



NCC Test Report

Equipment : BANDOTT 無線 Mesh 子機
Brand Name : Ubee
Model No. : 95.2225T
Standard : LP0002 Section 4.7 (2016-08-23)
Operating Band : 5150 MHz – 5250 MHz
5725 MHz – 5850 MHz
Applicant : 鴻海精密工業股份有限公司
新北市土城區中山路 66 號
Manufacturer : 鴻海精密工業股份有限公司
新北市土城區中山路 66 號
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client

The product sample received on Sep. 29, 2017 and completely tested on Oct. 07, 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.....	31
4	TEST EQUIPMENT AND CALIBRATION DATA	32
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 PHOTOS		
PHOTOGRAPHS OF EUT V02		

Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	4.7.8	Antenna Requirement	Complied
3.1	2.3	AC Power-line Conducted Emissions	Complied
3.2	4.7.3	Emission Bandwidth	Complied
3.3	4.7.3	Maximum Conducted Output Power	Complied
3.4	4.7.3	Peak Power Spectral Density	Complied
3.5	4.7.4	Unwanted Emissions	Complied
3.6	-	Frequency Stability	Complied



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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	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX

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.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
						WLAN 2.4GHz	WLAN 5GHz	BT
1	1	Master Wave	902P00165S0	PIFA Antenna	N/A	4.69	4.79	-
2	2	Master Wave	902P00165S0	PIFA Antenna	N/A	4.70	4.78	-
3	1	INPAQ	N/A	Chip Antenna	N/A	-	-	2.73

Note: The EUT has three antennas.

For 2.4GHz Functions
For IEEE 802. 11b/g/n/ac mode (2TX/2RX):

Port 1 and Port 2 can be use as transmitting/receive antennas.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz Functions
For IEEE 802. 11a/n/ac mode (2TX/2RX):

Port 1 and Port 2 can be use as transmitting/receive antennas.

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth Functions

Only Port 1 can be use as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.962	0.168	0.168	2.06m
802.11ac VHT20	0.983	0.074	0.074	n/a (DC $\geq$ 0.98)
802.11ac VHT20-BF	0.903	0.443	0.443	1.744m
802.11ac VHT40	0.963	0.164	0.164	2.433m
802.11ac VHT40-BF	0.861	0.65	0.65	1.654m
802.11ac VHT80	0.923	0.348	0.348	1.135m
802.11ac VHT80-BF	0.889	0.511	0.511	1.923m

1.1.4 EUT Operational Condition

EUT Power Type	From Internal Power Supply			
Beamforming Function	☒	With beamforming for IEEE 802 n/ac in 2.4GHz and 5GHz	☐	Without beamforming
Test Software Version	QRCT Version3.0.233.0			

1.2 Testing Applied Standards

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

- ♦ NCC LP0002 (2016-08-23)
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v01r04
- ♦ FCC KDB 644545 D03 v01
- ♦ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location				
☐	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.	TEL : 886-3-327-3456	FAX : 886-3-318-0055
☒	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.	TEL : 886-3-656-9065	FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Eddie Weng / Brian Sun	22°C / 54%	Oct. 02, 2017~Oct. 07, 2017
Radiated	03CH01-CB	Welson Chen / Paul Chen / Justin Lin	22°C / 54%	Sep. 29, 2017~Oct. 07, 2017
AC Conduction	CO01-CB	Deven Huang	23°C / 60%	Oct. 06, 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_Nss1,(6Mbps)_2TX	-
5180MHz	20.5
5200MHz	25
5240MHz	25
5745MHz	23
5785MHz	22
5825MHz	21.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	21
5200MHz	25
5240MHz	25
5745MHz	25
5785MHz	22.5
5825MHz	22
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	17.5
5230MHz	23
5755MHz	25
5795MHz	22.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	18
5775MHz	22
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	25
5200MHz	25
5240MHz	25
5745MHz	25
5785MHz	25
5825MHz	24
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	25
5230MHz	25
5755MHz	25
5795MHz	25
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-



5210MHz	25
5775MHz	25

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	Intentional - CTX
1	CTX - 2.4GHz
2	CTX - 5GHz
3	CTX - Bluetooth 4.0
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode	Unintentional - CRX
1	CRX - 2.4GHz
2	CRX - 5GHz
3	CRX - Bluetooth 4.0
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
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	Intentional - CTX
1	CTX - 2.4GHz
2	CTX - 5GHz
3	CTX - Bluetooth 4.0
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode < 1GHz	Unintentional - CRX
1	CRX - 2.4GHz
2	CRX - 5GHz
3	CRX - Bluetooth 4.0
For operating mode 1 is the worst case and it was record in this test report.	

Operating Mode Unintentional 1GHz~5th	Unintentional - CRX
1	CRX - 2.4GHz
2	CRX - 5GHz
3	CRX - Bluetooth 4.0
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode Unintentional 1GHz~10th	Intentional - CTX
1	5GHz

Note: The EUT can only be used in 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 "Telnet" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For CRX Mode:

The EUT was programmed to be in continuously receiving mode.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: 03CH01-CB (below 1GHz) / Intentional-CTX and Unintentional-CRX

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Test Fixture	N/A	N/A	N/A

For Test Site No: 03CH01-CB (above 1GHz) / Intentional-CRX 1GHz ~5th

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Test Fixture	N/A	N/A	N/A

For Test Site No: 03CH01-CB (above 1GHz) / Intentional-CTX 1GHz ~10th

For Non-Beamfoming Mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Test Fixture	N/A	N/A	N/A

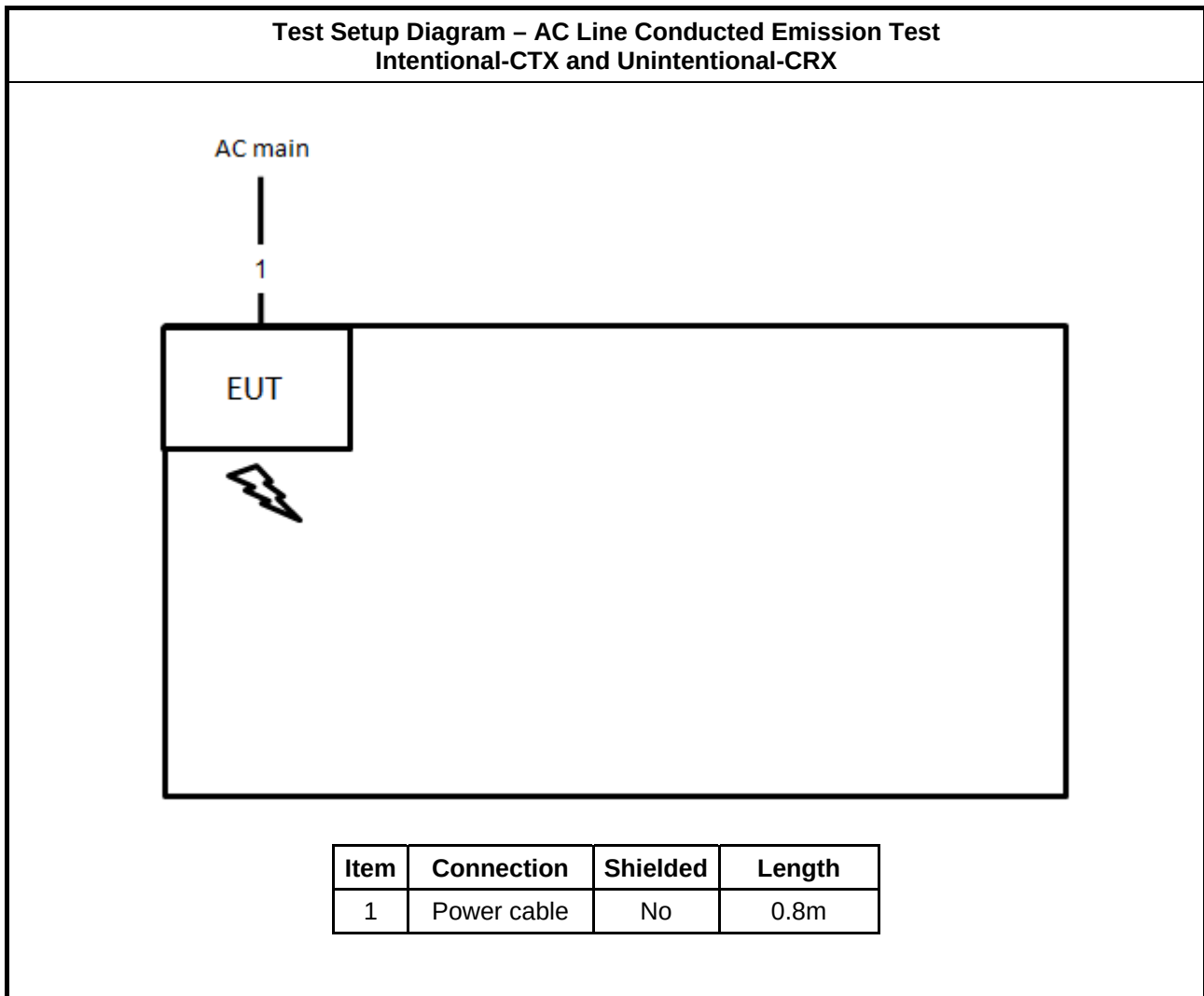
For Beamfoming Mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	RX Device	Foxconn	T77H981	RX Device
3	Test Fixture	N/A	N/A	Test Fixture

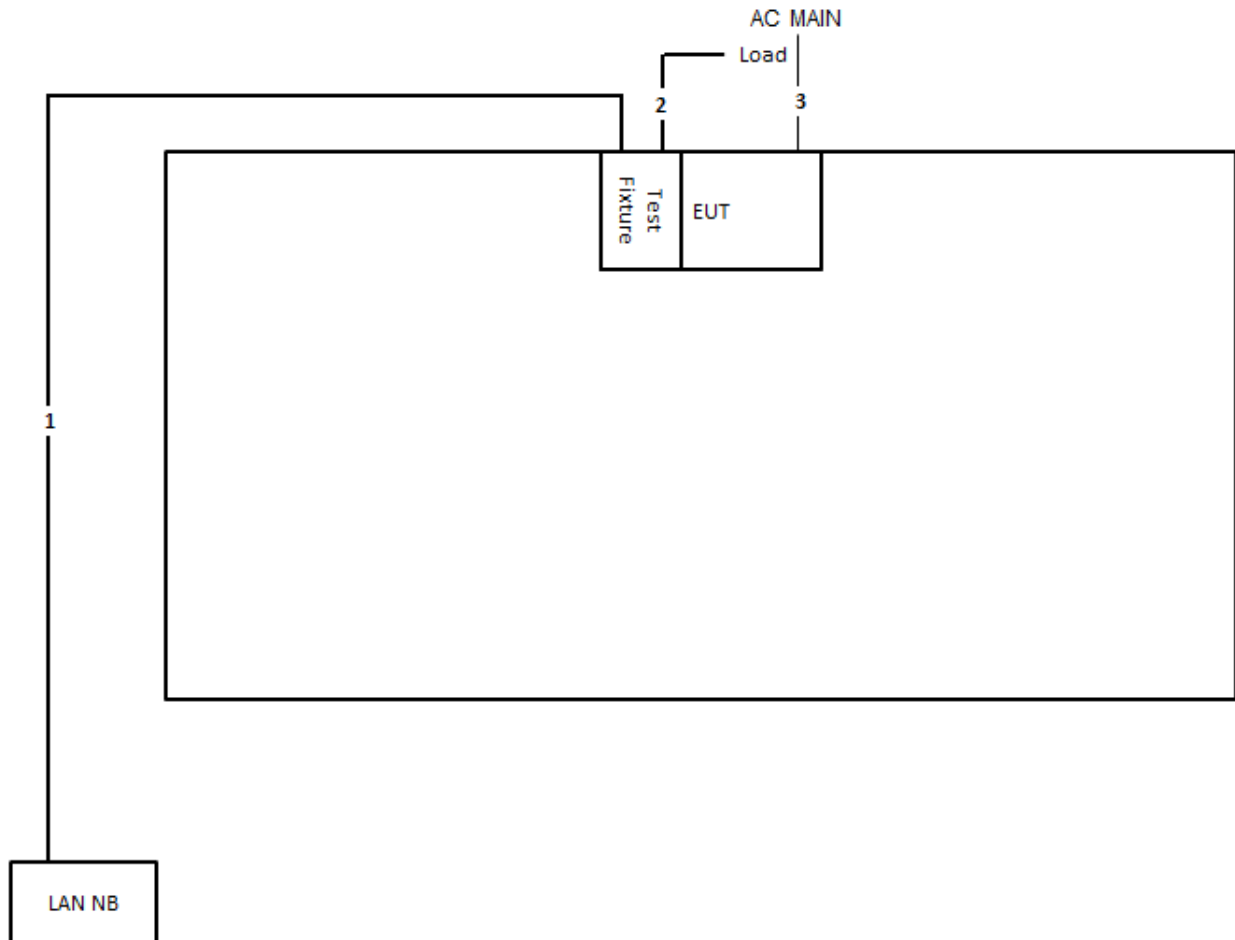
For Test Site No: TH01-CB

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

2.6 Test Setup Diagram

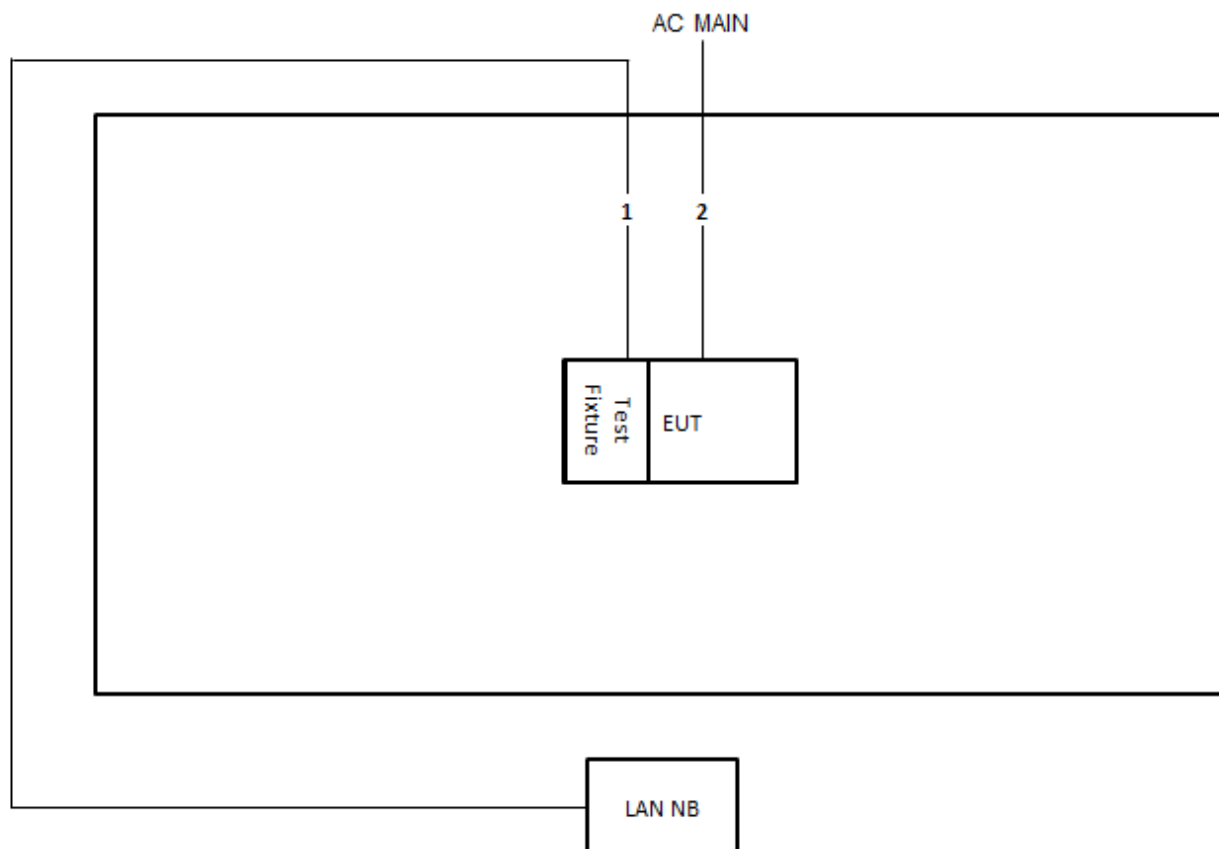


Test Setup Diagram - Radiated Test < 1GHz / Intentional-CTX and Unintentional-CRX /
Radiated Test > 1GHz / Unintentional-CRX 1GHz~5th



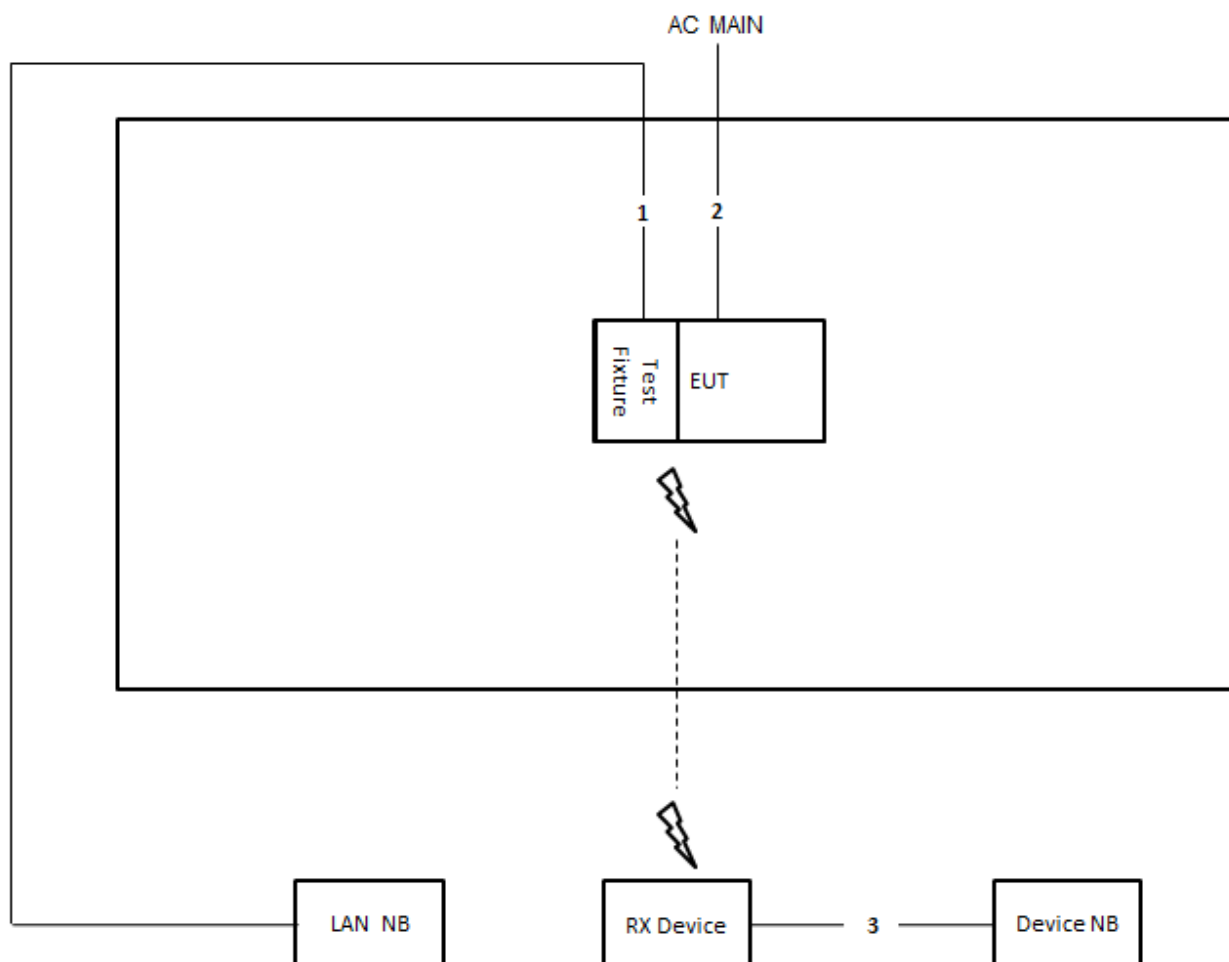
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	Power cable	No	1.8m

**Test Setup Diagram - Radiated Test > 1GHz / Intentional-CTX 1GHz ~10th
For non-beamforming mode**



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

Test Setup Diagram - Radiated Test > 1GHz / Intentional-CTX 1GHz ~10th
For Beamforming mode



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

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.

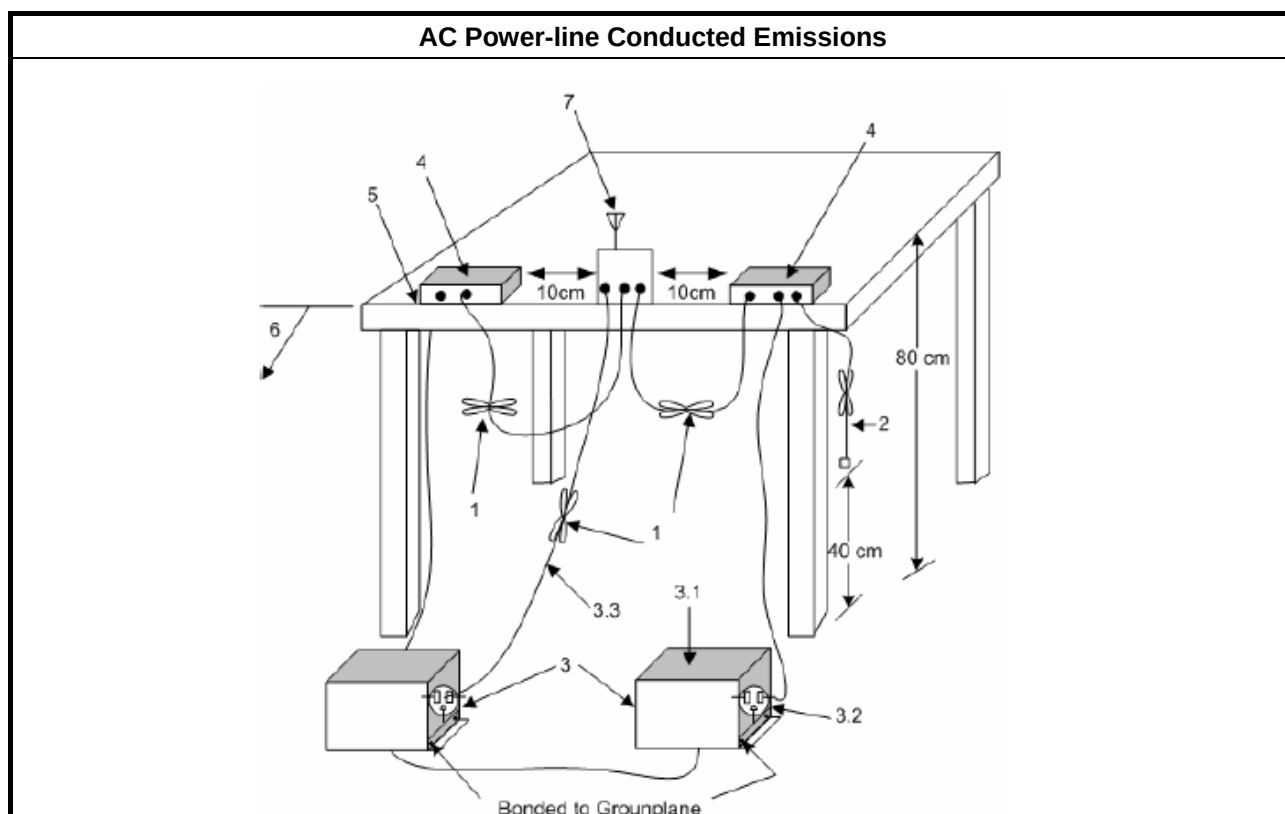
3.1.2 Measuring Instruments

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.

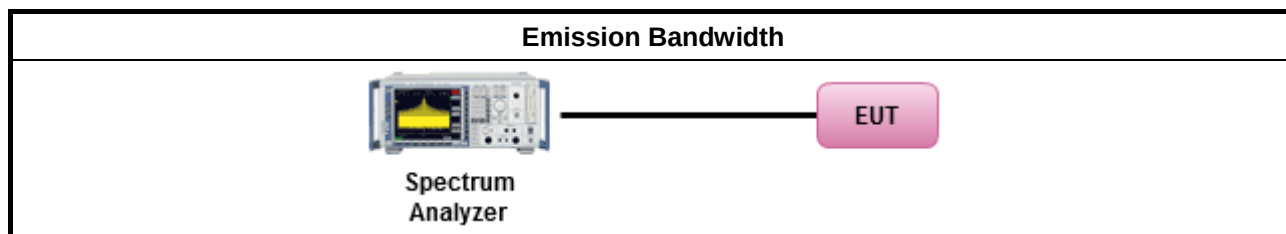
3.2.2 Measuring Instruments

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.	

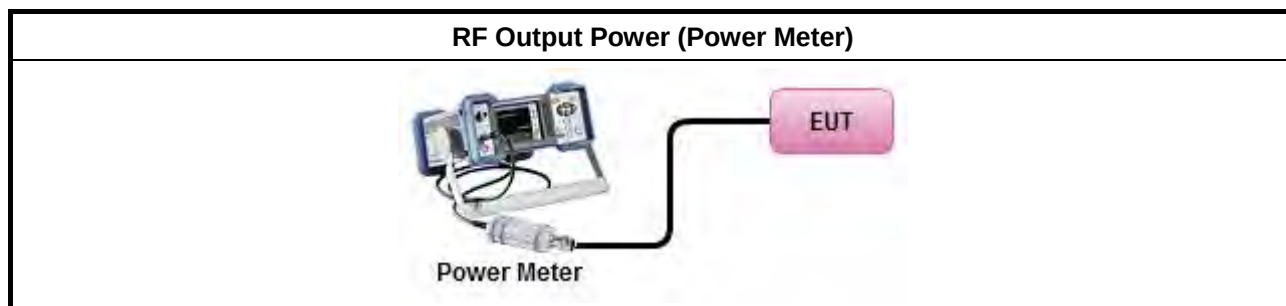
3.3.2 Measuring Instruments

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 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-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.	

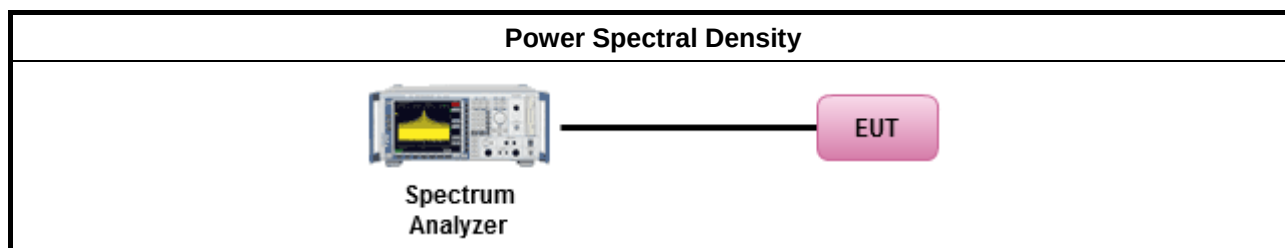
3.4.2 Measuring Instruments

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, F5) 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 PSD 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.

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

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

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

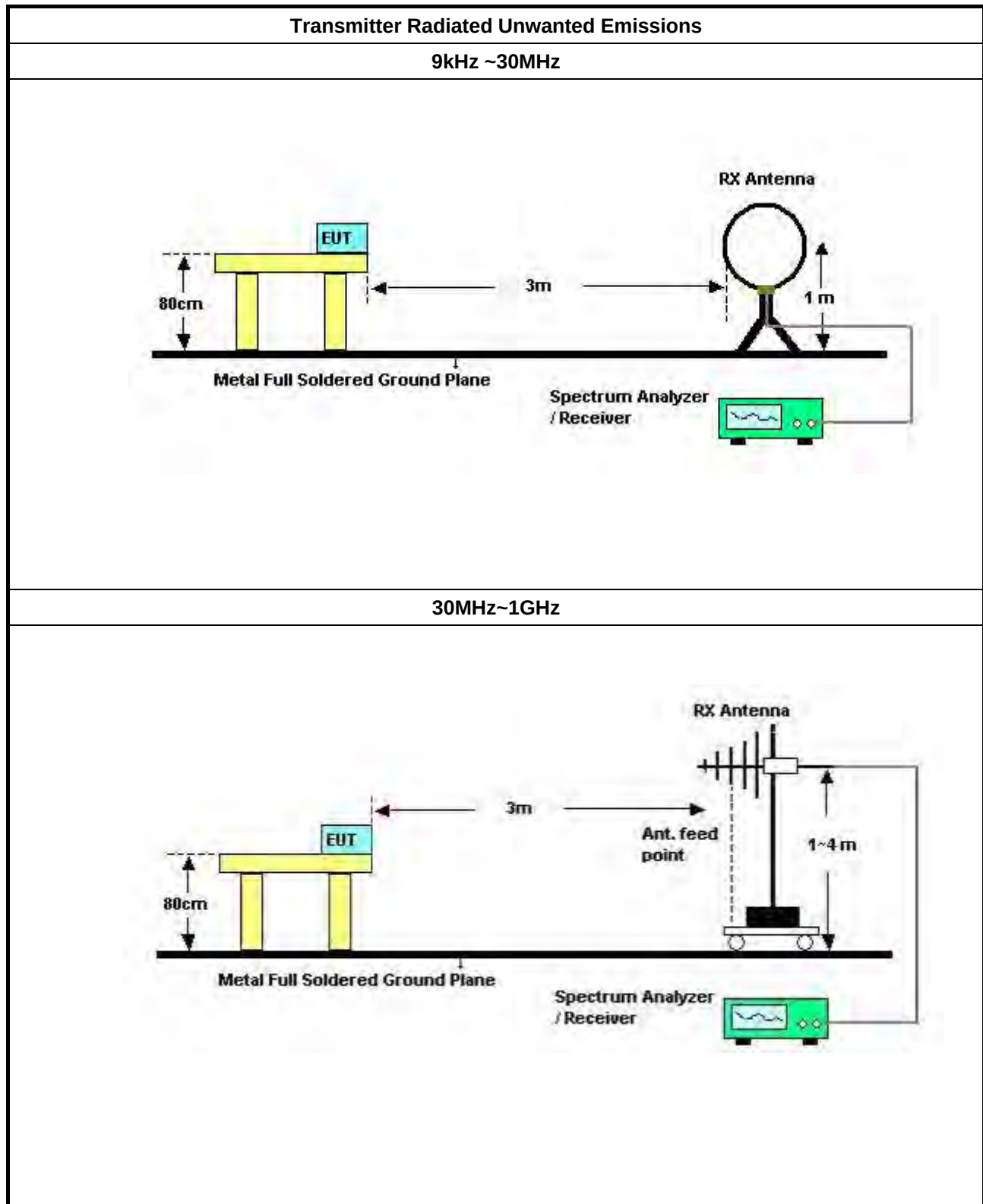
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

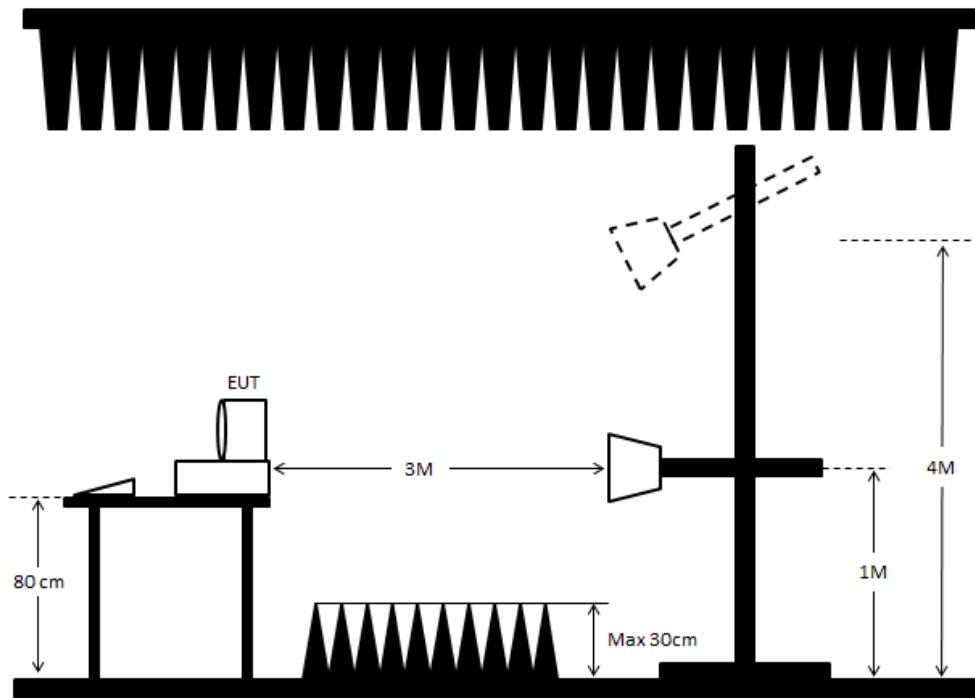
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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

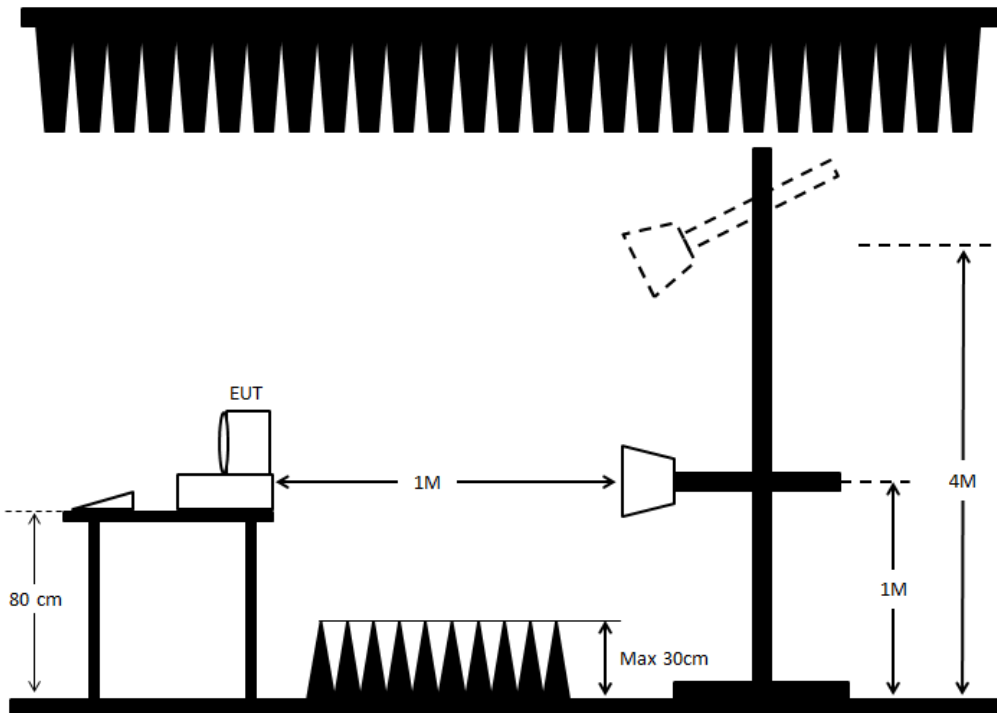


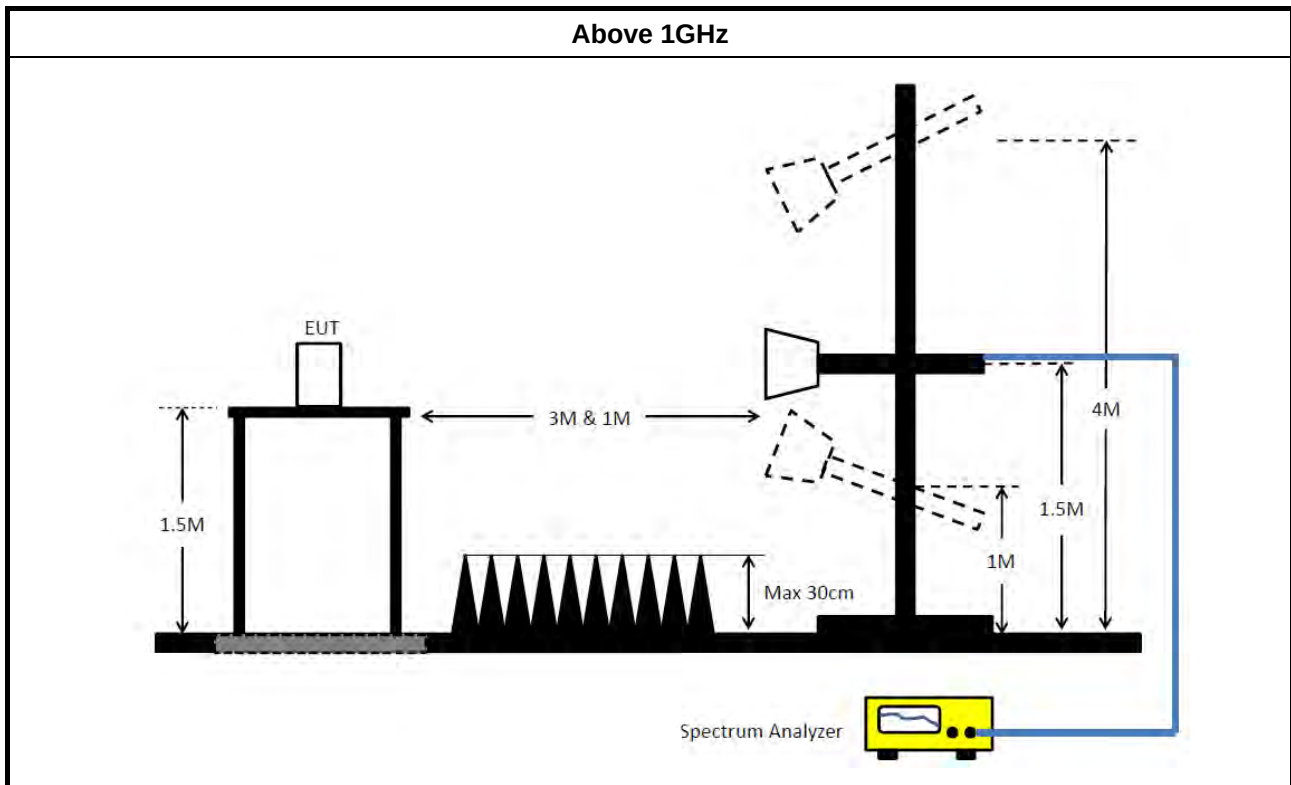
Unintentional 1GHz~5th Harmonic

1,000~18,000 MHz



18,000~30,000 MHz





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.

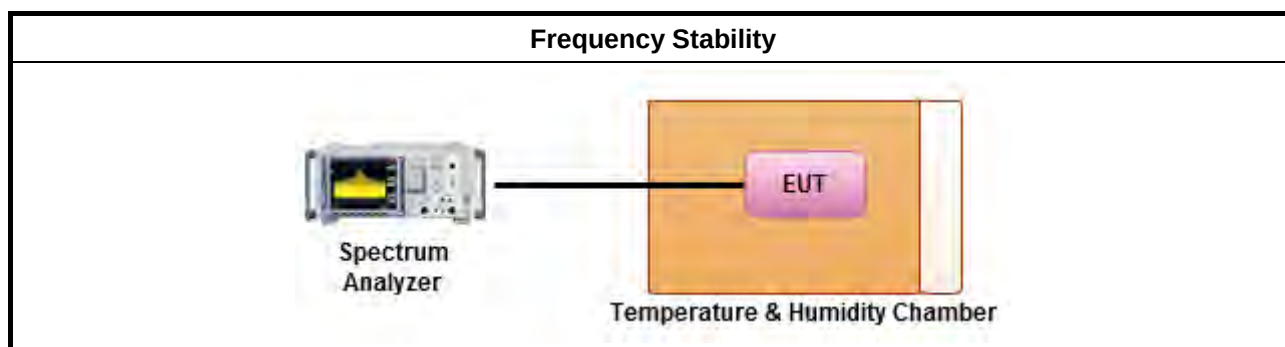
3.6.2 Measuring Instruments

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	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Jan. 22, 2018	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Dec. 13, 2017	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Dec. 20, 2017	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)



NCC Test Report

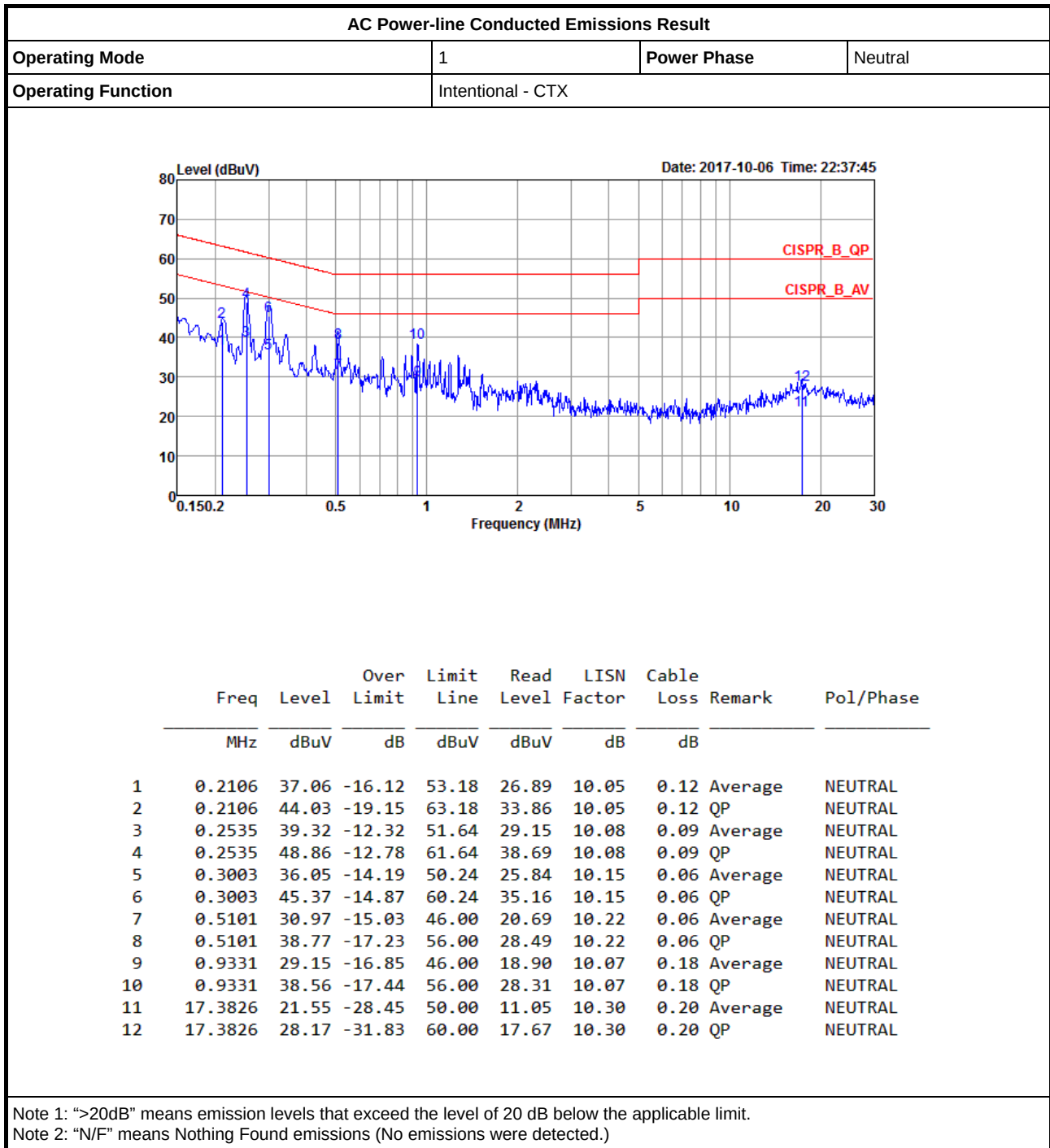
Report No. : TR7O1217AB

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

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

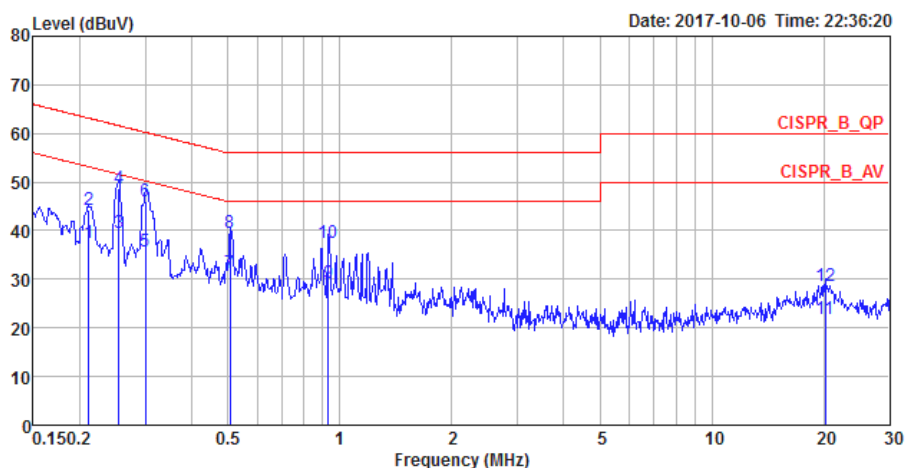
“*” Calibration Interval of instruments listed above is two years.

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



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Intentional - CTX		



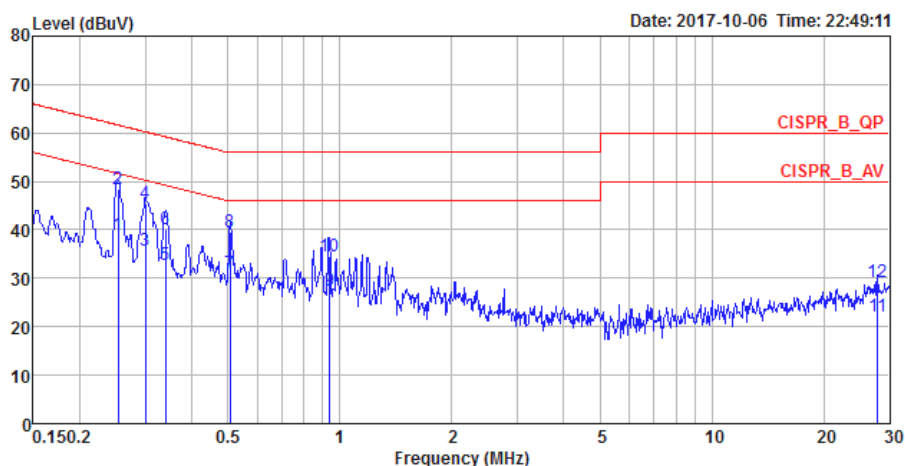
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark	Pol/Phase
	MHz	dBuV	Limit	Line	Level	Factor	Loss		
			dB	dBuV	dBuV	dB	dB		
1	0.2117	37.39	-15.75	53.14	27.35	9.92	0.12	Average	LINE
2	0.2117	44.41	-18.73	63.14	34.37	9.92	0.12	QP	LINE
3	0.2548	39.57	-12.03	51.60	29.56	9.92	0.09	Average	LINE
4	0.2548	48.68	-12.92	61.60	38.67	9.92	0.09	QP	LINE
5	0.3003	35.85	-14.39	50.24	25.86	9.93	0.06	Average	LINE
6	0.3003	46.09	-14.15	60.24	36.10	9.93	0.06	QP	LINE
7	0.5074	31.15	-14.85	46.00	21.14	9.95	0.06	Average	LINE
8	0.5074	39.57	-16.43	56.00	29.56	9.95	0.06	QP	LINE
9	0.9331	29.23	-16.77	46.00	19.09	9.96	0.18	Average	LINE
10	0.9331	37.35	-18.65	56.00	27.21	9.96	0.18	QP	LINE
11	20.1625	21.97	-28.03	50.00	11.43	10.34	0.20	Average	LINE
12	20.1625	28.64	-31.36	60.00	18.10	10.34	0.20	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.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Neutral
Operating Function	Unintentional - CRX		



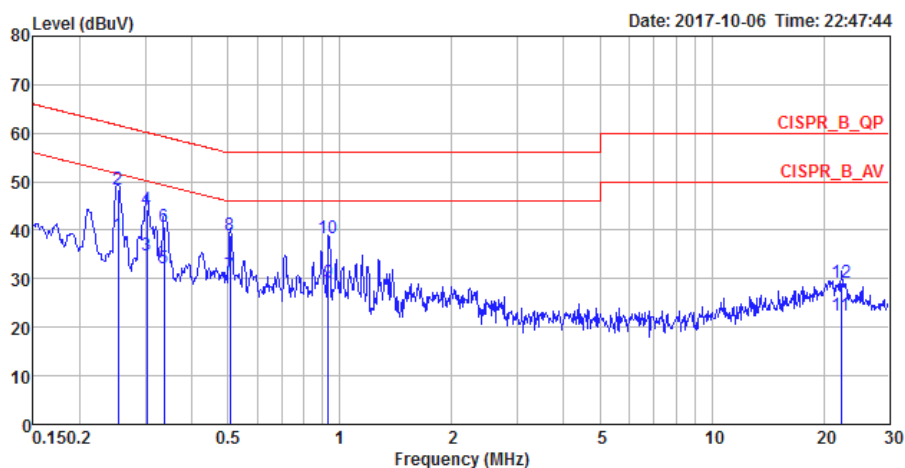
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark	Pol/Phase
	MHz	dBuV	Limit	Line	Level	Factor	Loss		
			dB	dBuV	dBuV	dB	dB		
1	0.2535	39.01	-12.63	51.64	28.84	10.08	0.09	Average	NEUTRAL
2	0.2535	48.50	-13.14	61.64	38.33	10.08	0.09	QP	NEUTRAL
3	0.3003	35.68	-14.56	50.24	25.47	10.15	0.06	Average	NEUTRAL
4	0.3003	45.43	-14.81	60.24	35.22	10.15	0.06	QP	NEUTRAL
5	0.3392	32.66	-16.56	49.22	22.43	10.19	0.04	Average	NEUTRAL
6	0.3392	40.06	-19.16	59.22	29.83	10.19	0.04	QP	NEUTRAL
7	0.5074	30.91	-15.09	46.00	20.63	10.22	0.06	Average	NEUTRAL
8	0.5074	39.52	-16.48	56.00	29.24	10.22	0.06	QP	NEUTRAL
9	0.9381	27.49	-18.51	46.00	17.24	10.07	0.18	Average	NEUTRAL
10	0.9381	34.61	-21.39	56.00	24.36	10.07	0.18	QP	NEUTRAL
11	27.8552	22.23	-27.77	50.00	11.43	10.53	0.27	Average	NEUTRAL
12	27.8552	29.20	-30.80	60.00	18.40	10.53	0.27	QP	NEUTRAL

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Line
Operating Function	Unintentional - CRX		



	Freq	Level	Over	Limit	Read	LISN	Cable		
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark	Pol/Phase
			dB	dBuV	dBuV	dB	dB		
1	0.2535	38.82	-12.82	51.64	28.81	9.92	0.09	Average	LINE
2	0.2535	48.48	-13.16	61.64	38.47	9.92	0.09	QP	LINE
3	0.3035	34.78	-15.37	50.15	24.79	9.93	0.06	Average	LINE
4	0.3035	44.31	-15.84	60.15	34.32	9.93	0.06	QP	LINE
5	0.3374	32.27	-17.00	49.27	22.29	9.94	0.04	Average	LINE
6	0.3374	40.80	-18.47	59.27	30.82	9.94	0.04	QP	LINE
7	0.5074	30.72	-15.28	46.00	20.71	9.95	0.06	Average	LINE
8	0.5074	39.05	-16.95	56.00	29.04	9.95	0.06	QP	LINE
9	0.9331	29.22	-16.78	46.00	19.08	9.96	0.18	Average	LINE
10	0.9331	38.27	-17.73	56.00	28.13	9.96	0.18	QP	LINE
11	22.2979	22.53	-27.47	50.00	11.93	10.38	0.22	Average	LINE
12	22.2979	29.31	-30.69	60.00	18.71	10.38	0.22	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)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	41.425M	23.513M	23M5D1D	20.025M	16.417M
802.11ac VHT20_Nss1,(MCS0)_2TX	45.25M	24.488M	24M5D1D	21M	17.666M
802.11ac VHT40_Nss1,(MCS0)_2TX	76.45M	36.482M	36M5D1D	39.6M	35.932M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.8M	75.762M	75M8D1D	83.6M	75.762M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	23.925M	17.666M	17M7D1D	20.575M	17.591M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	39.8M	36.032M	36M0D1D	38.4M	35.932M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	80.9M	75.762M	75M8D1D	80.1M	75.462M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.325M	16.692M	16M7D1D	16.3M	16.442M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.575M	18.216M	18M2D1D	17.525M	17.691M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.95M	36.582M	36M6D1D	34.75M	36.182M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.7M	76.162M	76M2D1D	74M	75.862M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.575M	17.791M	17M8D1D	17.275M	17.641M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	35.7M	36.232M	36M2D1D	34.05M	36.032M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	74.9M	75.762M	75M8D1D	71.2M	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;

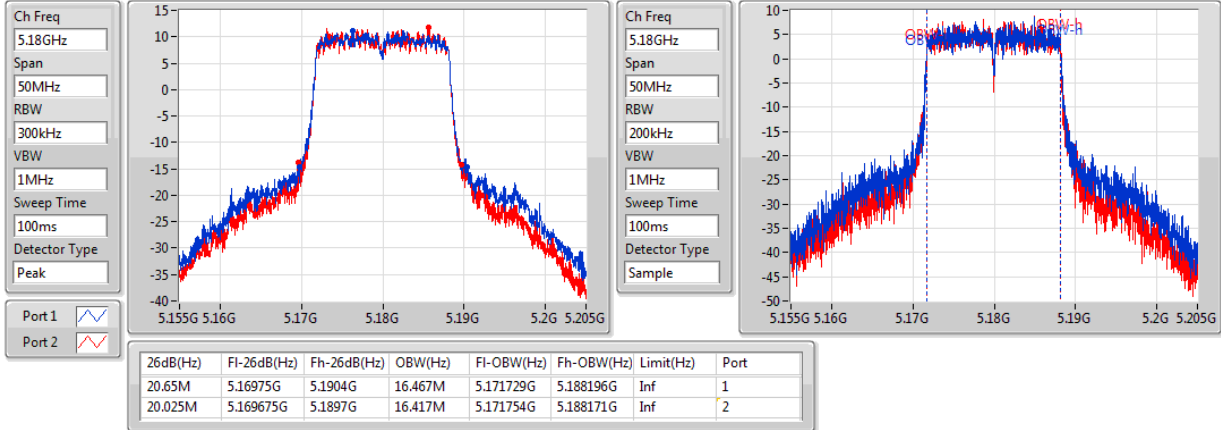
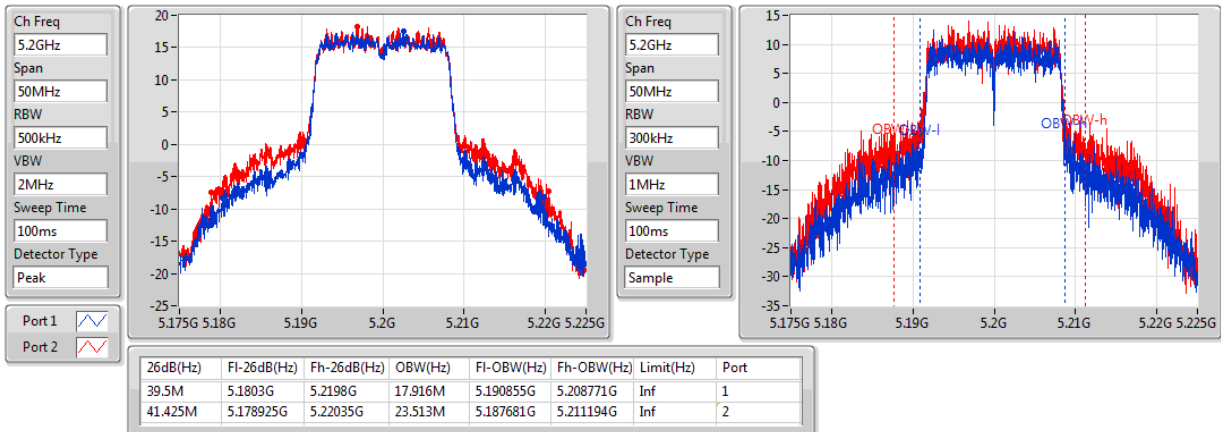
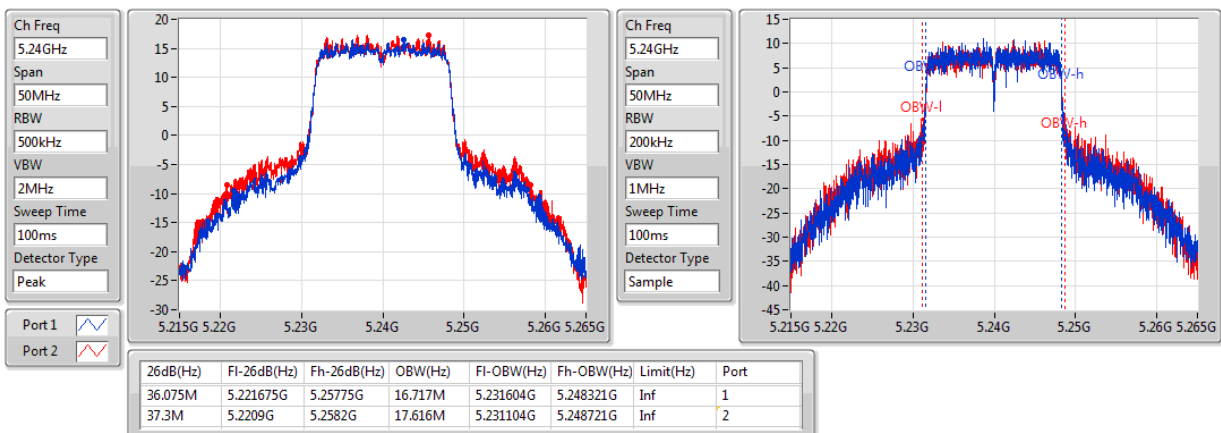
Min-OBW = Minimum 99% occupied bandwidth;

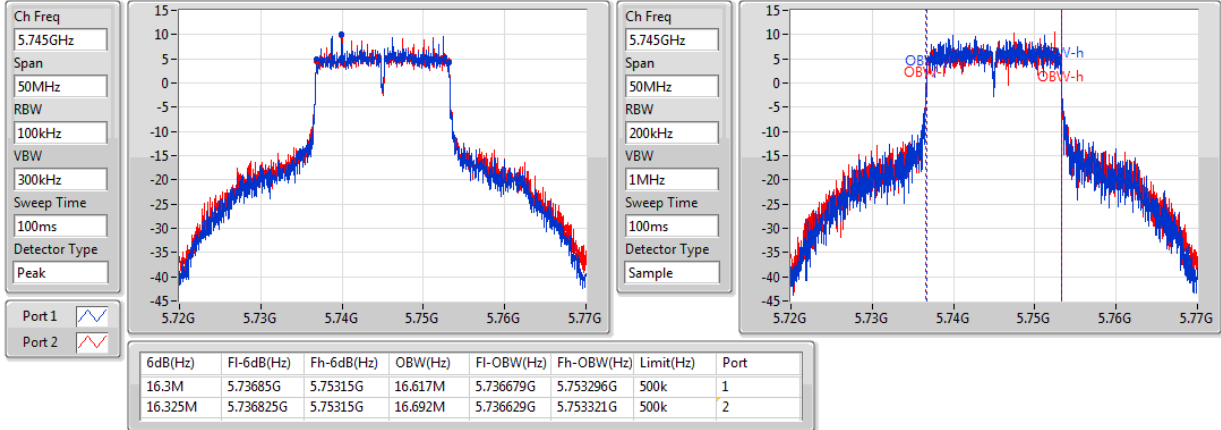
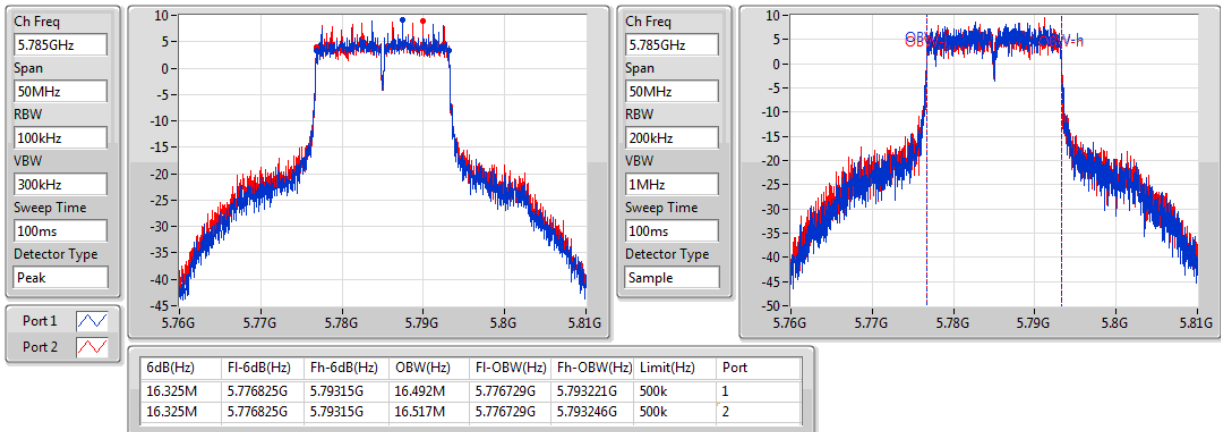
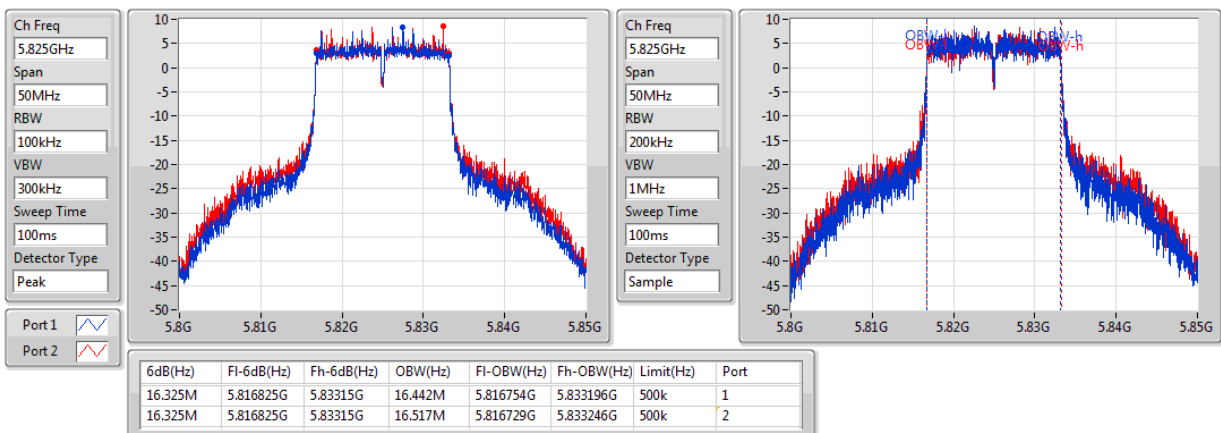
Result

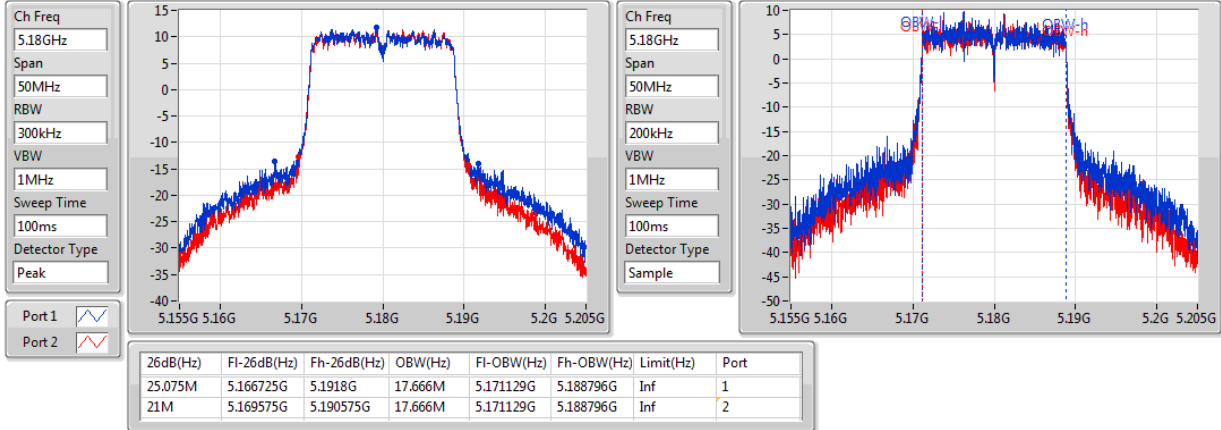
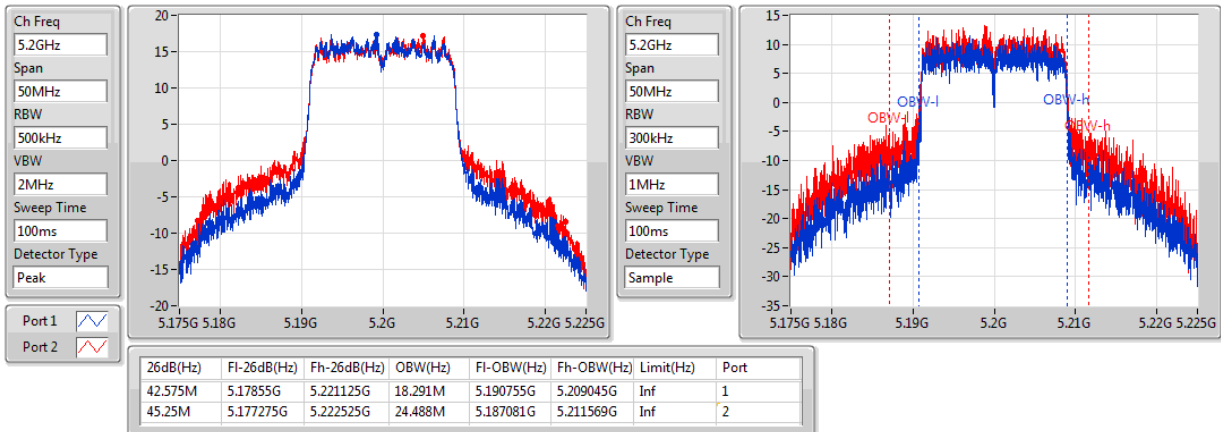
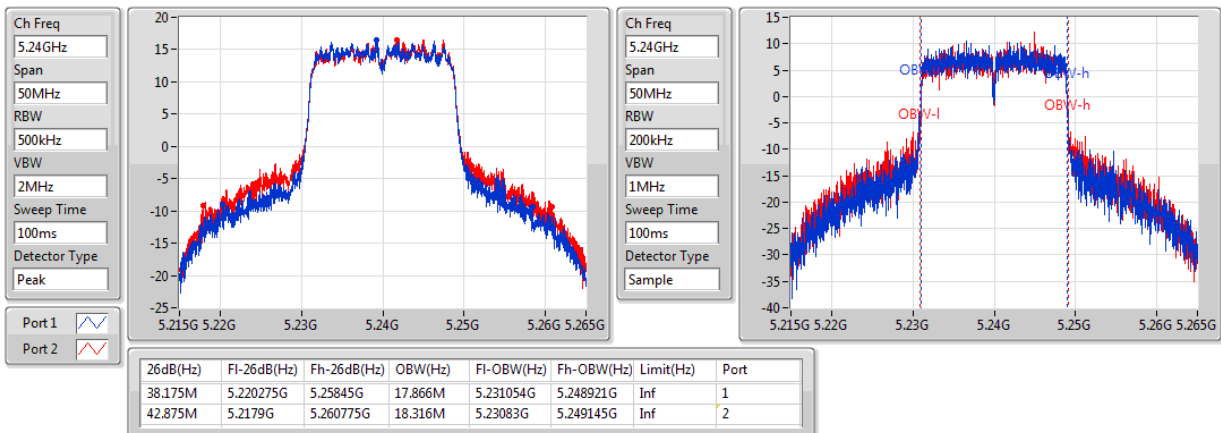
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.65M	16.467M	20.025M	16.417M
5200MHz	Pass	Inf	39.5M	17.916M	41.425M	23.513M
5240MHz	Pass	Inf	36.075M	16.717M	37.3M	17.616M
5745MHz	Pass	500k	16.3M	16.617M	16.325M	16.692M
5785MHz	Pass	500k	16.325M	16.492M	16.325M	16.517M
5825MHz	Pass	500k	16.325M	16.442M	16.325M	16.517M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	25.075M	17.666M	21M	17.666M
5200MHz	Pass	Inf	42.575M	18.291M	45.25M	24.488M
5240MHz	Pass	Inf	38.175M	17.866M	42.875M	18.316M
5745MHz	Pass	500k	17.525M	17.891M	17.575M	18.216M
5785MHz	Pass	500k	17.575M	17.741M	17.575M	17.791M
5825MHz	Pass	500k	17.55M	17.691M	17.55M	17.766M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.7M	36.032M	39.6M	35.932M
5230MHz	Pass	Inf	76.45M	36.382M	76.35M	36.482M
5755MHz	Pass	500k	34.75M	36.382M	35.95M	36.582M
5795MHz	Pass	500k	35.05M	36.182M	34.95M	36.382M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.8M	75.762M	83.6M	75.762M
5775MHz	Pass	500k	75.7M	75.862M	74M	76.162M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	23.925M	17.666M	20.575M	17.666M
5200MHz	Pass	Inf	21.25M	17.666M	20.65M	17.616M
5240MHz	Pass	Inf	20.95M	17.591M	20.6M	17.666M
5745MHz	Pass	500k	17.275M	17.666M	17.575M	17.691M
5785MHz	Pass	500k	17.525M	17.641M	17.575M	17.716M
5825MHz	Pass	500k	17.575M	17.641M	17.55M	17.791M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	38.4M	35.932M	38.7M	35.932M
5230MHz	Pass	Inf	39.8M	36.032M	39.8M	35.982M
5755MHz	Pass	500k	34.05M	36.032M	35.05M	36.232M
5795MHz	Pass	500k	35.7M	36.182M	35M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	80.1M	75.462M	80.9M	75.762M
5775MHz	Pass	500k	71.2M	75.762M	74.9M	75.562M

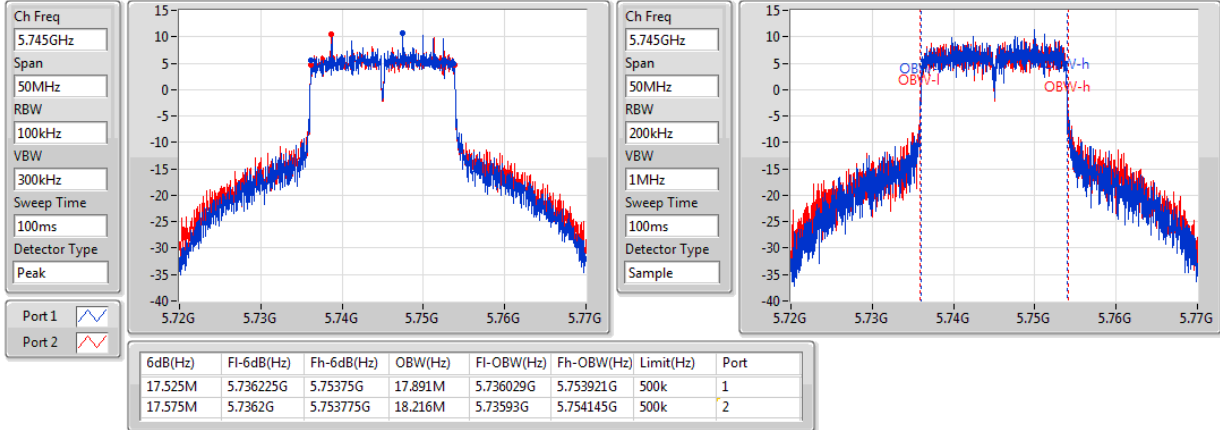
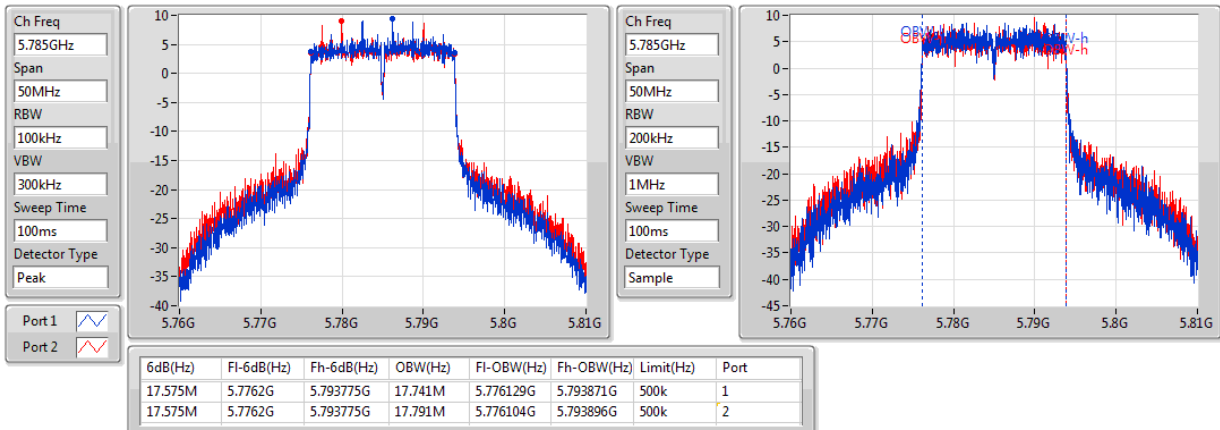
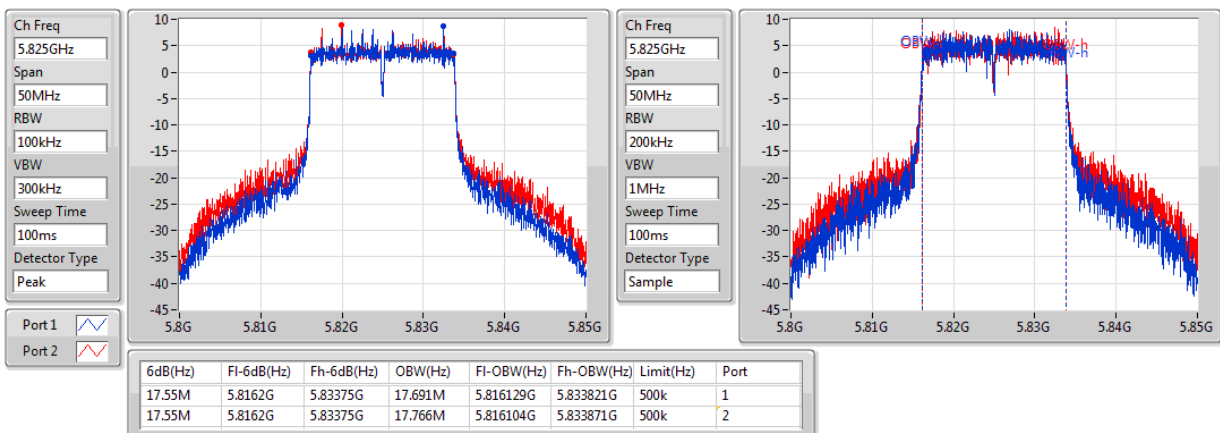
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

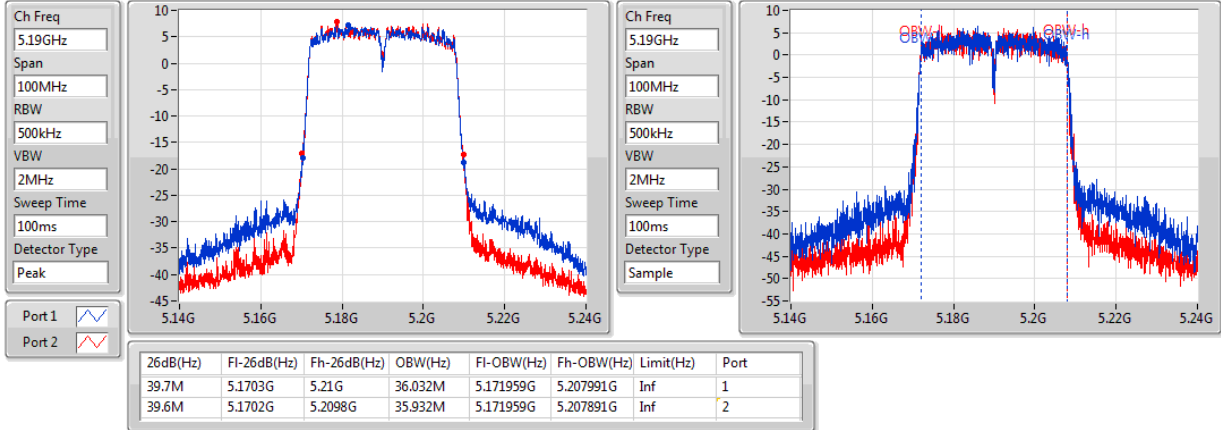
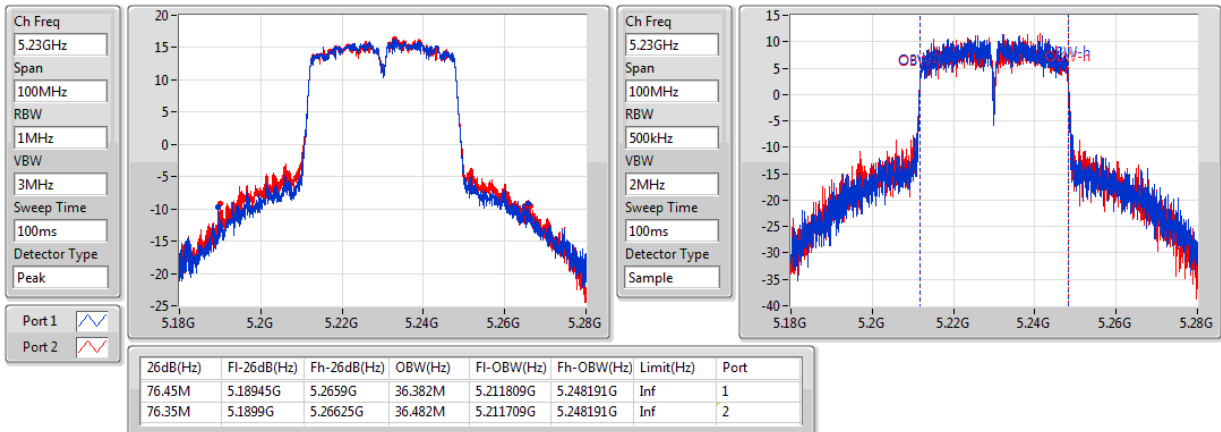
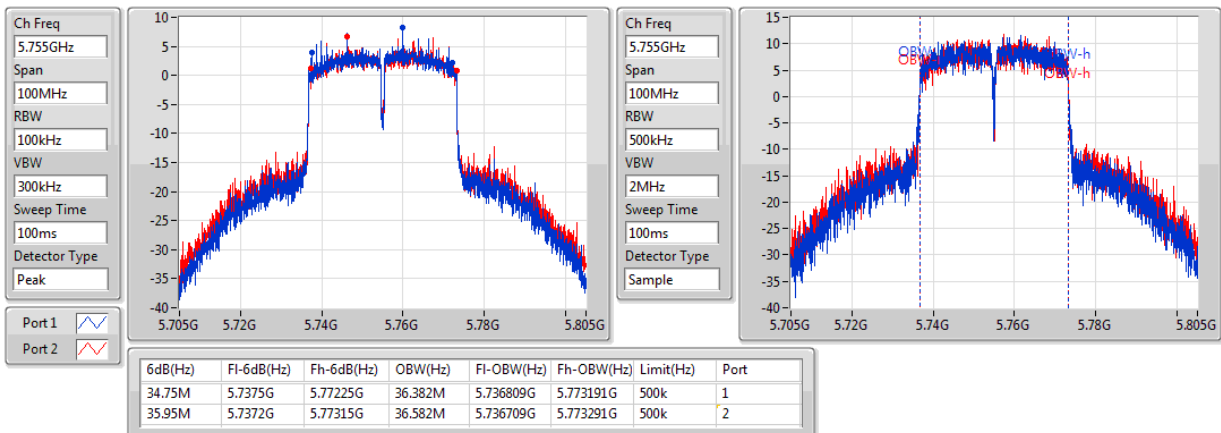
Port X-OBW = Port X 99% occupied bandwidth;

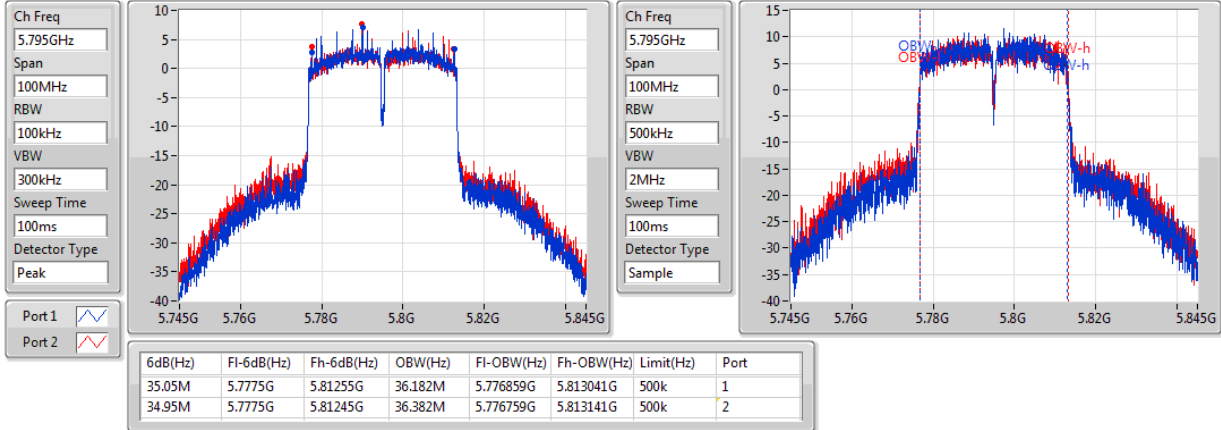
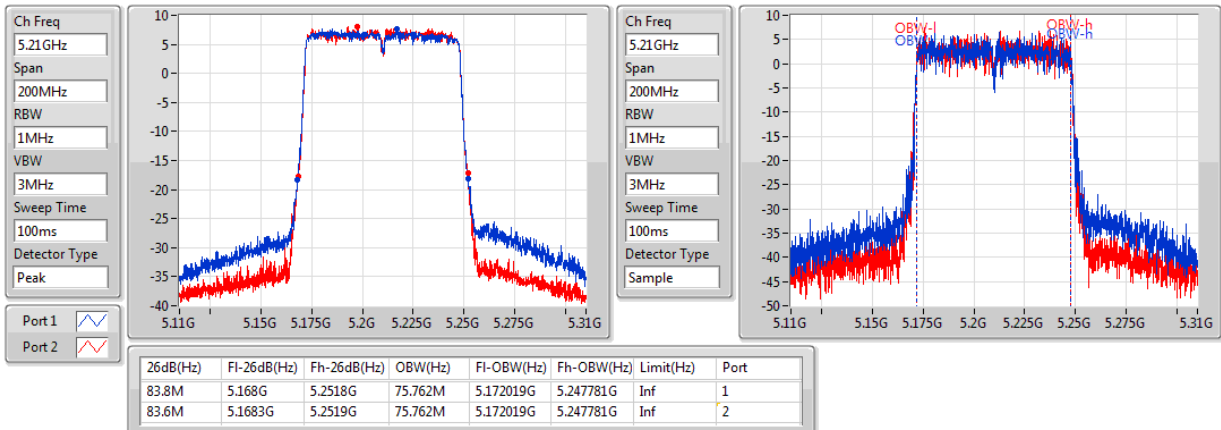
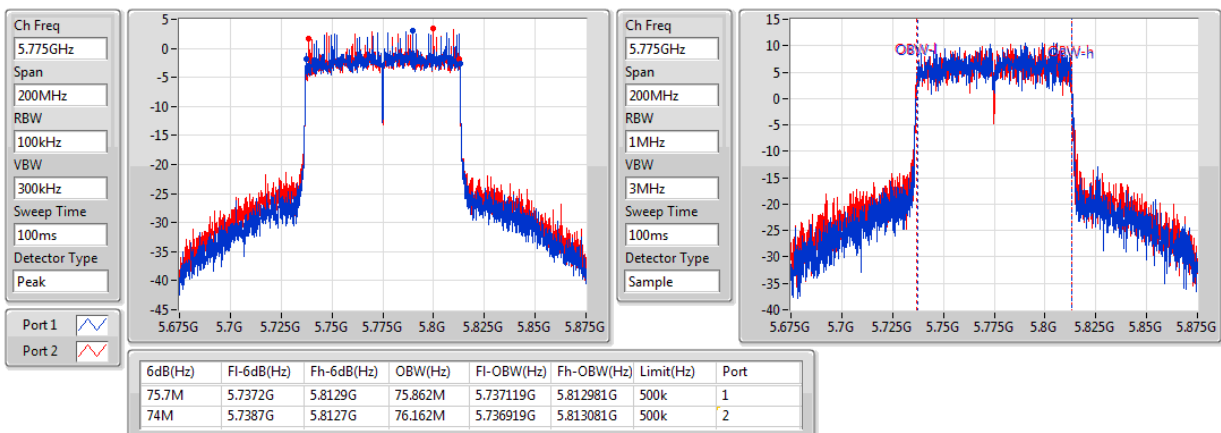
802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz


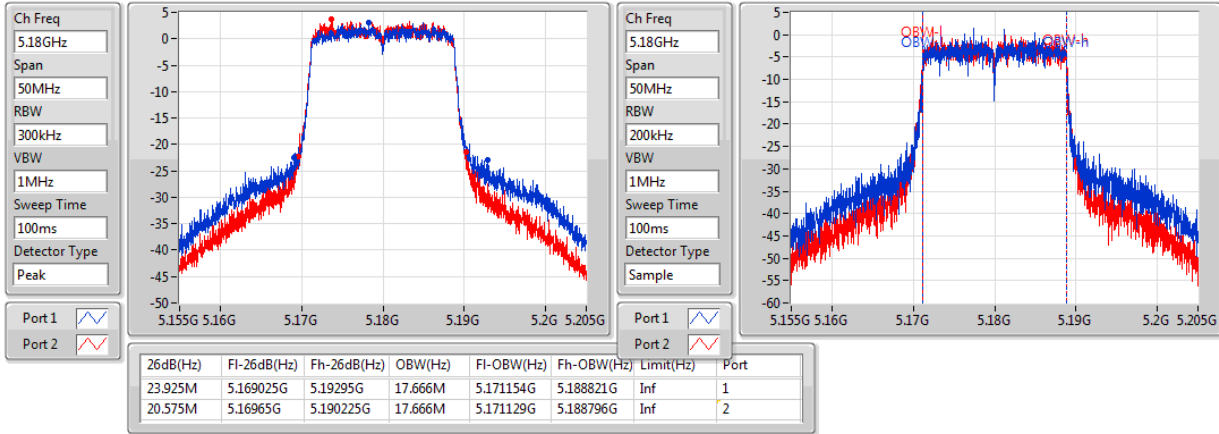
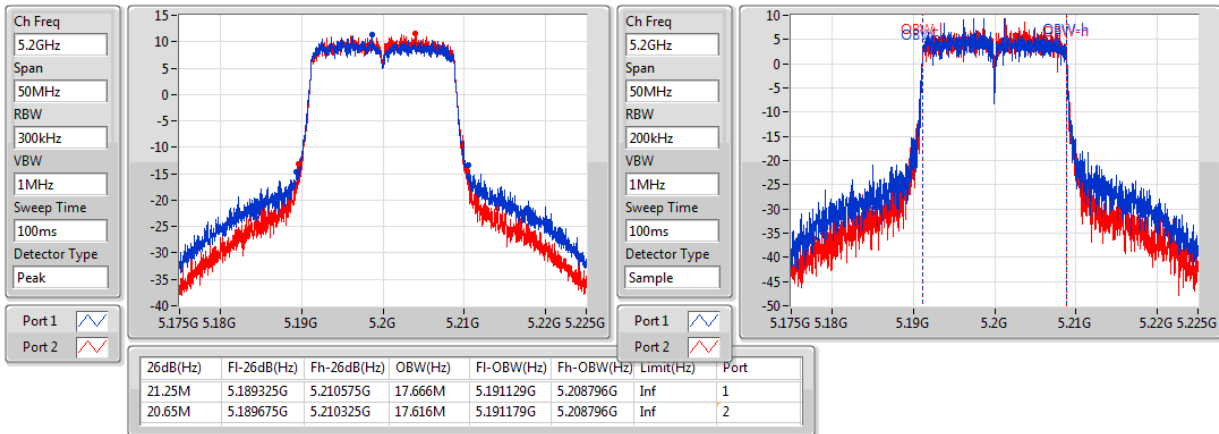
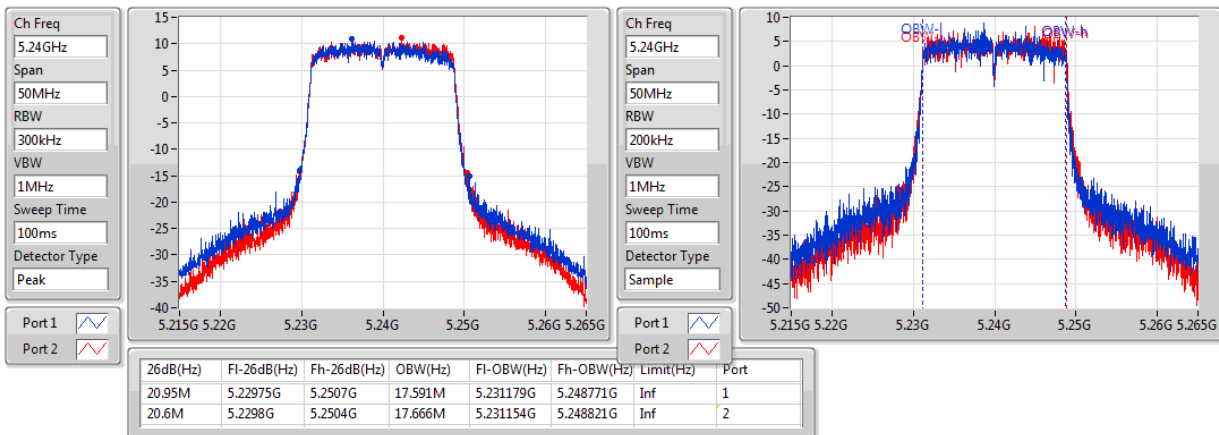
802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz


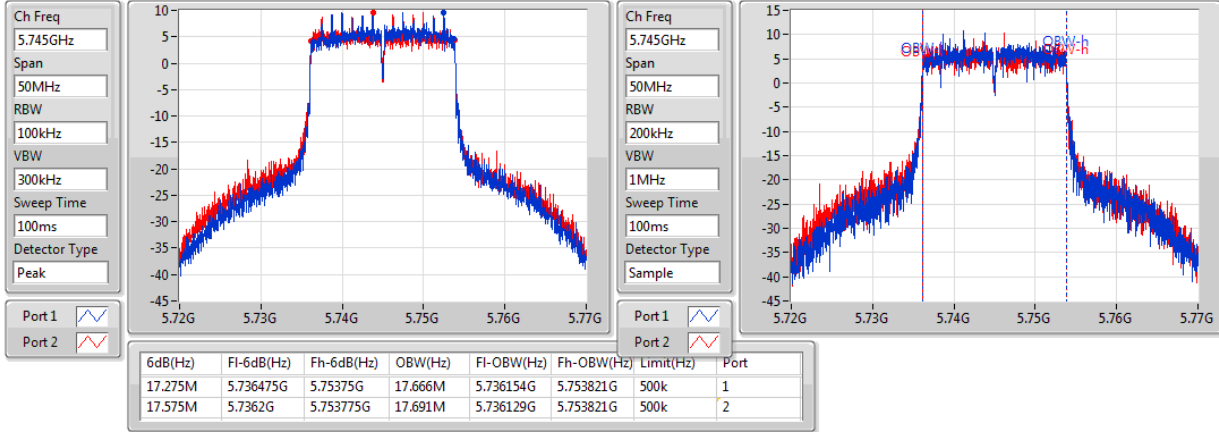
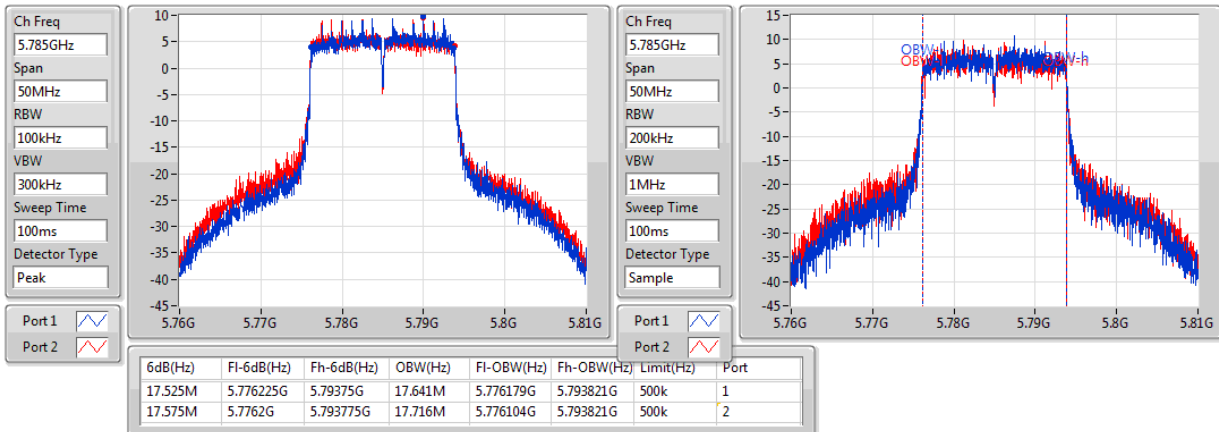
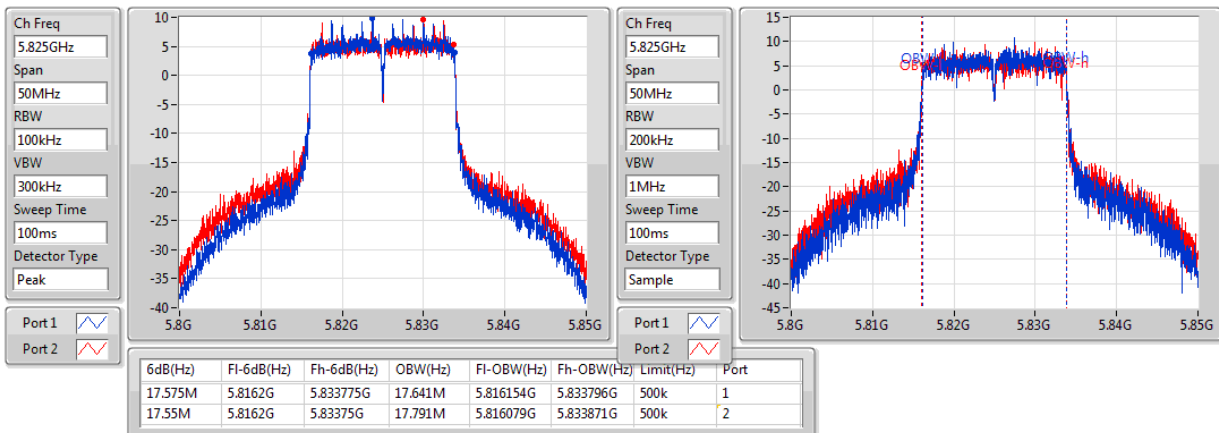
802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz


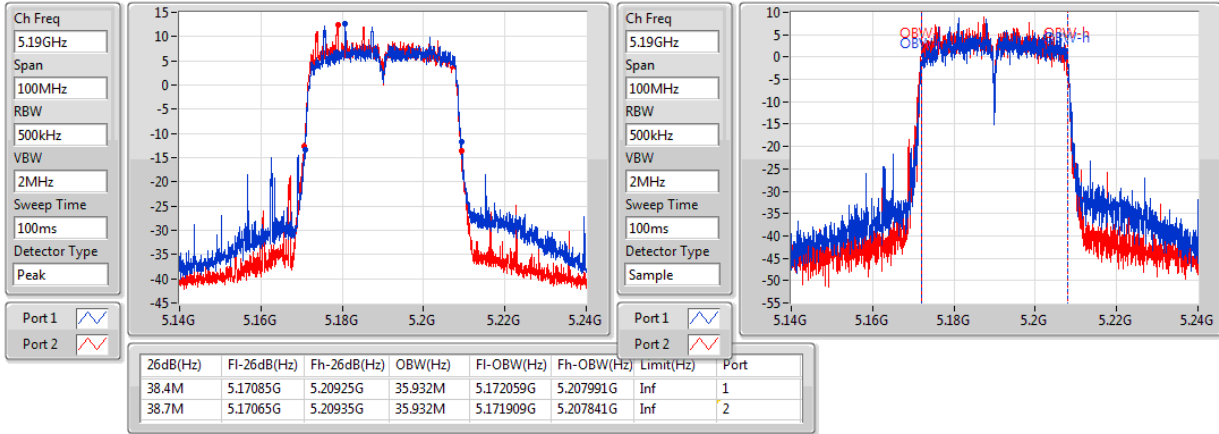
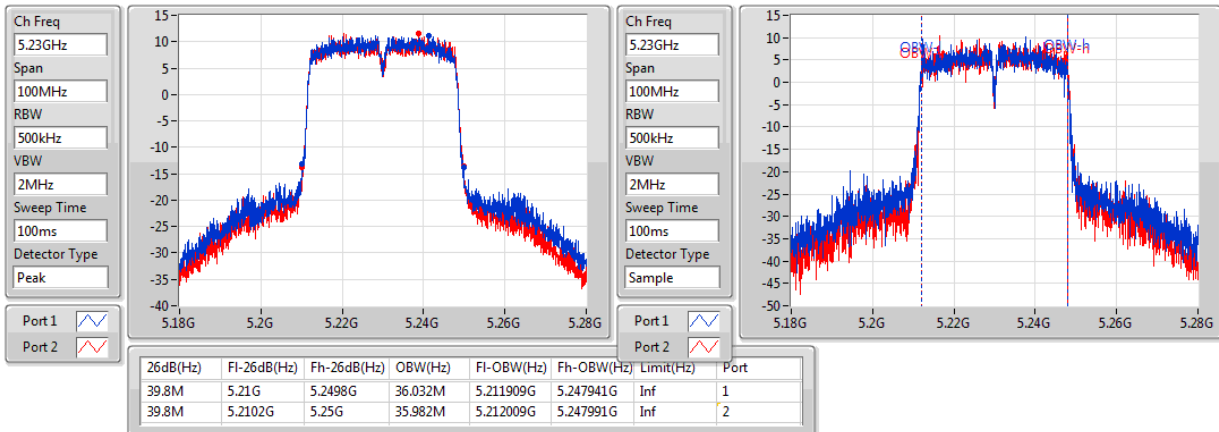
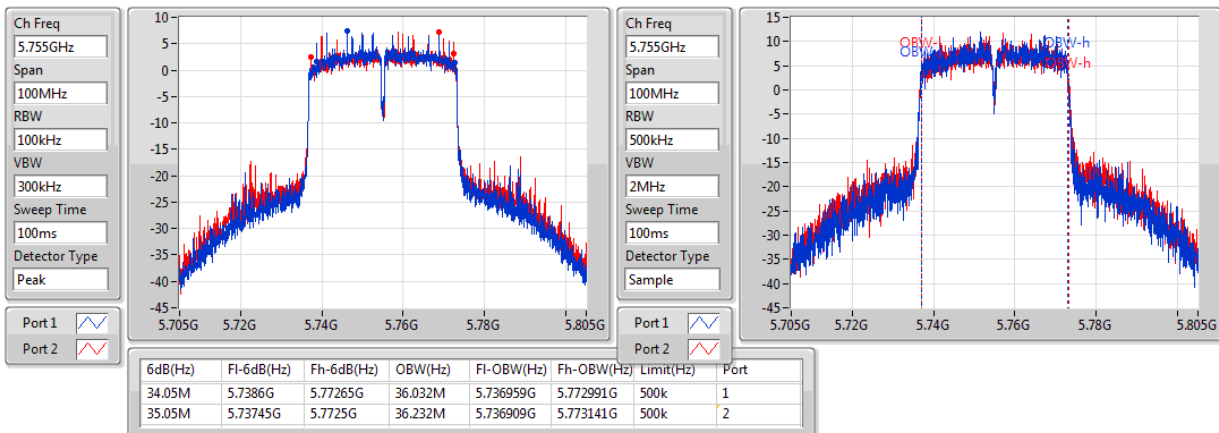
802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5785MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5825MHz


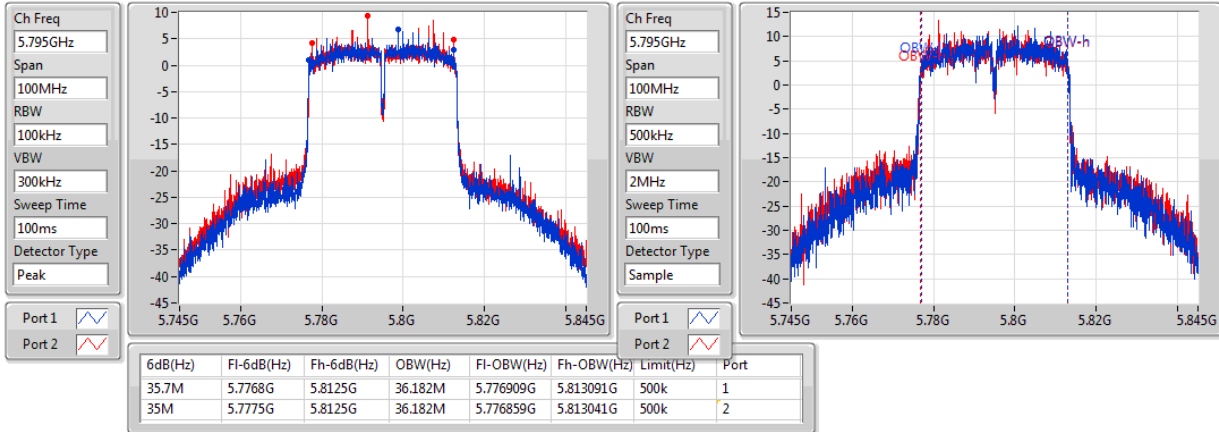
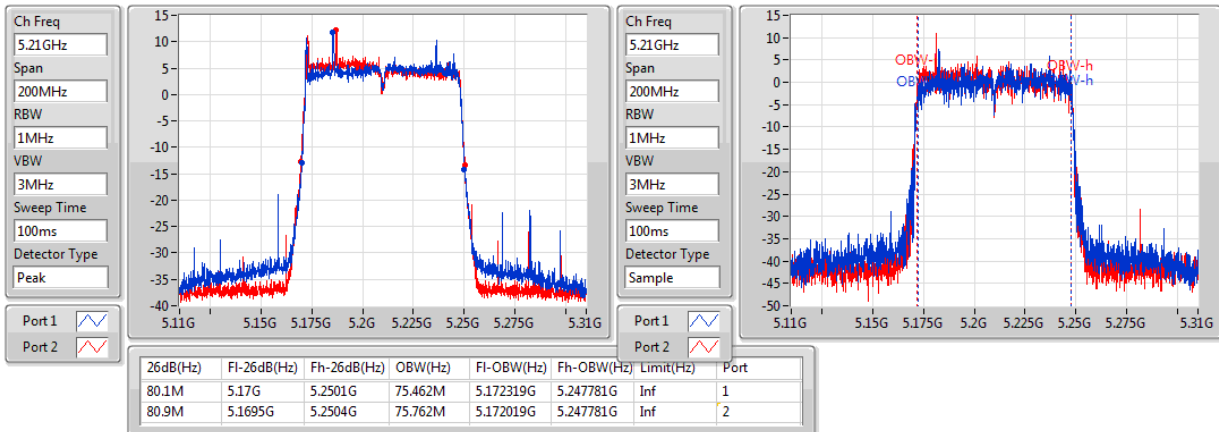
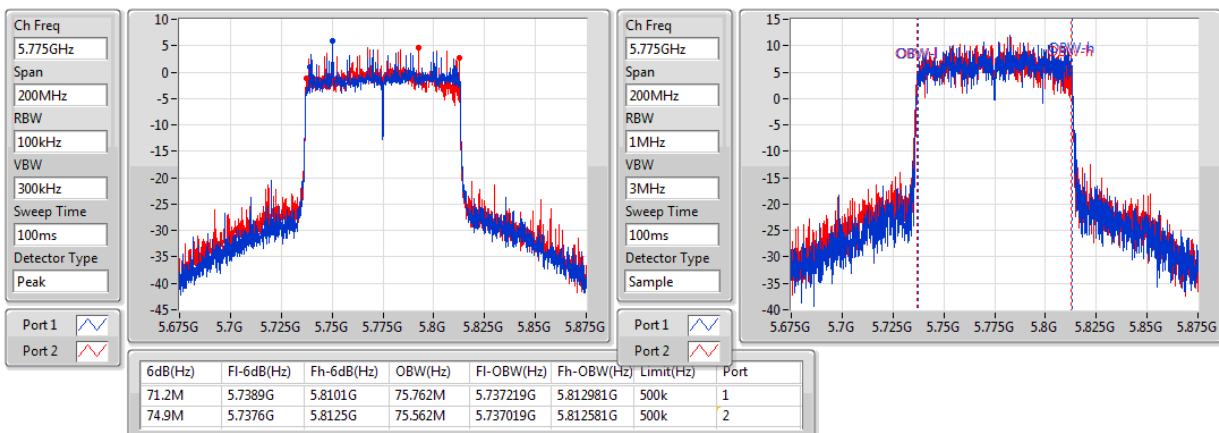
802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5755MHz


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5795MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5775MHz


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5180MHz

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5240MHz


802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5745MHz

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5785MHz

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
EBW
5825MHz


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5190MHz

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5230MHz

802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5755MHz


802.11ac VHT40-BF_Nss1,(MCS0)_2TX
EBW
5795MHz

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5210MHz

802.11ac VHT80-BF_Nss1,(MCS0)_2TX
EBW
5775MHz


**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	28.17	0.65615	32.96	1.97697
802.11ac VHT20_Nss1,(MCS0)_2TX	28.17	0.65615	32.96	1.97697
802.11ac VHT40_Nss1,(MCS0)_2TX	26.65	0.46238	31.44	1.39316
802.11ac VHT80_Nss1,(MCS0)_2TX	21.28	0.13428	26.07	0.40458
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	24.18	0.26182	31.98	1.57761
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	23.91	0.24604	31.71	1.48252
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	19.12	0.08166	26.92	0.49204
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.27	0.42364	31.06	1.27644
802.11ac VHT20_Nss1,(MCS0)_2TX	27.56	0.57016	32.35	1.71791
802.11ac VHT40_Nss1,(MCS0)_2TX	27.46	0.55719	32.25	1.67880
802.11ac VHT80_Nss1,(MCS0)_2TX	25.35	0.34277	30.14	1.03276
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	25.62	0.36475	33.42	2.19786
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	25.81	0.38107	33.61	2.29615
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	25.26	0.33574	33.06	2.02302

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.79	20.77	20.67	23.73	30.00	28.52	36.00
5200MHz	Pass	4.79	25.21	25.11	28.17	30.00	32.96	36.00
5240MHz	Pass	4.79	24.97	24.73	27.86	30.00	32.65	36.00
5745MHz	Pass	4.79	23.45	23.06	26.27	30.00	31.06	36.00
5785MHz	Pass	4.79	22.42	22.16	25.30	30.00	30.09	36.00
5825MHz	Pass	4.79	21.89	21.82	24.87	30.00	29.66	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.79	21.37	21.15	24.27	30.00	29.06	36.00
5200MHz	Pass	4.79	25.17	25.14	28.17	30.00	32.96	36.00
5240MHz	Pass	4.79	24.99	24.73	27.87	30.00	32.66	36.00
5745MHz	Pass	4.79	24.72	24.38	27.56	30.00	32.35	36.00
5785MHz	Pass	4.79	22.92	22.63	25.79	30.00	30.58	36.00
5825MHz	Pass	4.79	22.42	22.41	25.43	30.00	30.22	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.79	18.11	18.03	21.08	30.00	25.87	36.00
5230MHz	Pass	4.79	23.72	23.55	26.65	30.00	31.44	36.00
5755MHz	Pass	4.79	24.57	24.32	27.46	30.00	32.25	36.00
5795MHz	Pass	4.79	23.38	23.03	26.22	30.00	31.01	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.79	18.36	18.18	21.28	30.00	26.07	36.00
5775MHz	Pass	4.79	22.48	22.20	25.35	30.00	30.14	36.00
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.80	20.86	21.07	23.98	28.20	31.78	36.00
5200MHz	Pass	7.80	21.06	21.28	24.18	28.20	31.98	36.00
5240MHz	Pass	7.80	20.58	20.87	23.74	28.20	31.54	36.00
5745MHz	Pass	7.80	22.66	22.26	25.47	28.20	33.27	36.00
5785MHz	Pass	7.80	21.86	21.42	24.66	28.20	32.46	36.00
5825MHz	Pass	7.80	22.69	22.53	25.62	28.20	33.42	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.80	18.35	18.57	21.47	28.20	29.27	36.00
5230MHz	Pass	7.80	20.93	20.86	23.91	28.20	31.71	36.00
5755MHz	Pass	7.80	22.79	22.53	25.67	28.20	33.47	36.00
5795MHz	Pass	7.80	22.87	22.72	25.81	28.20	33.61	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.80	15.89	16.32	19.12	28.20	26.92	36.00
5775MHz	Pass	7.80	22.37	22.12	25.26	28.20	33.06	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	13.26	21.06
802.11ac VHT20_Nss1,(MCS0)_2TX	12.79	20.59
802.11ac VHT40_Nss1,(MCS0)_2TX	9.15	16.95
802.11ac VHT80_Nss1,(MCS0)_2TX	0.62	8.42
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	9.64	17.44
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.34	14.14
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-1.94	5.86
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.92	17.72
802.11ac VHT20_Nss1,(MCS0)_2TX	10.07	17.87
802.11ac VHT40_Nss1,(MCS0)_2TX	7.64	15.44
802.11ac VHT80_Nss1,(MCS0)_2TX	2.96	10.76
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	9.54	17.34
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.43	14.23
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.40	11.20

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.80	6.94	6.90	9.86	15.20	17.66	Inf
5200MHz	Pass	7.80	10.38	10.27	13.26	15.20	21.06	Inf
5240MHz	Pass	7.80	10.32	10.26	13.17	15.20	20.97	Inf
5745MHz	Pass	7.80	7.05	6.98	9.92	28.20	17.72	Inf
5785MHz	Pass	7.80	6.16	6.00	9.08	28.20	16.88	Inf
5825MHz	Pass	7.80	5.57	5.72	8.63	28.20	16.43	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.80	7.18	7.13	10.06	15.20	17.86	Inf
5200MHz	Pass	7.80	9.93	9.88	12.79	15.20	20.59	Inf
5240MHz	Pass	7.80	9.13	9.15	12.04	15.20	19.84	Inf
5745MHz	Pass	7.80	7.21	7.02	10.07	28.20	17.87	Inf
5785MHz	Pass	7.80	6.12	5.84	8.95	28.20	16.75	Inf
5825MHz	Pass	7.80	5.61	5.77	8.61	28.20	16.41	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.80	1.09	0.94	3.98	15.20	11.78	Inf
5230MHz	Pass	7.80	6.16	6.34	9.15	15.20	16.95	Inf
5755MHz	Pass	7.80	4.71	4.70	7.64	28.20	15.44	Inf
5795MHz	Pass	7.80	4.06	3.93	6.97	28.20	14.77	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.80	-2.25	-2.14	0.62	15.20	8.42	Inf
5775MHz	Pass	7.80	0.14	-0.14	2.96	28.20	10.76	Inf
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.80	-0.95	-0.62	2.04	15.20	9.84	Inf
5200MHz	Pass	7.80	6.70	7.07	9.64	15.20	17.44	Inf
5240MHz	Pass	7.80	6.71	6.44	9.33	15.20	17.13	Inf
5745MHz	Pass	7.80	7.11	6.38	9.48	28.20	17.28	Inf
5785MHz	Pass	7.80	6.92	6.65	9.54	28.20	17.34	Inf
5825MHz	Pass	7.80	6.99	6.27	9.51	28.20	17.31	Inf
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.80	0.53	1.26	3.86	15.20	11.66	Inf
5230MHz	Pass	7.80	3.51	3.47	6.34	15.20	14.14	Inf
5755MHz	Pass	7.80	3.62	3.34	6.43	28.20	14.23	Inf
5795MHz	Pass	7.80	3.25	3.23	6.22	28.20	14.02	Inf
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.80	-4.93	-4.13	-1.94	15.20	5.86	Inf
5775MHz	Pass	7.80	0.28	0.98	3.40	28.20	11.20	Inf

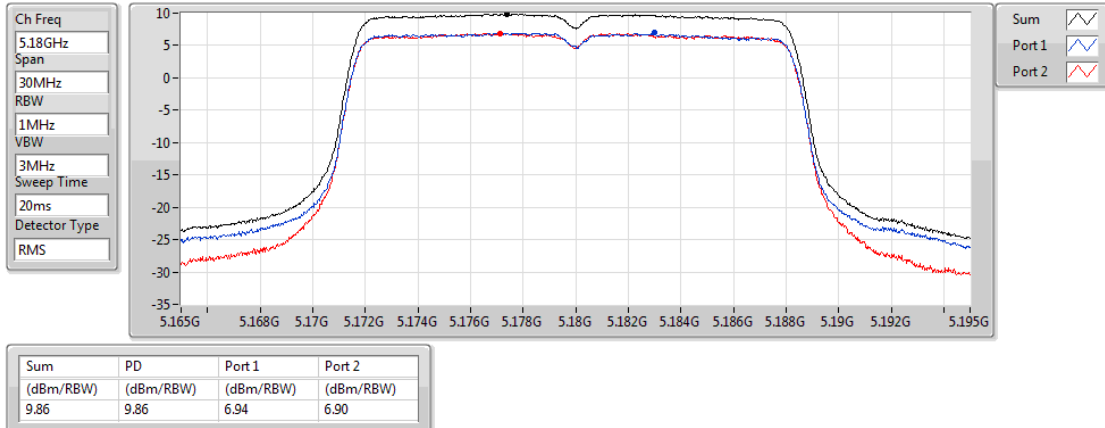
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_2TX

PSD

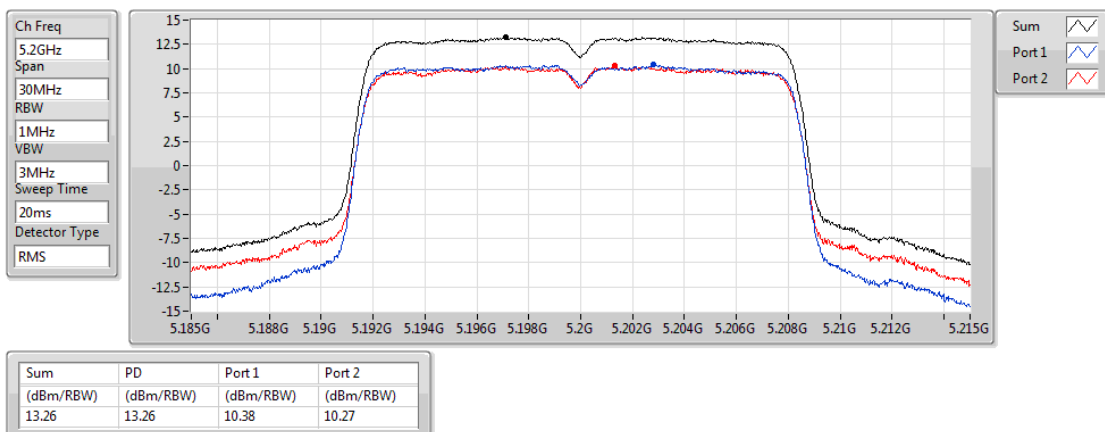
5180MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

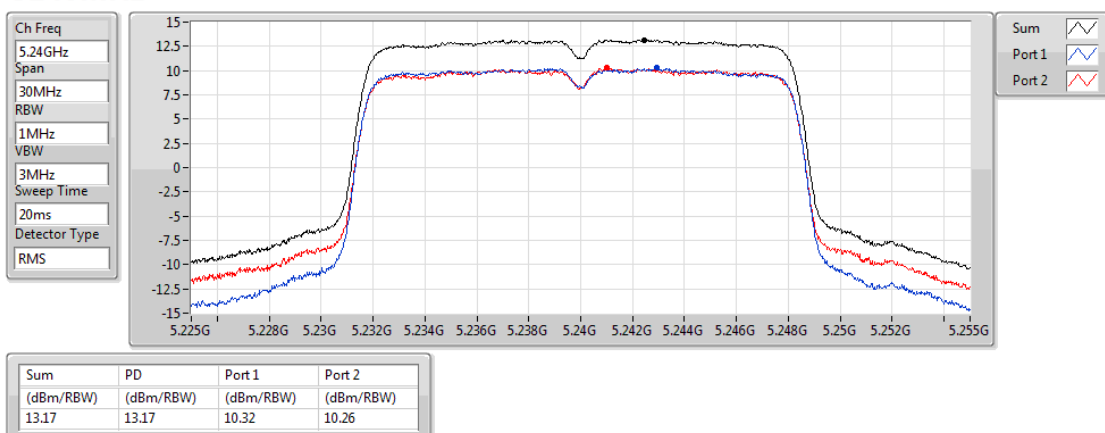
5200MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

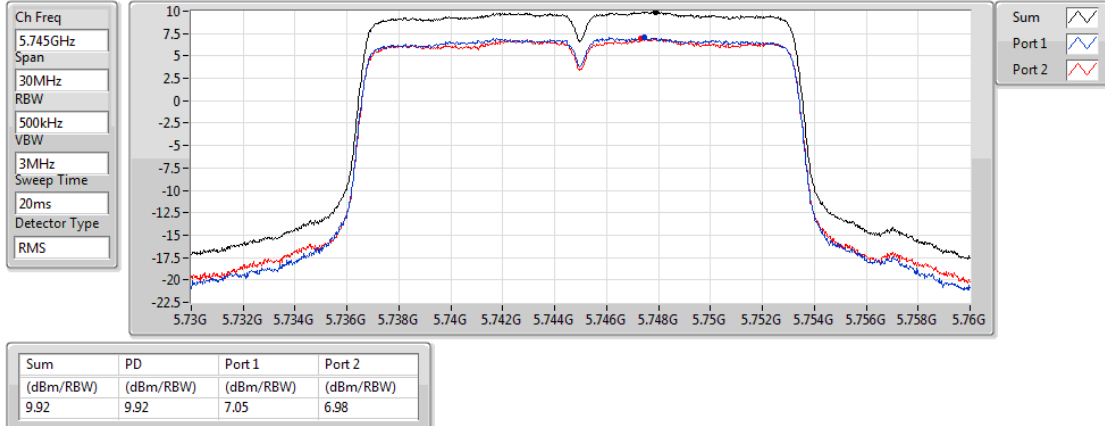
5240MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

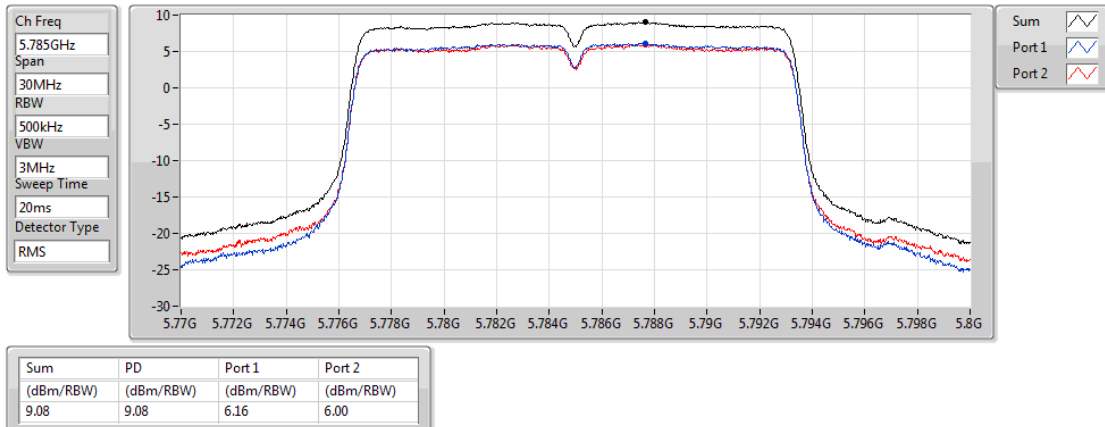
5745MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

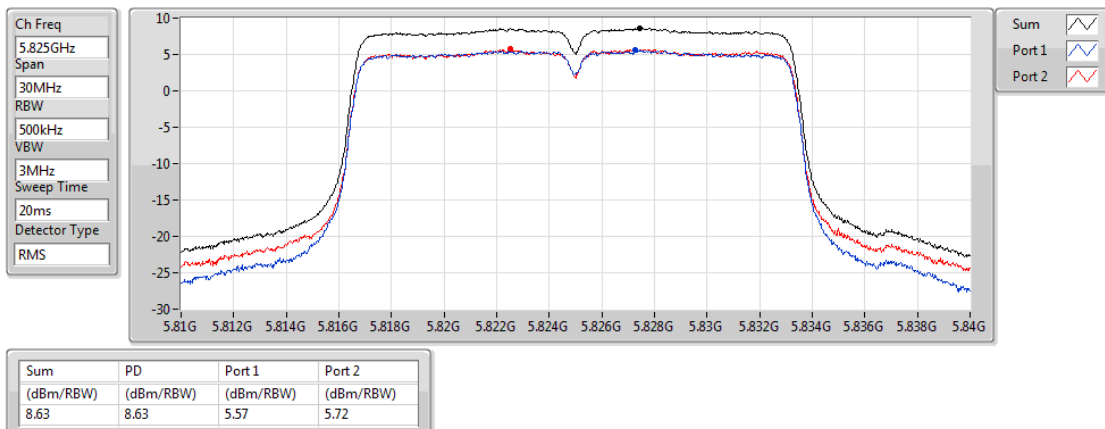
5785MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

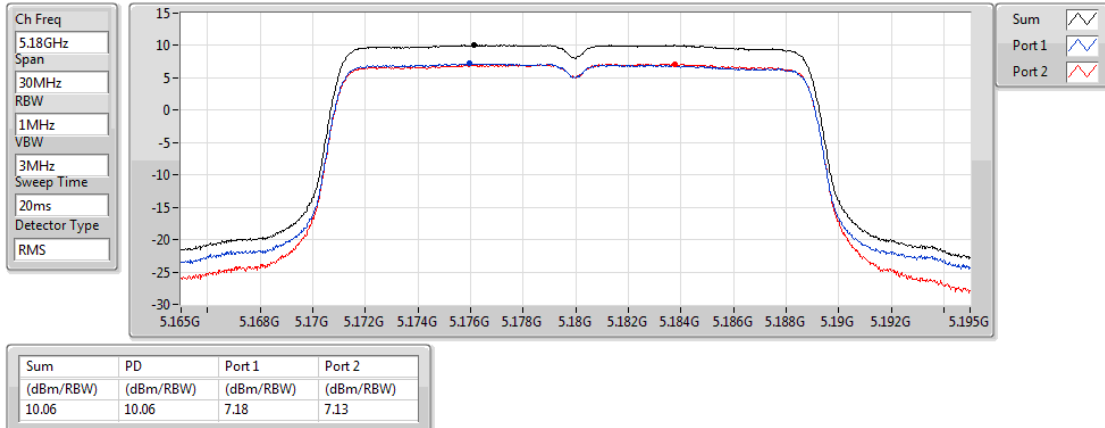
5825MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

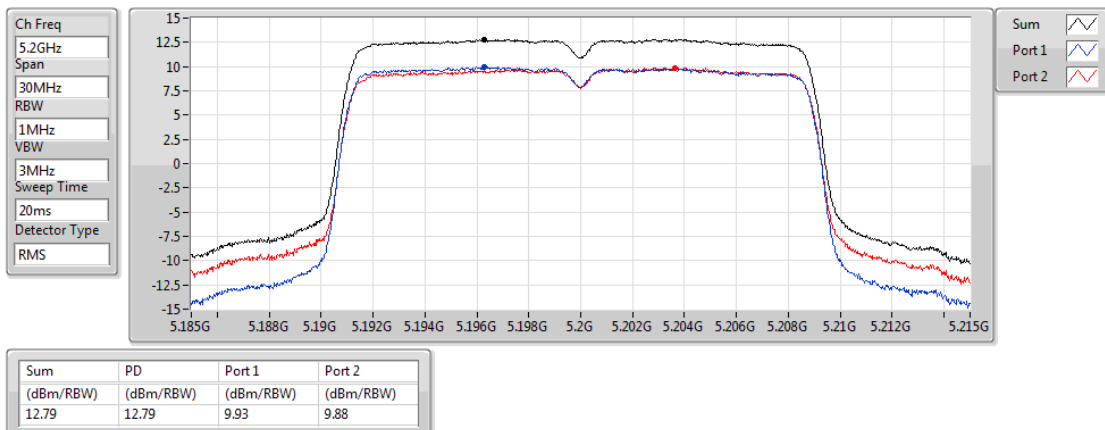
5180MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

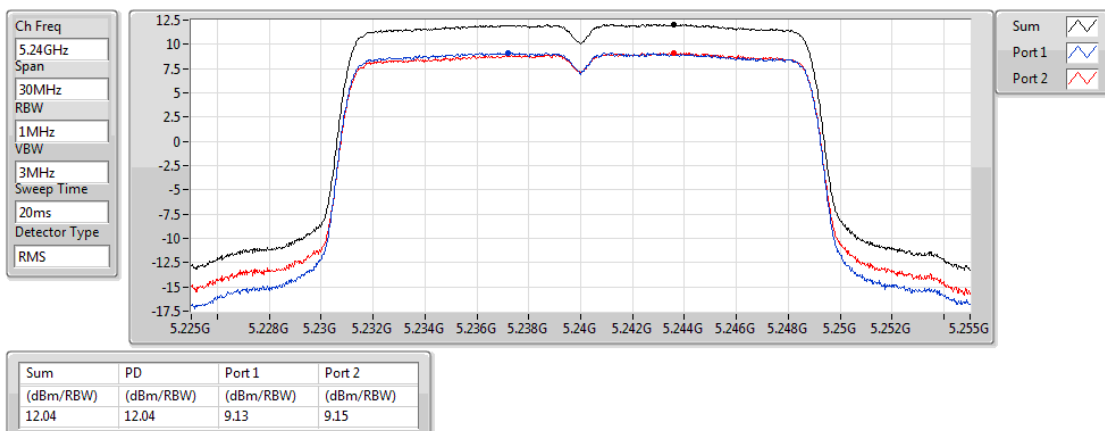
5200MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

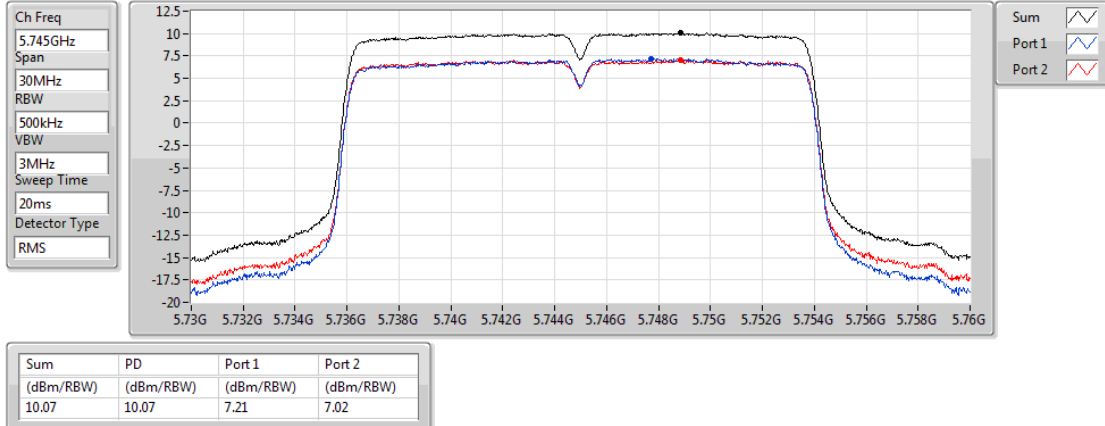
5240MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

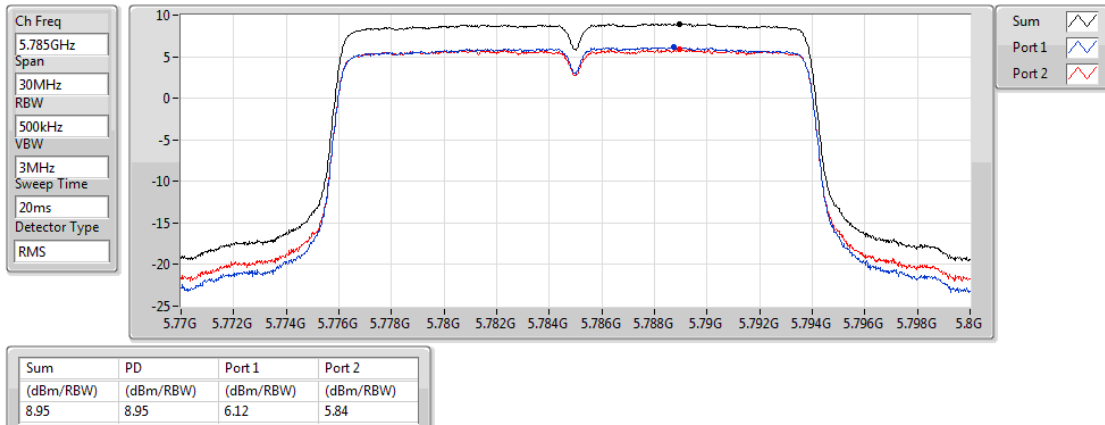
5745MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

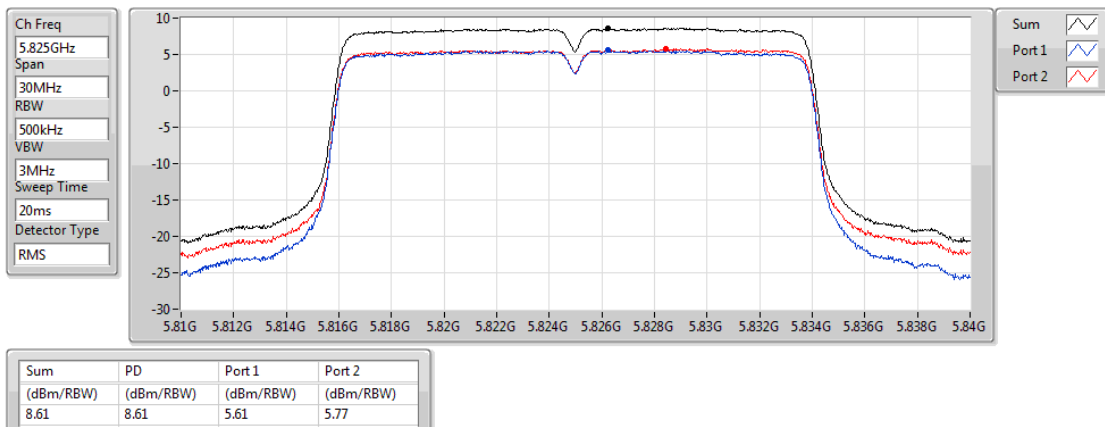
5785MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

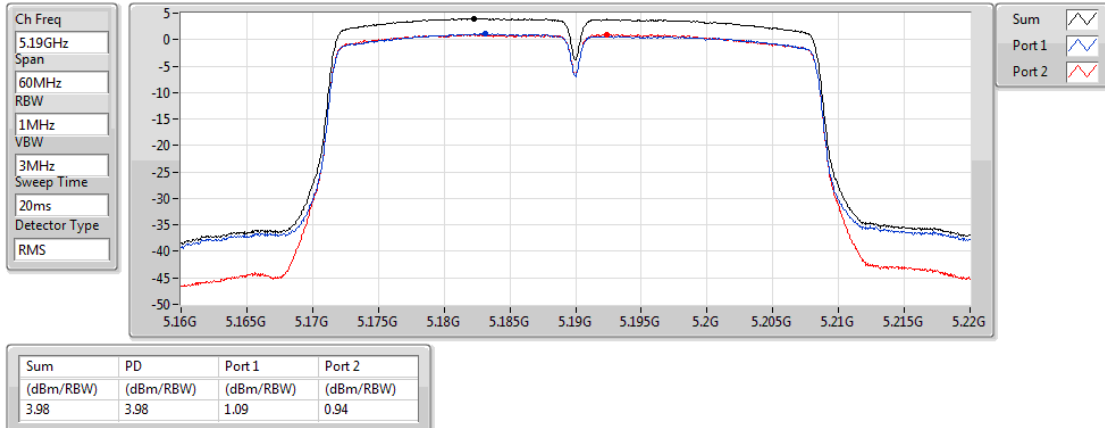
5825MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

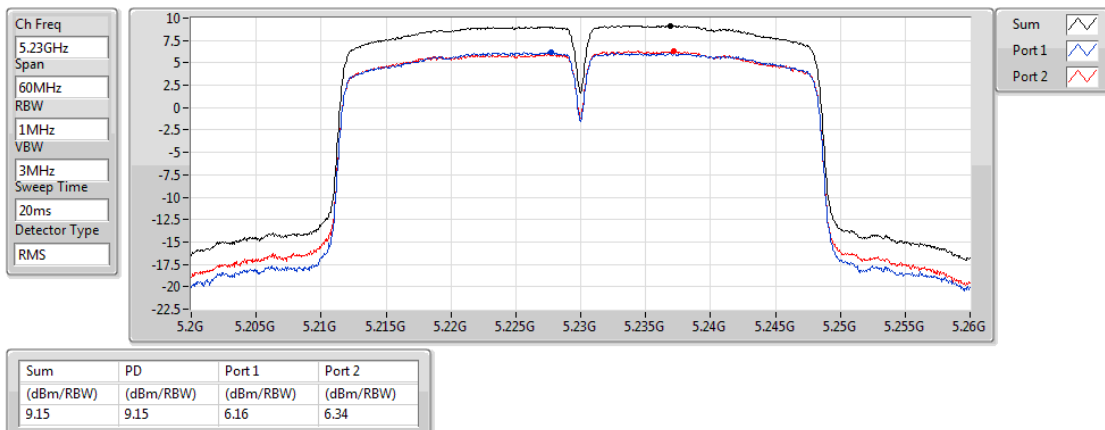
5190MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

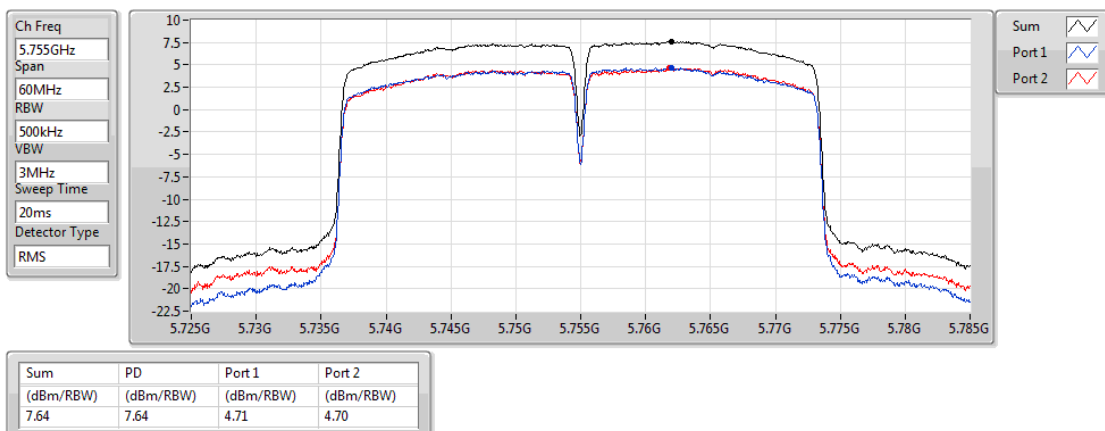
5230MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

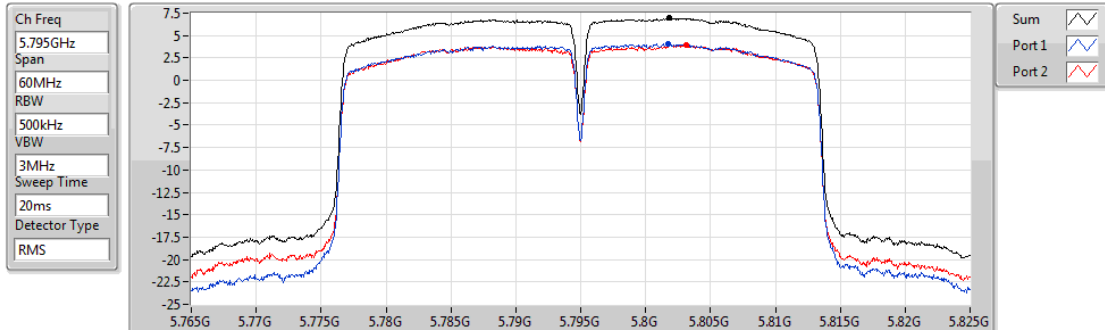
5755MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

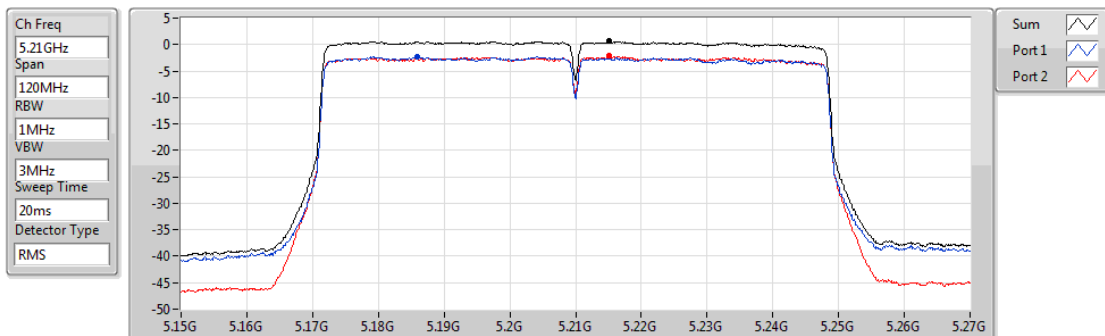


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.97	6.97	4.06	3.93

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

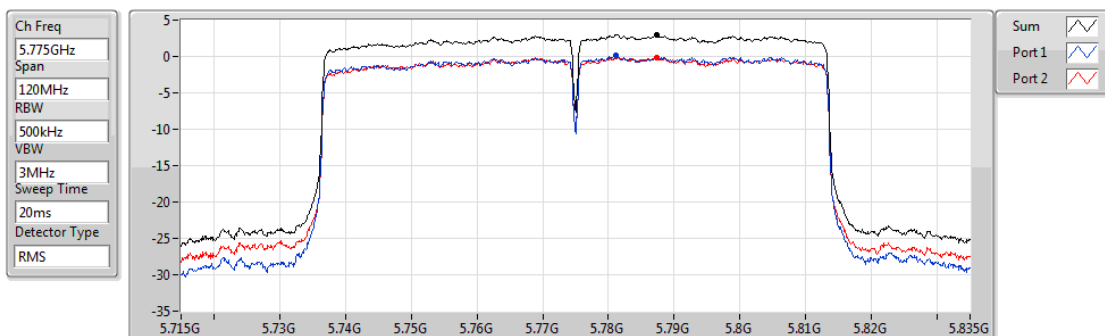


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.62	0.62	-2.25	-2.14

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

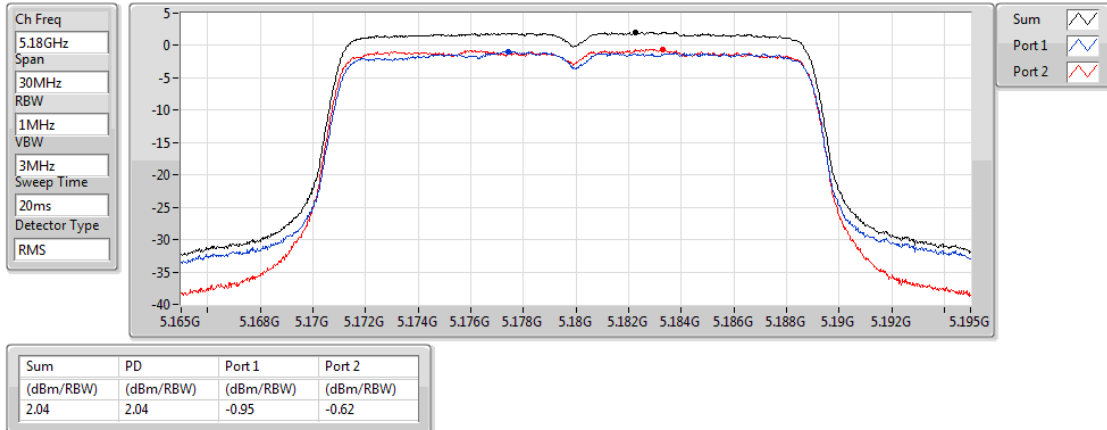


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.96	2.96	0.14	-0.14

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

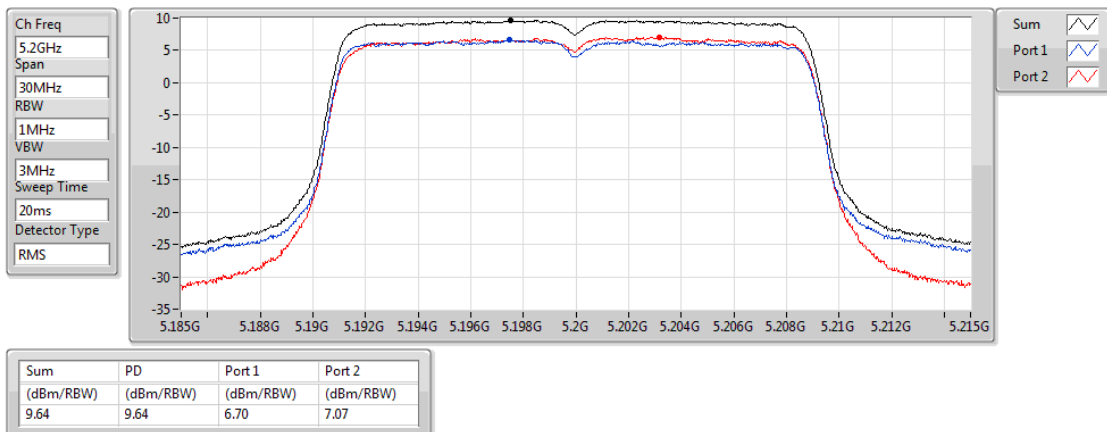
5180MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

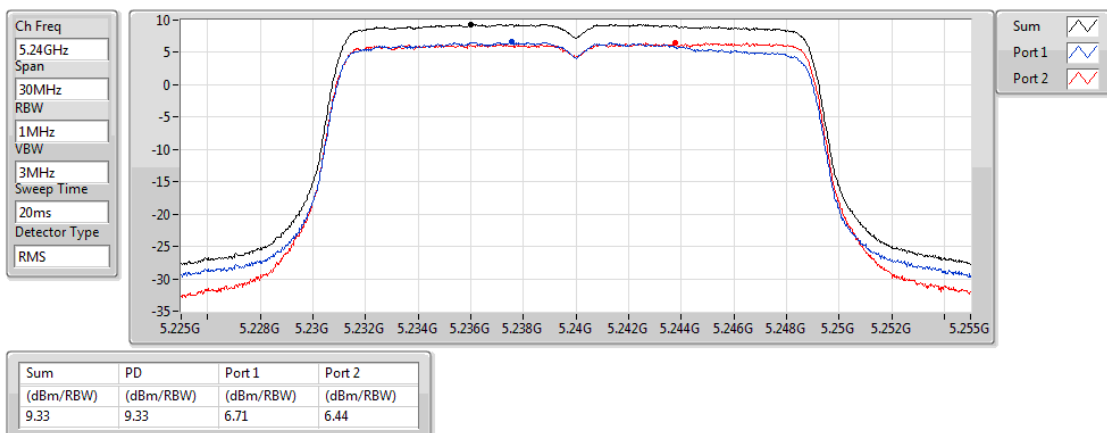
5200MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

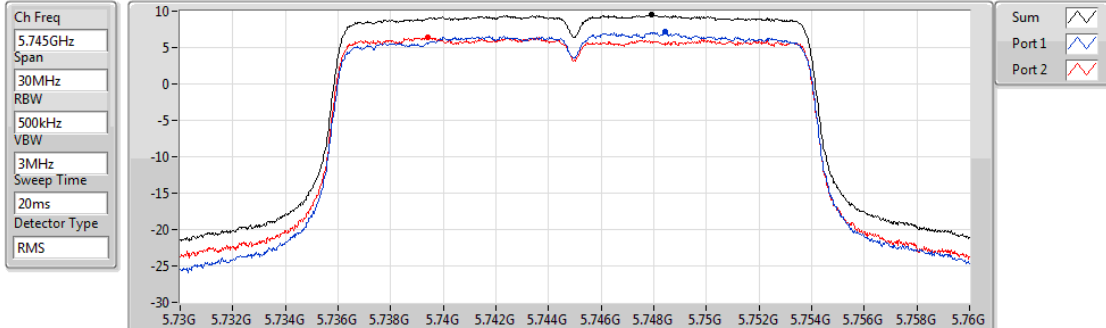
5240MHz



802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5745MHz

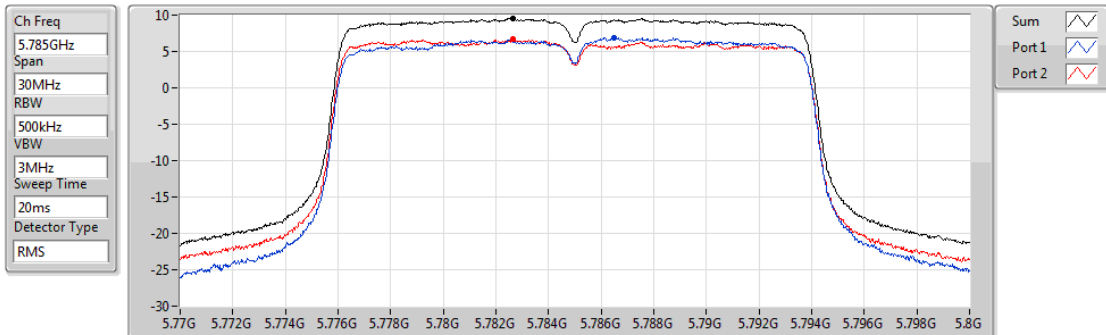


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.48	9.48	7.11	6.38

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5785MHz

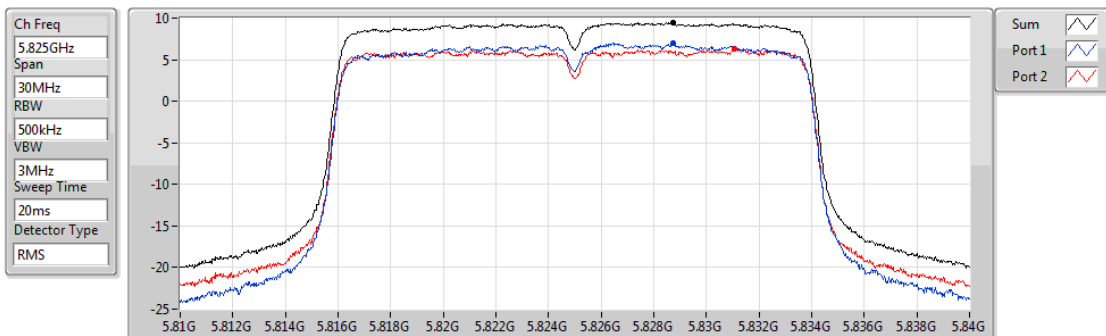


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.54	9.54	6.92	6.65

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

PSD

5825MHz

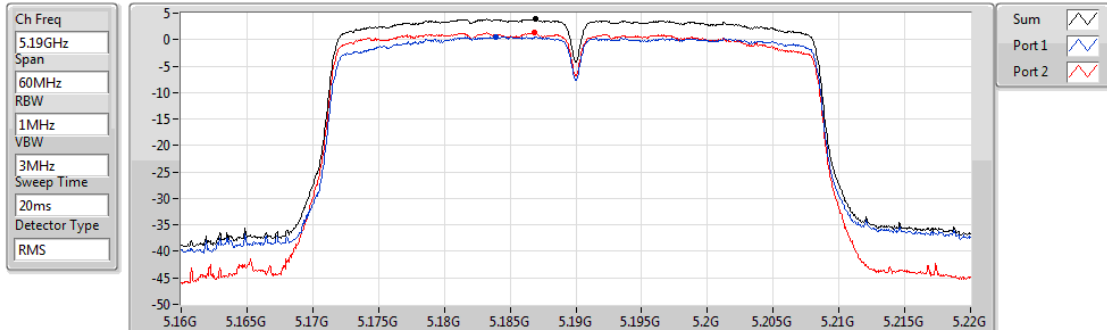


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.51	9.51	6.99	6.27

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

PSD

5190MHz

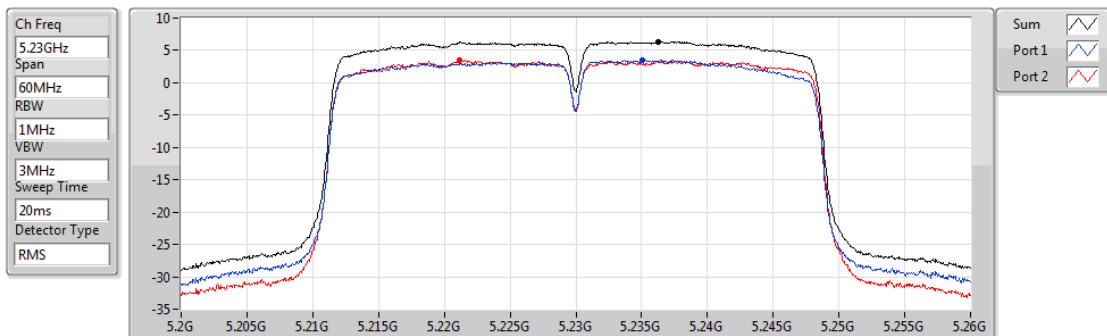


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.86	3.86	0.53	1.26

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

PSD

5230MHz

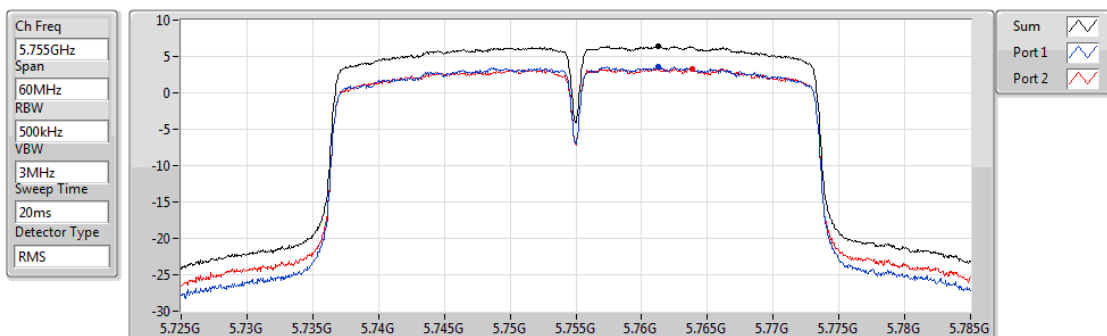


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.34	6.34	3.51	3.47

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

PSD

5755MHz

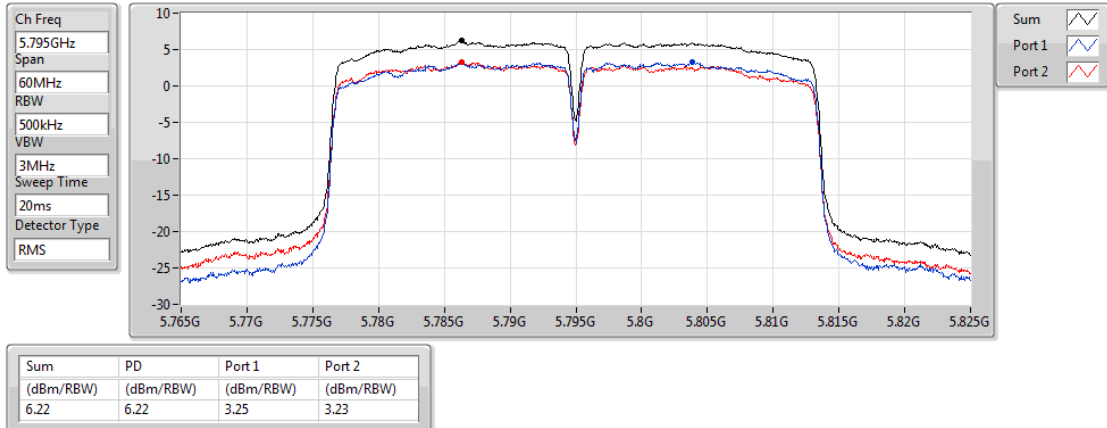


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.43	6.43	3.62	3.34

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

PSD

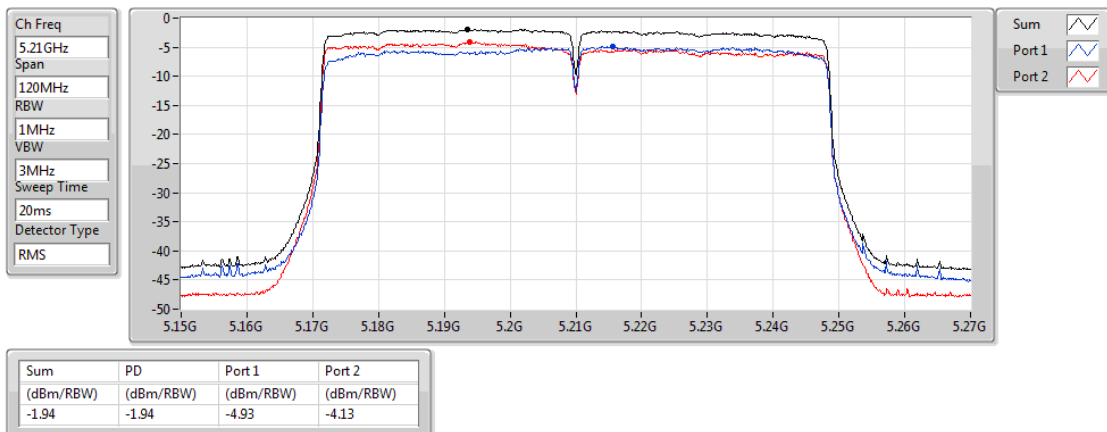
5795MHz



802.11ac VHT80-BF_Nss1,(MCS0)_2TX

PSD

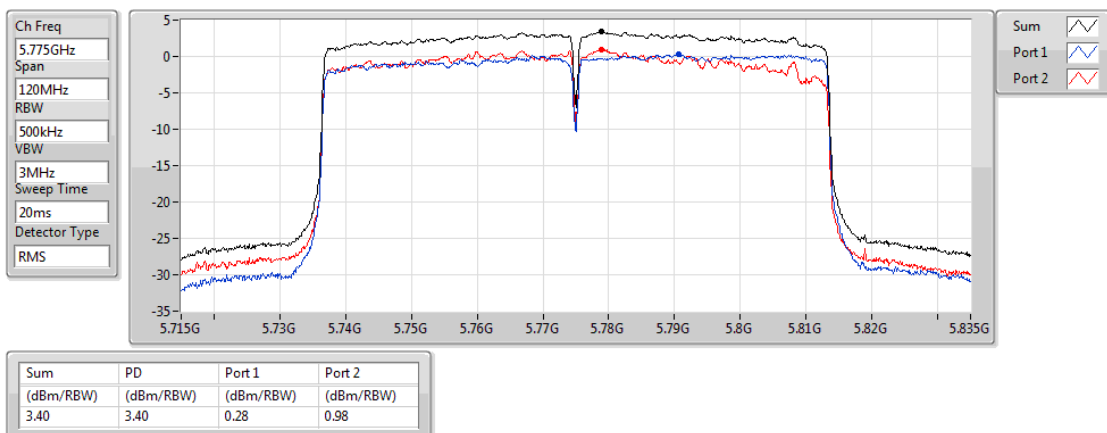
5210MHz



802.11ac VHT80-BF_Nss1,(MCS0)_2TX

PSD

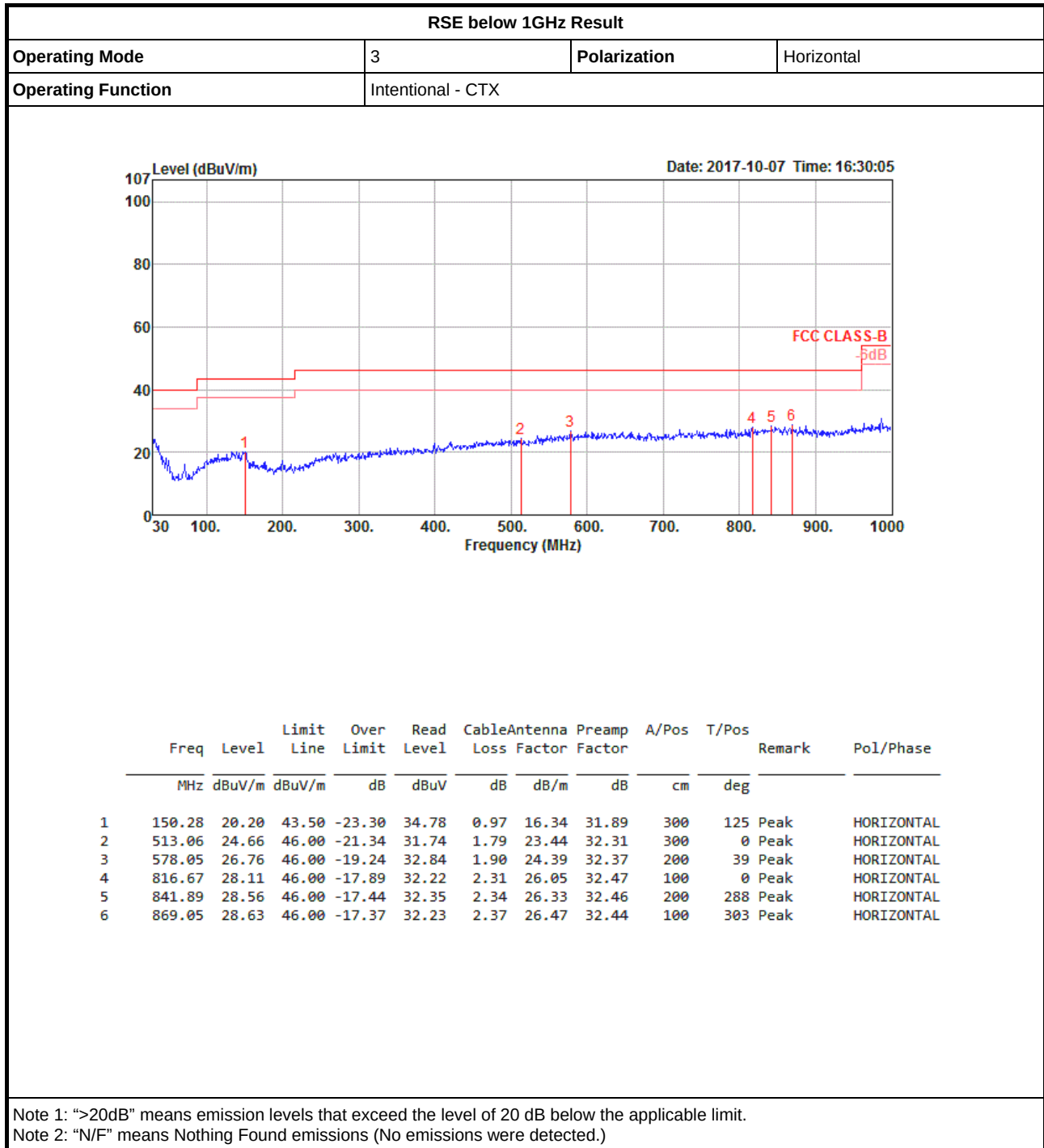
5775MHz





RSE below 1GHz Result and RSE Unintentional 1GHz~5th Result

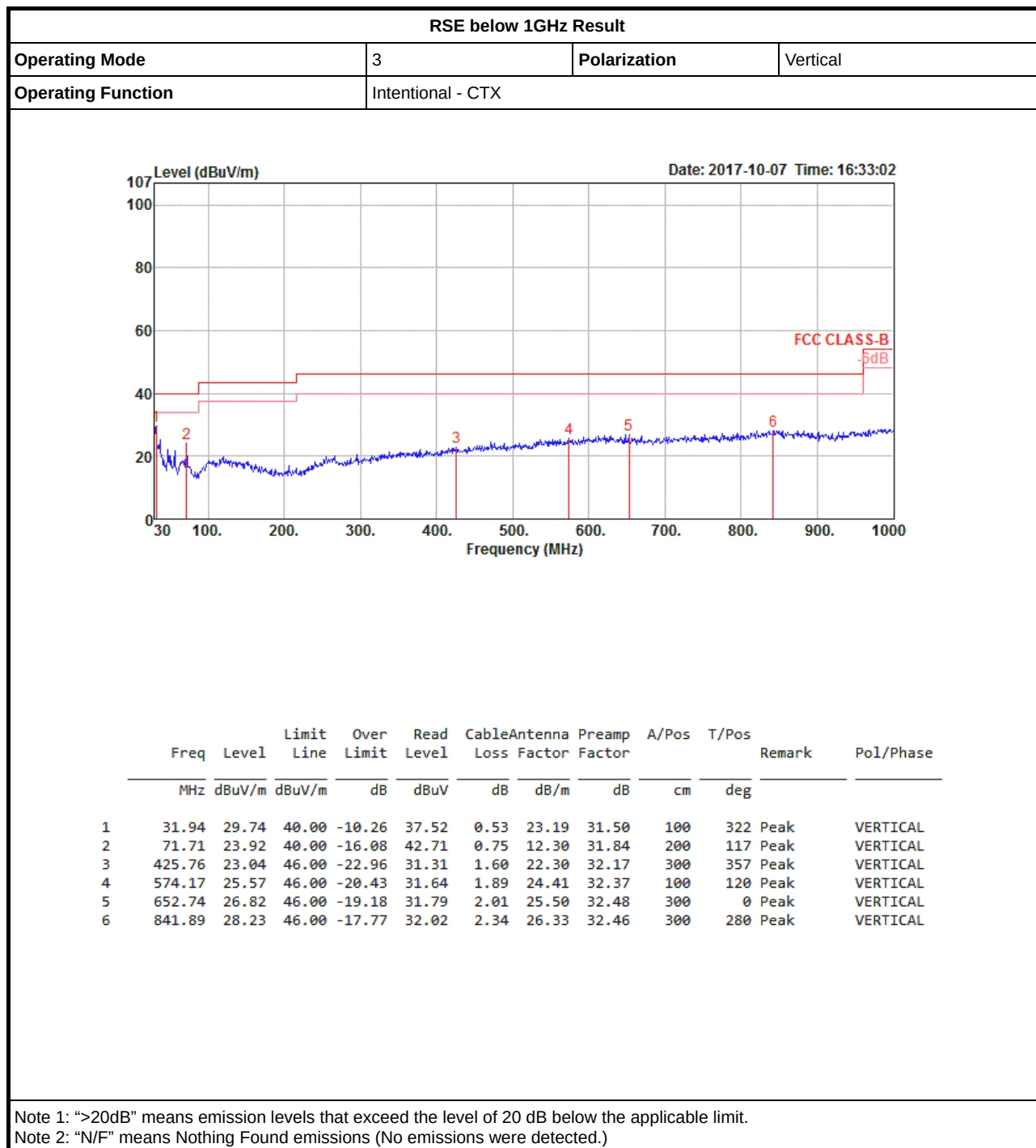
Appendix E.1





RSE below 1GHz Result and RSE Unintentional 1GHz~5th Result

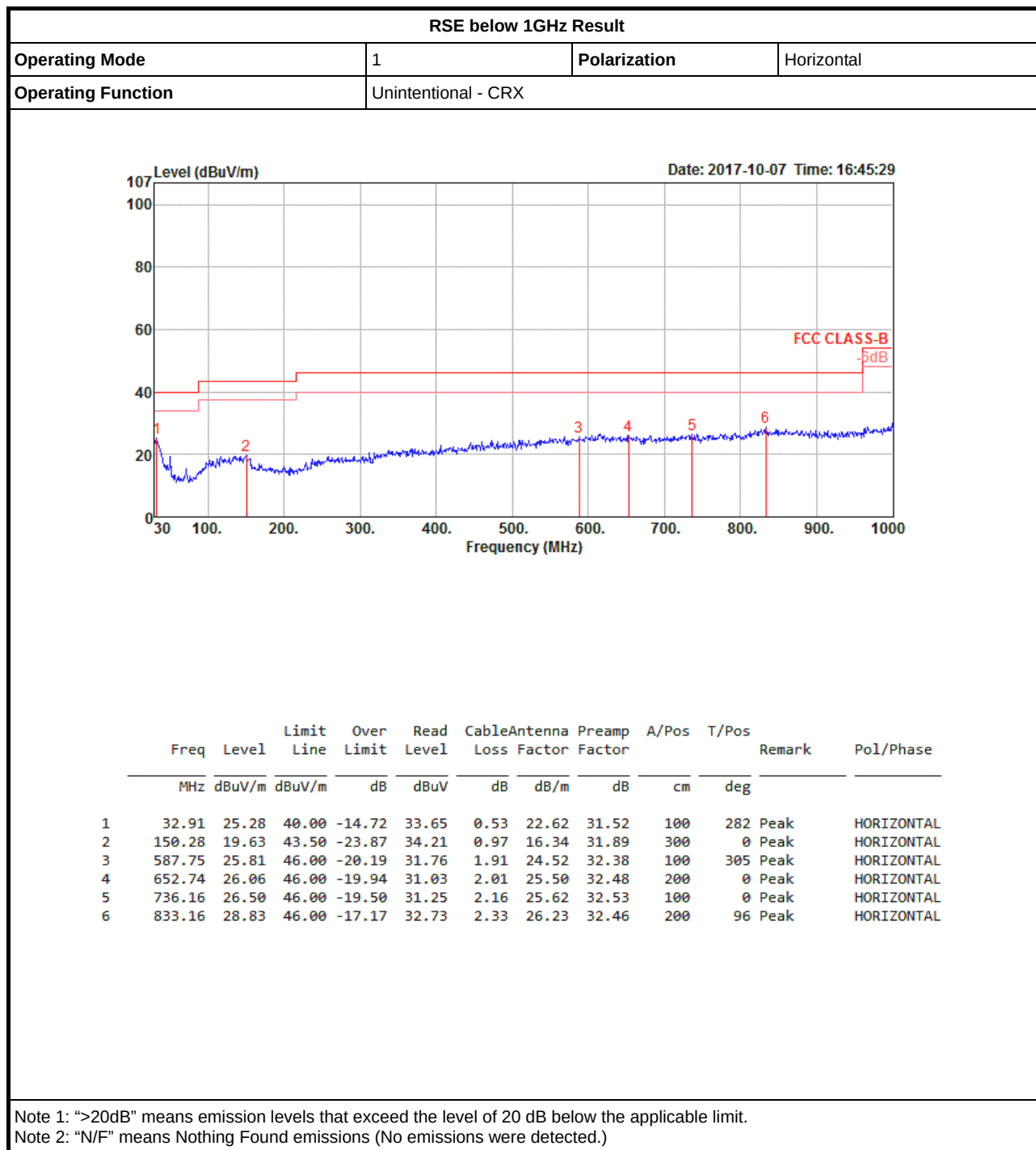
Appendix E.1





RSE below 1GHz Result and RSE Unintentional 1GHz~5th Result

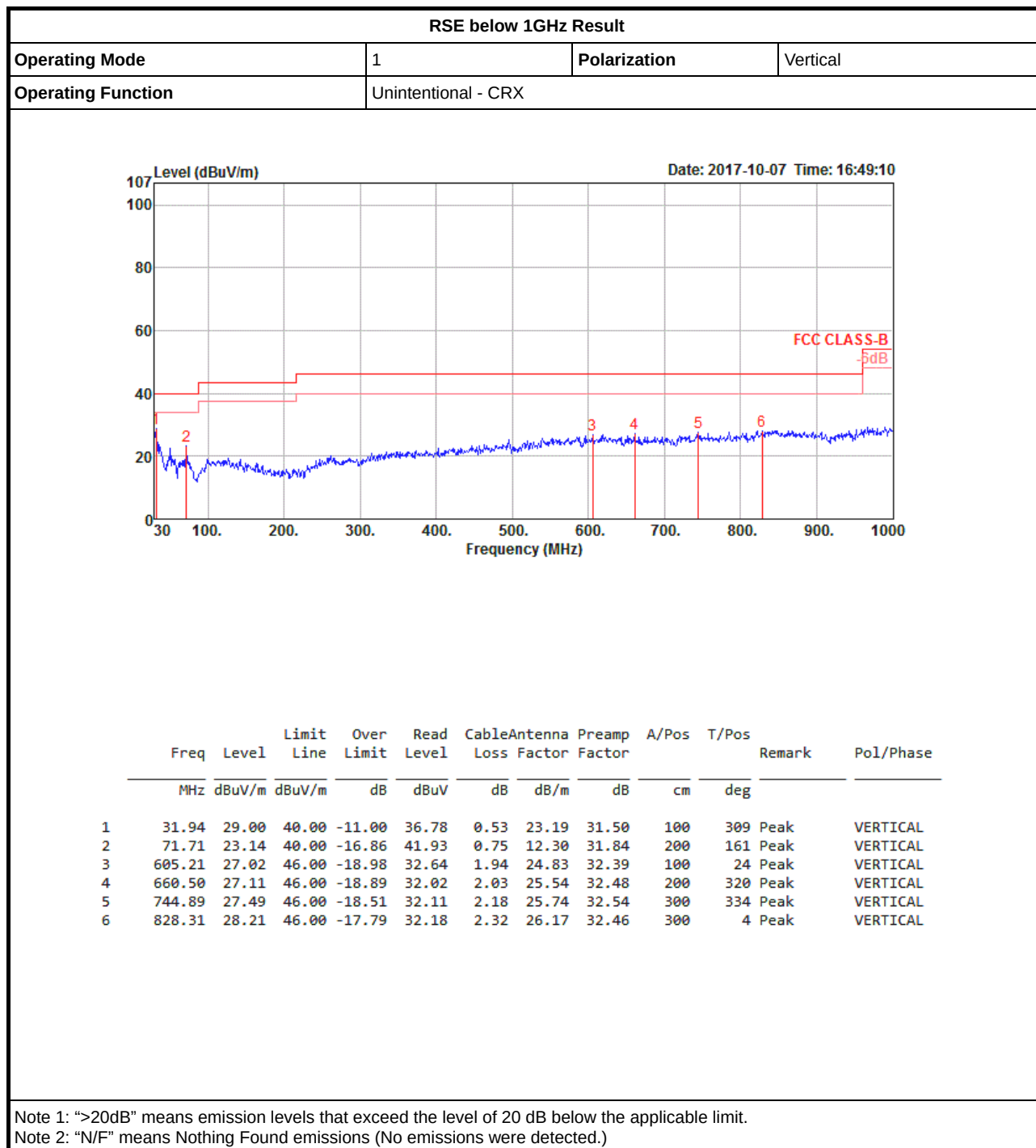
Appendix E.1





RSE below 1GHz Result and RSE Unintentional 1GHz~5th Result

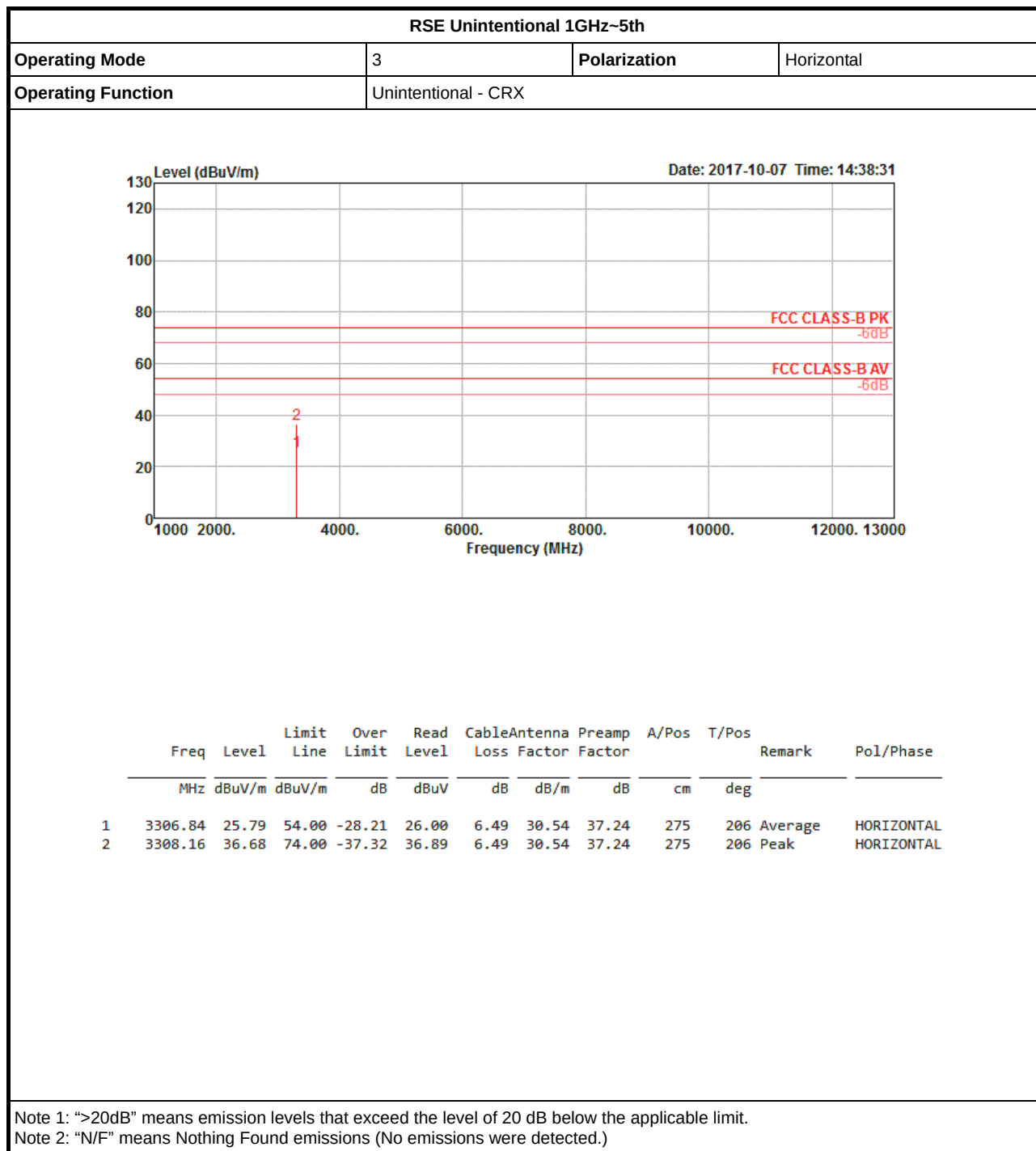
Appendix E.1





RSE below 1GHz Result and RSE Unintentional 1GHz~5th Result

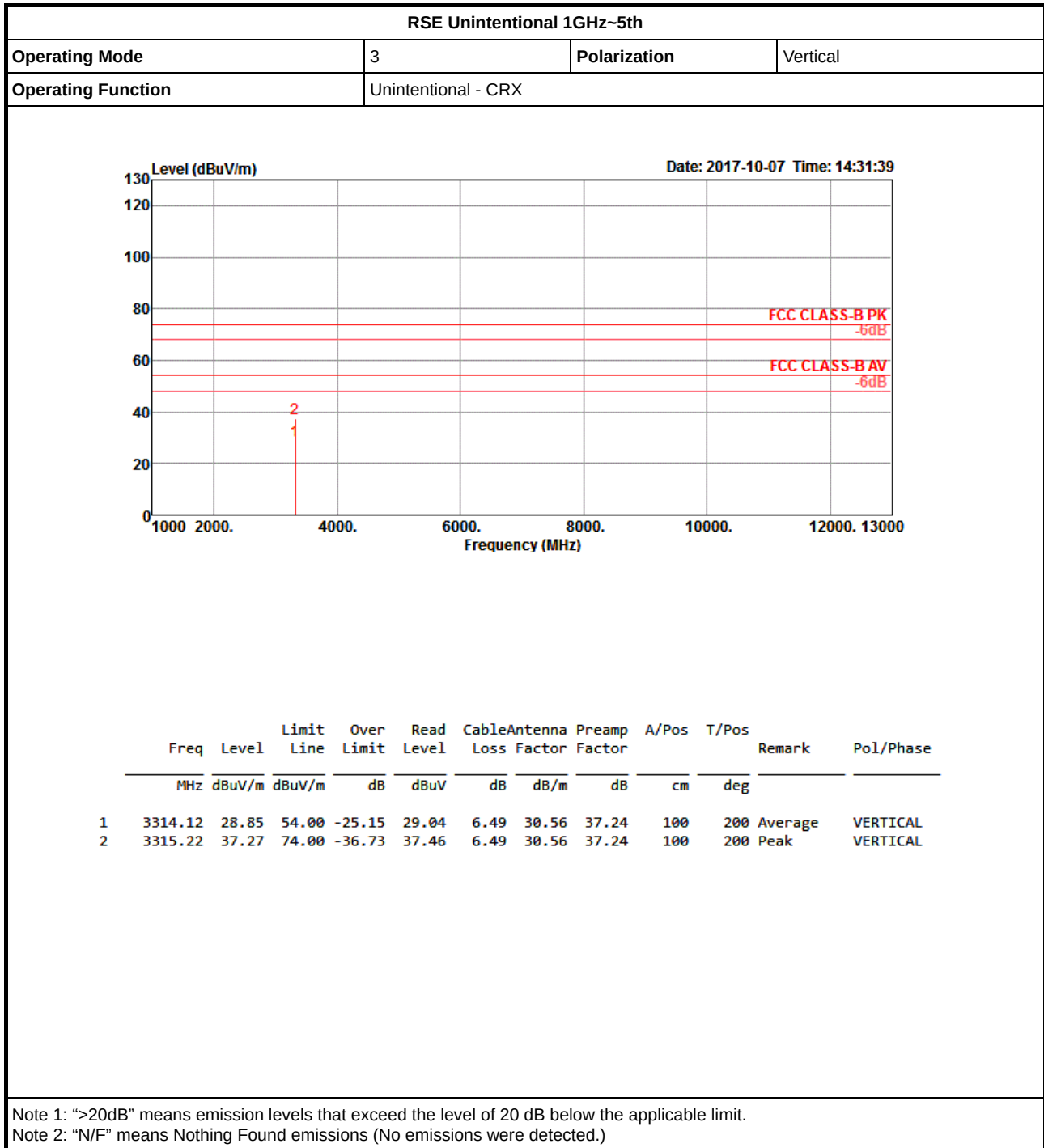
Appendix E.1





RSE below 1GHz Result and RSE Unintentional 1GHz~5th Result

Appendix E.1





RSE TX above 1GHz Result

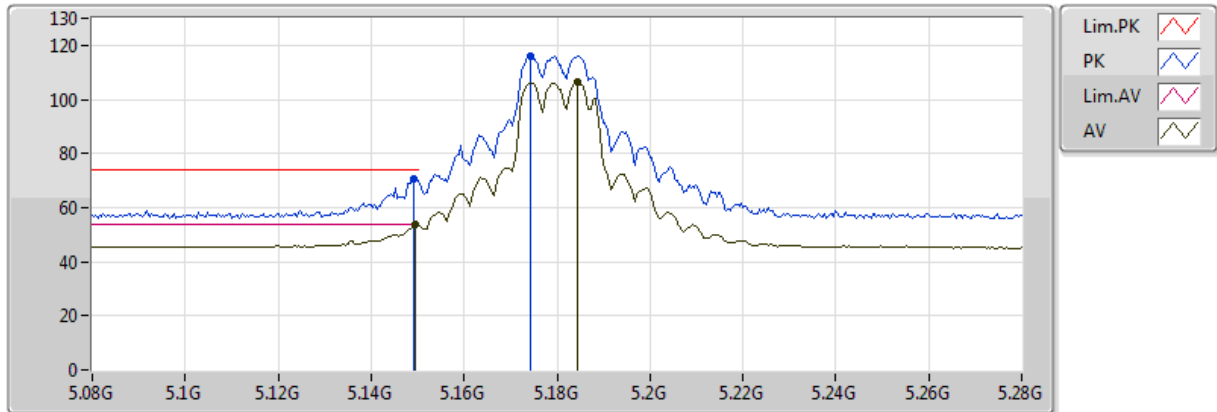
Appendix E.2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.65G	68.18	68.20	-0.02	5.45	3	Vertical	341	1.76	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

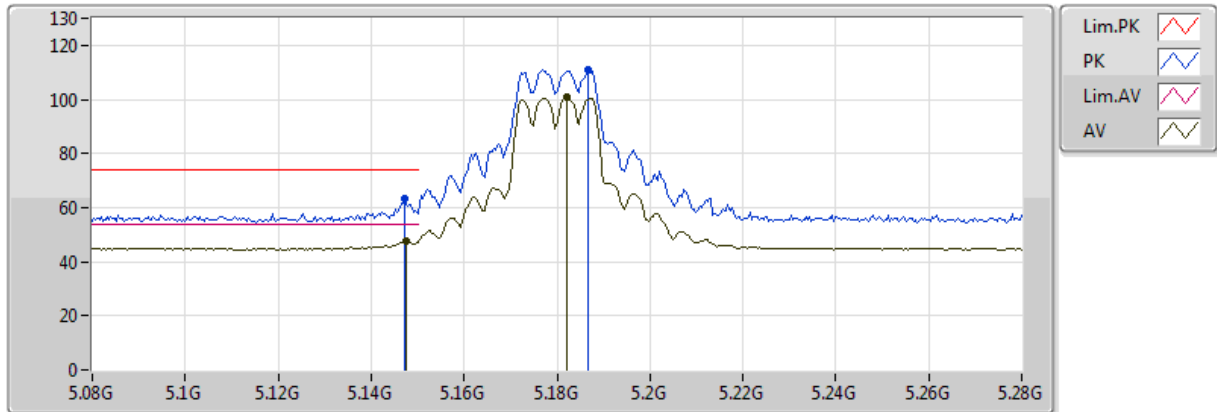


20170929
EUT Y_2TX
Setting 20.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1496G	53.70	54.00	-0.30	4.17	3	Vertical	84	1.89	-				
AV	5.1844G	106.26	Inf	-Inf	4.25	3	Vertical	84	1.89	-				
PK	5.1492G	70.88	74.00	-3.12	4.17	3	Vertical	84	1.89	-				
PK	5.1744G	115.94	Inf	-Inf	4.22	3	Vertical	84	1.89	-				

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

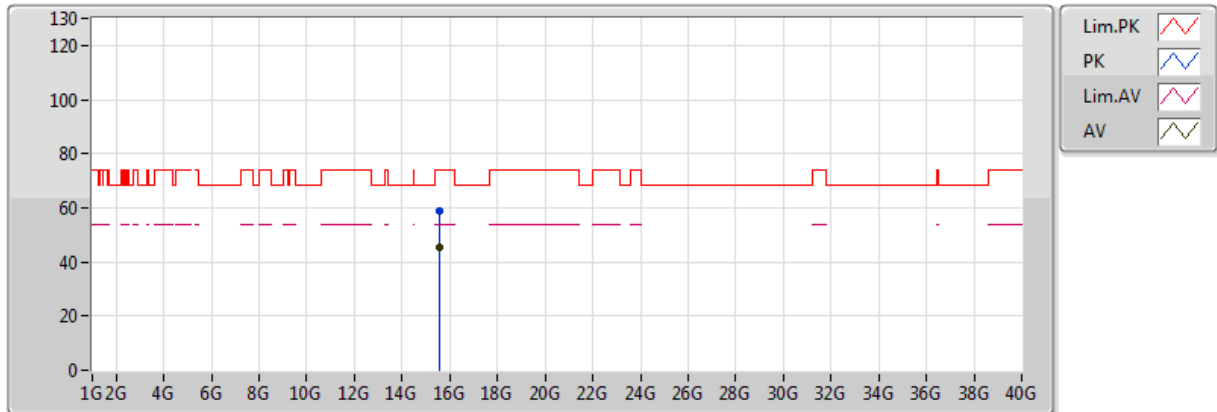


20170929
EUT Y_2TX
Setting 20.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1476G	47.47	54.00	-6.53	4.16	3	Horizontal	176	1.86	-				
AV	5.182G	100.68	Inf	-Inf	4.24	3	Horizontal	176	1.86	-				
PK	5.1472G	63.56	74.00	-10.44	4.16	3	Horizontal	176	1.86	-				
PK	5.1868G	110.99	Inf	-Inf	4.25	3	Horizontal	176	1.86	-				

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

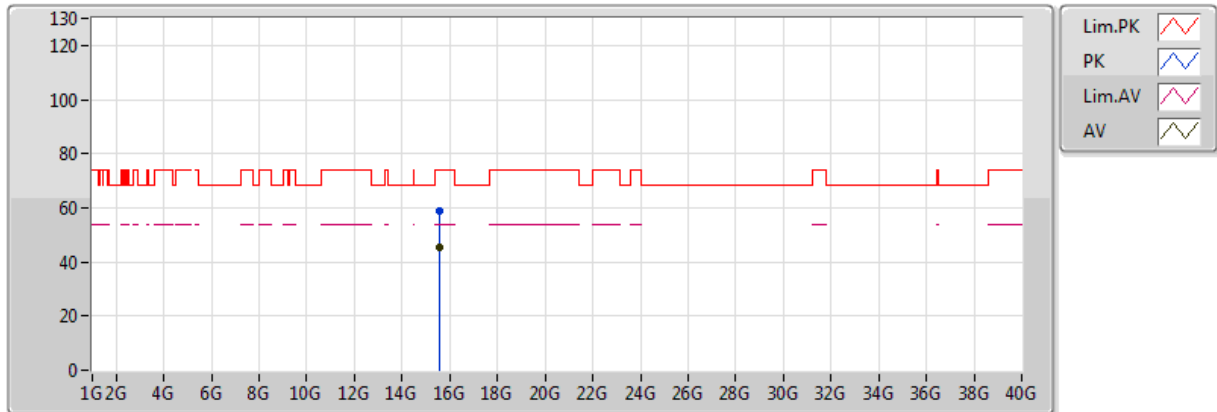


20170929
EUT Y_2TX
Setting 20.5
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.539658G	45.39	54.00	-8.61	13.53	3	Vertical	138	1.57	-				
PK	15.540696G	58.98	74.00	-15.02	13.53	3	Vertical	138	1.57	-				

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

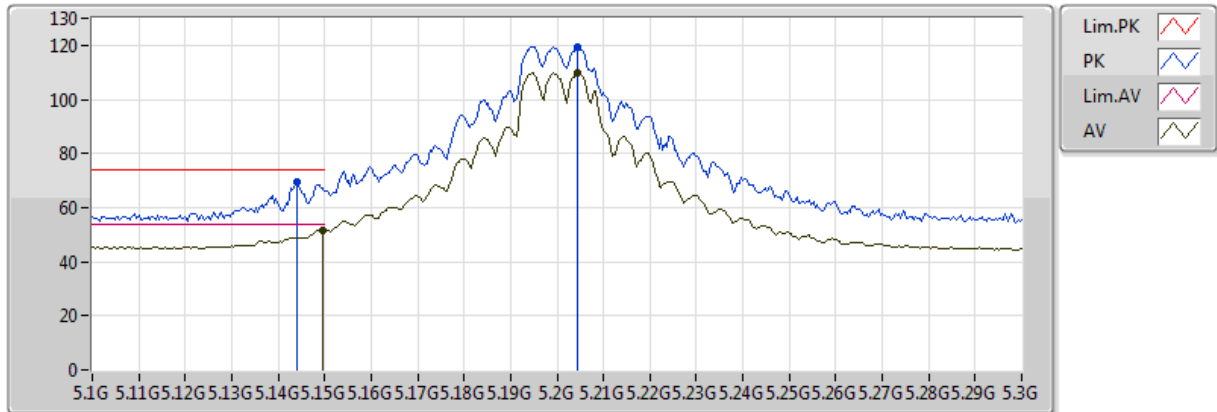


20170929
EUT Y_2TX
Setting 20.5
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.53856G	45.45	54.00	-8.55	13.54	3	Horizontal	280	1.23	-				
PK	15.540282G	58.62	74.00	-15.38	13.53	3	Horizontal	280	1.23	-				

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

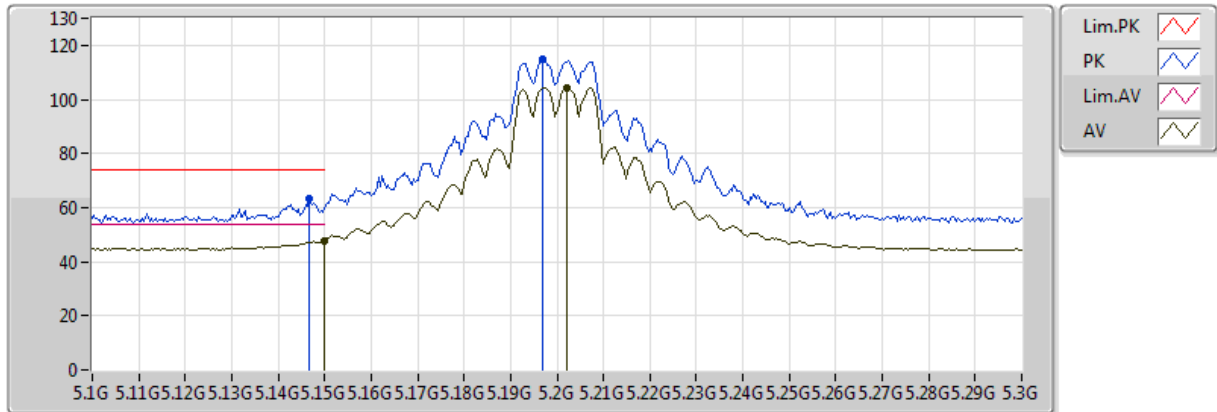


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1496G	51.75	54.00	-2.25	4.17	3	Vertical	84	2.03	-				
AV	5.2044G	109.61	Inf	-Inf	4.29	3	Vertical	84	2.03	-				
PK	5.144G	69.74	74.00	-4.26	4.16	3	Vertical	84	2.03	-				
PK	5.2044G	119.60	Inf	-Inf	4.29	3	Vertical	84	2.03	-				

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

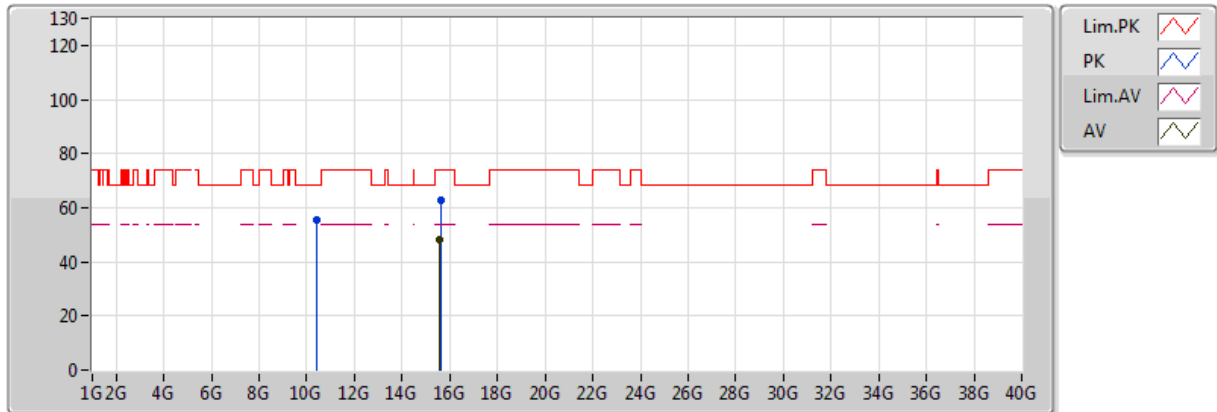


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	47.62	54.00	-6.38	4.17	3	Horizontal	177	1.80	-				
AV	5.202G	104.40	Inf	-Inf	4.28	3	Horizontal	177	1.80	-				
PK	5.1468G	63.46	74.00	-10.54	4.16	3	Horizontal	177	1.80	-				
PK	5.1968G	114.79	Inf	-Inf	4.27	3	Horizontal	177	1.80	-				

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

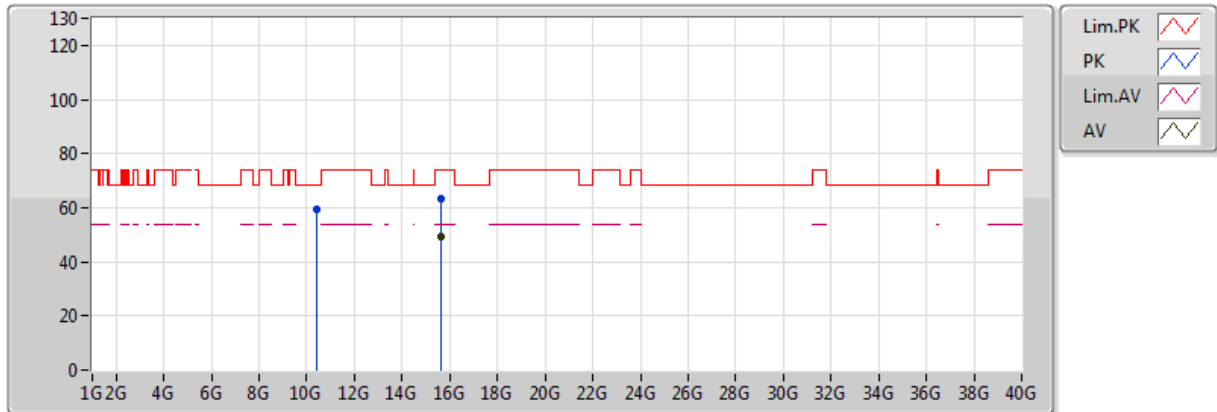


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.59712G	48.32	54.00	-5.68	13.47	3	Vertical	321	2.76	-				
PK	10.403008G	55.75	68.20	-12.45	12.14	3	Vertical	358	1.72	-				
PK	15.601952G	62.49	74.00	-11.51	13.46	3	Vertical	321	2.76	-				

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

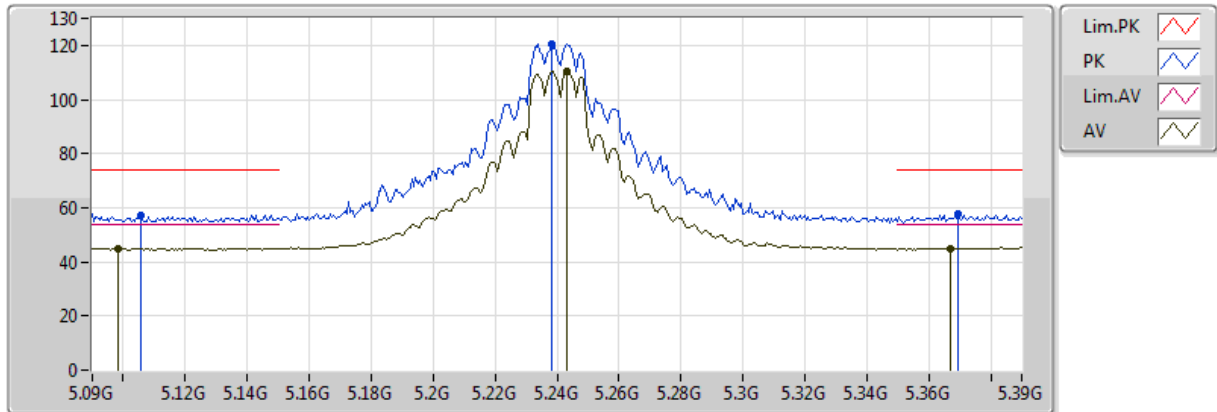


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.601264G	49.18	54.00	-4.82	13.46	3	Horizontal	109	1.67	-				
PK	10.39642G	59.31	68.20	-8.89	12.14	3	Horizontal	311	2.27	-				
PK	15.601776G	63.35	74.00	-10.65	13.46	3	Horizontal	109	1.67	-				

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

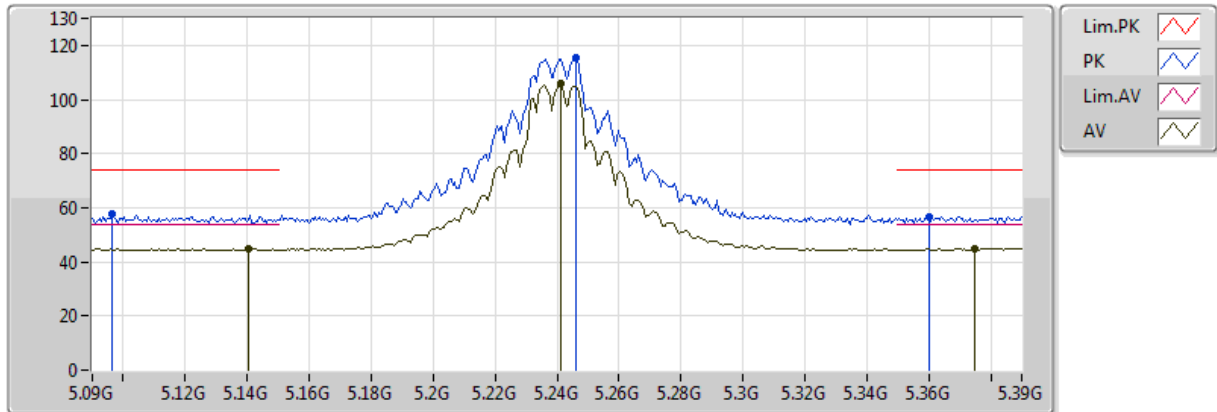


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.0984G	44.98	54.00	-9.02	4.06	3	Vertical	342	2.00	-				
AV	5.243G	110.37	Inf	-Inf	4.35	3	Vertical	342	2.00	-				
AV	5.3672G	45.09	54.00	-8.91	4.54	3	Vertical	342	2.00	-				
PK	5.1056G	57.32	74.00	-16.68	4.07	3	Vertical	342	2.00	-				
PK	5.2382G	120.65	Inf	-Inf	4.34	3	Vertical	342	2.00	-				
PK	5.3696G	57.44	74.00	-16.56	4.55	3	Vertical	342	2.00	-				

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

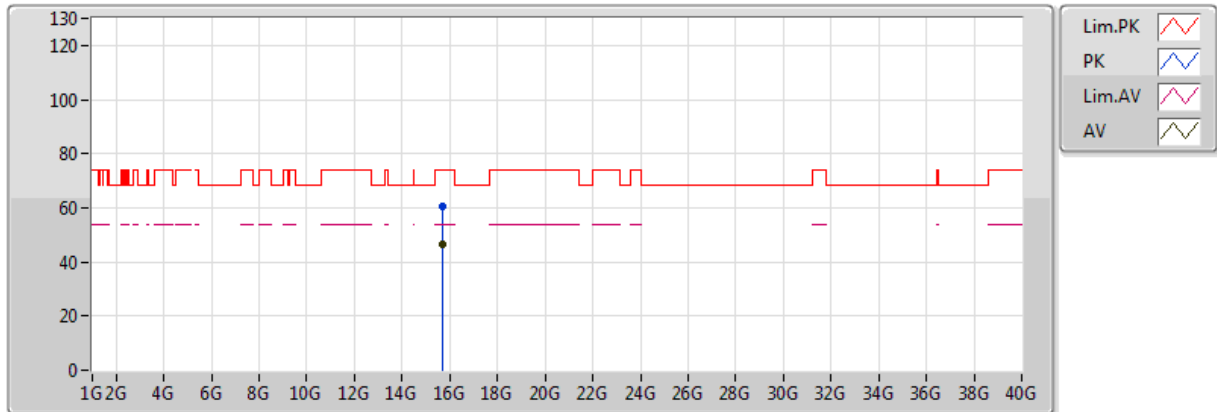


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1404G	44.66	54.00	-9.34	4.15	3	Horizontal	114	2.76	-				
AV	5.2412G	105.69	Inf	-Inf	4.35	3	Horizontal	114	2.76	-				
AV	5.375G	44.92	54.00	-9.08	4.56	3	Horizontal	114	2.76	-				
PK	5.0966G	57.74	74.00	-16.26	4.05	3	Horizontal	114	2.76	-				
PK	5.246G	115.63	Inf	-Inf	4.36	3	Horizontal	114	2.76	-				
PK	5.36G	56.85	74.00	-17.15	4.53	3	Horizontal	114	2.76	-				

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

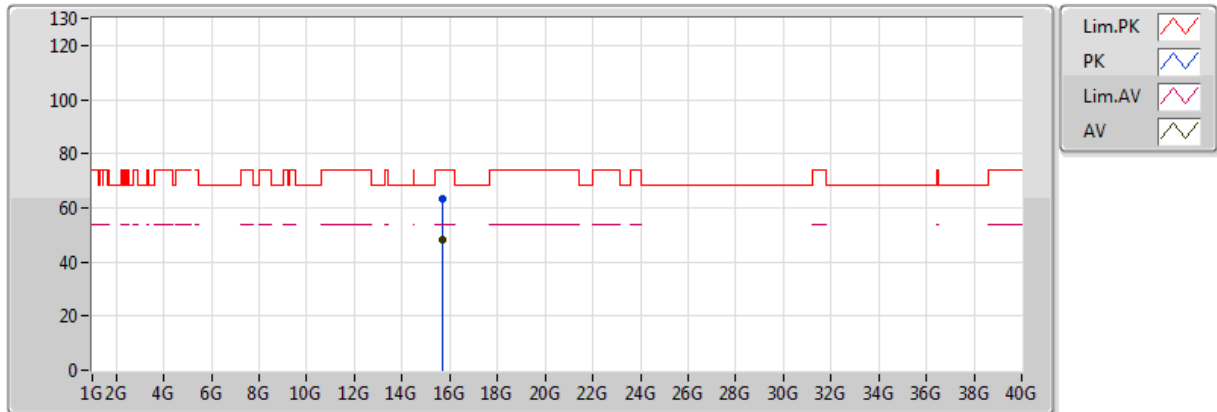


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.721888G	46.74	54.00	-7.26	13.32	3	Vertical	333	1.53	-				
PK	15.72184G	60.48	74.00	-13.52	13.32	3	Vertical	333	1.53	-				

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

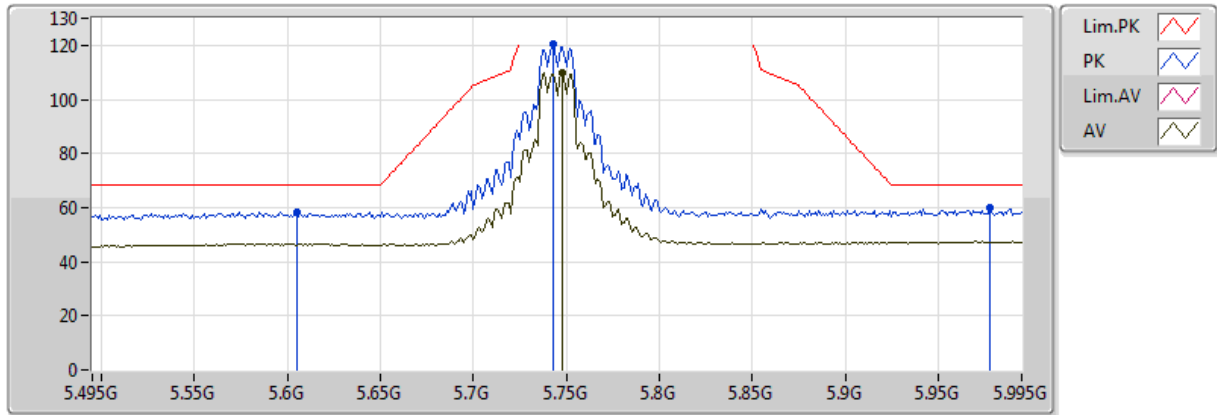


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.721312G	48.45	54.00	-5.55	13.32	3	Horizontal	109	1.62	-				
PK	15.721328G	63.35	74.00	-10.65	13.32	3	Horizontal	109	1.62	-				

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

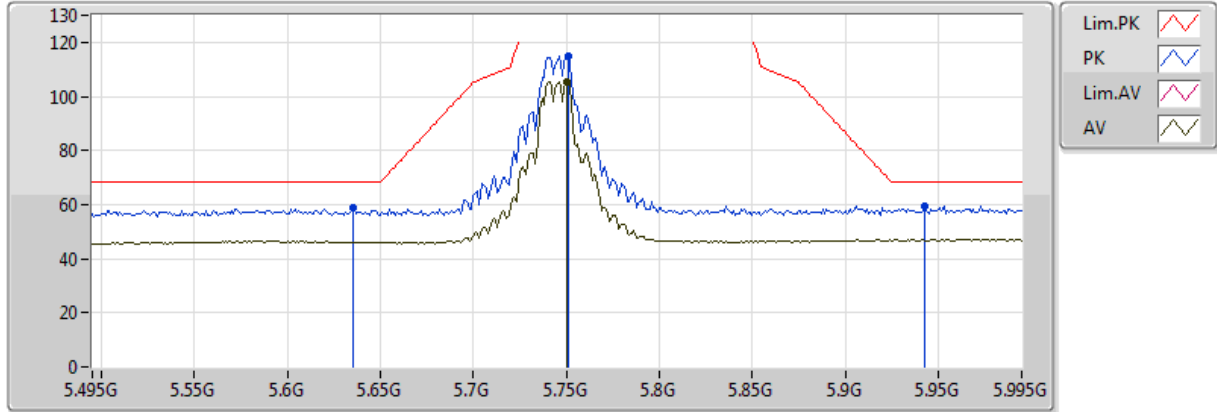


20170929
EUT Y_2TX
Setting 23
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.748G	109.70	Inf	-Inf	5.73	3	Vertical	333	1.72	-				
PK	5.605G	58.48	68.20	-9.72	5.32	3	Vertical	333	1.72	-				
PK	5.743G	120.20	Inf	-Inf	5.72	3	Vertical	333	1.72	-				
PK	5.978G	59.77	68.20	-8.43	6.54	3	Vertical	333	1.72	-				

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

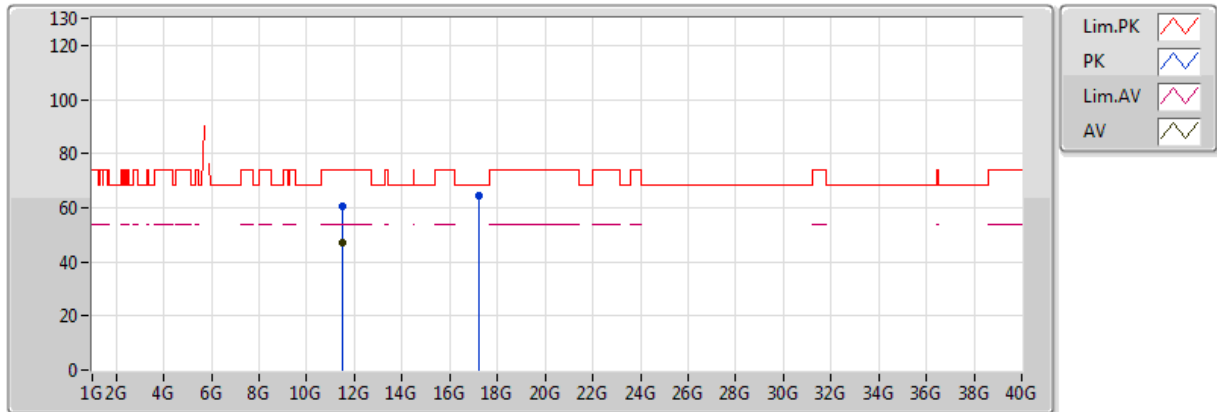


20170929
EUT Y_2TX
Setting 23
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.75G	105.52	Inf	-Inf	5.73	3	Horizontal	133	1.91	-				
PK	5.635G	58.59	68.20	-9.61	5.41	3	Horizontal	133	1.91	-				
PK	5.751G	115.14	Inf	-Inf	5.74	3	Horizontal	133	1.91	-				
PK	5.943G	59.49	68.20	-8.71	6.40	3	Horizontal	133	1.91	-				

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

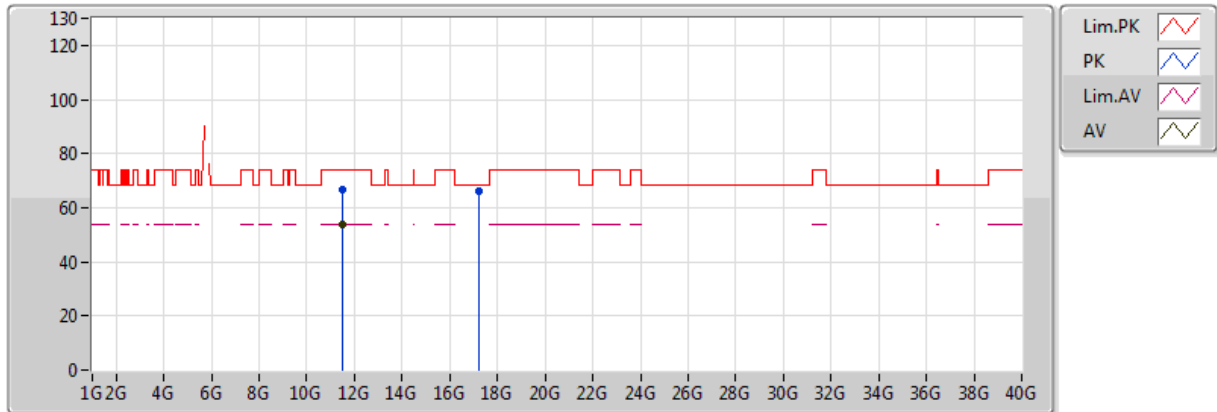


20170929
EUT Y_2TX
Setting 23
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.48848G	46.87	54.00	-7.13	12.31	3	Vertical	229	1.62	-				
PK	11.48822G	60.28	74.00	-13.72	12.31	3	Vertical	229	1.62	-				
PK	17.23462G	64.29	68.20	-3.91	17.81	3	Vertical	351	1.56	-				

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

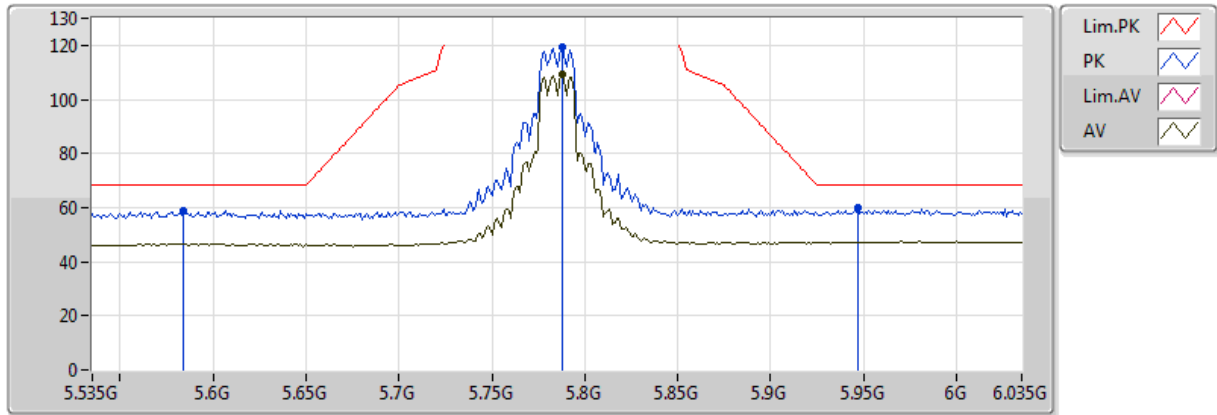


20170929
EUT Y_2TX
Setting 23
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.49014G	53.72	54.00	-0.28	12.31	3	Horizontal	108	1.67	-				
PK	11.49472G	66.85	74.00	-7.15	12.31	3	Horizontal	108	1.67	-				
PK	17.23528G	66.40	68.20	-1.80	17.81	3	Horizontal	349	2.50	-				

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

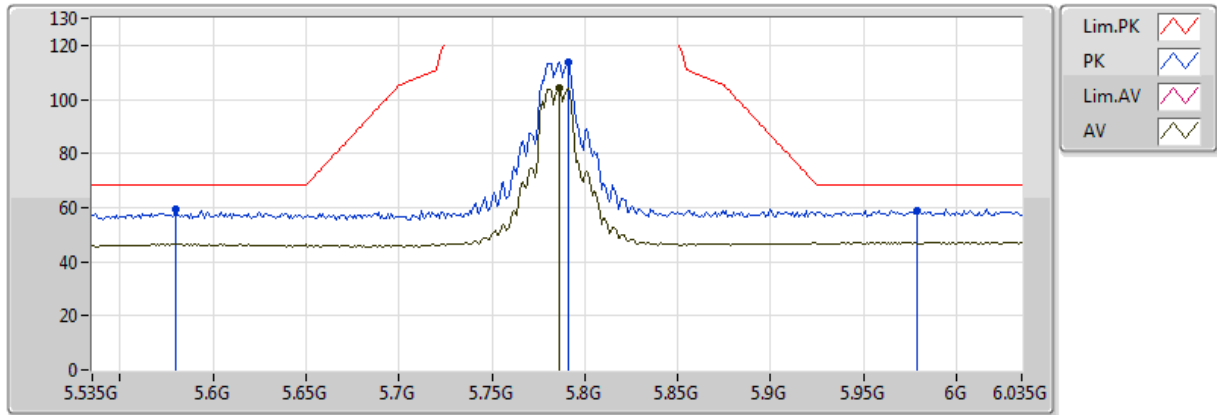


20170929
EUT Y_2TX
Setting 22
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.788G	109.04	Inf	-Inf	5.84	3	Vertical	333	1.77	-				
PK	5.584G	59.00	68.20	-9.20	5.24	3	Vertical	333	1.77	-				
PK	5.788G	119.15	Inf	-Inf	5.84	3	Vertical	333	1.77	-				
PK	5.947G	60.21	68.20	-7.99	6.42	3	Vertical	333	1.77	-				

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

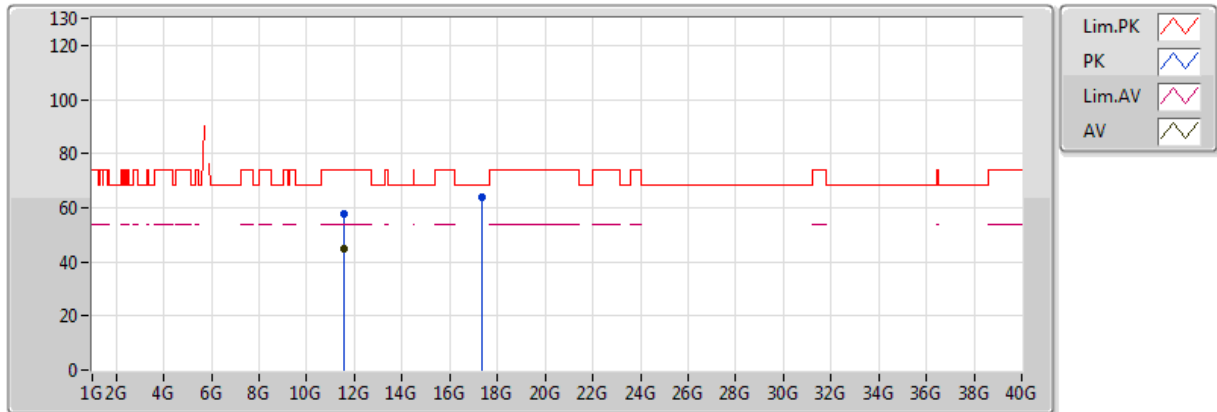


20170929
EUT Y_2TX
Setting 22
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.786G	104.27	Inf	-Inf	5.83	3	Horizontal	132	1.83	-				
PK	5.58G	59.53	68.20	-8.67	5.23	3	Horizontal	132	1.83	-				
PK	5.791G	113.85	Inf	-Inf	5.85	3	Horizontal	132	1.83	-				
PK	5.979G	58.87	68.20	-9.33	6.54	3	Horizontal	132	1.83	-				

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

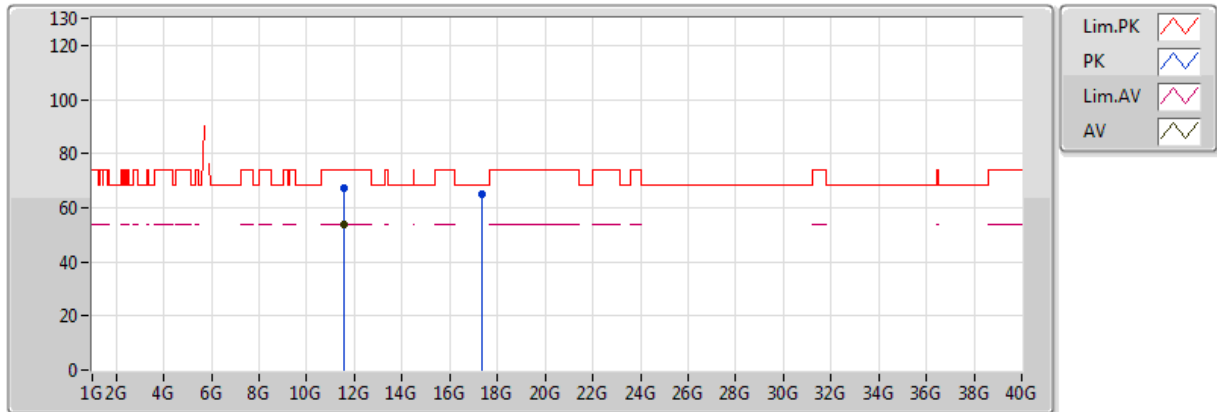


20170929
EUT Y_2TX
Setting 22
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.57014G	44.69	54.00	-9.31	12.29	3	Vertical	323	1.71	-				
PK	11.57034G	57.73	74.00	-16.27	12.29	3	Vertical	323	1.71	-				
PK	17.35334G	63.76	68.20	-4.44	18.03	3	Vertical	349	1.52	-				

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

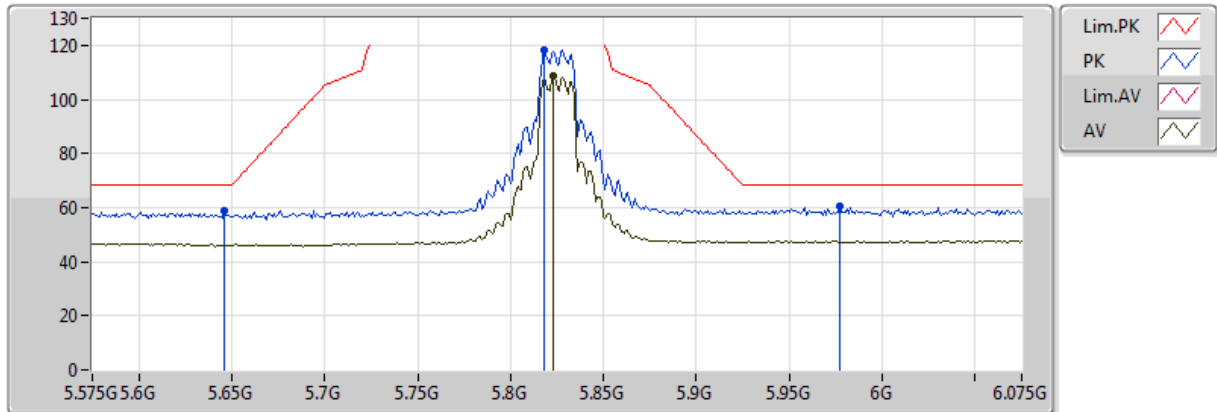


20170929
EUT Y_2TX
Setting 22
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.5701G	53.65	54.00	-0.35	12.29	3	Horizontal	109	1.57	-				
PK	11.57078G	67.40	74.00	-6.60	12.29	3	Horizontal	109	1.57	-				
PK	17.3556G	65.07	68.20	-3.13	18.04	3	Horizontal	10	2.50	-				

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

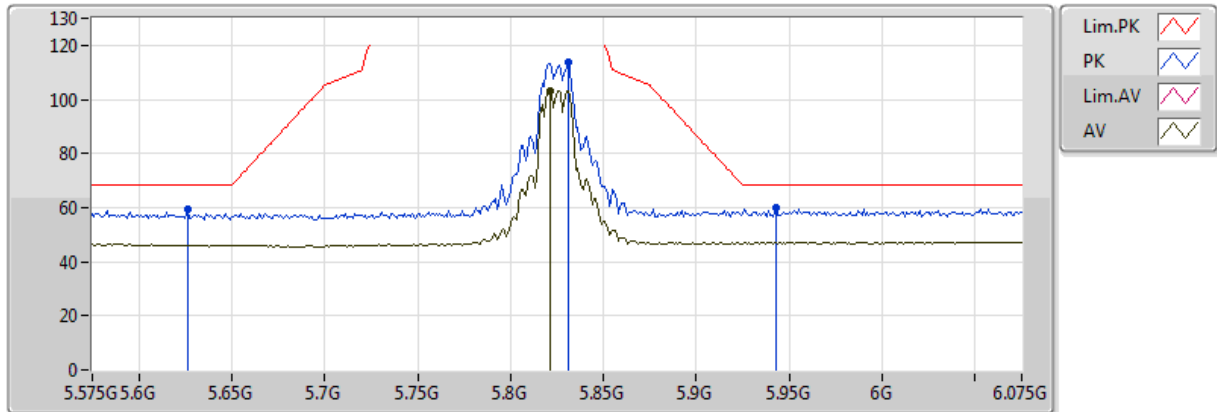


20170929
EUT_Y_2TX
Setting 21.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.823G	108.57	Inf	-Inf	5.96	3	Vertical	338	1.83	-				
PK	5.646G	58.98	68.20	-9.22	5.44	3	Vertical	338	1.83	-				
PK	5.818G	118.35	Inf	-Inf	5.94	3	Vertical	338	1.83	-				
PK	5.977G	60.76	68.20	-7.44	6.53	3	Vertical	338	1.83	-				

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

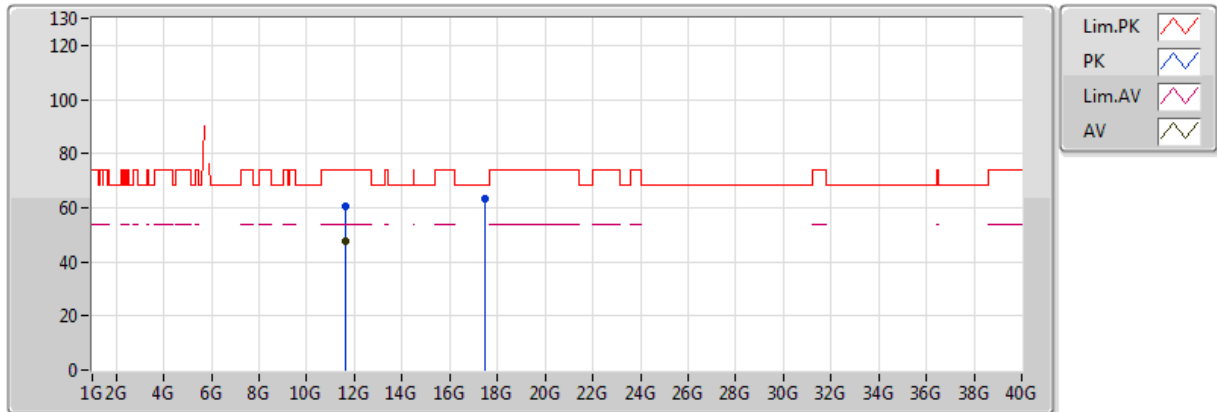


20170929
EUT Y_2TX
Setting 21.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.821G	103.27	Inf	-Inf	5.95	3	Horizontal	134	1.89	-				
PK	5.626G	59.23	68.20	-8.97	5.39	3	Horizontal	134	1.89	-				
PK	5.831G	113.52	Inf	-Inf	5.98	3	Horizontal	134	1.89	-				
PK	5.943G	59.91	68.20	-8.29	6.40	3	Horizontal	134	1.89	-				

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

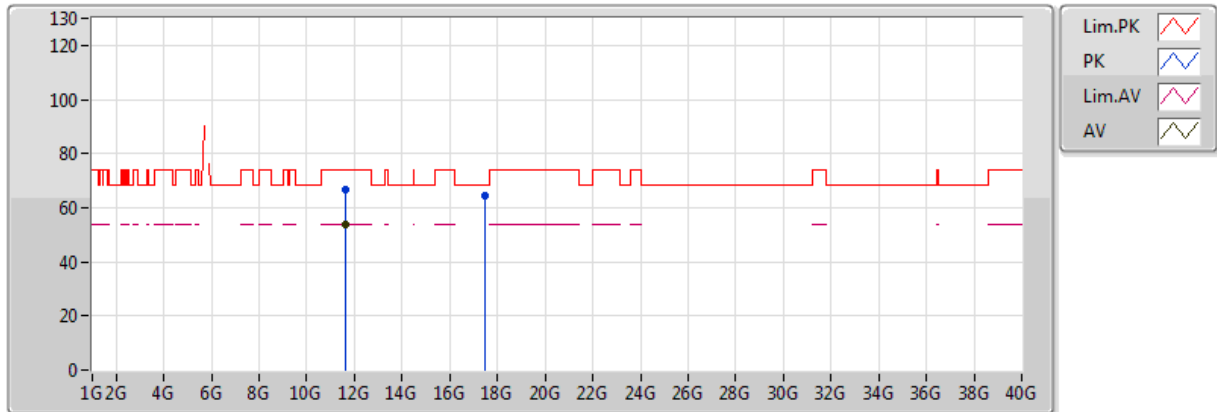


20170929
EUT Y_2TX
Setting 21.5
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.65019G	47.41	54.00	-6.59	12.28	3	Vertical	224	1.00	-				
PK	11.65129G	60.73	74.00	-13.27	12.28	3	Vertical	224	1.00	-				
PK	17.47443G	63.04	68.20	-5.16	18.27	3	Vertical	322	1.65	-				

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

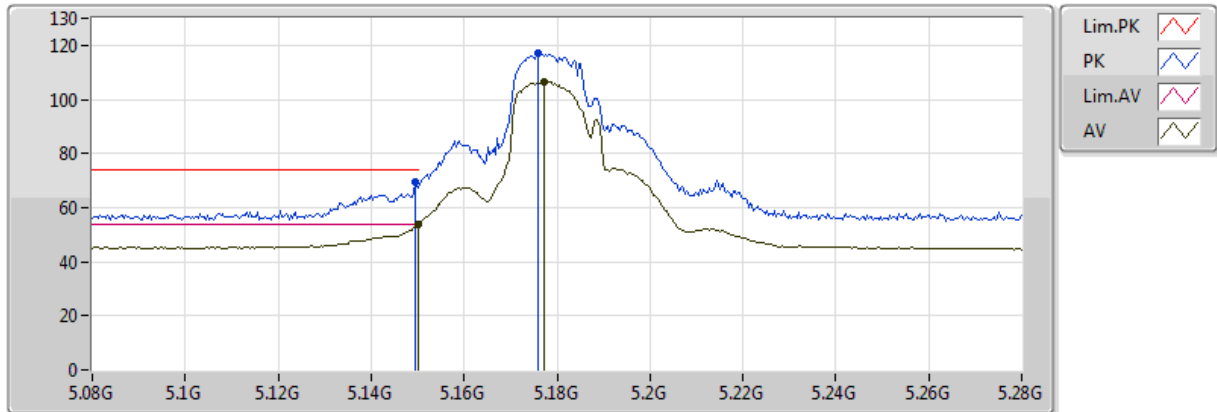


20170929
EUT Y_2TX
Setting 21.5
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.65024G	53.87	54.00	-0.13	12.28	3	Horizontal	107	1.56	-				
PK	11.6506G	66.91	74.00	-7.09	12.28	3	Horizontal	107	1.56	-				
PK	17.4748G	64.71	68.20	-3.49	18.27	3	Horizontal	9	2.48	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

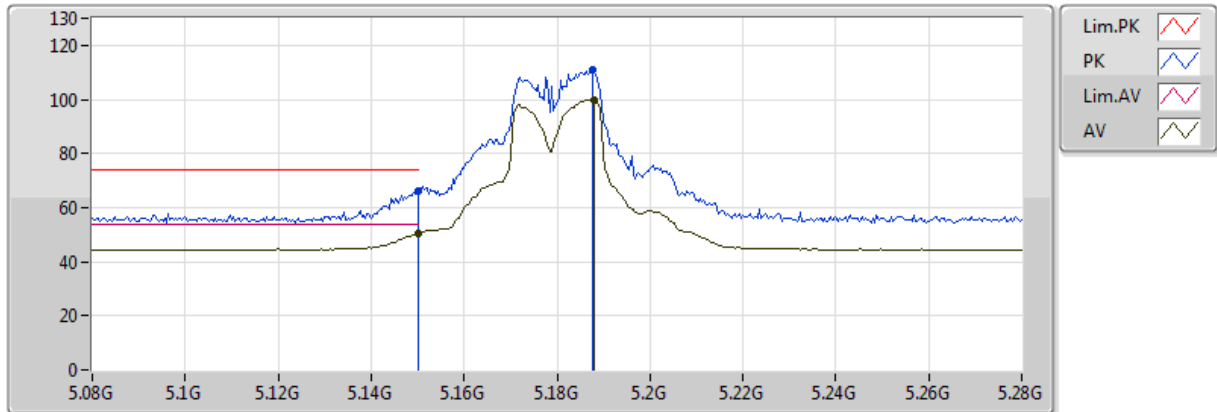


20170929
EUT Y_2TX
Setting 21
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	53.85	54.00	-0.15	4.17	3	Vertical	69	1.87	-				
AV	5.1772G	106.72	Inf	-Inf	4.23	3	Vertical	69	1.87	-				
PK	5.1496G	69.74	74.00	-4.26	4.17	3	Vertical	69	1.87	-				
PK	5.176G	116.87	Inf	-Inf	4.23	3	Vertical	69	1.87	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

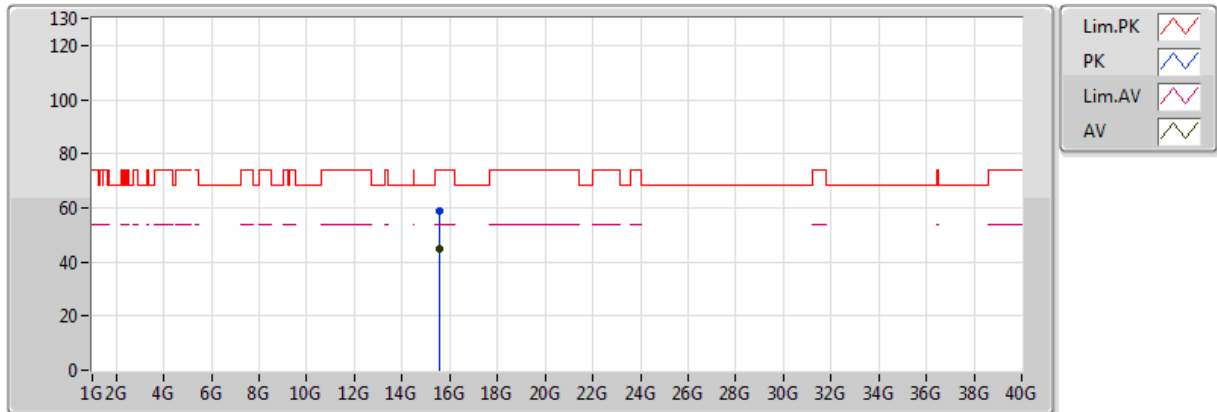


20170929
EUT Y_2TX
Setting 21
01-W-3-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	5.149995G	50.51	54.00	-3.49	4.17	3	Horizontal	179	1.68	-				
AV	5.188G	99.95	Inf	-Inf	4.25	3	Horizontal	179	1.68	-				
PK	5.149995G	66.13	74.00	-7.87	4.17	3	Horizontal	179	1.68	-				
PK	5.1876G	110.83	Inf	-Inf	4.25	3	Horizontal	179	1.68	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

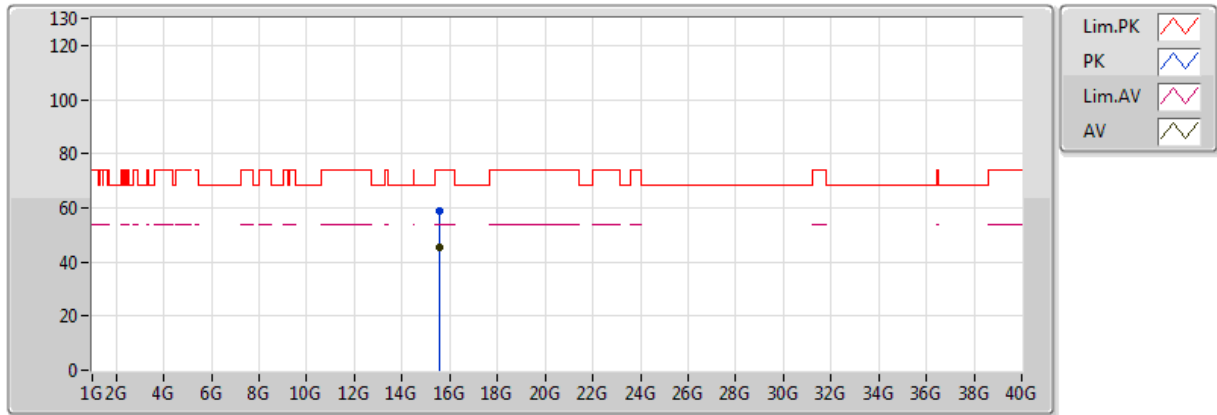


20170929
EUT Y_2TX
Setting 21
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.53883G	45.08	54.00	-8.92	13.53	3	Vertical	178	1.46	-				
PK	15.53885G	59.02	74.00	-14.98	13.53	3	Vertical	178	1.46	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

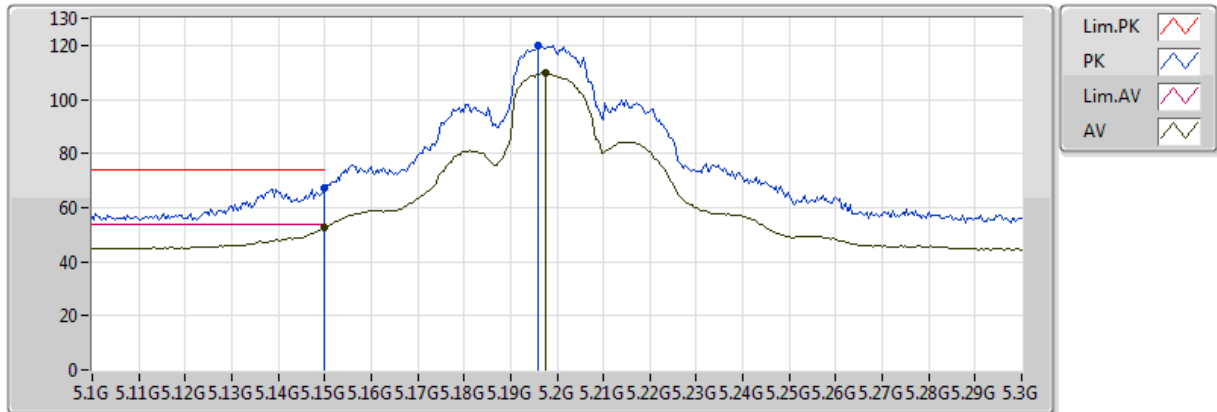


20170929
EUT Y_2TX
Setting 21
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.53887G	45.16	54.00	-8.84	13.53	3	Horizontal	97	2.53	-				
PK	15.5383G	58.82	74.00	-15.18	13.54	3	Horizontal	97	2.53	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

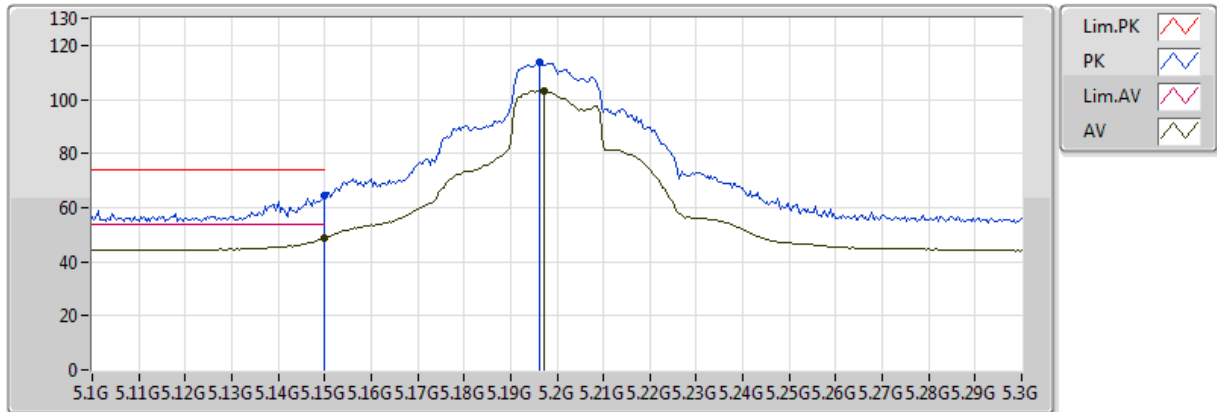


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	52.64	54.00	-1.36	4.17	3	Vertical	77	1.83	-				
AV	5.1976G	109.76	Inf	-Inf	4.27	3	Vertical	77	1.83	-				
PK	5.149995G	67.02	74.00	-6.98	4.17	3	Vertical	77	1.83	-				
PK	5.196G	119.88	Inf	-Inf	4.27	3	Vertical	77	1.83	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

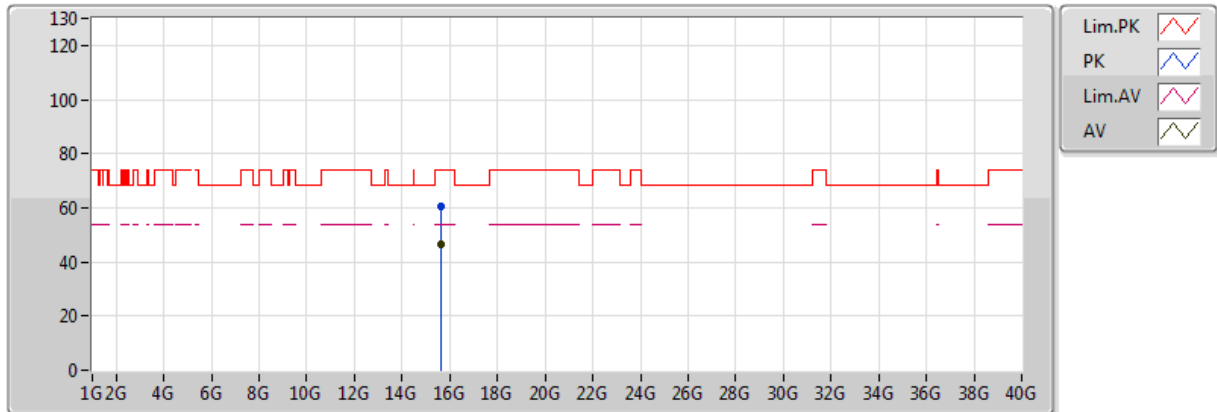


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	48.68	54.00	-5.32	4.17	3	Horizontal	43	1.07	-				
AV	5.1972G	103.24	Inf	-Inf	4.27	3	Horizontal	43	1.07	-				
PK	5.149995G	64.40	74.00	-9.60	4.17	3	Horizontal	43	1.07	-				
PK	5.1964G	113.59	Inf	-Inf	4.27	3	Horizontal	43	1.07	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

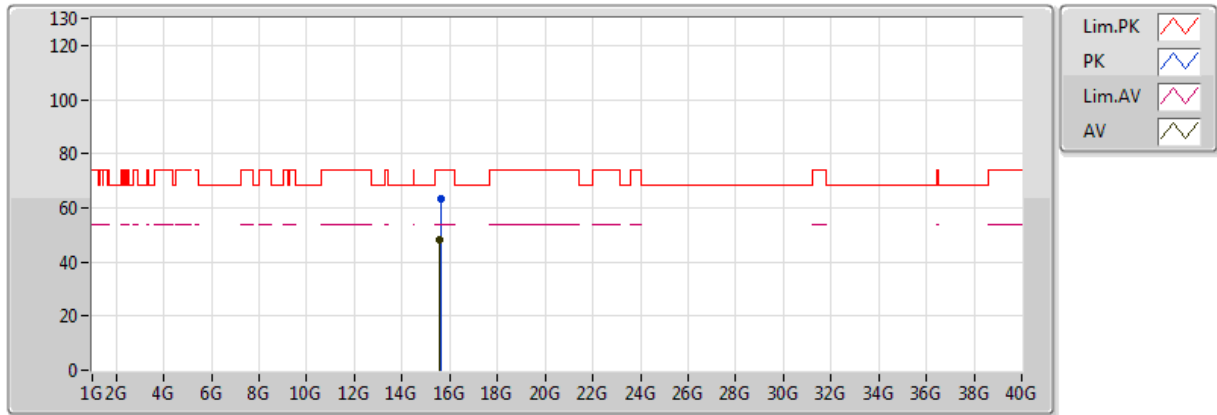


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.60169G	46.67	54.00	-7.33	13.46	3	Vertical	139	1.50	-				
PK	15.60229G	60.59	74.00	-13.41	13.46	3	Vertical	139	1.50	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

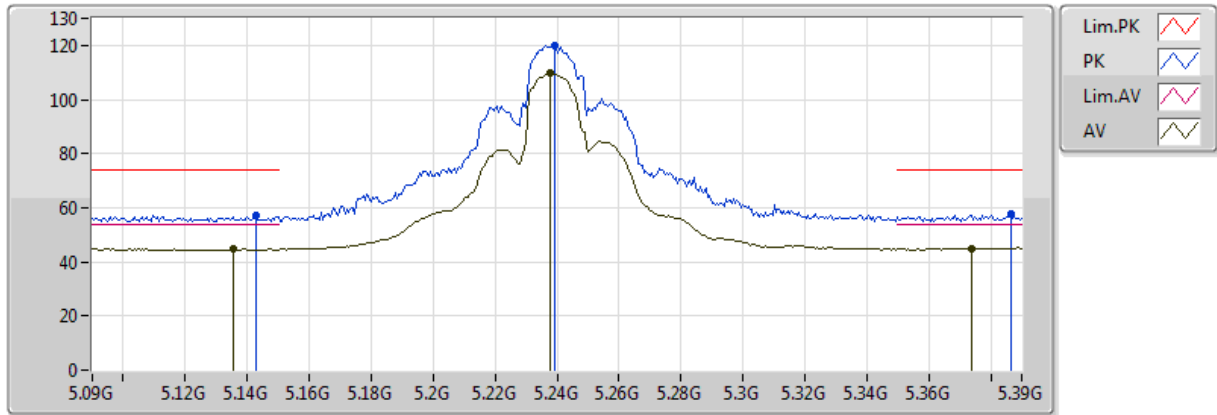


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.60086G	48.18	54.00	-5.82	13.46	3	Horizontal	110	1.60	-				
PK	15.60118G	63.23	74.00	-10.77	13.46	3	Horizontal	110	1.60	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

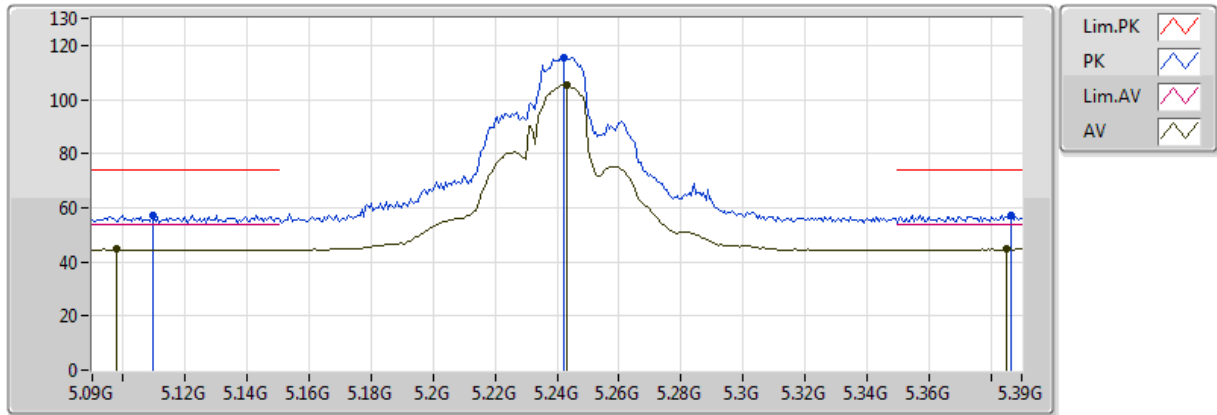


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1356G	44.81	54.00	-9.19	4.14	3	Vertical	354	2.71	-				
AV	5.2376G	109.70	Inf	-Inf	4.34	3	Vertical	354	2.71	-				
AV	5.3738G	44.91	54.00	-9.09	4.55	3	Vertical	354	2.71	-				
PK	5.1428G	56.94	74.00	-17.06	4.15	3	Vertical	354	2.71	-				
PK	5.2394G	120.13	Inf	-Inf	4.35	3	Vertical	354	2.71	-				
PK	5.3864G	57.52	74.00	-16.48	4.57	3	Vertical	354	2.71	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

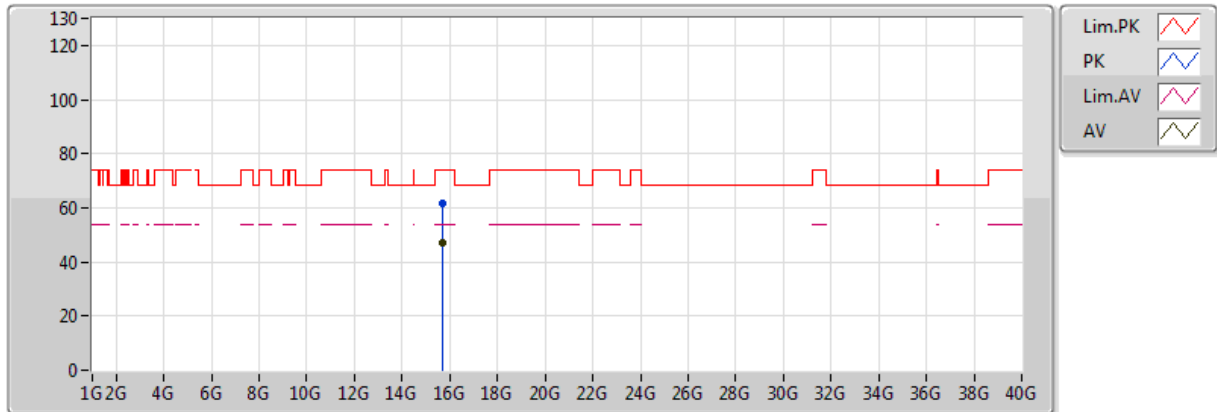


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.0978G	44.58	54.00	-9.42	4.05	3	Horizontal	115	2.77	-				
AV	5.243G	105.52	Inf	-Inf	4.35	3	Horizontal	115	2.77	-				
AV	5.3852G	44.83	54.00	-9.17	4.57	3	Horizontal	115	2.77	-				
PK	5.1098G	57.39	74.00	-16.61	4.08	3	Horizontal	115	2.77	-				
PK	5.2424G	115.57	Inf	-Inf	4.35	3	Horizontal	115	2.77	-				
PK	5.3864G	57.27	74.00	-16.73	4.57	3	Horizontal	115	2.77	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

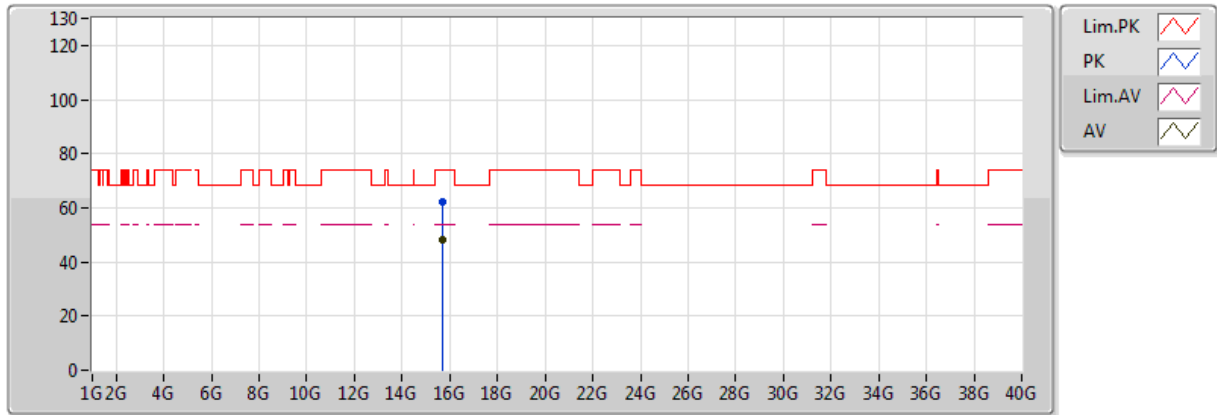


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.72428G	47.29	54.00	-6.71	13.32	3	Vertical	321	2.76	-				
PK	15.72488G	61.42	74.00	-12.58	13.32	3	Vertical	321	2.76	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

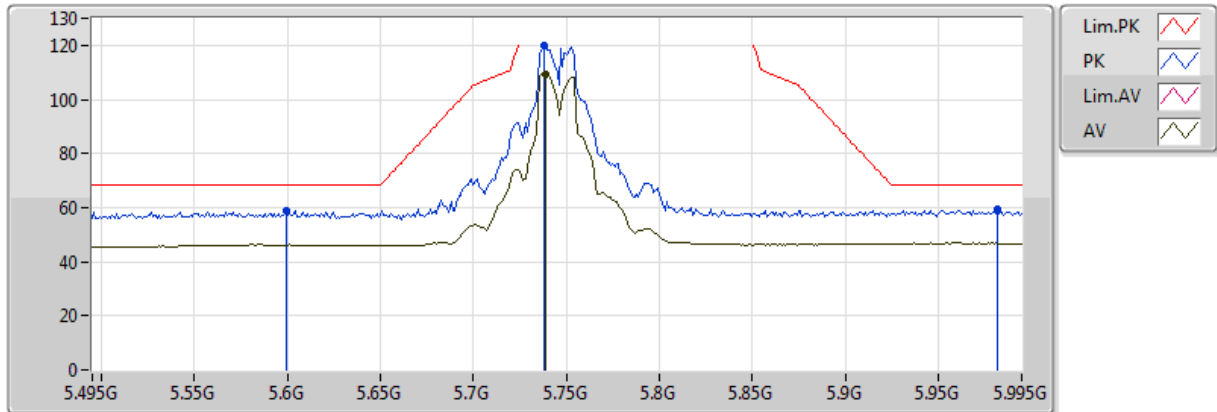


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.72412G	48.03	54.00	-5.97	13.32	3	Horizontal	110	1.62	-				
PK	15.72332G	62.26	74.00	-11.74	13.32	3	Horizontal	110	1.62	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

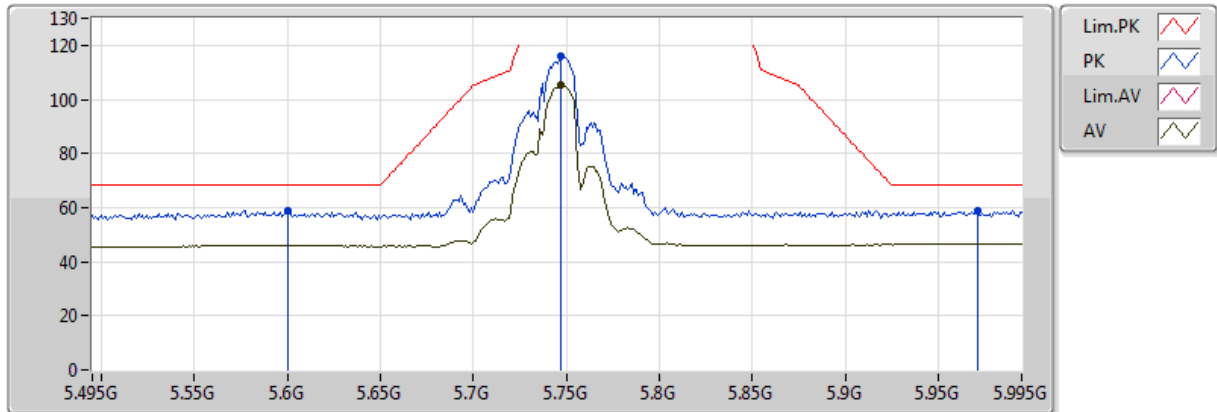


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.739G	109.35	Inf	-Inf	5.71	3	Vertical	336	1.79	-				
PK	5.599G	58.95	68.20	-9.25	5.31	3	Vertical	336	1.79	-				
PK	5.738G	119.79	Inf	-Inf	5.70	3	Vertical	336	1.79	-				
PK	5.982G	59.62	68.20	-8.58	6.55	3	Vertical	336	1.79	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

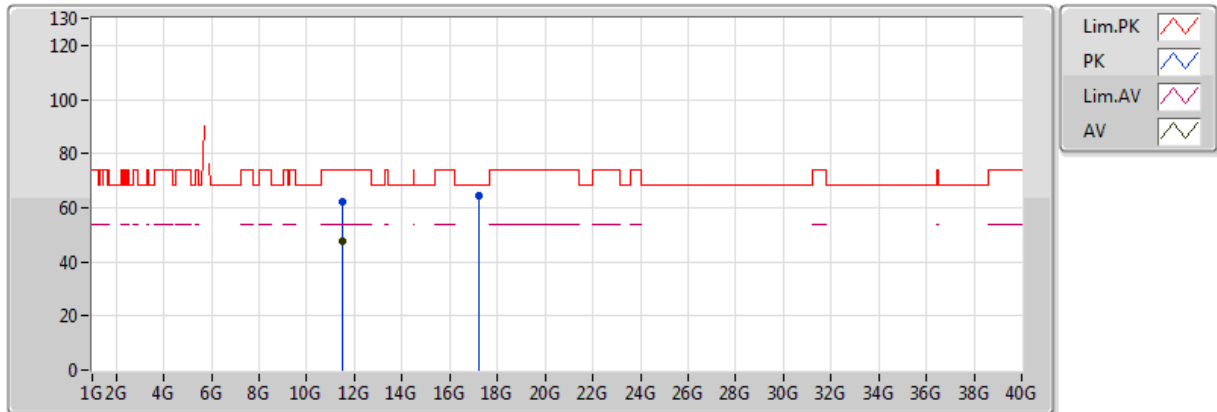


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.747G	105.39	Inf	-Inf	5.73	3	Horizontal	133	1.84	-				
PK	5.6G	58.83	68.20	-9.37	5.31	3	Horizontal	133	1.84	-				
PK	5.747G	116.23	Inf	-Inf	5.73	3	Horizontal	133	1.84	-				
PK	5.971G	58.93	68.20	-9.27	6.51	3	Horizontal	133	1.84	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

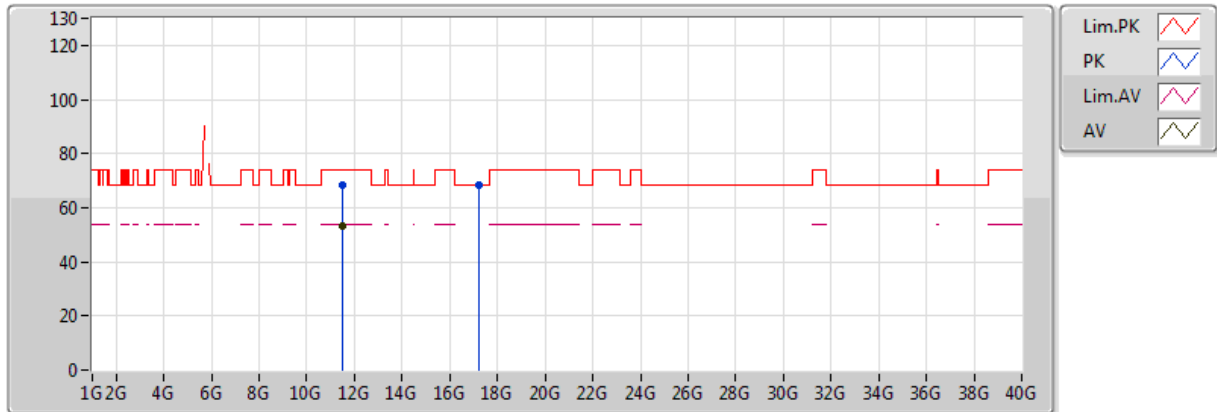


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.48978G	47.42	54.00	-6.58	12.31	3	Vertical	223	1.04	-				
PK	11.48748G	62.39	74.00	-11.61	12.31	3	Vertical	223	1.04	-				
PK	17.23928G	64.39	68.20	-3.81	17.82	3	Vertical	350	1.56	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

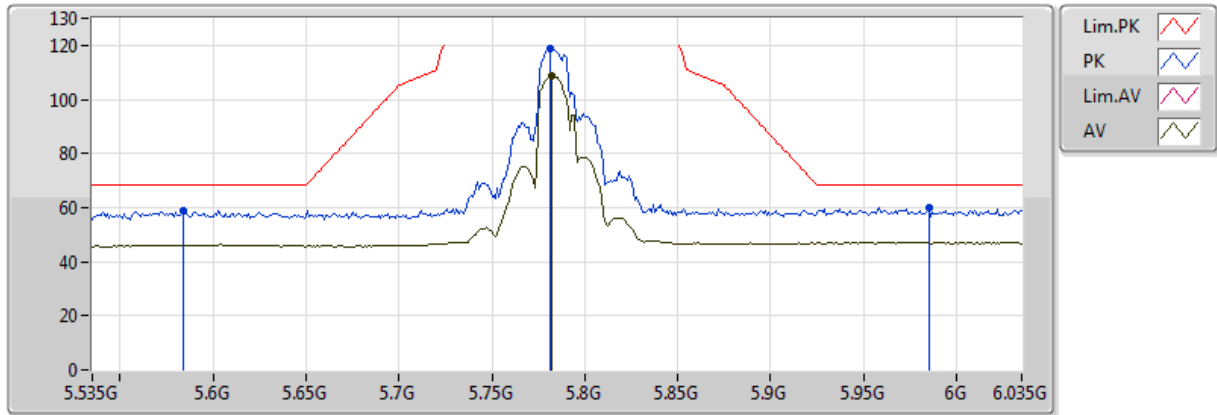


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.49004G	53.18	54.00	-0.82	12.31	3	Horizontal	108	1.64	-				
PK	11.4891G	68.52	74.00	-5.48	12.31	3	Horizontal	108	1.64	-				
PK	17.2328G	68.14	68.20	-0.06	17.80	3	Horizontal	12	2.51	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

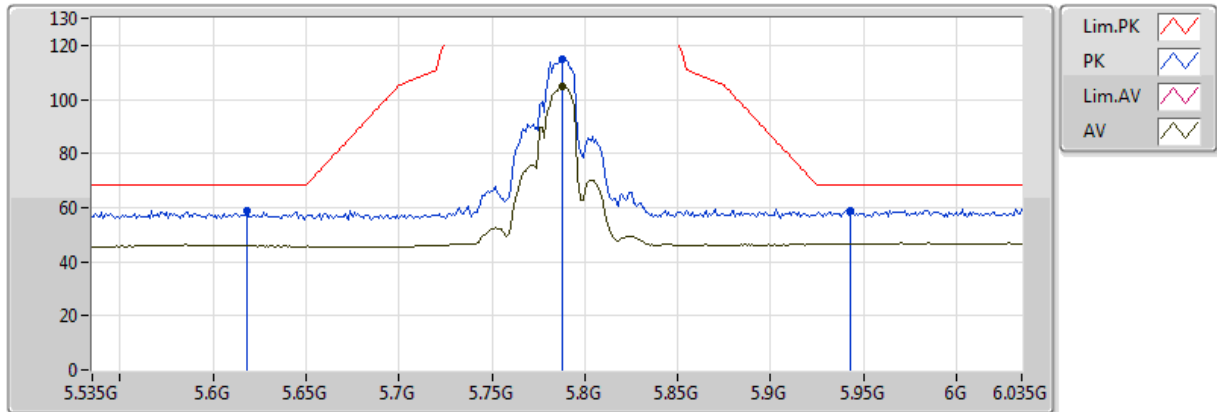


20170929
EUT Y_2TX
Setting 22.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.782G	108.78	Inf	-Inf	5.82	3	Vertical	352	1.80	-				
PK	5.584G	58.83	68.20	-9.37	5.24	3	Vertical	352	1.80	-				
PK	5.781G	119.01	Inf	-Inf	5.82	3	Vertical	352	1.80	-				
PK	5.985G	60.13	68.20	-8.07	6.56	3	Vertical	352	1.80	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

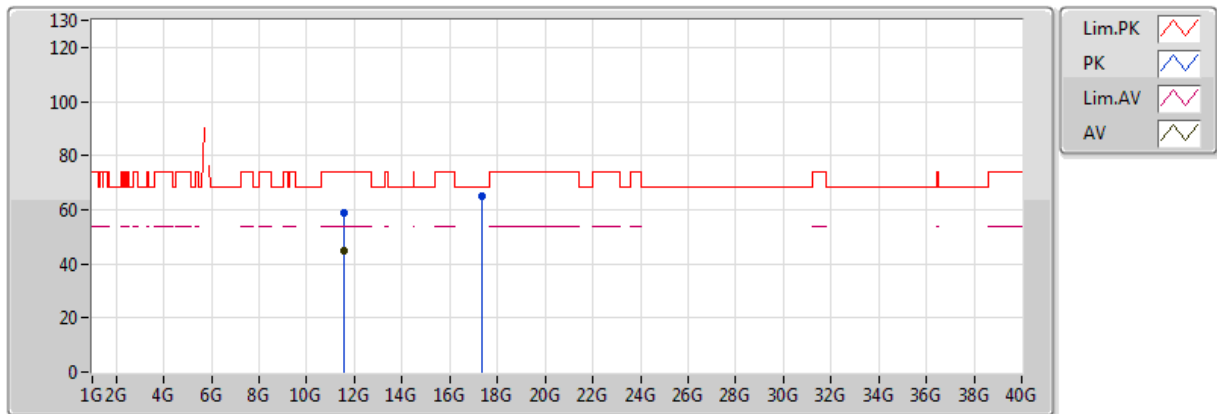


20170929
EUT Y_2TX
Setting 22.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.788G	104.70	Inf	-Inf	5.84	3	Horizontal	133	1.84	-				
PK	5.618G	58.80	68.20	-9.40	5.36	3	Horizontal	133	1.84	-				
PK	5.788G	114.70	Inf	-Inf	5.84	3	Horizontal	133	1.84	-				
PK	5.943G	59.05	68.20	-9.15	6.40	3	Horizontal	133	1.84	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

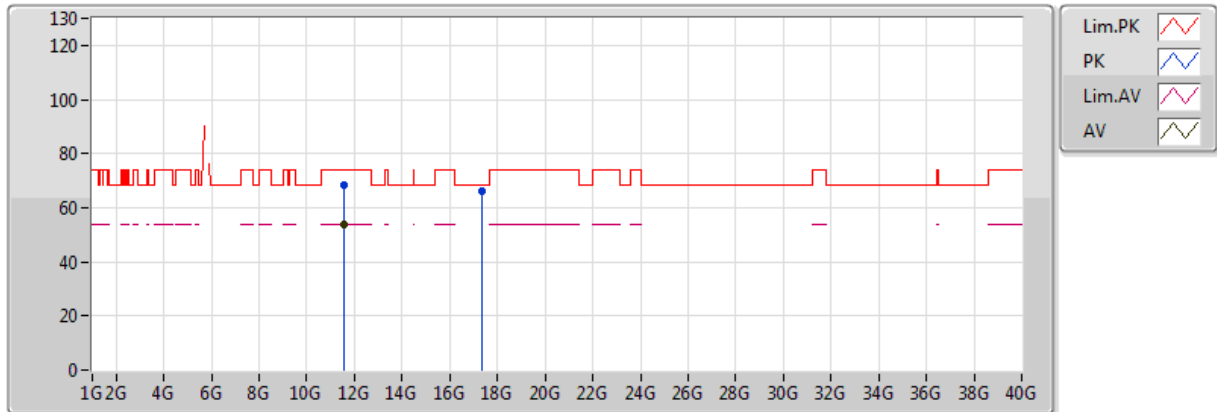


20170929
EUT Y_2TX
Setting 22.5
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.57006G	44.90	54.00	-9.10	12.29	3	Vertical	322	1.63	-				
PK	11.56922G	59.05	74.00	-14.95	12.29	3	Vertical	322	1.63	-				
PK	17.35026G	64.80	68.20	-3.40	18.03	3	Vertical	350	1.50	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

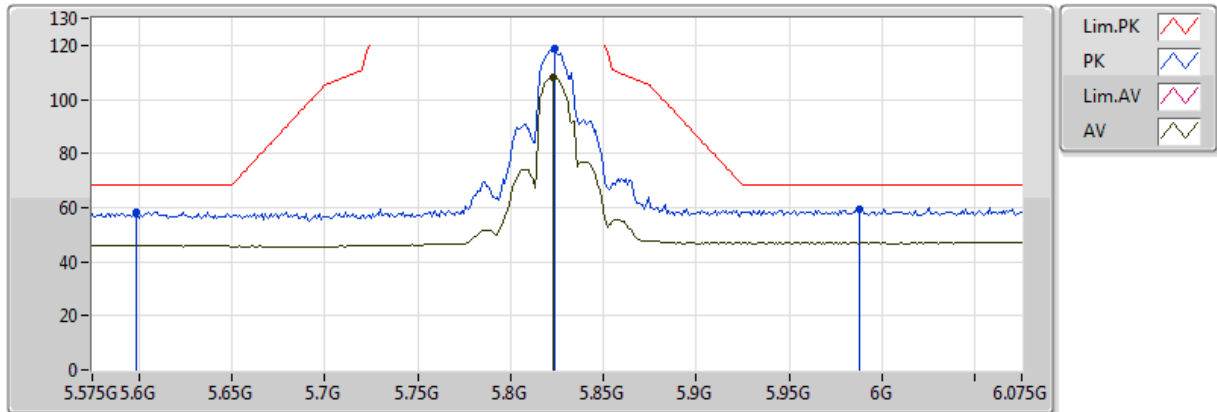


20170929
EUT Y_2TX
Setting 22.5
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.56956G	53.68	54.00	-0.32	12.29	3	Horizontal	107	1.63	-				
PK	11.5692G	68.64	74.00	-5.36	12.29	3	Horizontal	107	1.63	-				
PK	17.35296G	66.17	68.20	-2.03	18.03	3	Horizontal	12	2.48	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

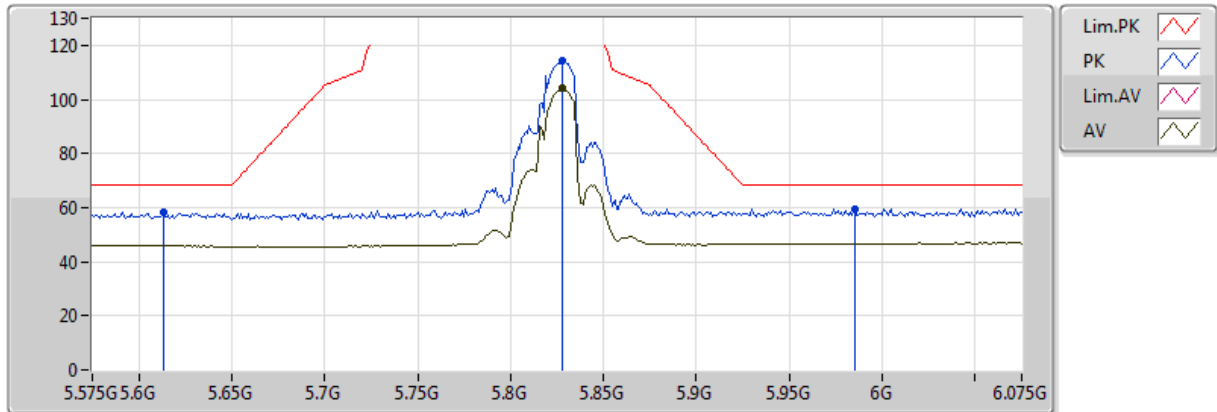


20170929
EUT Y_2TX
Setting 22
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.823G	108.34	Inf	-Inf	5.96	3	Vertical	353	1.89	-				
PK	5.599G	58.47	68.20	-9.73	5.31	3	Vertical	353	1.89	-				
PK	5.824G	118.64	Inf	-Inf	5.96	3	Vertical	353	1.89	-				
PK	5.988G	59.56	68.20	-8.64	6.57	3	Vertical	353	1.89	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

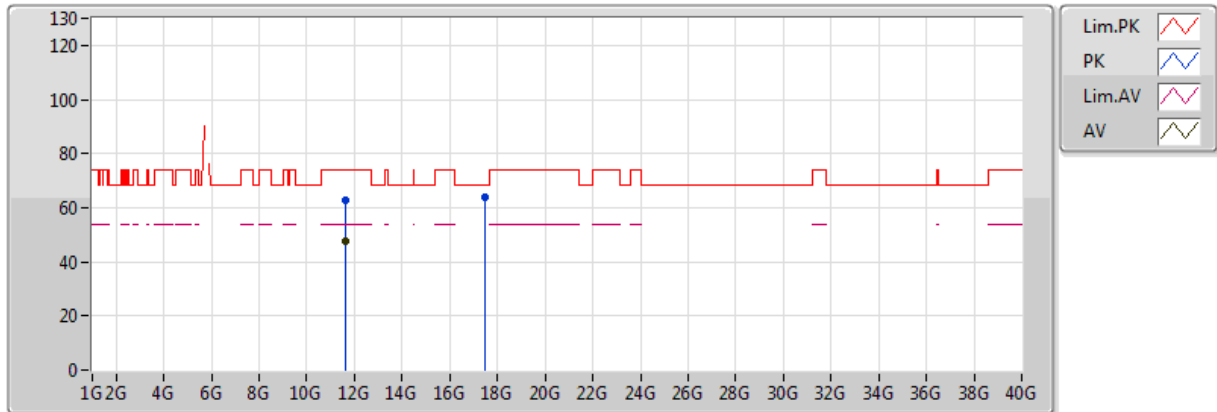


20170929
EUT Y_2TX
Setting 22
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.828G	104.03	Inf	-Inf	5.97	3	Horizontal	133	1.83	-
PK	5.613G	58.52	68.20	-9.68	5.35	3	Horizontal	133	1.83	-
PK	5.828G	114.38	Inf	-Inf	5.97	3	Horizontal	133	1.83	-
PK	5.985G	59.61	68.20	-8.59	6.56	3	Horizontal	133	1.83	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

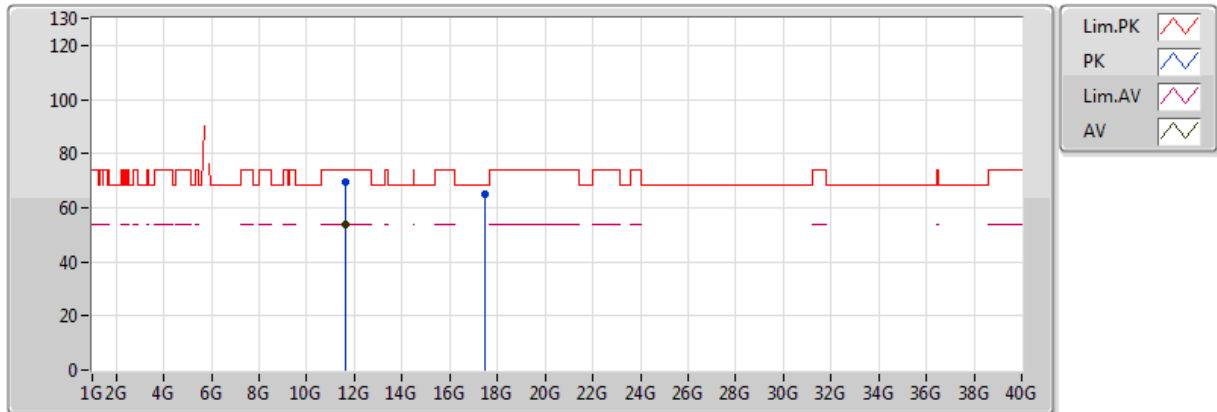


20170929
EUT Y_2TX
Setting 22
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.6484G	47.48	54.00	-6.52	12.28	3	Vertical	225	1.01	-				
PK	11.64908G	62.53	74.00	-11.47	12.28	3	Vertical	225	1.01	-				
PK	17.47507G	63.69	68.20	-4.51	18.27	3	Vertical	88	1.52	-				

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

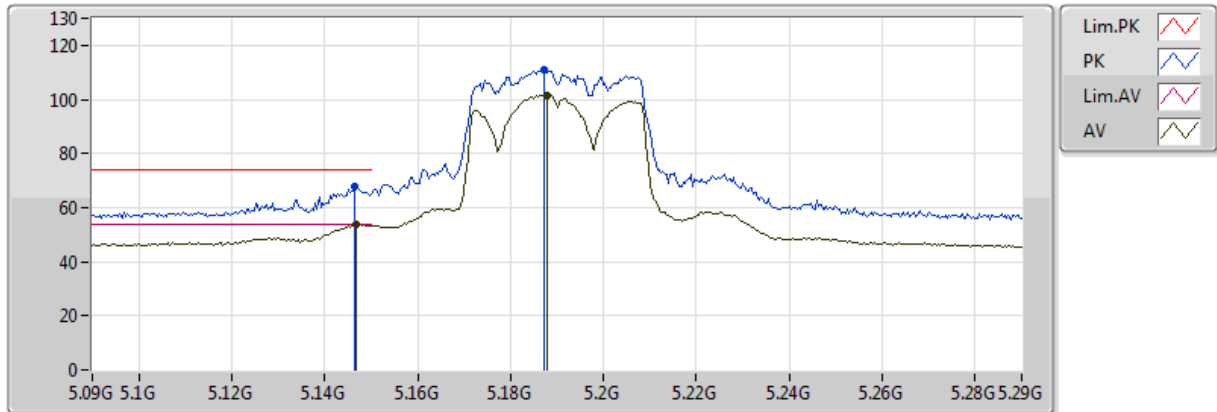


20170929
EUT Y_2TX
Setting 22
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.64984G	53.95	54.00	-0.05	12.28	3	Horizontal	108	1.59	-				
PK	11.64932G	69.36	74.00	-4.64	12.28	3	Horizontal	108	1.59	-				
PK	17.4715G	64.93	68.20	-3.27	18.26	3	Horizontal	5	2.49	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

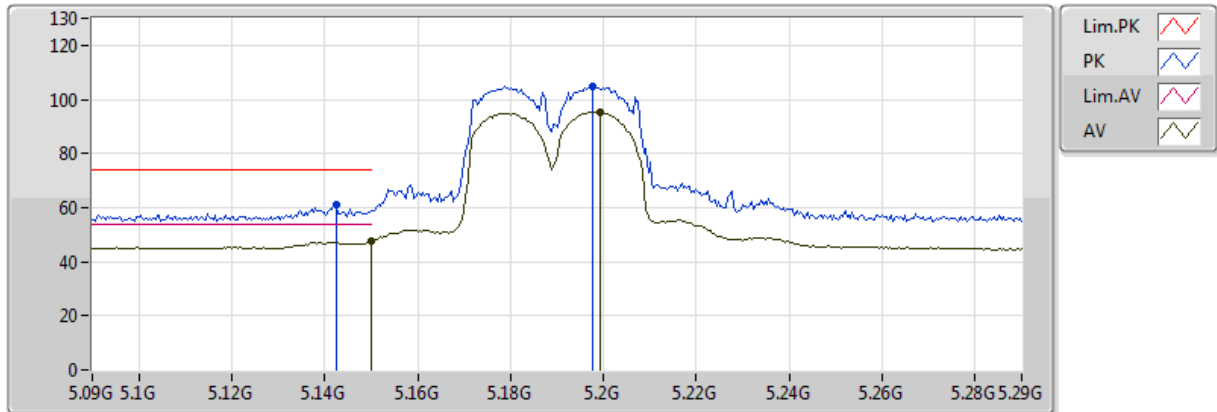


20170929
EUT Y_2TX
Setting 17.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1468G	53.76	54.00	-0.24	4.16	3	Vertical	77	1.82	-				
AV	5.188G	101.69	Inf	-Inf	4.25	3	Vertical	77	1.82	-				
PK	5.1464G	67.83	74.00	-6.17	4.16	3	Vertical	77	1.82	-				
PK	5.1872G	111.06	Inf	-Inf	4.25	3	Vertical	77	1.82	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

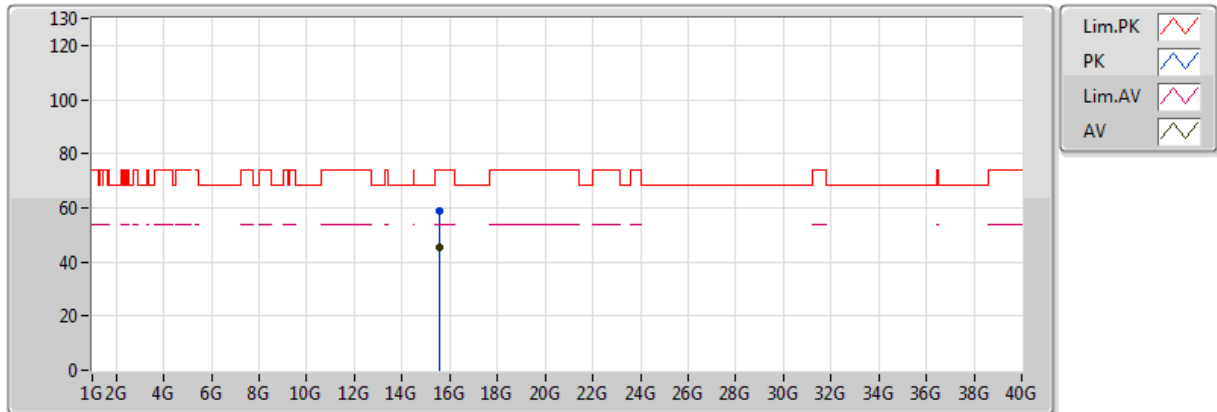


20170929
EUT Y_2TX
Setting 17.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	47.70	54.00	-6.30	4.17	3	Horizontal	177	1.81	-				
AV	5.1992G	95.32	Inf	-Inf	4.28	3	Horizontal	177	1.81	-				
PK	5.1424G	61.07	74.00	-12.93	4.15	3	Horizontal	177	1.81	-				
PK	5.1976G	104.63	Inf	-Inf	4.27	3	Horizontal	177	1.81	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

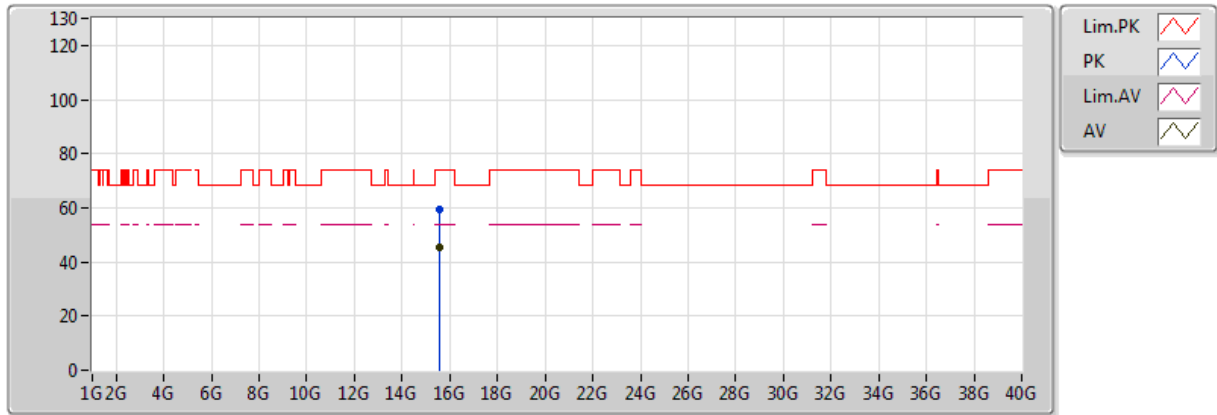


20170929
EUT Y_2TX
Setting 17.5
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.5685G	45.64	54.00	-8.36	13.50	3	Vertical	341	1.49	-				
PK	15.57215G	59.00	74.00	-15.00	13.50	3	Vertical	341	1.49	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

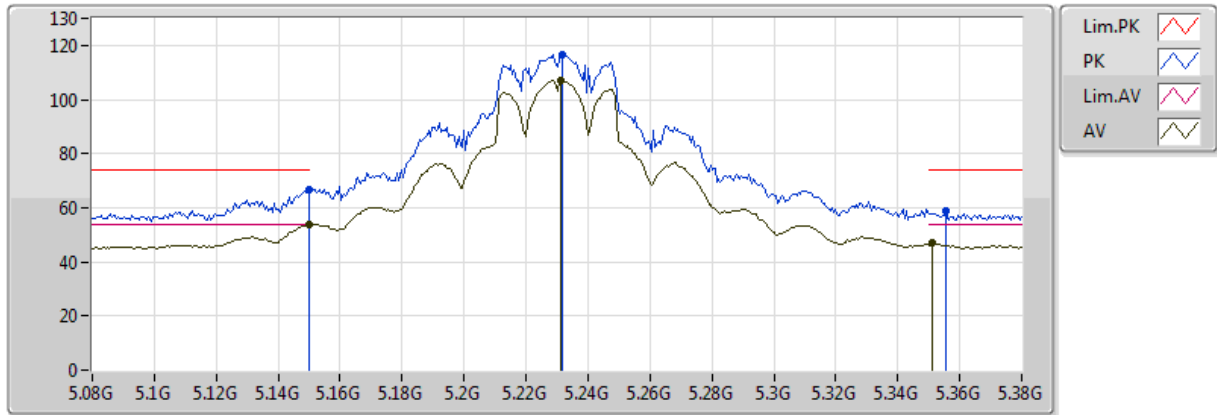


20170929
EUT Y_2TX
Setting 17.5
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.57075G	45.60	54.00	-8.40	13.50	3	Horizontal	50	1.09	-				
PK	15.57214G	59.15	74.00	-14.85	13.50	3	Horizontal	50	1.09	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

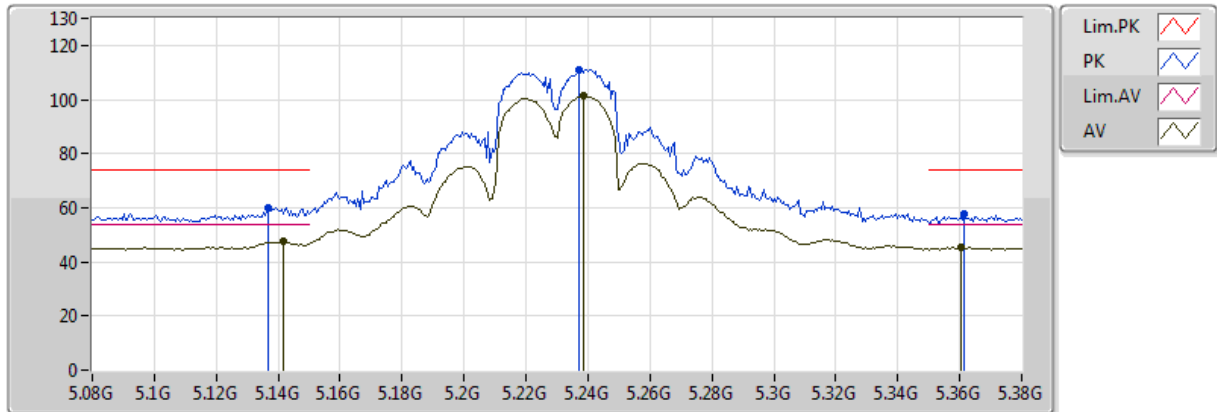


20170929
EUT Y_2TX
Setting 23
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	53.88	54.00	-0.12	4.17	3	Vertical	0	1.91	-				
AV	5.2312G	107.13	Inf	-Inf	4.33	3	Vertical	0	1.91	-				
AV	5.3512G	46.81	54.00	-7.19	4.52	3	Vertical	0	1.91	-				
PK	5.149995G	66.86	74.00	-7.14	4.17	3	Vertical	0	1.91	-				
PK	5.2318G	116.50	Inf	-Inf	4.33	3	Vertical	0	1.91	-				
PK	5.3554G	58.76	74.00	-15.24	4.53	3	Vertical	0	1.91	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

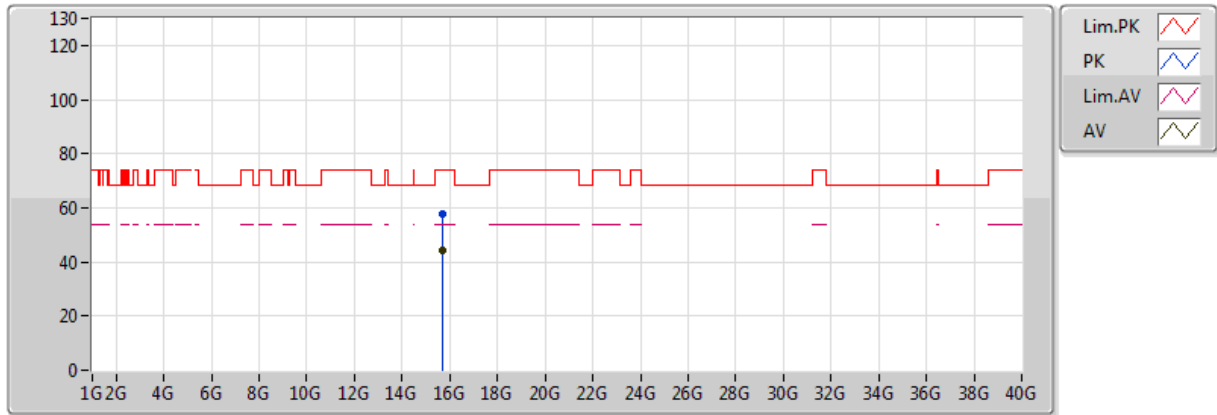


20170929
EUT Y_2TX
Setting 23
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1418G	47.42	54.00	-6.58	4.15	3	Horizontal	178	2.65	-				
AV	5.2384G	101.43	Inf	-Inf	4.35	3	Horizontal	178	2.65	-				
AV	5.3602G	45.34	54.00	-8.66	4.53	3	Horizontal	178	2.65	-				
PK	5.137G	59.87	74.00	-14.13	4.14	3	Horizontal	178	2.65	-				
PK	5.2372G	110.98	Inf	-Inf	4.34	3	Horizontal	178	2.65	-				
PK	5.3614G	57.55	74.00	-16.45	4.54	3	Horizontal	178	2.65	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

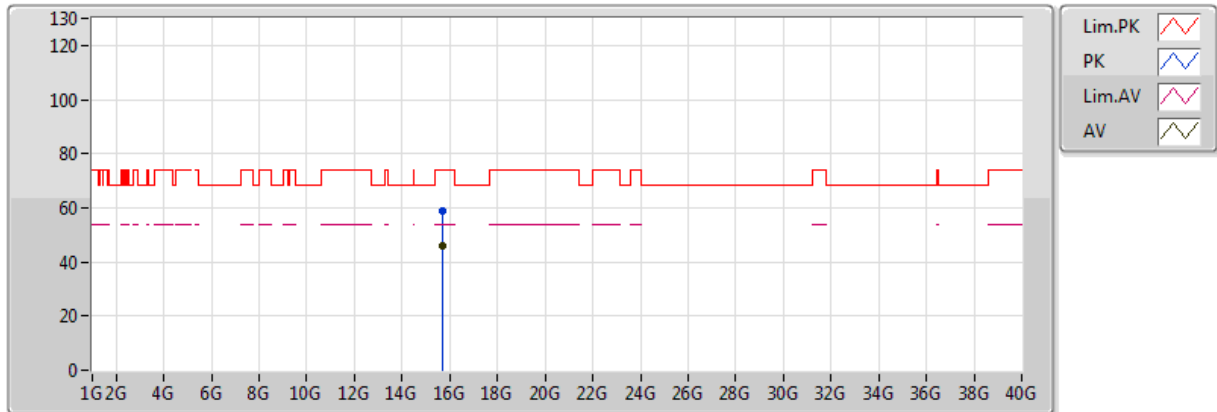


20170929
EUT Y_2TX
Setting 23
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.68798G	44.49	54.00	-9.51	13.36	3	Vertical	74	1.85	-				
PK	15.68946G	57.55	74.00	-16.45	13.36	3	Vertical	74	1.85	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

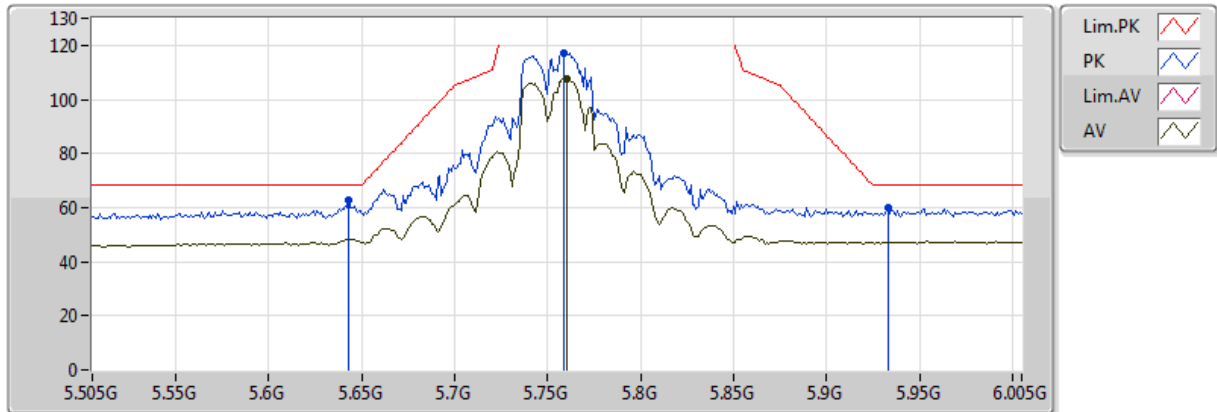


20170929
EUT Y_2TX
Setting 23
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.69213G	45.87	54.00	-8.13	13.36	3	Horizontal	108	1.60	-				
PK	15.69218G	58.72	74.00	-15.28	13.36	3	Horizontal	108	1.60	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

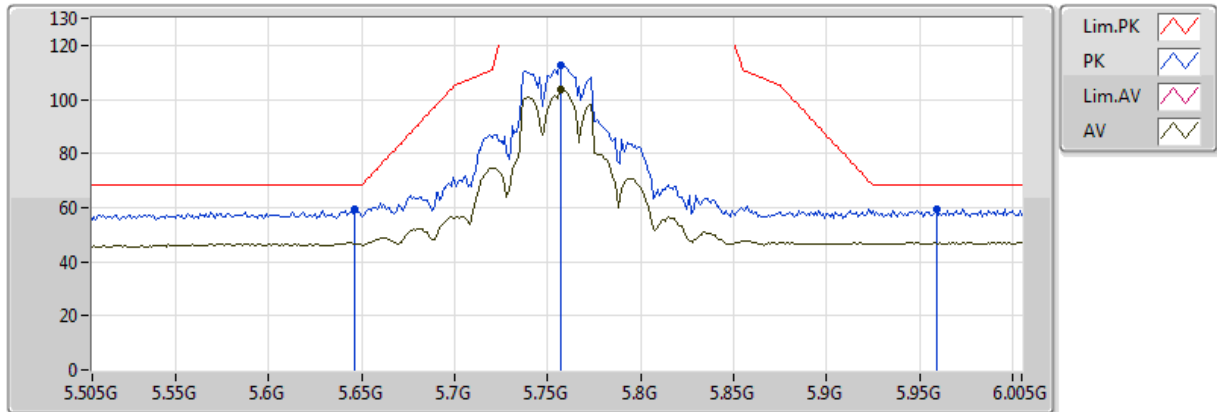


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.76G	107.73	Inf	-Inf	5.76	3	Vertical	13	1.75	-				
PK	5.643G	62.95	68.20	-5.25	5.43	3	Vertical	13	1.75	-				
PK	5.759G	117.19	Inf	-Inf	5.76	3	Vertical	13	1.75	-				
PK	5.933G	59.78	68.20	-8.42	6.37	3	Vertical	13	1.75	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

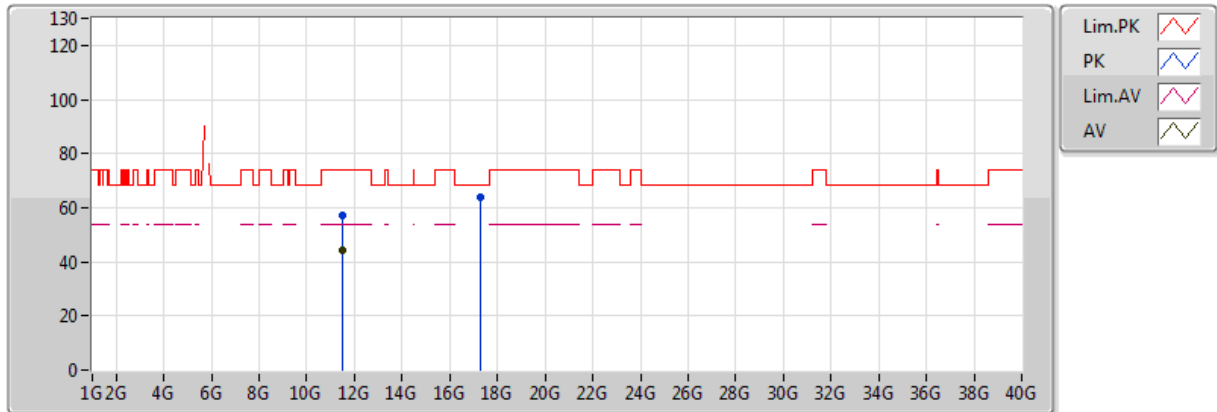


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.757G	103.42	Inf	-Inf	5.75	3	Horizontal	134	1.79	-				
PK	5.646G	59.18	68.20	-9.02	5.44	3	Horizontal	134	1.79	-				
PK	5.757G	112.59	Inf	-Inf	5.75	3	Horizontal	134	1.79	-				
PK	5.959G	59.25	68.20	-8.95	6.46	3	Horizontal	134	1.79	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

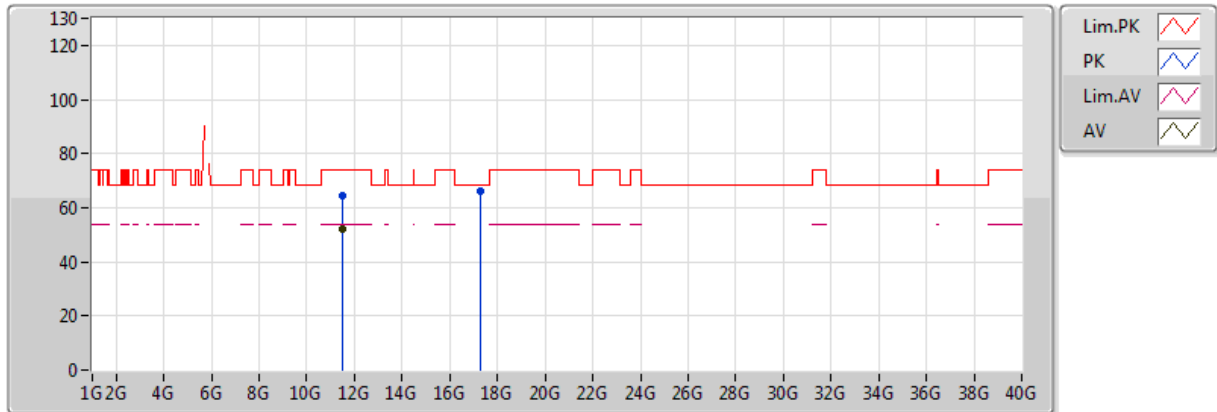


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.50979G	44.48	54.00	-9.52	12.30	3	Vertical	323	1.65	-				
PK	11.50883G	57.03	74.00	-16.97	12.30	3	Vertical	323	1.65	-				
PK	17.26324G	64.09	68.20	-4.11	17.86	3	Vertical	139	1.84	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

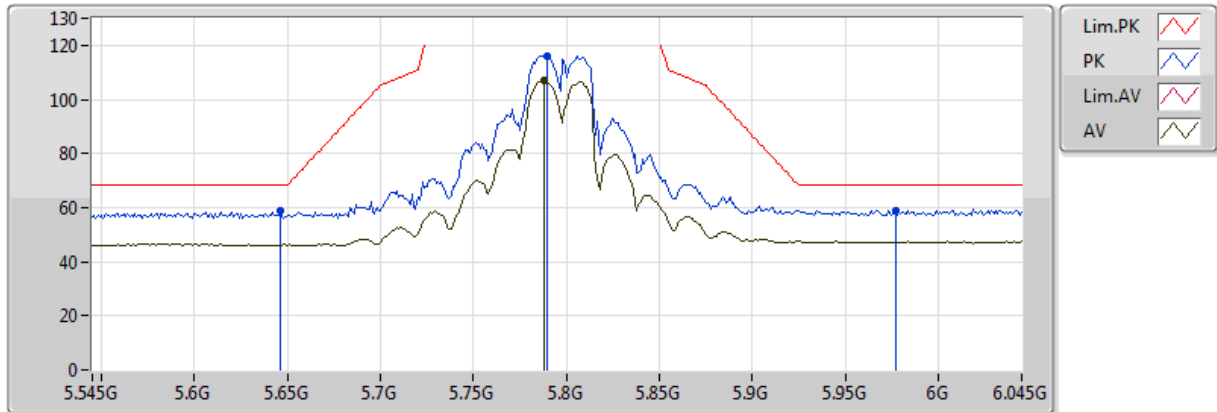


20170929
EUT Y_2TX
Setting 25(Max Setting)
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.50992G	52.18	54.00	-1.82	12.30	3	Horizontal	107	1.64	-				
PK	11.51089G	64.33	74.00	-9.67	12.30	3	Horizontal	107	1.64	-				
PK	17.26263G	66.28	68.20	-1.92	17.86	3	Horizontal	14	2.50	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

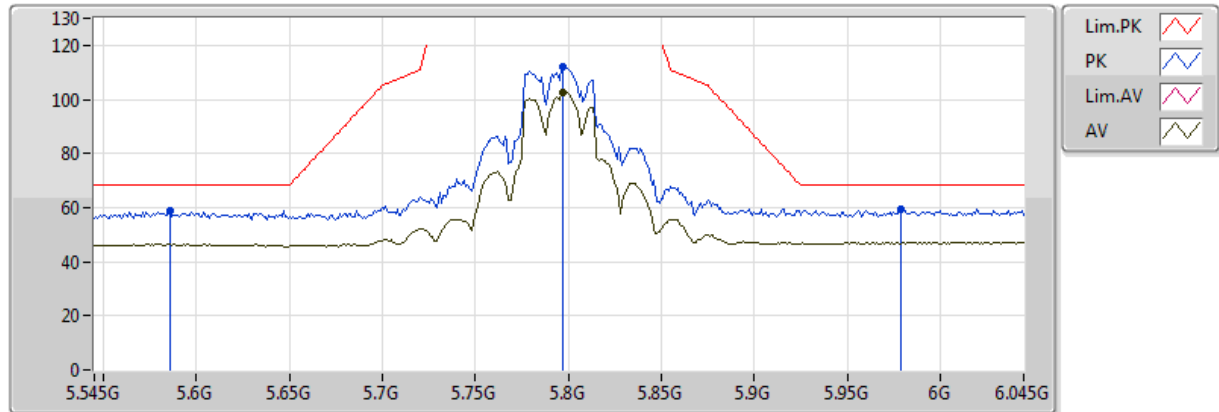


20170929
EUT Y_2TX
Setting 22.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.788G	107.07	Inf	-Inf	5.84	3	Vertical	339	1.72	-				
PK	5.646G	58.86	68.20	-9.34	5.44	3	Vertical	339	1.72	-				
PK	5.79G	116.14	Inf	-Inf	5.84	3	Vertical	339	1.72	-				
PK	5.977G	59.02	68.20	-9.18	6.53	3	Vertical	339	1.72	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

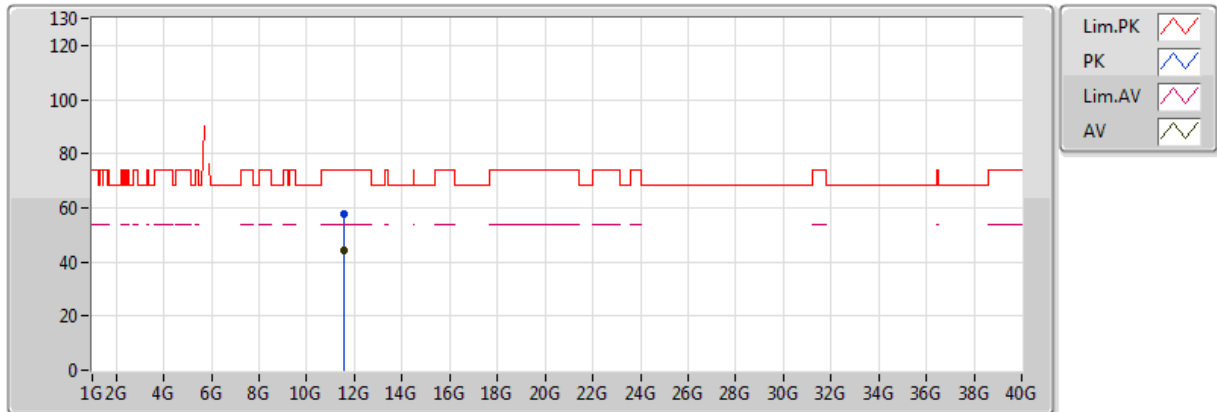


20170929
EUT Y_2TX
Setting 22.5
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.797G	102.69	Inf	-Inf	5.86	3	Horizontal	134	1.85	-				
PK	5.586G	58.92	68.20	-9.28	5.25	3	Horizontal	134	1.85	-				
PK	5.797G	111.80	Inf	-Inf	5.86	3	Horizontal	134	1.85	-				
PK	5.979G	59.58	68.20	-8.62	6.54	3	Horizontal	134	1.85	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

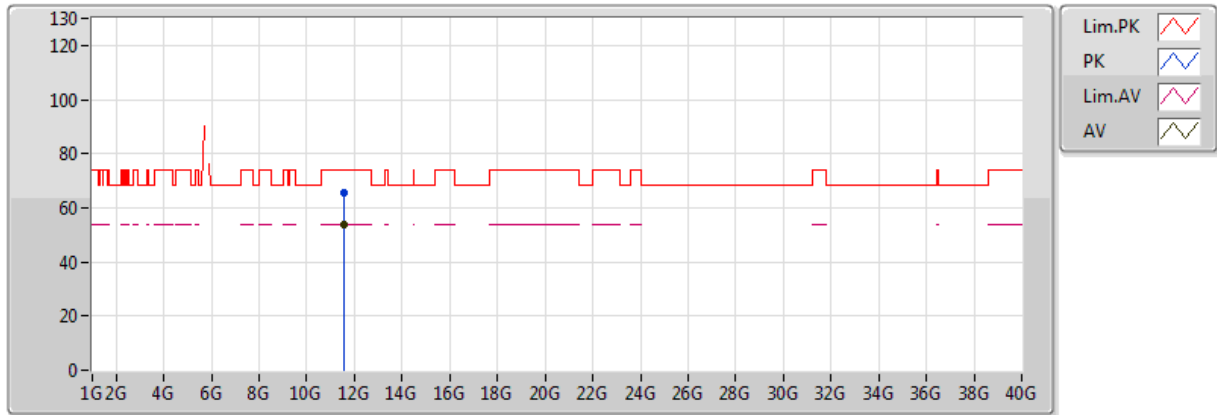


20170929
EUT Y_2TX
Setting 22.5
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	11.58977G	44.42	54.00	-9.58	12.29	3	Vertical	324	1.72	-				
PK	11.58973G	57.61	74.00	-16.39	12.29	3	Vertical	324	1.72	-				

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

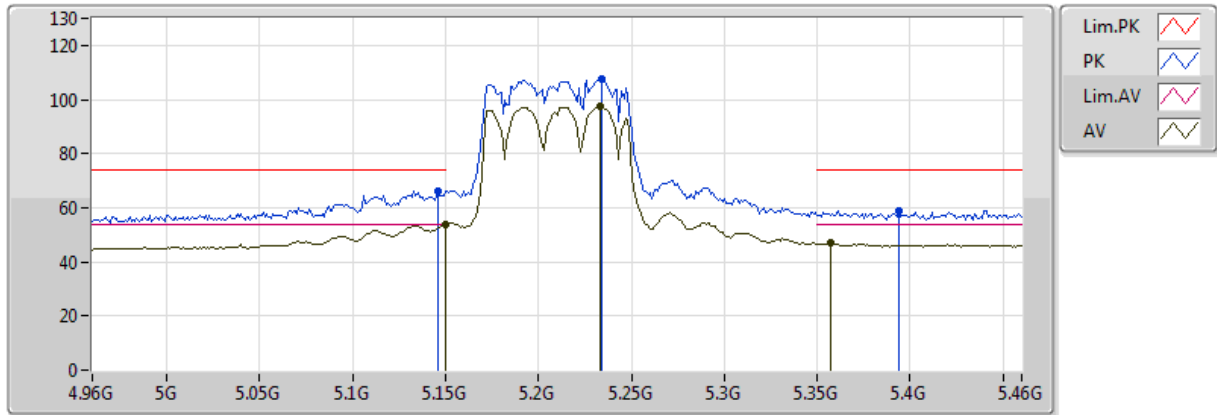


20170929
EUT Y_2TX
Setting 22.5
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	11.59015G	53.97	54.00	-0.03	12.29	3	Horizontal	108	1.62	-				
PK	11.58969G	65.82	74.00	-8.18	12.29	3	Horizontal	108	1.62	-				

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

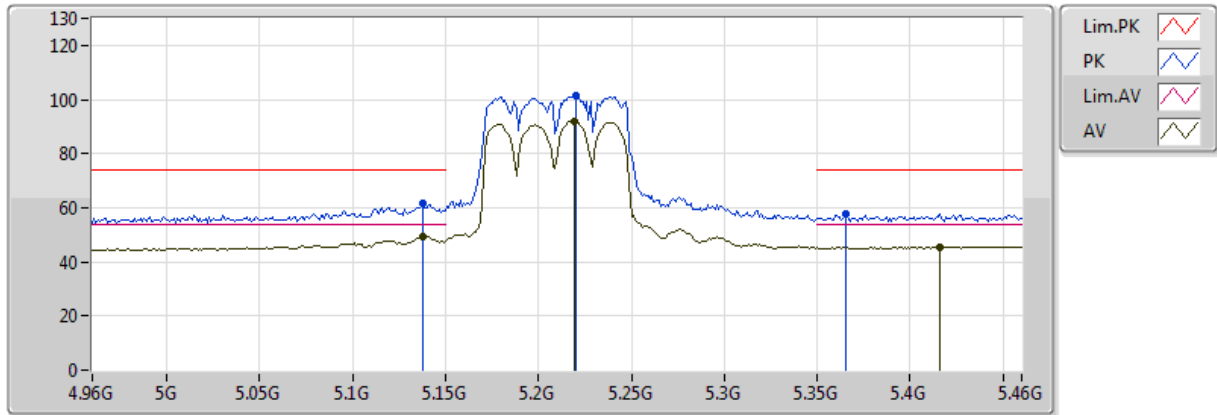


20170929
EUT Y_2TX
Setting 18
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	53.93	54.00	-0.07	4.17	3	Vertical	9	1.94	-				
AV	5.233G	97.71	Inf	-Inf	4.34	3	Vertical	9	1.94	-				
AV	5.357G	46.80	54.00	-7.20	4.53	3	Vertical	9	1.94	-				
PK	5.146G	65.91	74.00	-8.09	4.16	3	Vertical	9	1.94	-				
PK	5.234G	107.56	Inf	-Inf	4.34	3	Vertical	9	1.94	-				
PK	5.394G	58.85	74.00	-15.15	4.58	3	Vertical	9	1.94	-				

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

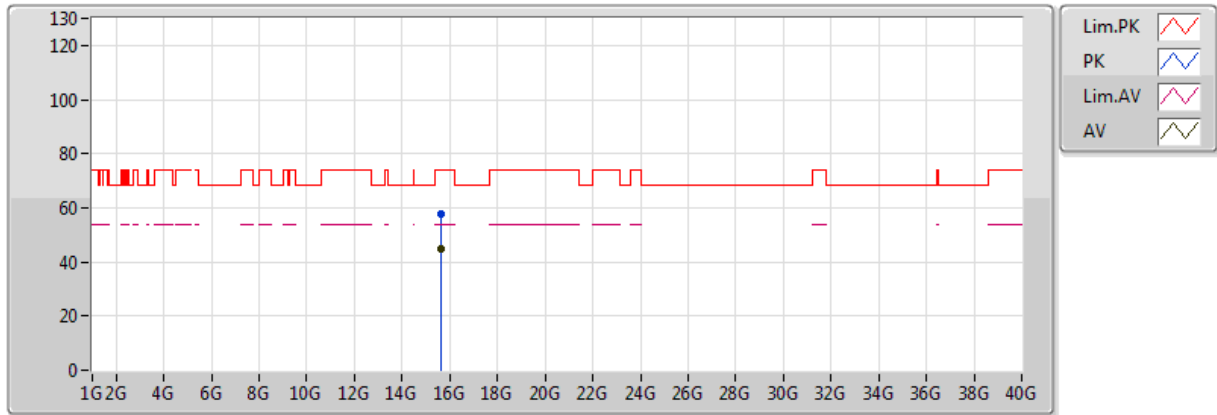


20170929
EUT Y_2TX
Setting 18
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.138G	49.24	54.00	-4.76	4.14	3	Horizontal	178	1.59	-				
AV	5.219G	91.99	Inf	-Inf	4.31	3	Horizontal	178	1.59	-				
AV	5.416G	45.62	54.00	-8.38	4.64	3	Horizontal	178	1.59	-				
PK	5.138G	61.53	74.00	-12.47	4.14	3	Horizontal	178	1.59	-				
PK	5.22G	101.40	Inf	-Inf	4.31	3	Horizontal	178	1.59	-				
PK	5.365G	57.88	74.00	-16.12	4.54	3	Horizontal	178	1.59	-				

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

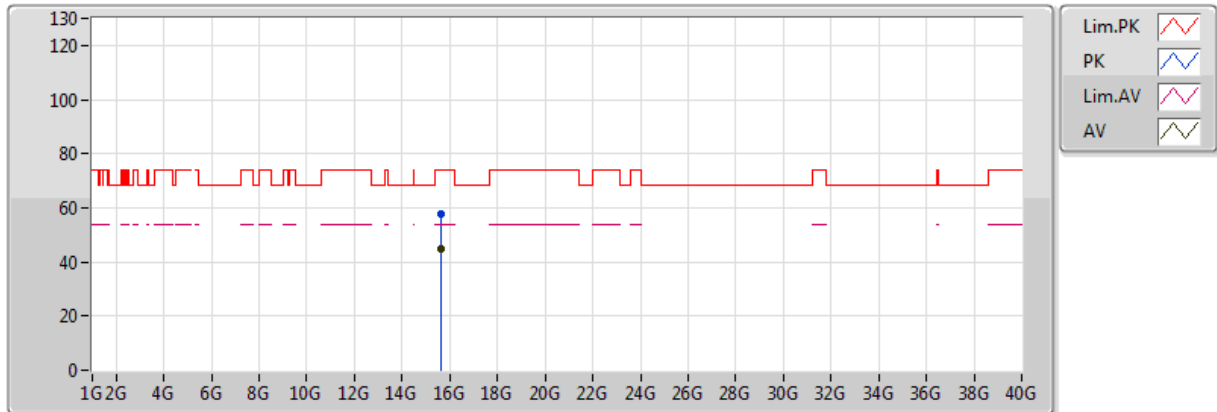


20170929
EUT Y_2TX
Setting 18
01-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.63235G	44.82	54.00	-9.18	13.43	3	Vertical	167	1.00	-				
PK	15.63018G	57.90	74.00	-16.10	13.43	3	Vertical	167	1.00	-				

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

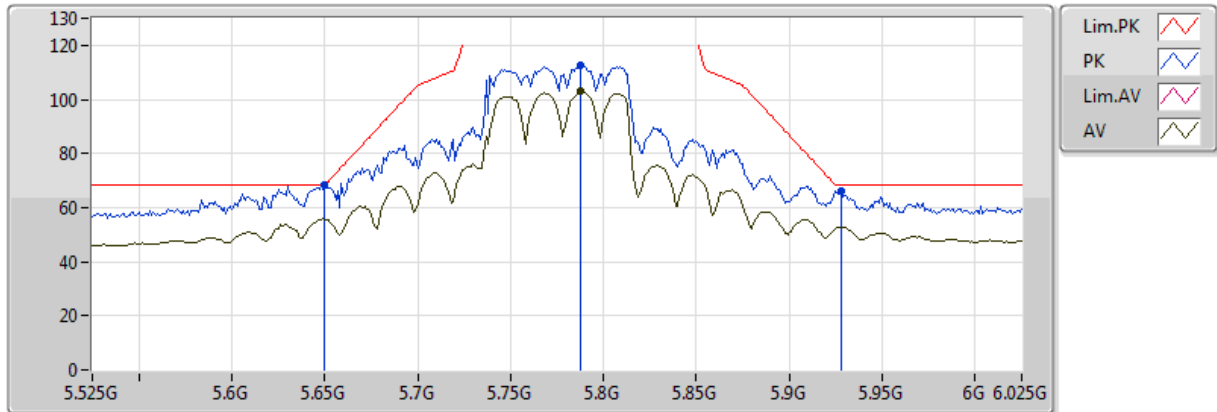


20170929
EUT Y_2TX
Setting 18
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.62982G	44.88	54.00	-9.12	13.43	3	Horizontal	250	1.12	-				
PK	15.62841G	57.96	74.00	-16.04	13.43	3	Horizontal	250	1.12	-				

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

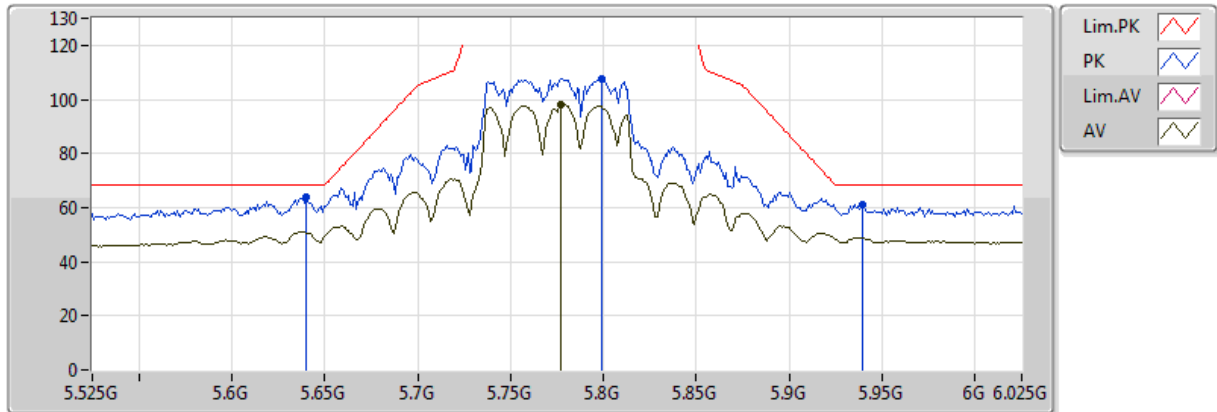


20170929
EUT Y_2TX
Setting 22
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.788G	103.32	Inf	-Inf	5.84	3	Vertical	341	1.76	-
PK	5.65G	68.18	68.20	-0.02	5.45	3	Vertical	341	1.76	-
PK	5.788G	112.79	Inf	-Inf	5.84	3	Vertical	341	1.76	-
PK	5.928G	66.20	68.20	-2.00	6.35	3	Vertical	341	1.76	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

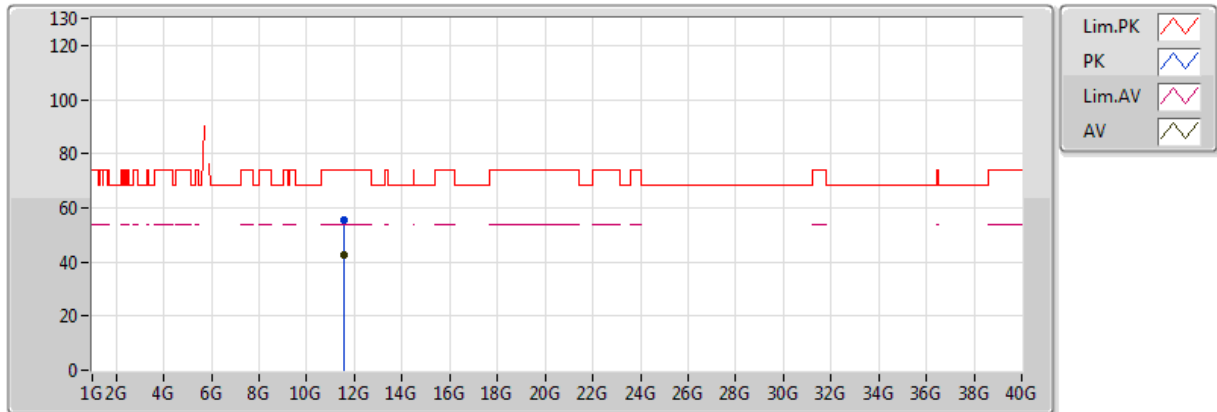


20170929
EUT Y_2TX
Setting 22
01-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.777G	97.96	Inf	-Inf	5.81	3	Horizontal	135	1.81	-				
PK	5.64G	63.66	68.20	-4.54	5.43	3	Horizontal	135	1.81	-				
PK	5.799G	107.85	Inf	-Inf	5.87	3	Horizontal	135	1.81	-				
PK	5.939G	61.06	68.20	-7.14	6.39	3	Horizontal	135	1.81	-				

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

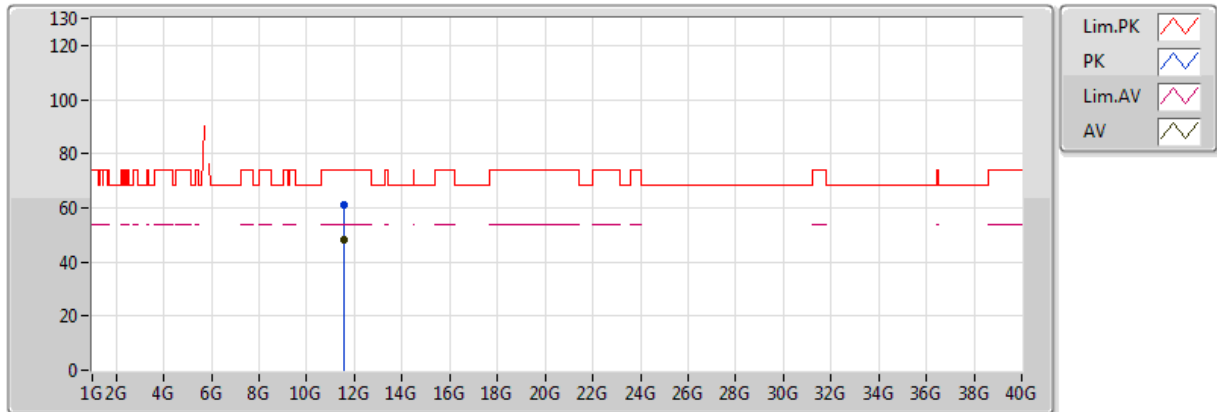


20170929
EUT Y_2TX
Setting 22
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	11.54982G	42.45	54.00	-11.55	12.30	3	Vertical	323	1.65	-				
PK	11.54843G	55.51	74.00	-18.49	12.30	3	Vertical	323	1.65	-				

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

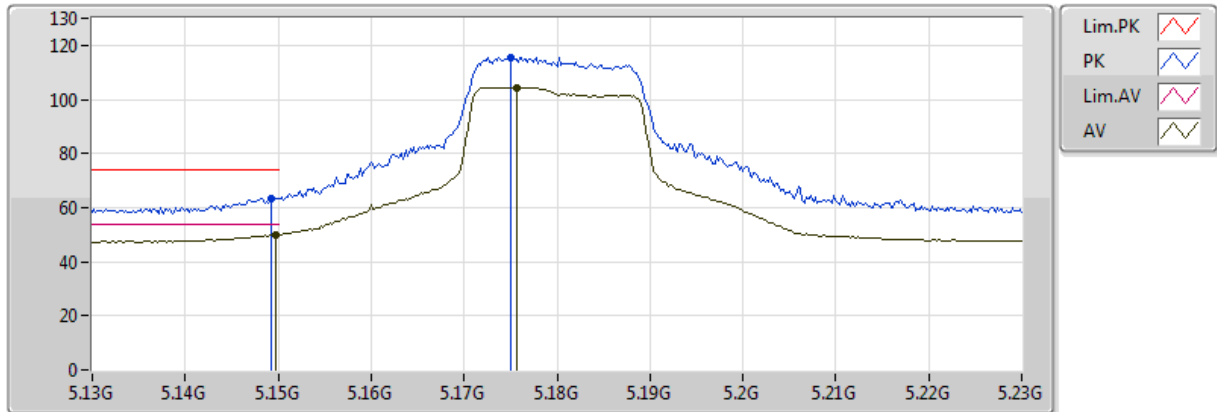


20170929
EUT Y_2TX
Setting 22
01-W-3
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	11.54974G	48.12	54.00	-5.88	12.30	3	Horizontal	105	1.65	-				
PK	11.54864G	61.06	74.00	-12.94	12.30	3	Horizontal	105	1.65	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

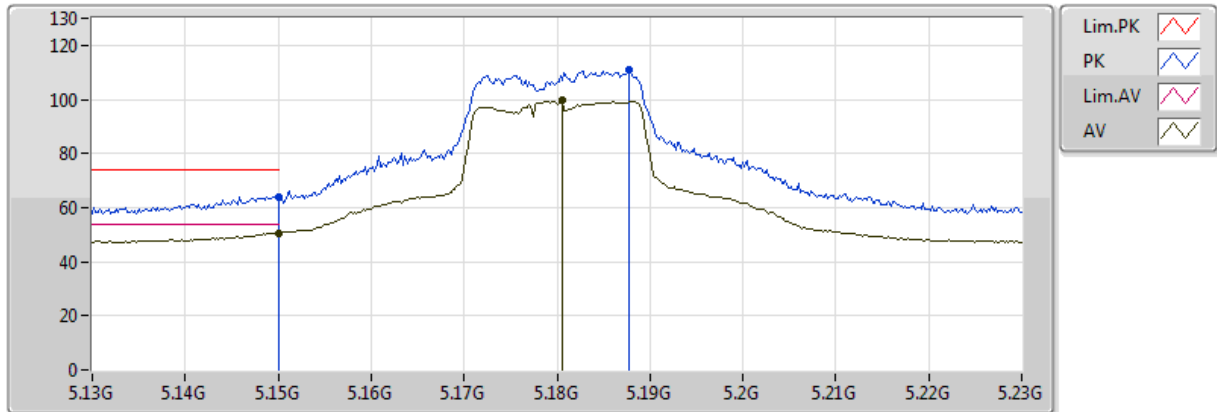


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1498G	50.15	54.00	-3.85	9.76	3	Vertical	232	1.45	-				
AV	5.1756G	104.32	Inf	-Inf	9.82	3	Vertical	232	1.45	-				
PK	5.1492G	63.39	74.00	-10.61	9.76	3	Vertical	232	1.45	-				
PK	5.175G	115.70	Inf	-Inf	9.82	3	Vertical	232	1.45	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

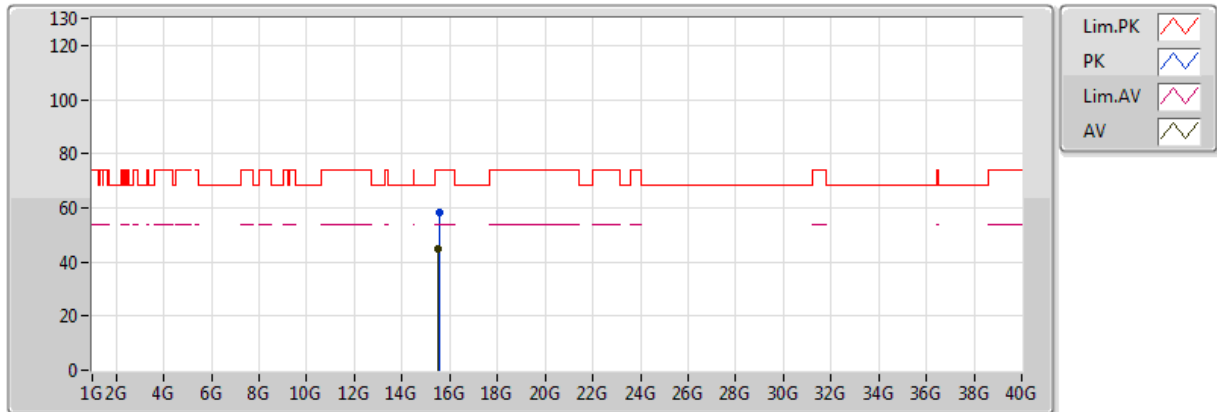


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	50.70	54.00	-3.30	9.76	3	Horizontal	184	1.49	-				
AV	5.1806G	99.57	Inf	-Inf	9.84	3	Horizontal	184	1.49	-				
PK	5.149995G	63.90	74.00	-10.10	9.76	3	Horizontal	184	1.49	-				
PK	5.1878G	110.96	Inf	-Inf	9.85	3	Horizontal	184	1.49	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

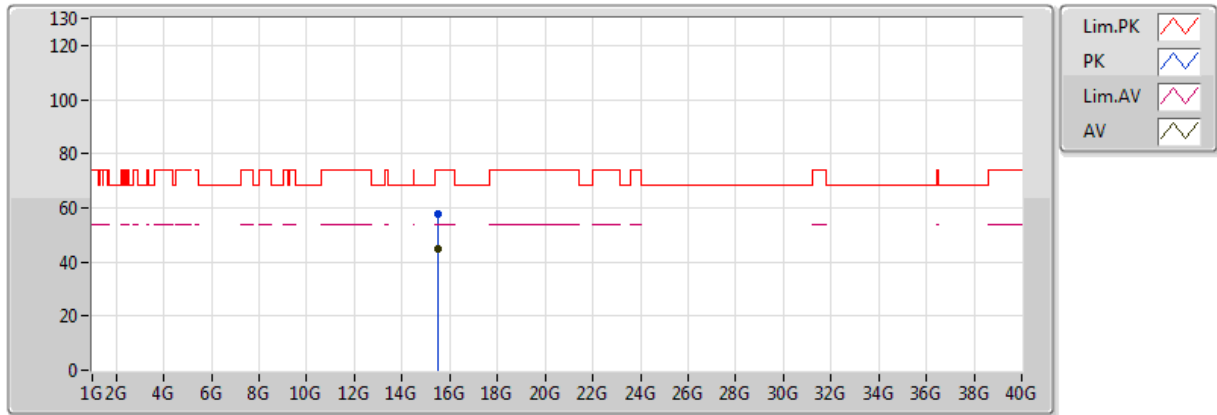


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.53112G	44.64	54.00	-9.36	18.72	3	Vertical	136	2.29	-				
PK	15.54772G	58.44	74.00	-15.56	18.68	3	Vertical	136	2.29	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

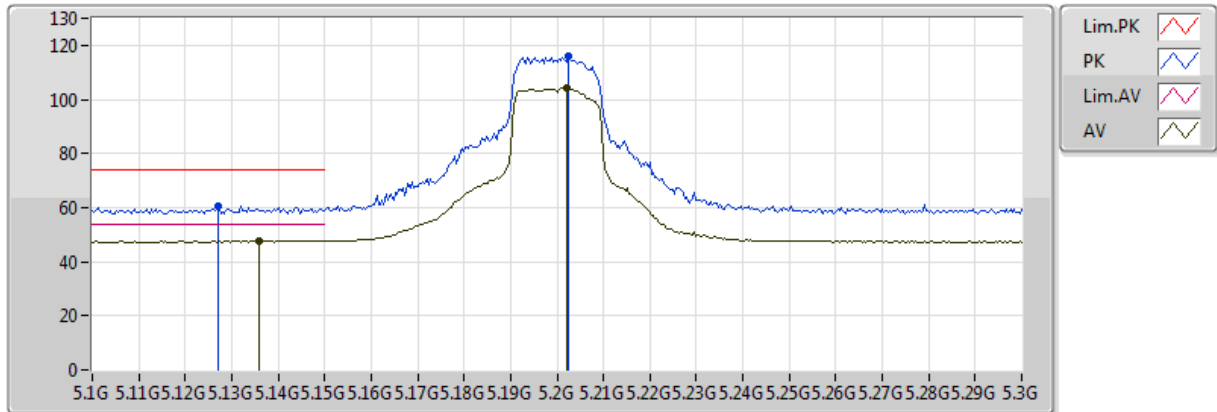


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.5338G	44.64	54.00	-9.36	18.71	3	Horizontal	51	1.90	-				
PK	15.53588G	57.93	74.00	-16.07	18.71	3	Horizontal	51	1.90	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

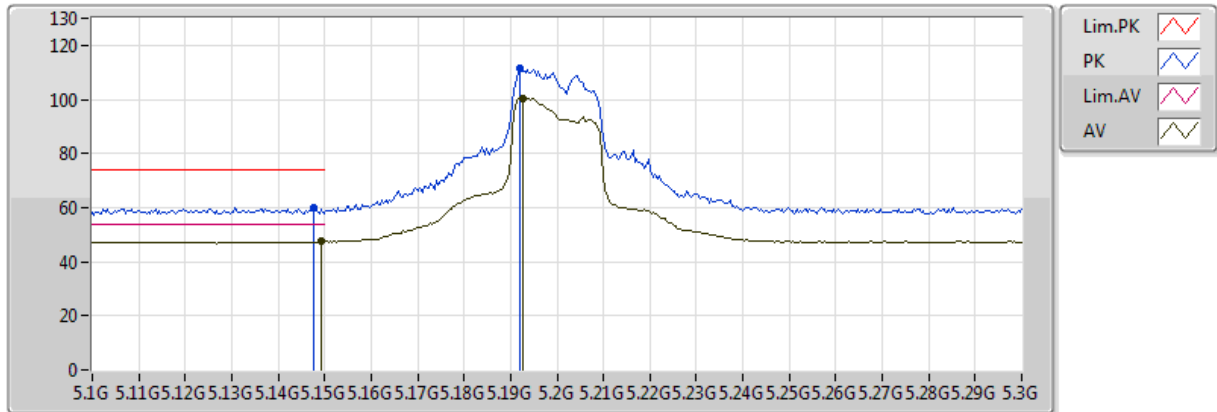


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.136G	47.84	54.00	-6.16	9.73	3	Vertical	268	1.83	-				
AV	5.202G	104.47	Inf	-Inf	9.88	3	Vertical	268	1.83	-				
PK	5.1272G	60.34	74.00	-13.66	9.71	3	Vertical	268	1.83	-				
PK	5.2024G	115.88	Inf	-Inf	9.88	3	Vertical	268	1.83	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

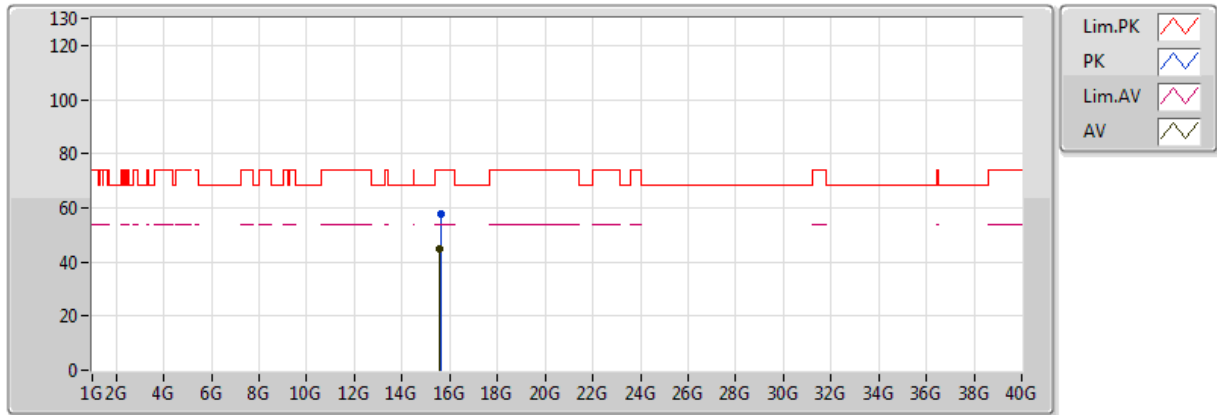


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1492G	47.40	54.00	-6.60	9.76	3	Horizontal	216	1.50	-				
AV	5.1928G	100.30	Inf	-Inf	9.86	3	Horizontal	216	1.50	-				
PK	5.1476G	59.96	74.00	-14.04	9.76	3	Horizontal	216	1.50	-				
PK	5.192G	111.52	Inf	-Inf	9.86	3	Horizontal	216	1.50	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

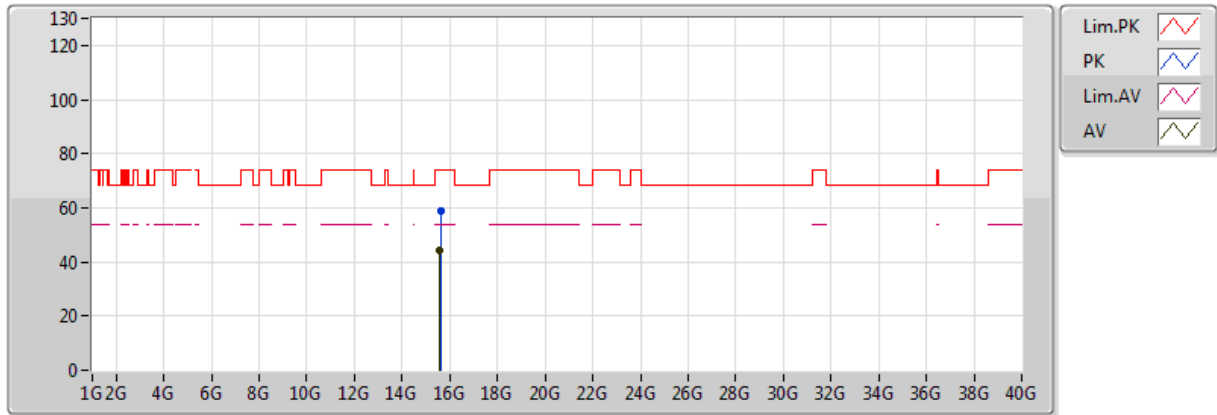


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.59924G	44.60	54.00	-9.40	18.57	3	Vertical	231	1.83	-				
PK	15.60928G	57.88	74.00	-16.12	18.55	3	Vertical	231	1.83	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

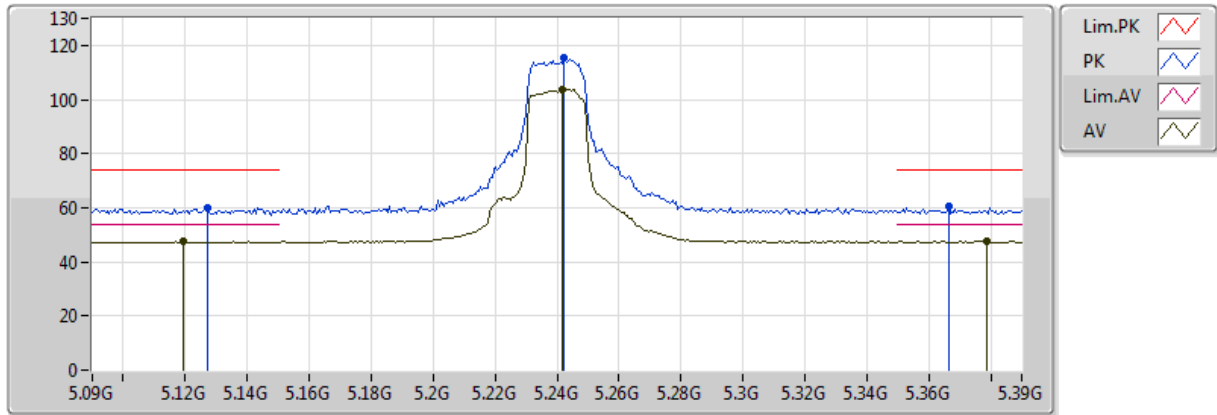


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.59924G	44.52	54.00	-9.48	18.57	3	Horizontal	114	1.04	-				
PK	15.60164G	58.71	74.00	-15.29	18.57	3	Horizontal	114	1.04	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

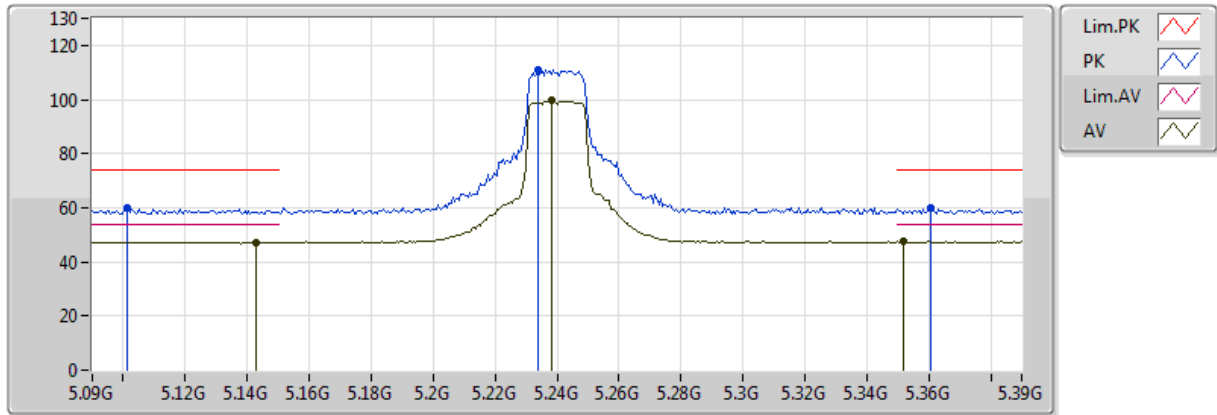


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1194G	47.51	54.00	-6.49	9.69	3	Vertical	251	1.54	-				
AV	5.2418G	103.52	Inf	-Inf	9.94	3	Vertical	251	1.54	-				
AV	5.3786G	47.53	54.00	-6.47	10.12	3	Vertical	251	1.54	-				
PK	5.1272G	59.77	74.00	-14.23	9.71	3	Vertical	251	1.54	-				
PK	5.2424G	115.53	Inf	-Inf	9.94	3	Vertical	251	1.54	-				
PK	5.3666G	60.24	74.00	-13.76	10.11	3	Vertical	251	1.54	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

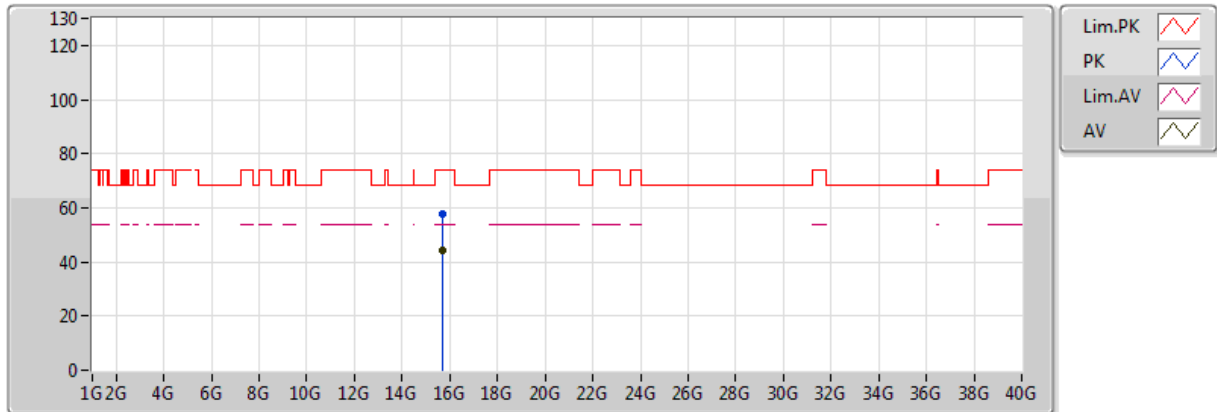


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1428G	47.32	54.00	-6.68	9.75	3	Horizontal	223	1.08	-				
AV	5.2382G	99.56	Inf	-Inf	9.93	3	Horizontal	223	1.08	-				
AV	5.3516G	47.58	54.00	-6.42	10.09	3	Horizontal	223	1.08	-				
PK	5.1014G	59.71	74.00	-14.29	9.65	3	Horizontal	223	1.08	-				
PK	5.234G	111.17	Inf	-Inf	9.93	3	Horizontal	223	1.08	-				
PK	5.3606G	59.91	74.00	-14.09	10.10	3	Horizontal	223	1.08	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

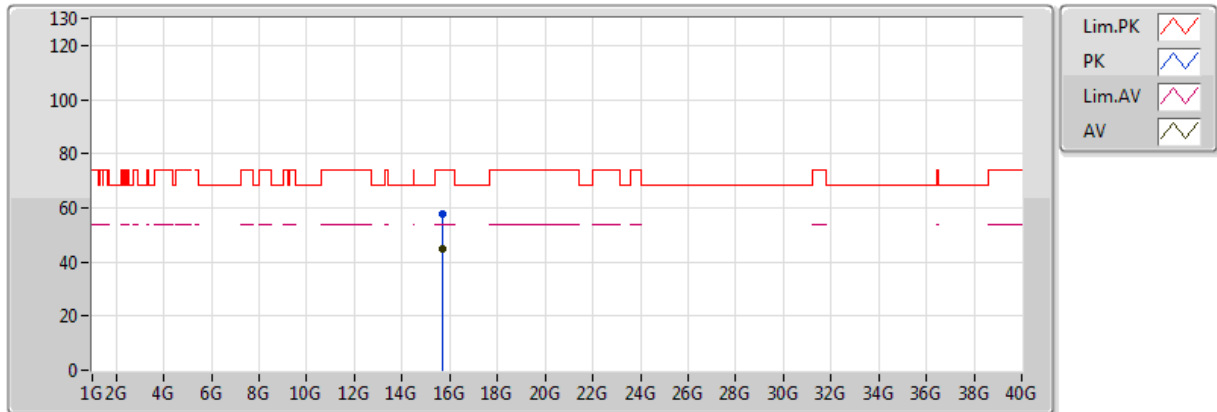


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.72036G	44.37	54.00	-9.63	18.31	3	Vertical	231	1.21	-				
PK	15.72444G	57.50	74.00	-16.50	18.30	3	Vertical	231	1.21	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

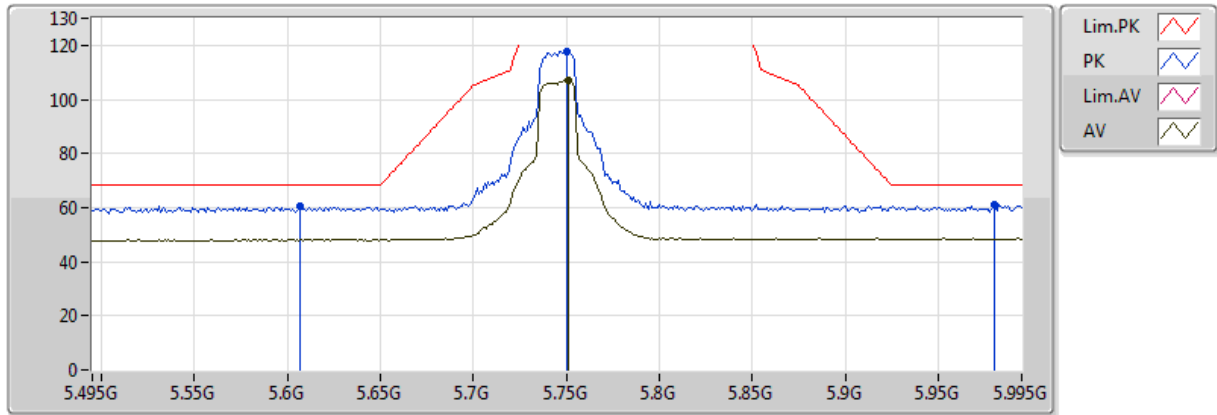


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.713G	44.57	54.00	-9.43	18.33	3	Horizontal	210	1.23	-				
PK	15.71096G	57.87	74.00	-16.13	18.33	3	Horizontal	210	1.23	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

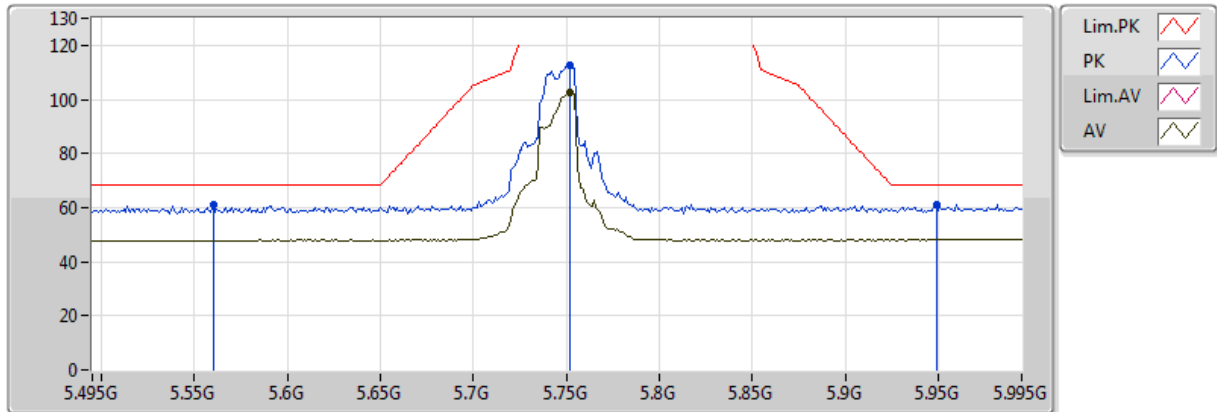


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.751G	106.92	Inf	-Inf	10.65	3	Vertical	330	1.52	-				
PK	5.607G	60.53	68.20	-7.67	10.65	3	Vertical	330	1.52	-				
PK	5.75G	117.90	Inf	-Inf	10.65	3	Vertical	330	1.52	-				
PK	5.98G	60.98	68.20	-7.22	10.88	3	Vertical	330	1.52	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

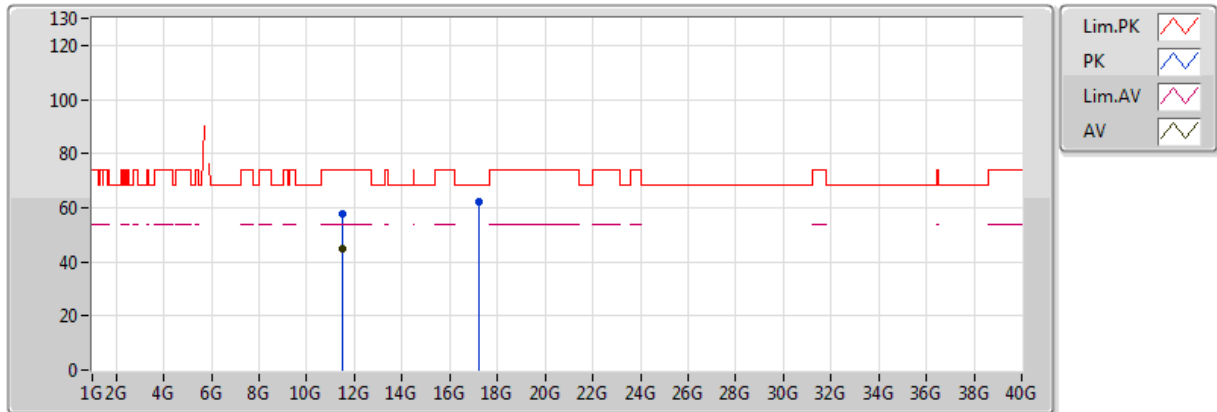


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.752G	102.30	Inf	-Inf	10.65	3	Horizontal	147	2.03	-				
PK	5.56G	61.16	68.20	-7.04	10.59	3	Horizontal	147	2.03	-				
PK	5.752G	112.85	Inf	-Inf	10.65	3	Horizontal	147	2.03	-				
PK	5.949G	61.29	68.20	-6.91	10.84	3	Horizontal	147	2.03	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

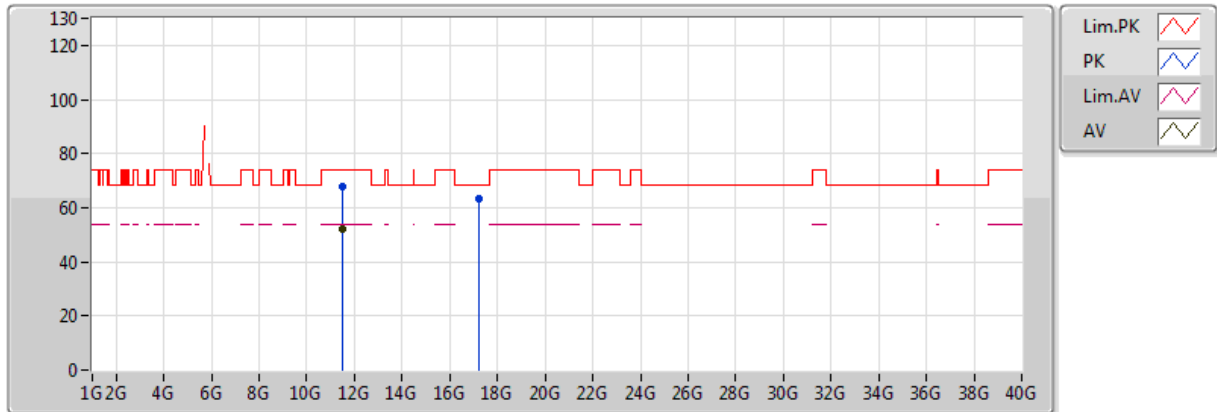


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.49072G	45.09	54.00	-8.91	16.60	3	Vertical	316	1.56	-				
PK	11.49936G	57.86	74.00	-16.14	16.61	3	Vertical	316	1.56	-				
PK	17.2379G	62.26	68.20	-5.94	23.09	3	Vertical	18	2.02	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

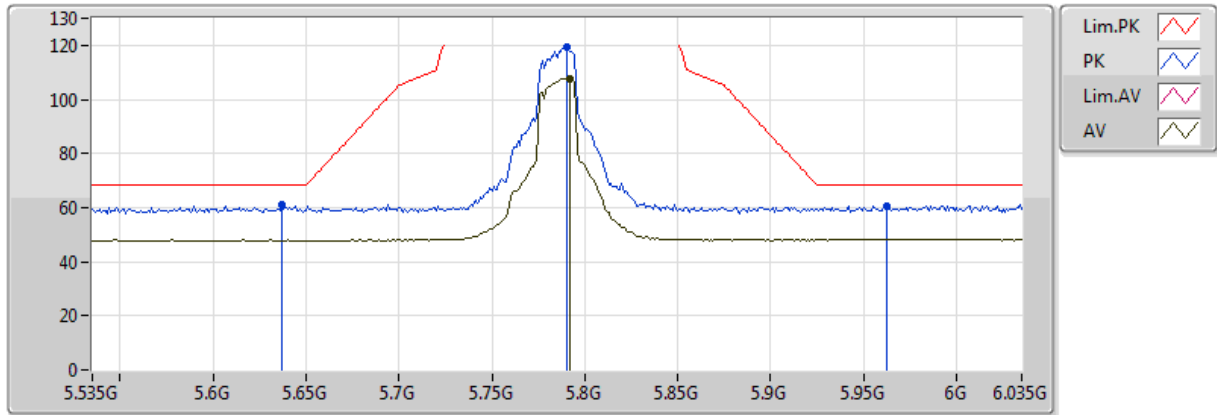


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.49156G	52.23	54.00	-1.77	16.60	3	Horizontal	118	1.51	-				
PK	11.48958G	67.72	74.00	-6.28	16.60	3	Horizontal	118	1.51	-				
PK	17.2338G	63.57	68.20	-4.63	23.07	3	Horizontal	358	1.45	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

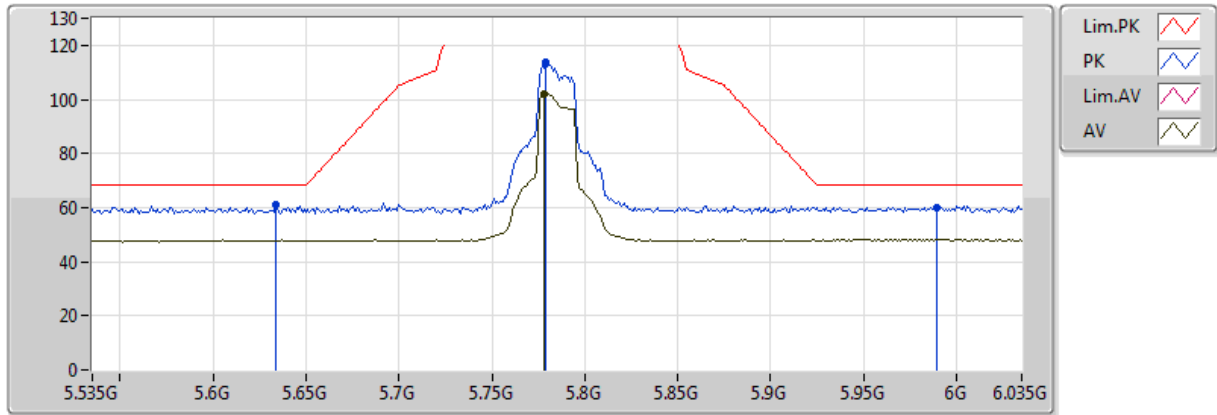


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.792G	107.68	Inf	-Inf	10.65	3	Vertical	16	1.50	-				
PK	5.637G	60.83	68.20	-7.37	10.65	3	Vertical	16	1.50	-				
PK	5.79G	119.15	Inf	-Inf	10.65	3	Vertical	16	1.50	-				
PK	5.962G	60.60	68.20	-7.60	10.86	3	Vertical	16	1.50	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

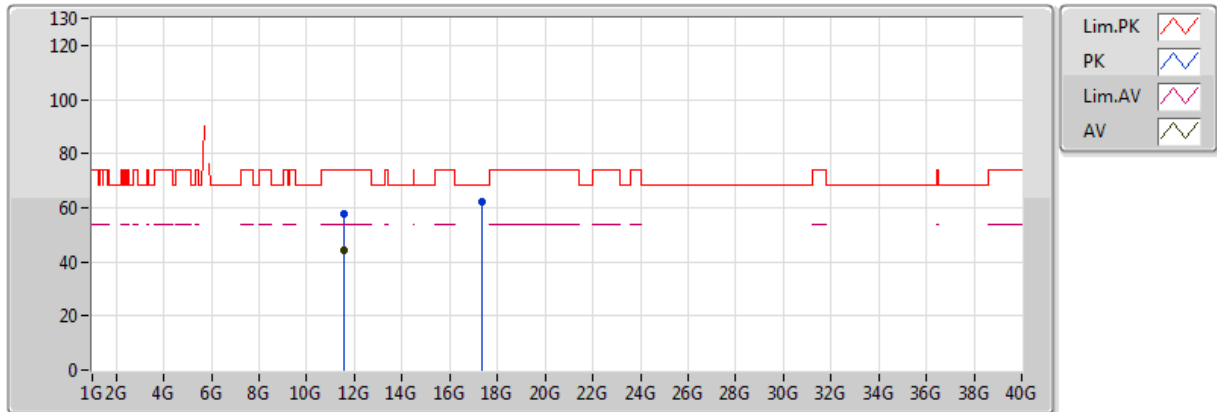


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.778G	101.88	Inf	-Inf	10.65	3	Horizontal	133	2.65	-				
PK	5.634G	61.03	68.20	-7.17	10.65	3	Horizontal	133	2.65	-				
PK	5.779G	113.80	Inf	-Inf	10.65	3	Horizontal	133	2.65	-				
PK	5.989G	60.22	68.20	-7.98	10.90	3	Horizontal	133	2.65	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

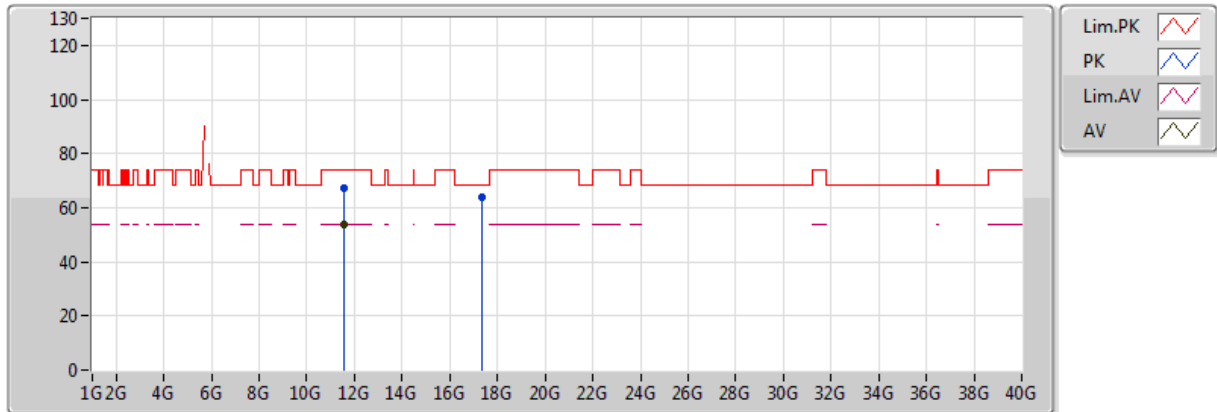


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.57102G	44.27	54.00	-9.73	16.70	3	Vertical	94	1.54	-				
PK	11.5739G	57.65	74.00	-16.35	16.71	3	Vertical	94	1.54	-				
PK	17.35902G	62.34	68.20	-5.86	23.81	3	Vertical	314	2.23	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

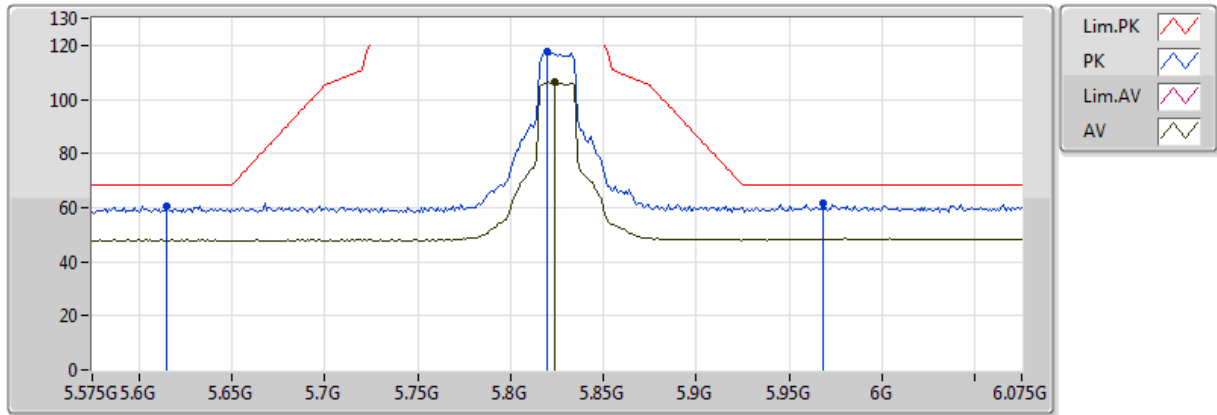


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.56964G	53.78	54.00	-0.22	16.70	3	Horizontal	108	1.40	-				
PK	11.5706G	67.37	74.00	-6.63	16.70	3	Horizontal	108	1.40	-				
PK	17.3418G	64.13	68.20	-4.07	23.71	3	Horizontal	341	2.77	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

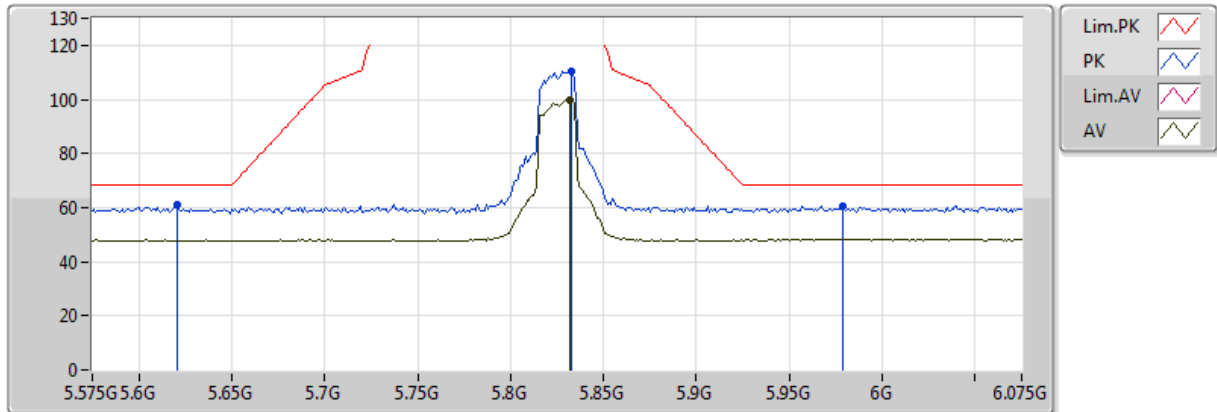


20171007
EUT Y_2TX
Setting 24
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.824G	106.30	Inf	-Inf	10.68	3	Vertical	321	1.89	-				
PK	5.615G	60.49	68.20	-7.71	10.65	3	Vertical	321	1.89	-				
PK	5.82G	117.90	Inf	-Inf	10.68	3	Vertical	321	1.89	-				
PK	5.968G	61.48	68.20	-6.72	10.87	3	Vertical	321	1.89	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

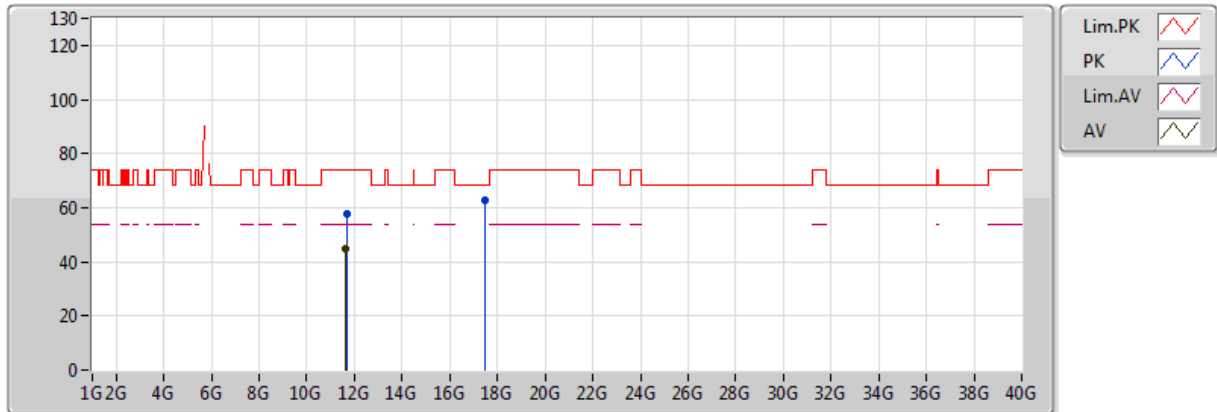


20171007
EUT Y_2TX
Setting 24
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.832G	99.91	Inf	-Inf	10.69	3	Horizontal	266	1.48	-				
PK	5.621G	61.04	68.20	-7.16	10.65	3	Horizontal	266	1.48	-				
PK	5.833G	110.52	Inf	-Inf	10.69	3	Horizontal	266	1.48	-				
PK	5.979G	60.62	68.20	-7.58	10.88	3	Horizontal	266	1.48	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

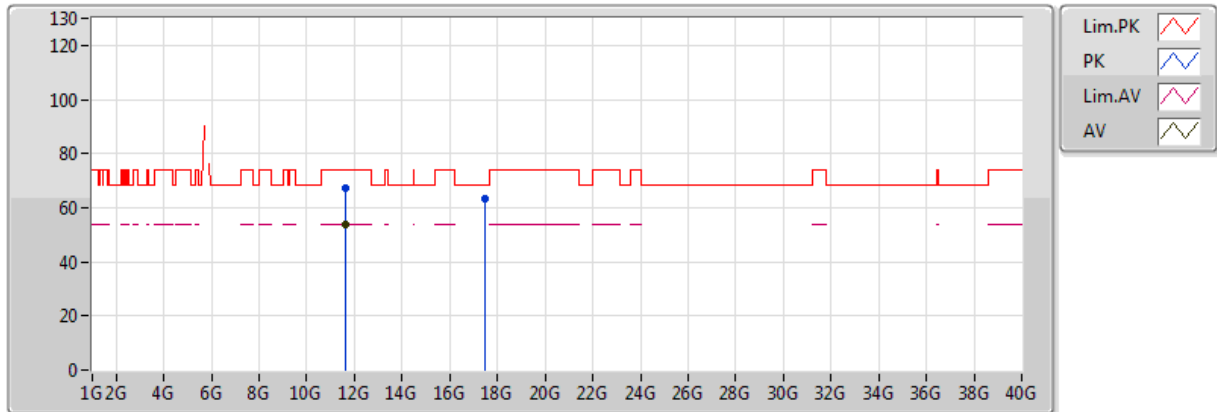


20171007
EUT Y_2TX
Setting 24
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.64814G	44.66	54.00	-9.34	16.80	3	Vertical	207	1.45	-				
PK	11.66044G	57.97	74.00	-16.03	16.82	3	Vertical	207	1.45	-				
PK	17.4765G	62.87	68.20	-5.33	24.50	3	Vertical	72	2.45	-				

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

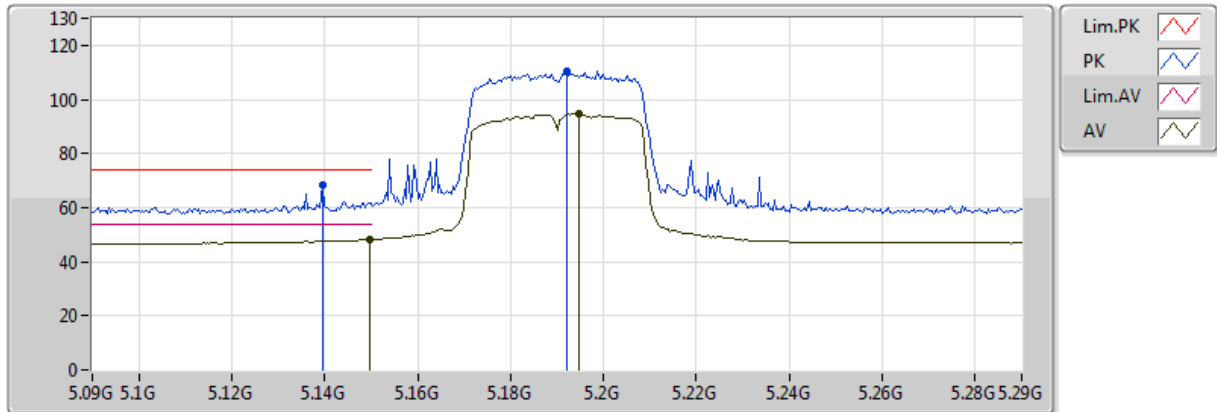


20171007
EUT Y_2TX
Setting 24
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.64766G	53.61	54.00	-0.39	16.80	3	Horizontal	111	1.46	-				
PK	11.64622G	67.31	74.00	-6.69	16.80	3	Horizontal	111	1.46	-				
PK	17.48388G	63.16	68.20	-5.04	24.54	3	Horizontal	89	1.70	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

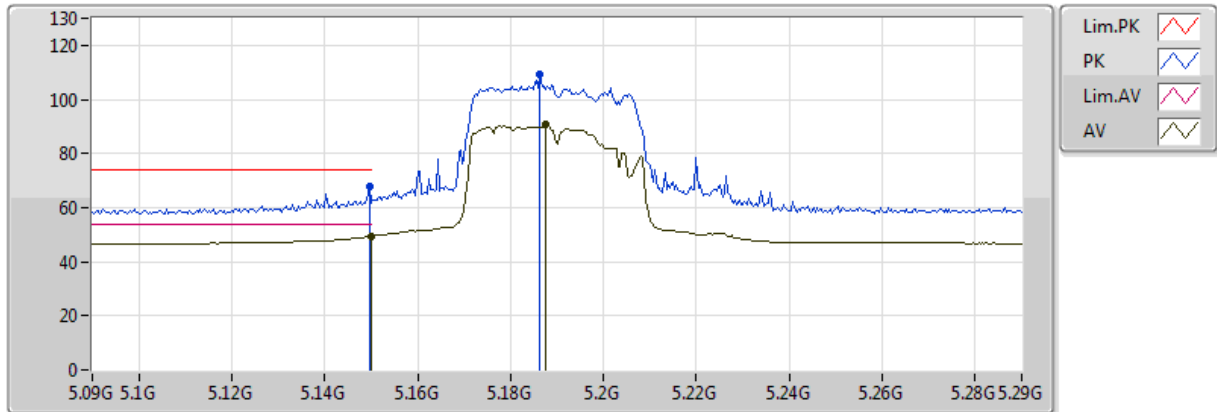


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.1496G	48.29	54.00	-5.71	9.76	3	Vertical	243	1.05	-				
AV	5.1948G	94.63	Inf	-Inf	9.87	3	Vertical	243	1.05	-				
PK	5.1396G	68.50	74.00	-5.50	9.74	3	Vertical	243	1.05	-				
PK	5.192G	110.22	Inf	-Inf	9.86	3	Vertical	243	1.05	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

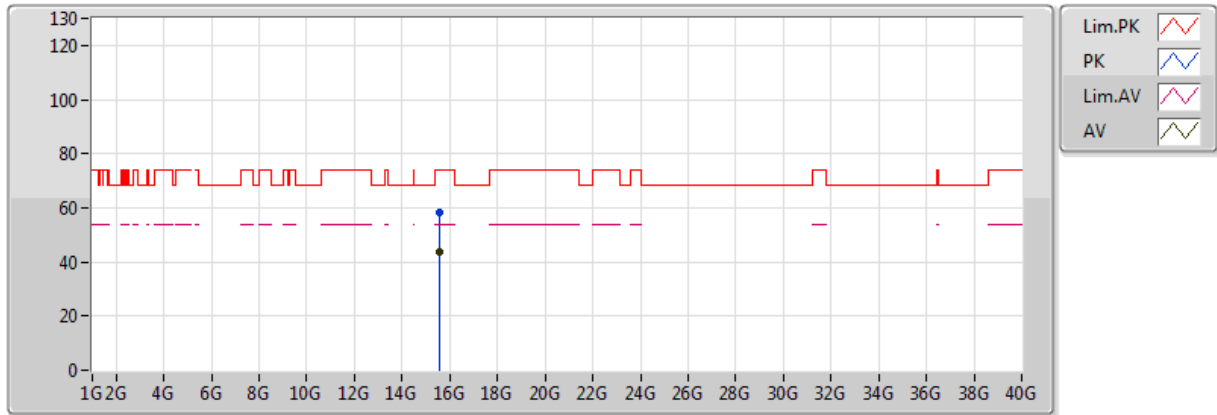


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	49.51	54.00	-4.49	9.76	3	Horizontal	192	1.50	-				
AV	5.1876G	90.61	Inf	-Inf	9.85	3	Horizontal	192	1.50	-				
PK	5.1496G	67.99	74.00	-6.01	9.76	3	Horizontal	192	1.50	-				
PK	5.1864G	109.03	Inf	-Inf	9.85	3	Horizontal	192	1.50	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

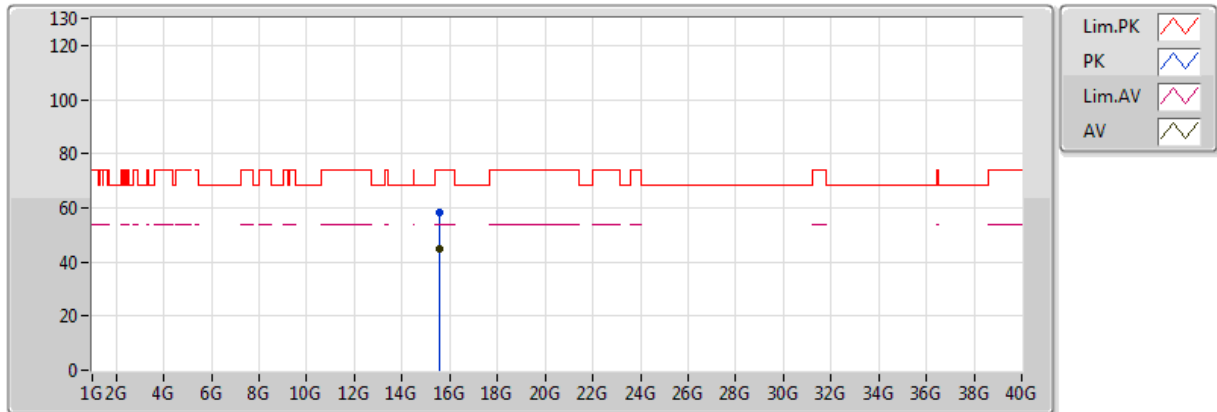


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.5624G	43.69	54.00	-10.31	18.65	3	Vertical	43	2.41	-				
PK	15.57024G	58.43	74.00	-15.57	18.63	3	Vertical	43	2.41	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

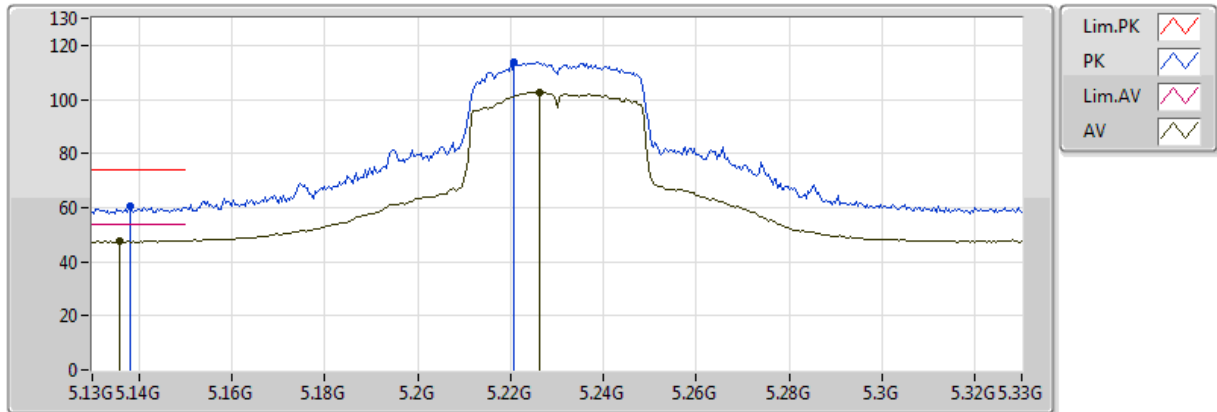


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.56024G	44.74	54.00	-9.26	18.66	3	Horizontal	306	1.42	-				
PK	15.57352G	58.07	74.00	-15.93	18.63	3	Horizontal	306	1.42	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

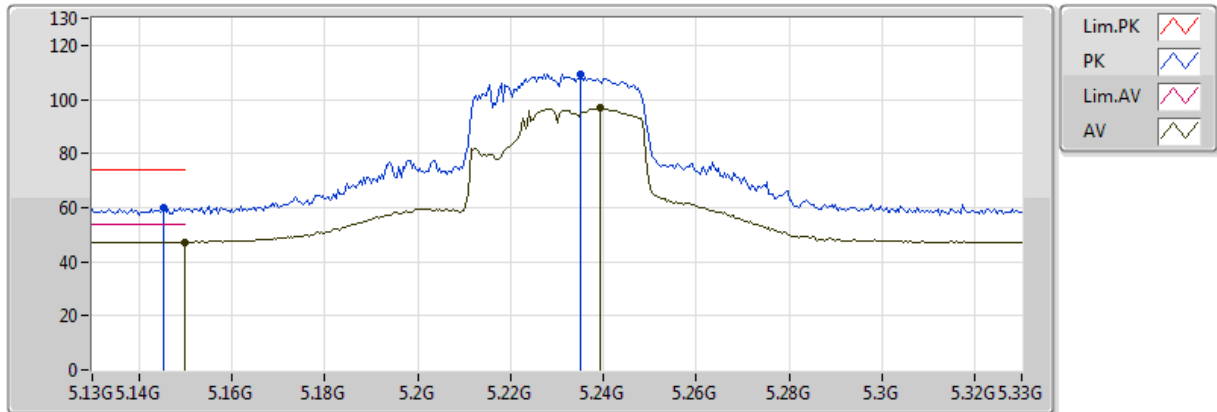


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.136G	47.85	54.00	-6.15	9.73	3	Vertical	267	1.49	-				
AV	5.2264G	102.76	Inf	-Inf	9.92	3	Vertical	267	1.49	-				
PK	5.138G	60.29	74.00	-13.71	9.74	3	Vertical	267	1.49	-				
PK	5.2208G	113.79	Inf	-Inf	9.91	3	Vertical	267	1.49	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

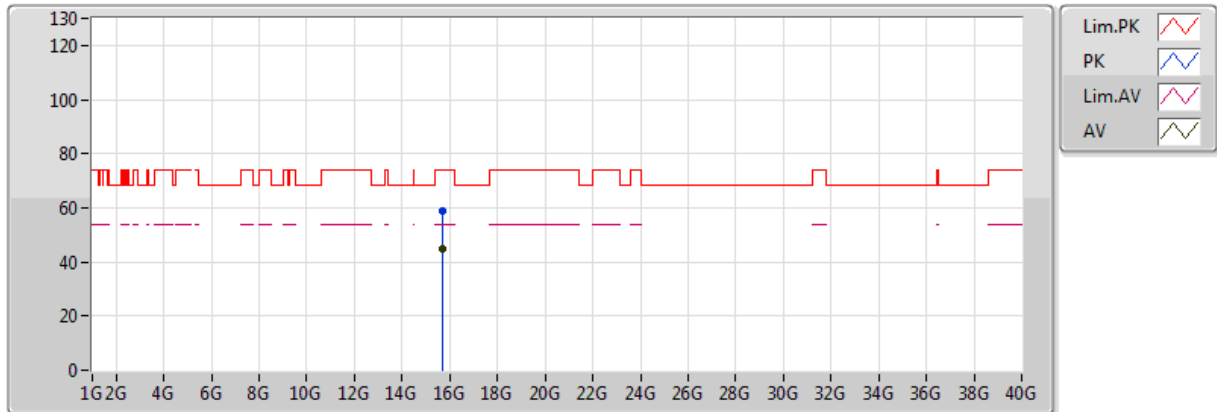


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	47.31	54.00	-6.69	9.76	3	Horizontal	221	1.50	-				
AV	5.2392G	96.85	Inf	-Inf	9.93	3	Horizontal	221	1.50	-				
PK	5.1452G	59.97	74.00	-14.03	9.75	3	Horizontal	221	1.50	-				
PK	5.2352G	109.42	Inf	-Inf	9.93	3	Horizontal	221	1.50	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

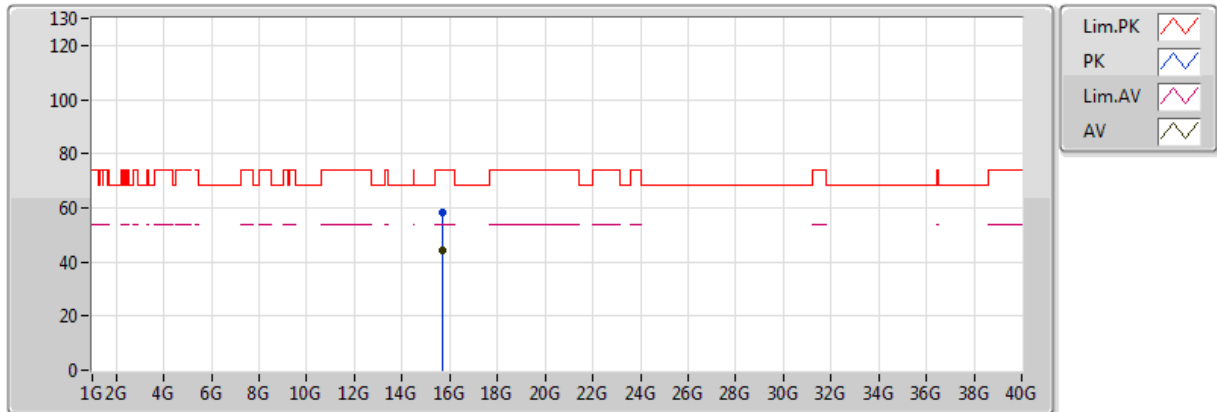


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.6936G	44.66	54.00	-9.34	18.37	3	Vertical	14	1.64	-				
PK	15.68696G	58.77	74.00	-15.23	18.38	3	Vertical	14	1.64	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

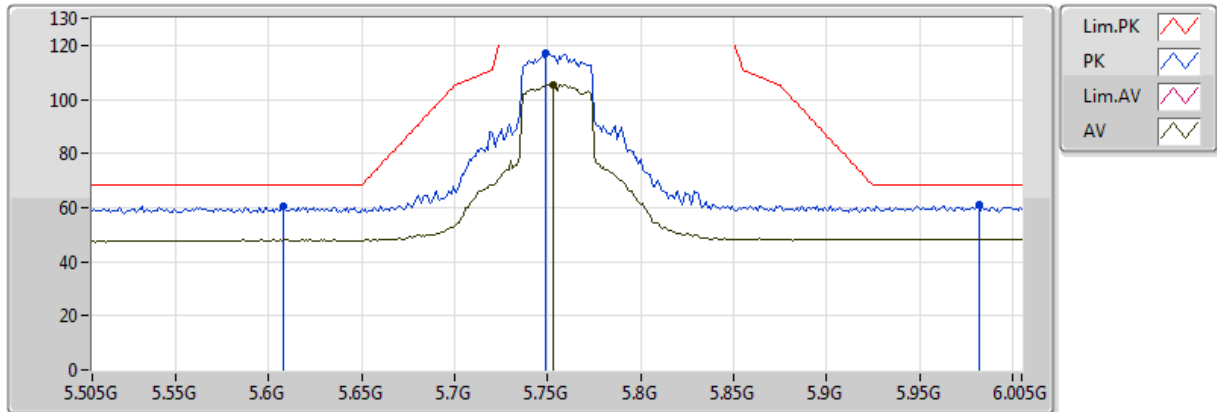


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.69716G	44.45	54.00	-9.55	18.36	3	Horizontal	109	1.74	-				
PK	15.69476G	58.28	74.00	-15.72	18.37	3	Horizontal	109	1.74	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

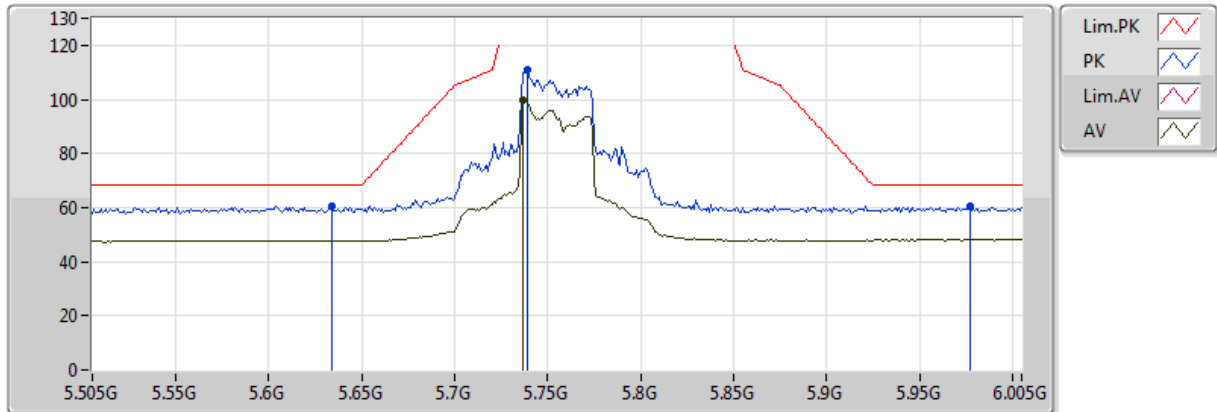


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.753G	105.56	Inf	-Inf	10.65	3	Vertical	339	2.49	-				
PK	5.608G	60.40	68.20	-7.80	10.65	3	Vertical	339	2.49	-				
PK	5.749G	117.03	Inf	-Inf	10.65	3	Vertical	339	2.49	-				
PK	5.982G	60.92	68.20	-7.28	10.89	3	Vertical	339	2.49	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

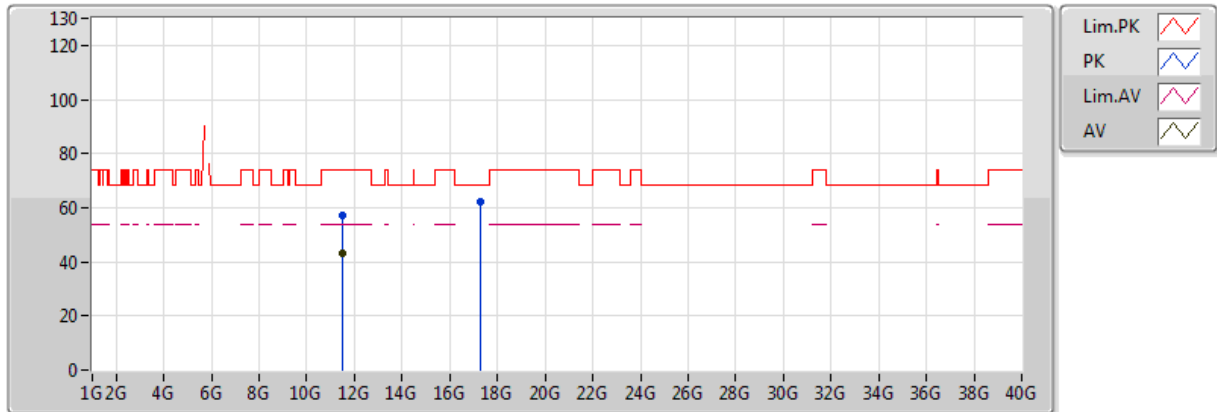


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.737G	99.89	Inf	-Inf	10.65	3	Horizontal	190	1.55	-				
PK	5.634G	60.40	68.20	-7.80	10.65	3	Horizontal	190	1.55	-				
PK	5.739G	110.71	Inf	-Inf	10.65	3	Horizontal	190	1.55	-				
PK	5.977G	60.65	68.20	-7.55	10.88	3	Horizontal	190	1.55	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

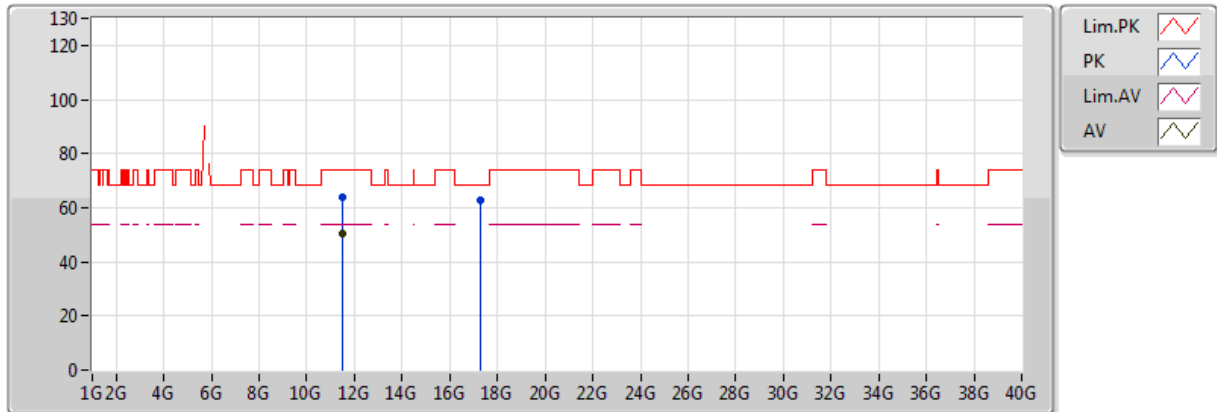


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.51204G	43.38	54.00	-10.62	16.63	3	Vertical	297	2.29	-				
PK	11.5043G	56.89	74.00	-17.11	16.62	3	Vertical	297	2.29	-				
PK	17.26864G	62.37	68.20	-5.83	23.27	3	Vertical	89	1.41	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

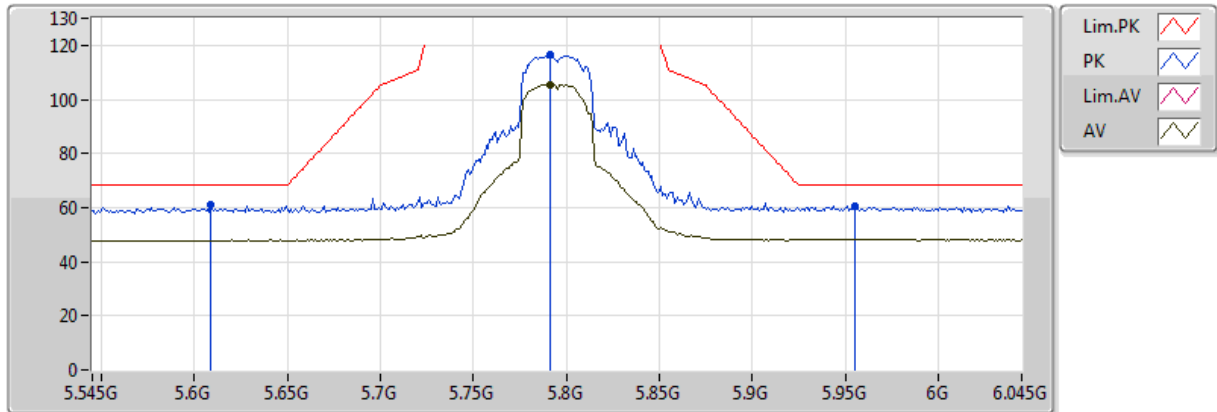


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.51288G	50.68	54.00	-3.32	16.63	3	Horizontal	94	1.52	-				
PK	11.5062G	64.05	74.00	-9.95	16.62	3	Horizontal	94	1.52	-				
PK	17.27286G	62.99	68.20	-5.21	23.30	3	Horizontal	318	2.07	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

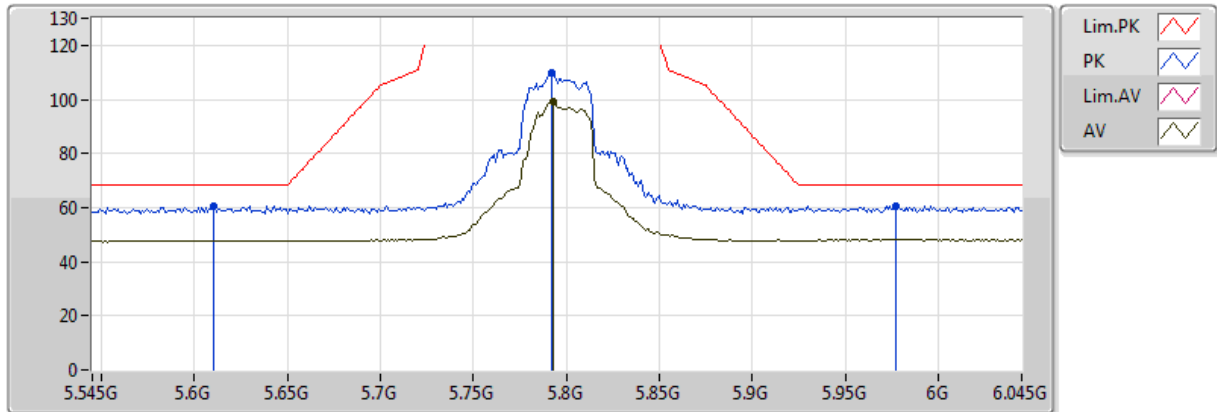


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.791G	105.53	Inf	-Inf	10.65	3	Vertical	350	2.77	-				
PK	5.609G	61.06	68.20	-7.14	10.65	3	Vertical	350	2.77	-				
PK	5.791G	116.57	Inf	-Inf	10.65	3	Vertical	350	2.77	-				
PK	5.955G	60.68	68.20	-7.52	10.85	3	Vertical	350	2.77	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

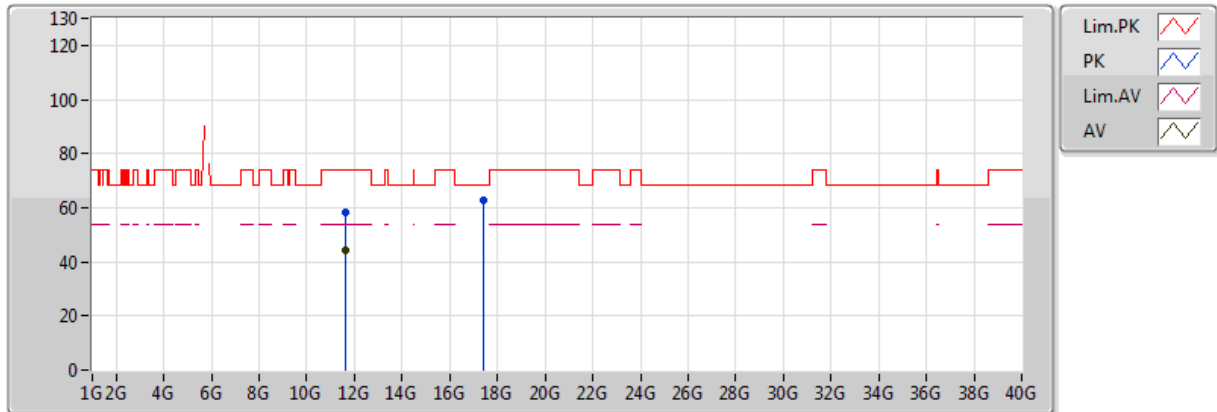


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.793G	99.13	Inf	-Inf	10.65	3	Horizontal	183	1.48	-				
PK	5.61G	60.58	68.20	-7.62	10.65	3	Horizontal	183	1.48	-				
PK	5.792G	109.60	Inf	-Inf	10.65	3	Horizontal	183	1.48	-				
PK	5.977G	60.65	68.20	-7.55	10.88	3	Horizontal	183	1.48	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

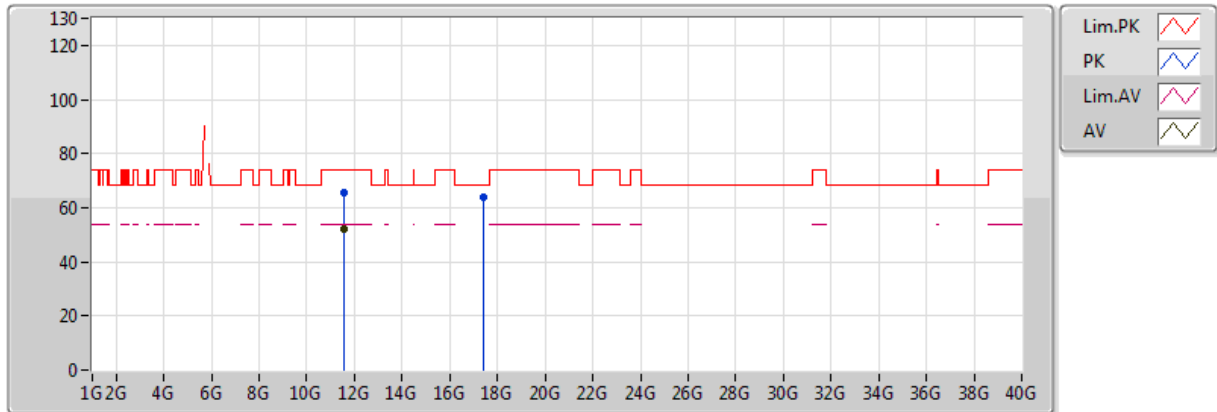


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.6024G	44.41	54.00	-9.59	16.74	3	Vertical	167	1.57	-				
PK	11.6073G	58.17	74.00	-15.83	16.75	3	Vertical	167	1.57	-				
PK	17.3879G	62.99	68.20	-5.21	23.98	3	Vertical	314	2.44	-				

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

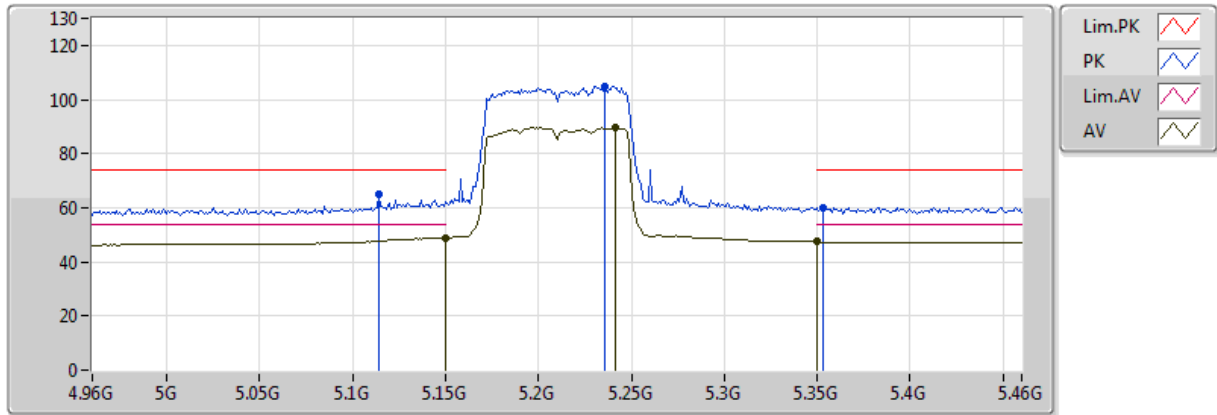


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.58768G	51.92	54.00	-2.08	16.72	3	Horizontal	94	1.48	-				
PK	11.58584G	65.61	74.00	-8.39	16.72	3	Horizontal	94	1.48	-				
PK	17.38626G	63.81	68.20	-4.39	23.97	3	Horizontal	324	2.78	-				

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

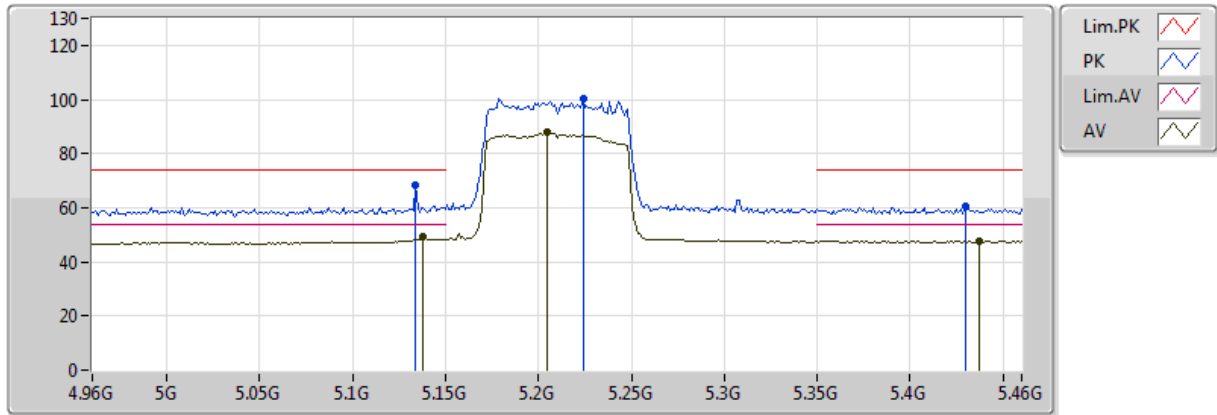


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.149995G	48.74	54.00	-5.26	9.76	3	Vertical	353	1.50	-				
AV	5.241G	89.73	Inf	-Inf	9.94	3	Vertical	353	1.50	-				
AV	5.350005G	47.41	54.00	-6.59	10.09	3	Vertical	353	1.50	-				
PK	5.114G	64.74	74.00	-9.26	9.68	3	Vertical	353	1.50	-				
PK	5.236G	104.85	Inf	-Inf	9.93	3	Vertical	353	1.50	-				
PK	5.353G	60.10	74.00	-13.90	10.09	3	Vertical	353	1.50	-				

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

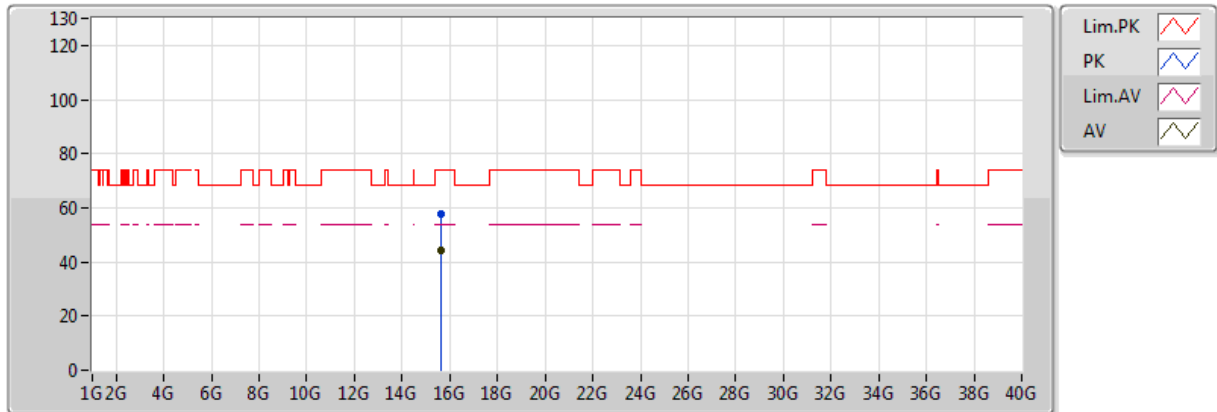


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	5.138G	49.49	54.00	-4.51	9.74	3	Horizontal	53	1.87	-				
AV	5.205G	87.95	Inf	-Inf	9.89	3	Horizontal	53	1.87	-				
AV	5.437G	47.59	54.00	-6.41	10.28	3	Horizontal	53	1.87	-				
PK	5.134G	68.18	74.00	-5.82	9.73	3	Horizontal	53	1.87	-				
PK	5.224G	100.56	Inf	-Inf	9.91	3	Horizontal	53	1.87	-				
PK	5.43G	60.59	74.00	-13.41	10.25	3	Horizontal	53	1.87	-				

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

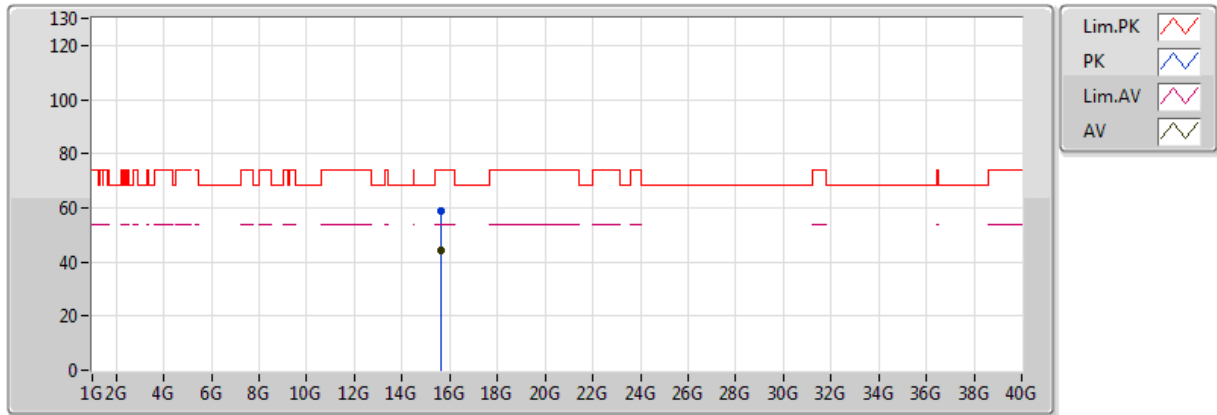


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	15.62556G	44.42	54.00	-9.58	18.52	3	Vertical	228	2.19	-				
PK	15.62216G	57.77	74.00	-16.23	18.52	3	Vertical	228	2.19	-				

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

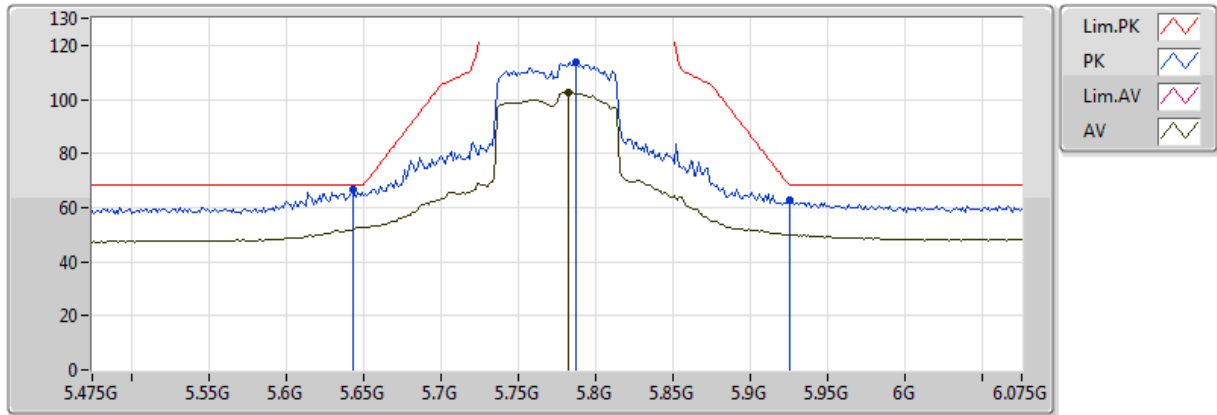


20171006
EUT Y_2TX
Setting 25
02-G-2
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)					
AV	15.62044G	44.31	54.00	-9.69	18.53	3	Horizontal	248	2.37	-				
PK	15.62648G	58.93	74.00	-15.07	18.51	3	Horizontal	248	2.37	-				

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

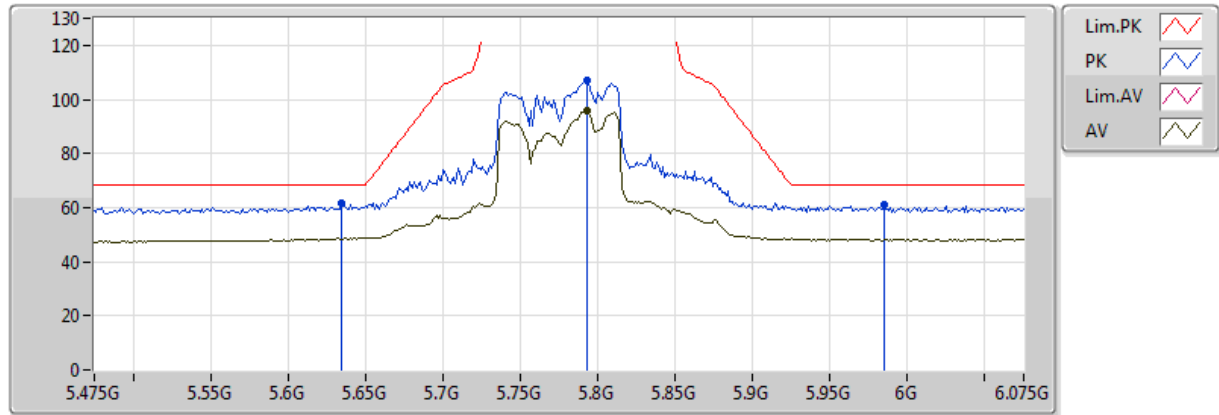


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.7822G	102.61	Inf	-Inf	10.65	3	Vertical	350	2.57	-
PK	5.643G	66.93	68.20	-1.27	10.65	3	Vertical	350	2.57	-
PK	5.787G	113.88	Inf	-Inf	10.65	3	Vertical	350	2.57	-
PK	5.925G	62.98	68.20	-5.22	10.81	3	Vertical	350	2.57	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

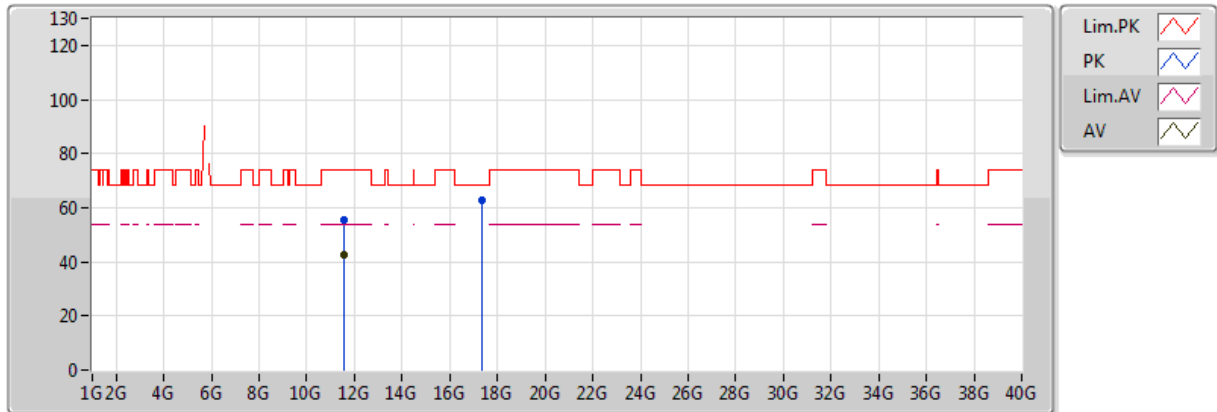


20171007
EUT Y_2TX
Setting 25
02-P-2-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	5.793G	96.06	Inf	-Inf	10.65	3	Horizontal	173	1.48	-
PK	5.6346G	61.56	68.20	-6.64	10.65	3	Horizontal	173	1.48	-
PK	5.793G	107.09	Inf	-Inf	10.65	3	Horizontal	173	1.48	-
PK	5.985G	61.09	68.20	-7.11	10.89	3	Horizontal	173	1.48	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

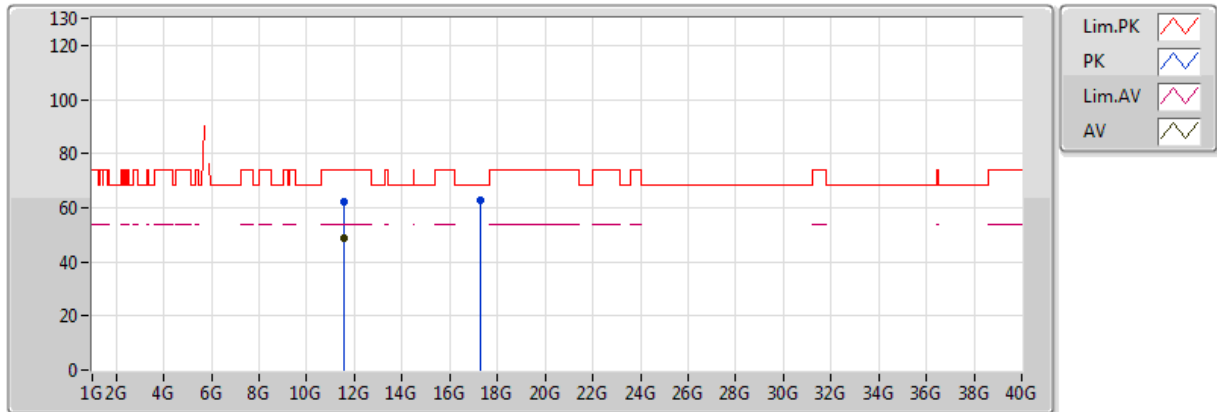


20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.56074G	42.67	54.00	-11.33	16.69	3	Vertical	290	2.34	-				
PK	11.54412G	55.49	74.00	-18.51	16.67	3	Vertical	290	2.34	-				
PK	17.32796G	63.03	68.20	-5.17	23.62	3	Vertical	220	2.02	-				

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX



20171007
EUT Y_2TX
Setting 25
02-P-2
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments				
AV	11.5519G	48.49	54.00	-5.51	16.68	3	Horizontal	93	1.46	-				
PK	11.568G	62.20	74.00	-11.80	16.70	3	Horizontal	93	1.46	-				
PK	17.31744G	62.97	68.20	-5.23	23.56	3	Horizontal	287	2.53	-				

Mode: 20 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9926	5199.9922	5199.9912	5199.9902
110.00	5199.9924	5199.9919	5199.9913	5199.9904
93.50	5199.9919	5199.9912	5199.9902	5199.9899
Max. Deviation (MHz)	0.0081	0.0088	0.0098	0.0101
Max. Deviation (ppm)	1.56	1.69	1.88	1.94
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5199.9907	5199.9899	5199.9892	5199.9888
10	5199.9915	5199.9910	5199.9901	5199.9897
20	5199.9924	5199.9915	5199.9906	5199.9901
30	5199.9958	5199.9948	5199.9939	5199.9935
40	5199.9971	5199.9962	5199.9958	5199.9953
Max. Deviation (MHz)	0.0124	0.0130	0.0140	0.0145
Max. Deviation (ppm)	2.38	2.50	2.69	2.79
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9933	5784.9926	5784.9925	5784.9921
110.00	5784.9924	5784.9914	5784.9906	5784.9898
93.50	5784.9916	5784.9913	5784.9907	5784.9898
Max. Deviation (MHz)	0.0084	0.0087	0.0094	0.0102
Max. Deviation (ppm)	1.45	1.50	1.62	1.76
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5784.9894	5784.9890	5784.9886	5784.9876
10	5784.9909	5784.9902	5784.9895	5784.9891
20	5784.9924	5784.9923	5784.9918	5784.9916
30	5784.9958	5784.9952	5784.9945	5784.9938
40	5784.9971	5784.9969	5784.9966	5784.9956
Max. Deviation (MHz)	0.0137	0.0144	0.0146	0.0154
Max. Deviation (ppm)	2.37	2.49	2.52	2.66
Result	Pass			

Mode: 40 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9932	5189.9929	5189.9923	5189.9918
110.00	5189.9924	5189.9918	5189.9913	5189.9912
93.50	5189.9914	5189.9908	5189.9899	5189.9898
Max. Deviation (MHz)	0.0086	0.0092	0.0101	0.0102
Max. Deviation (ppm)	1.66	1.77	1.95	1.97
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5189.9896	5189.9887	5189.9879	5189.9878
10	5189.9905	5189.9895	5189.9891	5189.9887
20	5189.9924	5189.9918	5189.9910	5189.9901
30	5189.9958	5189.9953	5189.9948	5189.9945
40	5189.9970	5189.9969	5189.9960	5189.9953
Max. Deviation (MHz)	0.0140	0.0149	0.0155	0.0161
Max. Deviation (ppm)	2.70	2.87	2.99	3.10
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9927	5754.9926	5754.9916	5754.9912
110.00	5754.9924	5754.9919	5754.9912	5754.9906
93.50	5754.9921	5754.9919	5754.9917	5754.9909
Max. Deviation (MHz)	0.0079	0.0081	0.0088	0.0094
Max. Deviation (ppm)	1.37	1.41	1.53	1.63
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5754.9907	5754.9897	5754.9893	5754.9891
10	5754.9914	5754.9912	5754.9906	5754.9905
20	5754.9924	5754.9914	5754.9912	5754.9904
30	5754.9958	5754.9957	5754.9950	5754.9945
40	5754.9966	5754.9958	5754.9948	5754.9938
Max. Deviation (MHz)	0.0141	0.0144	0.0153	0.0160
Max. Deviation (ppm)	2.45	2.50	2.66	2.78
Result	Pass			

Mode: 80 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9932	5209.9922	5209.9920	5209.9913
110.00	5209.9924	5209.9918	5209.9913	5209.9909
93.50	5209.9919	5209.9915	5209.9912	5209.9907
Max. Deviation (MHz)	0.0081	0.0085	0.0088	0.0093
Max. Deviation (ppm)	1.55	1.63	1.69	1.79
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5209.9889	5209.9886	5209.9880	5209.9878
10	5209.9905	5209.9903	5209.9899	5209.9894
20	5209.9924	5209.9918	5209.9910	5209.9900
30	5209.9958	5209.9953	5209.9944	5209.9943
40	5209.9978	5209.9970	5209.9961	5209.9956
Max. Deviation (MHz)	0.0154	0.0163	0.0168	0.0174
Max. Deviation (ppm)	2.96	3.13	3.22	3.34
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9925	5774.9915	5774.9913	5774.9909
110.00	5774.9924	5774.9918	5774.9917	5774.9911
93.50	5774.9917	5774.9908	5774.9900	5774.9898
Max. Deviation (MHz)	0.0083	0.0092	0.0100	0.0102
Max. Deviation (ppm)	1.44	1.59	1.73	1.77
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5774.9901	5774.9899	5774.9897	5774.9888
10	5774.9919	5774.9915	5774.9905	5774.9901
20	5774.9924	5774.9919	5774.9917	5774.9911
30	5774.9958	5774.9950	5774.9944	5774.9935
40	5774.9969	5774.9959	5774.9949	5774.9944
Max. Deviation (MHz)	0.0127	0.0129	0.0133	0.0142
Max. Deviation (ppm)	2.20	2.23	2.30	2.46
Result	Pass			