FCC Test Report

Equipment	:	MAX-STREAM AC5400 MU-MIMO Tri-Band Router
Brand Name	:	LINKSYS
Model No.	:	EA9500 V2, EA9400 V2, EA9500S
FCC ID	:	Q87-EA9500V2
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5150 MHz – 5250 MHz 5725 MHz – 5850 MHz
Applicant	:	Linksys LLC 121 Theory Drive Irvine, CA 92617
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☐ Client

The product sample received on Mar. 07, 2017 and completely tested on Apr. 20, 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**
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR730736AB	Rev. 01	Initial issue of report	May 16, 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]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
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
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	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 and 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 Antenna Information

Ant.	Chain	Port	Brand	Part No.	Antenna Type	Connector	Gain (dBi)
1	1	1	ARISTOTLE	RFA-52-F90-11-9597	Dipole	I-PEX	Note
2	2	2	ARISTOTLE	RFA-52-F90-21-9597	Dipole	I-PEX	
3	3	3	ARISTOTLE	RFA-52-F90-31-9597	Dipole	I-PEX	
4	4	4	ARISTOTLE	RFA-52-F90-41-9597	Dipole	I-PEX	
5	5	1	ARISTOTLE	RFA-05-F90-1-9597	Dipole	I-PEX	
6	6	2	ARISTOTLE	RFA-05-F90-2-9597	Dipole	I-PEX	
7	7	3	ARISTOTLE	RFA-05-F90-31-9597	Dipole	I-PEX	
8	8	4	ARISTOTLE	RFA-05-F90-4-9597	Dipole	I-PEX	
9	9	1	arcadyan	WG9117BAC44-88	Dipole	I-PEX	

Note:

Chain / Band	2.4GHz WLAN (dBi)	5GHz Band 1 (dBi)	5GHz Band 4 (dBi)	Bluetooth (dBi)
1	1.64	2.64	-	-
2	1.75	2.42	-	-
3	1.72	2.50	-	-
4	1.59	2.51	-	-
5	-	-	2.64	-
6	-	-	1.88	-
7	-	-	2.86	-
8	-	-	1.18	-
9	-	-	-	2.14

Note: **For 2.4GHz function:**

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

Chain1 (Port 1), Chain2 (Port 2), Chain3 (Port 3) and Chain4 (Port 4) can be used as transmitting/receiving antenna.

Chain1 (Port 1), Chain2 (Port 2), Chain3 (Port 3) and Chain4 (Port 4) could transmit/receive simultaneously.

For 5GHz (Band 1) function:

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

Chain1 (Port 1), Chain2 (Port 2), Chain3 (Port 3) and Chain4 (Port 4) can be used as transmitting/receiving antenna.

Chain1 (Port 1), Chain2 (Port 2), Chain3 (Port 3) and Chain4 (Port 4) could transmit/receive simultaneously.

For 5GHz (Band 4) function:

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

Chain5 (Port 1), Chain6 (Port 2), Chain7 (Port 3) and Chain8 (Port 4) can be used as transmitting/receiving antenna.

Chain5 (Port 1), Chain6 (Port 2), Chain7 (Port 3) and Chain8 (Port 4) could transmit/receive simultaneously.

For Bluetooth function:

Only Chain 9 (Port 1) can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)
802.11a	0.984	0.07
802.11ac VHT20	0.984	0.07
802.11ac VHT20-BF	0.952	0.214
802.11ac VHT40	0.952	0.214
802.11ac VHT40-BF	0.891	0.501
802.11ac VHT80	0.939	0.273
802.11ac VHT80-BF	0.926	0.334

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming for IEEE 802 11n/ac in 2.4GHz/5GHz	☐	Without beamforming

1.1.5 Table for Multiple Listing

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

Model Name	Description
EA9500 V2	All the models are identical, the difference model names served as marketing strategy.
EA9400 V2	
EA9500S	

Note: From the above models, model: EA9500 V2 was selected as representative model for the test and its data was recorded in this report.

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	Lucke Hsieh / Gino Huang Ron Huang	23°C / 54%	Mar. 06, 2017~Mar. 10, 2017
Radiated Below 1GHz	03CH01-CB	Welson Chen / Mason Chen Steven Liang	22°C / 54%	Apr. 20, 2017
Radiated Above 1 GHz	03CH01-CB	Welson Chen / Mason Chen Steven Liang	22°C / 54%	Feb. 24, 2017~Apr. 20, 2017
AC Conduction	CO01-CB	GN Hou	24°C / 58%	Mar. 24, 2017

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%
Frequency Stability	6.06×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Band	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	78
5200MHz	89
5240MHz	84
5745MHz	97
5785MHz	97
5825MHz	97
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	75
5200MHz	89
5240MHz	92
5745MHz	97
5785MHz	96
5825MHz	96
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	67
5230MHz	67
5755MHz	95
5795MHz	98
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	62
5775MHz	82
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	83
5200MHz	86
5240MHz	88
5745MHz	87
5785MHz	87
5825MHz	87
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	62
5230MHz	68
5755MHz	88
5795MHz	88
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	59
5775MHz	83

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two modes of EUT for 802.11n/ac in 2.4GHz/5GHz. One is beamforming mode, and the other is non-beamforming mode. Both modes have been tested and recorded in this test report.

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability Unwanted Emissions
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
1	Normal Link – EUT in Z axis + Adapter 2
2	Normal Link – EUT in Z axis + Adapter 3
3	Normal Link – EUT in Z axis + Adapter 1
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	CTX-EUT in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+WLAN 5GHz Band1+WLAN 5GHz Band4
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz Band1+WLAN 5GHz Band4+Bluetooth
Refer to Sporton Test Report No.: FA730736 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used in Z-axis position.

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2.3 EUT Operation during Test

For CTX Mode:

Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories					
No.	**Equipment Name**	**Brand Name**	**Model Name**	**Rating**	**Remark**
1	Adapter 1	APD	DA-48T12	Input: 100-240V~50-60Hz, 1.4A Max Output: 12V, 4A	non-shielded, 1.4m
2	Adapter 2	APD	DA-60M12	Input: 100-240V~50-60Hz 1.5A Max Output: 12V, 5A	non-shielded, 1.4m
3	Adapter 3	Ktec	KSA-65W-12 0500M2	Input: 100-240V~50/60Hz 1.5A Output: 12V, 5.0A	non-shielded, 1.4m
Others					
Power Cable*1, non-shielded, 1.7m,					

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*5	DELL	E6430	DoC
2	Smart phone	Samsung	Galaxy J2	Doc
3	Flash disk3.0*2	Transcend	JetFlash-700	DoC

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	NB*3	APPLE	Mac Book	DoC
3	Flash disk3.0	Silicon Power	B06	DoC
4	Flash disk3.0	Transcend	JetFlash-700	DoC
5	Cell-phone	Samsung	Galaxy J2	N/A

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	WLAN module	Boardcom	BCM943162ZP	QDS-BRCM1075

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

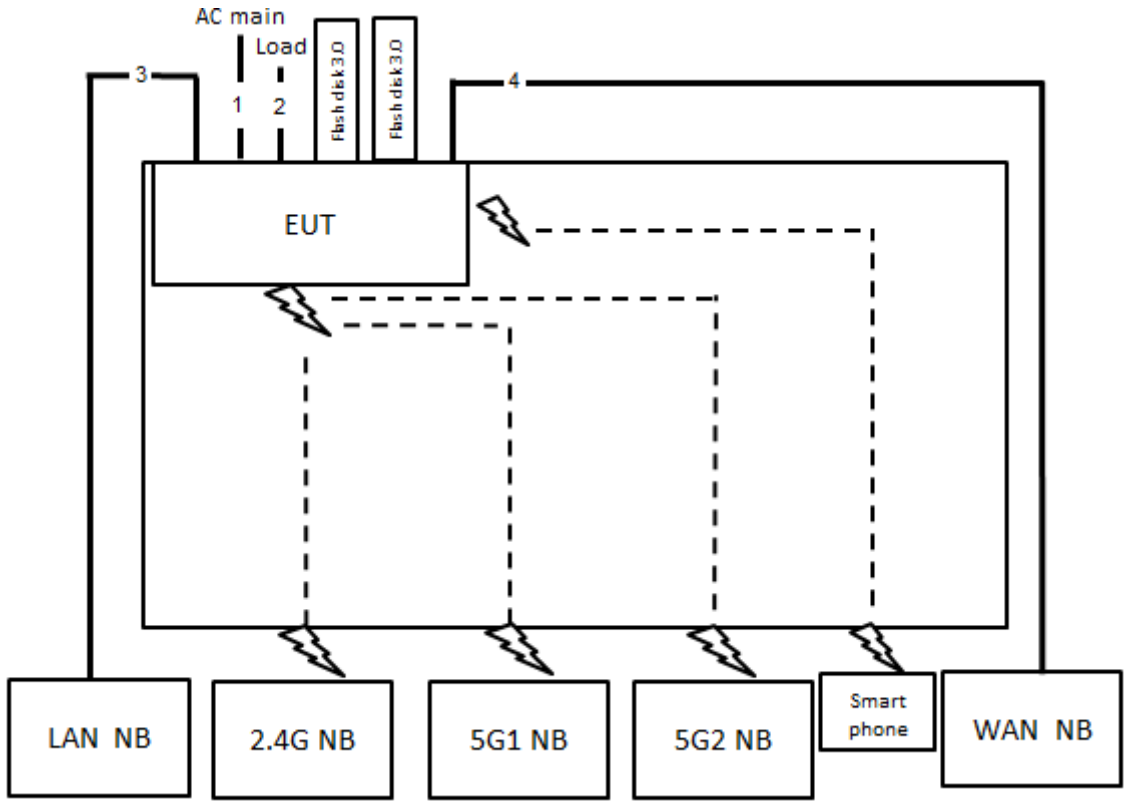
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC

For Test Site No: TH01-CB

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

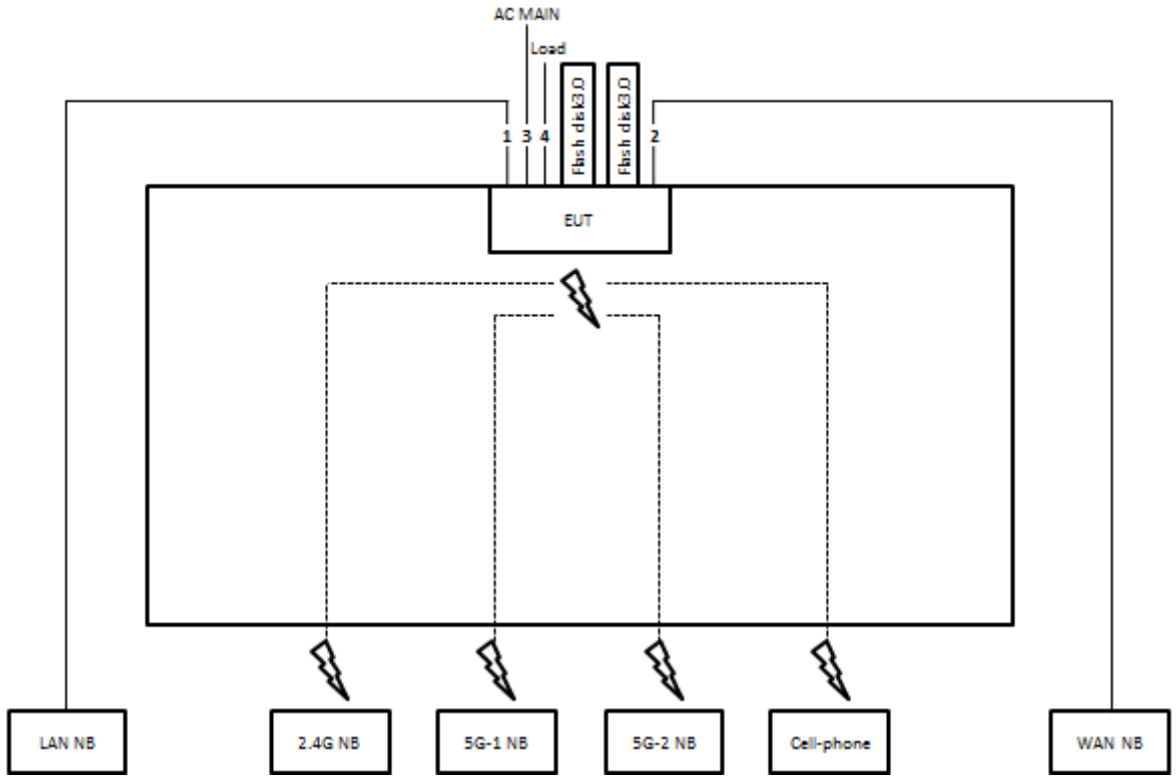
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



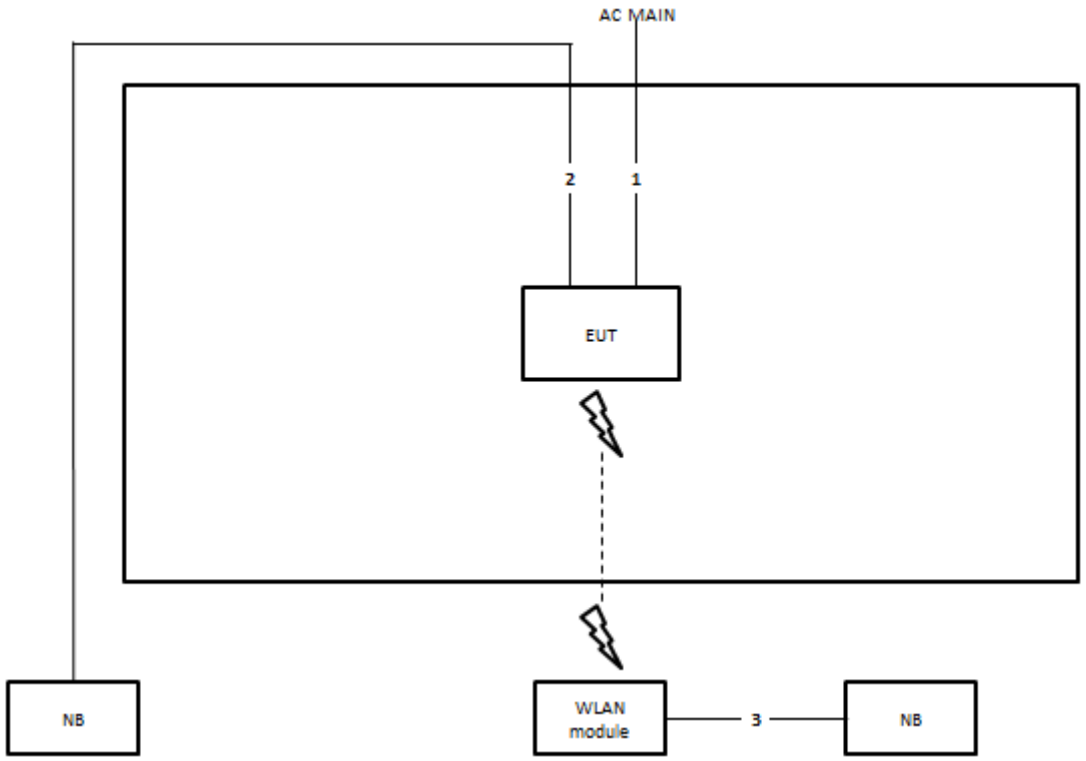
Item	Connection	Shielded	Length
1	Power cable	No	3.1m
2	RJ-45 cable*7	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



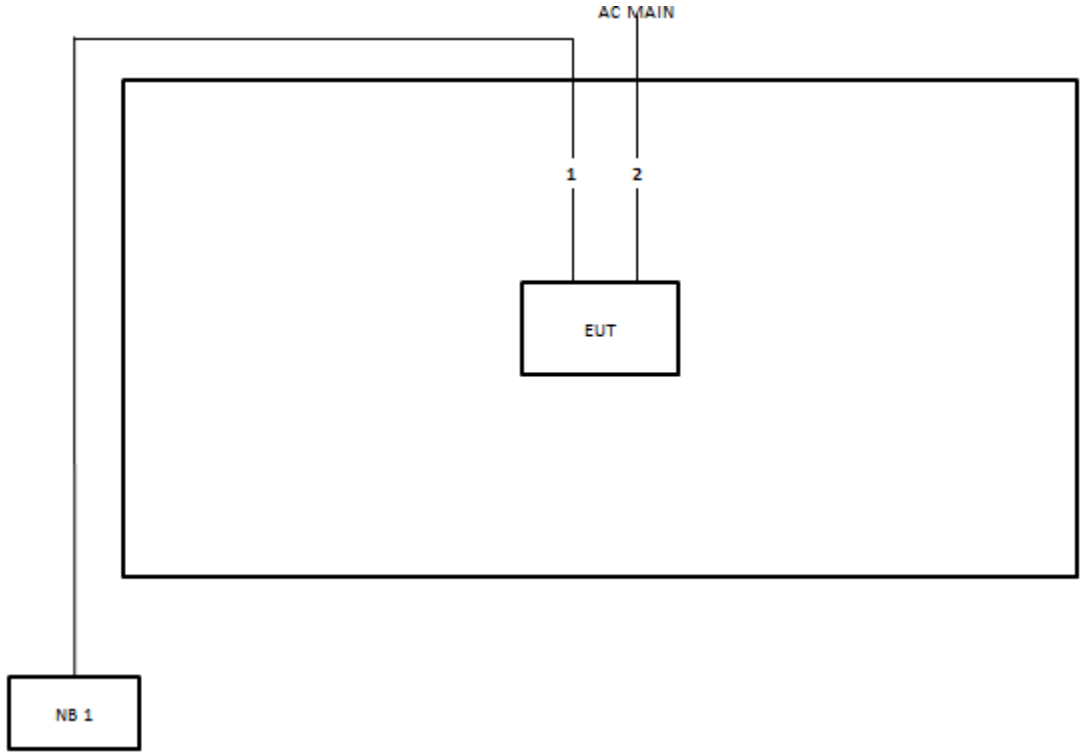
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	10m
3	Power cable	No	3.1m
4	RJ-45 cable*7	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz (Beamforming)



Item	Connection	Shielded	Length
1	Power cable	No	3.1m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz (Non-Beamforming)



Item	Connection	Shielded	Length
1	Power Cable	No	3.1m
2	RJ45 Cable	No	10m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

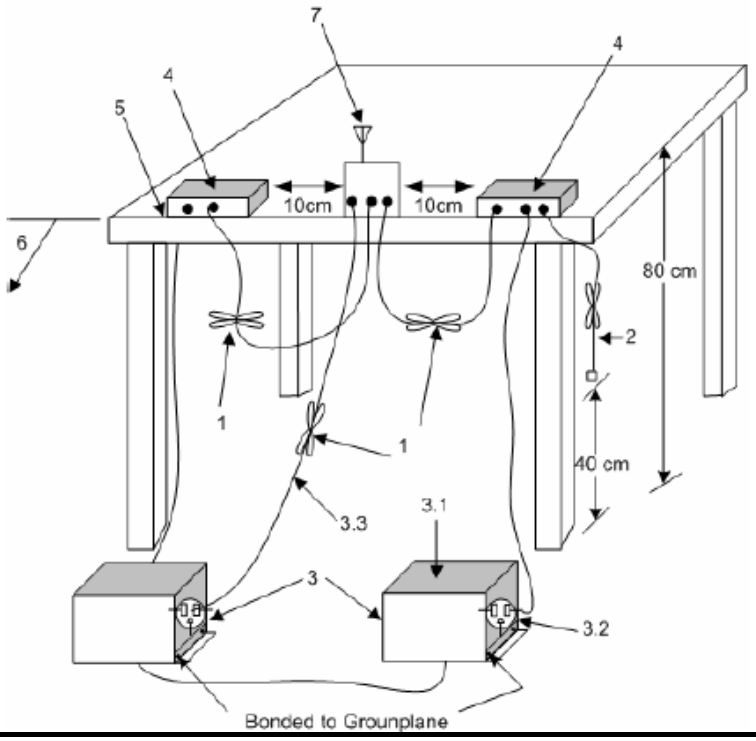
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 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.

3.2.2 Measuring Instruments

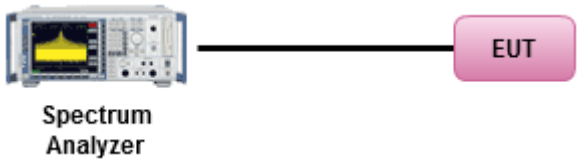
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 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.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
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.	

3.3.2 Measuring Instruments

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

3.3.3 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]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 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.	

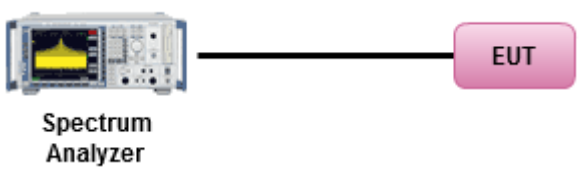
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power 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]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

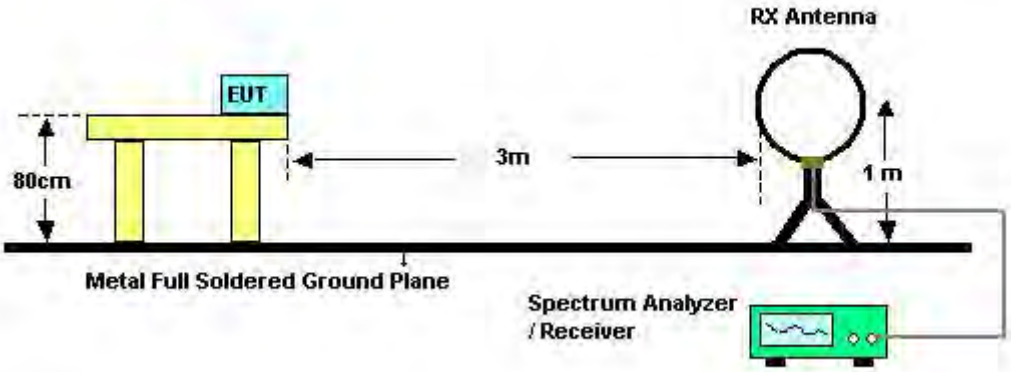
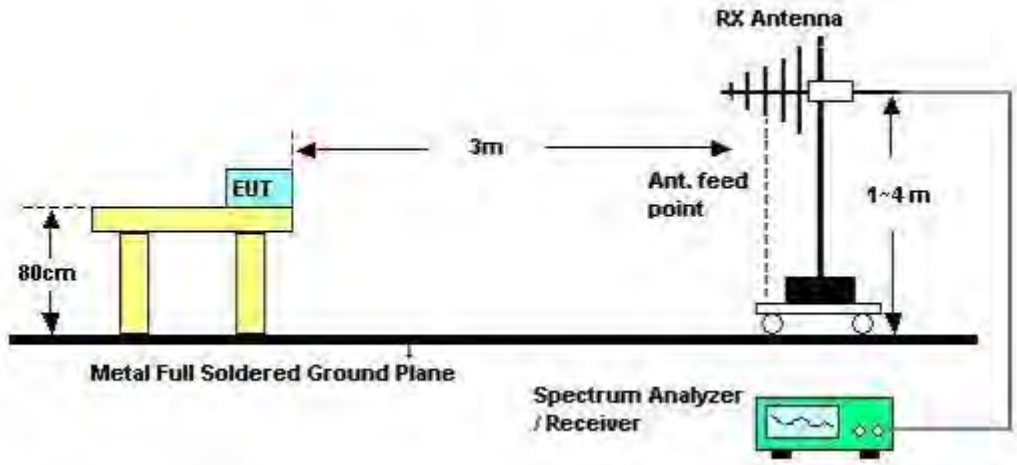
3.5.2 Measuring Instruments

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

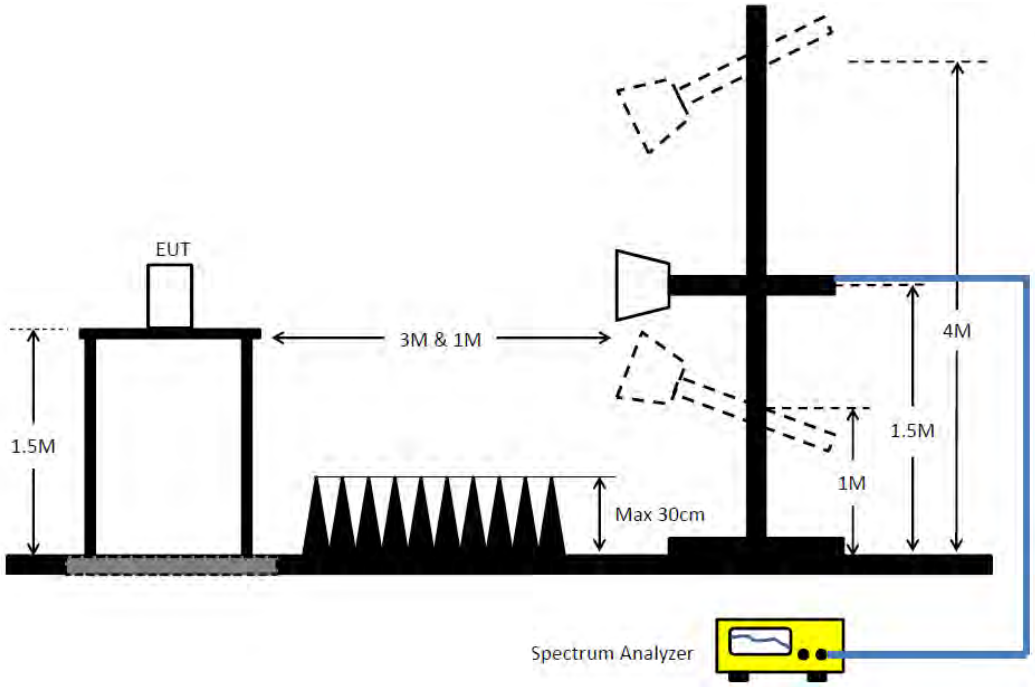
3.5.3 Test Procedures

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.		

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.5 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.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 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.

3.6.2 Measuring Instruments

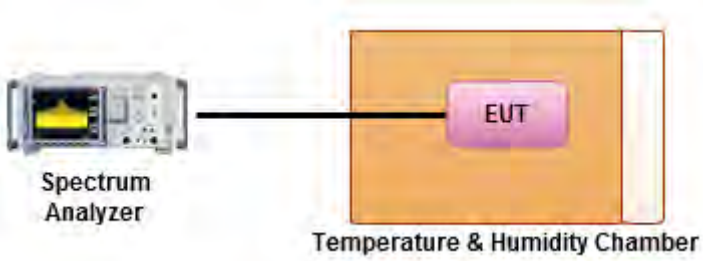
Refer a test equipment and calibration data table in this test report.

3.6.3 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 -30˚C~50˚C.

3.6.4 Test Setup

Frequency Stability



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 24, 2016	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 13, 2017	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 21, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)

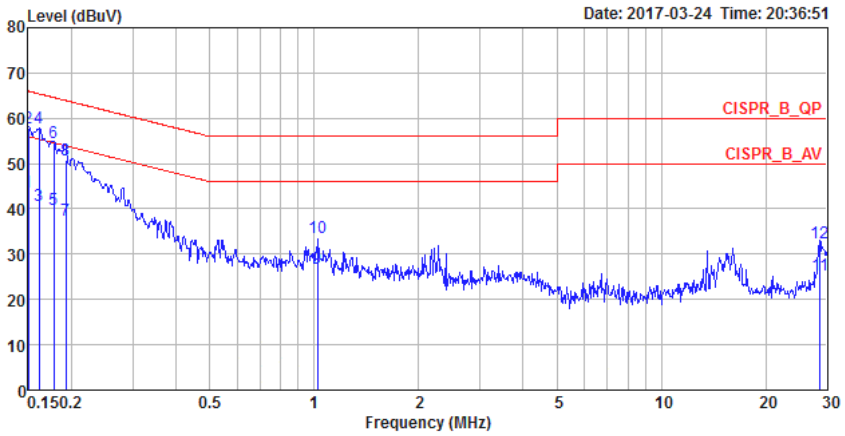
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)

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

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

N.C.R means Non-Calibration required.

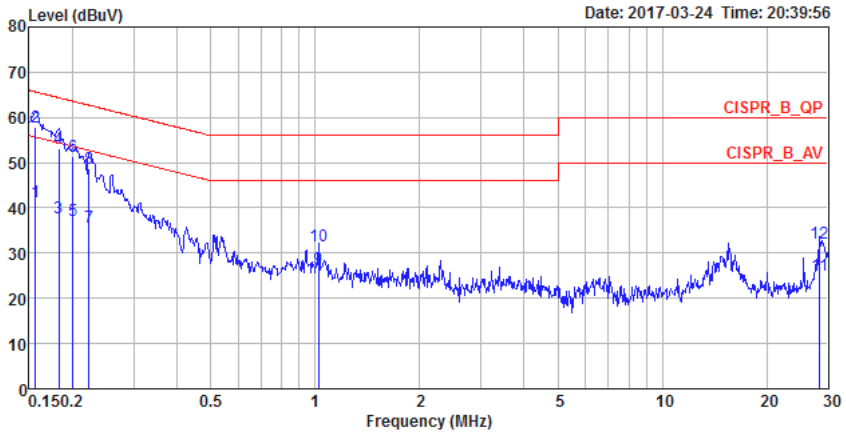
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	43.76	-12.24	56.00	33.50	10.10	0.16	Average	NEUTRAL
2	0.1500	57.94	-8.06	66.00	47.68	10.10	0.16	QP	NEUTRAL
3	0.1616	40.77	-14.61	55.38	30.50	10.10	0.17	Average	NEUTRAL
4	0.1616	57.73	-7.65	65.38	47.46	10.10	0.17	QP	NEUTRAL
5	0.1777	39.92	-14.67	54.59	29.73	10.01	0.18	Average	NEUTRAL
6	0.1777	54.64	-9.95	64.59	44.45	10.01	0.18	QP	NEUTRAL
7	0.1924	37.56	-16.37	53.93	27.36	10.01	0.19	Average	NEUTRAL
8	0.1924	50.64	-13.29	63.93	40.44	10.01	0.19	QP	NEUTRAL
9	1.0211	26.80	-19.20	46.00	16.03	10.05	0.72	Average	NEUTRAL
10	1.0211	33.61	-22.39	56.00	22.84	10.05	0.72	QP	NEUTRAL
11	28.6030	25.41	-24.59	50.00	14.55	10.55	0.31	Average	NEUTRAL
12	28.6030	32.45	-27.55	60.00	21.59	10.55	0.31	QP	NEUTRAL

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

AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1565	41.39	-14.26	55.65	31.22	10.00	0.17	Average	LINE
2	0.1565	57.91	-7.74	65.65	47.74	10.00	0.17	QP	LINE
3	0.1825	37.90	-16.47	54.37	27.81	9.91	0.18	Average	LINE
4	0.1825	53.06	-11.31	64.37	42.97	9.91	0.18	QP	LINE
5	0.2007	37.23	-16.35	53.58	27.13	9.91	0.19	Average	LINE
6	0.2007	51.28	-12.30	63.58	41.18	9.91	0.19	QP	LINE
7	0.2232	35.74	-16.96	52.70	25.66	9.92	0.16	Average	LINE
8	0.2232	48.81	-13.89	62.70	38.73	9.92	0.16	QP	LINE
9	1.0211	26.63	-19.37	46.00	15.95	9.96	0.72	Average	LINE
10	1.0211	31.48	-24.52	56.00	20.80	9.96	0.72	QP	LINE
11	28.4519	25.07	-24.93	50.00	14.28	10.49	0.30	Average	LINE
12	28.4519	32.06	-27.94	60.00	21.27	10.49	0.30	QP	LINE

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	38.675M	17M	17M0D1D	21.525M	16.675M
5.725-5.85GHz	16.35M	17.375M	17M4D1D	16.3M	16.875M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	39.875M	18.175M	18M2D1D	21.6M	17.825M
5.725-5.85GHz	17.6M	18.55M	18M5D1D	17.55M	18.025M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	41.15M	36.6M	36M6D1D	40.65M	36.45M
5.725-5.85GHz	36.35M	37.3M	37M3D1D	35.8M	36.7M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.3M	75.2M	75M2D1D	80.7M	75M
5.725-5.85GHz	76.4M	76.1M	76M1D1D	75.7M	75.9M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	41.125M	18.025M	18M0D1D	28.125M	17.875M
5.725-5.85GHz	17.6M	18M	18M0D1D	17.575M	17.85M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	41.25M	36.55M	36M5D1D	40.8M	36.4M
5.725-5.85GHz	36.35M	36.75M	36M7D1D	36.3M	36.6M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.7M	75.3M	75M3D1D	80.7M	74.7M
5.725-5.85GHz	76.4M	76.1M	76M1D1D	75.5M	75.8M

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;

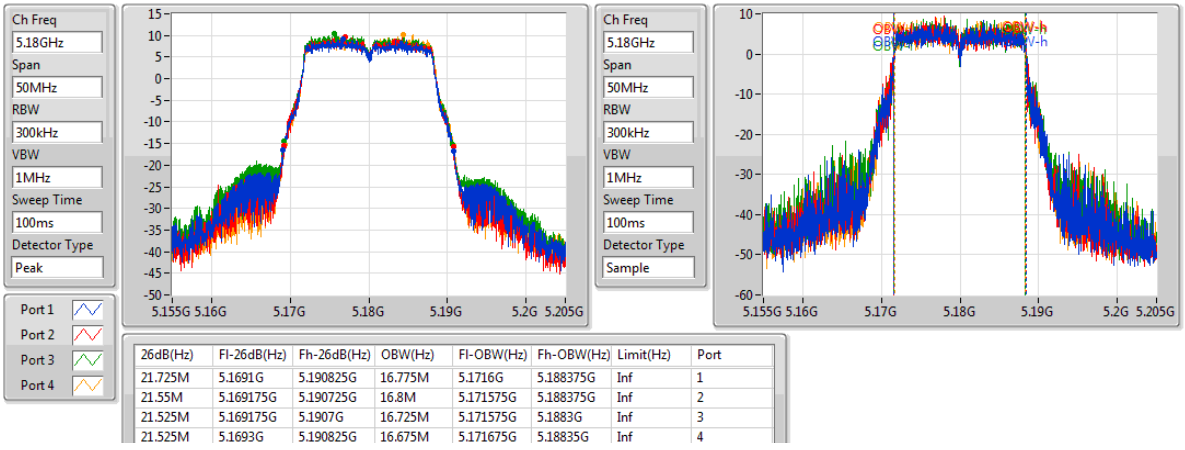
Result

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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.725M	16.775M	21.55M	16.8M	21.525M	16.725M	21.525M	16.675M
5200MHz	Pass	Inf	38.675M	17M	38.25M	16.975M	38.625M	16.95M	35.95M	16.875M
5240MHz	Pass	Inf	22.1M	16.75M	21.575M	16.75M	21.8M	16.775M	24.6M	16.725M
5745MHz	Pass	500k	16.35M	16.95M	16.325M	17.05M	16.325M	17.375M	16.325M	17.025M
5785MHz	Pass	500k	16.35M	16.975M	16.3M	16.9M	16.35M	17.25M	16.35M	17.1M
5825MHz	Pass	500k	16.35M	16.875M	16.325M	16.9M	16.325M	17.025M	16.35M	17.125M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.85M	17.85M	21.6M	17.85M	22.075M	17.825M	22.075M	17.925M
5200MHz	Pass	Inf	39.8M	18.05M	39.575M	18.05M	39.875M	18.175M	36.8M	17.975M
5240MHz	Pass	Inf	38.125M	17.95M	26.175M	18M	35.25M	17.9M	29.075M	18M
5745MHz	Pass	500k	17.6M	18.025M	17.575M	18.175M	17.575M	18.55M	17.575M	18.3M
5785MHz	Pass	500k	17.575M	18.025M	17.6M	18.1M	17.55M	18.275M	17.55M	18.175M
5825MHz	Pass	500k	17.575M	18.075M	17.575M	18.075M	17.575M	18.15M	17.575M	18.075M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.15M	36.45M	40.95M	36.6M	40.9M	36.55M	40.75M	36.6M
5230MHz	Pass	Inf	40.95M	36.45M	41.05M	36.6M	40.85M	36.55M	40.65M	36.55M
5755MHz	Pass	500k	36.3M	36.7M	36.3M	36.7M	36.3M	37.1M	35.8M	36.85M
5795MHz	Pass	500k	36.3M	36.9M	36.35M	36.75M	36.3M	37.3M	36.3M	36.95M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.2M	75M	80.9M	75.2M	80.7M	75.2M	81.3M	75.1M
5775MHz	Pass	500k	76.1M	76M	76.4M	76.1M	75.7M	75.9M	75.9M	76M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	36.3M	17.925M	28.125M	17.95M	38.775M	17.875M	28.875M	17.9M
5200MHz	Pass	Inf	41.125M	18M	38.5M	17.875M	40.575M	18.025M	36.625M	17.95M
5240MHz	Pass	Inf	39.6M	18M	36.025M	18.025M	37.55M	17.925M	38.125M	18M
5745MHz	Pass	500k	17.575M	17.975M	17.6M	17.95M	17.575M	17.875M	17.575M	17.9M
5785MHz	Pass	500k	17.575M	17.875M	17.575M	17.9M	17.6M	17.9M	17.6M	18M
5825MHz	Pass	500k	17.6M	17.85M	17.575M	17.925M	17.575M	17.95M	17.6M	17.975M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.2M	36.55M	40.85M	36.5M	40.8M	36.55M	40.8M	36.5M
5230MHz	Pass	Inf	41.25M	36.4M	40.9M	36.55M	40.85M	36.5M	40.95M	36.55M
5755MHz	Pass	500k	36.3M	36.7M	36.35M	36.65M	36.3M	36.7M	36.35M	36.75M
5795MHz	Pass	500k	36.3M	36.7M	36.3M	36.6M	36.35M	36.75M	36.3M	36.7M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.7M	74.7M	80.7M	75.2M	81M	75.3M	80.7M	75.1M
5775MHz	Pass	500k	75.5M	75.8M	76.4M	76.1M	76.4M	76M	75.8M	75.9M

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

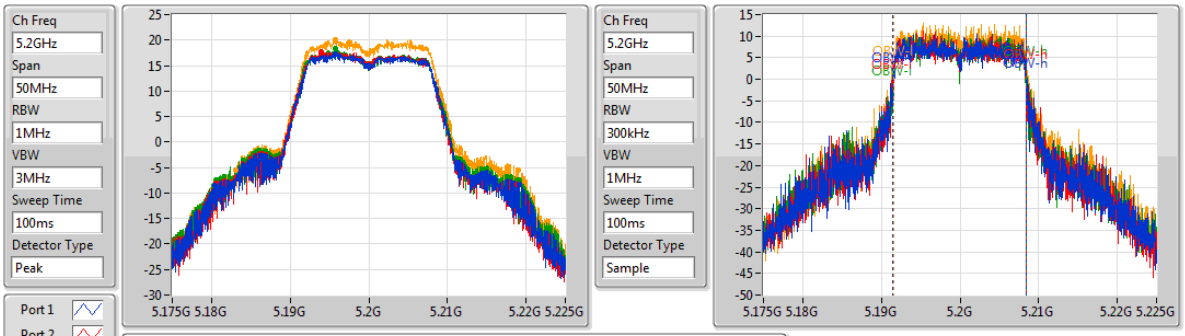
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.1691G	5.190825G	16.775M	5.1716G	5.188375G	Inf	1
21.55M	5.169175G	5.190725G	16.8M	5.171575G	5.188375G	Inf	2
21.525M	5.169175G	5.1907G	16.725M	5.171575G	5.1883G	Inf	3
21.525M	5.1693G	5.190825G	16.675M	5.171675G	5.18835G	Inf	4

802.11a_(6Mbps)_4TX EBW

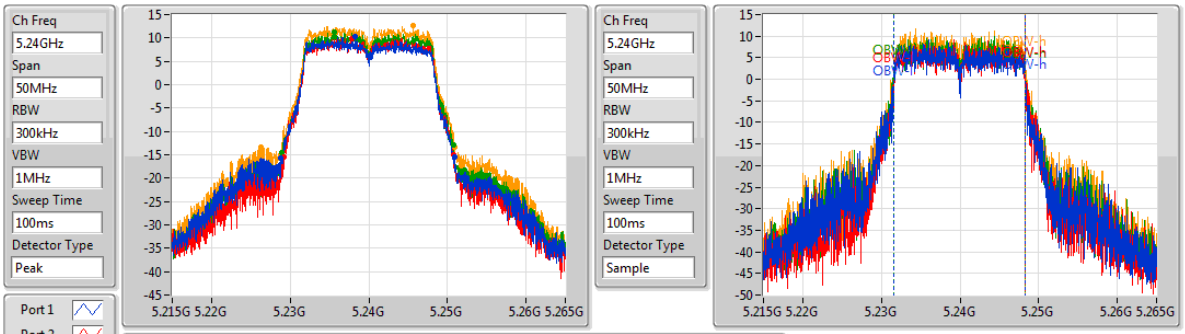
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.675M	5.1805G	5.219175G	17M	5.191425G	5.208425G	Inf	1
38.25M	5.180575G	5.218825G	16.975M	5.1914G	5.208375G	Inf	2
38.625M	5.18055G	5.219175G	16.95M	5.19145G	5.2084G	Inf	3
35.95M	5.183125G	5.219075G	16.875M	5.1916G	5.208475G	Inf	4

802.11a_(6Mbps)_4TX EBW

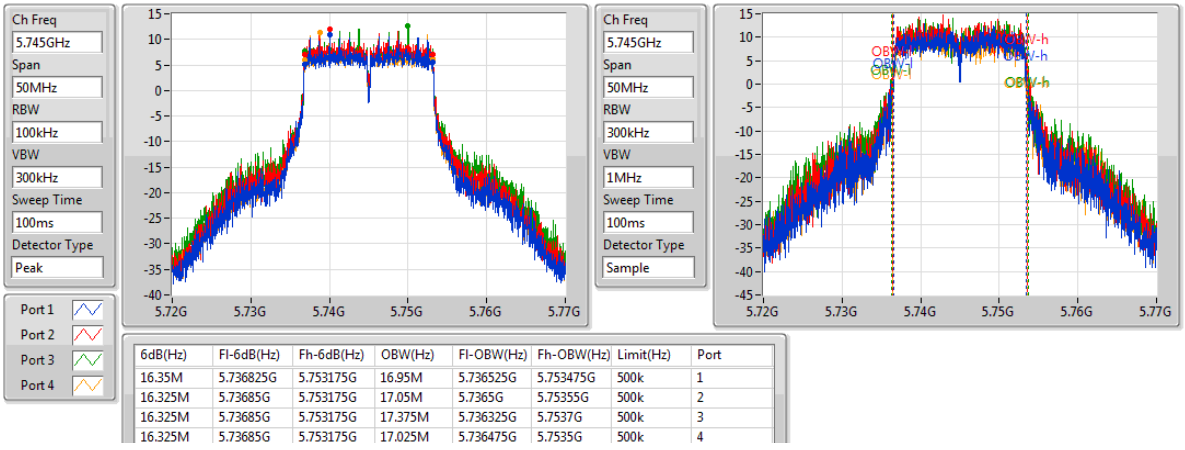
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.1M	5.228825G	5.250925G	16.75M	5.23155G	5.2483G	Inf	1
21.575M	5.22915G	5.250725G	16.75M	5.2316G	5.24835G	Inf	2
21.8M	5.22895G	5.25075G	16.775M	5.231575G	5.24835G	Inf	3
24.6M	5.22635G	5.25095G	16.725M	5.231625G	5.24835G	Inf	4

802.11a_(6Mbps)_4TX EBW

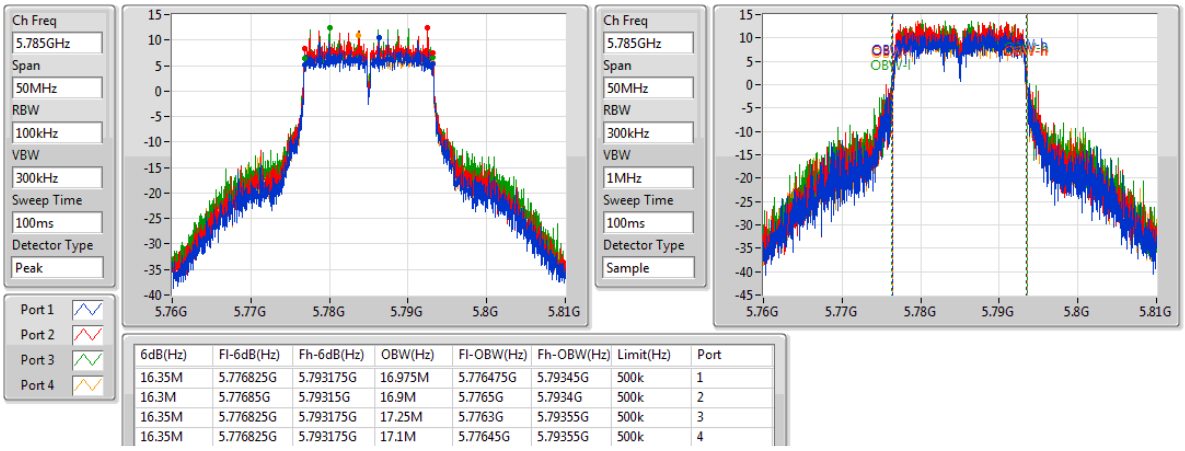
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.736825G	5.753175G	16.95M	5.736525G	5.753475G	500k	1
16.325M	5.73685G	5.753175G	17.05M	5.7365G	5.75355G	500k	2
16.325M	5.73685G	5.753175G	17.375M	5.736325G	5.7537G	500k	3
16.325M	5.73685G	5.753175G	17.025M	5.736475G	5.7535G	500k	4

802.11a_(6Mbps)_4TX EBW

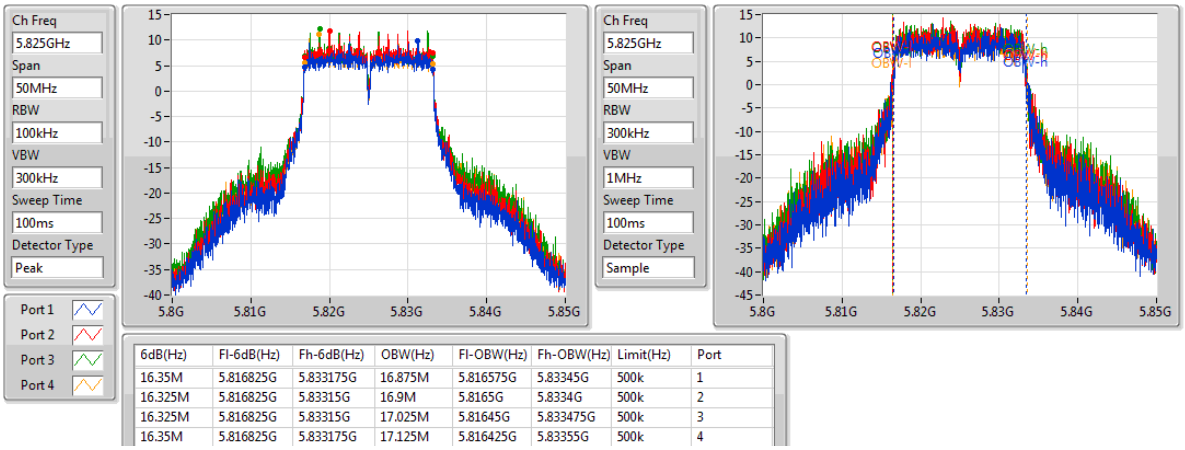
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.776825G	5.793175G	16.975M	5.776475G	5.79345G	500k	1
16.3M	5.77685G	5.79315G	16.9M	5.7765G	5.7934G	500k	2
16.35M	5.776825G	5.793175G	17.25M	5.7763G	5.79355G	500k	3
16.35M	5.776825G	5.793175G	17.1M	5.77645G	5.79355G	500k	4

802.11a_(6Mbps)_4TX EBW

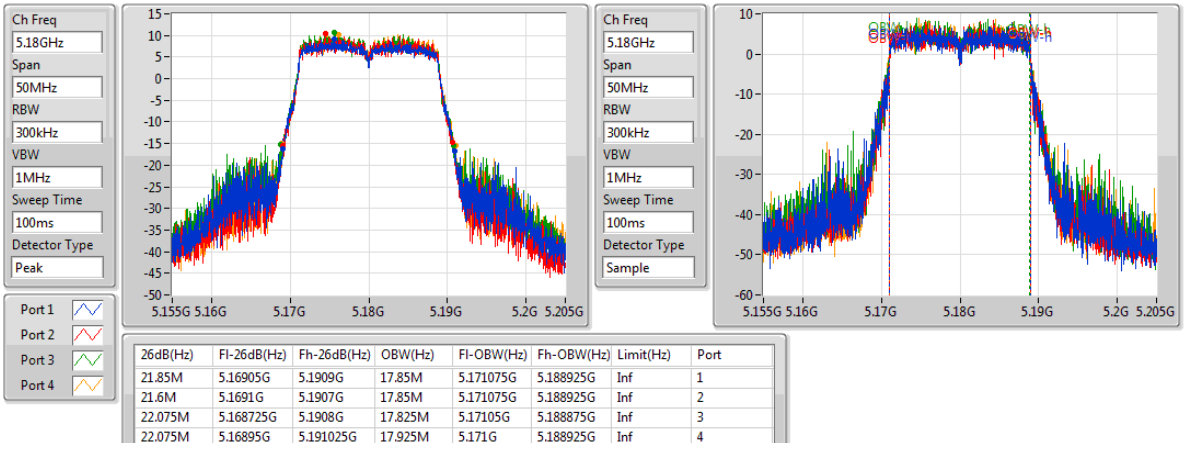
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.816825G	5.833175G	16.875M	5.816575G	5.83345G	500k	1
16.325M	5.816825G	5.83315G	16.9M	5.8165G	5.8334G	500k	2
16.325M	5.816825G	5.83315G	17.025M	5.81645G	5.833475G	500k	3
16.35M	5.816825G	5.833175G	17.125M	5.816425G	5.83355G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

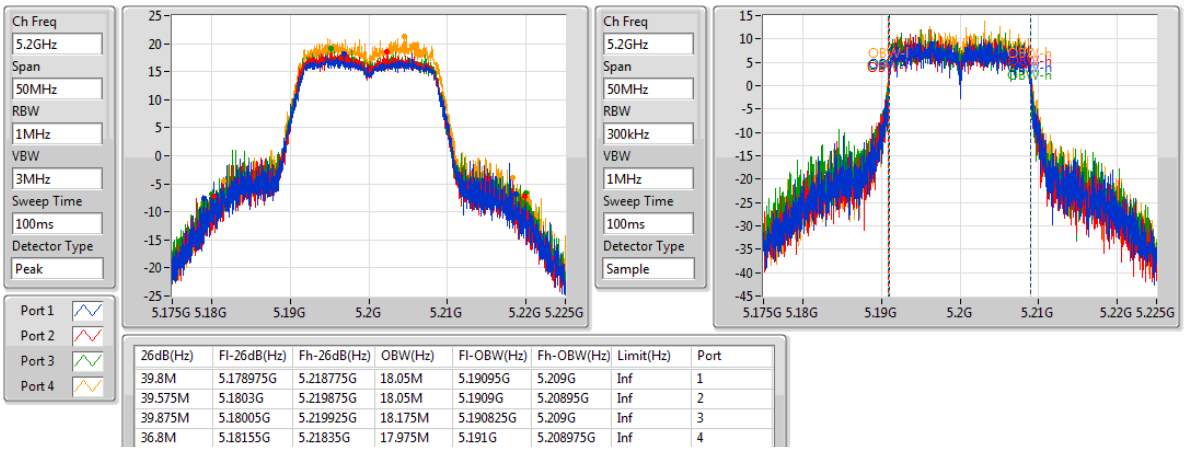
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.85M	5.16905G	5.1909G	17.85M	5.171075G	5.188925G	Inf	1
21.6M	5.1691G	5.1907G	17.85M	5.171075G	5.188925G	Inf	2
22.075M	5.168725G	5.1908G	17.825M	5.17105G	5.188875G	Inf	3
22.075M	5.16895G	5.191025G	17.925M	5.171G	5.188925G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

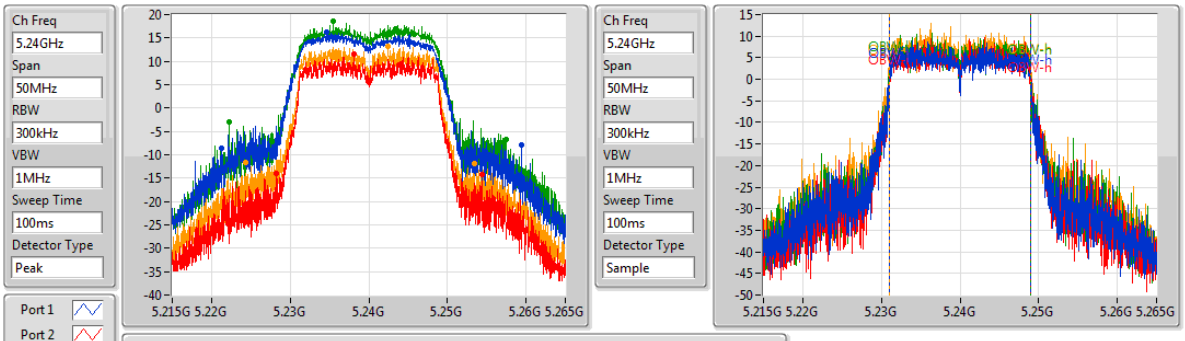
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.8M	5.178975G	5.218775G	18.05M	5.19095G	5.209G	Inf	1
39.575M	5.1803G	5.219875G	18.05M	5.1909G	5.20895G	Inf	2
39.875M	5.18005G	5.219925G	18.175M	5.190825G	5.209G	Inf	3
36.8M	5.18155G	5.21835G	17.975M	5.191G	5.208975G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

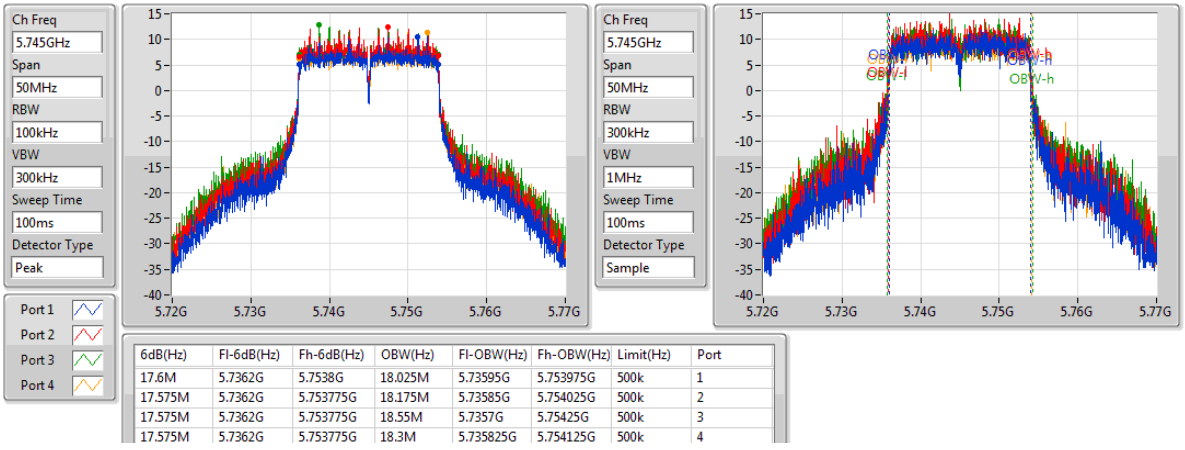


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.125M	5.221275G	5.2594G	17.95M	5.231G	5.24895G	Inf	1
26.175M	5.2282G	5.254375G	18M	5.231G	5.249G	Inf	2
35.25M	5.222225G	5.257475G	17.9M	5.23105G	5.24895G	Inf	3
29.075M	5.2243G	5.253375G	18M	5.230975G	5.248975G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

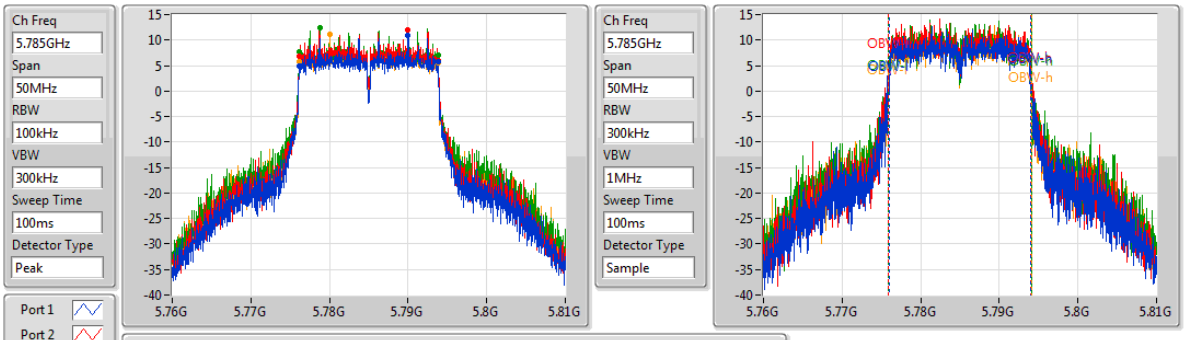


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.7362G	5.7538G	18.025M	5.73595G	5.753975G	500k	1
17.575M	5.7362G	5.753775G	18.175M	5.73585G	5.754025G	500k	2
17.575M	5.7362G	5.753775G	18.55M	5.7357G	5.75425G	500k	3
17.575M	5.7362G	5.753775G	18.3M	5.735825G	5.754125G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

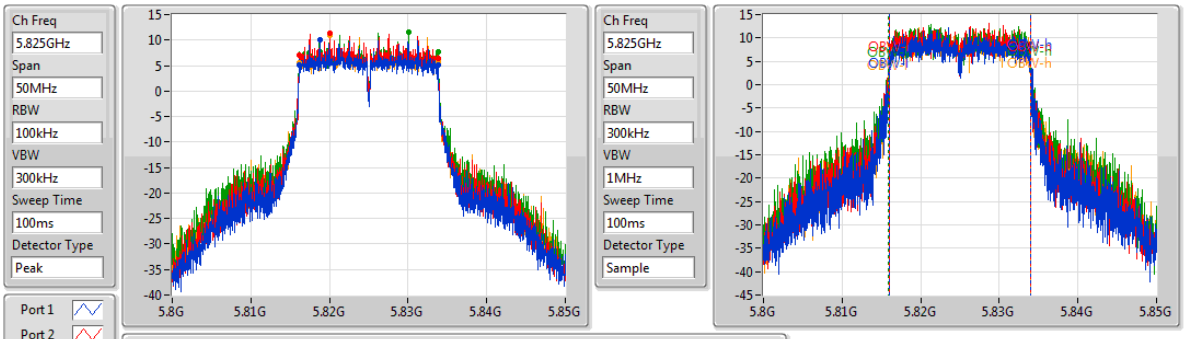


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7762G	5.793775G	18.025M	5.775975G	5.794G	500k	1
17.6M	5.7762G	5.7938G	18.1M	5.775925G	5.794025G	500k	2
17.55M	5.776225G	5.793775G	18.275M	5.775875G	5.79415G	500k	3
17.55M	5.776225G	5.793775G	18.175M	5.7759G	5.794075G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

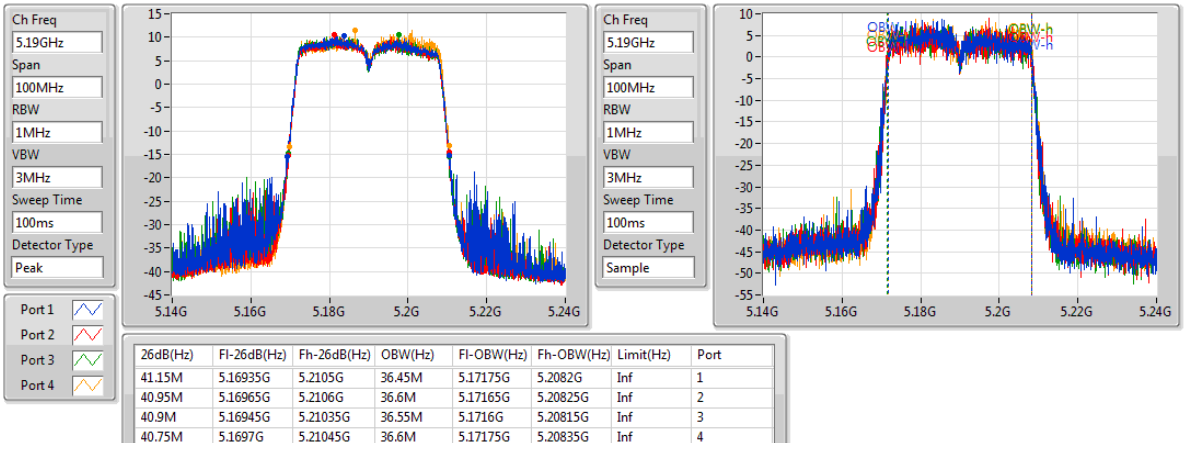


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.8162G	5.833775G	18.075M	5.81595G	5.834025G	500k	1
17.575M	5.8162G	5.833775G	18.075M	5.81595G	5.834025G	500k	2
17.575M	5.8162G	5.833775G	18.15M	5.8159G	5.83405G	500k	3
17.575M	5.8162G	5.833775G	18.075M	5.815925G	5.834G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

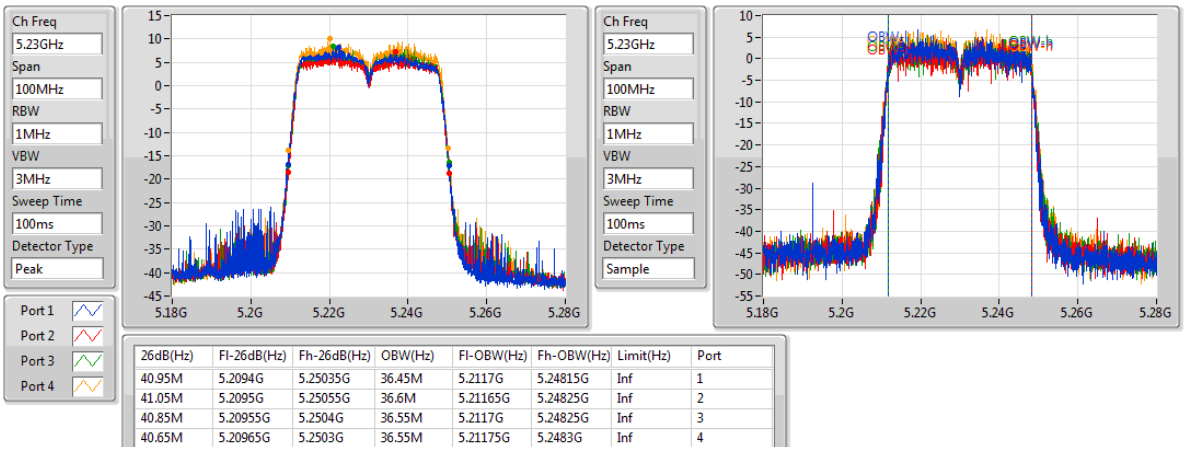


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.15M	5.16935G	5.2105G	36.45M	5.17175G	5.2082G	Inf	1
40.95M	5.16965G	5.2106G	36.6M	5.17165G	5.20825G	Inf	2
40.9M	5.16945G	5.21035G	36.55M	5.1716G	5.20815G	Inf	3
40.75M	5.1697G	5.21045G	36.6M	5.17175G	5.20835G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

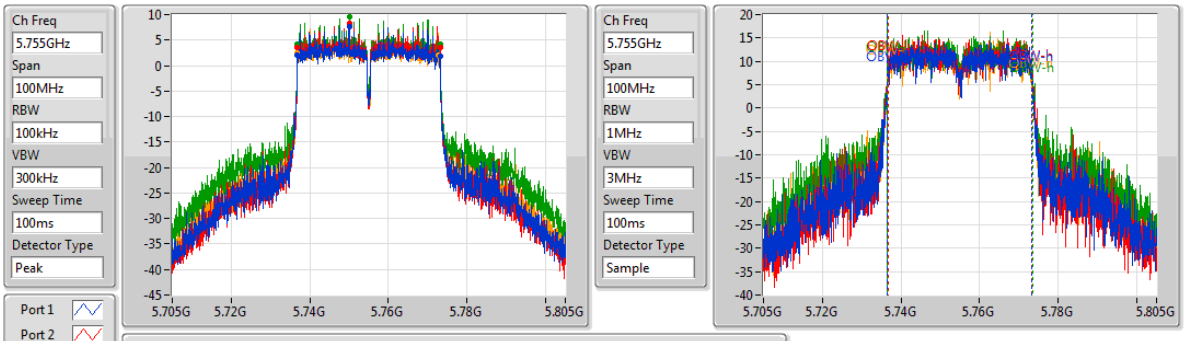


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.95M	5.2094G	5.25035G	36.45M	5.2117G	5.24815G	Inf	1
41.05M	5.2095G	5.25055G	36.6M	5.21165G	5.24825G	Inf	2
40.85M	5.20955G	5.2504G	36.55M	5.2117G	5.24825G	Inf	3
40.65M	5.20965G	5.2503G	36.55M	5.21175G	5.2483G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

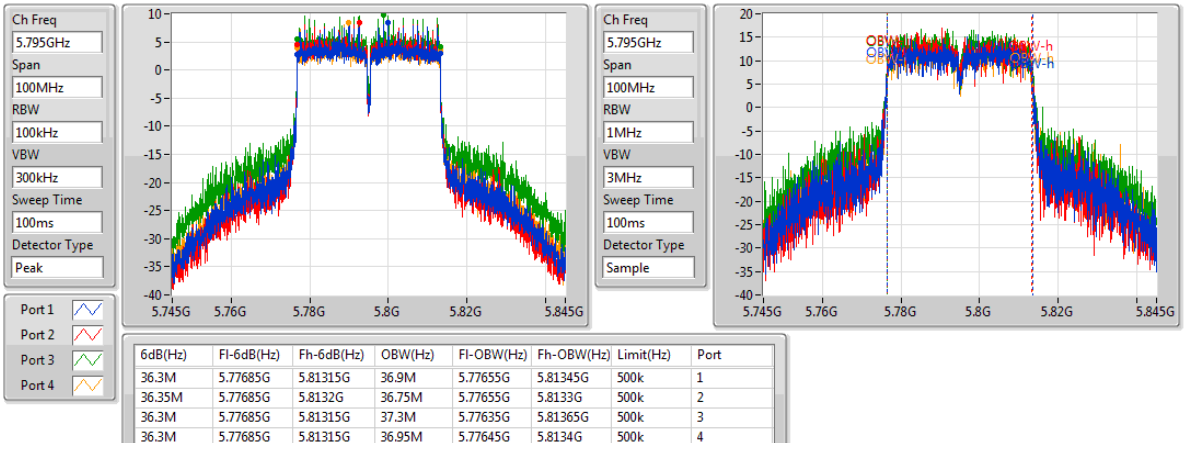


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73685G	5.77315G	36.7M	5.7366G	5.7733G	500k	1
36.3M	5.73685G	5.77315G	36.7M	5.73665G	5.77335G	500k	2
36.3M	5.73685G	5.77315G	37.1M	5.7364G	5.7735G	500k	3
35.8M	5.7368G	5.7726G	36.85M	5.7365G	5.77335G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

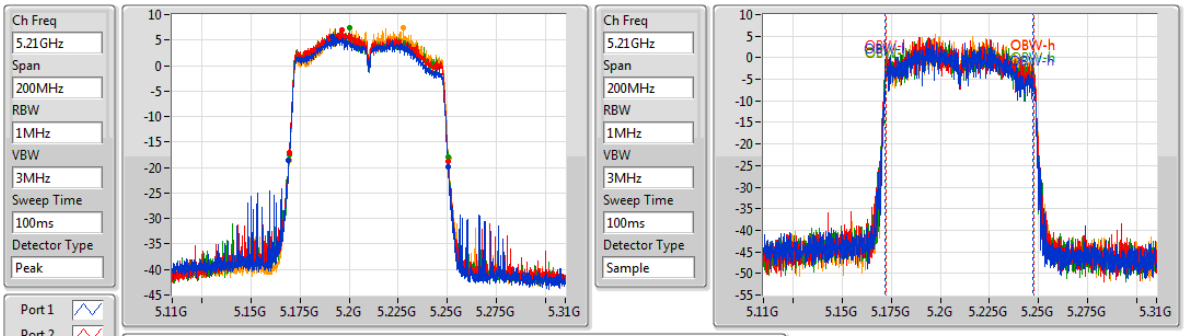


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	36.9M	5.77655G	5.81345G	500k	1
36.35M	5.77685G	5.8132G	36.75M	5.77655G	5.8133G	500k	2
36.3M	5.77685G	5.81315G	37.3M	5.77635G	5.81365G	500k	3
36.3M	5.77685G	5.81315G	36.95M	5.77645G	5.8134G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

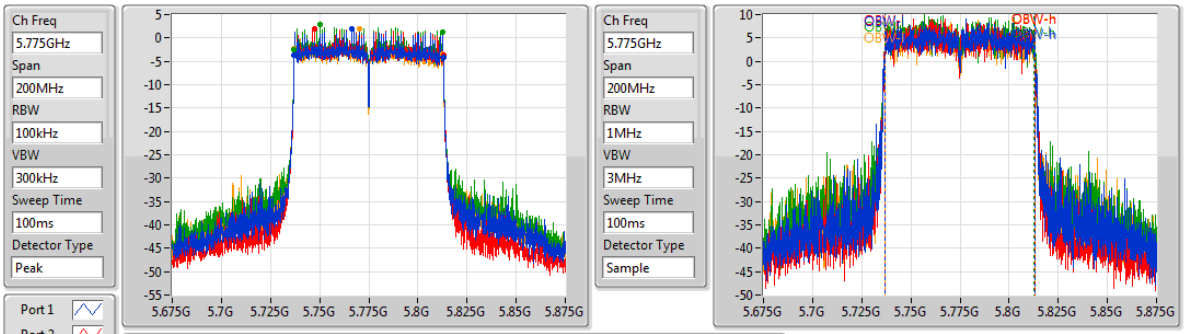


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.2M	5.1691G	5.2503G	75M	5.1721G	5.2471G	Inf	1
80.9M	5.1694G	5.2503G	75.2M	5.1723G	5.2475G	Inf	2
80.7M	5.1695G	5.2502G	75.2M	5.1722G	5.2474G	Inf	3
81.3M	5.1695G	5.2508G	75.1M	5.1725G	5.2476G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

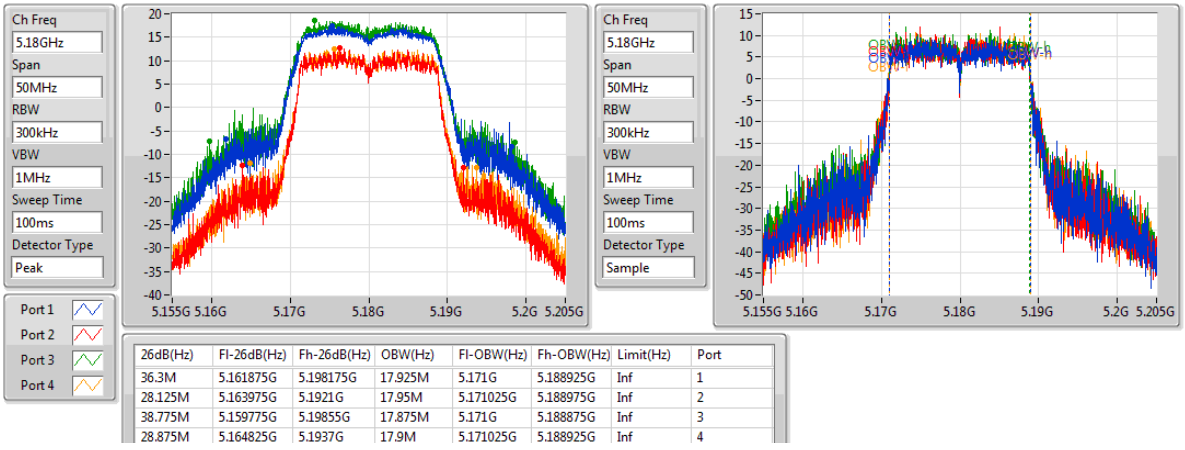
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.1M	5.7368G	5.8129G	76M	5.7369G	5.8129G	500k	1
76.4M	5.7368G	5.8132G	76.1M	5.7368G	5.8129G	500k	2
75.7M	5.7368G	5.8125G	75.9M	5.7369G	5.8128G	500k	3
75.9M	5.7369G	5.8128G	76M	5.7369G	5.8129G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

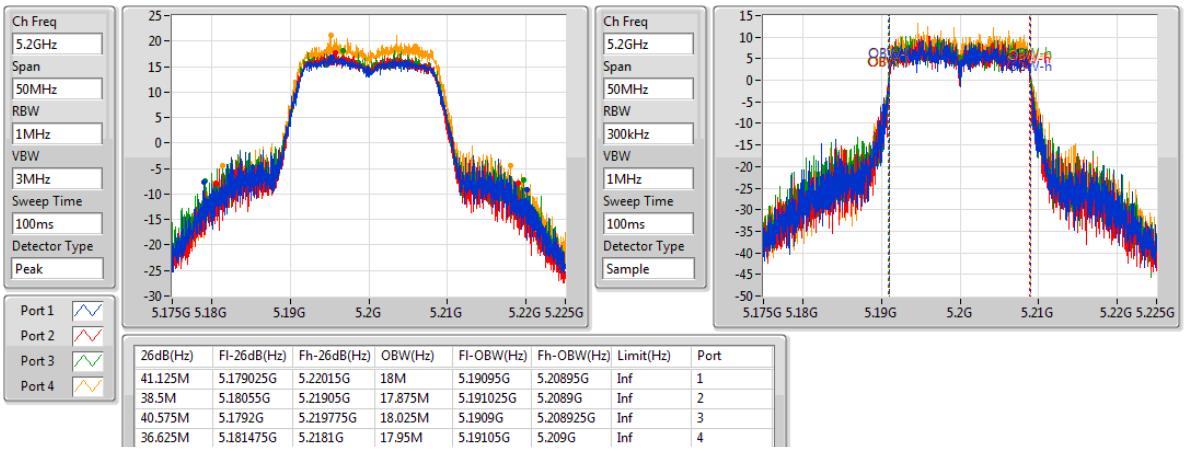
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.161875G	5.198175G	17.925M	5.171G	5.188925G	Inf	1
28.125M	5.163975G	5.1921G	17.95M	5.171025G	5.188975G	Inf	2
38.775M	5.159775G	5.19855G	17.875M	5.171G	5.188875G	Inf	3
28.875M	5.164825G	5.1937G	17.9M	5.171025G	5.188925G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

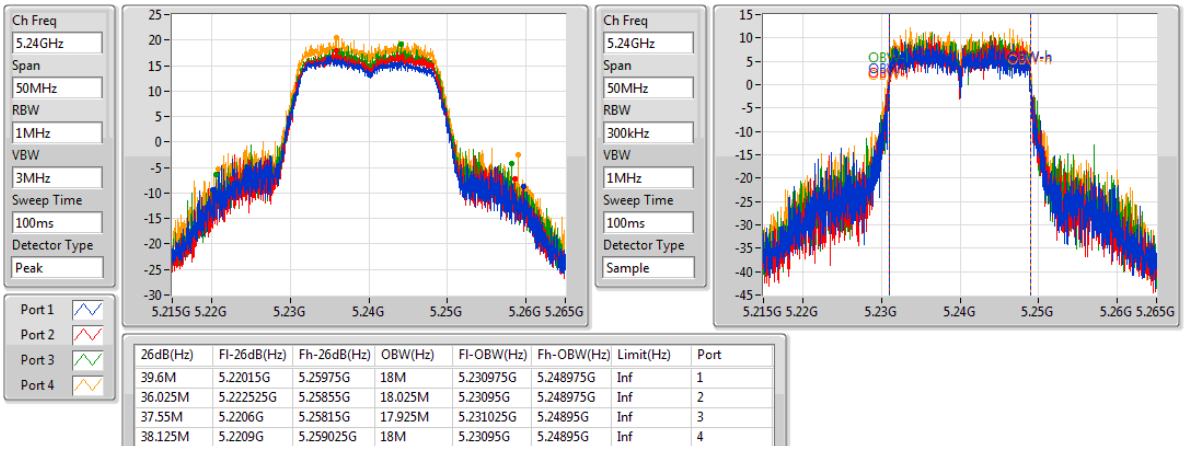
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.125M	5.179025G	5.22015G	18M	5.19095G	5.20895G	Inf	1
38.5M	5.18055G	5.21905G	17.875M	5.191025G	5.2089G	Inf	2
40.575M	5.1792G	5.219775G	18.025M	5.1909G	5.208925G	Inf	3
36.625M	5.181475G	5.2181G	17.95M	5.19105G	5.209G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

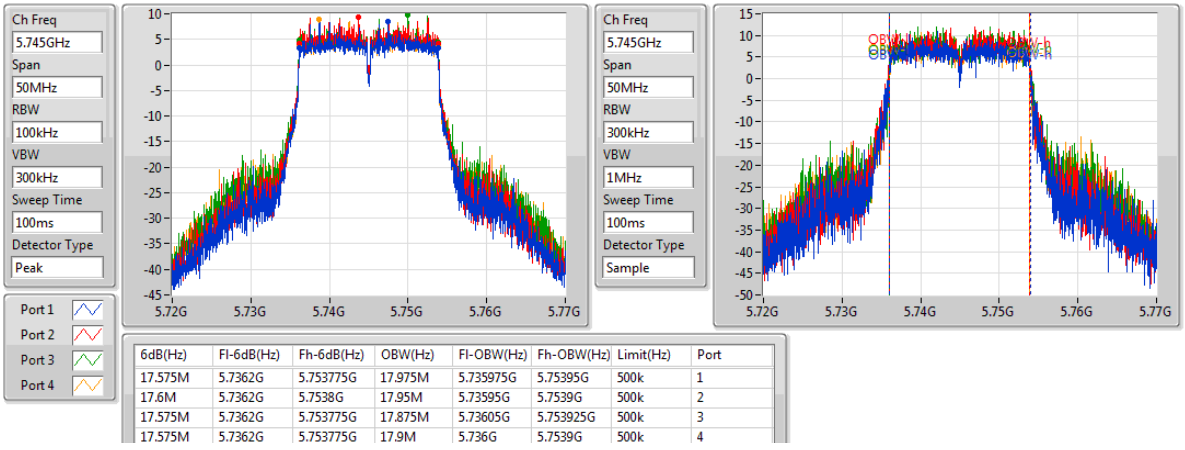
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.22015G	5.25975G	18M	5.230975G	5.248975G	Inf	1
36.025M	5.222525G	5.25855G	18.025M	5.23095G	5.248975G	Inf	2
37.55M	5.2206G	5.25815G	17.925M	5.231025G	5.24895G	Inf	3
38.125M	5.2209G	5.259025G	18M	5.23095G	5.24895G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

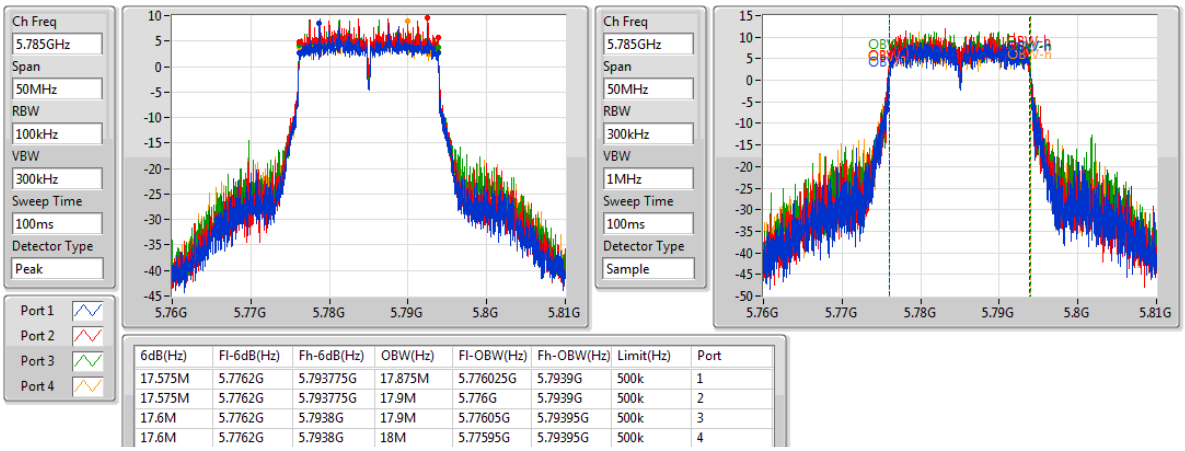
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7362G	5.753775G	17.975M	5.735975G	5.75395G	500k	1
17.6M	5.7362G	5.7538G	17.95M	5.73595G	5.7539G	500k	2
17.575M	5.7362G	5.753775G	17.875M	5.73605G	5.753925G	500k	3
17.575M	5.7362G	5.753775G	17.9M	5.736G	5.7539G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

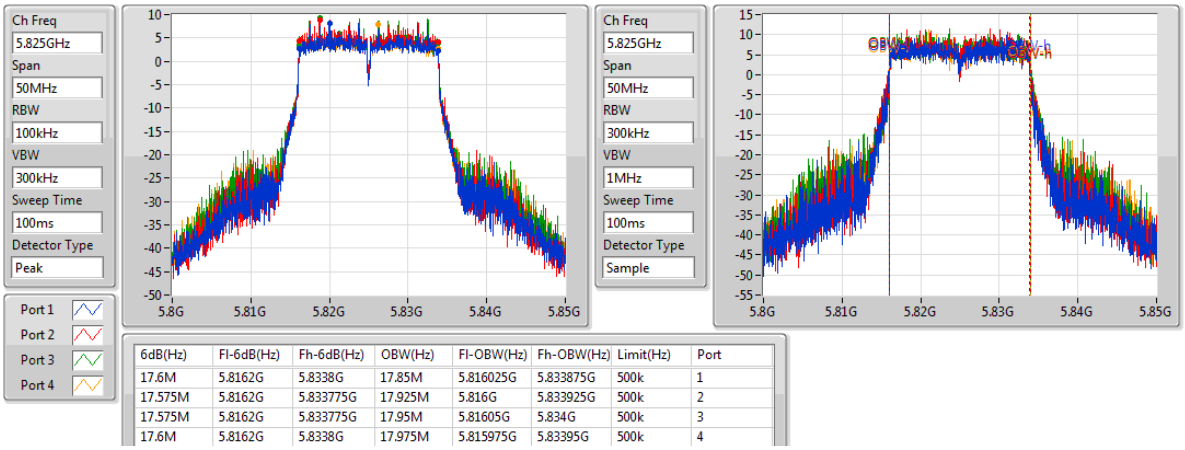
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7762G	5.793775G	17.875M	5.776025G	5.7939G	500k	1
17.575M	5.7762G	5.793775G	17.9M	5.776G	5.7939G	500k	2
17.6M	5.7762G	5.7938G	17.9M	5.77605G	5.79395G	500k	3
17.6M	5.7762G	5.7938G	18M	5.77595G	5.79395G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

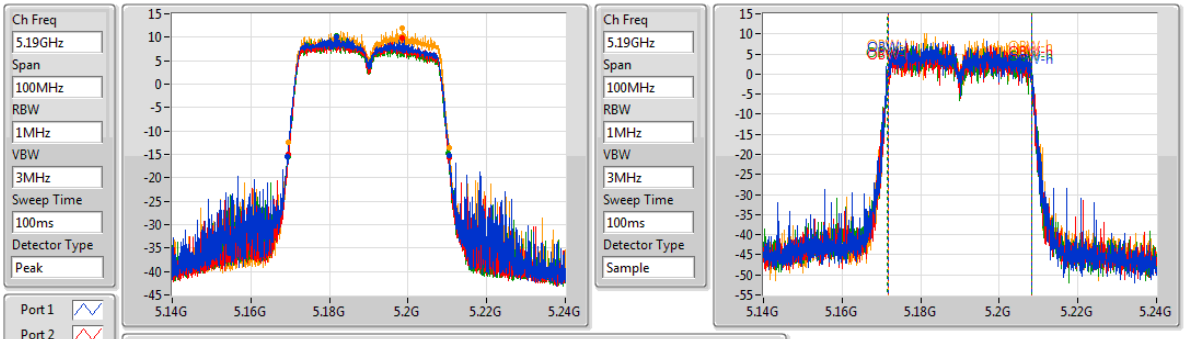
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.8162G	5.8338G	17.85M	5.816025G	5.833875G	500k	1
17.575M	5.8162G	5.833775G	17.925M	5.816G	5.833925G	500k	2
17.575M	5.8162G	5.833775G	17.95M	5.81605G	5.834G	500k	3
17.6M	5.8162G	5.8338G	17.975M	5.815975G	5.83395G	500k	4

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

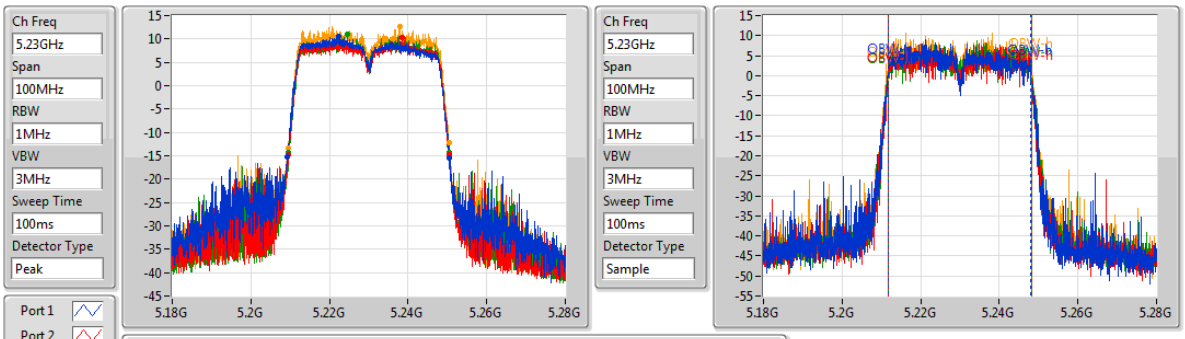
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.2M	5.1692G	5.2104G	36.55M	5.17165G	5.2082G	Inf	1
40.85M	5.16955G	5.2104G	36.5M	5.17165G	5.20815G	Inf	2
40.8M	5.16945G	5.21025G	36.55M	5.1716G	5.20815G	Inf	3
40.8M	5.16965G	5.21045G	36.5M	5.17175G	5.20825G	Inf	4

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

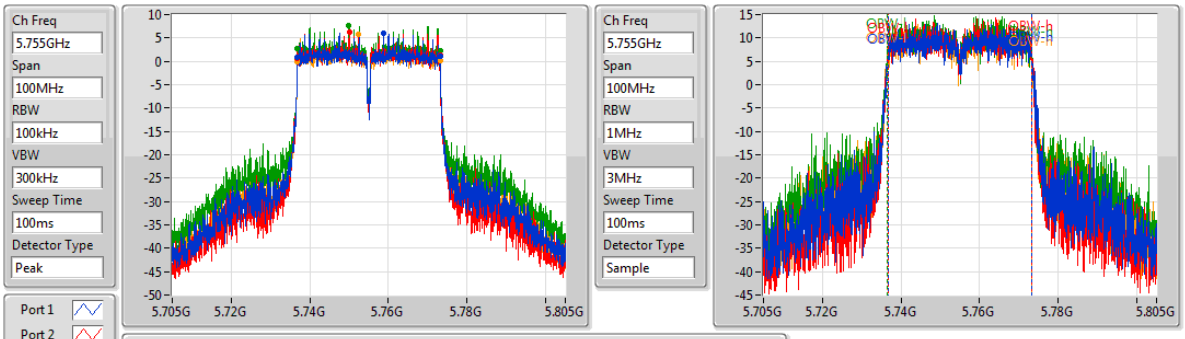
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.25M	5.20925G	5.2505G	36.4M	5.2117G	5.2481G	Inf	1
40.9M	5.2095G	5.2504G	36.55M	5.21165G	5.2482G	Inf	2
40.85M	5.2096G	5.25045G	36.5M	5.21175G	5.24825G	Inf	3
40.95M	5.2094G	5.25035G	36.55M	5.21165G	5.2482G	Inf	4

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

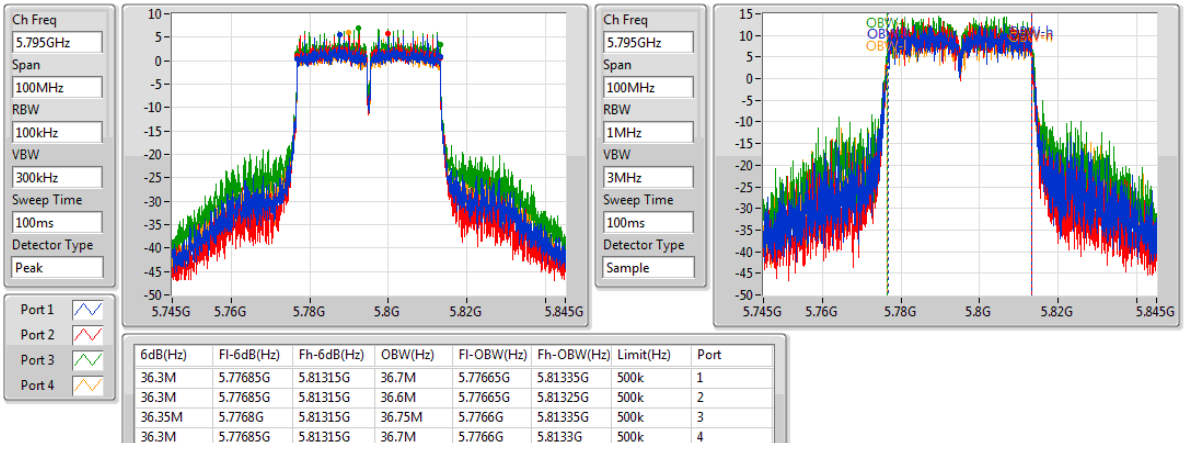
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73685G	5.77315G	36.7M	5.73665G	5.77335G	500k	1
36.35M	5.7368G	5.77315G	36.65M	5.73665G	5.7733G	500k	2
36.3M	5.73685G	5.77315G	36.7M	5.7366G	5.7733G	500k	3
36.35M	5.7368G	5.77315G	36.75M	5.73655G	5.7733G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

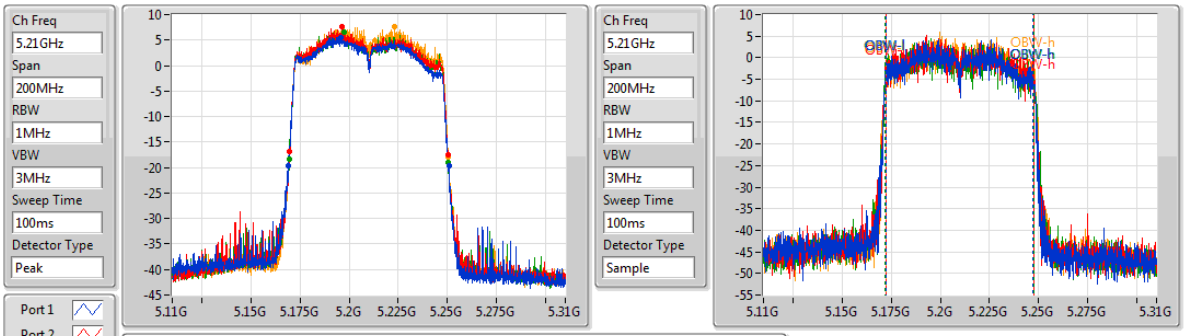
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	36.7M	5.77665G	5.81335G	500k	1
36.3M	5.77685G	5.81315G	36.6M	5.77665G	5.81325G	500k	2
36.35M	5.7768G	5.81315G	36.75M	5.7766G	5.81335G	500k	3
36.3M	5.77685G	5.81315G	36.7M	5.7766G	5.8133G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

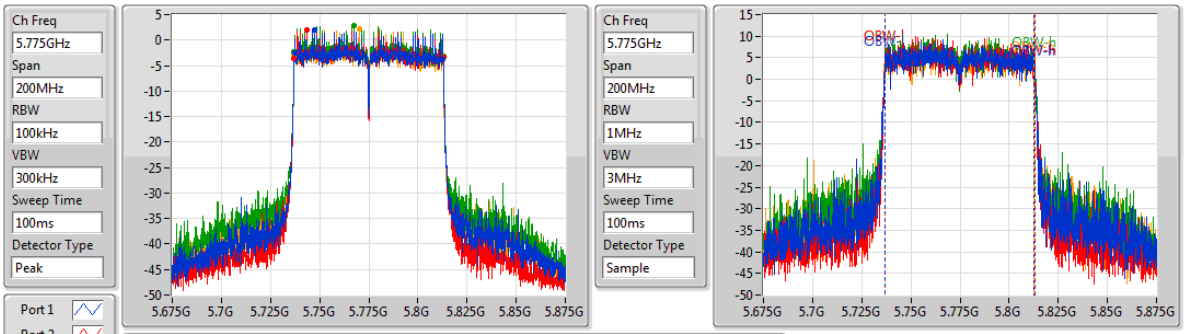
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.7M	5.169G	5.2507G	74.7M	5.1723G	5.247G	Inf	1
80.7M	5.1696G	5.2503G	75.2M	5.1722G	5.2474G	Inf	2
81M	5.1695G	5.2505G	75.3M	5.1721G	5.2474G	Inf	3
80.7M	5.1697G	5.2504G	75.1M	5.1724G	5.2475G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.5M	5.7372G	5.8127G	75.8M	5.737G	5.8128G	500k	1
76.4M	5.7368G	5.8132G	76.1M	5.7368G	5.8129G	500k	2
76.4M	5.7368G	5.8132G	76M	5.7369G	5.8129G	500k	3
75.8M	5.7368G	5.8126G	75.9M	5.7369G	5.8128G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_4TX	-	-	-	-
5.15-5.25GHz	27.79	0.60117	30.43	1.10408
5.725-5.85GHz	29.97	0.99312	32.83	1.91867
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	27.99	0.62951	30.63	1.15611
5.725-5.85GHz	29.93	0.98401	32.79	1.90108
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	22.85	0.19275	25.49	0.35400
5.725-5.85GHz	29.96	0.99083	32.82	1.91426
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	21.51	0.14158	24.15	0.26002
5.725-5.85GHz	26.11	0.40832	28.97	0.78886
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	27.33	0.54075	35.87	3.86367
5.725-5.85GHz	27.75	0.59566	35.93	3.91742
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	22.33	0.17100	30.86	1.21899
5.725-5.85GHz	27.60	0.57544	35.78	3.78443
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	20.72	0.11803	29.26	0.84333
5.725-5.85GHz	26.28	0.42462	34.47	2.79898

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.64	19.70	20.01	20.78	20.18	26.21	30.00	28.85	36.00
5200MHz	Pass	2.64	21.08	21.21	21.17	23.21	27.79	30.00	30.43	36.00
5240MHz	Pass	2.64	18.91	19.40	20.18	21.61	26.17	30.00	28.81	36.00
5745MHz	Pass	2.86	23.26	24.49	24.32	23.13	29.86	30.00	32.72	36.00
5785MHz	Pass	2.86	23.29	24.50	24.53	23.31	29.97	30.00	32.83	36.00
5825MHz	Pass	2.86	23.34	24.24	24.28	23.44	29.87	30.00	32.73	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.64	18.80	19.31	20.06	19.39	25.43	30.00	28.07	36.00
5200MHz	Pass	2.64	21.20	21.33	21.67	23.31	27.99	30.00	30.63	36.00
5240MHz	Pass	2.64	20.86	21.04	22.27	23.07	27.93	30.00	30.57	36.00
5745MHz	Pass	2.86	23.27	24.49	24.34	23.38	29.93	30.00	32.79	36.00
5785MHz	Pass	2.86	23.05	24.35	24.29	23.31	29.81	30.00	32.67	36.00
5825MHz	Pass	2.86	23.55	24.13	24.04	23.32	29.79	30.00	32.65	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.64	16.75	16.55	16.62	17.36	22.85	30.00	25.49	36.00
5230MHz	Pass	2.64	15.95	14.91	15.42	16.74	21.83	30.00	24.47	36.00
5755MHz	Pass	2.86	22.58	23.14	24.10	22.72	29.20	30.00	32.06	36.00
5795MHz	Pass	2.86	23.54	23.68	25.05	23.27	29.96	30.00	32.82	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.64	14.89	15.91	15.45	15.66	21.51	30.00	24.15	36.00
5775MHz	Pass	2.86	19.81	19.90	20.85	19.71	26.11	30.00	28.97	36.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.54	20.67	21.20	21.57	21.66	27.31	27.46	35.85	36.00
5200MHz	Pass	8.54	20.67	20.62	20.90	22.66	27.32	27.46	35.86	36.00
5240MHz	Pass	8.54	20.35	20.60	21.30	22.62	27.33	27.46	35.87	36.00
5745MHz	Pass	8.19	21.15	22.26	22.09	21.30	27.75	27.81	35.93	36.00
5785MHz	Pass	8.19	21.01	21.92	22.13	21.22	27.62	27.81	35.80	36.00
5825MHz	Pass	8.19	21.15	21.76	22.14	21.10	27.58	27.81	35.77	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8.54	15.76	15.00	14.89	16.62	21.64	27.46	30.18	36.00
5230MHz	Pass	8.54	16.20	15.16	15.67	17.74	22.33	27.46	30.86	36.00
5755MHz	Pass	8.19	21.13	21.43	22.55	20.99	27.59	27.81	35.78	36.00
5795MHz	Pass	8.19	21.14	21.34	22.77	20.78	27.60	27.81	35.78	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8.54	14.28	14.82	14.39	15.24	20.72	27.46	29.26	36.00
5775MHz	Pass	8.19	20.11	20.20	20.94	19.72	26.28	27.81	34.47	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-
5.15-5.25GHz	13.22	21.76
5.725-5.85GHz	12.28	22.68
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	14.39	22.93
5.725-5.85GHz	12.20	22.61
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	6.87	15.41
5.725-5.85GHz	9.46	19.86
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	3.53	12.07
5.725-5.85GHz	2.62	13.02
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	12.63	21.17
5.725-5.85GHz	10.23	20.64
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	5.04	13.58
5.725-5.85GHz	7.34	17.75
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	1.23	9.77
5.725-5.85GHz	2.92	13.32

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

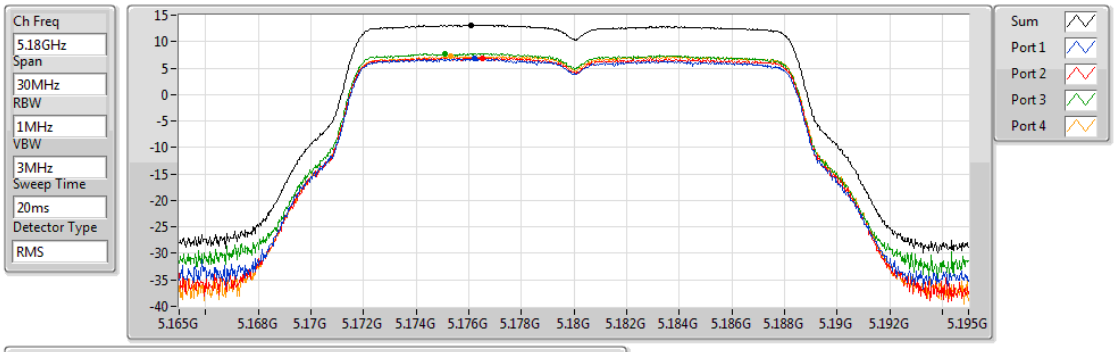
Result

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	-	-	-	-	-	-	-	-
5180MHz	Pass	8.54	6.77	6.91	7.78	7.24	13.11	14.46
5200MHz	Pass	8.54	6.58	6.98	7.12	8.16	13.22	14.46
5240MHz	Pass	8.54	4.86	4.91	5.98	7.23	11.83	14.46
5745MHz	Pass	8.19	5.64	7.14	6.78	5.71	14.39	27.81
5785MHz	Pass	8.19	5.62	6.89	7.06	5.87	14.50	27.81
5825MHz	Pass	8.19	5.55	6.51	6.82	5.66	14.28	27.81
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.54	5.77	6.06	6.88	6.33	12.18	14.46
5200MHz	Pass	8.54	6.29	6.59	6.91	8.29	13.03	14.46
5240MHz	Pass	8.54	7.55	7.64	8.81	9.64	14.39	14.46
5745MHz	Pass	8.19	5.81	6.94	7.04	5.79	14.42	27.81
5785MHz	Pass	8.19	5.37	6.46	6.63	5.55	14.01	27.81
5825MHz	Pass	8.19	5.33	6.08	6.29	5.30	13.85	27.81
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.54	1.15	0.73	0.94	1.49	6.87	14.46
5230MHz	Pass	8.54	0.37	-0.79	-0.63	0.92	5.90	14.46
5755MHz	Pass	8.19	2.54	2.85	3.83	2.42	10.95	27.81
5795MHz	Pass	8.19	2.86	3.78	4.64	2.71	11.68	27.81
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.54	-2.70	-1.79	-2.19	-2.59	3.53	14.46
5775MHz	Pass	8.19	-3.26	-3.26	-2.63	-3.42	4.84	27.81
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.54	5.94	6.14	6.76	6.83	12.36	14.46
5200MHz	Pass	8.54	5.97	6.06	6.36	8.00	12.63	14.46
5240MHz	Pass	8.54	5.68	5.83	6.81	7.92	12.61	14.46
5745MHz	Pass	8.19	3.69	4.79	4.78	4.00	12.45	27.81
5785MHz	Pass	8.19	3.39	4.68	4.61	3.67	12.22	27.81
5825MHz	Pass	8.19	3.32	4.23	4.11	3.48	11.91	27.81
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.54	-1.21	-1.85	-1.88	-0.69	4.44	14.46
5230MHz	Pass	8.54	-0.61	-1.94	-1.50	0.57	5.04	14.46
5755MHz	Pass	8.19	1.08	1.38	2.56	1.09	9.56	27.81
5795MHz	Pass	8.19	0.99	1.05	2.39	0.72	9.36	27.81
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.54	-5.06	-4.23	-4.91	-4.23	1.23	14.46
5775MHz	Pass	8.19	-2.65	-2.82	-2.20	-3.12	5.14	27.81

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

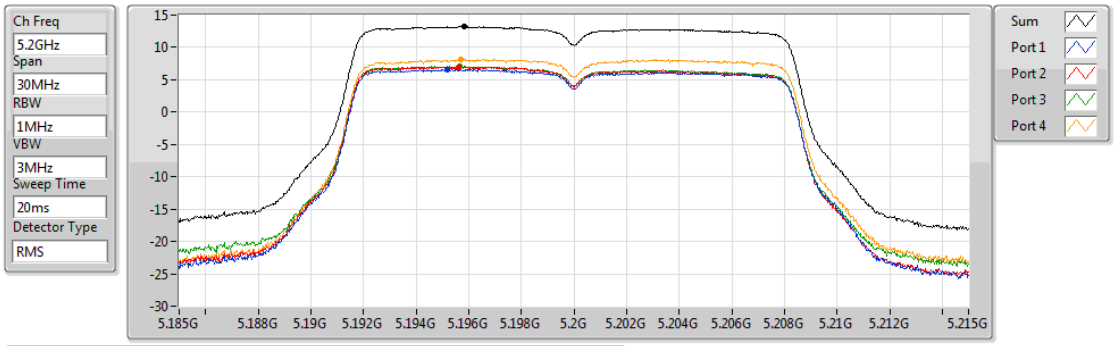
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.11	13.11	6.77	6.91	7.78	7.24

802.11a_(6Mbps)_4TX PSD

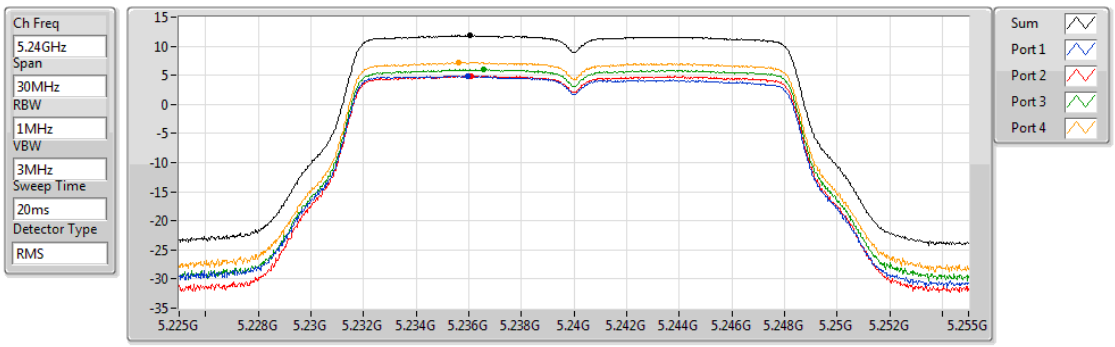
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.22	13.22	6.58	6.98	7.12	8.16

802.11a_(6Mbps)_4TX PSD

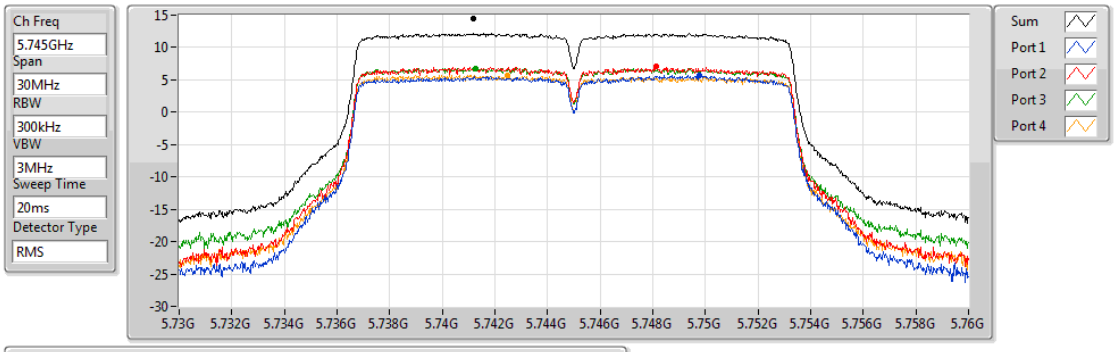
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.83	11.83	4.86	4.91	5.98	7.23

802.11a_(6Mbps)_4TX PSD

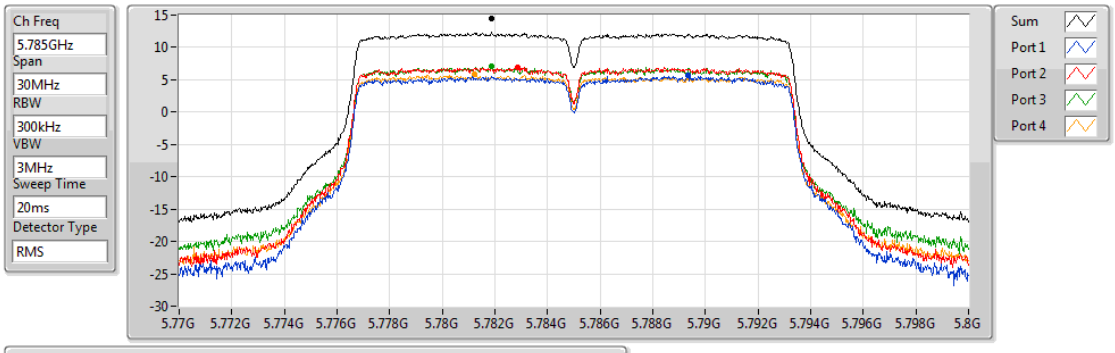
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.17	14.39	5.64	7.14	6.78	5.71

802.11a_(6Mbps)_4TX PSD

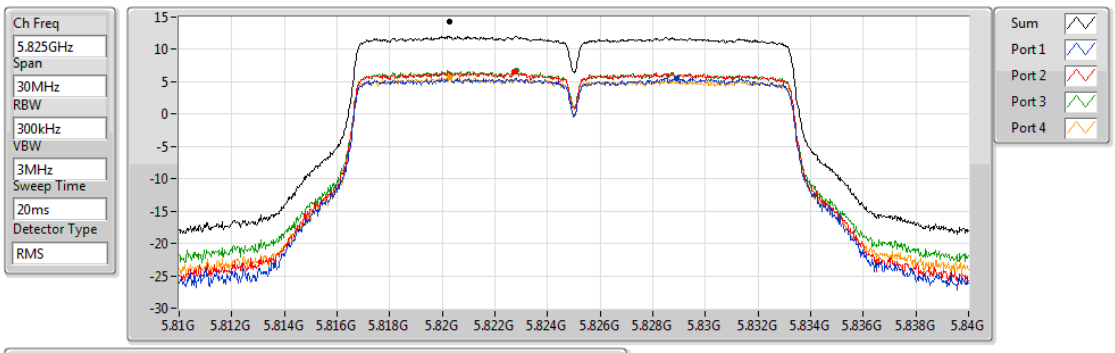
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.28	14.50	5.62	6.89	7.06	5.87

802.11a_(6Mbps)_4TX PSD

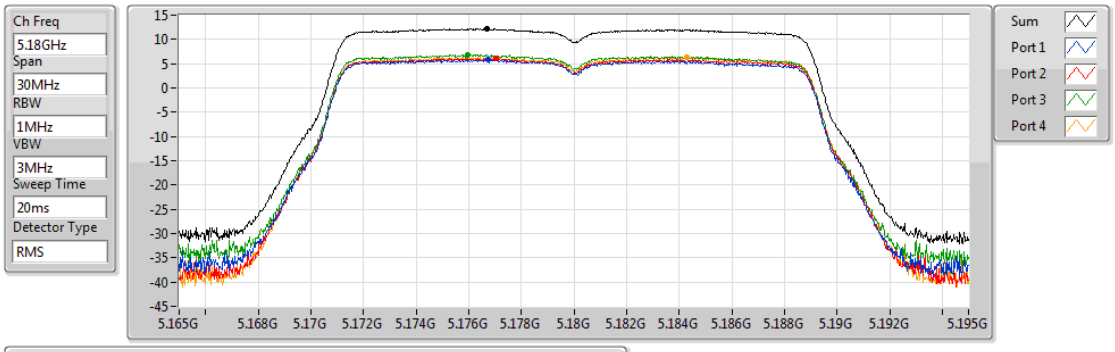
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.06	14.28	5.55	6.51	6.82	5.66

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

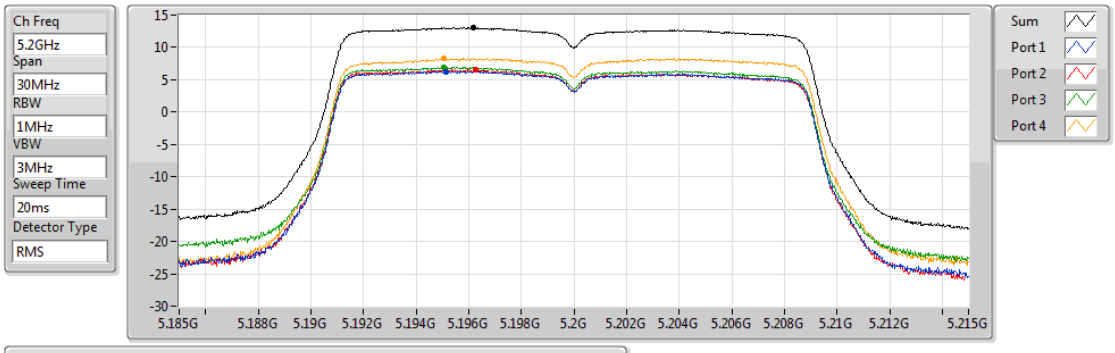
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.18	12.18	5.77	6.06	6.88	6.33

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

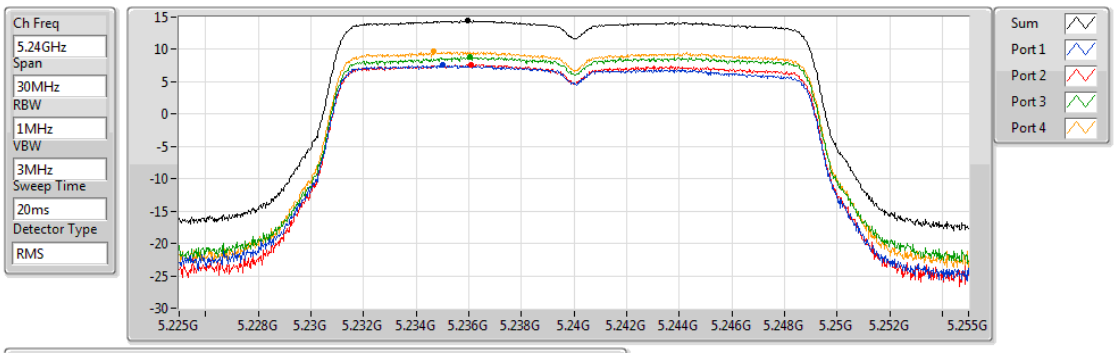
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.03	13.03	6.29	6.59	6.91	8.29

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

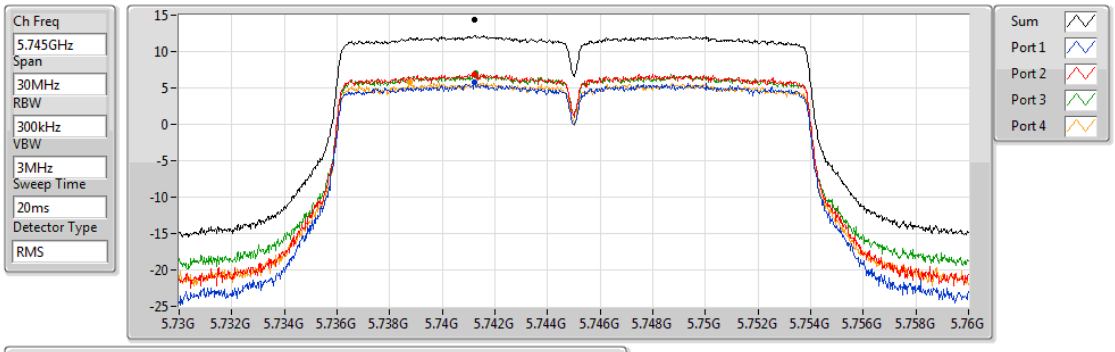
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.39	14.39	7.55	7.64	8.81	9.64

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

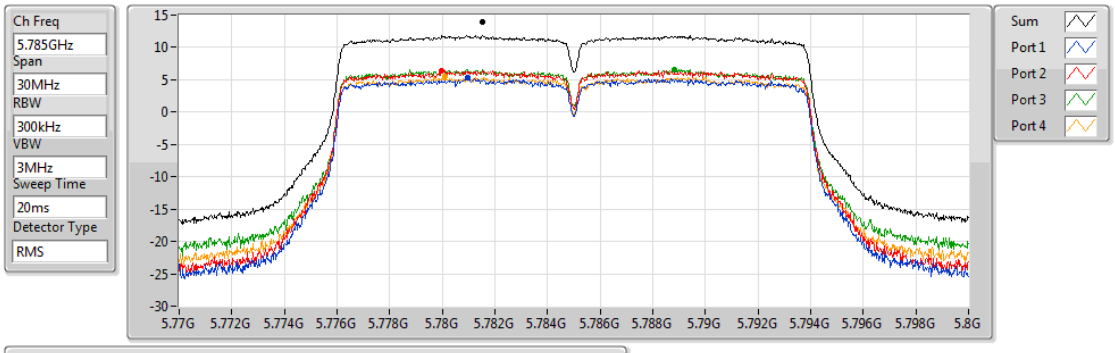
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.20	14.42	5.81	6.94	7.04	5.79

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

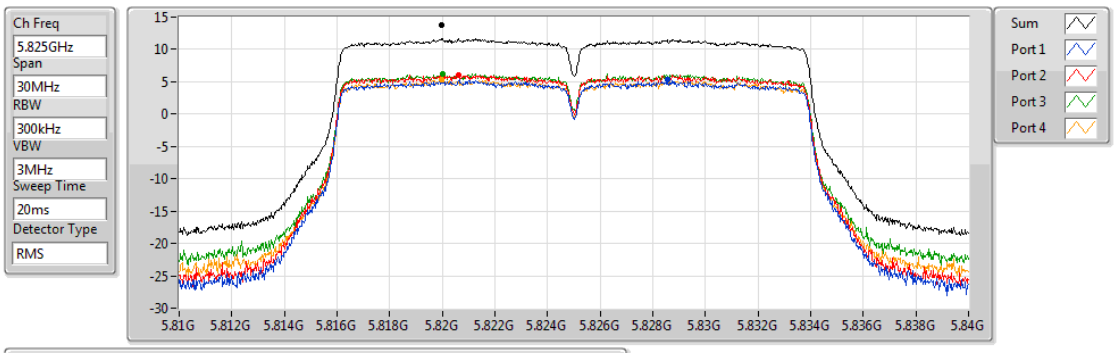
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.79	14.01	5.37	6.46	6.63	5.55

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

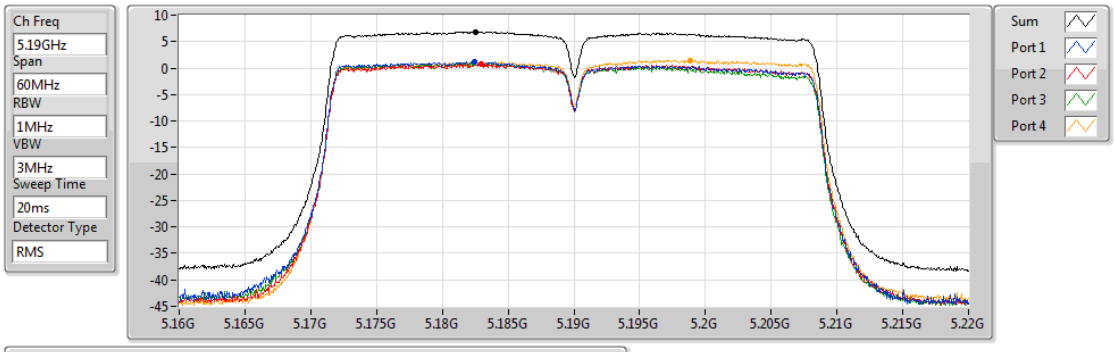
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.63	13.85	5.33	6.08	6.29	5.30

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

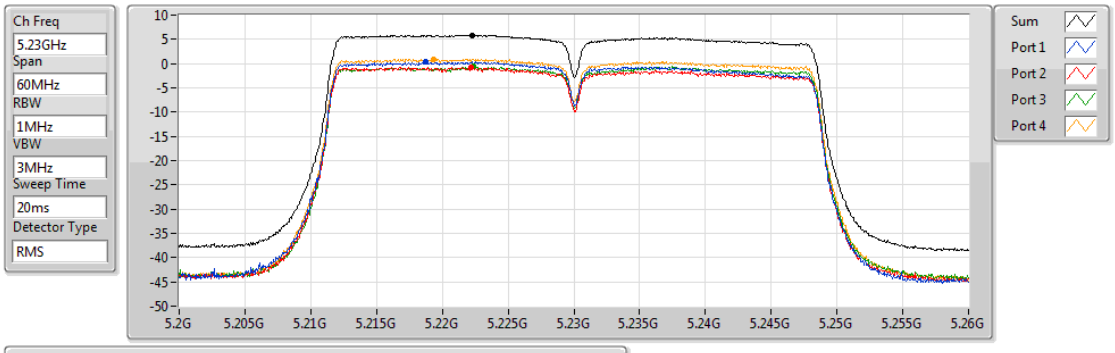
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.87	6.87	1.15	0.73	0.94	1.49

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

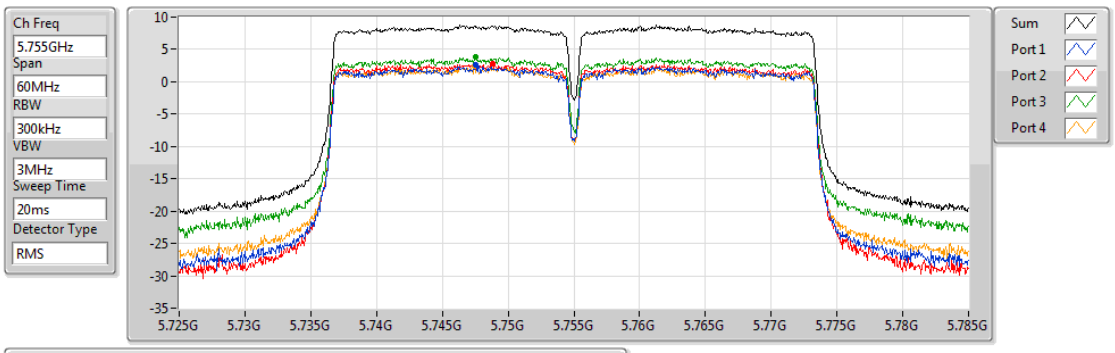
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.90	5.90	0.37	-0.79	-0.63	0.92

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

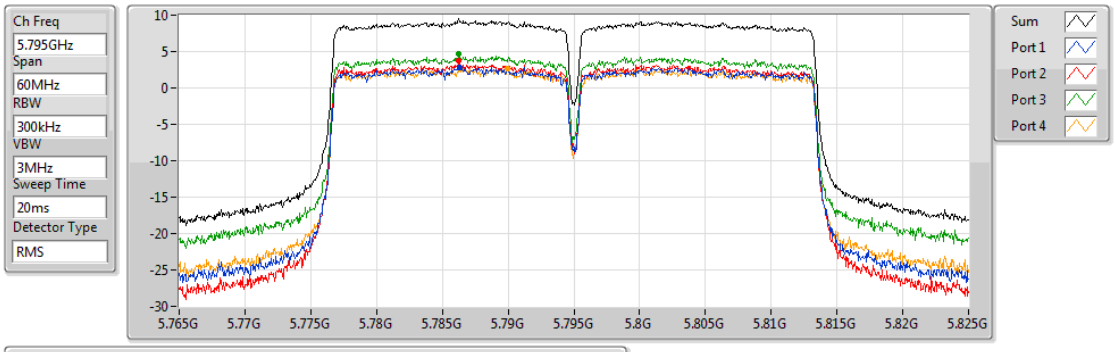
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.74	10.95	2.54	2.85	3.83	2.42

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

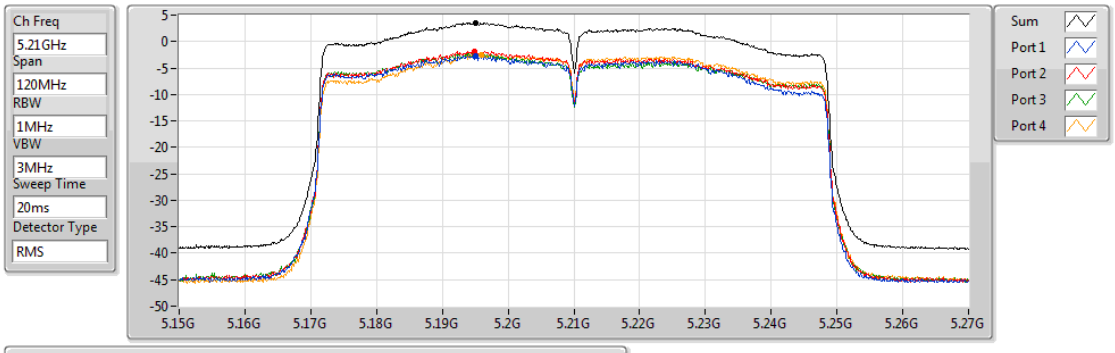
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.46	11.68	2.86	3.78	4.64	2.71

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

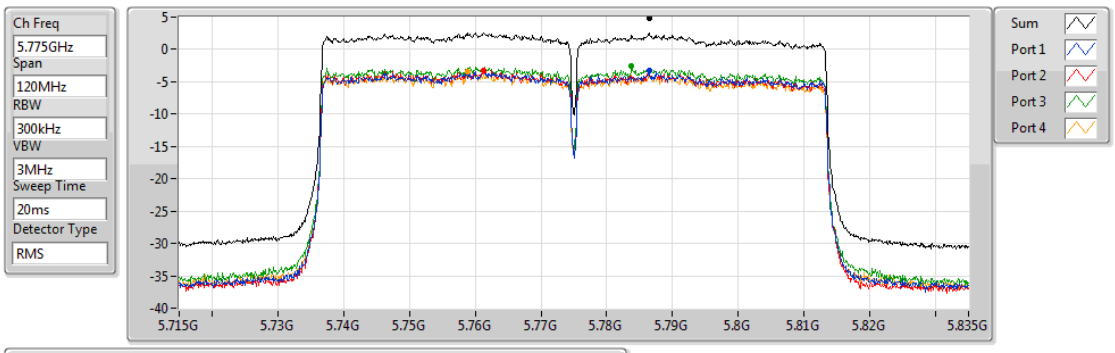
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.53	3.53	-2.70	-1.79	-2.19	-2.59

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

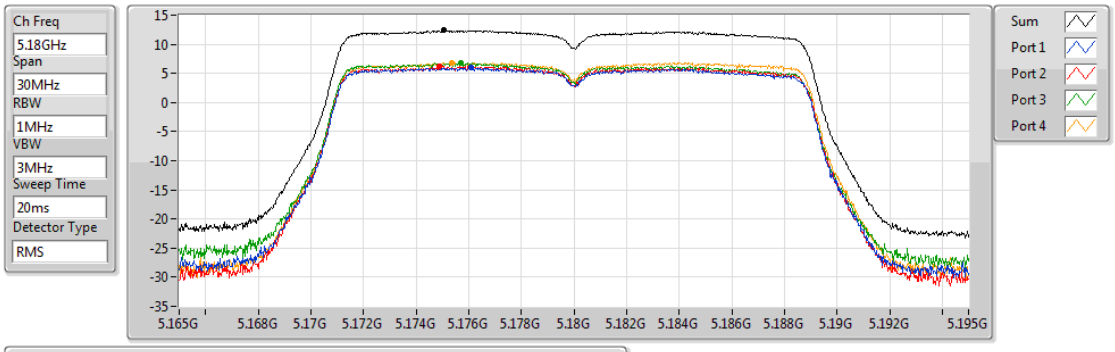
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.62	4.84	-3.26	-3.26	-2.63	-3.42

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

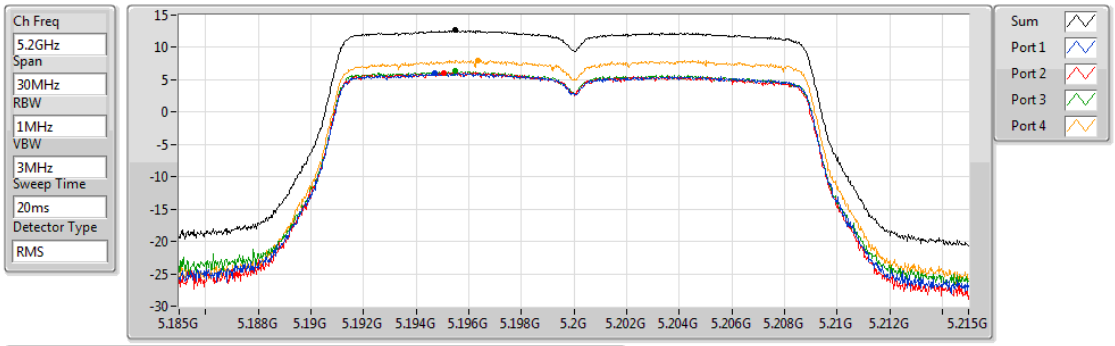
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.36	12.36	5.94	6.14	6.76	6.83

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

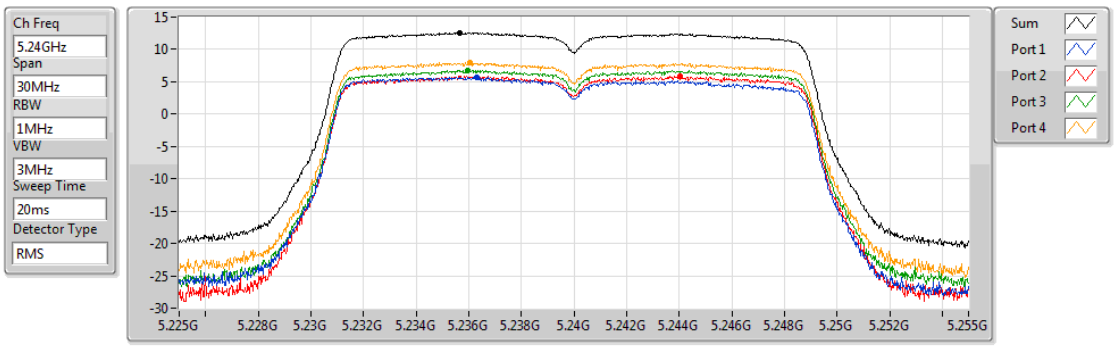
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.63	12.63	5.97	6.06	6.36	8.00

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

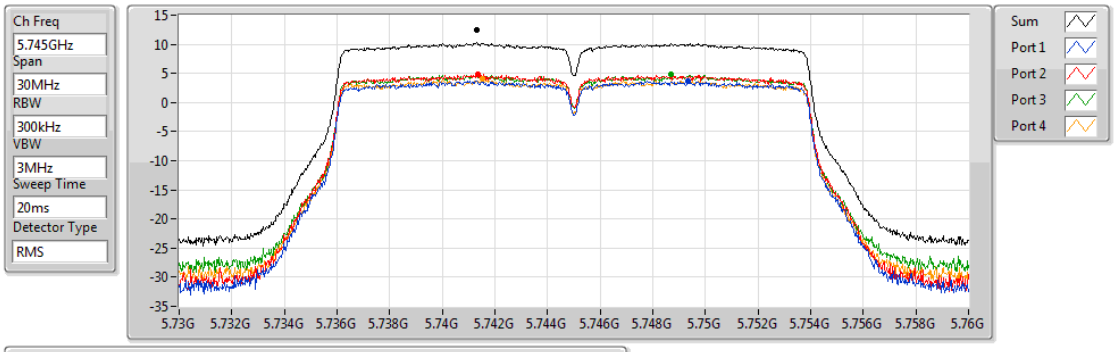
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.61	12.61	5.68	5.83	6.81	7.92

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

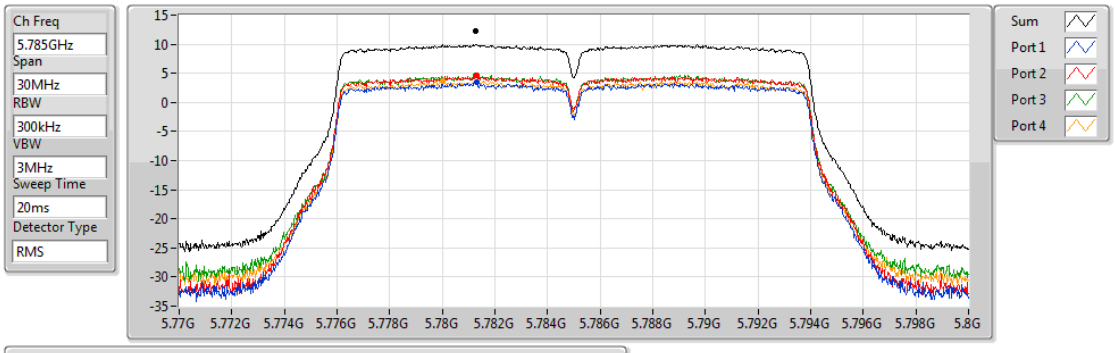
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.23	12.45	3.69	4.79	4.78	4.00

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

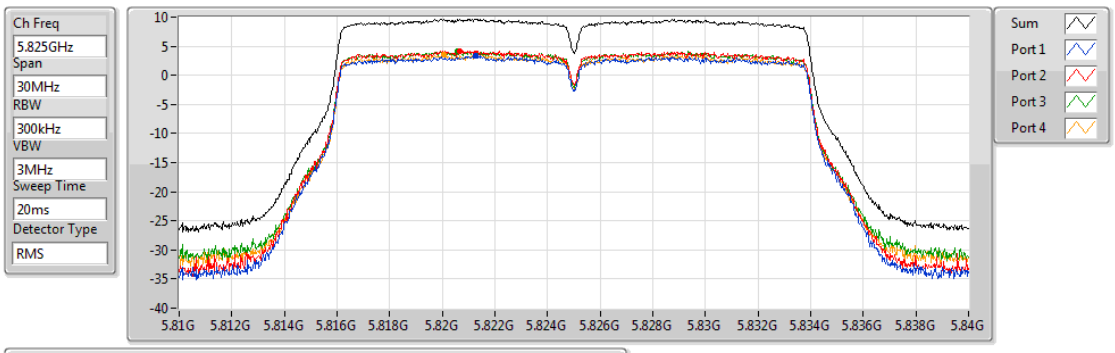
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.00	12.22	3.39	4.68	4.61	3.67

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

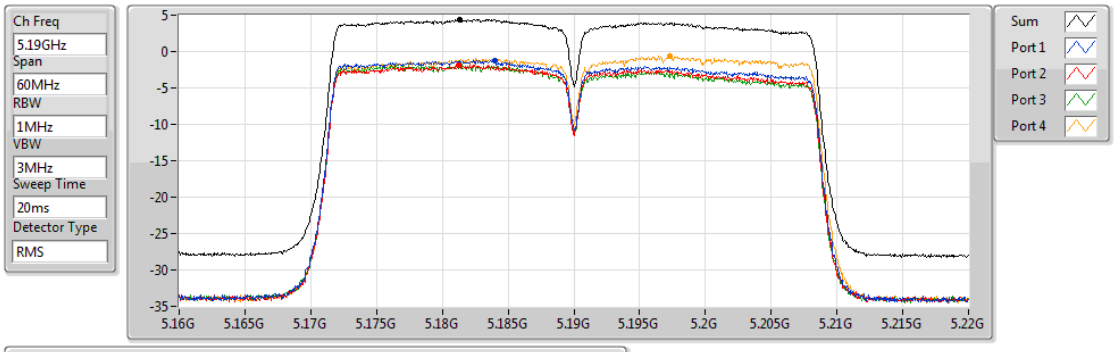
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.69	11.91	3.32	4.23	4.11	3.48

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

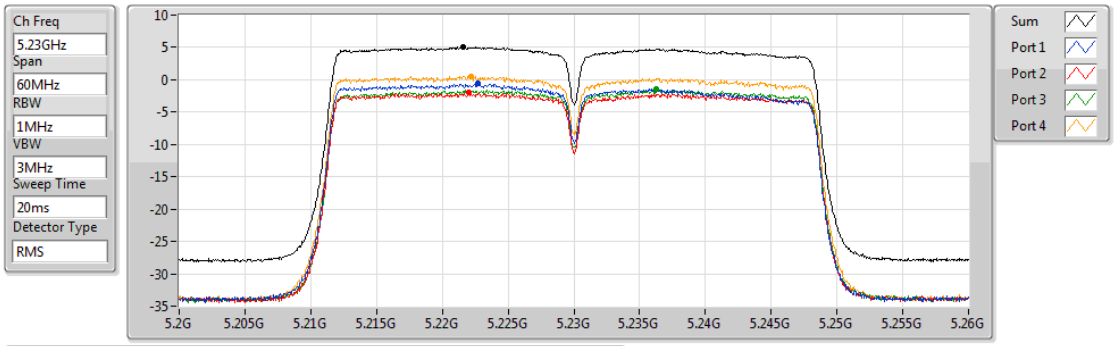
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.44	4.44	-1.21	-1.85	-1.88	-0.69

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

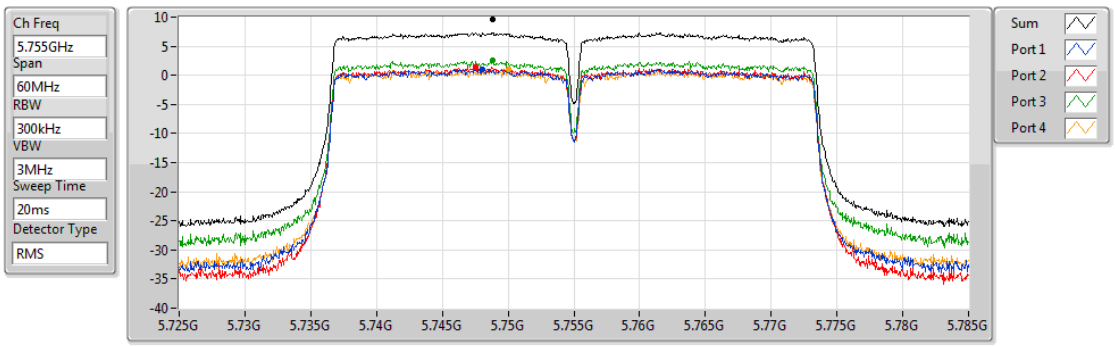
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.04	5.04	-0.61	-1.94	-1.50	0.57

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

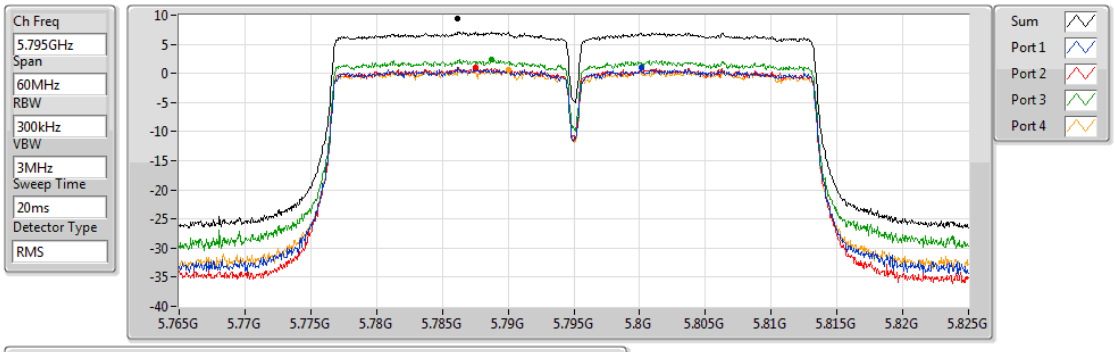
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.34	9.56	1.08	1.38	2.56	1.09

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

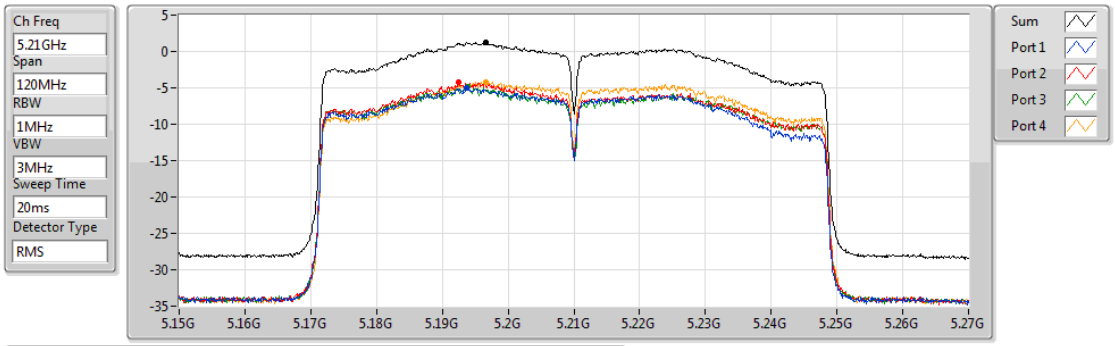
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.15	9.36	0.99	1.05	2.39	0.72

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

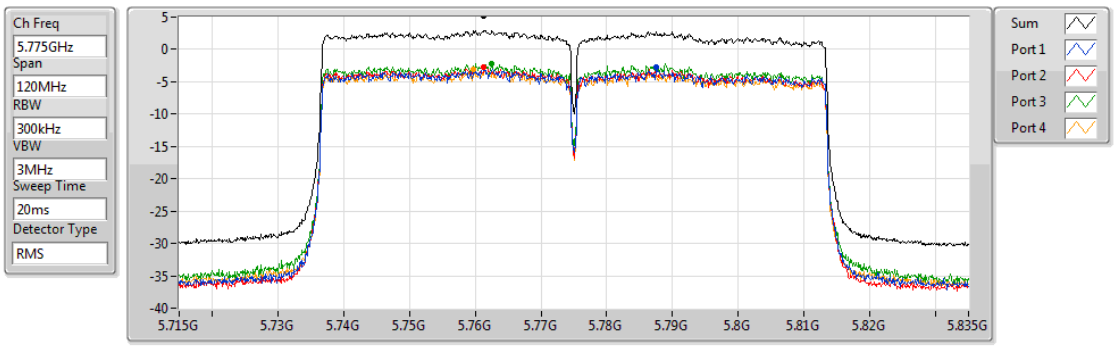
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.23	1.23	-5.06	-4.23	-4.91	-4.23

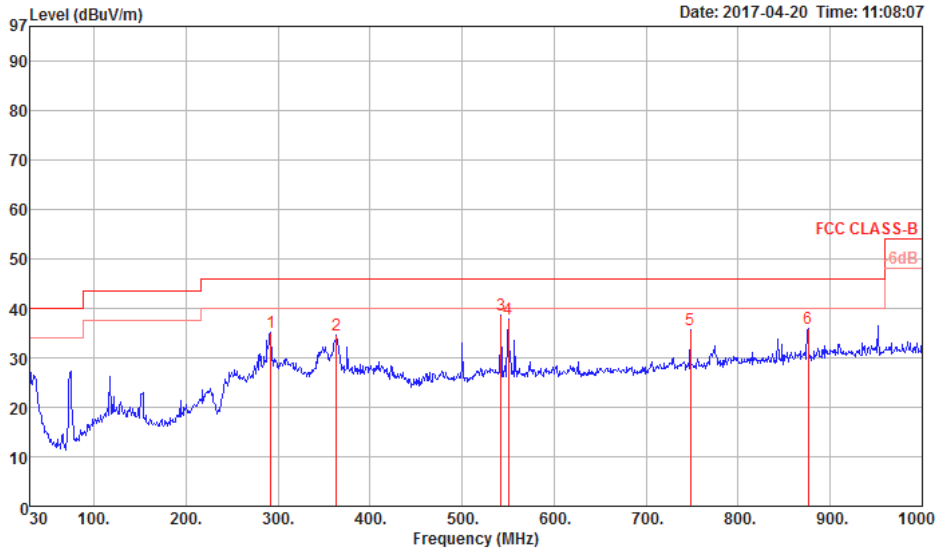
802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.92	5.14	-2.65	-2.82	-2.20	-3.12

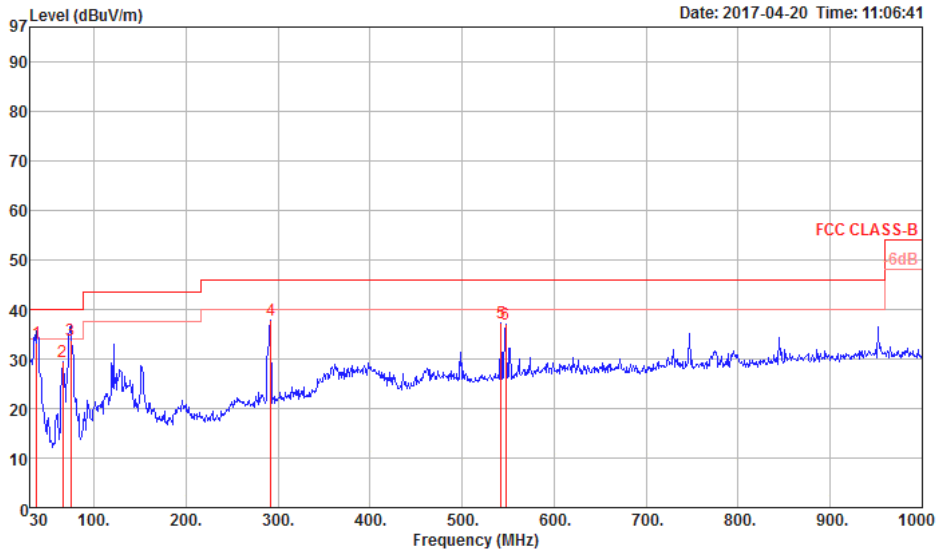
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	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	291.90	35.06	46.00	-10.94	41.44	1.48	19.54	27.40	100	0	Peak	HORIZONTAL
2	363.68	34.69	46.00	-11.31	39.40	1.70	21.48	27.89	100	0	Peak	HORIZONTAL
3	542.16	38.66	46.00	-7.34	40.80	2.15	24.36	28.65	100	0	Peak	HORIZONTAL
4	549.92	37.91	46.00	-8.09	39.92	2.17	24.47	28.65	100	0	Peak	HORIZONTAL
5	747.80	35.53	46.00	-10.47	34.98	2.67	26.26	28.38	100	0	Peak	HORIZONTAL
6	875.84	35.92	46.00	-10.08	33.66	2.93	27.25	27.92	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	37.76	33.30	40.00	-6.70	40.49	0.26	20.96	28.41	157	28	QP	VERTICAL
2	65.89	29.49	40.00	-10.51	44.91	0.47	12.44	28.33	100	360	Peak	VERTICAL
3	74.62	33.86	40.00	-6.14	48.78	0.55	12.83	28.30	142	215	QP	VERTICAL
4	291.90	37.75	46.00	-8.25	44.13	1.48	19.54	27.40	100	360	Peak	VERTICAL
5	542.16	37.25	46.00	-8.75	39.39	2.15	24.36	28.65	100	360	Peak	VERTICAL
6	547.01	36.93	46.00	-9.07	38.98	2.16	24.44	28.65	100	360	Peak	VERTICAL

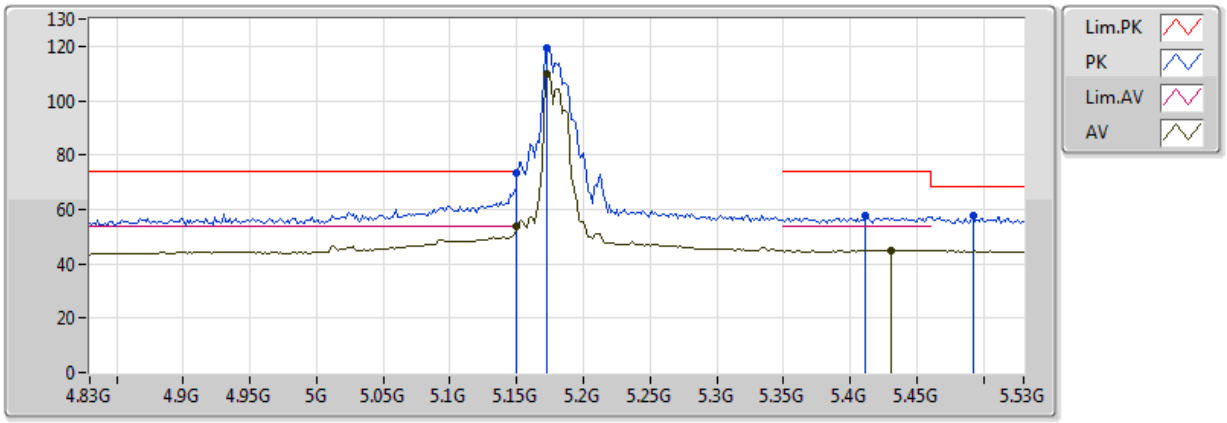
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.083G	53.97	54.00	-0.03	5.30	3	V	247	1.44	-

802.11a_(6Mbps)_4TX

5180MHz_TX

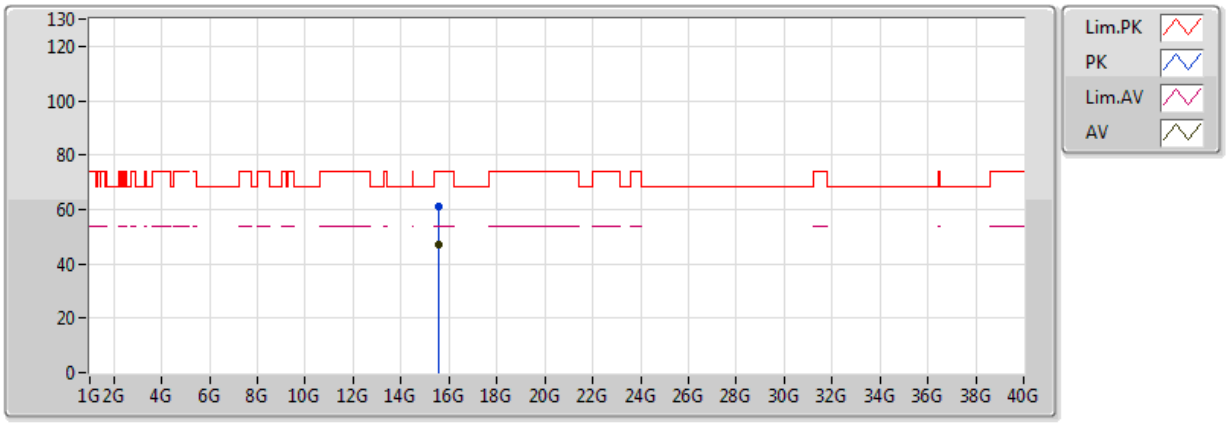


20170303
EUT Z_4TX
Setting 78
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.86	54.00	-0.14	5.44	3	V	255	1.09	-
AV	5.173G	109.83	Inf	-Inf	5.49	3	V	255	1.09	-
AV	5.4306G	44.93	54.00	-9.07	5.99	3	V	255	1.09	-
PK	5.149995G	73.52	74.00	-0.48	5.44	3	V	255	1.09	-
PK	5.173G	119.16	Inf	-Inf	5.49	3	V	255	1.09	-
PK	5.411G	57.93	74.00	-16.07	5.94	3	V	255	1.09	-
PK	5.4922G	57.62	68.20	-10.58	6.14	3	V	255	1.09	-

802.11a_(6Mbps)_4TX

5180MHz_TX

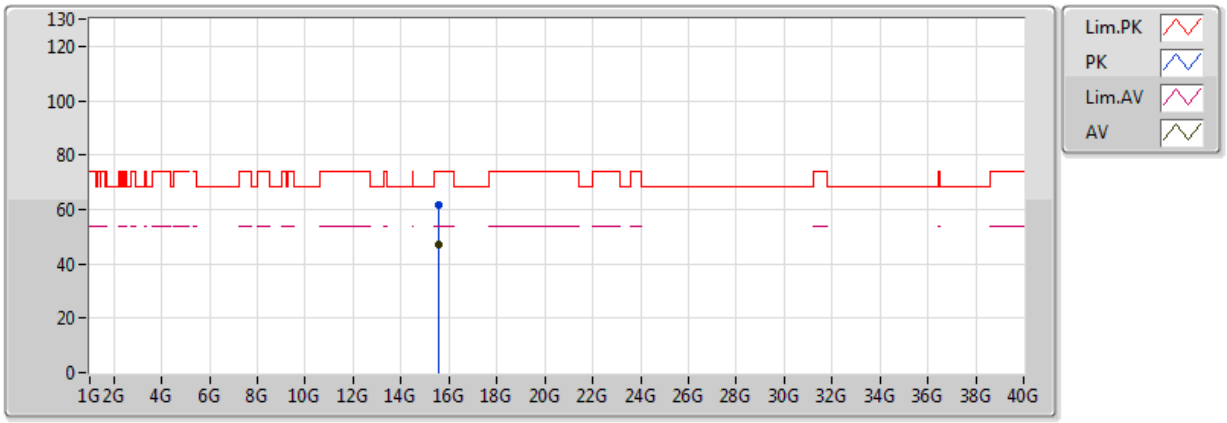


20170303
EUT Z_4TX
Setting 78
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.539608G	47.21	54.00	-6.79	18.11	3	V	66	2.43	-
PK	15.54078G	60.84	74.00	-13.16	18.11	3	V	66	2.43	-

802.11a_(6Mbps)_4TX

5180MHz_TX

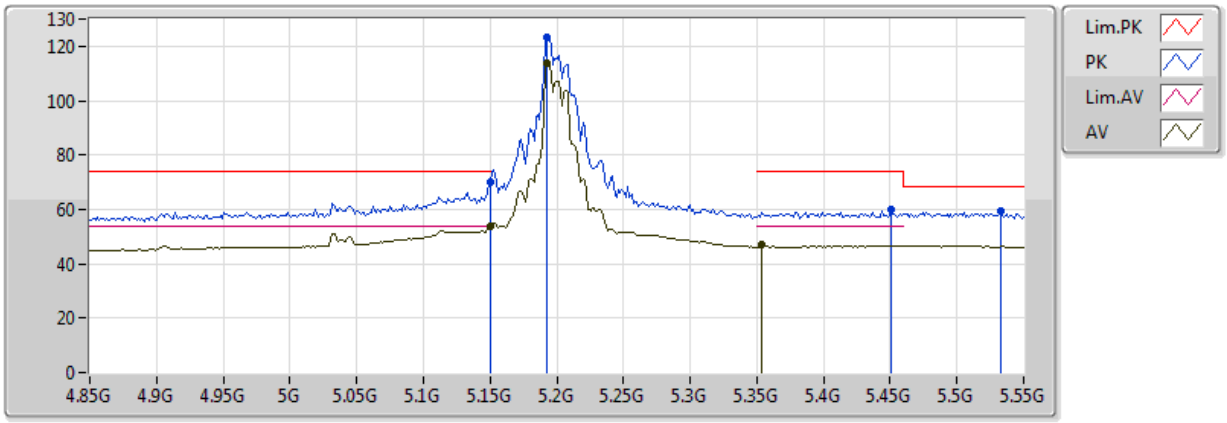


20170303
EUT Z_4TX
Setting 78
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.540392G	47.19	54.00	-6.81	18.11	3	H	110	2.28	-
PK	15.540556G	61.72	74.00	-12.28	18.11	3	H	110	2.28	-

802.11a_(6Mbps)_4TX

5200MHz_TX

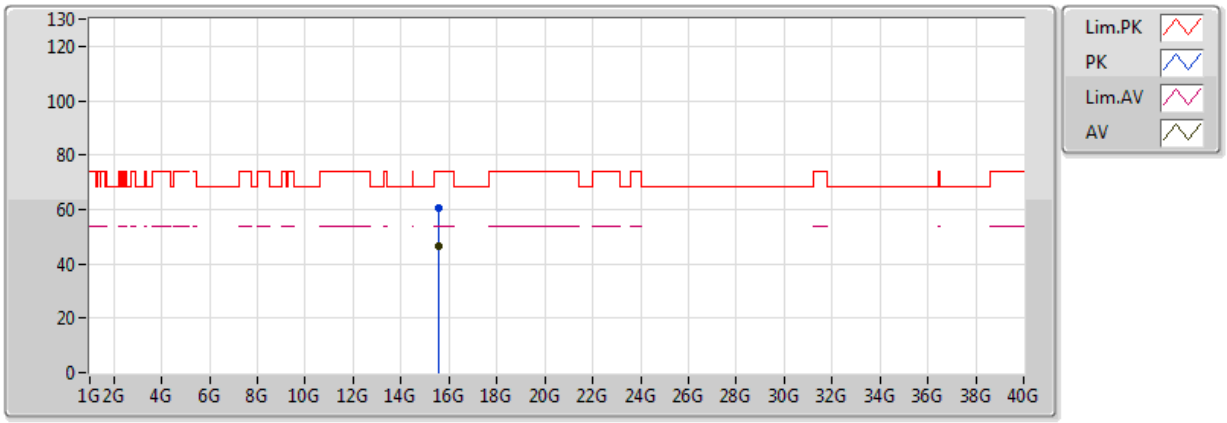


20170224
EUT Z_4TX
Setting 89
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.70	54.00	-0.30	5.44	3	V	253	1.09	-
AV	5.193G	113.66	Inf	-Inf	5.54	3	V	253	1.09	-
AV	5.354G	46.84	54.00	-7.16	5.83	3	V	253	1.09	-
PK	5.149995G	70.29	74.00	-3.71	5.44	3	V	253	1.09	-
PK	5.193G	123.22	Inf	-Inf	5.54	3	V	253	1.09	-
PK	5.4506G	60.00	74.00	-14.00	6.04	3	V	253	1.09	-
PK	5.5332G	59.48	68.20	-8.72	6.19	3	V	253	1.09	-

802.11a_(6Mbps)_4TX

5200MHz_TX

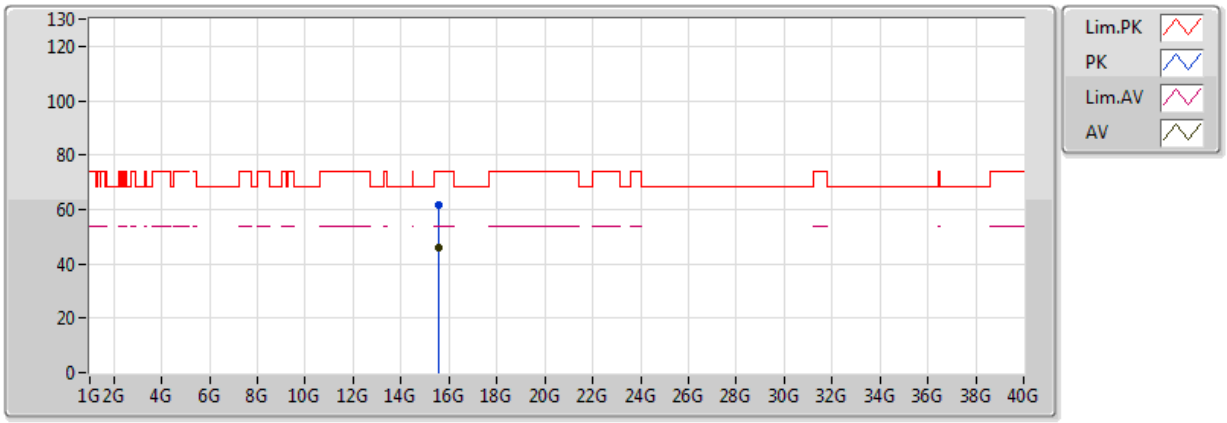


20170303
EUT Z_4TX
Setting 89
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.600364G	46.66	54.00	-7.34	17.96	3	V	213	1.50	-
PK	15.59984G	60.73	74.00	-13.27	17.96	3	V	213	1.50	-

802.11a_(6Mbps)_4TX

5200MHz_TX

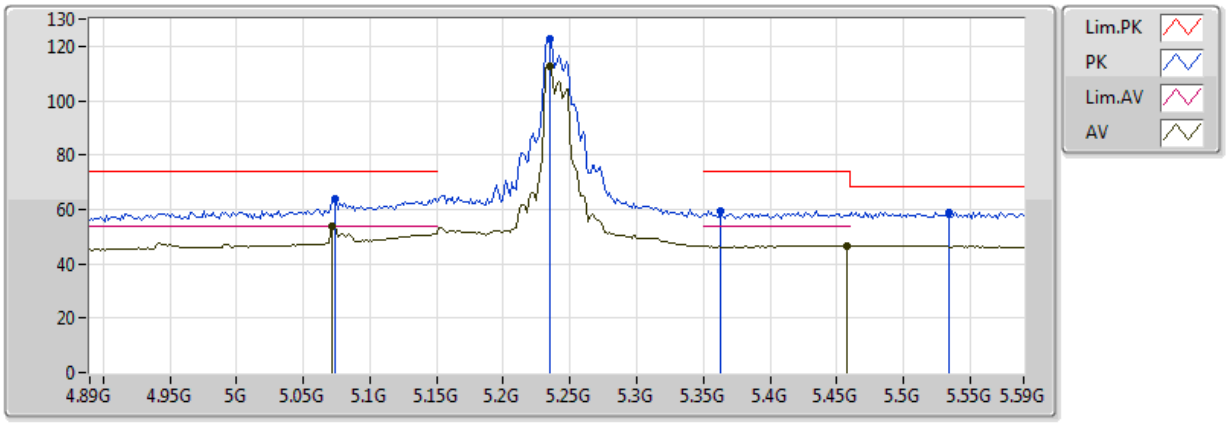


20170303
EUT Z_4TX
Setting 89
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.600016G	46.02	54.00	-7.98	17.96	3	H	86	1.68	-
PK	15.599316G	61.50	74.00	-12.50	17.96	3	H	86	1.68	-

802.11a_(6Mbps)_4TX

5240MHz_TX

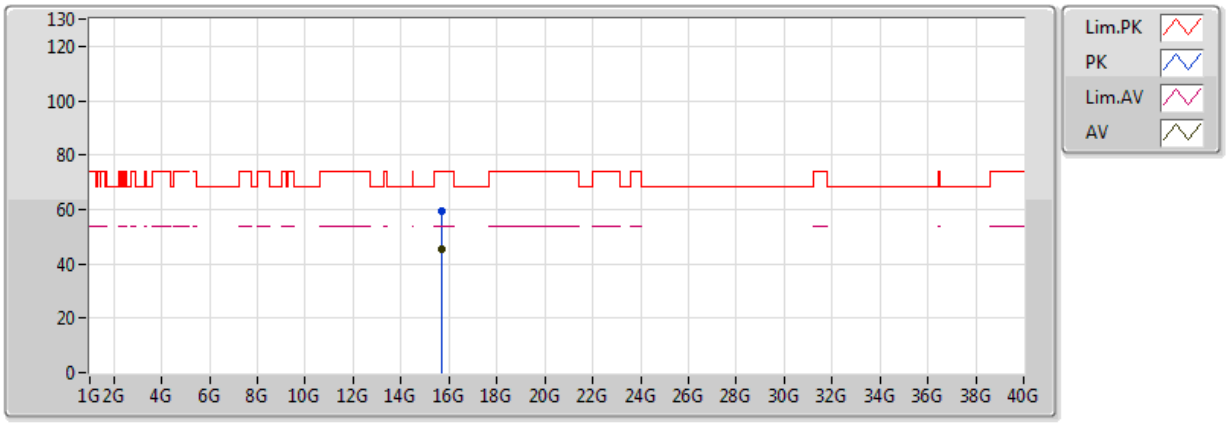


20170224
EUT Z_4TX
Setting 84
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.072G	53.80	54.00	-0.20	5.27	3	V	254	1.01	-
AV	5.2344G	112.85	Inf	-Inf	5.62	3	V	254	1.01	-
AV	5.457G	46.68	54.00	-7.32	6.05	3	V	254	1.01	-
PK	5.0734G	63.86	74.00	-10.14	5.27	3	V	254	1.01	-
PK	5.2344G	122.70	Inf	-Inf	5.62	3	V	254	1.01	-
PK	5.3632G	59.61	74.00	-14.39	5.85	3	V	254	1.01	-
PK	5.534G	58.93	68.20	-9.27	6.19	3	V	254	1.01	-

802.11a_(6Mbps)_4TX

5240MHz_TX

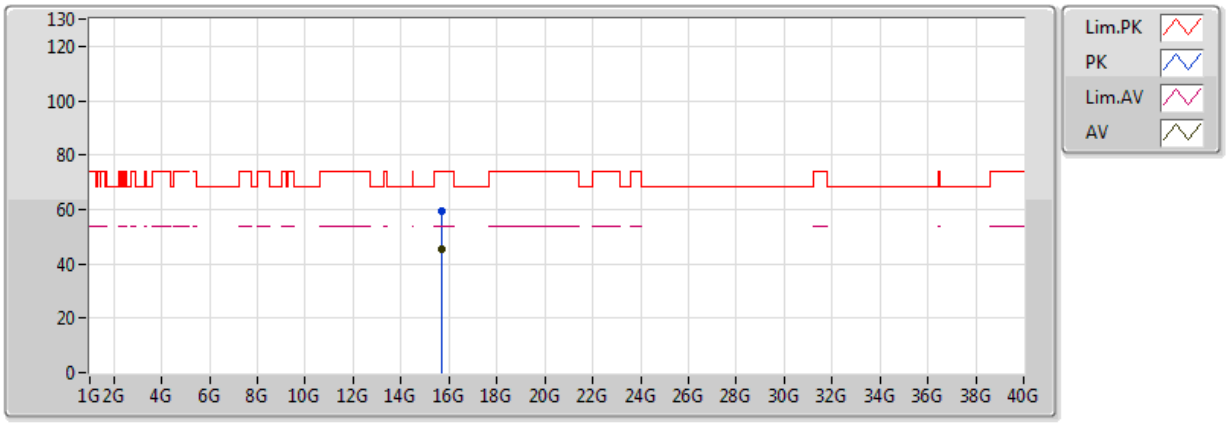


20170303
EUT Z_4TX
Setting 84
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.720648G	45.59	54.00	-8.41	17.65	3	V	148	1.35	-
PK	15.719188G	59.62	74.00	-14.38	17.65	3	V	148	1.35	-

802.11a_(6Mbps)_4TX

5240MHz_TX

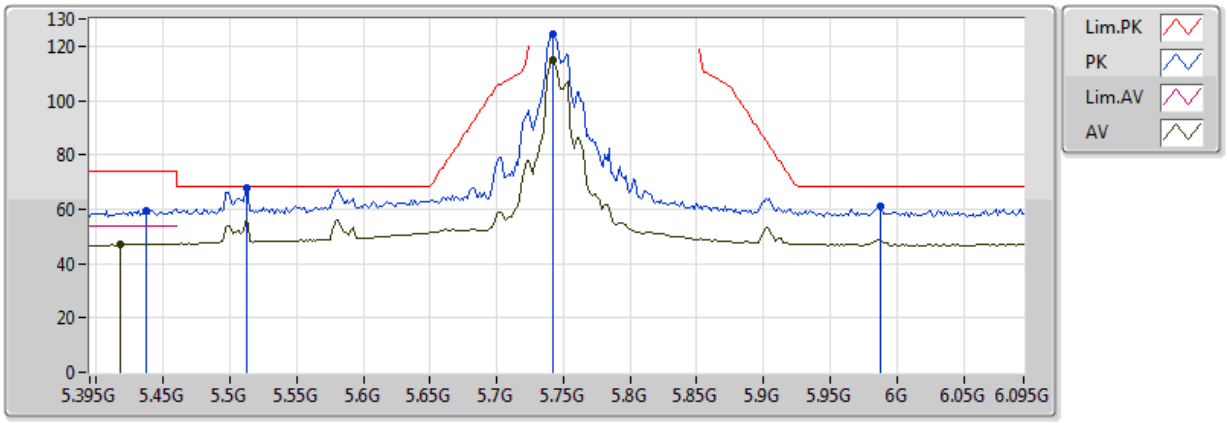


20170303
EUT Z_4TX
Setting 84
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.720836G	45.53	54.00	-8.47	17.65	3	H	26	1.71	-
PK	15.720176G	59.35	74.00	-14.65	17.65	3	H	26	1.71	-

802.11a_(6Mbps)_4TX

5745MHz_TX

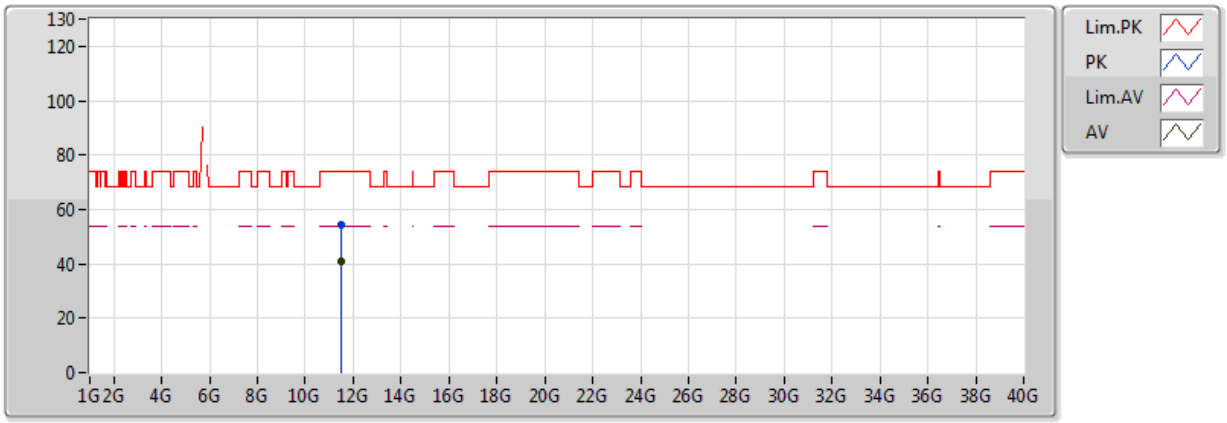


20170224
EUT Z_4TX
Setting 99
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4174G	47.32	54.00	-6.68	5.95	3	V	165	1.06	-
AV	5.7422G	114.94	Inf	-Inf	6.25	3	V	165	1.06	-
PK	5.437G	59.48	74.00	-14.52	6.00	3	V	165	1.06	-
PK	5.5126G	67.85	68.20	-0.35	6.17	3	V	165	1.06	-
PK	5.7422G	124.50	Inf	-Inf	6.25	3	V	165	1.06	-
PK	5.9872G	61.03	68.20	-7.17	6.16	3	V	165	1.06	-

802.11a_(6Mbps)_4TX

5745MHz_TX

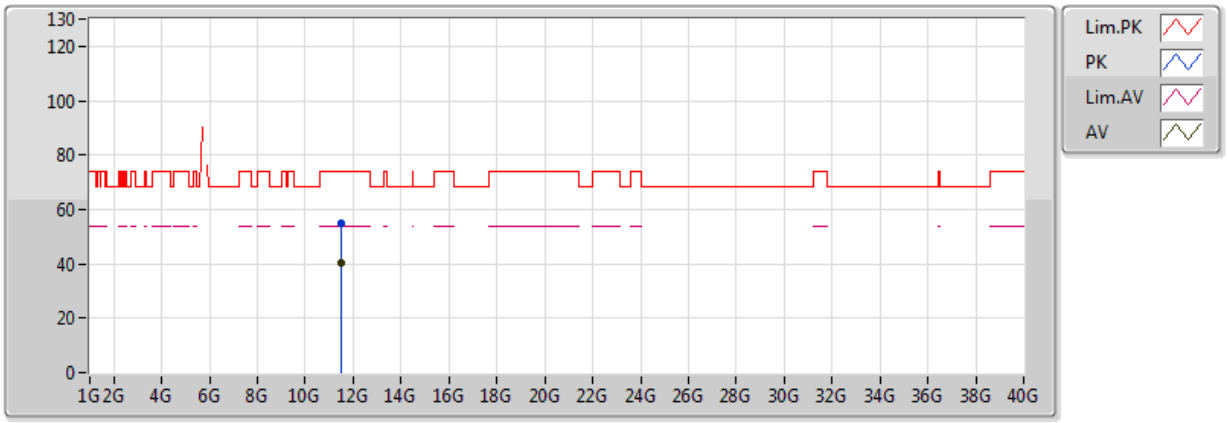


20170303
EUT Z_4TX
Setting 99
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.489732G	40.96	54.00	-13.04	16.31	3	V	236	1.61	-
PK	11.489732G	54.61	74.00	-19.39	16.31	3	V	236	1.61	-

802.11a_(6Mbps)_4TX

5745MHz_TX

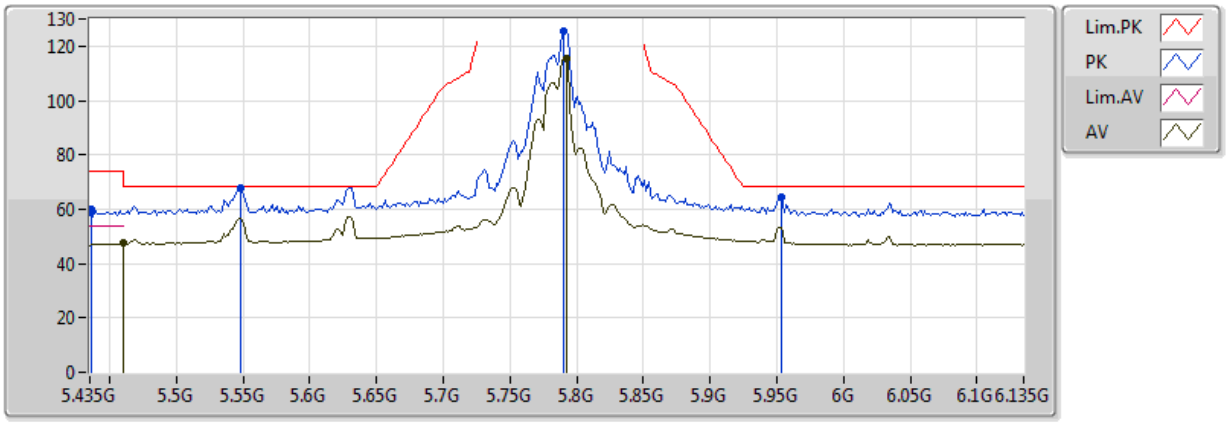


20170303
EUT Z_4TX
Setting 99
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.48942G	40.53	54.00	-13.47	16.31	3	H	99	1.60	-
PK	11.48958G	55.03	74.00	-18.97	16.31	3	H	99	1.60	-

802.11a_(6Mbps)_4TX

5785MHz_TX

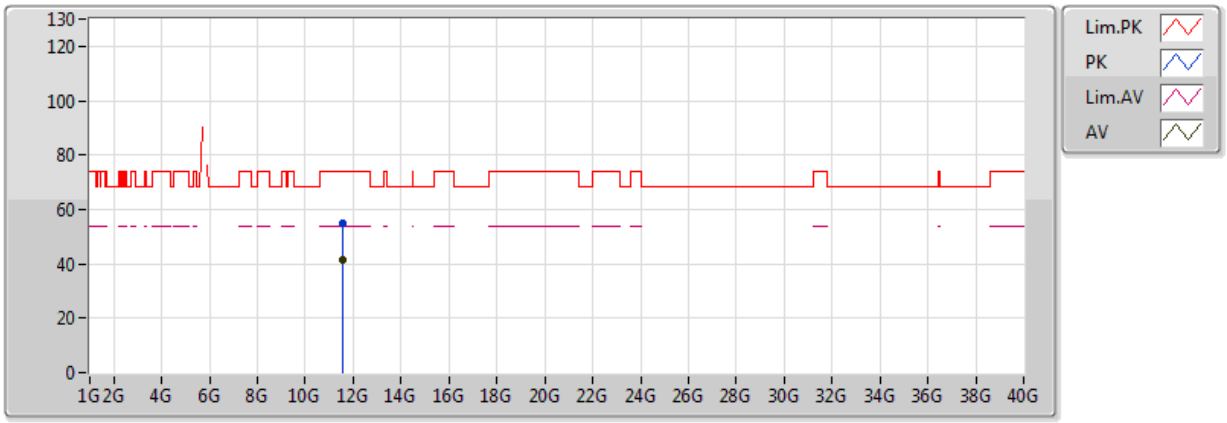


20170224
EUT Z_4TX
Setting 101
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459995G	47.47	54.00	-6.53	6.06	3	V	158	2.70	-
AV	5.792G	115.67	Inf	-Inf	6.25	3	V	158	2.70	-
PK	5.4364G	59.85	74.00	-14.15	6.00	3	V	158	2.70	-
PK	5.5484G	67.92	68.20	-0.28	6.20	3	V	158	2.70	-
PK	5.7906G	125.59	Inf	-Inf	6.25	3	V	158	2.70	-
PK	5.953G	64.57	68.20	-3.63	6.17	3	V	158	2.70	-

802.11a_(6Mbps)_4TX

5785MHz_TX

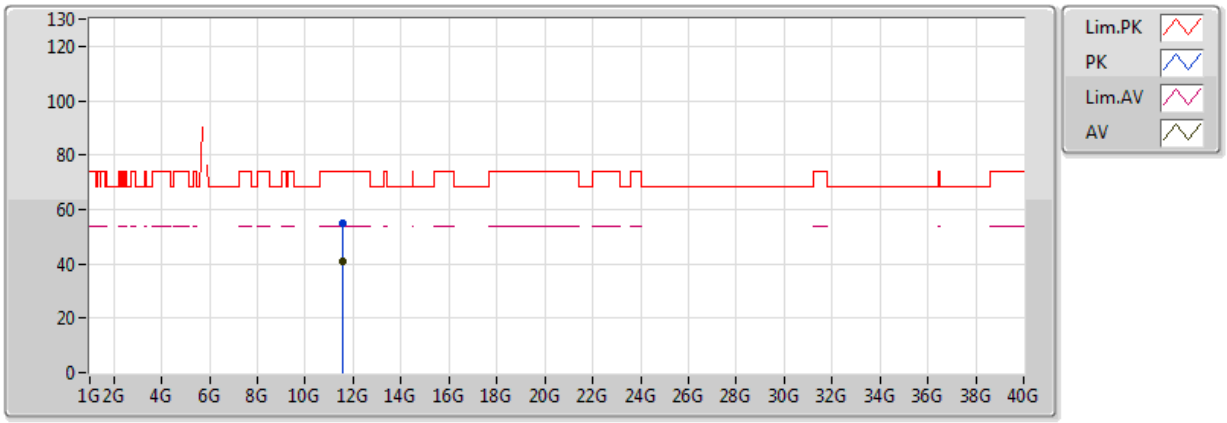


20170303
EUT Z_4TX
Setting 101
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.570972G	41.19	54.00	-12.81	16.40	3	V	97	1.92	-
PK	11.569856G	55.05	74.00	-18.95	16.39	3	V	97	1.92	-

802.11a_(6Mbps)_4TX

5785MHz_TX

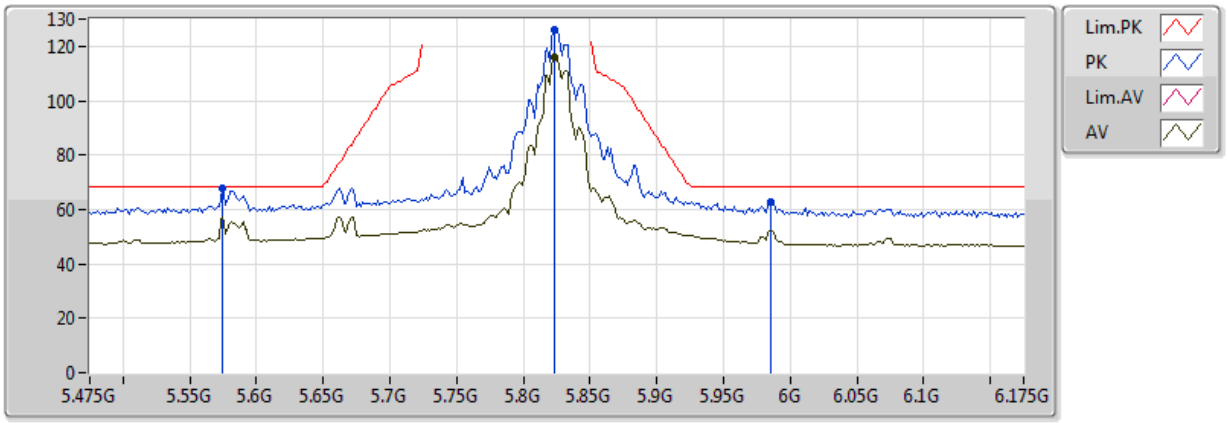


20170303
EUT Z_4TX
Setting 101
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.570796G	41.12	54.00	-12.88	16.40	3	H	340	1.84	-
PK	11.569088G	55.11	74.00	-18.89	16.39	3	H	340	1.84	-

802.11a_(6Mbps)_4TX

5825MHz_TX

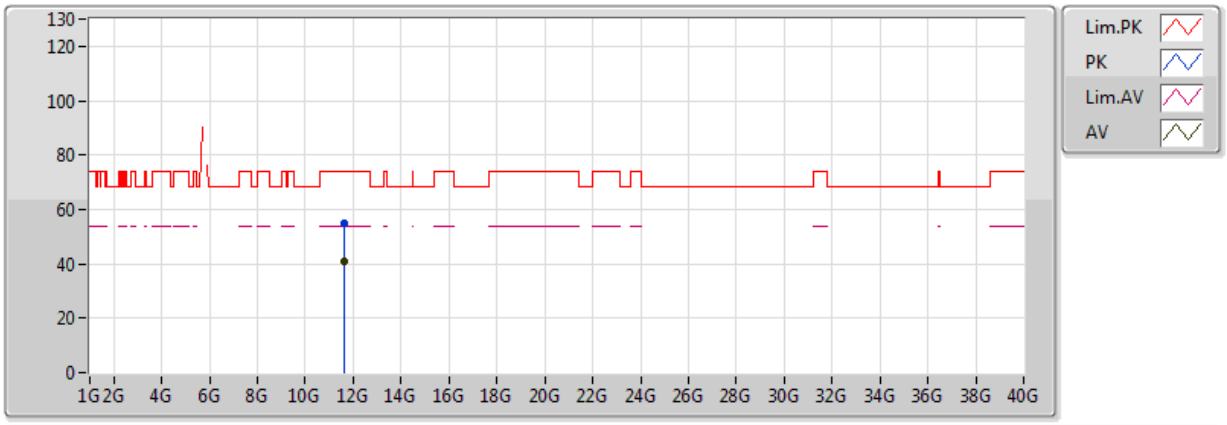


20170224
EUT Z_4TX
Setting 103
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8236G	115.98	Inf	-Inf	6.24	3	V	168	1.88	-
PK	5.5744G	67.95	68.20	-0.25	6.22	3	V	168	1.88	-
PK	5.8236G	126.05	Inf	-Inf	6.24	3	V	168	1.88	-
PK	5.986G	62.58	68.20	-5.62	6.16	3	V	168	1.88	-

802.11a_(6Mbps)_4TX

5825MHz_TX

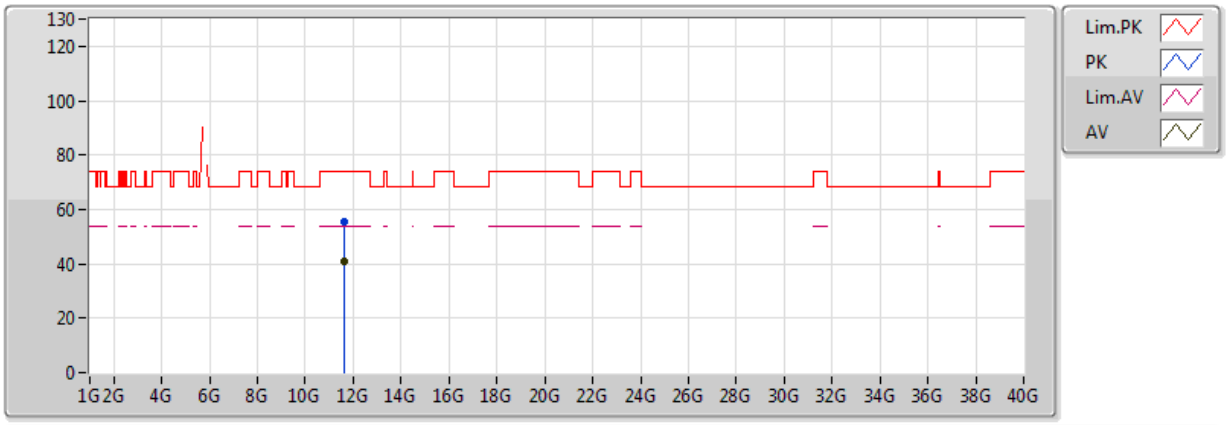


20170303
EUT Z_4TX
Setting 103
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.64912G	41.12	54.00	-12.88	16.47	3	V	71	1.55	-
PK	11.650832G	55.19	74.00	-18.81	16.47	3	V	71	1.55	-

802.11a_(6Mbps)_4TX

5825MHz_TX

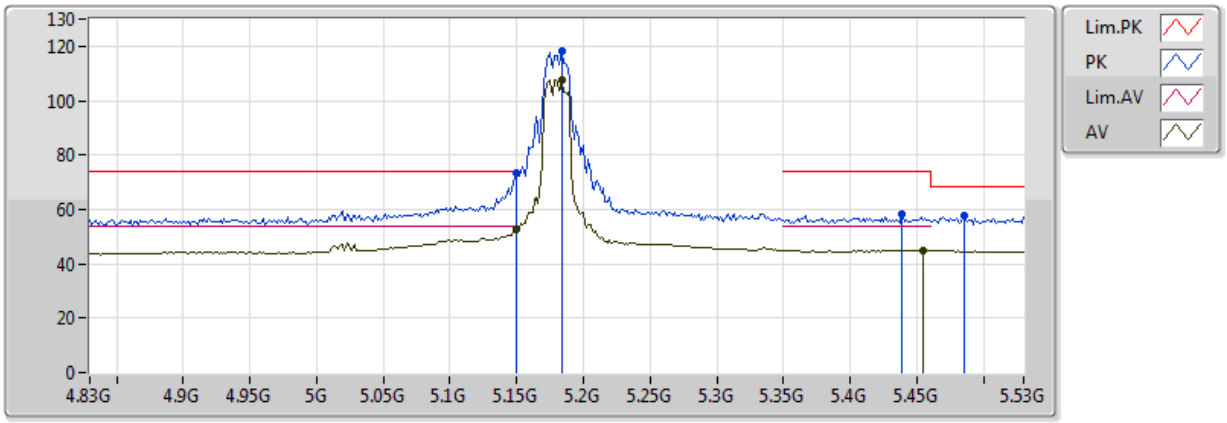


20170303
EUT Z_4TX
Setting 103
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.650528G	41.08	54.00	-12.92	16.47	3	H	138	1.83	-
PK	11.650084G	55.37	74.00	-18.63	16.47	3	H	138	1.83	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

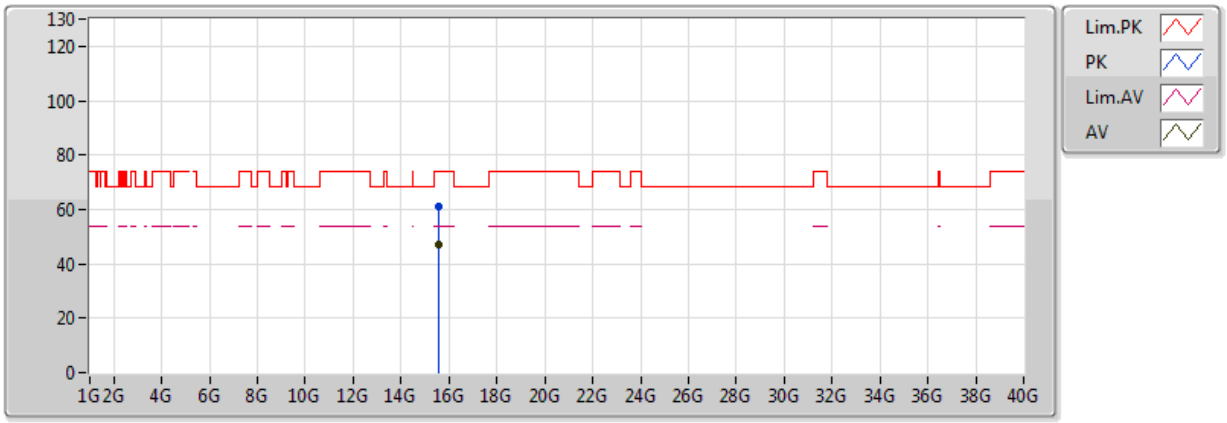


20170303
EUT Z_4TX
Setting 75
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.41	54.00	-1.59	5.44	3	V	249	1.56	-
AV	5.1842G	107.76	Inf	-Inf	5.52	3	V	249	1.56	-
AV	5.4544G	44.89	54.00	-9.11	6.05	3	V	249	1.56	-
PK	5.149995G	73.65	74.00	-0.35	5.44	3	V	249	1.56	-
PK	5.1842G	118.05	Inf	-Inf	5.52	3	V	249	1.56	-
PK	5.439G	58.43	74.00	-15.57	6.01	3	V	249	1.56	-
PK	5.4852G	57.46	68.20	-10.74	6.12	3	V	249	1.56	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

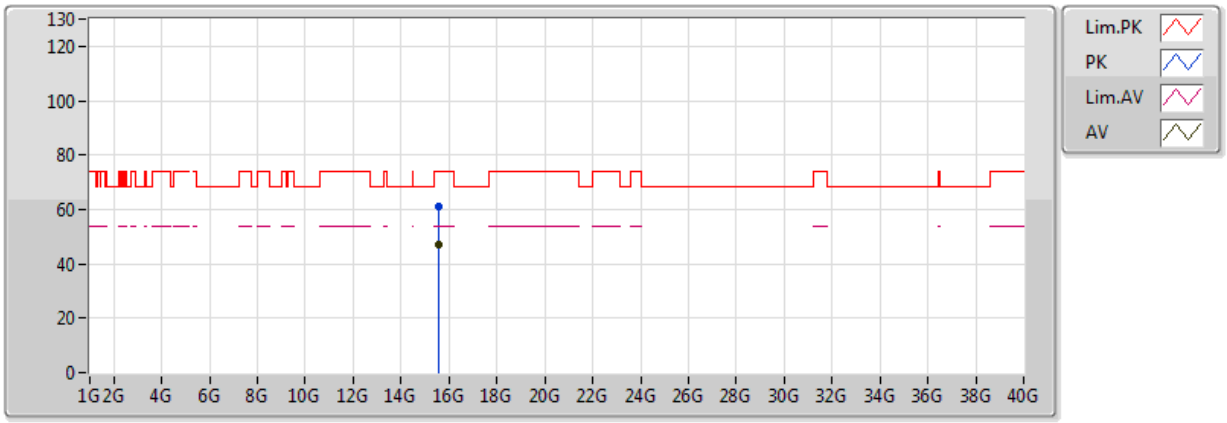


20170303
EUT Z_4TX
Setting 75
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54096G	47.28	54.00	-6.72	18.11	3	V	300	1.47	-
PK	15.540164G	61.01	74.00	-12.99	18.11	3	V	300	1.47	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

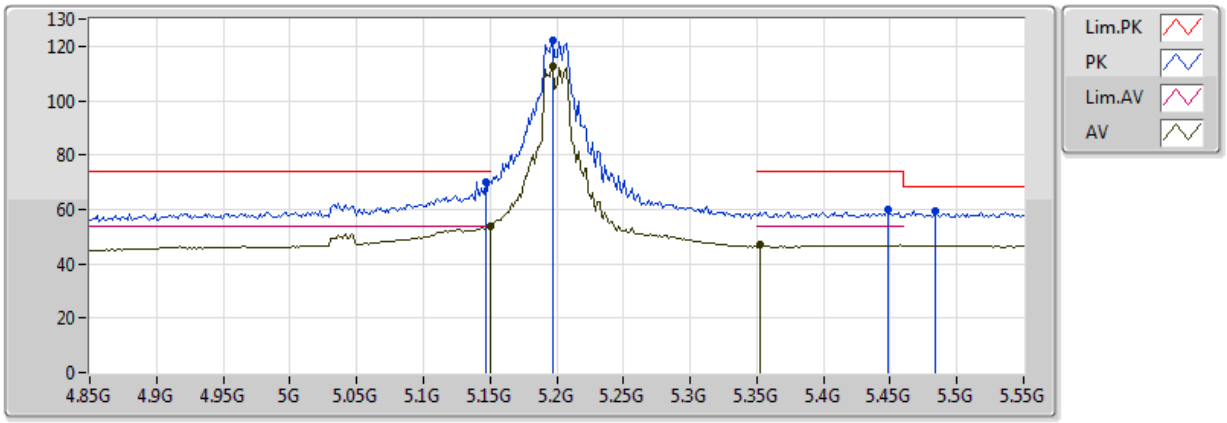


20170303
EUT Z_4TX
Setting 75
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.540108G	47.01	54.00	-6.99	18.11	3	H	21	2.25	-
PK	15.539684G	60.82	74.00	-13.18	18.11	3	H	21	2.25	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

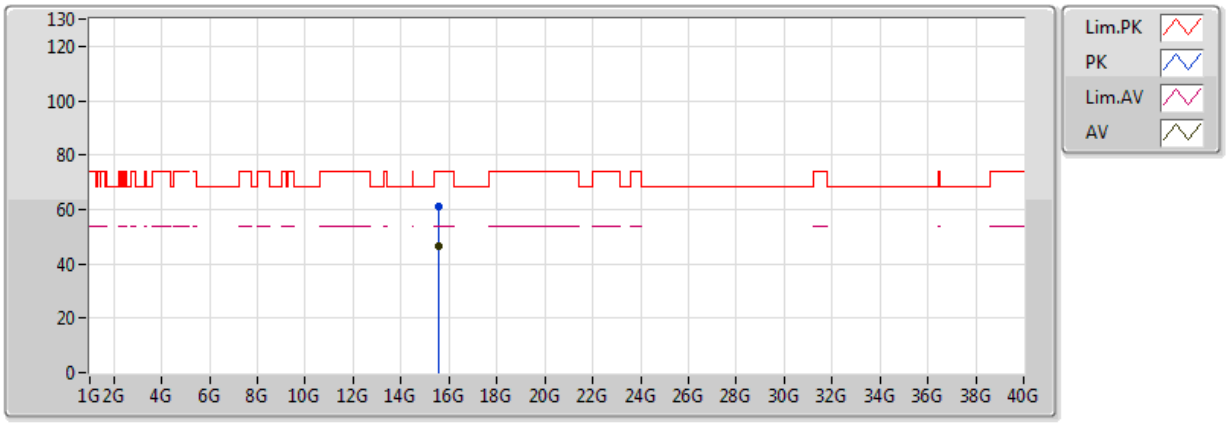


20170224
EUT Z_4TX
Setting 89
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.86	54.00	-0.14	5.44	3	V	253	1.09	-
AV	5.1972G	112.53	Inf	-Inf	5.54	3	V	253	1.09	-
AV	5.3526G	46.96	54.00	-7.04	5.83	3	V	253	1.09	-
PK	5.1468G	69.90	74.00	-4.10	5.44	3	V	253	1.09	-
PK	5.1972G	122.20	Inf	-Inf	5.54	3	V	253	1.09	-
PK	5.4478G	59.75	74.00	-14.25	6.03	3	V	253	1.09	-
PK	5.4842G	59.23	68.20	-8.97	6.12	3	V	253	1.09	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

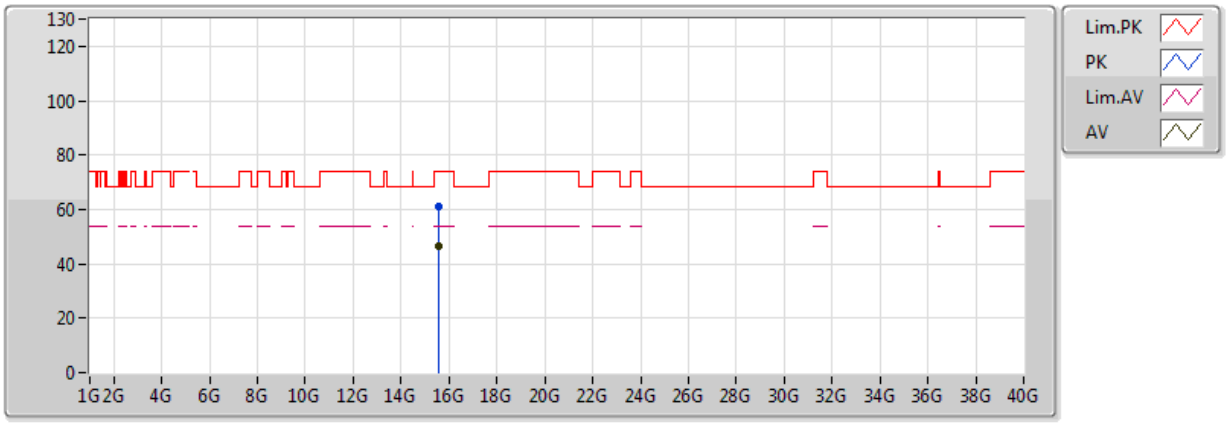


20170303
EUT Z_4TX
Setting 89
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.599G	46.59	54.00	-7.41	17.96	3	V	299	1.69	-
PK	15.599608G	61.34	74.00	-12.66	17.96	3	V	299	1.69	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

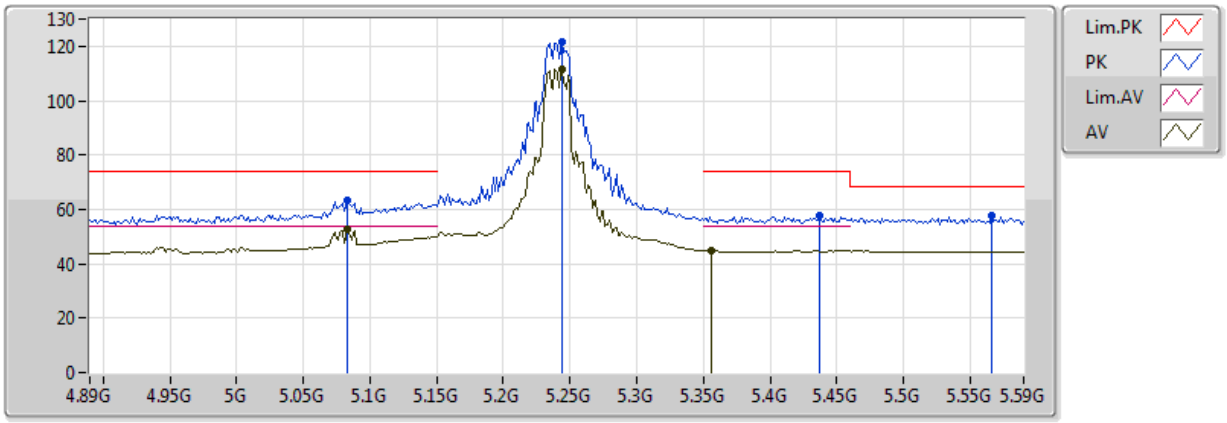


20170303
EUT Z_4TX
Setting 89
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.599244G	46.68	54.00	-7.32	17.96	3	H	126	1.25	-
PK	15.599972G	60.85	74.00	-13.15	17.96	3	H	126	1.25	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

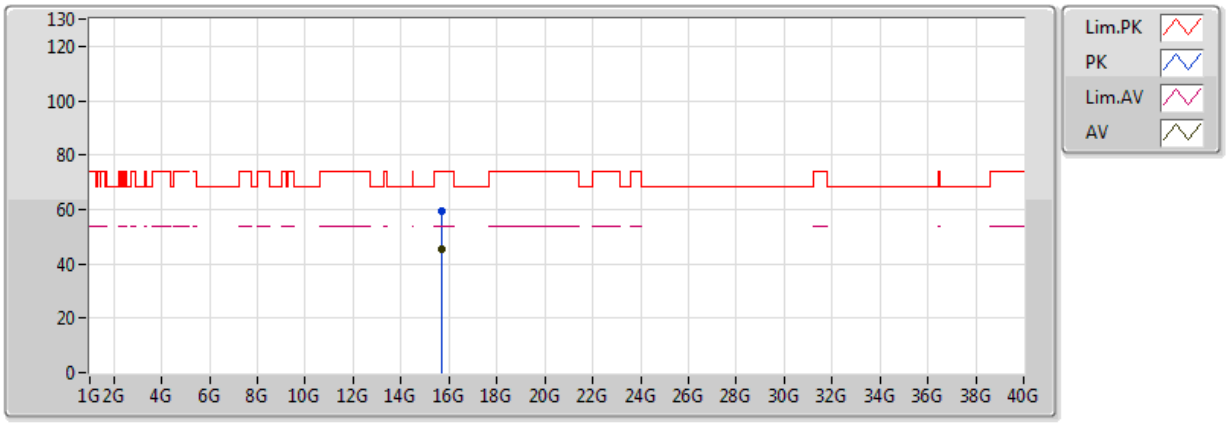


20170303
EUT Z_4TX
Setting 92
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.0832G	52.51	54.00	-1.49	5.30	3	V	247	1.69	-
AV	5.2442G	111.68	Inf	-Inf	5.63	3	V	247	1.69	-
AV	5.3562G	44.85	54.00	-9.15	5.84	3	V	247	1.69	-
PK	5.0832G	63.47	74.00	-10.53	5.30	3	V	247	1.69	-
PK	5.2442G	121.40	Inf	-Inf	5.63	3	V	247	1.69	-
PK	5.4374G	57.55	74.00	-16.45	6.00	3	V	247	1.69	-
PK	5.5662G	57.70	68.20	-10.50	6.21	3	V	247	1.69	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

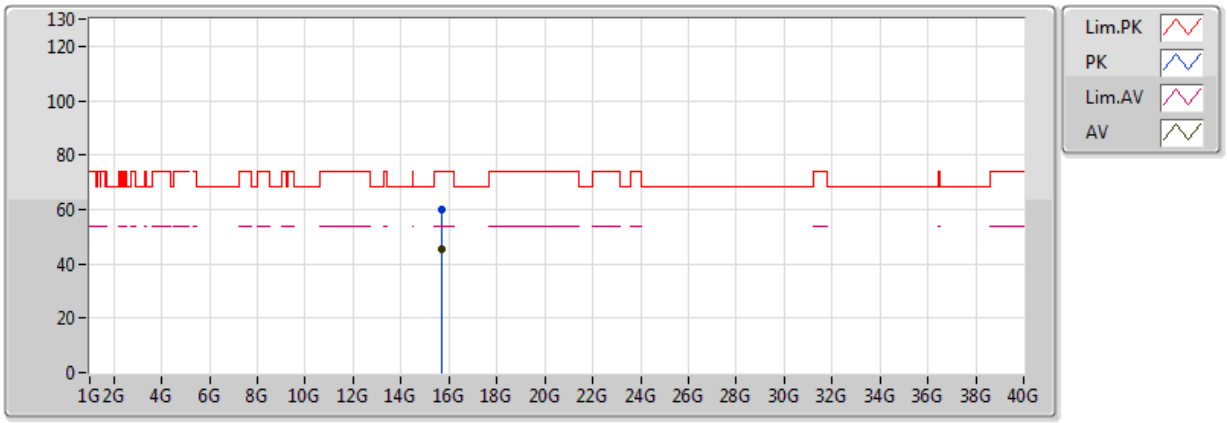


20170303
EUT Z_4TX
Setting 92
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.719028G	45.52	54.00	-8.48	17.65	3	V	42	1.88	-
PK	15.719728G	59.59	74.00	-14.41	17.65	3	V	42	1.88	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

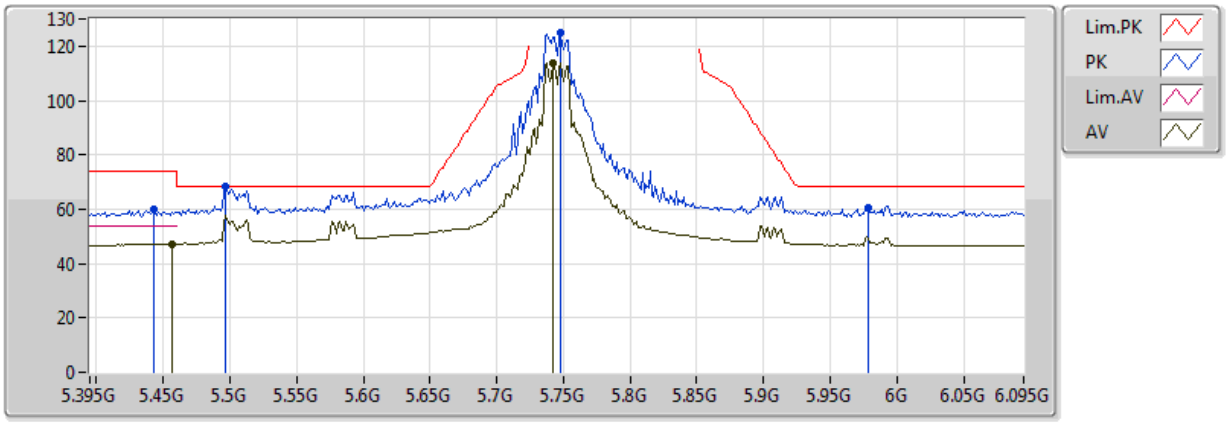


20170303
EUT Z_4TX
Setting 92
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.720716G	45.57	54.00	-8.43	17.65	3	H	282	2.13	-
PK	15.719808G	60.09	74.00	-13.91	17.65	3	H	282	2.13	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

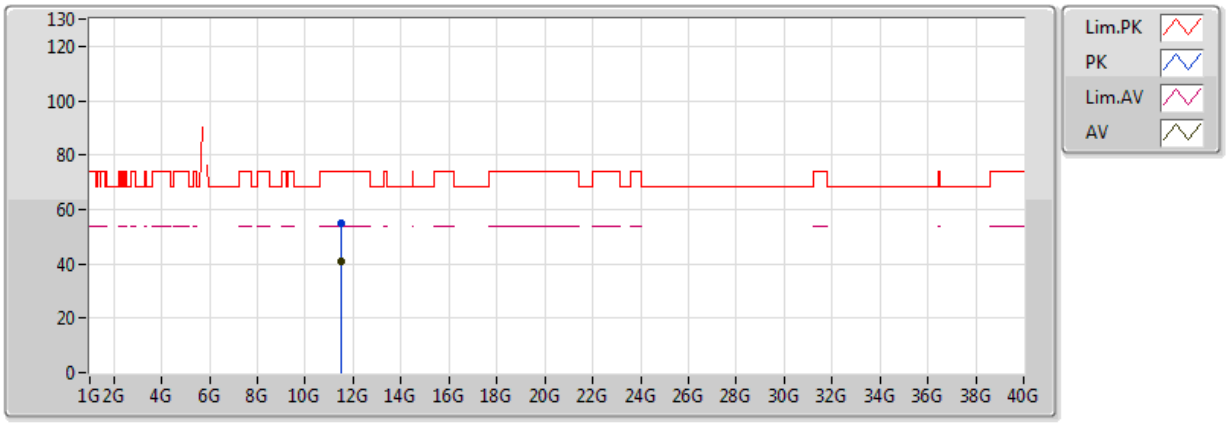


20170224
EUT Z_4TX
Setting 100
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4566G	47.10	54.00	-6.90	6.05	3	V	118	1.49	-
AV	5.7422G	113.82	Inf	-Inf	6.25	3	V	118	1.49	-
PK	5.4426G	59.68	74.00	-14.32	6.02	3	V	118	1.49	-
PK	5.4972G	68.12	68.20	-0.08	6.15	3	V	118	1.49	-
PK	5.7478G	124.93	Inf	-Inf	6.25	3	V	118	1.49	-
PK	5.9788G	60.62	68.20	-7.58	6.16	3	V	118	1.49	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

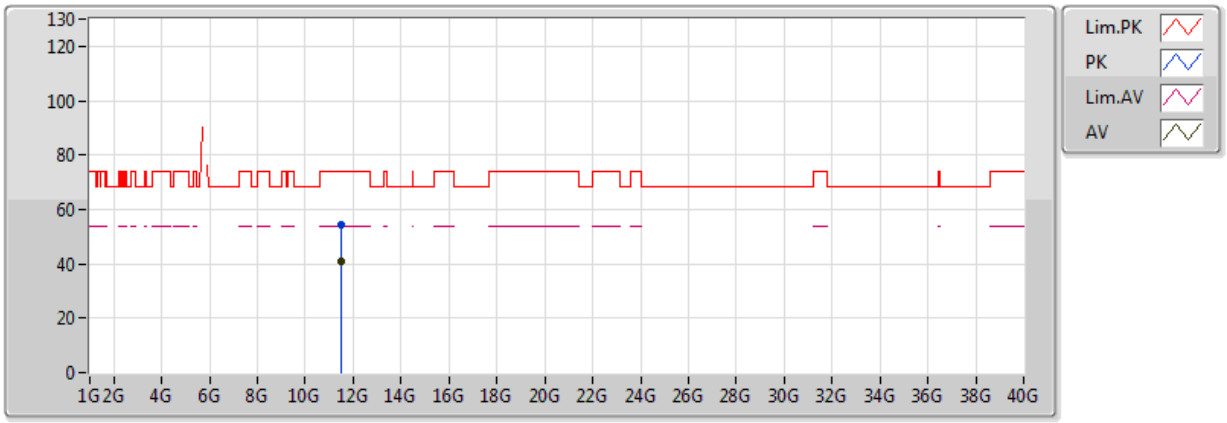


20170303
EUT Z_4TX
Setting 100
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.489784G	40.96	54.00	-13.04	16.31	3	V	182	1.49	-
PK	11.48908G	54.77	74.00	-19.23	16.31	3	V	182	1.49	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

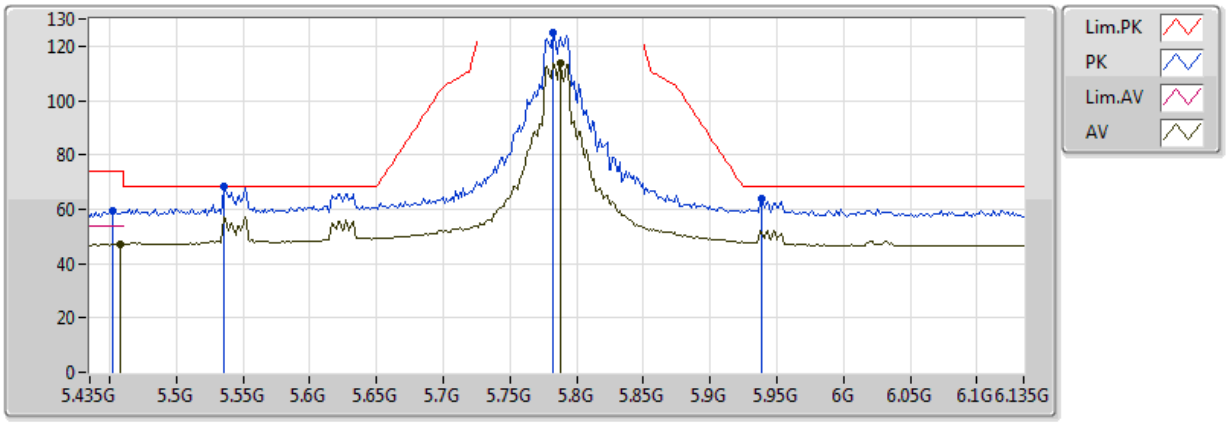


20170303
EUT Z_4TX
Setting 100
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.48954G	40.89	54.00	-13.11	16.31	3	H	81	1.11	-
PK	11.48936G	54.56	74.00	-19.44	16.31	3	H	81	1.11	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

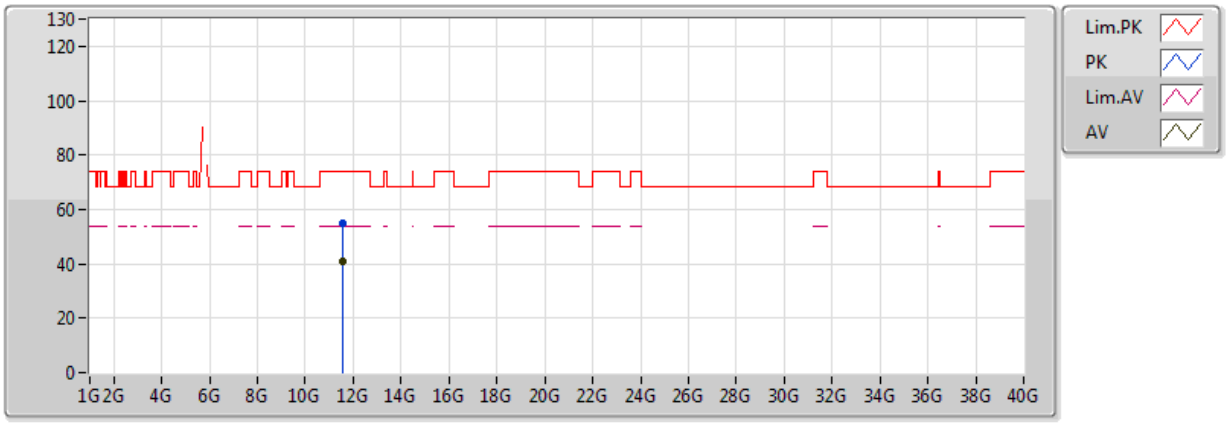


20170224
EUT Z_4TX
Setting 100
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4574G	47.32	54.00	-6.68	6.05	3	V	117	1.43	-
AV	5.7878G	113.94	Inf	-Inf	6.25	3	V	117	1.43	-
PK	5.4518G	59.13	74.00	-14.87	6.04	3	V	117	1.43	-
PK	5.5358G	68.12	68.20	-0.08	6.19	3	V	117	1.43	-
PK	5.7822G	125.17	Inf	-Inf	6.25	3	V	117	1.43	-
PK	5.939G	63.62	68.20	-4.58	6.18	3	V	117	1.43	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

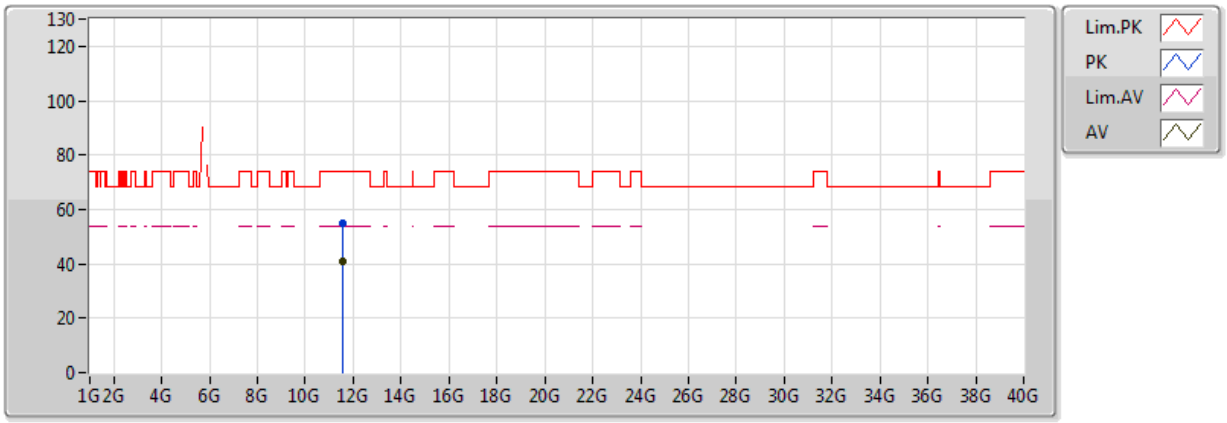


20170303
EUT Z_4TX
Setting 100
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.571G	40.89	54.00	-13.11	16.40	3	V	265	2.24	-
PK	11.570796G	55.17	74.00	-18.83	16.40	3	V	265	2.24	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

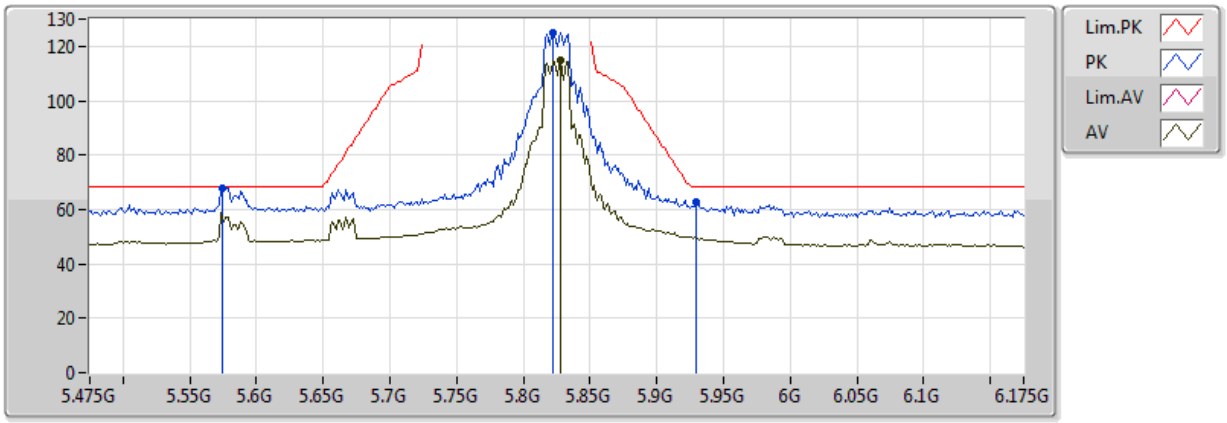


20170303
EUT Z_4TX
Setting 100
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.570608G	40.99	54.00	-13.01	16.39	3	H	22	1.85	-
PK	11.570636G	54.80	74.00	-19.20	16.39	3	H	22	1.85	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

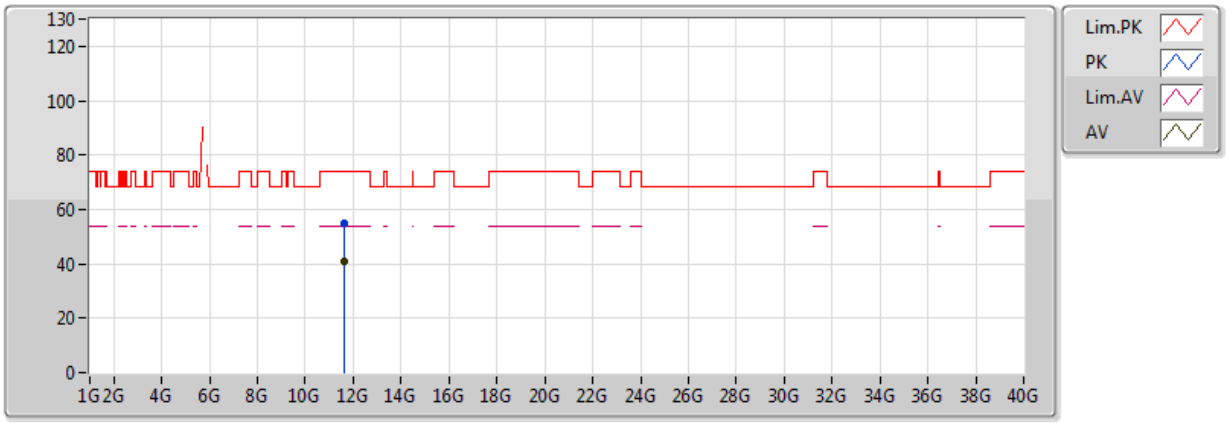


20170224
EUT Z_4TX
Setting 99
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8278G	114.83	Inf	-Inf	6.24	3	V	118	1.97	-
PK	5.5744G	67.86	68.20	-0.34	6.22	3	V	118	1.97	-
PK	5.8222G	125.13	Inf	-Inf	6.24	3	V	118	1.97	-
PK	5.93G	62.57	68.20	-5.63	6.19	3	V	118	1.97	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

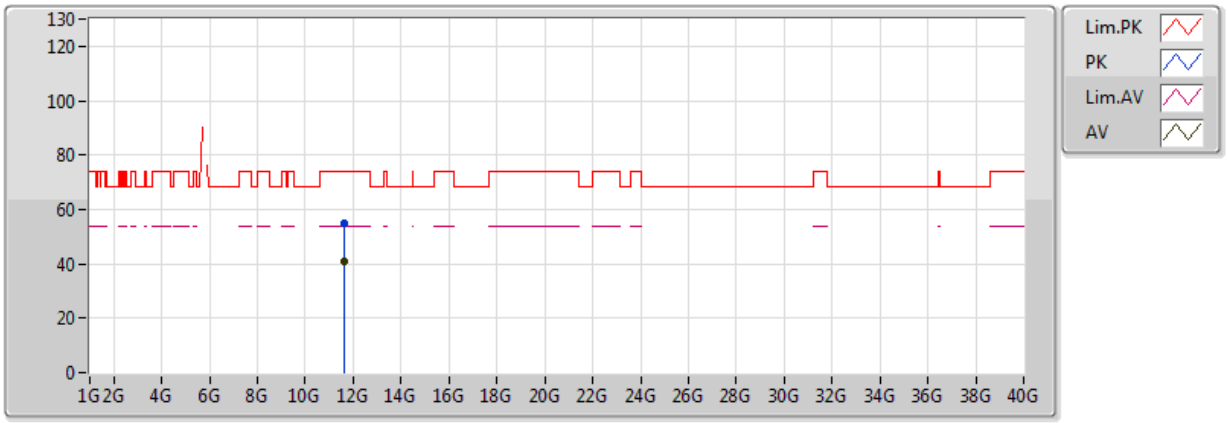


20170303
EUT Z_4TX
Setting 99
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.649932G	41.07	54.00	-12.93	16.47	3	V	201	1.84	-
PK	11.649216G	54.80	74.00	-19.20	16.47	3	V	201	1.84	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

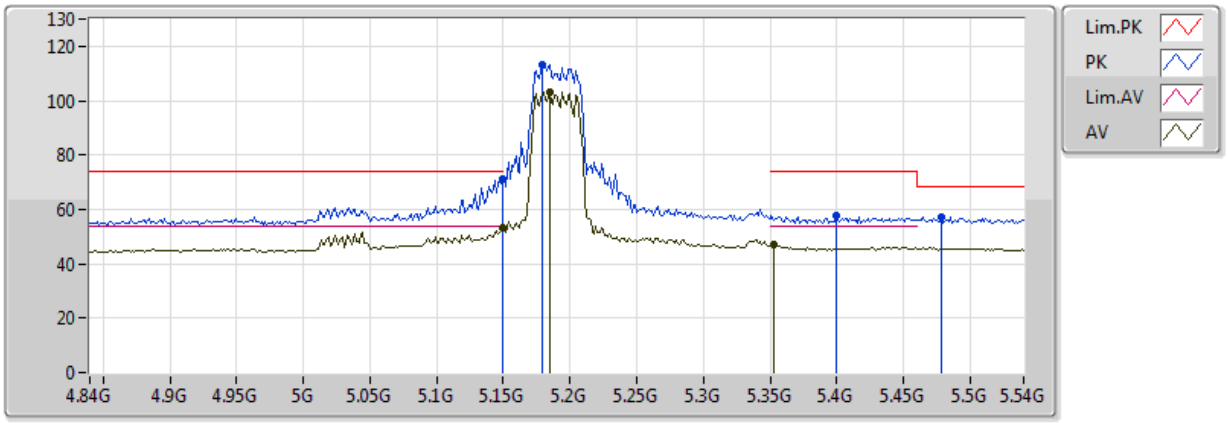


20170303
EUT Z_4TX
Setting 99
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.649608G	41.09	54.00	-12.91	16.47	3	H	77	1.28	-
PK	11.6508G	54.88	74.00	-19.12	16.47	3	H	77	1.28	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

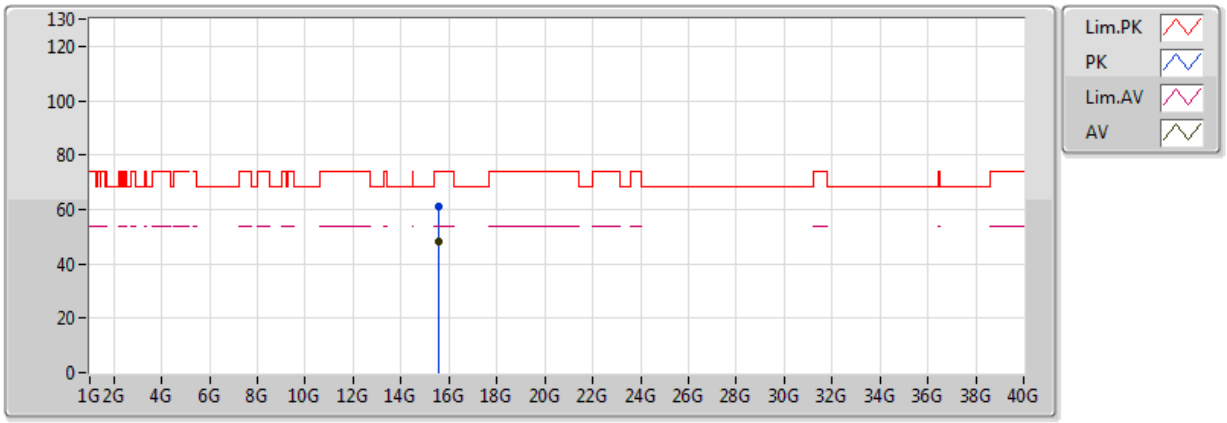


20170303
EUT Z_4TX
Setting 67
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.50	54.00	-0.50	5.44	3	V	249	1.78	-
AV	5.1844G	103.20	Inf	-Inf	5.52	3	V	249	1.78	-
AV	5.3524G	46.81	54.00	-7.19	5.83	3	V	249	1.78	-
PK	5.149995G	71.09	74.00	-2.91	5.44	3	V	249	1.78	-
PK	5.1788G	112.92	Inf	-Inf	5.51	3	V	249	1.78	-
PK	5.4G	57.92	74.00	-16.08	5.91	3	V	249	1.78	-
PK	5.4784G	57.19	68.20	-11.01	6.11	3	V	249	1.78	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

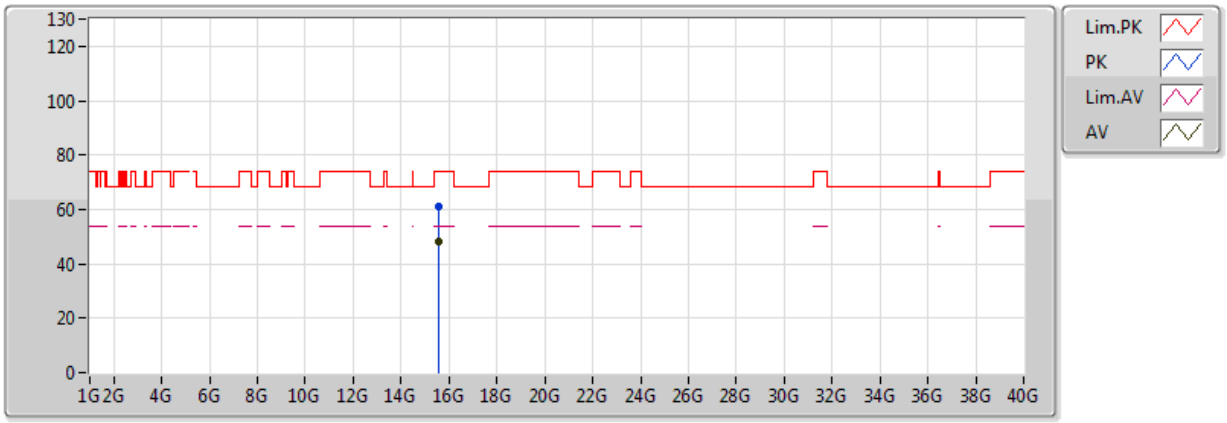


20170303
EUT Z_4TX
Setting 67
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.570748G	48.43	54.00	-5.57	18.03	3	V	28	2.14	-
PK	15.570076G	61.20	74.00	-12.80	18.03	3	V	28	2.14	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

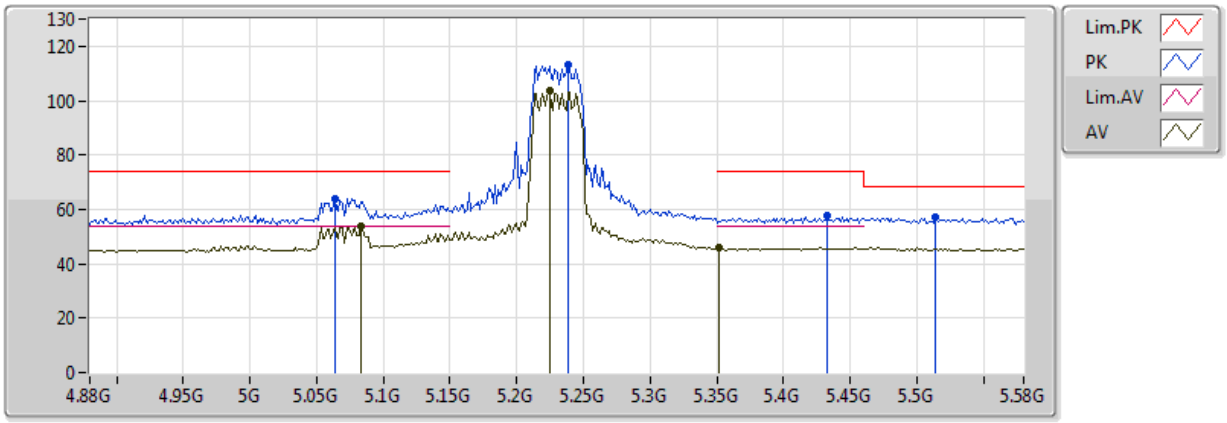


20170303
EUT Z_4TX
Setting 67
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.569532G	48.38	54.00	-5.62	18.04	3	H	130	2.42	-
PK	15.570284G	60.92	74.00	-13.08	18.03	3	H	130	2.42	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

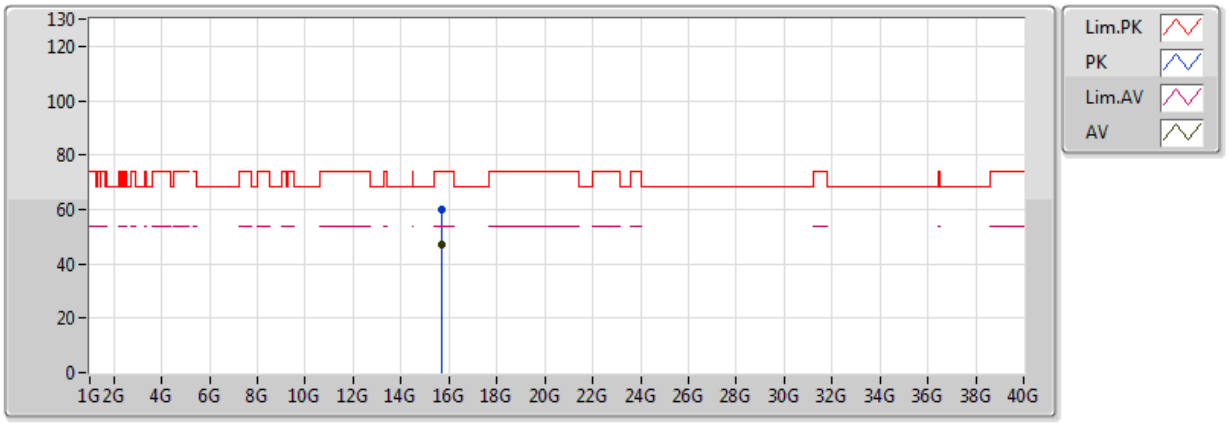


20170303
EUT Z_4TX
Setting 67
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.083G	53.97	54.00	-0.03	5.30	3	V	247	1.44	-
AV	5.2244G	103.53	Inf	-Inf	5.60	3	V	247	1.44	-
AV	5.3518G	45.74	54.00	-8.26	5.83	3	V	247	1.44	-
PK	5.0634G	64.03	74.00	-9.97	5.25	3	V	247	1.44	-
PK	5.2384G	113.01	Inf	-Inf	5.62	3	V	247	1.44	-
PK	5.433G	57.45	74.00	-16.55	5.99	3	V	247	1.44	-
PK	5.5142G	57.12	68.20	-11.08	6.17	3	V	247	1.44	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

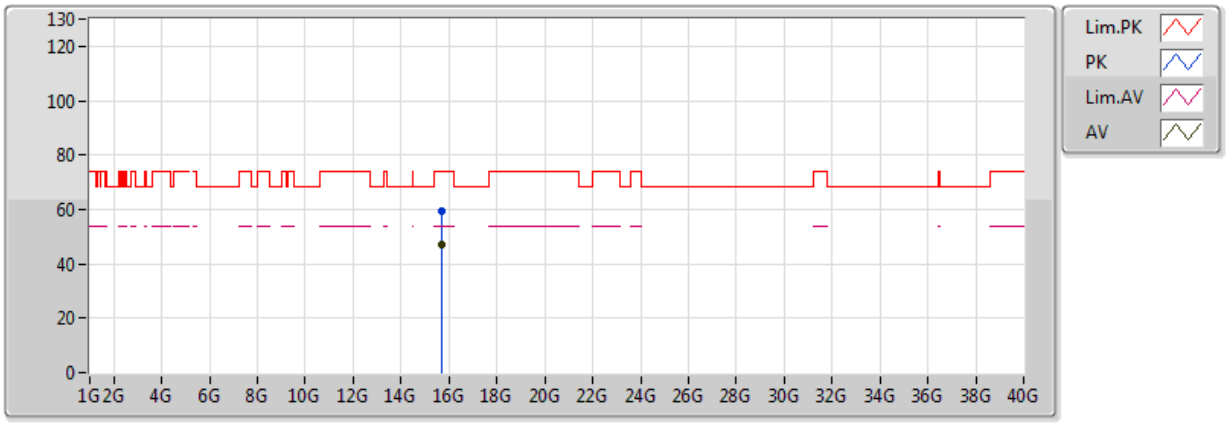


20170303
EUT Z_4TX
Setting 67
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.68996G	47.16	54.00	-6.84	17.73	3	V	107	1.55	-
PK	15.690424G	59.81	74.00	-14.19	17.73	3	V	107	1.55	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

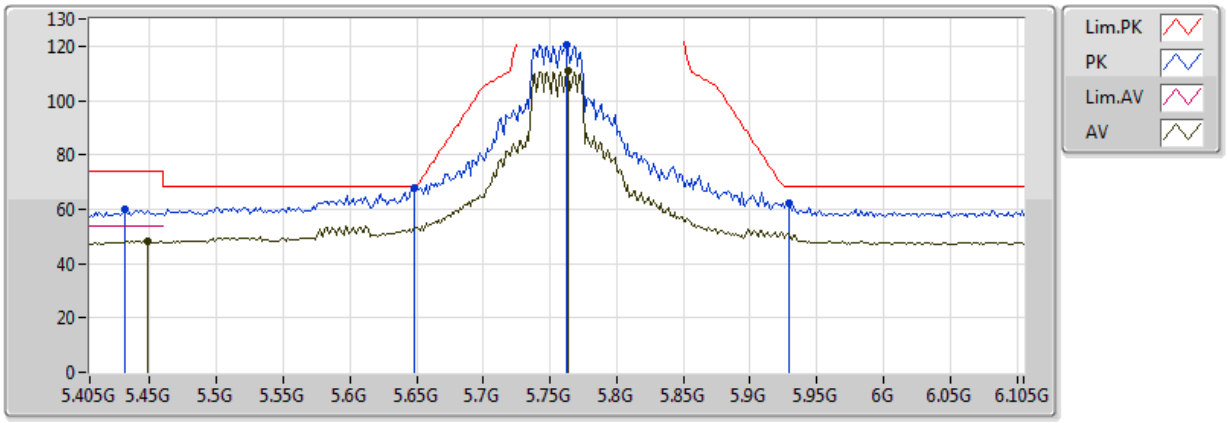


20170303
EUT Z_4TX
Setting 67
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.690828G	47.12	54.00	-6.88	17.72	3	H	178	2.14	-
PK	15.689708G	59.34	74.00	-14.66	17.73	3	H	178	2.14	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

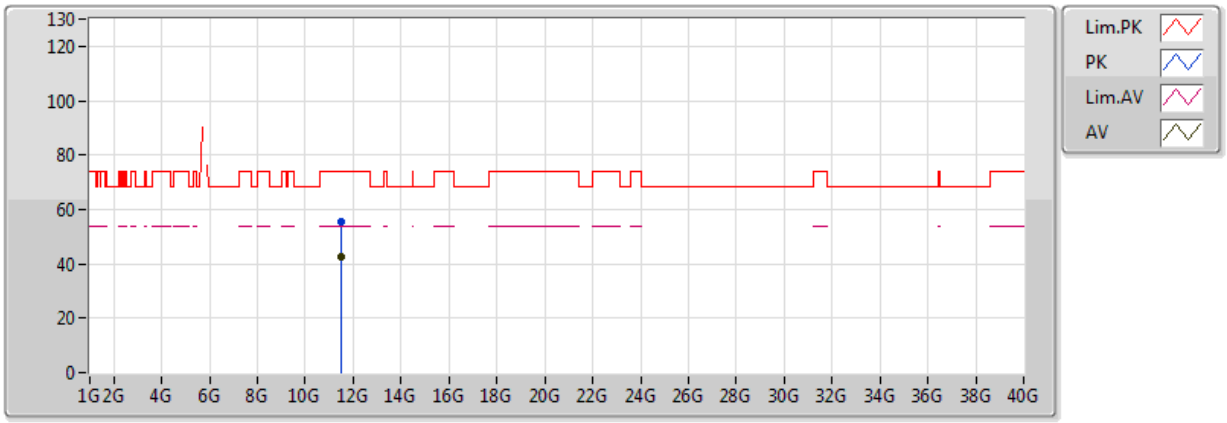


20170224
EUT Z_4TX
Setting 95
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4484G	48.20	54.00	-5.80	6.03	3	V	119	1.44	-
AV	5.7634G	110.93	Inf	-Inf	6.25	3	V	119	1.44	-
PK	5.4316G	59.85	74.00	-14.15	5.99	3	V	119	1.44	-
PK	5.6486G	67.86	68.20	-0.34	6.24	3	V	119	1.44	-
PK	5.762G	120.37	Inf	-Inf	6.25	3	V	119	1.44	-
PK	5.9286G	62.26	68.20	-5.94	6.19	3	V	119	1.44	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

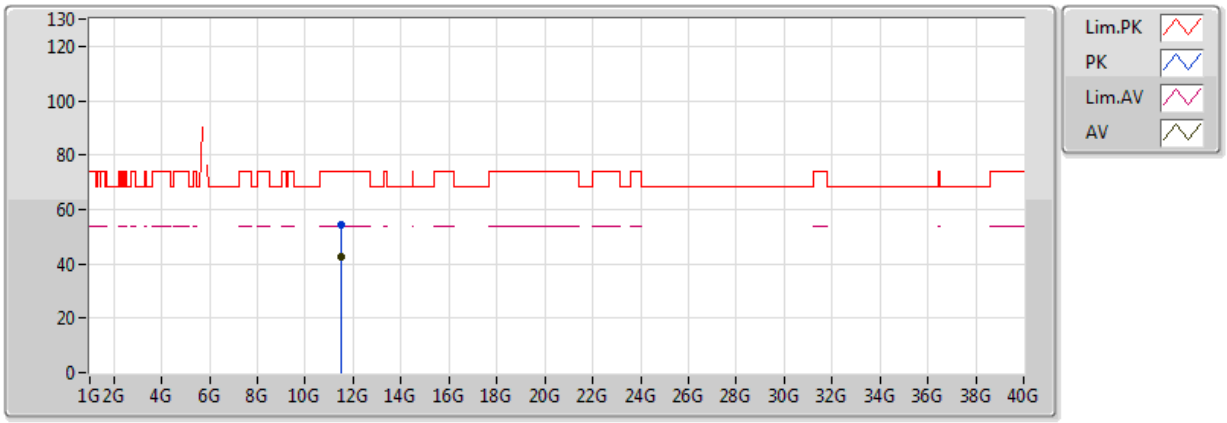


20170303
EUT Z_4TX
Setting 95
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.509588G	42.71	54.00	-11.29	16.33	3	V	237	2.30	-
PK	11.510384G	55.48	74.00	-18.52	16.34	3	V	237	2.30	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

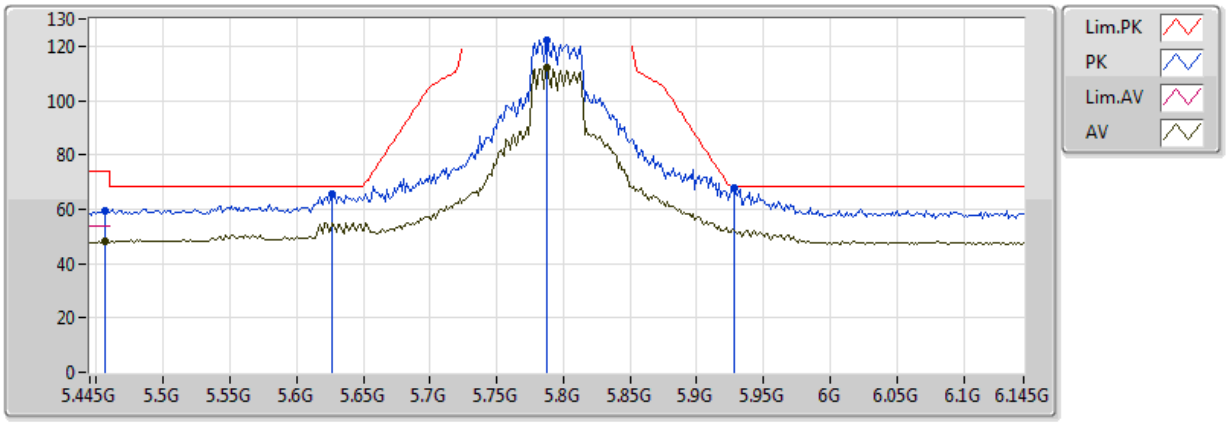


20170303
EUT Z_4TX
Setting 95
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.509468G	42.56	54.00	-11.44	16.33	3	H	13	1.28	-
PK	11.509072G	54.60	74.00	-19.40	16.33	3	H	13	1.28	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

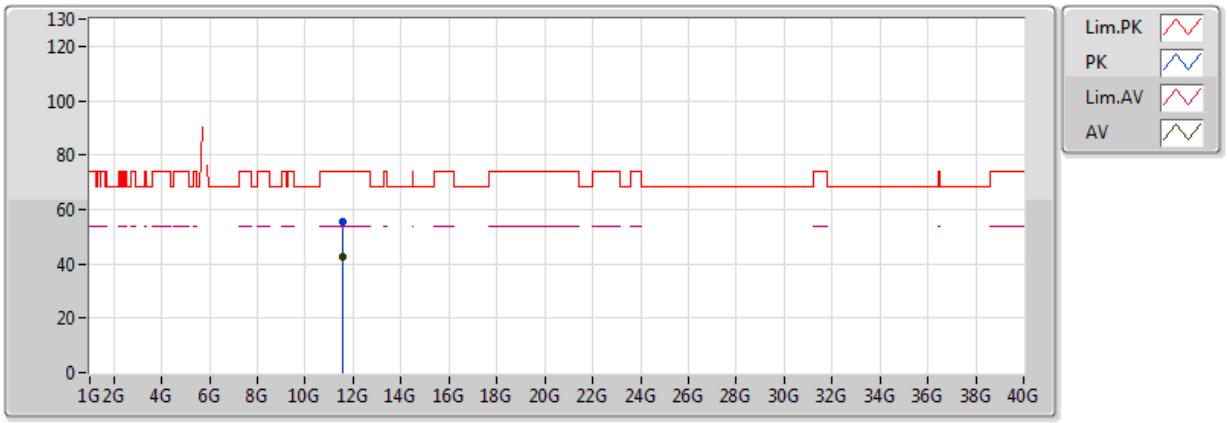


20170224
EUT Z_4TX
Setting 99
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4562G	48.40	54.00	-5.60	6.05	3	V	118	1.50	-
AV	5.788G	111.89	Inf	-Inf	6.25	3	V	118	1.50	-
PK	5.4562G	59.12	74.00	-14.88	6.05	3	V	118	1.50	-
PK	5.627G	65.44	68.20	-2.76	6.24	3	V	118	1.50	-
PK	5.788G	122.30	Inf	-Inf	6.25	3	V	118	1.50	-
PK	5.928G	67.84	68.20	-0.36	6.19	3	V	118	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

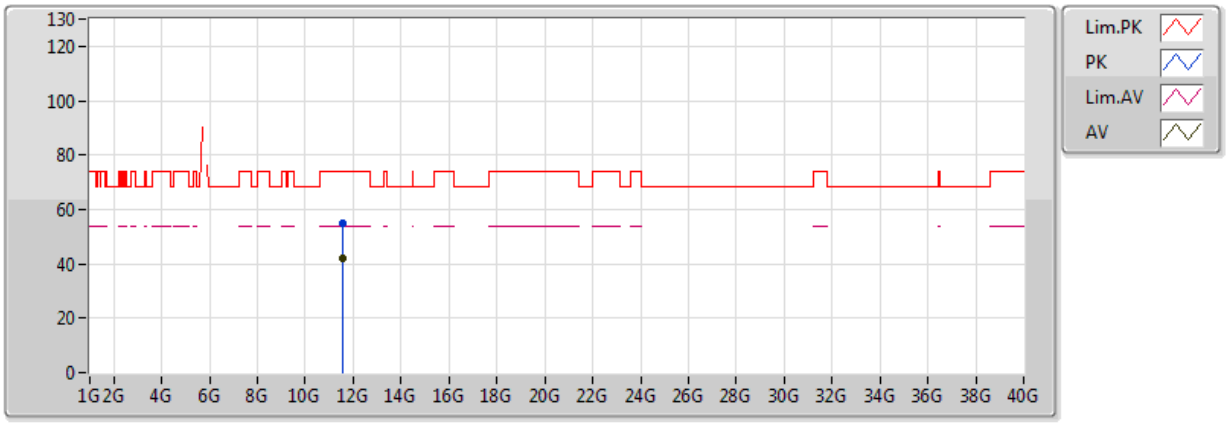


20170303
EUT Z_4TX
Setting 99
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.590656G	42.31	54.00	-11.69	16.41	3	V	224	2.46	-
PK	11.589824G	55.46	74.00	-18.54	16.41	3	V	224	2.46	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

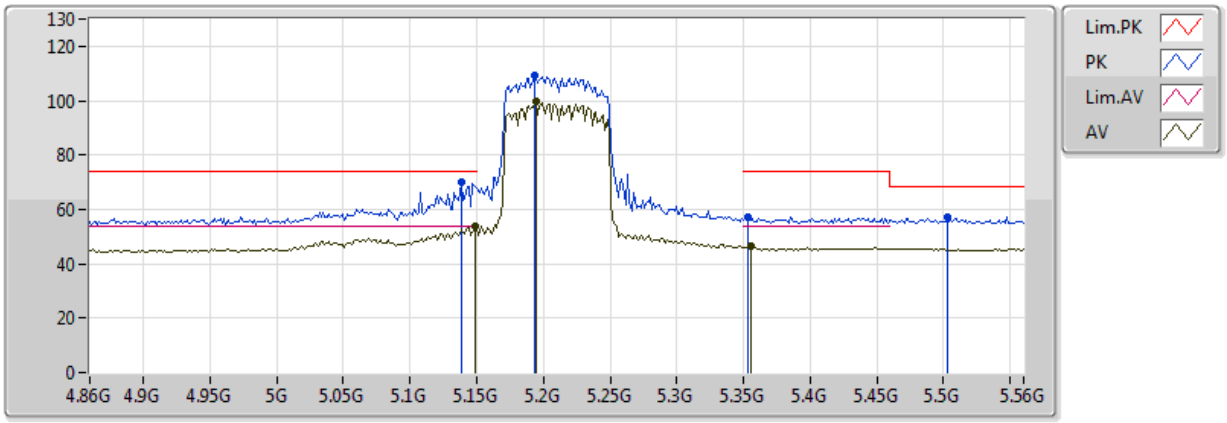


20170303
EUT Z_4TX
Setting 99
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.590936G	42.26	54.00	-11.74	16.42	3	H	134	1.29	-
PK	11.590564G	55.18	74.00	-18.82	16.41	3	H	134	1.29	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

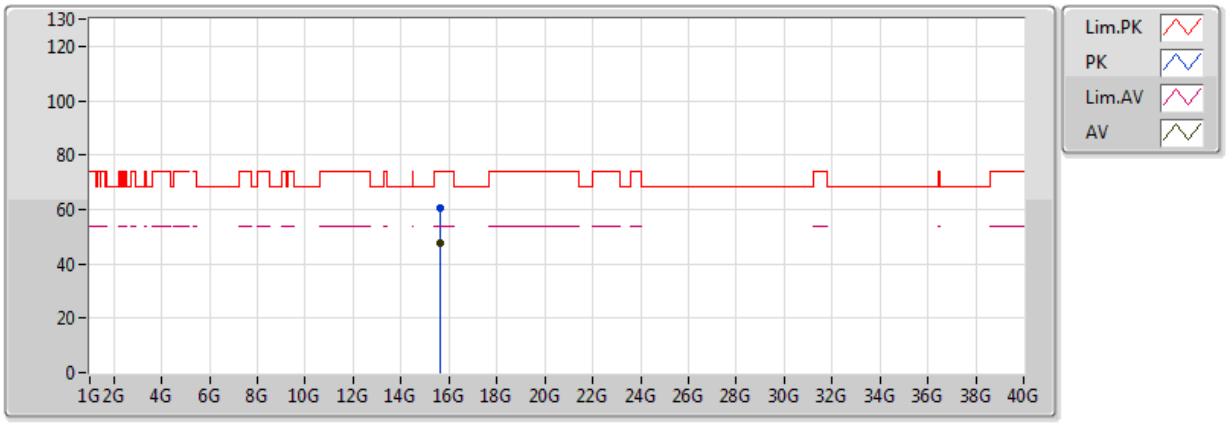


20170303
EUT Z_4TX
Setting 62
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	53.63	54.00	-0.37	5.44	3	V	296	1.48	-
AV	5.1946G	99.74	Inf	-Inf	5.54	3	V	296	1.48	-
AV	5.3556G	46.32	54.00	-7.68	5.83	3	V	296	1.48	-
PK	5.1386G	70.12	74.00	-3.88	5.42	3	V	296	1.48	-
PK	5.1932G	109.33	Inf	-Inf	5.54	3	V	296	1.48	-
PK	5.3528G	57.24	74.00	-16.76	5.83	3	V	296	1.48	-
PK	5.5026G	57.43	68.20	-10.77	6.16	3	V	296	1.48	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

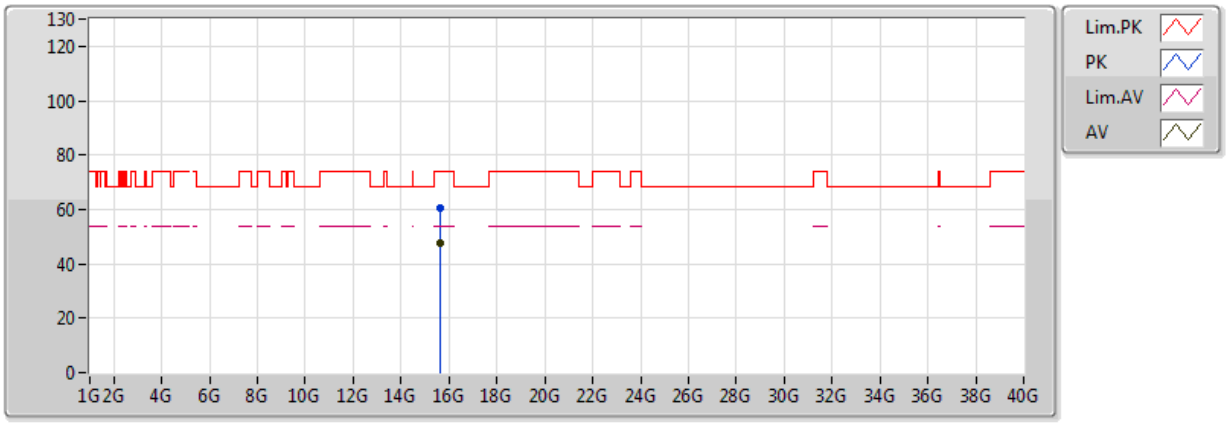


20170303
EUT Z_4TX
Setting 62
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.630856G	47.47	54.00	-6.53	17.88	3	V	104	2.30	-
PK	15.629968G	60.60	74.00	-13.40	17.88	3	V	104	2.30	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

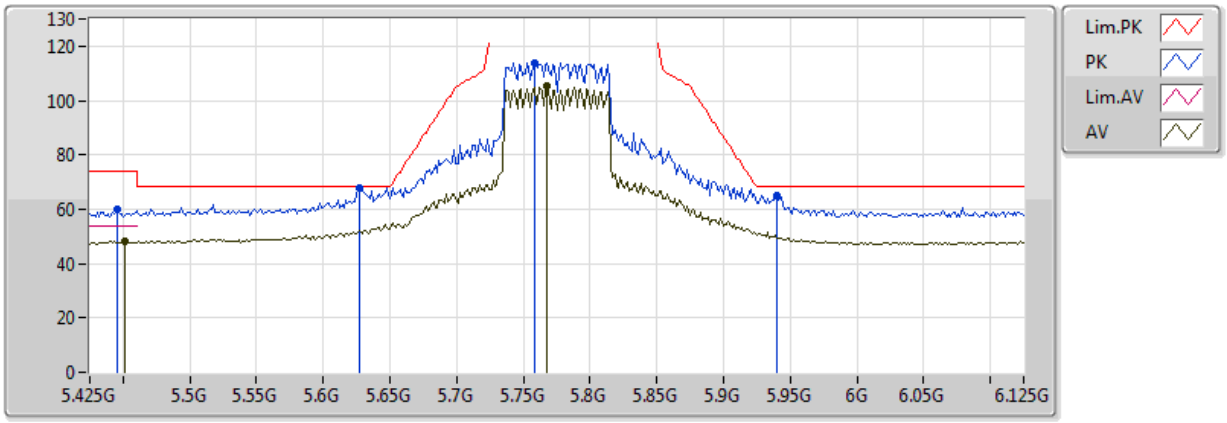


20170303
EUT Z_4TX
Setting 62
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.629616G	47.61	54.00	-6.39	17.88	3	H	245	1.46	-
PK	15.630512G	60.29	74.00	-13.71	17.88	3	H	245	1.46	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

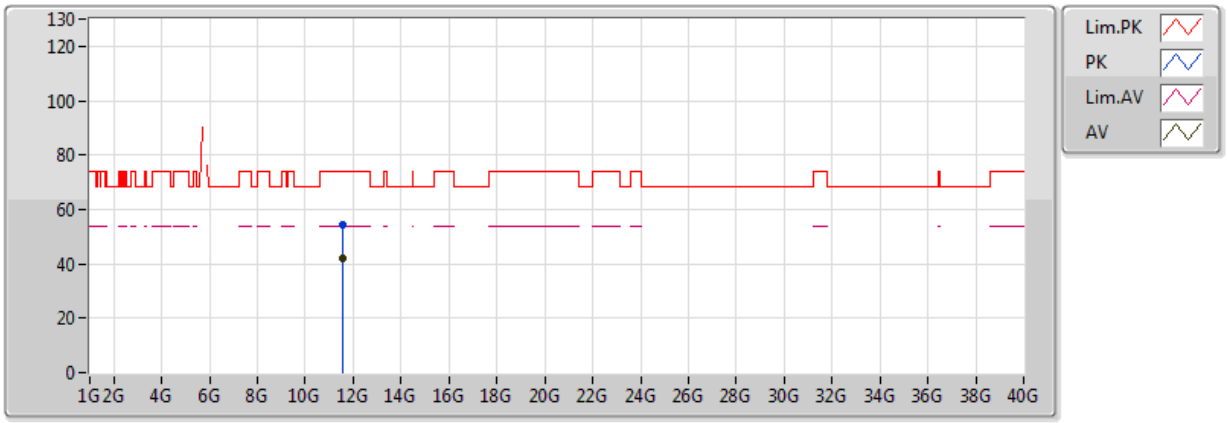


20170224
EUT Z_4TX
Setting 82
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4516G	48.11	54.00	-5.89	6.04	3	V	119	1.43	-
AV	5.768G	105.29	Inf	-Inf	6.25	3	V	119	1.43	-
PK	5.446G	60.19	74.00	-13.81	6.03	3	V	119	1.43	-
PK	5.6266G	67.86	68.20	-0.34	6.24	3	V	119	1.43	-
PK	5.7582G	113.88	Inf	-Inf	6.25	3	V	119	1.43	-
PK	5.9402G	65.00	68.20	-3.20	6.18	3	V	119	1.43	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

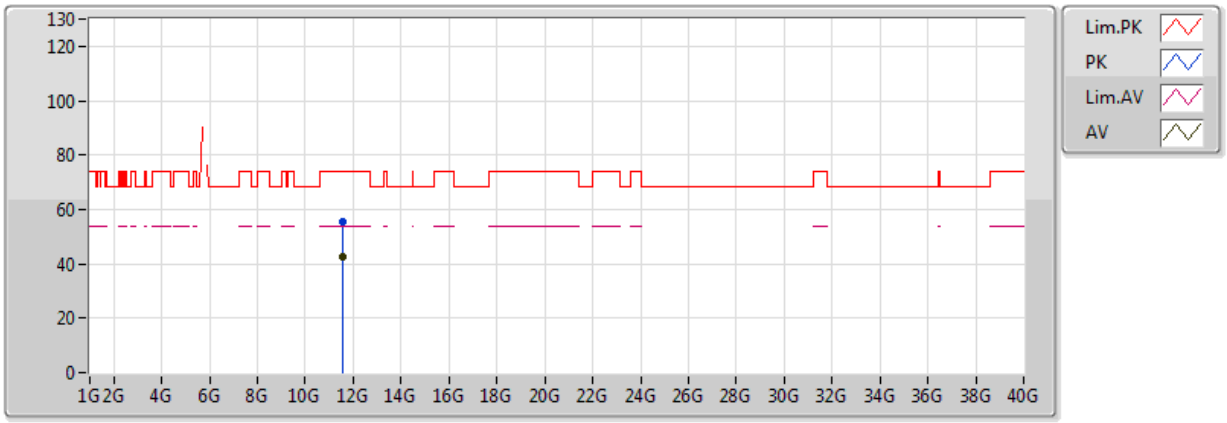


20170303
EUT Z_4TX
Setting 82
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.550592G	42.22	54.00	-11.78	16.38	3	V	7	2.20	-
PK	11.5506G	54.44	74.00	-19.56	16.38	3	V	7	2.20	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

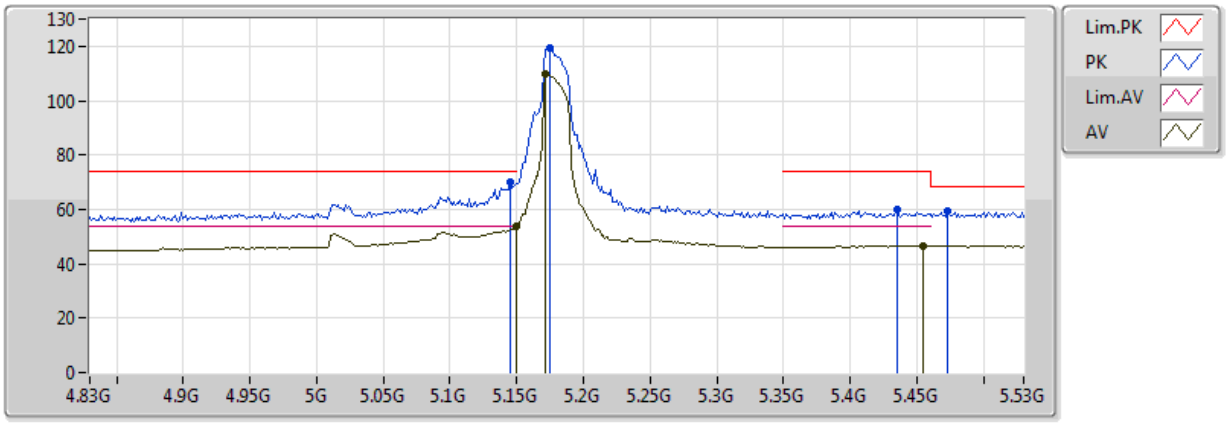


20170303
EUT Z_4TX
Setting 82
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.550784G	42.33	54.00	-11.67	16.38	3	H	26	1.36	-
PK	11.550976G	55.54	74.00	-18.46	16.38	3	H	26	1.36	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

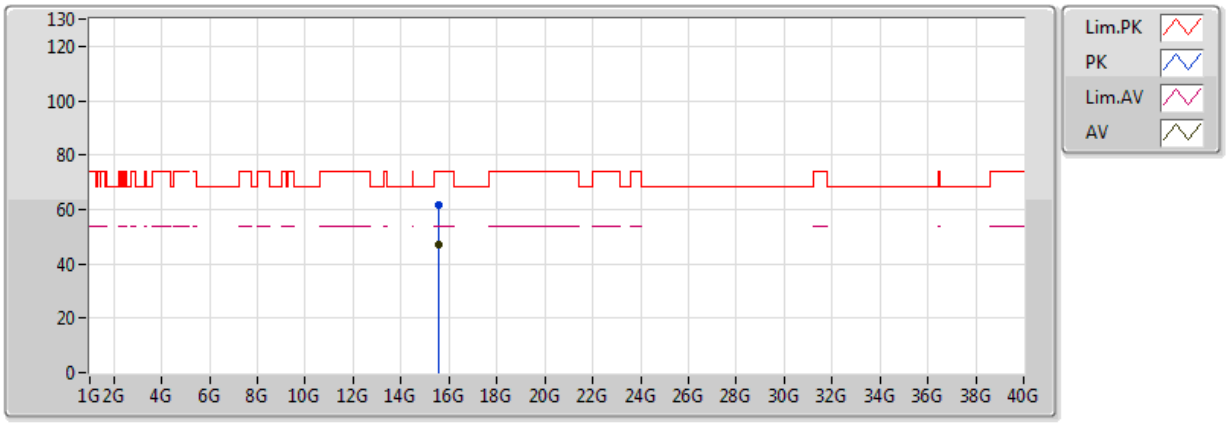


20170224
EUT Z_4TX
Setting 83
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.62	54.00	-0.38	5.44	3	V	241	1.81	-
AV	5.1716G	109.86	Inf	-Inf	5.49	3	V	241	1.81	-
AV	5.4544G	46.70	54.00	-7.30	6.05	3	V	241	1.81	-
PK	5.145G	69.98	74.00	-4.02	5.43	3	V	241	1.81	-
PK	5.1744G	119.12	Inf	-Inf	5.50	3	V	241	1.81	-
PK	5.4348G	59.82	74.00	-14.18	6.00	3	V	241	1.81	-
PK	5.4726G	59.32	68.20	-8.88	6.09	3	V	241	1.81	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

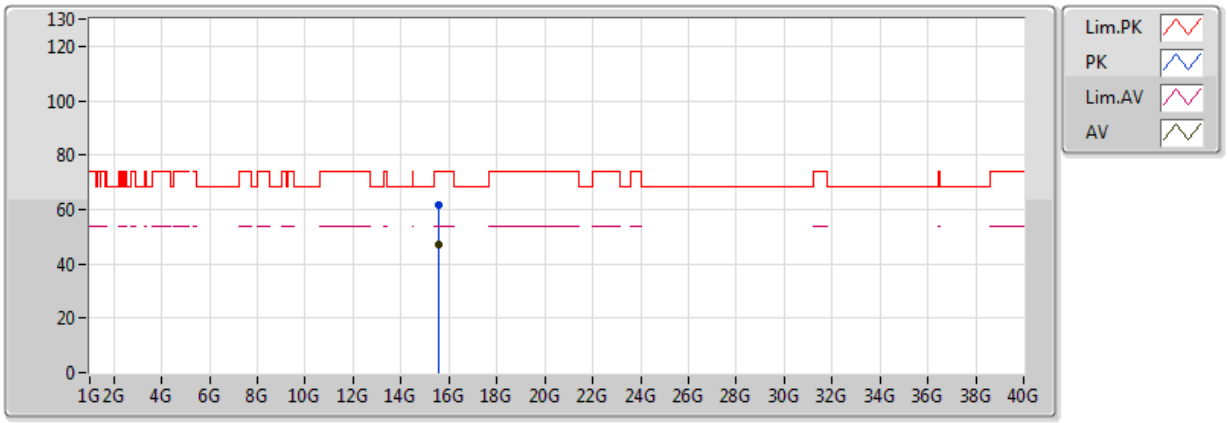


20170303
EUT Z_4TX
Setting 83
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.540824G	47.20	54.00	-6.80	18.11	3	V	106	1.03	-
PK	15.539752G	61.64	74.00	-12.36	18.11	3	V	106	1.03	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

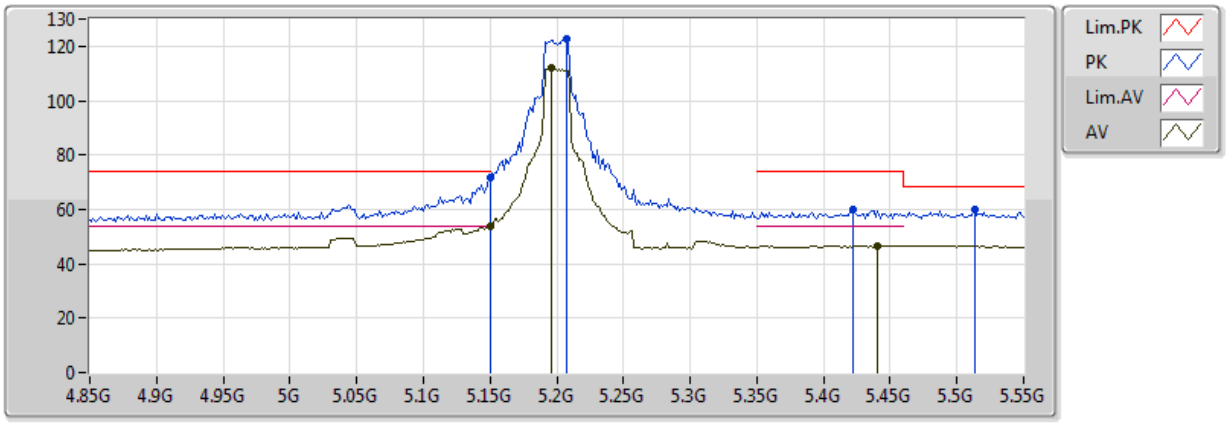


20170303
EUT Z_4TX
Setting 83
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.540336G	47.13	54.00	-6.87	18.11	3	H	207	2.25	-
PK	15.540956G	61.44	74.00	-12.56	18.11	3	H	207	2.25	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

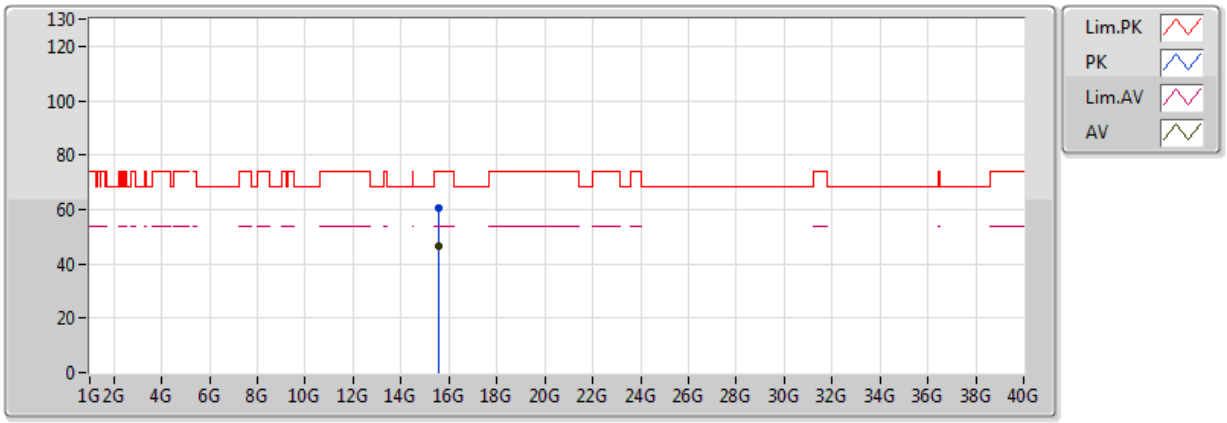


20170224
EUT Z_4TX
Setting 90
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.72	54.00	-0.28	5.44	3	V	360	1.93	-
AV	5.1958G	112.28	Inf	-Inf	5.54	3	V	360	1.93	-
AV	5.4408G	46.59	54.00	-7.41	6.01	3	V	360	1.93	-
PK	5.149995G	71.87	74.00	-2.13	5.44	3	V	360	1.93	-
PK	5.207G	122.48	Inf	-Inf	5.56	3	V	360	1.93	-
PK	5.4226G	59.94	74.00	-14.06	5.97	3	V	360	1.93	-
PK	5.5136G	59.78	68.20	-8.42	6.17	3	V	360	1.93	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

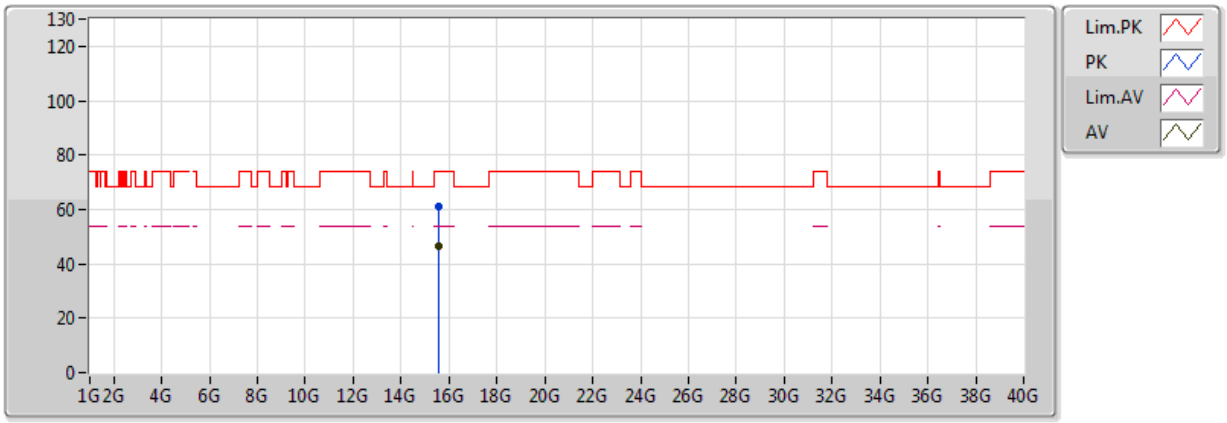


20170303
EUT Z_4TX
Setting 90
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.599784G	46.63	54.00	-7.37	17.96	3	V	2	1.58	-
PK	15.599972G	60.65	74.00	-13.35	17.96	3	V	2	1.58	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

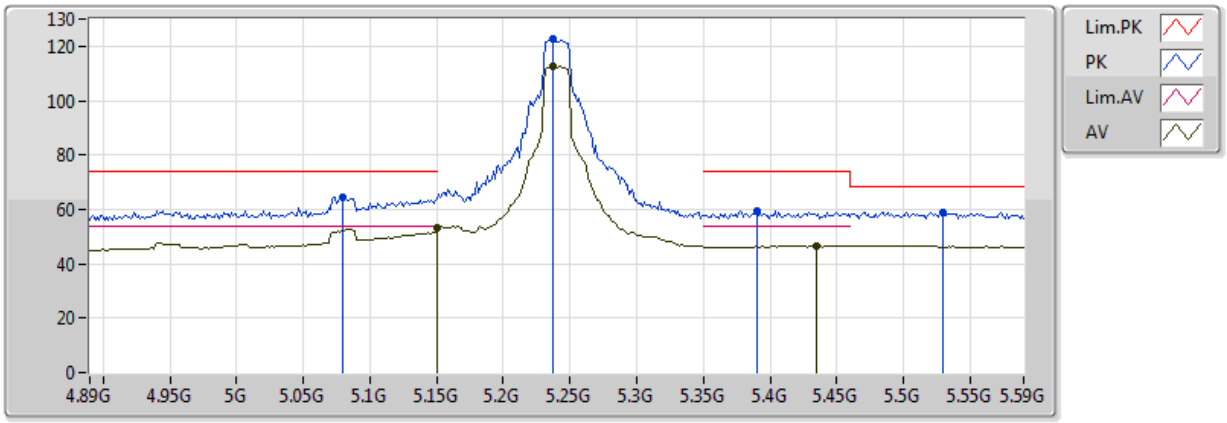


20170303
EUT Z_4TX
Setting 90
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.599948G	46.60	54.00	-7.40	17.96	3	H	37	1.82	-
PK	15.599752G	60.97	74.00	-13.03	17.96	3	H	37	1.82	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

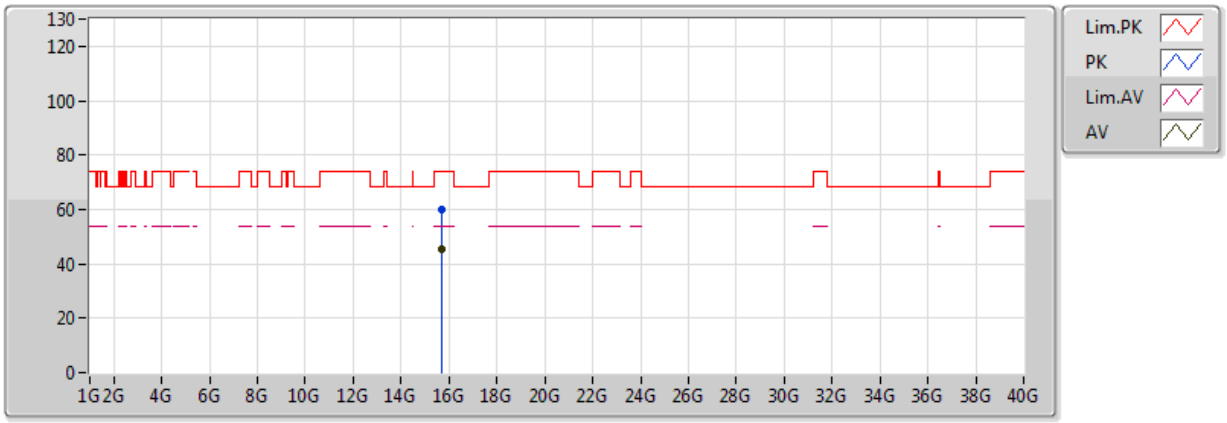


20170224
EUT Z_4TX
Setting 94
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.99	54.00	-1.01	5.44	3	V	341	1.87	-
AV	5.2372G	112.69	Inf	-Inf	5.62	3	V	341	1.87	-
AV	5.4346G	46.62	54.00	-7.38	6.00	3	V	341	1.87	-
PK	5.079G	64.47	74.00	-9.53	5.29	3	V	341	1.87	-
PK	5.2372G	122.78	Inf	-Inf	5.62	3	V	341	1.87	-
PK	5.3898G	59.46	74.00	-14.54	5.89	3	V	341	1.87	-
PK	5.5298G	59.03	68.20	-9.17	6.18	3	V	341	1.87	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

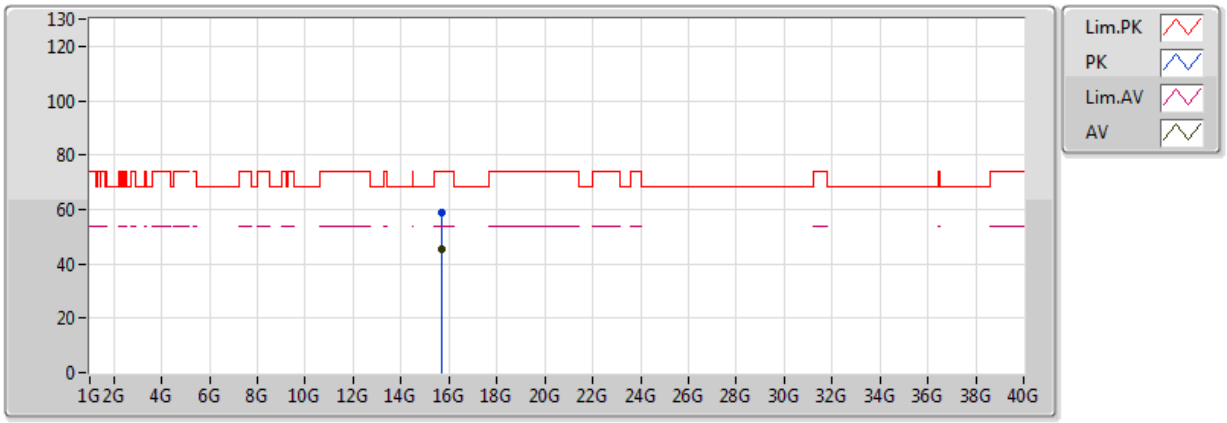


20170303
EUT Z_4TX
Setting 94
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71954G	45.48	54.00	-8.52	17.65	3	V	209	1.46	-
PK	15.719588G	59.78	74.00	-14.22	17.65	3	V	209	1.46	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

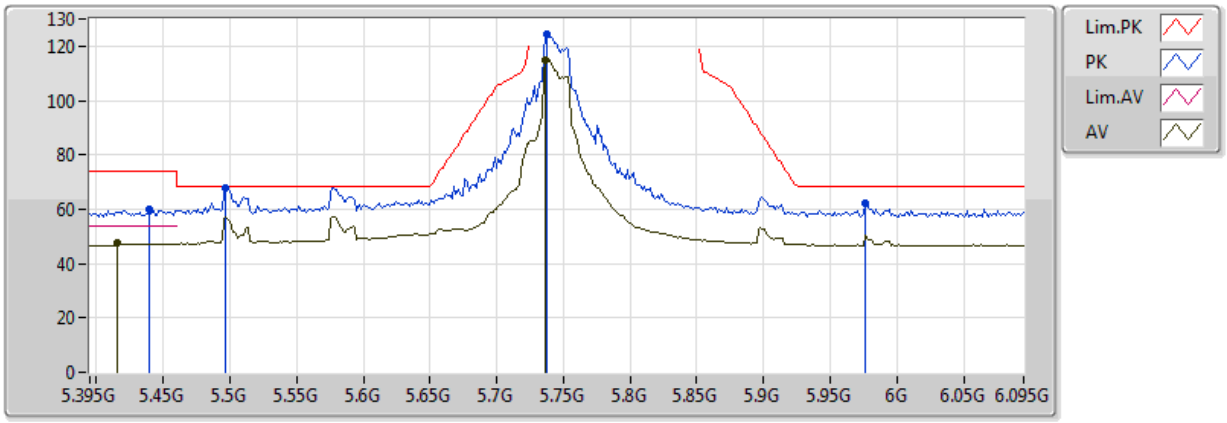


20170303
EUT Z_4TX
Setting 94
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.720864G	45.50	54.00	-8.50	17.65	3	H	338	2.50	-
PK	15.719772G	59.06	74.00	-14.94	17.65	3	H	338	2.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

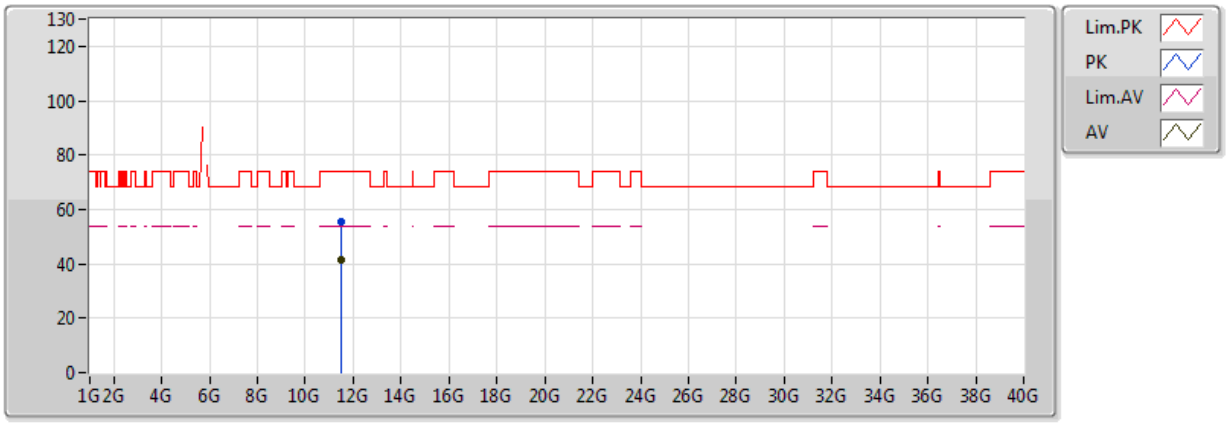


20170224
EUT Z_4TX
Setting 104
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.416G	47.44	54.00	-6.56	5.95	3	V	81	1.90	-
AV	5.7366G	114.92	Inf	-Inf	6.25	3	V	81	1.90	-
PK	5.4398G	59.94	74.00	-14.06	6.01	3	V	81	1.90	-
PK	5.4972G	67.91	68.20	-0.29	6.15	3	V	81	1.90	-
PK	5.738G	124.29	Inf	-Inf	6.25	3	V	81	1.90	-
PK	5.976G	61.94	68.20	-6.26	6.16	3	V	81	1.90	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

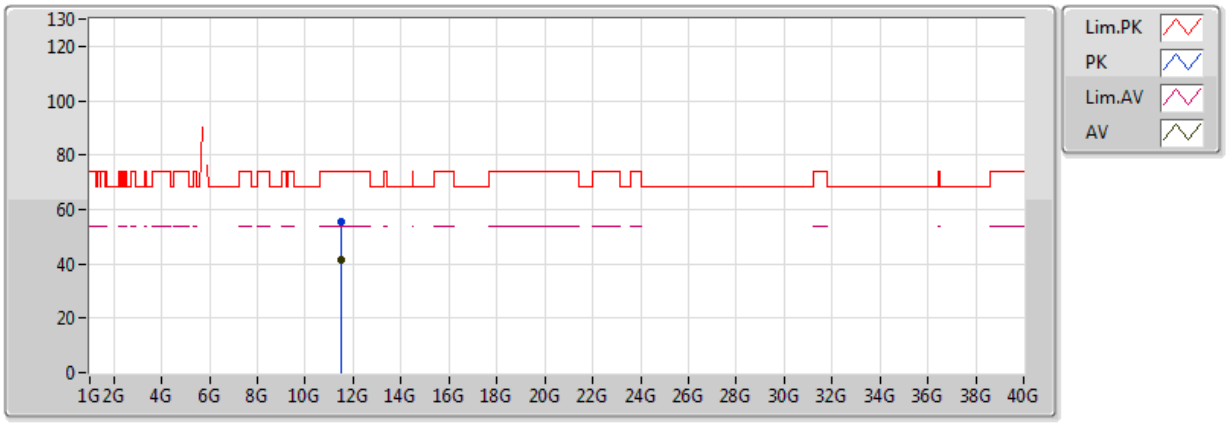


20170303
EUT Z_4TX
Setting 104
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.489632G	41.26	54.00	-12.74	16.31	3	V	104	1.85	-
PK	11.490668G	55.62	74.00	-18.38	16.32	3	V	104	1.85	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

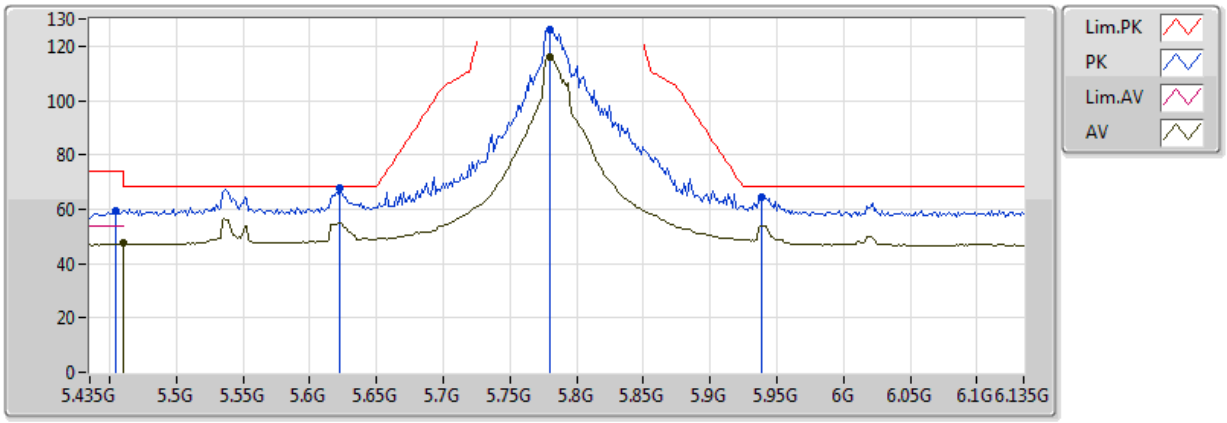


20170303
EUT Z_4TX
Setting 104
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.489364G	41.27	54.00	-12.73	16.31	3	H	119	1.86	-
PK	11.489052G	55.27	74.00	-18.73	16.31	3	H	119	1.86	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

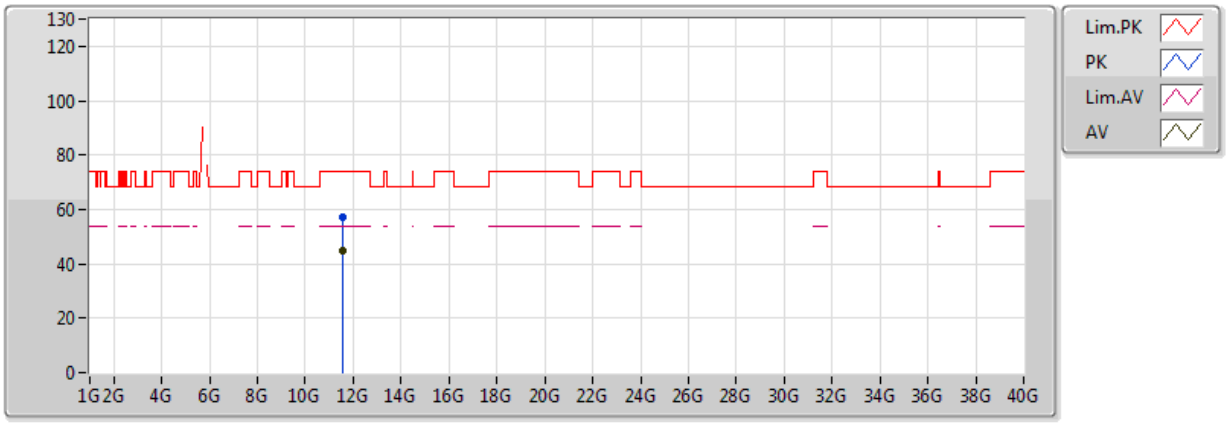


20170224
EUT Z_4TX
Setting 119
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459995G	47.42	54.00	-6.58	6.06	3	V	266	1.60	-
AV	5.7794G	115.78	Inf	-Inf	6.25	3	V	266	1.60	-
PK	5.4546G	59.48	74.00	-14.52	6.05	3	V	266	1.60	-
PK	5.6226G	67.97	68.20	-0.23	6.24	3	V	266	1.60	-
PK	5.7794G	125.99	Inf	-Inf	6.25	3	V	266	1.60	-
PK	5.939G	64.58	68.20	-3.62	6.18	3	V	266	1.60	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

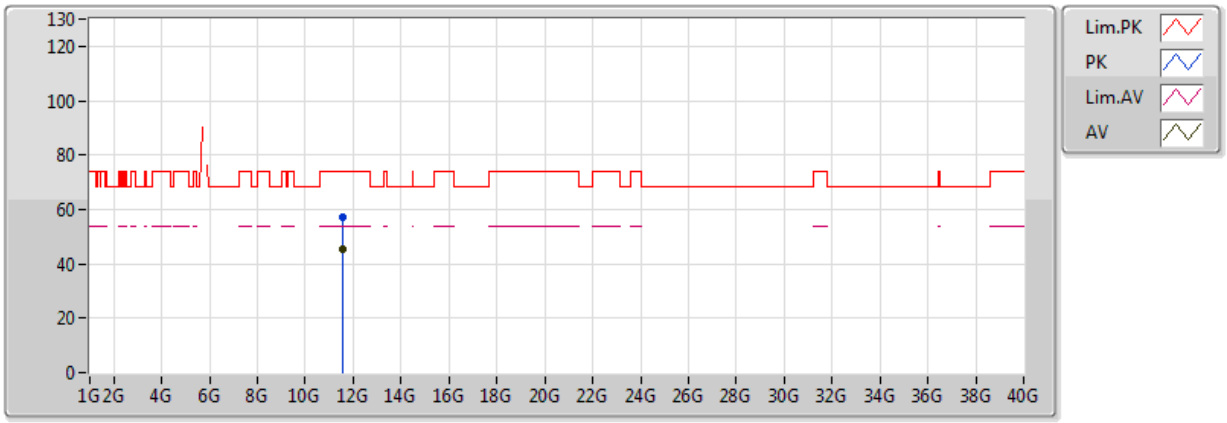


20170303
EUT Z_4TX
Setting 119
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.571G	45.08	54.00	-8.92	16.40	3	V	237	1.12	-
PK	11.570632G	57.16	74.00	-16.84	16.39	3	V	237	1.12	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

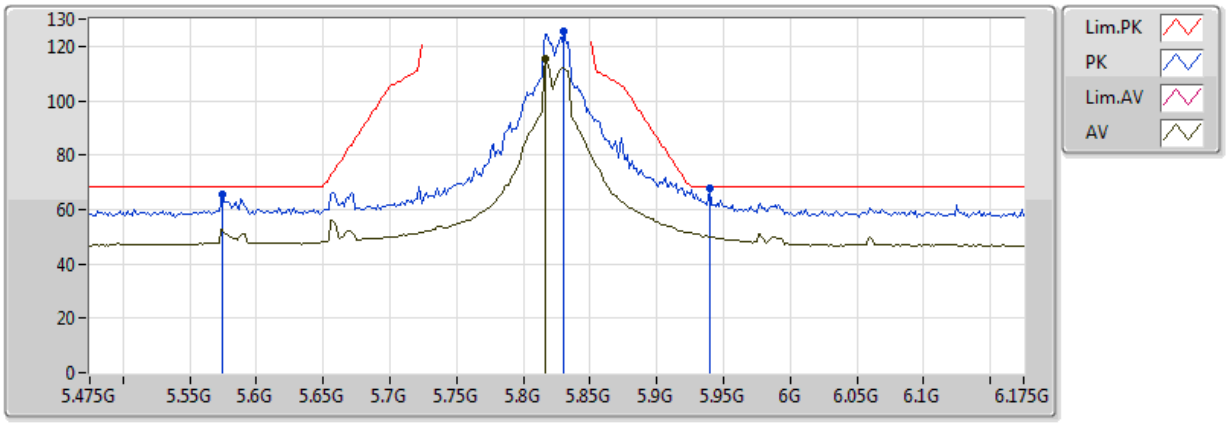


20170303
EUT Z_4TX
Setting 119
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.570324G	45.14	54.00	-8.86	16.39	3	H	359	2.06	-
PK	11.56918G	57.15	74.00	-16.85	16.39	3	H	359	2.06	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

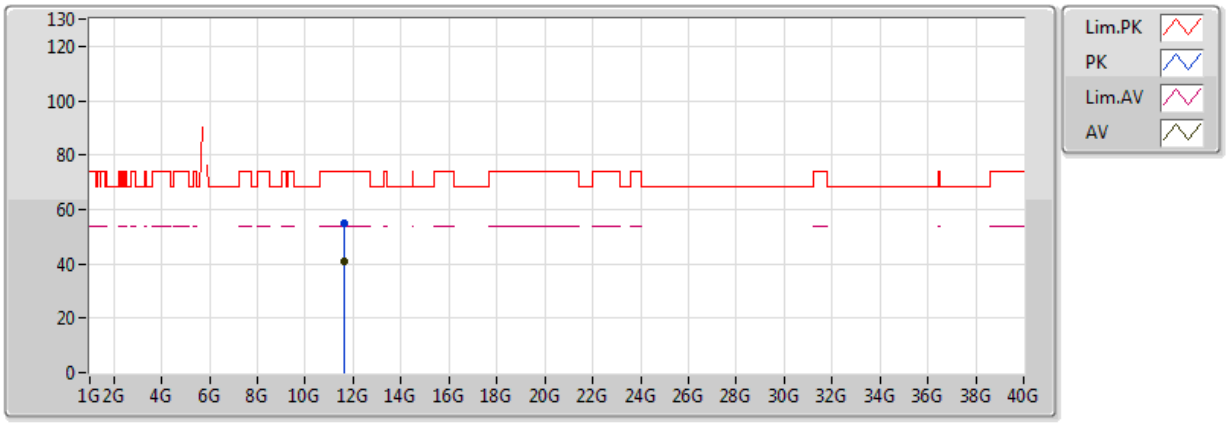


20170224
EUT Z_4TX
Setting 108
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8166G	115.26	Inf	-Inf	6.24	3	V	187	2.99	-
PK	5.5744G	65.42	68.20	-2.78	6.22	3	V	187	2.99	-
PK	5.8306G	125.40	Inf	-Inf	6.23	3	V	187	2.99	-
PK	5.9398G	67.95	68.20	-0.25	6.18	3	V	187	2.99	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

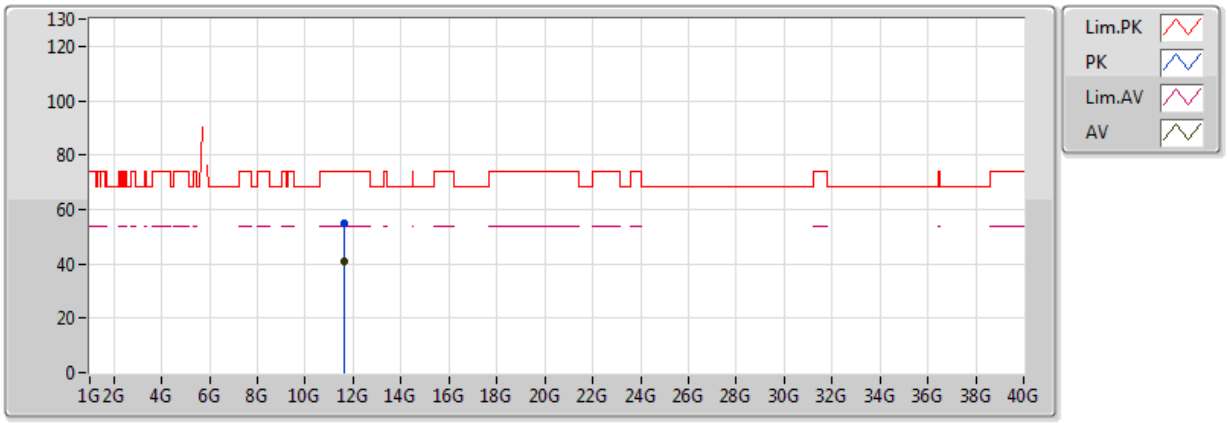


20170303
EUT Z_4TX
Setting 108
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.650368G	41.03	54.00	-12.97	16.47	3	V	63	1.73	-
PK	11.649312G	54.87	74.00	-19.13	16.47	3	V	63	1.73	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

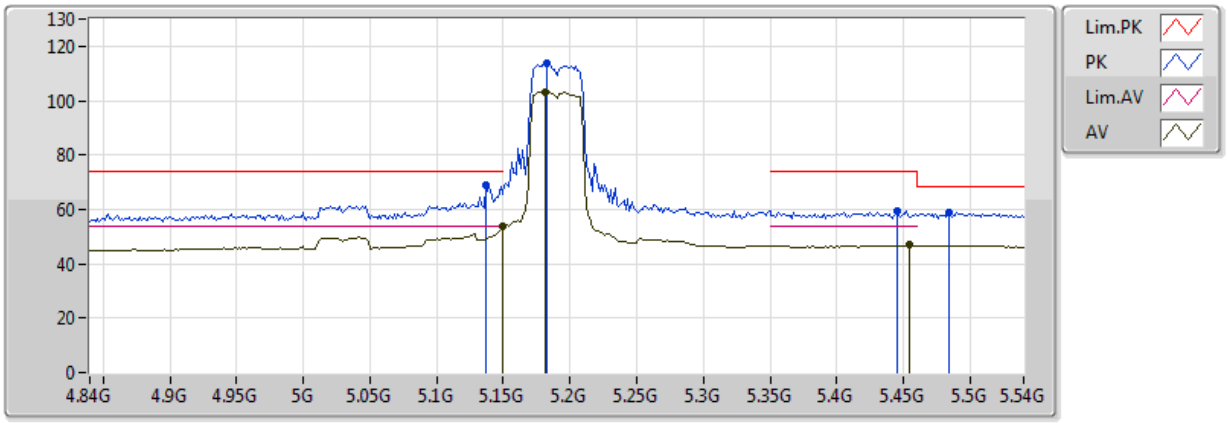


20170303
EUT Z_4TX
Setting 108
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.649852G	41.07	54.00	-12.93	16.47	3	H	49	1.83	-
PK	11.650216G	55.18	74.00	-18.82	16.47	3	H	49	1.83	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

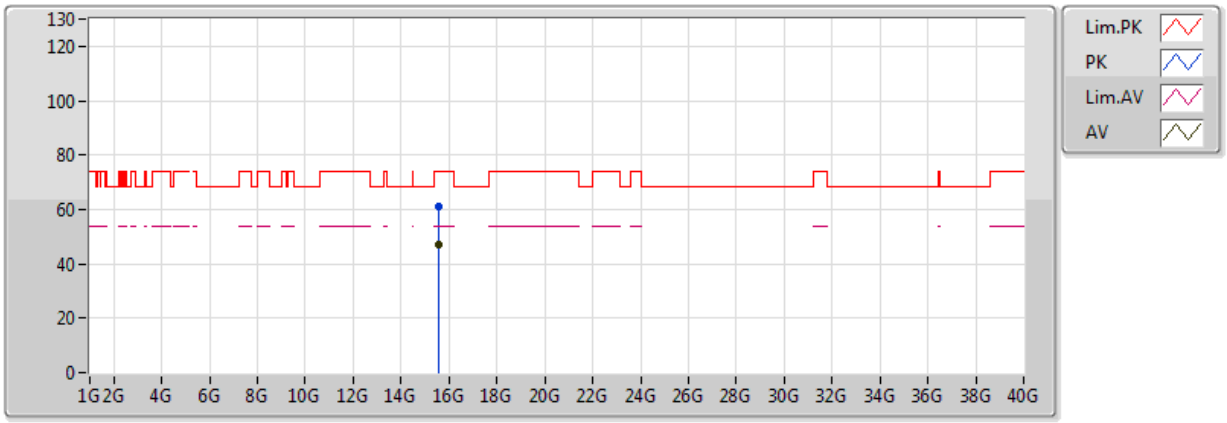


20170224
EUT Z_4TX
Setting 62
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.65	54.00	-0.35	5.44	3	V	359	1.94	-
AV	5.1816G	103.35	Inf	-Inf	5.51	3	V	359	1.94	-
AV	5.4546G	46.86	54.00	-7.14	6.05	3	V	359	1.94	-
PK	5.1368G	68.70	74.00	-5.30	5.42	3	V	359	1.94	-
PK	5.183G	113.84	Inf	-Inf	5.51	3	V	359	1.94	-
PK	5.4448G	59.32	74.00	-14.68	6.02	3	V	359	1.94	-
PK	5.484G	58.91	68.20	-9.29	6.12	3	V	359	1.94	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

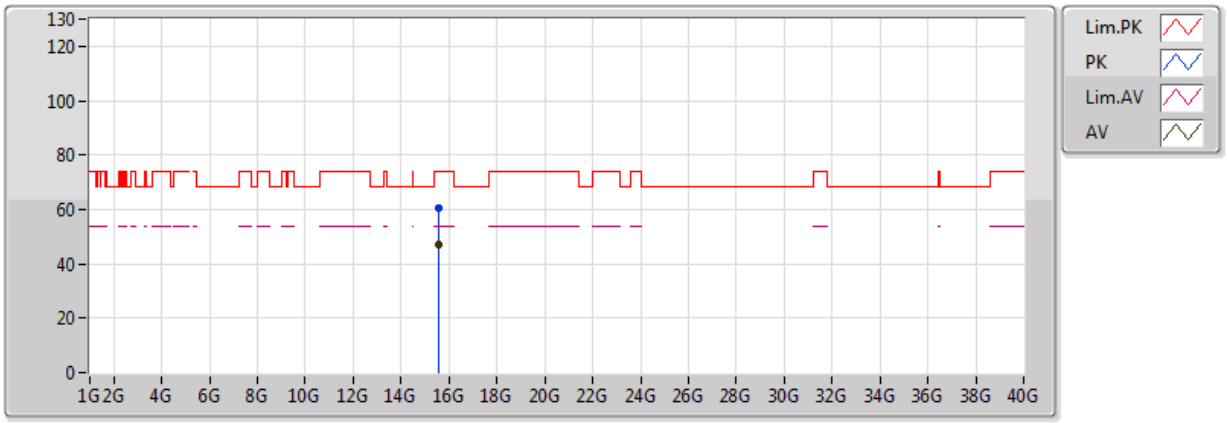


20170303
EUT Z_4TX
Setting 62
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.570432G	47.00	54.00	-7.00	18.03	3	V	313	2.08	-
PK	15.569652G	60.82	74.00	-13.18	18.04	3	V	313	2.08	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

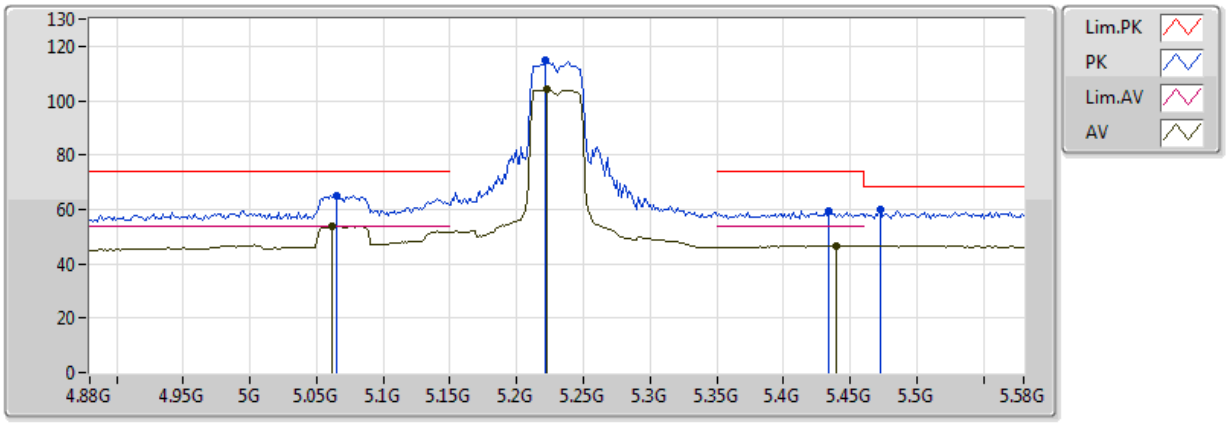


20170303
EUT Z_4TX
Setting 62
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.570892G	47.01	54.00	-6.99	18.03	3	H	31	1.26	-
PK	15.569496G	60.57	74.00	-13.43	18.04	3	H	31	1.26	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

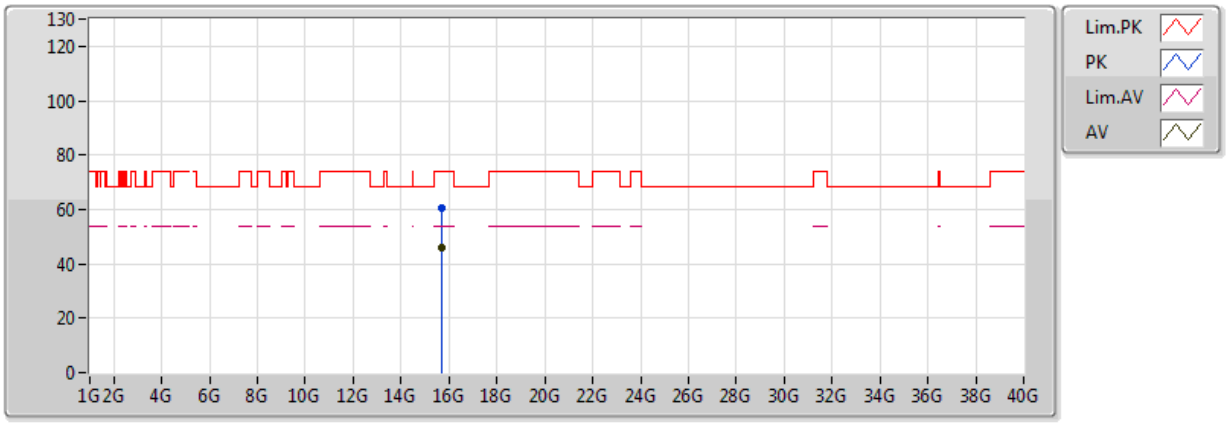


20170224
EUT Z_4TX
Setting 68
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.062G	53.88	54.00	-0.12	5.24	3	V	340	1.93	-
AV	5.223G	104.01	Inf	-Inf	5.59	3	V	340	1.93	-
AV	5.44G	46.62	54.00	-7.38	6.01	3	V	340	1.93	-
PK	5.0648G	65.24	74.00	-8.76	5.25	3	V	340	1.93	-
PK	5.2216G	114.70	Inf	-Inf	5.59	3	V	340	1.93	-
PK	5.4344G	59.57	74.00	-14.43	6.00	3	V	340	1.93	-
PK	5.4722G	59.76	68.20	-8.44	6.09	3	V	340	1.93	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

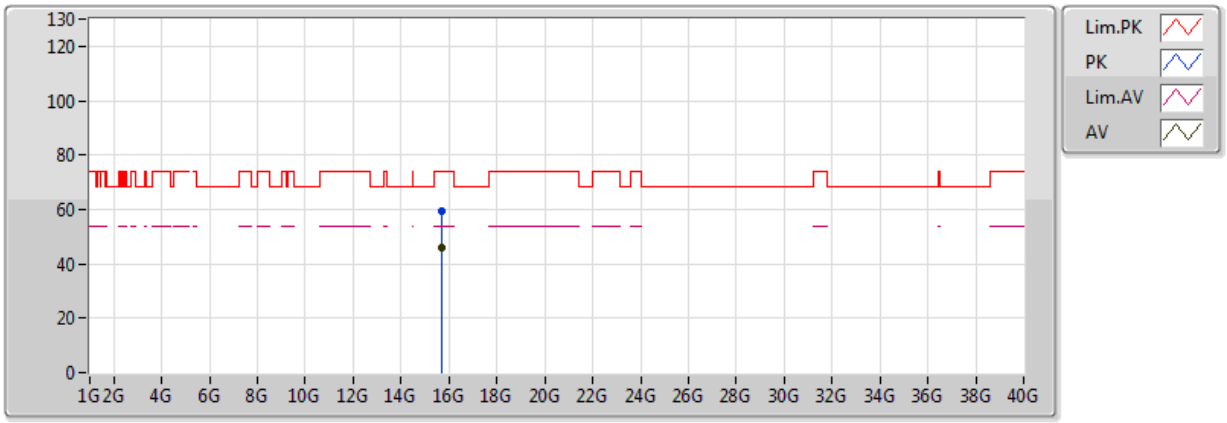


20170303
EUT Z_4TX
Setting 68
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69G	45.69	54.00	-8.31	17.73	3	V	177	1.85	-
PK	15.68902G	60.62	74.00	-13.38	17.73	3	V	177	1.85	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

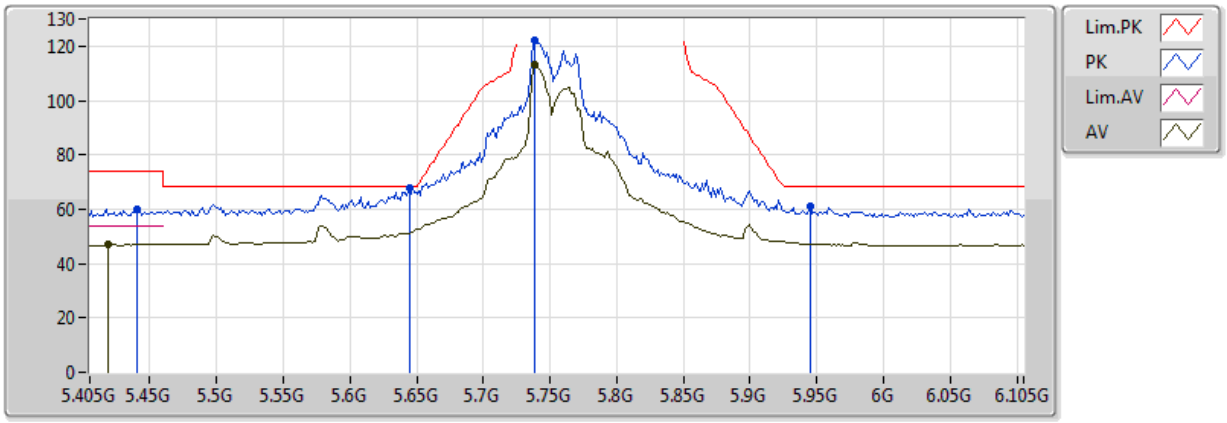


20170303
EUT Z_4TX
Setting 68
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69054G	45.69	54.00	-8.31	17.73	3	H	191	1.28	-
PK	15.690424G	59.59	74.00	-14.41	17.73	3	H	191	1.28	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

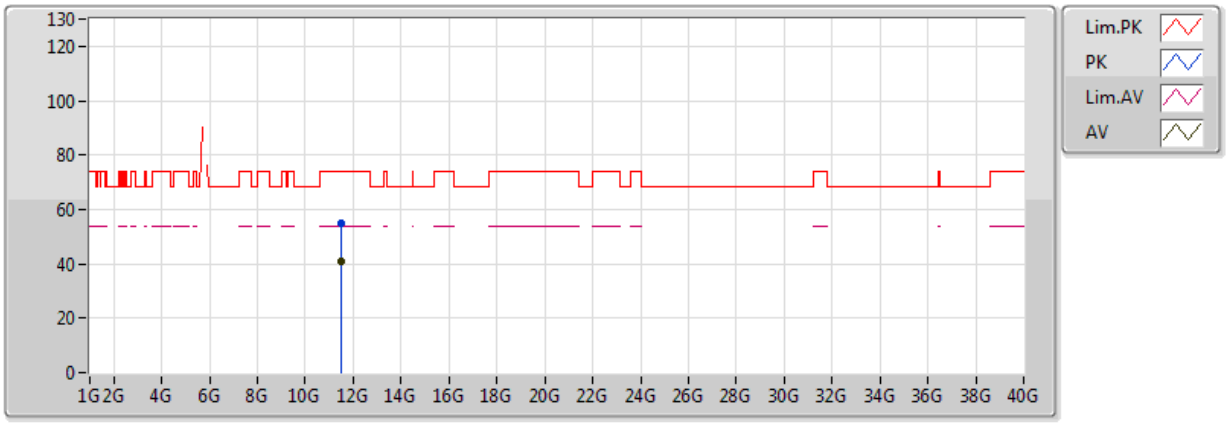


20170224
EUT Z_4TX
Setting 100
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.419G	47.28	54.00	-6.72	5.96	3	V	97	2.33	-
AV	5.7382G	112.98	Inf	-Inf	6.25	3	V	97	2.33	-
PK	5.44G	60.10	74.00	-13.90	6.01	3	V	97	2.33	-
PK	5.6444G	67.87	68.20	-0.33	6.24	3	V	97	2.33	-
PK	5.7382G	122.24	Inf	-Inf	6.25	3	V	97	2.33	-
PK	5.9454G	61.14	68.20	-7.06	6.18	3	V	97	2.33	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

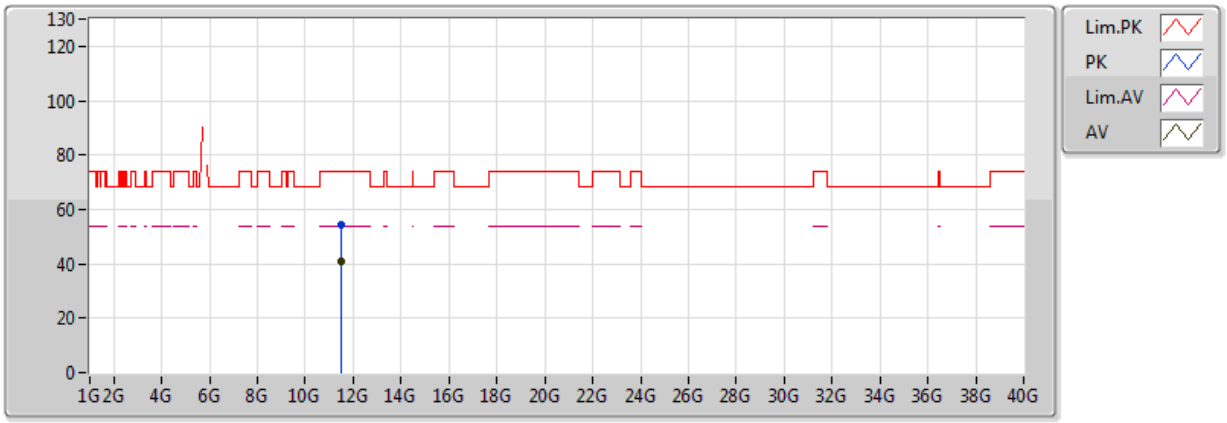


20170303
EUT Z_4TX
Setting 100
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.509636G	40.91	54.00	-13.09	16.33	3	V	253	1.42	-
PK	11.509284G	55.09	74.00	-18.91	16.33	3	V	253	1.42	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

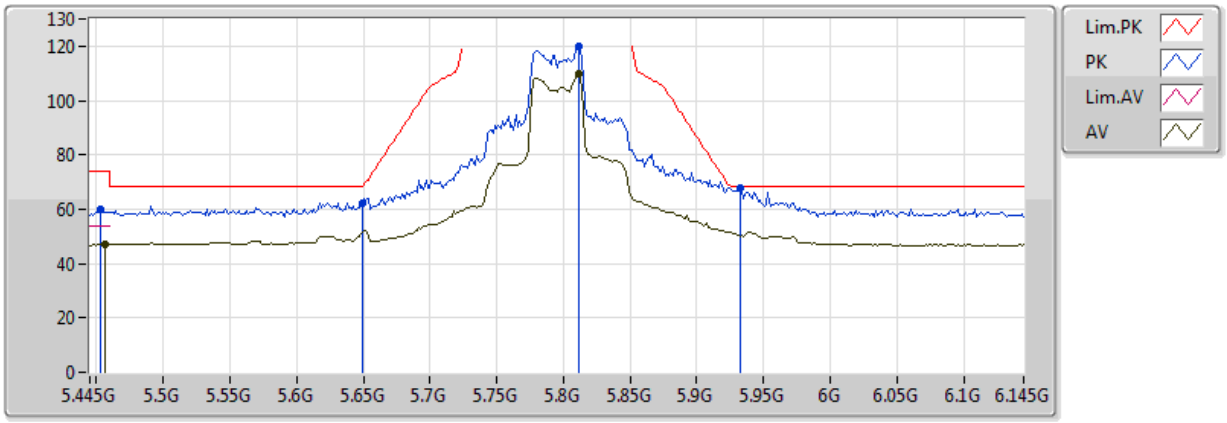


20170303
EUT Z_4TX
Setting 100
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.509324G	41.07	54.00	-12.93	16.33	3	H	170	1.00	-
PK	11.510676G	54.51	74.00	-19.49	16.34	3	H	170	1.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

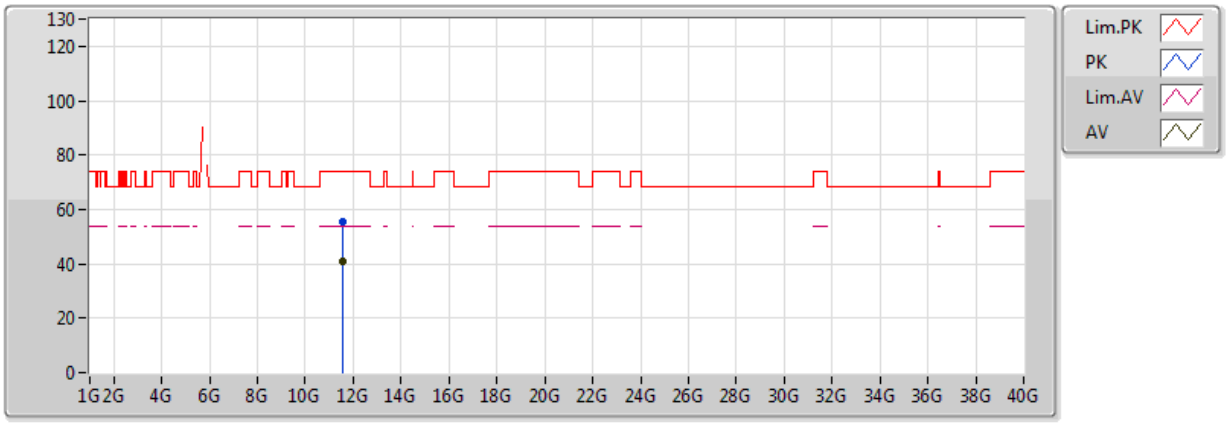


20170224
EUT Z_4TX
Setting 97
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4562G	47.27	54.00	-6.73	6.05	3	V	267	1.63	-
AV	5.8118G	109.94	Inf	-Inf	6.24	3	V	267	1.63	-
PK	5.4534G	60.02	74.00	-13.98	6.04	3	V	267	1.63	-
PK	5.6494G	62.39	68.20	-5.81	6.24	3	V	267	1.63	-
PK	5.8118G	119.66	Inf	-Inf	6.24	3	V	267	1.63	-
PK	5.9322G	68.01	68.20	-0.19	6.18	3	V	267	1.63	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

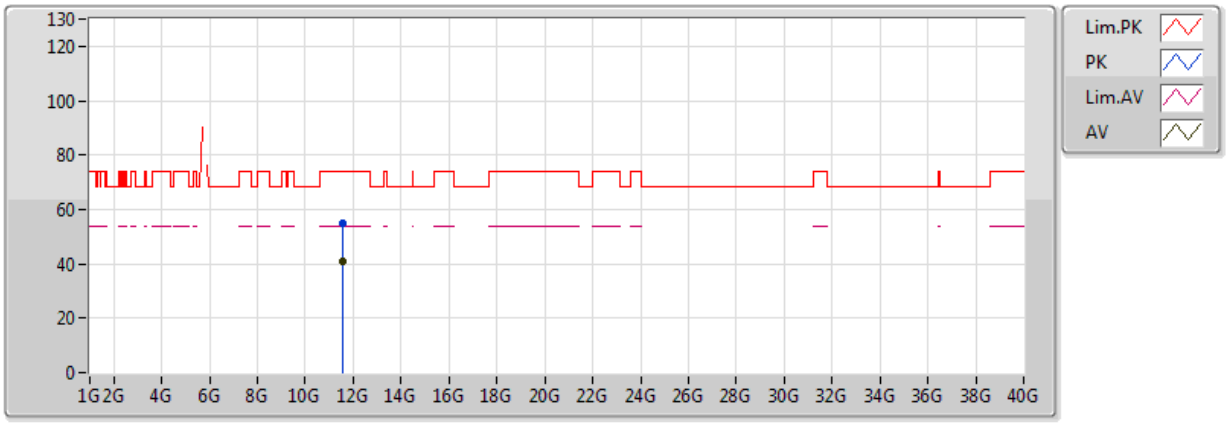


20170303
EUT Z_4TX
Setting 97
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.590744G	40.75	54.00	-13.25	16.41	3	V	205	1.79	-
PK	11.58978G	55.33	74.00	-18.67	16.41	3	V	205	1.79	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

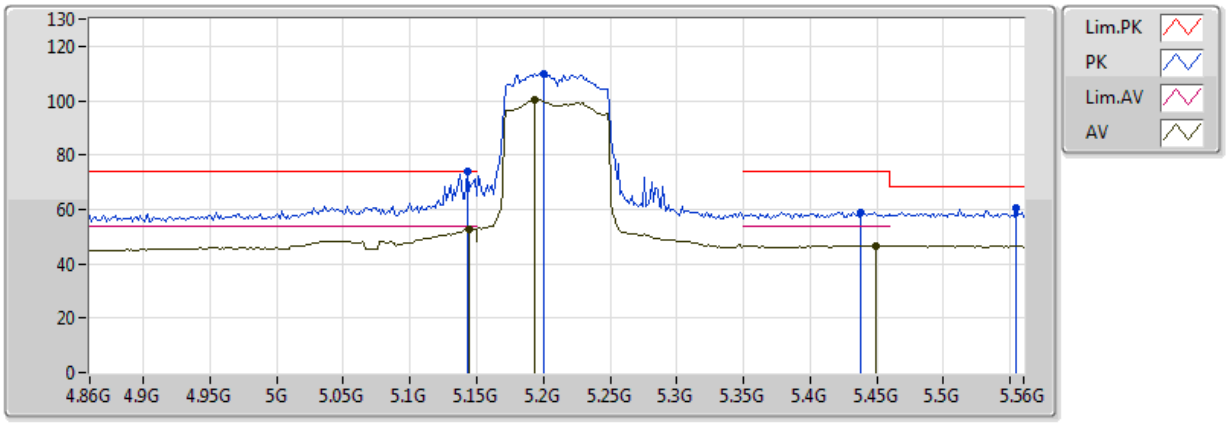


20170303
EUT Z_4TX
Setting 97
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.590876G	40.77	54.00	-13.23	16.41	3	H	51	2.09	-
PK	11.5893G	55.07	74.00	-18.93	16.41	3	H	51	2.09	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

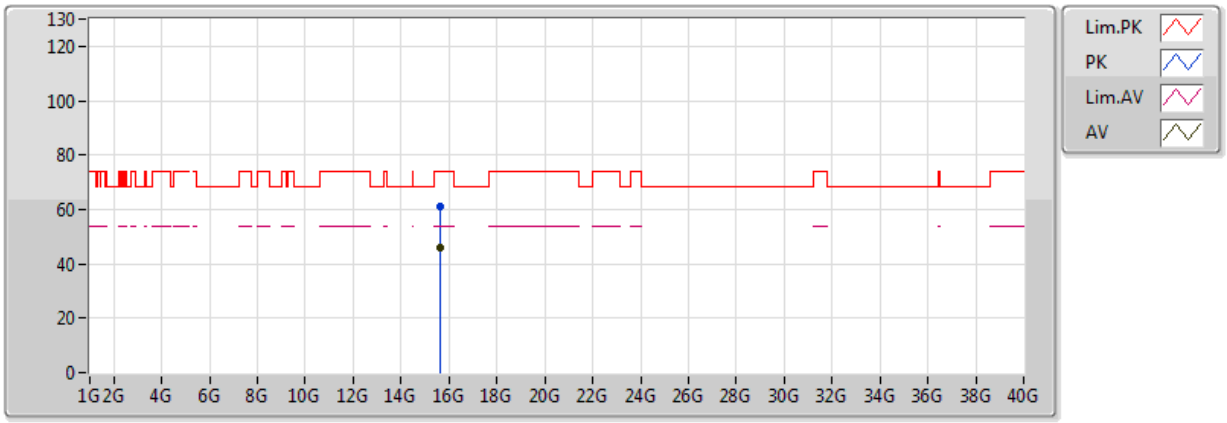


20170224
EUT Z_4TX
Setting 59
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1442G	52.54	54.00	-1.46	5.43	3	V	359	1.94	-
AV	5.1932G	100.19	Inf	-Inf	5.54	3	V	359	1.94	-
AV	5.4494G	46.69	54.00	-7.31	6.03	3	V	359	1.94	-
PK	5.1428G	73.97	74.00	-0.03	5.43	3	V	359	1.94	-
PK	5.2002G	109.85	Inf	-Inf	5.55	3	V	359	1.94	-
PK	5.4382G	58.80	74.00	-15.20	6.01	3	V	359	1.94	-
PK	5.5544G	60.41	68.20	-7.79	6.20	3	V	359	1.94	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

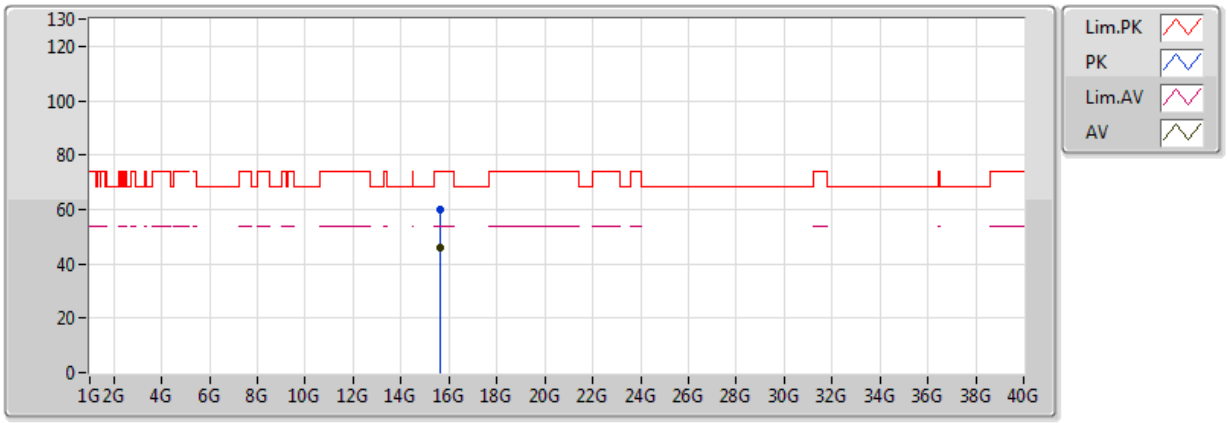


20170303
EUT Z_4TX
Setting 59
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.629G	46.20	54.00	-7.80	17.88	3	V	93	2.19	-
PK	15.630356G	60.81	74.00	-13.19	17.88	3	V	93	2.19	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

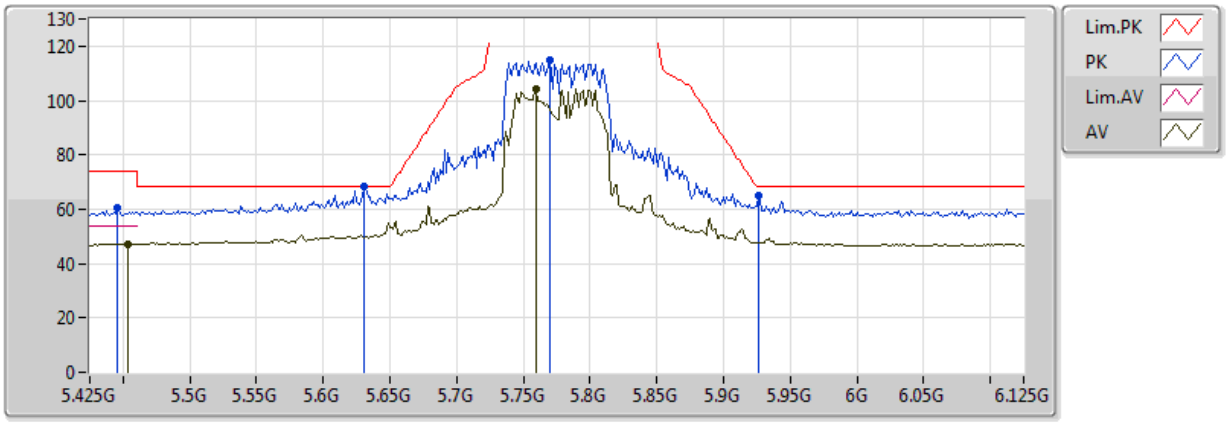


20170303
EUT Z_4TX
Setting 59
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.62946G	46.16	54.00	-7.84	17.88	3	H	242	1.46	-
PK	15.629572G	59.87	74.00	-14.13	17.88	3	H	242	1.46	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

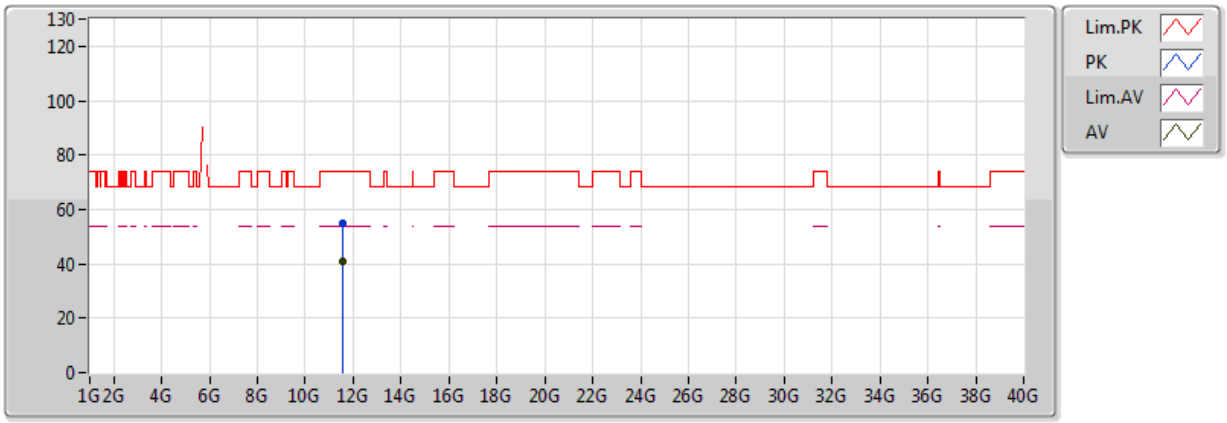


20170224
EUT Z_4TX
Setting 83
03-W-3-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.453G	47.32	54.00	-6.68	6.04	3	V	164	1.92	-
AV	5.7596G	104.33	Inf	-Inf	6.25	3	V	164	1.92	-
PK	5.446G	60.39	74.00	-13.61	6.03	3	V	164	1.92	-
PK	5.6308G	68.09	68.20	-0.11	6.24	3	V	164	1.92	-
PK	5.7694G	114.69	Inf	-Inf	6.25	3	V	164	1.92	-
PK	5.9262G	64.91	68.20	-3.29	6.19	3	V	164	1.92	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

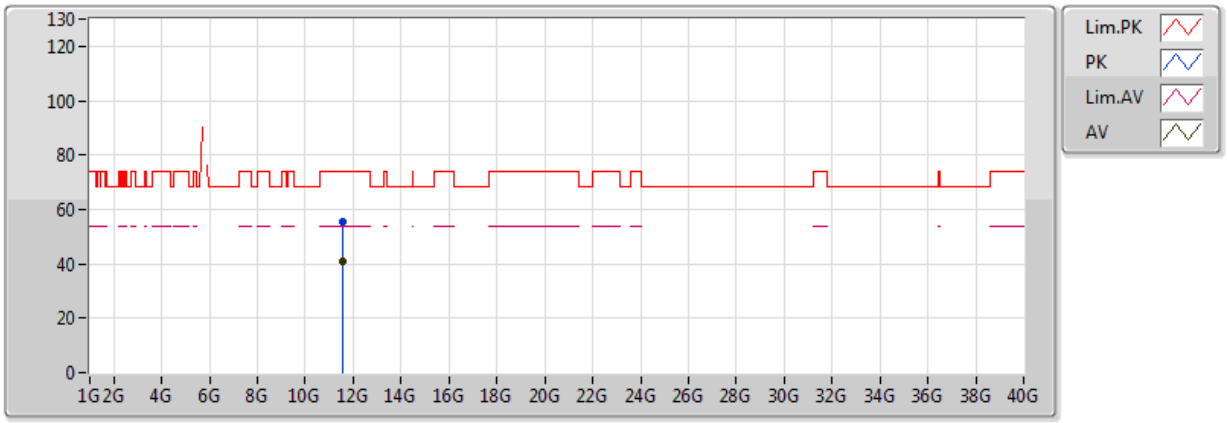


20170303
EUT Z_4TX
Setting 83
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.550648G	40.81	54.00	-13.19	16.38	3	V	287	2.01	-
PK	11.550456G	54.97	74.00	-19.03	16.37	3	V	287	2.01	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX



20170303
EUT Z_4TX
Setting 83
02-M-1
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.550908G	40.83	54.00	-13.17	16.38	3	H	256	1.83	-
PK	11.550508G	55.27	74.00	-18.73	16.38	3	H	256	1.83	-

Mode: 20 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9795	5199.9786	5199.9776	5199.9769
110.00	5199.9791	5199.9785	5199.9776	5199.9768
93.50	5199.9790	5199.9781	5199.9778	5199.9769
Max. Deviation (MHz)	**0.0210**	**0.0219**	**0.0224**	**0.0232**
Max. Deviation (ppm)	**4.04**	**4.21**	**4.31**	**4.46**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5199.9832	5199.9826	5199.9824	5199.9818
-20	5199.9831	5199.9822	5199.9814	5199.9810
-10	5199.9821	5199.9816	5199.9806	5199.9801
0	5199.9810	5199.9806	5199.9796	5199.9786
10	5199.9804	5199.9799	5199.9790	5199.9780
20	5199.9791	5199.9782	5199.9774	5199.9769
30	5199.9787	5199.9777	5199.9767	5199.9765
40	5199.9775	5199.9769	5199.9765	5199.9760
50	5199.9774	5199.9770	5199.9767	5199.9760
Max. Deviation (MHz)	**0.0226**	**0.0231**	**0.0235**	**0.0240**
Max. Deviation (ppm)	**4.35**	**4.44**	**4.52**	**4.62**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9792	5784.9783	5784.9779	5784.9776
110.00	5784.9791	5784.9787	5784.9778	5784.9774
93.50	5784.9784	5784.9782	5784.9773	5784.9768
Max. Deviation (MHz)	**0.0216**	**0.0218**	**0.0227**	**0.0232**
Max. Deviation (ppm)	**3.73**	**3.77**	**3.92**	**4.01**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5784.9839	5784.9831	5784.9828	5784.9822
-20	5784.9830	5784.9829	5784.9823	5784.9816
-10	5784.9813	5784.9808	5784.9798	5784.9794
0	5784.9798	5784.9795	5784.9789	5784.9788
10	5784.9794	5784.9785	5784.9781	5784.9772
20	5784.9791	5784.9789	5784.9783	5784.9776
30	5784.9787	5784.9782	5784.9777	5784.9774
40	5784.9771	5784.9770	5784.9768	5784.9766
50	5784.9785	5784.9781	5784.9779	5784.9772
Max. Deviation (MHz)	**0.0229**	**0.0230**	**0.0232**	**0.0234**
Max. Deviation (ppm)	**3.96**	**3.98**	**4.01**	**4.04**
Result	Pass			

Mode: 40 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9797	5189.9791	5189.9782	5189.9780
110.00	5189.9791	5189.9790	5189.9787	5189.9786
93.50	5189.9782	5189.9775	5189.9768	5189.9765
Max. Deviation (MHz)	**0.0218**	**0.0225**	**0.0232**	**0.0235**
Max. Deviation (ppm)	**4.20**	**4.34**	**4.47**	**4.53**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5189.9868	5189.9867	5189.9862	5189.9861
-20	5189.9859	5189.9856	5189.9854	5189.9844
-10	5189.9839	5189.9837	5189.9828	5189.9825
0	5189.9819	5189.9817	5189.9809	5189.9804
10	5189.9805	5189.9796	5189.9788	5189.9786
20	5189.9791	5189.9787	5189.9785	5189.9776
30	5189.9787	5189.9780	5189.9771	5189.9768
40	5189.9781	5189.9777	5189.9774	5189.9766
50	5189.9787	5189.9779	5189.9772	5189.9765
Max. Deviation (MHz)	**0.0219**	**0.0223**	**0.0229**	**0.0235**
Max. Deviation (ppm)	**4.22**	**4.30**	**4.41**	**4.53**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9799	5754.9795	5754.9791	5754.9789
110.00	5754.9791	5754.9789	5754.9780	5754.9771
93.50	5754.9790	5754.9782	5754.9776	5754.9775
Max. Deviation (MHz)	**0.0210**	**0.0218**	**0.0224**	**0.0229**
Max. Deviation (ppm)	**3.65**	**3.79**	**3.89**	**3.98**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5754.9825	5754.9816	5754.9806	5754.9802
-20	5754.9823	5754.9821	5754.9815	5754.9809
-10	5754.9819	5754.9811	5754.9807	5754.9798
0	5754.9809	5754.9804	5754.9798	5754.9796
10	5754.9807	5754.9802	5754.9797	5754.9791
20	5754.9791	5754.9787	5754.9784	5754.9775
30	5754.9787	5754.9783	5754.9773	5754.9769
40	5754.9773	5754.9763	5754.9756	5754.9746
50	5754.9775	5754.9773	5754.9768	5754.9759
Max. Deviation (MHz)	**0.0227**	**0.0237**	**0.0244**	**0.0254**
Max. Deviation (ppm)	**3.94**	**4.12**	**4.24**	**4.41**
Result	Pass			

Mode: 80 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9793	5209.9790	5209.9783	5209.9778
110.00	5209.9791	5209.9786	5209.9781	5209.9773
93.50	5209.9790	5209.9783	5209.9773	5209.9771
Max. Deviation (MHz)	**0.0210**	**0.0217**	**0.0227**	**0.0229**
Max. Deviation (ppm)	**4.03**	**4.17**	**4.36**	**4.40**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5209.9847	5209.9844	5209.9835	5209.9826
-20	5209.9836	5209.9834	5209.9829	5209.9819
-10	5209.9827	5209.9824	5209.9821	5209.9817
0	5209.9818	5209.9816	5209.9811	5209.9802
10	5209.9804	5209.9797	5209.9791	5209.9781
20	5209.9791	5209.9783	5209.9782	5209.9781
30	5209.9787	5209.9786	5209.9782	5209.9778
40	5209.9774	5209.9766	5209.9765	5209.9763
50	5209.9774	5209.9765	5209.9755	5209.9749
Max. Deviation (MHz)	**0.0226**	**0.0235**	**0.0245**	**0.0251**
Max. Deviation (ppm)	**4.34**	**4.51**	**4.70**	**4.82**
Result	Pass			

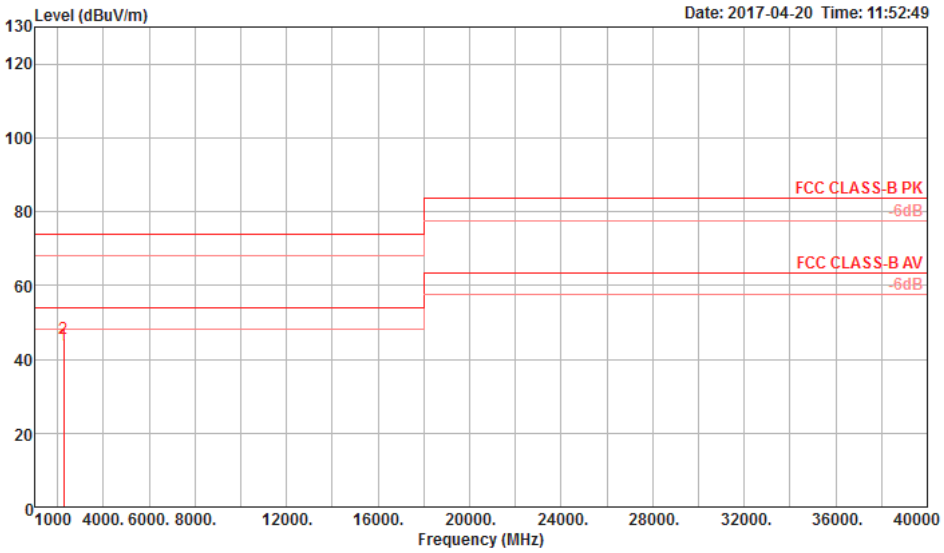
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9800	5774.9791	5774.9781	5774.9774
110.00	5774.9791	5774.9783	5774.9777	5774.9775
93.50	5774.9784	5774.9780	5774.9778	5774.9774
Max. Deviation (MHz)	**0.0216**	**0.0220**	**0.0223**	**0.0226**
Max. Deviation (ppm)	**3.74**	**3.81**	**3.86**	**3.91**
Result	Pass			

Temperature vs. Frequency Stability

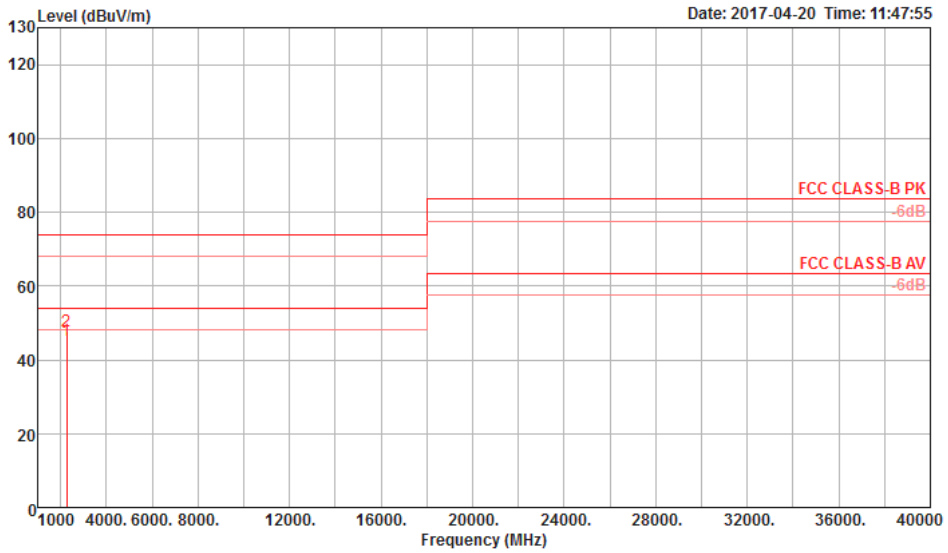
Temperature	Measurement Frequency (MHz)			
(℃)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5774.9841	5774.9833	5774.9826	5774.9820
-20	5774.9823	5774.9816	5774.9806	5774.9802
-10	5774.9813	5774.9806	5774.9796	5774.9791
0	5774.9810	5774.9807	5774.9797	5774.9792
10	5774.9801	5774.9798	5774.9792	5774.9785
20	5774.9791	5774.9784	5774.9779	5774.9771
30	5774.9787	5774.9786	5774.9785	5774.9778
40	5774.9770	5774.9763	5774.9758	5774.9757
50	5774.9786	5774.9785	5774.9782	5774.9776
Max. Deviation (MHz)	**0.0230**	**0.0237**	**0.0242**	**0.0243**
Max. Deviation (ppm)	**3.98**	**4.10**	**4.19**	**4.21**
Result	Pass			

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2268.94	43.81	54.00	-10.19	46.54	3.60	28.24	34.57	154	321	Average	HORIZONTAL
2	2269.59	45.50	74.00	-28.50	48.24	3.60	28.23	34.57	154	321	Peak	HORIZONTAL

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2269.28	45.31	54.00	-8.69	48.05	3.60	28.23	34.57	134	85	Average	VERTICAL
2	2270.57	47.86	74.00	-26.14	50.60	3.60	28.23	34.57	134	85	Peak	VERTICAL