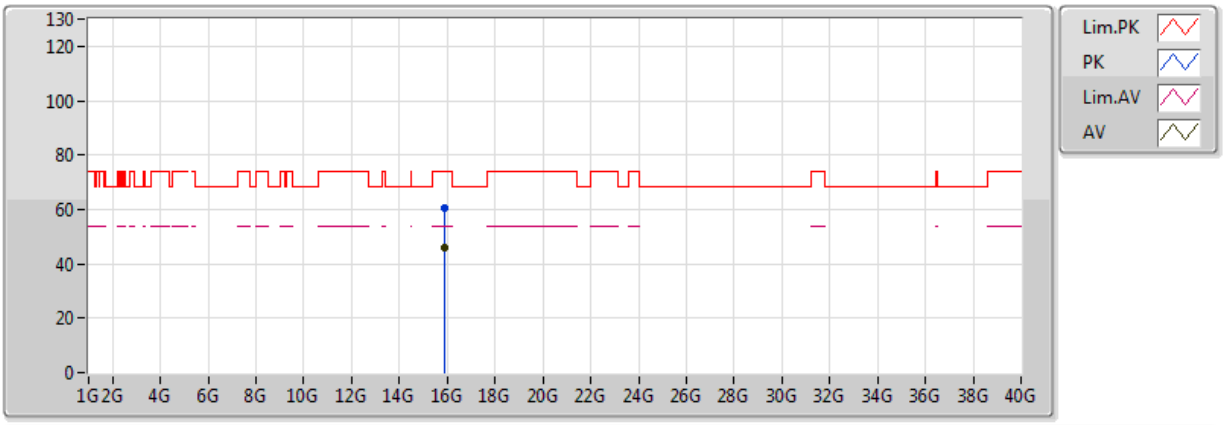


20170607
EUT Z_4TX
Setting 69
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.8662G	46.75	54.00	-7.25	16.98	3	V	173	1.16	-
PK	15.86512G	61.63	74.00	-12.37	16.98	3	V	173	1.16	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5290MHz_TX

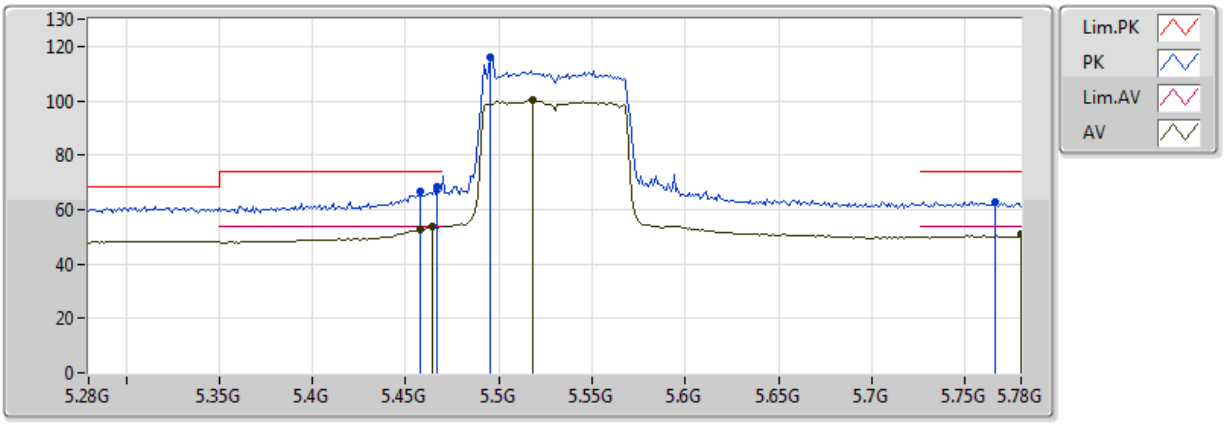


20170607
EUT Z_4TX
Setting 69
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.87434G	45.71	54.00	-8.29	16.97	3	H	268	1.53	-
PK	15.86604G	60.50	74.00	-13.50	16.98	3	H	268	1.53	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5530MHz_TX

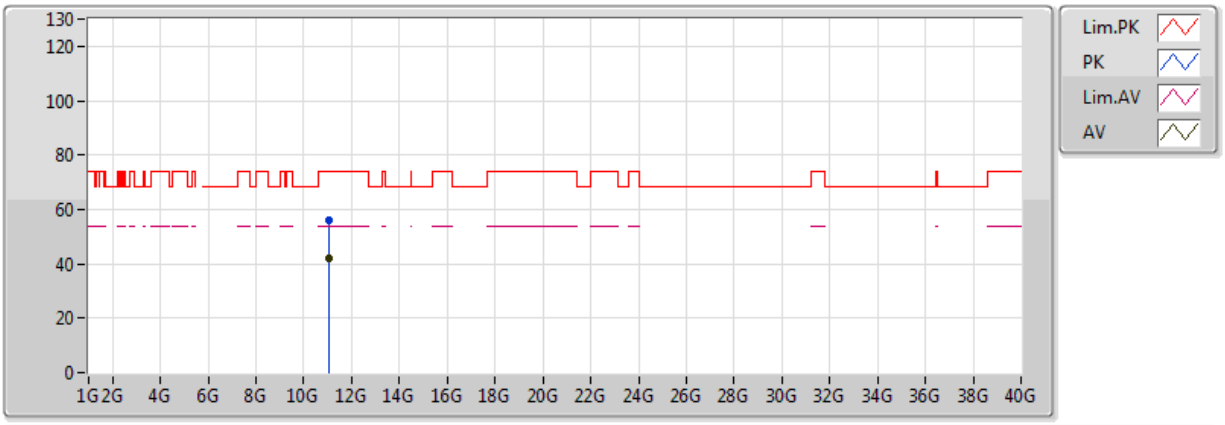


20170607
EUT Z_4TX
Setting 59
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	52.82	54.00	-1.18	5.36	3	V	288	1.72	-
AV	5.464G	53.77	54.00	-0.23	5.39	3	V	288	1.72	-
AV	5.518G	100.29	Inf	-Inf	5.66	3	V	288	1.72	-
AV	5.78G	51.17	54.00	-2.83	6.37	3	V	288	1.72	-
PK	5.467G	68.19	74.00	-5.81	5.40	3	V	288	1.72	-
PK	5.495G	116.00	Inf	-Inf	5.54	3	V	288	1.72	-
PK	5.766G	62.82	74.00	-11.18	6.35	3	V	288	1.72	-
PK	5.458G	66.43	74.00	-7.57	5.36	3	V	288	1.72	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5530MHz_TX

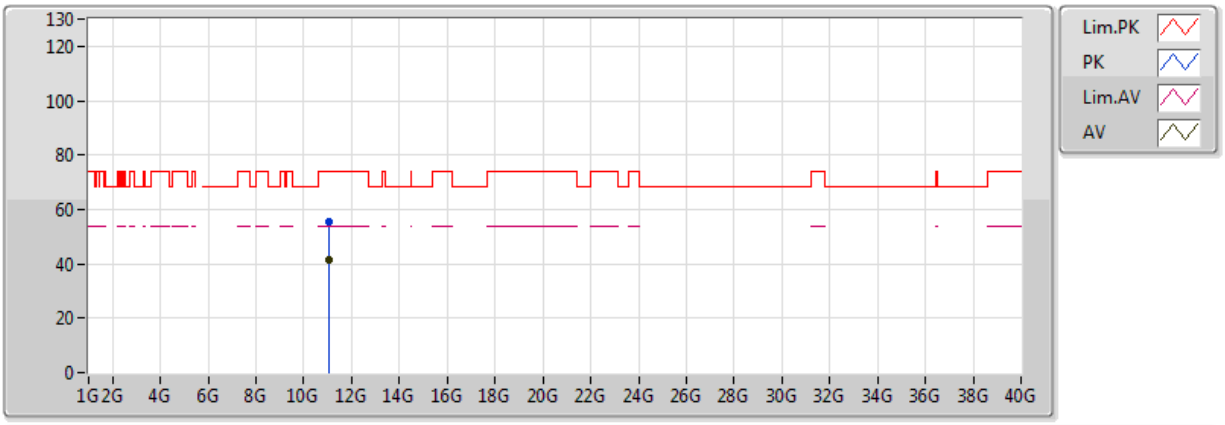


20170607
EUT Z_4TX
Setting 59
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.06364G	41.99	54.00	-12.01	15.63	3	V	279	1.54	-
PK	11.06476G	55.77	74.00	-18.23	15.63	3	V	279	1.54	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5530MHz_TX

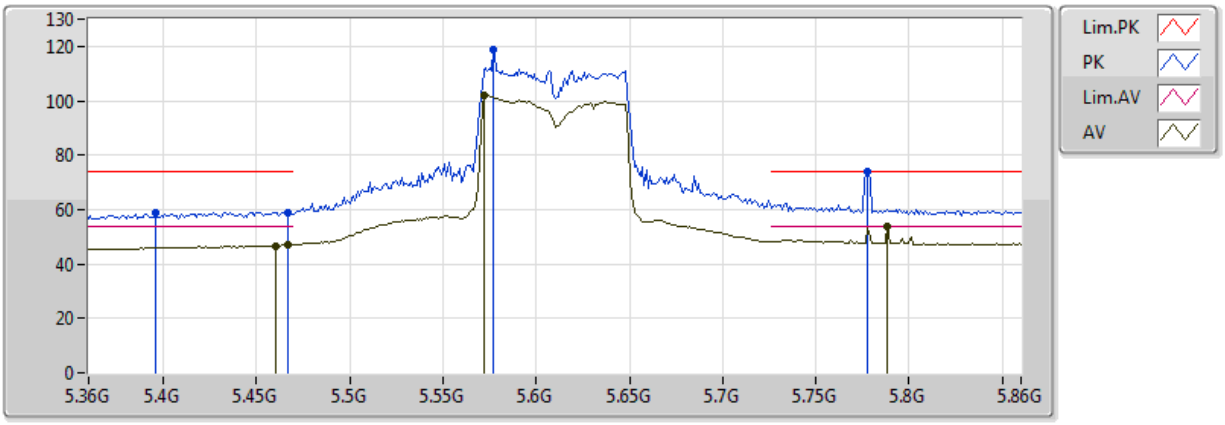


20170607
EUT Z_4TX
Setting 59
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.05556G	41.62	54.00	-12.38	15.63	3	H	87	1.91	-
PK	11.06314G	55.41	74.00	-18.59	15.63	3	H	87	1.91	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5610MHz_TX

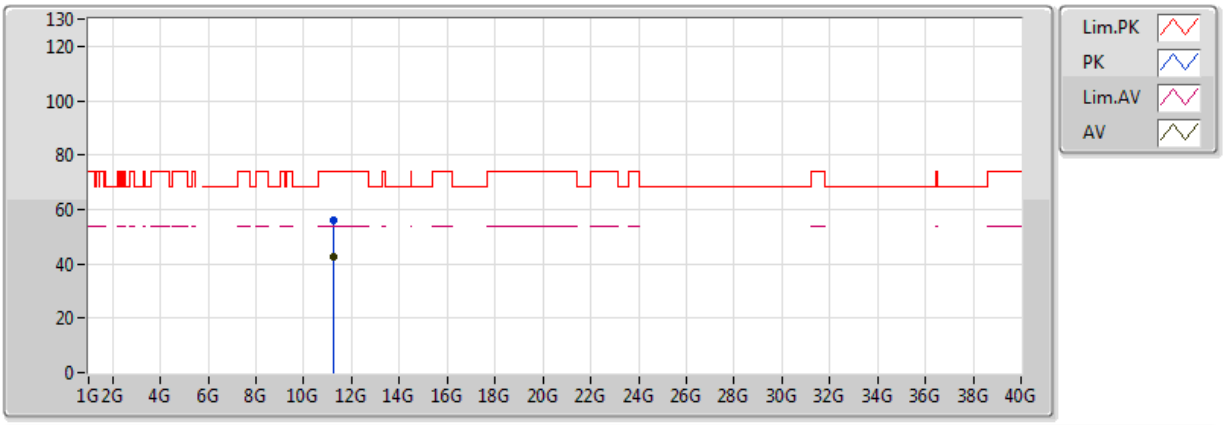


20170607
EUT Z_4TX
Setting 70
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	46.75	54.00	-7.25	5.37	3	V	252	1.49	-
AV	5.467G	47.11	54.00	-6.89	5.40	3	V	252	1.49	-
AV	5.572G	102.19	Inf	-Inf	5.96	3	V	252	1.49	-
AV	5.788G	53.95	54.00	-0.05	6.38	3	V	252	1.49	-
PK	5.396G	58.98	74.00	-15.02	5.08	3	V	252	1.49	-
PK	5.467G	59.05	74.00	-14.95	5.40	3	V	252	1.49	-
PK	5.577G	118.55	Inf	-Inf	5.99	3	V	252	1.49	-
PK	5.778G	73.97	74.00	-0.03	6.37	3	V	252	1.49	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5610MHz_TX

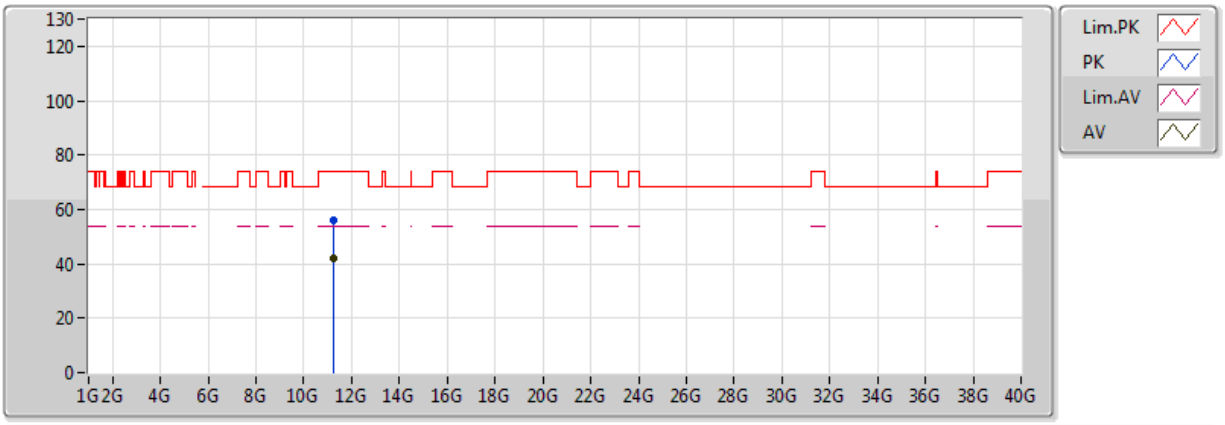


20170607
EUT Z_4TX
Setting 70
04-J-6-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.22336G	42.36	54.00	-11.64	15.70	3	V	152	1.92	-
PK	11.2181G	56.29	74.00	-17.71	15.70	3	V	152	1.92	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5610MHz_TX



20170607
EUT Z_4TX
Setting 70
04-J-6-10
FSP(100142)

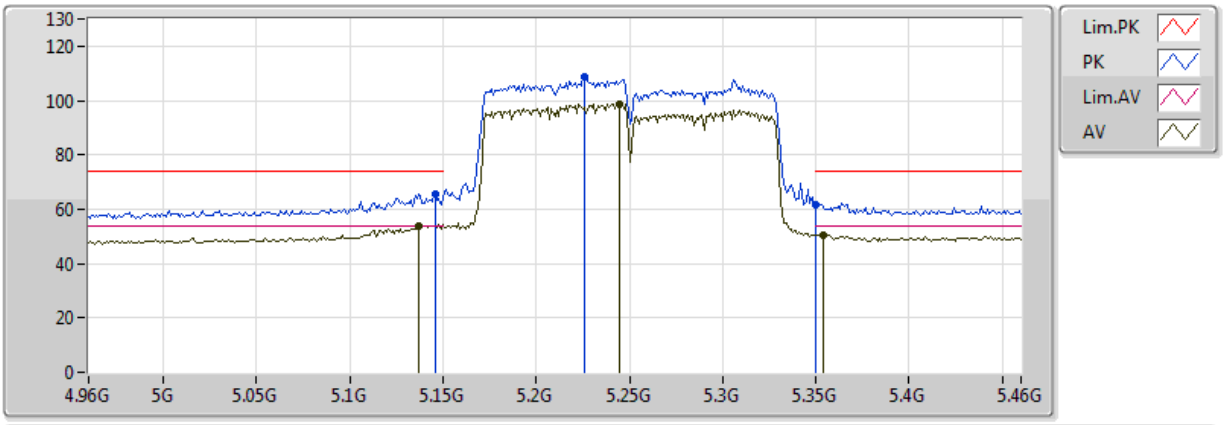
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.22248G	42.28	54.00	-11.72	15.70	3	H	136	1.71	-
PK	11.22308G	56.05	74.00	-17.95	15.70	3	H	136	1.71	-

802.11ac VHT80+80
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80+80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.137G	53.96	54.00	-0.04	4.60	3	V	3	1.50	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

#5210MHz,5290MHz_TX

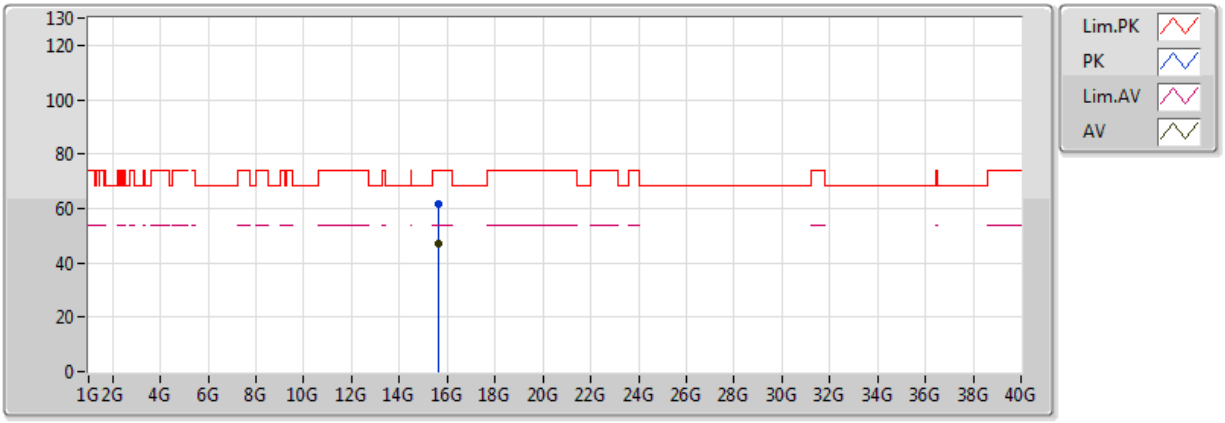


20170606
EUT Z_4TX
Setting 60
04-J-6-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.137G	53.96	54.00	-0.04	4.60	3	V	3	1.50	-
AV	5.245G	98.38	Inf	-Inf	4.89	3	V	3	1.50	-
AV	5.354G	50.25	54.00	-3.75	5.03	3	V	3	1.50	-
PK	5.146G	65.46	74.00	-8.54	4.63	3	V	3	1.50	-
PK	5.226G	108.71	Inf	-Inf	4.87	3	V	3	1.50	-
PK	5.350005G	61.82	74.00	-12.18	5.03	3	V	3	1.50	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

#5210MHz,5290MHz_TX

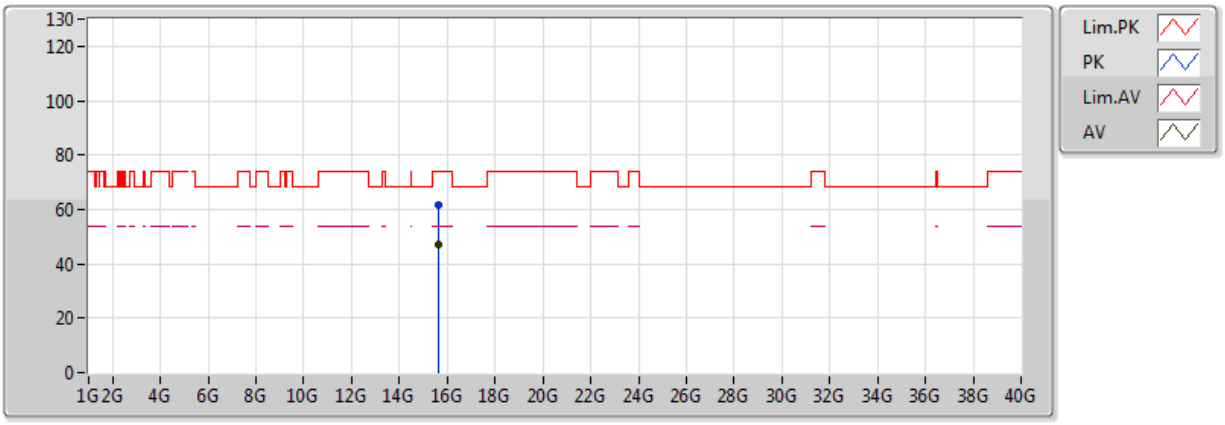


20170606
EUT Z_4TX
Setting 60
04-J-6
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.62984G	46.90	54.00	-7.10	17.16	3	V	120	1.65	-
PK	15.63408G	61.58	74.00	-12.42	17.16	3	V	120	1.65	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

#5210MHz,5290MHz_TX

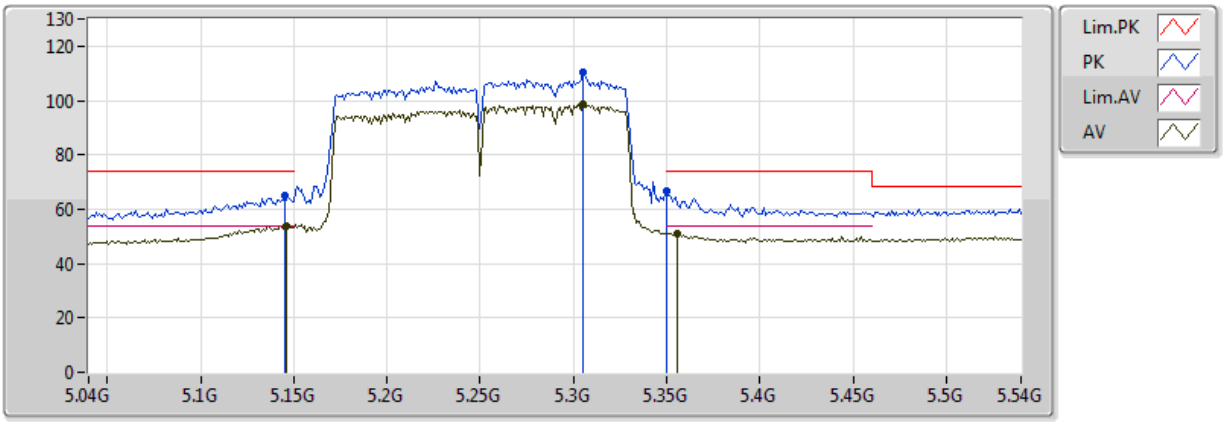


20170606
EUT Z_4TX
Setting 60
04-J-6
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6342G	47.06	54.00	-6.94	17.16	3	H	134	1.89	-
PK	15.62048G	61.46	74.00	-12.54	17.17	3	H	134	1.89	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

5210MHz,#5290MHz_TX

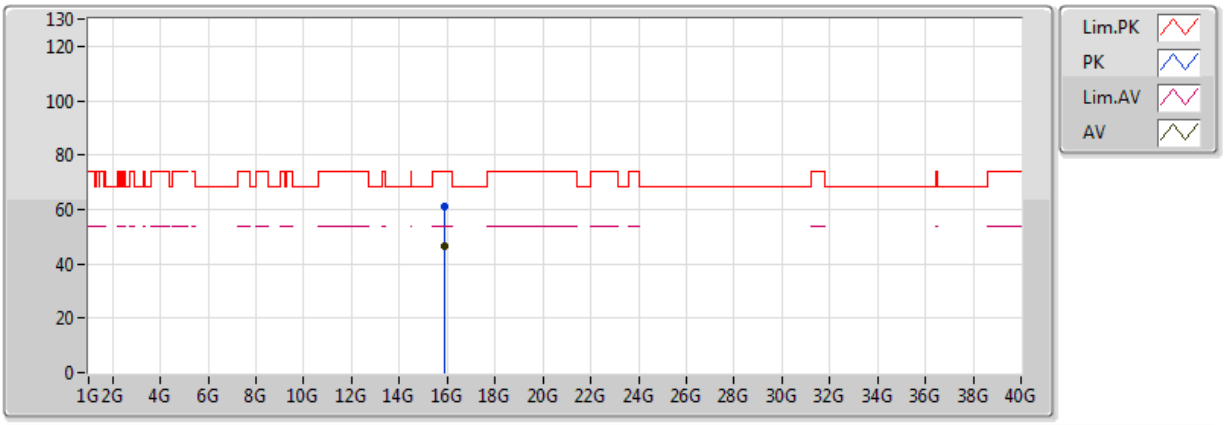


20170606
EUT Z_4TX
Setting 60
04-J-6-10
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	53.72	54.00	-0.28	4.63	3	V	97	1.92	-
AV	5.305G	98.57	Inf	-Inf	4.98	3	V	97	1.92	-
AV	5.356G	51.08	54.00	-2.92	5.03	3	V	97	1.92	-
PK	5.145G	65.05	74.00	-8.95	4.63	3	V	97	1.92	-
PK	5.305G	110.18	Inf	-Inf	4.98	3	V	97	1.92	-
PK	5.350005G	66.44	74.00	-7.56	5.03	3	V	97	1.92	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

5210MHz,#5290MHz_TX

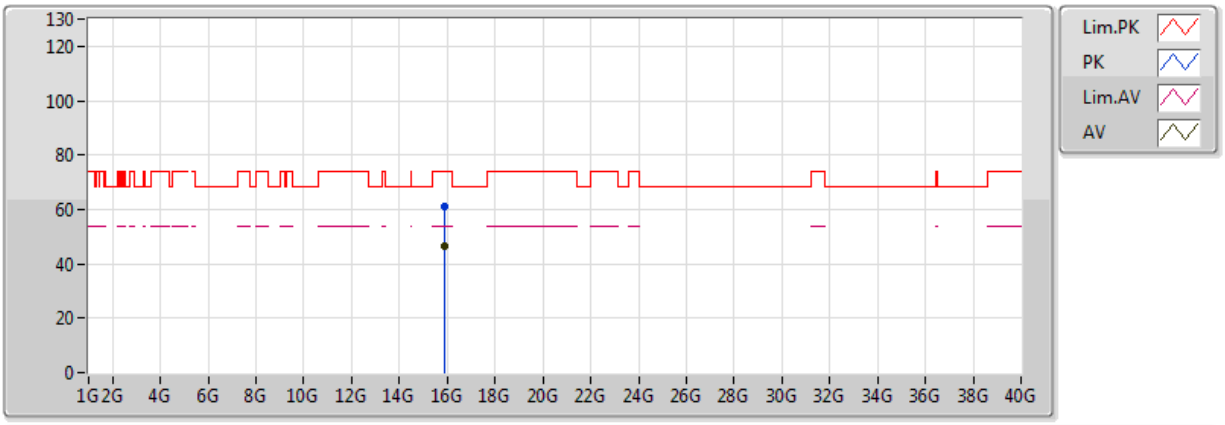


20170606
EUT Z_4TX
Setting 60
04-J-6
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.86594G	46.76	54.00	-7.24	16.98	3	V	360	1.92	-
PK	15.86958G	61.03	74.00	-12.97	16.97	3	V	360	1.92	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

5210MHz,#5290MHz_TX

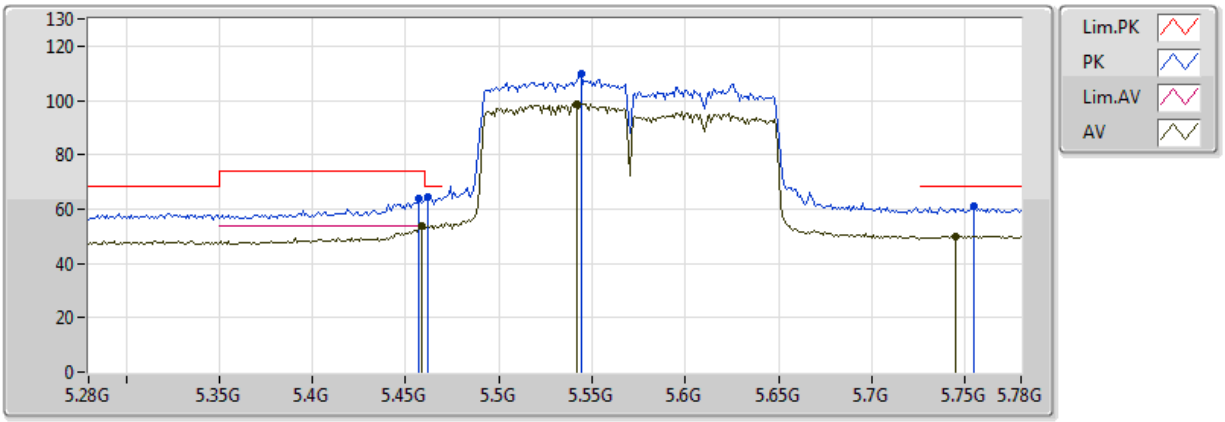


20170606
EUT Z_4TX
Setting 60
04-J-6
FSP(100142)
Radio 1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.86868G	46.77	54.00	-7.23	16.97	3	H	256	2.30	-
PK	15.87198G	60.90	74.00	-13.10	16.97	3	H	256	2.30	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

#5530MHz,5610MHz_TX

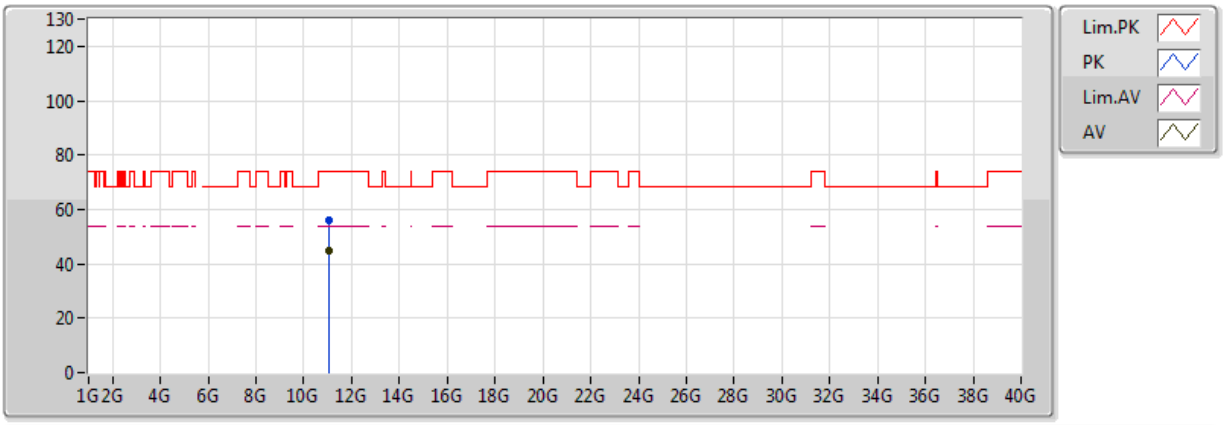


20170606
EUT Z_4TX
Setting 58
04-J-6-10
FSP(100142)
Radio 2

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	53.85	54.00	-0.15	5.36	3	V	4	2.01	-
AV	5.542G	98.66	Inf	-Inf	5.80	3	V	4	2.01	-
AV	5.745G	50.12	Inf	-Inf	6.32	3	V	4	2.01	-
PK	5.462G	64.61	68.20	-3.59	5.38	3	V	4	2.01	-
PK	5.544G	109.86	Inf	-Inf	5.81	3	V	4	2.01	-
PK	5.755G	61.01	68.20	-7.19	6.33	3	V	4	2.01	-
PK	5.457G	63.83	74.00	-10.17	5.35	3	V	4	2.01	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

#5530MHz,5610MHz_TX

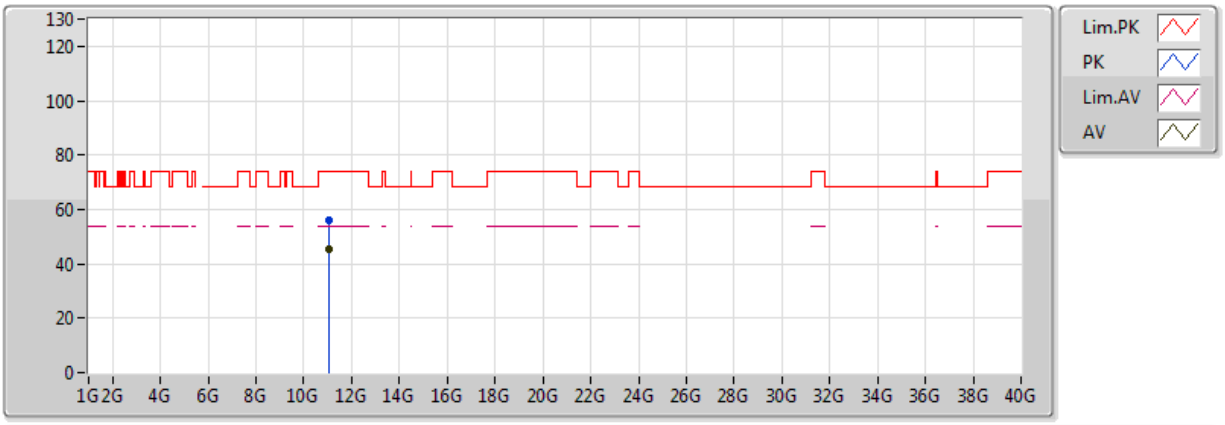


20170606
EUT Z_4TX
Setting 58
04-J-6
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.05592G	45.07	54.00	-8.93	15.63	3	V	125	1.69	-
PK	11.06392G	56.15	74.00	-17.85	15.63	3	V	125	1.69	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

#5530MHz,5610MHz_TX

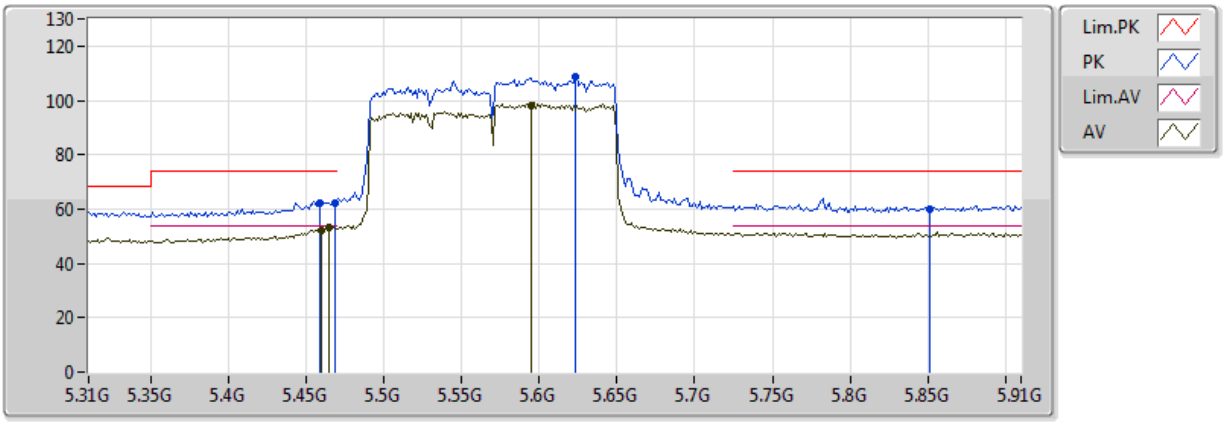


20170606
EUT Z_4TX
Setting 58
04-J-6
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.05726G	45.12	54.00	-8.88	15.63	3	H	270	1.85	-
PK	11.06496G	55.94	74.00	-18.06	15.63	3	H	270	1.85	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

5530MHz,#5610MHz_TX

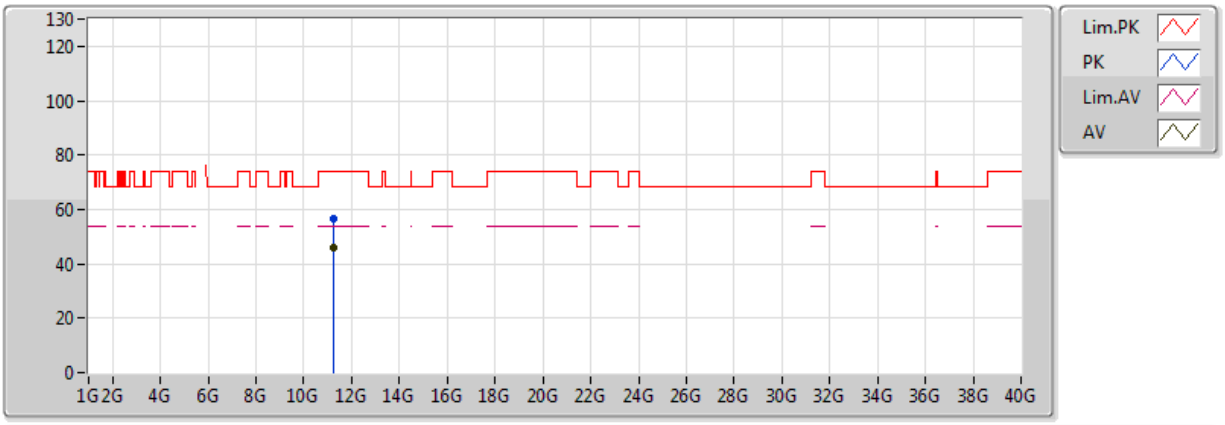


20170606
EUT Z_4TX
Setting 58
04-J-6-10
FSP(100142)
Radio 2

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	52.15	54.00	-1.85	5.98	3	V	286	1.74	-
AV	5.4648G	53.51	54.00	-0.49	6.00	3	V	286	1.74	-
AV	5.5944G	98.34	Inf	-Inf	6.75	3	V	286	1.74	-
PK	5.4588G	62.04	74.00	-11.96	5.97	3	V	286	1.74	-
PK	5.4684G	62.36	74.00	-11.64	6.01	3	V	286	1.74	-
PK	5.6232G	108.83	Inf	-Inf	6.82	3	V	286	1.74	-
PK	5.8512G	59.99	119.46	-59.47	7.51	3	V	286	1.74	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

5530MHz,#5610MHz_TX

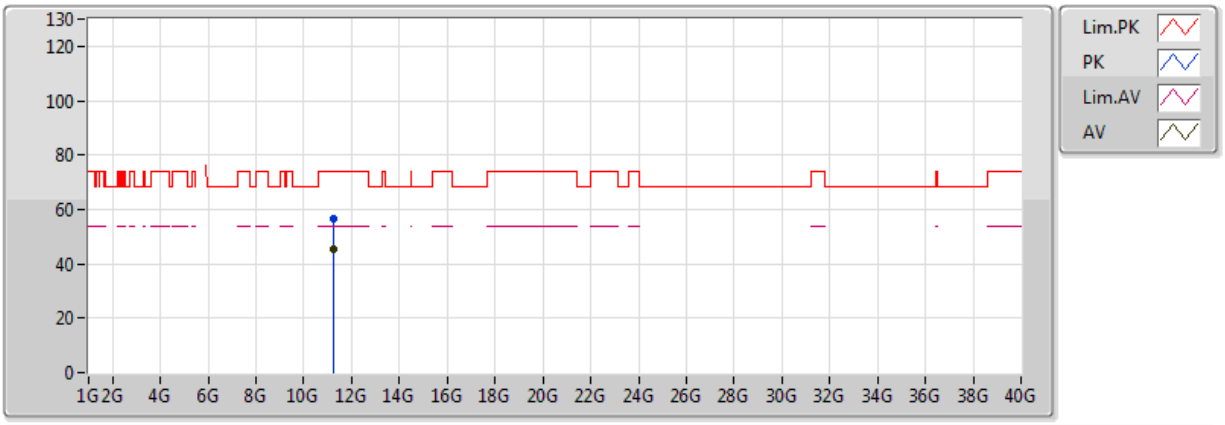


20170606
EUT Z_4TX
Setting 58
04-J-6
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.21718G	45.72	54.00	-8.28	15.70	3	V	147	2.01	-
PK	11.22366G	56.80	74.00	-17.20	15.70	3	V	147	2.01	-

802.11ac VHT80+80_Nss1,(MCS0)_4TX

5530MHz,#5610MHz_TX



20170606
EUT Z_4TX
Setting 58
04-J-6
FSP(100142)
Radio 2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.22226G	45.61	54.00	-8.39	15.70	3	H	233	2.44	-
PK	11.22298G	56.58	74.00	-17.42	15.70	3	H	233	2.44	-

Mode: 20 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9648	5299.9646	5299.9642	5299.9638
110.00	5299.9641	5299.9632	5299.9631	5299.9627
93.50	5299.9633	5299.9624	5299.9618	5299.9614
Max. Deviation (MHz)	0.0367	0.0376	0.0382	0.0386
Max. Deviation (ppm)	6.92	7.09	7.21	7.28
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5299.9613	5299.9611	5299.9602	5299.9595
10	5299.9624	5299.9616	5299.9607	5299.9602
20	5299.9641	5299.9631	5299.9627	5299.9620
30	5299.9959	5299.9952	5299.9951	5299.9947
40	5299.9966	5299.9963	5299.9956	5299.9948
Max. Deviation (MHz)	0.0425	0.0435	0.0438	0.0446
Max. Deviation (ppm)	8.02	8.21	8.26	8.42
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9642	5579.9639	5579.9637	5579.9629
110.00	5579.9641	5579.9640	5579.9639	5579.9630
93.50	5579.9637	5579.9635	5579.9629	5579.9620
Max. Deviation (MHz)	0.0363	0.0365	0.0371	0.0380
Max. Deviation (ppm)	6.51	6.54	6.65	6.81
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5579.9625	5579.9616	5579.9610	5579.9603
10	5579.9627	5579.9623	5579.9617	5579.9616
20	5579.9641	5579.9639	5579.9629	5579.9620
30	5579.9959	5579.9952	5579.9947	5579.9945
40	5579.9966	5579.9959	5579.9954	5579.9953
Max. Deviation (MHz)	0.0408	0.0415	0.0422	0.0432
Max. Deviation (ppm)	7.31	7.44	7.56	7.74
Result	Pass			

Mode: 40 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9646	5309.9642	5309.9636	5309.9631
110.00	5309.9641	5309.9632	5309.9627	5309.9626
93.50	5309.9639	5309.9638	5309.9634	5309.9630
Max. Deviation (MHz)	0.0361	0.0368	0.0373	0.0374
Max. Deviation (ppm)	6.80	6.93	7.02	7.04
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5309.9625	5309.9616	5309.9611	5309.9608
10	5309.9633	5309.9631	5309.9628	5309.9621
20	5309.9641	5309.9634	5309.9624	5309.9617
30	5309.9959	5309.9955	5309.9954	5309.9947
40	5309.9975	5309.9969	5309.9964	5309.9955
Max. Deviation (MHz)	0.0391	0.0401	0.0407	0.0412
Max. Deviation (ppm)	7.36	7.55	7.66	7.76
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9648	5549.9646	5549.9637	5549.9636
110.00	5549.9641	5549.9632	5549.9622	5549.9620
93.50	5549.9638	5549.9632	5549.9624	5549.9619
Max. Deviation (MHz)	0.0362	0.0368	0.0378	0.0381
Max. Deviation (ppm)	6.52	6.63	6.81	6.86
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5549.9617	5549.9609	5549.9604	5549.9600
10	5549.9630	5549.9621	5549.9617	5549.9615
20	5549.9641	5549.9635	5549.9627	5549.9620
30	5549.9959	5549.9951	5549.9946	5549.9936
40	5549.9967	5549.9959	5549.9949	5549.9948
Max. Deviation (MHz)	0.0424	0.0433	0.0437	0.0443
Max. Deviation (ppm)	7.64	7.80	7.87	7.98
Result	Pass			

Mode: 80 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9650	5289.9647	5289.9637	5289.9631
110.00	5289.9641	5289.9632	5289.9628	5289.9624
93.50	5289.9638	5289.9634	5289.9632	5289.9627
Max. Deviation (MHz)	0.0362	0.0368	0.0372	0.0376
Max. Deviation (ppm)	6.84	6.96	7.03	7.11
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5289.9606	5289.9603	5289.9597	5289.9595
10	5289.9624	5289.9622	5289.9614	5289.9606
20	5289.9641	5289.9634	5289.9633	5289.9628
30	5289.9959	5289.9949	5289.9939	5289.9935
40	5289.9961	5289.9952	5289.9944	5289.9943
Max. Deviation (MHz)	0.0435	0.0438	0.0447	0.0455
Max. Deviation (ppm)	8.22	8.28	8.45	8.60
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9643	5529.9634	5529.9632	5529.9625
110.00	5529.9641	5529.9634	5529.9625	5529.9622
93.50	5529.9639	5529.9637	5529.9628	5529.9622
Max. Deviation (MHz)	0.0361	0.0366	0.0375	0.0378
Max. Deviation (ppm)	6.53	6.62	6.78	6.84
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5529.9631	5529.9621	5529.9612	5529.9606
10	5529.9635	5529.9625	5529.9624	5529.9619
20	5529.9641	5529.9637	5529.9629	5529.9619
30	5529.9959	5529.9953	5529.9949	5529.9945
40	5529.9967	5529.9964	5529.9958	5529.9957
50	5529.9631	5529.9621	5529.9612	5529.9606
Max. Deviation (MHz)	0.0411	0.0420	0.0425	0.0435
Max. Deviation (ppm)	7.43	7.59	7.69	7.87
Result	Pass			