



FCC RADIO TEST REPORT

FCC ID : Q87-03397
Equipment : Linksys EA7300 MAX-STREAM AC1750 MU-MIMO Gigabit Wi-Fi Router
Brand Name : LINKSYS
Model Name : EA7300 V2
Applicant : Linksys LLC
121 Theory, Drive Irvine CA 92617, United States
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 04, 2018, and testing was started from Oct. 04, 2018 and completed on Nov. 09, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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


Approved by: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
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Report Template No.: CB Ver1.0



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Comments and Explanations:

The "USB port" was performed test at the load by the applicant requirement.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, 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	P/N		Antenna Type	Connector	Gain (dBi)	
	2.4GHz	5GHz		2.4GHz	5GHz			2.4GHz	5GHz
1	2	1	FIT	4TS4009-A0003-JH	4TS4009-A0003-JH	Dipole	I-PEX	1.24	2.20
2	1	2	FIT	4TS4009-A0004-JH	4TS4009-A0004-JH	Dipole	I-PEX	1.20	2.10
3	-	3	FIT	-	4TS4009-A0005-JH	Dipole	I-PEX	-	1.85
4	-	4	FIT	-	4TS4009-A0006-JH	Dipole	I-PEX	-	2.82

Note: The EUT has four antennas.

<For 2.4GHz Band>**For IEEE 802.11b/g/n mode (2TX/2RX)**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz Band>**For IEEE 802.11a/n/ac mode (4TX/4RX)**

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

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

**1.1.3 Mode Test Duty Cycle****Mode 1: 4TX/1S**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.968	0.141	1.398m	1k
802.11ac VHT20-BF	0.853	0.691	867.5u	3k
802.11ac VHT40-BF	0.757	1.209	442.5u	3k
802.11ac VHT80-BF	0.84	0.757	775u	3k

Mode 2: 4TX/2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ac VHT20-BF	0.747	1.267	457.5u	3k
802.11ac VHT40-BF	0.647	1.891	245u	10k
802.11ac VHT80-BF	0.739	1.314	413.125u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	Note: The product has beamforming function for 802.11n/ac in 5GHz			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	For 11a mode: QA Tool_0.0.1.85			
	For 11n/ac mode: Telnet V1.12.1			



1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01
- ♦ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location				
☐	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	TEL : 886-3-327-3456	FAX : 886-3-327-0973
☒	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	Eason Chen	23°C / 60%	Oct. 26, 2018~ Oct. 31, 2018
Radiated	03CH01-CB	Ekko Hsieh	22°C / 54%	Oct. 04, 2018~ Nov. 09, 2018
AC Conduction	CO01-CB	GN Hou	20°C / 60%	Nov. 01, 2018

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%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode 1: 4TX/1S

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	18
5200MHz	18
5240MHz	18
5745MHz	23
5785MHz	25
5825MHz	25
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5745MHz	25
5785MHz	24
5825MHz	26
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	24
5230MHz	24
5755MHz	26
5795MHz	28
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	15
5775MHz	28

**Mode 2: 4TX/2S**

Mode	PowerSetting
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	29
5200MHz	29
5240MHz	29
5745MHz	33
5785MHz	31
5825MHz	31
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	25
5230MHz	27
5755MHz	32
5795MHz	32
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	22
5775MHz	33

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- ♦ There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 802.11n/ac in 5GHz, After evaluating, beamforming mode had been evaluated to be the worst case, so it was selected to record in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
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
Test Condition	Conducted measurement at transmit chains
1	4TX/1S
2	4TX/2S

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
The EUT can be placed in Y-axis and Z-axis. EUT Z axis has been evaluated to be the worst case at Unwanted Emissions <Above 1GHz>; thus, the measurement will follow this same test configuration.	
1	Place EUT in Z axis with Adapter 1
2	Place EUT in Z axis with Adapter 2
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT can be placed in Y-axis and Z-axis. After evaluating, "Z axis" generated the worst test result, So the measurement will follow this same test configuration.	
1	4TX/1S + EUT Z axis
2	4TX/2S + EUT Z axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz in Z axis
2	WLAN 2.4GHz + WLAN 5GHz in Y axis
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA892642 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Radiated Mode:

During the test, the following programs under WIN XP were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN AP and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	Ktec	KSA-24W-120200HU	Input: 100-240V~50/60Hz, 0.6A Output: 12V, 2.0A
Adapter 2	APD	WB-24J12FU	Input: 100-120V~50-60Hz, 0.7A Max. Output: 12V, 2A
Others			
RJ-45 Cable*1: Non-Shielded, 0.9m			

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	WAN NB	DELL	E6430	N/A
C	2.4GHz NB	DELL	E6430	N/A
D	5GHz NB	DELL	E6430	N/A
E	Flash disk3.0	Transcend	639205 7755	N/A

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

<Non-beamforming mode>

For Test Site No: 03CH01-CB (above 1GHz) and TH01-CB

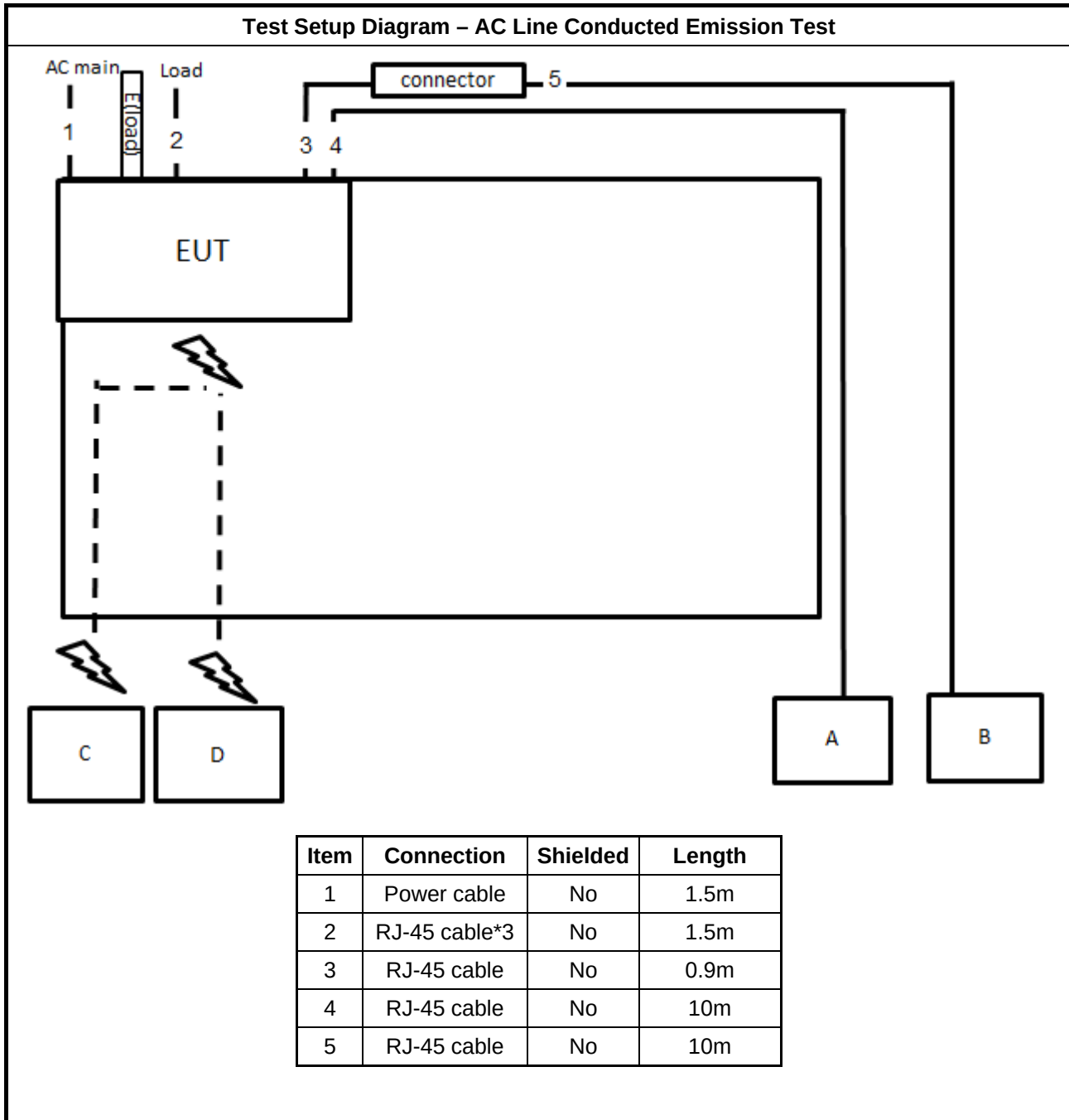
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

<beamforming mode>

For Test Site No: 03CH01-CB (above 1GHz) and TH01-CB

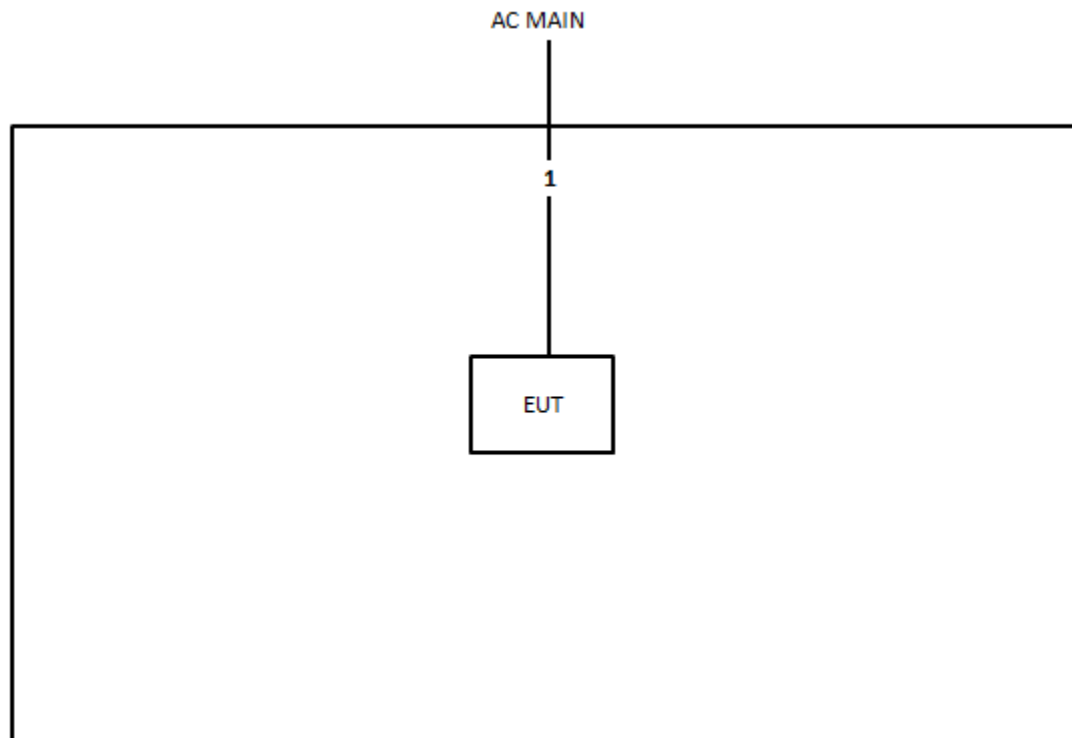
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	WLAN AP	Linksys	EA7300	N/A
C	NB	DELL	E4300	N/A

2.6 Test Setup Diagram





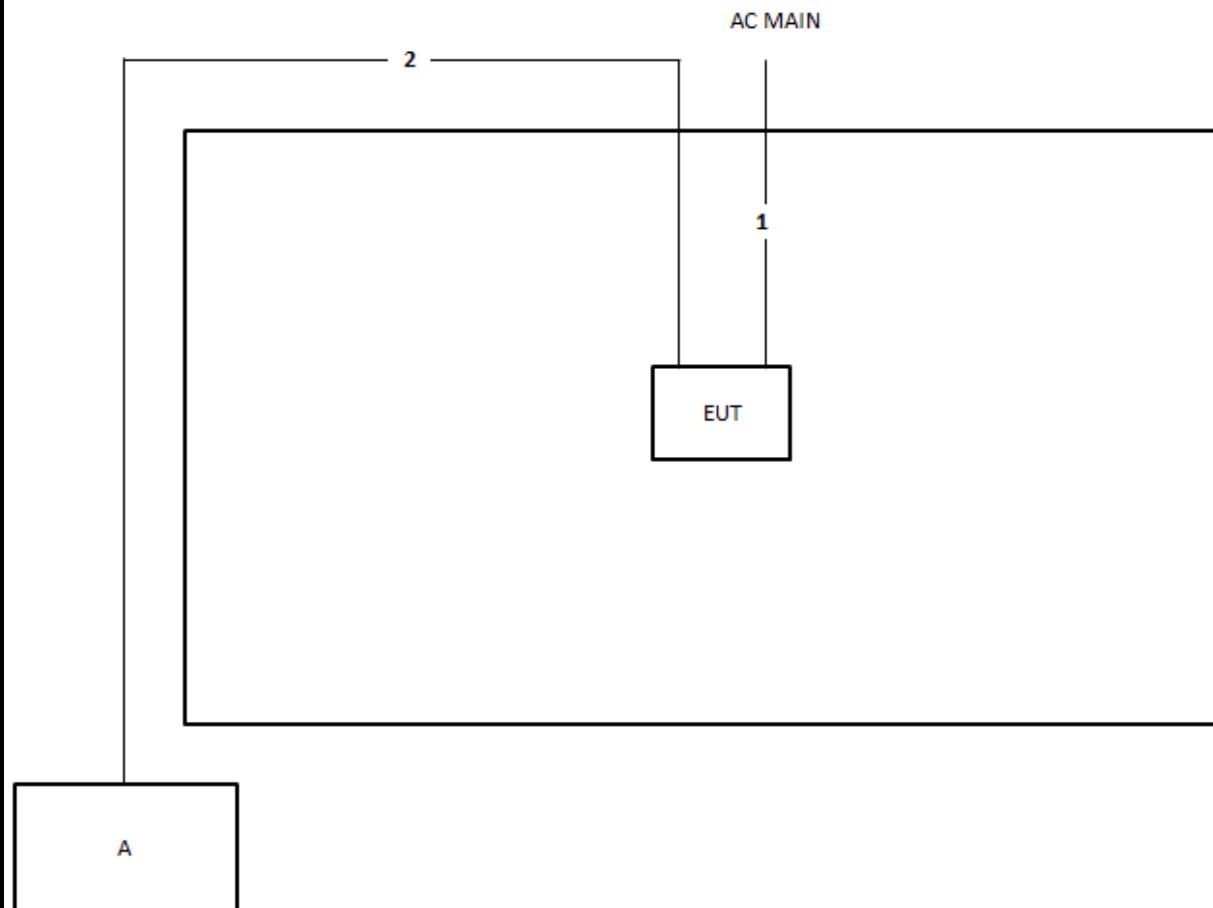
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz

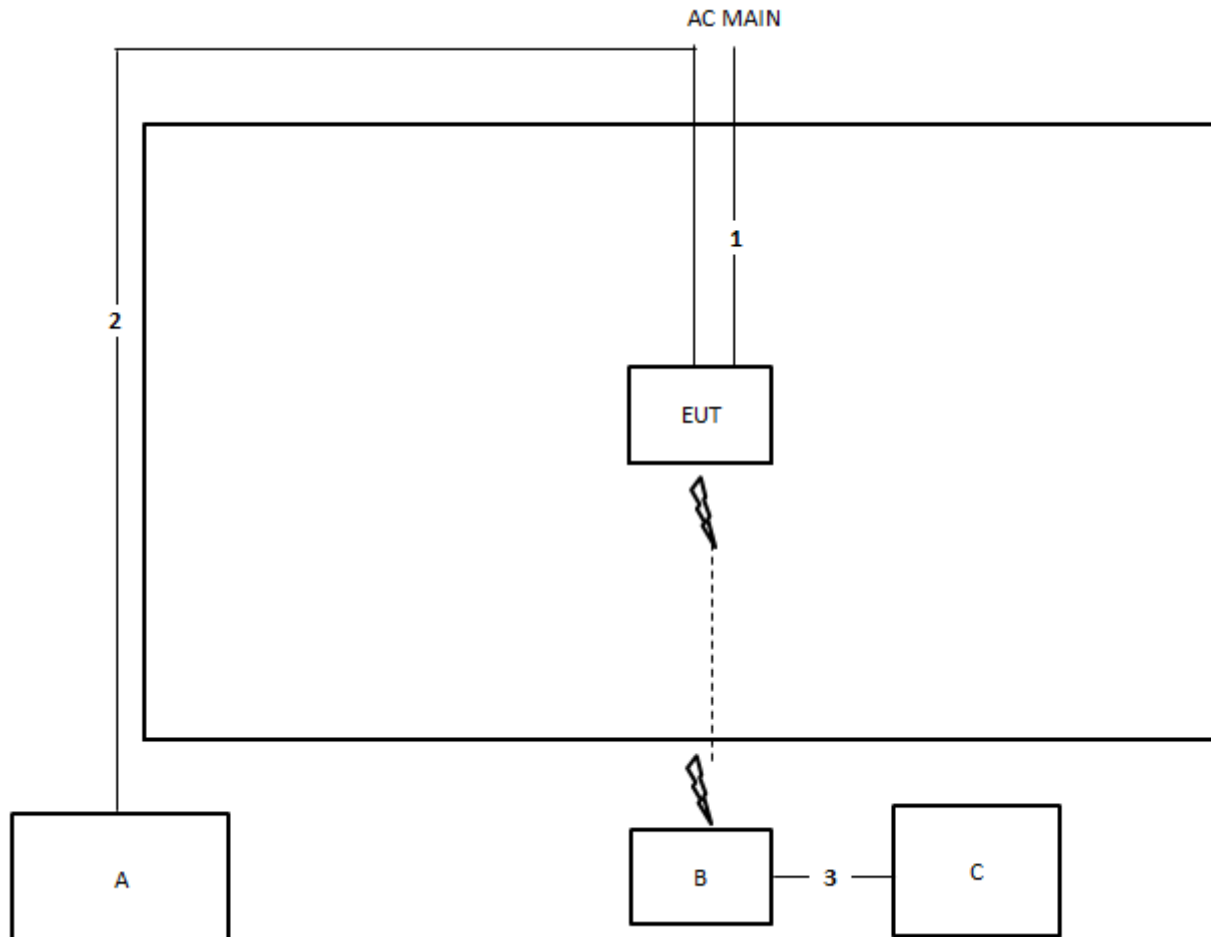
<Non-beamforming mode>



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

Test Setup Diagram - Radiated Test > 1GHz

<beamforming mode>



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

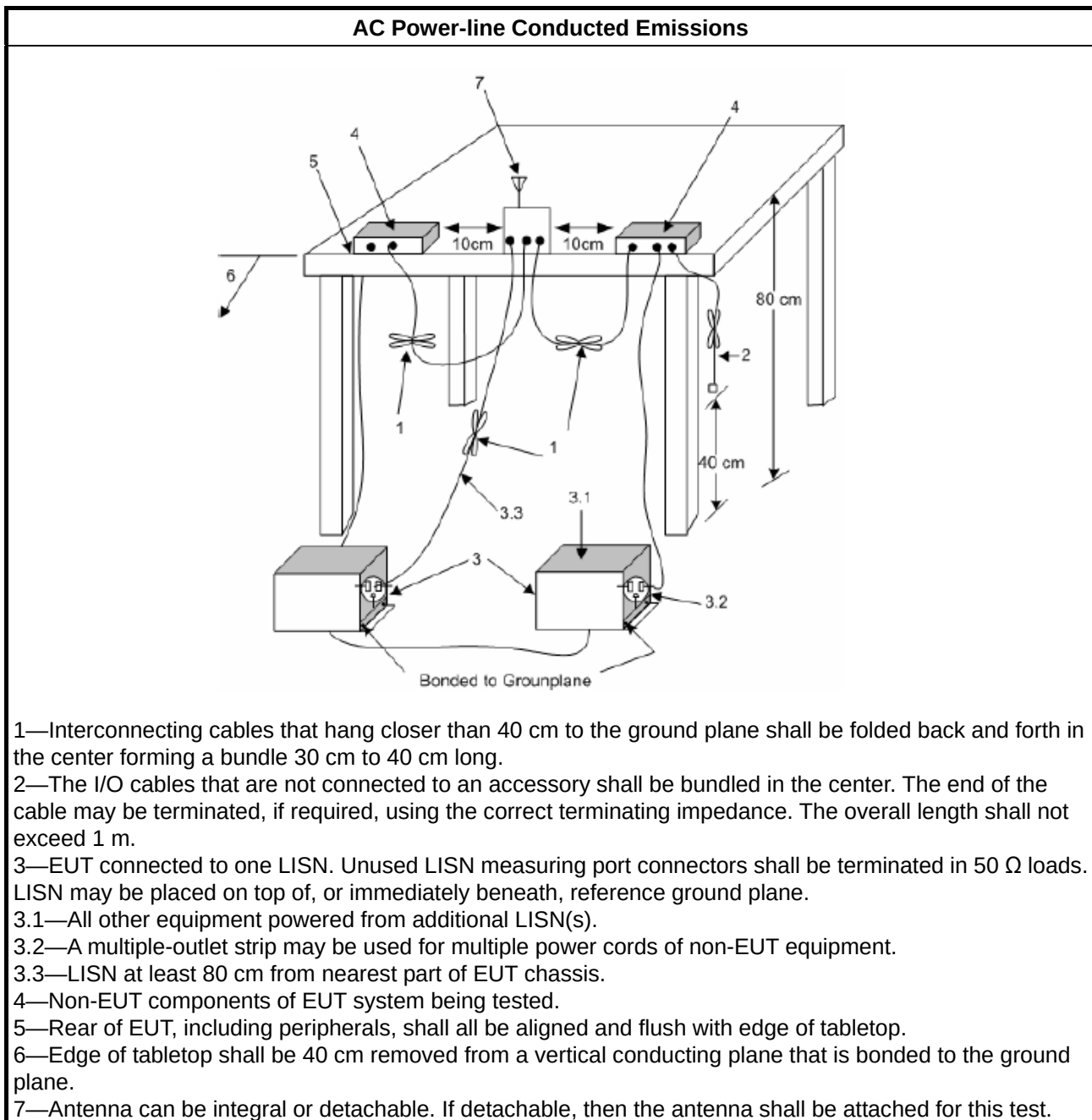
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

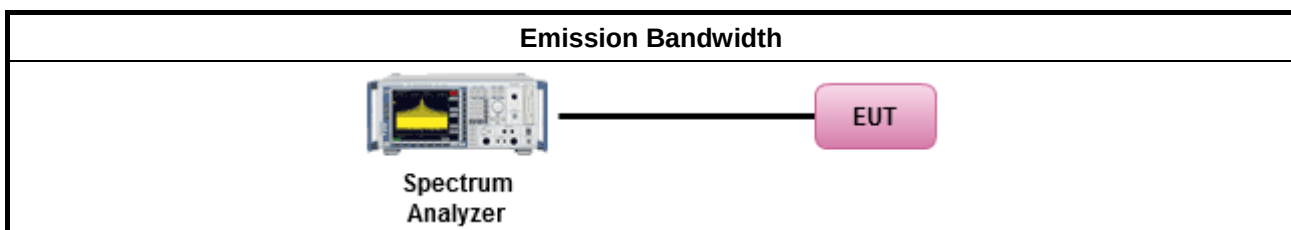
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

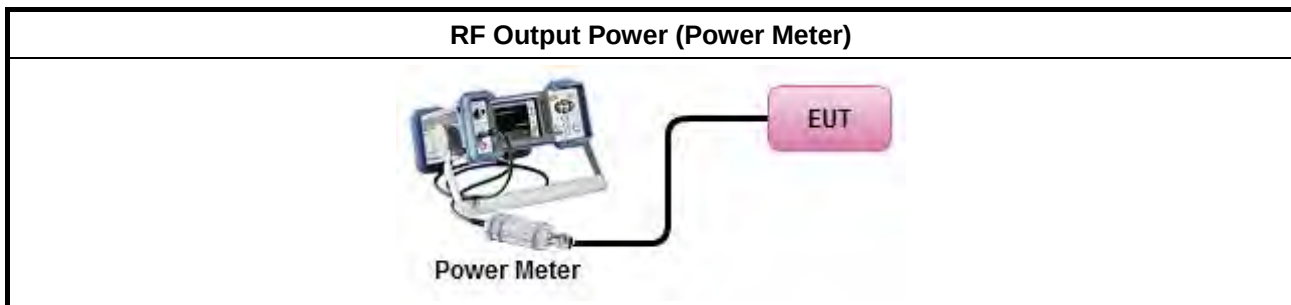
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the 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.
☐	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.
☐ 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.	



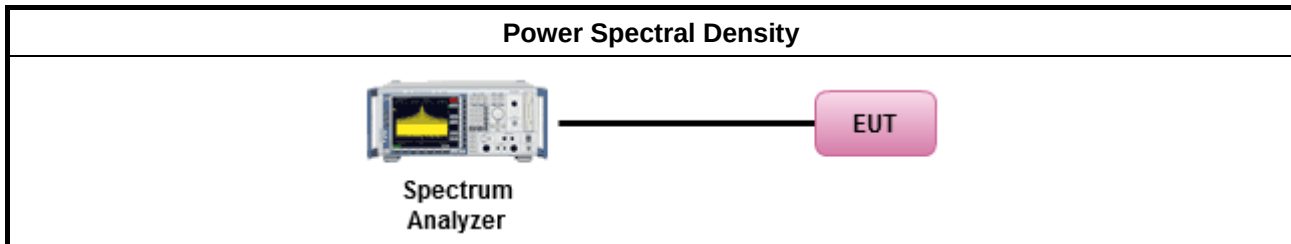
3.4.2 Measuring Instruments

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

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

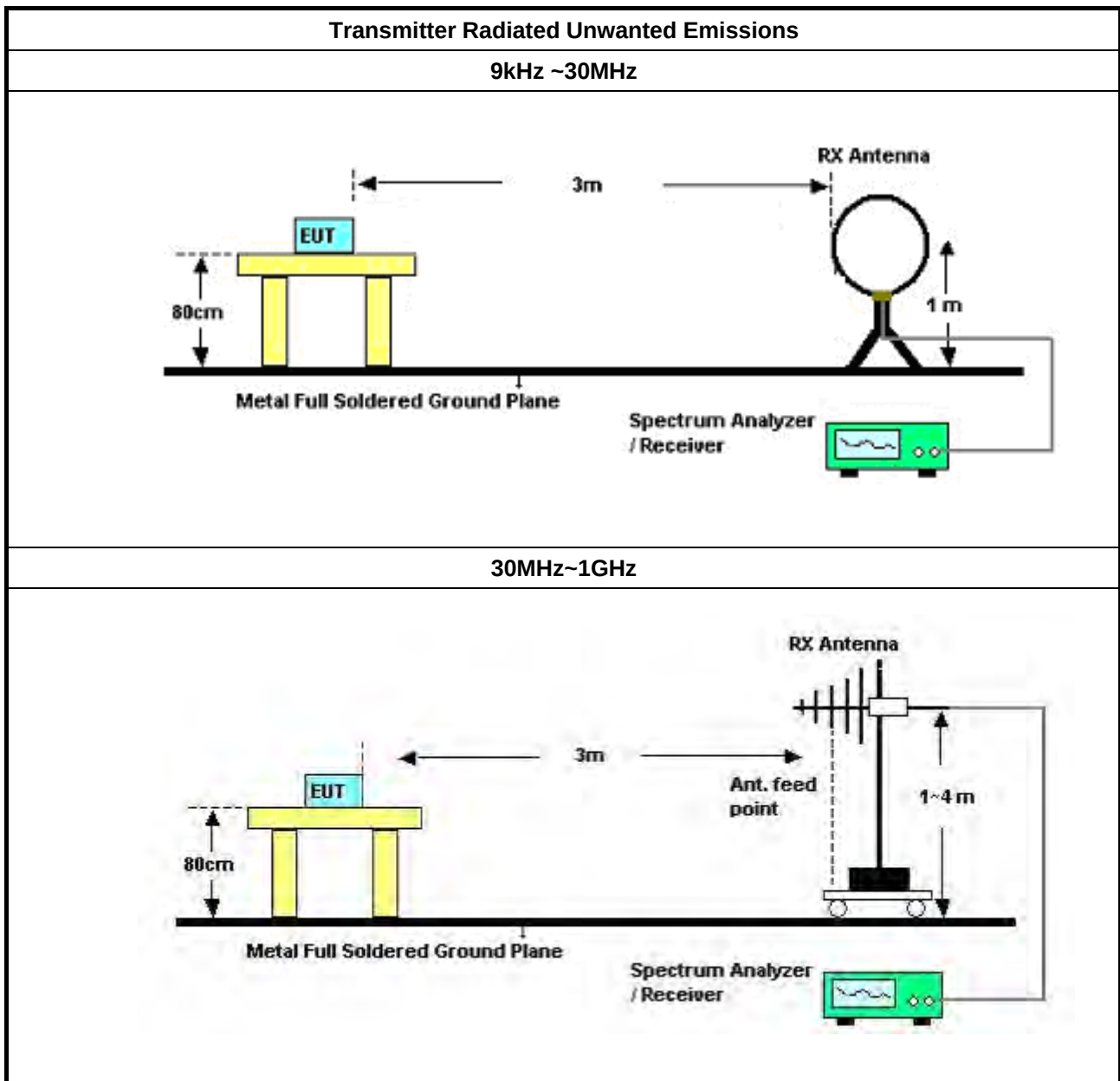
Refer a test equipment and calibration data table in this test report.

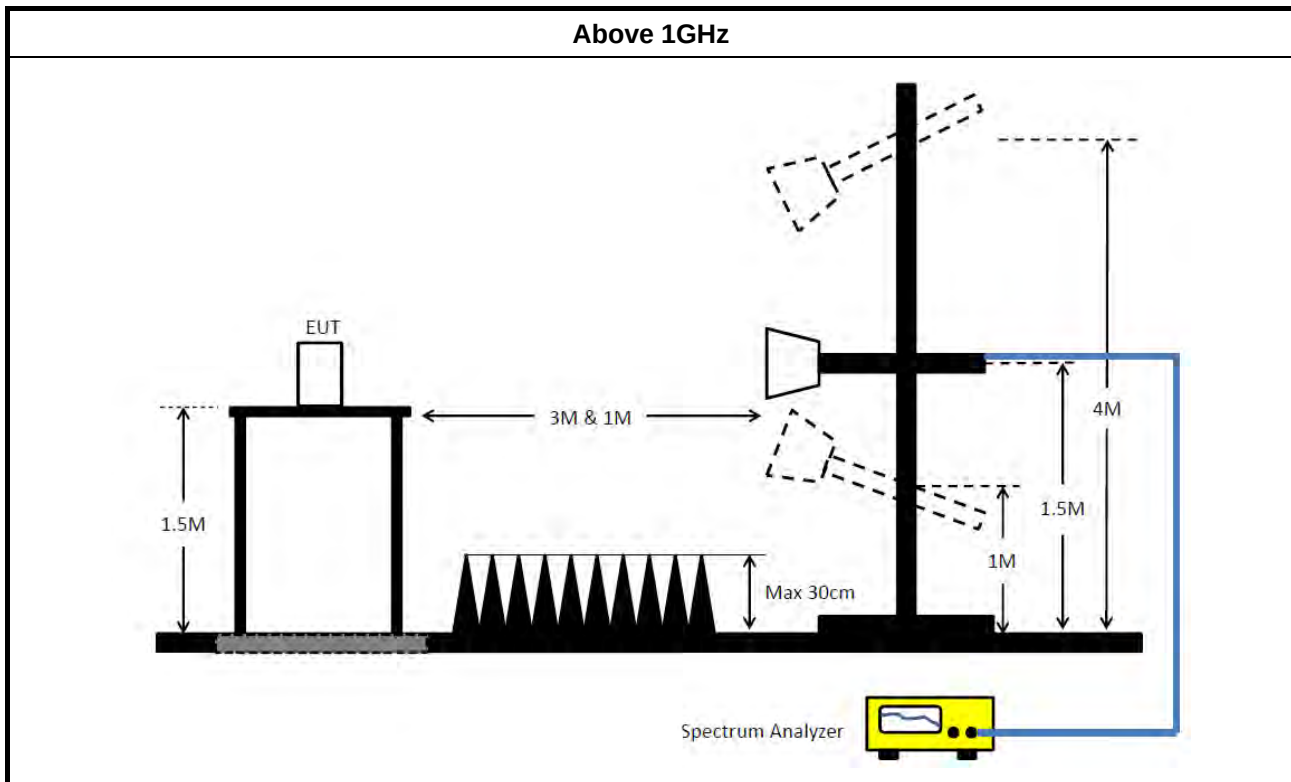
3.5.3 Test Procedures

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.

Test Method	
	- Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. - Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	- The any unwanted emissions level shall not exceed the fundamental emission level. - All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



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. 31, 2018	Jan. 30, 2019	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 20, 2017	Dec. 19, 2018	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 29, 2017	Dec. 28, 2018	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	150kHz ~ 30MHz	May 22, 2018	May 21, 2019	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, 2018	Mar. 15, 2019	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100354	9kHz ~ 2.75GHz	Dec. 08, 2017	Dec. 07, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Apr. 17, 2018	Apr. 16, 2019	Conducted (TH01-CB)

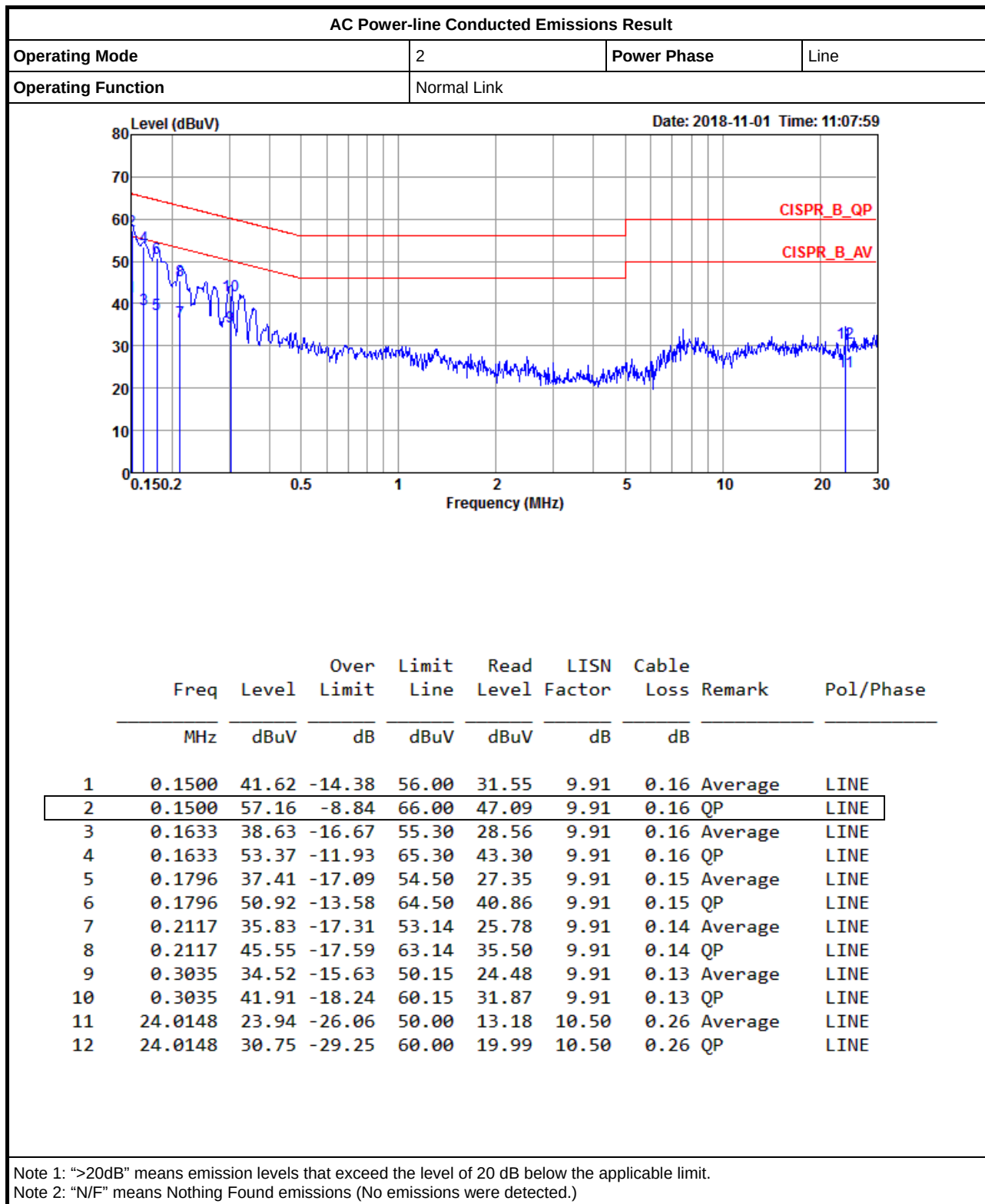
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



AC Power-line Conducted Emissions Result

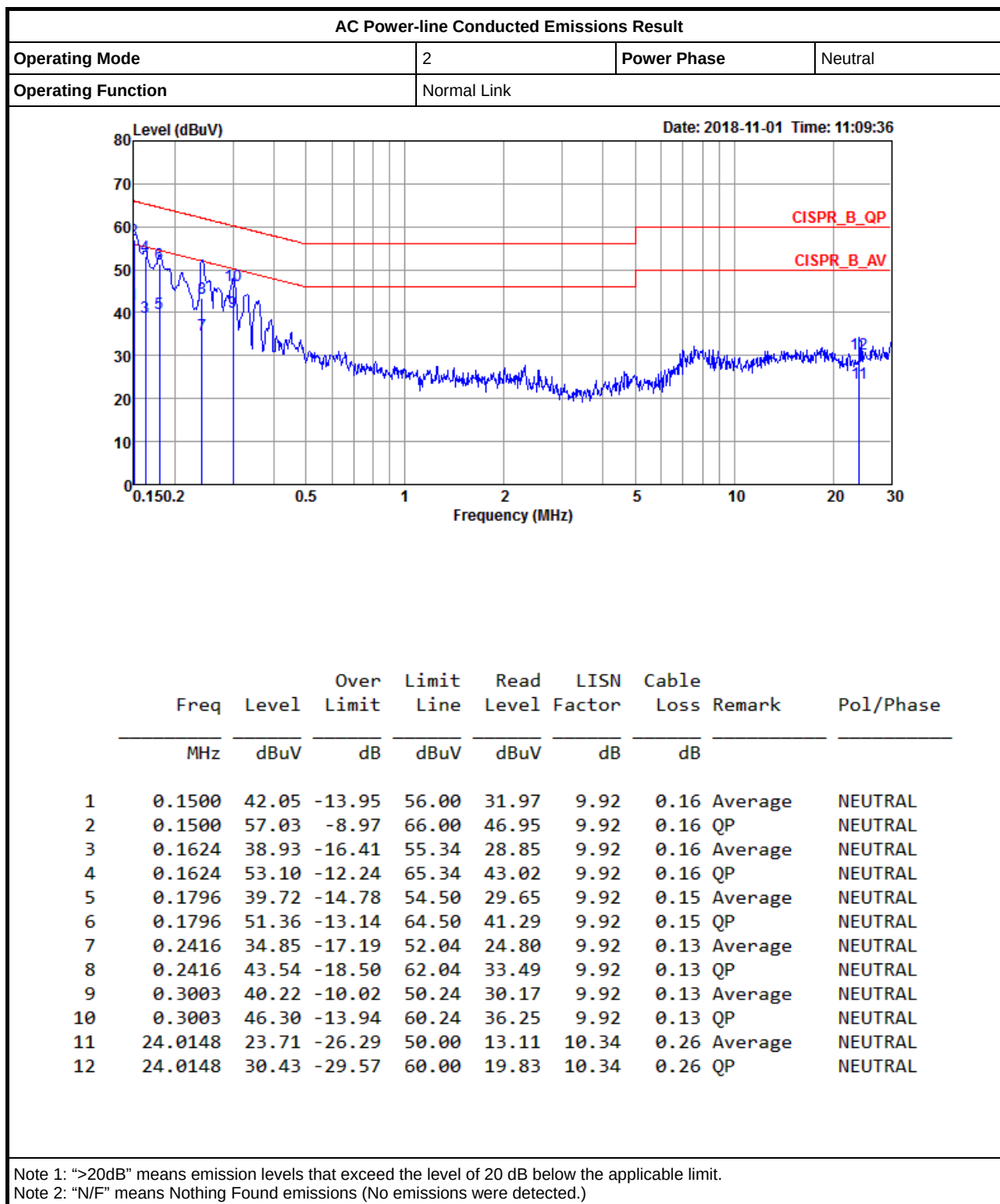
Appendix A





AC Power-line Conducted Emissions Result

Appendix A



Mode 1: 4TX/1S
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)_4TX	28.525M	16.467M	16M5D1D	25.575M	16.392M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	26.15M	17.616M	17M6D1D	19.9M	17.566M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	44.1M	36.132M	36M1D1D	40.6M	35.932M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.8M	75.562M	75M6D1D	80.3M	75.362M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	15.925M	27.161M	27M2D1D	15.025M	21.739M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	15.4M	17.941M	17M9D1D	13.825M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	35.1M	36.482M	36M5D1D	33.7M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	75.1M	76.362M	76M4D1D	75M	75.862M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

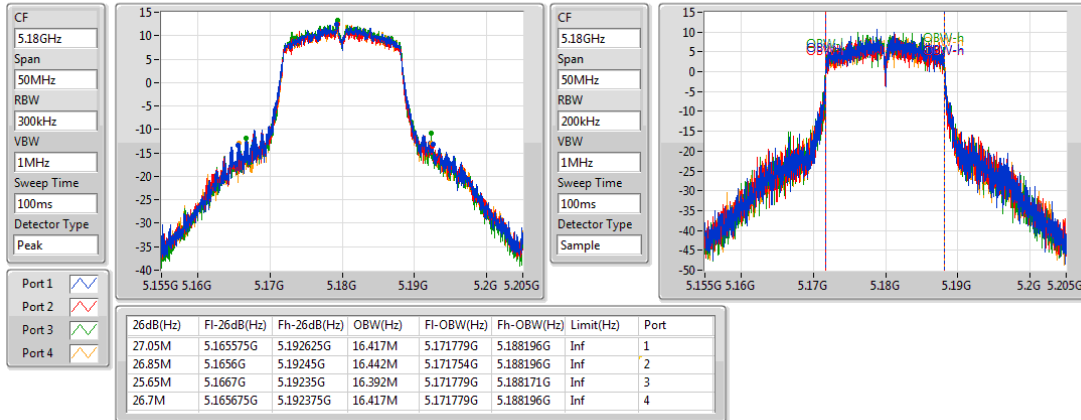
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	27.05M	16.417M	26.85M	16.442M	25.65M	16.392M	26.7M	16.417M
5200MHz	Pass	Inf	28.525M	16.442M	26.75M	16.467M	25.625M	16.392M	26.7M	16.442M
5240MHz	Pass	Inf	27.75M	16.467M	27.775M	16.467M	25.575M	16.392M	27.75M	16.442M
5745MHz	Pass	500k	15.075M	21.739M	15.075M	22.414M	15.075M	22.439M	15.025M	24.088M
5785MHz	Pass	500k	15.275M	24.888M	15.1M	25.662M	15.925M	25.337M	15.725M	27.161M
5825MHz	Pass	500k	15.1M	26.112M	15.05M	24.013M	15.45M	24.063M	15.65M	26.637M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.175M	17.566M	22.625M	17.566M	19.9M	17.566M	20.55M	17.566M
5200MHz	Pass	Inf	25.25M	17.591M	26.15M	17.566M	24.525M	17.566M	24.85M	17.591M
5240MHz	Pass	Inf	24.975M	17.616M	25.7M	17.566M	20.8M	17.591M	23.65M	17.616M
5745MHz	Pass	500k	15.4M	17.691M	15.05M	17.766M	15M	17.766M	15.1M	17.791M
5785MHz	Pass	500k	15.1M	17.766M	15M	17.791M	15.325M	17.791M	15.1M	17.841M
5825MHz	Pass	500k	15.05M	17.841M	15.05M	17.741M	15.025M	17.791M	13.825M	17.941M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.55M	35.982M	40.6M	35.982M	41M	35.932M	42.45M	36.032M
5230MHz	Pass	Inf	44.1M	36.032M	40.6M	36.132M	40.95M	35.932M	43.9M	36.082M
5755MHz	Pass	500k	34.95M	36.282M	34.95M	36.232M	35.1M	36.282M	33.85M	36.332M
5795MHz	Pass	500k	35M	36.332M	35.05M	36.332M	33.7M	36.482M	33.8M	36.482M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.8M	75.462M	80.3M	75.562M	80.7M	75.362M	80.4M	75.462M
5775MHz	Pass	500k	75.1M	76.162M	75.1M	75.862M	75M	76.162M	75.1M	76.362M

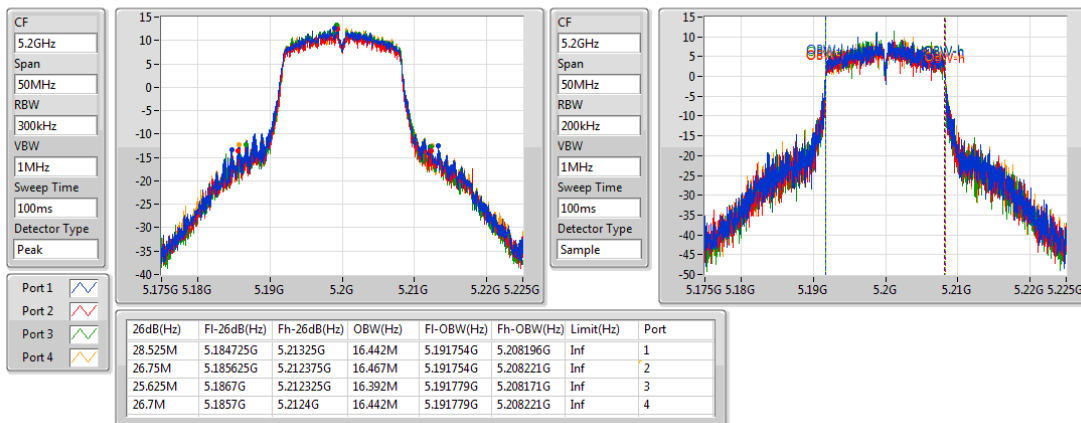
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

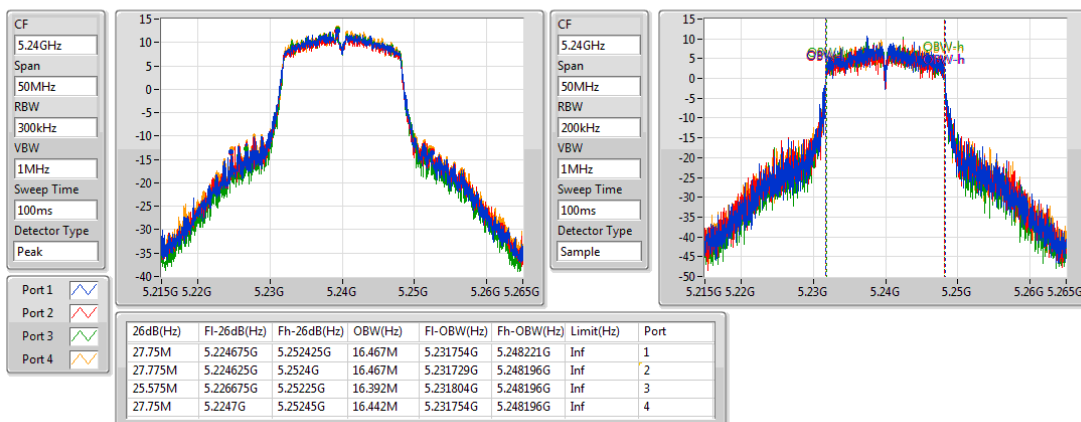
26/10/2018


802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

26/10/2018


802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

26/10/2018

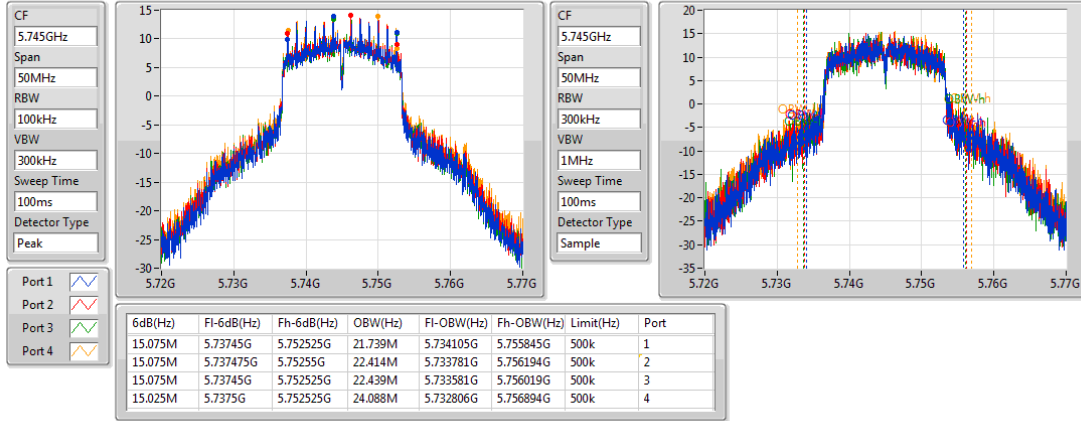


802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

26/10/2018

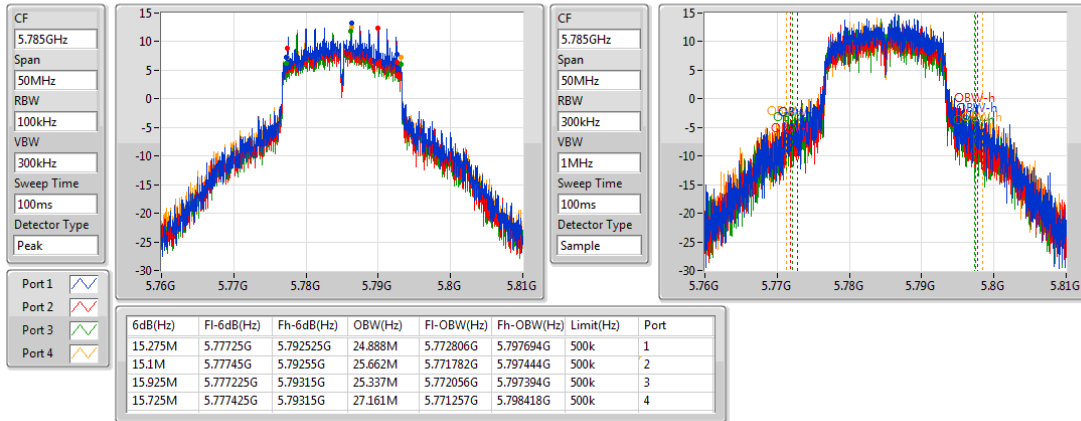


802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

26/10/2018

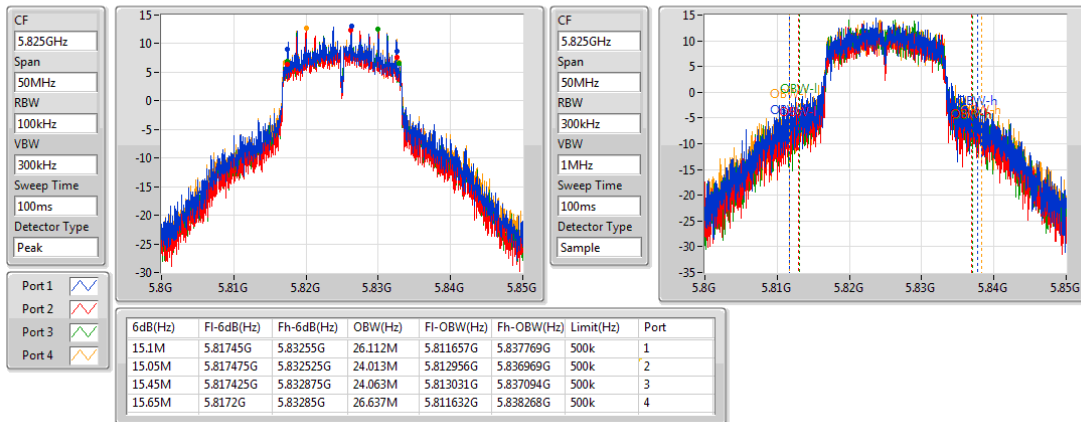


802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

26/10/2018

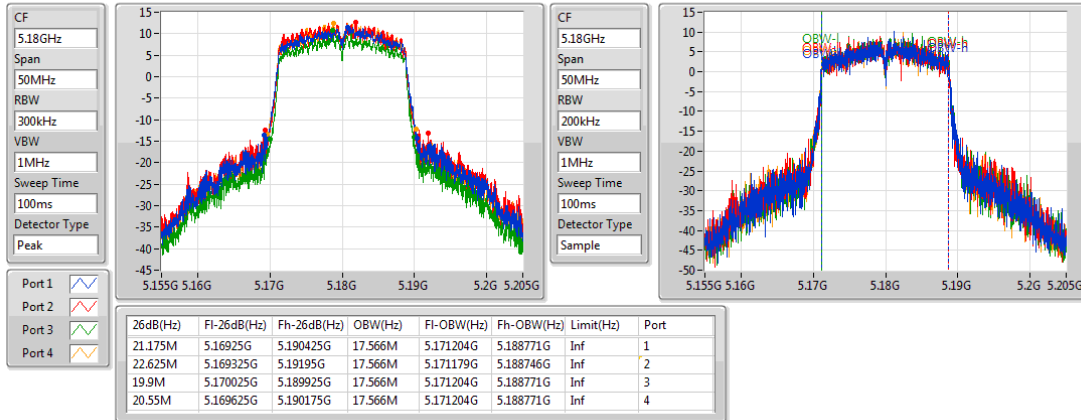


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

26/10/2018

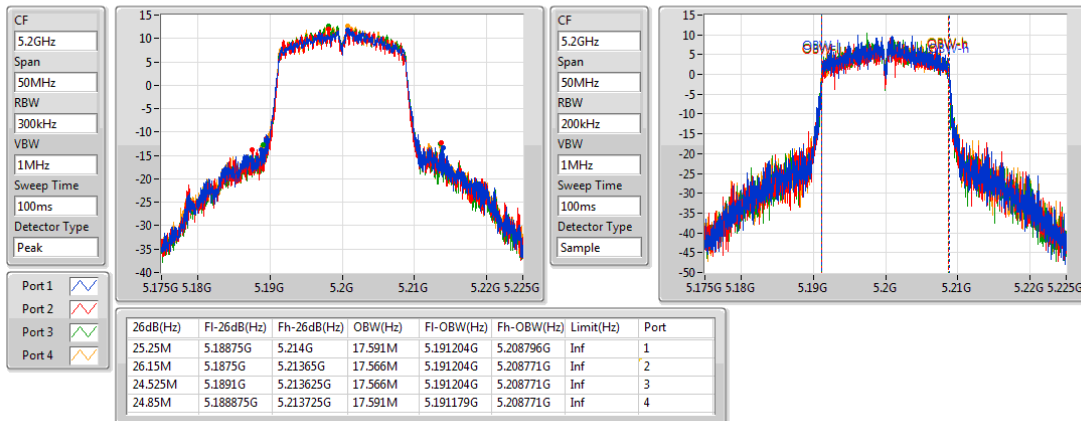


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

26/10/2018

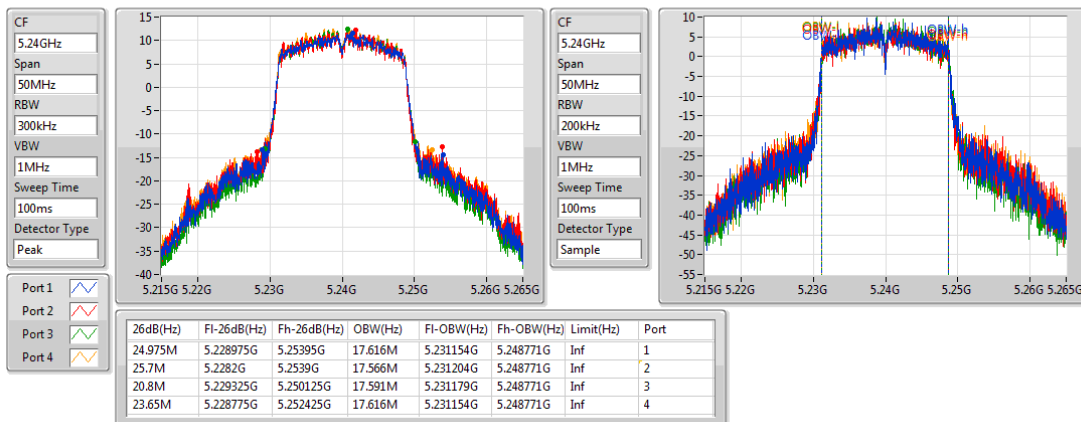


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5240MHz

26/10/2018

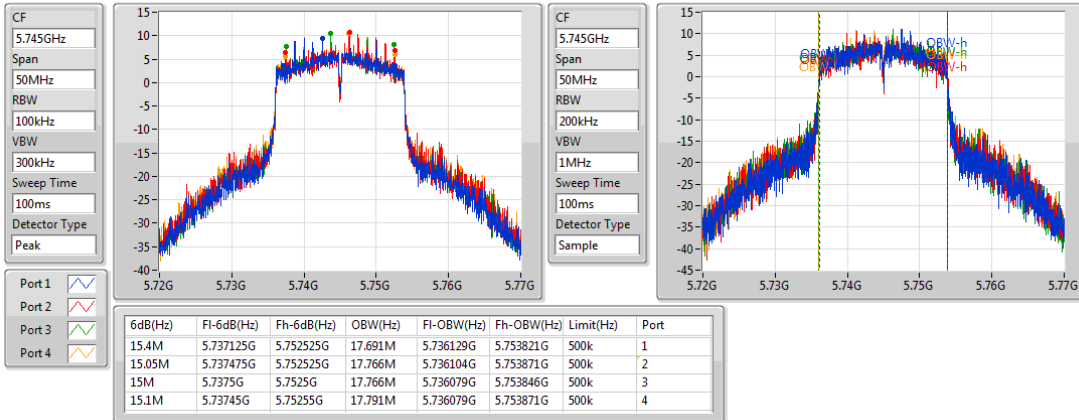


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

26/10/2018

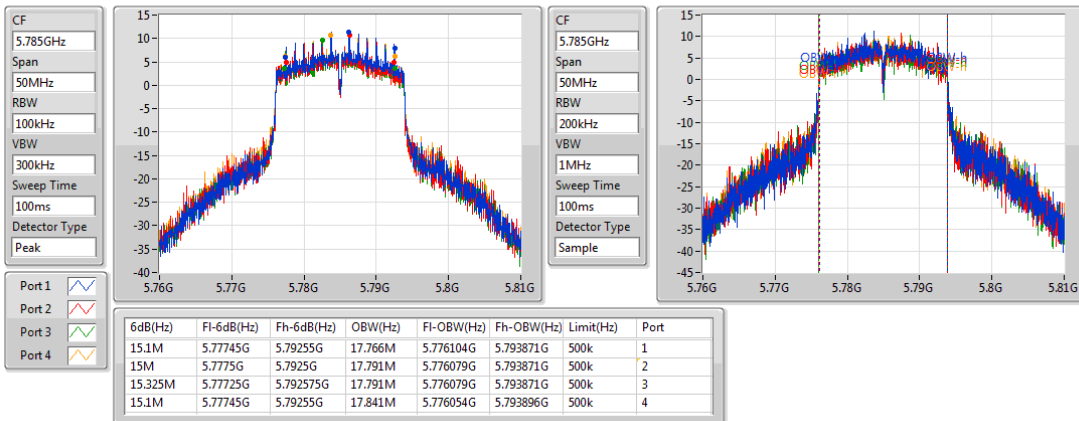


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

26/10/2018

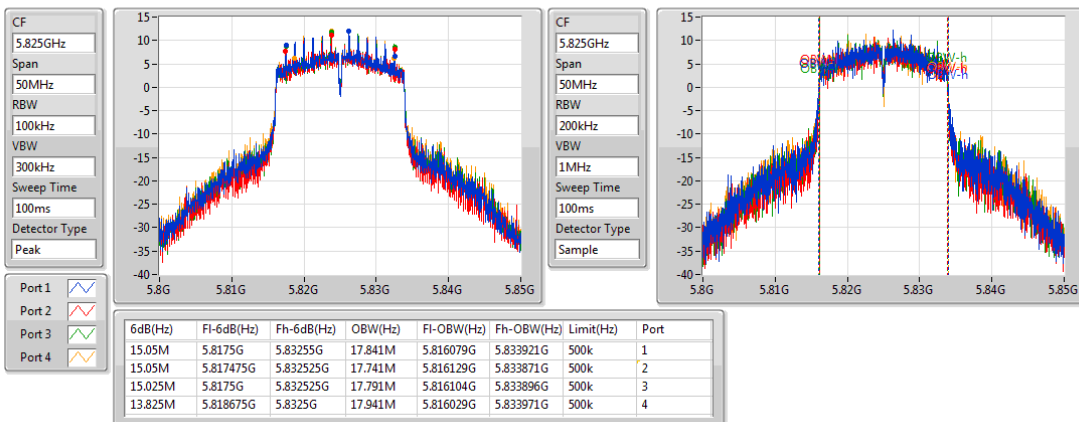


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

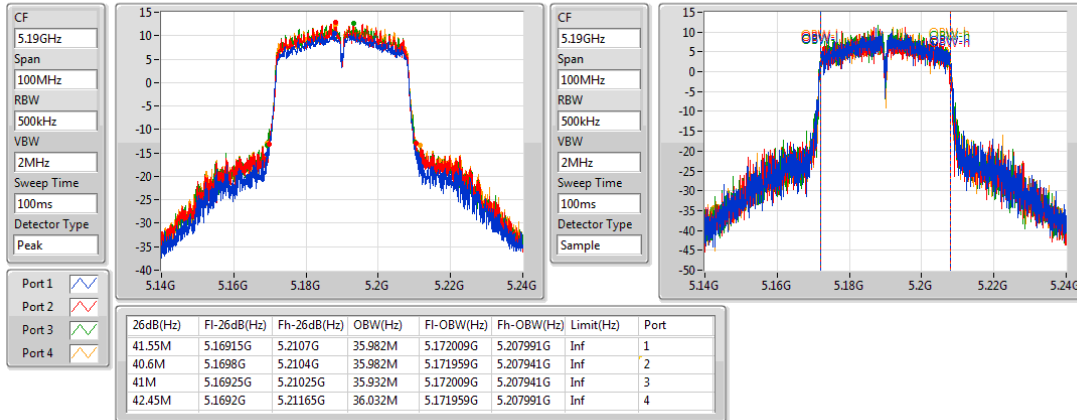
5825MHz

26/10/2018

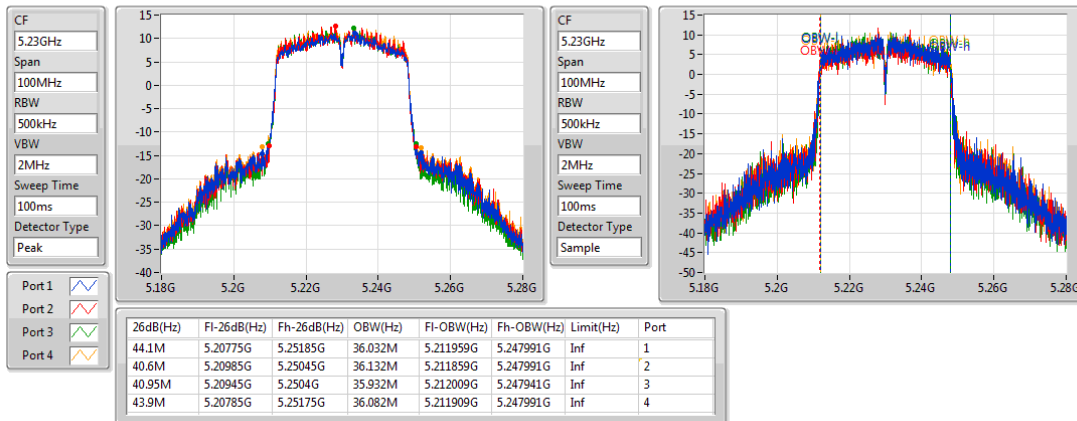


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

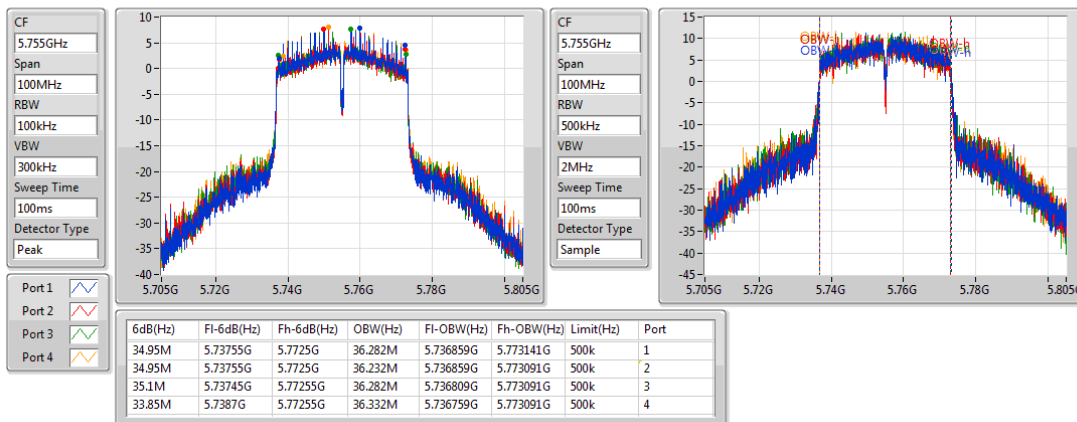
26/10/2018


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

26/10/2018

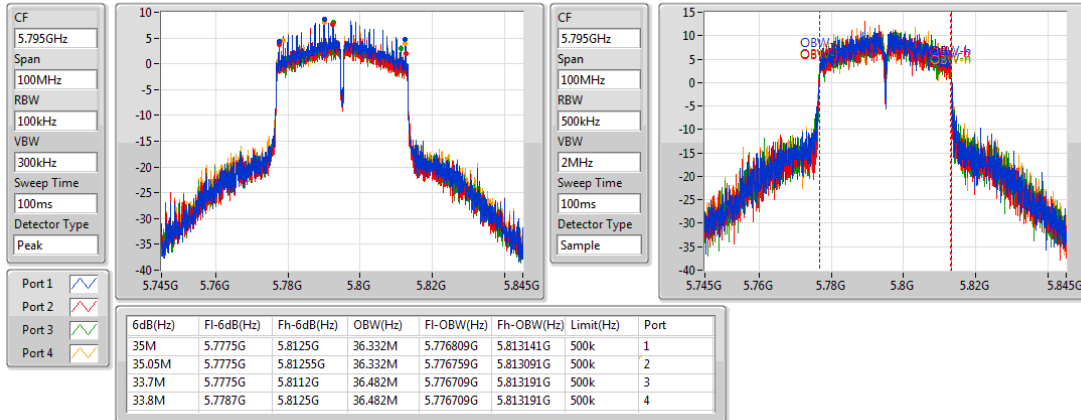

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

26/10/2018

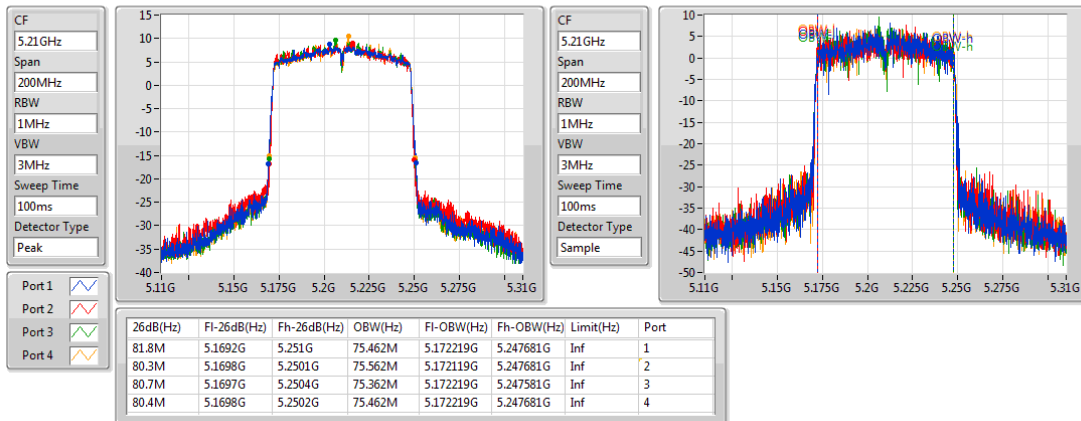


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

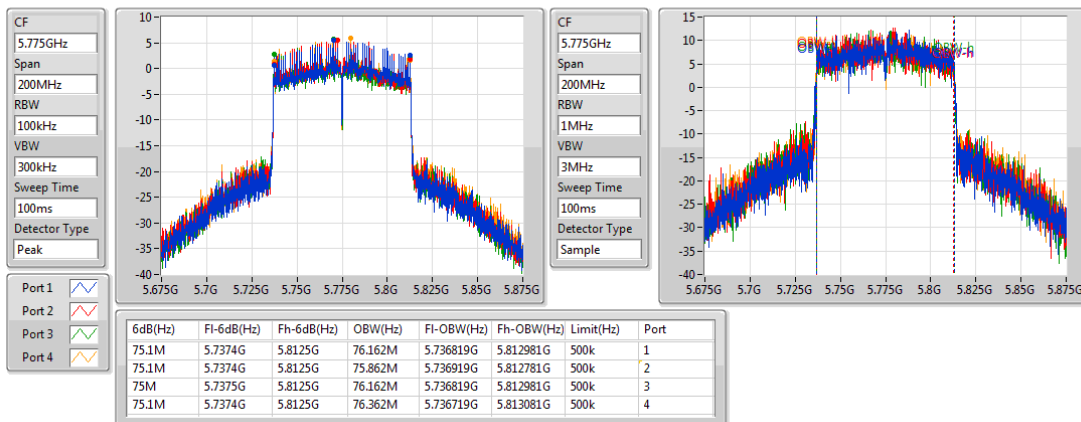
26/10/2018


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

26/10/2018


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

26/10/2018



Mode 2: 4TX/2S
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	32M	17.766M	17M8D1D	19.875M	17.641M
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	63.4M	36.032M	36M0D1D	40M	35.882M
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	81.3M	75.562M	75M6D1D	80.4M	75.462M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	15.125M	19.715M	19M7D1D	13.725M	17.966M
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	35.1M	38.681M	38M7D1D	26.35M	36.432M
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	75.1M	77.461M	77M5D1D	70.2M	76.362M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

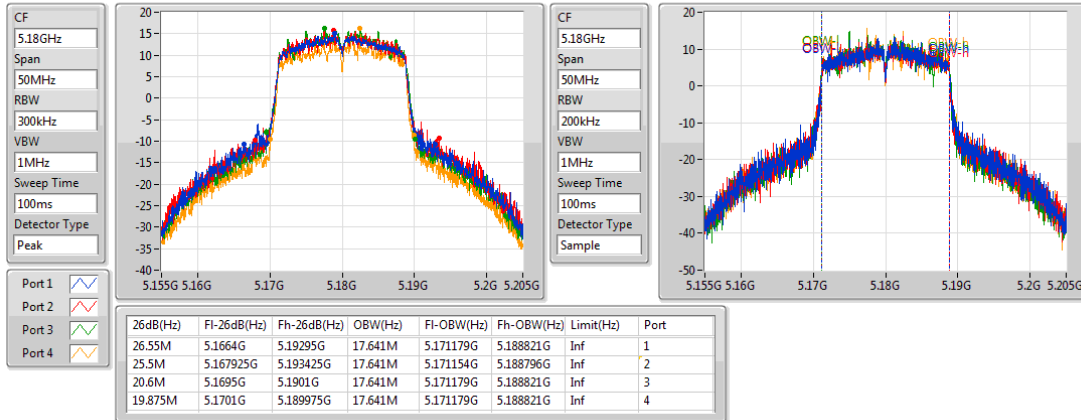
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	26.55M	17.641M	25.5M	17.641M	20.6M	17.641M	19.875M	17.641M
5200MHz	Pass	Inf	26.325M	17.641M	26.6M	17.641M	21.625M	17.666M	19.9M	17.666M
5240MHz	Pass	Inf	30.625M	17.691M	32M	17.766M	24.375M	17.641M	26.75M	17.691M
5745MHz	Pass	500k	15.075M	18.066M	15.075M	18.566M	13.775M	18.166M	15.075M	18.566M
5785MHz	Pass	500k	13.8M	17.966M	15.075M	18.266M	13.725M	18.041M	15.075M	18.691M
5825MHz	Pass	500k	15.05M	18.966M	15.125M	18.066M	13.75M	18.116M	15.075M	19.715M
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	46.05M	35.932M	40.35M	36.032M	40M	35.882M	40.35M	35.982M
5230MHz	Pass	Inf	63.4M	35.982M	45.25M	35.982M	40.3M	35.932M	42.2M	35.932M
5755MHz	Pass	500k	35M	36.582M	35.05M	36.582M	30.05M	36.682M	35.05M	38.681M
5795MHz	Pass	500k	33.8M	36.432M	35.1M	36.482M	26.35M	36.582M	35.05M	38.031M
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.3M	75.462M	80.4M	75.562M	80.7M	75.462M	80.7M	75.562M
5775MHz	Pass	500k	75.1M	76.362M	74.9M	76.562M	70.2M	77.061M	75.1M	77.461M

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

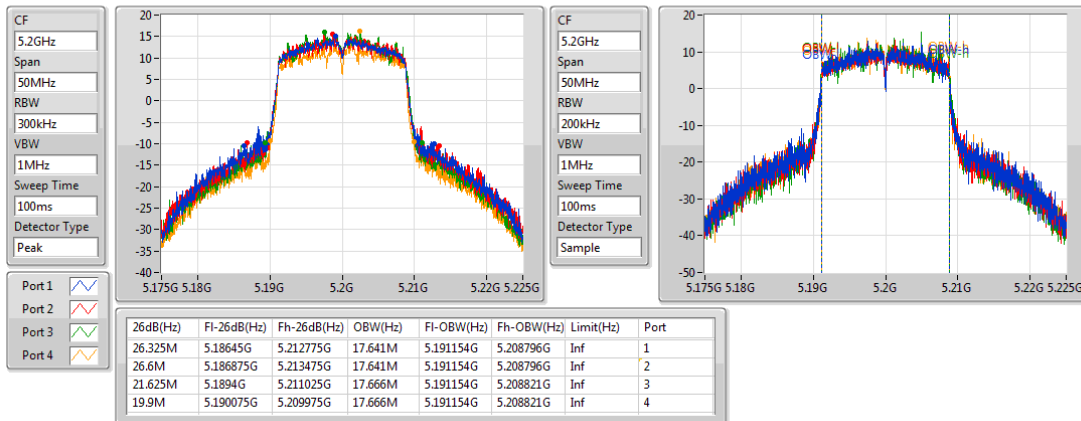
Port X-OBW = Port X 99% occupied bandwidth;

802.11ac VHT20-BF_Nss2,(MCS0)_4TX
EBW
5180MHz

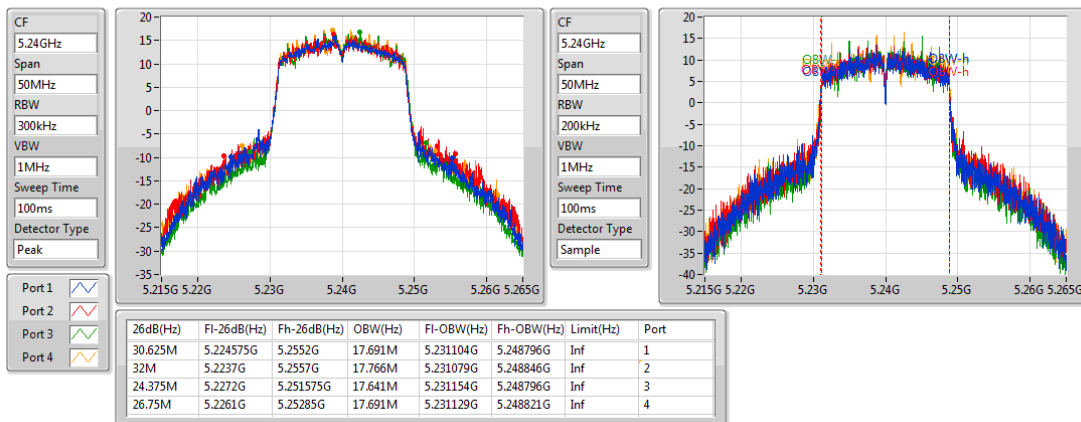
31/10/2018


802.11ac VHT20-BF_Nss2,(MCS0)_4TX
EBW
5200MHz

31/10/2018

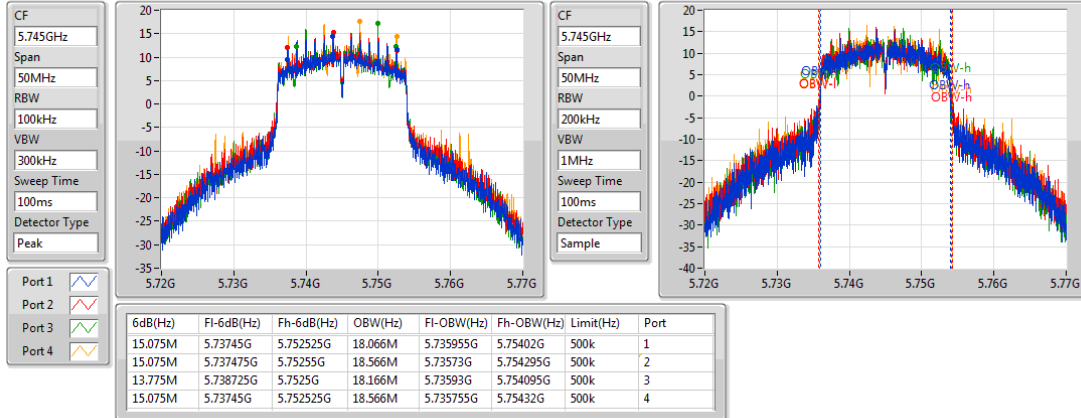

802.11ac VHT20-BF_Nss2,(MCS0)_4TX
EBW
5240MHz

31/10/2018

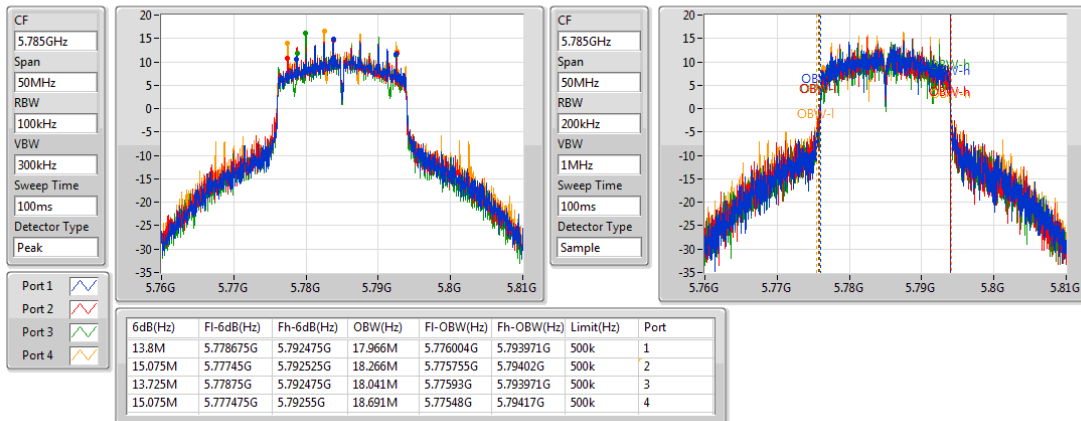


802.11ac VHT20-BF_Nss2,(MCS0)_4TX
EBW
5745MHz

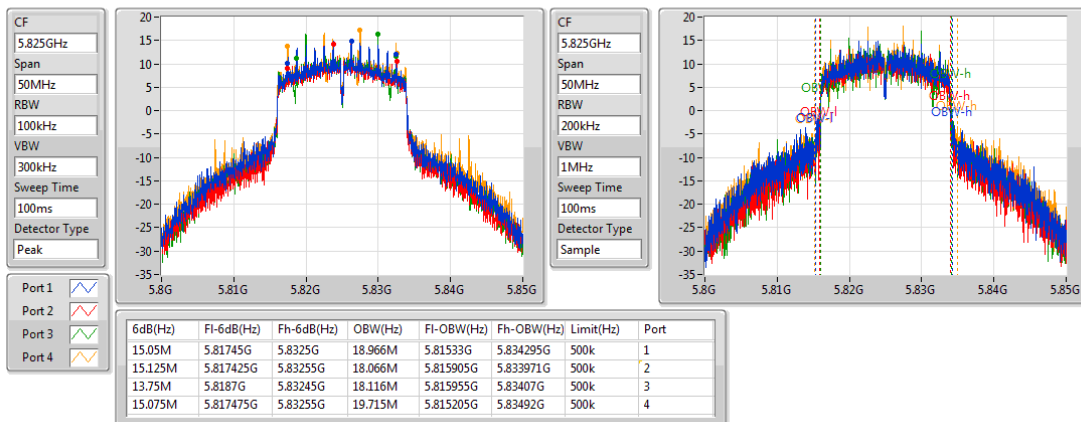
31/10/2018


802.11ac VHT20-BF_Nss2,(MCS0)_4TX
EBW
5785MHz

31/10/2018

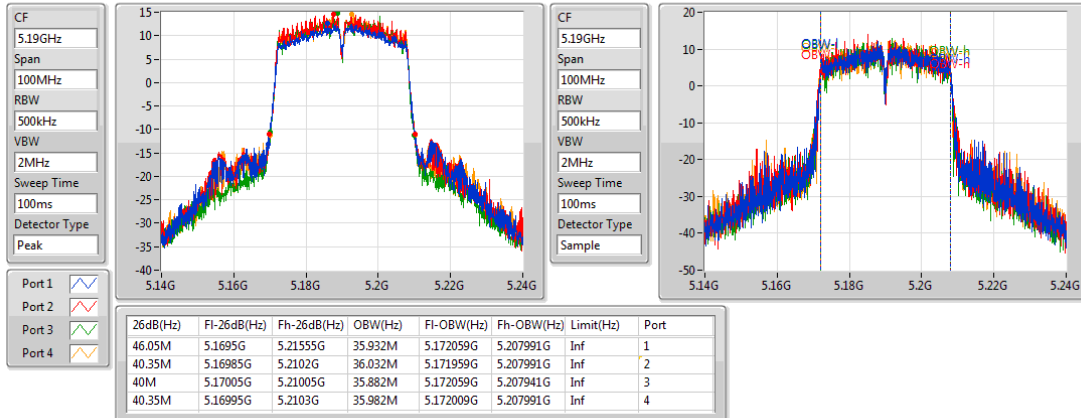

802.11ac VHT20-BF_Nss2,(MCS0)_4TX
EBW
5825MHz

31/10/2018

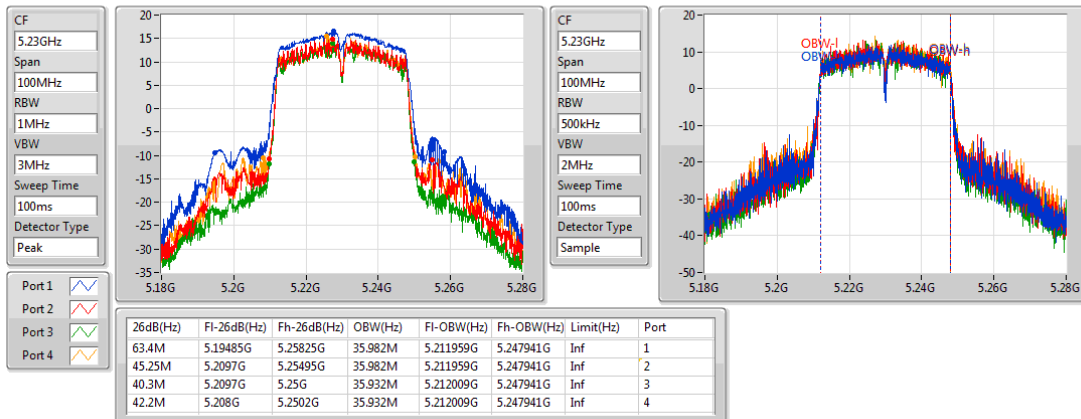


802.11ac VHT40-BF_Nss2,(MCS0)_4TX
EBW
5190MHz

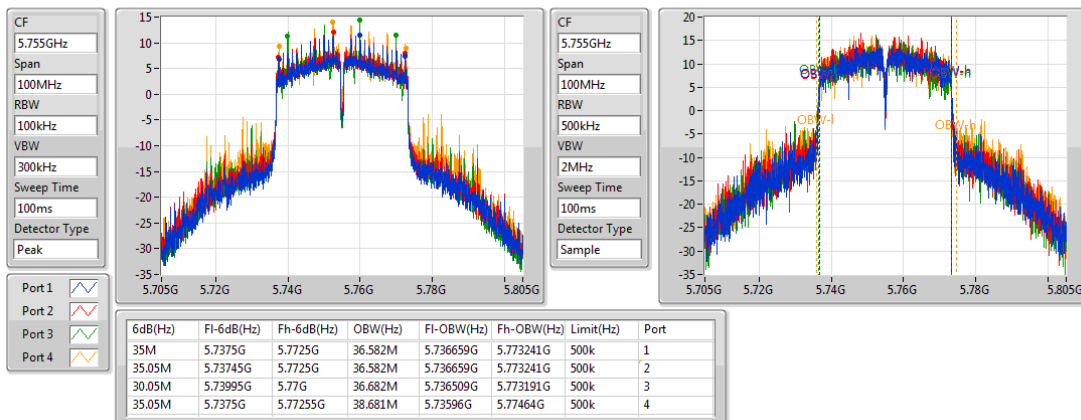
31/10/2018


802.11ac VHT40-BF_Nss2,(MCS0)_4TX
EBW
5230MHz

31/10/2018

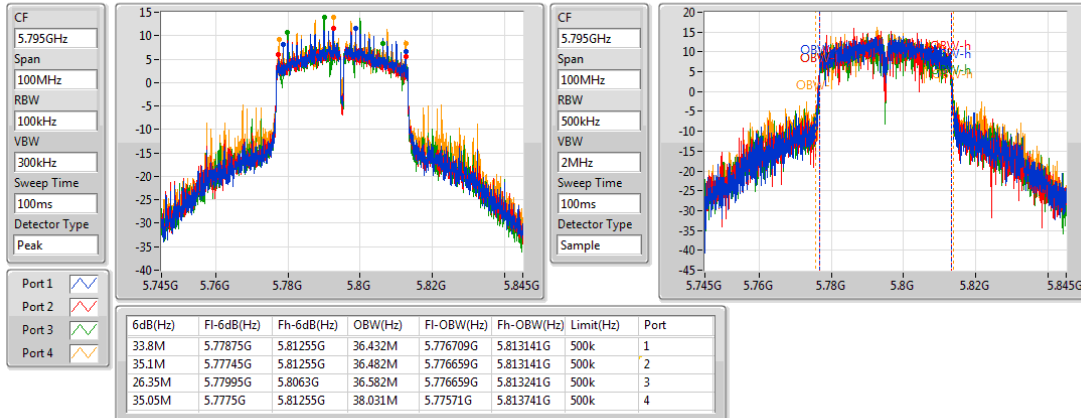

802.11ac VHT40-BF_Nss2,(MCS0)_4TX
EBW
5755MHz

31/10/2018

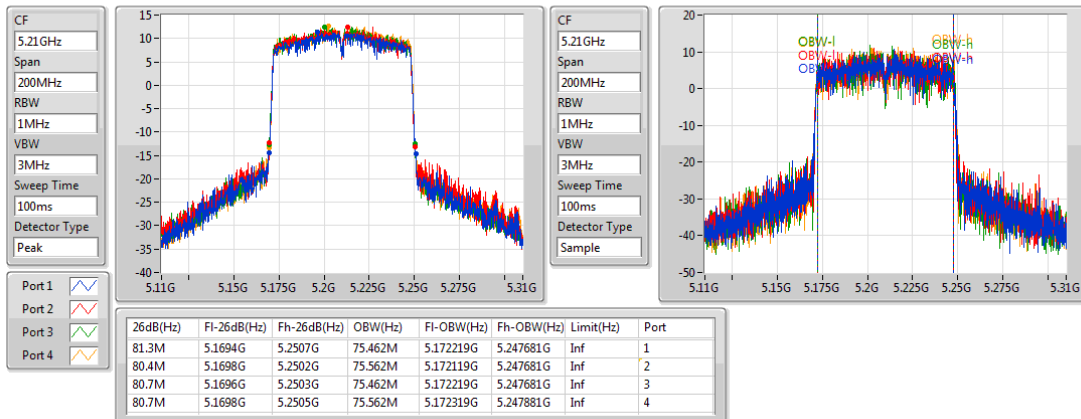


802.11ac VHT40-BF_Nss2,(MCS0)_4TX
EBW
5795MHz

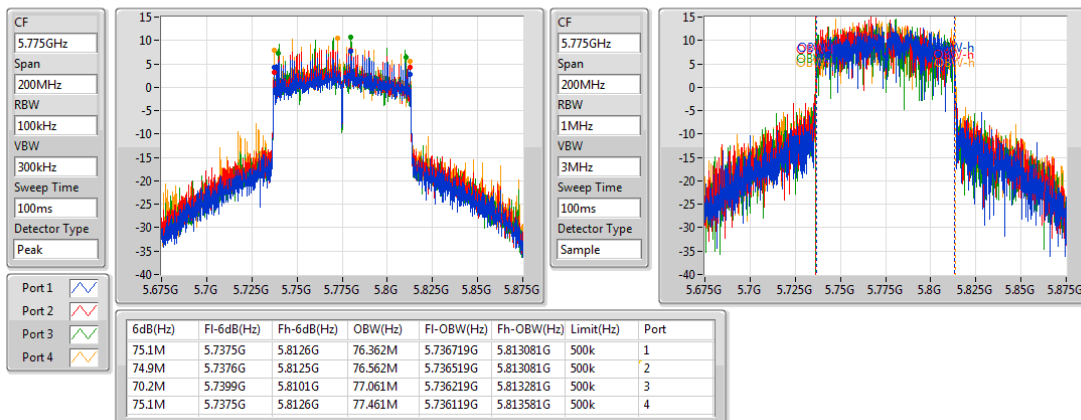
31/10/2018


802.11ac VHT80-BF_Nss2,(MCS0)_4TX
EBW
5210MHz

31/10/2018


802.11ac VHT80-BF_Nss2,(MCS0)_4TX
EBW
5775MHz

31/10/2018



**Mode 1: 4TX/1S****Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	27.19	0.52360
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	27.07	0.50933
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	26.88	0.48753
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	22.38	0.17298
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.95	0.98855
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	27.58	0.57280
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	27.65	0.58210
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	27.19	0.52360

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.82	21.33	20.74	21.45	21.13	27.19	30.00
5200MHz	Pass	2.82	21.41	20.66	21.20	21.30	27.17	30.00
5240MHz	Pass	2.82	21.11	20.60	20.94	21.24	27.00	30.00
5745MHz	Pass	2.82	24.13	23.72	23.69	24.16	29.95	30.00
5785MHz	Pass	2.82	24.59	23.70	23.16	23.89	29.89	30.00
5825MHz	Pass	2.82	23.89	23.39	23.65	24.03	29.77	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.27	21.03	20.95	21.13	21.07	27.07	27.73
5200MHz	Pass	8.27	20.52	20.49	21.03	21.05	26.80	27.73
5240MHz	Pass	8.27	20.16	20.36	20.30	21.03	26.50	27.73
5745MHz	Pass	8.27	21.40	21.13	21.36	21.72	27.43	27.73
5785MHz	Pass	8.27	21.62	21.23	21.04	21.58	27.39	27.73
5825MHz	Pass	8.27	21.73	20.95	21.72	21.80	27.58	27.73
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.27	21.03	20.21	21.06	21.08	26.88	27.73
5230MHz	Pass	8.27	21.05	20.12	20.95	21.08	26.84	27.73
5755MHz	Pass	8.27	21.32	21.21	21.15	21.17	27.23	27.73
5795MHz	Pass	8.27	22.10	21.15	21.47	21.76	27.65	27.73
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.27	16.28	16.56	16.23	16.36	22.38	27.73
5775MHz	Pass	8.27	21.27	21.03	21.06	21.32	27.19	27.73

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



Mode 2: 4TX/2S

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	29.98	0.99541
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	28.82	0.76208
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	26.04	0.40179
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	29.96	0.99083
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	29.97	0.99312
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	29.93	0.98401

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.26	23.22	23.37	23.33	23.19	29.30	30.00
5200MHz	Pass	5.26	23.19	23.19	23.28	23.28	29.26	30.00
5240MHz	Pass	5.26	23.78	24.09	23.91	24.04	29.98	30.00
5745MHz	Pass	5.26	23.80	23.77	23.83	23.82	29.83	30.00
5785MHz	Pass	5.26	24.38	24.36	23.33	23.34	29.90	30.00
5825MHz	Pass	5.26	24.22	24.25	23.62	23.61	29.96	30.00
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.26	21.24	21.36	21.08	21.15	27.23	30.00
5230MHz	Pass	5.26	22.65	22.88	22.59	23.07	28.82	30.00
5755MHz	Pass	5.26	23.92	23.97	23.74	23.76	29.87	30.00
5795MHz	Pass	5.26	24.00	23.87	23.91	24.02	29.97	30.00
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.26	20.02	20.26	19.84	19.95	26.04	30.00
5775MHz	Pass	5.26	24.18	24.15	23.65	23.61	29.93	30.00

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

Mode 1: 4TX/1S
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	14.57
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	14.67
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	12.07
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	4.74
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.78
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	14.40
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	11.55
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	7.49

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.27	8.72	8.11	8.91	8.57	14.55	14.73
5200MHz	Pass	8.27	8.84	7.98	8.76	8.75	14.57	14.73
5240MHz	Pass	8.27	8.63	8.08	8.49	8.69	14.45	14.73
5745MHz	Pass	8.27	10.22	9.55	9.52	10.05	15.78	27.73
5785MHz	Pass	8.27	10.54	9.41	9.06	9.67	15.63	27.73
5825MHz	Pass	8.27	10.11	9.06	9.60	9.84	15.59	27.73
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.27	8.38	8.58	8.87	8.64	14.55	14.73
5200MHz	Pass	8.27	8.83	8.29	8.92	8.87	14.67	14.73
5240MHz	Pass	8.27	8.39	8.11	8.38	8.66	14.35	14.73
5745MHz	Pass	8.27	7.85	7.87	7.96	8.10	13.85	27.73
5785MHz	Pass	8.27	8.36	7.80	7.54	8.22	13.92	27.73
5825MHz	Pass	8.27	8.72	7.88	8.53	8.77	14.40	27.73
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.27	6.43	5.62	6.42	6.23	12.07	14.73
5230MHz	Pass	8.27	6.25	5.69	6.05	6.29	11.98	14.73
5755MHz	Pass	8.27	5.43	5.27	5.44	5.58	11.23	27.73
5795MHz	Pass	8.27	6.17	5.19	5.35	5.73	11.55	27.73
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.27	-1.13	-1.30	-1.14	-1.23	4.74	14.73
5775MHz	Pass	8.27	1.84	1.27	1.29	1.80	7.49	27.73

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

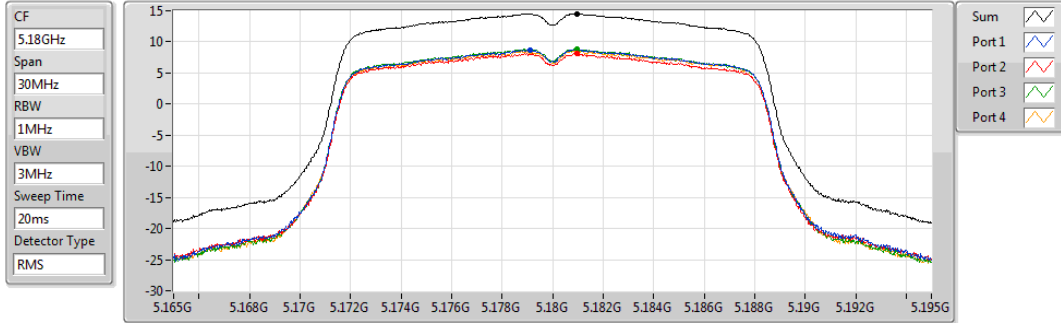
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

26/10/2018



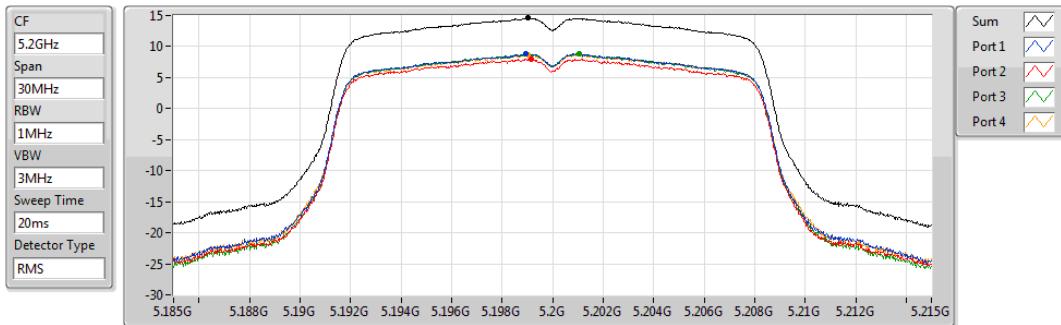
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.55	14.55	8.72	8.11	8.91	8.57

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

26/10/2018



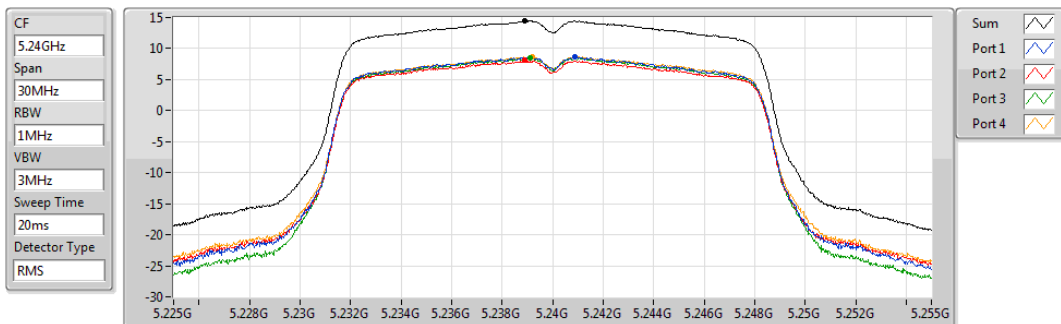
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.57	14.57	8.84	7.98	8.76	8.75

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

26/10/2018



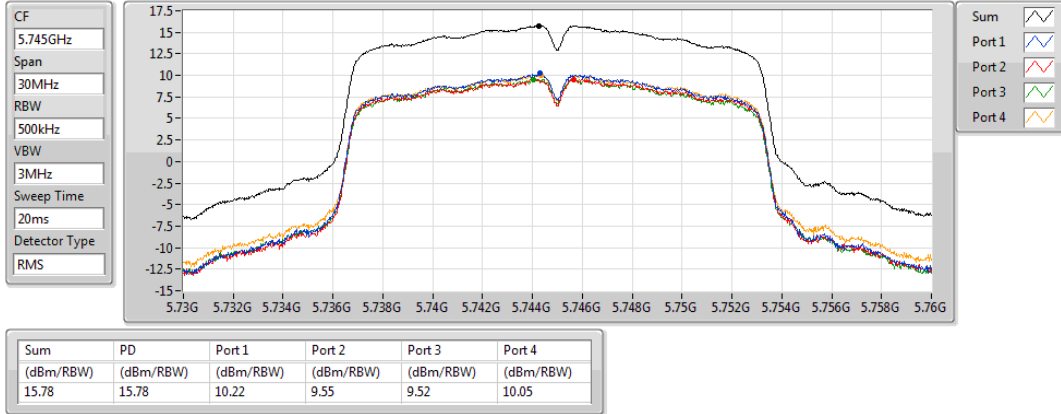
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.45	14.45	8.63	8.08	8.49	8.69

802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

26/10/2018

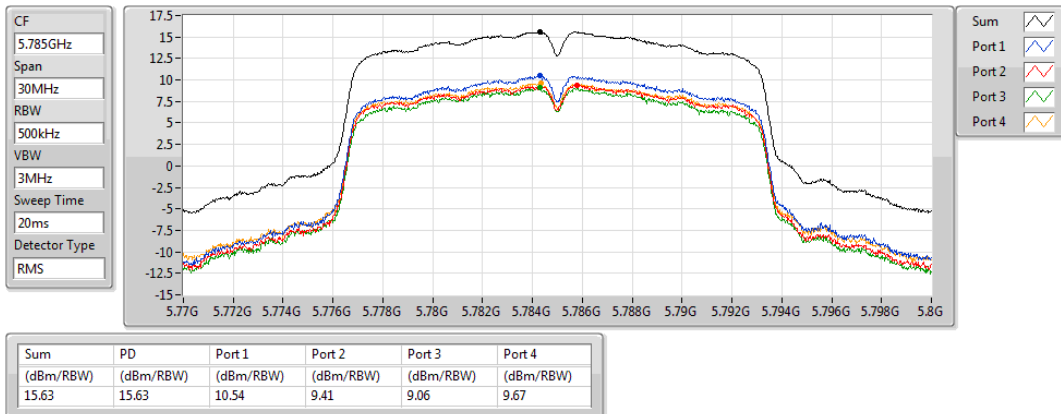


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

26/10/2018

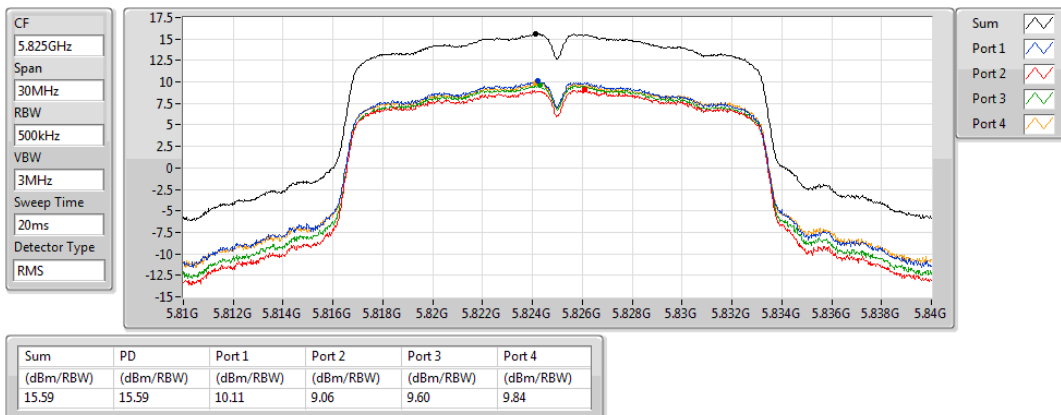


802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

26/10/2018

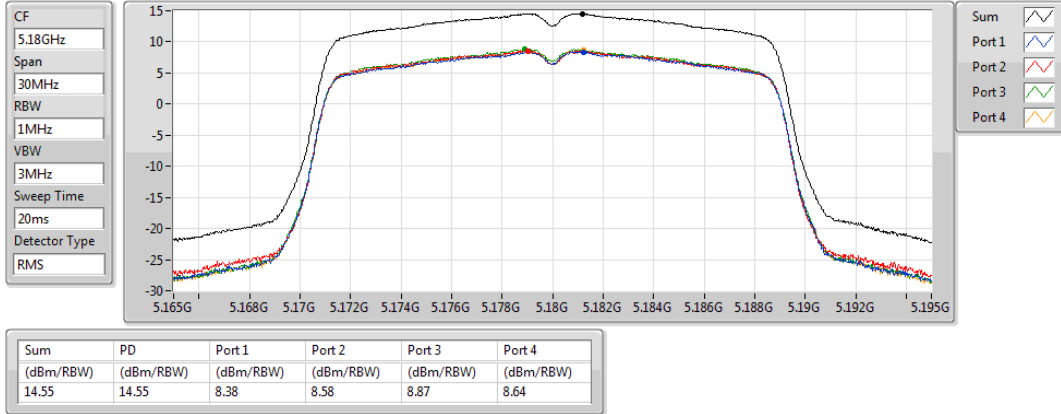


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

26/10/2018

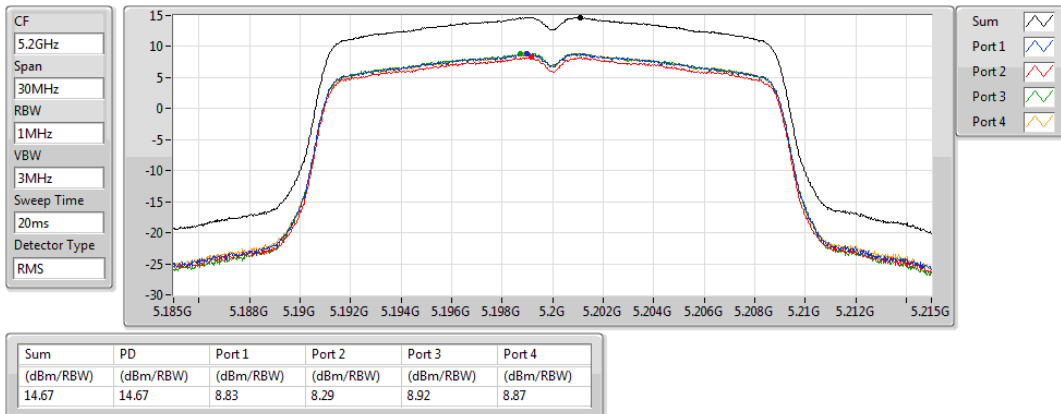


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

26/10/2018

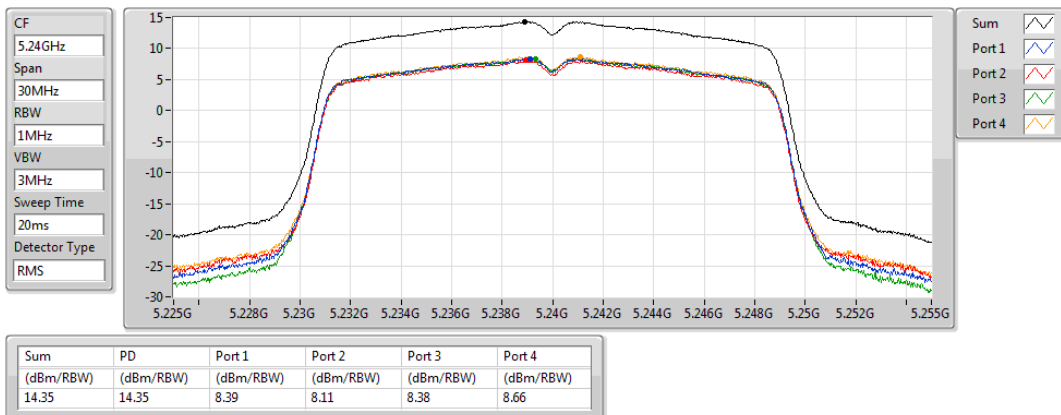


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

26/10/2018

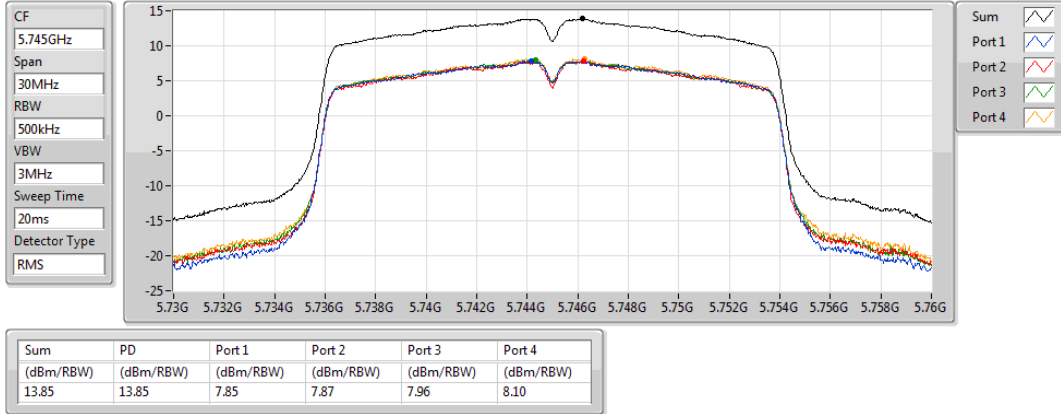


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

26/10/2018

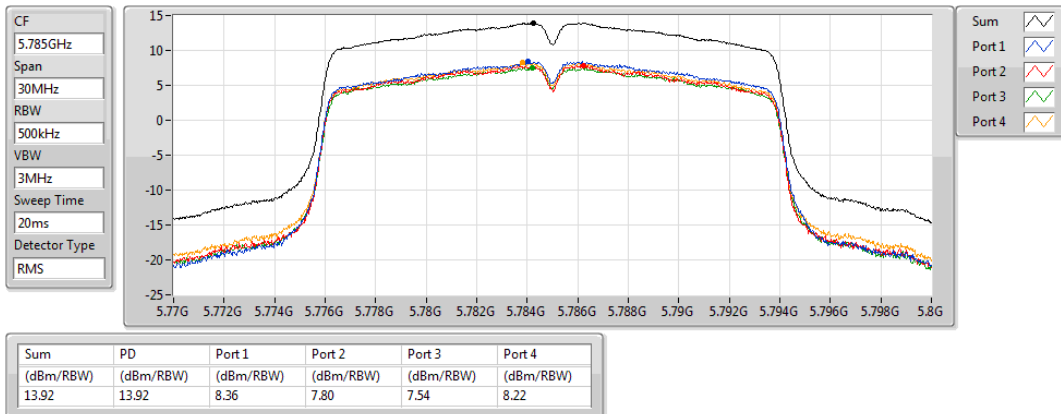


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

26/10/2018

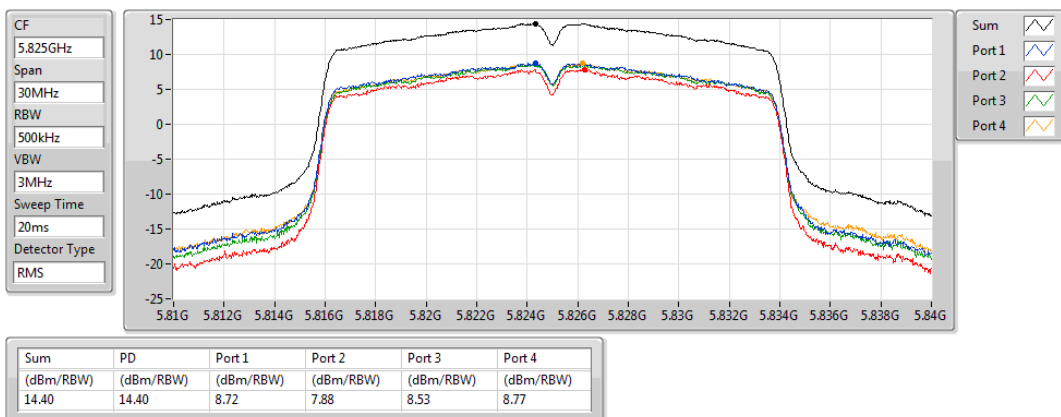


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

26/10/2018

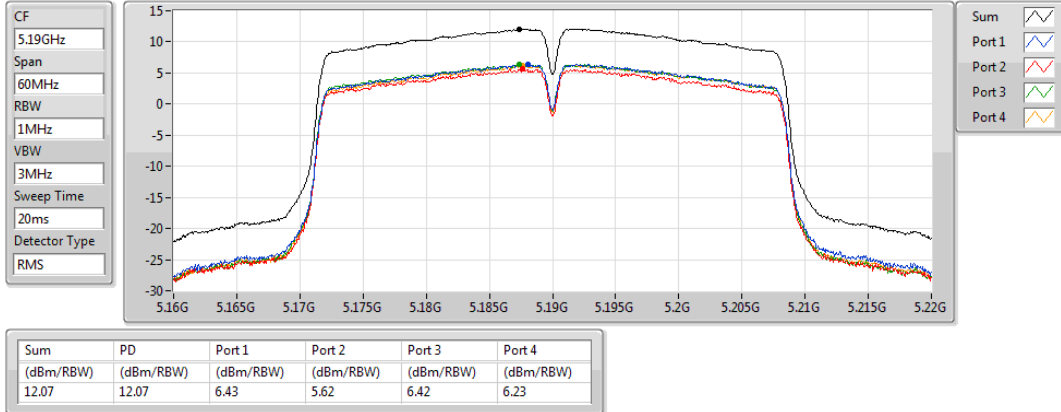


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

26/10/2018

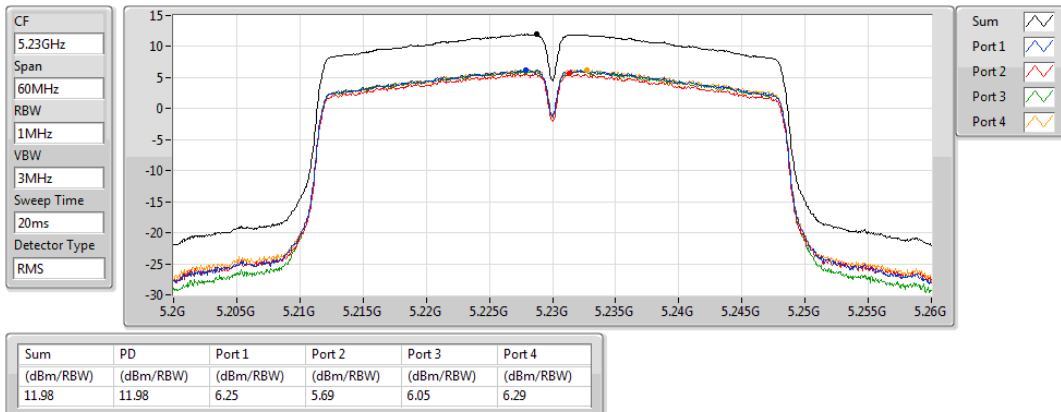


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

26/10/2018

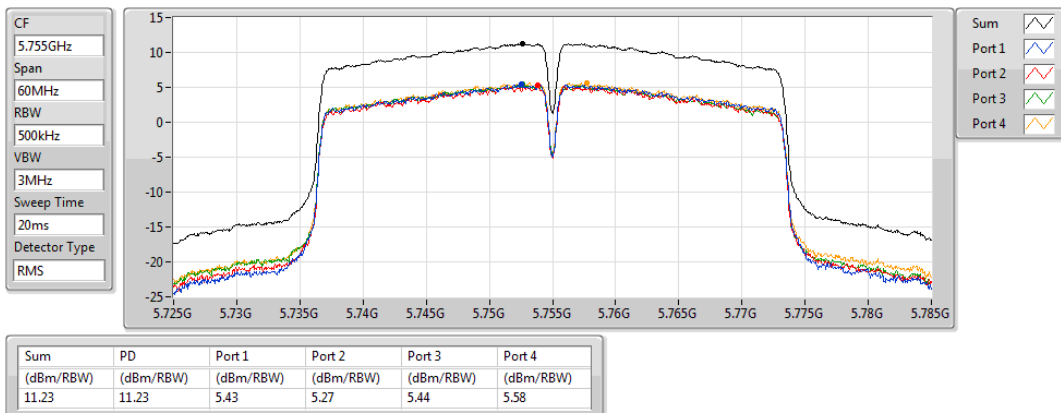


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

26/10/2018

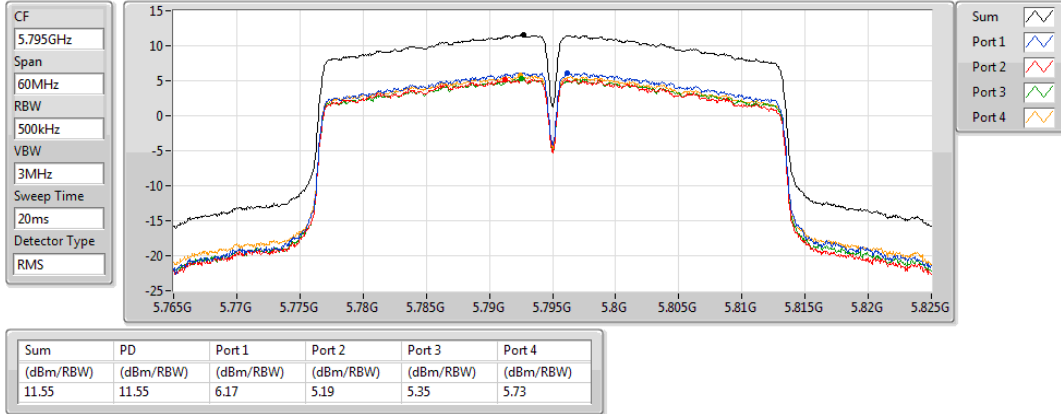


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

26/10/2018

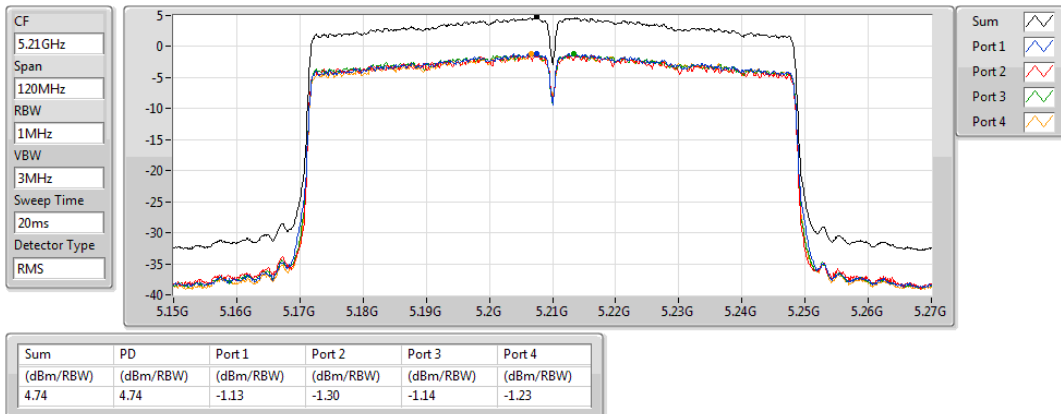


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

26/10/2018

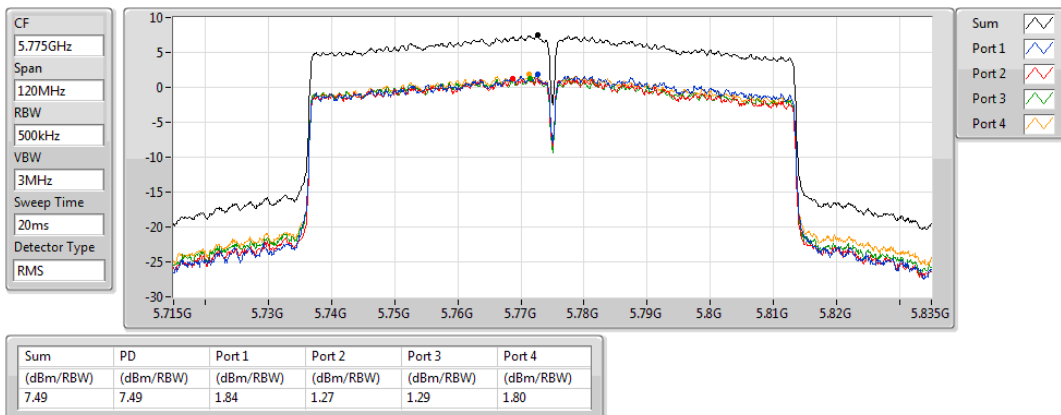


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

26/10/2018



Mode 2: 4TX/2S
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	16.85
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	12.81
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	5.21
5.725-5.85GHz	-
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	18.38
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	15.62
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	9.00

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.26	10.74	10.65	11.08	10.78	16.62	17.00
5200MHz	Pass	5.26	11.03	10.82	11.40	10.99	16.85	17.00
5240MHz	Pass	5.26	10.64	10.84	11.27	10.92	16.66	17.00
5745MHz	Pass	5.26	12.26	12.67	12.73	12.77	18.38	30.00
5785MHz	Pass	5.26	12.62	12.51	11.92	12.56	18.27	30.00
5825MHz	Pass	5.26	12.29	11.79	12.22	12.30	17.87	30.00
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.26	6.39	6.38	6.56	7.17	12.28	17.00
5230MHz	Pass	5.26	6.89	7.02	6.80	7.81	12.81	17.00
5755MHz	Pass	5.26	9.30	10.12	9.54	10.93	15.62	30.00
5795MHz	Pass	5.26	9.43	9.53	8.80	10.22	15.41	30.00
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.26	-0.54	-0.42	-0.13	-0.10	5.21	17.00
5775MHz	Pass	5.26	2.90	3.66	4.11	3.89	9.00	30.00

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

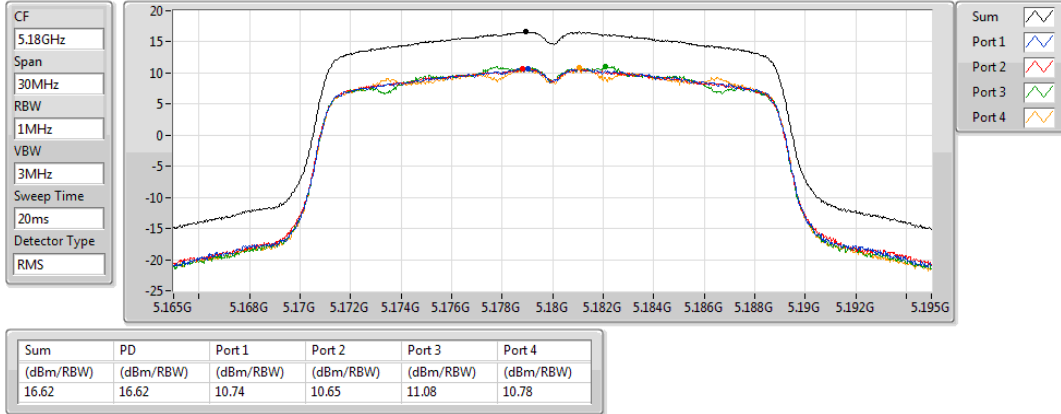
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

PSD

5180MHz

31/10/2018

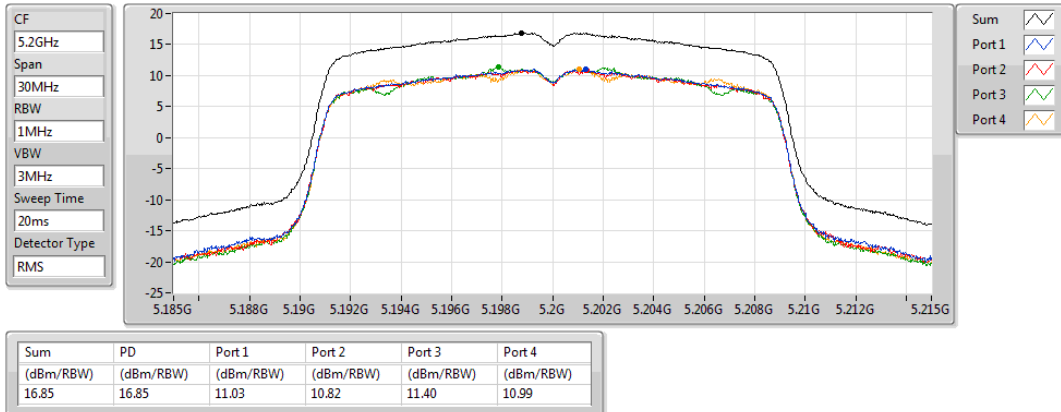


802.11ac VHT20-BF_Nss2,(MCS0)_4TX

PSD

5200MHz

31/10/2018

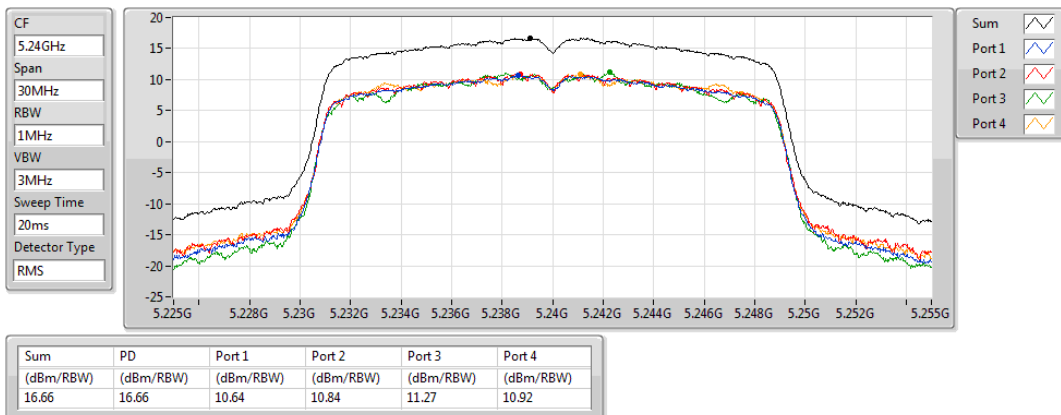


802.11ac VHT20-BF_Nss2,(MCS0)_4TX

PSD

5240MHz

31/10/2018

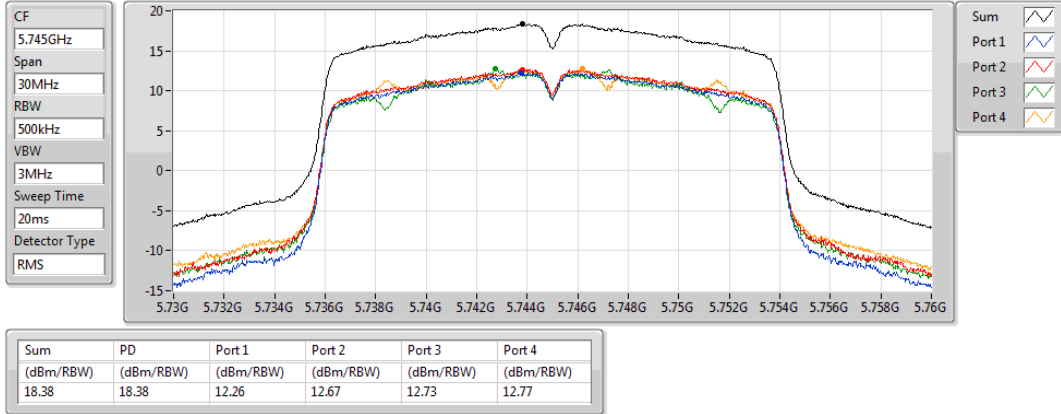


802.11ac VHT20-BF_Nss2,(MCS0)_4TX

PSD

5745MHz

31/10/2018

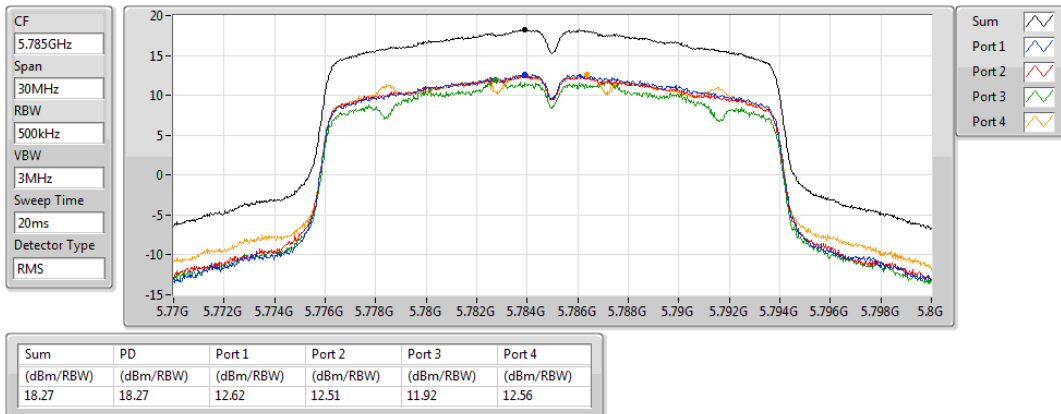


802.11ac VHT20-BF_Nss2,(MCS0)_4TX

PSD

5785MHz

31/10/2018

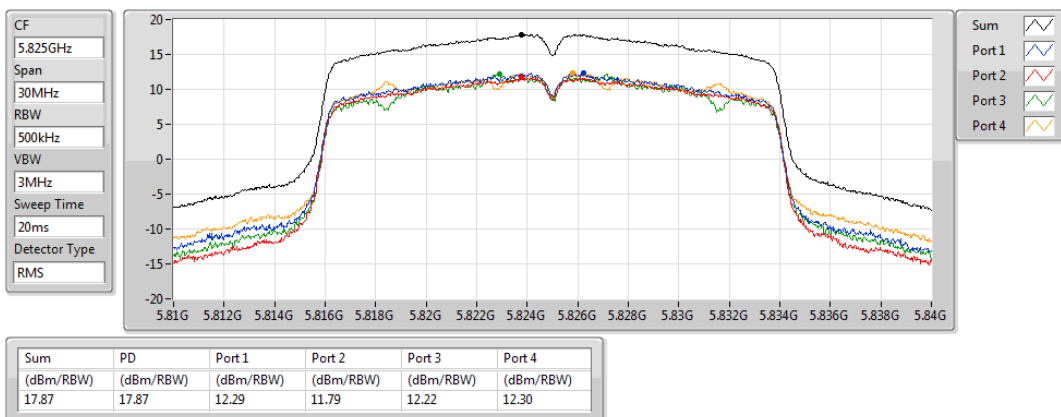


802.11ac VHT20-BF_Nss2,(MCS0)_4TX

PSD

5825MHz

31/10/2018

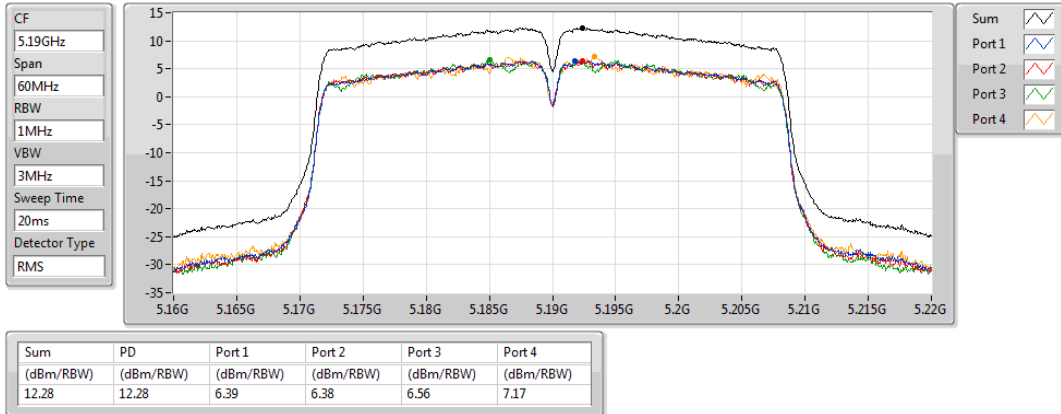


802.11ac VHT40-BF_Nss2,(MCS0)_4TX

PSD

5190MHz

31/10/2018

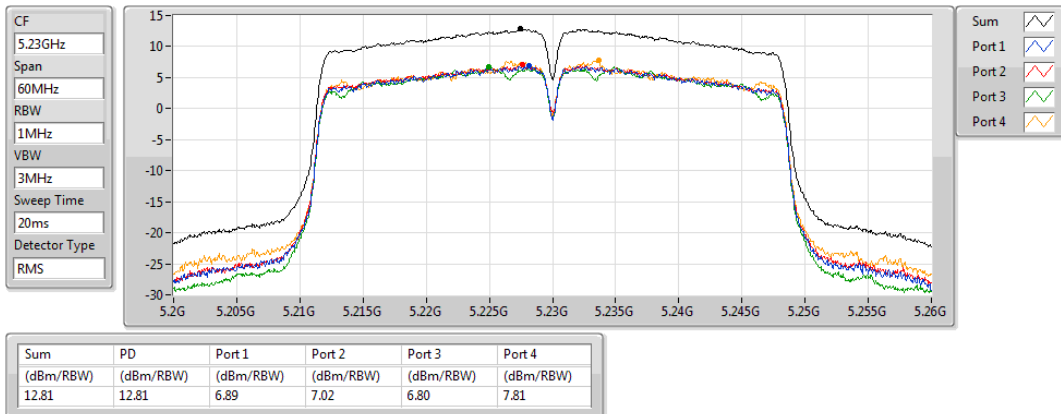


802.11ac VHT40-BF_Nss2,(MCS0)_4TX

PSD

5230MHz

31/10/2018

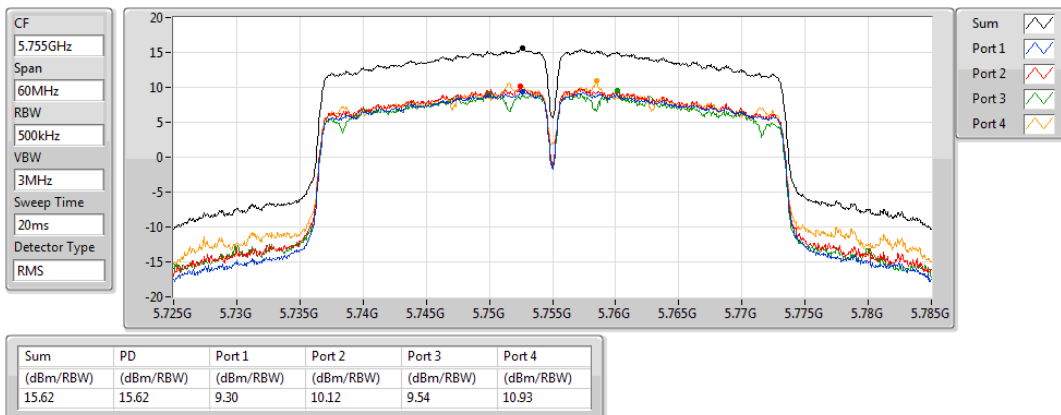


802.11ac VHT40-BF_Nss2,(MCS0)_4TX

PSD

5755MHz

31/10/2018

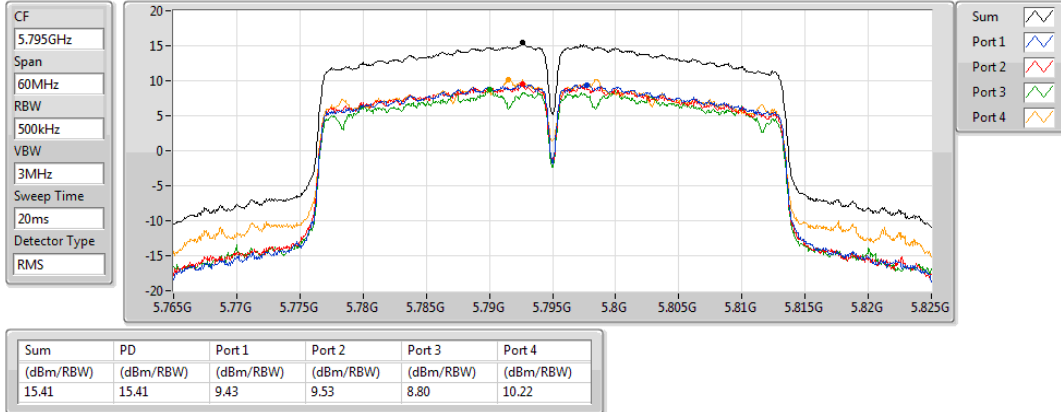


802.11ac VHT40-BF_Nss2,(MCS0)_4TX

PSD

5795MHz

31/10/2018

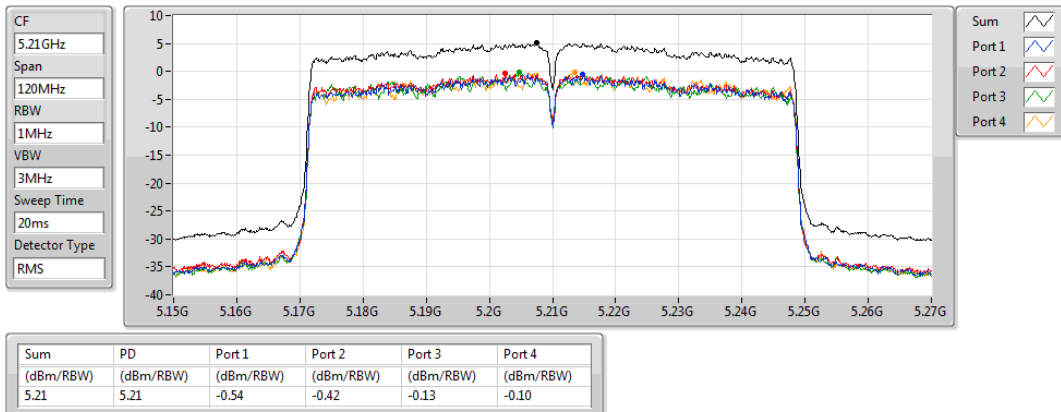


802.11ac VHT80-BF_Nss2,(MCS0)_4TX

PSD

5210MHz

31/10/2018

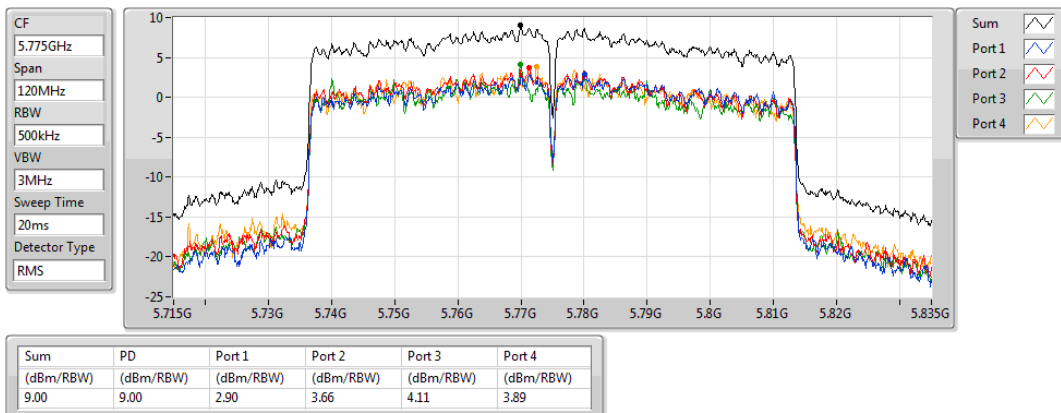


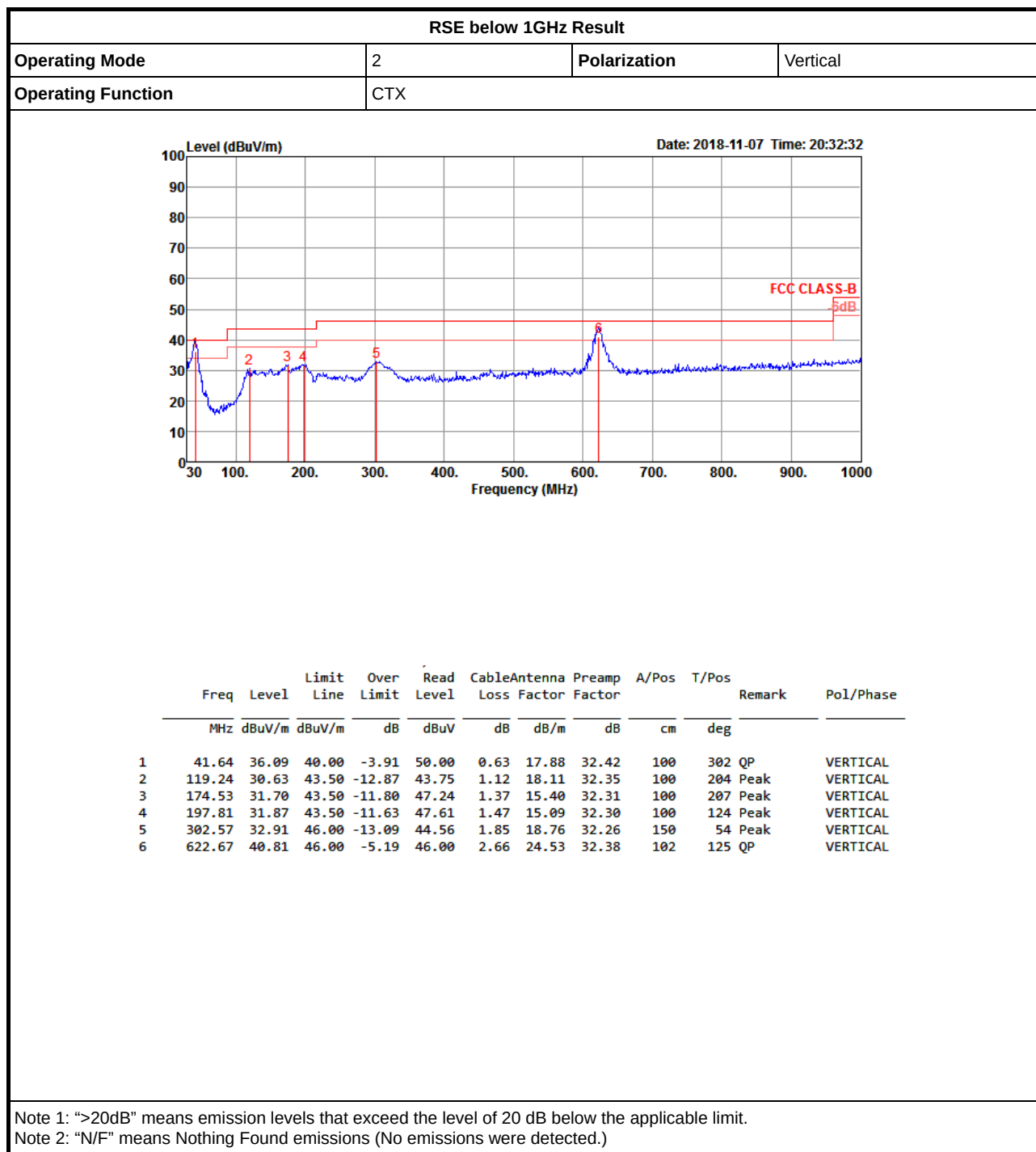
802.11ac VHT80-BF_Nss2,(MCS0)_4TX

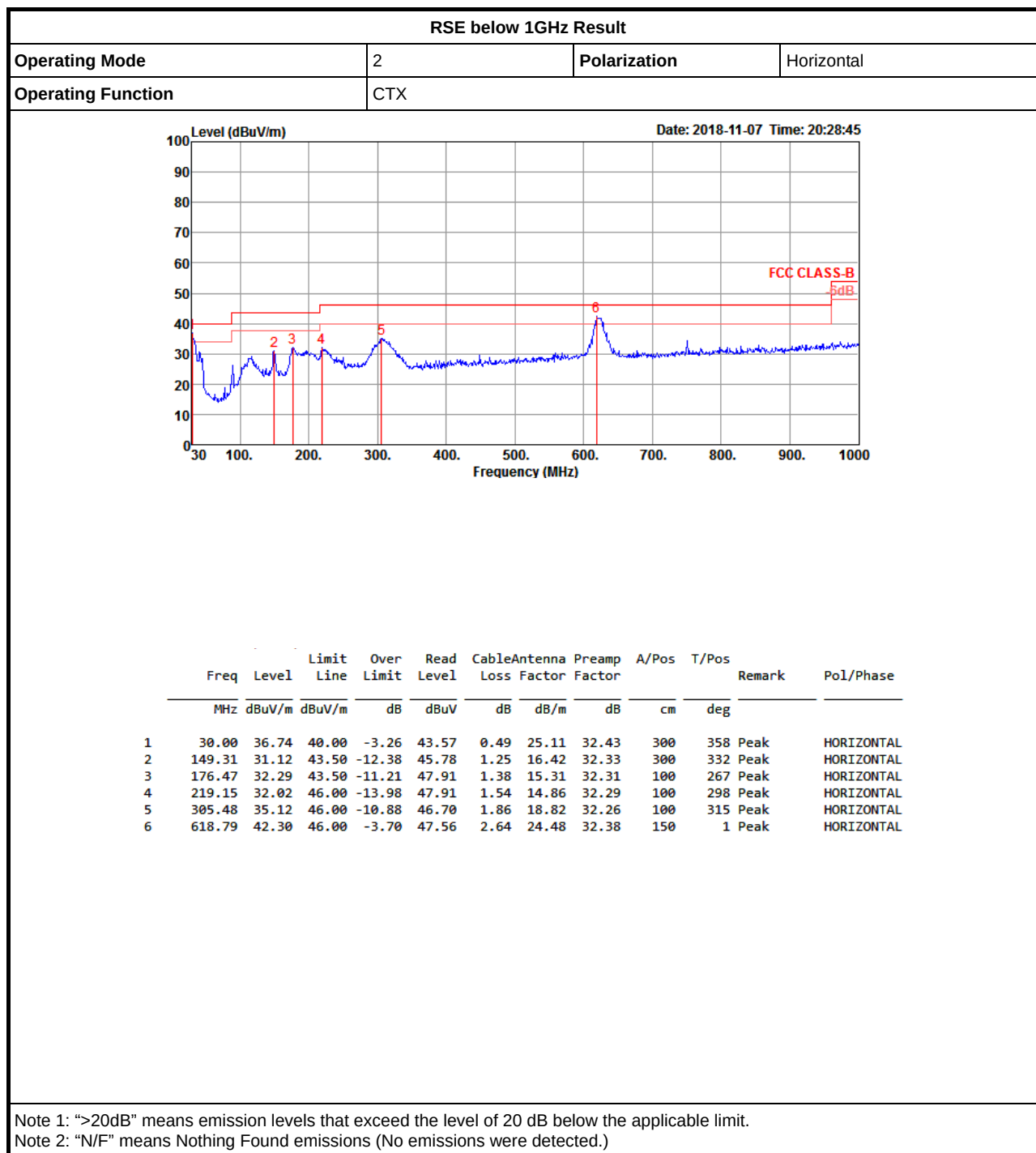
PSD

5775MHz

31/10/2018







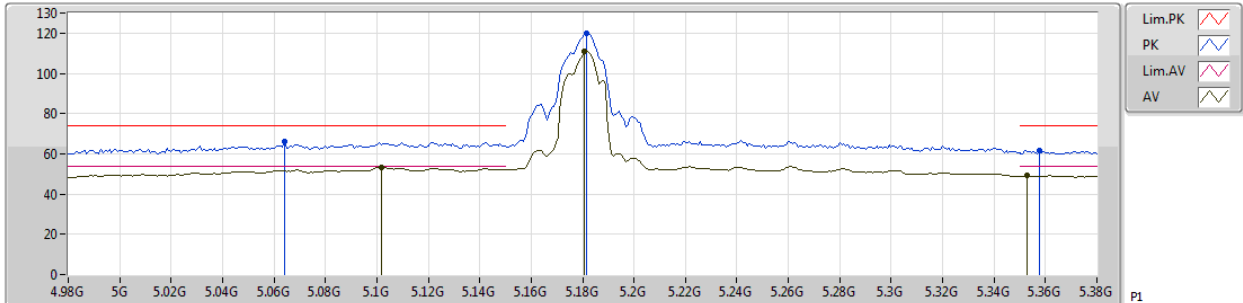
**Mode 1: 4TX/1S****Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_4TX	Pass	AV	5.1232G	53.89	54.00	-0.11	8.52	3	Vertical	170	1.47	-

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5180MHz_TX



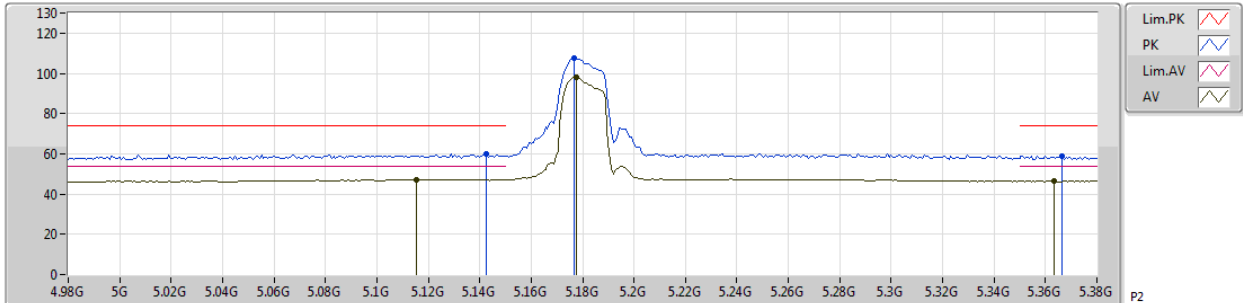
EUT_Z_4TX
Setting 1D
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.064G	66.17	74.00	-7.83	8.40	3	Vertical	277	1.95	-
AV	5.1016G	53.39	54.00	-0.61	8.48	3	Vertical	277	1.95	-
PK	5.1816G	119.96	Inf	-Inf	8.63	3	Vertical	277	1.95	-
AV	5.1808G	110.77	Inf	-Inf	8.63	3	Vertical	277	1.95	-
PK	5.3576G	61.47	74.00	-12.53	8.89	3	Vertical	277	1.95	-
AV	5.3528G	49.09	54.00	-4.91	8.89	3	Vertical	277	1.95	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5180MHz_TX



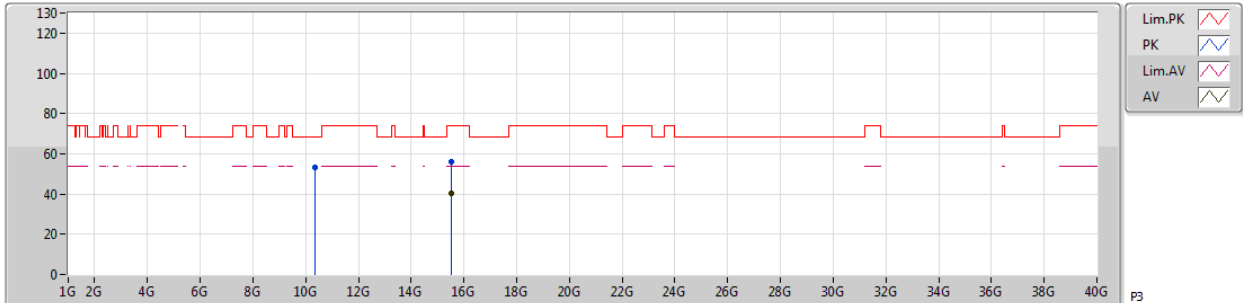
EUT_Z_4TX
Setting 1D
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1424G	59.84	74.00	-14.16	8.56	3	Horizontal	300	1.49	-
AV	5.1152G	47.22	54.00	-6.78	8.51	3	Horizontal	300	1.49	-
PK	5.1768G	107.65	Inf	-Inf	8.62	3	Horizontal	300	1.49	-
AV	5.1776G	97.93	Inf	-Inf	8.63	3	Horizontal	300	1.49	-
PK	5.3664G	59.02	74.00	-14.98	8.90	3	Horizontal	300	1.49	-
AV	5.3632G	46.58	54.00	-7.42	8.90	3	Horizontal	300	1.49	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5180MHz_TX



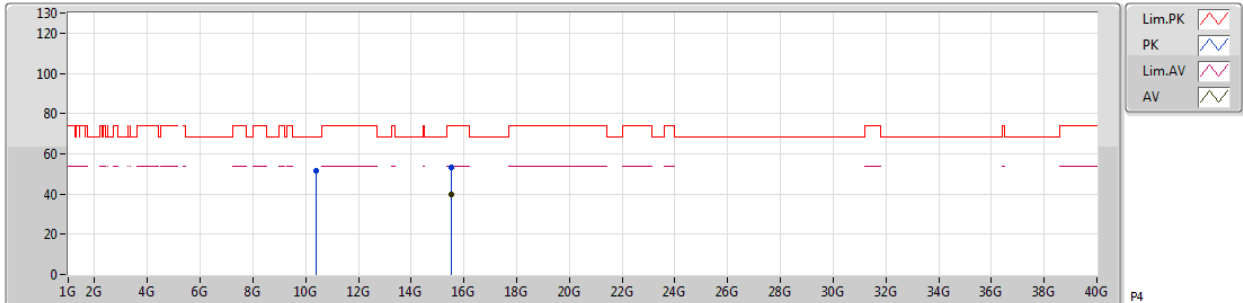
EUT_Z_4TX
Setting 1D
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	10.36176G	53.36	68.20	-14.84	12.81	3	Vertical	1	2.25	-
PK	15.5372G	55.87	74.00	-18.13	14.03	3	Vertical	109	1.34	-
AV	15.53684G	40.52	54.00	-13.48	14.03	3	Vertical	109	1.34	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5180MHz_TX



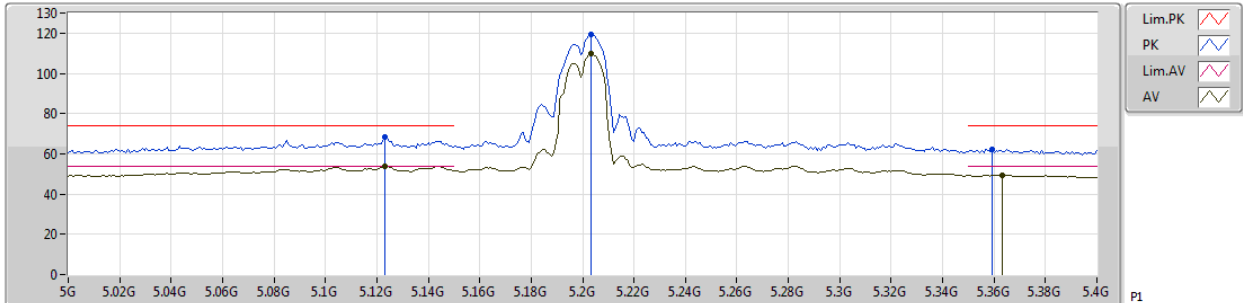
EUT_Z_4TX
Setting 1D
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments								
PK	10.37976G	51.67	68.20	-16.53	12.80	3	Horizontal	279	1.81	-								
PK	15.5394G	53.38	74.00	-20.62	14.02	3	Horizontal	319	2.91	-								
AV	15.5388G	39.90	54.00	-14.10	14.02	3	Horizontal	319	2.91	-								

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5200MHz_TX



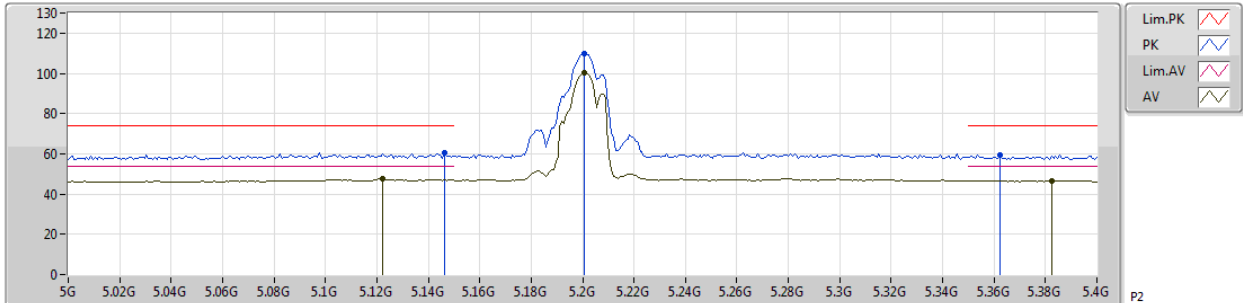
EUT_Z_4TX
Setting 18
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1232G	68.44	74.00	-5.56	8.52	3	Vertical	170	1.47	-
AV	5.1232G	53.89	54.00	-0.11	8.52	3	Vertical	170	1.47	-
PK	5.2032G	119.27	Inf	-Inf	8.66	3	Vertical	170	1.47	-
AV	5.2032G	109.75	Inf	-Inf	8.66	3	Vertical	170	1.47	-
PK	5.3592G	62.20	74.00	-11.80	8.90	3	Vertical	170	1.47	-
AV	5.3632G	49.58	54.00	-4.42	8.90	3	Vertical	170	1.47	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5200MHz_TX



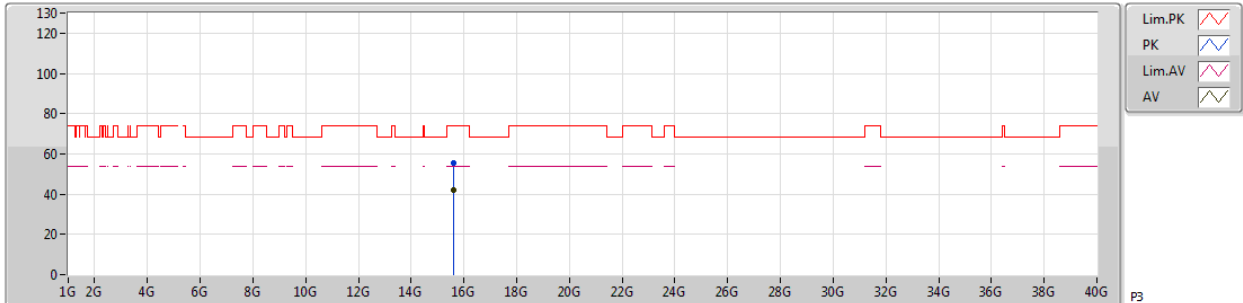
EUT_Z_4TX
Setting 18
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1464G	60.54	74.00	-13.46	8.56	3	Horizontal	50	2.27	-
AV	5.1224G	47.44	54.00	-6.56	8.51	3	Horizontal	50	2.27	-
PK	5.2008G	109.56	Inf	-Inf	8.66	3	Horizontal	50	2.27	-
AV	5.2008G	100.26	Inf	-Inf	8.66	3	Horizontal	50	2.27	-
PK	5.3624G	59.27	74.00	-14.73	8.90	3	Horizontal	50	2.27	-
AV	5.3824G	46.62	54.00	-7.38	8.93	3	Horizontal	50	2.27	-

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5200MHz_TX



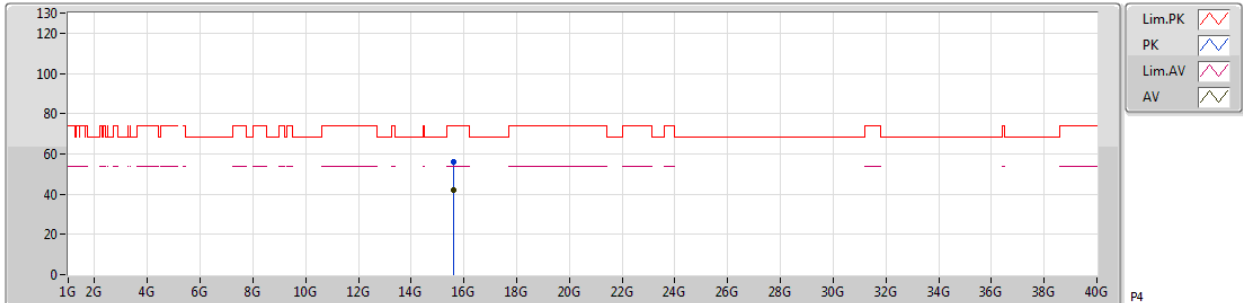
EUT_Z_4TX
Setting 18
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.59836G	55.59	74.00	-18.41	15.80	3	Vertical	127	1.12	-
AV	15.60064G	42.02	54.00	-11.98	15.80	3	Vertical	127	1.12	-

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5200MHz_TX



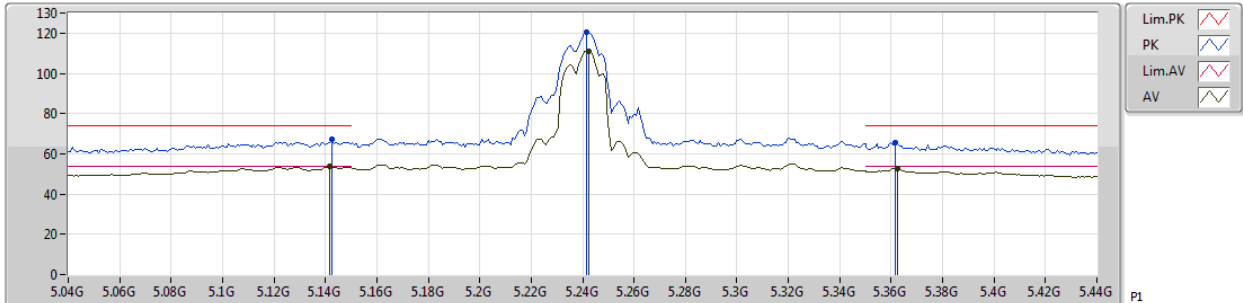
EUT_Z_4TX
Setting 18
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments							
PK	15.59608G	55.78	74.00	-18.22	15.90	3	Horizontal	127	2.37	-							
AV	15.5976G	41.90	54.00	-12.10	15.90	3	Horizontal	127	2.37	-							

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5240MHz_TX



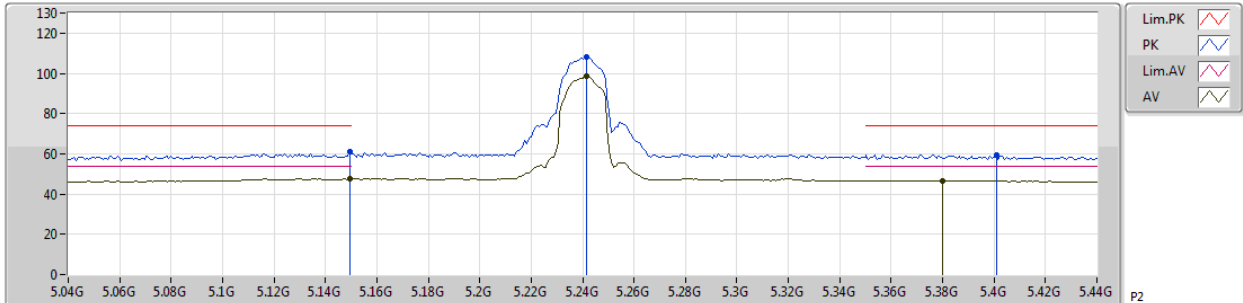
EUT_Z_4TX
Setting 1F
02-M-1-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)									
PK	5.1424G	67.05	74.00	-6.95	8.56	3	Vertical	170	1.76	-								
AV	5.1416G	53.54	54.00	-0.46	8.56	3	Vertical	170	1.76	-								
PK	5.2416G	120.70	Inf	-Inf	8.72	3	Vertical	170	1.76	-								
AV	5.2424G	111.01	Inf	-Inf	8.72	3	Vertical	170	1.76	-								
PK	5.3616G	65.36	74.00	-8.64	8.90	3	Vertical	170	1.76	-								
AV	5.3624G	52.59	54.00	-1.41	8.90	3	Vertical	170	1.76	-								

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5240MHz_TX



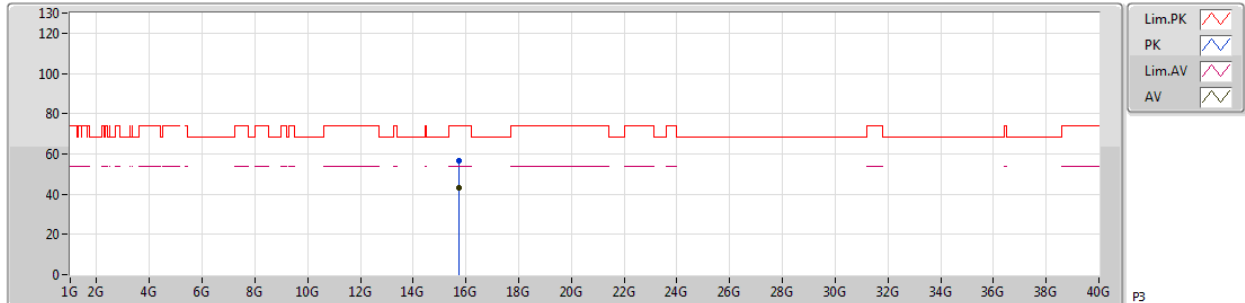
EUT_Z_4TX
Setting 1F
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1496G	60.83	74.00	-13.17	8.56	3	Horizontal	266	1.50	-
AV	5.1496G	47.62	54.00	-6.38	8.56	3	Horizontal	266	1.50	-
PK	5.2416G	108.00	Inf	-Inf	8.72	3	Horizontal	266	1.50	-
AV	5.2416G	98.66	Inf	-Inf	8.72	3	Horizontal	266	1.50	-
PK	5.4008G	59.61	74.00	-14.39	8.95	3	Horizontal	266	1.50	-
AV	5.38G	46.75	54.00	-7.25	8.93	3	Horizontal	266	1.50	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5240MHz_TX



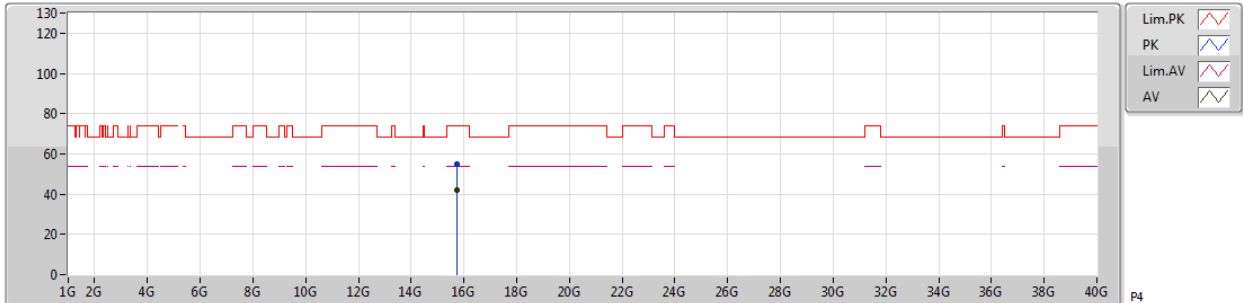
EUT_Z_4TX
Setting 1F
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.71792G	56.78	74.00	-17.22	15.60	3	Vertical	91	1.50	-
AV	15.71856G	43.07	54.00	-10.93	15.60	3	Vertical	91	1.50	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5240MHz_TX



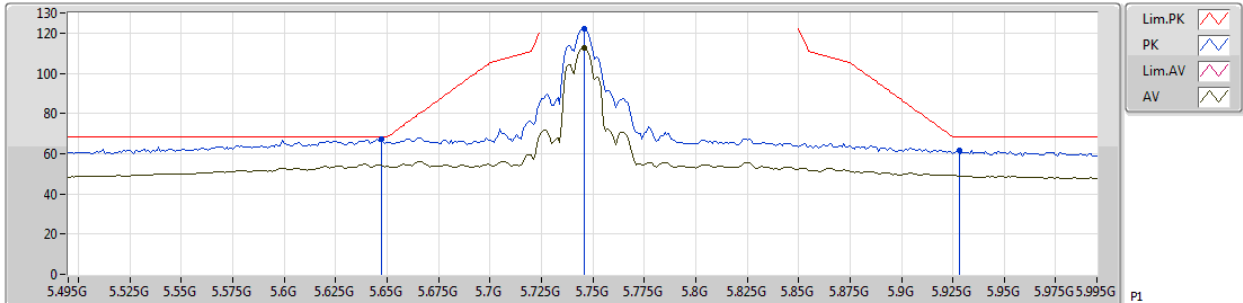
EUT_Z_4TX
Setting 1F
02-M-1
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.73512G	55.14	74.00	-18.86	15.56	3	Horizontal	86	2.72	-
AV	15.72336G	41.94	54.00	-12.06	15.58	3	Horizontal	86	2.72	-

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5745MHz_TX



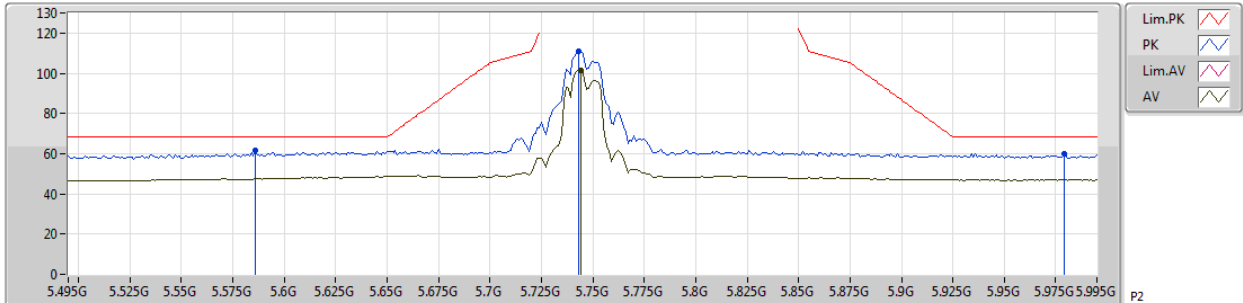
EUT_Z_4TX
Setting 23
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.647G	67.16	68.20	-1.04	9.30	3	Vertical	129	1.68	-
PK	5.746G	121.91	Inf	-Inf	9.32	3	Vertical	129	1.68	-
AV	5.746G	112.72	Inf	-Inf	9.32	3	Vertical	129	1.68	-
PK	5.928G	61.84	68.20	-6.36	9.45	3	Vertical	129	1.68	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5745MHz_TX



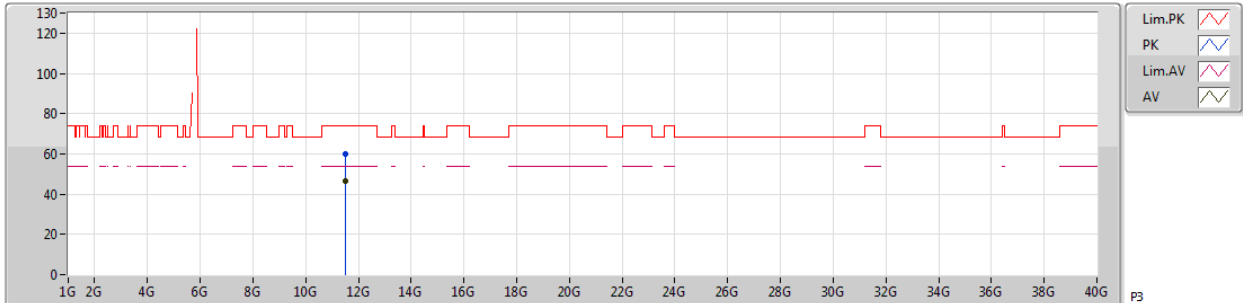
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Setting 23
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.586G	61.59	68.20	-6.61	9.27	3	Horizontal	341	1.28	-
PK	5.743G	110.94	Inf	-Inf	9.32	3	Horizontal	341	1.28	-
AV	5.744G	101.30	Inf	-Inf	9.32	3	Horizontal	341	1.28	-
PK	5.979G	59.90	68.20	-8.30	9.50	3	Horizontal	341	1.28	-

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5745MHz_TX



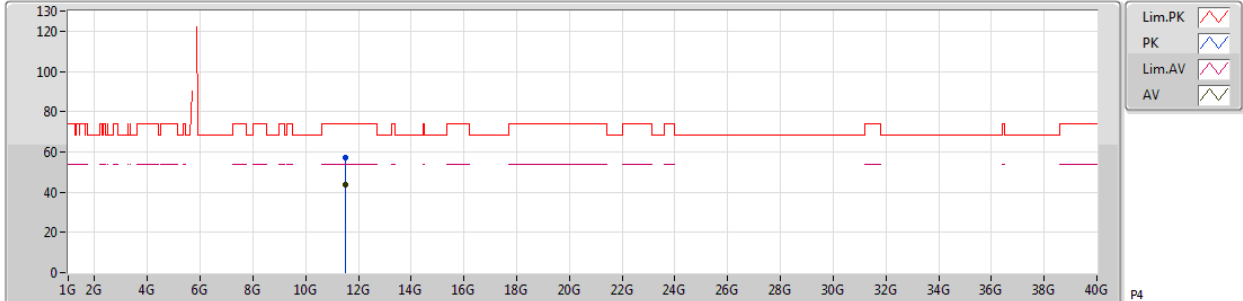
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Setting 23
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments								
PK	11.49192G	60.05	74.00	-13.95	14.66	3	Vertical	343	2.63	-								
AV	11.49168G	46.34	54.00	-7.66	14.66	3	Vertical	343	2.63	-								

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5745MHz_TX



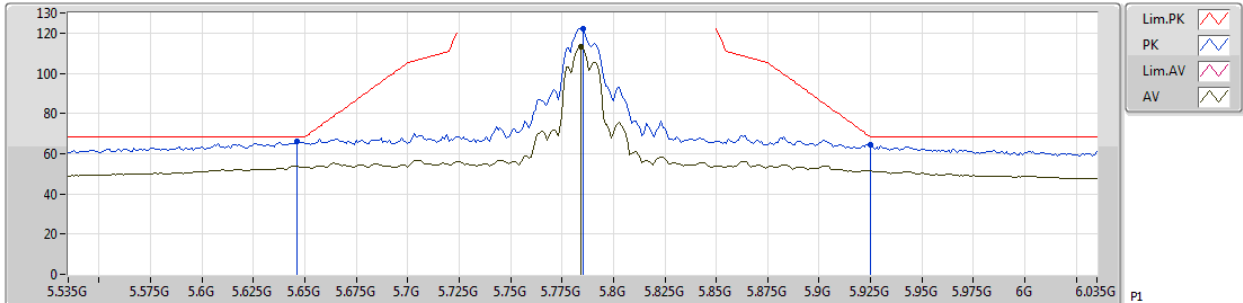
EUT_Z_4TX
Setting 23
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.4884G	57.40	74.00	-16.60	14.66	3	Horizontal	87	2.74	-
AV	11.49G	43.71	54.00	-10.29	14.66	3	Horizontal	87	2.74	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5785MHz_TX



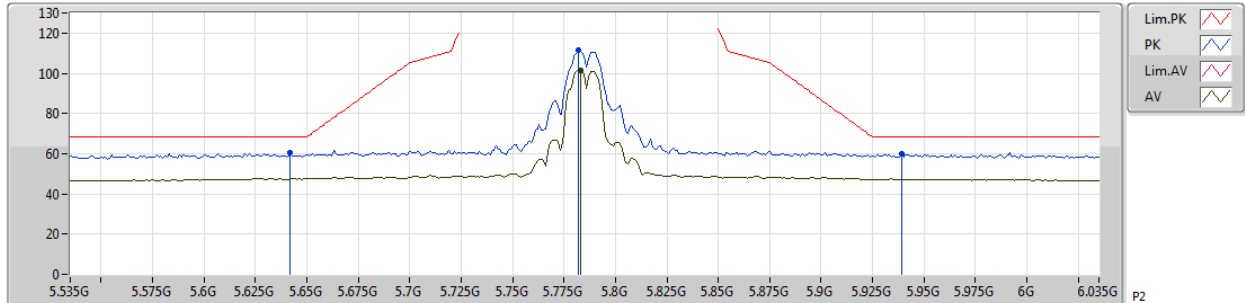
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Setting 25
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.646G	66.07	68.20	-2.13	9.30	3	Vertical	165	1.42	-
PK	5.785G	122.34	Inf	-Inf	9.33	3	Vertical	165	1.42	-
AV	5.784G	113.12	Inf	-Inf	9.33	3	Vertical	165	1.42	-
PK	5.925G	64.39	68.20	-3.81	9.45	3	Vertical	165	1.42	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5785MHz_TX



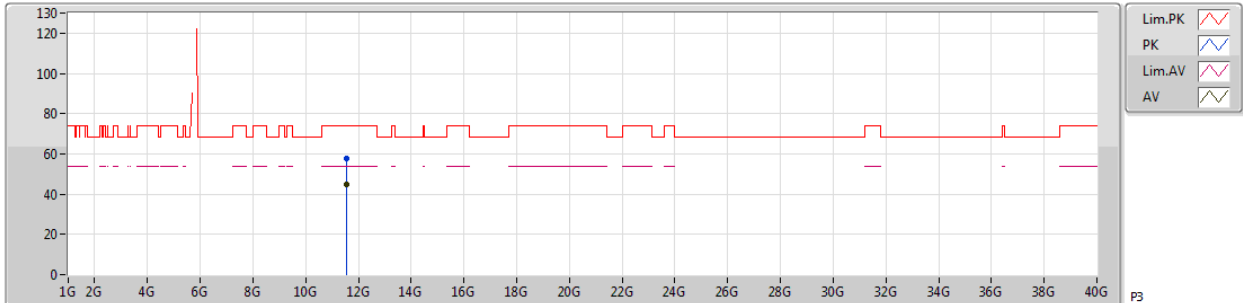
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Setting 25
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.642G	60.26	68.20	-7.94	9.30	3	Horizontal	59	1.11	-
PK	5.782G	111.50	Inf	-Inf	9.33	3	Horizontal	59	1.11	-
AV	5.783G	101.51	Inf	-Inf	9.33	3	Horizontal	59	1.11	-
PK	5.939G	59.77	68.20	-8.43	9.46	3	Horizontal	59	1.11	-

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5785MHz_TX



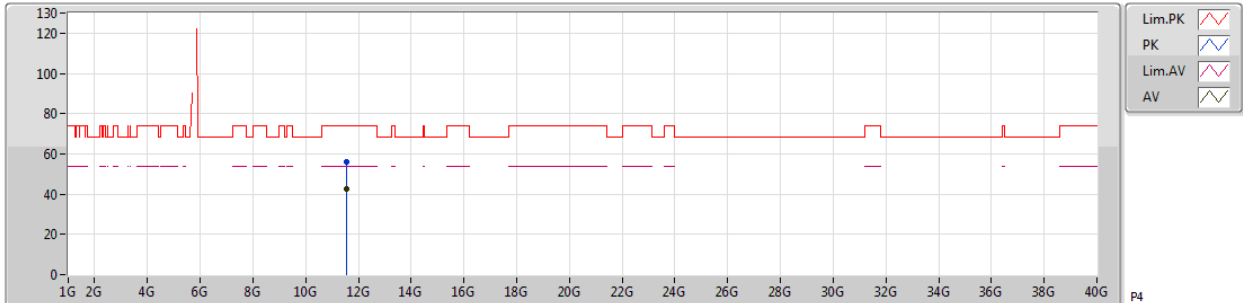
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Setting 25
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments							
PK	11.57176G	57.90	74.00	-16.10	14.76	3	Vertical	336	1.25	-							
AV	11.572G	44.83	54.00	-9.17	14.76	3	Vertical	336	1.25	-							

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5785MHz_TX



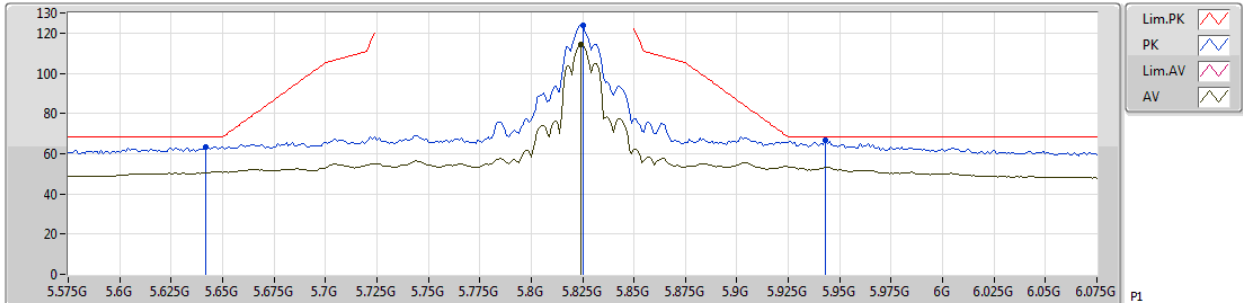
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Setting 25
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.56664G	55.83	74.00	-18.17	14.76	3	Horizontal	38	1.09	-
AV	11.56784G	42.80	54.00	-11.20	14.76	3	Horizontal	38	1.09	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5825MHz_TX



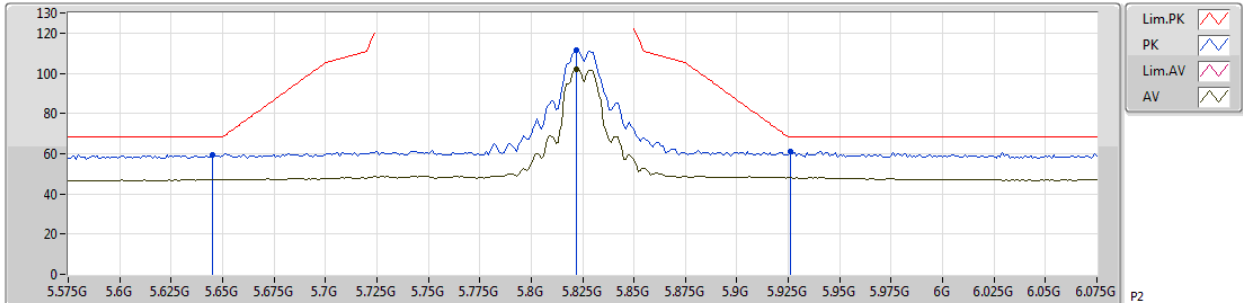
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Setting 25
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.642G	63.44	68.20	-4.76	9.30	3	Vertical	170	1.43	-
PK	5.825G	123.94	Inf	-Inf	9.35	3	Vertical	170	1.43	-
AV	5.824G	114.29	Inf	-Inf	9.34	3	Vertical	170	1.43	-
PK	5.943G	66.49	68.20	-1.71	9.46	3	Vertical	170	1.43	-

802.11a_Nss1,(6Mbps)_4TX

18/10/2018

5825MHz_TX



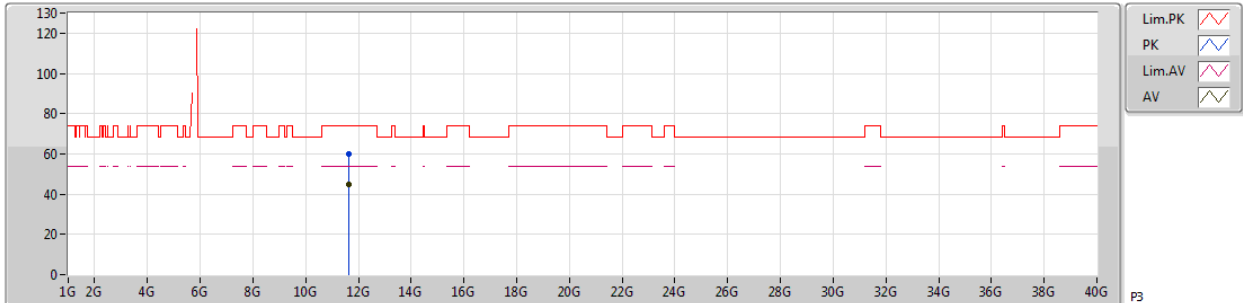
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Setting 25
02-M-1-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.645G	59.60	68.20	-8.60	9.30	3	Horizontal	62	1.03	-
PK	5.822G	111.75	Inf	-Inf	9.34	3	Horizontal	62	1.03	-
AV	5.822G	102.02	Inf	-Inf	9.34	3	Horizontal	62	1.03	-
PK	5.926G	60.96	68.20	-7.24	9.45	3	Horizontal	62	1.03	-

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5825MHz_TX



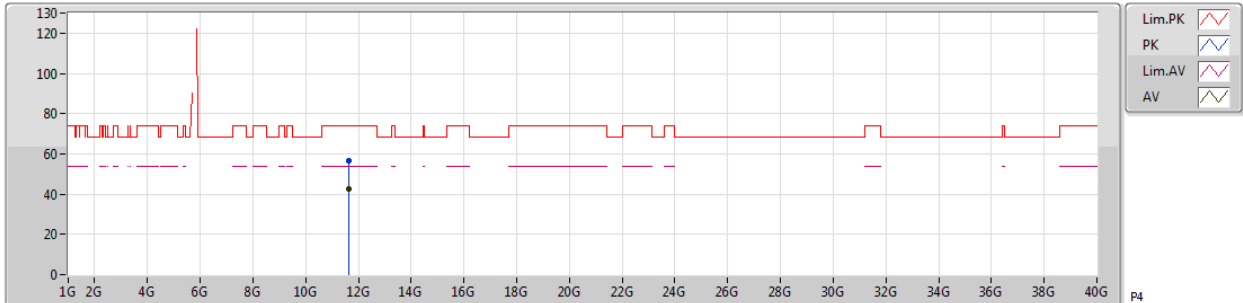
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Setting 25
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments							
PK	11.64656G	59.85	74.00	-14.15	14.84	3	Vertical	29	1.11	-							
AV	11.64608G	45.10	54.00	-8.90	14.84	3	Vertical	29	1.11	-							

802.11a_Nss1,(6Mbps)_4TX

25/10/2018

5825MHz_TX



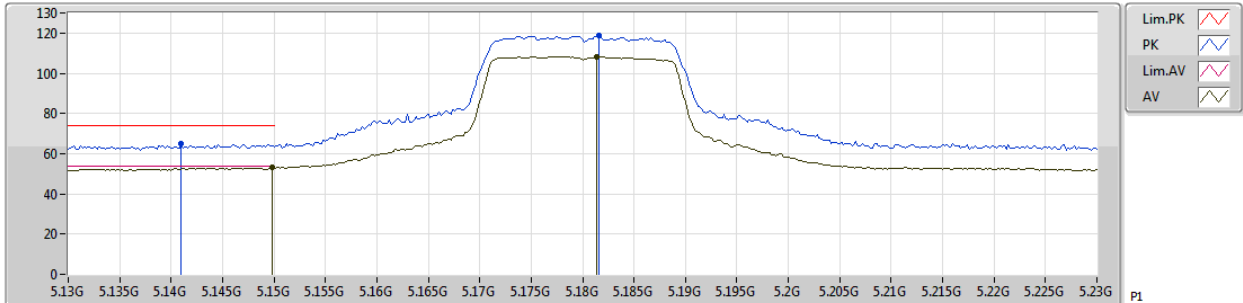
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Setting 25
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.64848G	56.73	74.00	-17.27	14.84	3	Horizontal	296	1.04	-
AV	11.64736G	42.75	54.00	-11.25	14.84	3	Horizontal	296	1.04	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

16/10/2018

5180MHz_TX



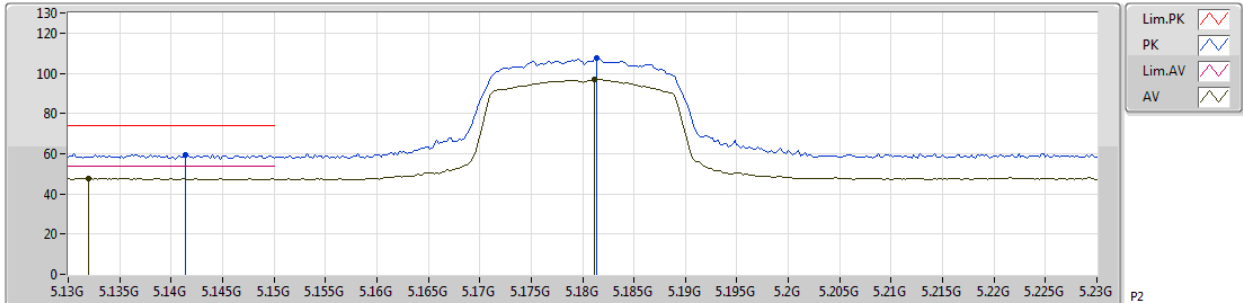
EUT_Z_4TX
Setting 26
04-E-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.141G	64.95	74.00	-9.05	7.78	3	Vertical	264	2.08	-
AV	5.1498G	53.19	54.00	-0.81	7.79	3	Vertical	264	2.08	-
PK	5.1816G	118.59	Inf	-Inf	7.89	3	Vertical	264	2.08	-
AV	5.1814G	108.39	Inf	-Inf	7.89	3	Vertical	264	2.08	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

17/10/2018

5180MHz_TX



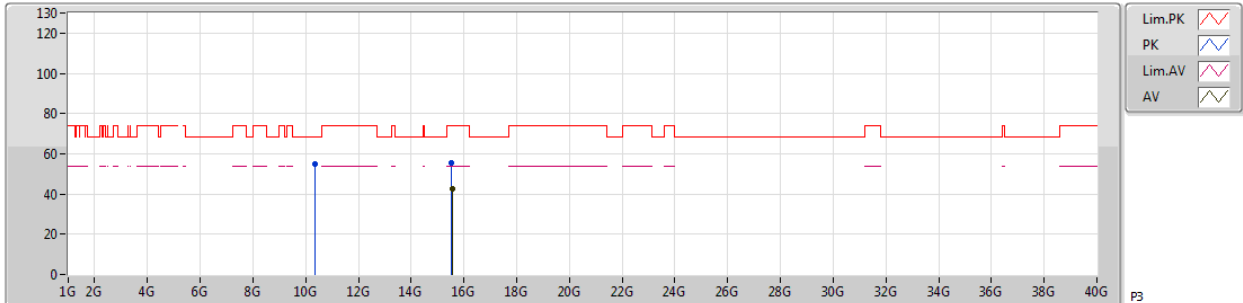
EUT_Z_4TX
Setting 26
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1414G	59.52	74.00	-14.48	8.56	3	Horizontal	213	1.35	-
AV	5.132G	47.73	54.00	-6.27	8.55	3	Horizontal	213	1.35	-
PK	5.1814G	107.41	Inf	-Inf	8.63	3	Horizontal	213	1.35	-
AV	5.1812G	97.11	Inf	-Inf	8.63	3	Horizontal	213	1.35	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5180MHz_TX



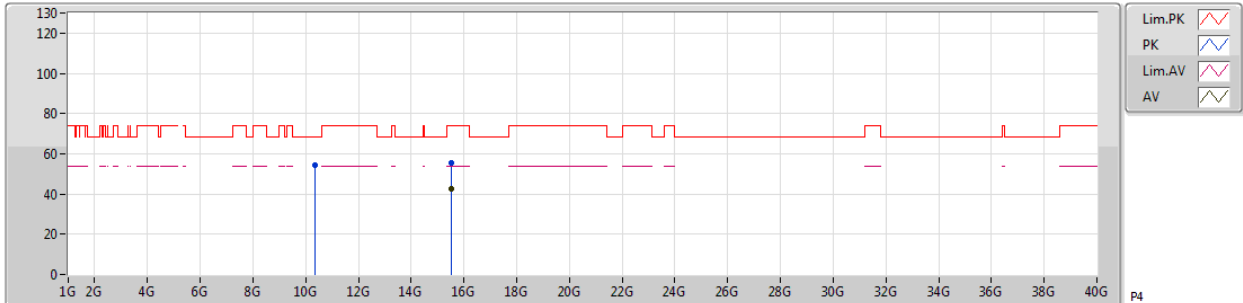
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Setting 26
02-M-1
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	10.3578G	54.85	68.20	-13.35	14.60	3	Vertical	264	1.57	-
PK	15.53408G	55.39	74.00	-18.61	16.05	3	Vertical	253	1.50	-
AV	15.54728G	42.65	54.00	-11.35	16.03	3	Vertical	253	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5180MHz_TX



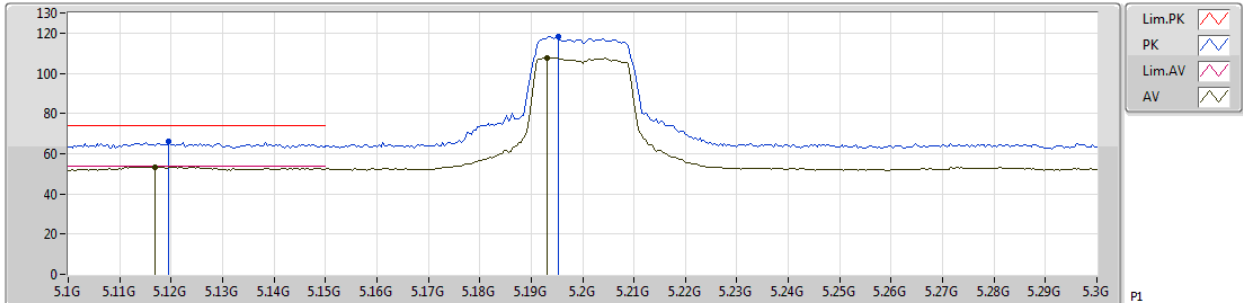
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Setting 26
02-M-1
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	10.35764G	54.09	68.20	-14.11	14.60	3	Horizontal	141	1.05	-
PK	15.54108G	55.62	74.00	-18.38	16.04	3	Horizontal	3	1.02	-
AV	15.536G	42.71	54.00	-11.29	16.05	3	Horizontal	3	1.02	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5200MHz_TX



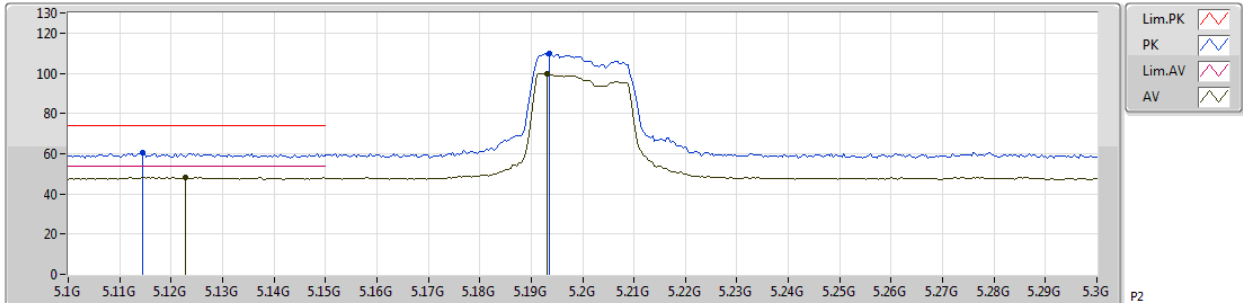
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Setting 26
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1196G	65.91	74.00	-8.09	8.51	3	Vertical	169	1.47	-
AV	5.1168G	53.51	54.00	-0.49	8.51	3	Vertical	169	1.47	-
PK	5.1952G	118.22	Inf	-Inf	8.65	3	Vertical	169	1.47	-
AV	5.1932G	107.79	Inf	-Inf	8.65	3	Vertical	169	1.47	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5200MHz_TX



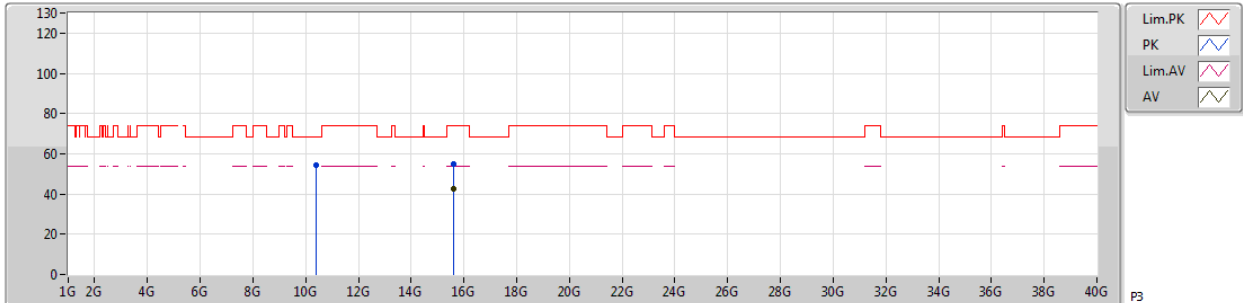
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Setting 26
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1144G	60.29	74.00	-13.71	8.51	3	Horizontal	302	1.49	-
AV	5.1228G	48.30	54.00	-5.70	8.52	3	Horizontal	302	1.49	-
PK	5.1936G	109.83	Inf	-Inf	8.65	3	Horizontal	302	1.49	-
AV	5.1932G	99.68	Inf	-Inf	8.65	3	Horizontal	302	1.49	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5200MHz_TX



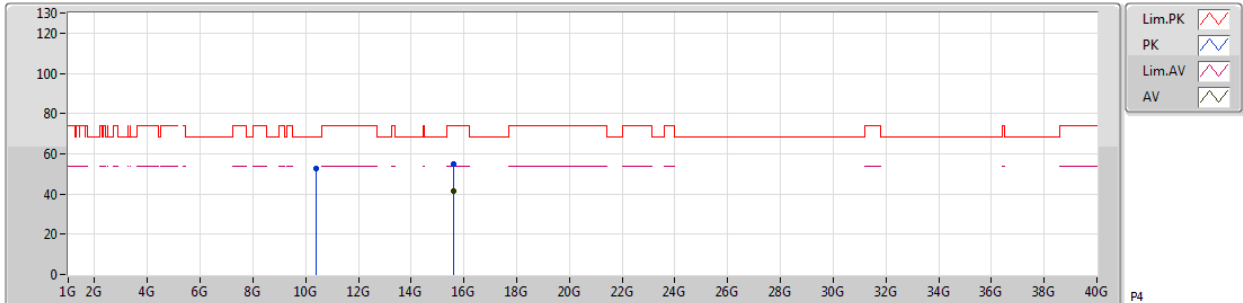
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Setting 26
02-M-01
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	10.3906G	54.40	68.20	-13.80	14.58	3	Vertical	16	1.50	-
PK	15.604G	54.88	74.00	-19.12	15.88	3	Vertical	230	2.58	-
AV	15.59096G	42.45	54.00	-11.55	15.91	3	Vertical	230	2.58	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5200MHz_TX



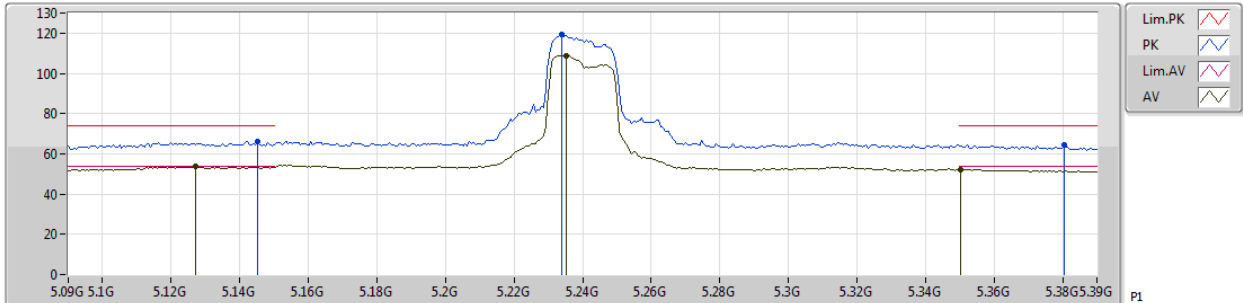
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Setting 26
02-M-01
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	10.4028G	52.71	68.20	-15.49	13.79	3	Horizontal	81	2.93	-
PK	15.59164G	54.82	74.00	-19.18	14.78	3	Horizontal	97	1.50	-
AV	15.60528G	41.29	54.00	-12.71	14.76	3	Horizontal	97	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5240MHz_TX



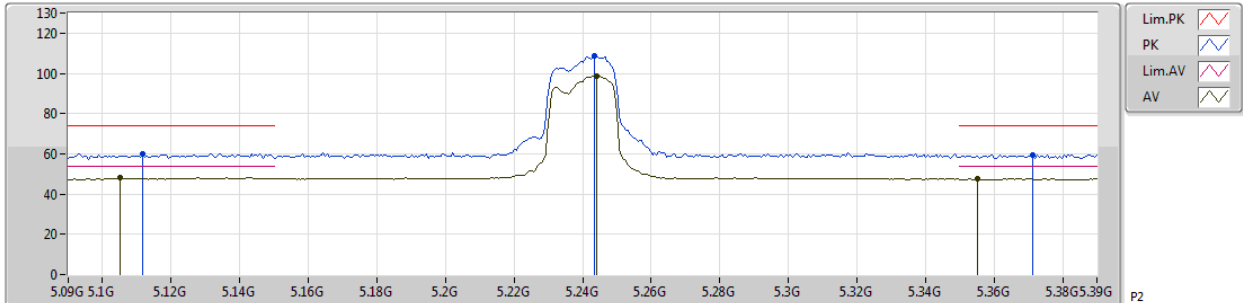
EUT_Z_4TX
Setting 28
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1452G	66.11	74.00	-7.89	8.56	3	Vertical	267	1.82	-
AV	5.1272G	53.54	54.00	-0.46	8.53	3	Vertical	267	1.82	-
PK	5.234G	119.14	Inf	-Inf	8.71	3	Vertical	267	1.82	-
AV	5.2352G	108.92	Inf	-Inf	8.71	3	Vertical	267	1.82	-
PK	5.3804G	64.34	74.00	-9.66	8.93	3	Vertical	267	1.82	-
AV	5.3504G	52.19	54.00	-1.81	8.89	3	Vertical	267	1.82	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5240MHz_TX



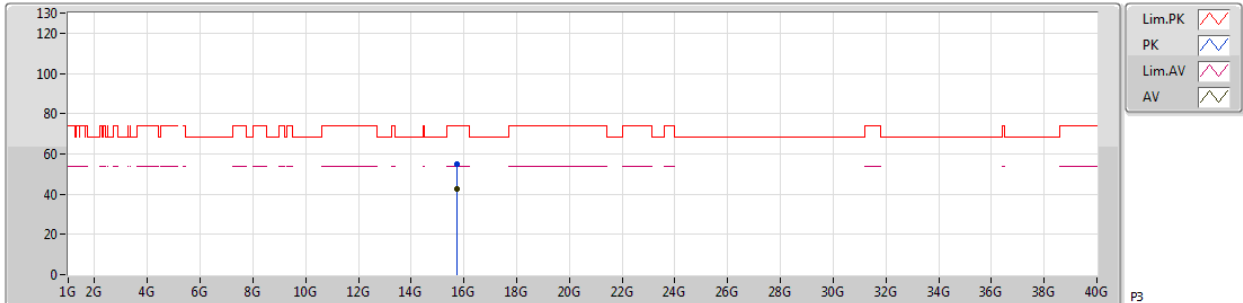
EUT_Z_4TX
Setting 28
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1116G	60.07	74.00	-13.93	8.50	3	Horizontal	330	1.50	-
AV	5.105G	48.09	54.00	-5.91	8.49	3	Horizontal	330	1.50	-
PK	5.2436G	108.69	Inf	-Inf	8.72	3	Horizontal	330	1.50	-
AV	5.2442G	98.63	Inf	-Inf	8.72	3	Horizontal	330	1.50	-
PK	5.3714G	59.60	74.00	-14.40	8.91	3	Horizontal	330	1.50	-
AV	5.3552G	47.80	54.00	-6.20	8.89	3	Horizontal	330	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5240MHz_TX



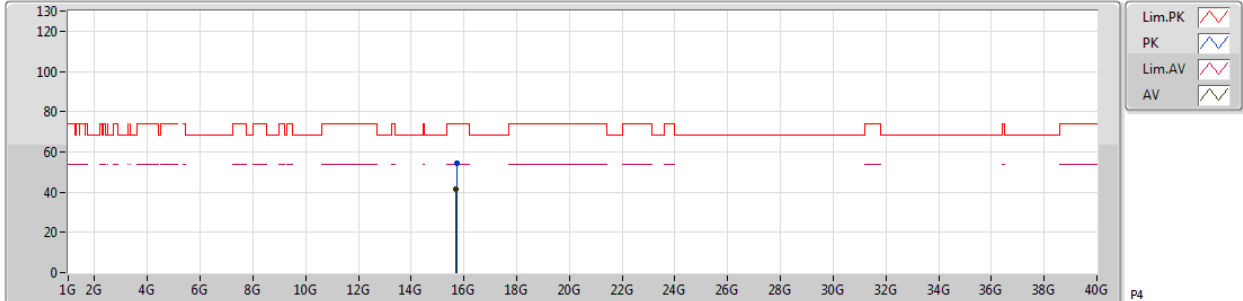
EUT_Z_4TX
Setting 28
02-M-01
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.72276G	54.98	74.00	-19.02	15.59	3	Vertical	332	1.50	-
AV	15.7236G	42.54	54.00	-11.46	15.58	3	Vertical	332	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5240MHz_TX



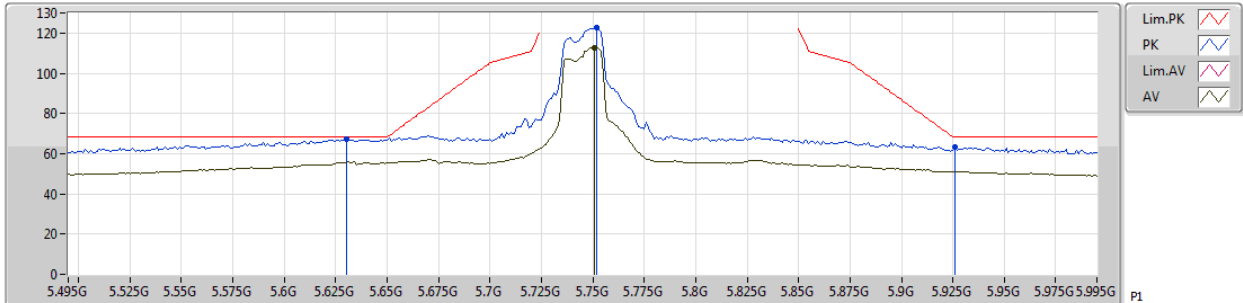
EUT_Z_4TX
Setting 28
02-M-01
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.72G	54.40	74.00	-19.60	14.62	3	Horizontal	163	1.00	-
AV	15.71568G	41.58	54.00	-12.42	14.63	3	Horizontal	163	1.00	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5745MHz_TX



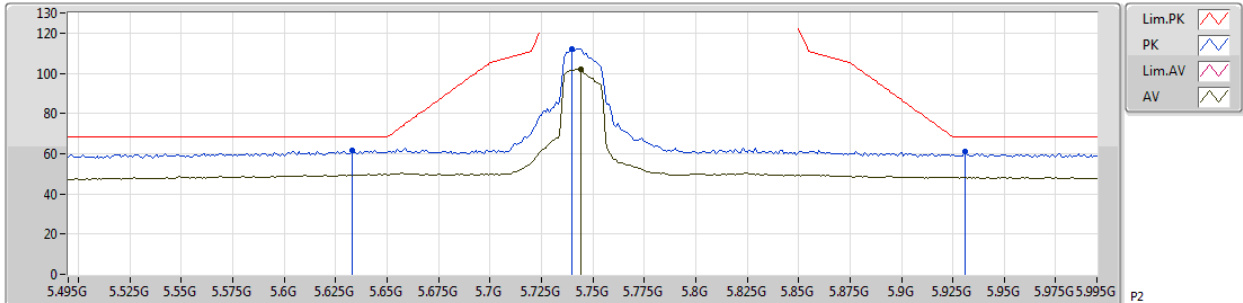
EUT_Z_4TX
Setting 35
02-C-5-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments							
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)								
PK	5.63G	67.01	68.20	-1.19	9.29	3	Vertical	183	1.50	-							
PK	5.752G	122.94	Inf	-Inf	9.32	3	Vertical	183	1.50	-							
AV	5.751G	112.81	Inf	-Inf	9.32	3	Vertical	183	1.50	-							
PK	5.926G	63.04	68.20	-5.16	9.45	3	Vertical	183	1.50	-							

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5745MHz_TX



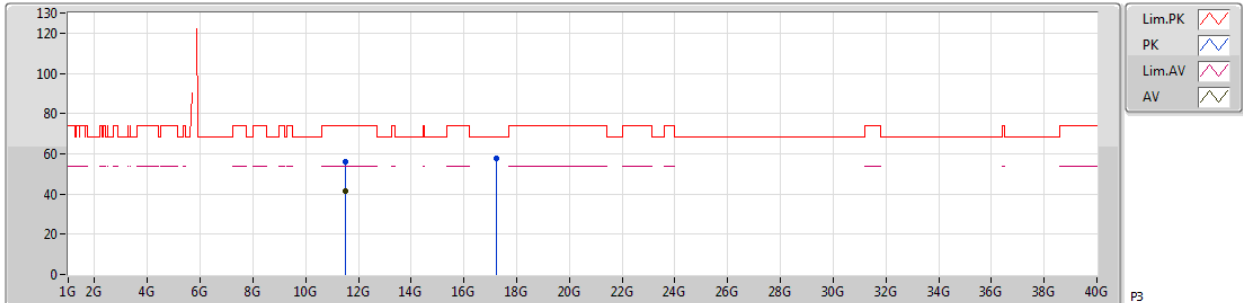
EUT_Z_4TX
Setting 35
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.633G	61.69	68.20	-6.51	9.29	3	Horizontal	14	1.39	-
PK	5.74G	112.20	Inf	-Inf	9.32	3	Horizontal	14	1.39	-
AV	5.744G	101.98	Inf	-Inf	9.32	3	Horizontal	14	1.39	-
PK	5.931G	60.96	68.20	-7.24	9.45	3	Horizontal	14	1.39	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5745MHz_TX



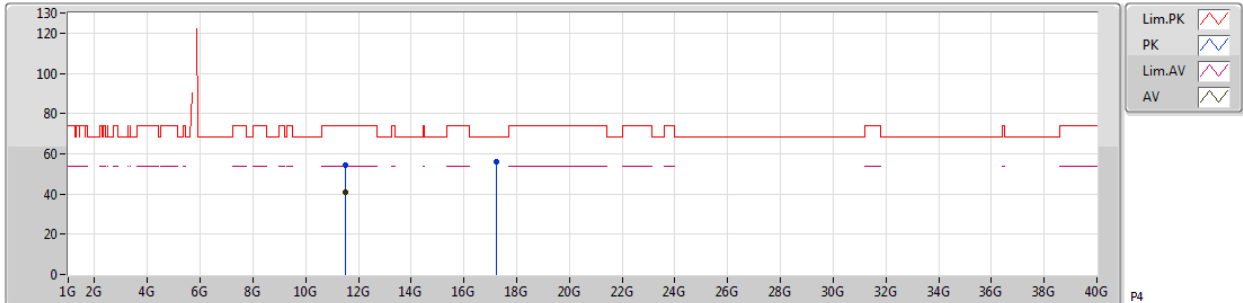
EUT_Z_4TX
Setting 35
02-M-01
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.48892G	56.07	74.00	-17.93	12.84	3	Vertical	133	1.16	-
AV	11.48884G	41.67	54.00	-12.33	12.84	3	Vertical	133	1.16	-
PK	17.23724G	57.69	68.20	-10.51	18.36	3	Vertical	192	2.42	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5745MHz_TX



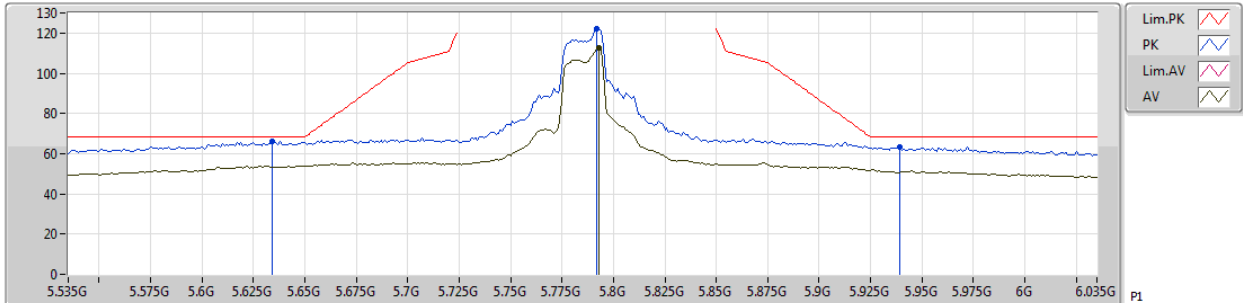
EUT_Z_4TX
Setting 35
02-M-01
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.4886G	54.57	74.00	-19.43	14.66	3	Horizontal	275	2.72	-
AV	11.48864G	40.89	54.00	-13.11	14.66	3	Horizontal	275	2.72	-
PK	17.22892G	56.24	68.20	-11.96	20.46	3	Horizontal	325	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5785MHz_TX



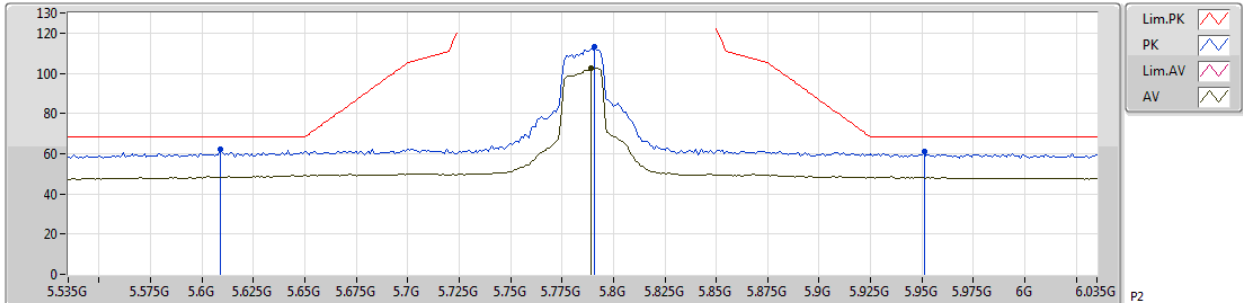
EUT_Z_4TX
Setting 35
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.634G	66.25	68.20	-1.95	9.29	3	Vertical	350	1.55	-
PK	5.792G	121.94	Inf	-Inf	9.33	3	Vertical	350	1.55	-
AV	5.793G	112.37	Inf	-Inf	9.33	3	Vertical	350	1.55	-
PK	5.939G	63.39	68.20	-4.81	9.46	3	Vertical	350	1.55	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5785MHz_TX



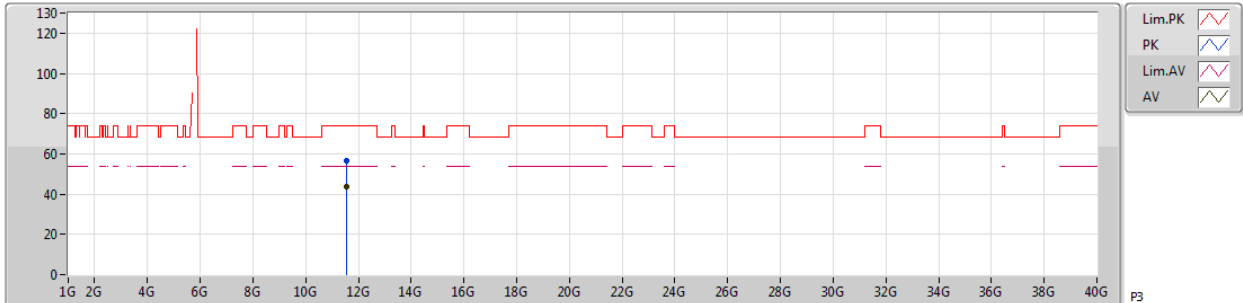
EUT_Z_4TX
Setting 35
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.609G	62.02	68.20	-6.18	9.28	3	Horizontal	39	1.37	-
PK	5.791G	113.07	Inf	-Inf	9.33	3	Horizontal	39	1.37	-
AV	5.789G	102.36	Inf	-Inf	9.33	3	Horizontal	39	1.37	-
PK	5.951G	60.83	68.20	-7.37	9.46	3	Horizontal	39	1.37	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5785MHz_TX



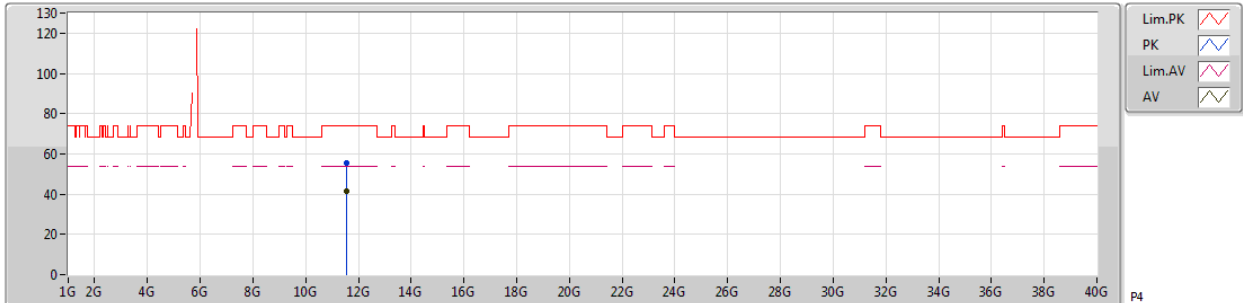
EUT_Z_4TX
Setting 35
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.56632G	56.43	74.00	-17.57	14.76	3	Vertical	12	1.15	-
AV	11.56872G	43.70	54.00	-10.30	14.76	3	Vertical	12	1.15	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5785MHz_TX



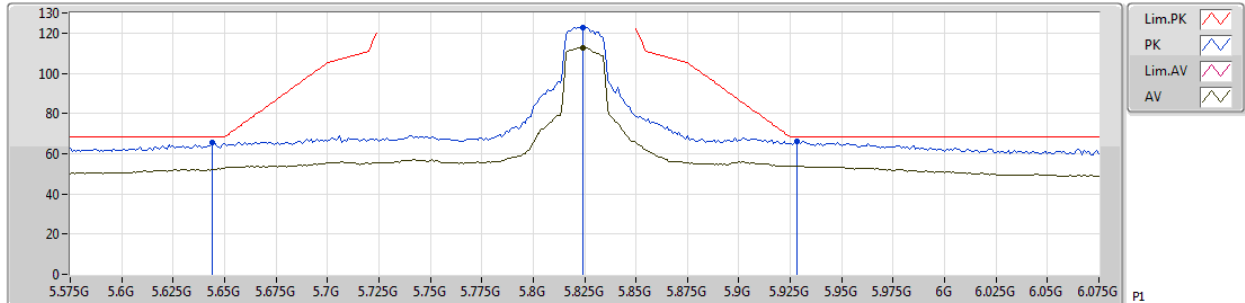
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Setting 35
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.5688G	55.23	74.00	-18.77	13.68	3	Horizontal	120	2.87	-
AV	11.56576G	41.74	54.00	-12.26	13.68	3	Horizontal	120	2.87	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5825MHz_TX



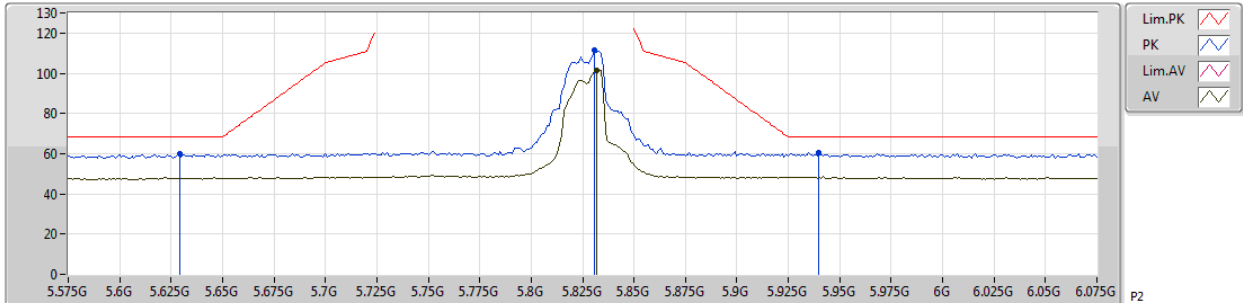
EUT_Z_4TX
Setting 35
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.644G	65.45	68.20	-2.75	9.30	3	Vertical	170	2.12	-
PK	5.824G	122.83	Inf	-Inf	9.34	3	Vertical	170	2.12	-
AV	5.824G	112.87	Inf	-Inf	9.34	3	Vertical	170	2.12	-
PK	5.928G	66.16	68.20	-2.04	9.45	3	Vertical	170	2.12	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

18/10/2018

5825MHz_TX



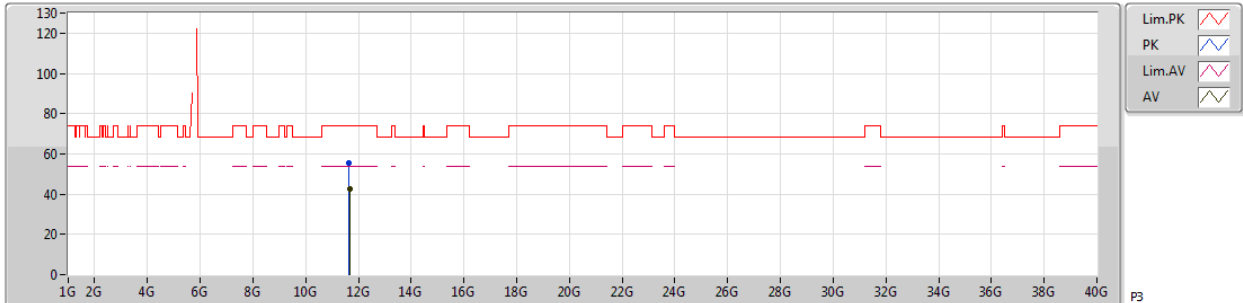
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Setting 35
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.629G	59.71	68.20	-8.49	9.29	3	Horizontal	275	1.29	-
PK	5.831G	111.62	Inf	-Inf	9.36	3	Horizontal	275	1.29	-
AV	5.832G	101.60	Inf	-Inf	9.36	3	Horizontal	275	1.29	-
PK	5.94G	60.59	68.20	-7.61	9.46	3	Horizontal	275	1.29	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5825MHz_TX



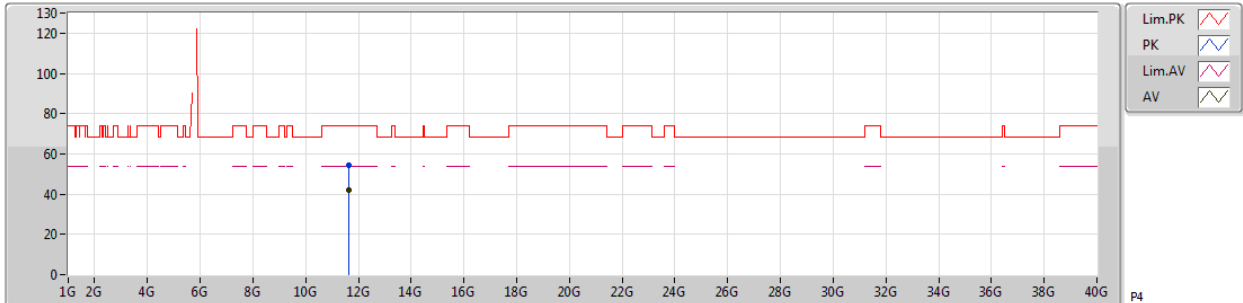
EUT_Z_4TX
Setting 35
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.64776G	55.36	74.00	-18.64	14.84	3	Vertical	22	2.19	-
AV	11.65912G	42.49	54.00	-11.51	14.85	3	Vertical	22	2.19	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

25/10/2018

5825MHz_TX



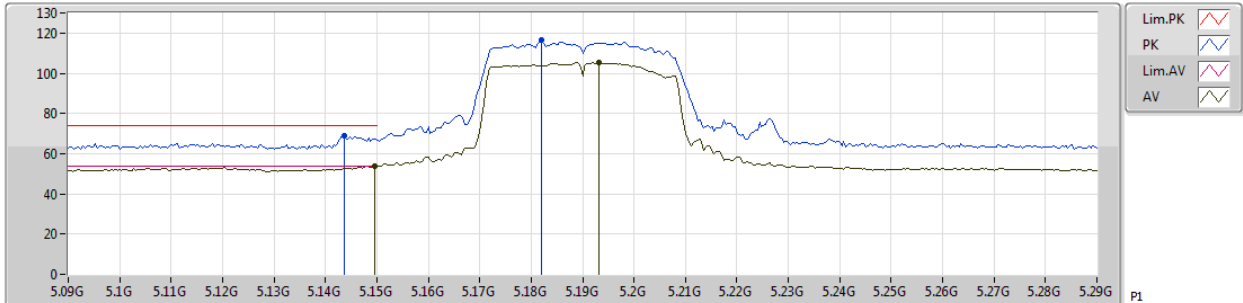
EUT_Z_4TX
Setting 35
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.63432G	54.49	74.00	-19.51	14.83	3	Horizontal	26	1.04	-
AV	11.64384G	41.76	54.00	-12.24	14.84	3	Horizontal	26	1.04	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5190MHz_TX



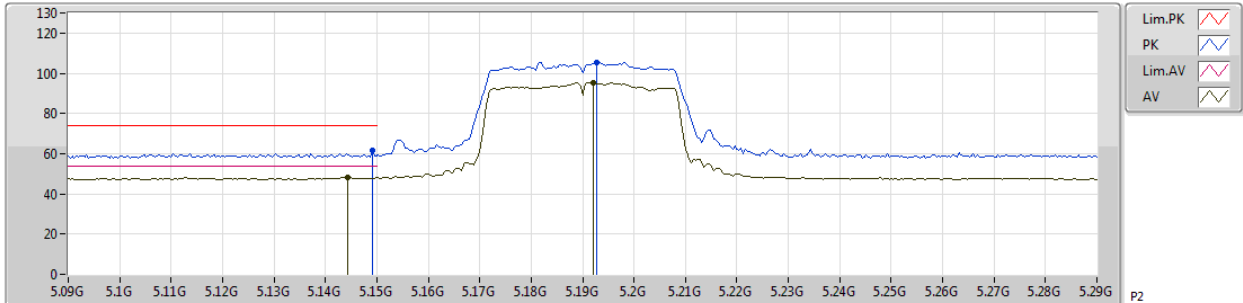
EUT_Z_4TX
Setting 24
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1436G	68.82	74.00	-5.18	8.56	3	Vertical	165	2.25	-
AV	5.1496G	53.66	54.00	-0.34	8.56	3	Vertical	165	2.25	-
PK	5.182G	116.43	Inf	-Inf	8.63	3	Vertical	165	2.25	-
AV	5.1932G	105.34	Inf	-Inf	8.65	3	Vertical	165	2.25	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5190MHz_TX



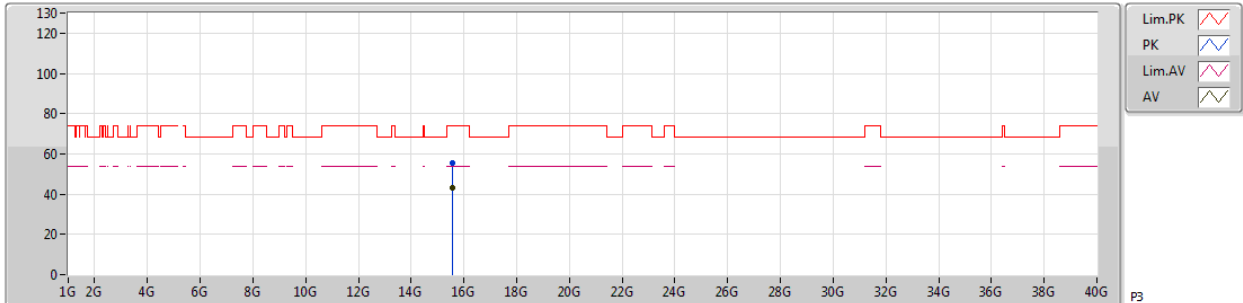
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Setting 24
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1492G	61.50	74.00	-12.50	8.56	3	Horizontal	295	1.46	-
AV	5.1444G	48.15	54.00	-5.85	8.56	3	Horizontal	295	1.46	-
PK	5.1928G	105.56	Inf	-Inf	8.65	3	Horizontal	295	1.46	-
AV	5.192G	95.26	Inf	-Inf	8.65	3	Horizontal	295	1.46	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5190MHz_TX



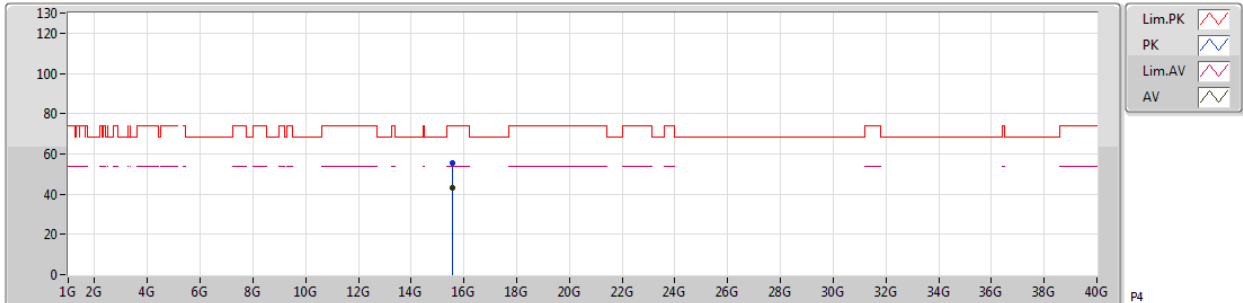
EUT_Z_4TX
Setting 24
02-R-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.56144G	55.55	74.00	-18.45	15.99	3	Vertical	242	1.73	-
AV	15.55096G	42.99	54.00	-11.01	16.02	3	Vertical	242	1.73	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5190MHz_TX



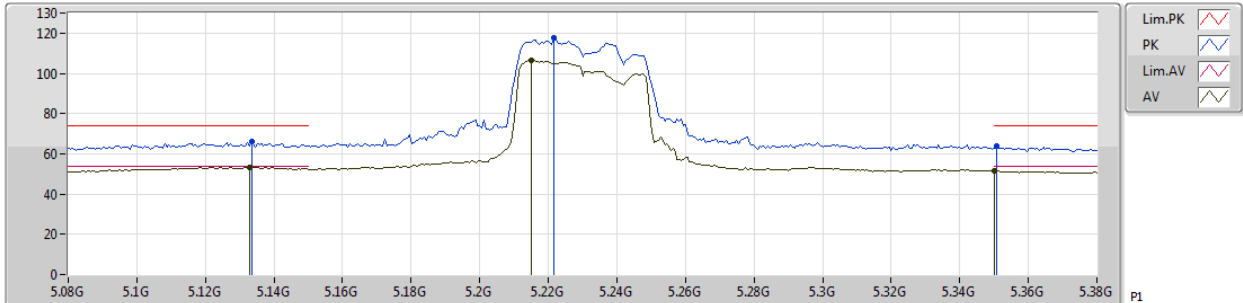
EUT_Z_4TX
Setting 24
02-R-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.57104G	55.61	74.00	-18.39	15.97	3	Horizontal	320	1.48	-
AV	15.56432G	43.02	54.00	-10.98	15.98	3	Horizontal	320	1.48	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5230MHz_TX



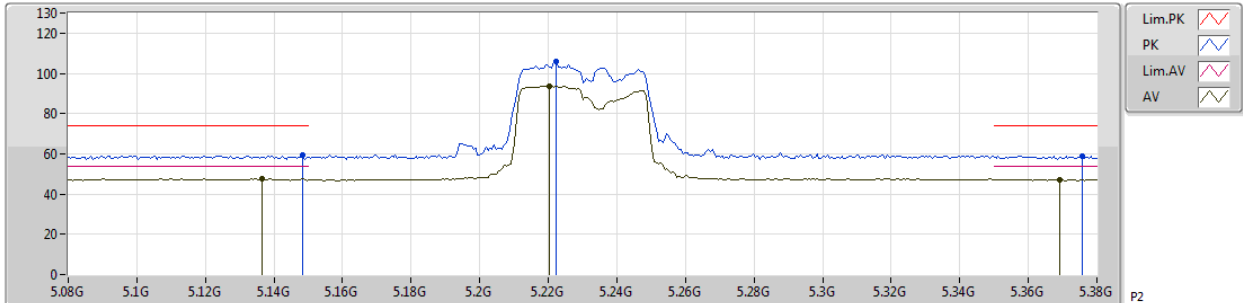
EUT_Z_4TX
Setting 24
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1334G	65.86	74.00	-8.14	8.55	3	Vertical	217	1.90	-
AV	5.1328G	53.41	54.00	-0.59	8.55	3	Vertical	217	1.90	-
PK	5.2216G	117.53	Inf	-Inf	8.70	3	Vertical	217	1.90	-
AV	5.215G	106.46	Inf	-Inf	8.68	3	Vertical	217	1.90	-
PK	5.3506G	63.68	74.00	-10.32	8.89	3	Vertical	217	1.90	-
AV	5.35G	51.71	54.00	-2.29	8.89	3	Vertical	217	1.90	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5230MHz_TX



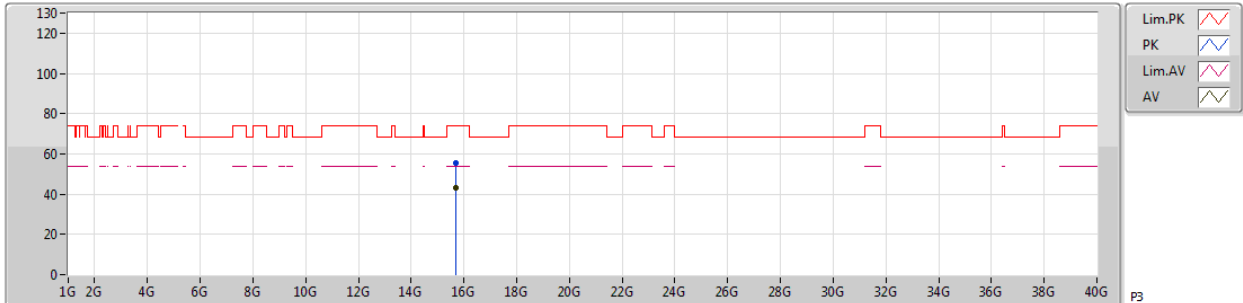
EUT_Z_4TX
Setting 24
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1484G	59.44	74.00	-14.56	8.56	3	Horizontal	215	1.50	-
AV	5.1364G	47.60	54.00	-6.40	8.55	3	Horizontal	215	1.50	-
PK	5.2222G	105.82	Inf	-Inf	8.70	3	Horizontal	215	1.50	-
AV	5.2204G	93.75	Inf	-Inf	8.69	3	Horizontal	215	1.50	-
PK	5.3758G	58.88	74.00	-15.12	8.92	3	Horizontal	215	1.50	-
AV	5.3692G	47.27	54.00	-6.73	8.91	3	Horizontal	215	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5230MHz_TX



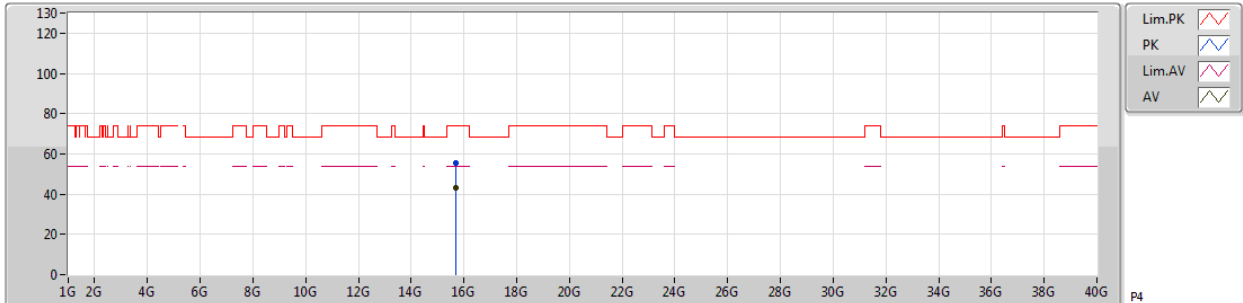
EUT_Z_4TX
Setting 24
02-R-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.67864G	55.35	74.00	-18.65	15.70	3	Vertical	140	2.44	-
AV	15.69496G	42.99	54.00	-11.01	15.65	3	Vertical	140	2.44	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5230MHz_TX



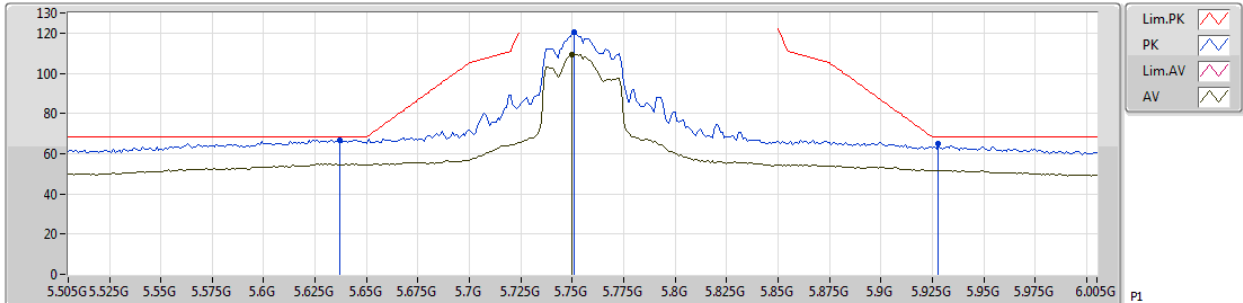
EUT_Z_4TX
Setting 24
02-R-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.704G	55.69	74.00	-18.31	15.64	3	Horizontal	157	2.62	-
AV	15.68024G	43.25	54.00	-10.75	15.70	3	Horizontal	157	2.62	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5755MHz_TX



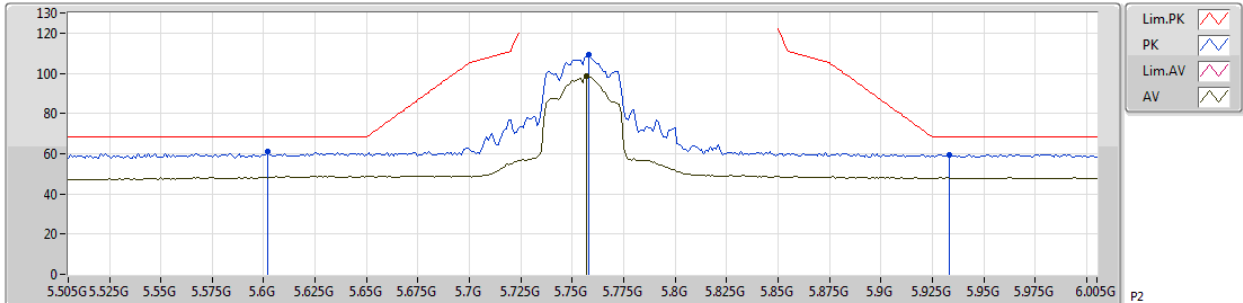
EUT_Z_4TX
Setting 32
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.637G	66.90	68.20	-1.30	9.29	3	Vertical	178	1.37	-
PK	5.751G	120.26	Inf	-Inf	9.32	3	Vertical	178	1.37	-
AV	5.75G	109.36	Inf	-Inf	9.32	3	Vertical	178	1.37	-
PK	5.928G	64.81	68.20	-3.39	9.45	3	Vertical	178	1.37	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5755MHz_TX



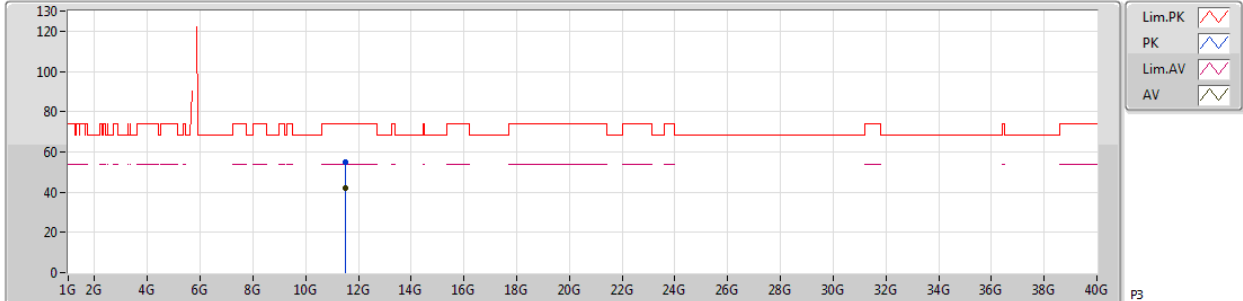
EUT_Z_4TX
Setting 32
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.602G	60.85	68.20	-7.35	9.28	3	Horizontal	77	1.24	-
PK	5.758G	109.00	Inf	-Inf	9.32	3	Horizontal	77	1.24	-
AV	5.757G	98.89	Inf	-Inf	9.32	3	Horizontal	77	1.24	-
PK	5.933G	59.62	68.20	-8.58	9.45	3	Horizontal	77	1.24	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5755MHz_TX



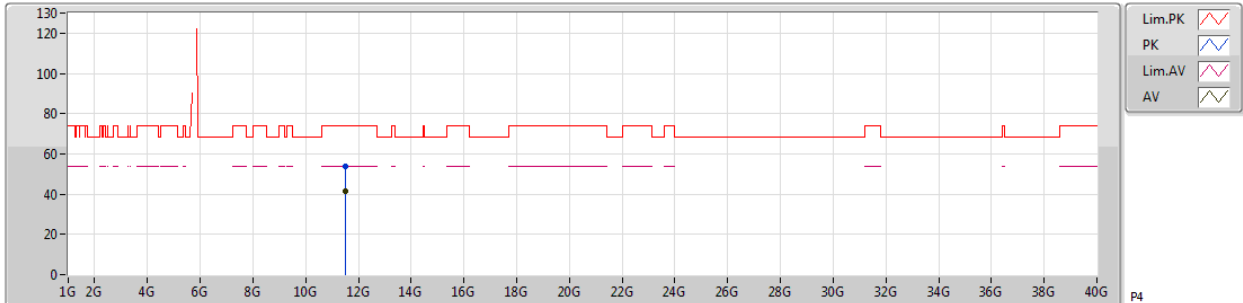
EUT_Z_4TX
Setting 32
02-R-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.5096G	55.07	74.00	-18.93	14.69	3	Vertical	297	2.65	-
AV	11.50928G	42.17	54.00	-11.83	14.69	3	Vertical	297	2.65	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5755MHz_TX



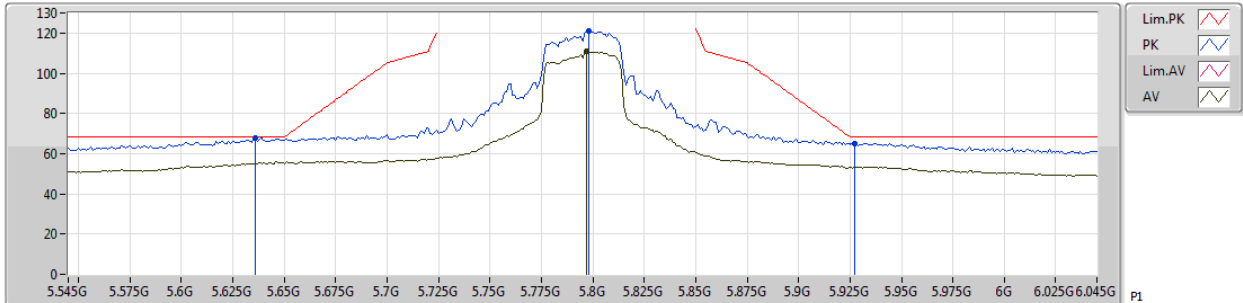
EUT_Z_4TX
Setting 32
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.4936G	53.74	74.00	-20.26	14.66	3	Horizontal	320	1.50	-
AV	11.50608G	41.55	54.00	-12.45	14.69	3	Horizontal	320	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5795MHz_TX



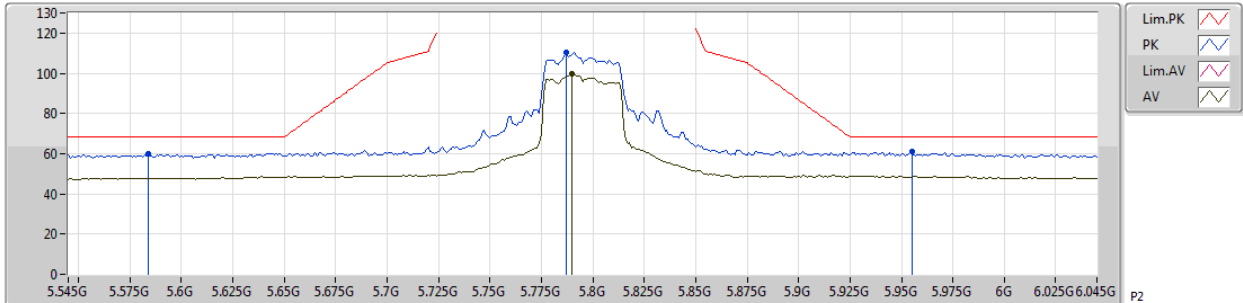
EUT_Z_4TX
Setting 34
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.636G	67.73	68.20	-0.47	9.29	3	Vertical	169	2.87	-
PK	5.798G	121.15	Inf	-Inf	9.33	3	Vertical	169	2.87	-
AV	5.797G	111.01	Inf	-Inf	9.33	3	Vertical	169	2.87	-
PK	5.927G	65.04	68.20	-3.16	9.45	3	Vertical	169	2.87	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

17/10/2018

5795MHz_TX



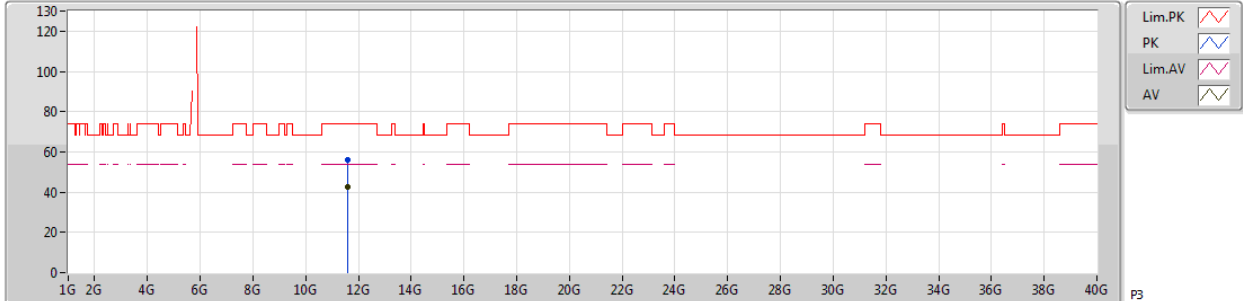
EUT_Z_4TX
Setting 34
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.584G	59.76	68.20	-8.44	9.27	3	Horizontal	67	2.22	-
PK	5.787G	110.66	Inf	-Inf	9.33	3	Horizontal	67	2.22	-
AV	5.79G	99.74	Inf	-Inf	9.33	3	Horizontal	67	2.22	-
PK	5.955G	60.84	68.20	-7.36	9.47	3	Horizontal	67	2.22	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5795MHz_TX



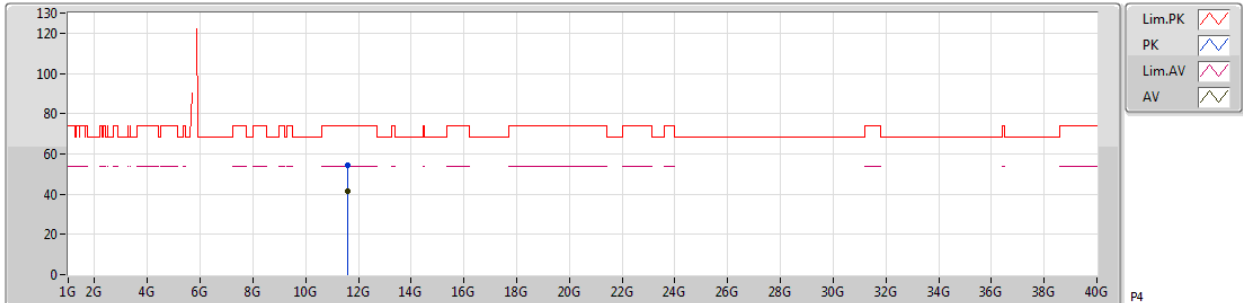
EUT_Z_4TX
Setting 34
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.59424G	56.02	74.00	-17.98	14.78	3	Vertical	307	2.75	-
AV	11.57648G	42.65	54.00	-11.35	14.77	3	Vertical	307	2.75	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

25/10/2018

5795MHz_TX



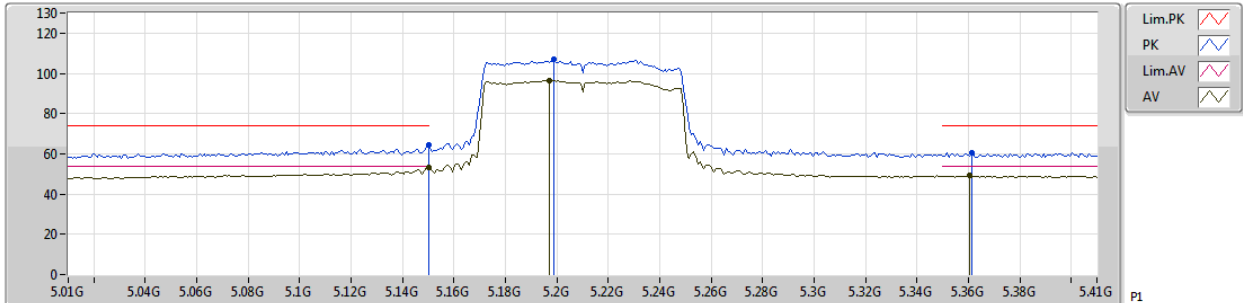
EUT_Z_4TX
Setting 34
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.59728G	54.59	74.00	-19.41	14.80	3	Horizontal	146	1.50	-
AV	11.57288G	41.60	54.00	-12.40	14.77	3	Horizontal	146	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

16/10/2018

5210MHz_TX



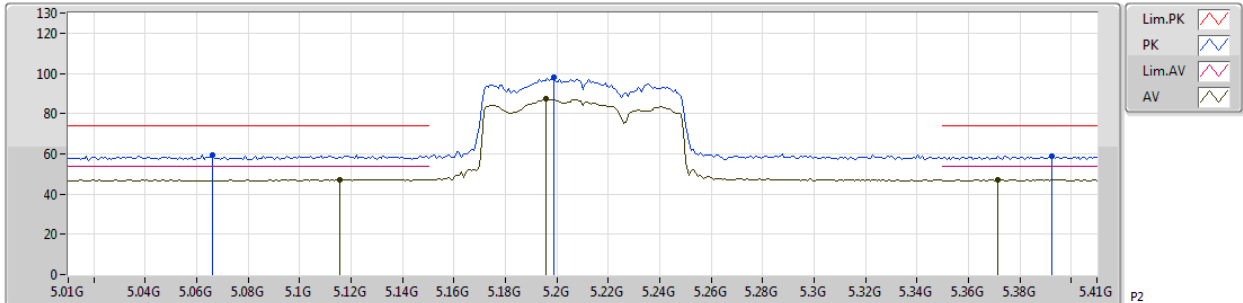
EUT_Z_4TX
Setting 15
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.15G	64.23	74.00	-9.77	7.79	3	Vertical	283	1.50	-
AV	5.15G	53.50	54.00	-0.50	7.79	3	Vertical	283	1.50	-
PK	5.1988G	107.26	Inf	-Inf	7.95	3	Vertical	283	1.50	-
AV	5.1972G	96.26	Inf	-Inf	7.95	3	Vertical	283	1.50	-
PK	5.3612G	60.45	74.00	-13.55	8.31	3	Vertical	283	1.50	-
AV	5.3604G	49.17	54.00	-4.83	8.31	3	Vertical	283	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

17/10/2018

5210MHz_TX



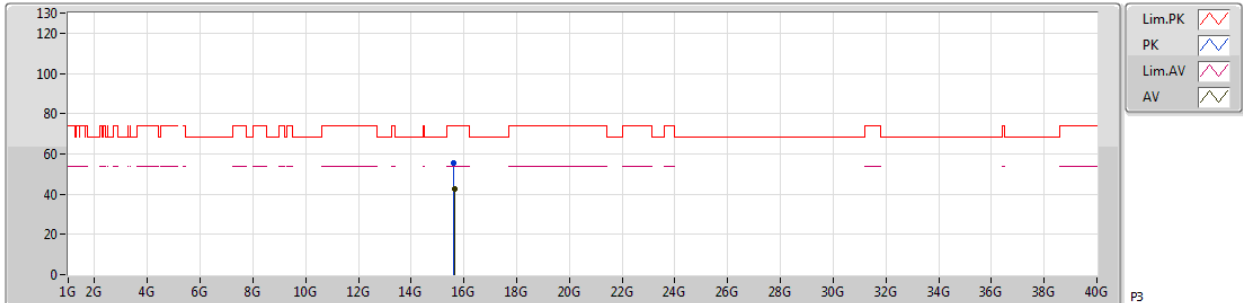
EUT_Z_4TX
Setting 15
02-C-5-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	5.066G	59.19	74.00	-14.81	8.41	3	Horizontal	288	1.63	-
AV	5.1156G	47.33	54.00	-6.67	8.51	3	Horizontal	288	1.63	-
PK	5.1988G	98.08	Inf	-Inf	8.66	3	Horizontal	288	1.63	-
AV	5.1956G	87.40	Inf	-Inf	8.66	3	Horizontal	288	1.63	-
PK	5.3924G	58.98	74.00	-15.02	8.94	3	Horizontal	288	1.63	-
AV	5.3716G	47.10	54.00	-6.90	8.91	3	Horizontal	288	1.63	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

25/10/2018

5210MHz_TX



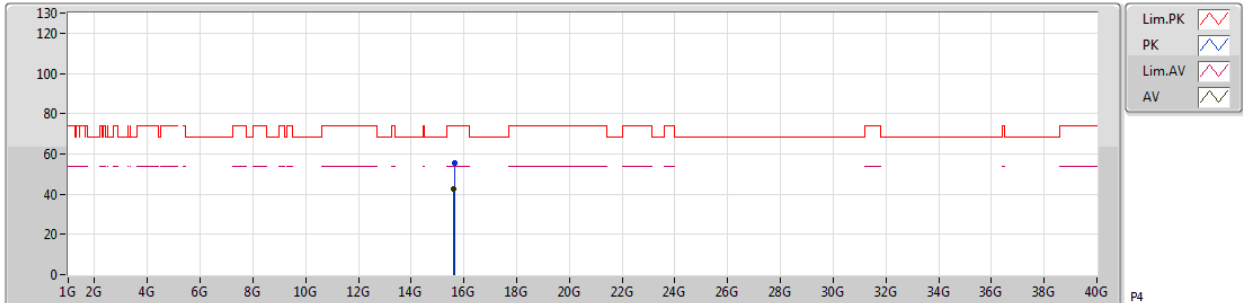
EUT_Z_4TX
Setting 15
02-R-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.61152G	55.31	74.00	-18.69	15.86	3	Vertical	15	2.00	-
AV	15.64832G	42.69	54.00	-11.31	15.77	3	Vertical	15	2.00	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

25/10/2018

5210MHz_TX



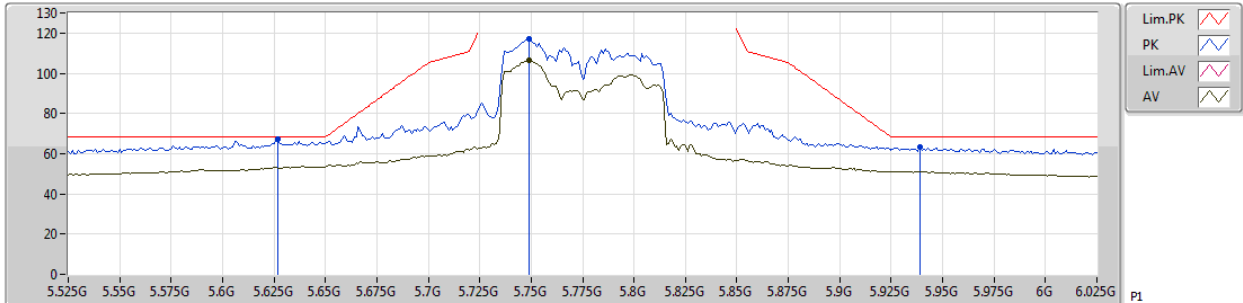
EUT_Z_4TX
Setting 15
02-R-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.6392G	55.29	74.00	-18.71	15.79	3	Horizontal	115	1.22	-
AV	15.61872G	42.69	54.00	-11.31	15.85	3	Horizontal	115	1.22	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

17/10/2018

5775MHz_TX



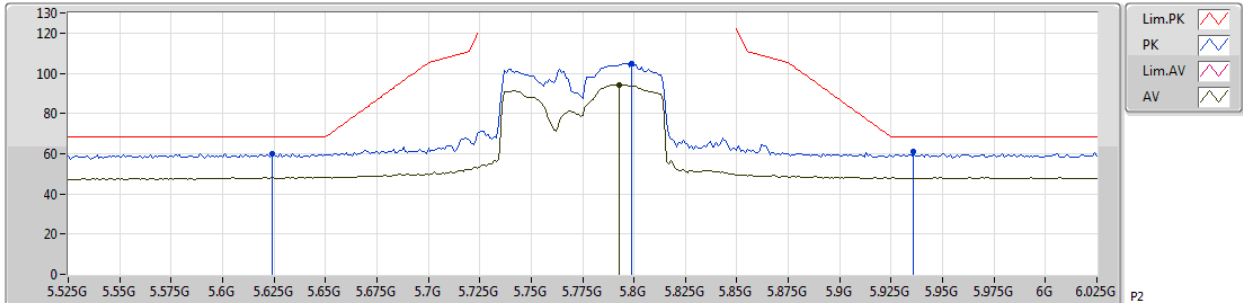
EUT_Z_4TX
Setting 28
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.627G	66.99	68.20	-1.21	9.29	3	Vertical	189	1.44	-
PK	5.749G	116.93	Inf	-Inf	9.32	3	Vertical	189	1.44	-
AV	5.749G	106.25	Inf	-Inf	9.32	3	Vertical	189	1.44	-
PK	5.939G	63.17	68.20	-5.03	9.46	3	Vertical	189	1.44	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

17/10/2018

5775MHz_TX



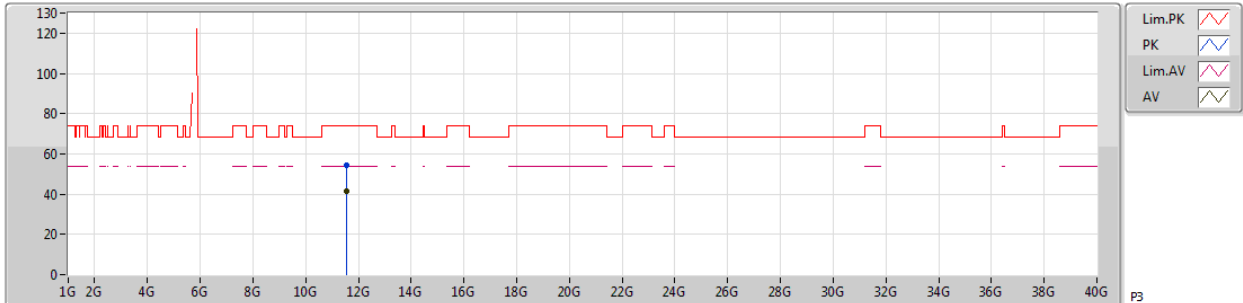
EUT_Z_4TX
Setting 28
02-C-5-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.624G	60.11	68.20	-8.09	9.28	3	Horizontal	63	1.19	-
PK	5.799G	104.85	Inf	-Inf	9.33	3	Horizontal	63	1.19	-
AV	5.793G	94.23	Inf	-Inf	9.33	3	Horizontal	63	1.19	-
PK	5.936G	60.81	68.20	-7.39	9.46	3	Horizontal	63	1.19	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

25/10/2018

5775MHz_TX



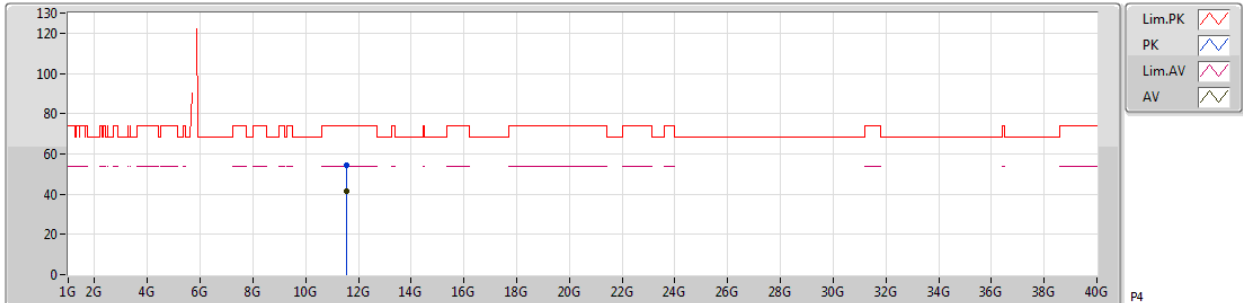
EUT_Z_4TX
Setting 28
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments								
PK	11.54496G	54.19	74.00	-19.81	14.73	3	Vertical	124	2.36	-								
AV	11.5584G	41.68	54.00	-12.32	14.74	3	Vertical	124	2.36	-								

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

25/10/2018

5775MHz_TX



EUT_Z_4TX
Setting 28
02-R-5
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	11.54048G	54.63	74.00	-19.37	14.73	3	Horizontal	307	1.50	-
AV	11.54576G	41.46	54.00	-12.54	14.73	3	Horizontal	307	1.50	-

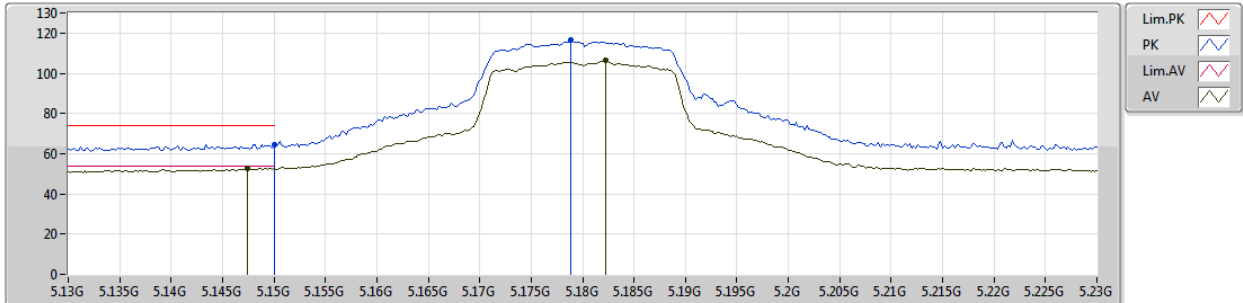
**Mode 2: 4TX/2S****Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	Pass	AV	5.1488G	53.04	54.00	-0.96	6.22	3	Vertical	106	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5180MHz_TX



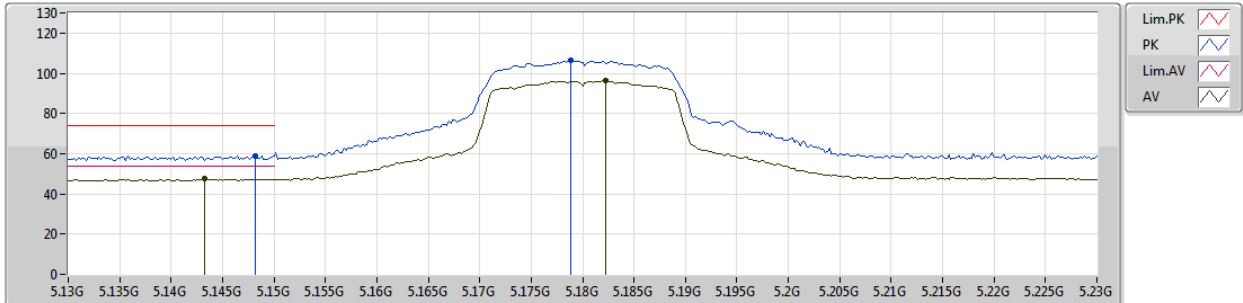
EUT_Z_4TX
Setting 29
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.15G	64.65	74.00	-9.35	6.22	3	Vertical	173	1.50	-
AV	5.1474G	52.78	54.00	-1.22	6.23	3	Vertical	173	1.50	-
PK	5.1788G	116.41	Inf	-Inf	6.21	3	Vertical	173	1.50	-
AV	5.1822G	106.30	Inf	-Inf	6.21	3	Vertical	173	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5180MHz_TX



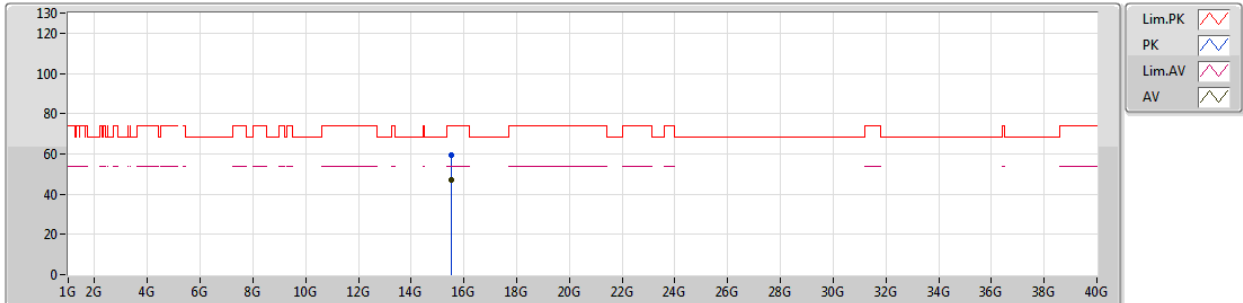
EUT_Z_4TX
Setting 29
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1482G	59.07	74.00	-14.93	6.22	3	Horizontal	293	1.67	-
AV	5.1432G	47.47	54.00	-6.53	6.23	3	Horizontal	293	1.67	-
PK	5.1788G	106.74	Inf	-Inf	6.21	3	Horizontal	293	1.67	-
AV	5.1822G	96.59	Inf	-Inf	6.21	3	Horizontal	293	1.67	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5180MHz_TX



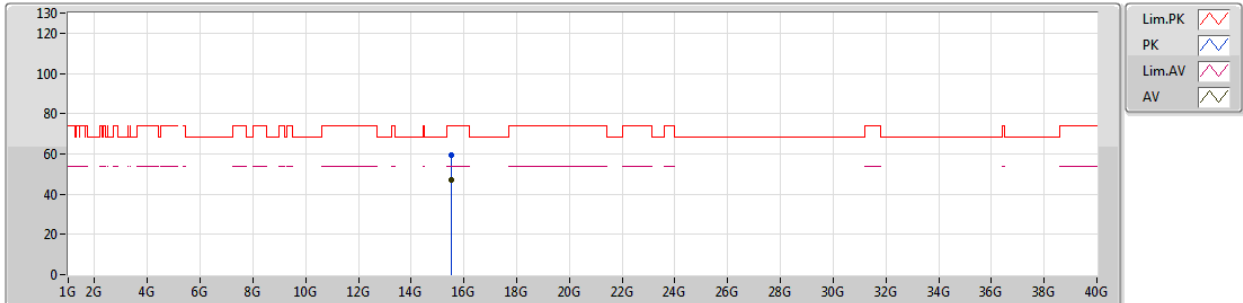
EUT_Z_4TX
Setting 29
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.5269G	59.52	74.00	-14.48	14.91	3	Vertical	80	1.50	-						
AV	15.5217G	47.09	54.00	-6.91	14.93	3	Vertical	80	1.50	-						

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5180MHz_TX



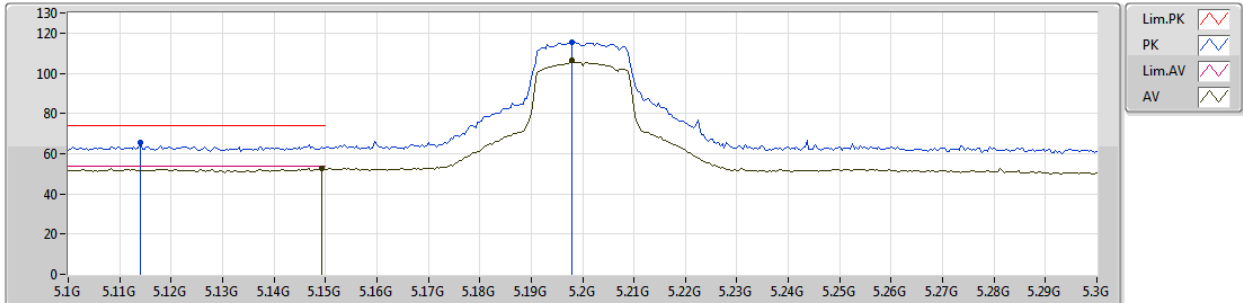
EUT_Z_4TX
Setting 29
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.5268G	59.35	74.00	-14.65	14.91	3	Horizontal	202	1.50	-						
AV	15.5419G	47.18	54.00	-6.82	14.85	3	Horizontal	202	1.50	-						

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5200MHz_TX



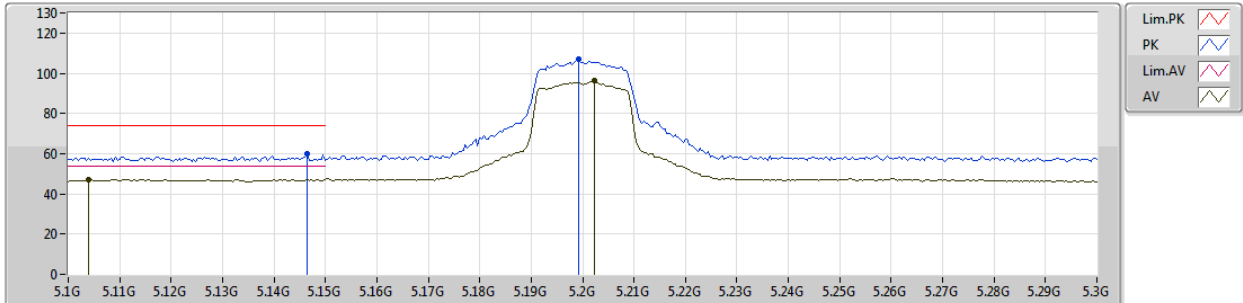
EUT_Z_4TX
Setting 29
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments								
PK	5.114G	65.58	74.00	-8.42	6.25	3	Vertical	179	1.50	-								
AV	5.1492G	52.74	54.00	-1.26	6.22	3	Vertical	179	1.50	-								
PK	5.198G	115.67	Inf	-Inf	6.20	3	Vertical	179	1.50	-								
AV	5.198G	106.22	Inf	-Inf	6.20	3	Vertical	179	1.50	-								

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5200MHz_TX



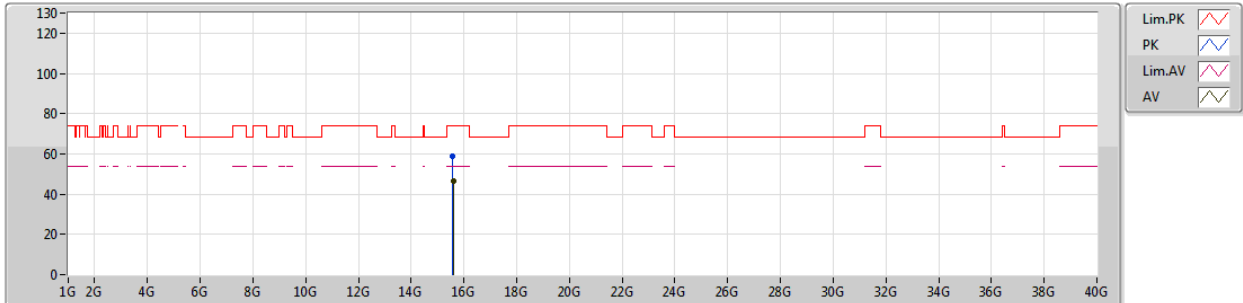
EUT_Z_4TX
Setting 29
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1464G	59.83	74.00	-14.17	6.23	3	Horizontal	293	1.50	-
AV	5.104G	47.32	54.00	-6.68	6.25	3	Horizontal	293	1.50	-
PK	5.1992G	106.89	Inf	-Inf	6.20	3	Horizontal	293	1.50	-
AV	5.2024G	96.30	Inf	-Inf	6.20	3	Horizontal	293	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5200MHz_TX



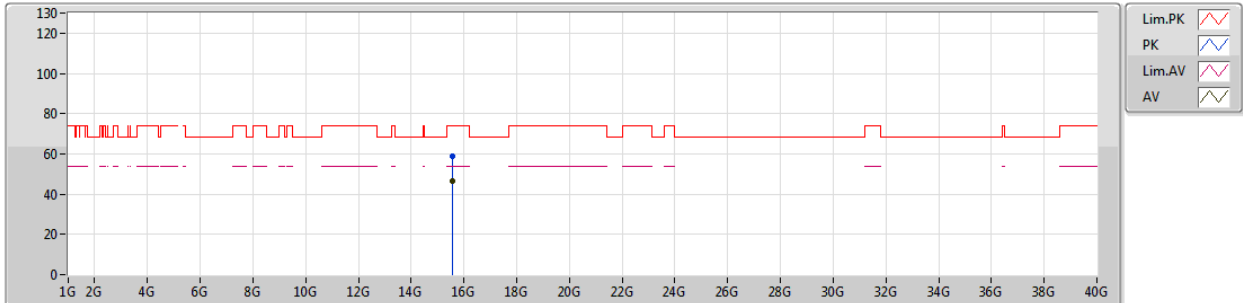
EUT_Z_4TX
Setting 29
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.5753G	59.04	74.00	-14.96	14.71	3	Vertical	49	1.50	-						
AV	15.5979G	46.71	54.00	-7.29	14.61	3	Vertical	49	1.50	-						

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5200MHz_TX



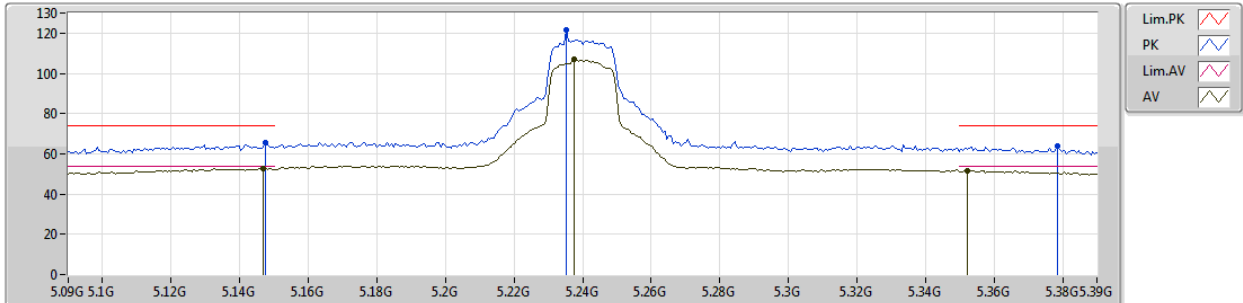
EUT_Z_4TX
Setting 29
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.5876G	58.96	74.00	-15.04	14.66	3	Horizontal	57	1.32	-						
AV	15.5788G	46.59	54.00	-7.41	14.69	3	Horizontal	57	1.32	-						

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5240MHz_TX



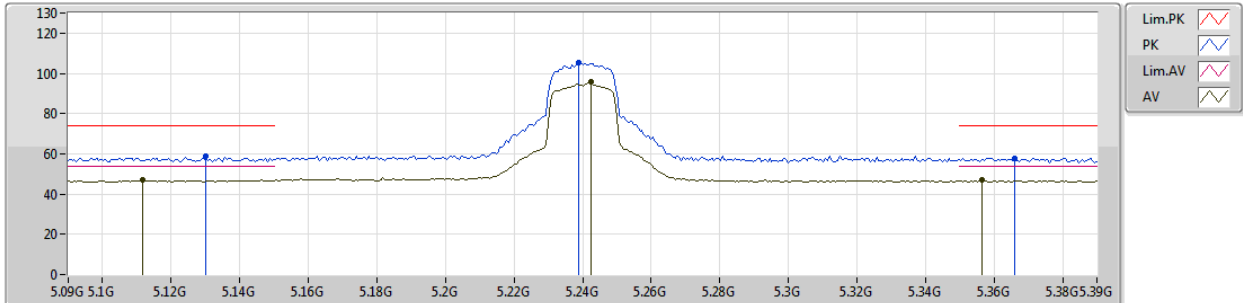
EUT_Z_4TX
Setting 30
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1476G	65.36	74.00	-8.64	6.22	3	Vertical	145	2.41	-
AV	5.147G	52.77	54.00	-1.23	6.23	3	Vertical	145	2.41	-
PK	5.2352G	121.41	Inf	-Inf	6.14	3	Vertical	145	2.41	-
AV	5.2376G	107.12	Inf	-Inf	6.13	3	Vertical	145	2.41	-
PK	5.3786G	63.66	74.00	-10.34	6.30	3	Vertical	145	2.41	-
AV	5.3522G	51.52	54.00	-2.48	6.22	3	Vertical	145	2.41	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5240MHz_TX



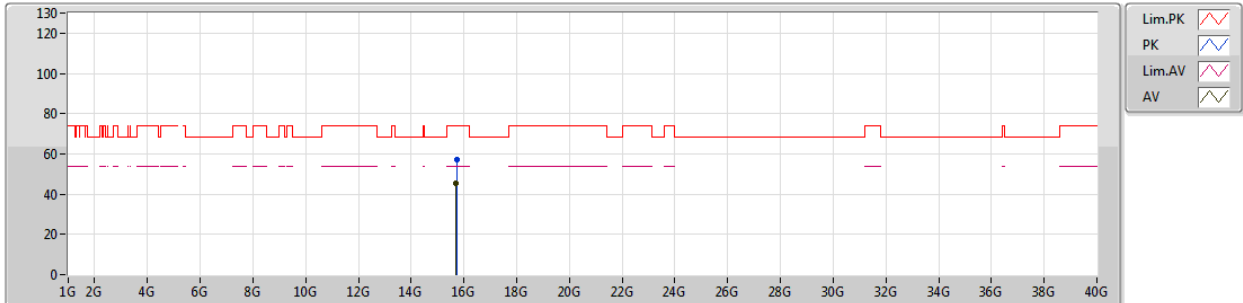
EUT_Z_4TX
Setting 30
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1302G	58.61	74.00	-15.39	6.24	3	Horizontal	86	1.48	-
AV	5.1116G	46.90	54.00	-7.10	6.25	3	Horizontal	86	1.48	-
PK	5.2388G	105.56	Inf	-Inf	6.13	3	Horizontal	86	1.48	-
AV	5.2424G	95.65	Inf	-Inf	6.13	3	Horizontal	86	1.48	-
PK	5.366G	57.96	74.00	-16.04	6.26	3	Horizontal	86	1.48	-
AV	5.3564G	46.79	54.00	-7.21	6.23	3	Horizontal	86	1.48	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5240MHz_TX



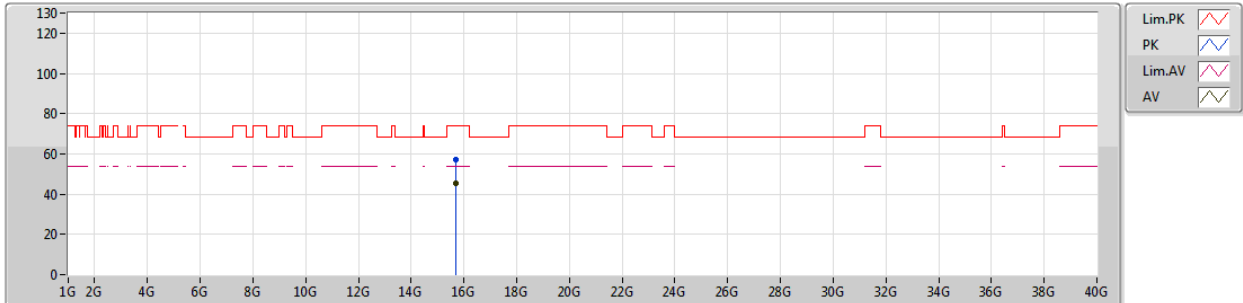
EUT_Z_4TX
Setting 30
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.7347G	57.41	74.00	-16.59	14.02	3	Vertical	236	1.50	-
AV	15.6951G	45.36	54.00	-8.64	14.19	3	Vertical	236	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5240MHz_TX



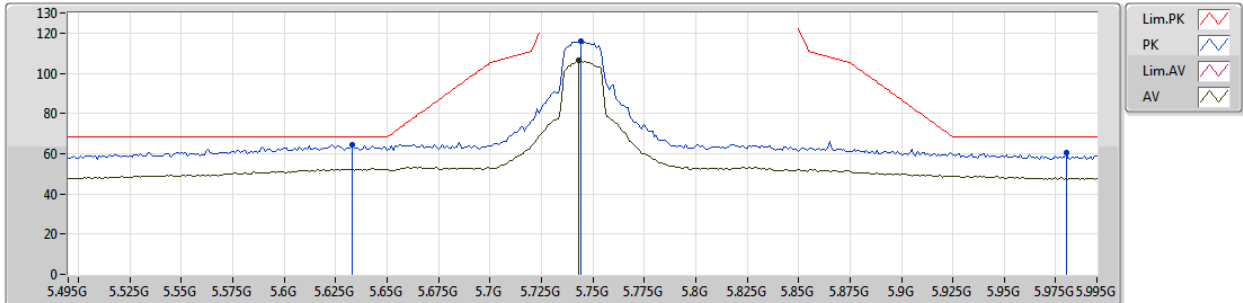
EUT_Z_4TX
Setting 30
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.7106G	57.38	74.00	-16.62	14.13	3	Horizontal	161	1.78	-						
AV	15.696G	45.12	54.00	-8.88	14.19	3	Horizontal	161	1.78	-						

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5745MHz_TX



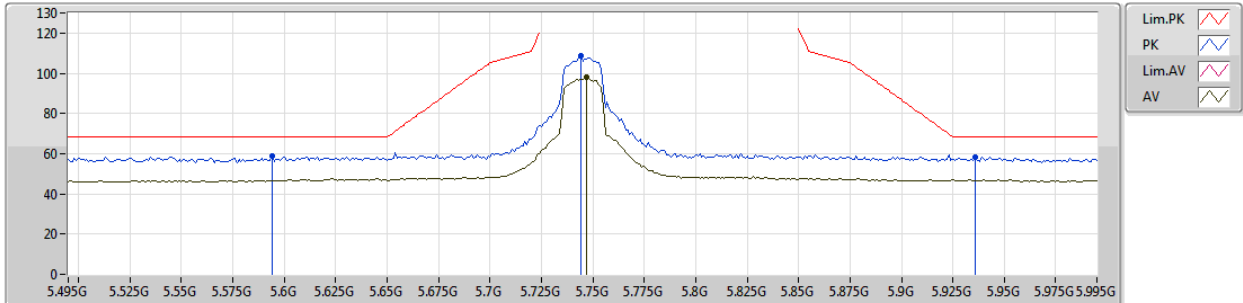
EUT_Z_4TX
Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.633G	64.23	68.20	-3.97	6.46	3	Vertical	175	1.50	-
PK	5.744G	115.93	Inf	-Inf	6.71	3	Vertical	175	1.50	-
AV	5.743G	106.52	Inf	-Inf	6.71	3	Vertical	175	1.50	-
PK	5.98G	60.73	68.20	-7.47	7.13	3	Vertical	175	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5745MHz_TX



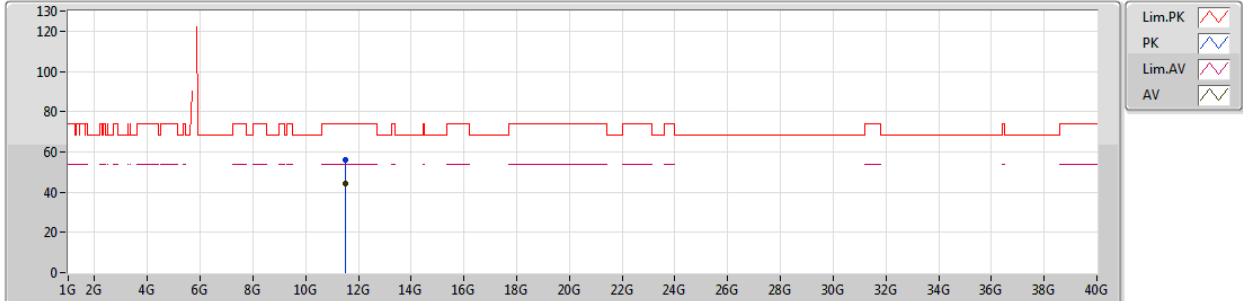
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Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.594G	58.72	68.20	-9.48	6.39	3	Horizontal	82	1.48	-
PK	5.744G	108.69	Inf	-Inf	6.71	3	Horizontal	82	1.48	-
AV	5.747G	97.82	Inf	-Inf	6.71	3	Horizontal	82	1.48	-
PK	5.936G	58.54	68.20	-9.66	7.03	3	Horizontal	82	1.48	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5745MHz_TX



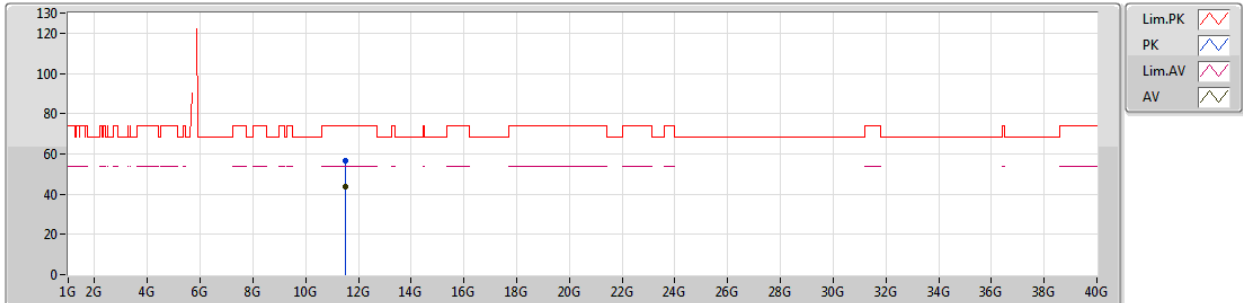
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.4905G	56.21	74.00	-17.79	14.26	3	Vertical	8	1.16	-
AV	11.4875G	44.01	54.00	-9.99	14.26	3	Vertical	8	1.16	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5745MHz_TX



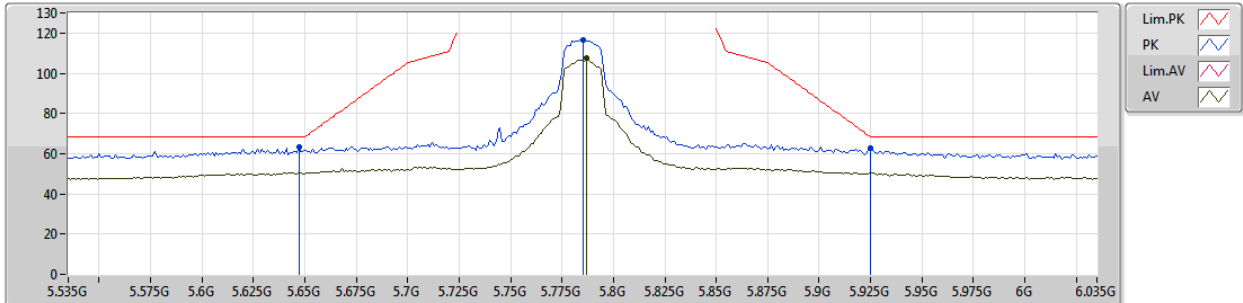
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.5021G	56.61	74.00	-17.39	14.26	3	Horizontal	250	1.27	-
AV	11.4932G	43.84	54.00	-10.16	14.26	3	Horizontal	250	1.27	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5785MHz_TX



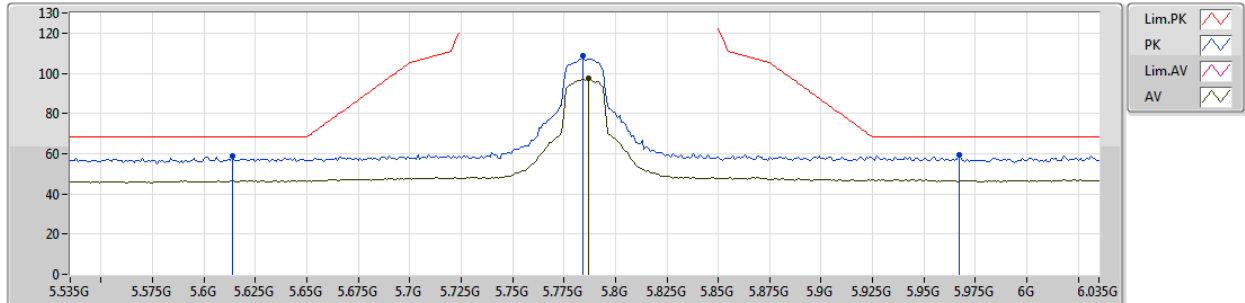
EUT Z_4TX
Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.647G	63.18	68.20	-5.02	6.48	3	Vertical	168	1.49	-
PK	5.785G	116.59	Inf	-Inf	6.80	3	Vertical	168	1.49	-
AV	5.787G	107.31	Inf	-Inf	6.80	3	Vertical	168	1.49	-
PK	5.925G	62.49	68.20	-5.71	7.01	3	Vertical	168	1.49	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5785MHz_TX



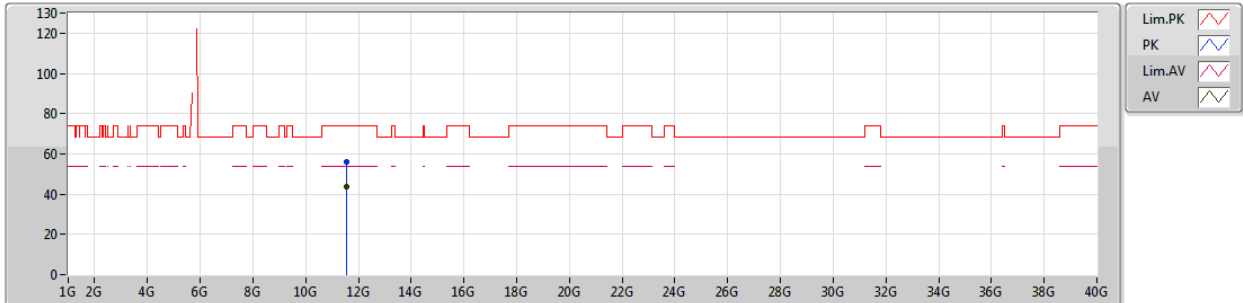
EUT_Z_4TX
Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.614G	58.66	68.20	-9.54	6.41	3	Horizontal	84	1.20	-
PK	5.784G	108.52	Inf	-Inf	6.80	3	Horizontal	84	1.20	-
AV	5.787G	97.27	Inf	-Inf	6.80	3	Horizontal	84	1.20	-
PK	5.967G	59.17	68.20	-9.03	7.09	3	Horizontal	84	1.20	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5785MHz_TX



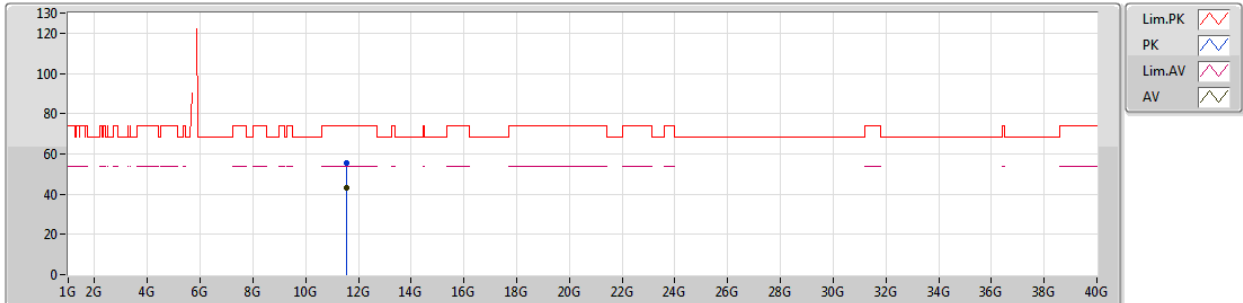
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)									
PK	11.5688G	55.87	74.00	-18.13	14.18	3	Vertical	17	2.61	-								
AV	11.5618G	43.60	54.00	-10.40	14.19	3	Vertical	17	2.61	-								

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5785MHz_TX



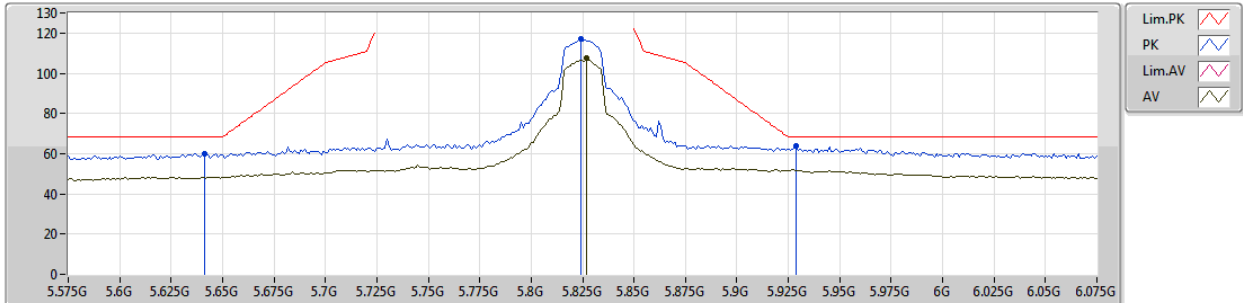
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	11.5677G	55.35	74.00	-18.65	14.19	3	Horizontal	43	1.50	-						
AV	11.558G	43.03	54.00	-10.97	14.19	3	Horizontal	43	1.50	-						

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5825MHz_TX



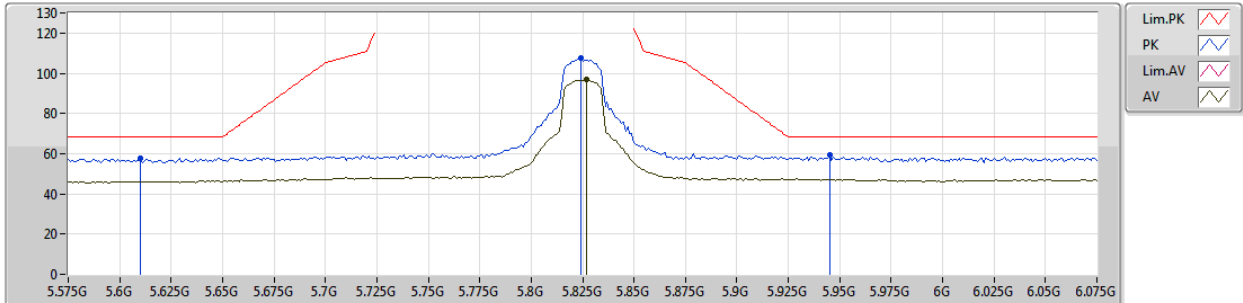
EUT_Z_4TX
Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.641G	60.10	68.20	-8.10	6.47	3	Vertical	166	1.50	-
PK	5.824G	117.36	Inf	-Inf	6.85	3	Vertical	166	1.50	-
AV	5.827G	107.61	Inf	-Inf	6.87	3	Vertical	166	1.50	-
PK	5.929G	63.90	68.20	-4.30	7.02	3	Vertical	166	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5825MHz_TX



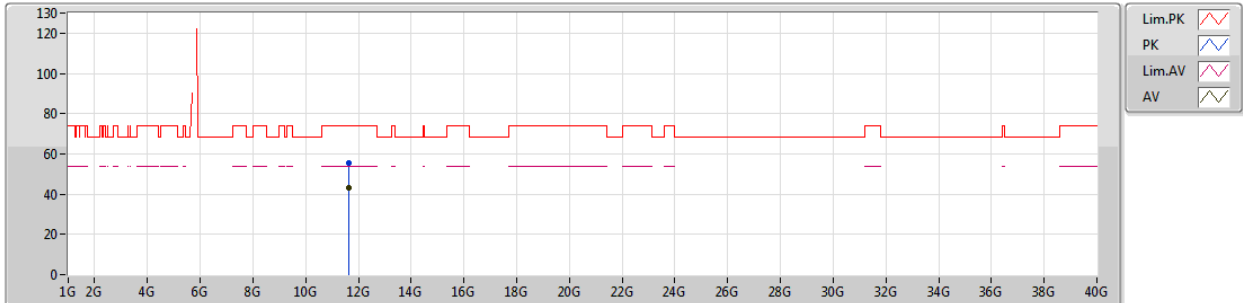
EUT_Z_4TX
Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.61G	57.70	68.20	-10.50	6.40	3	Horizontal	82	1.50	-
PK	5.824G	107.77	Inf	-Inf	6.85	3	Horizontal	82	1.50	-
AV	5.827G	97.19	Inf	-Inf	6.87	3	Horizontal	82	1.50	-
PK	5.945G	59.55	68.20	-8.65	7.05	3	Horizontal	82	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5825MHz_TX



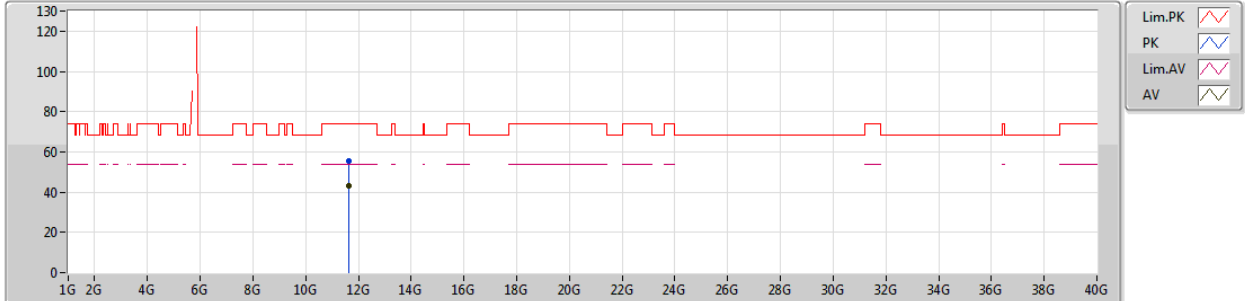
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.6422G	55.38	74.00	-18.62	14.09	3	Vertical	79	1.50	-
AV	11.6329G	43.13	54.00	-10.87	14.10	3	Vertical	79	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

30/10/2018

5825MHz_TX



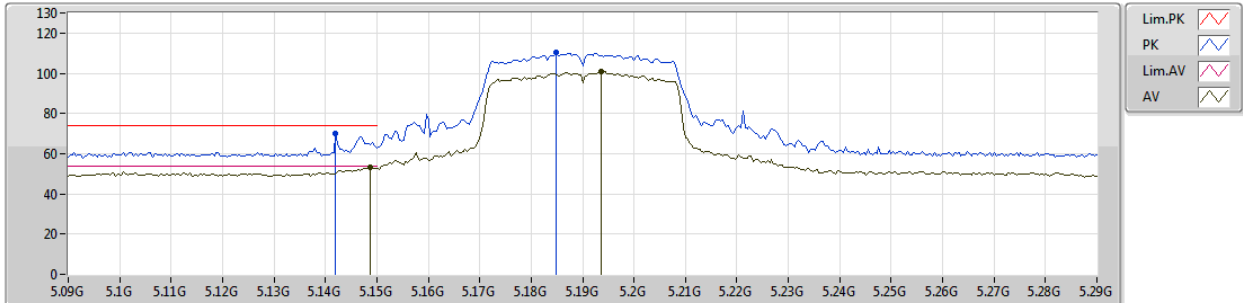
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.6416G	55.38	74.00	-18.62	14.09	3	Horizontal	63	1.81	-
AV	11.6346G	43.26	54.00	-10.74	14.10	3	Horizontal	63	1.81	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5190MHz_TX



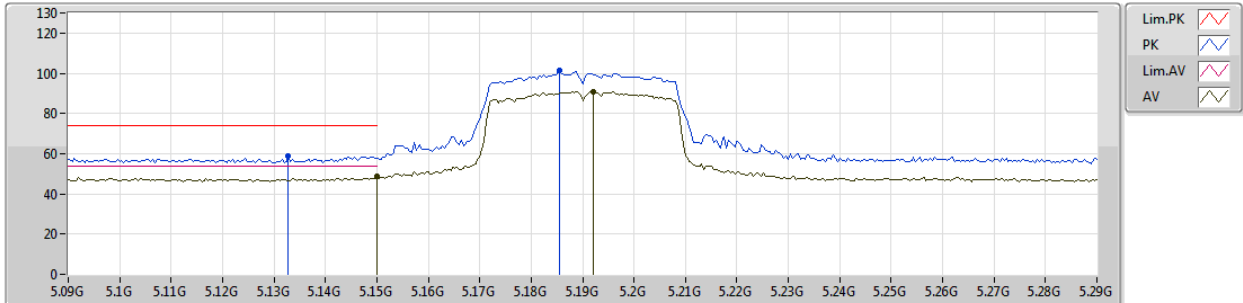
EUT_Z_4TX
Setting 25
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.142G	70.15	74.00	-3.85	6.24	3	Vertical	106	1.50	-
AV	5.1488G	53.04	54.00	-0.96	6.22	3	Vertical	106	1.50	-
PK	5.1848G	110.53	Inf	-Inf	6.21	3	Vertical	106	1.50	-
AV	5.1936G	101.01	Inf	-Inf	6.20	3	Vertical	106	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5190MHz_TX



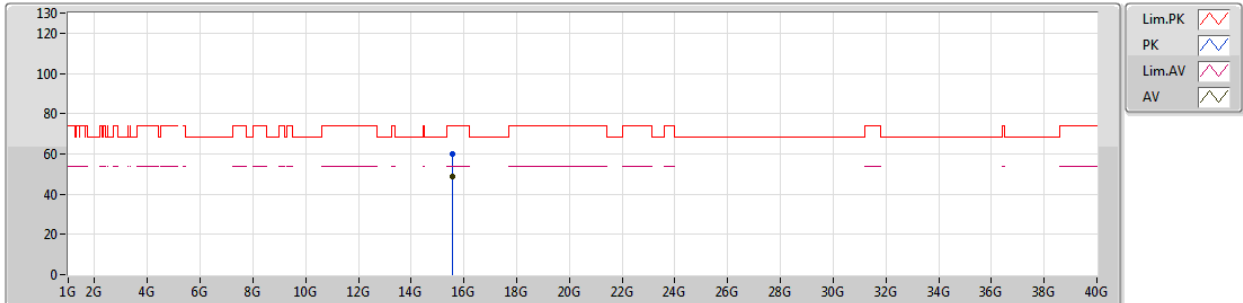
EUT Z_4TX
Setting 25
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1328G	58.68	74.00	-15.32	6.24	3	Horizontal	294	1.50	-
AV	5.15G	48.76	54.00	-5.24	6.22	3	Horizontal	294	1.50	-
PK	5.1856G	101.18	Inf	-Inf	6.21	3	Horizontal	294	1.50	-
AV	5.192G	90.92	Inf	-Inf	6.21	3	Horizontal	294	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5190MHz_TX



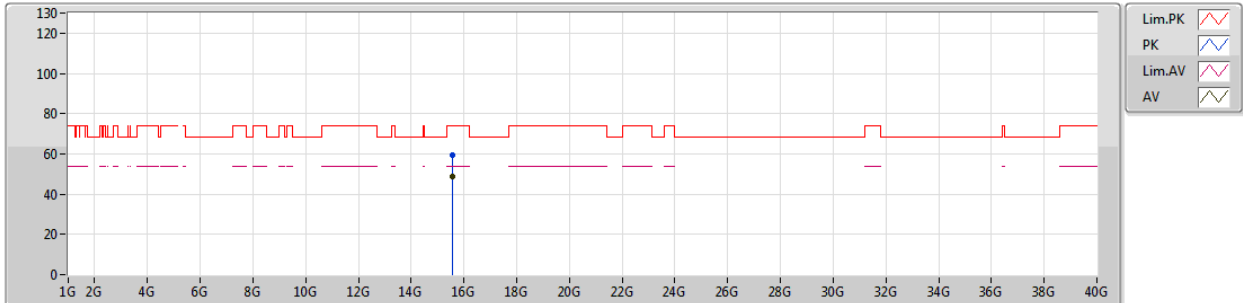
EUT_Z_4TX
Setting 25
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.5575G	59.87	74.00	-14.13	14.78	3	Vertical	95	1.50	-						
AV	15.5549G	48.57	54.00	-5.43	14.79	3	Vertical	95	1.50	-						

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5190MHz_TX



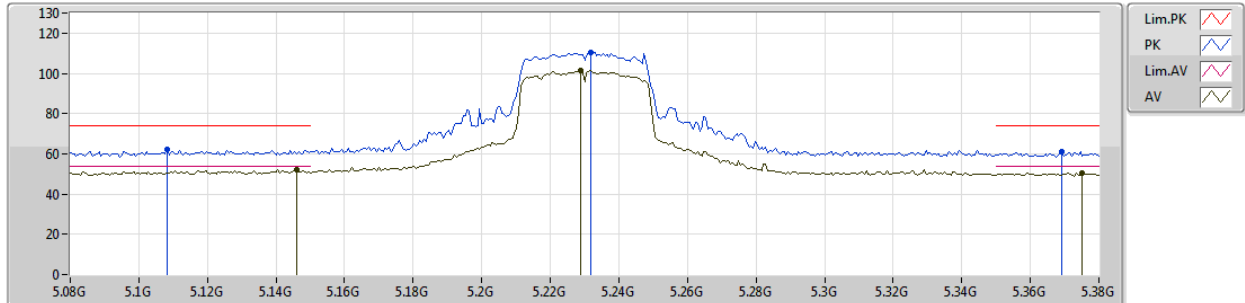
EUT_Z_4TX
Setting 25
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.5527G	59.16	74.00	-14.84	14.80	3	Horizontal	283	1.50	-						
AV	15.5569G	48.86	54.00	-5.14	14.78	3	Horizontal	283	1.50	-						

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5230MHz_TX



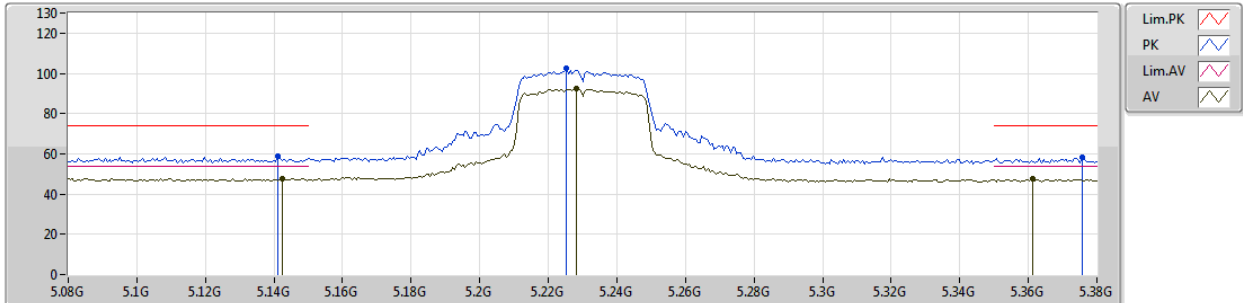
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Setting 27
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1082G	61.95	74.00	-12.05	6.25	3	Vertical	143	1.50	-
AV	5.146G	52.14	54.00	-1.86	6.23	3	Vertical	143	1.50	-
PK	5.2318G	110.61	Inf	-Inf	6.15	3	Vertical	143	1.50	-
AV	5.2288G	101.29	Inf	-Inf	6.15	3	Vertical	143	1.50	-
PK	5.3692G	60.95	74.00	-13.05	6.27	3	Vertical	143	1.50	-
AV	5.3752G	50.51	54.00	-3.49	6.29	3	Vertical	143	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5230MHz_TX



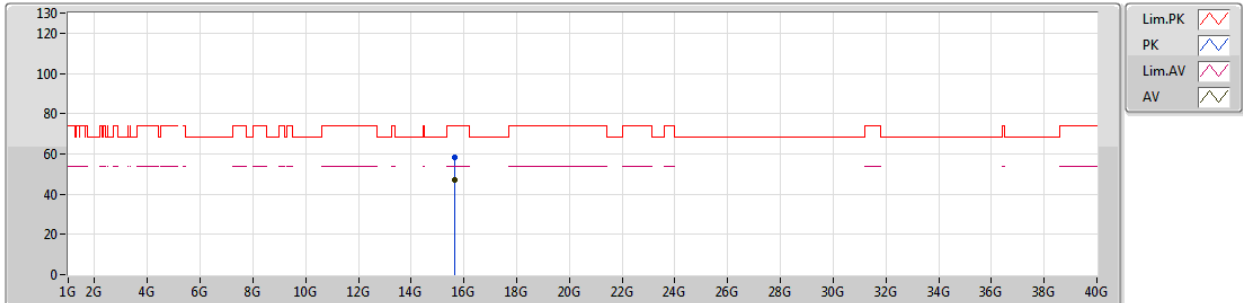
EUT_Z_4TX
Setting 27
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.1412G	59.09	74.00	-14.91	6.24	3	Horizontal	294	1.62	-
AV	5.1424G	47.85	54.00	-6.15	6.24	3	Horizontal	294	1.62	-
PK	5.2252G	102.29	Inf	-Inf	6.16	3	Horizontal	294	1.62	-
AV	5.2282G	92.36	Inf	-Inf	6.15	3	Horizontal	294	1.62	-
PK	5.3758G	58.01	74.00	-15.99	6.29	3	Horizontal	294	1.62	-
AV	5.3614G	47.43	54.00	-6.57	6.24	3	Horizontal	294	1.62	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5230MHz_TX



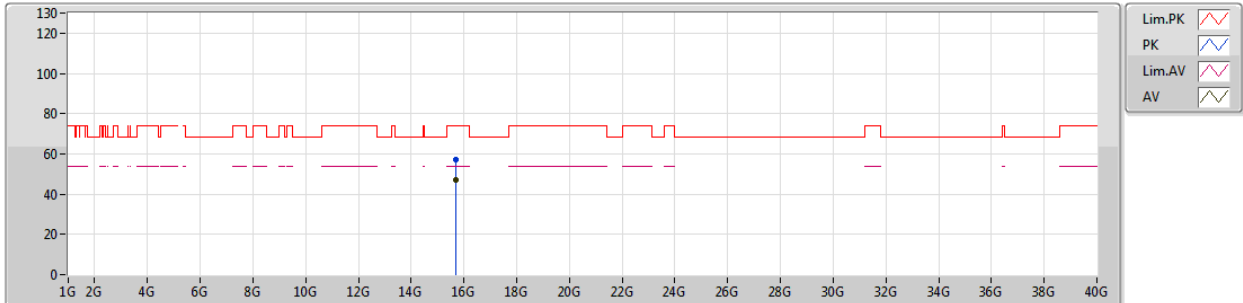
EUT_Z_4TX
Setting 27
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.6721G	58.29	74.00	-15.71	14.29	3	Vertical	119	1.96	-
AV	15.6726G	47.27	54.00	-6.73	14.29	3	Vertical	119	1.96	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5230MHz_TX



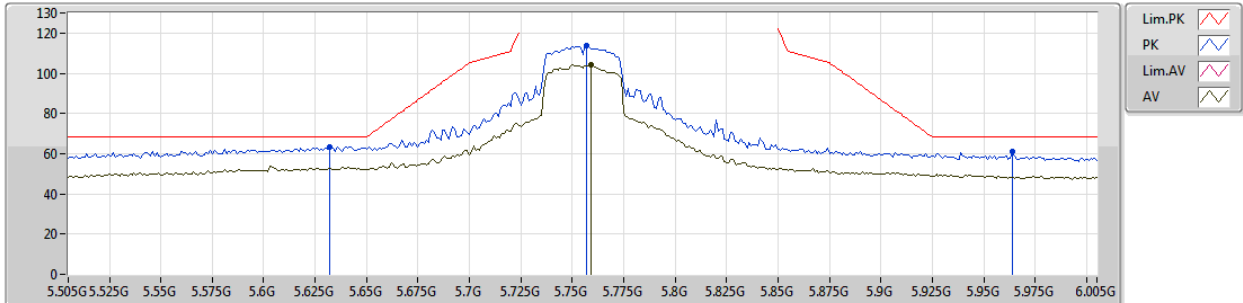
EUT_Z_4TX
Setting 27
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)							
PK	15.676G	57.36	74.00	-16.64	14.28	3	Horizontal	52	1.45	-						
AV	15.6831G	46.79	54.00	-7.21	14.25	3	Horizontal	52	1.45	-						

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5755MHz_TX



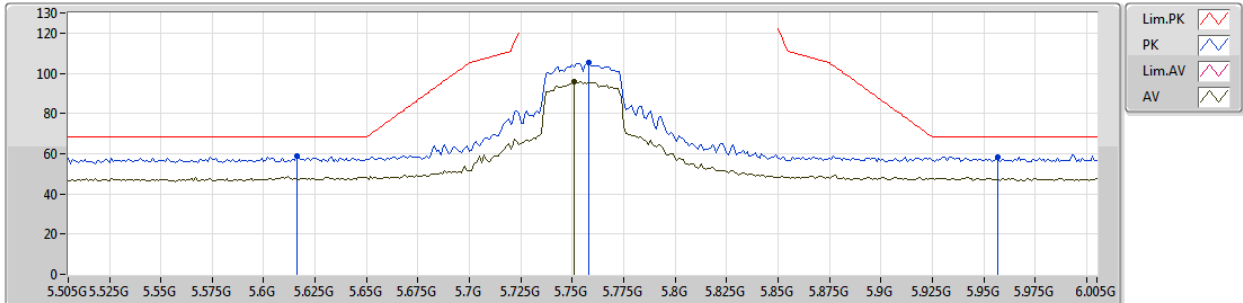
EUT_Z_4TX
Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.632G	63.56	68.20	-4.64	6.45	3	Vertical	87	1.50	-
PK	5.757G	113.81	Inf	-Inf	6.73	3	Vertical	87	1.50	-
AV	5.759G	104.44	Inf	-Inf	6.74	3	Vertical	87	1.50	-
PK	5.964G	60.95	68.20	-7.25	7.09	3	Vertical	87	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5755MHz_TX



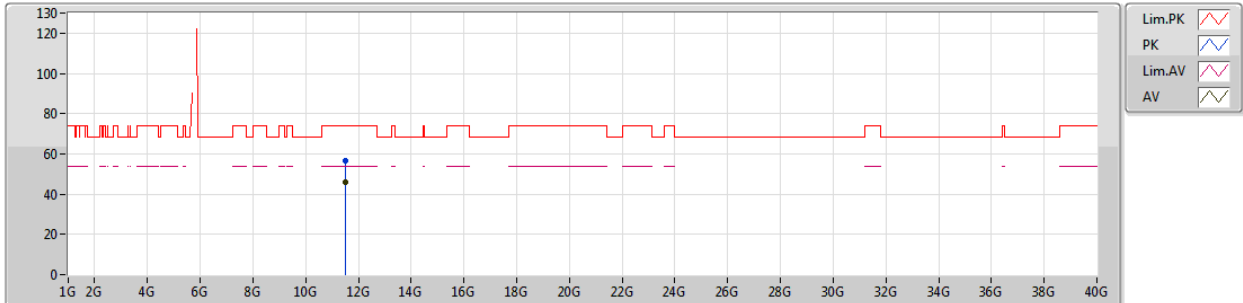
EUT Z_4TX
Setting 35
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.616G	58.84	68.20	-9.36	6.41	3	Horizontal	86	1.22	-
PK	5.758G	105.61	Inf	-Inf	6.74	3	Horizontal	86	1.22	-
AV	5.751G	95.88	Inf	-Inf	6.72	3	Horizontal	86	1.22	-
PK	5.957G	58.33	68.20	-9.87	7.07	3	Horizontal	86	1.22	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5755MHz_TX



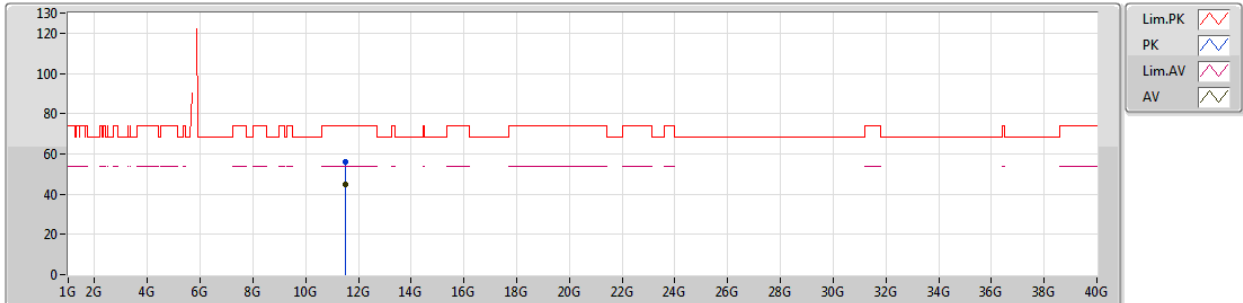
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)									
PK	11.5009G	56.77	74.00	-17.23	14.26	3	Vertical	228	2.86	-								
AV	11.5166G	45.72	54.00	-8.28	14.23	3	Vertical	228	2.86	-								

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5755MHz_TX



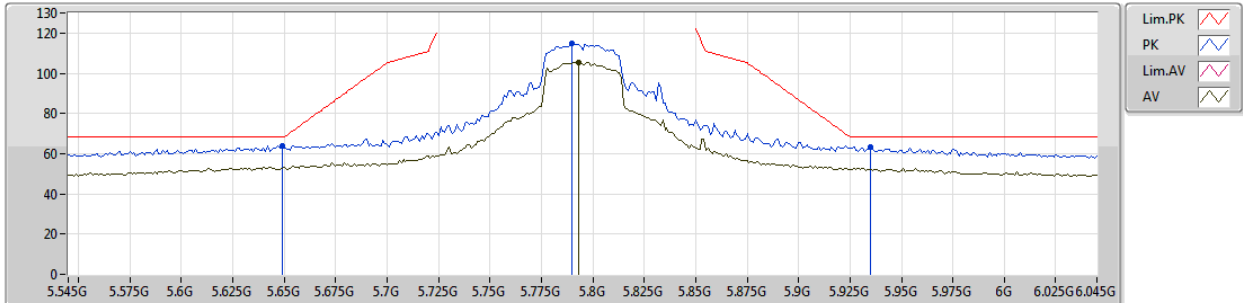
EUT_Z_4TX
Setting 35
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.5104G	56.21	74.00	-17.79	14.25	3	Horizontal	56	1.50	-
AV	11.5063G	45.03	54.00	-8.97	14.25	3	Horizontal	56	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5795MHz_TX



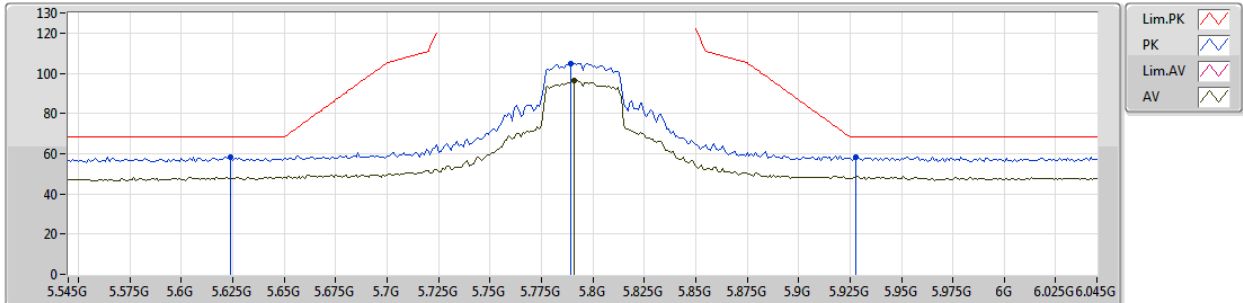
EUT_Z_4TX
Setting 37
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.649G	63.88	68.20	-4.32	6.49	3	Vertical	167	1.68	-
PK	5.79G	115.11	Inf	-Inf	6.81	3	Vertical	167	1.68	-
AV	5.793G	105.56	Inf	-Inf	6.82	3	Vertical	167	1.68	-
PK	5.935G	63.13	68.20	-5.07	7.03	3	Vertical	167	1.68	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5795MHz_TX



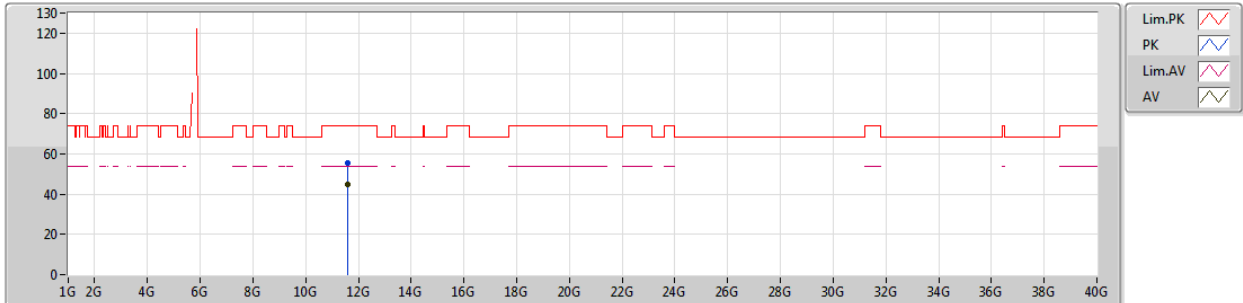
EUT_Z_4TX
Setting 37
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.624G	58.42	68.20	-9.78	6.44	3	Horizontal	83	1.50	-
PK	5.789G	104.94	Inf	-Inf	6.81	3	Horizontal	83	1.50	-
AV	5.791G	96.37	Inf	-Inf	6.81	3	Horizontal	83	1.50	-
PK	5.928G	58.39	68.20	-9.81	7.02	3	Horizontal	83	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5795MHz_TX



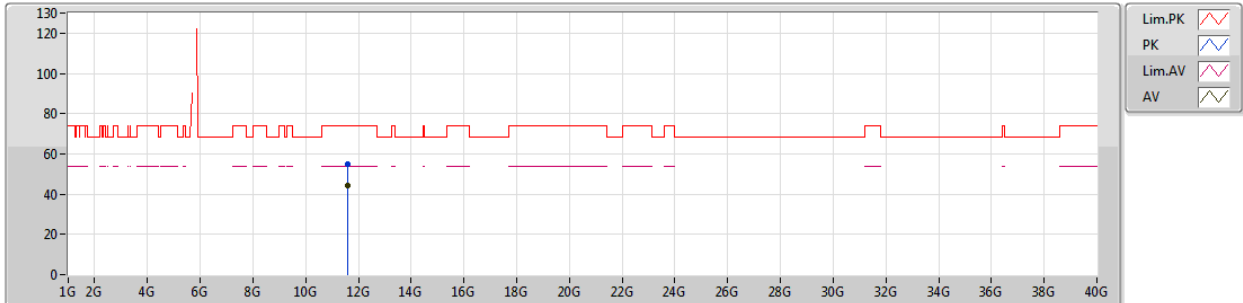
EUT_Z_4TX
Setting 37
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.588G	55.69	74.00	-18.31	14.15	3	Vertical	235	1.50	-
AV	11.6121G	45.02	54.00	-8.98	14.13	3	Vertical	235	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

30/10/2018

5795MHz_TX



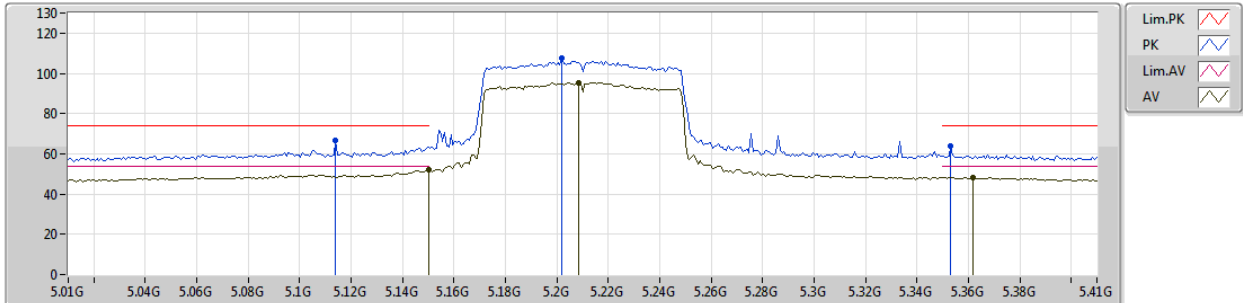
EUT_Z_4TX
Setting 37
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.6081G	55.19	74.00	-18.81	14.13	3	Horizontal	225	2.55	-
AV	11.6076G	44.52	54.00	-9.48	14.13	3	Horizontal	225	2.55	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

30/10/2018

5210MHz_TX



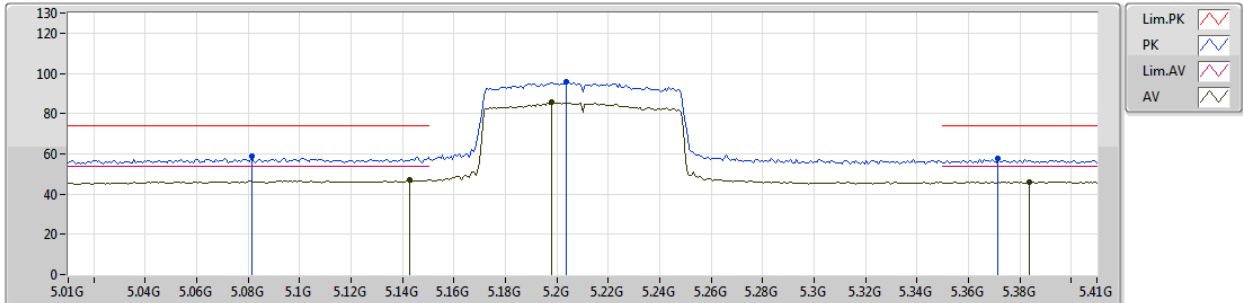
EUT_Z_4TX
Setting 22
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.114G	66.69	74.00	-7.31	6.25	3	Vertical	215	1.50	-
AV	5.15G	52.23	54.00	-1.77	6.22	3	Vertical	215	1.50	-
PK	5.202G	107.53	Inf	-Inf	6.20	3	Vertical	215	1.50	-
AV	5.2084G	95.26	Inf	-Inf	6.18	3	Vertical	215	1.50	-
PK	5.3532G	63.76	74.00	-10.24	6.22	3	Vertical	215	1.50	-
AV	5.362G	48.04	54.00	-5.96	6.25	3	Vertical	215	1.50	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

30/10/2018

5210MHz_TX



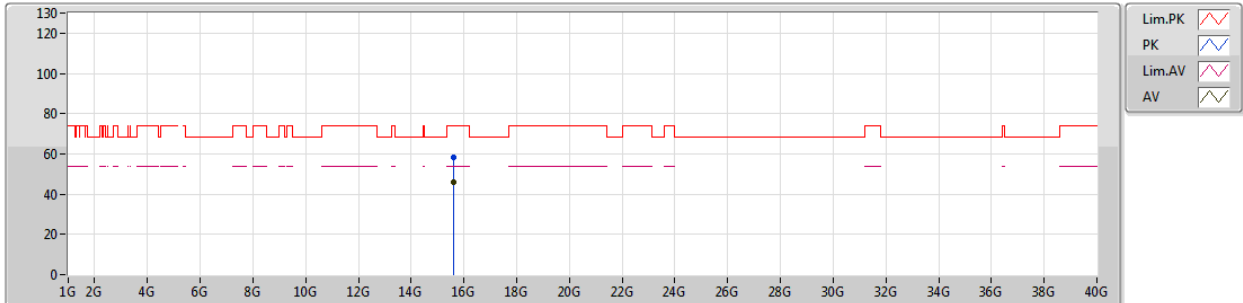
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Setting 22
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.0812G	58.58	74.00	-15.42	6.17	3	Horizontal	68	1.50	-
AV	5.1428G	47.04	54.00	-6.96	6.23	3	Horizontal	68	1.50	-
PK	5.2036G	95.56	Inf	-Inf	6.19	3	Horizontal	68	1.50	-
AV	5.198G	85.57	Inf	-Inf	6.20	3	Horizontal	68	1.50	-
PK	5.3716G	57.73	74.00	-16.27	6.27	3	Horizontal	68	1.50	-
AV	5.3836G	46.09	54.00	-7.91	6.32	3	Horizontal	68	1.50	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

30/10/2018

5210MHz_TX



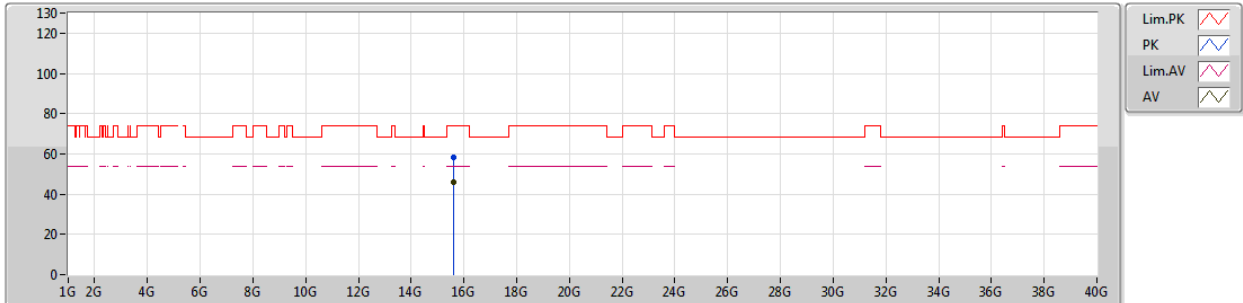
EUT_Z_4TX
Setting 22
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.6054G	58.41	74.00	-15.59	14.58	3	Vertical	327	1.50	-
AV	15.6169G	46.11	54.00	-7.89	14.52	3	Vertical	327	1.50	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

30/10/2018

5210MHz_TX



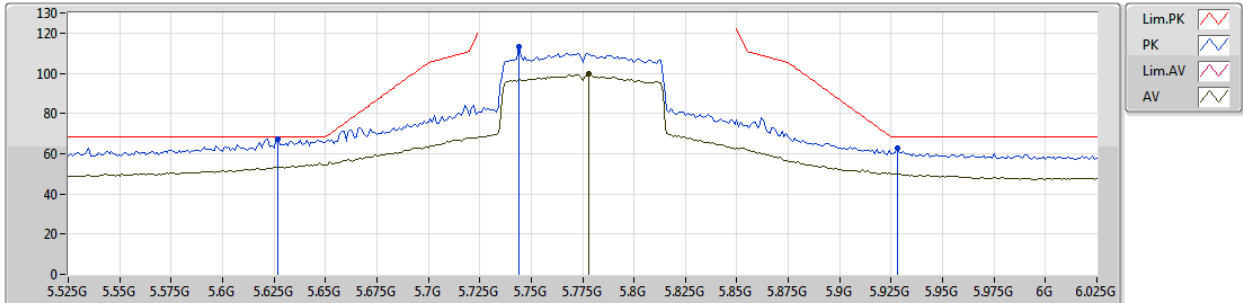
EUT_Z_4TX
Setting 22
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	15.6131G	58.09	74.00	-15.91	14.54	3	Horizontal	272	2.31	-
AV	15.6069G	46.09	54.00	-7.91	14.57	3	Horizontal	272	2.31	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

30/10/2018

5775MHz_TX



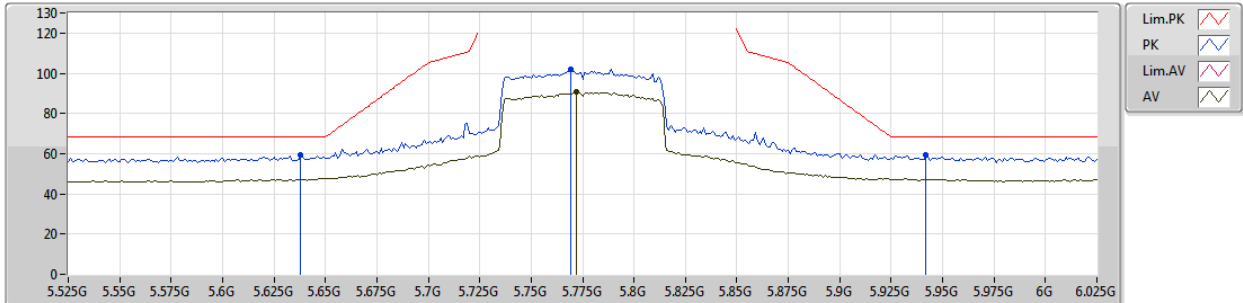
EUT_Z_4TX
Setting 33
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.627G	67.23	68.20	-0.97	6.44	3	Vertical	152	1.68	-
PK	5.744G	113.07	Inf	-Inf	6.71	3	Vertical	152	1.68	-
AV	5.778G	99.60	Inf	-Inf	6.79	3	Vertical	152	1.68	-
PK	5.928G	62.84	68.20	-5.36	7.02	3	Vertical	152	1.68	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

30/10/2018

5775MHz_TX



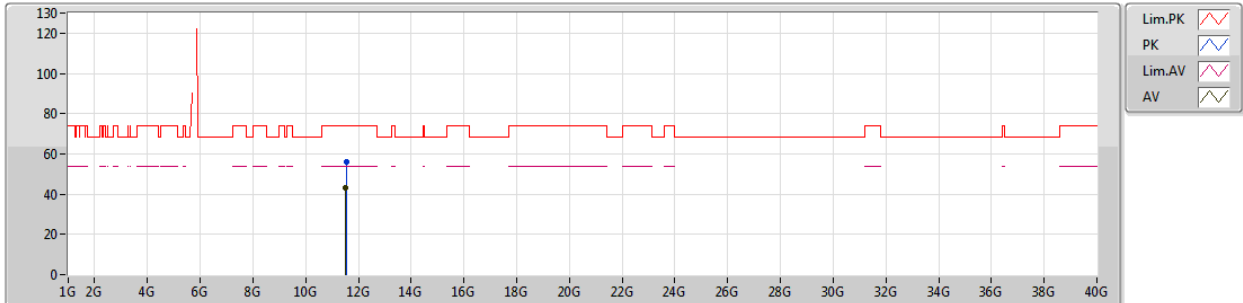
EUT Z_4TX
Setting 33
04-E-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
PK	5.638G	59.33	68.20	-8.87	6.47	3	Horizontal	86	1.06	-
PK	5.769G	102.15	Inf	-Inf	6.76	3	Horizontal	86	1.06	-
AV	5.772G	90.96	Inf	-Inf	6.76	3	Horizontal	86	1.06	-
PK	5.942G	59.51	68.20	-8.69	7.04	3	Horizontal	86	1.06	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

30/10/2018

5775MHz_TX



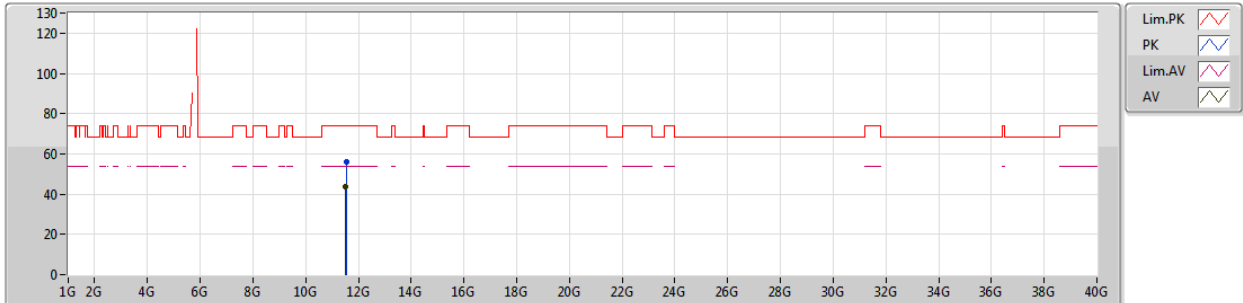
EUT_Z_4TX
Setting 33
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Pol.	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)	(H/V)	(°)	(m)	
PK	11.5413G	55.85	74.00	-18.15	14.21	3	Vertical	301	1.78	-
AV	11.5281G	43.34	54.00	-10.66	14.22	3	Vertical	301	1.78	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

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5775MHz_TX



EUT_Z_4TX
Setting 33
04-E-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments							
PK	11.5428G	56.02	74.00	-17.98	14.21	3	Horizontal	2	1.92	-							
AV	11.5253G	43.43	54.00	-10.57	14.22	3	Horizontal	2	1.92	-							



RSE Co-location Result

Appendix F

