



FCC Test Report

Equipment : Wi-Fi Repeater
Brand Name : Hughes
Model No. : RE2000
FCC ID : RAXWE410443
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5725 MHz – 5850 MHz
Applicant : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client

The product sample received on Mar. 09, 2017 and completely tested on Apr. 14, 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.

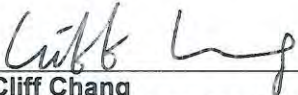

Cliff Chang
SPORTON INTERNATIONAL INC.





Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	8
1.3	Testing Location Information.....	8
1.4	Measurement Uncertainty	8
2	TEST CONFIGURATION OF EUT	9
2.1	Test Channel Mode	9
2.2	The Worst Case Measurement Configuration.....	11
2.3	EUT Operation during Test	12
2.4	Accessories	13
2.5	Support Equipment.....	13
2.6	Test Setup Diagram	14
3	TRANSMITTER TEST RESULT	18
3.1	AC Power-line Conducted Emissions	18
3.2	Emission Bandwidth	20
3.3	Maximum Conducted Output Power	21
3.4	Peak Power Spectral Density.....	23
3.5	Unwanted Emissions.....	26
3.6	Frequency Stability.....	30
4	TEST EQUIPMENT AND CALIBRATION DATA	31
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS		
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH		
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY		
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS		
APPENDIX F. TEST RESULTS OF FREQUENCY STABILITY		
APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION		
APPENDIX H. PHOTOGRAPHS OF EUT		
APPENDIX I. TEST PHOTOS		

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



Report No. : FR730945AB

[illegible]

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 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		Brand	Part No.	Type	Connector	Gain (dBi)	
	2.4GHz	5GHz					2.4GHz	5GHz
1	1	4	Arcadyan	120800035600J	PCB Dipole	I-PEX	3.28	3.55
2	2	3	Arcadyan	120800035900J	PCB Dipole	I-PEX	3.28	3.55
3	3	2	Arcadyan	120800035700J	PCB Dipole	I-PEX	3.28	3.55
4	4	1	Arcadyan	120800035800J	PCB Dipole	I-PEX	3.28	3.55

Note: The EUT has four antennas.

For 2.4GHz function:

Chain 1 ~ Chain 4 connect to port 1 ~ port 4

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

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

For 5GHz function:

Chain 1 ~ Chain 4 connect to port 1 ~ port 4

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

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

**1.1.3 Mode Test Duty Cycle**

Mode	DC	T(s)
802.11a	0.983	0.074
802.11ac VHT20	0.809	0.921
802.11ac VHT20-BF	0.993	0.031
802.11ac VHT40	0.652	1.858
802.11ac VHT40-BF	0.983	0.074
802.11ac VHT80	0.493	3.072
802.11ac VHT80-BF	0.986	0.061

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

1.2 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 v01r03
- ♦ 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	Gino Huang	25°C / 53%	Mar. 24, 2017 ~ Apr. 05, 2017
Radiated (Below 1GHz)	03CH01-CB	Paul Chen	22°C / 54%	Mar. 27, 2017
Radiated (Above 1GHz)	03CH01-CB	Steven Liang	22°C / 54%	Mar. 27, 2017 ~ Apr. 06, 2017
AC Conduction	CO01-CB	Edison Lin	23°C / 57%	Apr. 14, 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 x10 ⁻⁸	Confidence levels of 95%
Frequency Stability	6.06 x10 ⁻⁸	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	19
5200MHz	20
5240MHz	20
5745MHz	23
5785MHz	1F
5825MHz	1D
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	1B
5200MHz	1D
5240MHz	21
5745MHz	26
5785MHz	1F
5825MHz	1C
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	0E
5230MHz	11
5755MHz	1A
5795MHz	15
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	0F
5775MHz	1B
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	27
5200MHz	34
5240MHz	32
5745MHz	32
5785MHz	29
5825MHz	28
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	18
5230MHz	37
5755MHz	31
5795MHz	30
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	19
5775MHz	24



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	EUT in Y axis

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	EUT in Y axis - WLAN 2.4GHz + WLAN 5GHz
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
Refer to Sporton Test Report No.: FA730945 for Co-location RF Exposure Evaluation.	

Note: The EUT can only use Y axis position.



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 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX device 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
1	Adapter	APD	WB-18D12FU	INPUT: 100-240V ~ 50-60Hz, 0.5A Max. OUTPUT: 12V, 1.5A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*3	DELL	E6430	DoC

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	NB*2	Apple	Mac Book	DoC

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

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

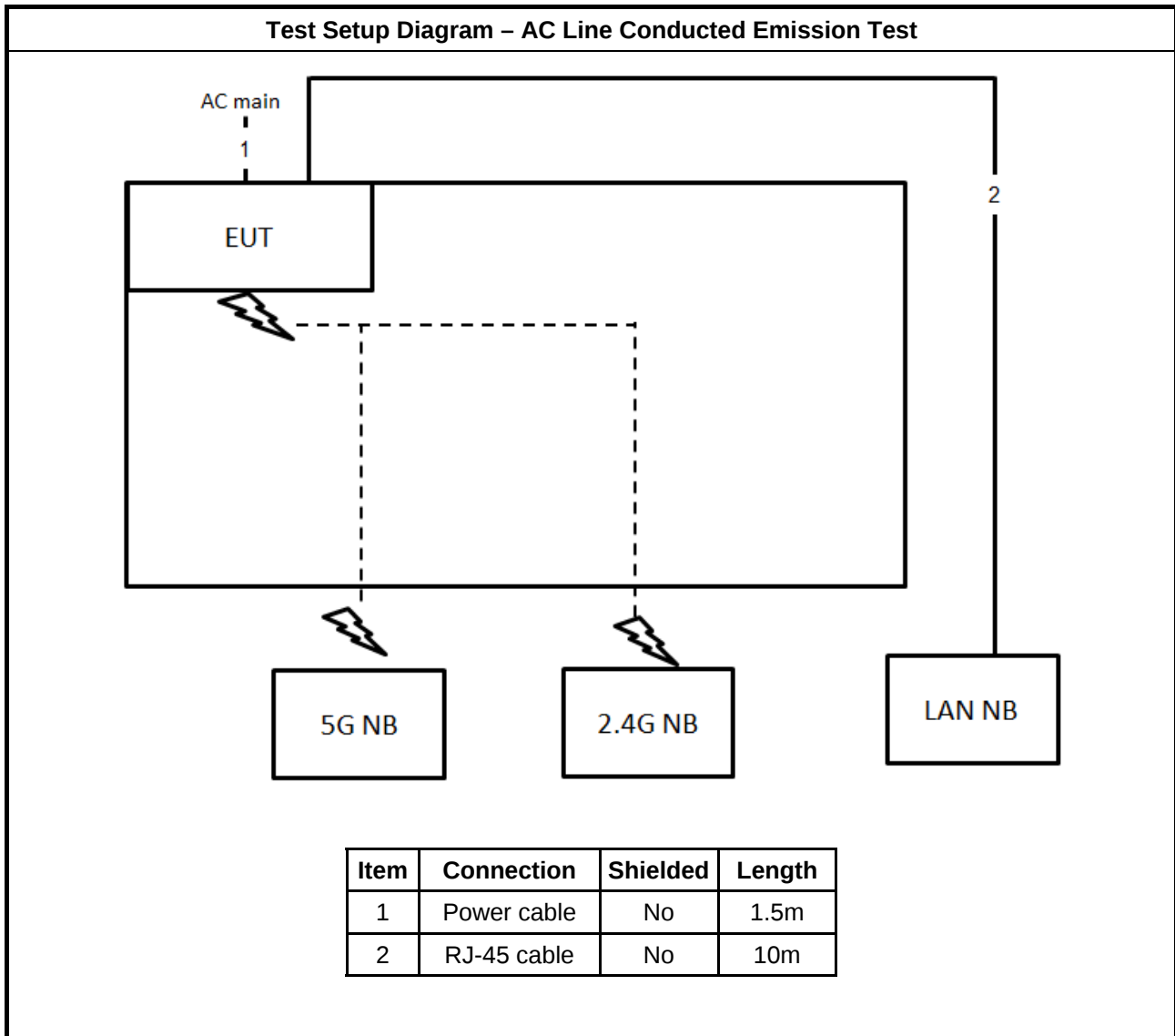
(For beamforming mode)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	RX Device	Hughes	RE2000	RAXWE410443

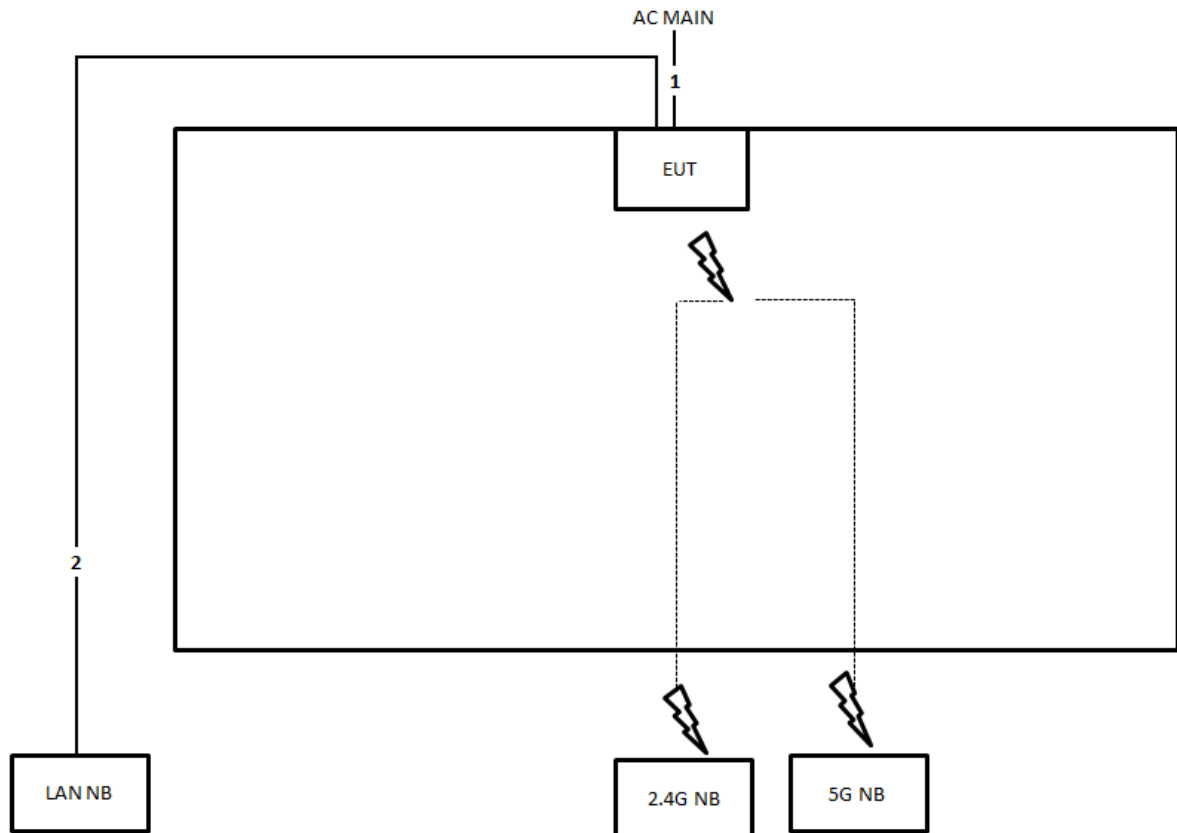
For Test Site No: TH01-CB

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

2.6 Test Setup Diagram

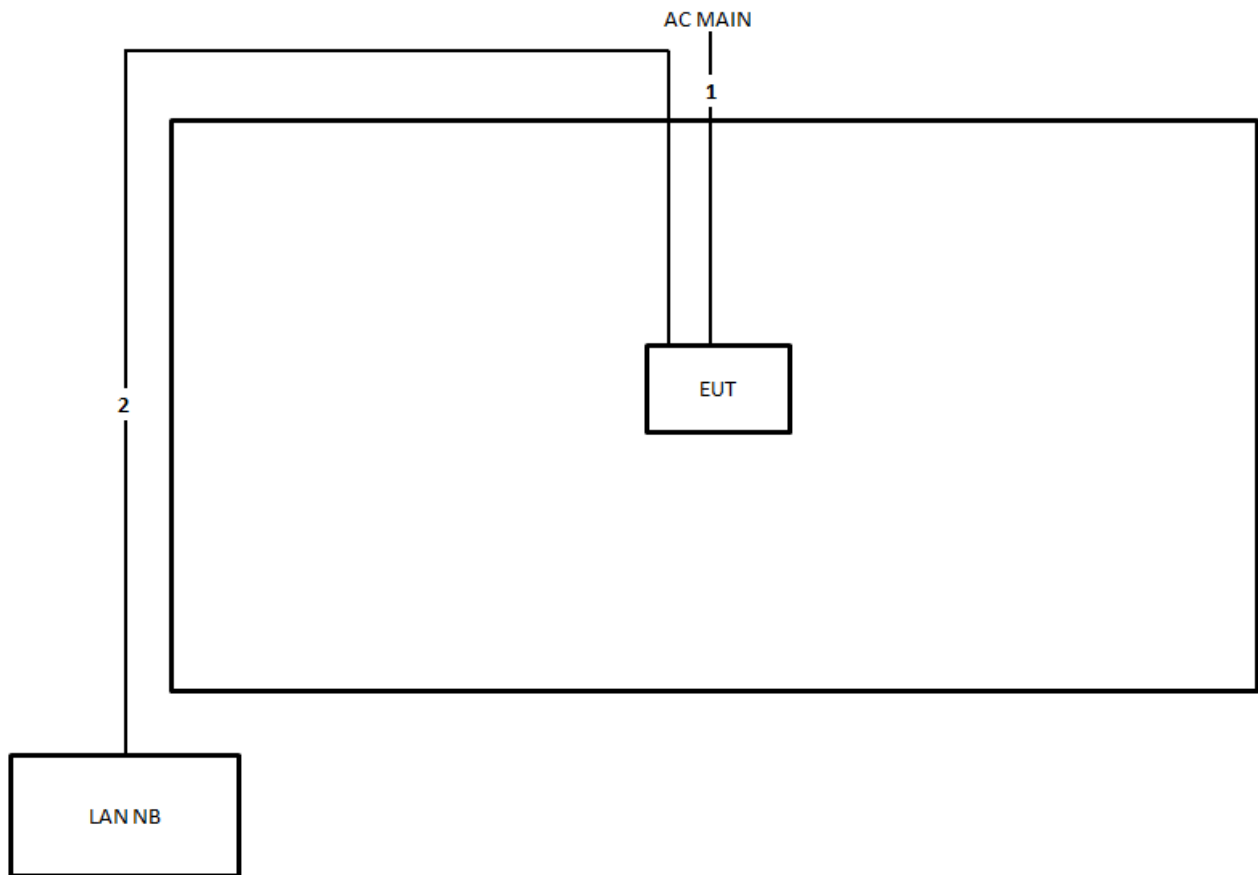


Test Setup Diagram - Radiated Test < 1GHz



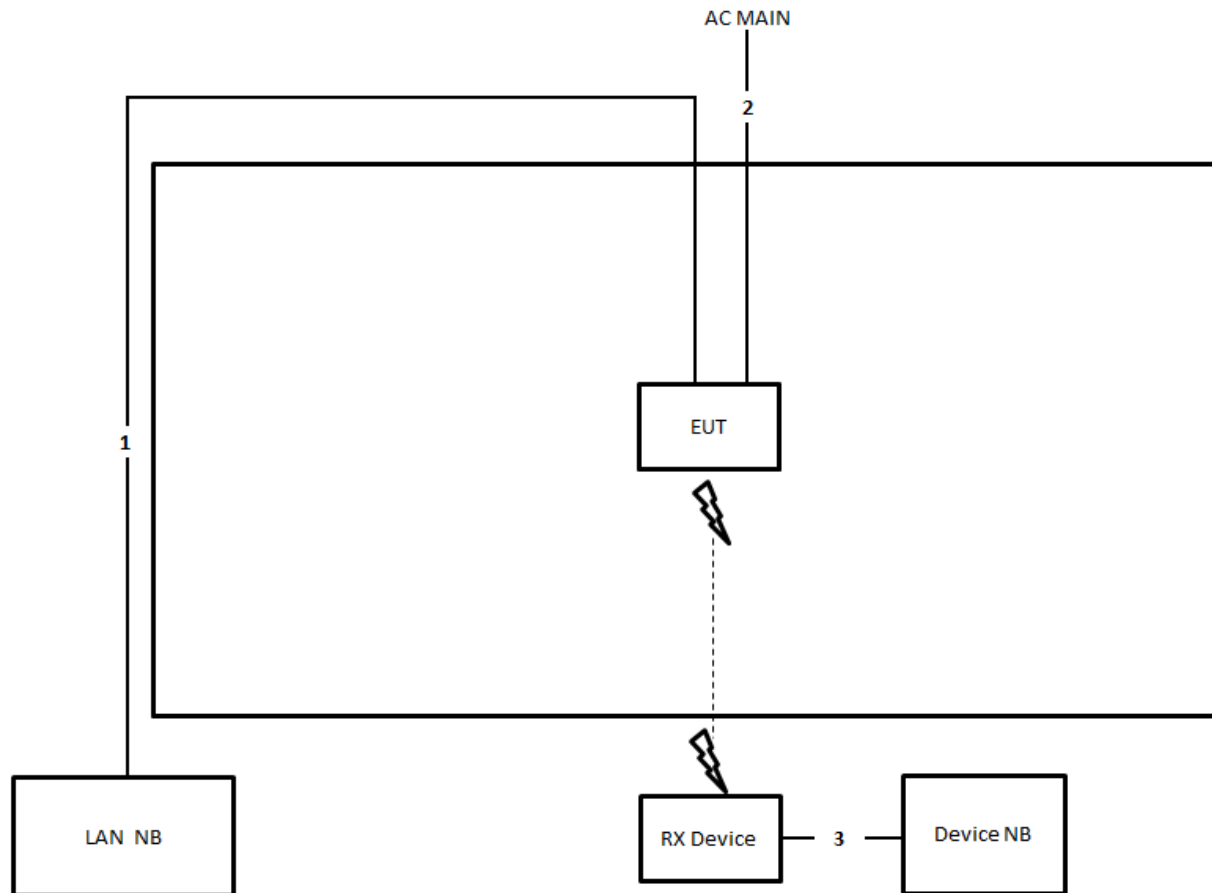
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m

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



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

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



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

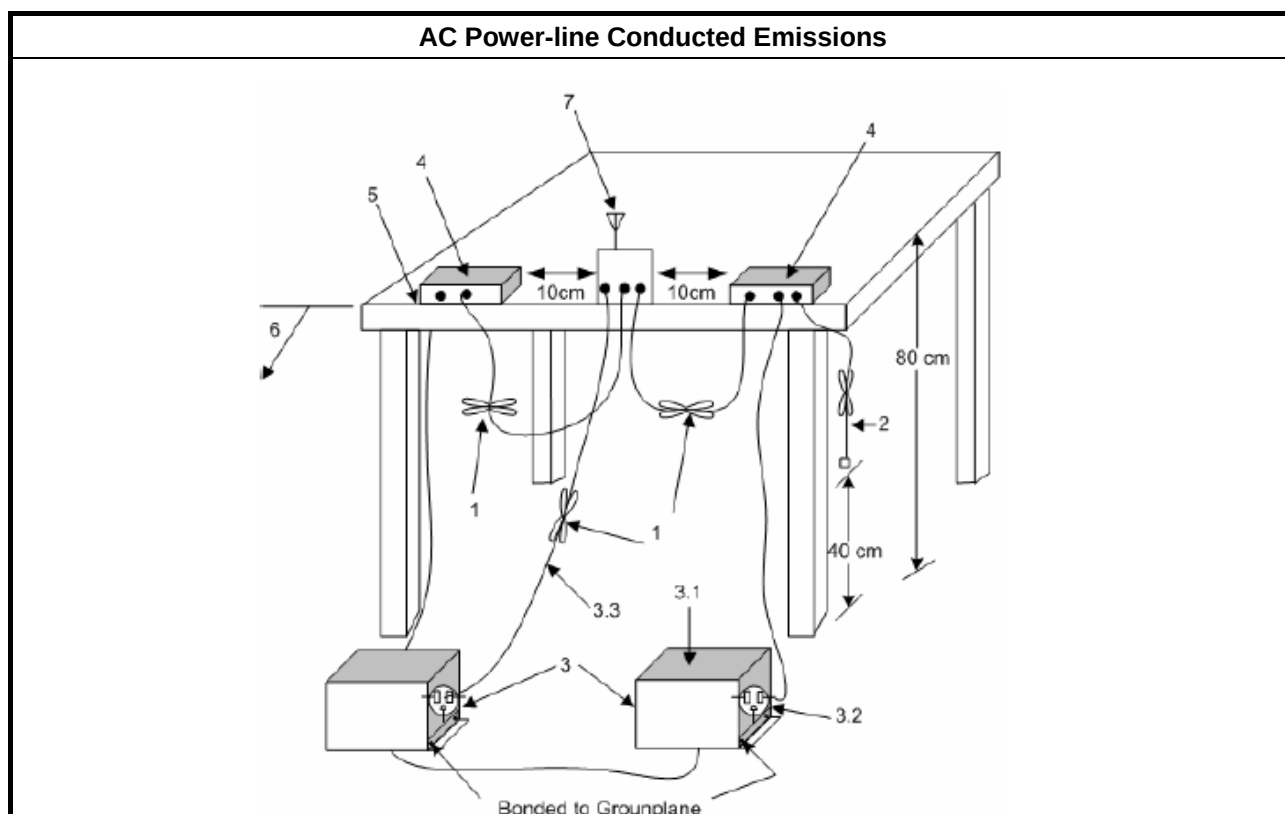
3.1.2 Measuring Instruments

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





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 $\geq$ 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 $\geq$ 500kHz.

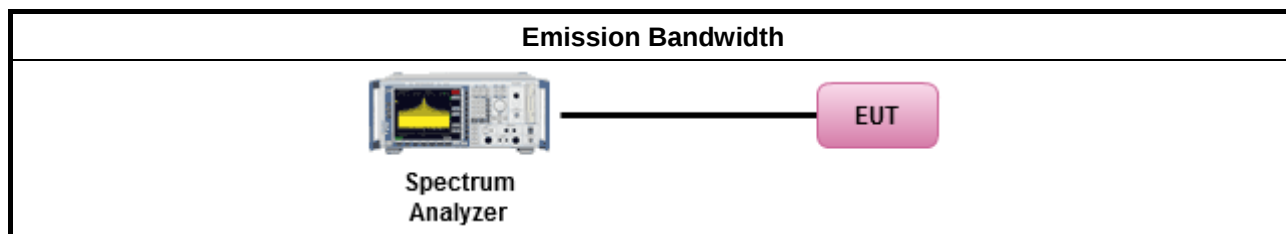
3.2.2 Measuring Instruments

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



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.	

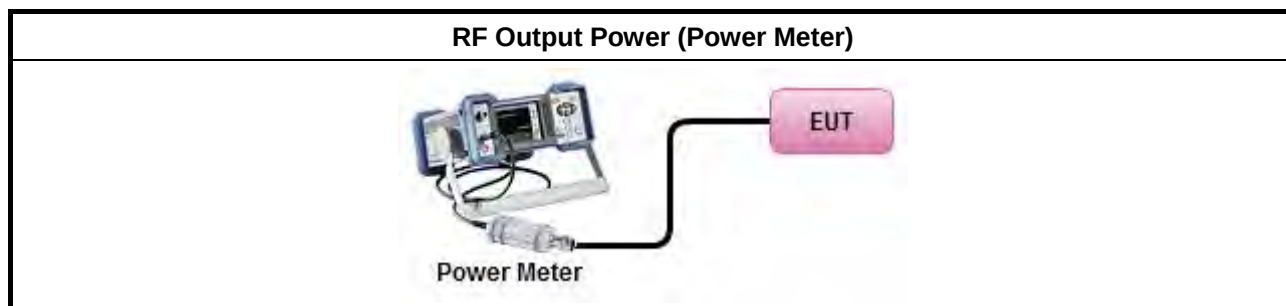
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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 $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 ($\theta - 8$) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta - 40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ 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.	

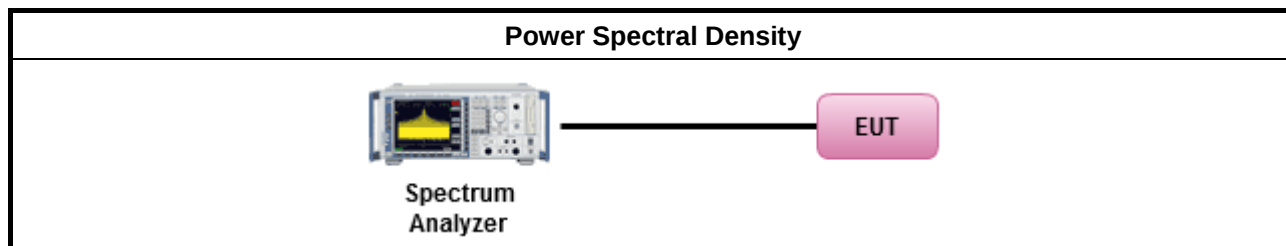
3.4.2 Measuring Instruments

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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



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).

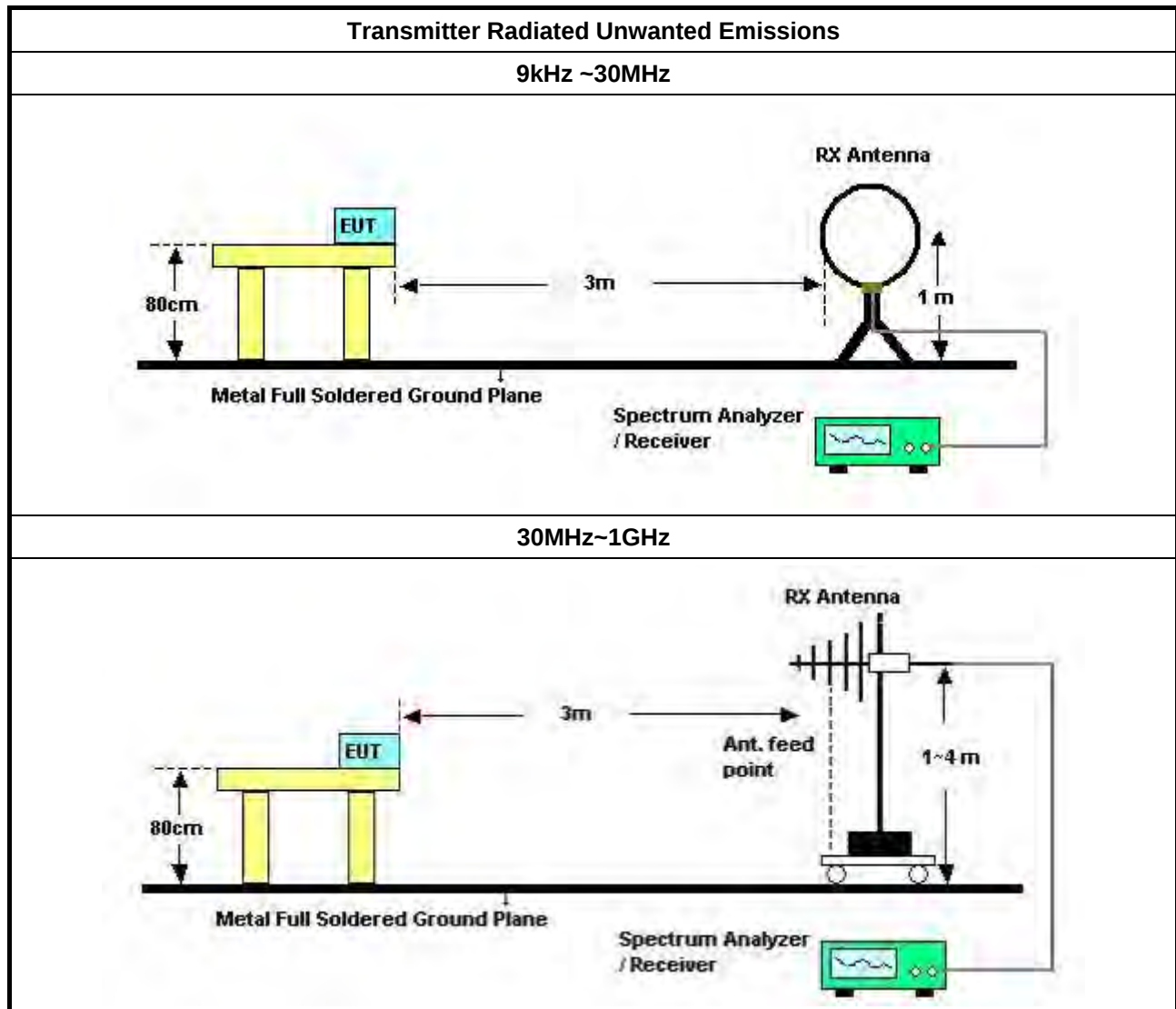
3.5.2 Measuring Instruments

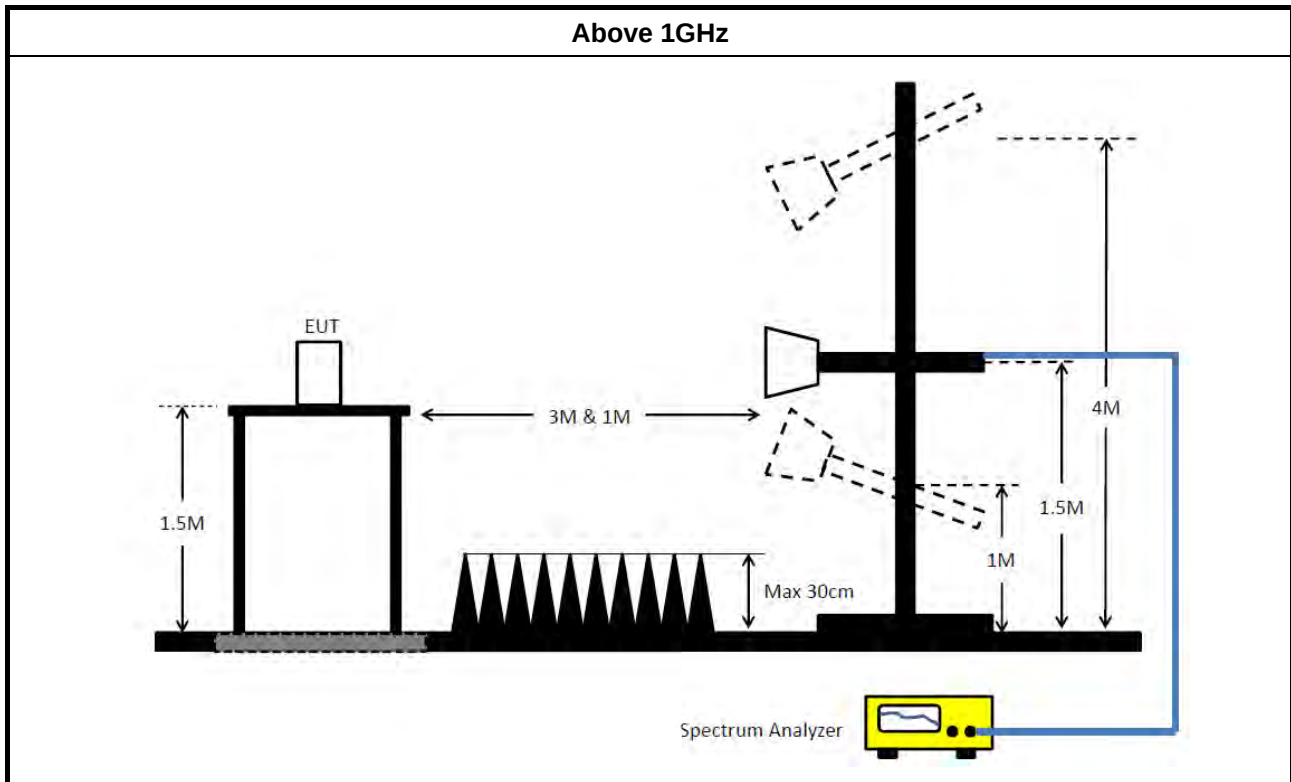
Refer a test equipment and calibration data table in this test report.

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 $\geq$ 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 $\geq$ 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





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.

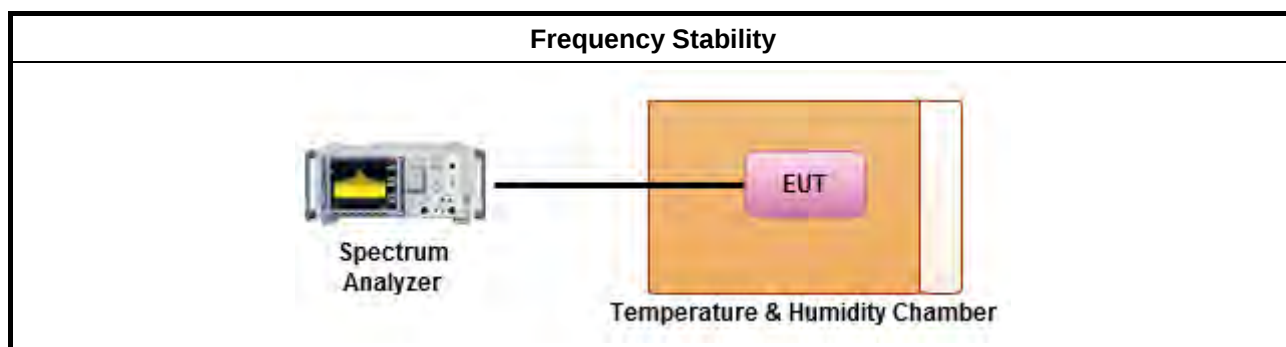
3.6.2 Measuring Instruments

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 0°C~40°C.

3.6.4 Test Setup



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	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)

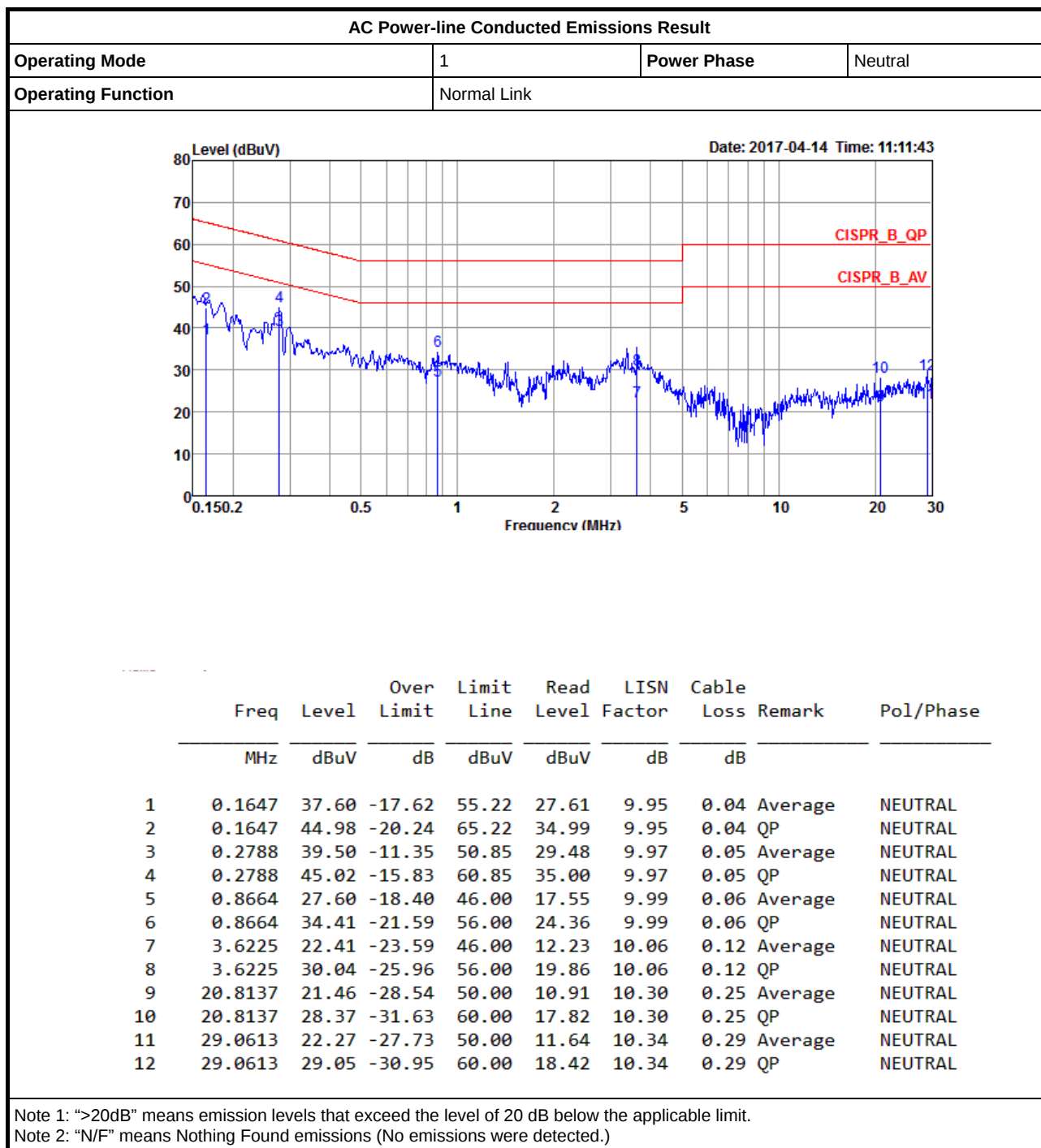


Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)

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

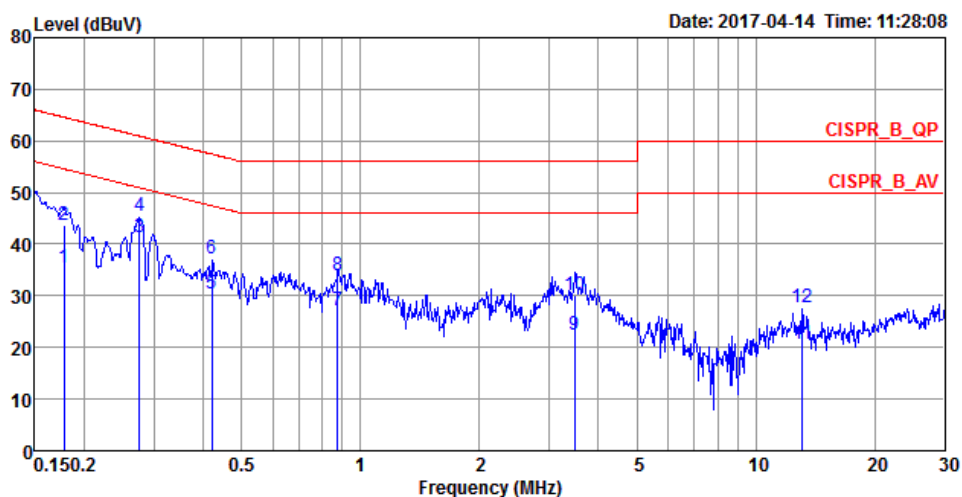
“*” Calibration Interval of instruments listed above is two years.

N.C.R means Non-Calibration required.



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Normal Link		



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark	Pol/Phase
	MHz	dBuV	Limit	Line	Level	Factor	Loss		
			dB	dBuV	dBuV	dB	dB		
1	0.1777	35.41	-19.18	54.59	25.42	9.94	0.05	Average	LINE
2	0.1777	43.75	-20.84	64.59	33.76	9.94	0.05	QP	LINE
3	0.2759	41.23	-9.71	50.94	31.27	9.91	0.05	Average	LINE
4	0.2759	45.61	-15.33	60.94	35.65	9.91	0.05	QP	LINE
5	0.4215	30.28	-17.14	47.42	20.35	9.89	0.04	Average	LINE
6	0.4215	37.14	-20.28	57.42	27.21	9.89	0.04	QP	LINE
7	0.8757	27.13	-18.87	46.00	17.11	9.96	0.06	Average	LINE
8	0.8757	34.09	-21.91	56.00	24.07	9.96	0.06	QP	LINE
9	3.4722	22.38	-23.62	46.00	12.30	9.96	0.12	Average	LINE
10	3.4722	30.03	-25.97	56.00	19.95	9.96	0.12	QP	LINE
11	13.1269	20.70	-29.30	50.00	10.37	10.12	0.21	Average	LINE
12	13.1269	27.63	-32.37	60.00	17.30	10.12	0.21	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	34.875M	16.867M	16M9D1D	19.6M	16.367M
5.725-5.85GHz	15.875M	22.089M	22M1D1D	15.025M	16.542M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	37.175M	17.841M	17M8D1D	19.975M	17.566M
5.725-5.85GHz	15.675M	25.212M	25M2D1D	15M	17.566M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.55M	36.082M	36M1D1D	39.9M	35.832M
5.725-5.85GHz	35.1M	36.032M	36M0D1D	33.8M	35.882M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.4M	75.262M	75M3D1D	80.1M	75.062M
5.725-5.85GHz	75.1M	75.262M	75M3D1D	64.4M	75.162M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	44.025M	18.041M	18M0D1D	20.45M	17.266M
5.725-5.85GHz	17.525M	17.916M	17M9D1D	14.7M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	88.25M	37.331M	37M3D1D	40.4M	35.682M
5.725-5.85GHz	36.25M	36.882M	36M9D1D	31.3M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.8M	75.962M	76M0D1D	81.3M	75.762M
5.725-5.85GHz	76.4M	75.962M	76M0D1D	70.9M	75.562M

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;

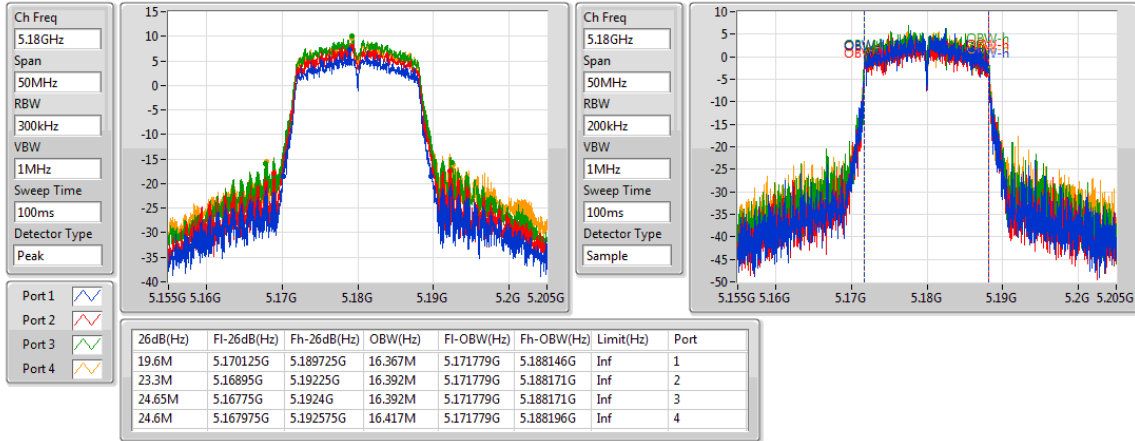
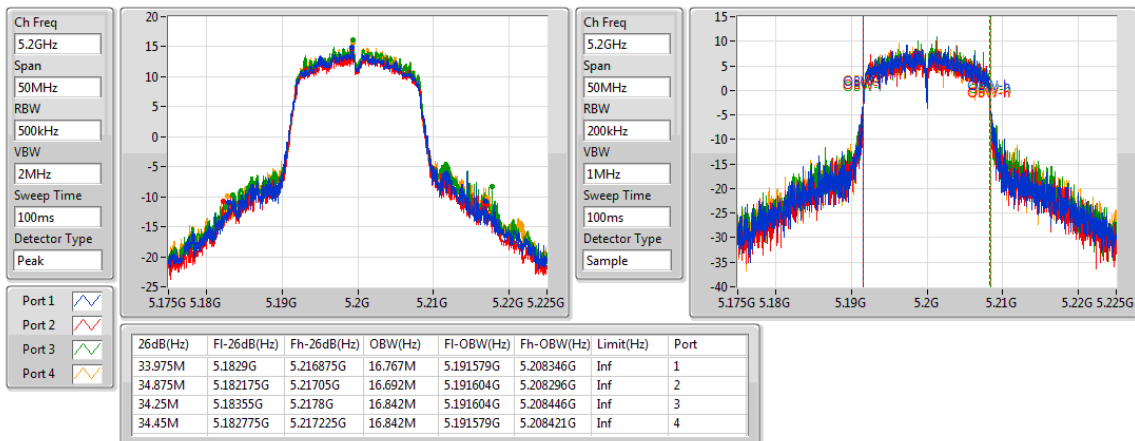
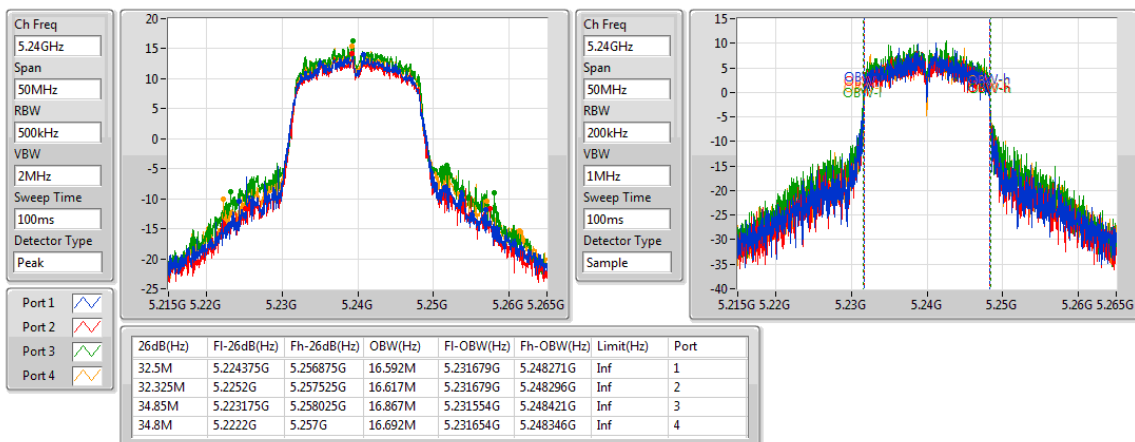
Min-OBW = Minimum 99% occupied bandwidth;

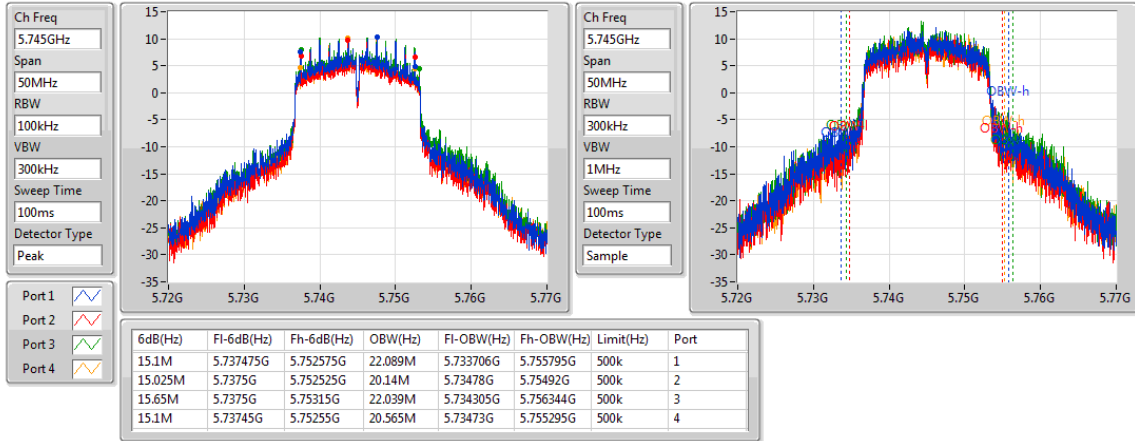
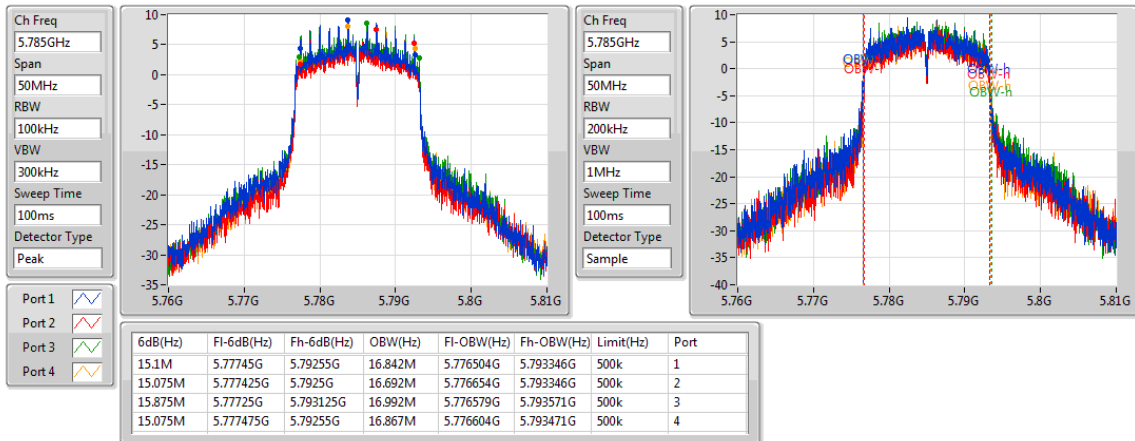
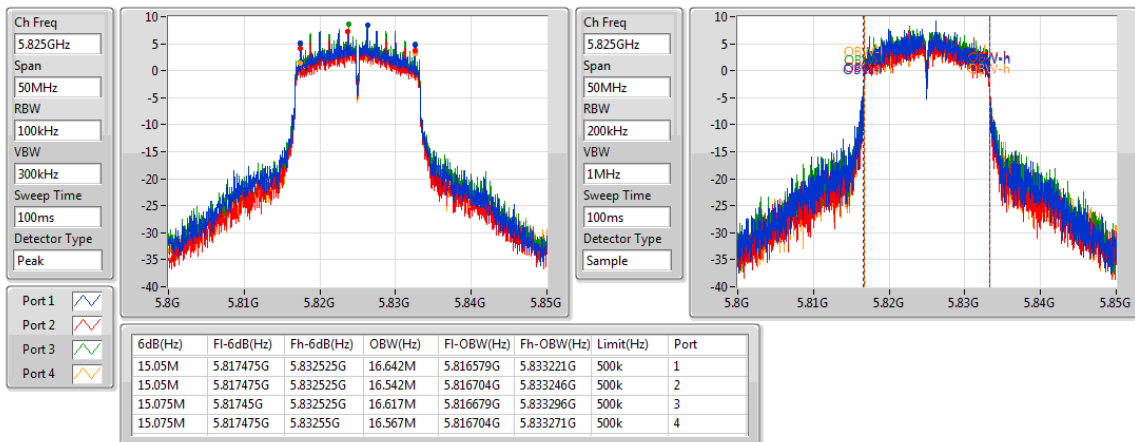
Result

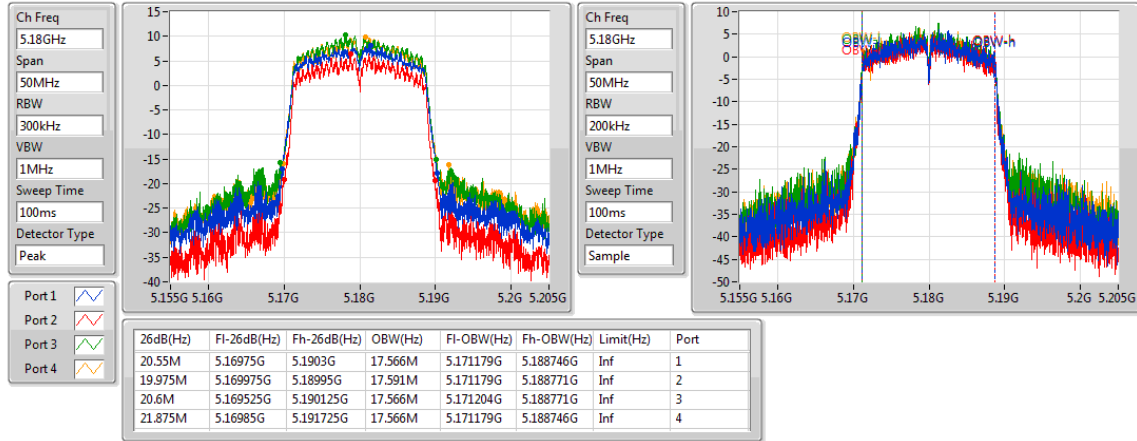
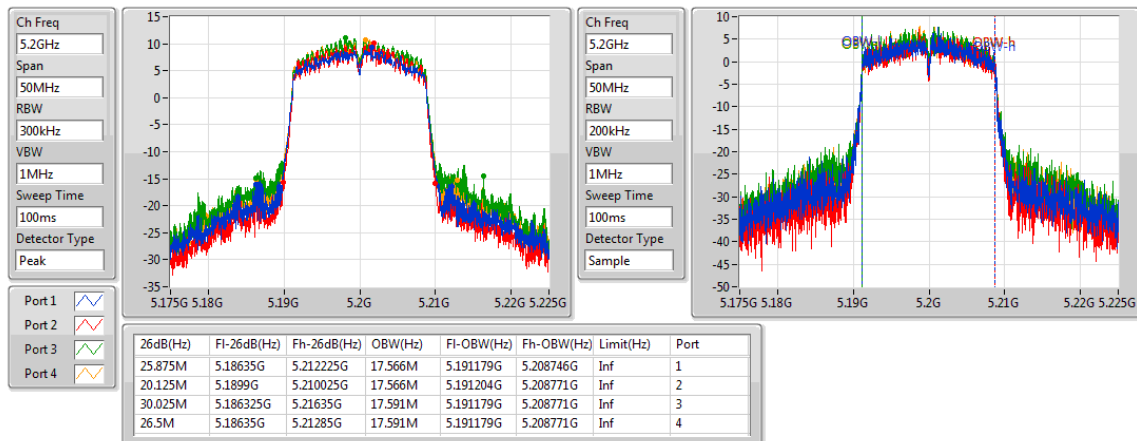
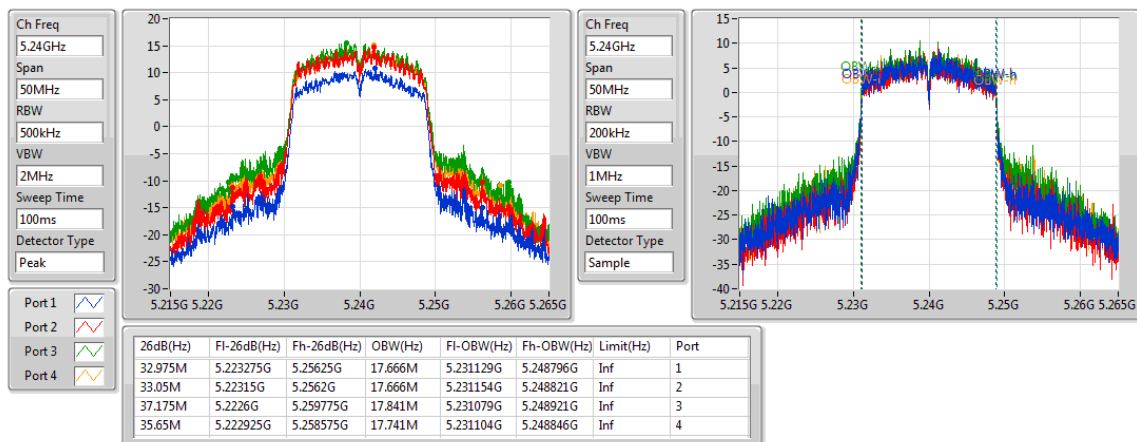
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.6M	16.367M	23.3M	16.392M	24.65M	16.392M	24.6M	16.417M
5200MHz	Pass	Inf	33.975M	16.767M	34.875M	16.692M	34.25M	16.842M	34.45M	16.842M
5240MHz	Pass	Inf	32.5M	16.592M	32.325M	16.617M	34.85M	16.867M	34.8M	16.692M
5745MHz	Pass	500k	15.1M	22.089M	15.025M	20.14M	15.65M	22.039M	15.1M	20.565M
5785MHz	Pass	500k	15.1M	16.842M	15.075M	16.692M	15.875M	16.992M	15.075M	16.867M
5825MHz	Pass	500k	15.05M	16.642M	15.05M	16.542M	15.075M	16.617M	15.075M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.55M	17.566M	19.975M	17.591M	20.6M	17.566M	21.875M	17.566M
5200MHz	Pass	Inf	25.875M	17.566M	20.125M	17.566M	30.025M	17.591M	26.5M	17.591M
5240MHz	Pass	Inf	32.975M	17.666M	33.05M	17.666M	37.175M	17.841M	35.65M	17.741M
5745MHz	Pass	500k	15.1M	22.939M	15.675M	23.588M	15.1M	25.212M	15.025M	24.138M
5785MHz	Pass	500k	15.125M	17.791M	15.675M	17.641M	15.1M	17.716M	15M	17.666M
5825MHz	Pass	500k	15M	17.591M	15.675M	17.591M	15.05M	17.616M	15.65M	17.566M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.55M	35.982M	39.9M	35.832M	40.15M	36.032M	40.25M	35.982M
5230MHz	Pass	Inf	40.5M	35.982M	40M	35.982M	40.2M	35.932M	40.3M	36.082M
5755MHz	Pass	500k	33.85M	36.032M	35.1M	35.982M	35.1M	36.032M	35.05M	35.882M
5795MHz	Pass	500k	35.1M	35.882M	35.05M	36.032M	33.8M	36.032M	35.05M	36.032M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.2M	75.262M	80.1M	75.262M	80.1M	75.062M	81.4M	75.262M
5775MHz	Pass	500k	72.5M	75.262M	75M	75.162M	64.4M	75.262M	75.1M	75.262M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.525M	17.616M	20.45M	17.591M	26.05M	17.691M	26.5M	17.266M
5200MHz	Pass	Inf	39.3M	17.791M	35.15M	17.841M	43.475M	18.016M	44.025M	18.041M
5240MHz	Pass	Inf	34.275M	17.716M	30.15M	17.691M	41.85M	17.866M	41.625M	17.841M
5745MHz	Pass	500k	15.05M	17.916M	14.925M	17.741M	15.75M	17.916M	17M	17.891M
5785MHz	Pass	500k	14.7M	17.791M	15.45M	17.716M	17.525M	17.841M	17.15M	17.791M
5825MHz	Pass	500k	16.025M	17.766M	15.1M	17.691M	17.525M	17.791M	17.5M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.25M	36.032M	40.4M	35.682M	41.55M	36.282M	41.2M	36.132M
5230MHz	Pass	Inf	83.05M	36.582M	84.3M	36.882M	88.25M	37.331M	79.4M	36.582M
5755MHz	Pass	500k	36.25M	36.882M	31.3M	36.232M	34.45M	36.582M	34.95M	36.482M
5795MHz	Pass	500k	35.7M	36.532M	34.9M	36.232M	35.05M	36.382M	32.8M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.8M	75.862M	81.7M	75.962M	81.3M	75.862M	81.8M	75.762M
5775MHz	Pass	500k	76.4M	75.962M	71.3M	75.762M	73.8M	75.562M	70.9M	75.762M

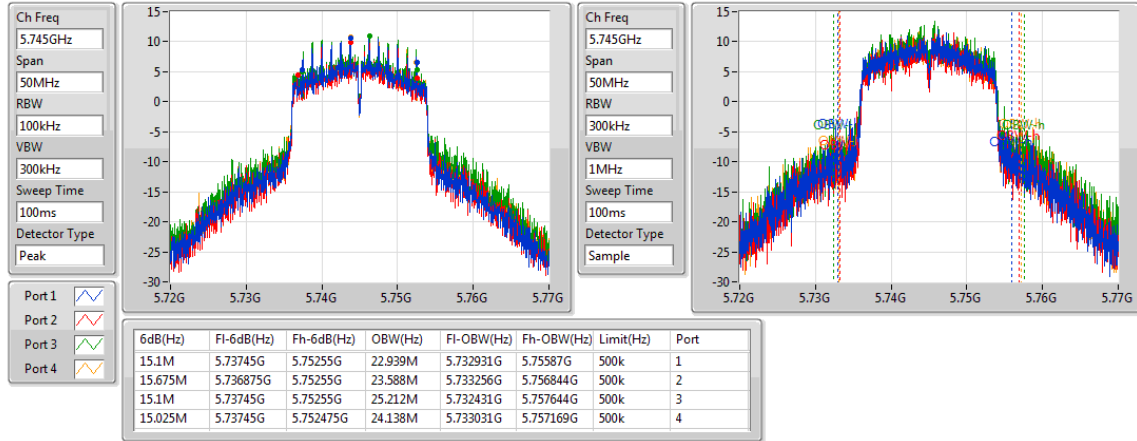
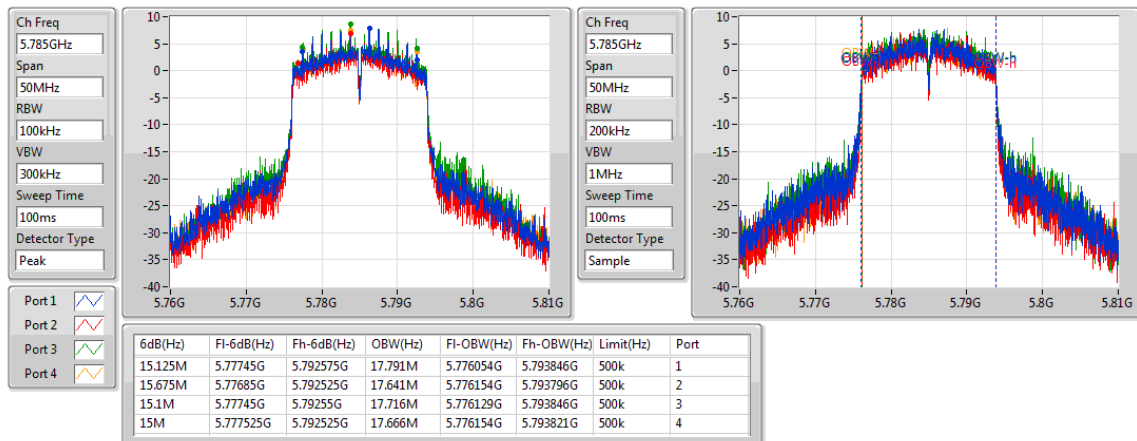
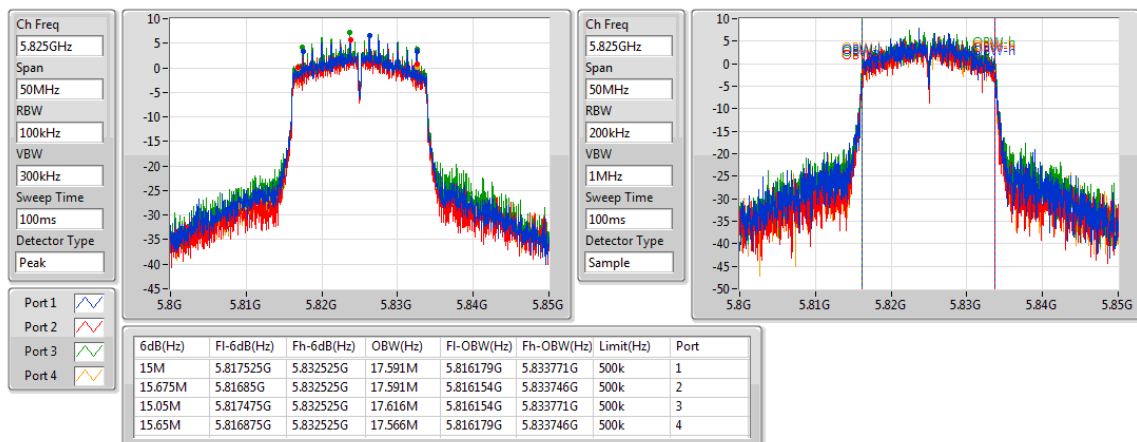
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

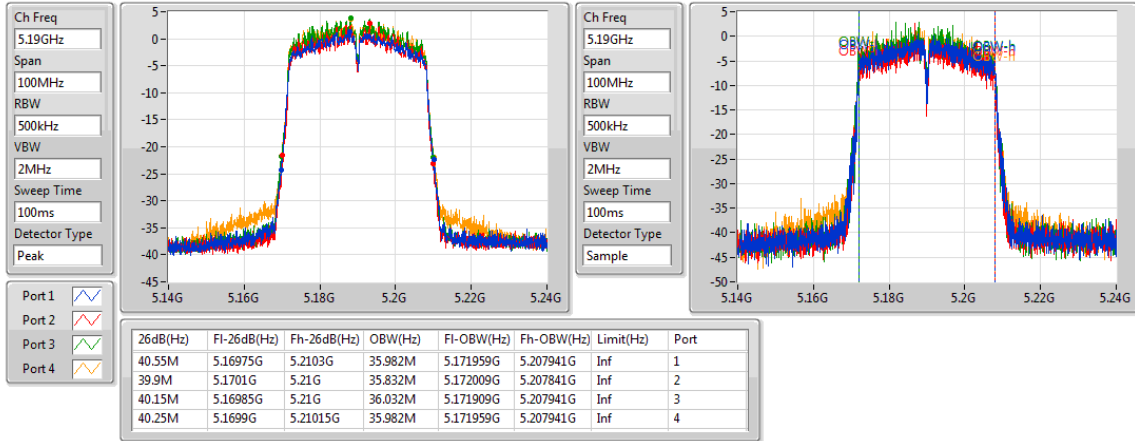
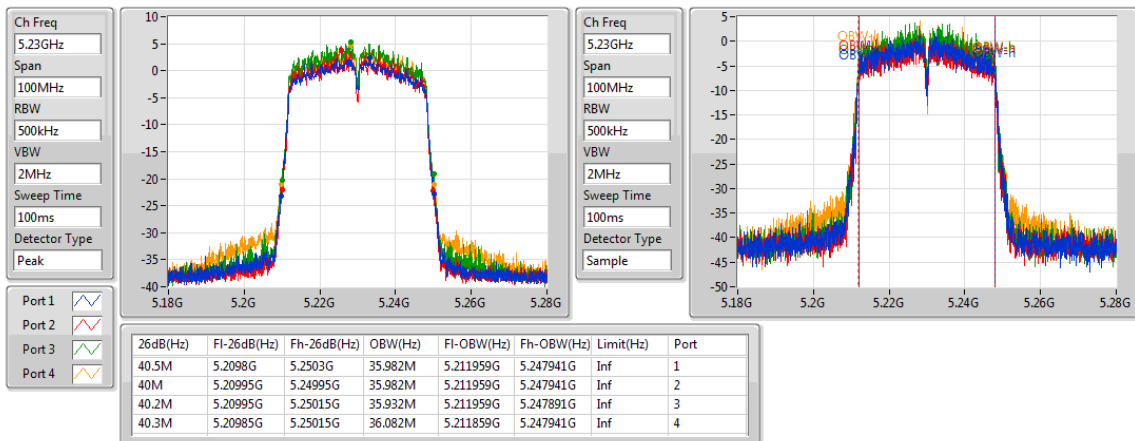
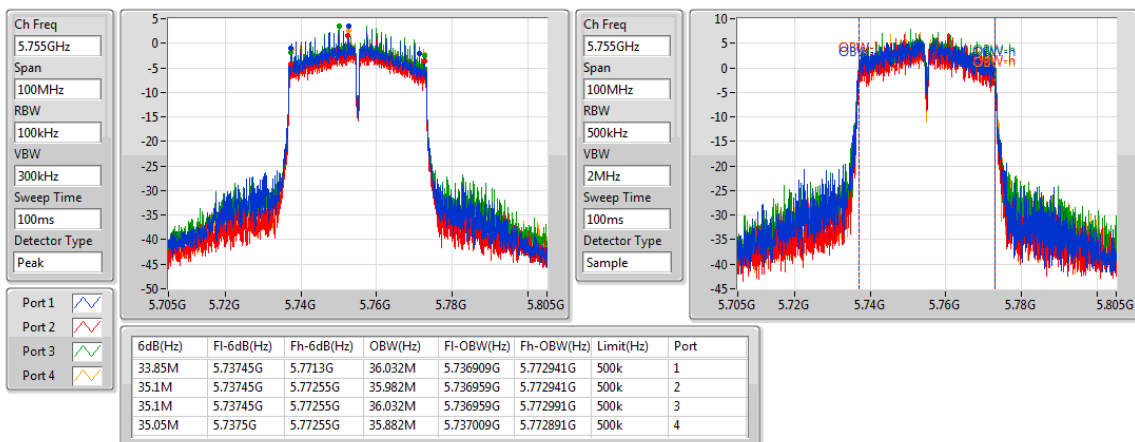
Port X-OBW = Port X 99% occupied bandwidth;

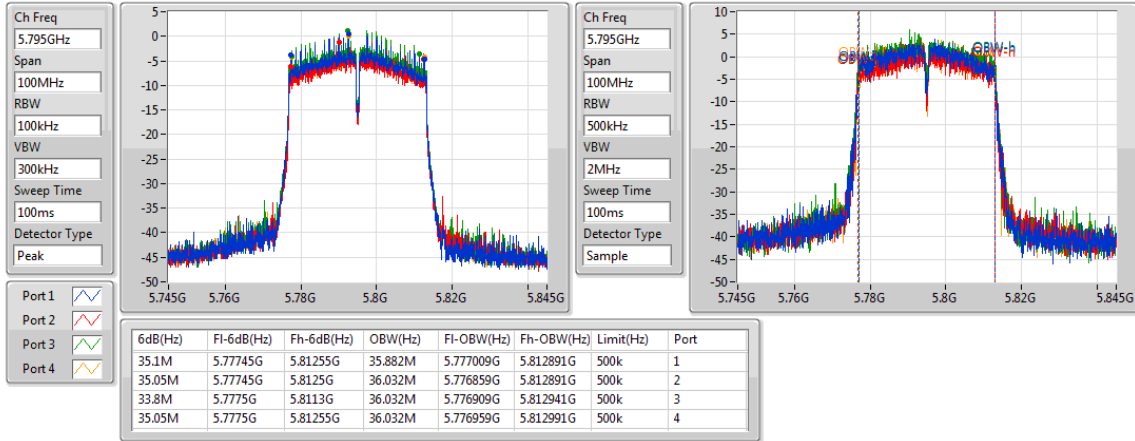
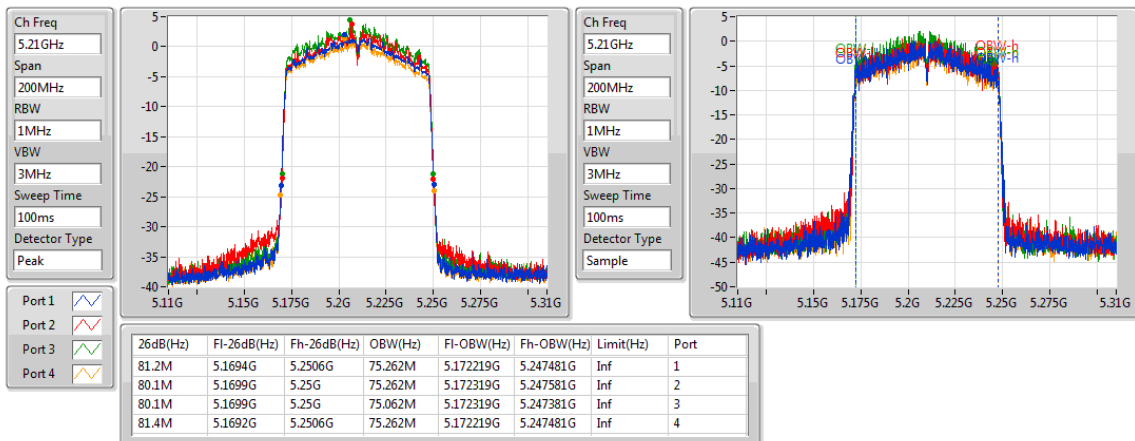
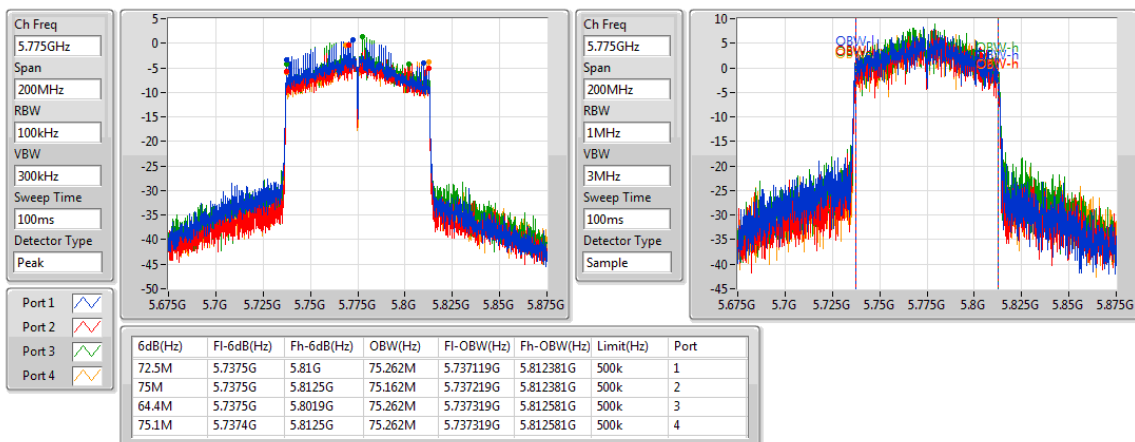
802.11a (6Mbps)_4TX
EBW
5180MHz

802.11a (6Mbps)_4TX
EBW
5200MHz

802.11a (6Mbps)_4TX
EBW
5240MHz


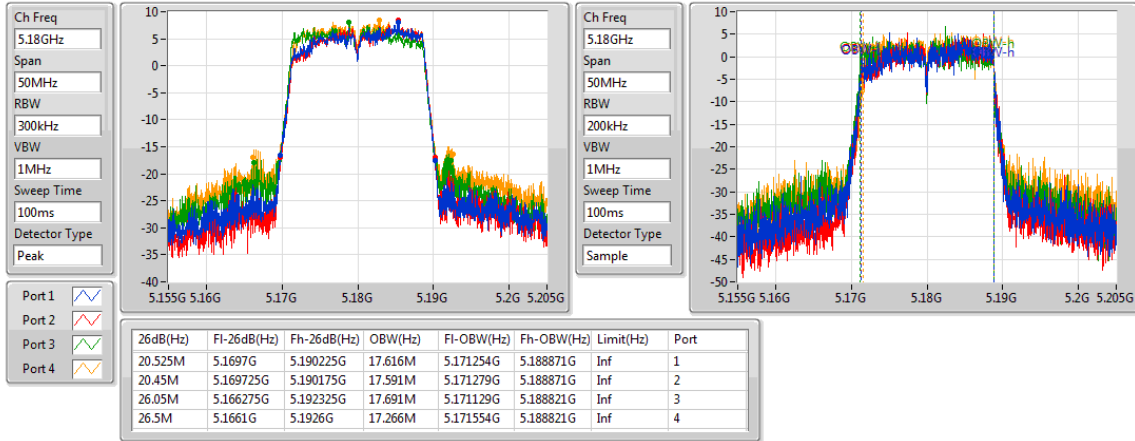
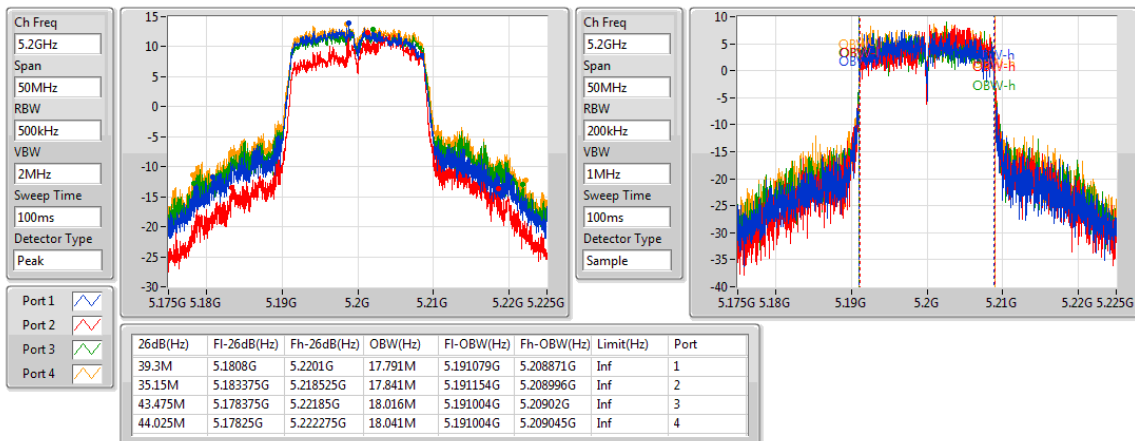
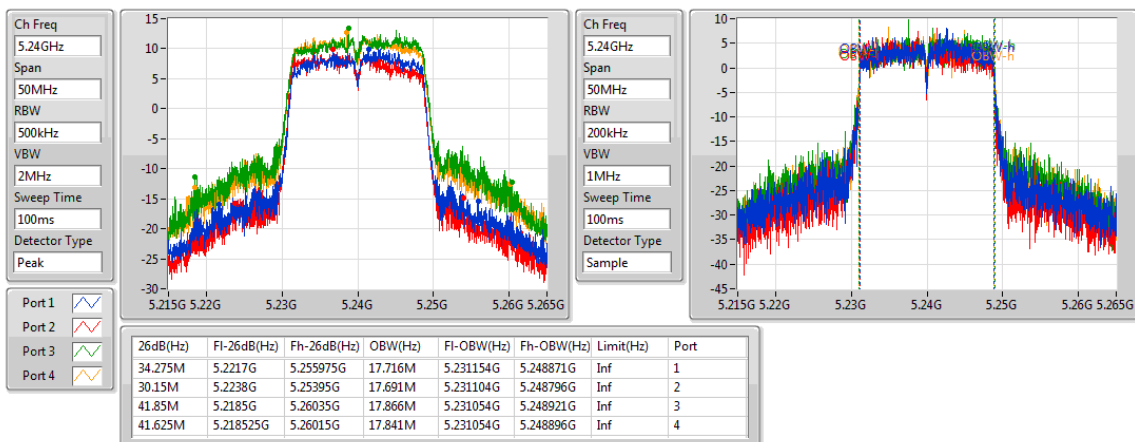
802.11a (6Mbps)_4TX
EBW
5745MHz

802.11a (6Mbps)_4TX
EBW
5785MHz

802.11a (6Mbps)_4TX
EBW
5825MHz


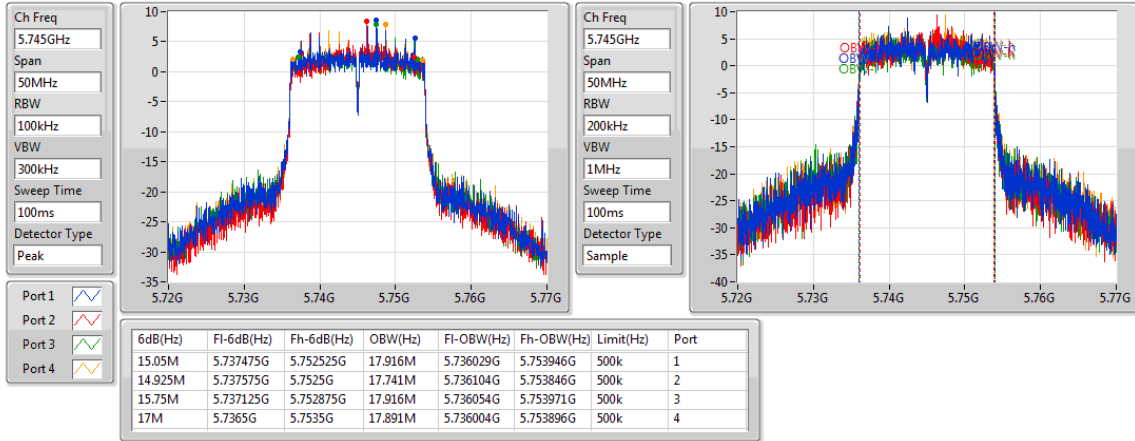
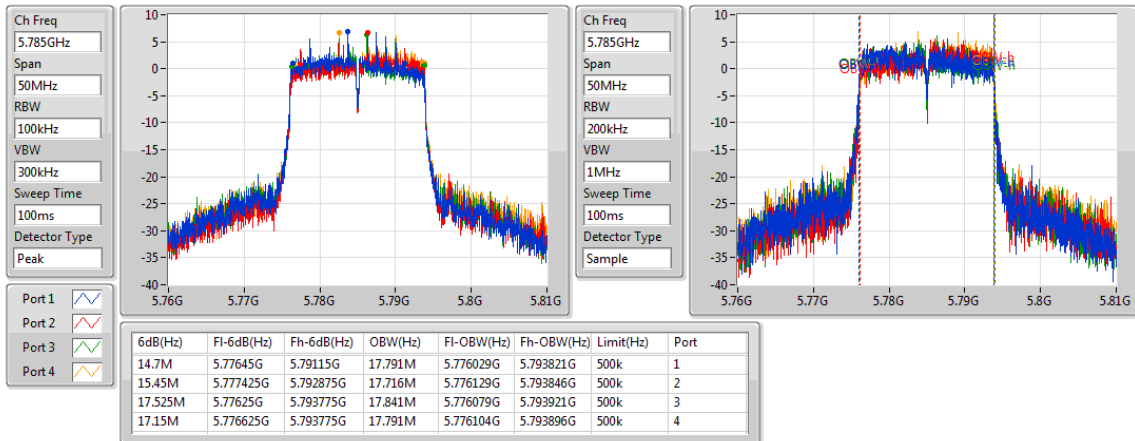
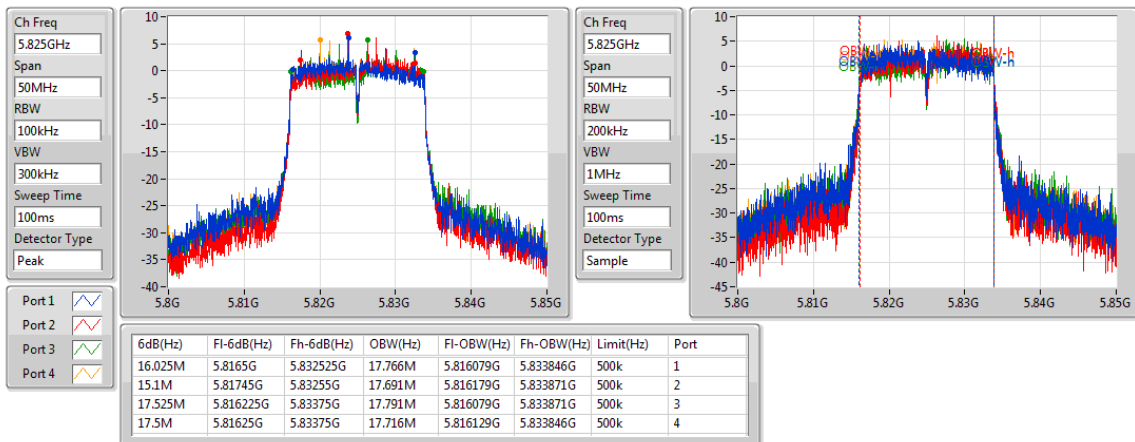
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5180MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5240MHz


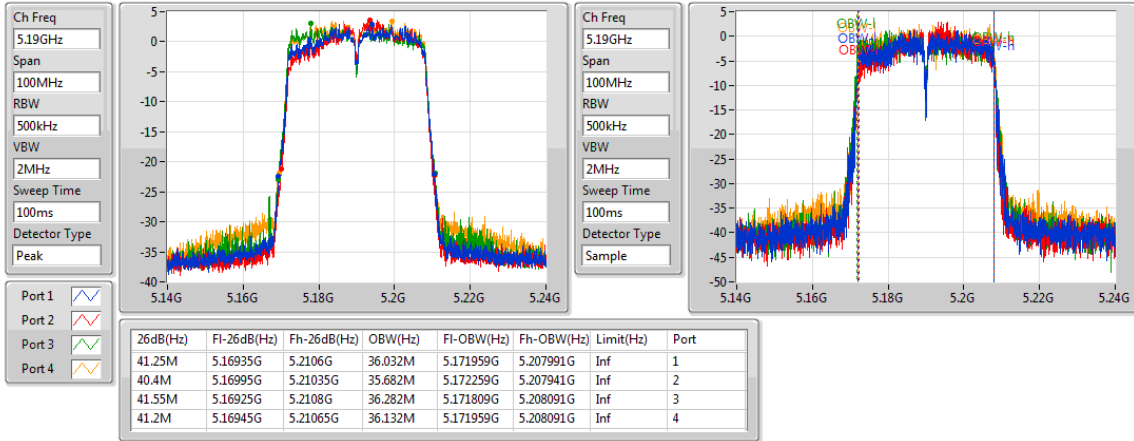
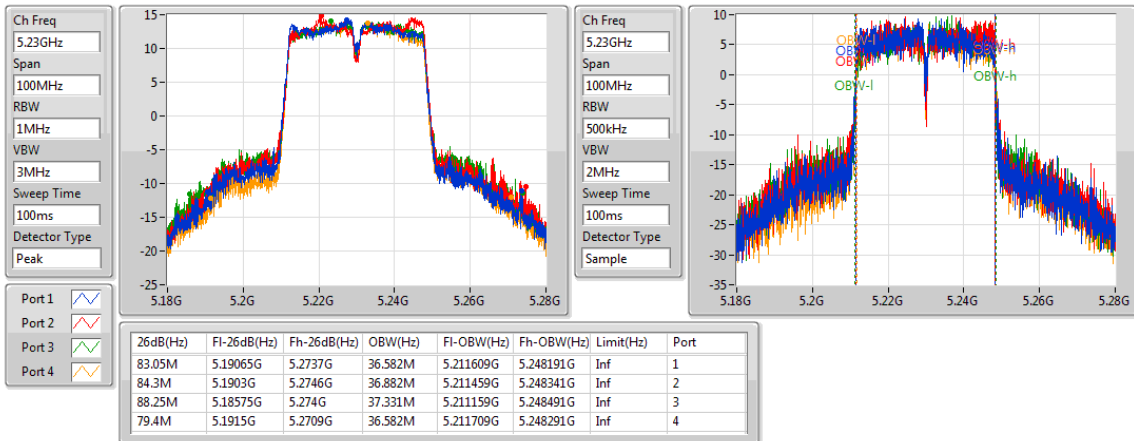
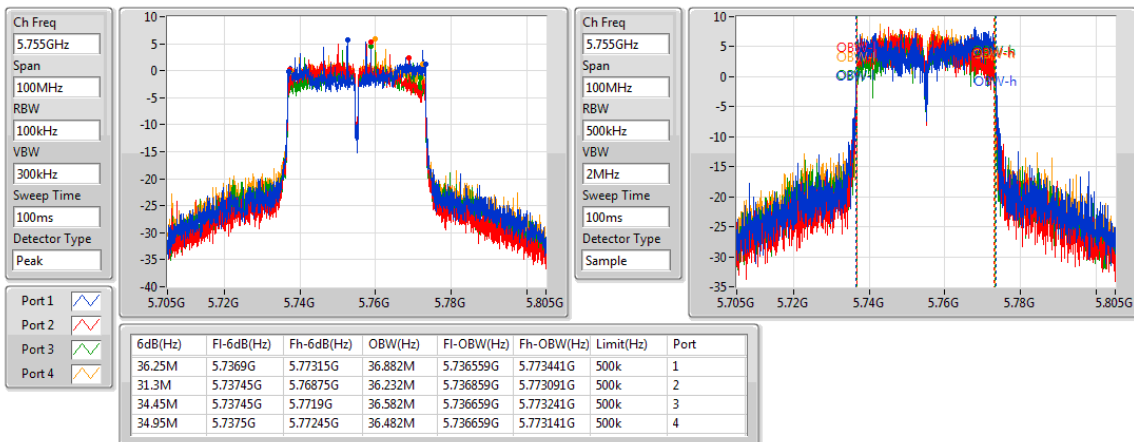
802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5745MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5785MHz

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5825MHz


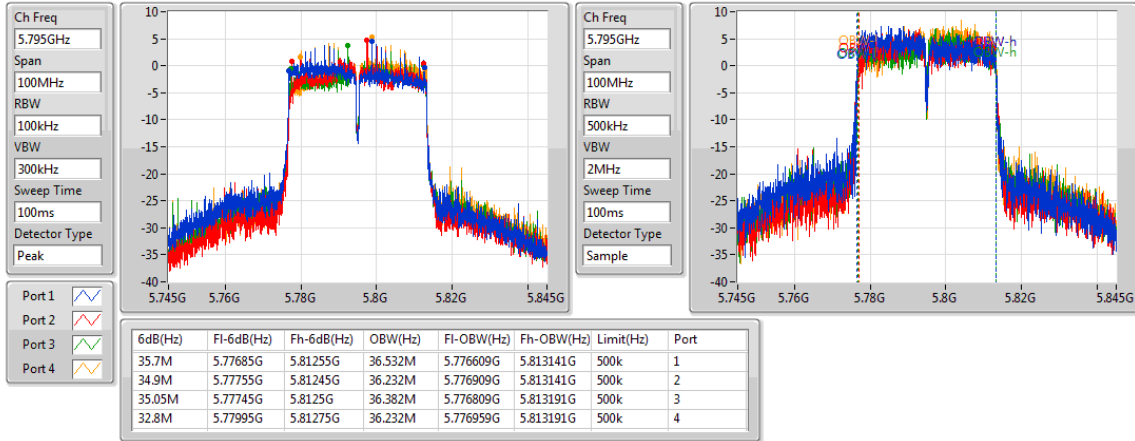
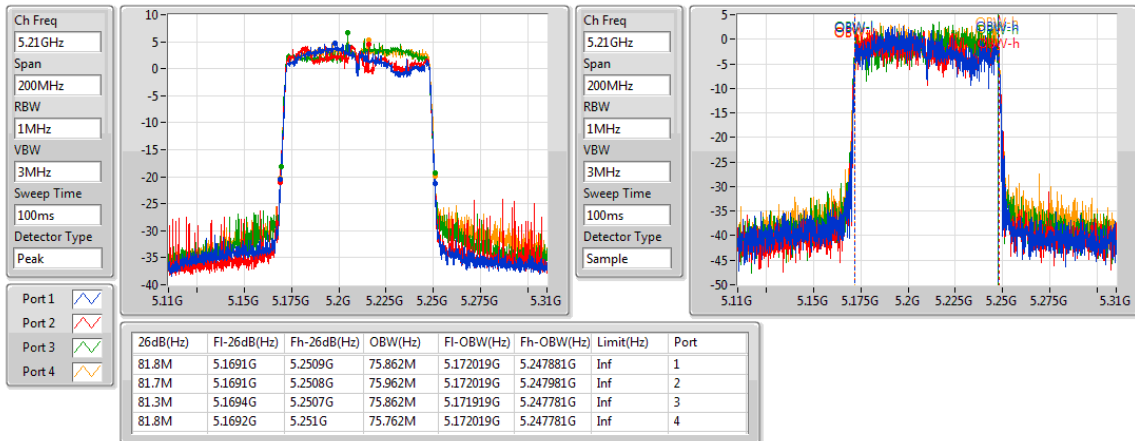
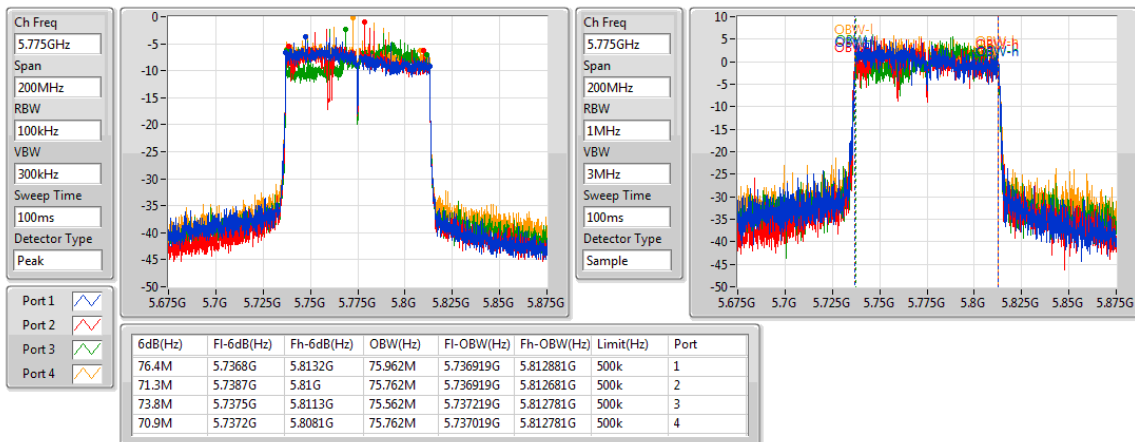
802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5230MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5755MHz


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5795MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5210MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5775MHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5180MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz


Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_4TX	-	-	-	-
5.15-5.25GHz	26.15	0.41210	29.70	0.93325
5.725-5.85GHz	26.25	0.42170	29.80	0.95499
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	25.21	0.33189	28.76	0.75162
5.725-5.85GHz	26.12	0.40926	29.67	0.92683
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	17.66	0.05834	21.21	0.13213
5.725-5.85GHz	21.67	0.14689	25.22	0.33266
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	16.78	0.04764	20.33	0.10789
5.725-5.85GHz	22.62	0.18281	26.17	0.41400
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	26.33	0.42954	35.90	3.89045
5.725-5.85GHz	24.75	0.29854	34.32	2.70396
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	26.41	0.43752	35.98	3.96278
5.725-5.85GHz	24.89	0.30832	34.46	2.79254
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	19.28	0.08472	28.85	0.76736
5.725-5.85GHz	21.14	0.13002	30.71	1.17761

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	3.55	16.52	16.95	17.24	17.22	23.01	30.00	26.56	36.00
5200MHz	Pass	3.55	20.02	19.37	20.36	19.99	25.97	30.00	29.52	36.00
5240MHz	Pass	3.55	20.58	19.49	20.50	19.84	26.15	30.00	29.70	36.00
5745MHz	Pass	3.55	20.56	19.90	20.34	20.07	26.25	30.00	29.80	36.00
5785MHz	Pass	3.55	19.14	18.59	19.03	18.61	24.87	30.00	28.42	36.00
5825MHz	Pass	3.55	18.53	17.58	19.06	17.85	24.31	30.00	27.86	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	3.55	16.36	16.48	17.25	16.99	22.81	30.00	26.36	36.00
5200MHz	Pass	3.55	17.51	17.56	18.05	17.98	23.80	30.00	27.35	36.00
5240MHz	Pass	3.55	18.99	18.77	19.64	19.32	25.21	30.00	28.76	36.00
5745MHz	Pass	3.55	20.33	19.82	19.80	20.42	26.12	30.00	29.67	36.00
5785MHz	Pass	3.55	18.34	17.29	18.86	17.79	24.13	30.00	27.68	36.00
5825MHz	Pass	3.55	17.19	16.69	17.10	16.59	22.92	30.00	26.47	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	3.55	10.44	10.07	11.01	11.03	16.68	30.00	20.23	36.00
5230MHz	Pass	3.55	11.20	11.49	12.05	11.79	17.66	30.00	21.21	36.00
5755MHz	Pass	3.55	16.05	15.10	16.07	15.30	21.67	30.00	25.22	36.00
5795MHz	Pass	3.55	13.68	12.92	13.91	13.06	19.43	30.00	22.98	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	3.55	10.31	10.15	11.32	11.14	16.78	30.00	20.33	36.00
5775MHz	Pass	3.55	16.25	16.92	16.86	16.31	22.62	30.00	26.17	36.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.57	16.59	16.66	17.05	17.88	23.10	26.43	32.67	36.00
5200MHz	Pass	9.57	20.00	20.31	19.96	20.89	26.33	26.43	35.90	36.00
5240MHz	Pass	9.57	18.97	18.73	19.25	19.29	25.09	26.43	34.66	36.00
5745MHz	Pass	9.57	18.79	18.81	18.18	19.10	24.75	26.43	34.32	36.00
5785MHz	Pass	9.57	17.48	17.29	17.19	17.93	23.50	26.43	33.07	36.00
5825MHz	Pass	9.57	17.14	17.02	16.62	17.41	23.08	26.43	32.65	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.57	12.67	12.63	13.07	13.82	19.10	26.43	28.67	36.00
5230MHz	Pass	9.57	20.46	20.58	20.34	20.15	26.41	26.43	35.98	36.00
5755MHz	Pass	9.57	18.79	18.87	18.16	19.53	24.89	26.43	34.46	36.00
5795MHz	Pass	9.57	18.20	17.76	17.72	18.67	24.13	26.43	33.70	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.57	12.68	12.84	13.37	14.01	19.28	26.43	28.85	36.00
5775MHz	Pass	9.57	15.17	14.51	14.68	15.98	21.14	26.43	30.71	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	13.32	22.89
5.725-5.85GHz	12.31	21.88
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	13.38	22.95
5.725-5.85GHz	13.13	22.70
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	3.23	12.80
5.725-5.85GHz	5.83	15.40
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	-3.60	5.97
5.725-5.85GHz	0.70	10.27
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	12.95	22.53
5.725-5.85GHz	10.08	19.65
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	9.96	19.53
5.725-5.85GHz	7.05	16.62
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	-0.23	9.34
5.725-5.85GHz	0.11	9.68

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	9.57	4.23	3.81	5.05	4.55	10.28	13.43
5200MHz	Pass	9.57	7.47	6.72	7.84	7.39	13.32	13.43
5240MHz	Pass	9.57	7.07	6.43	8.05	7.17	13.15	13.43
5745MHz	Pass	9.57	6.76	5.71	6.93	6.24	12.31	26.43
5785MHz	Pass	9.57	5.48	4.55	5.78	4.80	10.99	26.43
5825MHz	Pass	9.57	5.03	3.84	5.56	3.90	10.49	26.43
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.57	4.63	4.54	5.70	5.43	10.94	13.43
5200MHz	Pass	9.57	5.56	5.17	6.63	6.34	11.90	13.43
5240MHz	Pass	9.57	7.24	6.71	8.17	7.67	13.38	13.43
5745MHz	Pass	9.57	7.10	6.68	7.89	7.43	13.13	26.43
5785MHz	Pass	9.57	5.05	4.12	5.86	4.59	10.85	26.43
5825MHz	Pass	9.57	3.95	3.29	4.41	3.68	9.64	26.43
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.57	-6.03	-6.64	-4.65	-5.11	0.29	13.43
5230MHz	Pass	9.57	-3.15	-4.06	-1.41	-2.37	3.23	13.43
5755MHz	Pass	9.57	0.46	-0.73	0.92	-0.33	5.83	26.43
5795MHz	Pass	9.57	-1.71	-3.25	-1.44	-2.68	3.51	26.43
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.57	-9.95	-10.84	-8.18	-9.11	-3.60	13.43
5775MHz	Pass	9.57	-4.97	-6.09	-4.37	-5.17	0.70	26.43
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.57	3.77	3.99	3.35	4.15	9.62	13.43
5200MHz	Pass	9.57	6.88	8.23	6.37	7.29	12.95	13.43
5240MHz	Pass	9.57	6.09	5.68	6.34	5.95	11.68	13.43
5745MHz	Pass	9.57	3.89	4.91	3.85	4.34	10.08	26.43
5785MHz	Pass	9.57	3.04	3.24	2.84	3.82	8.77	26.43
5825MHz	Pass	9.57	2.53	2.79	2.55	2.52	8.34	26.43
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.57	-3.40	-2.22	-3.60	-2.58	2.91	13.43
5230MHz	Pass	9.57	4.75	5.08	4.23	4.15	9.96	13.43
5755MHz	Pass	9.57	2.08	1.95	0.84	1.84	7.05	26.43
5795MHz	Pass	9.57	0.67	1.65	0.62	1.57	6.57	26.43
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.57	-5.74	-5.47	-5.86	-5.92	-0.23	13.43
5775MHz	Pass	9.57	-5.45	-5.22	-4.47	-4.93	0.11	26.43

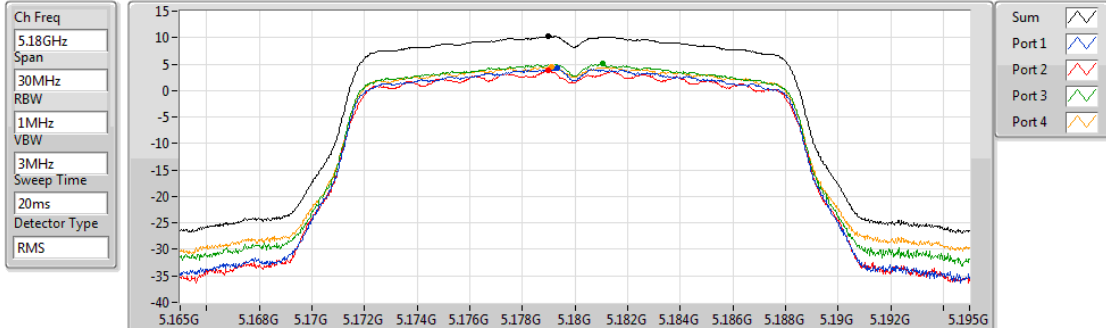
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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

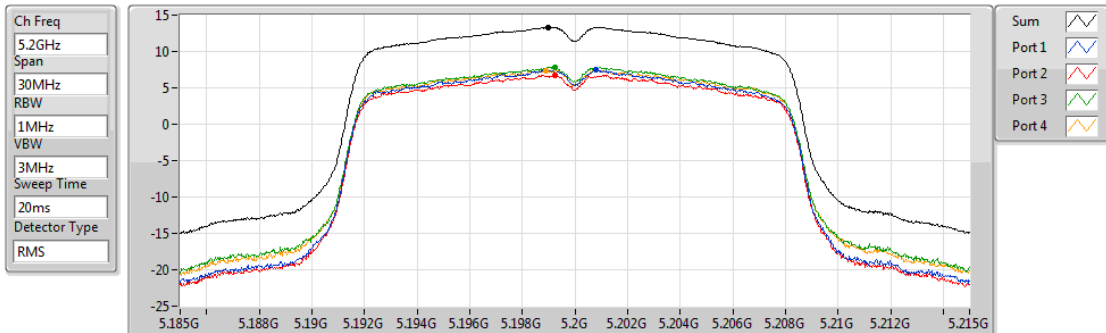


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.28	10.28	4.23	3.81	5.05	4.55

802.11a_(6Mbps)_4TX

PSD

5200MHz

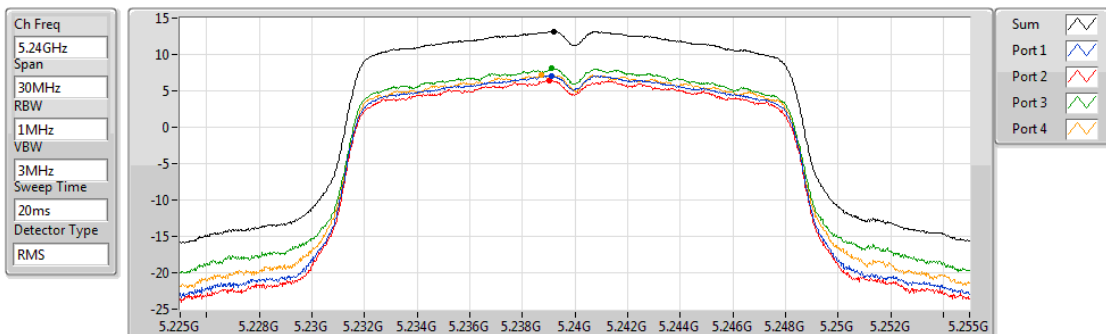


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.32	13.32	7.47	6.72	7.84	7.39

802.11a_(6Mbps)_4TX

PSD

5240MHz

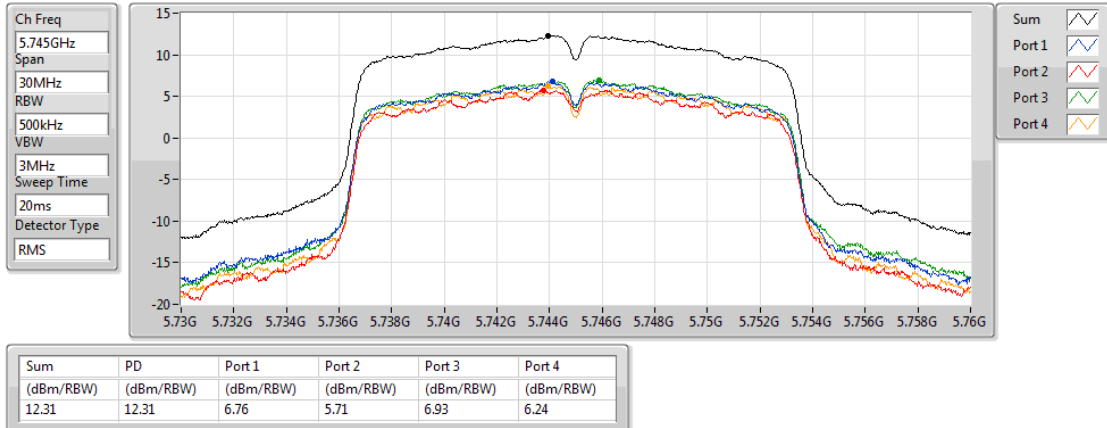


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.15	13.15	7.07	6.43	8.05	7.17

802.11a_(6Mbps)_4TX

PSD

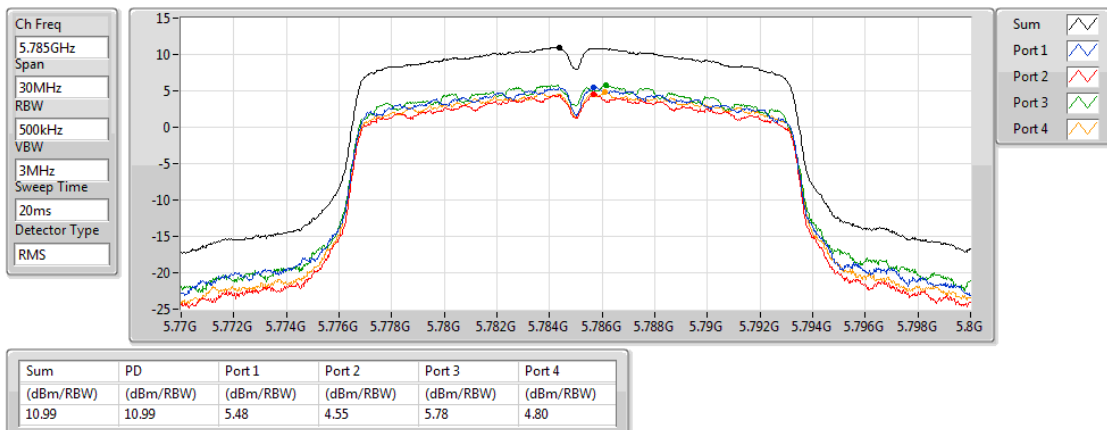
5745MHz



802.11a_(6Mbps)_4TX

PSD

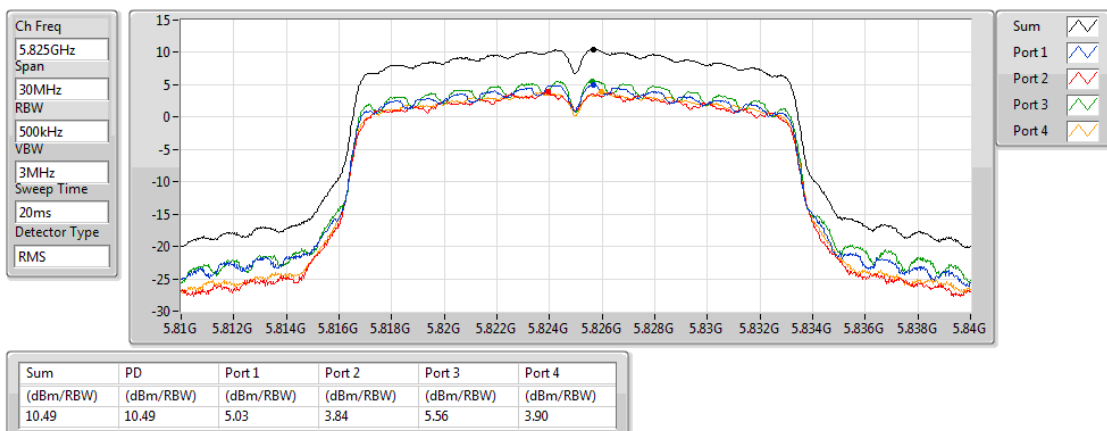
5785MHz



802.11a_(6Mbps)_4TX

PSD

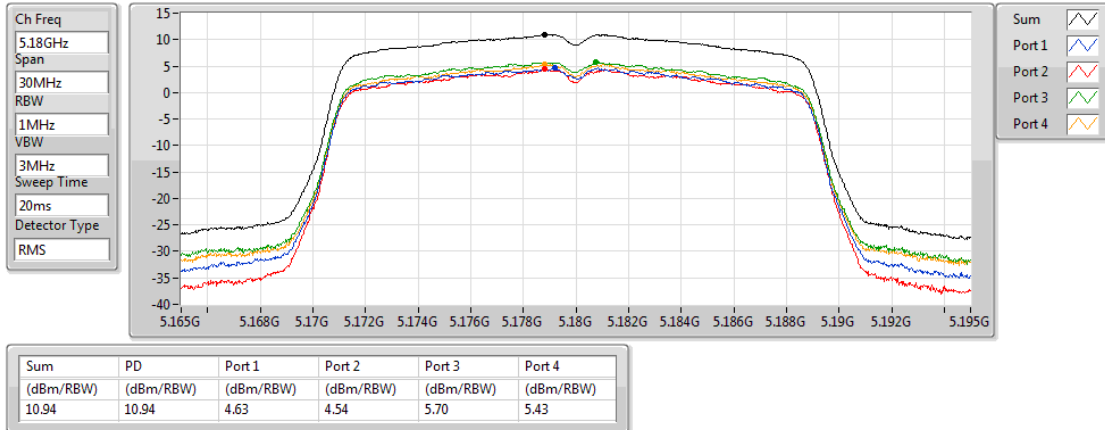
5825MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

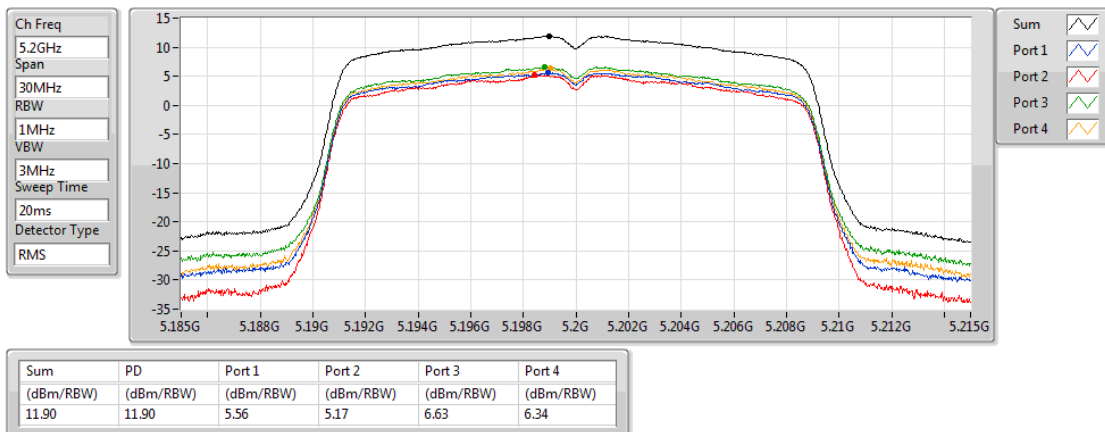
5180MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

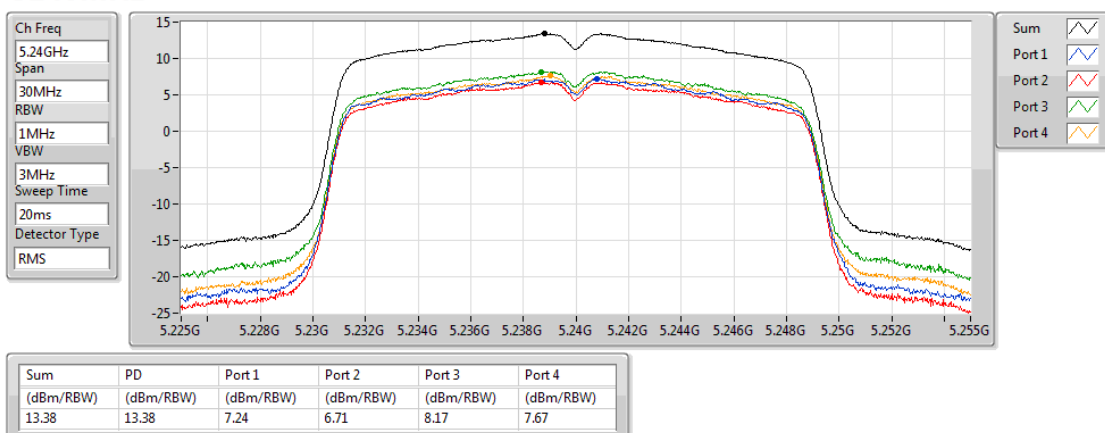
5200MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

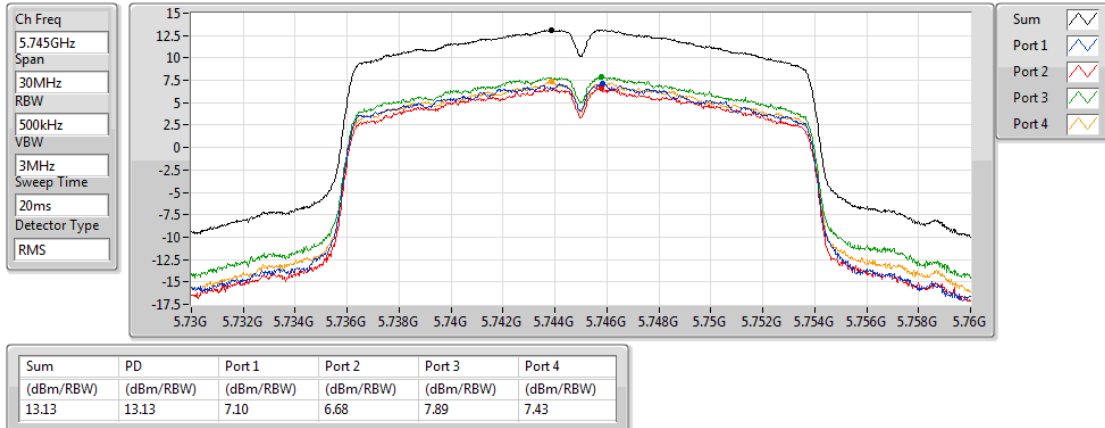
5240MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

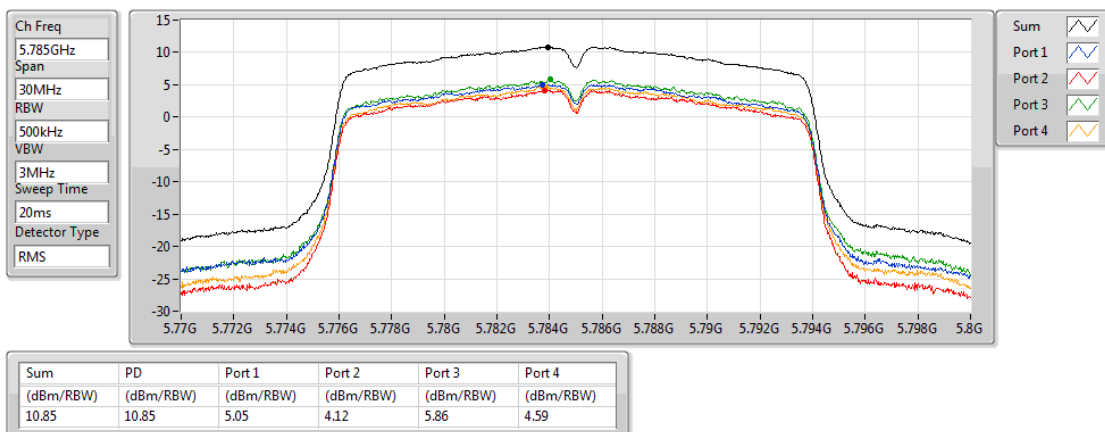
5745MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

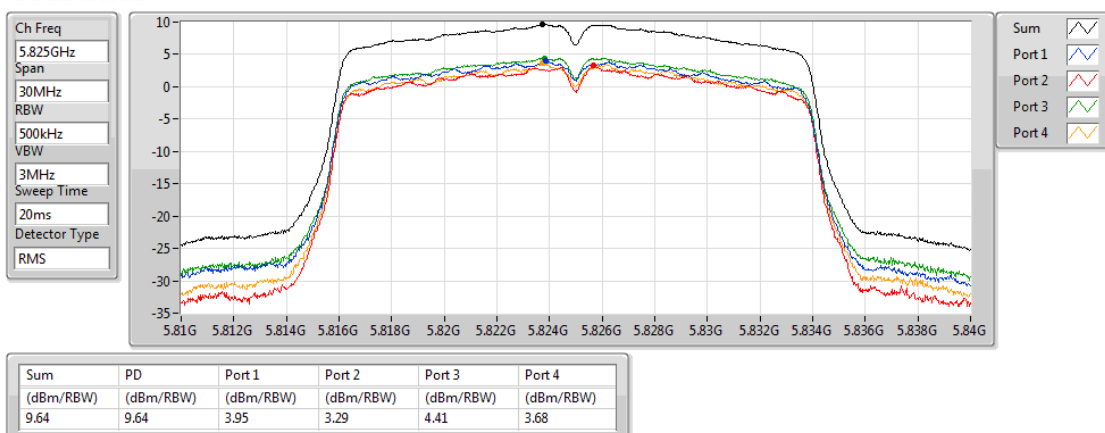
5785MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

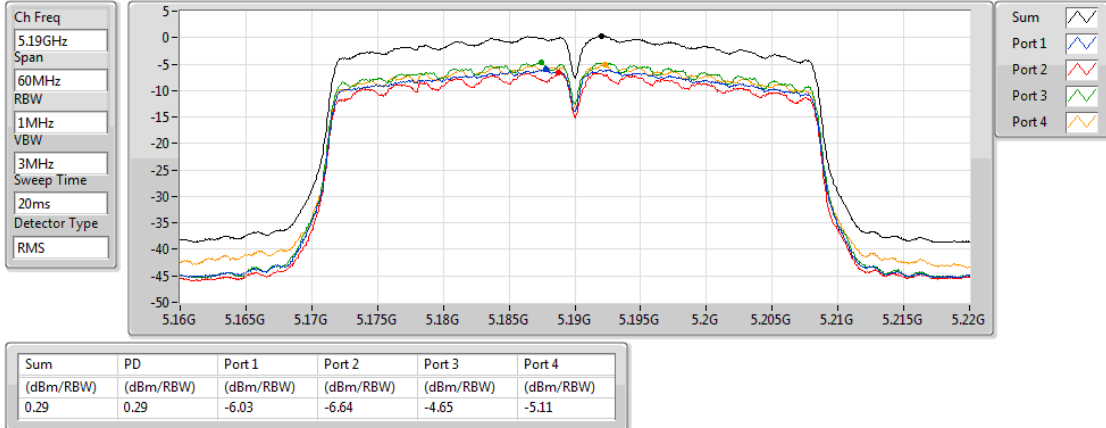
5825MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

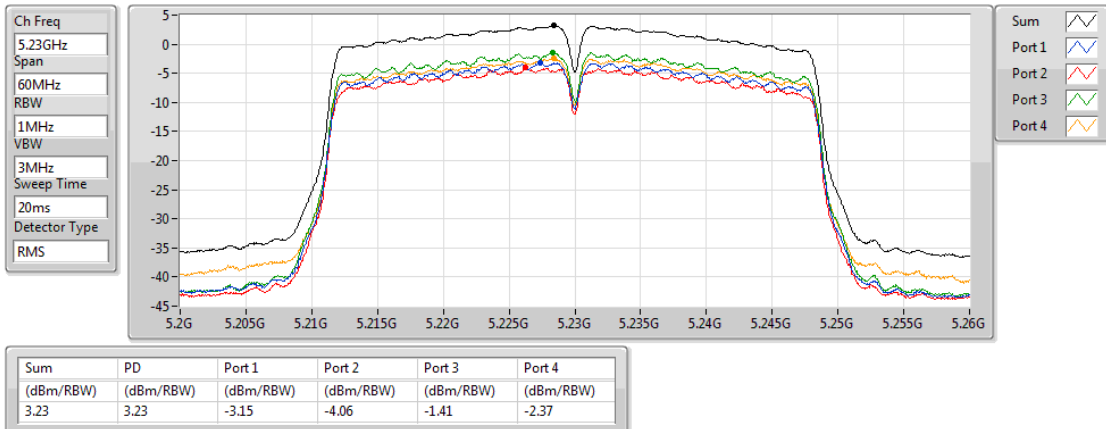
5190MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

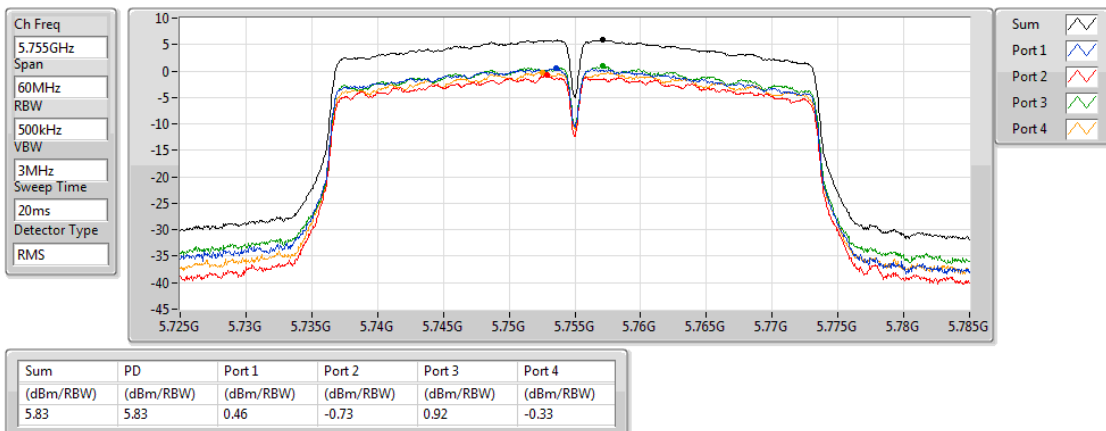
5230MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

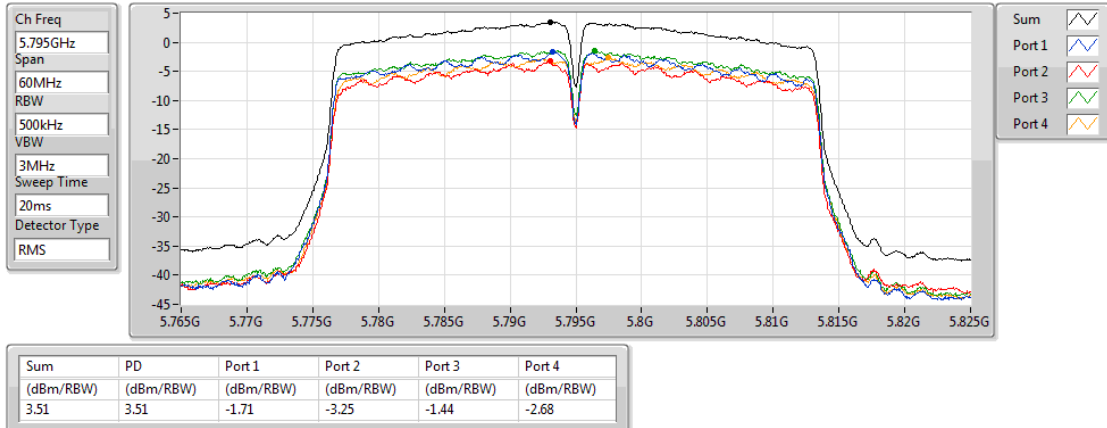
5755MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

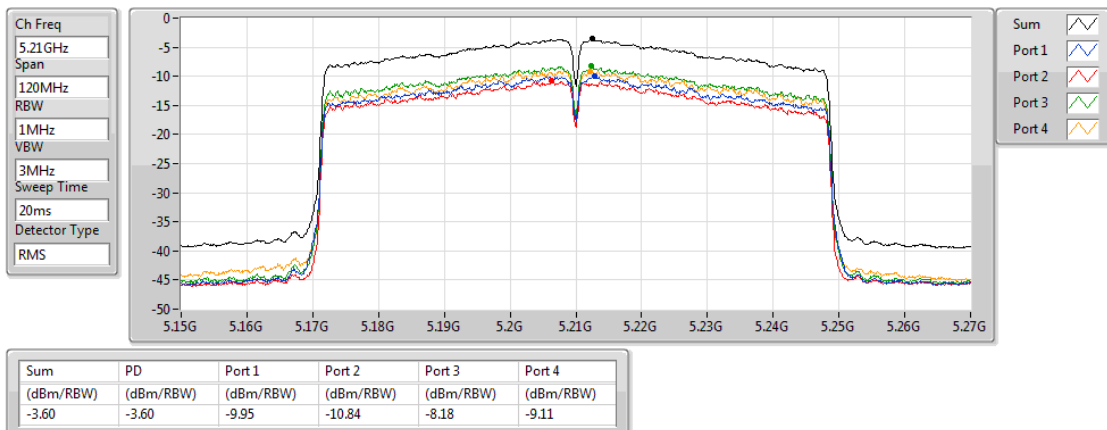
5795MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

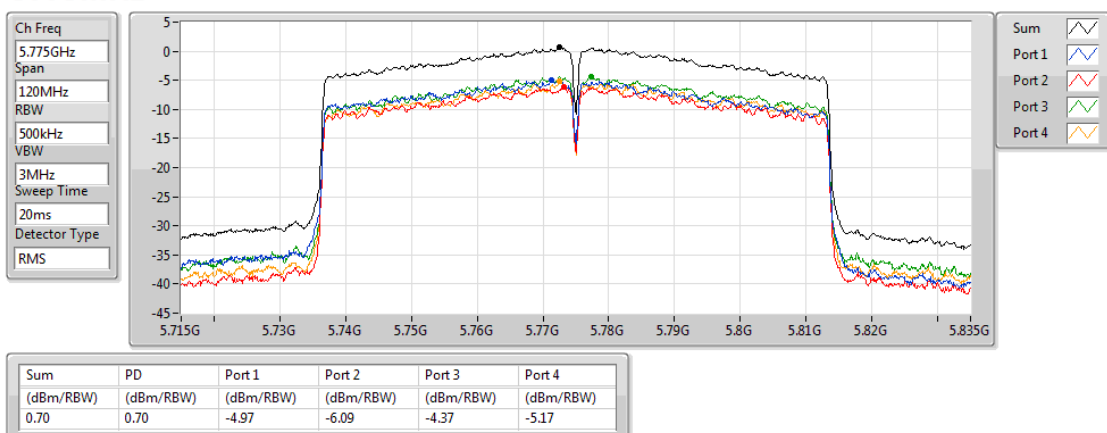
5210MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

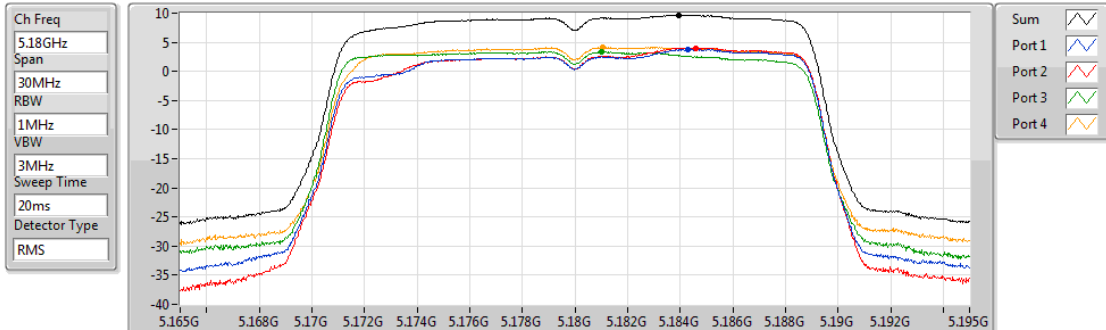
5775MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

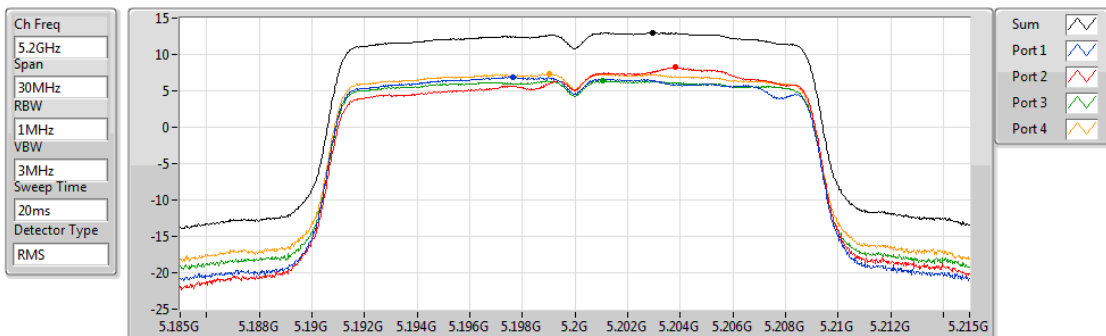


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.62	9.62	3.77	3.99	3.35	4.15

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

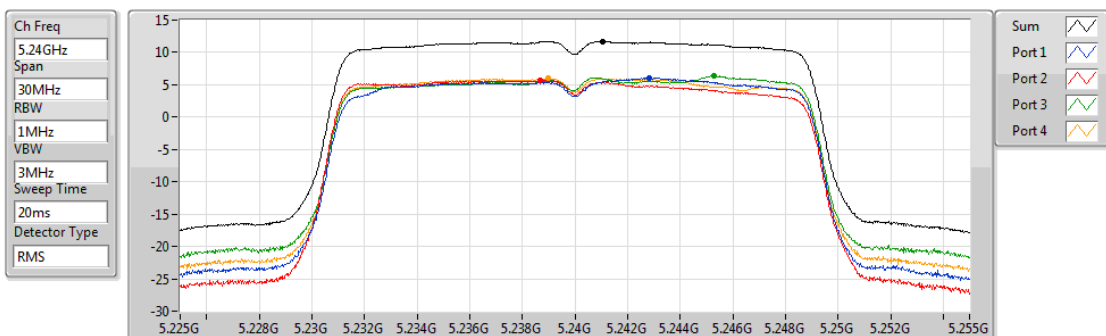


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.95	12.95	6.88	8.23	6.37	7.29

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

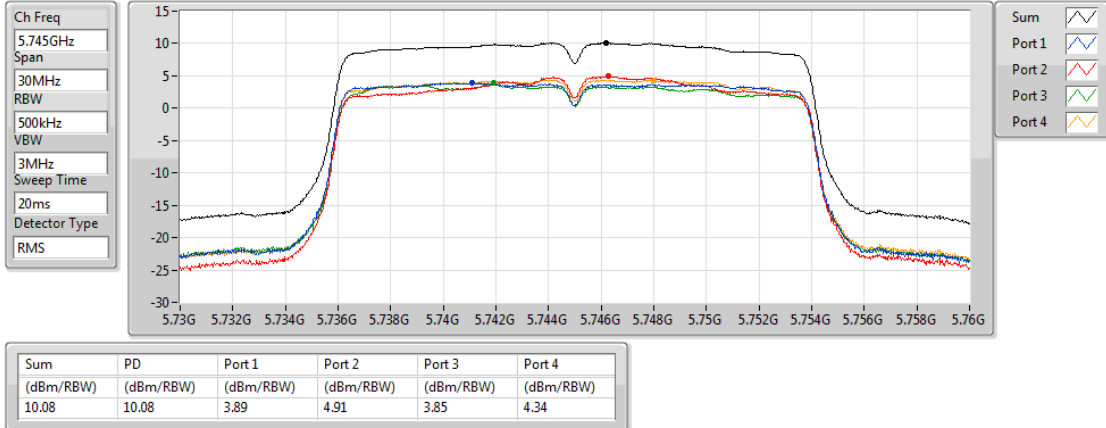


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.68	11.68	6.09	5.68	6.34	5.95

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

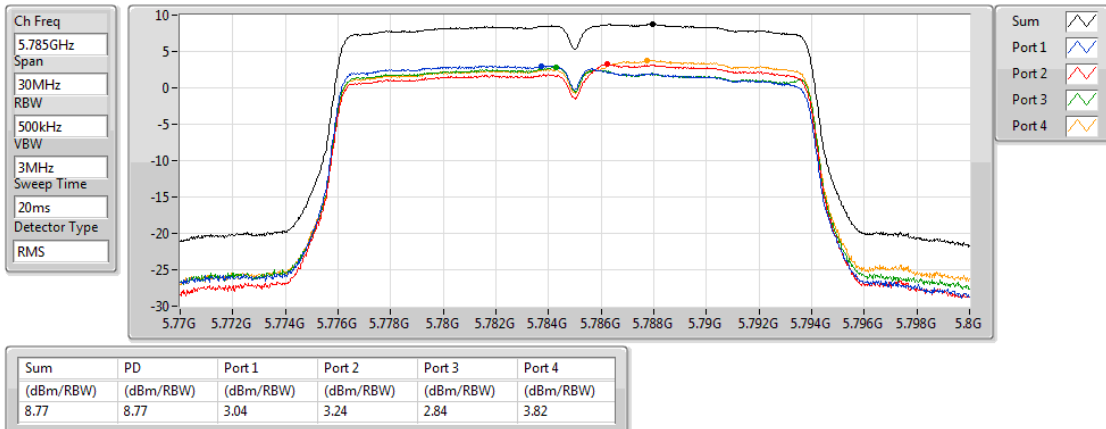
5745MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

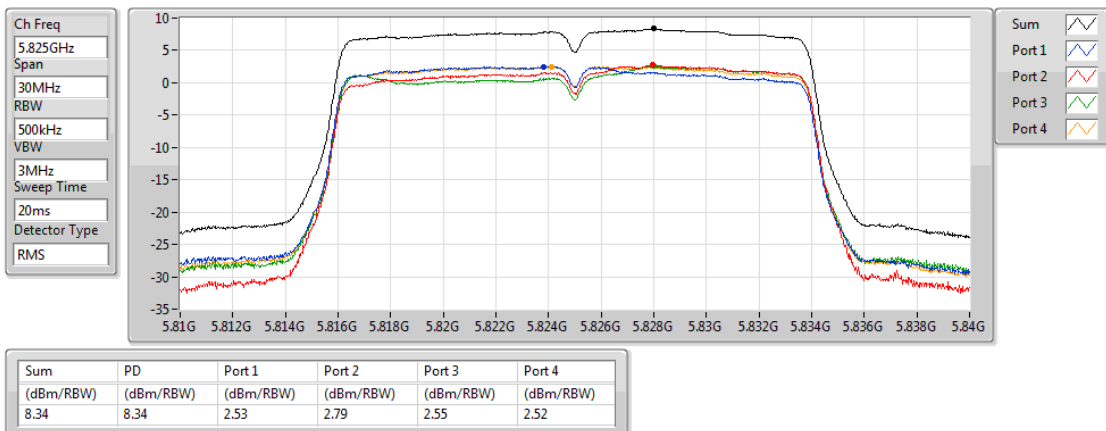
5785MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

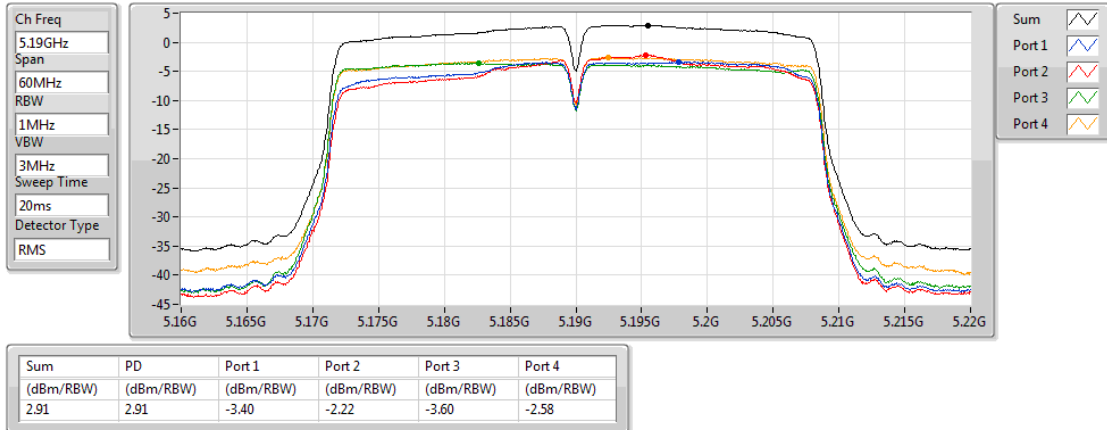
5825MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

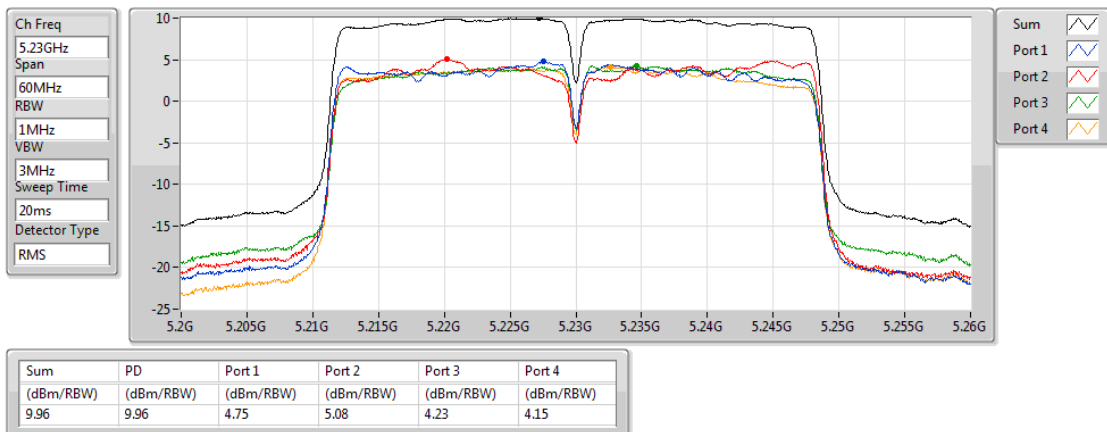
5190MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

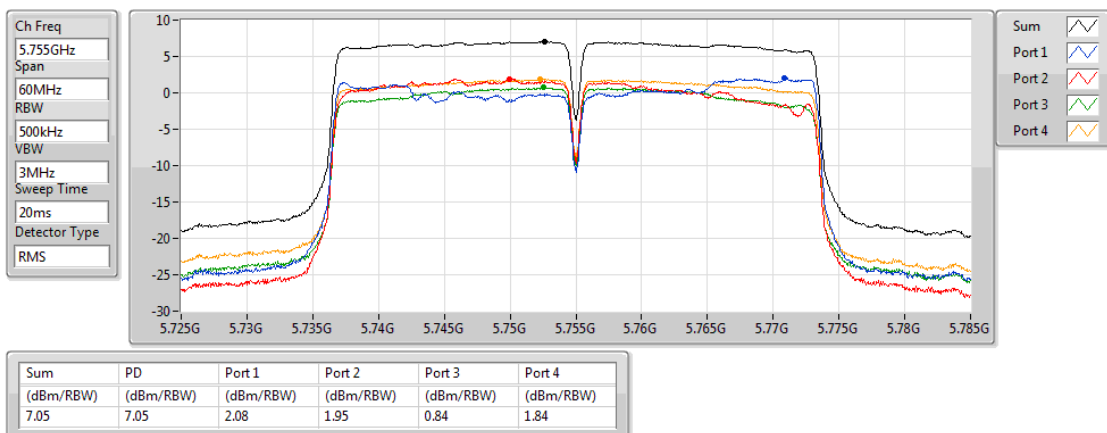
5230MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

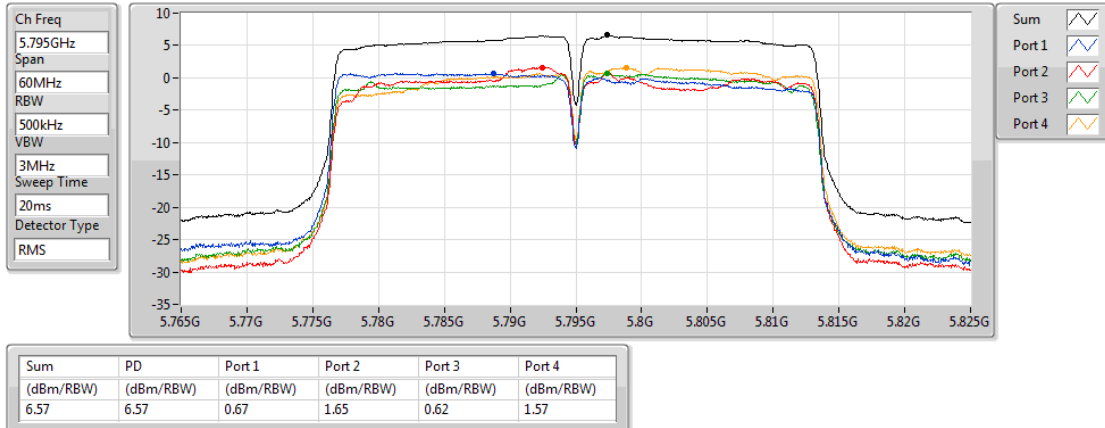
5755MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

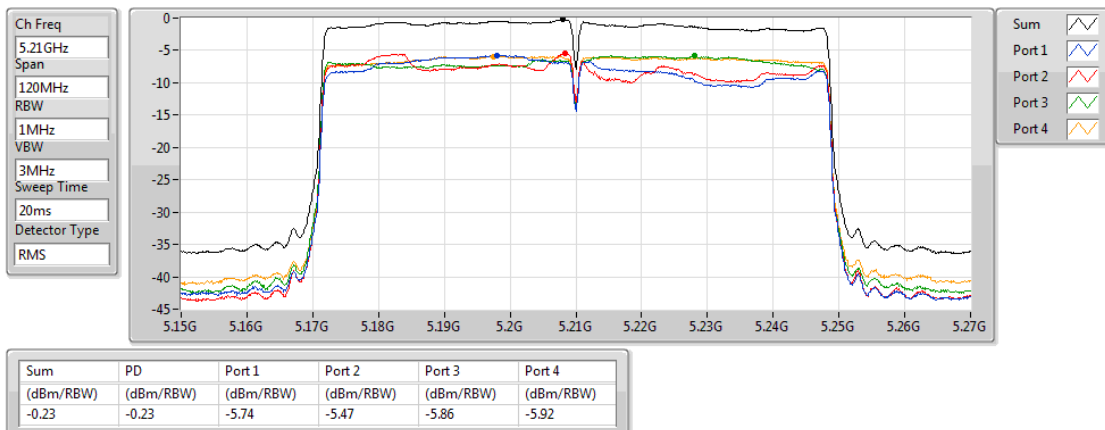
5795MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

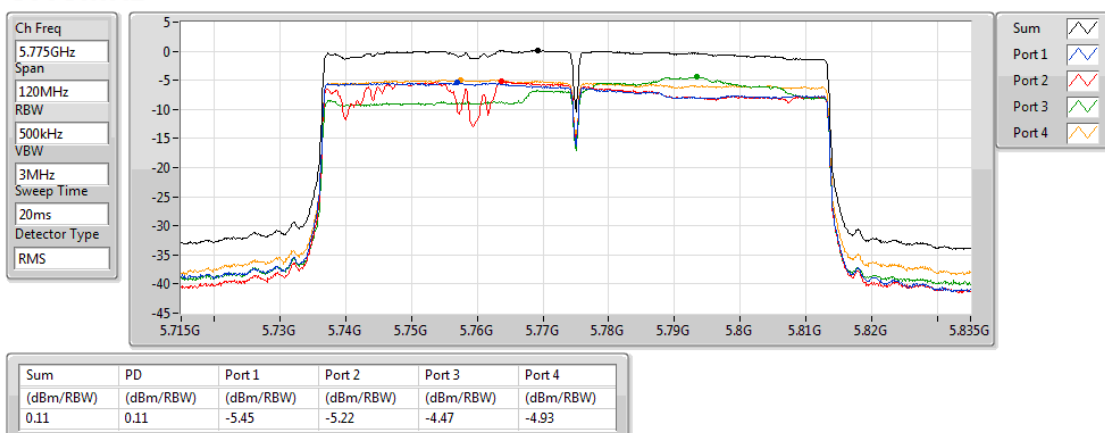
5210MHz

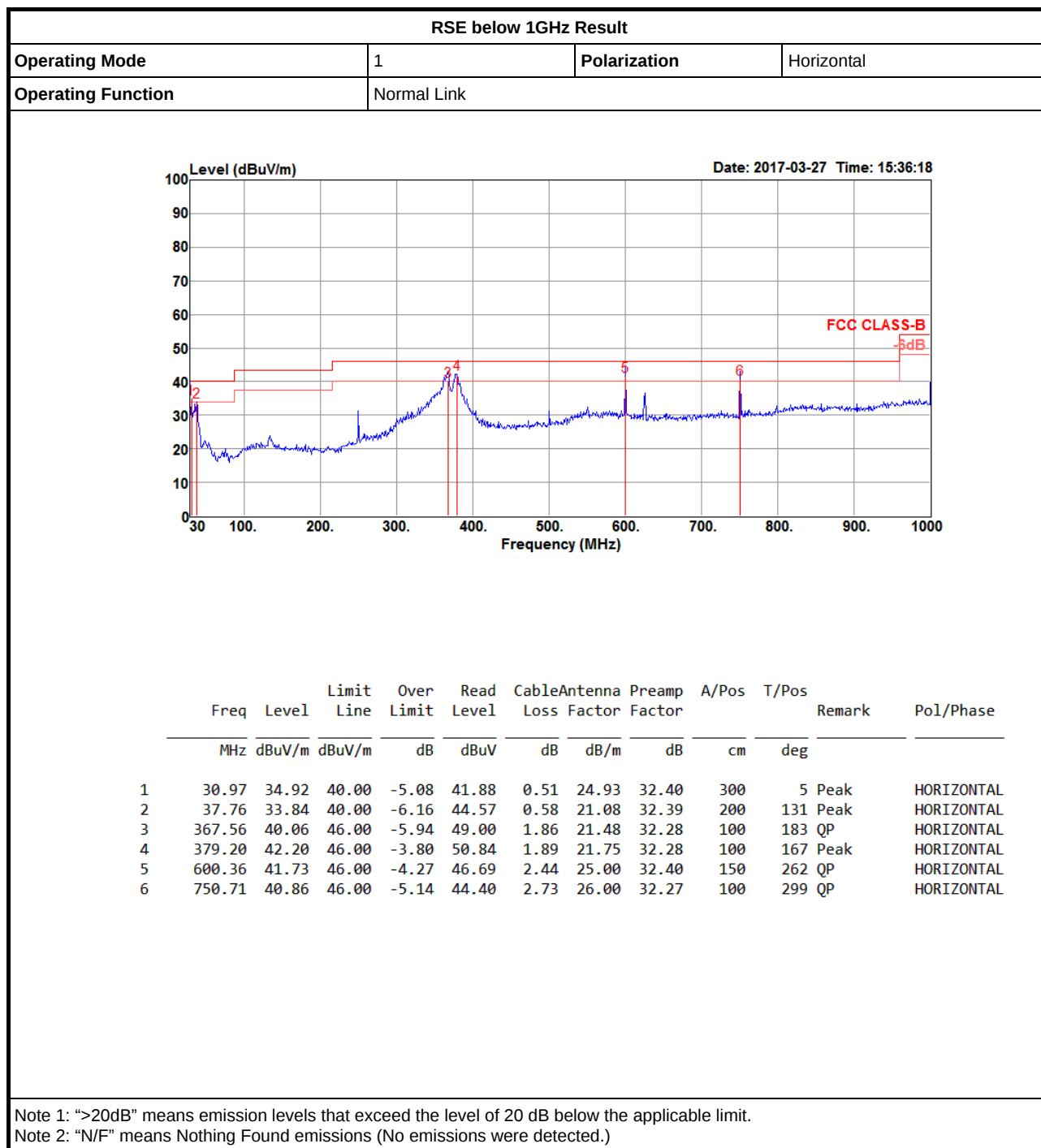


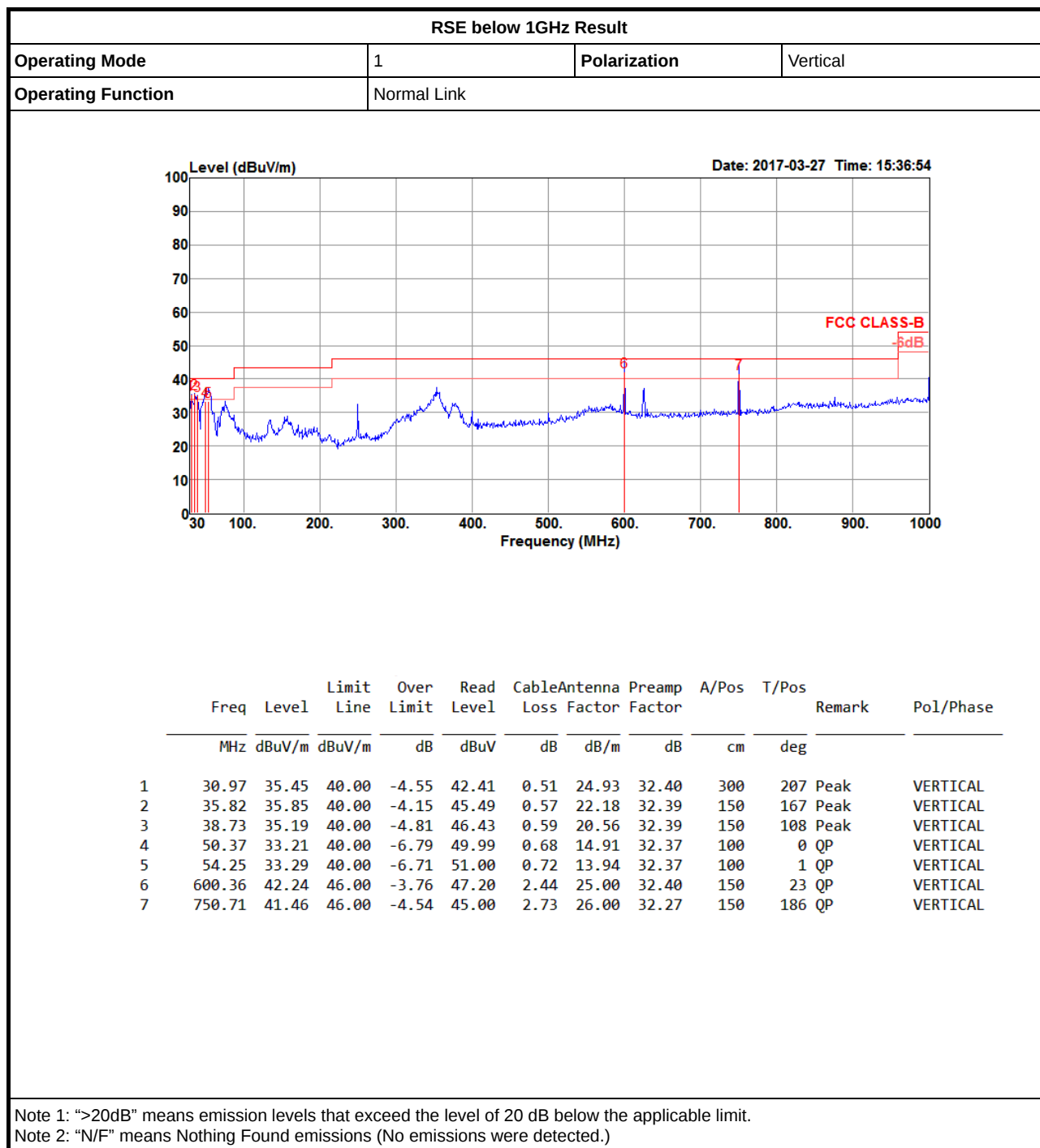
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz









RSE TX above 1GHz Result

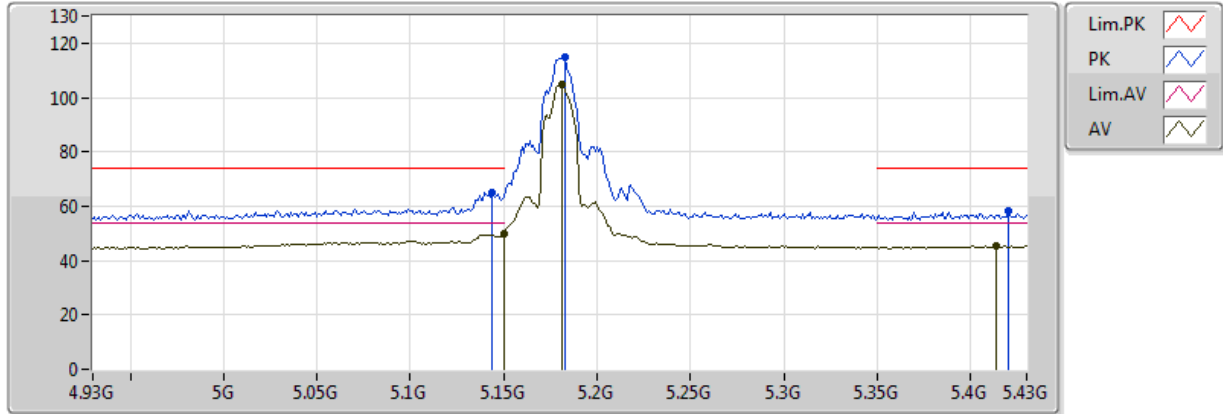
Appendix E.2

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-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.149995G	52.94	54.00	-1.06	5.44	3	V	269	1.68	-

802.11a_(6Mbps)_4TX

5180MHz_TX

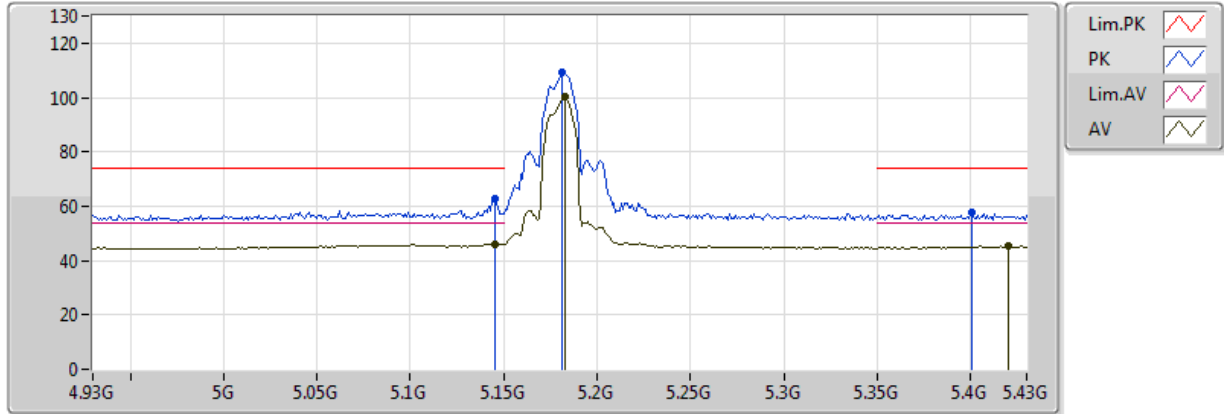


20170404
EUT_Y_4TX
Setting 19
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	50.09	54.00	-3.91	5.44	3	V	19	1.93	-
AV	5.181G	104.86	Inf	-Inf	5.51	3	V	19	1.93	-
AV	5.414G	45.36	54.00	-8.64	5.95	3	V	19	1.93	-
PK	5.144G	65.18	74.00	-8.82	5.43	3	V	19	1.93	-
PK	5.183G	114.80	Inf	-Inf	5.51	3	V	19	1.93	-
PK	5.42G	58.35	74.00	-15.65	5.96	3	V	19	1.93	-

802.11a_(6Mbps)_4TX

5180MHz_TX

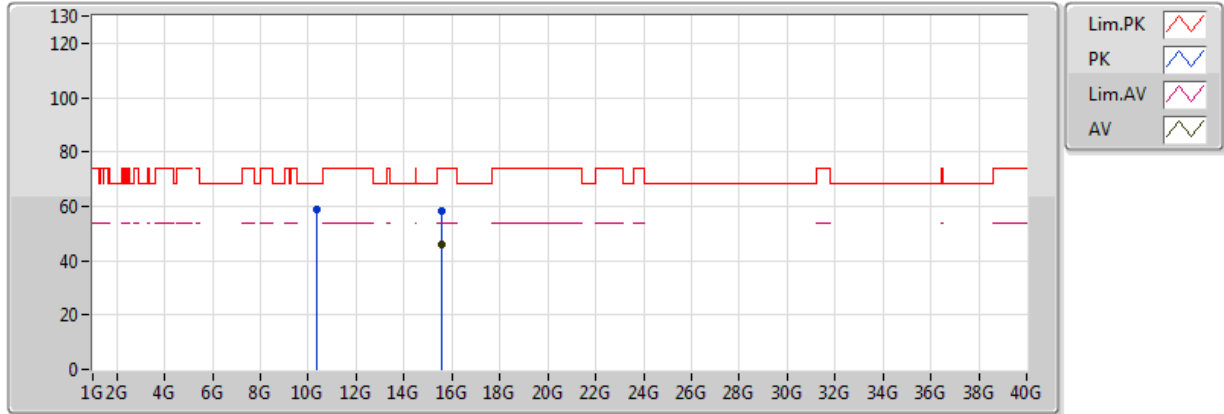


20170404
EUT_Y_4TX
Setting 19
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.145G	46.08	54.00	-7.92	5.43	3	H	146	2.09	-
AV	5.183G	100.06	Inf	-Inf	5.51	3	H	146	2.09	-
AV	5.42G	45.42	54.00	-8.58	5.96	3	H	146	2.09	-
PK	5.145G	62.64	74.00	-11.36	5.43	3	H	146	2.09	-
PK	5.181G	109.26	Inf	-Inf	5.51	3	H	146	2.09	-
PK	5.401G	57.48	74.00	-16.52	5.91	3	H	146	2.09	-

802.11a_(6Mbps)_4TX

5180MHz_TX

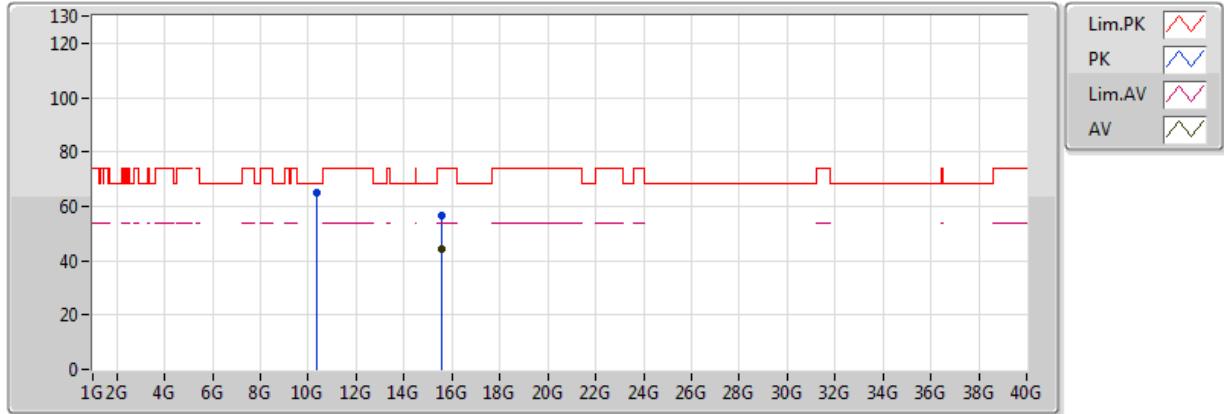


20170404
EUT_Y_4TX
Setting 19
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.36222G	58.58	68.20	-9.62	12.32	3	V	35	1.65	-
AV	15.5385G	46.14	54.00	-7.86	16.31	3	V	322	1.50	-
PK	15.53772G	58.04	74.00	-15.96	16.31	3	V	322	1.50	-

802.11a_(6Mbps)_4TX

5180MHz_TX

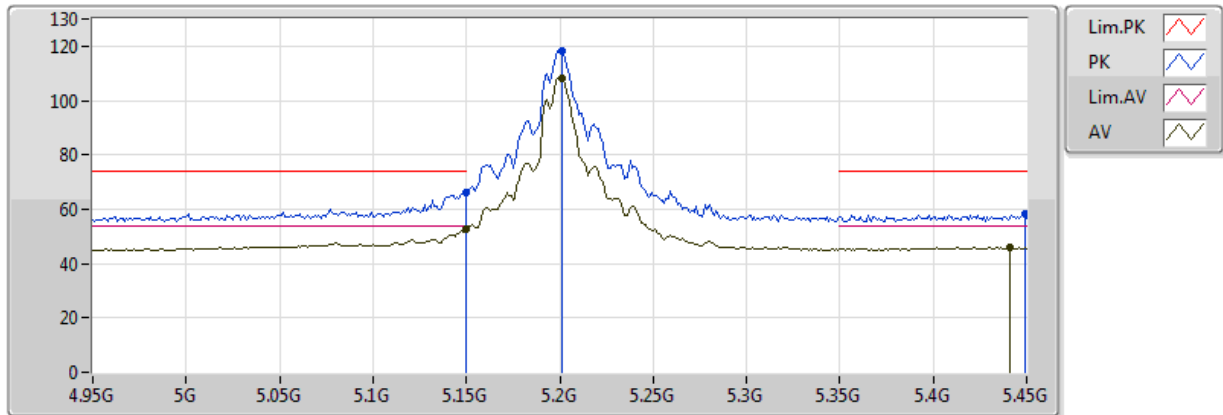


20170404
EUT_Y_4TX
Setting 19
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.35454G	64.93	68.20	-3.27	12.31	3	H	298	2.29	-
AV	15.53816G	44.10	54.00	-9.90	16.31	3	H	359	1.50	-
PK	15.54278G	56.76	74.00	-17.24	16.30	3	H	359	1.50	-

802.11a_(6Mbps)_4TX

5200MHz_TX

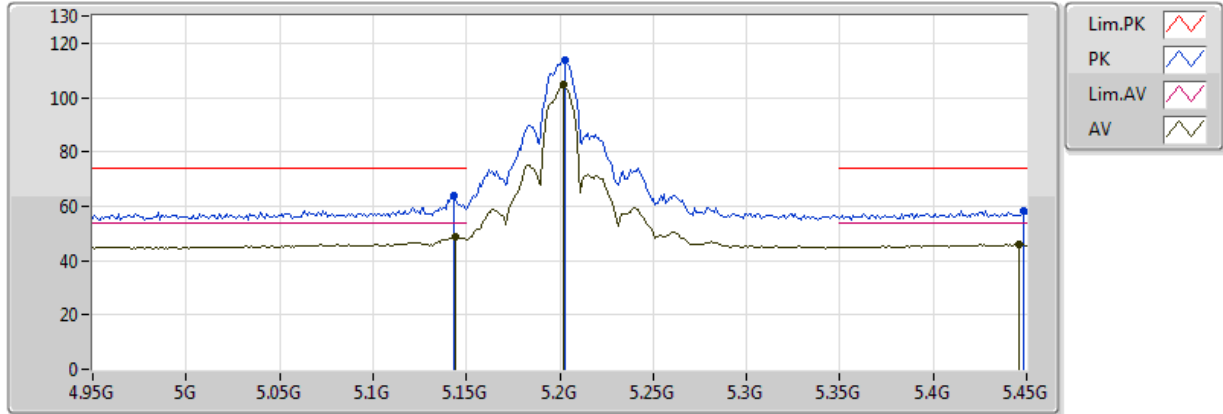


20170404
EUT_Y_4TX
Setting 22
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.68	54.00	-1.32	5.44	3	V	17	2.03	-
AV	5.201G	108.32	Inf	-Inf	5.55	3	V	17	2.03	-
AV	5.441G	45.88	54.00	-8.12	6.01	3	V	17	2.03	-
PK	5.149995G	66.39	74.00	-7.61	5.44	3	V	17	2.03	-
PK	5.201G	118.21	Inf	-Inf	5.55	3	V	17	2.03	-
PK	5.449G	58.00	74.00	-16.00	6.03	3	V	17	2.03	-

802.11a_(6Mbps)_4TX

5200MHz_TX

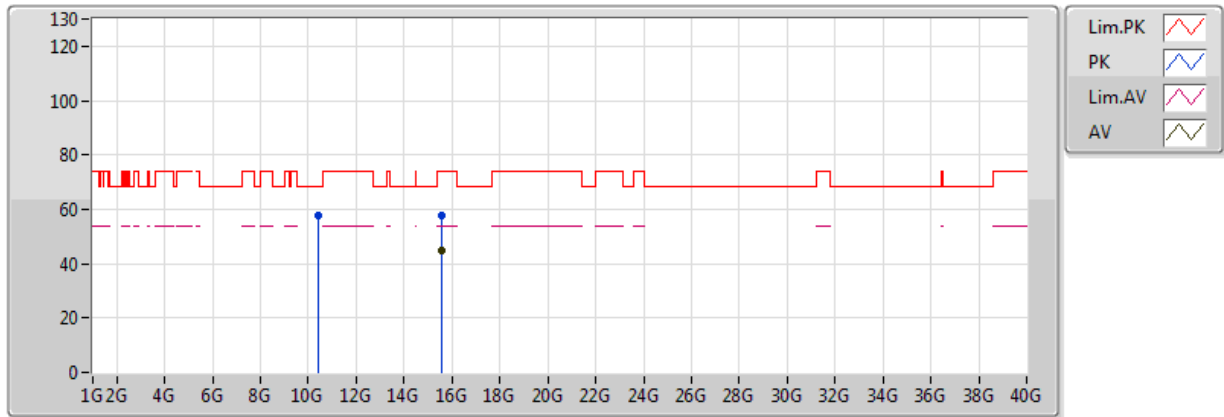


20170404
EUT_Y_4TX
Setting 22
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.144G	48.72	54.00	-5.28	5.43	3	H	146	2.06	-
AV	5.202G	104.59	Inf	-Inf	5.55	3	H	146	2.06	-
AV	5.446G	45.77	54.00	-8.23	6.03	3	H	146	2.06	-
PK	5.143G	63.83	74.00	-10.17	5.43	3	H	146	2.06	-
PK	5.203G	114.03	Inf	-Inf	5.56	3	H	146	2.06	-
PK	5.448G	58.35	74.00	-15.65	6.03	3	H	146	2.06	-

802.11a_(6Mbps)_4TX

5200MHz_TX

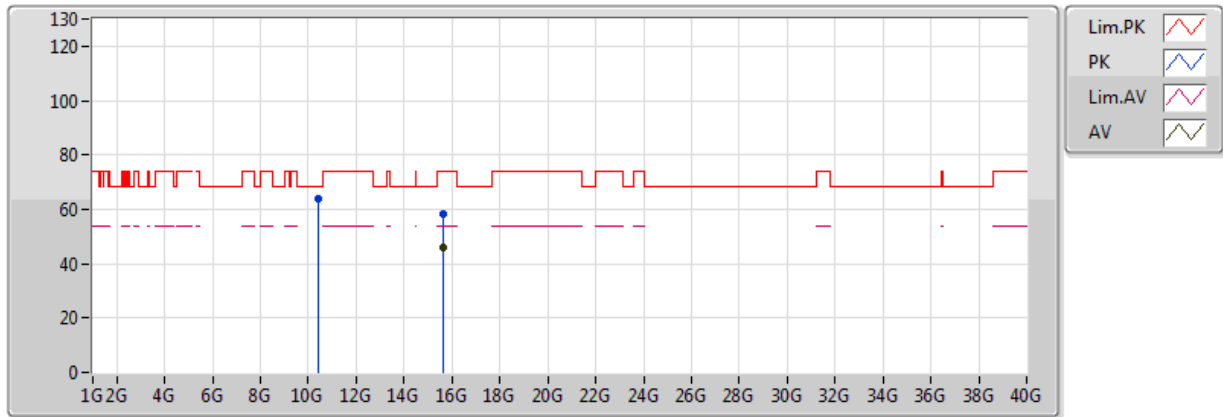


20170404
EUT_Y_4TX
Setting 22
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.40102G	57.79	68.20	-10.41	12.36	3	V	36	1.59	-
AV	15.5976G	44.85	54.00	-9.15	16.12	3	V	320	1.49	-
PK	15.59826G	57.93	74.00	-16.07	16.12	3	V	320	1.49	-

802.11a_(6Mbps)_4TX

5200MHz_TX

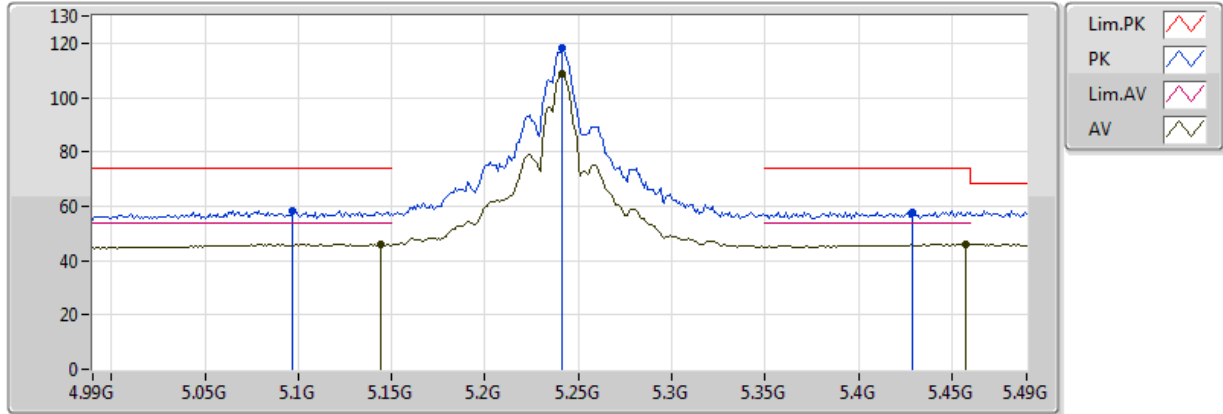


20170404
EUT_Y_4TX
Setting 22
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.39514G	64.08	68.20	-4.12	12.35	3	H	60	1.76	-
AV	15.60606G	46.15	54.00	-7.85	16.09	3	H	51	1.95	-
PK	15.60294G	58.24	74.00	-15.76	16.10	3	H	51	1.95	-

802.11a_(6Mbps)_4TX

5240MHz_TX

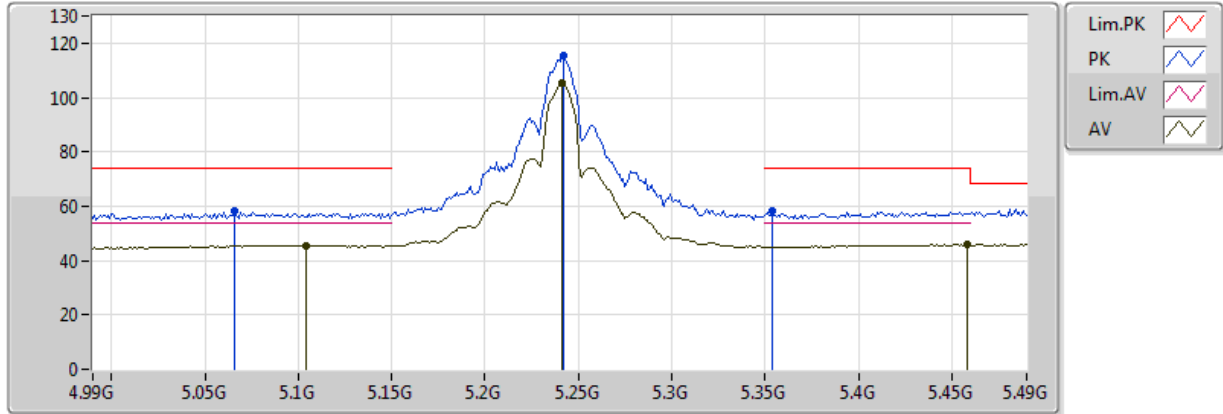


20170404
EUT_Y_4TX
Setting 28
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.144G	46.20	54.00	-7.80	5.43	3	V	131	1.91	-
AV	5.241G	108.68	Inf	-Inf	5.63	3	V	131	1.91	-
AV	5.457G	45.94	54.00	-8.06	6.05	3	V	131	1.91	-
PK	5.097G	58.44	74.00	-15.56	5.33	3	V	131	1.91	-
PK	5.241G	118.16	Inf	-Inf	5.63	3	V	131	1.91	-
PK	5.429G	57.91	74.00	-16.09	5.98	3	V	131	1.91	-

802.11a_(6Mbps)_4TX

5240MHz_TX

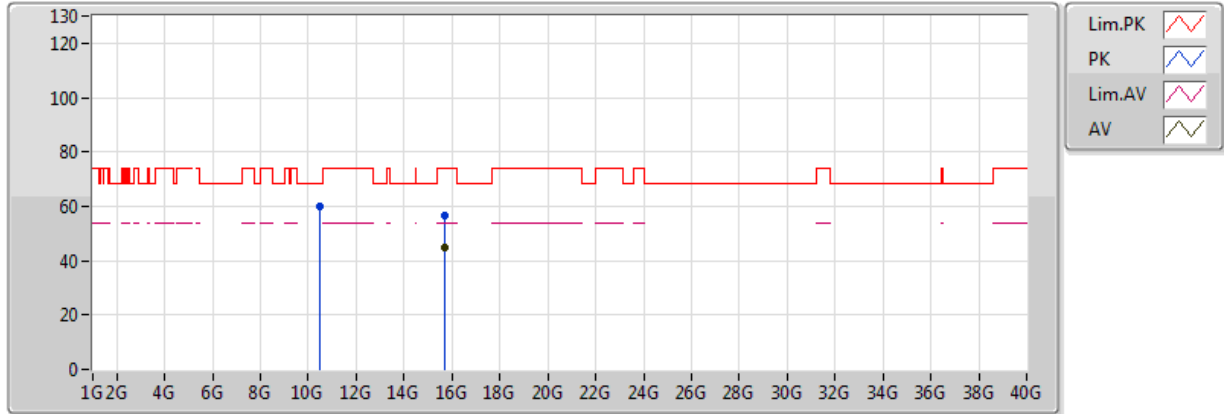


20170404
EUT_Y_4TX
Setting 28
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.104G	45.58	54.00	-8.42	5.35	3	H	145	1.98	-
AV	5.241G	105.46	Inf	-Inf	5.63	3	H	145	1.98	-
AV	5.458G	46.10	54.00	-7.90	6.05	3	H	145	1.98	-
PK	5.066G	58.26	74.00	-15.74	5.25	3	H	145	1.98	-
PK	5.242G	115.41	Inf	-Inf	5.63	3	H	145	1.98	-
PK	5.354G	58.28	74.00	-15.72	5.83	3	H	145	1.98	-

802.11a_(6Mbps)_4TX

5240MHz_TX

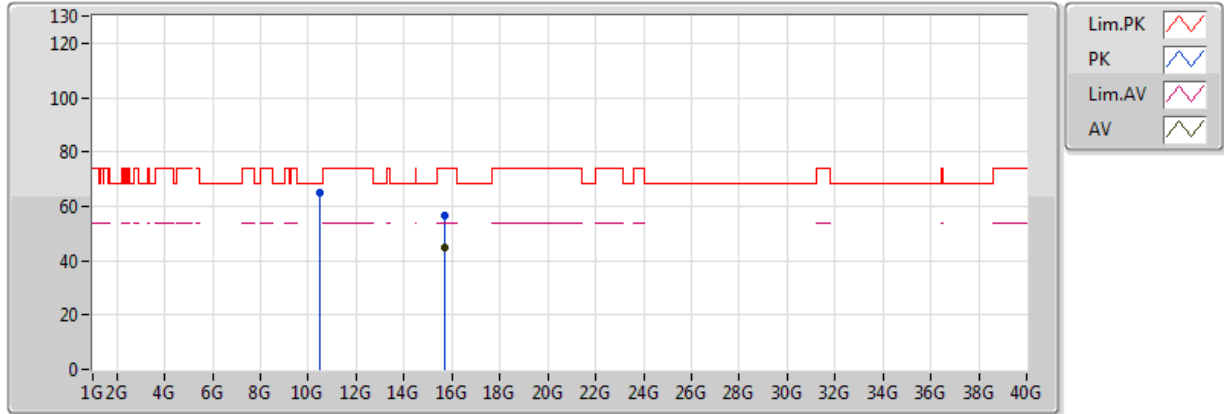


20170404
EUT_Y_4TX
Setting 28
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.47628G	59.83	68.20	-8.37	12.43	3	V	166	1.61	-
AV	15.7173G	44.83	54.00	-9.17	15.73	3	V	10	1.57	-
PK	15.71532G	56.66	74.00	-17.34	15.74	3	V	10	1.57	-

802.11a_(6Mbps)_4TX

5240MHz_TX

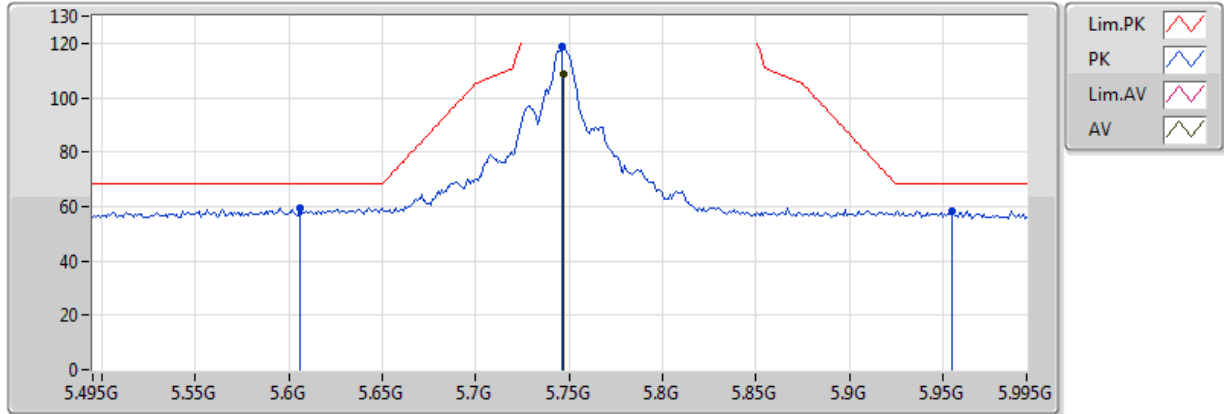


20170404
EUT_Y_4TX
Setting 28
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.4749G	65.15	68.20	-3.05	12.43	3	H	62	1.85	-
AV	15.72432G	45.04	54.00	-8.96	15.71	3	H	53	1.59	-
PK	15.7239G	56.64	74.00	-17.36	15.71	3	H	53	1.59	-

802.11a_(6Mbps)_4TX

5745MHz_TX

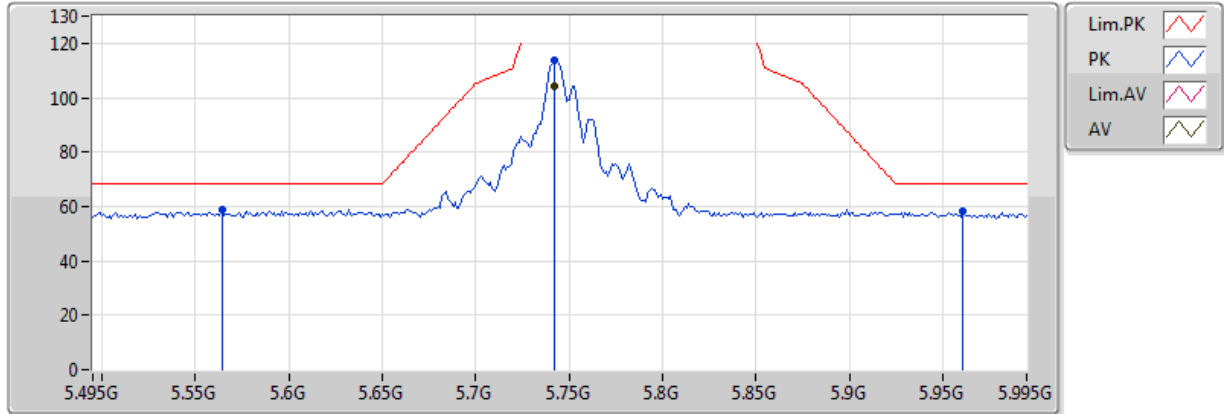


20170404
EUT_Y_4TX
Setting 23
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.747G	108.93	Inf	-Inf	6.25	3	V	78	1.79	-
PK	5.606G	59.64	68.20	-8.56	6.24	3	V	78	1.79	-
PK	5.746G	118.63	Inf	-Inf	6.25	3	V	78	1.79	-
PK	5.955G	58.38	68.20	-9.82	6.17	3	V	78	1.79	-

802.11a_(6Mbps)_4TX

5745MHz_TX

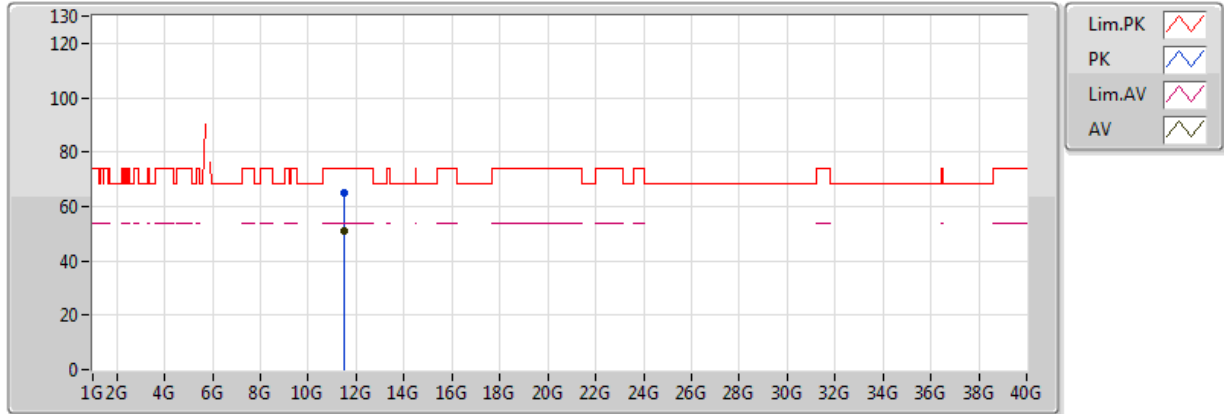


20170404
EUT_Y_4TX
Setting 23
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.742G	104.46	Inf	-Inf	6.25	3	H	256	1.80	-
PK	5.564G	58.76	68.20	-9.44	6.21	3	H	256	1.80	-
PK	5.742G	113.74	Inf	-Inf	6.25	3	H	256	1.80	-
PK	5.961G	58.14	68.20	-10.06	6.17	3	H	256	1.80	-

802.11a_(6Mbps)_4TX

5745MHz_TX

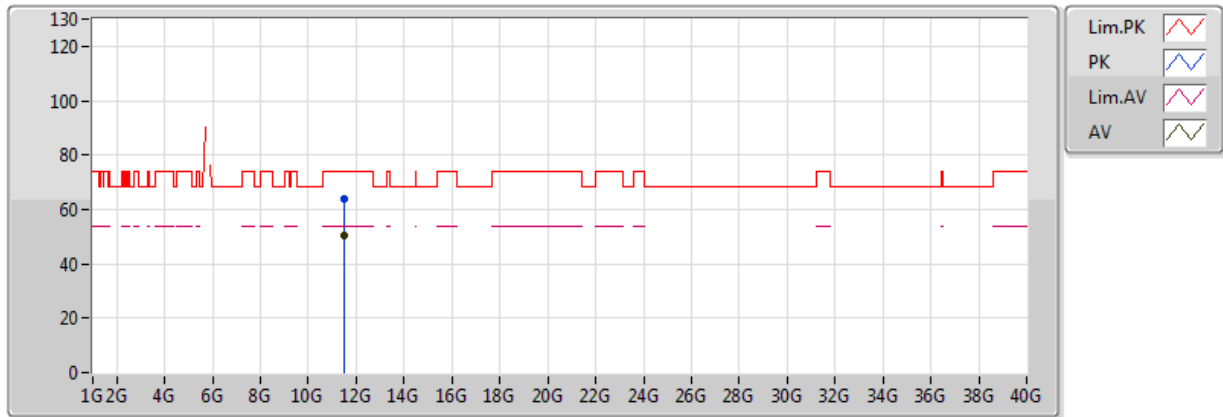


20170404
EUT_Y_4TX
Setting 23
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.48802G	50.88	54.00	-3.12	13.42	3	V	349	2.89	-
PK	11.48826G	64.84	74.00	-9.16	13.42	3	V	349	2.89	-

802.11a_(6Mbps)_4TX

5745MHz_TX

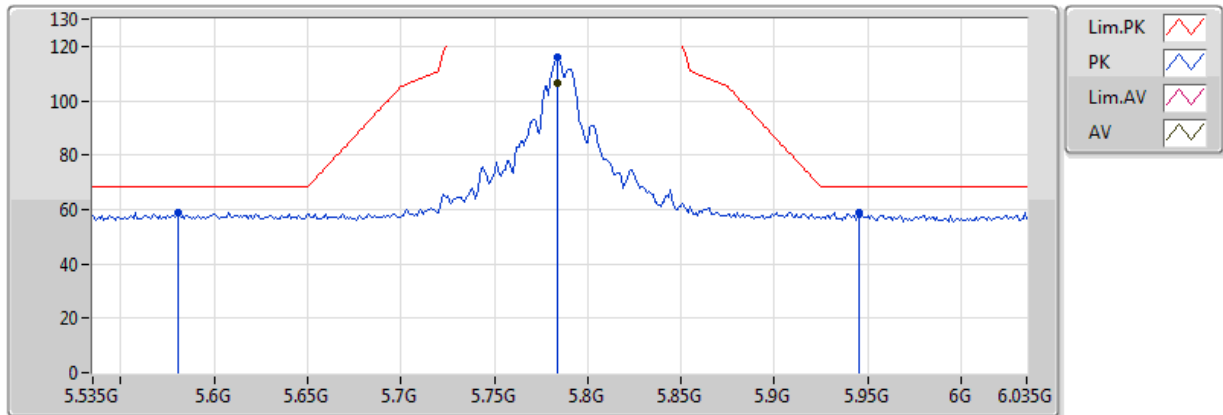


20170404
EUT_Y_4TX
Setting 23
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.48832G	50.33	54.00	-3.67	13.42	3	H	347	1.61	-
PK	11.48844G	63.95	74.00	-10.05	13.42	3	H	347	1.61	-

802.11a_(6Mbps)_4TX

5785MHz_TX

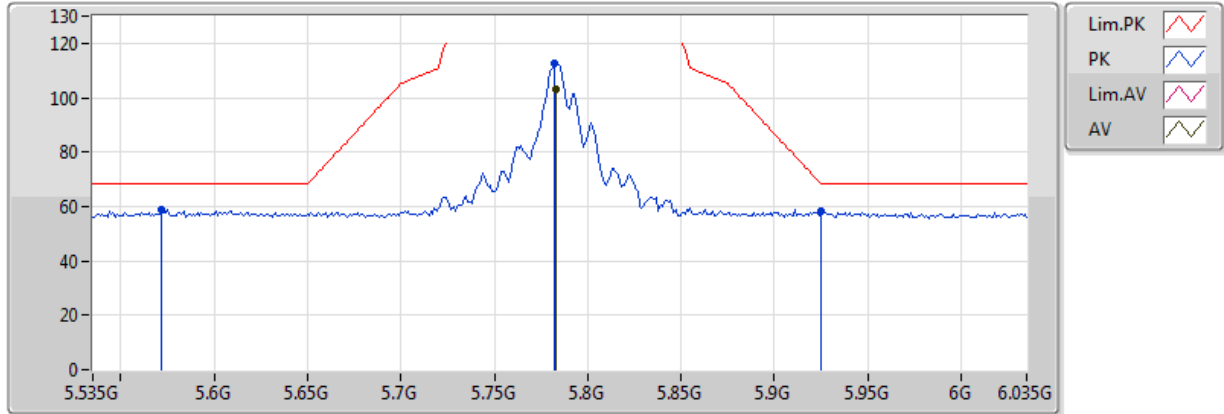


20170404
EUT_Y_4TX
Setting 1F
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.784G	106.26	Inf	-Inf	6.25	3	V	288	1.66	-
PK	5.581G	59.03	68.20	-9.17	6.22	3	V	288	1.66	-
PK	5.784G	115.77	Inf	-Inf	6.25	3	V	288	1.66	-
PK	5.945G	59.03	68.20	-9.17	6.18	3	V	288	1.66	-

802.11a_(6Mbps)_4TX

5785MHz_TX

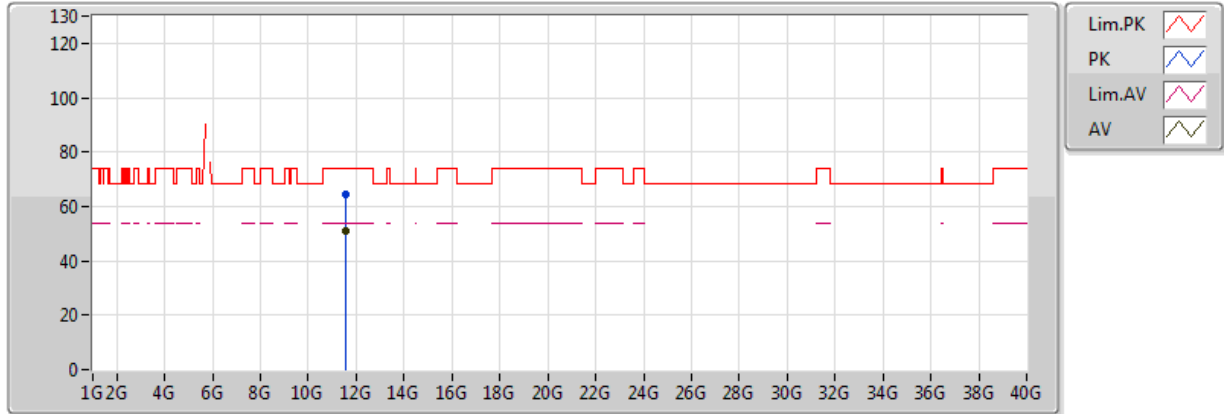


20170404
EUT_Y_4TX
Setting 1F
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.783G	103.32	Inf	-Inf	6.25	3	H	251	1.74	-
PK	5.572G	58.82	68.20	-9.38	6.22	3	H	251	1.74	-
PK	5.782G	112.54	Inf	-Inf	6.25	3	H	251	1.74	-
PK	5.925G	58.02	68.20	-10.18	6.19	3	H	251	1.74	-

802.11a_(6Mbps)_4TX

5785MHz_TX

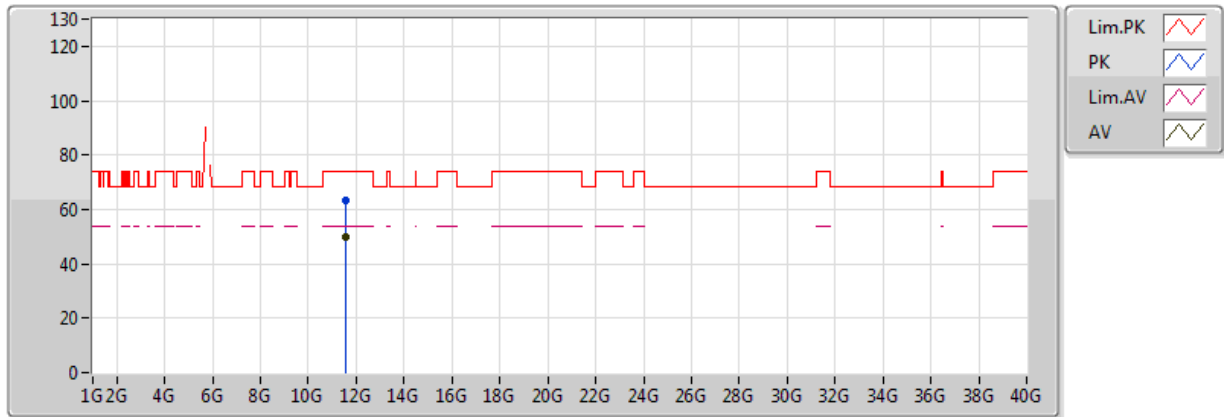


20170404
EUT_Y_4TX
Setting 1F
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5682G	50.83	54.00	-3.17	13.50	3	V	345	1.83	-
PK	11.5686G	64.46	74.00	-9.54	13.50	3	V	345	1.83	-

802.11a_(6Mbps)_4TX

5785MHz_TX

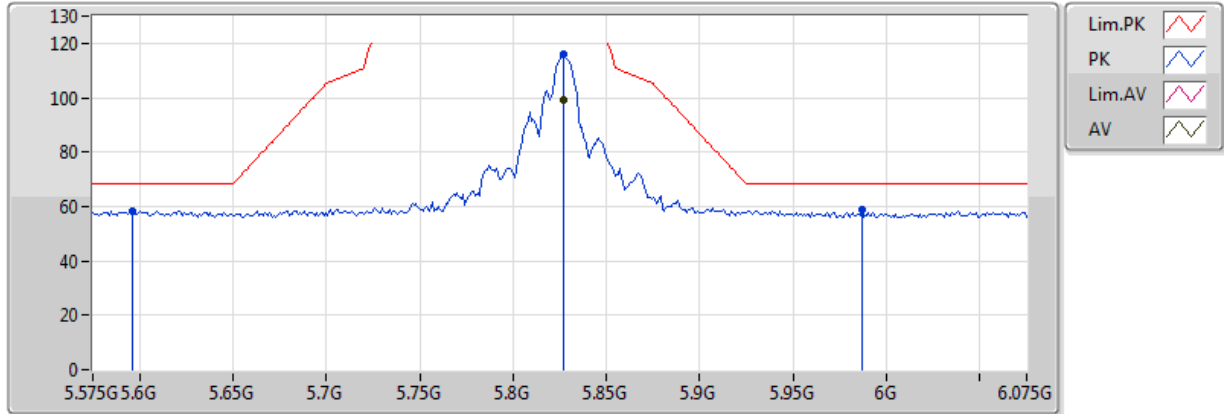


20170404
EUT_Y_4TX
Setting 1F
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5682G	49.87	54.00	-4.13	13.50	3	H	347	1.50	-
PK	11.5685G	63.44	74.00	-10.56	13.50	3	H	347	1.50	-

802.11a_(6Mbps)_4TX

5825MHz_TX

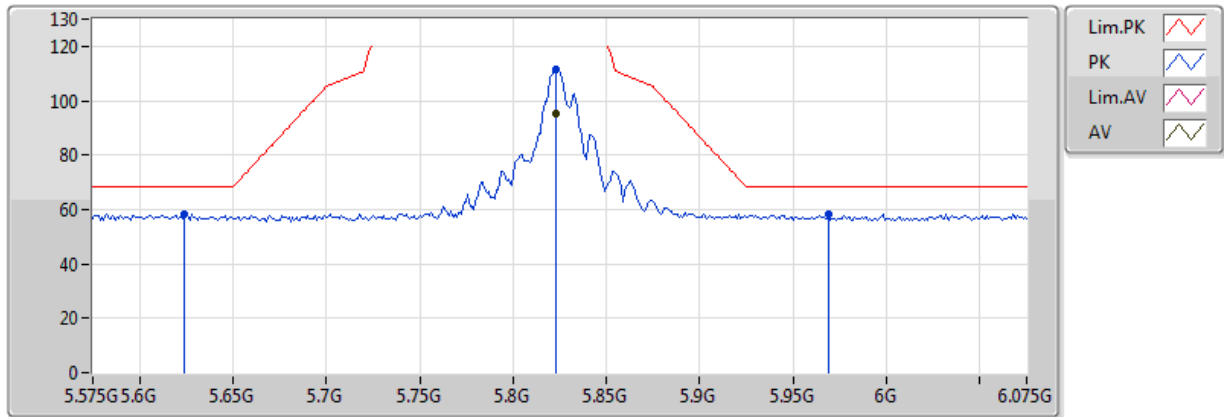


20170404
EUT_Y_4TX
Setting 1D
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.827G	98.92	Inf	-Inf	6.24	3	V	91	1.77	-
PK	5.596G	58.50	68.20	-9.70	6.24	3	V	91	1.77	-
PK	5.827G	116.20	Inf	-Inf	6.24	3	V	91	1.77	-
PK	5.987G	58.59	68.20	-9.61	6.16	3	V	91	1.77	-

802.11a_(6Mbps)_4TX

5825MHz_TX

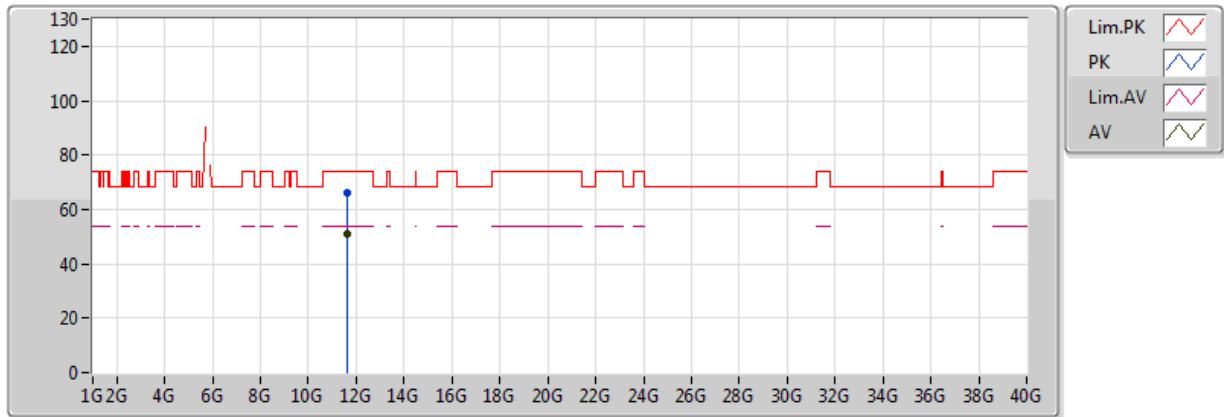


20170404
EUT_Y_4TX
Setting 1D
03-P-2-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.823G	95.06	Inf	-Inf	6.24	3	H	252	1.79	-
PK	5.624G	58.27	68.20	-9.93	6.24	3	H	252	1.79	-
PK	5.823G	111.75	Inf	-Inf	6.24	3	H	252	1.79	-
PK	5.969G	58.14	68.20	-10.06	6.17	3	H	252	1.79	-

802.11a_(6Mbps)_4TX

5825MHz_TX

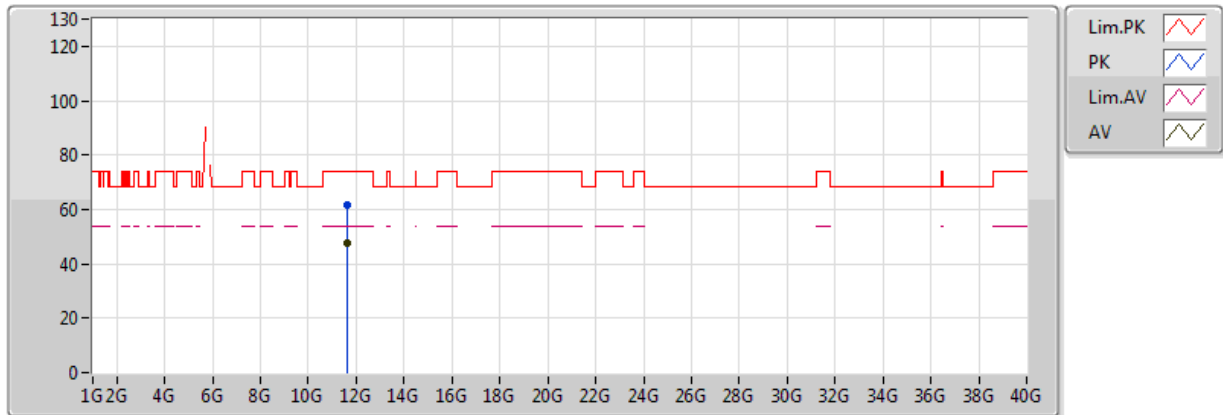


20170404
EUT_Y_4TX
Setting 1D
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.64838G	50.75	54.00	-3.25	13.58	3	V	349	2.75	-
PK	11.6488G	66.21	74.00	-7.79	13.58	3	V	349	2.75	-

802.11a_(6Mbps)_4TX

5825MHz_TX

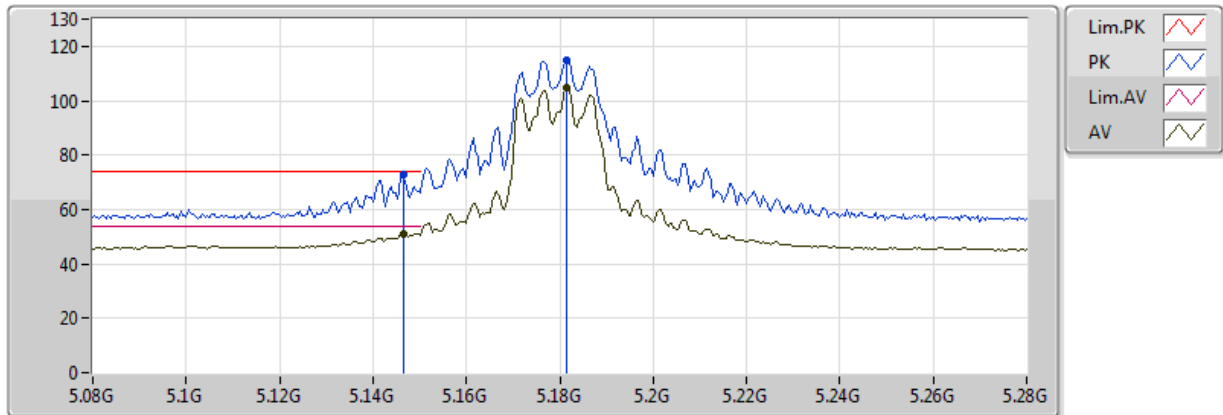


20170404
EUT_Y_4TX
Setting 1D
03-P-2
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.6479G	47.77	54.00	-6.23	13.58	3	H	346	1.50	-
PK	11.6488G	61.88	74.00	-12.12	13.58	3	H	346	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

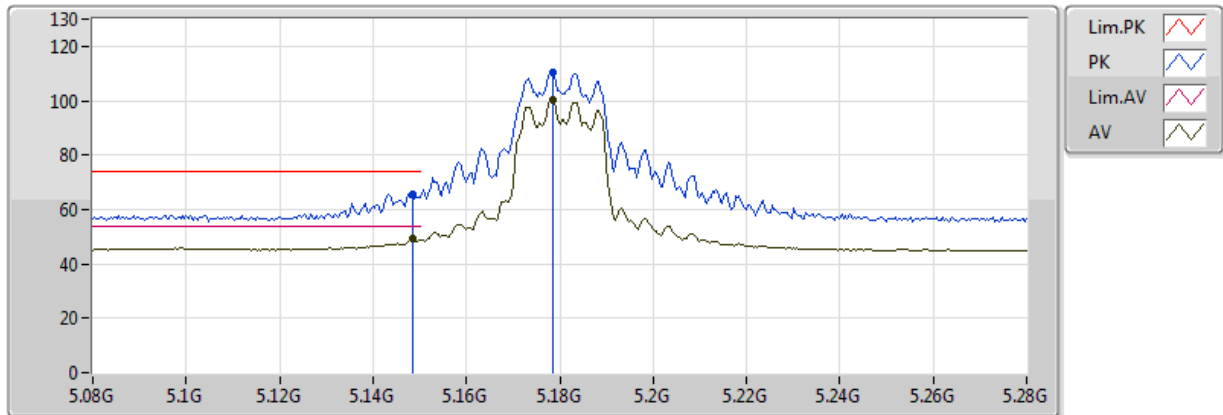


20170330
EUT_Y_4TX
Non-TXBF
Setting 1B
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1464G	51.21	54.00	-2.79	5.44	3	V	224	1.97	-
AV	5.1816G	104.88	Inf	-Inf	5.51	3	V	224	1.97	-
PK	5.1464G	72.81	74.00	-1.19	5.44	3	V	224	1.97	-
PK	5.1816G	115.07	Inf	-Inf	5.51	3	V	224	1.97	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

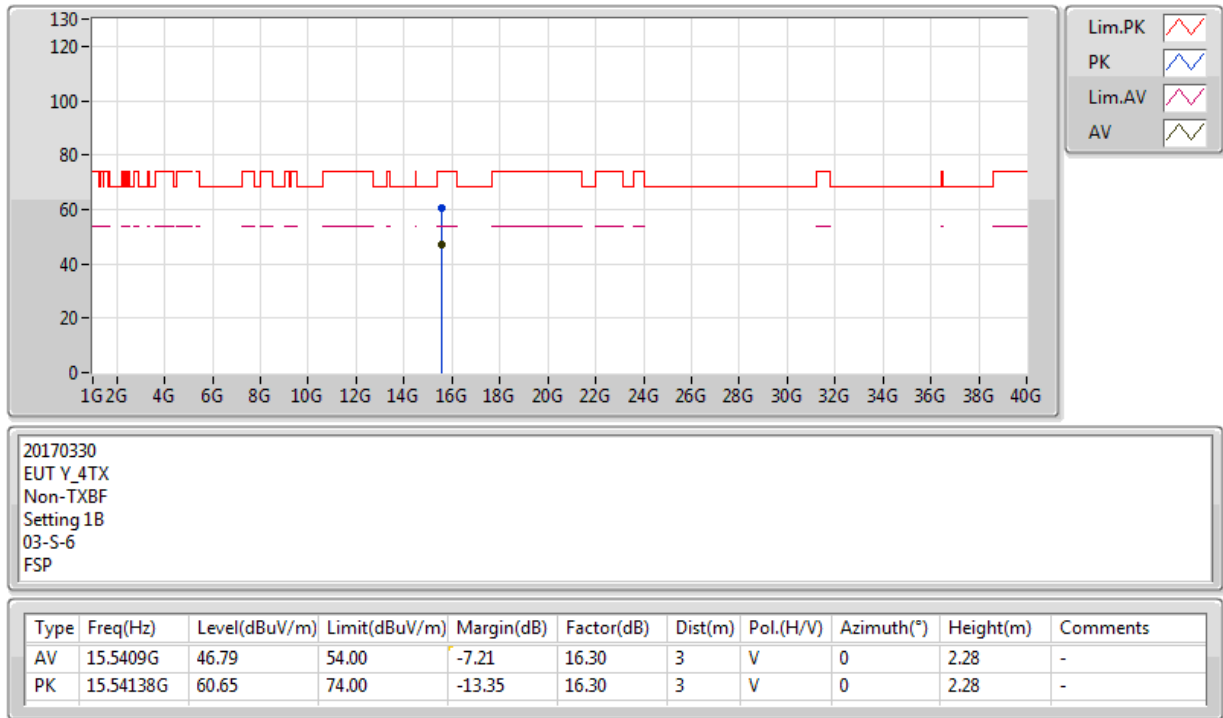


20170330
EUT_Y_4TX
Non-TXBF
Setting 1B
03-S-6-10
FSP

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	49.15	54.00	-4.85	5.44	3	H	157	2.81	-
AV	5.1784G	100.38	Inf	-Inf	5.50	3	H	157	2.81	-
PK	5.1484G	65.77	74.00	-8.23	5.44	3	H	157	2.81	-
PK	5.1784G	110.51	Inf	-Inf	5.50	3	H	157	2.81	-

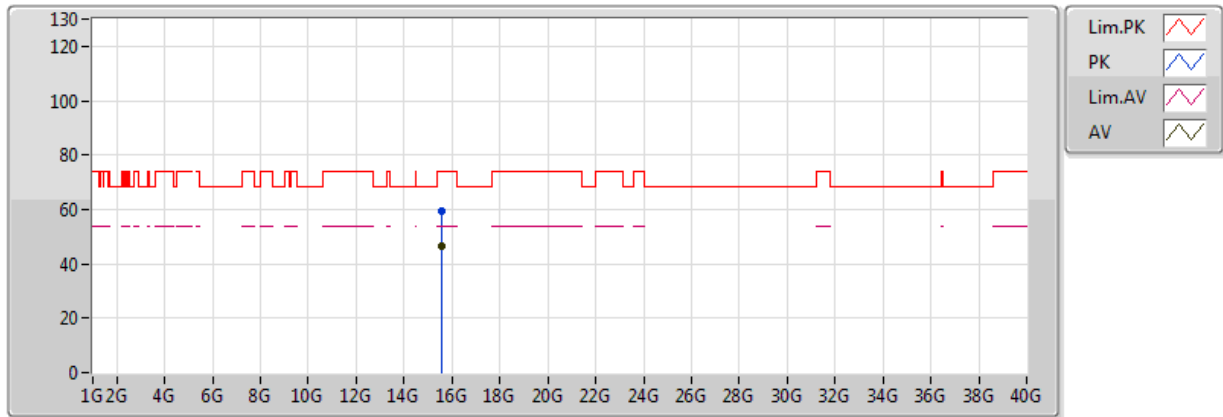
802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

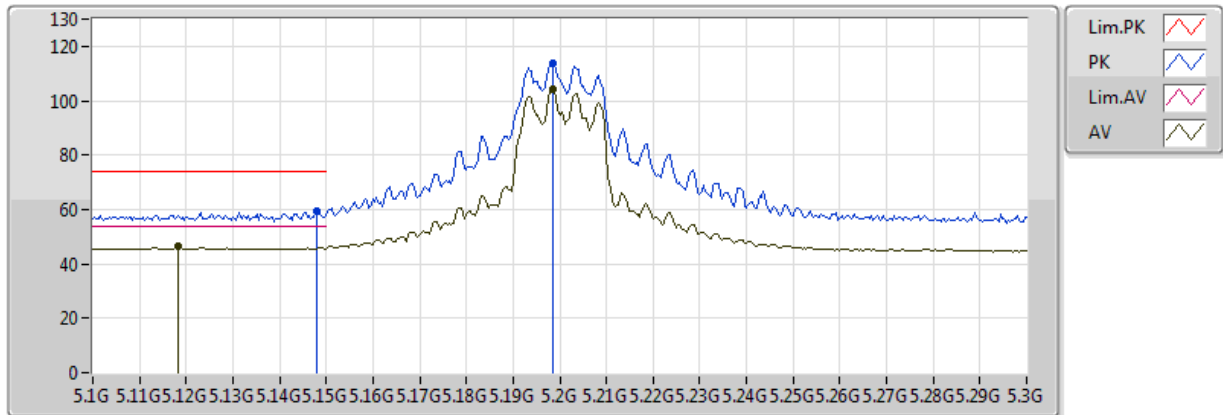


20170330
EUT_Y_4TX
Non-TXBF
Setting 1B
03-S-6
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53832G	46.51	54.00	-7.49	16.31	3	H	333	1.50	-
PK	15.53802G	59.47	74.00	-14.53	16.31	3	H	333	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

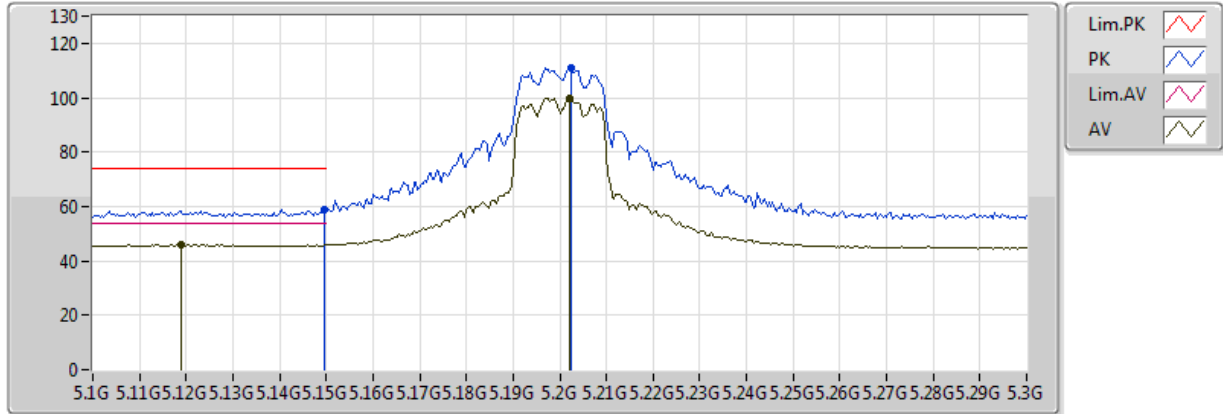


20170330
EUT_Y_4TX
Non-TXBF
Setting 1D
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1184G	46.23	54.00	-7.77	5.38	3	V	177	1.71	-
AV	5.1984G	103.95	Inf	-Inf	5.55	3	V	177	1.71	-
PK	5.148G	59.14	74.00	-14.86	5.44	3	V	177	1.71	-
PK	5.1984G	114.03	Inf	-Inf	5.55	3	V	177	1.71	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

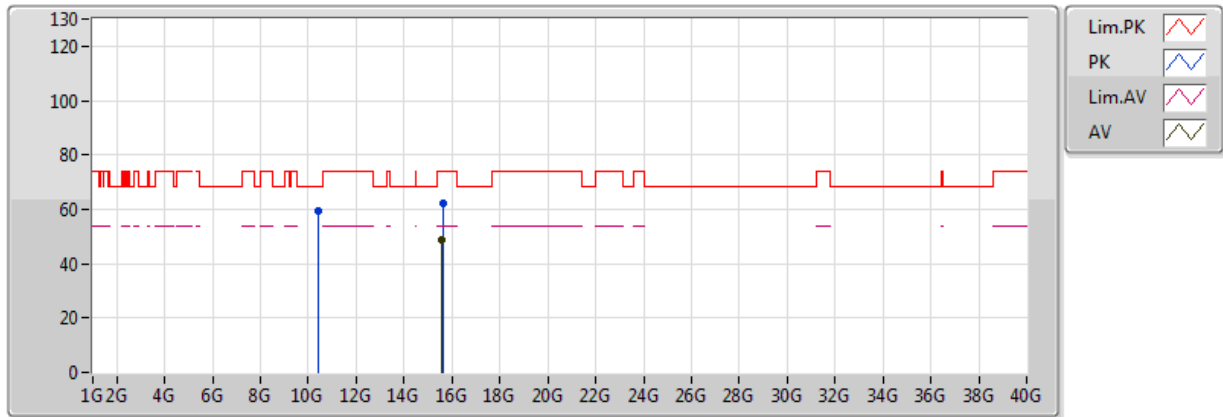


20170330
EUT_Y_4TX
Non-TXBF
Setting 1D
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1188G	45.99	54.00	-8.01	5.38	3	H	157	2.71	-
AV	5.202G	100.02	Inf	-Inf	5.55	3	H	157	2.71	-
PK	5.1496G	58.93	74.00	-15.07	5.44	3	H	157	2.71	-
PK	5.2024G	110.95	Inf	-Inf	5.55	3	H	157	2.71	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

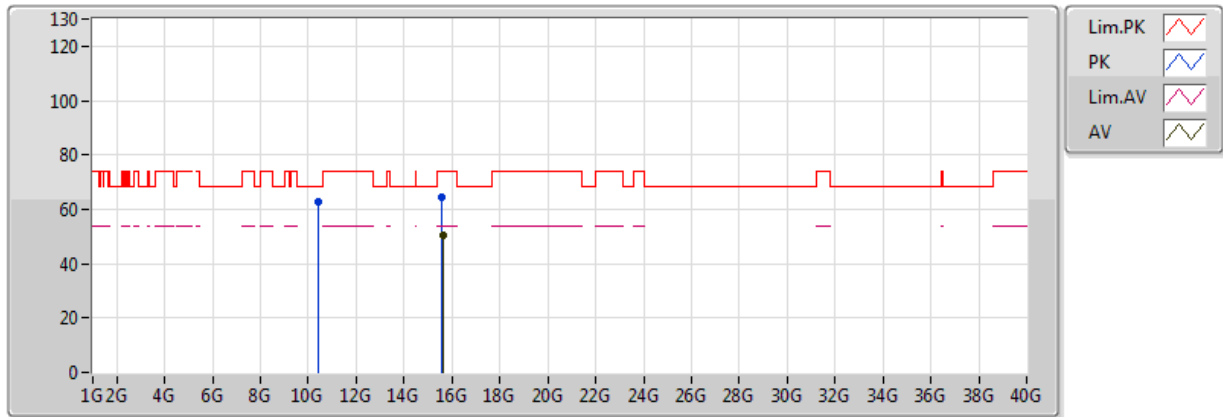


20170330
EUT_Y_4TX
Non-TXBF
Setting 1D
03-S-6
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6G	48.51	54.00	-5.49	16.11	3	V	0	2.26	-
PK	10.40264G	59.44	68.20	-8.76	12.36	3	V	7	1.46	-
PK	15.60582G	62.46	74.00	-11.54	16.09	3	V	0	2.26	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

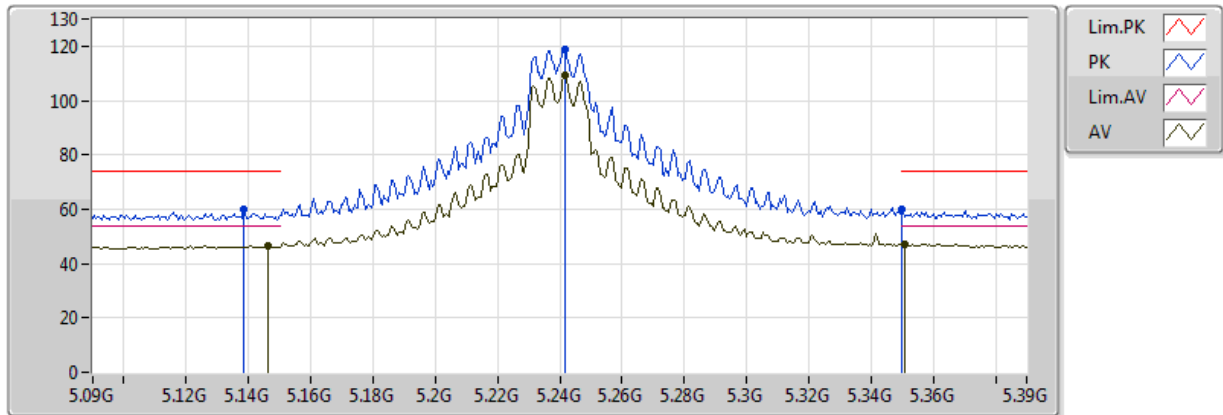


20170330
EUT_Y_4TX
Non-TXBF
Setting 1D
03-S-6
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.60324G	50.65	54.00	-3.35	16.10	3	H	51	2.00	-
PK	10.4018G	62.64	68.20	-5.56	12.36	3	H	62	1.78	-
PK	15.59772G	64.52	74.00	-9.48	16.12	3	H	51	2.00	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

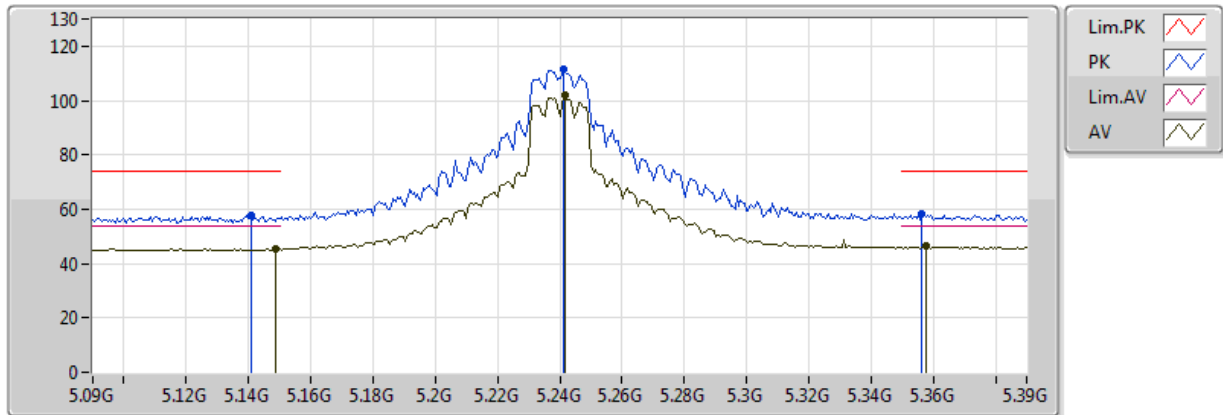


20170405
EUT_Y_4TX
Non-TXBF
Setting 21
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1464G	46.55	54.00	-7.45	4.26	3	V	214	1.99	-
AV	5.2418G	109.40	Inf	-Inf	4.47	3	V	214	1.99	-
AV	5.351G	47.17	54.00	-6.83	4.68	3	V	214	1.99	-
PK	5.1386G	60.09	74.00	-13.91	4.24	3	V	214	1.99	-
PK	5.2418G	118.91	Inf	-Inf	4.47	3	V	214	1.99	-
PK	5.350005G	60.02	74.00	-13.98	4.68	3	V	214	1.99	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

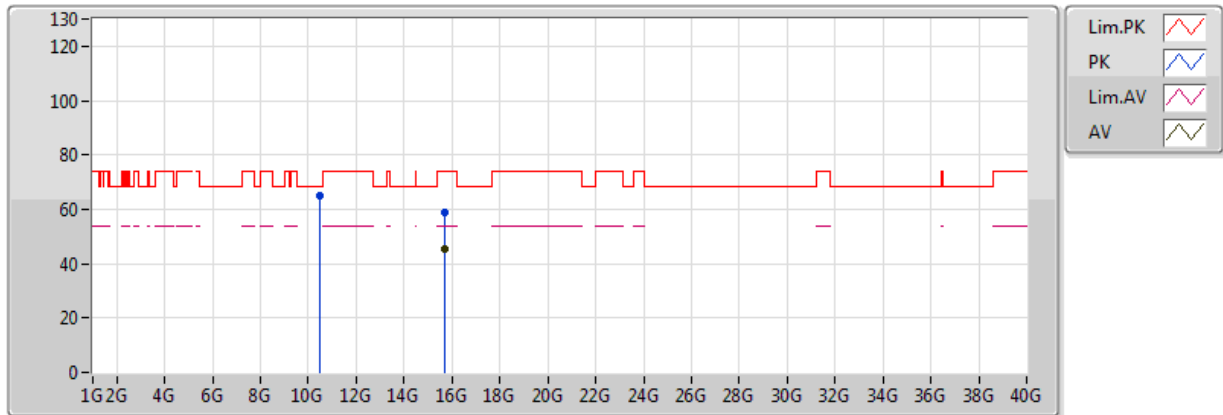


20170405
EUT_Y_4TX
Non-TXBF
Setting 21
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	45.27	54.00	-8.73	4.27	3	H	113	1.93	-
AV	5.2418G	101.76	Inf	-Inf	4.47	3	H	113	1.93	-
AV	5.3576G	46.24	54.00	-7.76	4.69	3	H	113	1.93	-
PK	5.141G	57.95	74.00	-16.05	4.25	3	H	113	1.93	-
PK	5.2412G	111.33	Inf	-Inf	4.47	3	H	113	1.93	-
PK	5.3564G	58.02	74.00	-15.98	4.69	3	H	113	1.93	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

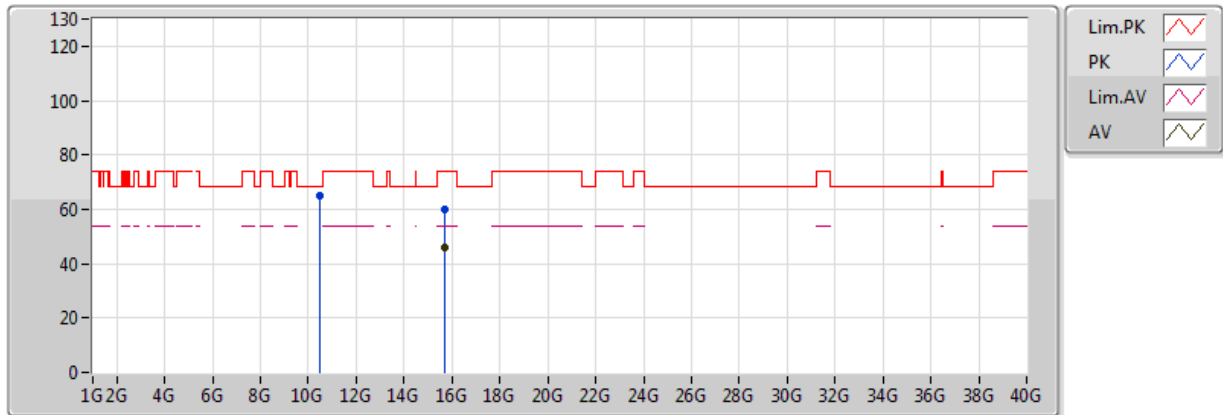


20170405
EUT_Y_4TX
Non-TXBF
Setting 21
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.722368G	45.60	54.00	-8.40	13.57	3	V	326	1.91	-
PK	10.481984G	64.74	68.20	-3.46	11.21	3	V	166	1.83	-
PK	15.717588G	58.91	74.00	-15.09	13.58	3	V	326	1.91	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

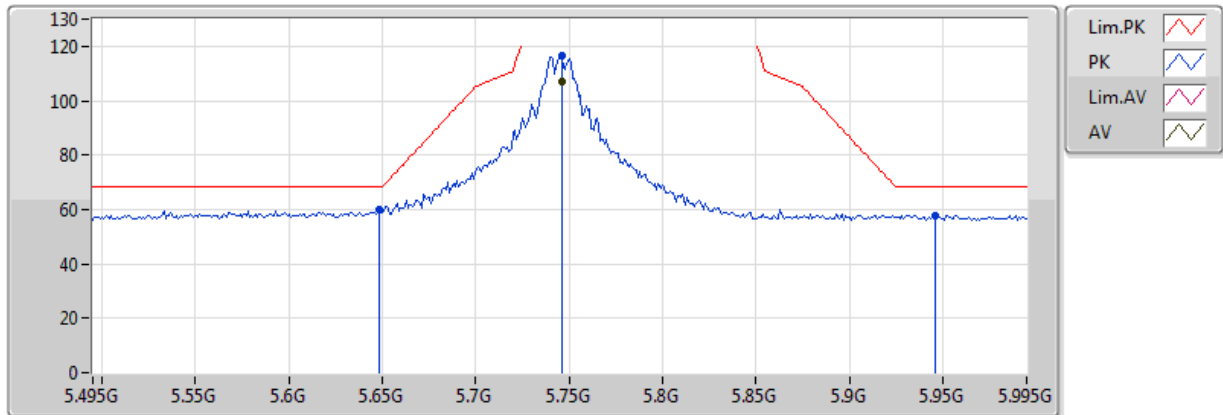


20170405
EUT_Y_4TX
Non-TXBF
Setting 21
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.718464G	46.11	54.00	-7.89	13.58	3	H	45	2.01	-
PK	10.48163G	65.15	68.20	-3.05	11.21	3	H	180	1.66	-
PK	15.718304G	59.97	74.00	-14.03	13.58	3	H	45	2.01	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

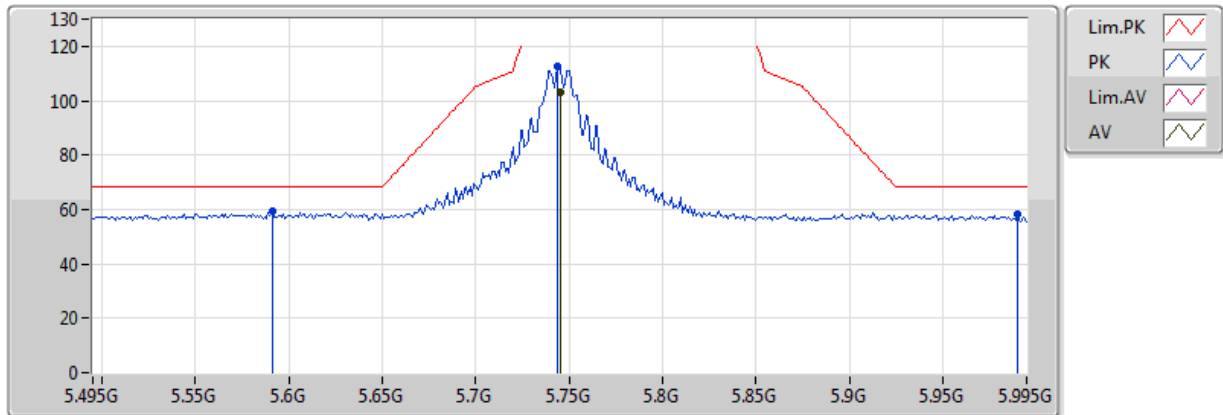


20170330
EUT_Y_4TX
Non-TXBF
Setting 26
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.746G	106.81	Inf	-Inf	6.25	3	V	86	1.68	-
PK	5.648G	60.13	68.20	-8.07	6.24	3	V	86	1.68	-
PK	5.746G	116.32	Inf	-Inf	6.25	3	V	86	1.68	-
PK	5.946G	57.87	68.20	-10.33	6.18	3	V	86	1.68	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

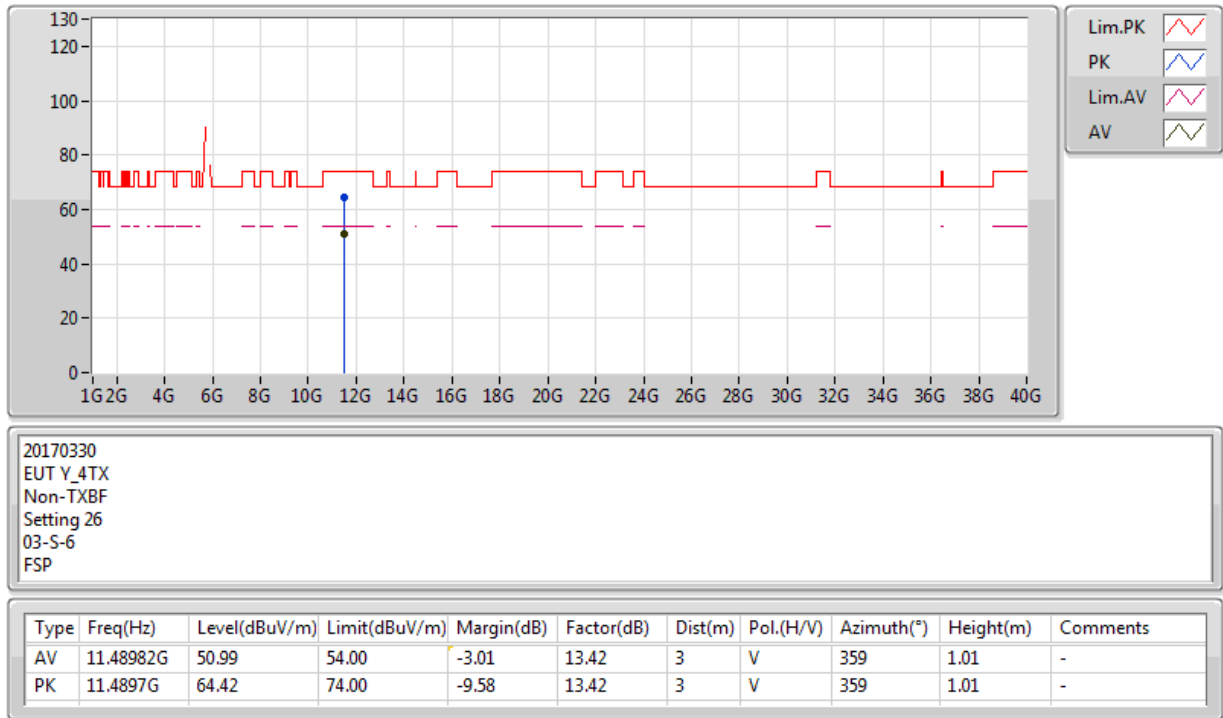


20170330
EUT_Y_4TX
Non-TXBF
Setting 26
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.745G	103.35	Inf	-Inf	6.25	3	H	254	1.76	-
PK	5.591G	59.32	68.20	-8.88	6.23	3	H	254	1.76	-
PK	5.744G	112.78	Inf	-Inf	6.25	3	H	254	1.76	-
PK	5.99G	58.11	68.20	-10.09	6.16	3	H	254	1.76	-

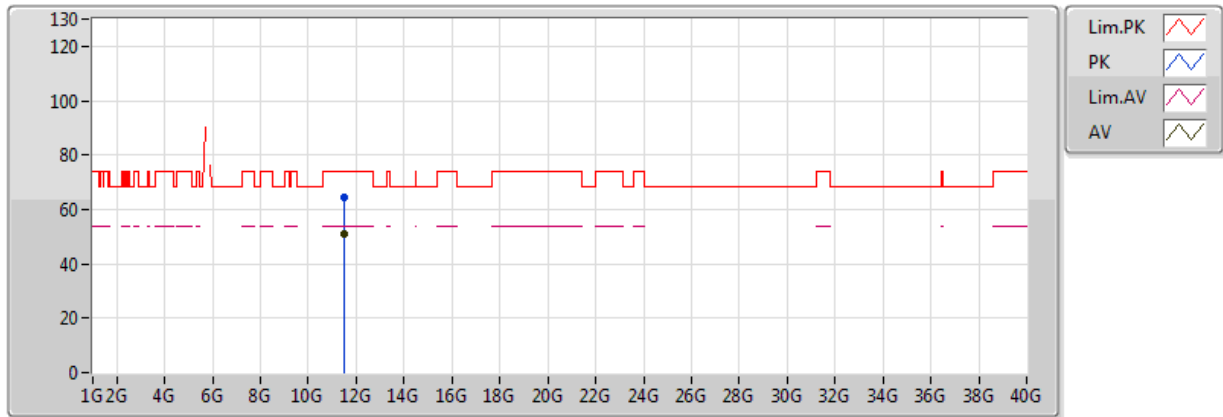
802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX



802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

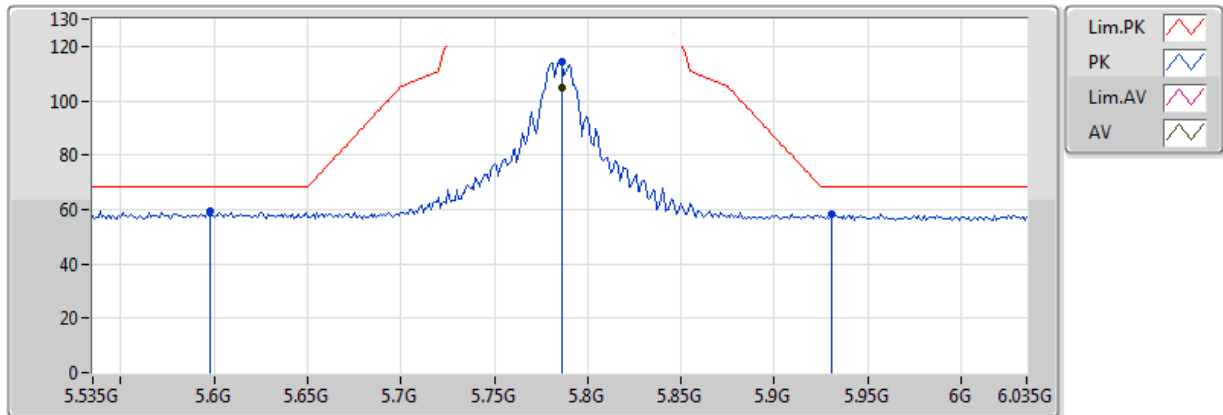


20170330
EUT_Y_4TX
Non-TXBF
Setting 26
03-S-6
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49144G	50.80	54.00	-3.20	13.42	3	H	337	1.64	-
PK	11.49144G	64.23	74.00	-9.77	13.42	3	H	337	1.64	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

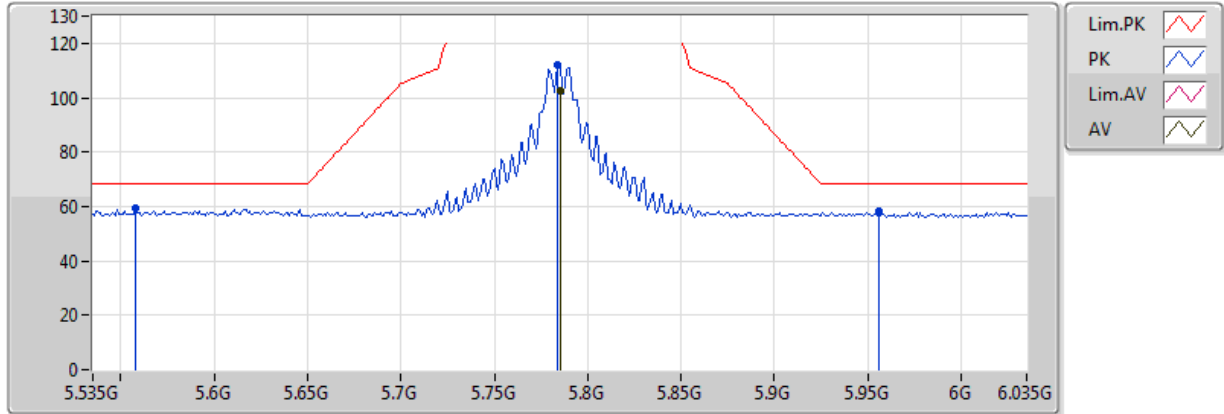


20170330
EUT_Y_4TX
Non-TXBF
Setting 1F
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.786G	104.84	Inf	-Inf	6.25	3	V	86	1.61	-
PK	5.598G	59.41	68.20	-8.79	6.24	3	V	86	1.61	-
PK	5.786G	114.24	Inf	-Inf	6.25	3	V	86	1.61	-
PK	5.931G	58.05	68.20	-10.15	6.18	3	V	86	1.61	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

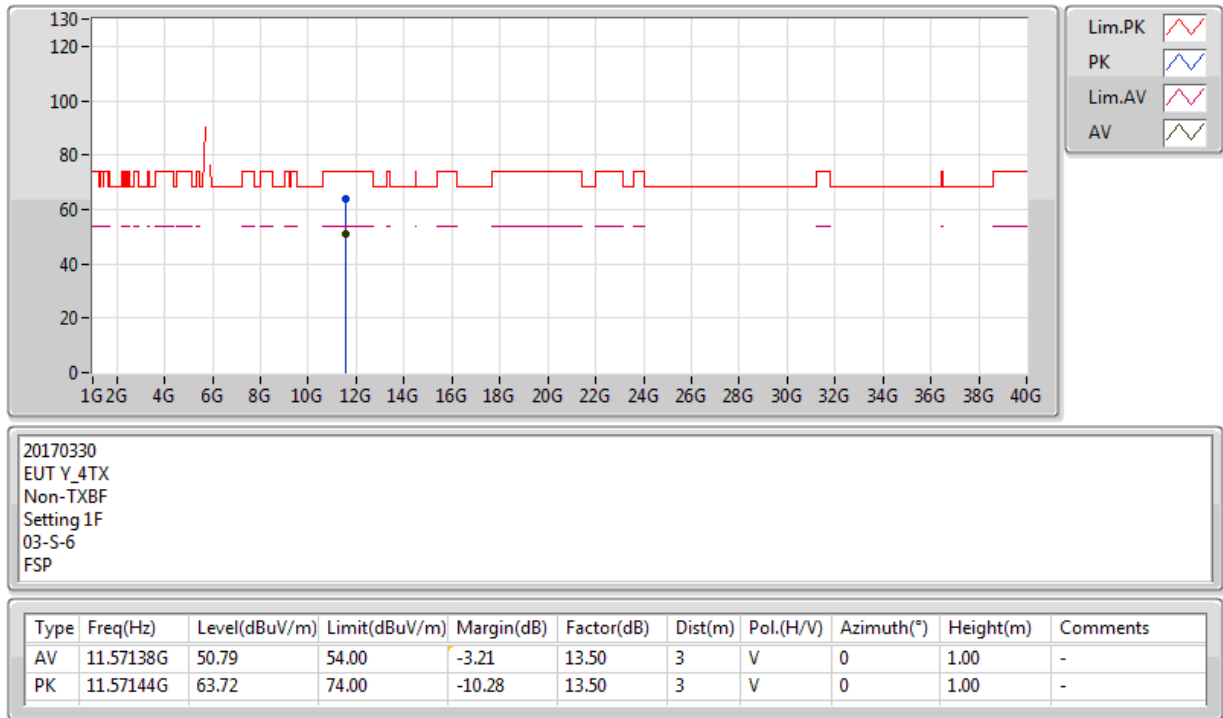


20170330
EUT_Y_4TX
Non-TXBF
Setting 1F
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.785G	102.30	Inf	-Inf	6.25	3	H	256	1.79	-
PK	5.558G	59.22	68.20	-8.98	6.21	3	H	256	1.79	-
PK	5.784G	112.05	Inf	-Inf	6.25	3	H	256	1.79	-
PK	5.956G	58.17	68.20	-10.03	6.17	3	H	256	1.79	-

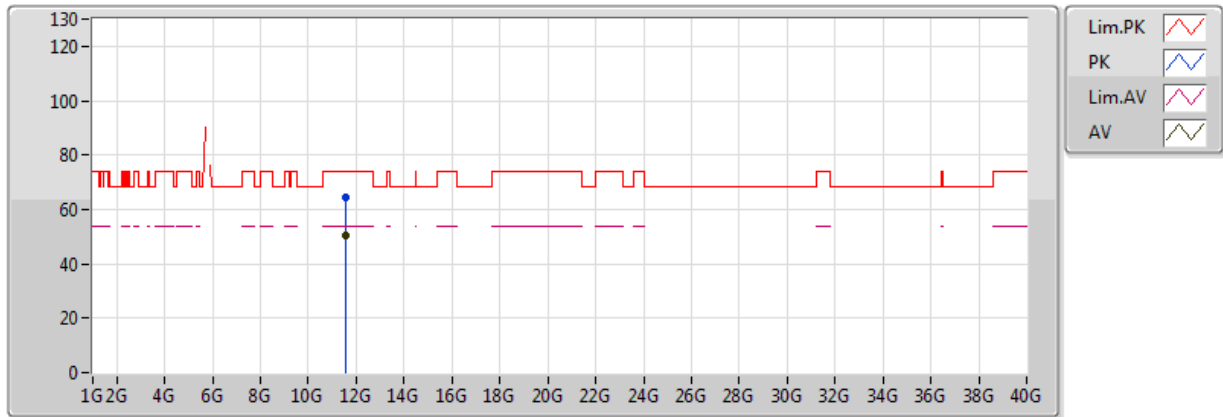
802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX



802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

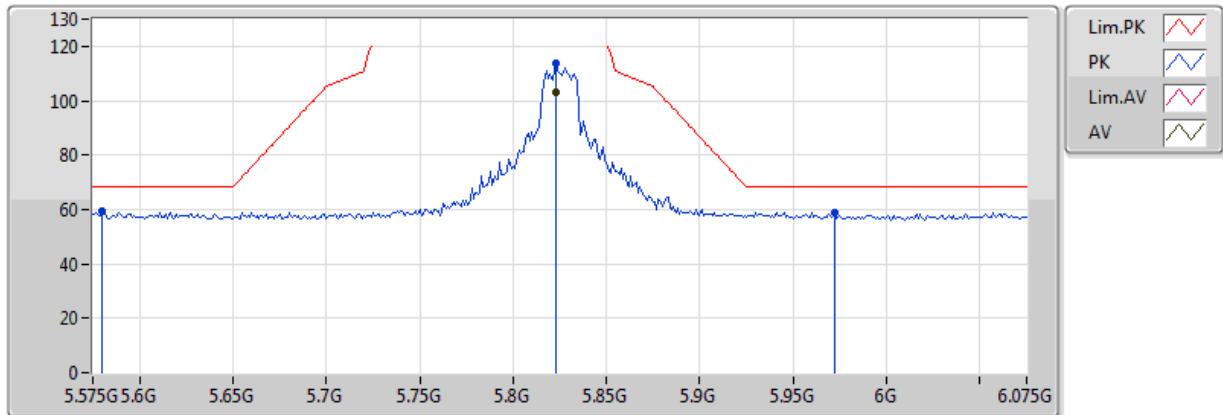


20170330
EUT_Y_4TX
Non-TXBF
Setting 1F
03-S-6
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57144G	50.56	54.00	-3.44	13.50	3	H	338	1.69	-
PK	11.57138G	64.55	74.00	-9.45	13.50	3	H	338	1.69	-

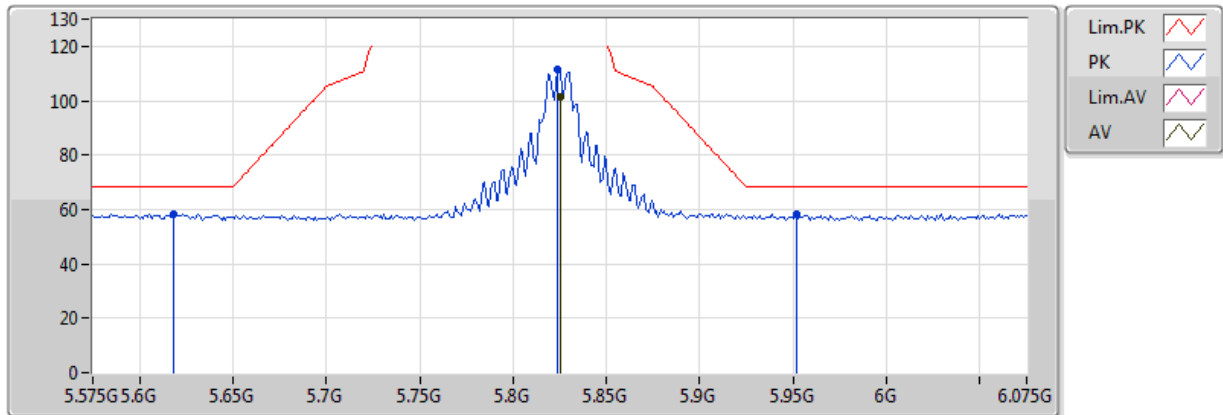
802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX



802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

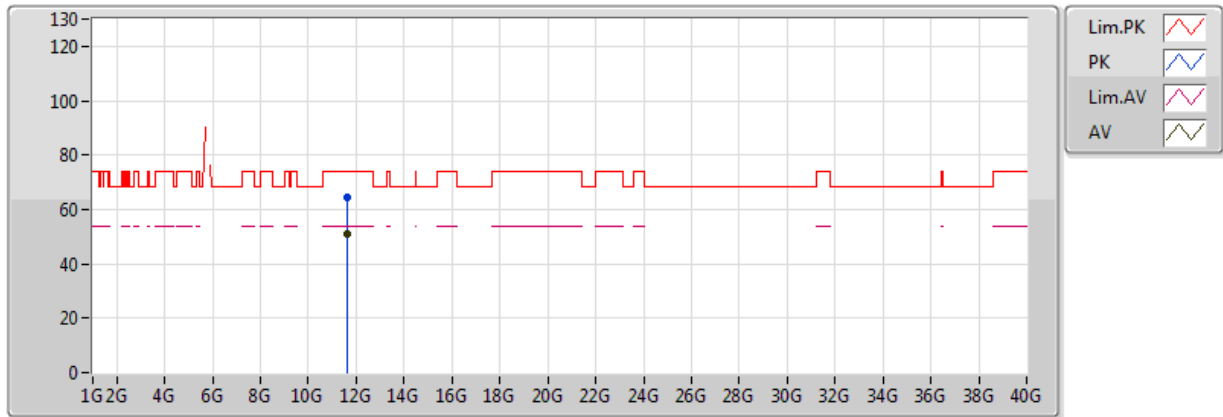


20170330
EUT_Y_4TX
Non-TXBF
Setting 1C
03-S-6-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.825G	101.55	Inf	-Inf	6.24	3	H	260	1.88	-
PK	5.618G	58.52	68.20	-9.68	6.24	3	H	260	1.88	-
PK	5.824G	111.62	Inf	-Inf	6.24	3	H	260	1.88	-
PK	5.952G	58.13	68.20	-10.07	6.17	3	H	260	1.88	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

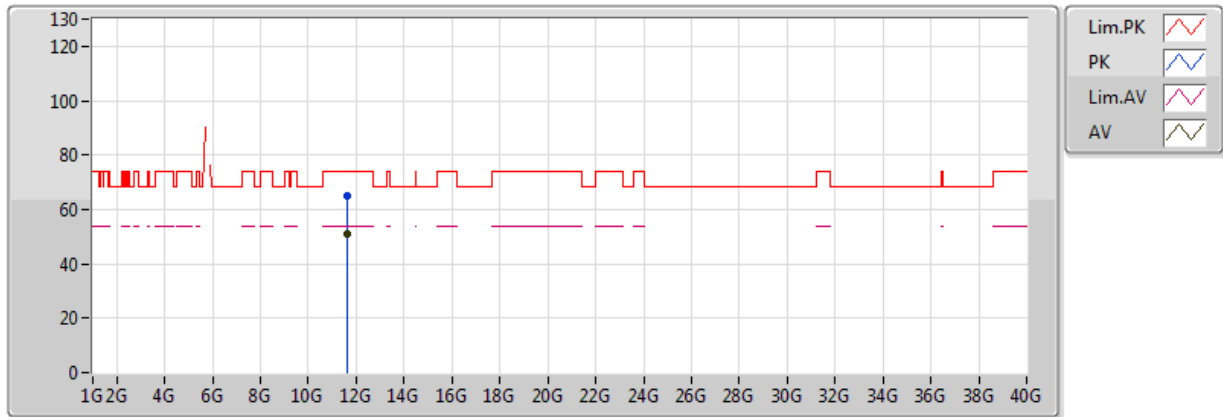


20170330
EUT_Y_4TX
Non-TXBF
Setting 1C
03-S-6
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.64634G	50.95	54.00	-3.05	13.58	3	V	359	1.00	-
PK	11.65138G	64.57	74.00	-9.43	13.58	3	V	359	1.00	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

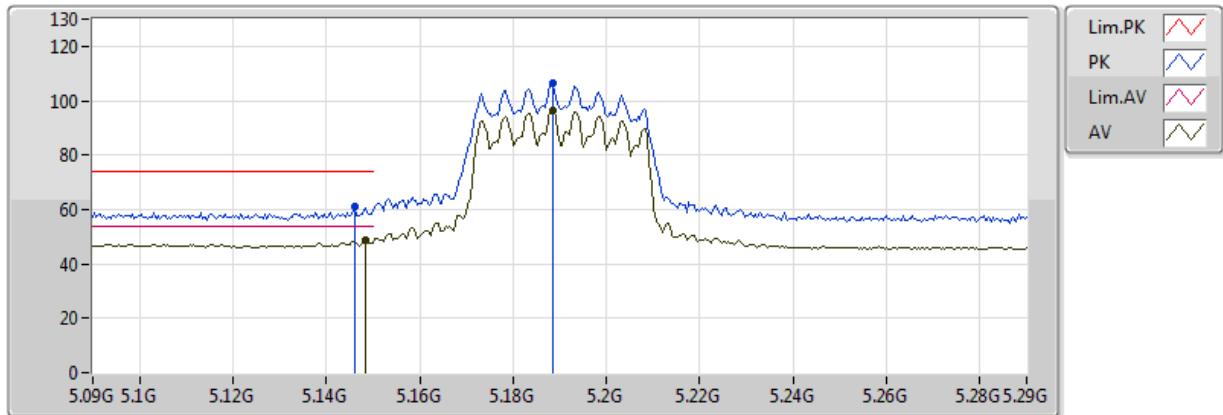


20170330
EUT_Y_4TX
Non-TXBF
Setting 1C
03-S-6
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65144G	50.72	54.00	-3.28	13.58	3	H	338	1.63	-
PK	11.65138G	65.21	74.00	-8.79	13.58	3	H	338	1.63	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

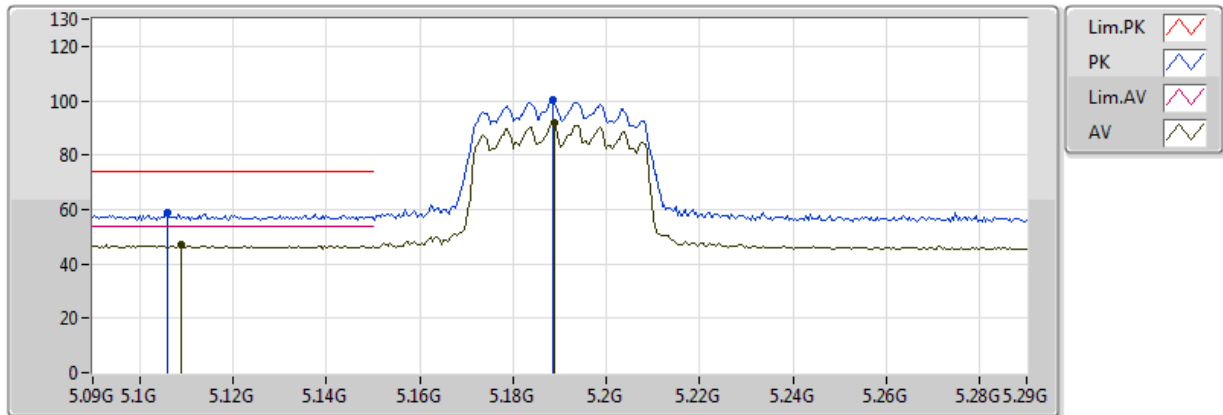


20170331
EUT_Y_4TX
Non-TXBF
Setting 0E
03-J-5-10
FSP

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	48.81	54.00	-5.19	5.44	3	V	0	2.26	-
AV	5.1884G	96.57	Inf	-Inf	5.53	3	V	0	2.26	-
PK	5.146G	60.95	74.00	-13.05	5.44	3	V	0	2.26	-
PK	5.1884G	106.28	Inf	-Inf	5.53	3	V	0	2.26	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

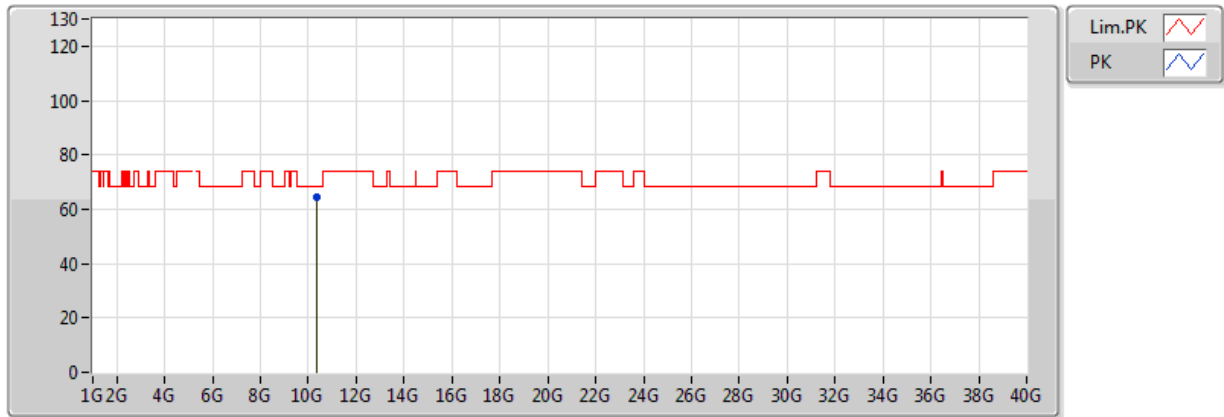


20170331
EUT_Y_4TX
Non-TXBF
Setting 0E
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1088G	46.84	54.00	-7.16	5.36	3	H	159	1.97	-
AV	5.1888G	91.92	Inf	-Inf	5.53	3	H	159	1.97	-
PK	5.106G	58.87	74.00	-15.13	5.35	3	H	159	1.97	-
PK	5.1884G	100.18	Inf	-Inf	5.53	3	H	159	1.97	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

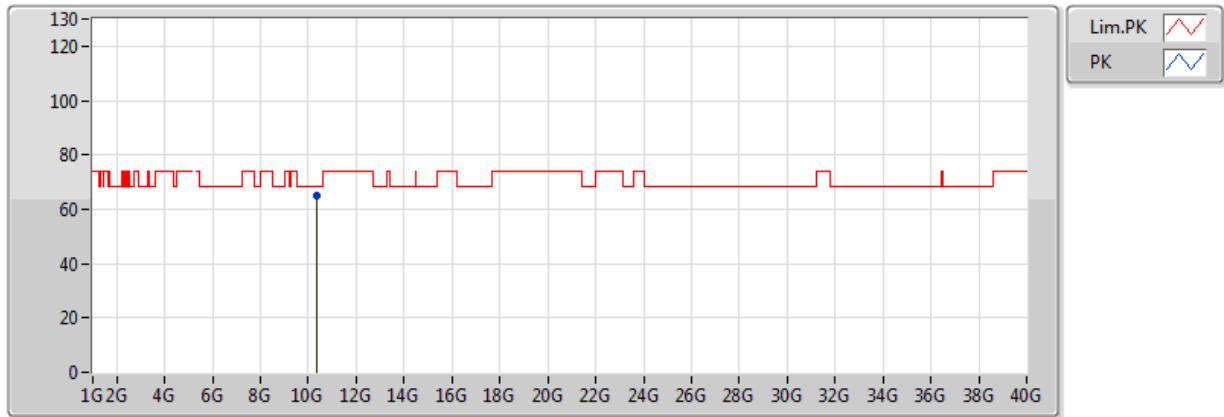


20170331
EUT_Y_4TX
Non-TXBF
Setting 0E
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.3815G	64.71	68.20	-3.49	12.34	3	V	167	1.60	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

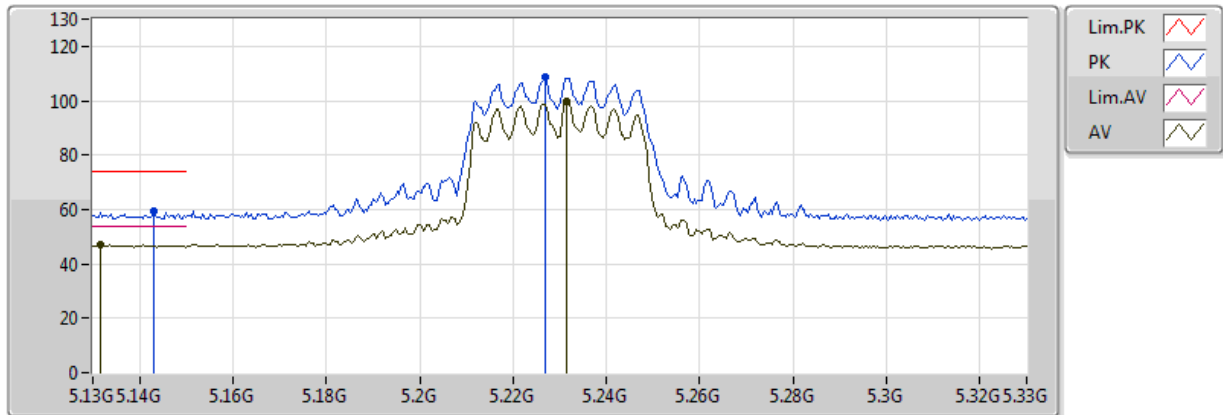


20170331
EUT_Y_4TX
Non-TXBF
Setting 0E
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.3815G	64.99	68.20	-3.21	12.34	3	H	186	2.12	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

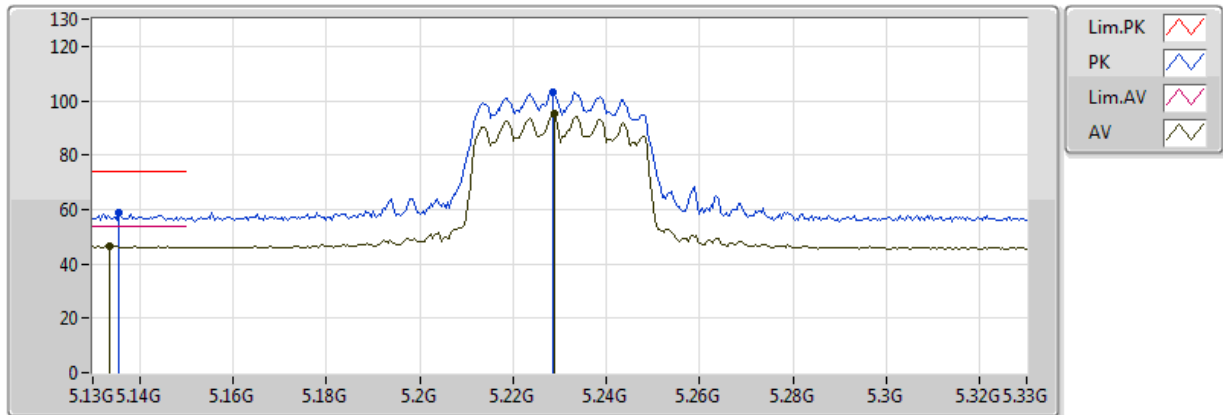


20170331
EUT_Y_4TX
Non-TXBF
Setting 11
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1316G	46.94	54.00	-7.06	5.41	3	V	216	2.06	-
AV	5.2316G	99.95	Inf	-Inf	5.61	3	V	216	2.06	-
PK	5.1432G	59.49	74.00	-14.51	5.43	3	V	216	2.06	-
PK	5.2268G	108.45	Inf	-Inf	5.60	3	V	216	2.06	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

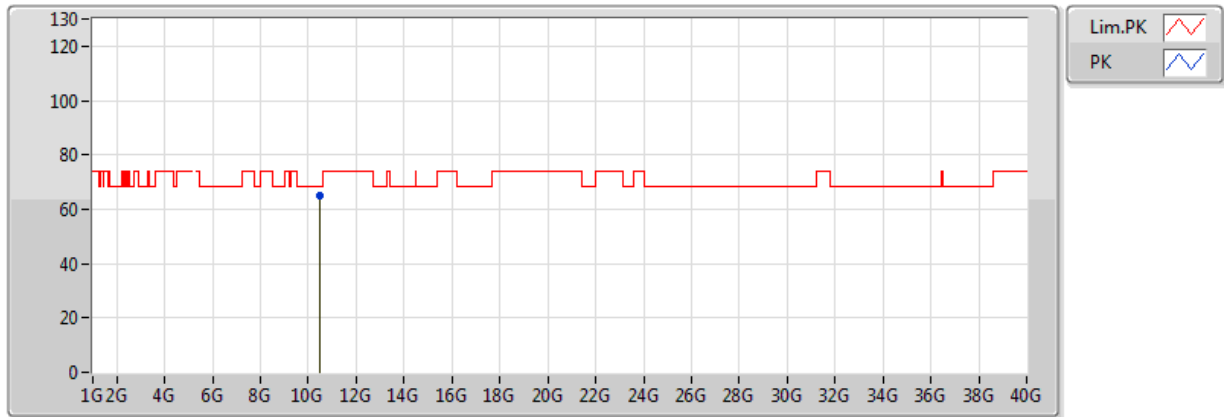


20170331
EUT_Y_4TX
Non-TXBF
Setting 11
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1336G	46.59	54.00	-7.41	5.41	3	H	160	2.02	-
AV	5.2288G	95.02	Inf	-Inf	5.60	3	H	160	2.02	-
PK	5.1356G	58.86	74.00	-15.14	5.41	3	H	160	2.02	-
PK	5.2284G	103.37	Inf	-Inf	5.60	3	H	160	2.02	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

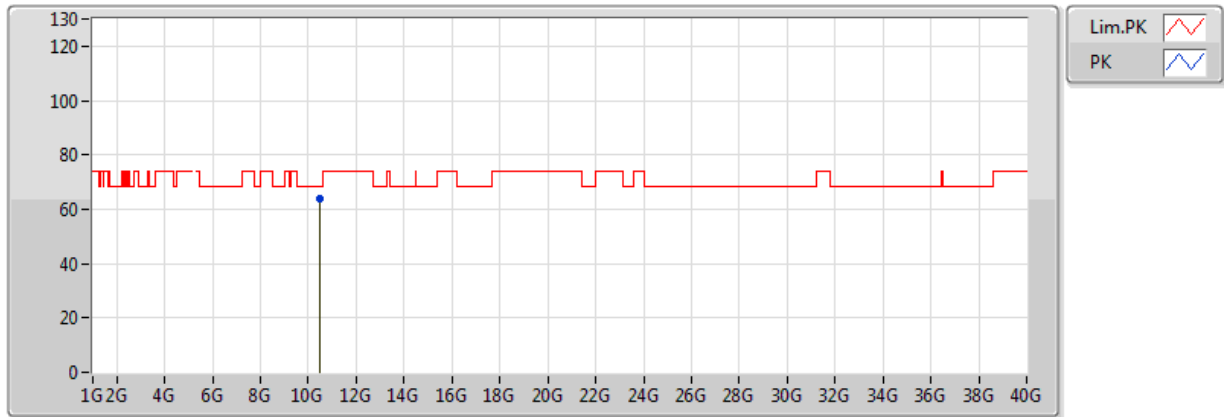


20170331
EUT_Y_4TX
Non-TXBF
Setting 11
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.46152G	65.10	68.20	-3.10	12.41	3	V	167	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

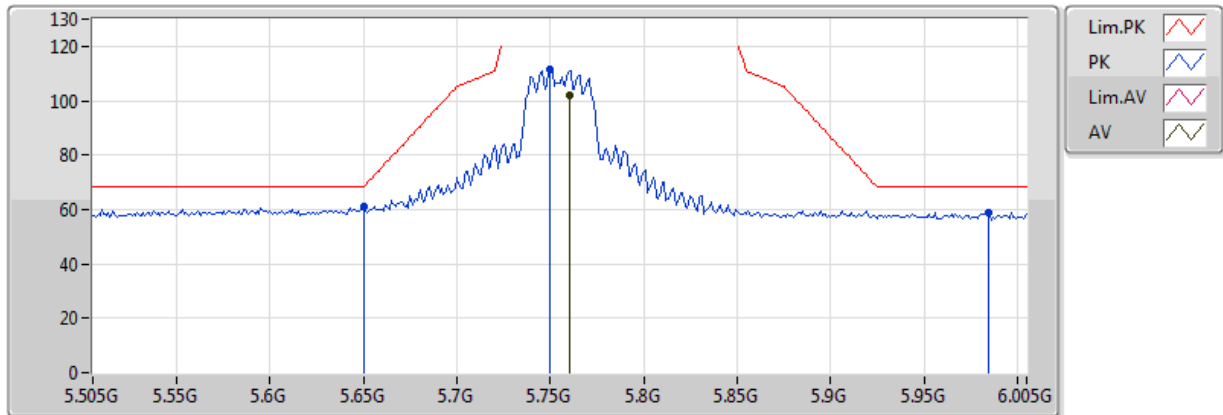


20170331
EUT_Y_4TX
Non-TXBF
Setting 11
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.45672G	63.73	68.20	-4.47	12.41	3	H	181	1.82	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

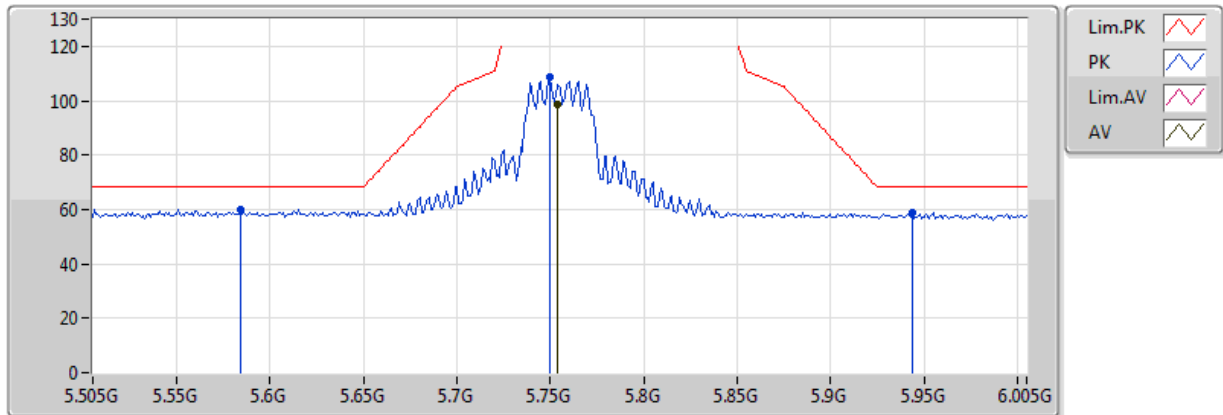


20170331
EUT_Y_4TX
Non-TXBF
Setting 1A
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.76G	102.21	Inf	-Inf	6.25	3	V	78	1.75	-
PK	5.65G	61.23	68.20	-6.97	6.24	3	V	78	1.75	-
PK	5.75G	111.45	Inf	-Inf	6.25	3	V	78	1.75	-
PK	5.985G	58.73	68.20	-9.47	6.16	3	V	78	1.75	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

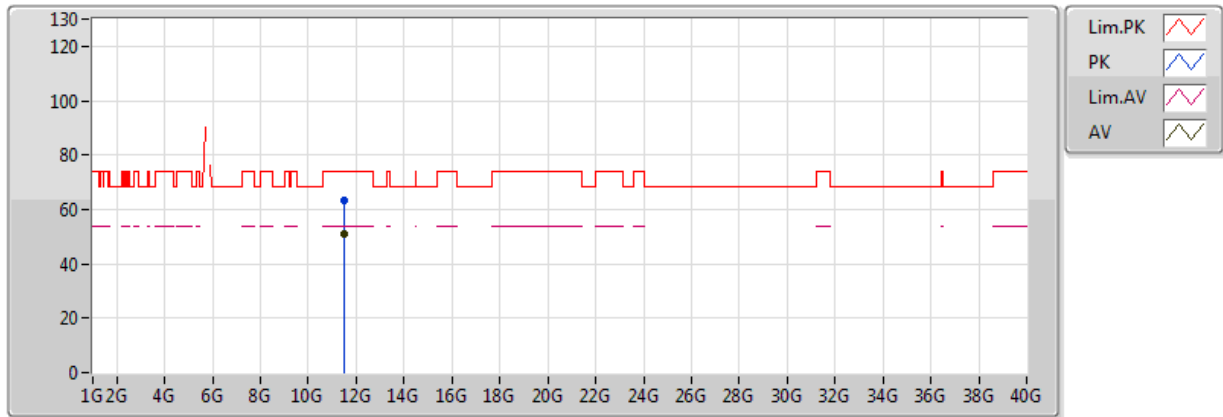


20170331
EUT_Y_4TX
Non-TXBF
Setting 1A
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.754G	98.57	Inf	-Inf	6.25	3	H	250	1.87	-
PK	5.584G	60.17	68.20	-8.03	6.23	3	H	250	1.87	-
PK	5.75G	108.54	Inf	-Inf	6.25	3	H	250	1.87	-
PK	5.944G	58.82	68.20	-9.38	6.18	3	H	250	1.87	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

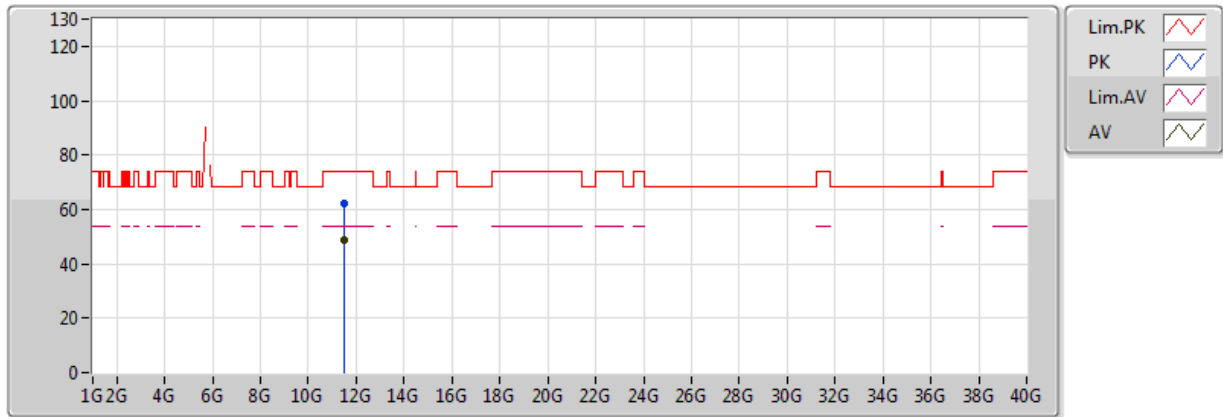


20170331
EUT_Y_4TX
Non-TXBF
Setting 1A
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5112G	50.76	54.00	-3.24	13.44	3	V	147	1.83	-
PK	11.51126G	63.32	74.00	-10.68	13.44	3	V	147	1.83	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

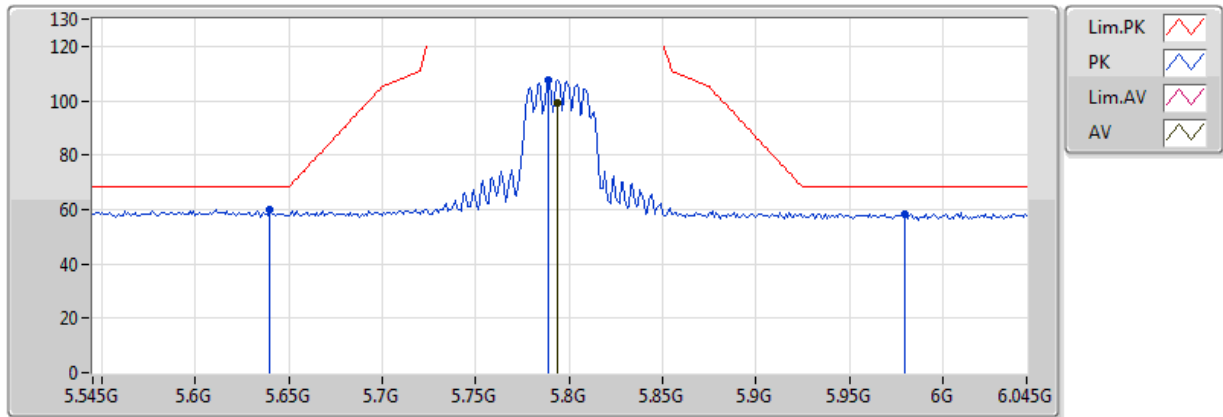


20170331
EUT_Y_4TX
Non-TXBF
Setting 1A
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.50958G	48.89	54.00	-5.11	13.44	3	H	77	1.61	-
PK	11.50628G	62.01	74.00	-11.99	13.44	3	H	77	1.61	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

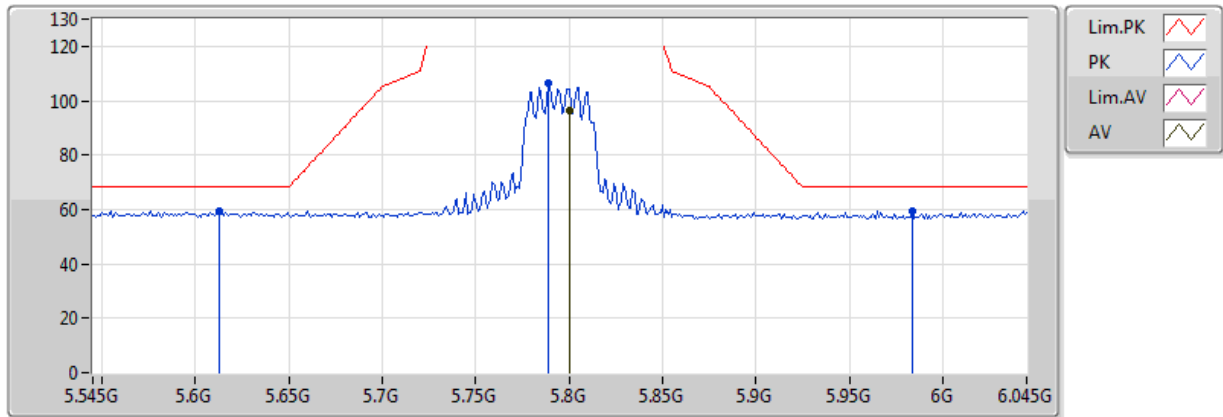


20170331
EUT_Y_4TX
Non-TXBF
Setting 15
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.794G	99.24	Inf	-Inf	6.25	3	V	118	1.83	-
PK	5.64G	60.00	68.20	-8.20	6.24	3	V	118	1.83	-
PK	5.789G	107.83	Inf	-Inf	6.25	3	V	118	1.83	-
PK	5.98G	58.43	68.20	-9.77	6.16	3	V	118	1.83	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

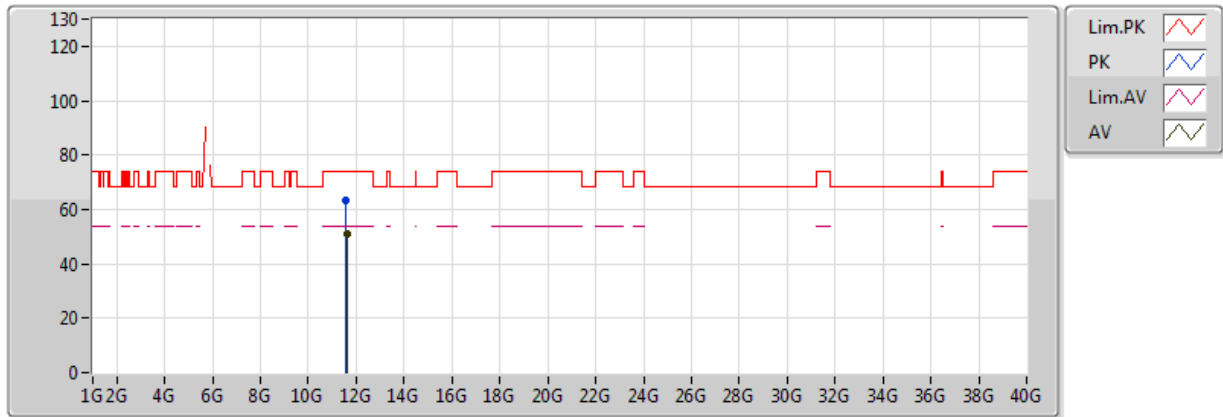


20170331
EUT_Y_4TX
Non-TXBF
Setting 15
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8G	96.34	Inf	-Inf	6.25	3	H	250	1.71	-
PK	5.613G	59.21	68.20	-8.99	6.24	3	H	250	1.71	-
PK	5.789G	106.32	Inf	-Inf	6.25	3	H	250	1.71	-
PK	5.984G	59.38	68.20	-8.82	6.16	3	H	250	1.71	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

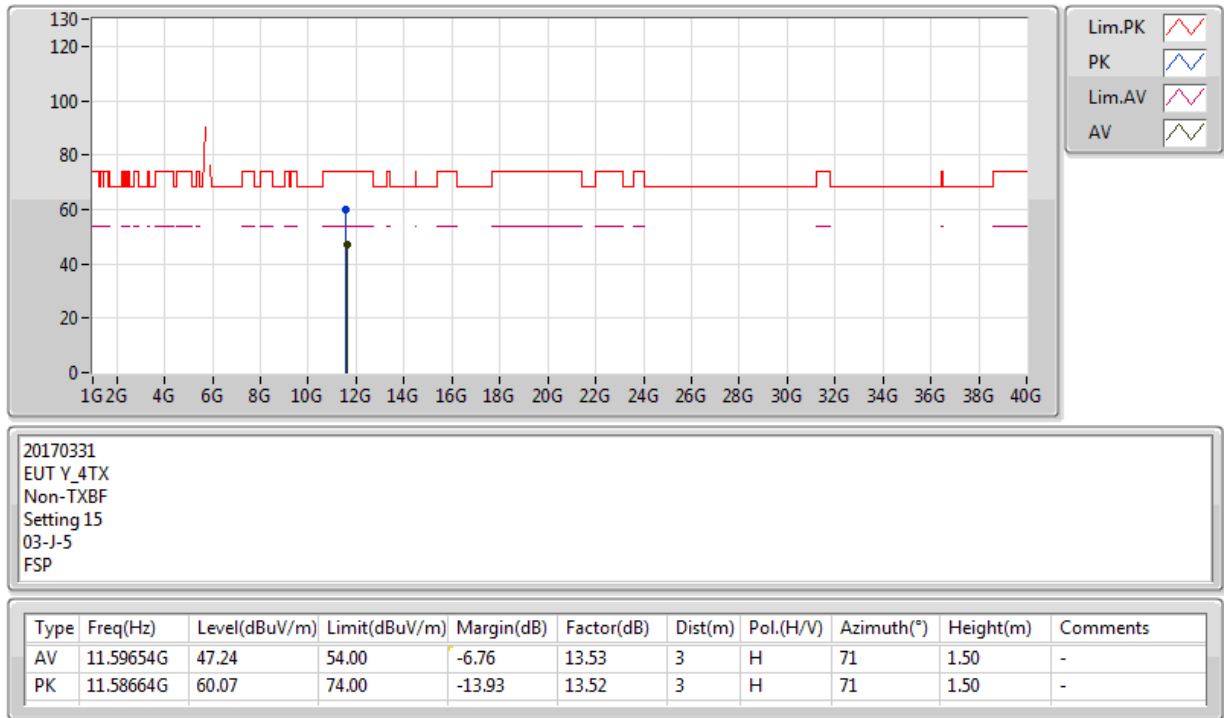


20170331
EUT_Y_4TX
Non-TXBF
Setting 15
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59696G	50.89	54.00	-3.11	13.53	3	V	159	2.39	-
PK	11.5867G	63.25	74.00	-10.75	13.52	3	V	159	2.39	-

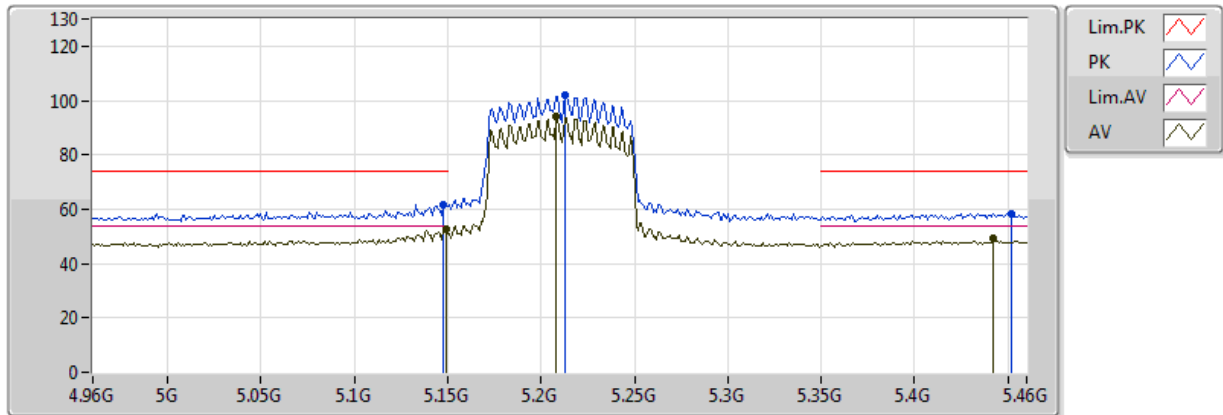
802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

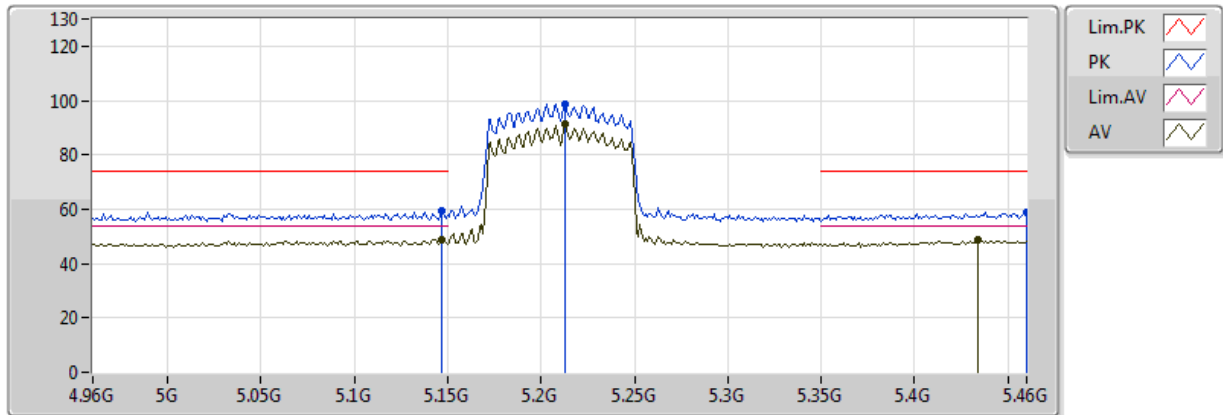


20170331
EUT Y_4TX
Non-TXBF
Setting 0F
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	52.79	54.00	-1.21	5.44	3	V	177	2.00	-
AV	5.208G	93.94	Inf	-Inf	5.57	3	V	177	2.00	-
AV	5.442G	49.07	54.00	-4.93	6.02	3	V	177	2.00	-
PK	5.148G	61.85	74.00	-12.15	5.44	3	V	177	2.00	-
PK	5.213G	102.06	Inf	-Inf	5.57	3	V	177	2.00	-
PK	5.452G	58.29	74.00	-15.71	6.04	3	V	177	2.00	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

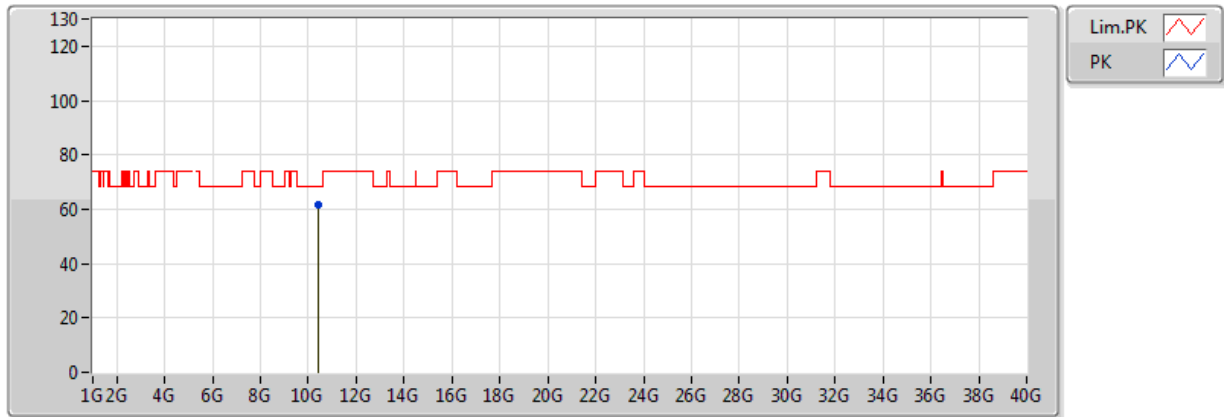


20170331
EUT Y_4TX
Non-TXBF
Setting 0F
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.147G	48.90	54.00	-5.10	5.44	3	H	150	2.29	-
AV	5.213G	91.11	Inf	-Inf	5.57	3	H	150	2.29	-
AV	5.434G	48.47	54.00	-5.53	6.00	3	H	150	2.29	-
PK	5.147G	59.24	74.00	-14.76	5.44	3	H	150	2.29	-
PK	5.213G	98.46	Inf	-Inf	5.57	3	H	150	2.29	-
PK	5.46G	58.91	74.00	-15.09	6.06	3	H	150	2.29	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

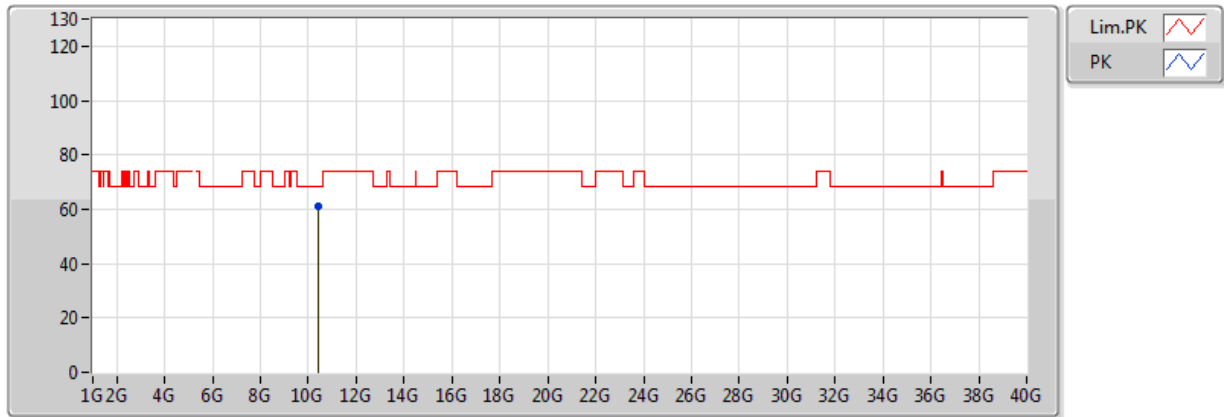


20170331
EUT_Y_4TX
Non-TXBF
Setting 0F
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.41346G	61.82	68.20	-6.38	12.37	3	V	169	1.57	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

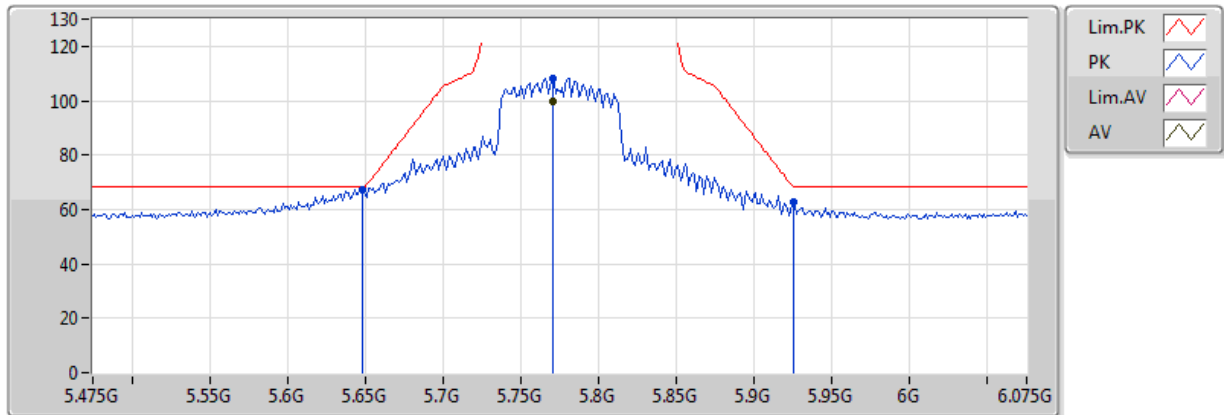


20170331
EUT_Y_4TX
Non-TXBF
Setting 0F
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.42156G	60.98	68.20	-7.22	12.38	3	H	182	1.82	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

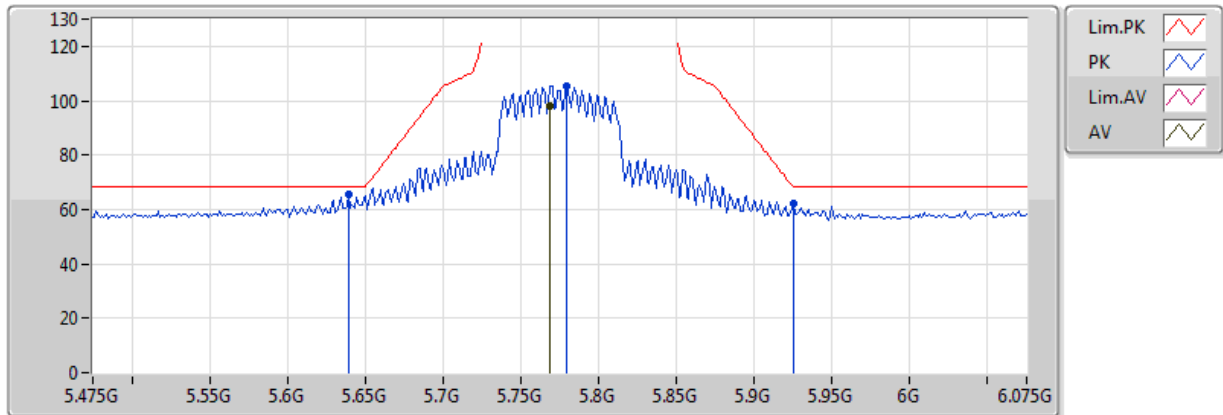


20170331
EUT_Y_4TX
Non-TXBF
Setting 1B
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7702G	99.97	Inf	-Inf	6.25	3	V	77	1.70	-
PK	5.6478G	67.12	68.20	-1.08	6.24	3	V	77	1.70	-
PK	5.7702G	108.18	Inf	-Inf	6.25	3	V	77	1.70	-
PK	5.925G	62.75	68.20	-5.45	6.19	3	V	77	1.70	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

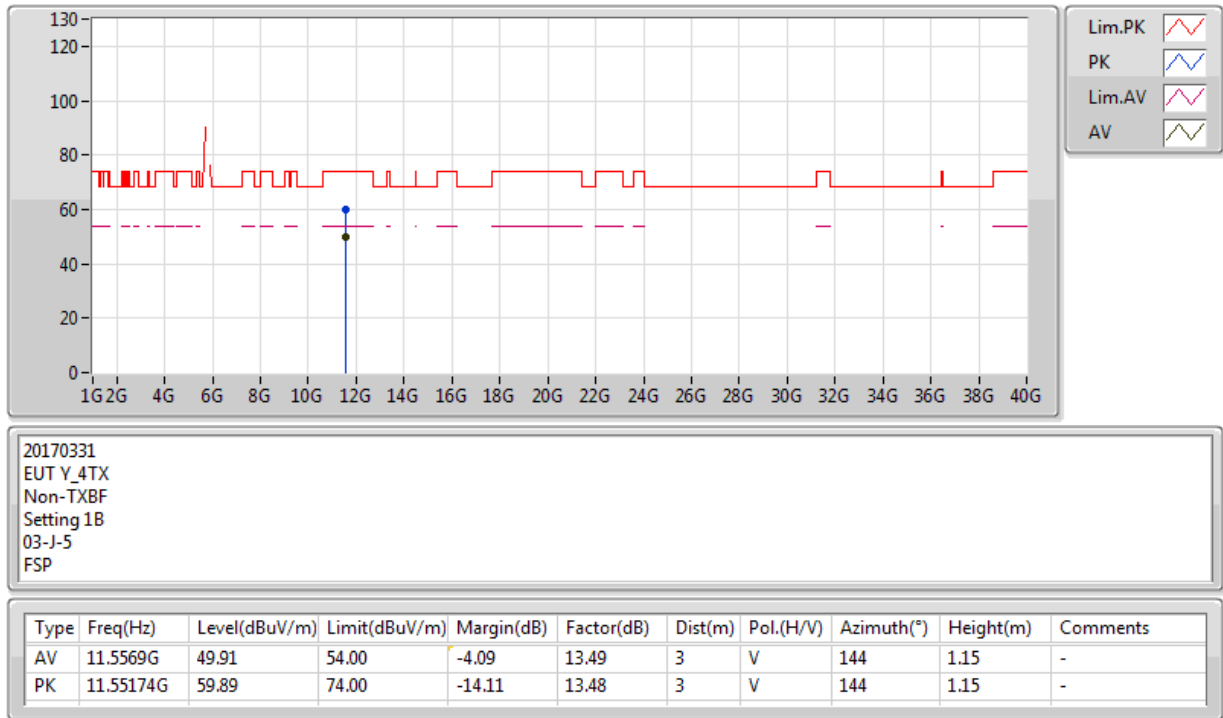


20170331
EUT_Y_4TX
Non-TXBF
Setting 1B
03-J-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.769G	97.83	Inf	-Inf	6.25	3	H	250	1.77	-
PK	5.6394G	65.84	68.20	-2.36	6.24	3	H	250	1.77	-
PK	5.7798G	105.34	Inf	-Inf	6.25	3	H	250	1.77	-
PK	5.925G	62.06	68.20	-6.14	6.19	3	H	250	1.77	-

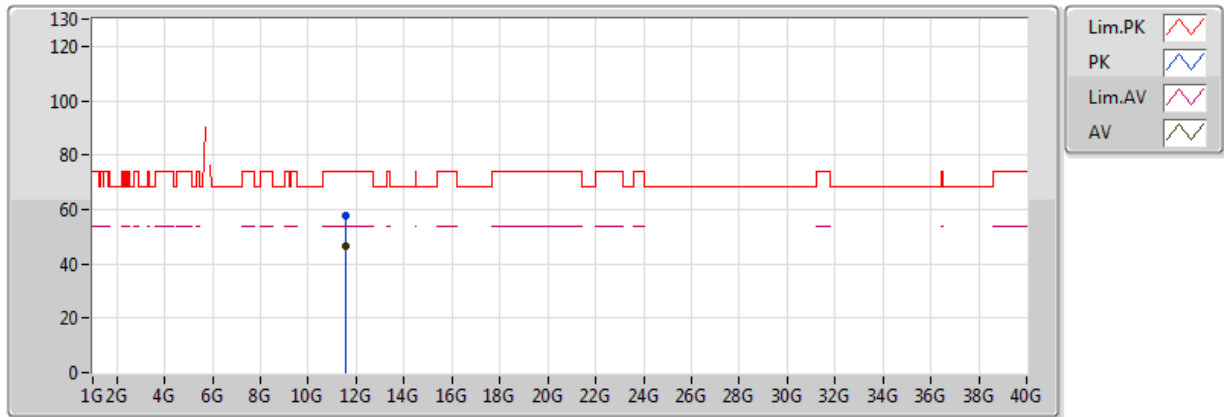
802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX



802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

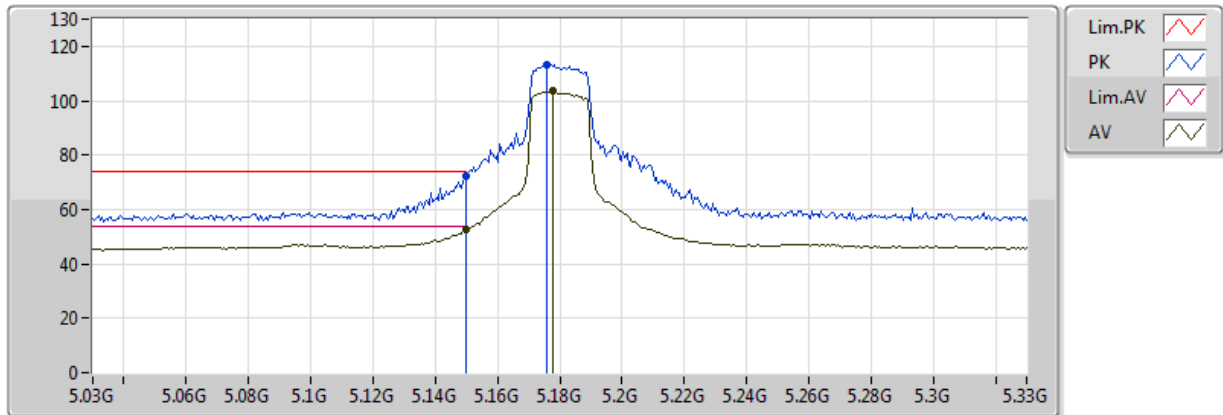


20170331
EUT_Y_4TX
Non-TXBF
Setting 1B
03-J-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.54472G	46.76	54.00	-7.24	13.48	3	H	11	1.50	-
PK	11.55786G	57.47	74.00	-16.53	13.49	3	H	11	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

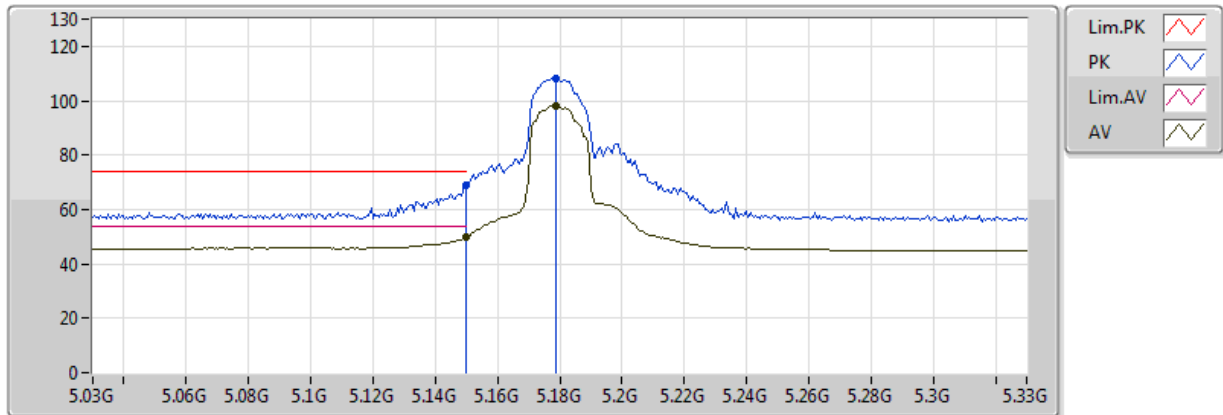


20170323
EUT_Y_4TX
TXBF
Setting 27
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.42	54.00	-1.58	5.44	3	V	274	1.73	-
AV	5.1776G	103.89	Inf	-Inf	5.50	3	V	274	1.73	-
PK	5.149995G	72.40	74.00	-1.60	5.44	3	V	274	1.73	-
PK	5.1758G	113.43	Inf	-Inf	5.50	3	V	274	1.73	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

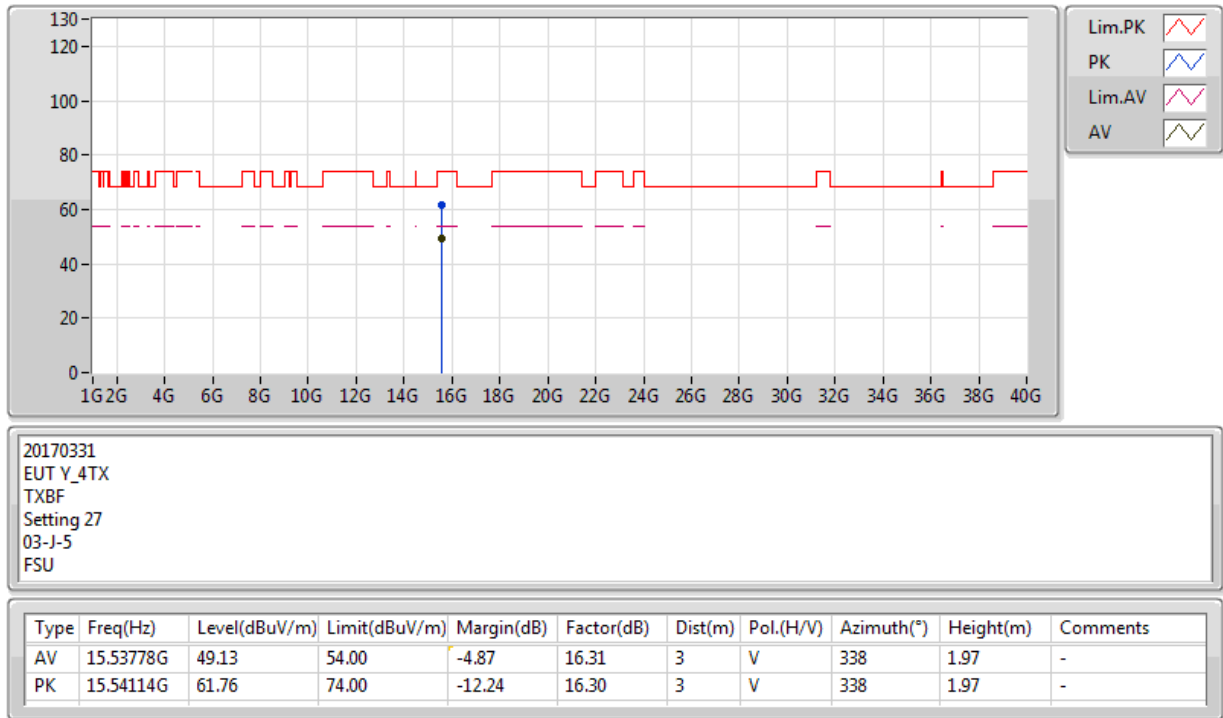


20170331
EUT_Y_4TX
TXBF
Setting 27
03-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	50.14	54.00	-3.86	5.44	3	H	121	1.88	-
AV	5.1788G	98.14	Inf	-Inf	5.51	3	H	121	1.88	-
PK	5.149995G	68.73	74.00	-5.27	5.44	3	H	121	1.88	-
PK	5.1788G	108.17	Inf	-Inf	5.51	3	H	121	1.88	-

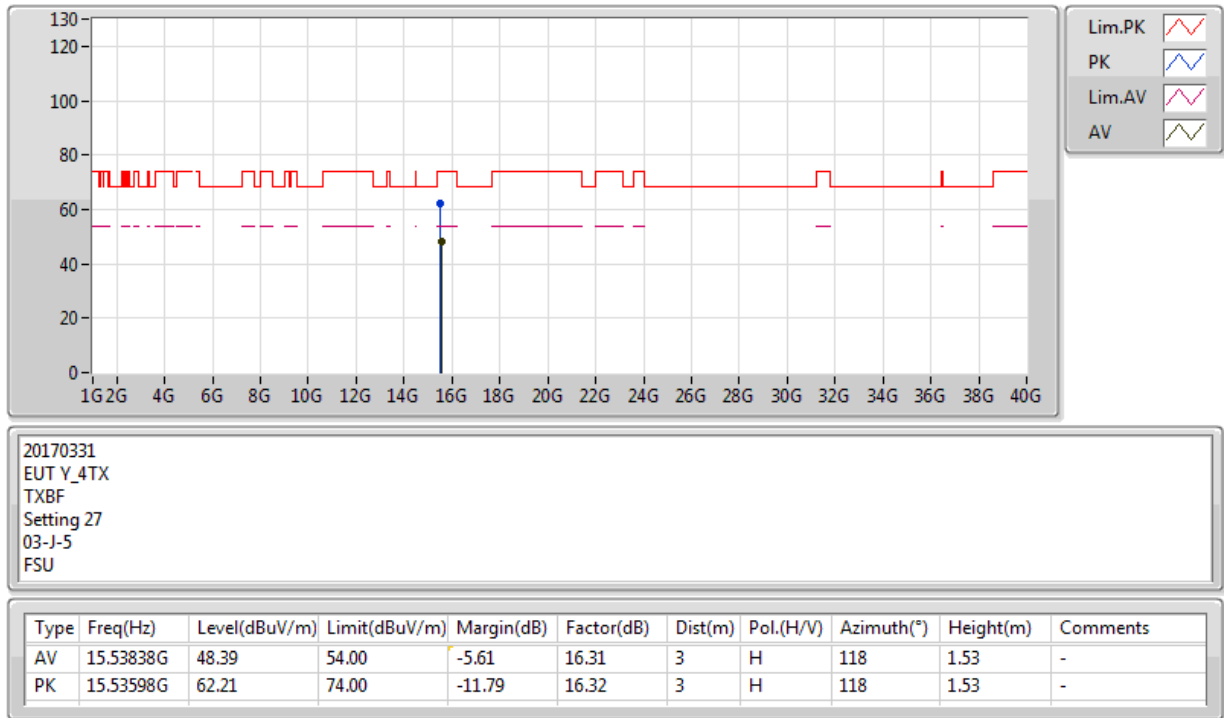
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX



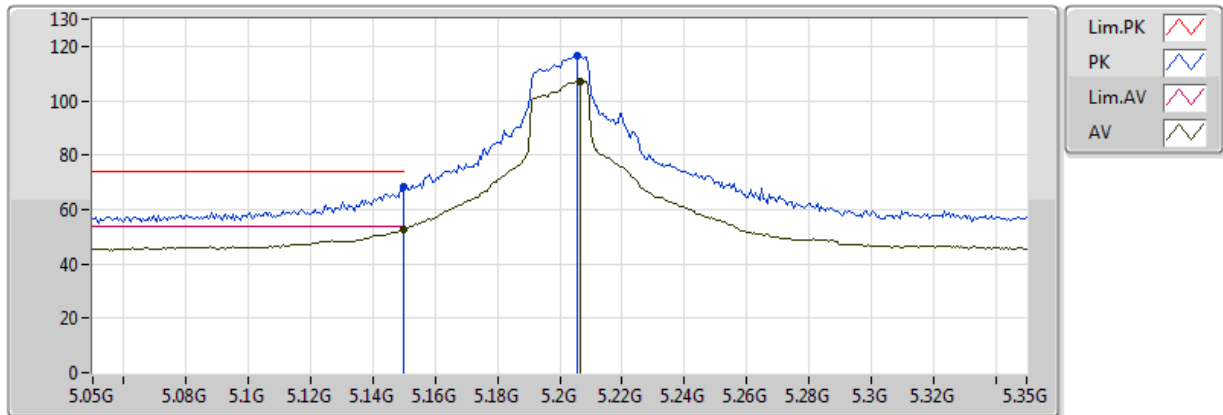
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

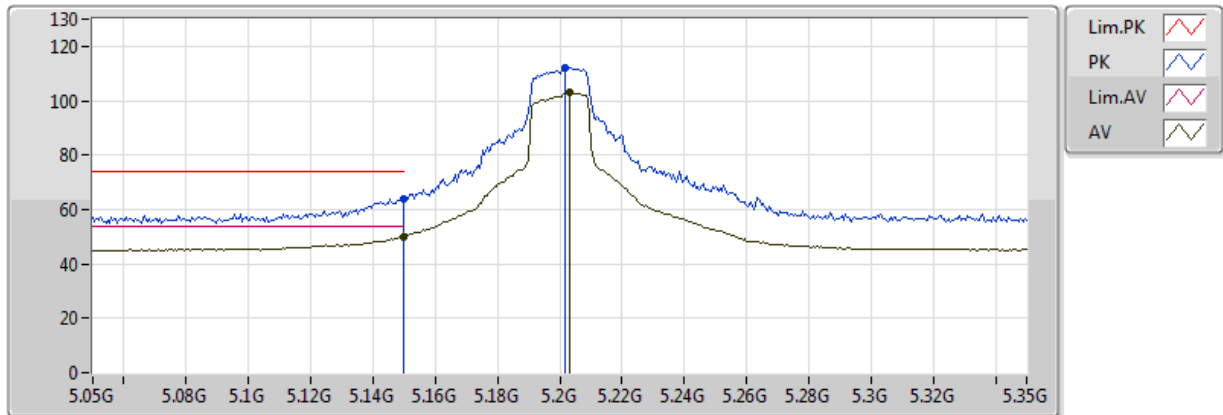


20170323
EUT_Y_4TX
TXBF
Setting: 38
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.90	54.00	-1.10	5.44	3	V	82	1.48	-
AV	5.2066G	107.11	Inf	-Inf	5.56	3	V	82	1.48	-
PK	5.149995G	68.56	74.00	-5.44	5.44	3	V	82	1.48	-
PK	5.2054G	116.42	Inf	-Inf	5.56	3	V	82	1.48	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

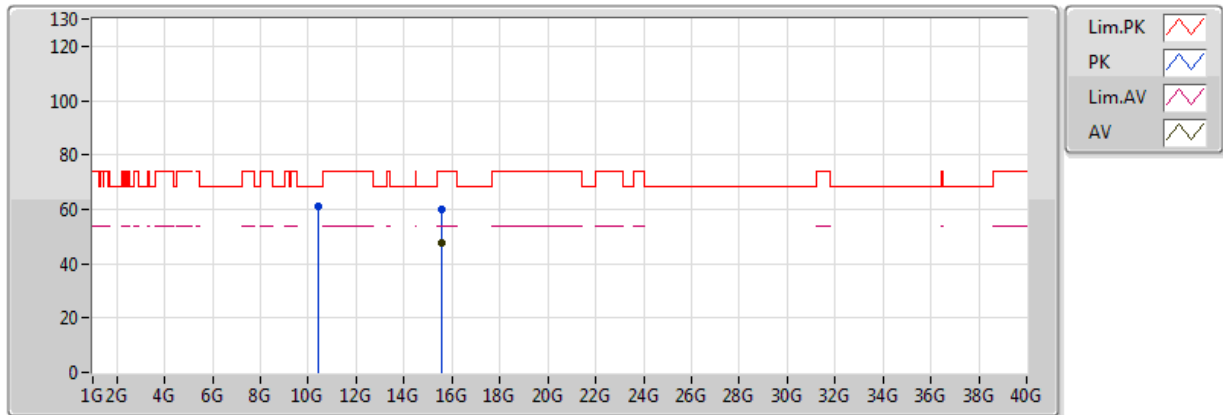


20170323
EUT_Y_4TX
TXBF
Setting 38
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	49.98	54.00	-4.02	5.44	3	H	252	1.97	-
AV	5.203G	102.99	Inf	-Inf	5.56	3	H	252	1.97	-
PK	5.149995G	64.01	74.00	-9.99	5.44	3	H	252	1.97	-
PK	5.2018G	112.11	Inf	-Inf	5.55	3	H	252	1.97	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

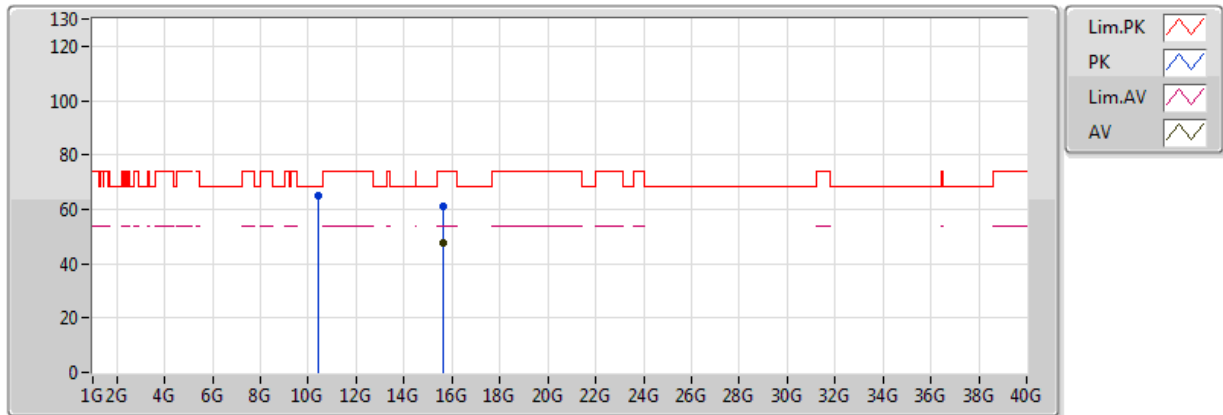


20170323
EUT_Y_4TX
TXBF
Setting 38
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6G	47.82	54.00	-6.18	16.11	3	V	1	1.50	-
PK	10.411G	60.84	68.20	-7.36	12.37	3	V	152	1.70	-
PK	15.5988G	60.20	74.00	-13.80	16.11	3	V	1	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

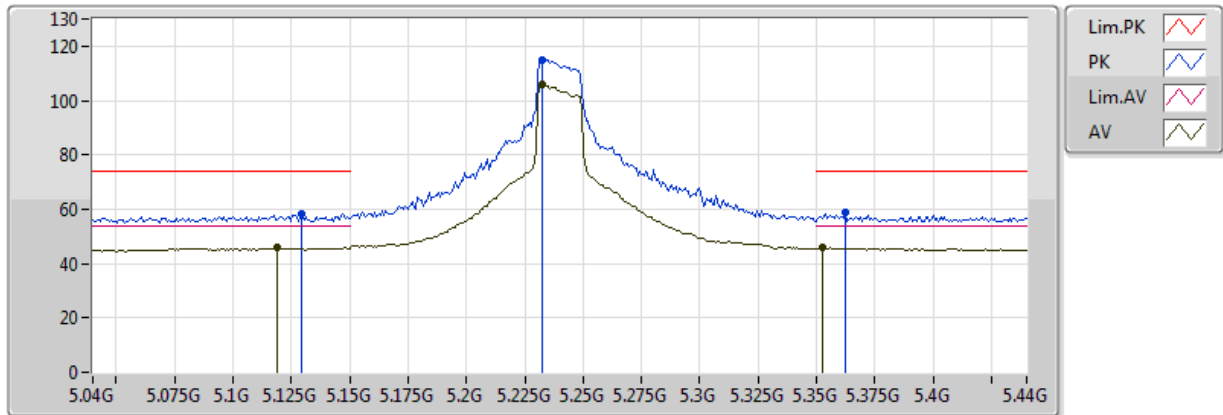


20170323
EUT_Y_4TX
TXBF
Setting 38
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.603G	47.69	54.00	-6.31	16.10	3	H	5	1.86	-
PK	10.4024G	65.02	68.20	-3.18	12.36	3	H	250	1.73	-
PK	15.6024G	60.98	74.00	-13.02	16.10	3	H	5	1.86	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

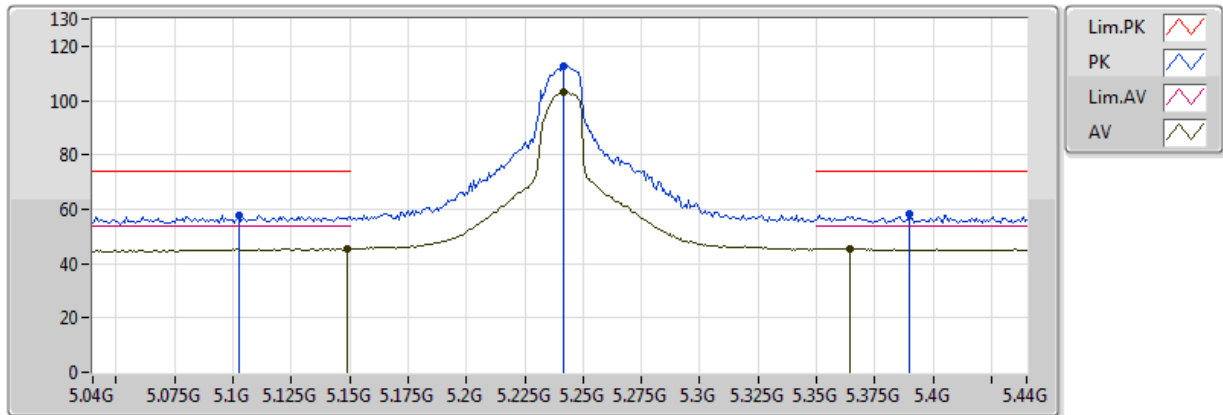


20170323
EUT Y_4TX
TXBF
Setting: 32
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1192G	45.72	54.00	-8.28	5.38	3	V	268	1.83	-
AV	5.2328G	106.07	Inf	-Inf	5.61	3	V	268	1.83	-
AV	5.3528G	45.73	54.00	-8.27	5.83	3	V	268	1.83	-
PK	5.1296G	58.17	74.00	-15.83	5.40	3	V	268	1.83	-
PK	5.2328G	115.13	Inf	-Inf	5.61	3	V	268	1.83	-
PK	5.3624G	58.84	74.00	-15.16	5.85	3	V	268	1.83	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

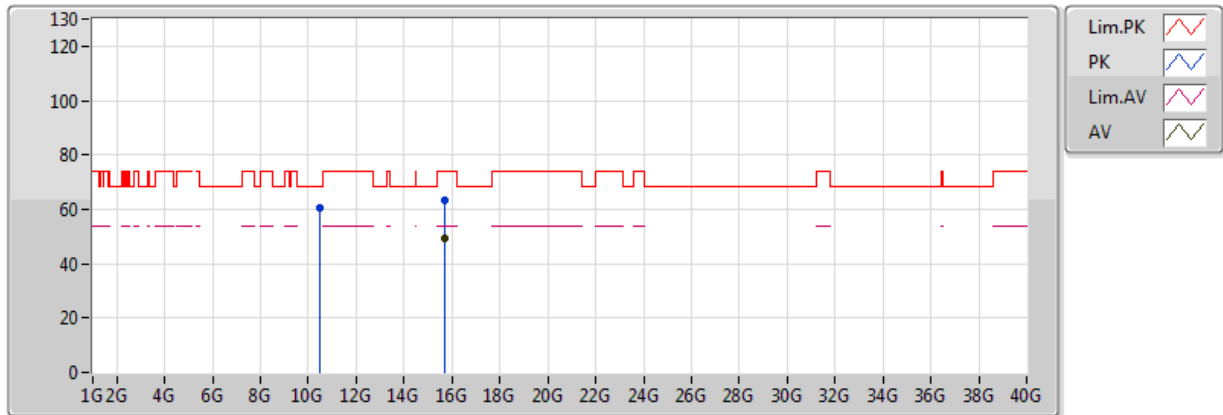


20170323
EUT Y_4TX
TXBF
Setting 32
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	45.41	54.00	-8.59	5.44	3	H	176	2.91	-
AV	5.2416G	103.37	Inf	-Inf	5.63	3	H	176	2.91	-
AV	5.364G	45.50	54.00	-8.50	5.85	3	H	176	2.91	-
PK	5.1024G	57.84	74.00	-16.16	5.35	3	H	176	2.91	-
PK	5.2416G	112.85	Inf	-Inf	5.63	3	H	176	2.91	-
PK	5.3896G	58.15	74.00	-15.85	5.89	3	H	176	2.91	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

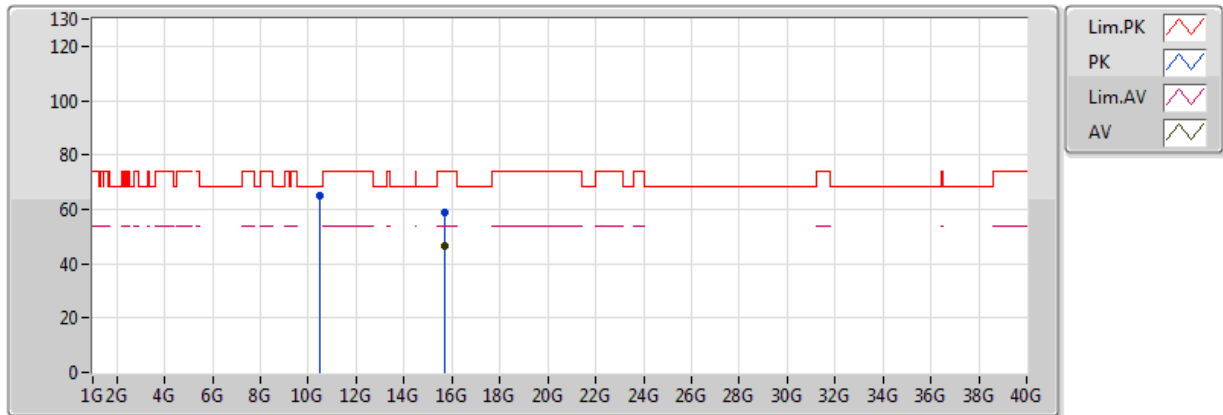


20170323
EUT_Y_4TX
TXBF
Setting 32
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.7042G	49.26	54.00	-4.74	15.77	3	V	326	1.83	-
PK	10.4772G	60.71	68.20	-7.49	12.43	3	V	256	1.92	-
PK	15.7028G	63.54	74.00	-10.46	15.78	3	V	326	1.83	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

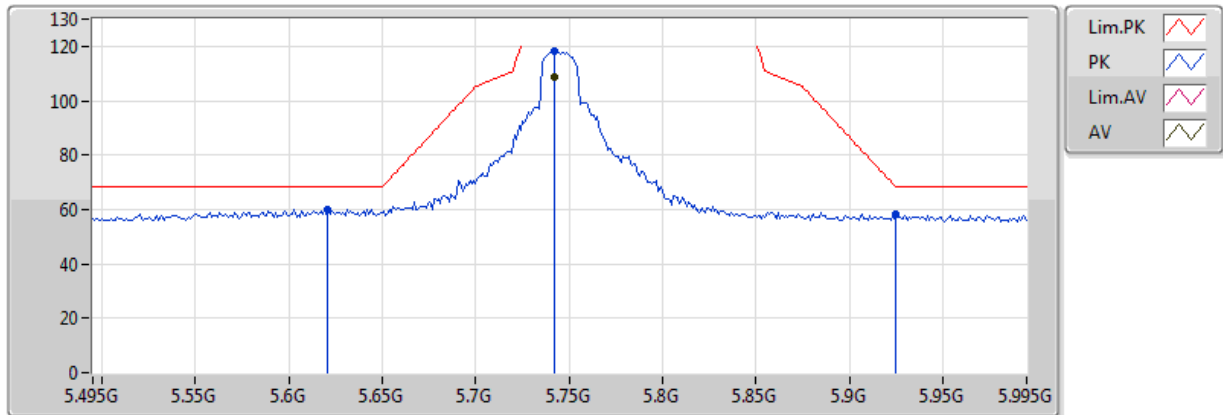


20170323
EUT_Y_4TX
TXBF
Setting 32
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.7144G	46.33	54.00	-7.67	15.74	3	H	287	2.31	-
PK	10.4772G	64.86	68.20	-3.34	12.43	3	H	172	2.58	-
PK	15.7122G	59.04	74.00	-14.96	15.75	3	H	287	2.31	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

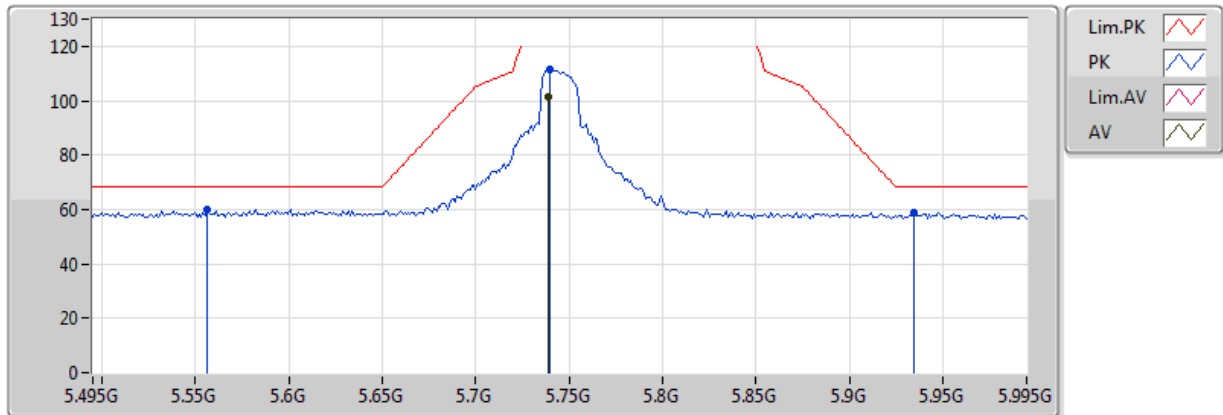


20170323
EUT_Y_4TX
TXBF
Setting 32
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.742G	108.69	Inf	-Inf	6.25	3	V	176	2.03	-
PK	5.621G	60.04	68.20	-8.16	6.24	3	V	176	2.03	-
PK	5.742G	118.05	Inf	-Inf	6.25	3	V	176	2.03	-
PK	5.925G	58.22	68.20	-9.98	6.19	3	V	176	2.03	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

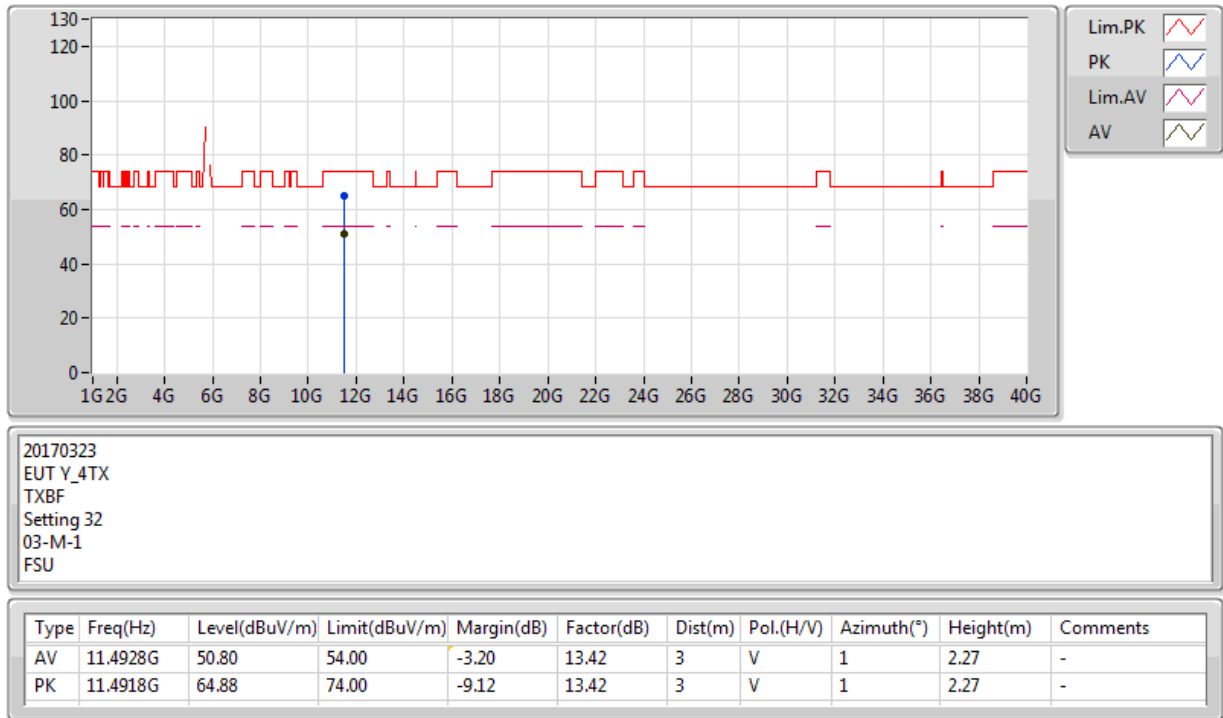


20170323
EUT_Y_4TX
TXBF
Setting 32
03-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.739G	101.48	Inf	-Inf	6.25	3	H	254	1.89	-
PK	5.556G	59.98	68.20	-8.22	6.20	3	H	254	1.89	-
PK	5.74G	111.39	Inf	-Inf	6.25	3	H	254	1.89	-
PK	5.935G	58.72	68.20	-9.48	6.18	3	H	254	1.89	-

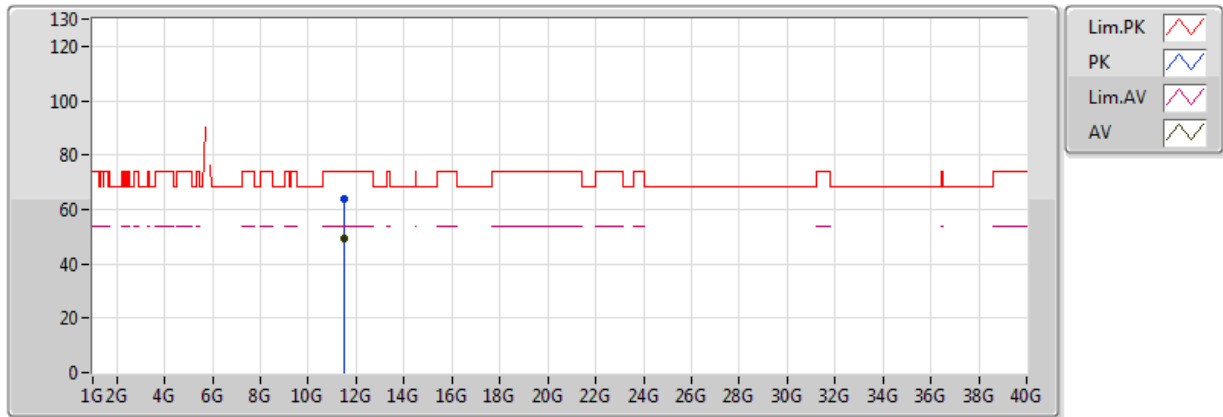
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

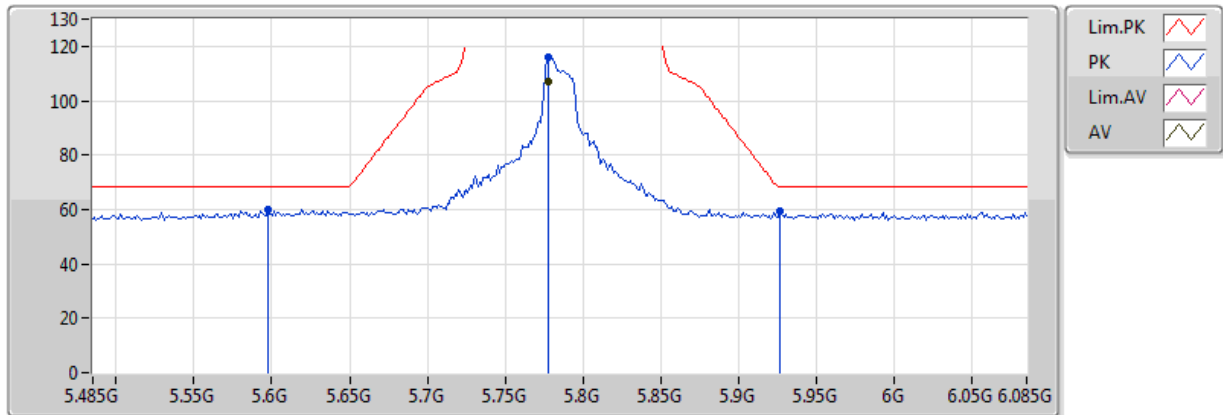


20170323
EUT_Y_4TX
TXBF
Setting 32
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4816G	49.42	54.00	-4.58	13.41	3	H	333	1.66	-
PK	11.4872G	63.93	74.00	-10.07	13.42	3	H	333	1.66	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

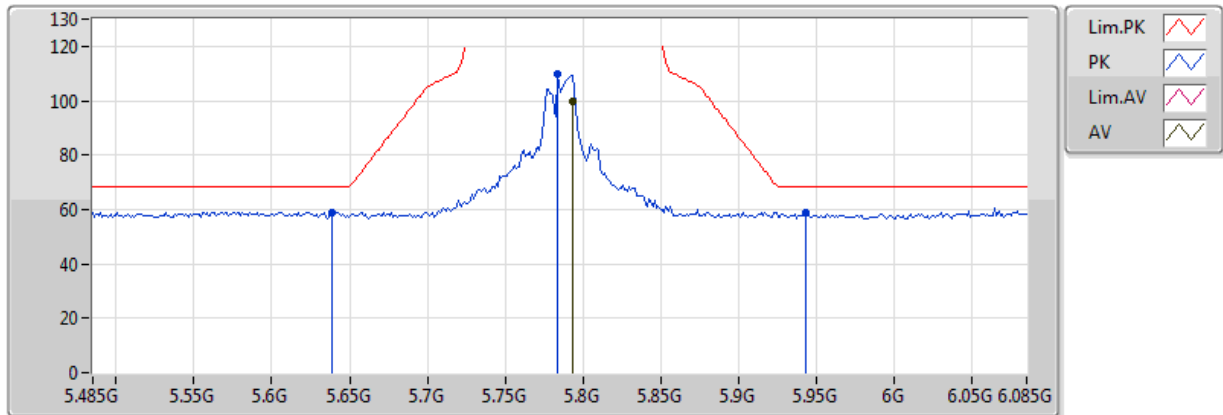


20170323
EUT_Y_4TX
TXBF
Setting 29
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7778G	107.20	Inf	-Inf	6.25	3	V	175	2.00	-
PK	5.5978G	59.82	68.20	-8.38	6.24	3	V	175	2.00	-
PK	5.7778G	116.25	Inf	-Inf	6.25	3	V	175	2.00	-
PK	5.9266G	59.51	68.20	-8.69	6.19	3	V	175	2.00	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

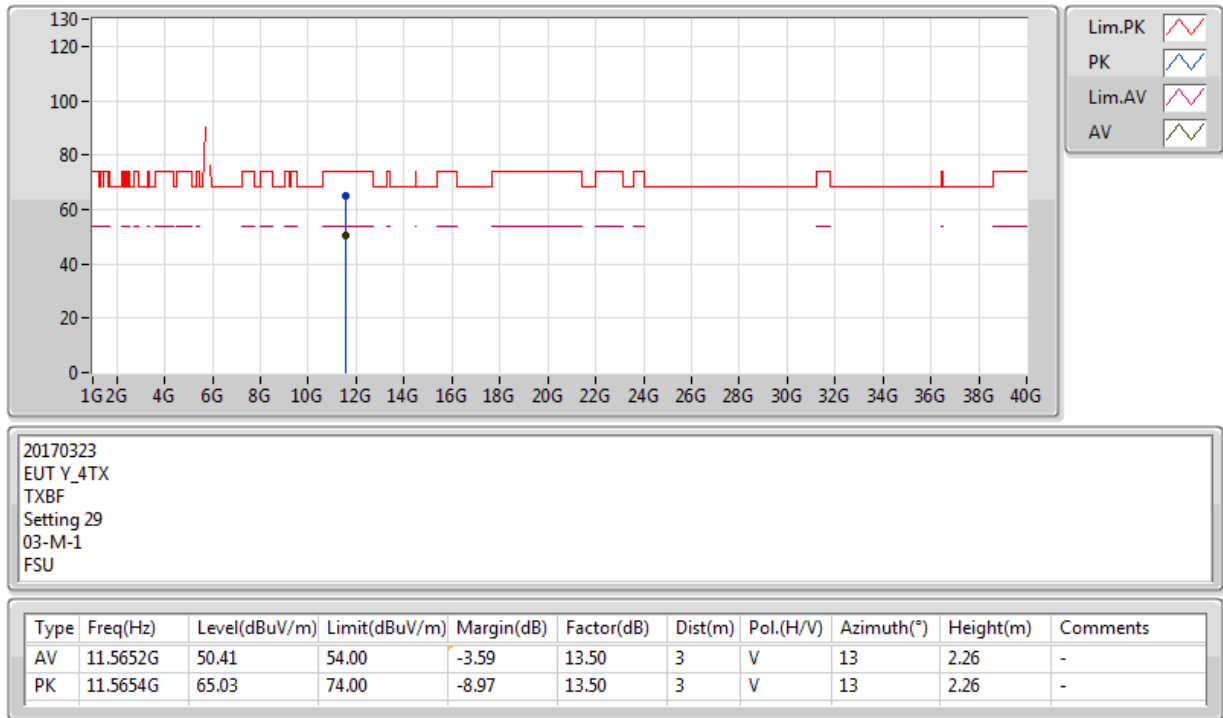


20170323
EUT_Y_4TX
TXBF
Setting 29
03-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7934G	99.91	Inf	-Inf	6.25	3	H	99	1.50	-
PK	5.6386G	59.10	68.20	-9.10	6.24	3	H	99	1.50	-
PK	5.7838G	109.57	Inf	-Inf	6.25	3	H	99	1.50	-
PK	5.9434G	58.57	68.20	-9.63	6.18	3	H	99	1.50	-

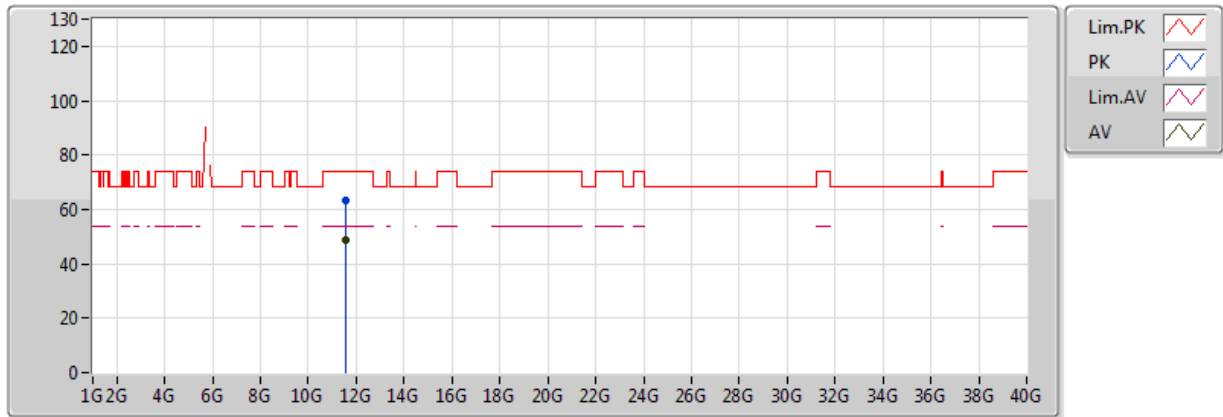
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

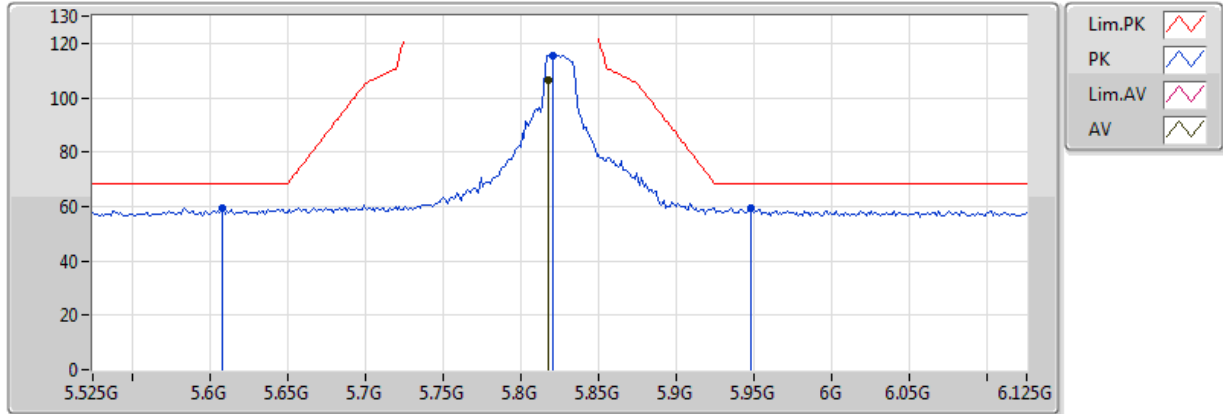


20170323
EUT_Y_4TX
TXBF
Setting 29
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5628G	48.83	54.00	-5.17	13.49	3	H	11	1.45	-
PK	11.5608G	63.31	74.00	-10.69	13.49	3	H	11	1.45	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

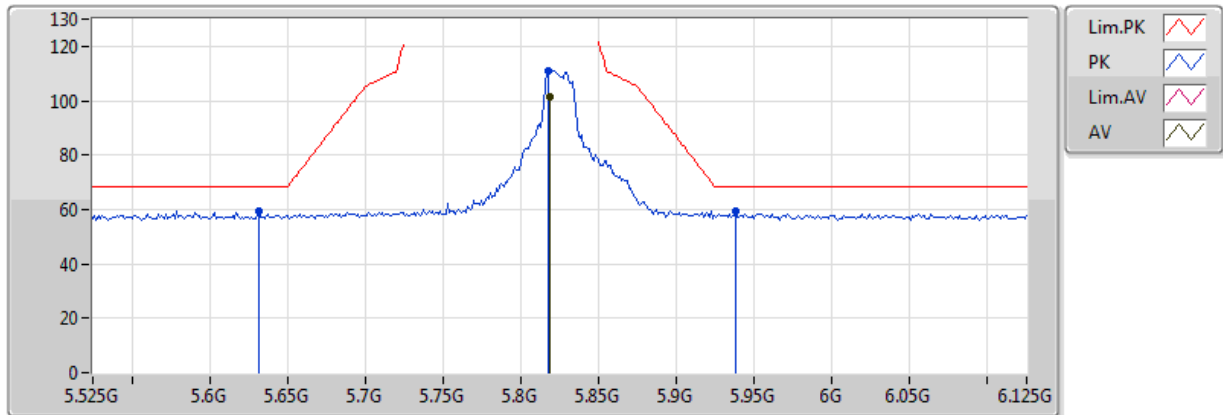


20170323
EUT_Y_4TX
TXBF
Setting 28
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8178G	106.49	Inf	-Inf	6.24	3	V	175	1.89	-
PK	5.6078G	59.51	68.20	-8.69	6.24	3	V	175	1.89	-
PK	5.8202G	115.71	Inf	-Inf	6.24	3	V	175	1.89	-
PK	5.9474G	59.53	68.20	-8.67	6.18	3	V	175	1.89	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

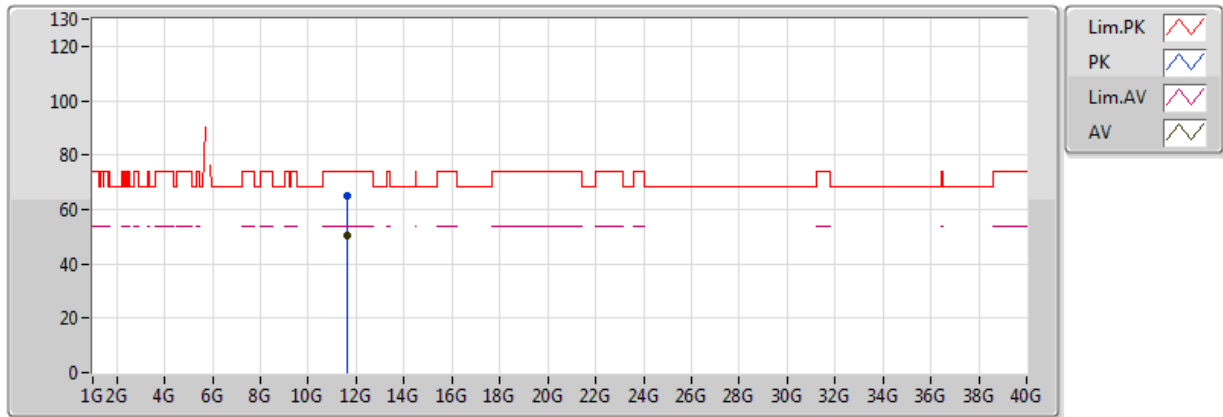


20170323
EUT_Y_4TX
TXBF
Setting 28
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.819G	101.59	Inf	-Inf	6.24	3	H	236	1.88	-
PK	5.6318G	59.36	68.20	-8.84	6.24	3	H	236	1.88	-
PK	5.8178G	111.20	Inf	-Inf	6.24	3	H	236	1.88	-
PK	5.9378G	59.30	68.20	-8.90	6.18	3	H	236	1.88	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

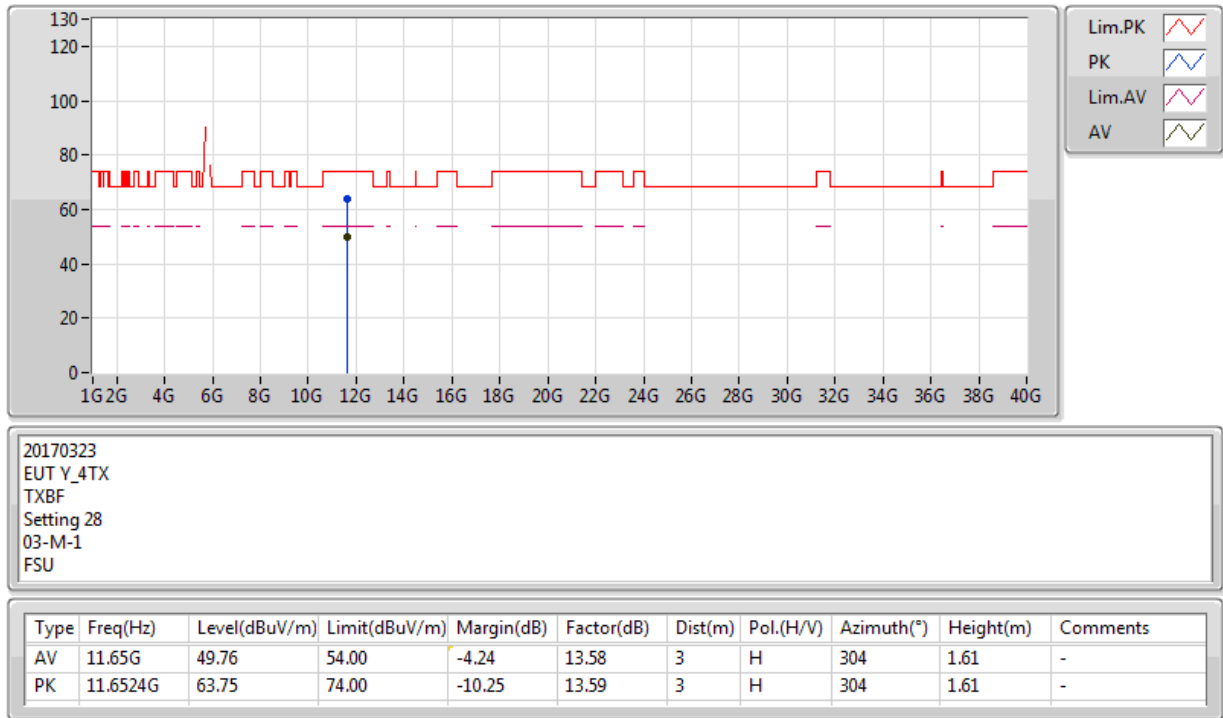


20170323
EUT_Y_4TX
TXBF
Setting 28
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	50.69	54.00	-3.31	13.58	3	V	0	2.19	-
PK	11.6472G	64.80	74.00	-9.20	13.58	3	V	0	2.19	-

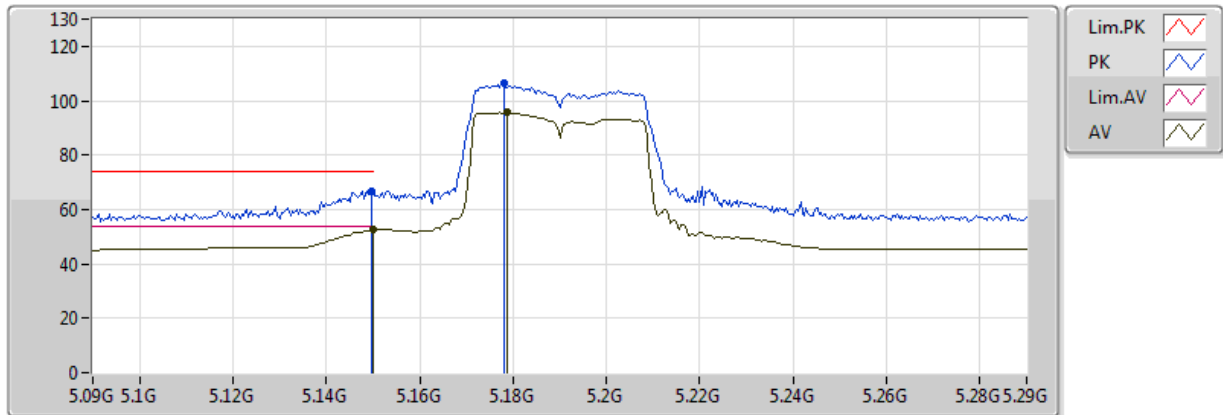
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

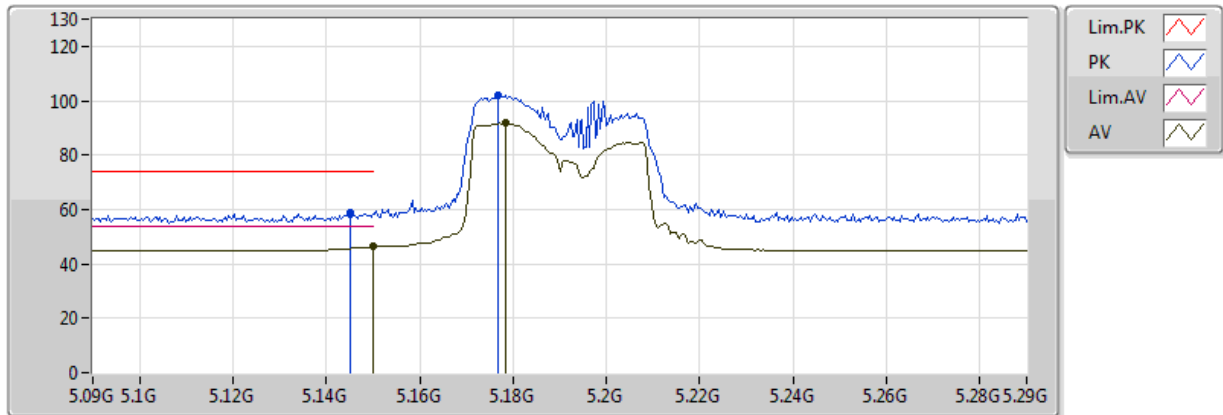


20170323
EUT_Y_4TX
TXBF
Setting: 18
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.94	54.00	-1.06	5.44	3	V	269	1.68	-
AV	5.1788G	95.62	Inf	-Inf	5.51	3	V	269	1.68	-
PK	5.1496G	66.76	74.00	-7.24	5.44	3	V	269	1.68	-
PK	5.178G	106.23	Inf	-Inf	5.50	3	V	269	1.68	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

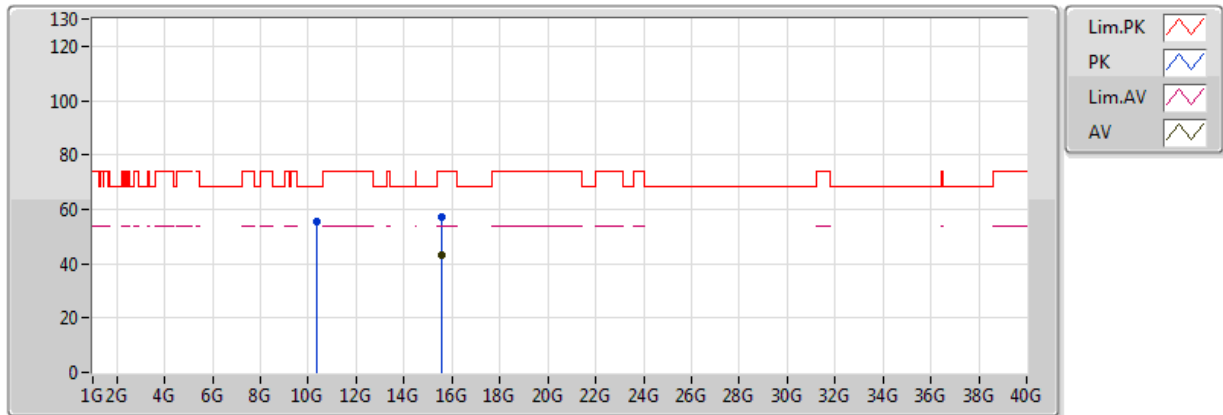


20170323
EUT_Y_4TX
TXBF
Setting 18
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	46.34	54.00	-7.66	5.44	3	H	314	1.94	-
AV	5.1784G	91.75	Inf	-Inf	5.50	3	H	314	1.94	-
PK	5.1452G	59.09	74.00	-14.91	5.43	3	H	314	1.94	-
PK	5.1768G	101.85	Inf	-Inf	5.50	3	H	314	1.94	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

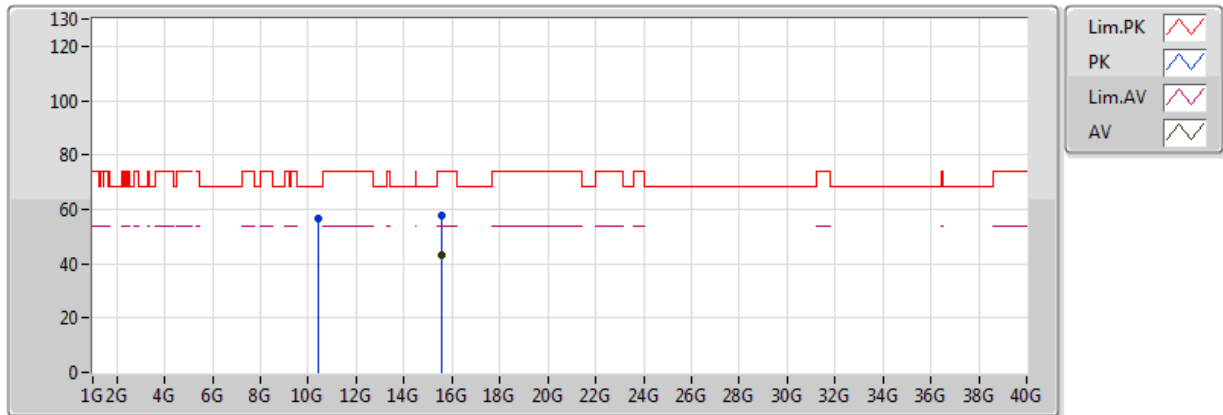


20170323
EUT_Y_4TX
TXBF
Setting 18
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57226G	43.16	54.00	-10.84	16.20	3	V	280	2.15	-
PK	10.37734G	55.67	68.20	-12.53	12.33	3	V	81	2.36	-
PK	15.57246G	57.35	74.00	-16.65	16.20	3	V	280	2.15	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

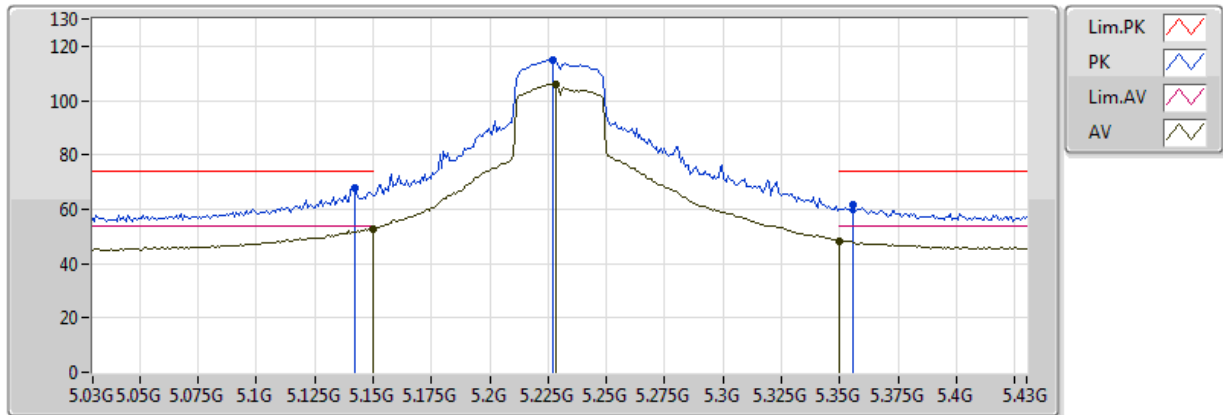


20170323
EUT_Y_4TX
TXBF
Setting 18
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.56834G	43.27	54.00	-10.73	16.21	3	H	58	1.50	-
PK	10.3854G	56.84	68.20	-11.36	12.34	3	H	78	1.56	-
PK	15.575G	57.44	74.00	-16.56	16.19	3	H	58	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

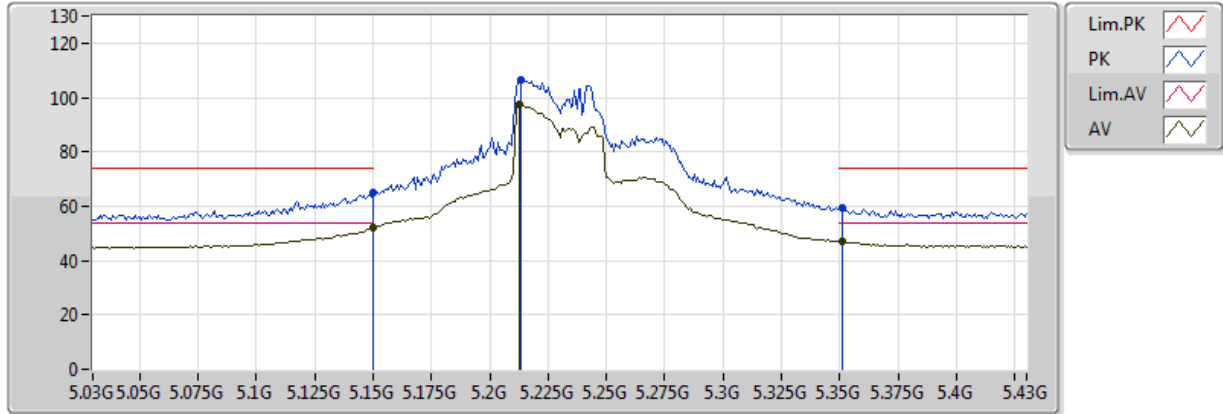


20170323
EUT_Y_4TX
TXBF
Setting 37
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.75	54.00	-1.25	5.44	3	V	270	1.85	-
AV	5.2284G	105.82	Inf	-Inf	5.60	3	V	270	1.85	-
AV	5.350005G	48.41	54.00	-5.59	5.83	3	V	270	1.85	-
PK	5.142G	67.74	74.00	-6.26	5.43	3	V	270	1.85	-
PK	5.2268G	115.01	Inf	-Inf	5.60	3	V	270	1.85	-
PK	5.3556G	61.56	74.00	-12.44	5.83	3	V	270	1.85	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

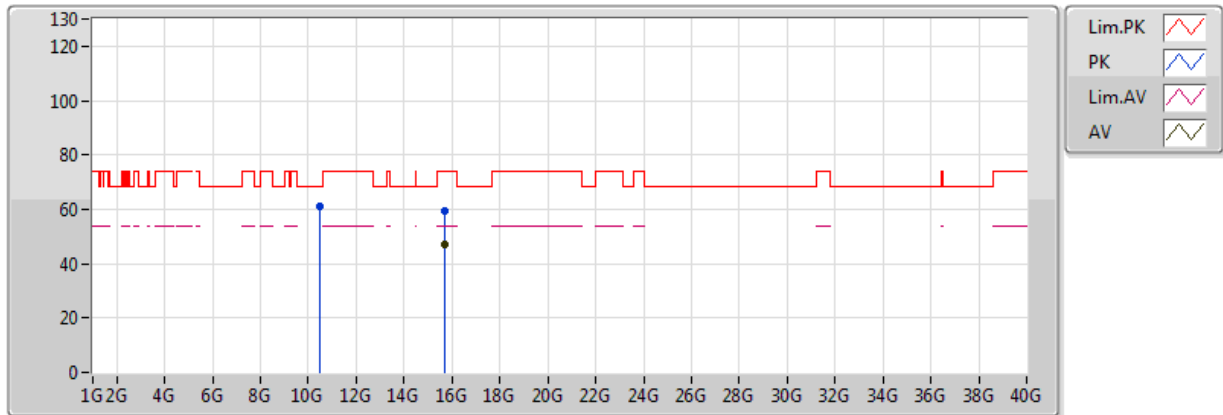


20170323
EUT Y_4TX
TXBF
Setting 37
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.01	54.00	-1.99	5.44	3	H	33	1.50	-
AV	5.2124G	97.39	Inf	-Inf	5.57	3	H	33	1.50	-
AV	5.3508G	47.23	54.00	-6.77	5.83	3	H	33	1.50	-
PK	5.149995G	65.07	74.00	-8.93	5.44	3	H	33	1.50	-
PK	5.2132G	106.38	Inf	-Inf	5.58	3	H	33	1.50	-
PK	5.3508G	59.38	74.00	-14.62	5.83	3	H	33	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

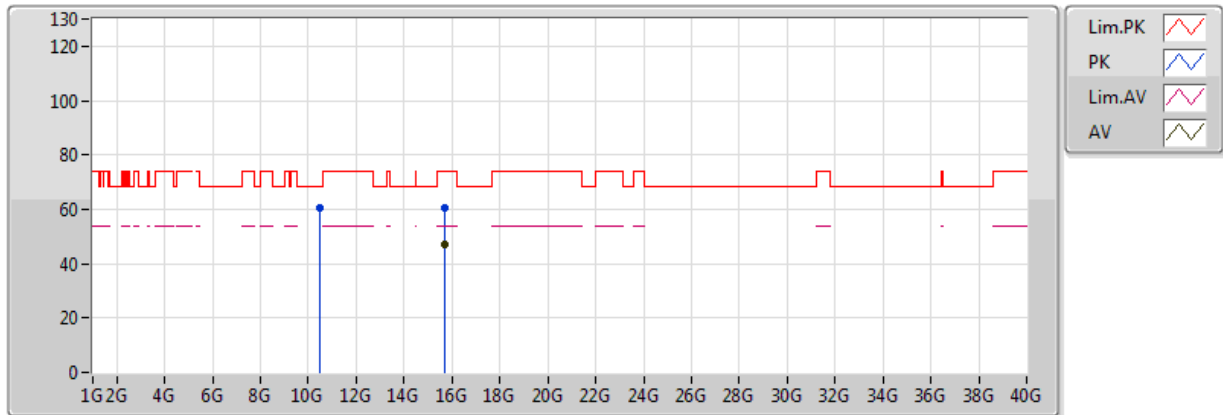


20170323
EUT_Y_4TX
TXBF
Setting 37
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6962G	46.88	54.00	-7.12	15.80	3	V	322	1.64	-
PK	10.4608G	61.05	68.20	-7.15	12.41	3	V	237	1.72	-
PK	15.6946G	59.20	74.00	-14.80	15.80	3	V	322	1.64	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

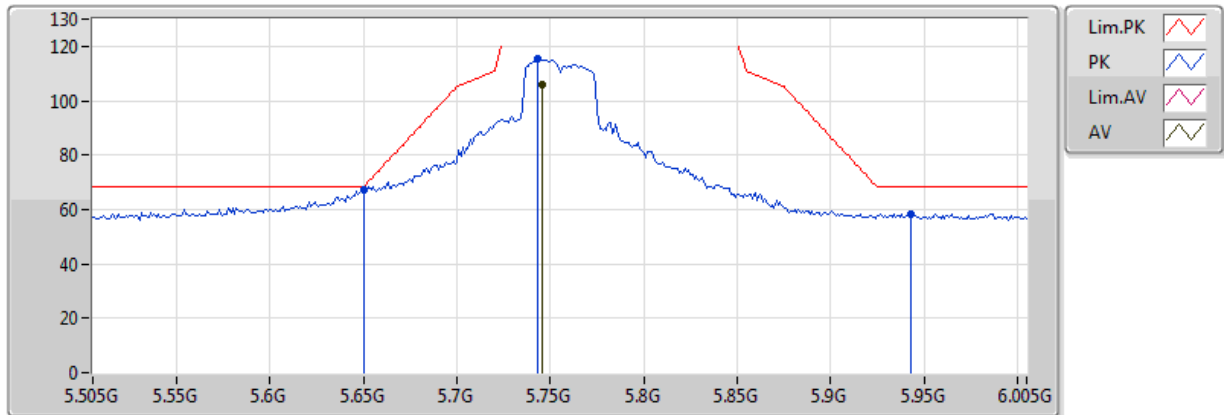


20170323
EUT_Y_4TX
TXBF
Setting 37
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.7044G	47.26	54.00	-6.74	15.77	3	H	61	2.58	-
PK	10.452G	60.79	68.20	-7.41	12.40	3	H	163	2.12	-
PK	15.6968G	60.66	74.00	-13.34	15.80	3	H	61	2.58	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

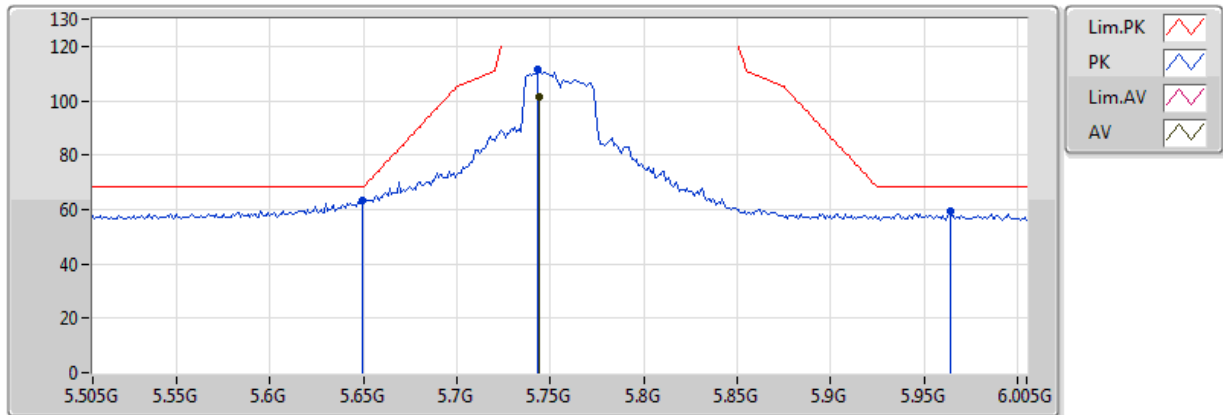


20170323
EUT_Y_4TX
TXBF
Setting 31
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.746G	105.88	Inf	-Inf	6.25	3	V	176	1.94	-
PK	5.65G	67.10	68.20	-1.10	6.24	3	V	176	1.94	-
PK	5.743G	115.60	Inf	-Inf	6.25	3	V	176	1.94	-
PK	5.943G	58.47	68.20	-9.73	6.18	3	V	176	1.94	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

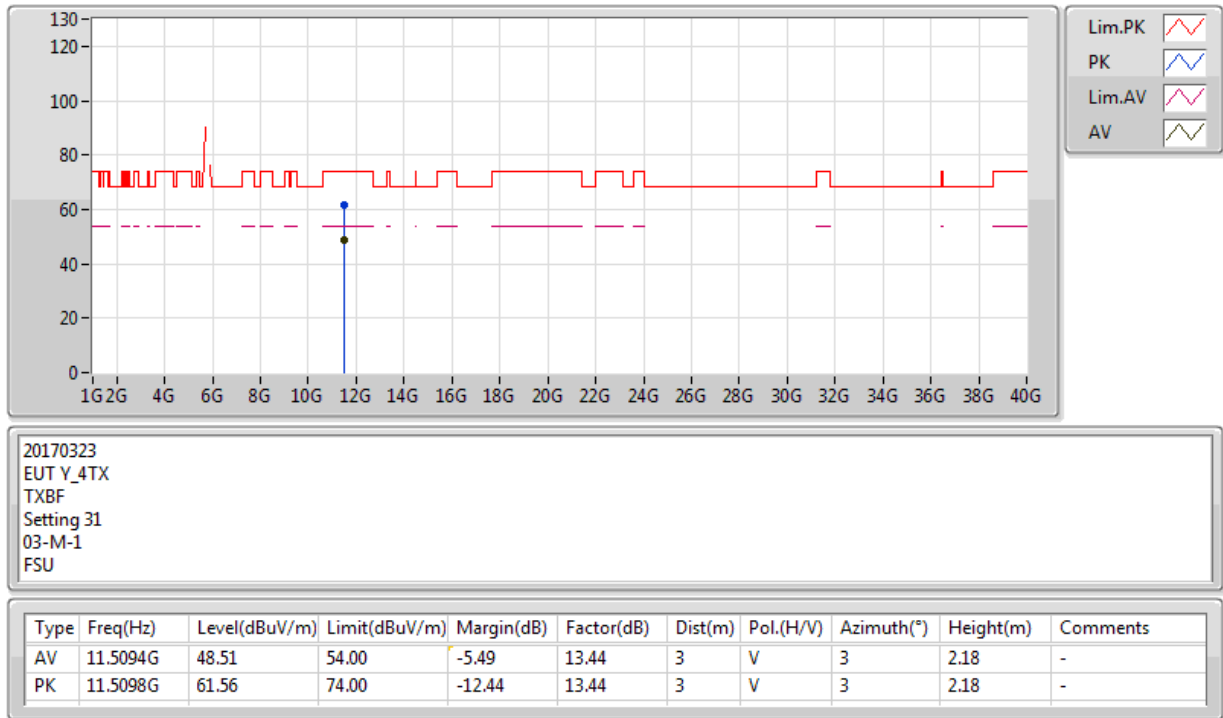


20170323
EUT_Y_4TX
TXBF
Setting 31
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.744G	101.50	Inf	-Inf	6.25	3	H	133	1.72	-
PK	5.649G	63.48	68.20	-4.72	6.24	3	H	133	1.72	-
PK	5.743G	111.37	Inf	-Inf	6.25	3	H	133	1.72	-
PK	5.964G	59.44	68.20	-8.76	6.17	3	H	133	1.72	-

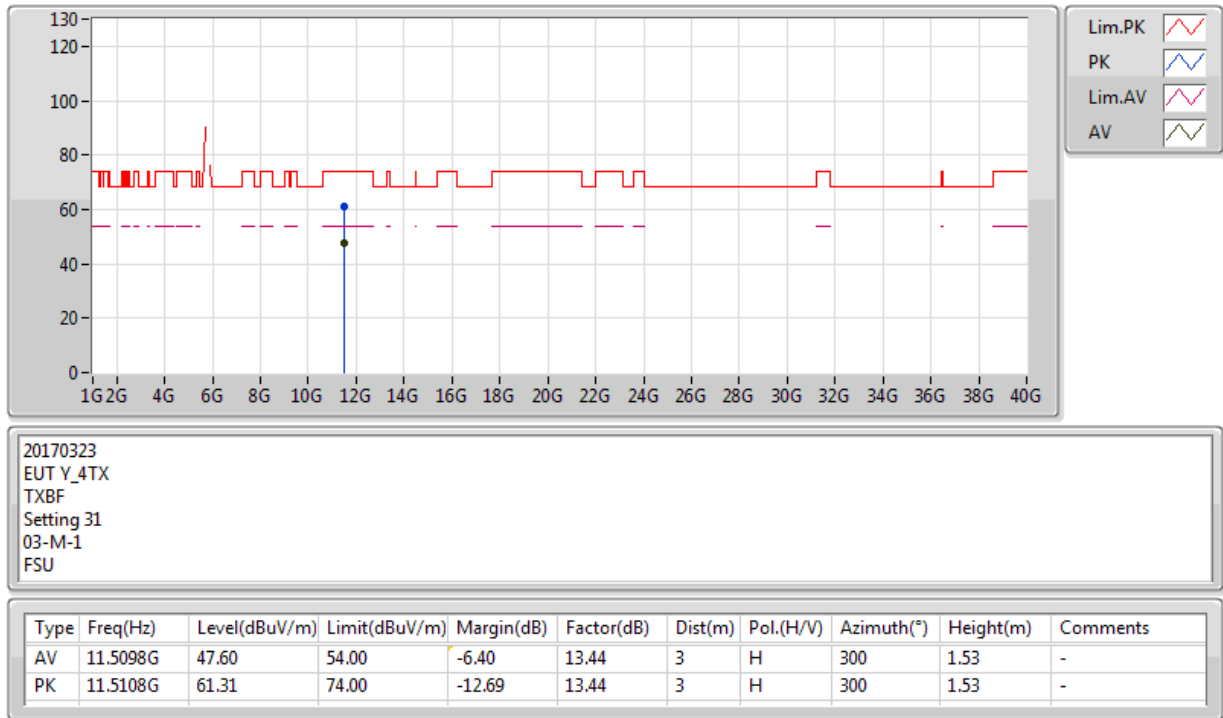
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX



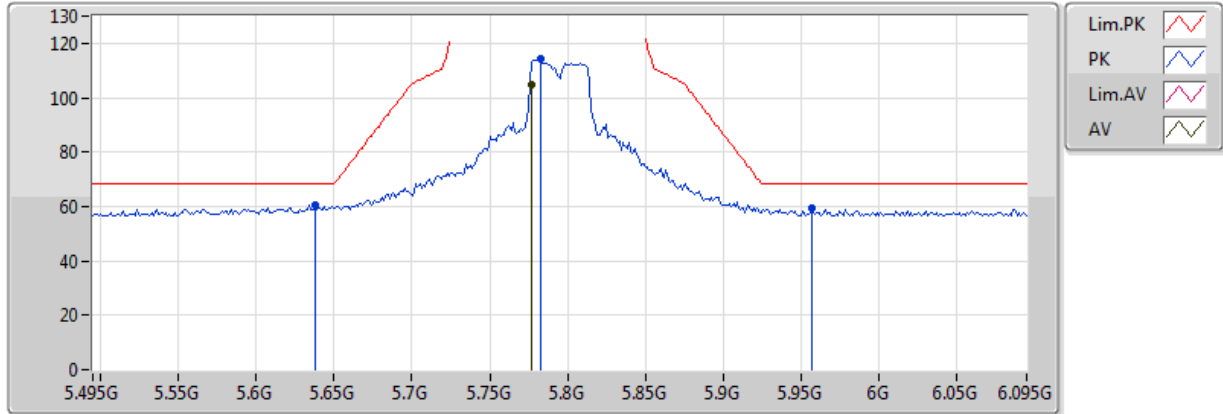
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX



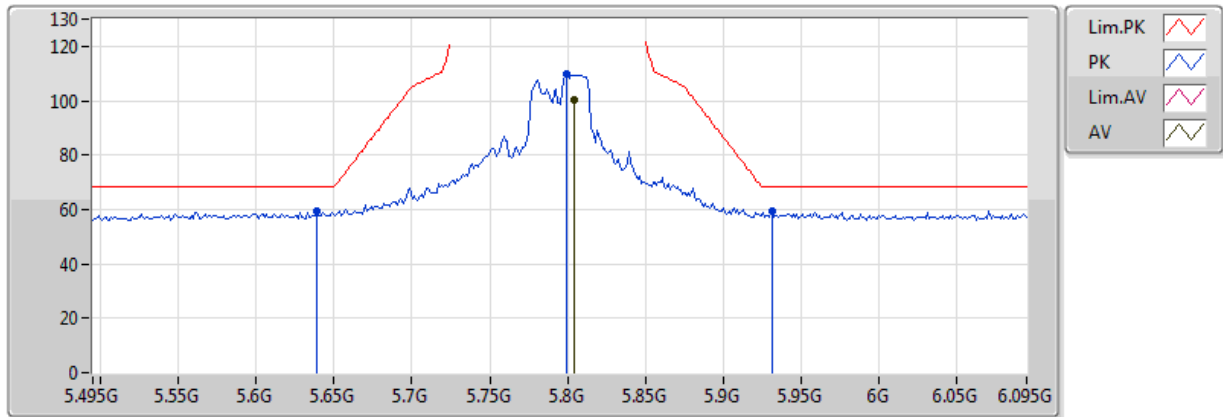
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

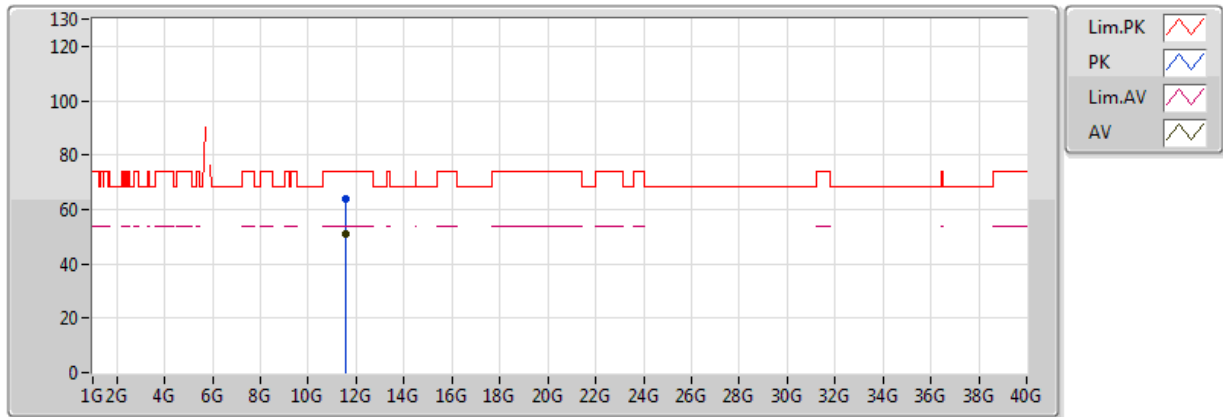


20170323
EUT_Y_4TX
TXBF
Setting 30
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8046G	100.34	Inf	-Inf	6.25	3	H	219	1.88	-
PK	5.639G	59.53	68.20	-8.67	6.24	3	H	219	1.88	-
PK	5.7998G	109.81	Inf	-Inf	6.25	3	H	219	1.88	-
PK	5.9318G	59.18	68.20	-9.02	6.18	3	H	219	1.88	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

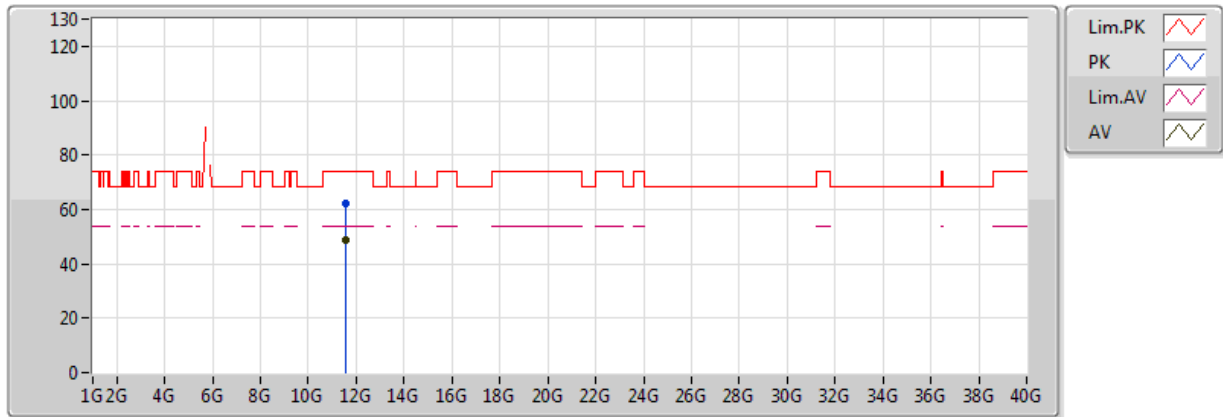


20170323
EUT_Y_4TX
TXBF
Setting 30
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5902G	50.93	54.00	-3.07	13.52	3	V	2	2.29	-
PK	11.5892G	63.71	74.00	-10.29	13.52	3	V	2	2.29	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

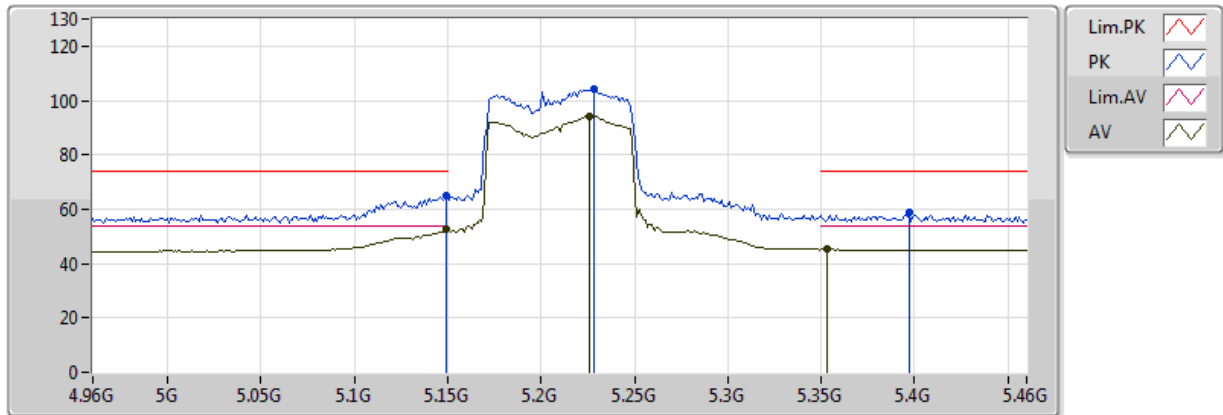


20170323
EUT_Y_4TX
TXBF
Setting 30
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5902G	48.97	54.00	-5.03	13.52	3	H	303	1.72	-
PK	11.5906G	62.12	74.00	-11.88	13.52	3	H	303	1.72	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

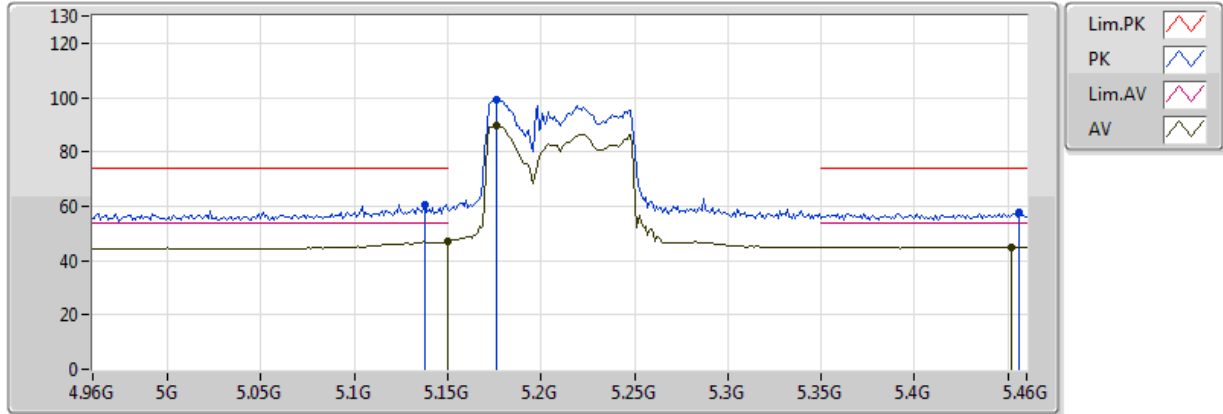


20170323
EUT_Y_4TX
TXBF
Setting 19
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	52.61	54.00	-1.39	5.44	3	V	268	1.80	-
AV	5.226G	94.06	Inf	-Inf	5.60	3	V	268	1.80	-
AV	5.353G	45.15	54.00	-8.85	5.83	3	V	268	1.80	-
PK	5.149G	64.75	74.00	-9.25	5.44	3	V	268	1.80	-
PK	5.228G	104.29	Inf	-Inf	5.60	3	V	268	1.80	-
PK	5.397G	58.75	74.00	-15.25	5.90	3	V	268	1.80	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

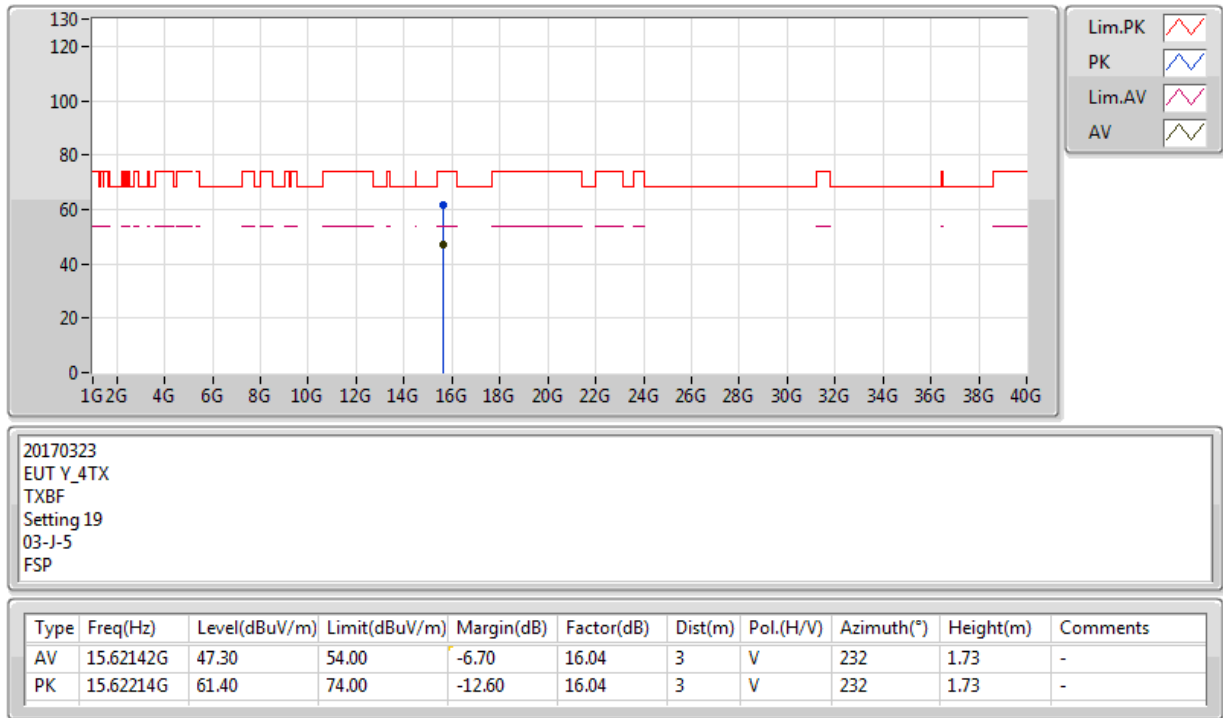


20170323
EUT Y_4TX
TXBF
Setting 19
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	47.16	54.00	-6.84	5.44	3	H	314	1.94	-
AV	5.176G	89.40	Inf	-Inf	5.50	3	H	314	1.94	-
AV	5.452G	44.98	54.00	-9.02	6.04	3	H	314	1.94	-
PK	5.138G	60.60	74.00	-13.40	5.42	3	H	314	1.94	-
PK	5.176G	99.30	Inf	-Inf	5.50	3	H	314	1.94	-
PK	5.456G	57.95	74.00	-16.05	6.05	3	H	314	1.94	-

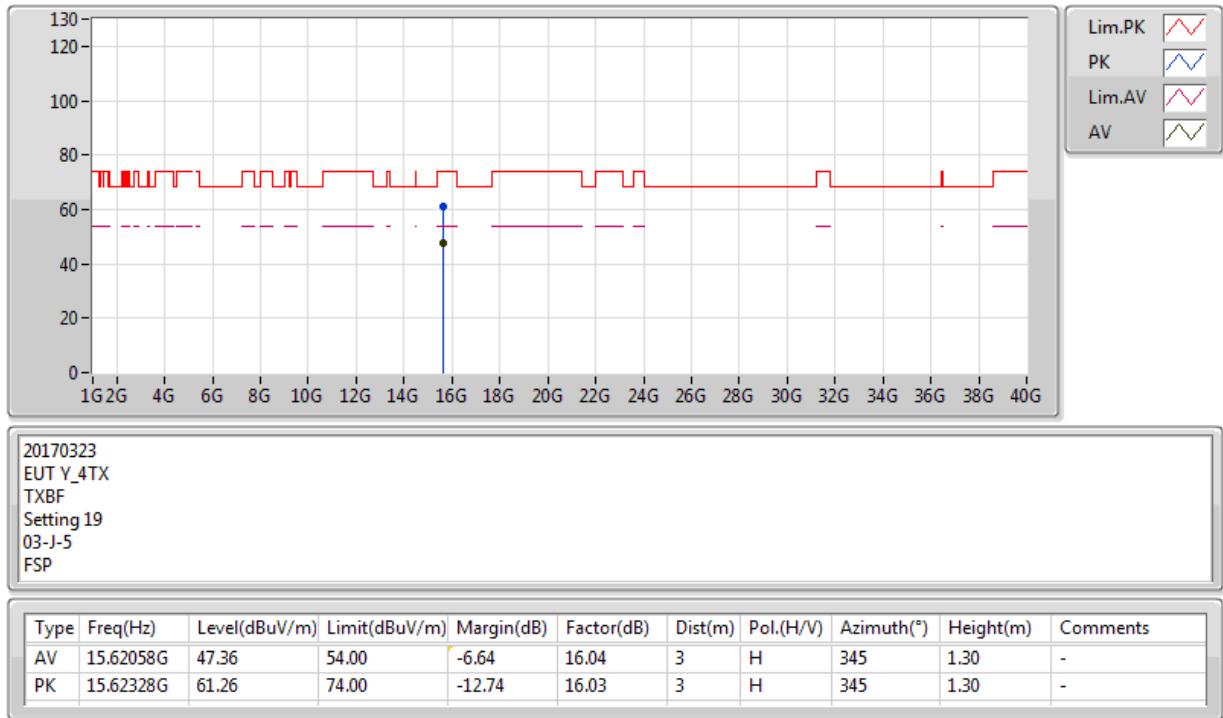
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX



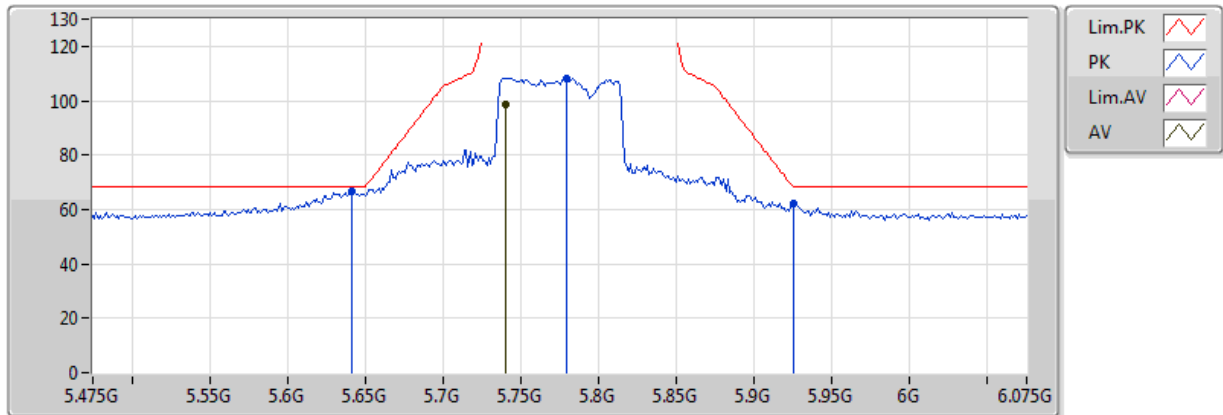
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

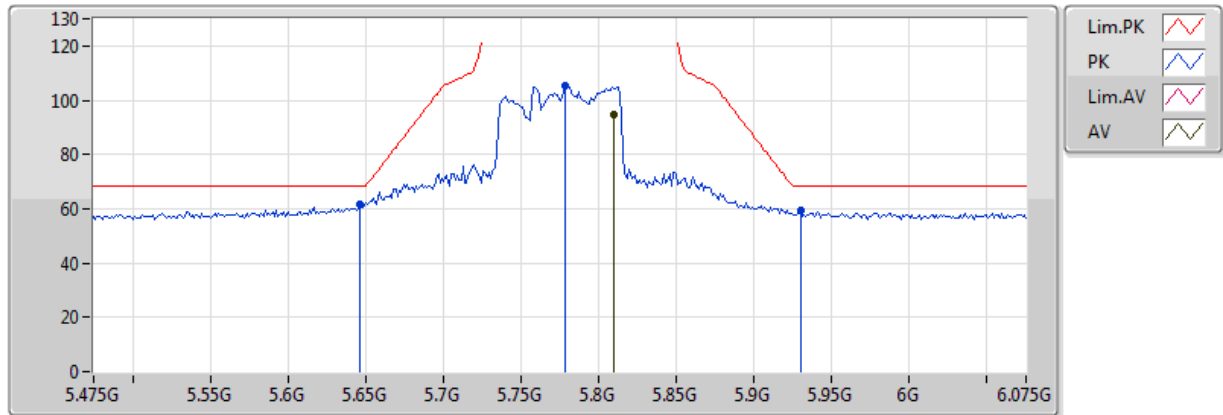


20170323
EUT_Y_4TX
TXBF
Setting 24
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7402G	98.73	Inf	-Inf	6.25	3	V	177	2.02	-
PK	5.6418G	66.87	68.20	-1.33	6.24	3	V	177	2.02	-
PK	5.7798G	108.38	Inf	-Inf	6.25	3	V	177	2.02	-
PK	5.925G	62.03	68.20	-6.17	6.19	3	V	177	2.02	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

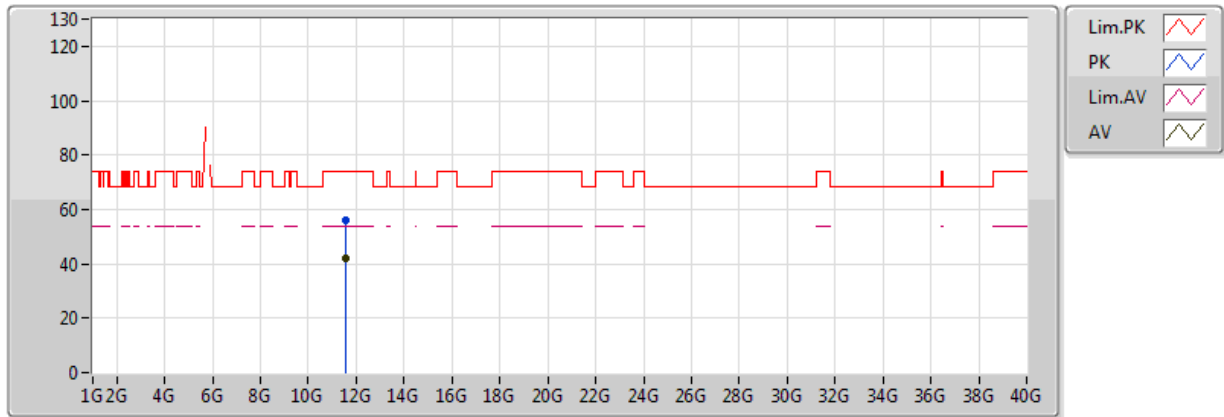


20170323
EUT Y_4TX
TXBF
Setting 24
03-M-1-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8098G	94.80	Inf	-Inf	6.25	3	H	223	1.88	-
PK	5.6466G	61.39	68.20	-6.81	6.24	3	H	223	1.88	-
PK	5.7786G	105.33	Inf	-Inf	6.25	3	H	223	1.88	-
PK	5.9298G	59.22	68.20	-8.98	6.19	3	H	223	1.88	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

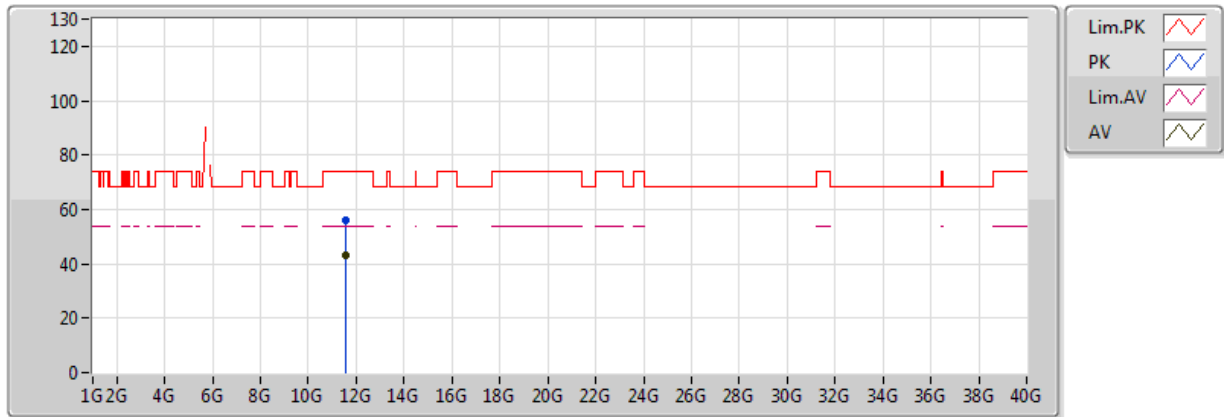


20170323
EUT_Y_4TX
TXBF
Setting 24
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55086G	42.08	54.00	-11.92	13.48	3	V	17	2.31	-
PK	11.55402G	55.80	74.00	-18.20	13.49	3	V	17	2.31	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX



20170323
EUT_Y_4TX
TXBF
Setting 24
03-M-1
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55813G	42.96	54.00	-11.04	13.49	3	H	300	1.63	-
PK	11.54662G	56.12	74.00	-17.88	13.48	3	H	300	1.63	-

Mode: 20 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9920	5199.9915	5199.9909	5199.9899
110.00	5199.9914	5199.9911	5199.9905	5199.9901
93.50	5199.9912	5199.9904	5199.9898	5199.9890
Max. Deviation (MHz)	0.0088	0.0096	0.0102	0.0110
Max. Deviation (ppm)	1.69	1.85	1.96	2.12
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5199.9935	5199.9930	5199.9928	5199.9922
10	5199.9915	5199.9906	5199.9903	5199.9898
20	5199.9914	5199.9906	5199.9905	5199.9899
30	5199.9898	5199.9897	5199.9890	5199.9882
40	5199.9892	5199.9883	5199.9882	5199.9879
Max. Deviation (MHz)	0.0121	0.0130	0.0131	0.0140
Max. Deviation (ppm)	2.33	2.50	2.52	2.69
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9915	5784.9912	5784.9910	5784.9901
110.00	5784.9914	5784.9909	5784.9908	5784.9901
93.50	5784.9907	5784.9898	5784.9894	5784.9884
Max. Deviation (MHz)	0.0093	0.0102	0.0106	0.0116
Max. Deviation (ppm)	1.61	1.76	1.83	2.01
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5784.9931	5784.9926	5784.9918	5784.9910
10	5784.9924	5784.9920	5784.9912	5784.9908
20	5784.9914	5784.9908	5784.9903	5784.9896
30	5784.9898	5784.9894	5784.9892	5784.9890
40	5784.9881	5784.9878	5784.9871	5784.9863
Max. Deviation (MHz)	0.0122	0.0130	0.0138	0.0143
Max. Deviation (ppm)	2.11	2.25	2.39	2.47
Result	Pass			

Mode: 40 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9922	5189.9921	5189.9920	5189.9918
110.00	5189.9914	5189.9907	5189.9898	5189.9895
93.50	5189.9907	5189.9905	5189.9903	5189.9901
Max. Deviation (MHz)	0.0093	0.0095	0.0102	0.0105
Max. Deviation (ppm)	1.79	1.83	1.97	2.02
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5189.9935	5189.9929	5189.9921	5189.9917
10	5189.9933	5189.9929	5189.9927	5189.9923
20	5189.9914	5189.9906	5189.9900	5189.9898
30	5189.9898	5189.9889	5189.9886	5189.9881
40	5189.9886	5189.9879	5189.9871	5189.9865
Max. Deviation (MHz)	0.0116	0.0121	0.0129	0.0136
Max. Deviation (ppm)	2.24	2.33	2.49	2.62
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9923	5754.9919	5754.9909	5754.9903
110.00	5754.9914	5754.9904	5754.9899	5754.9897
93.50	5754.9912	5754.9909	5754.9901	5754.9893
Max. Deviation (MHz)	0.0088	0.0096	0.0101	0.0107
Max. Deviation (ppm)	1.53	1.67	1.75	1.86
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5754.9937	5754.9929	5754.9927	5754.9920
10	5754.9918	5754.9917	5754.9916	5754.9913
20	5754.9914	5754.9908	5754.9900	5754.9899
30	5754.9898	5754.9896	5754.9894	5754.9893
40	5754.9895	5754.9886	5754.9878	5754.9876
Max. Deviation (MHz)	0.0111	0.0114	0.0122	0.0124
Max. Deviation (ppm)	1.93	1.98	2.12	2.15
Result	Pass			

Mode: 80 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9917	5209.9914	5209.9912	5209.9906
110.00	5209.9914	5209.9909	5209.9899	5209.9892
93.50	5209.9912	5209.9909	5209.9901	5209.9892
Max. Deviation (MHz)	0.0088	0.0091	0.0101	0.0108
Max. Deviation (ppm)	1.69	1.75	1.94	2.07
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5209.9935	5209.9932	5209.9930	5209.9926
10	5209.9926	5209.9916	5209.9915	5209.9913
20	5209.9914	5209.9906	5209.9897	5209.9892
30	5209.9898	5209.9891	5209.9883	5209.9878
40	5209.9894	5209.9893	5209.9889	5209.9885
Max. Deviation (MHz)	0.0111	0.0112	0.0119	0.0128
Max. Deviation (ppm)	2.13	2.15	2.28	2.46
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9922	5774.9914	5774.9913	5774.9909
110.00	5774.9914	5774.9906	5774.9900	5774.9896
93.50	5774.9904	5774.9897	5774.9890	5774.9883
Max. Deviation (MHz)	0.0096	0.0103	0.0110	0.0117
Max. Deviation (ppm)	1.66	1.78	1.90	2.03
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5774.9925	5774.9922	5774.9921	5774.9918
10	5774.9922	5774.9919	5774.9918	5774.9915
20	5774.9914	5774.9912	5774.9904	5774.9900
30	5774.9898	5774.9891	5774.9888	5774.9887
40	5774.9882	5774.9879	5774.9876	5774.9870
Max. Deviation (MHz)	0.0137	0.0139	0.0143	0.0144
Max. Deviation (ppm)	2.37	2.41	2.48	2.49
Result	Pass			

