



FCC RADIO TEST REPORT

FCC ID : YUATLDPM01D1
Equipment : Enterprise Access Router
Brand Name : Teldat
Model Name : TLDPM01D1, TLDPM02D1
Applicant : Teldat S.A.
Parque Tecnológico de Madrid, Tres Cantos 28760 Madrid
Manufacturer : Teldat S.A.
Parque Tecnológico de Madrid, Tres Cantos 28760 Madrid
Factory : CastleNet Tech Inc.
No.64, Chung-Shan Rd., Tu-Cheng Dist., New Taipei 23680,
Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 26, 2019, and testing was started from Mar. 26, 2019 and completed on Jun. 13, 2019. 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: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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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 test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

- 1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
- 2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Viola Huang



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX

Note:

- ◆ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40, 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.
- ◆ The EUT contains a certified RF module (FCC ID: N7NEM7455).



1.1.2 Antenna Information

For WLAN antenna

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	WALSIN	RFMTA441122IMLB701	PIFA Antenna	I-PEX	Note1
2	2	WALSIN	RFMTA441110IMLB701	PIFA Antenna	I-PEX	

For WWAN antenna

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
3	1	WALSIN	RFDPA222200SMTB803	Dipole Antenna	SMA Plug	Note1
4	2	WALSIN	RFDPA222200SMTB803	Dipole Antenna	SMA Plug	

For GPS antenna

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
5	1	ANTENNAE2J	2J660B-2J409-250RG17 4LL-C20N-C04N-ETXES	Combined Antenna	SMA	2.20

Note1:

WLAN antenna Gain (dBi)				
Ant.	Port	2.4GHz	5G Band 1	5G Band 4
1	1	3.28	4.58	4.06
2	2	3.28	4.58	4.06

WWAN antenna Gain (dBi)					
Ant.	Port	698MHz~960MHz	1400MHz~1500MHz	1710MHz~2170MHz	2300MHz~2690MHz
3	1	2.06	4.03	4.99	3.69
4	2	2.06	4.03	4.99	3.69

Note2: The above information was declared by manufacturer.

Note3: Ant.1 and Ant. 2 for wifi antenna, Ant.3 and Ant.4 for WWAN antenna, Ant. 5 for GPS antenna.

For wifi function (2TX/2RX):

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

Port 1 and Port 2 can could transmit/receive simultaneously.

For WWAN function (1TX/2RX):

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

Port 1 and Port 2 can could receive simultaneously.

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit functions, but only one of them will be used at one time.

For GPS function (1RX):

Only Port 1 can be used as receiving antenna.



1.1.3 Mode Test Duty Cycle

For Non-beamforming mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.962	0.168	2.068m	1k
802.11ac VHT20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.97	0.132	2.44m	1k
802.11ac VHT80	0.938	0.278	1.15m	1k

For beamforming mode

Mode	DC	DCF(dB)
802.11ac VHT20-BF	0.875	0.58
802.11ac VHT40-BF	0.842	0.75
802.11ac VHT80-BF	0.843	0.74

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter		
Beamforming Function	<input checked="" type="checkbox"/> With beamforming for 802.11ac in 5GHz	<input type="checkbox"/> Without beamforming	
Function	<input type="checkbox"/> Outdoor P2M	<input checked="" type="checkbox"/> Indoor P2M	
	<input type="checkbox"/> Fixed P2P	<input type="checkbox"/> Client	
Test Software Version	QCA Radio Control Toolkit v3.0.298.0		

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Brand Name	EUT	Model Name	SKU	Description
Teldat	1	TLDPM01D1	SKU 2	Wi-Fi
	2	TLDPM02D1	SKU 2	Wi-Fi + LTE EM7455

From the above models, model: TLDPM02D1 was selected as representative model for the test and its data was recorded in this report.

1.1.6 Table of WWAN module function

Model Name	FCC ID	Module	Function
EM7455	N7NEM7455	1	LTE: B13 & WCDMA: B4



1.2 Applicable 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
- ◆ FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location		
<input type="checkbox"/>	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
<input checked="" type="checkbox"/>	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	Welson Chen	22~24°C / 54~56%	Mar. 28, 2019 ~ May 21, 2019
Radiated below 1GHz	03CH06-CB	Cola Fan	22~24°C / 50~60%	May 14, 2019~Jun. 13, 2019
Radiated above 1GHz	03CH04-CB	Welson Chen	21~23°C / 53~55%	Mar. 26, 2019 ~ May 21, 2019
AC Conduction	CO02-CB	Deven Huang	24~25°C / 59~61%	May 10, 2019

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086B 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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 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

For Non-beamforming mode

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	21
5200MHz	21.5
5240MHz	21.5
5745MHz	21.5
5785MHz	21.5
5825MHz	21.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	21
5200MHz	21.5
5240MHz	21.5
5745MHz	21.5
5785MHz	21.5
5825MHz	21.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	17
5230MHz	21
5755MHz	21
5795MHz	21
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	16.5
5775MHz	20.5



For beamforming mode

Mode	PowerSetting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	23
5200MHz	23
5240MHz	23
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	21
5230MHz	22
5755MHz	23
5795MHz	23
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	20
5775MHz	23

Note:

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



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT 2 + GPS + WiFi + Fiber Mode + Sim card 1 + LTE B13 (EM7455)
2	EUT 2 + GPS + WiFi + WAN Mode + Sim card 1 + LTE B13 (EM7455)
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT 2 + GPS + WiFi + WAN Mode + Sim card 1 + WCDMA B4 (EM7455)
Mode 2 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT 2 + GPS + WiFi + WAN Mode + Sim card 2 + LTE B13 (EM7455)
Mode 4 generated the worst test result, so it was recorded in this 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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT 2 + GPS + WiFi + Fiber Mode + Sim card 1 + LTE B13 (EM7455)
2	EUT 2 + GPS + WiFi + WAN Mode + Sim card 1 + LTE B13 (EM7455)
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT 2 + GPS + WiFi + Fiber Mode + Sim card 1 + WCDMA B4 (EM7455)
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT 2 + GPS + WiFi + Fiber Mode + Sim card 2 + LTE B13 (EM7455)
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX



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

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 + WCDMA (EM7455)
2	WLAN 2.4GHz + WLAN 5GHz + LTE (EM7455)

Refer to Sporton Test Report No.: FA932105 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:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

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

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories				
Power	Brand Name	Model Name	Rating	Remark
Adapter	AtechOEM	A0403TD-120033	Input: 100-240Vac ~ 50-60Hz, 1.2A Output: 12Vdc, 3.34A	DC Power cable: Non-shielded, 1.6m
Others				
Power cable*1: Non-shielded, 1.5m				
RJ-45 cable*1: Non-shielded, 2m				

2.5 Support Equipment

For AC Conduction (For WAN Mode):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN1 NB	DELL	E6430	N/A
B	WAN2 NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	LAN NB	DELL	E6430	N/A
F	LTE Base station	Anritsu	MT8820C	N/A
G	GPS simulator	WELNAVIGATE	GS-100	N/A
H	SIM card	N/A	N/A	N/A

For Radiated (below 1GHz / For Fiber Mode):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fiber1 NB	DELL	E4300	N/A
B	Fiber2 NB	DELL	E4300	N/A
C	LAN NB	DELL	E4300	N/A
D	2.4G NB	DELL	E4300	N/A
E	5G NB	DELL	E4300	N/A
F	Media converter	TRON OPTO	TN1000SFP	N/A
G	Media converter	TRON OPTO	TN1000SFP	N/A
H	SIM card	Anritsu	N/A	N/A
I	LTE base station	Anritsu	MT8820C	N/A
J	GPS simulator	WELNAVIGATE	GS-100	N/A



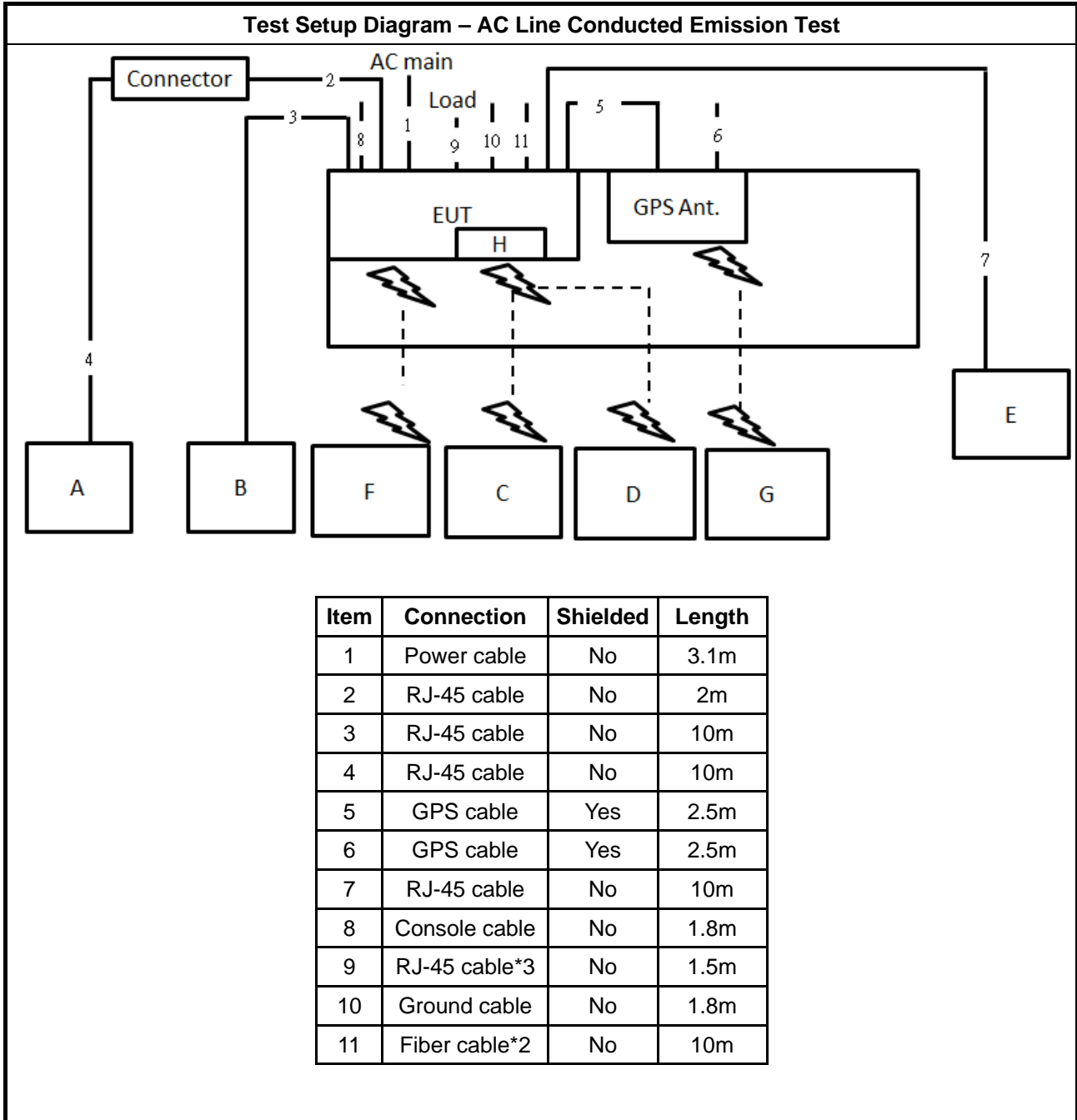
For Radiated (above 1GHz) and RF Conducted / For Non-beamforming mode):

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

For Radiated (above 1GHz) and RF Conducted / For beamforming mode):

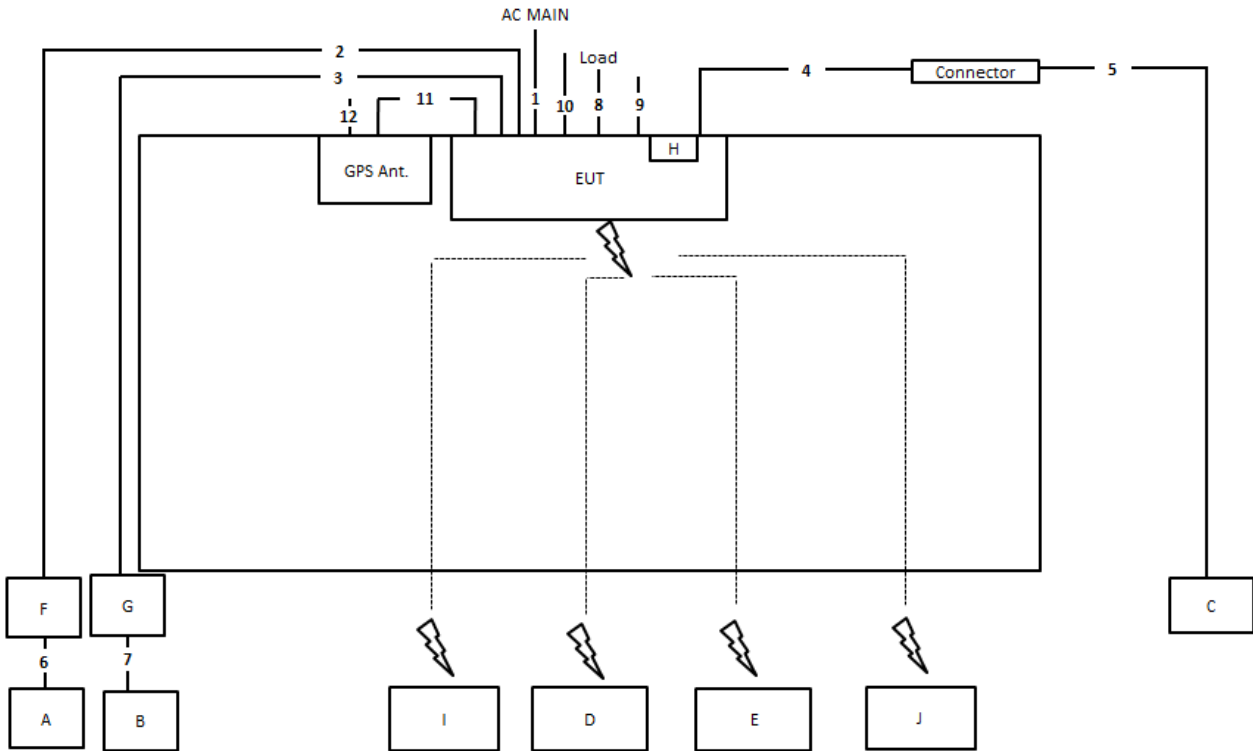
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	RX Device	Teldat	TLDPM01D1	YUATLDPM01D1

2.6 Test Setup Diagram

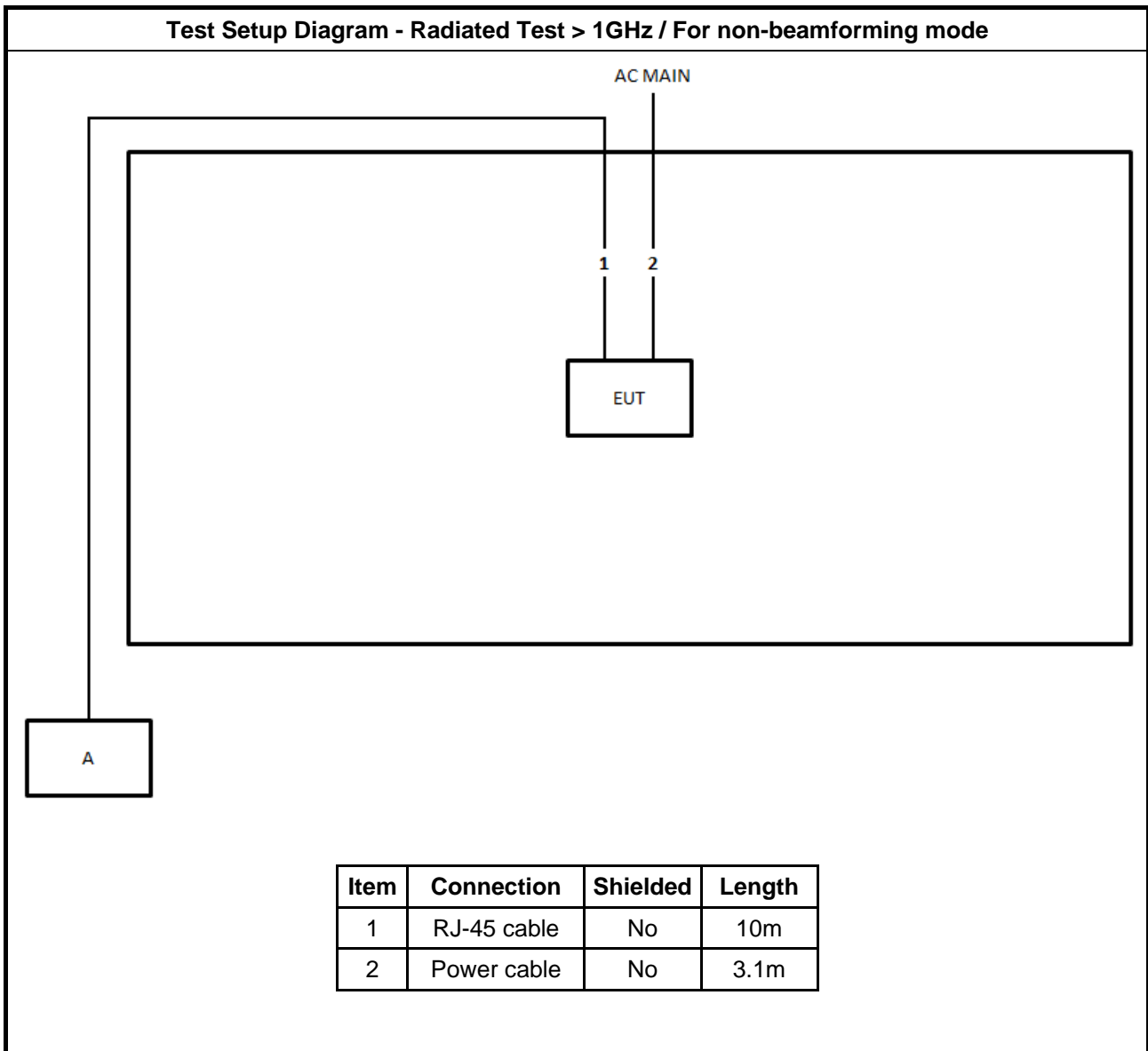




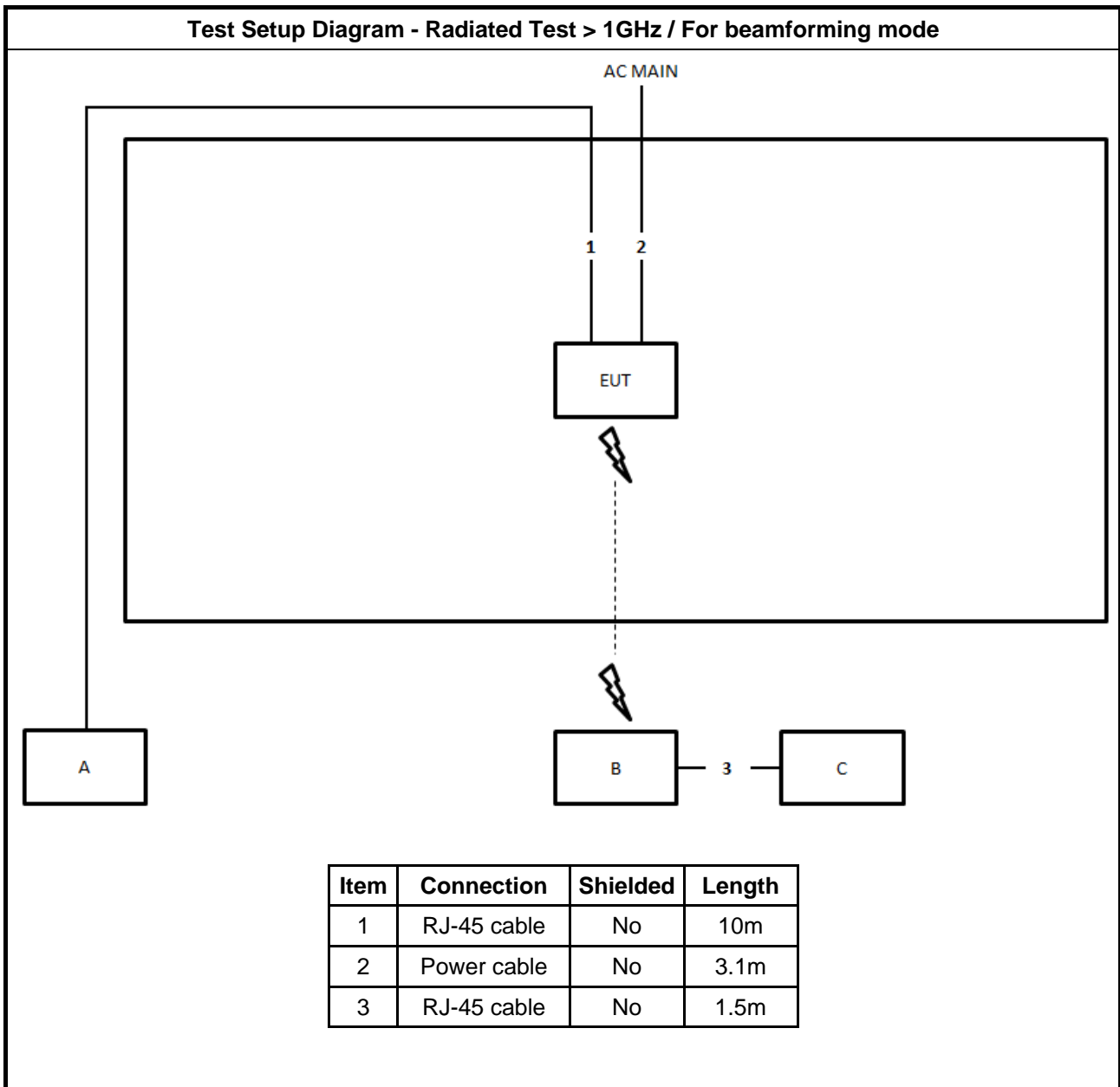
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	3.1m
2	Fiber cable	No	10m
3	Fiber cable	No	10m
4	RJ-45 cable	No	2m
5	RJ-45 cable	No	10m
6	RJ-45 cable	No	1.5m
7	RJ-45 cable	No	1.5m
8	RJ-45 cable*5	No	1.5m
9	Ground cable	No	1.5m
10	Console cable	No	1.8m
11	GPS cable	Yes	2.5m
12	GPS cable	Yes	2.5m



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





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.

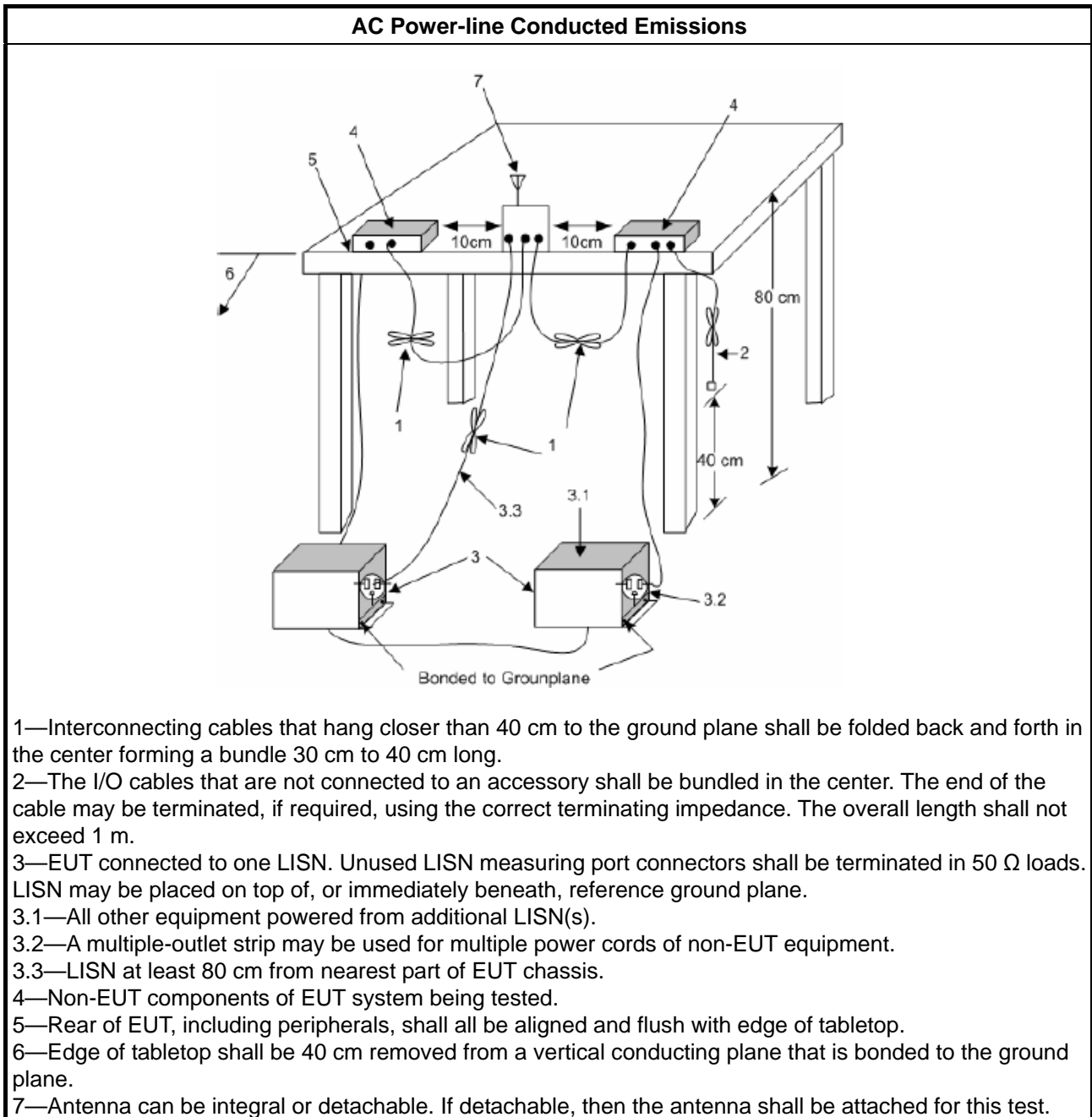
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> 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	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

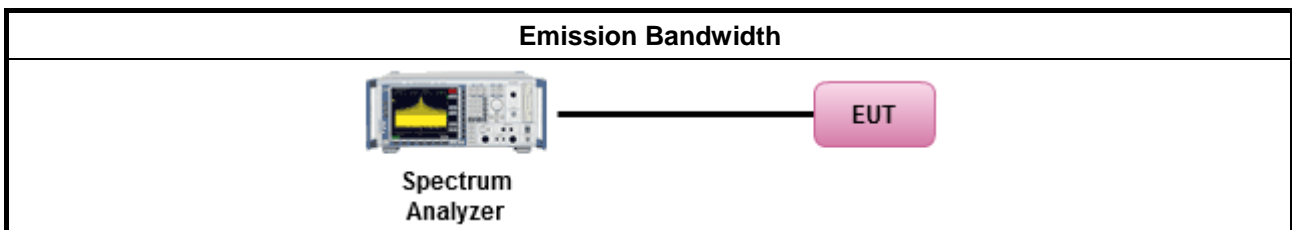
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.</td> </tr> </table> 		<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.	<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.						
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.						
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $\leq 125mW$ [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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> 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.	
<input type="checkbox"/> 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	
<input type="checkbox"/> 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	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.	

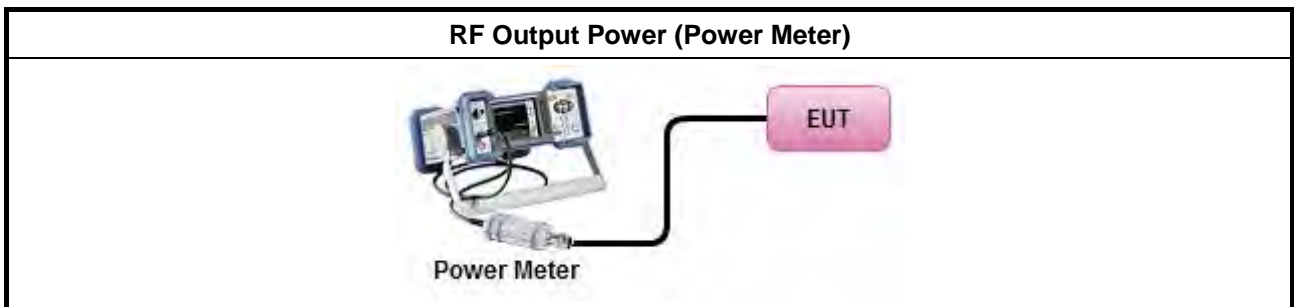
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
Average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ 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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> 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 $PPSD = 11 - (G_{TX} - 6)$.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input type="checkbox"/>	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> 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	
<input type="checkbox"/>	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
<input type="checkbox"/>	<ul style="list-style-type: none"> e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 ($\theta-8$) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta-40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/>	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> 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.
<p>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.</p>	

3.4.2 Measuring Instruments

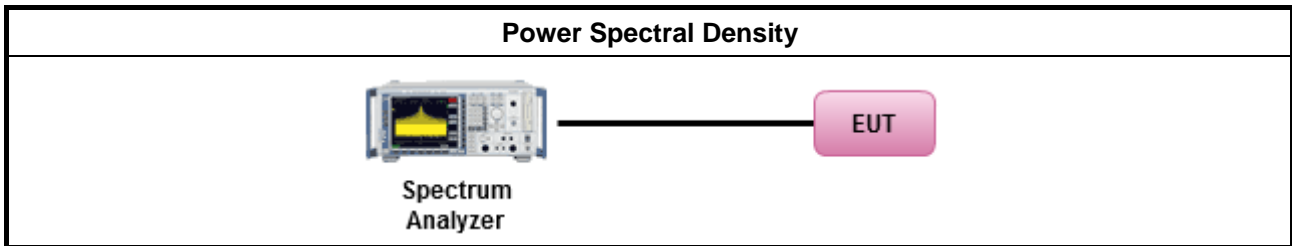
Refer a test equipment and calibration data table in this test report.



3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	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]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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,
<input type="checkbox"/>	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.
<ul style="list-style-type: none"> ▪ 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 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
<input checked="" type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 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).

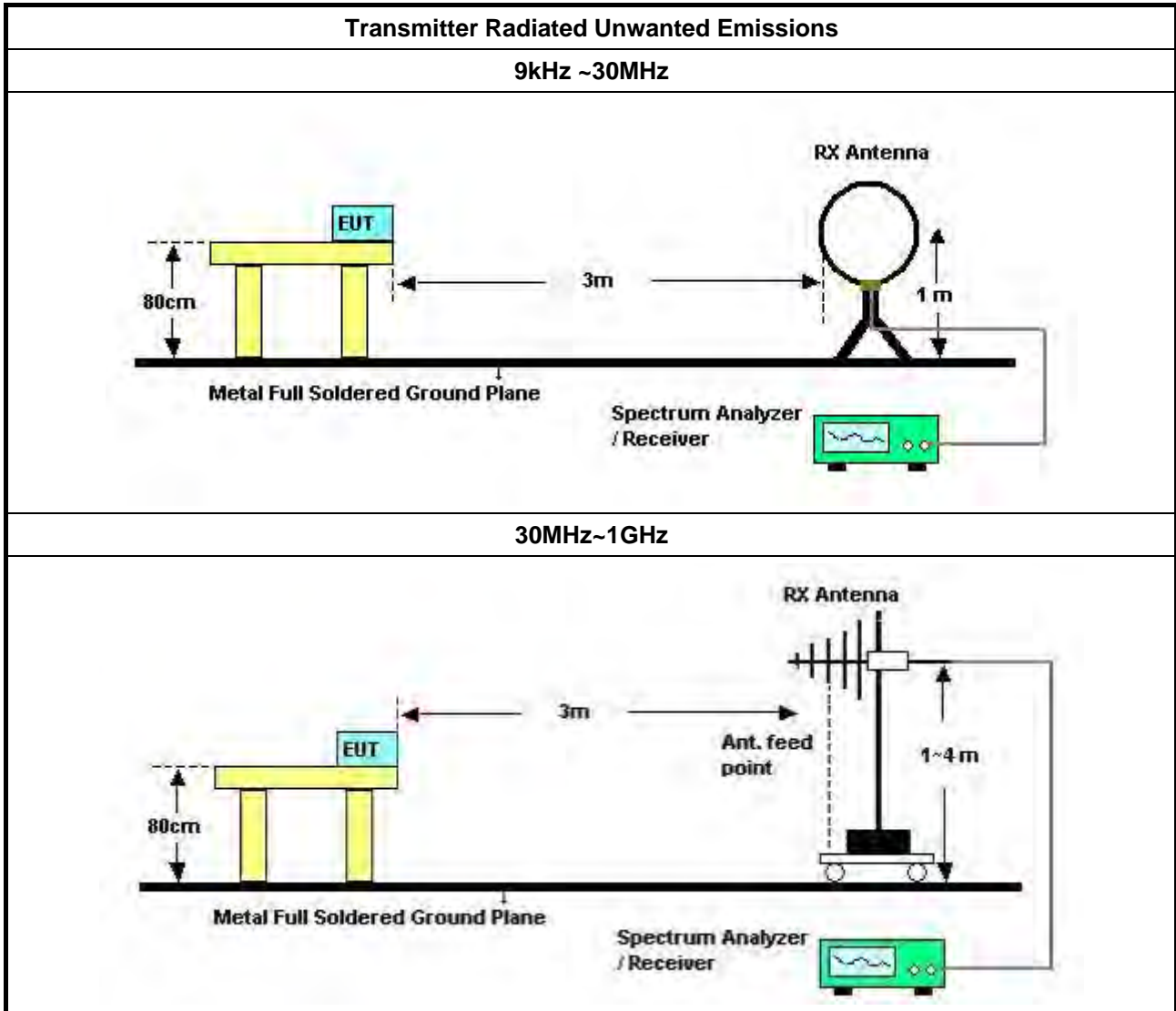
3.5.2 Measuring Instruments

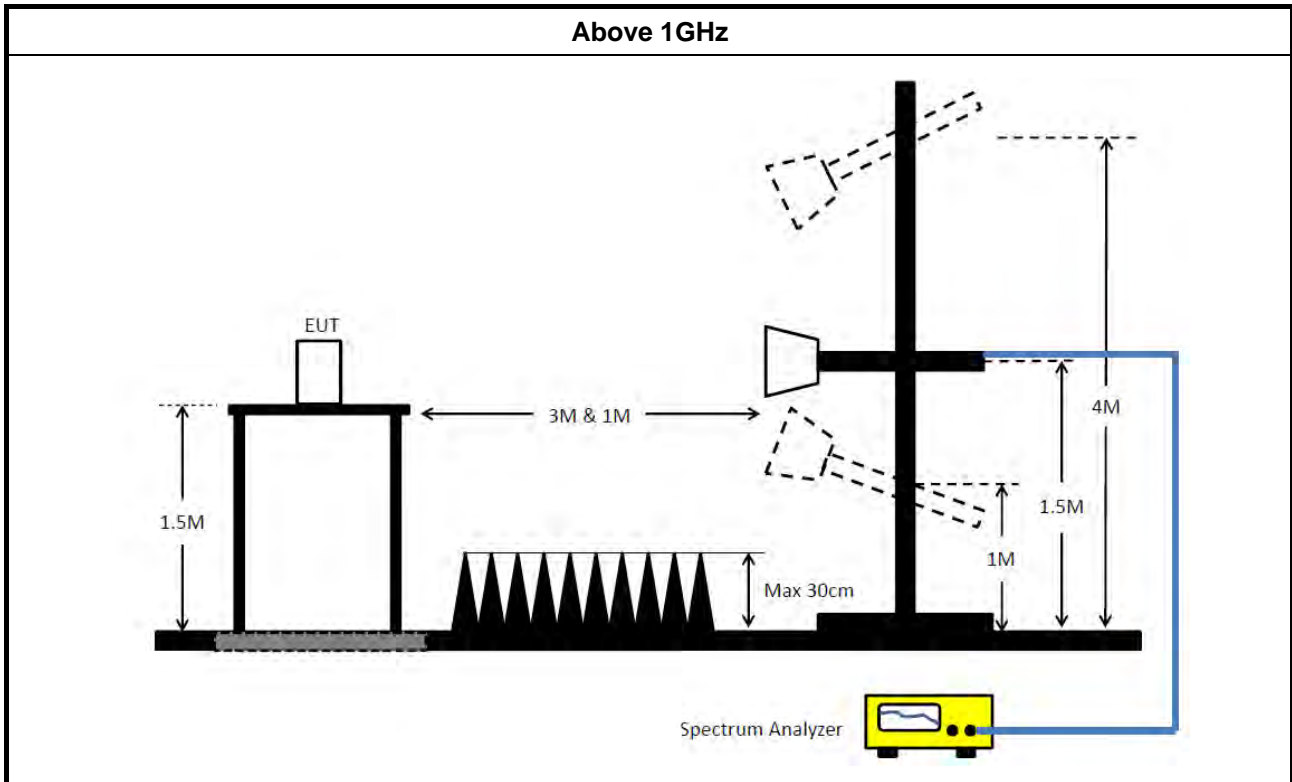
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: <ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands. <ul style="list-style-type: none"> <input type="checkbox"/> Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging). <input checked="" type="checkbox"/> Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW). <input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time. <input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. <input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit. <input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
	<ul style="list-style-type: none"> ▪ For radiated measurement. <ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level.
	<ul style="list-style-type: none"> ▪ 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 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.6 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.

3.5.7 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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 04, 2018	Aug. 03, 2019	Radiation (03CH06-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH06-CB)
Horn Antenna	ETS · Lindgren	3115	00143147	750MHz~18GHz	Oct. 26, 2018	Oct. 25, 2019	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 07, 2018	Jun. 06, 2019	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	May 07, 2019	May 06, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH06-CB)
RF Cable-low	HUBER+SUHNER	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH04-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	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)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

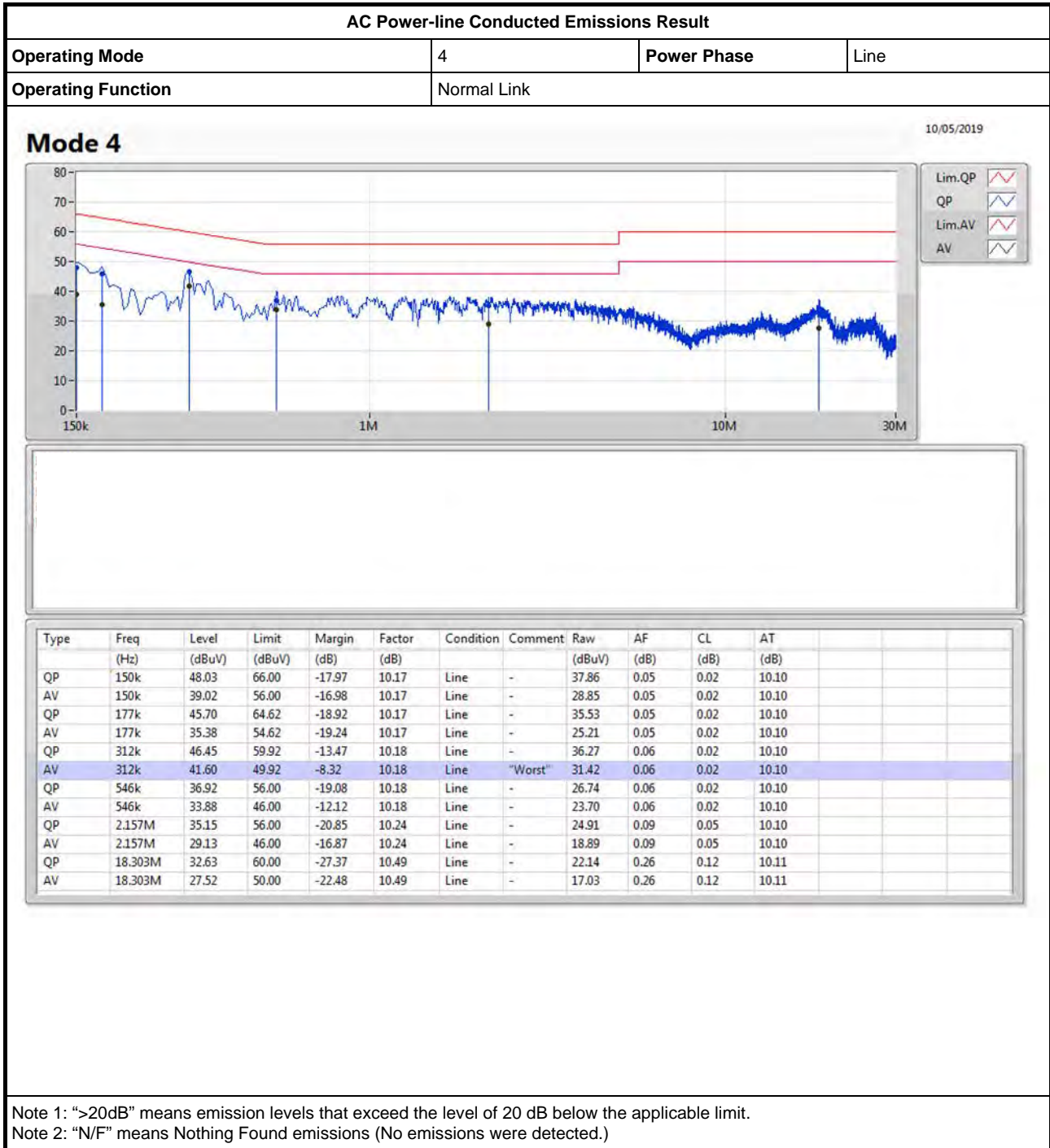
Note: Calibration Interval of instruments listed above is one year.

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



AC Power-line Conducted Emissions Result

Appendix A





AC Power-line Conducted Emissions Result

Appendix A





**For Non-beamforming mode
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	33.35M	16.592M	16M6D1D	19M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	34.525M	17.791M	17M8D1D	19.95M	17.616M
802.11ac VHT40_Nss1,(MCS0)_2TX	60.8M	36.082M	36M1D1D	39.45M	35.932M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.4M	75.762M	75M8D1D	83.1M	75.662M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.325M	25.687M	25M7D1D	16.275M	20.84M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.575M	25.662M	25M7D1D	17.55M	19.765M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.45M	48.126M	48M1D1D	34.4M	37.431M
802.11ac VHT80_Nss1,(MCS0)_2TX	76.1M	75.762M	75M8D1D	75.9M	75.762M

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;



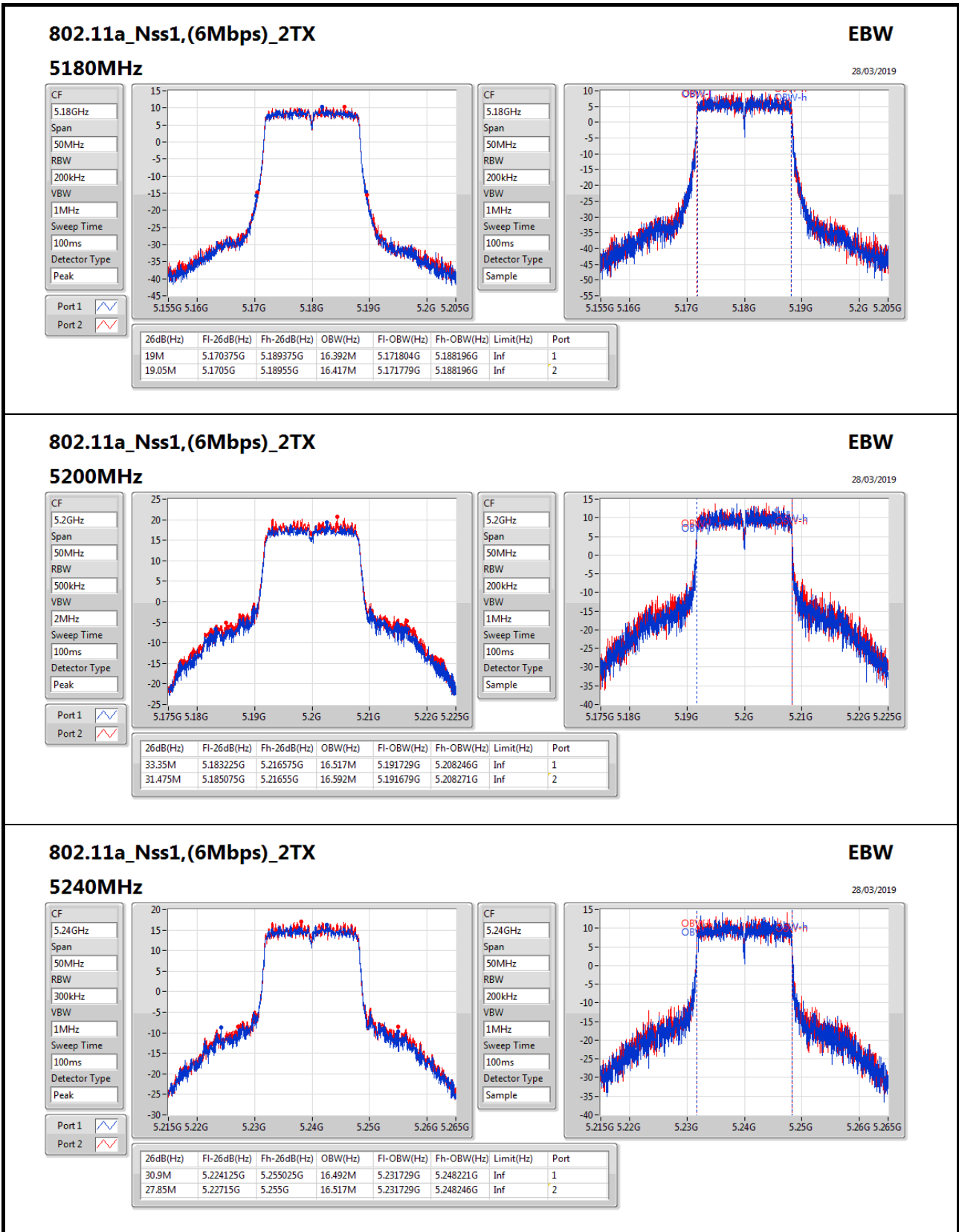
EBW Result

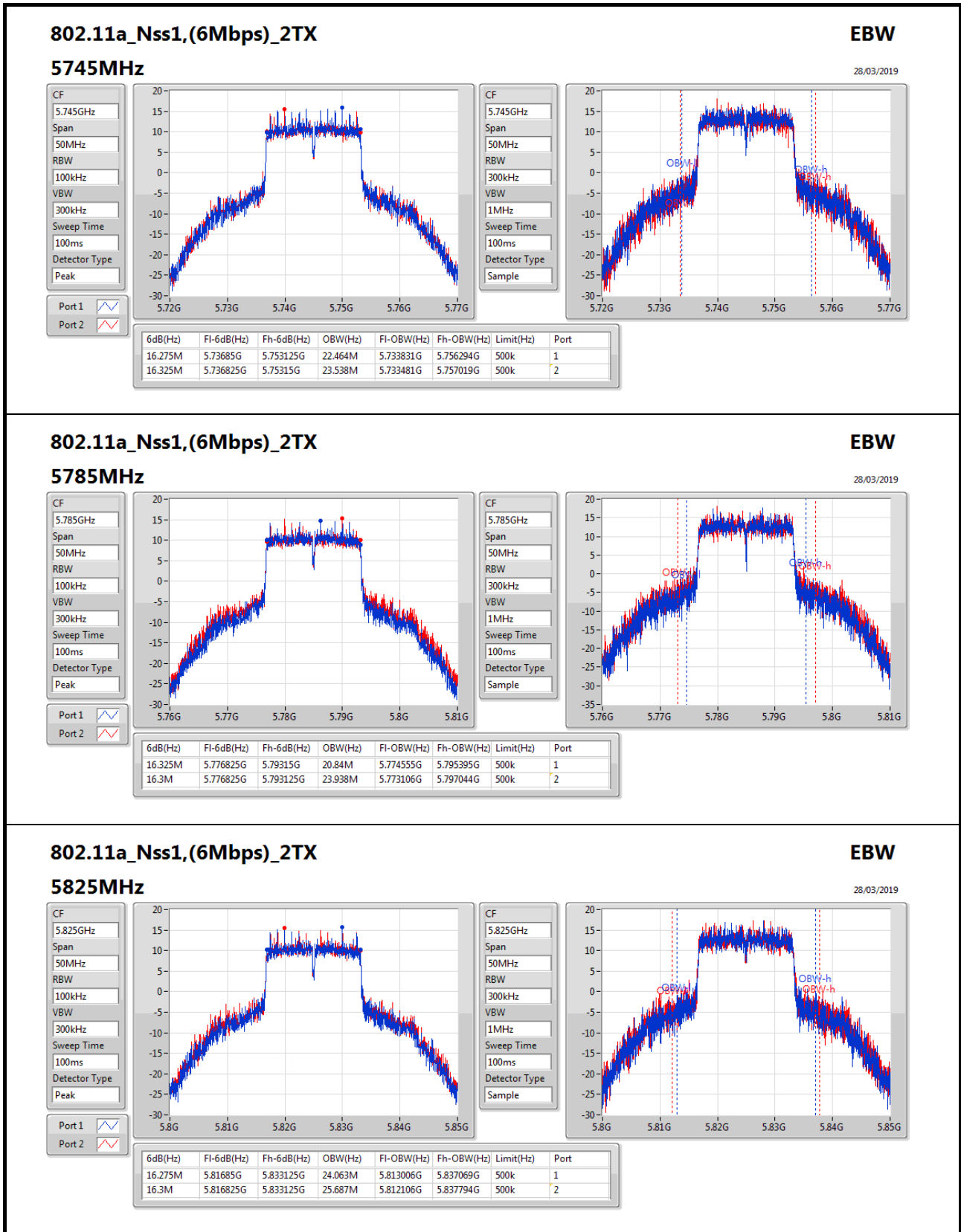
Appendix B.1

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19M	16.392M	19.05M	16.417M
5200MHz	Pass	Inf	33.35M	16.517M	31.475M	16.592M
5240MHz	Pass	Inf	30.9M	16.492M	27.85M	16.517M
5745MHz	Pass	500k	16.275M	22.464M	16.325M	23.538M
5785MHz	Pass	500k	16.325M	20.84M	16.3M	23.938M
5825MHz	Pass	500k	16.275M	24.063M	16.3M	25.687M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.95M	17.616M	20M	17.616M
5200MHz	Pass	Inf	33.725M	17.716M	34.525M	17.791M
5240MHz	Pass	Inf	34.225M	17.766M	34.525M	17.766M
5745MHz	Pass	500k	17.55M	22.464M	17.55M	23.488M
5785MHz	Pass	500k	17.575M	19.765M	17.575M	24.163M
5825MHz	Pass	500k	17.575M	24.038M	17.55M	25.662M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.45M	35.982M	39.55M	35.932M
5230MHz	Pass	Inf	58.5M	36.082M	60.8M	36.082M
5755MHz	Pass	500k	34.4M	37.431M	35M	39.43M
5795MHz	Pass	500k	35.45M	39.18M	34.45M	48.126M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.4M	75.662M	83.1M	75.762M
5775MHz	Pass	500k	75.9M	75.762M	76.1M	75.762M

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




802.11a_Nss1,(6Mbps)_2TX
EBW

CF: 5.825GHz

Span: 50MHz

RBW: 100kHz

VBW: 300kHz

Sweep Time: 100ms

Detector Type: Peak

Port 1:

Port 2:

CF: 5.825GHz

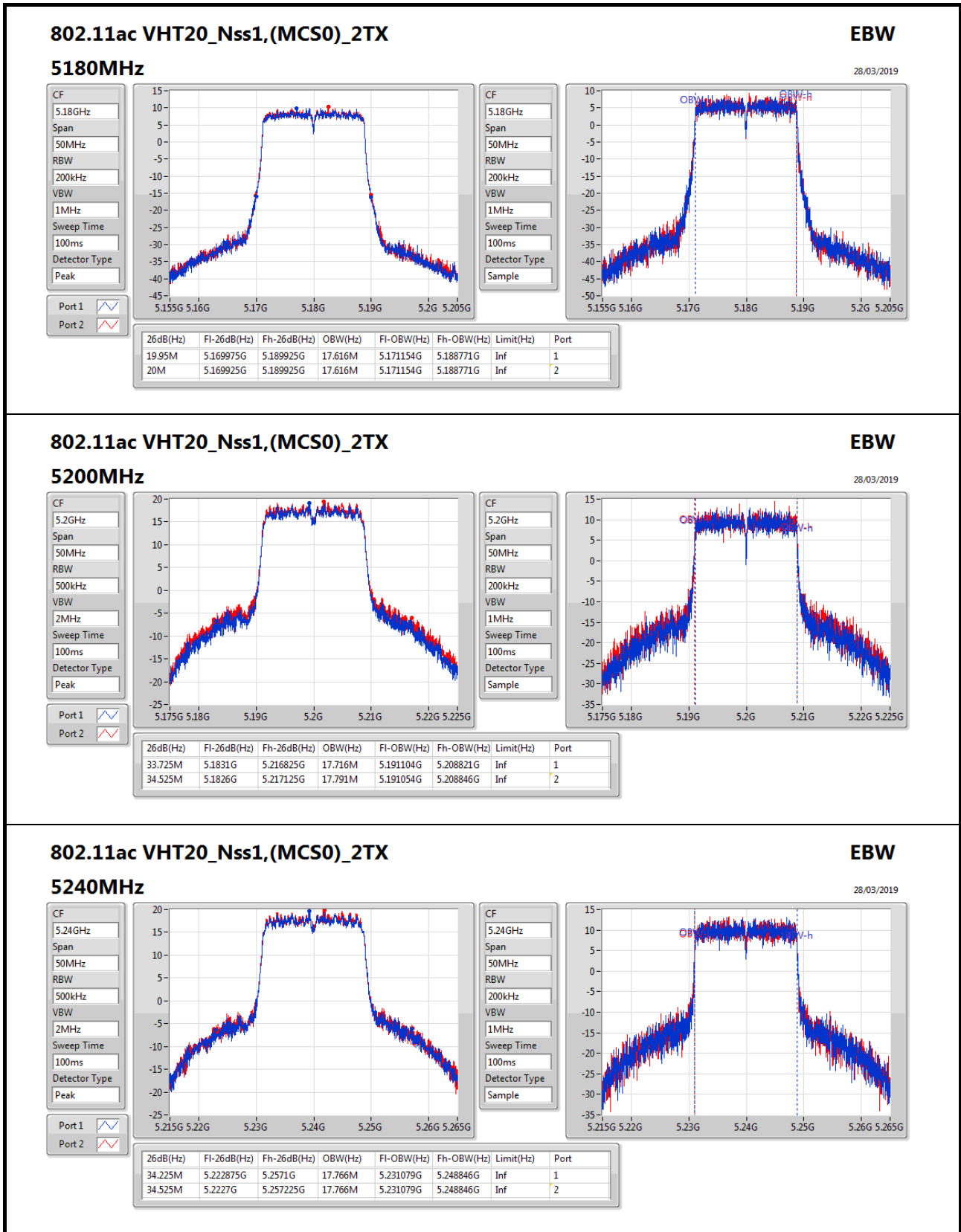
Span: 50MHz

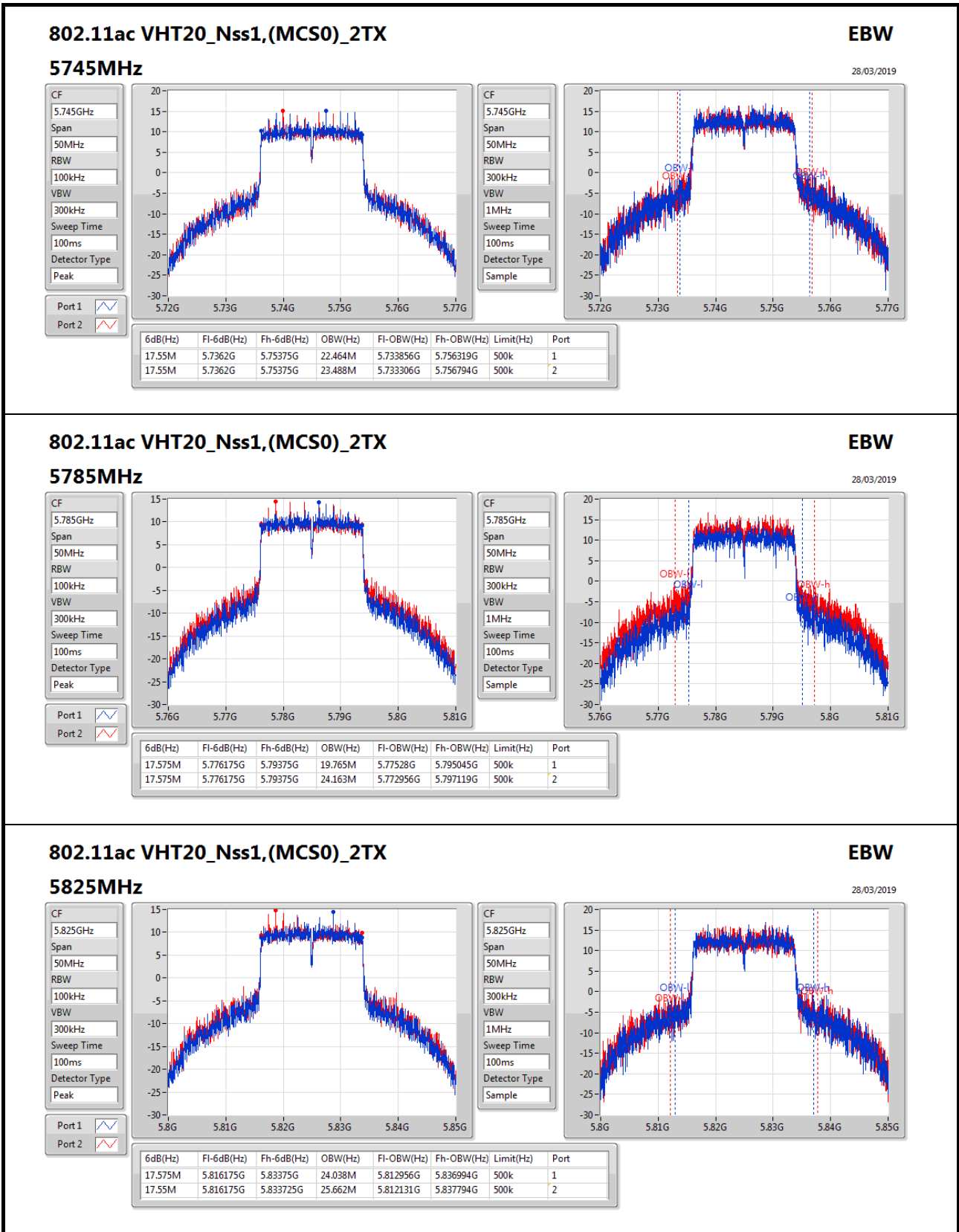
RBW: 300kHz

VBW: 1MHz

Sweep Time: 100ms

Detector Type: Sample



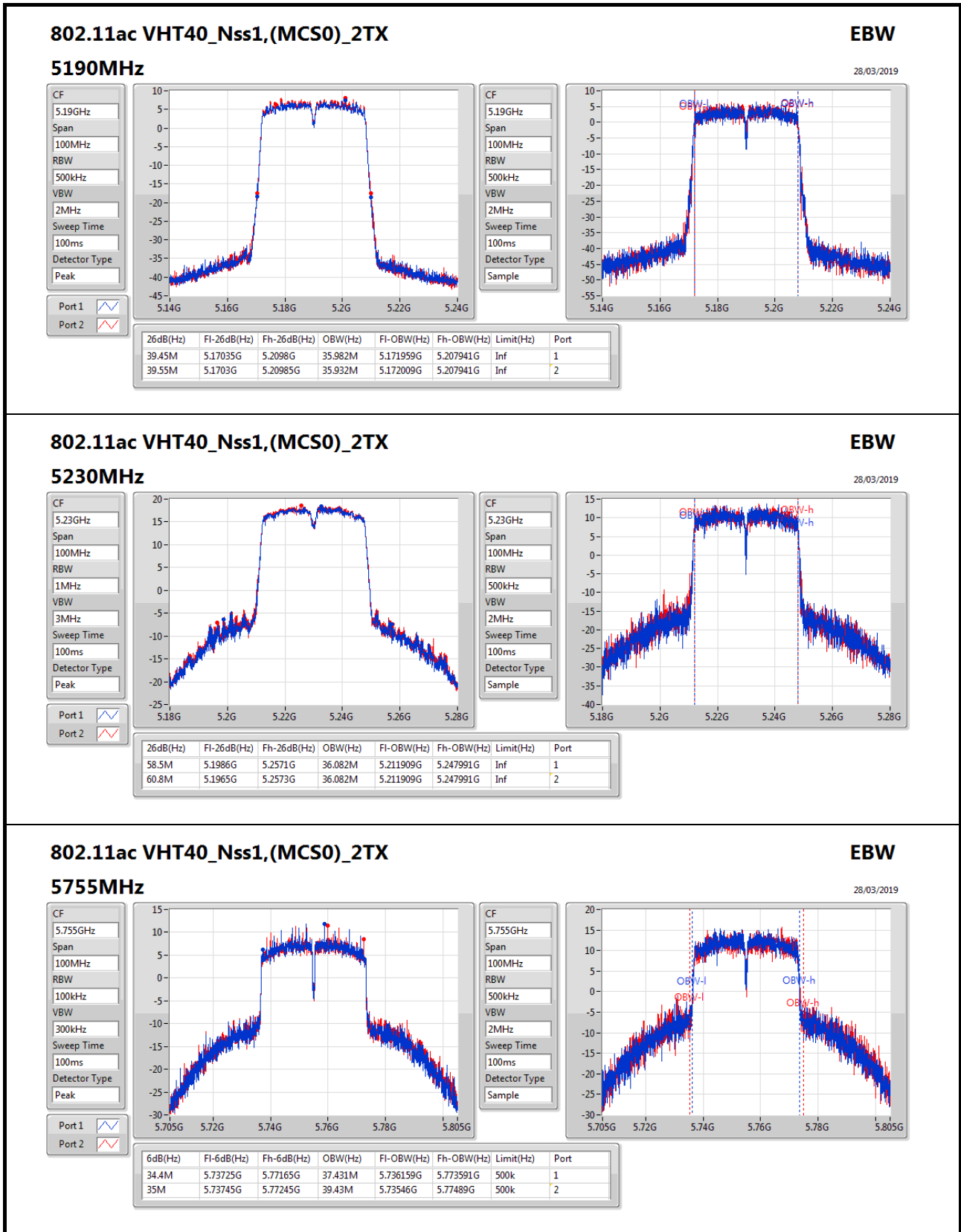

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW

CF: 5.825GHz
Span: 50MHz
RBW: 100kHz
VBW: 300kHz
Sweep Time: 100ms
Detector Type: Peak

Port 1:

Port 2:

CF: 5.825GHz
Span: 50MHz
RBW: 300kHz
VBW: 1MHz
Sweep Time: 100ms
Detector Type: Sample


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW

CF: 5.755GHz
Span: 100MHz
RBW: 100kHz
VBW: 300kHz
Sweep Time: 100ms
Detector Type: Peak

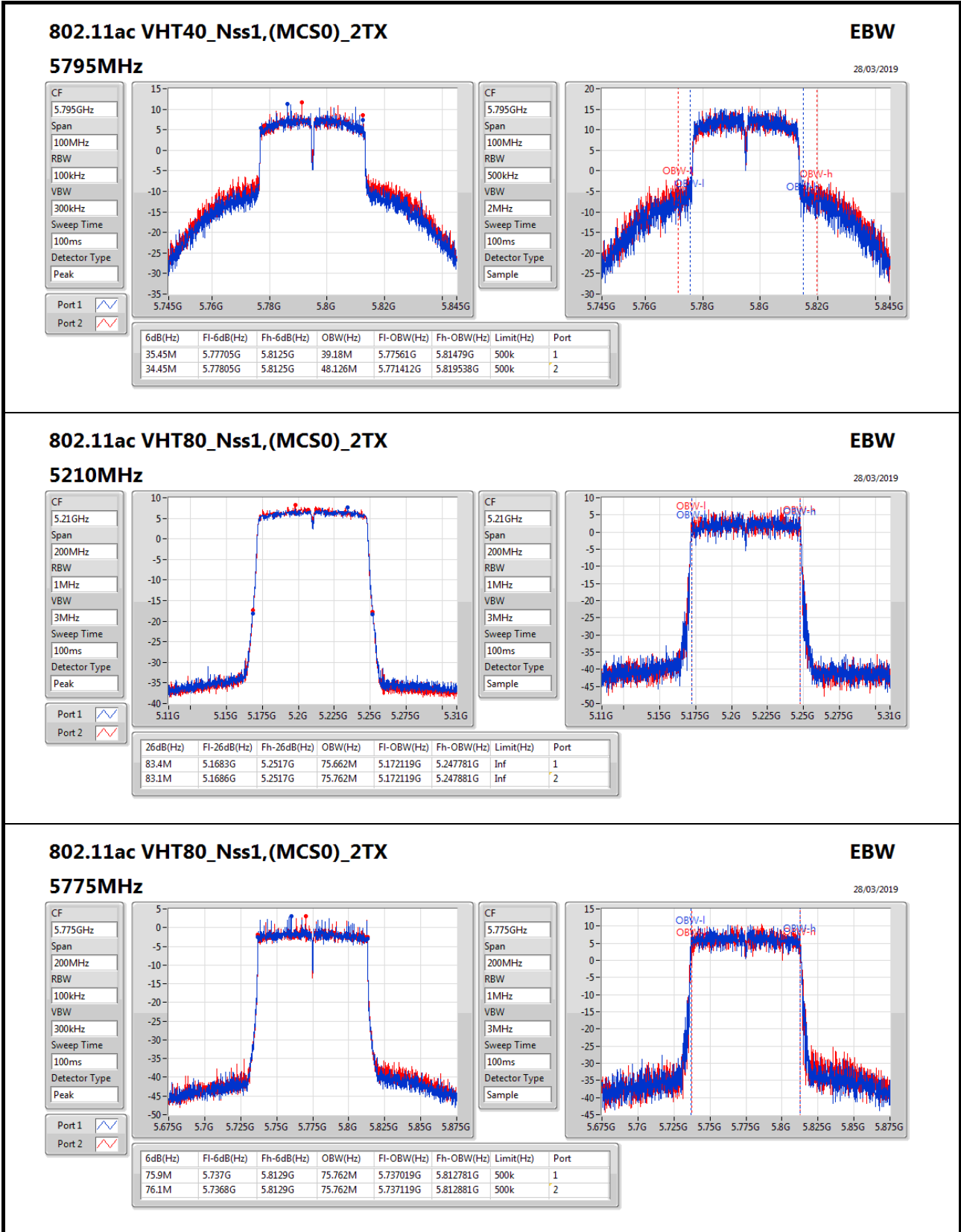
Port 1:

Port 2:

CF: 5.755GHz
Span: 100MHz
RBW: 500kHz
VBW: 2MHz
Sweep Time: 100ms
Detector Type: Sample

Port 1:

Port 2:





**For beamforming mode
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_Nss1,(MCS0)_2TX	20.5M	17.691M	17M7D1D	19.825M	17.541M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	39.25M	36.232M	36M2D1D	38.65M	35.882M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	83.6M	75.962M	76M0D1D	81M	75.262M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.575M	17.641M	17M6D1D	17.55M	17.591M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	35M	36.032M	36M0D1D	32.45M	35.882M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	75.3M	75.762M	75M8D1D	22.5M	75.562M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.475M	17.591M	20.325M	17.616M
5200MHz	Pass	Inf	20.1M	17.641M	19.825M	17.541M
5240MHz	Pass	Inf	20.5M	17.691M	20.3M	17.591M
5745MHz	Pass	500k	17.575M	17.641M	17.55M	17.591M
5785MHz	Pass	500k	17.575M	17.641M	17.575M	17.616M
5825MHz	Pass	500k	17.575M	17.591M	17.575M	17.641M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.25M	35.882M	38.65M	35.932M
5230MHz	Pass	Inf	39.15M	36.232M	38.9M	35.982M
5755MHz	Pass	500k	35M	35.882M	34.45M	36.032M
5795MHz	Pass	500k	34.4M	35.882M	32.45M	35.882M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81M	75.262M	83.6M	75.962M
5775MHz	Pass	500k	75.3M	75.562M	22.5M	75.762M

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

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

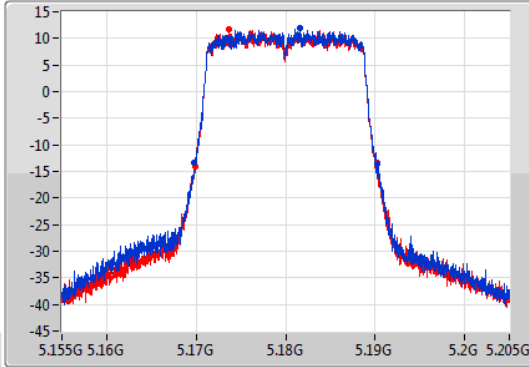
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

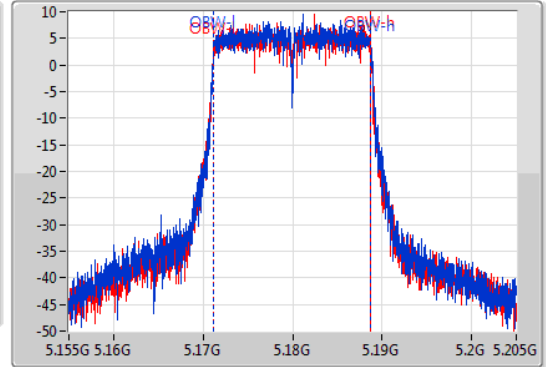
5180MHz

21/05/2019

CF: 5.18GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.18GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.475M	5.16975G	5.190225G	17.591M	5.171179G	5.188771G	Inf	1
20.325M	5.169875G	5.1902G	17.616M	5.171154G	5.188771G	Inf	2

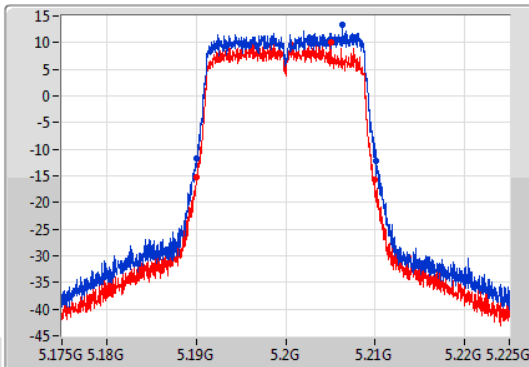
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

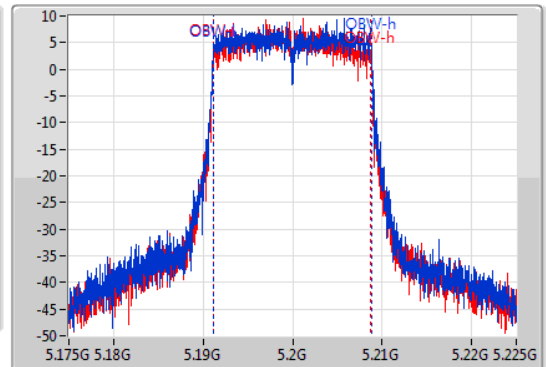
5200MHz

21/05/2019

CF: 5.2GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.2GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.1M	5.190025G	5.210125G	17.641M	5.191154G	5.208796G	Inf	1
19.825M	5.190075G	5.2099G	17.541M	5.191179G	5.208721G	Inf	2

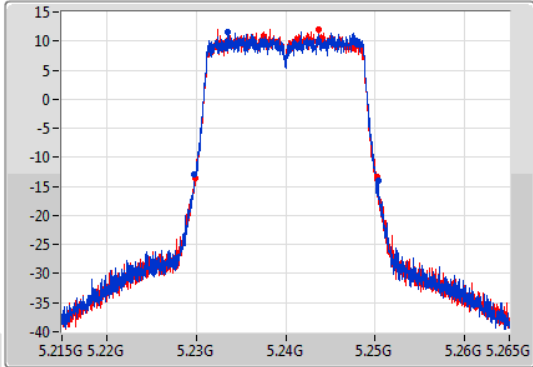
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

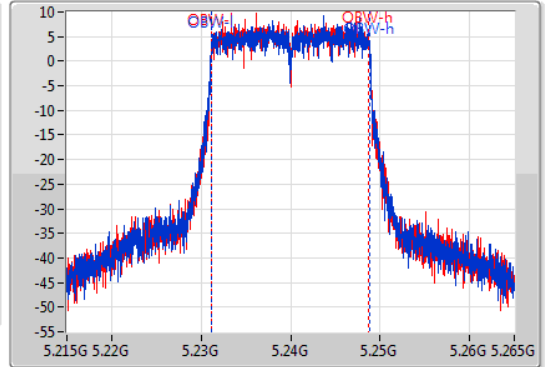
5240MHz

21/05/2019

CF
5.24GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.24GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.5M	5.229825G	5.250325G	17.691M	5.231129G	5.248821G	Inf	1
20.3M	5.2299G	5.2502G	17.591M	5.231179G	5.248771G	Inf	2

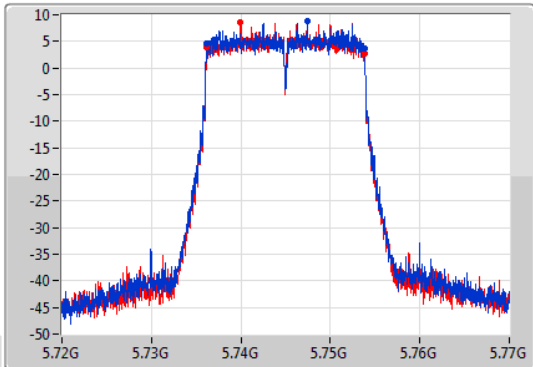
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

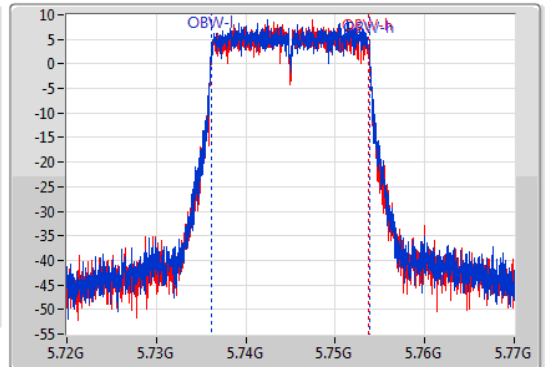
5745MHz

21/05/2019

CF
5.745GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.745GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7362G	5.753775G	17.641M	5.736154G	5.753796G	500k	1
17.55M	5.736225G	5.753775G	17.591M	5.736179G	5.753771G	500k	2

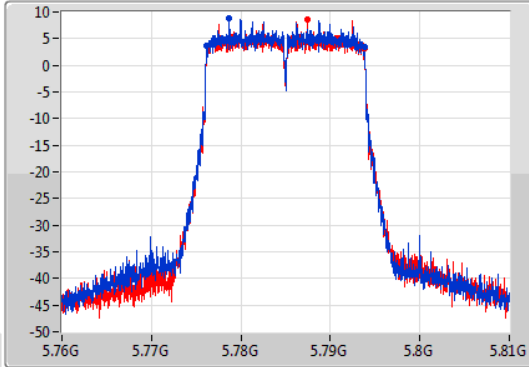
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

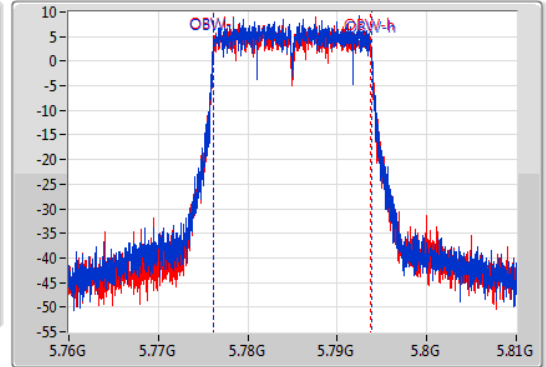
5785MHz

21/05/2019

CF
5.785GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.785GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7762G	5.793775G	17.641M	5.776154G	5.793796G	500k	1
17.575M	5.7762G	5.793775G	17.616M	5.776154G	5.793771G	500k	2

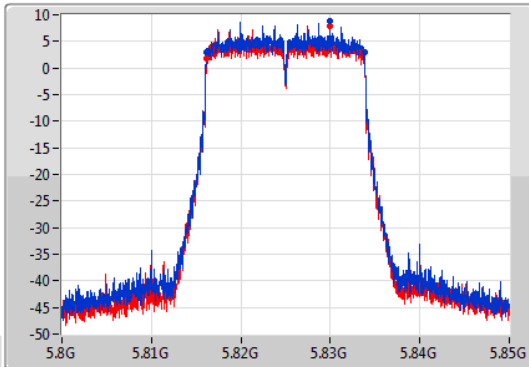
802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

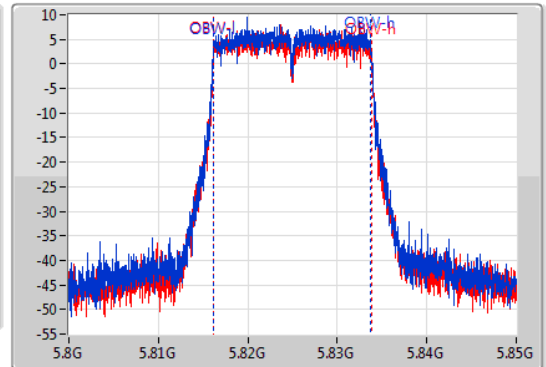
5825MHz

21/05/2019

CF
5.825GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.825GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.8162G	5.833775G	17.591M	5.816179G	5.833771G	500k	1
17.575M	5.816175G	5.83375G	17.641M	5.816154G	5.833796G	500k	2

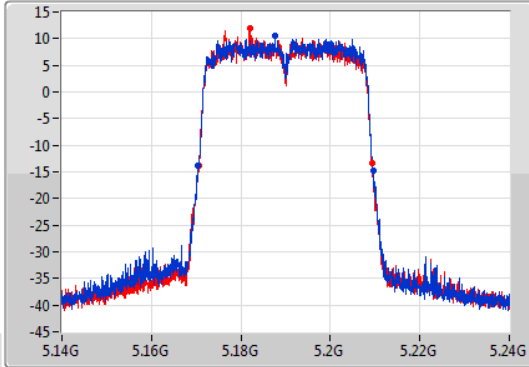
802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

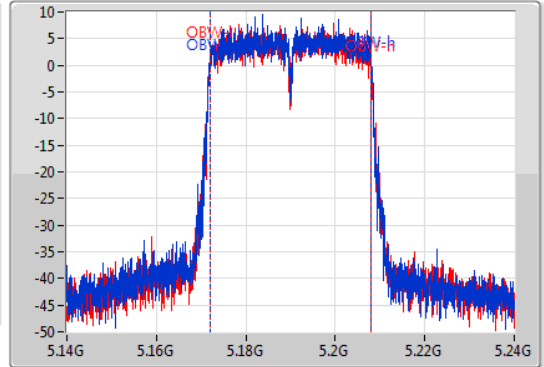
5190MHz

21/05/2019

CF
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.25M	5.1704G	5.20965G	35.882M	5.172059G	5.207941G	Inf	1
38.65M	5.1706G	5.20925G	35.932M	5.171959G	5.207891G	Inf	2

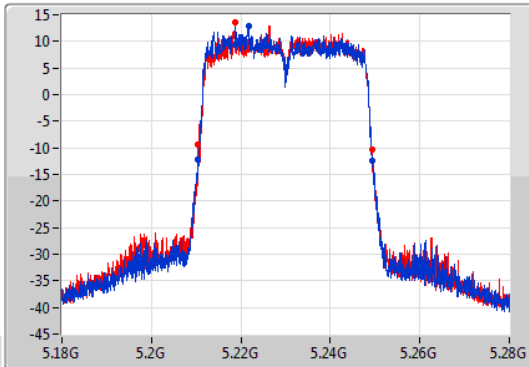
802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

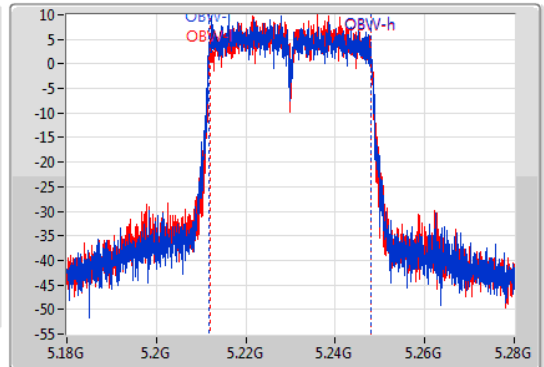
5230MHz

21/05/2019

CF
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.15M	5.2103G	5.24945G	36.232M	5.211759G	5.247991G	Inf	1
38.9M	5.21045G	5.24935G	35.982M	5.212009G	5.247991G	Inf	2

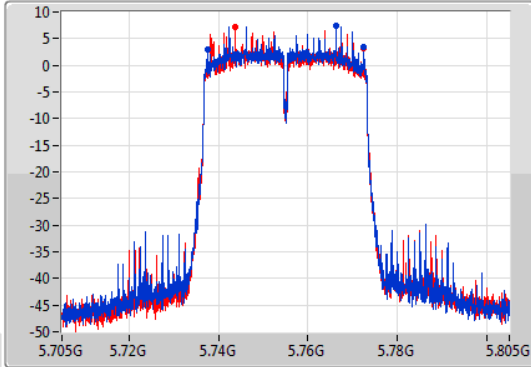
802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

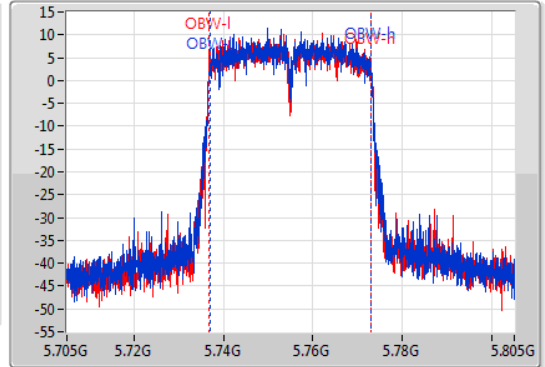
5755MHz

21/05/2019

CF: 5.755GHz
 Span: 100MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1:



CF: 5.755GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	5.7375G	5.7725G	35.882M	5.737009G	5.772891G	500k	1
34.45M	5.73805G	5.7725G	36.032M	5.736859G	5.772891G	500k	2

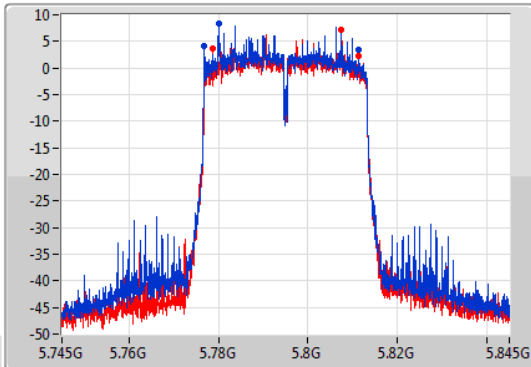
802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

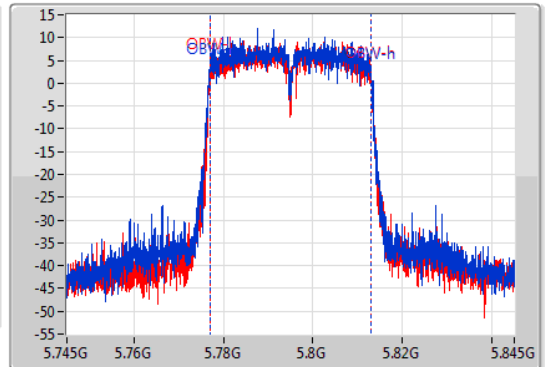
5795MHz

21/05/2019

CF: 5.795GHz
 Span: 100MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1:



CF: 5.795GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Sample



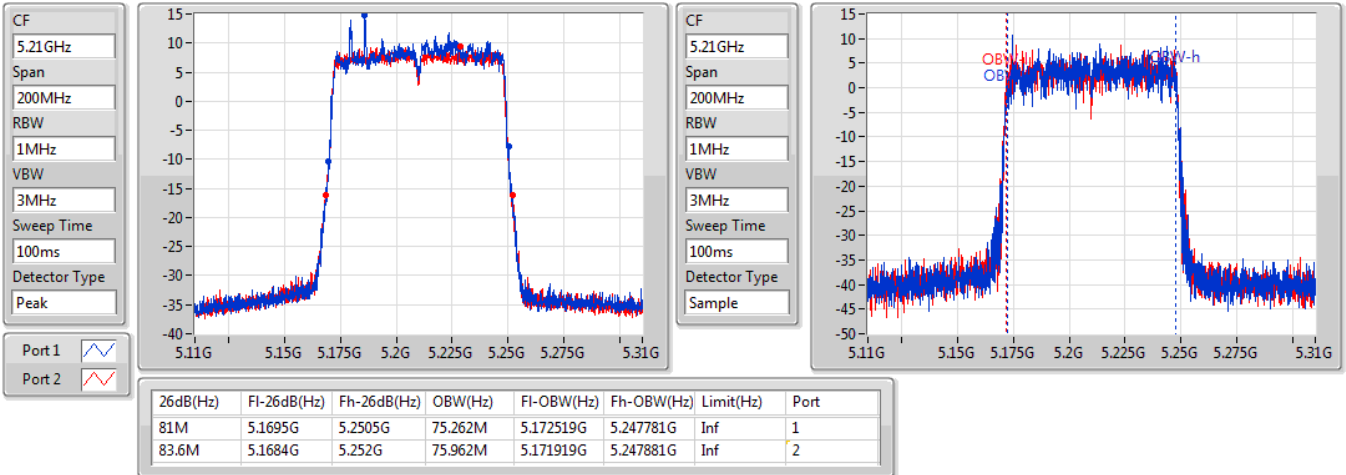
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.4M	5.77685G	5.81125G	35.882M	5.777009G	5.812891G	500k	1
32.45M	5.77875G	5.8112G	35.882M	5.777009G	5.812891G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5210MHz

21/05/2019

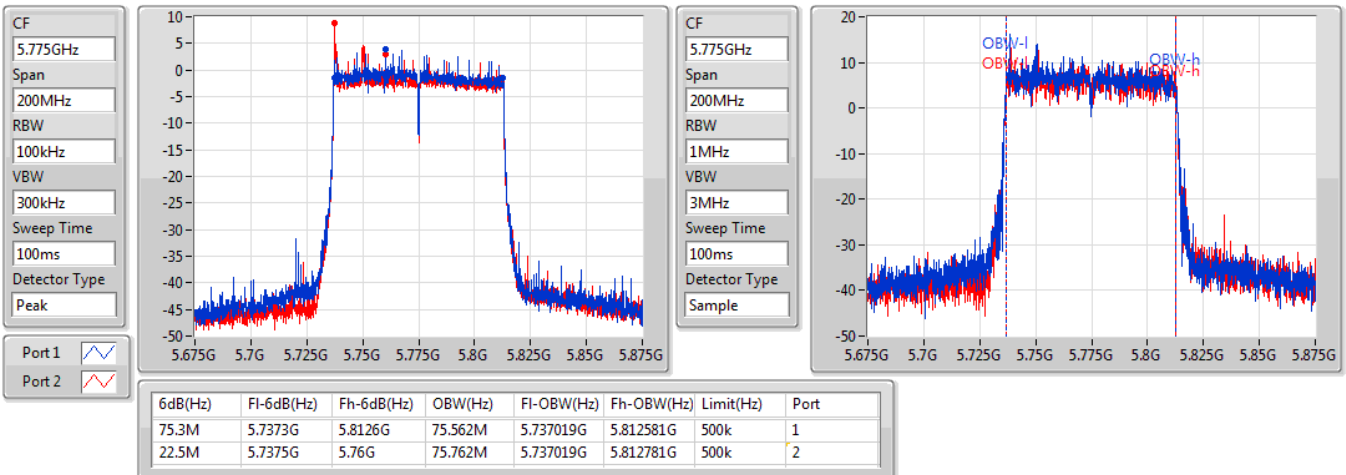


802.11ac VHT80-BF_Nss1,(MCS0)_2TX

EBW

5775MHz

21/05/2019





Power Result

Appendix C.1

For Non-beamforming mode Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	24.76	0.29923
802.11ac VHT20_Nss1,(MCS0)_2TX	24.79	0.30130
802.11ac VHT40_Nss1,(MCS0)_2TX	24.54	0.28445
802.11ac VHT80_Nss1,(MCS0)_2TX	19.37	0.08650
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	24.78	0.30061
802.11ac VHT20_Nss1,(MCS0)_2TX	24.75	0.29854
802.11ac VHT40_Nss1,(MCS0)_2TX	24.50	0.28184
802.11ac VHT80_Nss1,(MCS0)_2TX	23.62	0.23014



Power Result

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.58	21.01	21.26	24.15	30.00
5200MHz	Pass	4.58	21.62	21.87	24.76	30.00
5240MHz	Pass	4.58	21.58	21.73	24.67	30.00
5745MHz	Pass	4.06	21.70	21.84	24.78	30.00
5785MHz	Pass	4.06	21.54	21.75	24.66	30.00
5825MHz	Pass	4.06	21.27	21.58	24.44	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.58	21.18	21.62	24.42	30.00
5200MHz	Pass	4.58	21.68	21.88	24.79	30.00
5240MHz	Pass	4.58	21.56	21.86	24.72	30.00
5745MHz	Pass	4.06	21.67	21.81	24.75	30.00
5785MHz	Pass	4.06	21.54	21.92	24.74	30.00
5825MHz	Pass	4.06	21.32	21.66	24.50	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.58	17.29	17.52	20.42	30.00
5230MHz	Pass	4.58	21.33	21.72	24.54	30.00
5755MHz	Pass	4.06	21.34	21.64	24.50	30.00
5795MHz	Pass	4.06	21.08	21.67	24.40	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.58	16.57	16.13	19.37	30.00
5775MHz	Pass	4.06	20.65	20.56	23.62	30.00

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



**For beamforming mode
Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	23.56	0.22699
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	21.29	0.13459
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	19.65	0.09226
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	23.69	0.23388
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	22.35	0.17179
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	22.67	0.18493



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.59	20.53	20.56	23.56	28.41
5200MHz	Pass	7.59	20.80	20.12	23.48	28.41
5240MHz	Pass	7.59	20.52	20.29	23.42	28.41
5745MHz	Pass	7.07	20.42	20.25	23.35	28.93
5785MHz	Pass	7.07	20.79	20.37	23.60	28.93
5825MHz	Pass	7.07	20.48	20.88	23.69	28.93
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.59	18.02	17.69	20.87	28.41
5230MHz	Pass	7.59	18.03	18.51	21.29	28.41
5755MHz	Pass	7.07	19.39	19.29	22.35	28.93
5795MHz	Pass	7.07	19.48	19.02	22.27	28.93
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.59	16.65	16.62	19.65	28.41
5775MHz	Pass	7.07	19.93	19.37	22.67	28.93

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



**For Non-beamforming mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	11.18
802.11ac VHT20_Nss1,(MCS0)_2TX	10.97
802.11ac VHT40_Nss1,(MCS0)_2TX	7.91
802.11ac VHT80_Nss1,(MCS0)_2TX	0.39
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.52
802.11ac VHT20_Nss1,(MCS0)_2TX	9.29
802.11ac VHT40_Nss1,(MCS0)_2TX	6.23
802.11ac VHT80_Nss1,(MCS0)_2TX	3.06

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



PSD Result

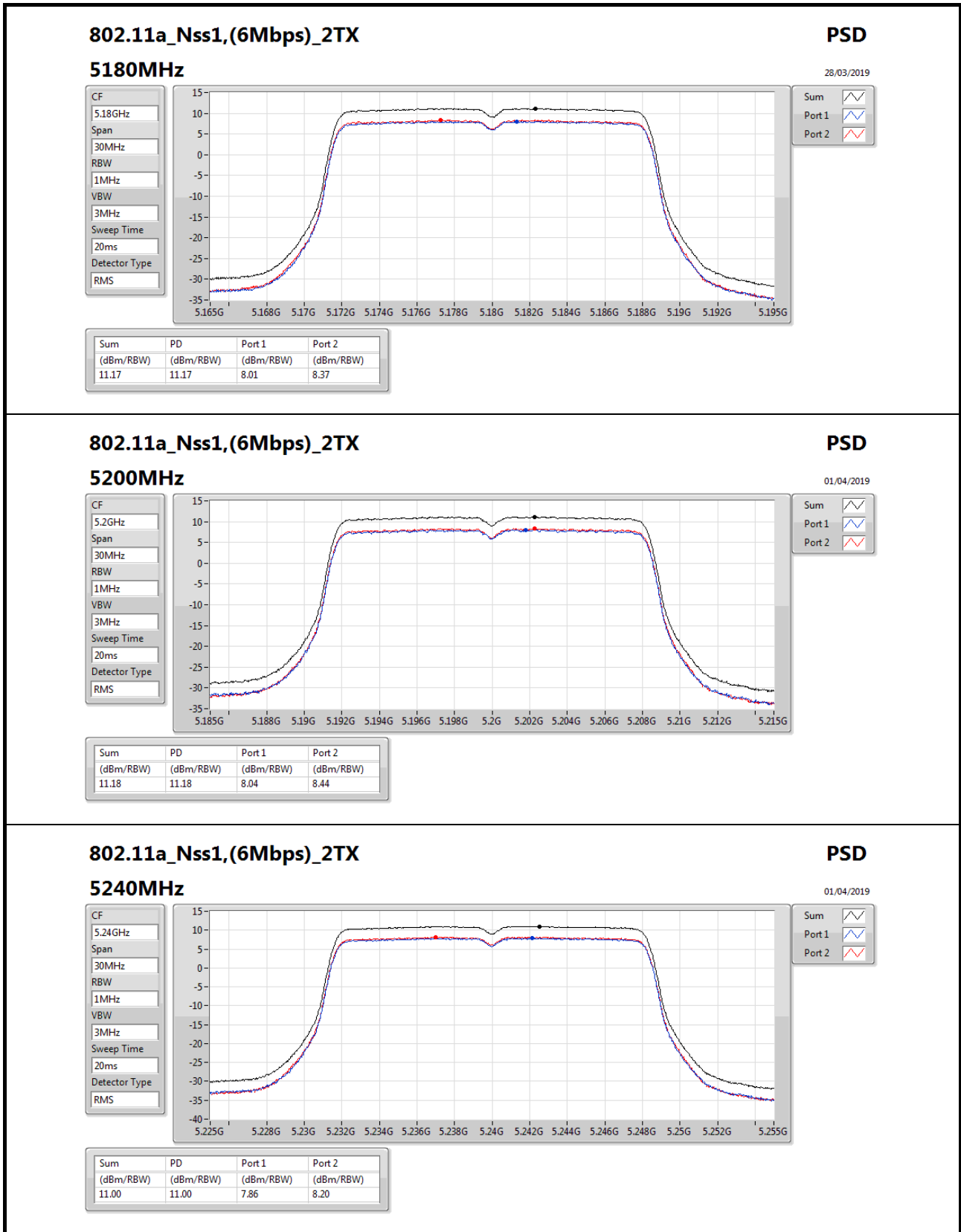
Appendix D.1

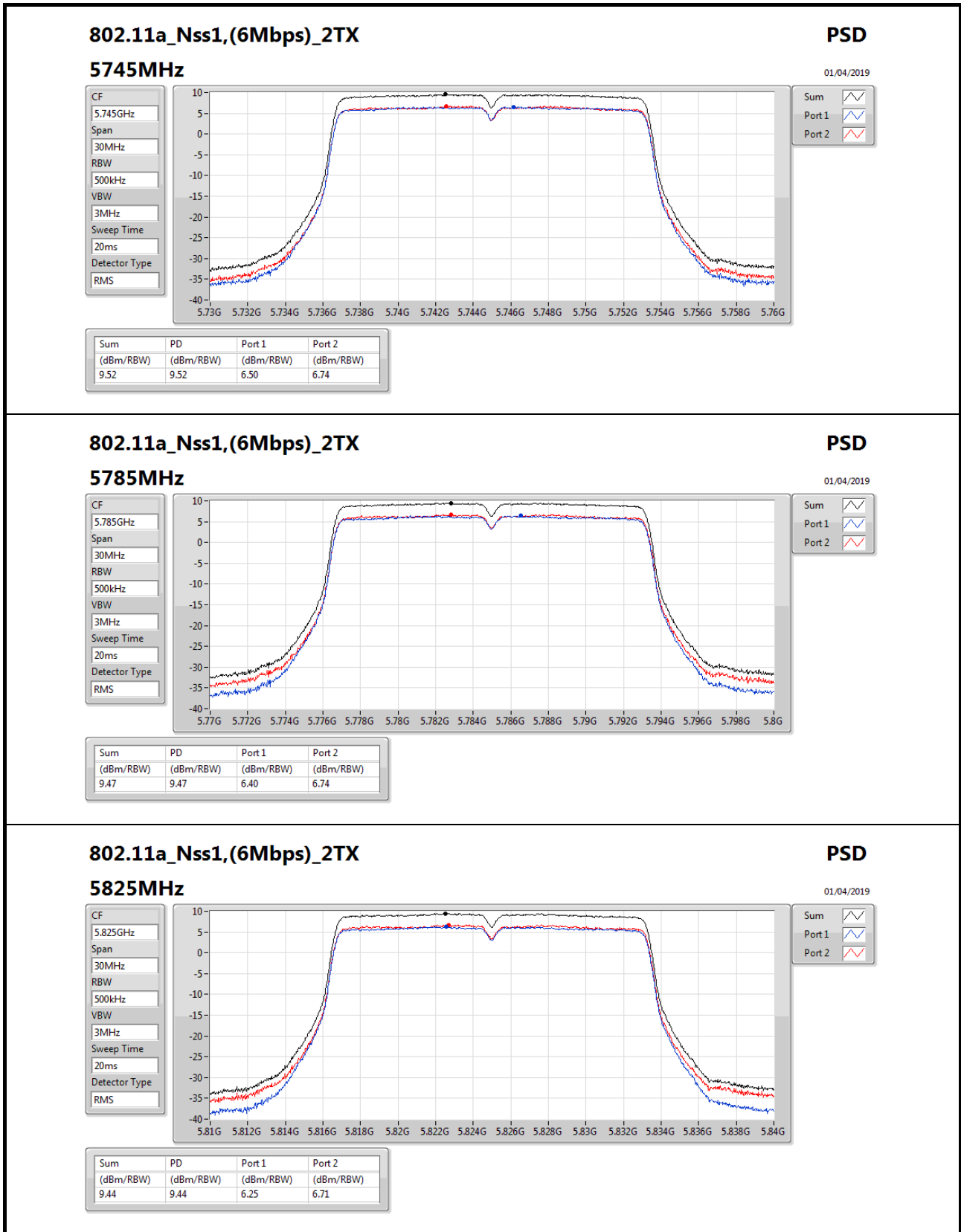
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.59	8.01	8.37	11.17	15.41
5200MHz	Pass	7.59	8.04	8.44	11.18	15.41
5240MHz	Pass	7.59	7.86	8.20	11.00	15.41
5745MHz	Pass	7.07	6.50	6.74	9.52	28.93
5785MHz	Pass	7.07	6.40	6.74	9.47	28.93
5825MHz	Pass	7.07	6.25	6.71	9.44	28.93
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.59	7.83	8.15	10.97	15.41
5200MHz	Pass	7.59	7.64	7.95	10.79	15.41
5240MHz	Pass	7.59	7.70	7.90	10.79	15.41
5745MHz	Pass	7.07	6.34	6.50	9.29	28.93
5785MHz	Pass	7.07	6.11	6.49	9.17	28.93
5825MHz	Pass	7.07	5.87	6.33	9.05	28.93
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.59	1.18	1.33	4.24	15.41
5230MHz	Pass	7.59	4.80	5.02	7.91	15.41
5755MHz	Pass	7.07	3.29	3.40	6.23	28.93
5795MHz	Pass	7.07	3.06	3.44	6.19	28.93
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.59	-2.55	-2.59	0.39	15.41
5775MHz	Pass	7.07	0.18	-0.08	3.06	28.93

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

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





802.11a_Nss1,(6Mbps)_2TX

5825MHz

PSD

01/04/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

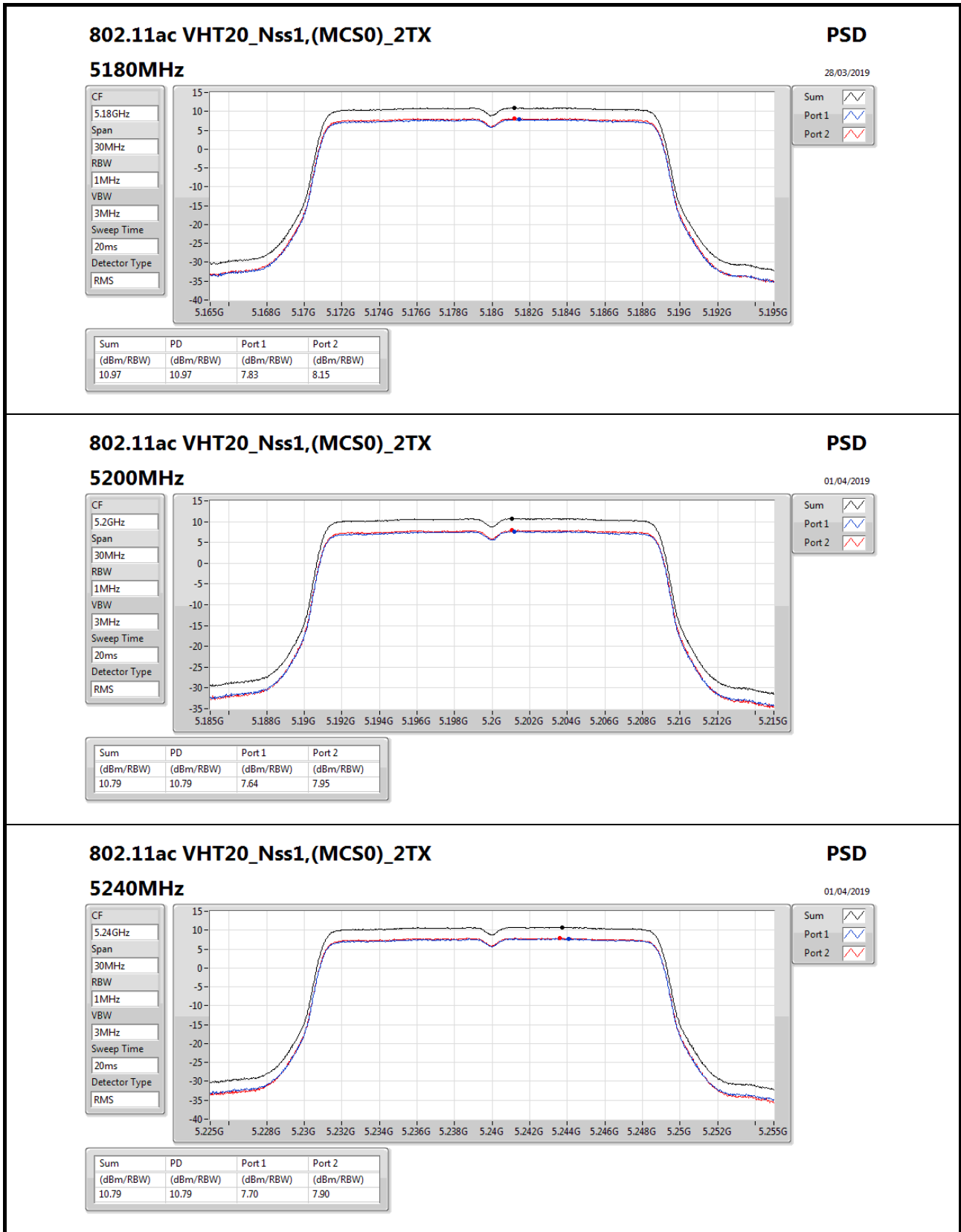


Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.44	9.44	6.25	6.71



802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz

PSD

01/04/2019

CF
5.24GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

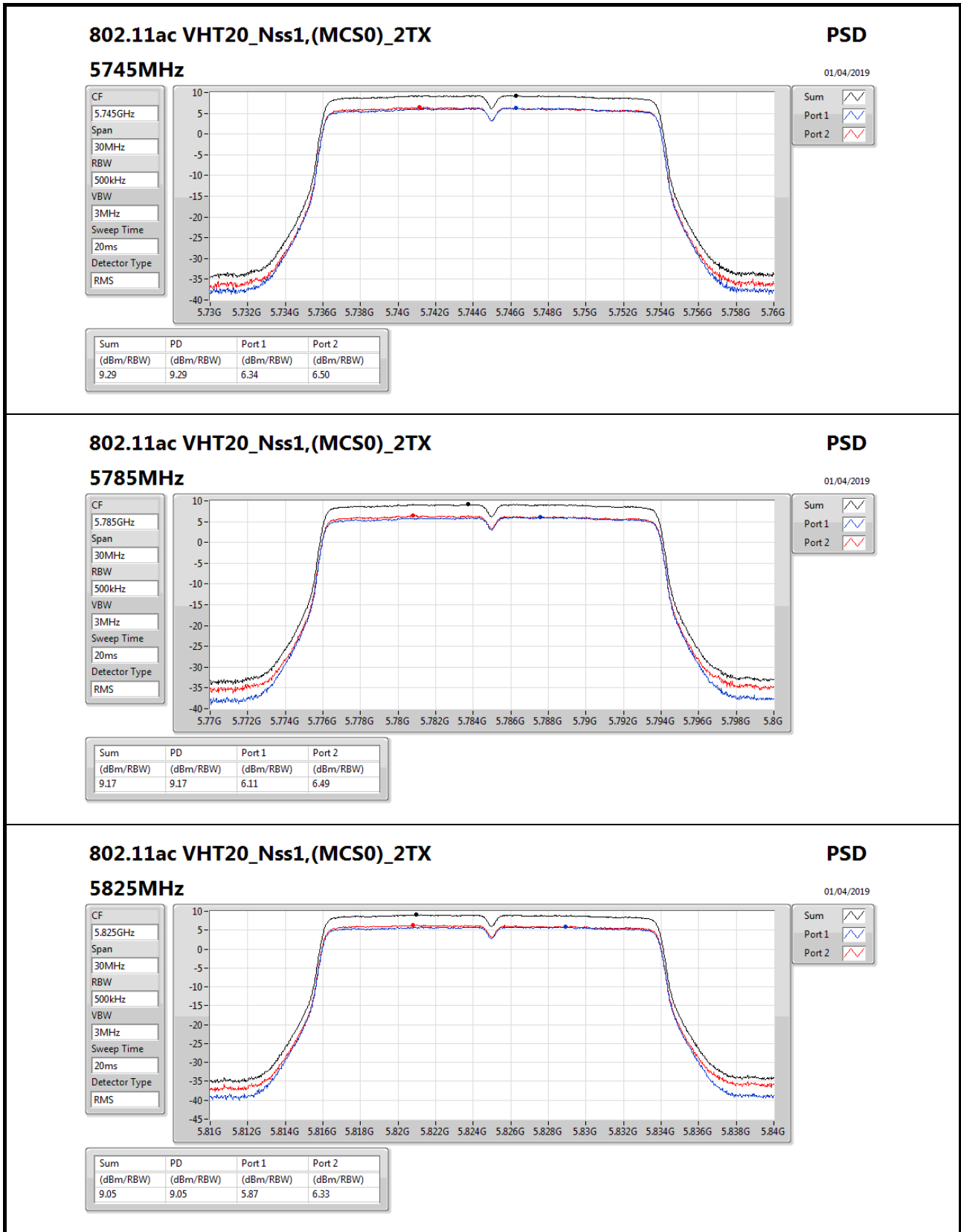
Detector Type
RMS



Sum

Port 1

Port 2



802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz

PSD

01/04/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

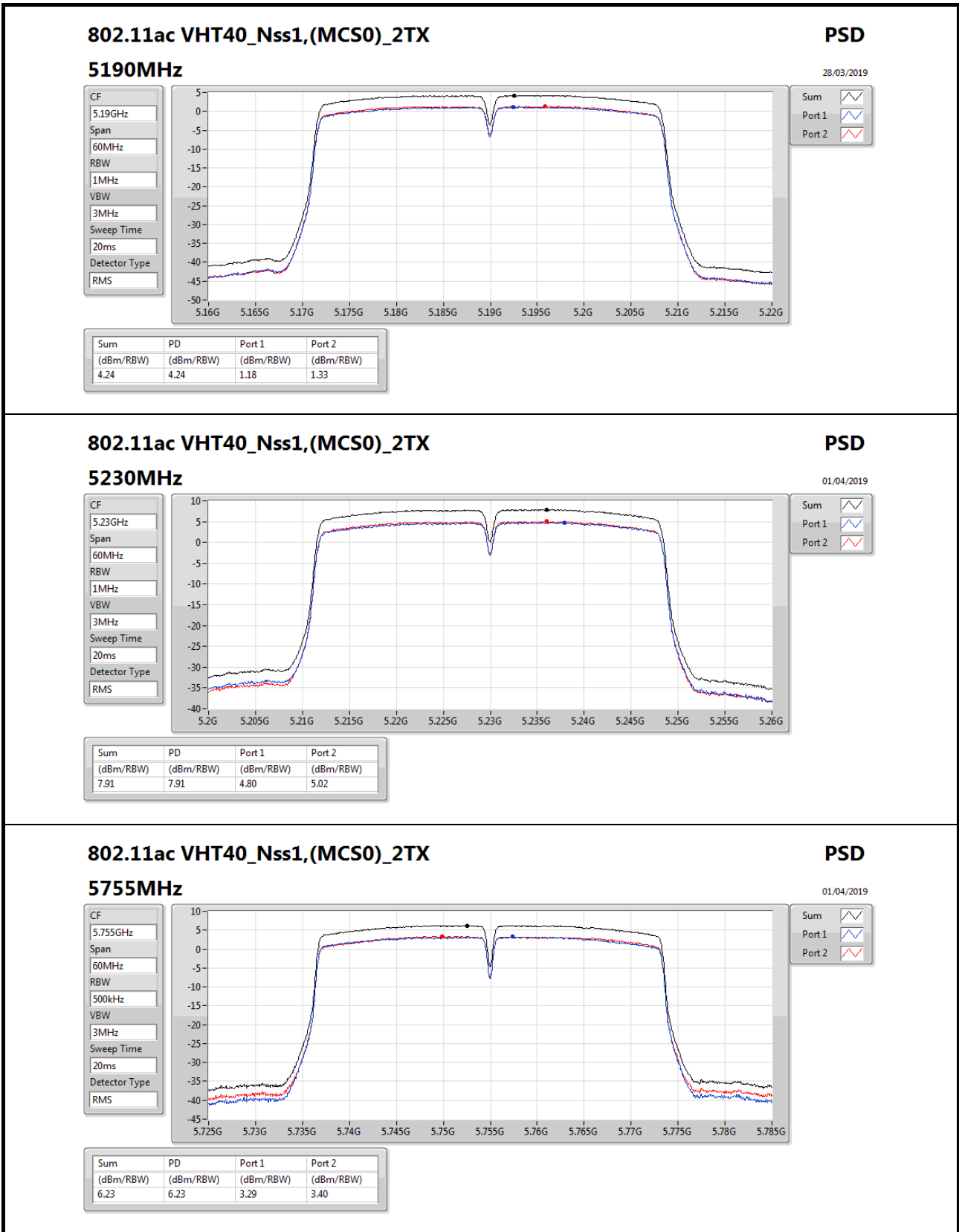
Detector Type
RMS

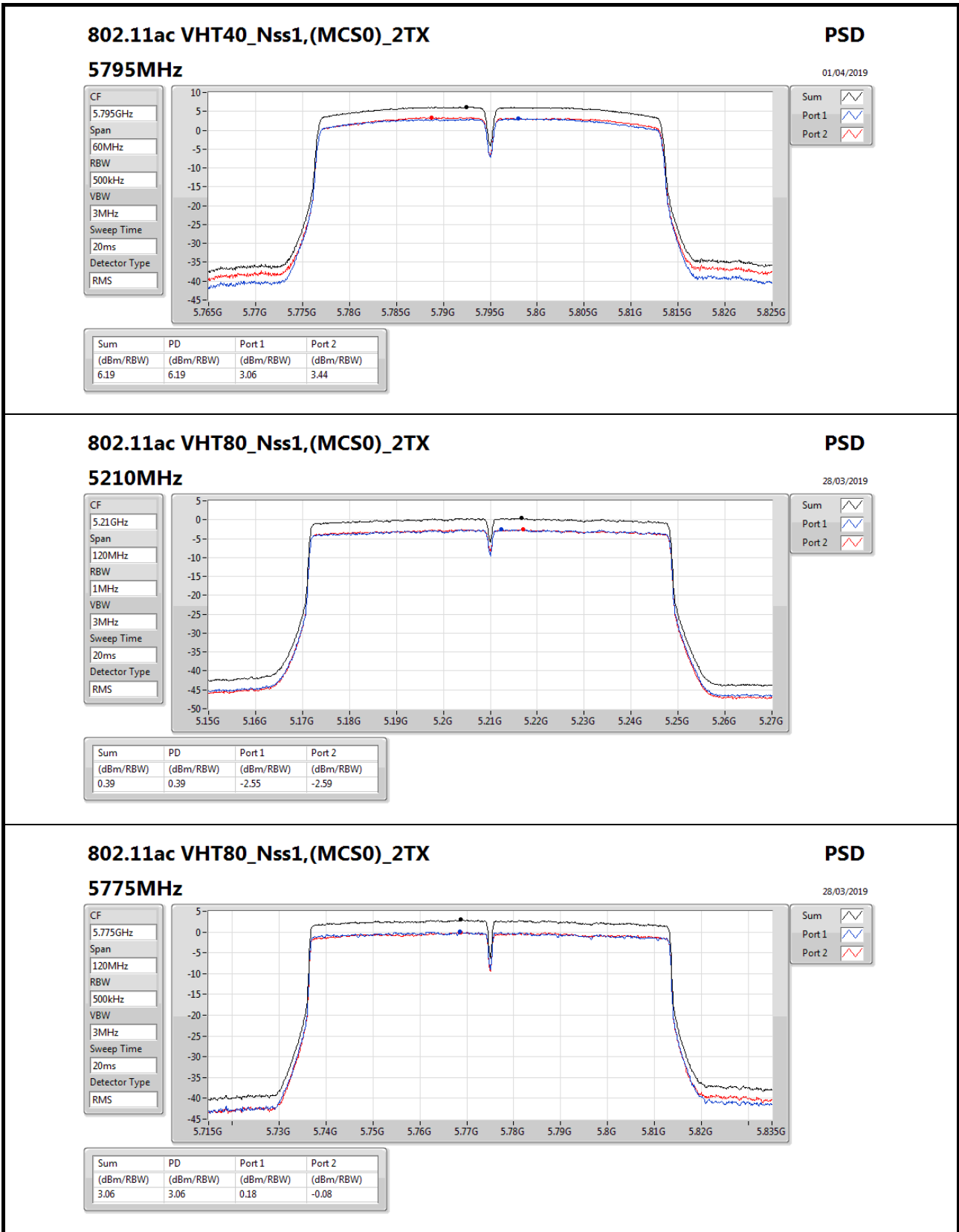


Sum 

Port 1 

Port 2 





802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz

PSD

28/03/2019

CF
5.775GHz

Span
120MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.06	3.06	0.18	-0.08



**For beamforming mode
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	10.64
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.53
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	1.27
5.725-5.85GHz	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	9.20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	5.71
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	2.88

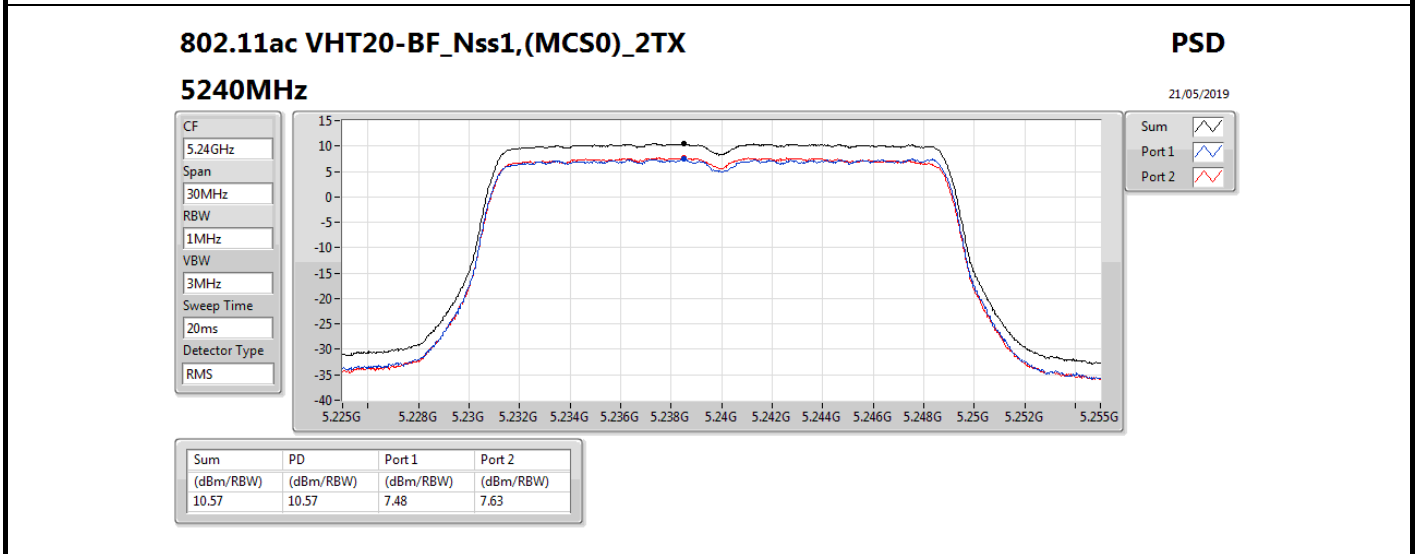
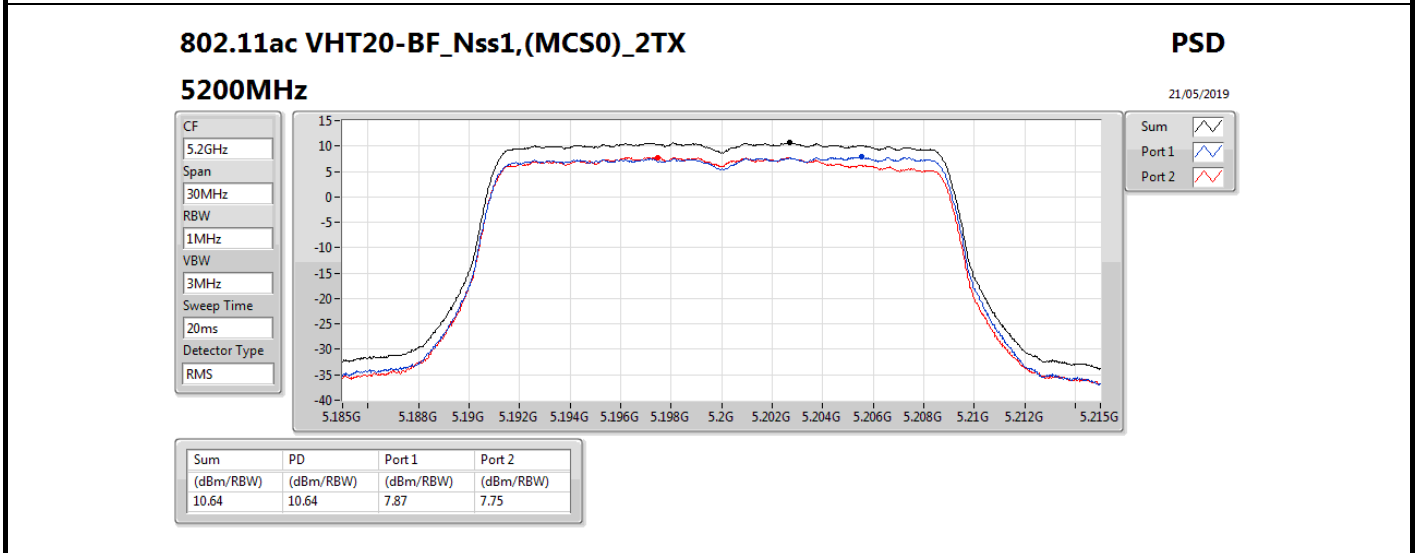
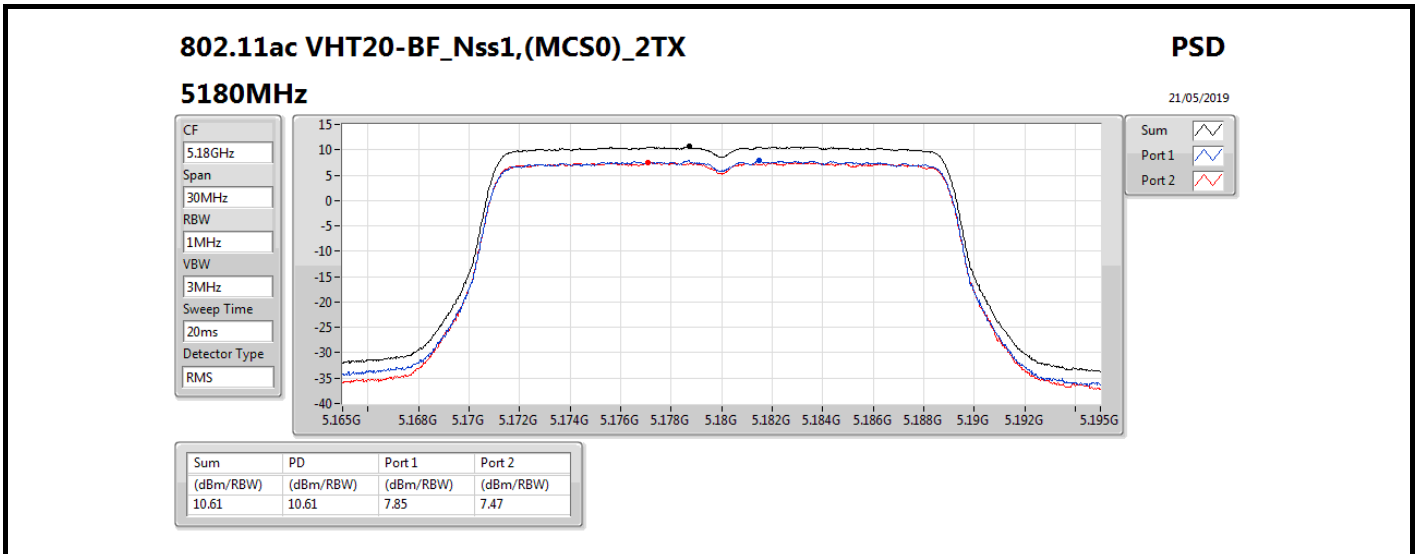
RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

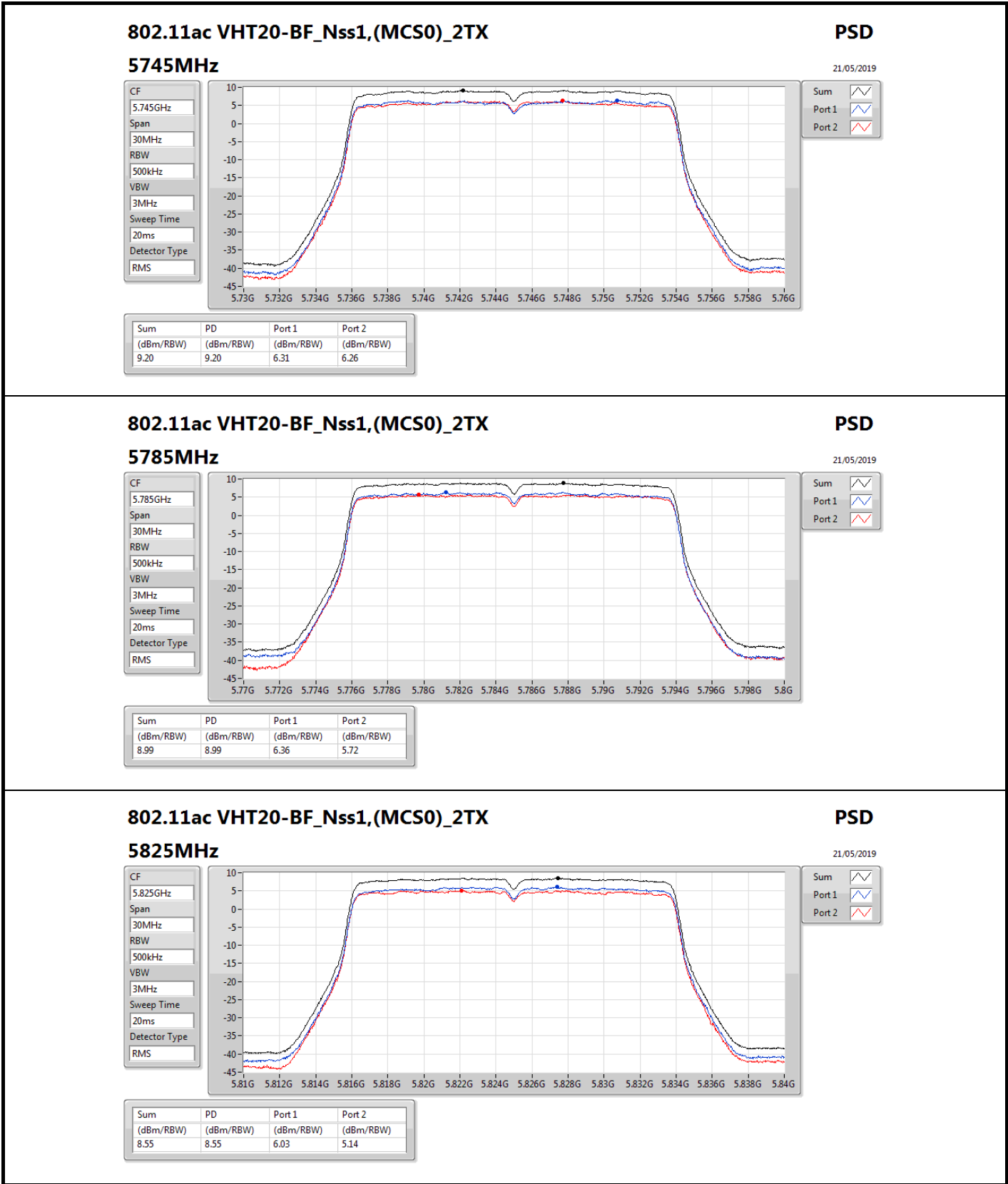
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.59	7.85	7.47	10.61	15.41
5200MHz	Pass	7.59	7.87	7.75	10.64	15.41
5240MHz	Pass	7.59	7.48	7.63	10.57	15.41
5745MHz	Pass	7.07	6.31	6.26	9.20	28.93
5785MHz	Pass	7.07	6.36	5.72	8.99	28.93
5825MHz	Pass	7.07	6.03	5.14	8.55	28.93
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.59	2.46	2.32	5.28	15.41
5230MHz	Pass	7.59	4.20	3.76	6.53	15.41
5755MHz	Pass	7.07	3.01	2.72	5.71	28.93
5795MHz	Pass	7.07	2.83	2.15	5.45	28.93
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.59	-1.31	-1.78	1.27	15.41
5775MHz	Pass	7.07	0.56	-0.41	2.88	28.93

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

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





802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz

PSD

21/05/2019

CF

5.825GHz

Span

30MHz

RBW

500kHz

VBW

3MHz

Sweep Time

20ms

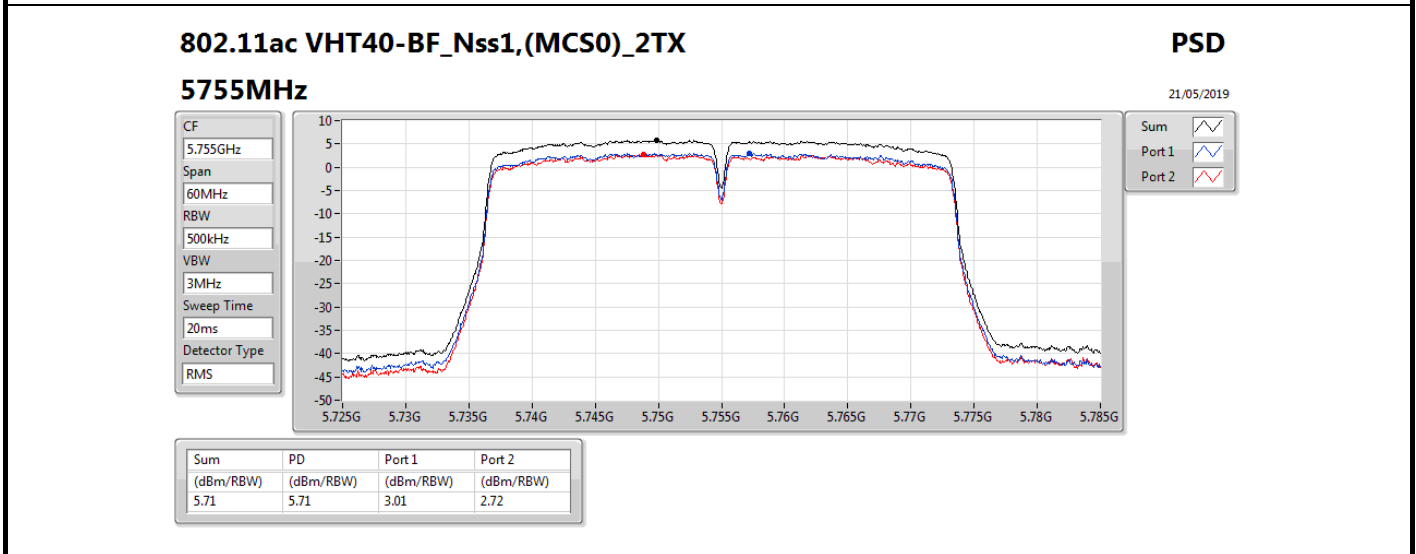
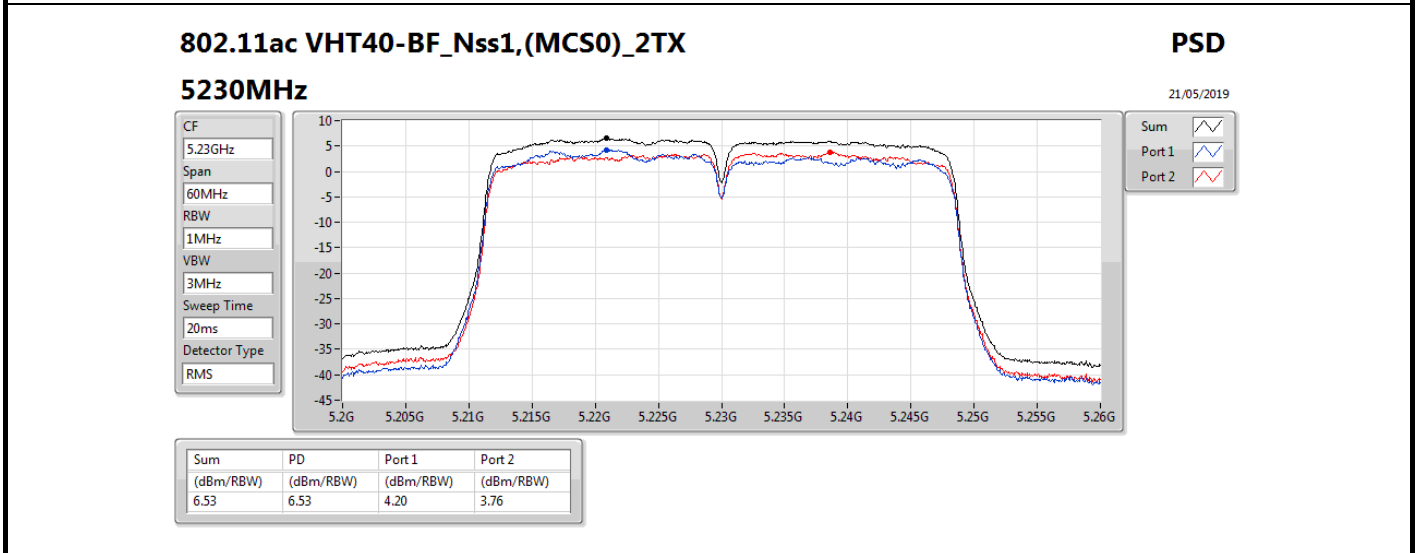
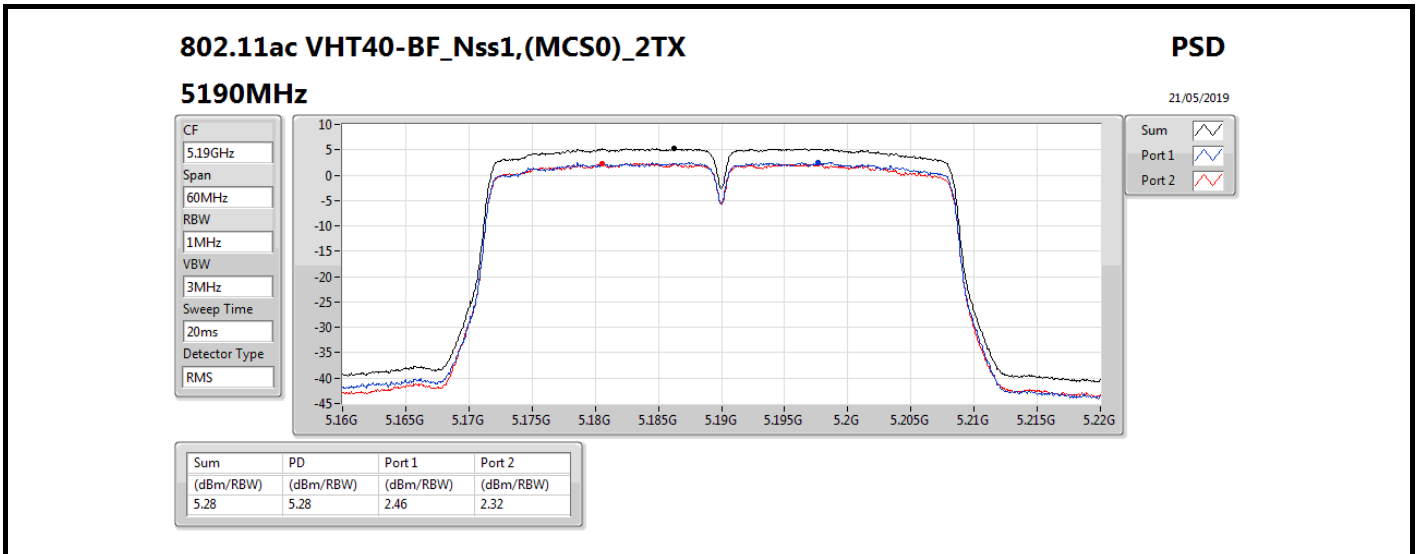
Detector Type

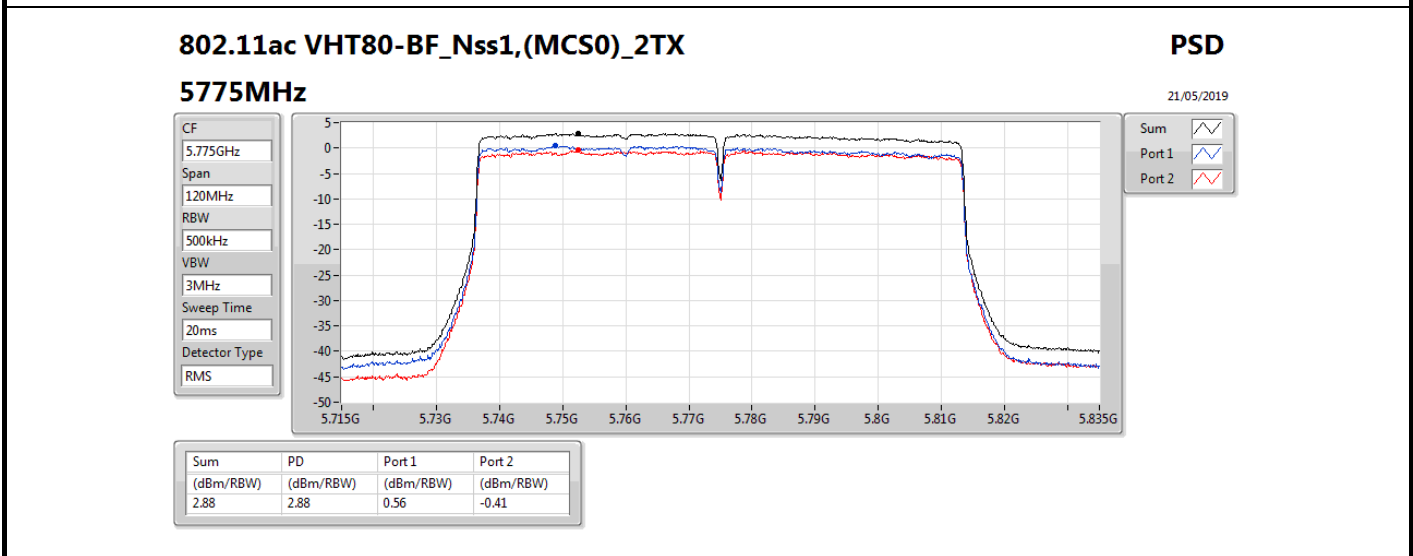
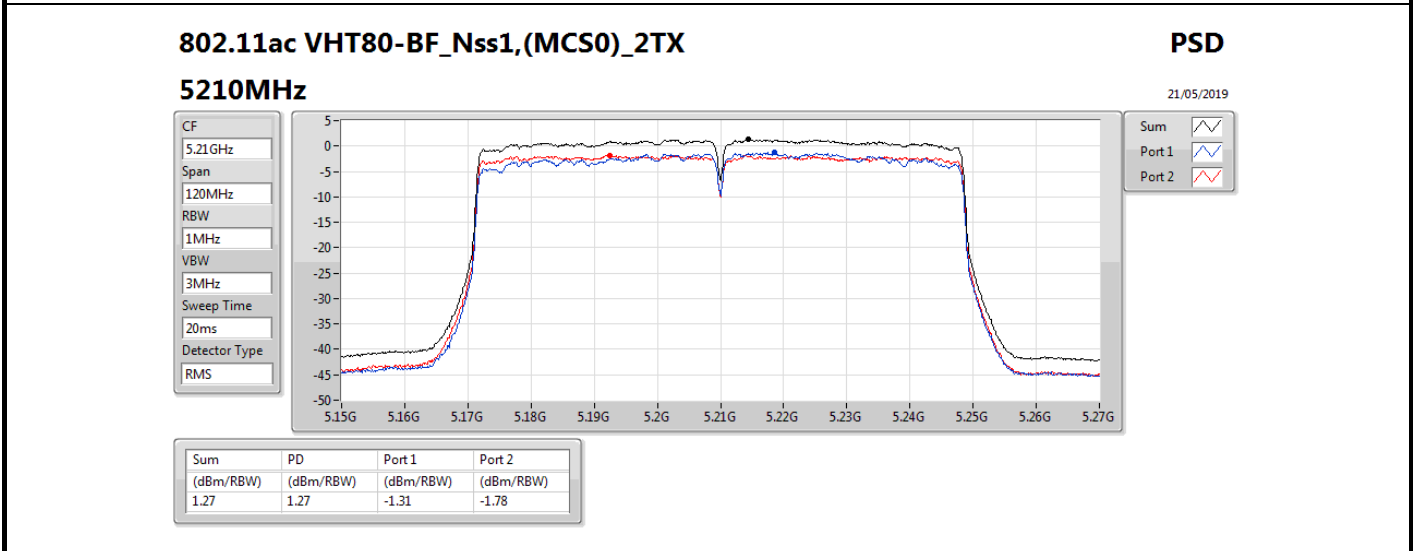
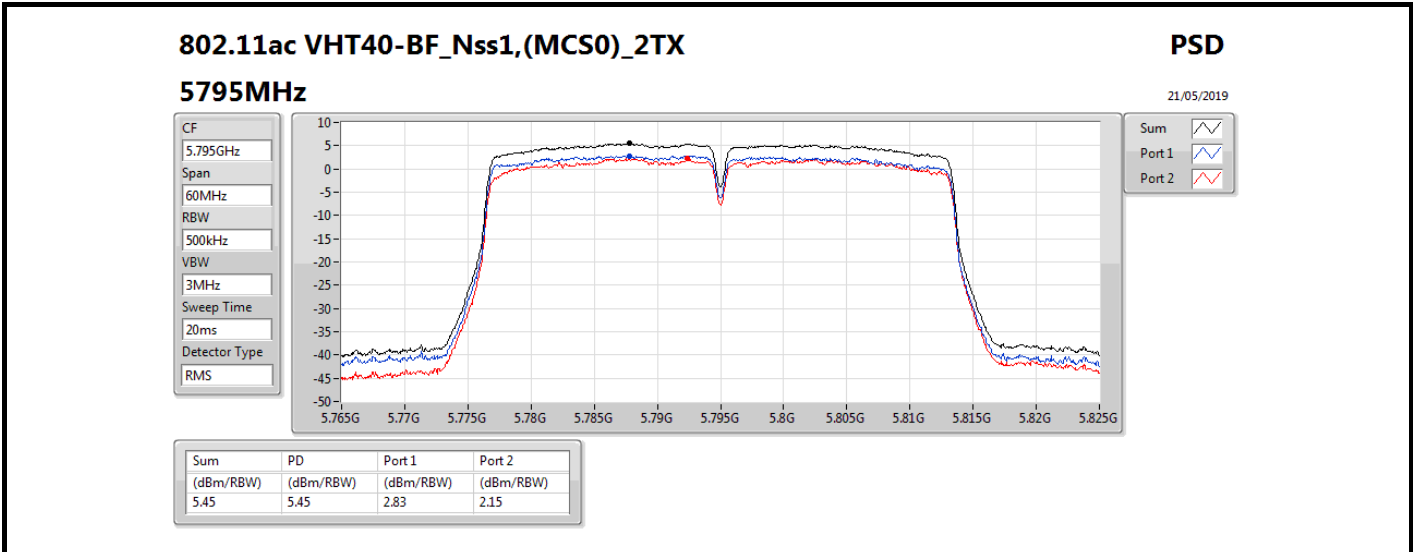
RMS

Sum

Port 1

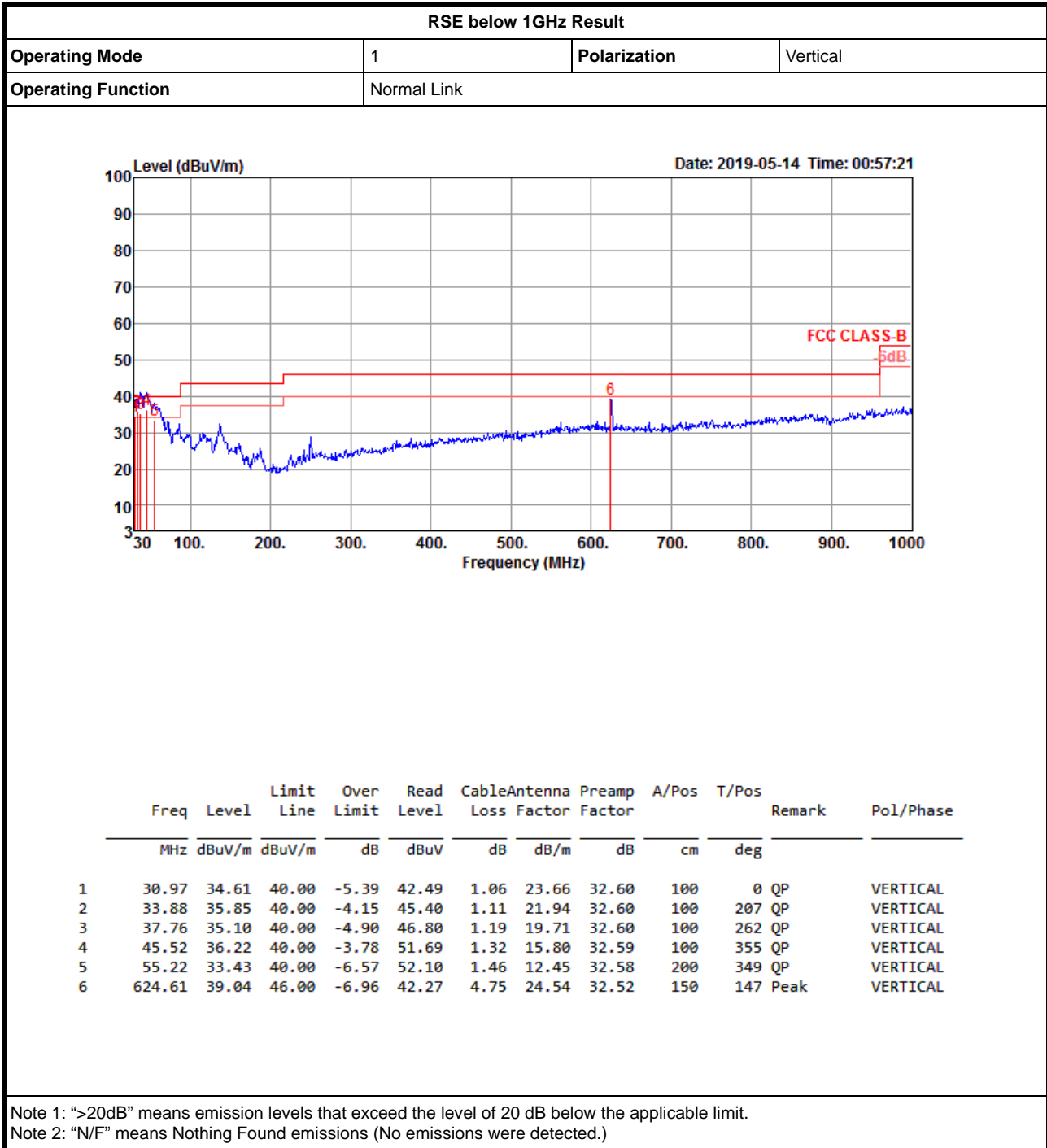
Port 2







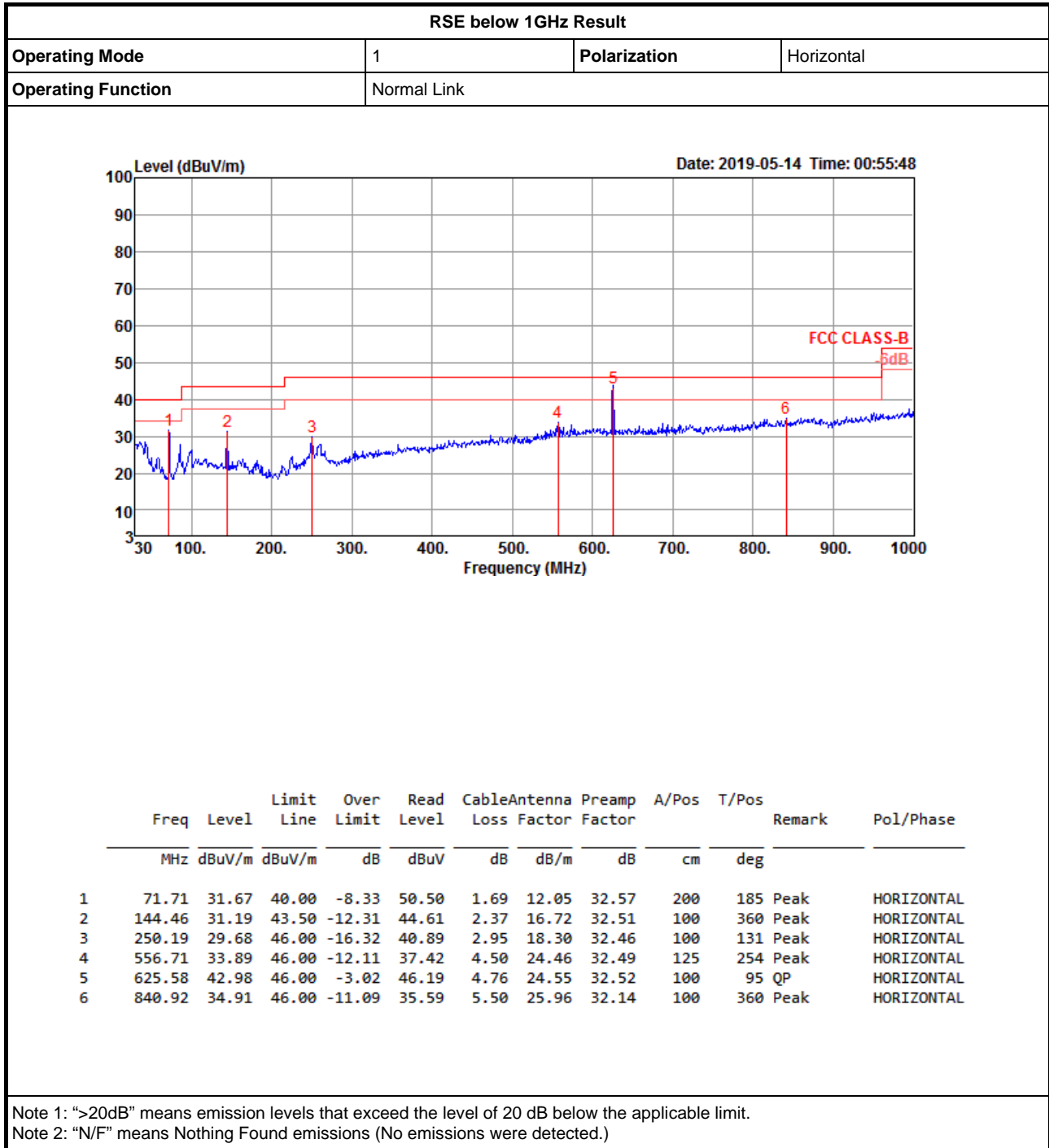
RSE below 1GHz Result





RSE below 1GHz Result

Appendix E.1





RSE TX above 1GHz Result

Appendix E.2

For Non-beamforming mode Summary

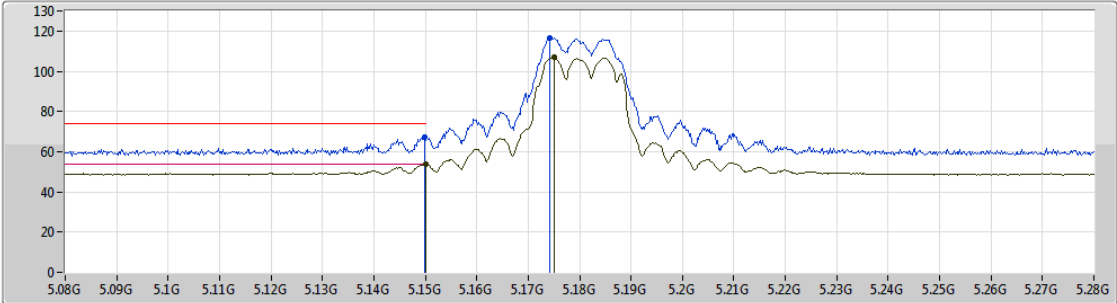
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.7253G	68.18	68.20	-0.02	9.34	3	Horizontal	278	1.00	-



802.11a_Nss1,(6Mbps)_2TX

26/03/2019

5180MHz_TX



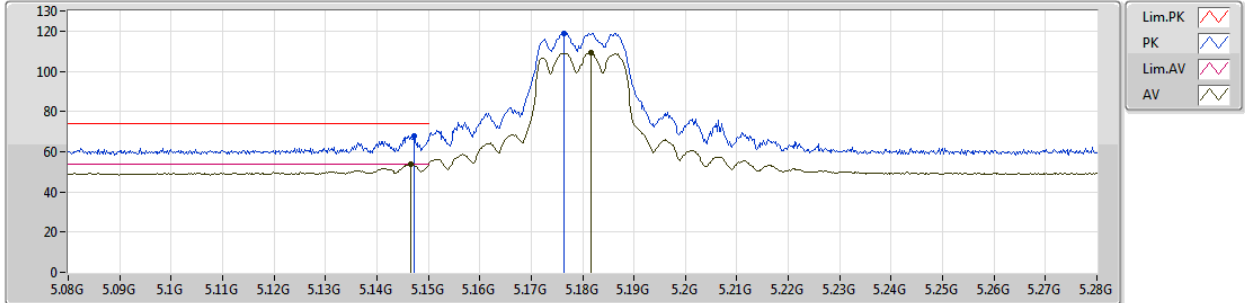
EUT_Z_2TX
Setting 21
04-E-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1498G	67.18	74.00	-6.82	7.85	3	Vertical	336	2.87	-
AV	5.15G	53.96	54.00	-0.04	7.85	3	Vertical	336	2.87	-
PK	5.1742G	116.66	Inf	-Inf	7.89	3	Vertical	336	2.87	-
AV	5.175G	106.82	Inf	-Inf	7.90	3	Vertical	336	2.87	-

802.11a_Nss1,(6Mbps)_2TX

26/03/2019

5180MHz_TX



EUT_Z_2TX
Setting 21
04-E-4-10
FSP(100304)

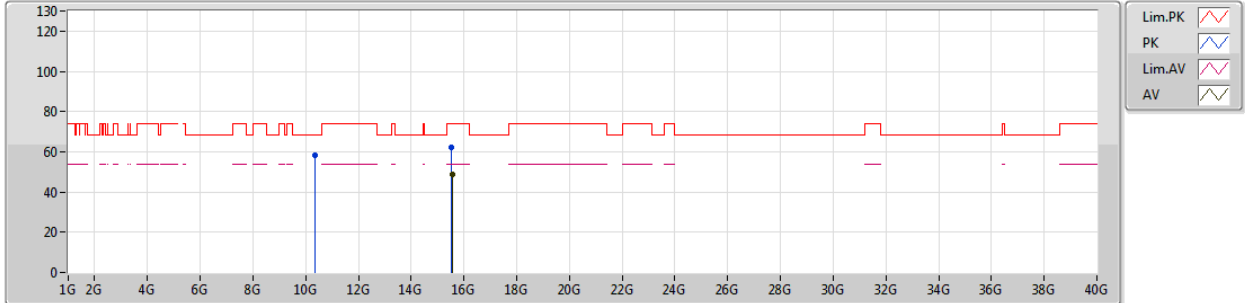
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1472G	67.66	74.00	-6.34	7.85	3	Horizontal	278	1.01	-
AV	5.1466G	53.68	54.00	-0.32	7.85	3	Horizontal	278	1.01	-
PK	5.1764G	118.98	Inf	-Inf	7.90	3	Horizontal	278	1.01	-
AV	5.1816G	109.02	Inf	-Inf	7.90	3	Horizontal	278	1.01	-



802.11a_Nss1,(6Mbps)_2TX

26/03/2019

5180MHz_TX



EUT_Z_2TX
Setting 21
04-E-4
FSP(100304)

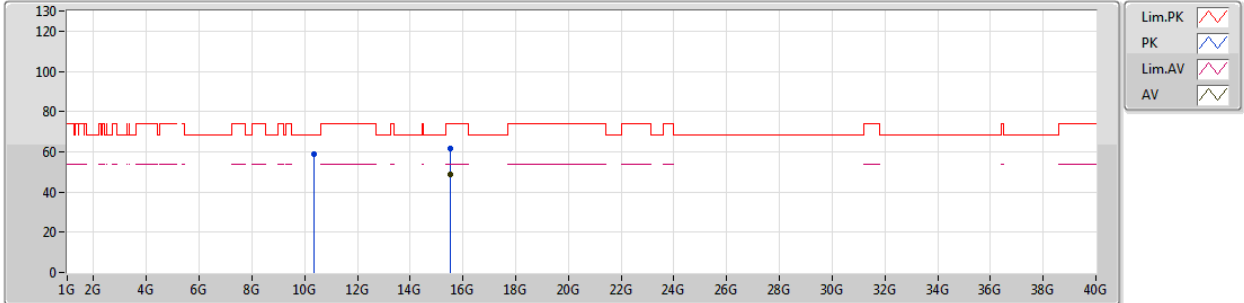
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.3669G	58.03	68.20	-10.17	15.11	3	Vertical	2	1.38	-
PK	15.52305G	62.24	74.00	-11.76	16.02	3	Vertical	276	1.50	-
AV	15.5603G	48.96	54.00	-5.04	16.00	3	Vertical	276	1.50	-



802.11a_Nss1,(6Mbps)_2TX

26/03/2019

5180MHz_TX



EUT_Z_2TX
Setting 21
04-E-4
FSP(100304)

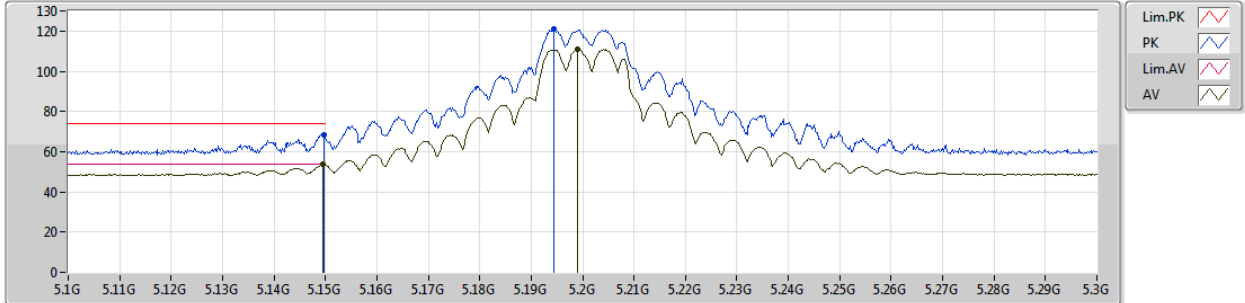
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.37205G	58.61	68.20	-9.59	15.11	3	Horizontal	298	1.50	-
PK	15.54335G	61.73	74.00	-12.27	16.02	3	Horizontal	75	1.50	-
AV	15.51705G	48.83	54.00	-5.17	16.03	3	Horizontal	75	1.50	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5200MHz_TX



EUT_Z_2TX
Setting 26
04-W-3-10
FSP(100304)

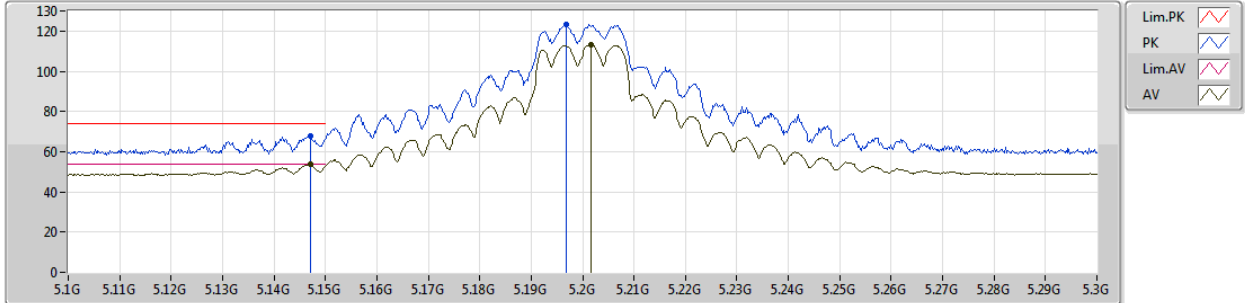
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1498G	68.55	74.00	-5.45	7.85	3	Vertical	309	1.01	-
AV	5.1494G	53.54	54.00	-0.46	7.85	3	Vertical	309	1.01	-
PK	5.1944G	120.81	Inf	-Inf	7.92	3	Vertical	309	1.01	-
AV	5.199G	110.90	Inf	-Inf	7.93	3	Vertical	309	1.01	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5200MHz_TX



EUT_Z_2TX
Setting 26
04-W-3-10
FSP(100304)

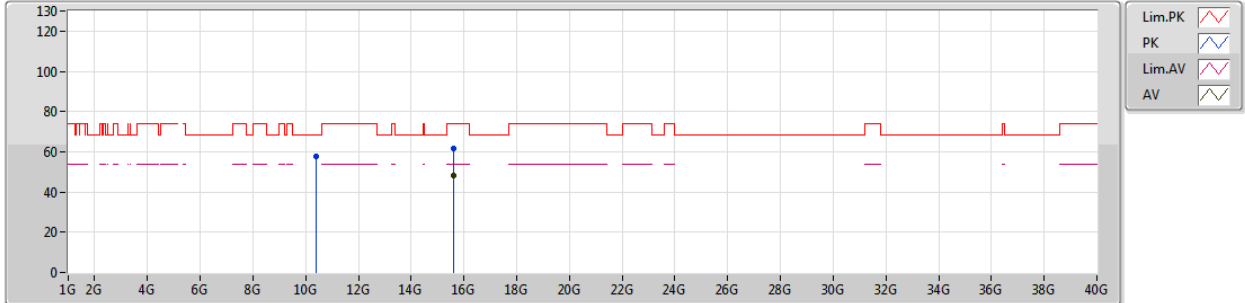
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.147G	67.96	74.00	-6.04	7.85	3	Horizontal	282	1.02	-
AV	5.147G	53.52	54.00	-0.48	7.85	3	Horizontal	282	1.02	-
PK	5.1968G	123.09	Inf	-Inf	7.93	3	Horizontal	282	1.02	-
AV	5.2016G	113.16	Inf	-Inf	7.93	3	Horizontal	282	1.02	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5200MHz_TX



EUT_Z_2TX
Setting 26
04-W-3
FSP(100304)

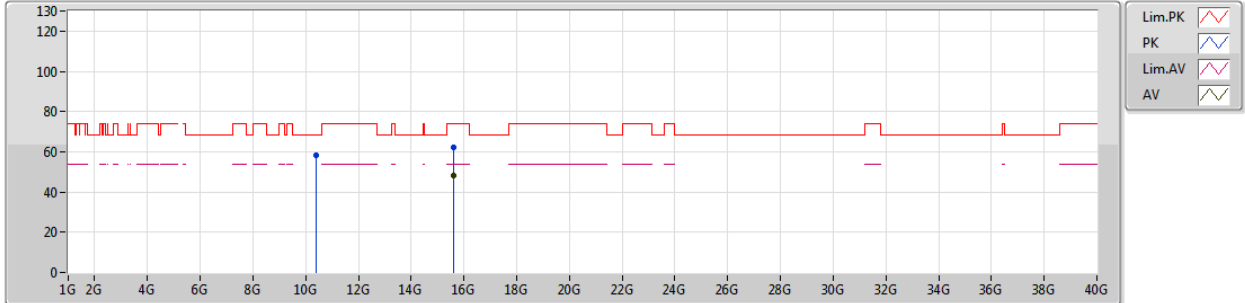
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.40416G	57.98	68.20	-10.22	15.12	3	Vertical	325	1.02	-
PK	15.6098G	61.55	74.00	-12.45	15.97	3	Vertical	149	1.50	-
AV	15.60624G	48.16	54.00	-5.84	15.98	3	Vertical	149	1.50	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5200MHz_TX



EUT_Z_2TX
Setting 26
04-W-3
FSP(100304)

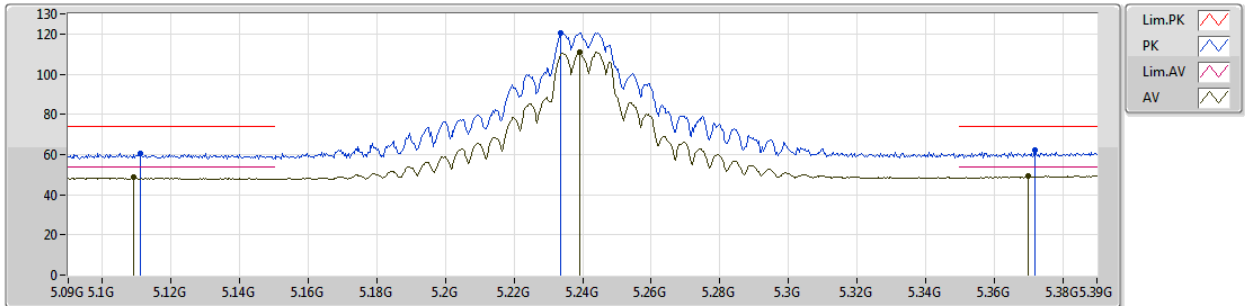
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.39384G	58.13	68.20	-10.07	15.12	3	Horizontal	204	1.80	-
PK	15.60658G	62.07	74.00	-11.93	15.97	3	Horizontal	319	1.50	-
AV	15.60542G	48.14	54.00	-5.86	15.98	3	Horizontal	319	1.50	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5240MHz_TX



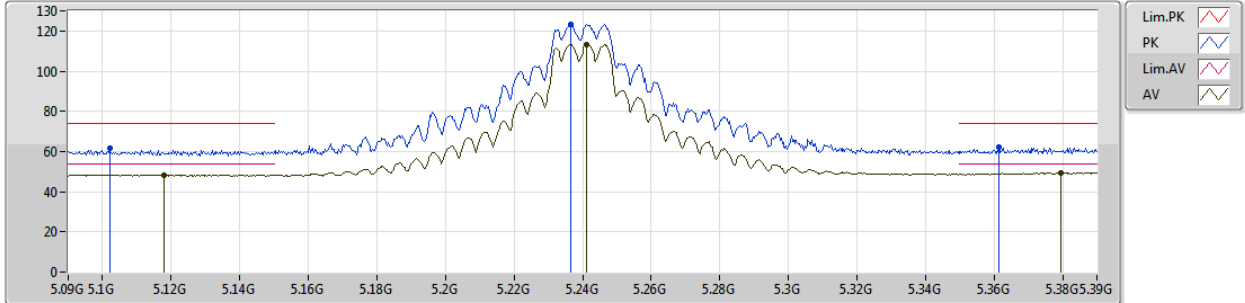
EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.111G	60.48	74.00	-13.52	7.80	3	Vertical	309	1.01	-
AV	5.1089G	48.48	54.00	-5.52	7.80	3	Vertical	309	1.01	-
PK	5.2337G	120.48	Inf	-Inf	8.07	3	Vertical	309	1.01	-
AV	5.2391G	110.82	Inf	-Inf	8.09	3	Vertical	309	1.01	-
PK	5.372G	62.26	74.00	-11.74	8.66	3	Vertical	309	1.01	-
AV	5.37G	49.36	54.00	-4.64	8.75	3	Vertical	309	1.01	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5240MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

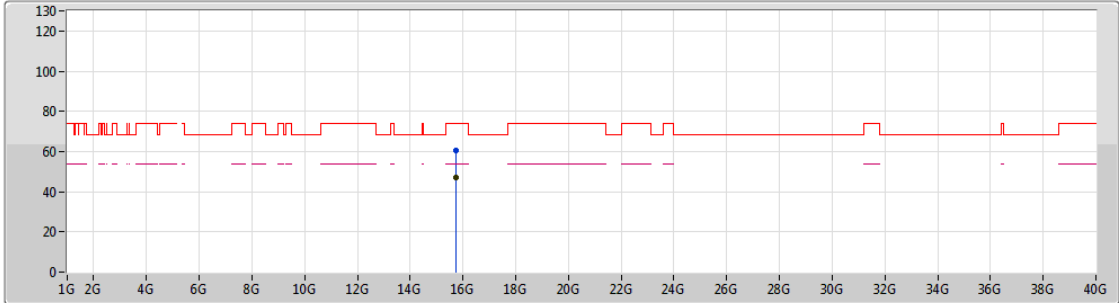
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.102G	61.56	74.00	-12.44	7.79	3	Horizontal	278	1.02	-
AV	5.1179G	48.43	54.00	-5.57	7.82	3	Horizontal	278	1.02	-
PK	5.2367G	123.54	Inf	-Inf	8.07	3	Horizontal	278	1.02	-
AV	5.2412G	113.24	Inf	-Inf	8.09	3	Horizontal	278	1.02	-
PK	5.3615G	62.36	74.00	-11.64	8.61	3	Horizontal	278	1.02	-
AV	5.3794G	49.42	54.00	-4.58	8.75	3	Horizontal	278	1.02	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5240MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

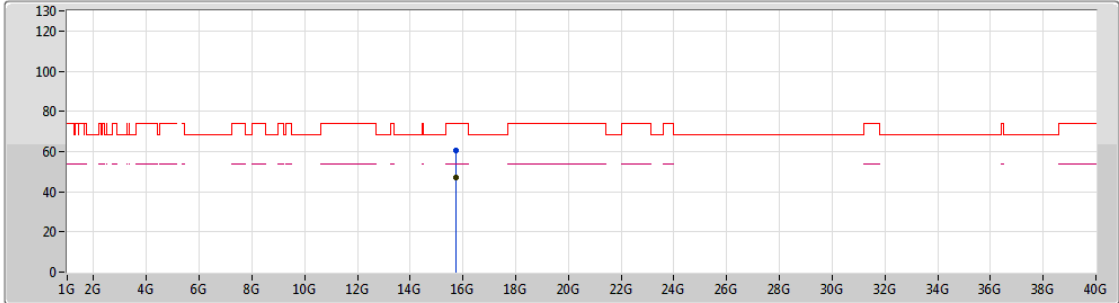
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.72148G	60.33	74.00	-13.67	15.91	3	Vertical	196	1.48	-
AV	15.71777G	46.87	54.00	-7.13	15.92	3	Vertical	196	1.48	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5240MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

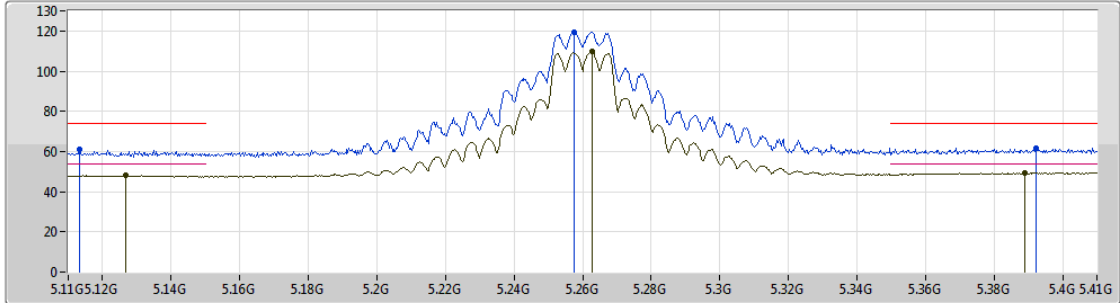
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.71708G	60.32	74.00	-13.68	15.92	3	Horizontal	20	2.14	-
AV	15.72252G	46.91	54.00	-7.09	15.91	3	Horizontal	20	2.14	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5260MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1133G	60.86	74.00	-13.14	7.80	3	Vertical	293	1.50	-
AV	5.1268G	47.94	54.00	-6.06	7.83	3	Vertical	293	1.50	-
PK	5.2576G	119.60	Inf	-Inf	8.16	3	Vertical	293	1.50	-
AV	5.2627G	109.66	Inf	-Inf	8.18	3	Vertical	293	1.50	-
PK	5.3923G	61.54	74.00	-12.46	8.76	3	Vertical	293	1.50	-
AV	5.3891G	49.50	54.00	-4.50	8.83	3	Vertical	293	1.50	-

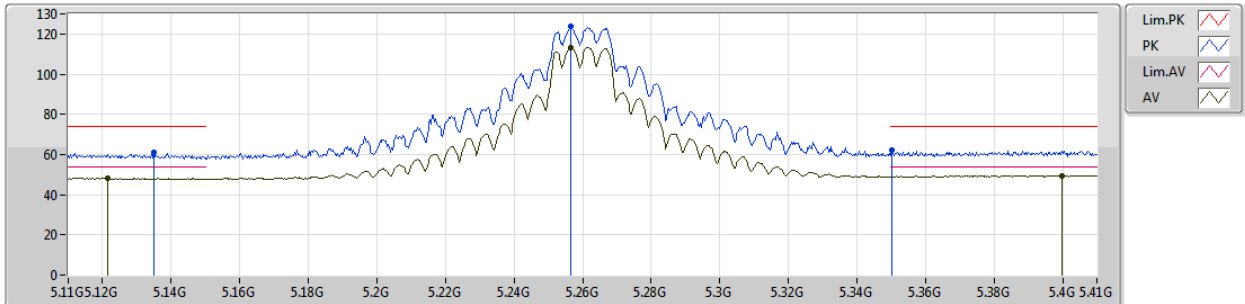


RSE TX above 1GHz Result

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5260MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

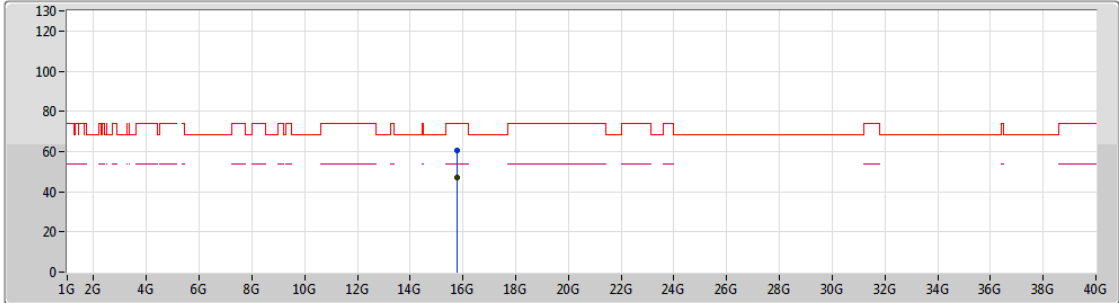
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1349G	60.81	74.00	-13.19	7.83	3	Horizontal	284	1.01	-
AV	5.1215G	48.34	54.00	-5.66	7.82	3	Horizontal	284	1.01	-
PK	5.2567G	123.68	Inf	-Inf	8.15	3	Horizontal	284	1.01	-
AV	5.2567G	113.26	Inf	-Inf	8.15	3	Horizontal	284	1.01	-
PK	5.3503G	62.01	74.00	-11.99	8.56	3	Horizontal	284	1.01	-
AV	5.3998G	49.59	54.00	-4.41	8.79	3	Horizontal	284	1.01	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5260MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

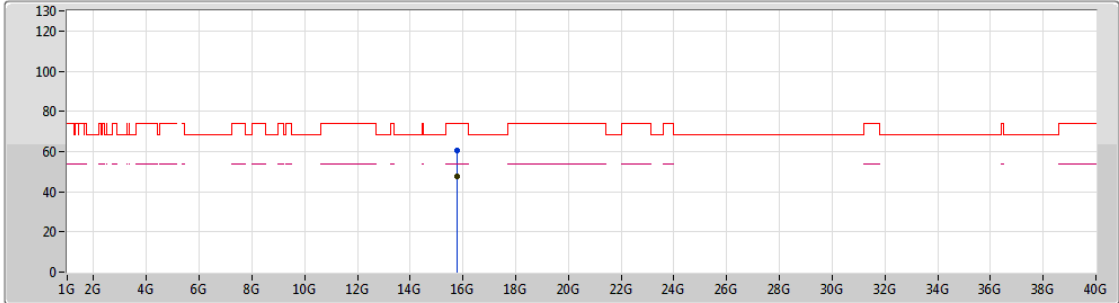
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.78477G	60.32	74.00	-13.68	15.88	3	Vertical	176	1.48	-
AV	15.78205G	47.13	54.00	-6.87	15.87	3	Vertical	176	1.48	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5260MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

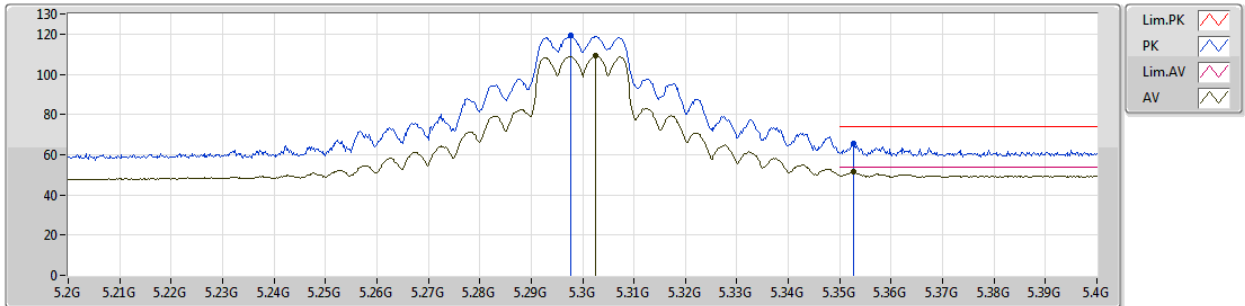
EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.77669G	60.49	74.00	-13.51	15.88	3	Horizontal	14	1.10	-
AV	15.78214G	47.36	54.00	-6.64	15.87	3	Horizontal	14	1.10	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5300MHz_TX



EUT_Z_2TX
Setting 26
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2976G	119.12	Inf	-Inf	8.32	3	Vertical	293	1.50	-
AV	5.3026G	109.02	Inf	-Inf	8.33	3	Vertical	293	1.50	-
PK	5.3526G	65.49	74.00	-8.51	8.57	3	Vertical	293	1.50	-
AV	5.3526G	51.39	54.00	-2.61	8.57	3	Vertical	293	1.50	-



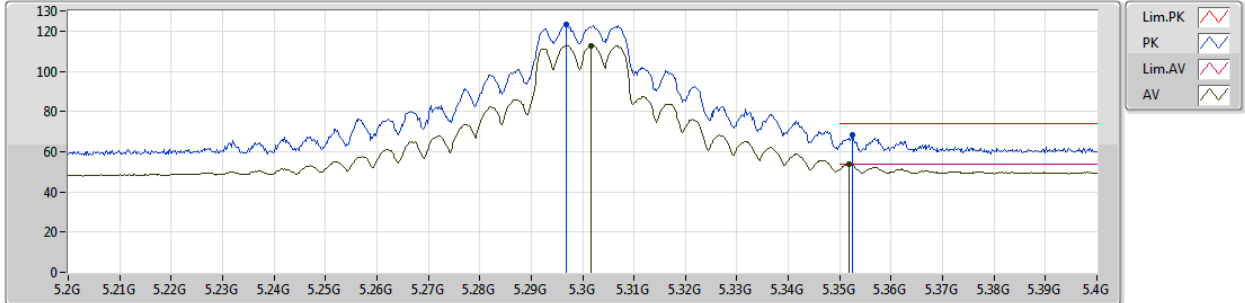
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5300MHz_TX



EUT_Z_2TX
Setting 26
04-W-3-10
FSP(100304)

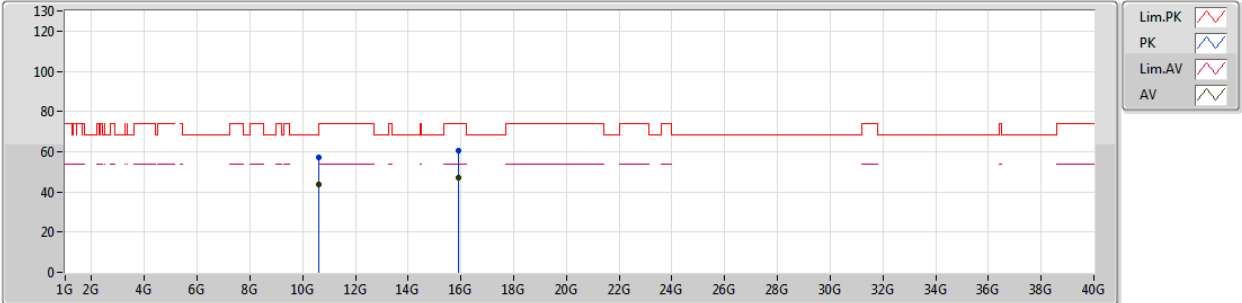
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2968G	123.24	Inf	-Inf	8.30	3	Horizontal	286	1.01	-
AV	5.3016G	112.87	Inf	-Inf	8.32	3	Horizontal	286	1.01	-
PK	5.3524G	68.58	74.00	-5.42	8.57	3	Horizontal	286	1.01	-
AV	5.3518G	53.76	54.00	-0.24	8.57	3	Horizontal	286	1.01	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5300MHz_TX



EUT_Z_2TX
Setting 26
04-W-3
FSP(100304)

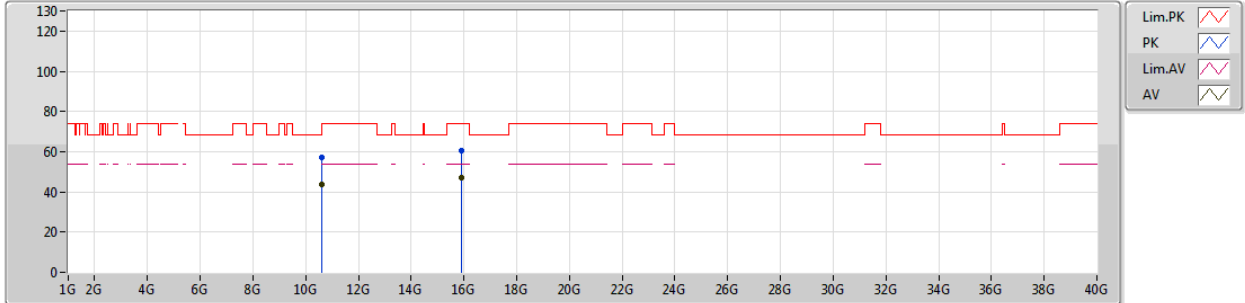
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60013G	57.00	74.00	-17.00	15.19	3	Vertical	153	1.20	-
AV	10.60189G	43.94	54.00	-10.06	15.19	3	Vertical	153	1.20	-
PK	15.89904G	60.57	74.00	-13.43	15.81	3	Vertical	353	2.39	-
AV	15.89876G	47.19	54.00	-6.81	15.81	3	Vertical	353	2.39	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5300MHz_TX



EUT_Z_2TX
Setting 26
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60017G	56.99	74.00	-17.01	15.19	3	Horizontal	44	2.03	-
AV	10.60128G	43.97	54.00	-10.03	15.19	3	Horizontal	44	2.03	-
PK	15.89925G	60.74	74.00	-13.26	15.81	3	Horizontal	124	2.19	-
AV	15.90006G	47.20	54.00	-6.80	15.81	3	Horizontal	124	2.19	-



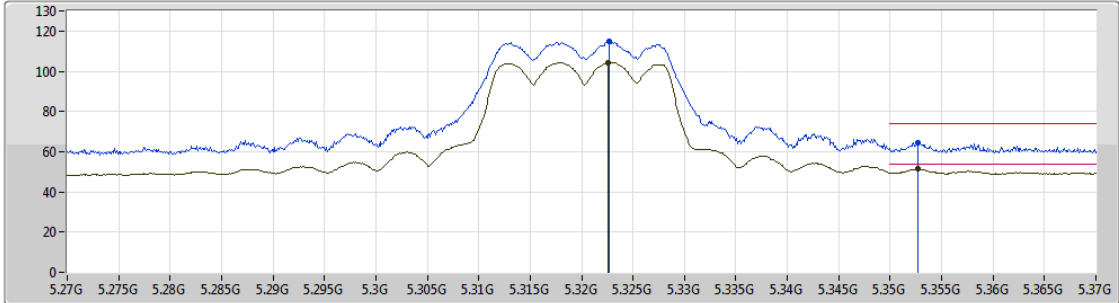
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5320MHz_TX



EUT_Z_2TX
Setting 20.5
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3227G	114.70	Inf	-Inf	8.43	3	Vertical	296	1.50	-
AV	5.3226G	104.46	Inf	-Inf	8.43	3	Vertical	296	1.50	-
PK	5.3527G	64.51	74.00	-9.49	8.57	3	Vertical	296	1.50	-
AV	5.3527G	51.49	54.00	-2.51	8.57	3	Vertical	296	1.50	-



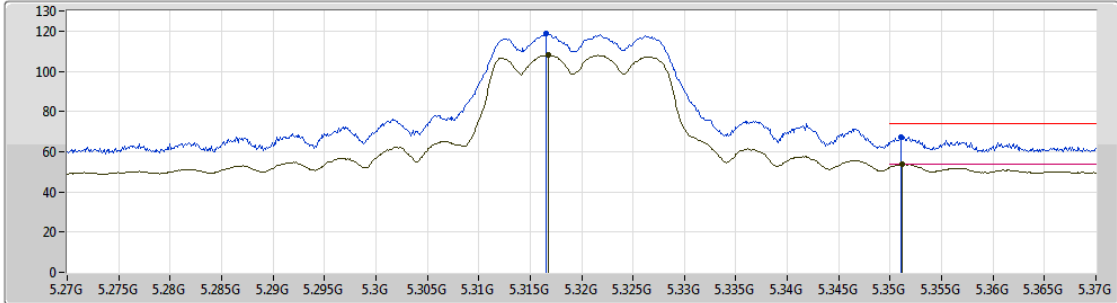
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5320MHz_TX



EUT_Z_2TX
Setting 20.5
04-W-3-10
FSP(100304)

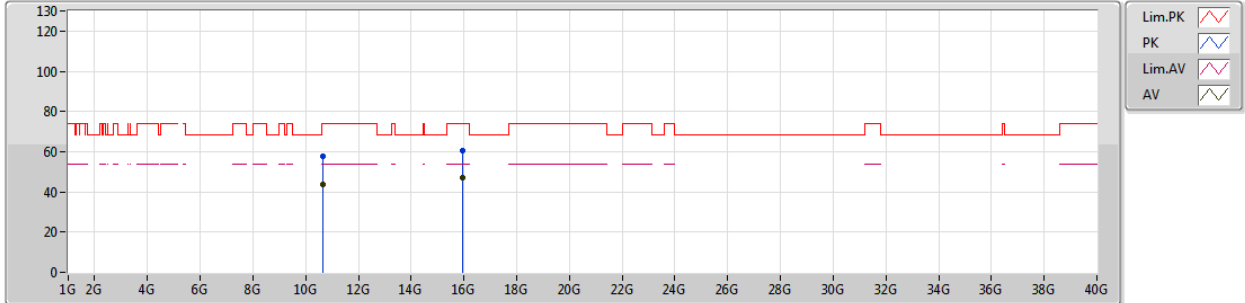
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3165G	118.57	Inf	-Inf	8.39	3	Horizontal	282	1.05	-
AV	5.3168G	108.14	Inf	-Inf	8.40	3	Horizontal	282	1.05	-
PK	5.3511G	67.51	74.00	-6.49	8.56	3	Horizontal	282	1.05	-
AV	5.3512G	53.77	54.00	-0.23	8.56	3	Horizontal	282	1.05	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5320MHz_TX



EUT_Z_2TX
Setting 20.5
04-W-3
FSP(100304)

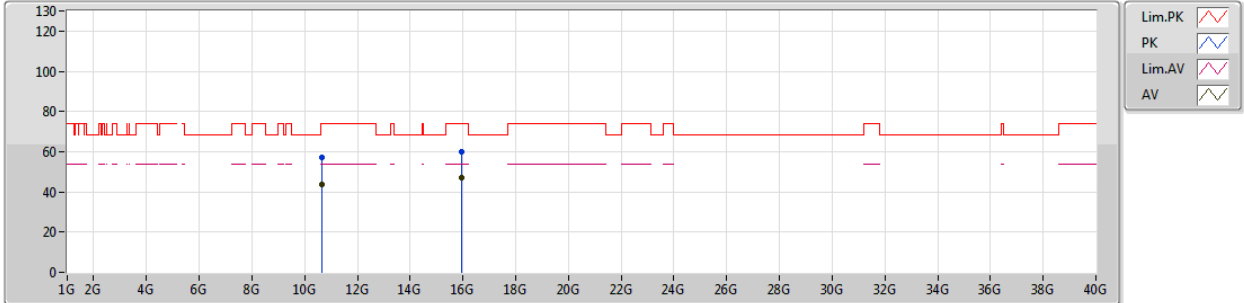
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.64279G	57.75	74.00	-16.25	15.20	3	Vertical	67	1.11	-
AV	10.63923G	43.80	54.00	-10.20	15.21	3	Vertical	67	1.11	-
PK	15.95661G	60.42	74.00	-13.58	15.77	3	Vertical	20	1.49	-
AV	15.96257G	47.01	54.00	-6.99	15.77	3	Vertical	20	1.49	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5320MHz_TX



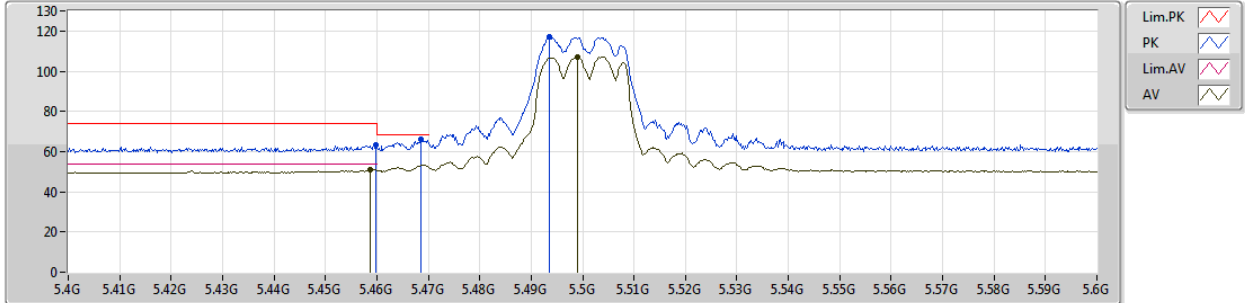
EUT_Z_2TX
Setting 20.5
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.6391G	57.01	74.00	-16.99	15.21	3	Horizontal	177	2.32	-
AV	10.63734G	43.75	54.00	-10.25	15.21	3	Horizontal	177	2.32	-
PK	15.96244G	60.00	74.00	-14.00	15.77	3	Horizontal	64	1.12	-
AV	15.96036G	46.98	54.00	-7.02	15.77	3	Horizontal	64	1.12	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5500MHz_TX



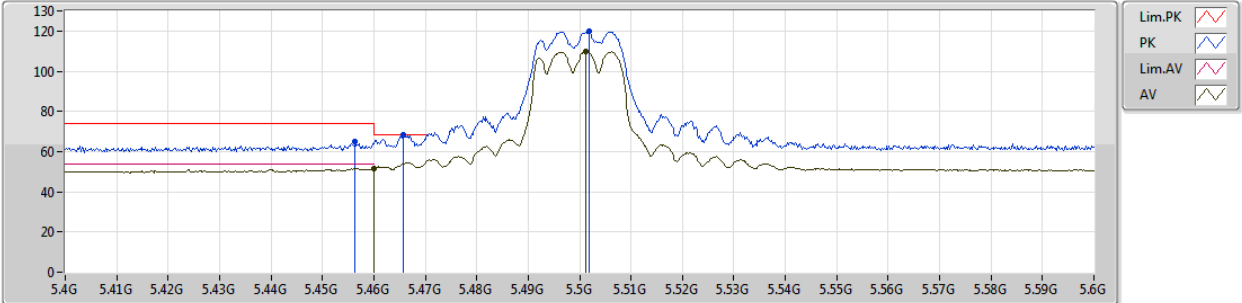
EUT_Z_2TX
Setting 20
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4598G	63.36	74.00	-10.64	9.02	3	Vertical	330	2.42	-
AV	5.4588G	50.98	54.00	-3.02	9.02	3	Vertical	330	2.42	-
PK	5.4686G	65.92	68.20	-2.28	9.05	3	Vertical	330	2.42	-
PK	5.4936G	117.01	Inf	-Inf	9.14	3	Vertical	330	2.42	-
AV	5.499G	106.98	Inf	-Inf	9.17	3	Vertical	330	2.42	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5500MHz_TX



EUT_Z_2TX
Setting 20
04-W-3-10
FSP(100304)

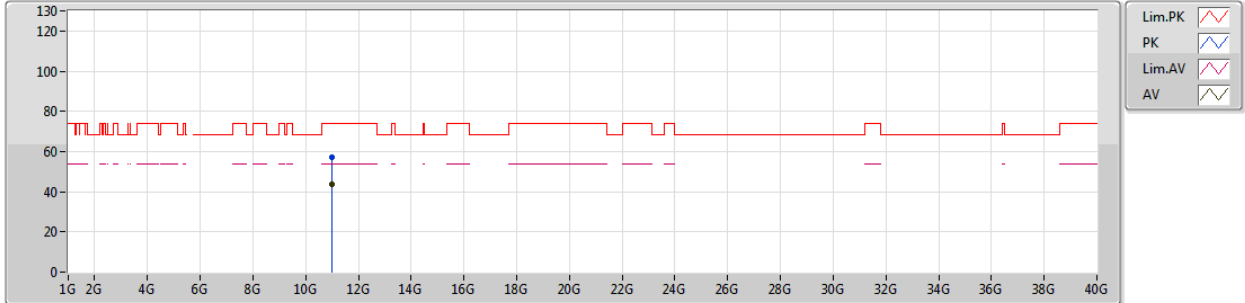
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4564G	64.96	74.00	-9.04	9.01	3	Horizontal	282	1.03	-
AV	5.46G	51.73	54.00	-2.27	9.02	3	Horizontal	282	1.03	-
PK	5.4658G	68.15	68.20	-0.05	9.04	3	Horizontal	282	1.03	-
PK	5.5018G	119.64	Inf	-Inf	9.17	3	Horizontal	282	1.03	-
AV	5.5012G	109.81	Inf	-Inf	9.17	3	Horizontal	282	1.03	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5500MHz_TX



EUT_Z_2TX
Setting 20
04-W-3
FSP(100304)

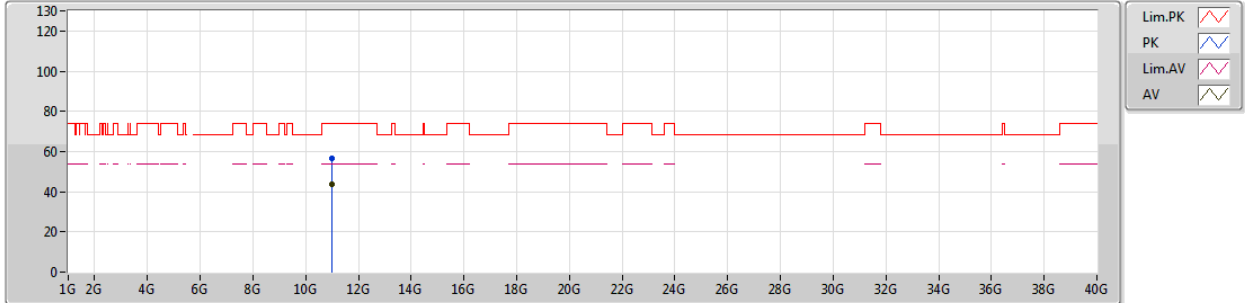
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.99515G	57.14	74.00	-16.86	15.34	3	Vertical	42	1.77	-
AV	11.00072G	43.51	54.00	-10.49	15.34	3	Vertical	42	1.77	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5500MHz_TX



EUT_Z_2TX
Setting 20
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.00349G	56.39	74.00	-17.61	15.34	3	Horizontal	260	1.72	-
AV	11.00423G	43.50	54.00	-10.50	15.34	3	Horizontal	260	1.72	-



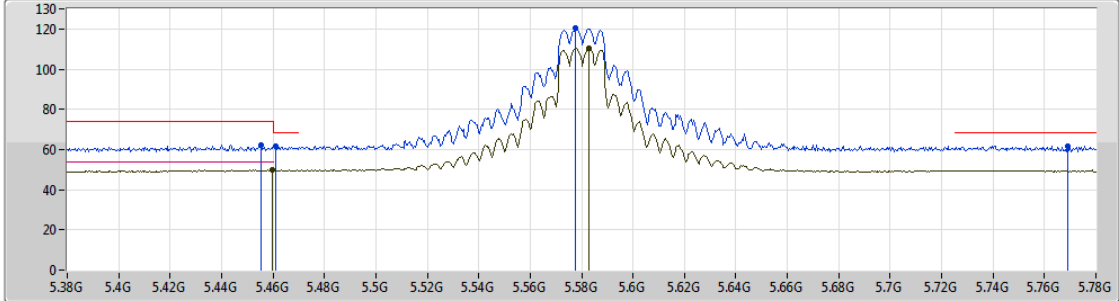
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5580MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4552G	62.31	74.00	-11.69	9.00	3	Vertical	292	1.50	-
AV	5.4596G	49.88	54.00	-4.12	9.02	3	Vertical	292	1.50	-
PK	5.4612G	61.55	68.20	-6.65	9.02	3	Vertical	292	1.50	-
PK	5.5776G	120.45	Inf	-Inf	9.29	3	Vertical	292	1.50	-
AV	5.5828G	110.22	Inf	-Inf	9.30	3	Vertical	292	1.50	-
PK	5.7692G	61.64	68.20	-6.56	9.38	3	Vertical	292	1.50	-



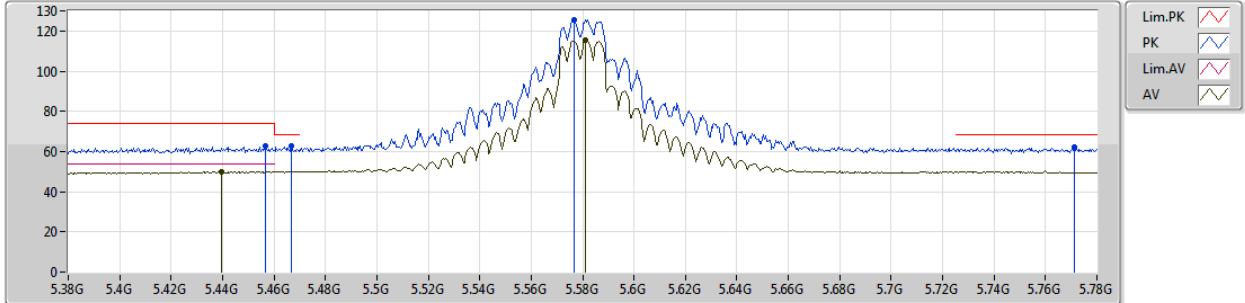
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5580MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

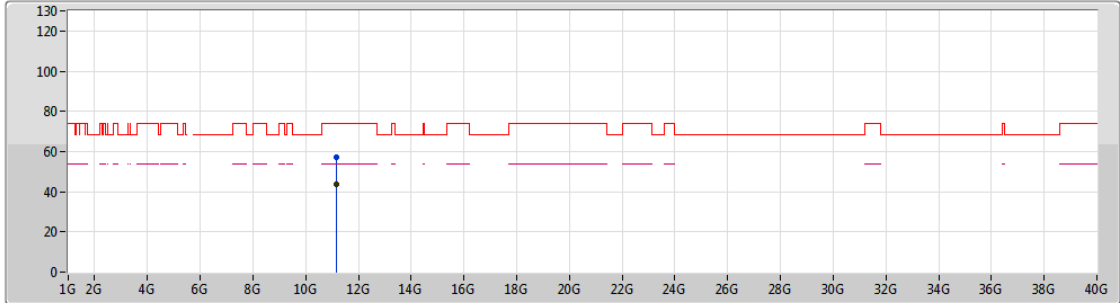
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4568G	62.76	74.00	-11.24	9.01	3	Horizontal	277	1.07	-
AV	5.4396G	49.99	54.00	-4.01	8.94	3	Horizontal	277	1.07	-
PK	5.4668G	62.48	68.20	-5.72	9.05	3	Horizontal	277	1.07	-
PK	5.5768G	125.42	Inf	-Inf	9.28	3	Horizontal	277	1.07	-
AV	5.5812G	115.41	Inf	-Inf	9.29	3	Horizontal	277	1.07	-
PK	5.7712G	62.05	68.20	-6.15	9.38	3	Horizontal	277	1.07	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5580MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

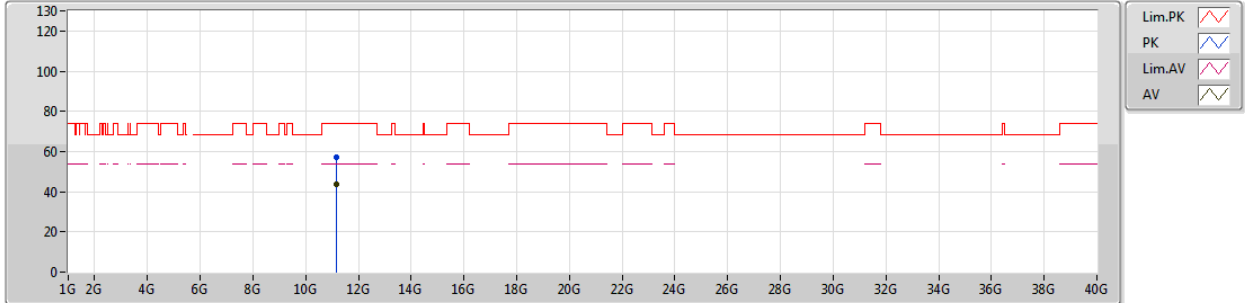
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.1553G	57.04	74.00	-16.96	15.30	3	Vertical	10	2.08	-
AV	11.16098G	43.58	54.00	-10.42	15.31	3	Vertical	10	2.08	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5580MHz_TX



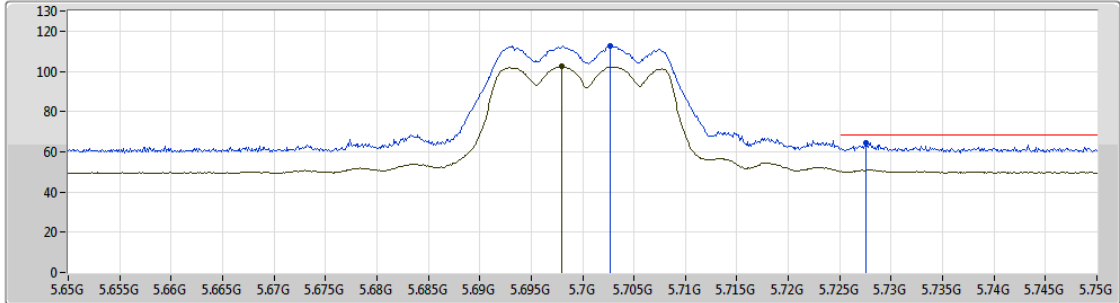
EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.15884G	57.19	74.00	-16.81	15.30	3	Horizontal	253	1.23	-
AV	11.1628G	43.67	54.00	-10.33	15.29	3	Horizontal	253	1.23	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5700MHz_TX



EUT_Z_2TX
Setting 18.5
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7027G	112.65	Inf	-Inf	9.33	3	Vertical	294	1.50	-
AV	5.698G	102.33	Inf	-Inf	9.32	3	Vertical	294	1.50	-
PK	5.7275G	64.58	68.20	-3.62	9.35	3	Vertical	294	1.50	-



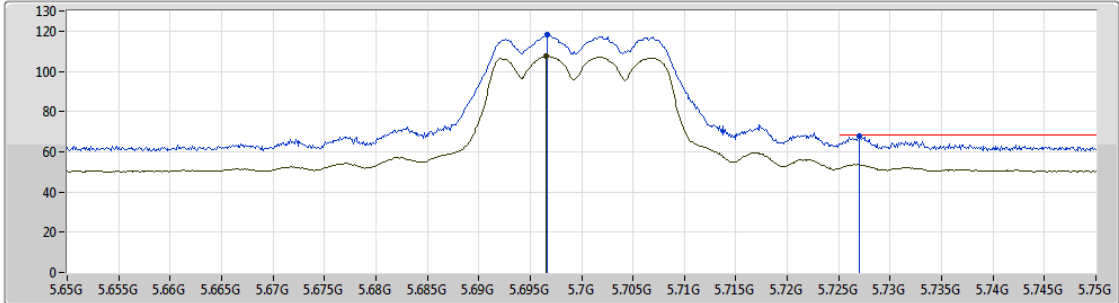
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5700MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 18.5
 04-W-3-10
 FSP(100304)

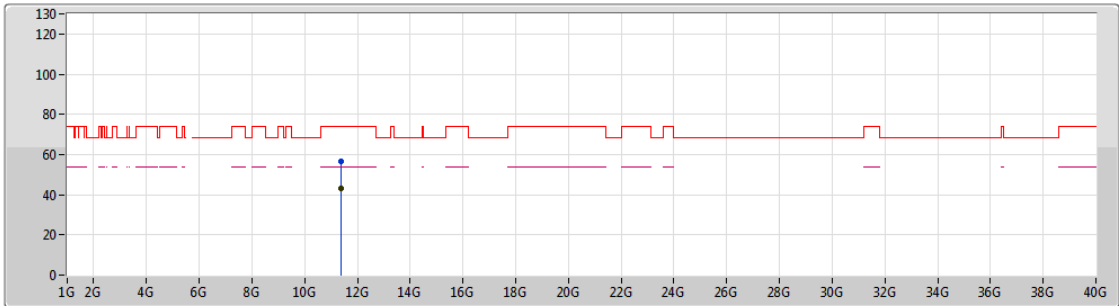
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6967G	118.11	Inf	-Inf	9.32	3	Horizontal	280	1.02	-
AV	5.6966G	107.53	Inf	-Inf	9.32	3	Horizontal	280	1.02	-
PK	5.727G	67.73	68.20	-0.47	9.34	3	Horizontal	280	1.02	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5700MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 18.5
 04-W-3
 FSP(100304)

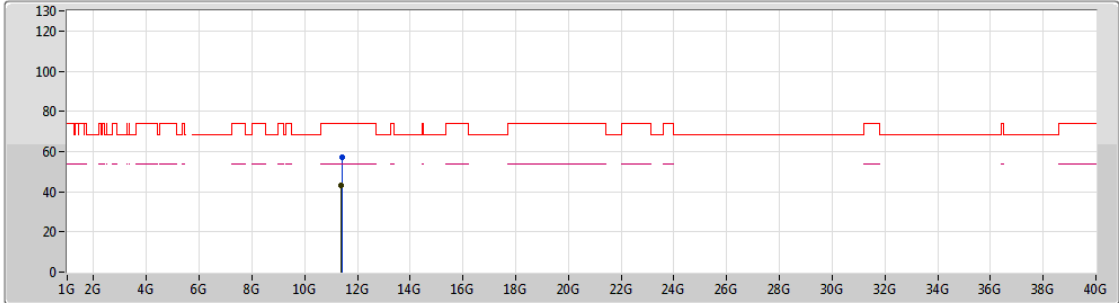
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.39719G	56.68	74.00	-17.32	15.23	3	Vertical	57	1.77	-
AV	11.39992G	43.28	54.00	-10.72	15.23	3	Vertical	57	1.77	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5700MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

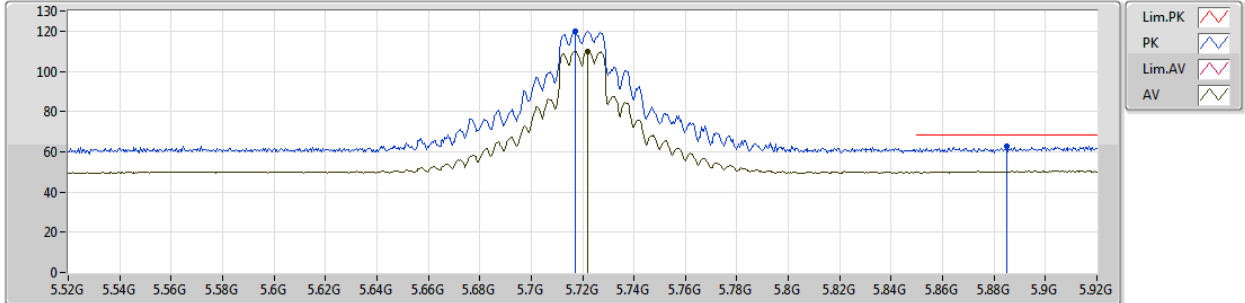
EUT_Z_2TX
 Setting 18.5
 04-W-3
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.40352G	57.34	74.00	-16.66	15.23	3	Horizontal	197	1.21	-
AV	11.39505G	43.38	54.00	-10.62	15.24	3	Horizontal	197	1.21	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7172G	120.05	Inf	-Inf	9.33	3	Vertical	288	1.50	-
AV	5.722G	110.06	Inf	-Inf	9.34	3	Vertical	288	1.50	-
PK	5.8848G	62.69	68.20	-5.51	9.94	3	Vertical	288	1.50	-

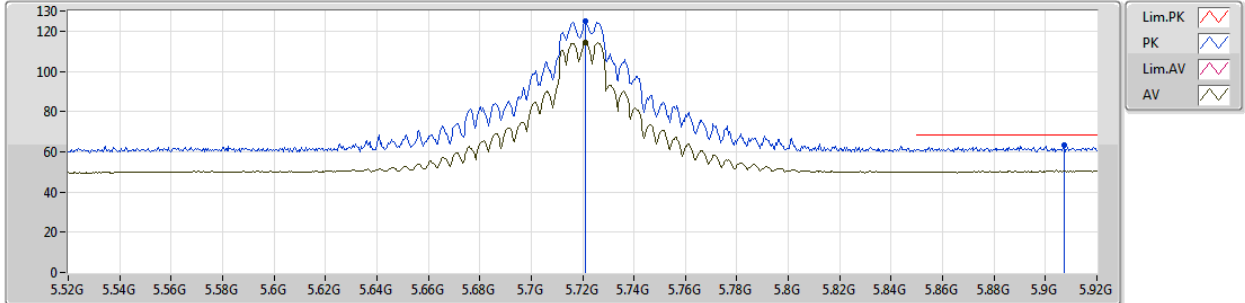


RSE TX above 1GHz Result

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

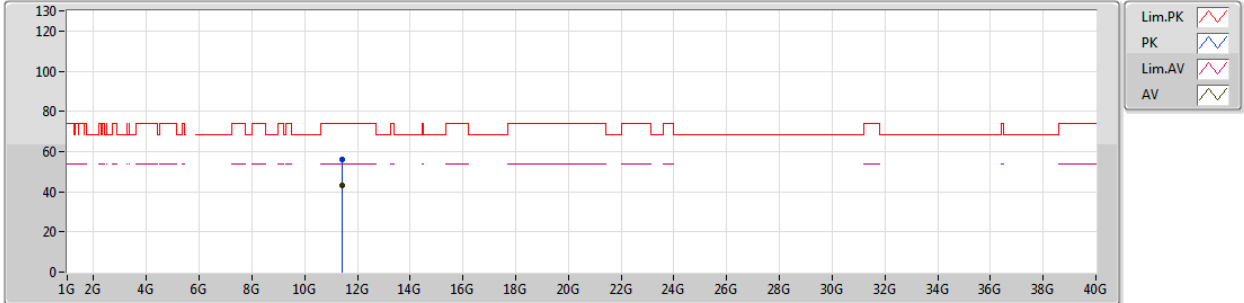
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7212G	124.80	Inf	-Inf	9.34	3	Horizontal	281	1.01	-
AV	5.7212G	114.53	Inf	-Inf	9.34	3	Horizontal	281	1.01	-
PK	5.9072G	63.05	68.20	-5.15	10.09	3	Horizontal	281	1.01	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

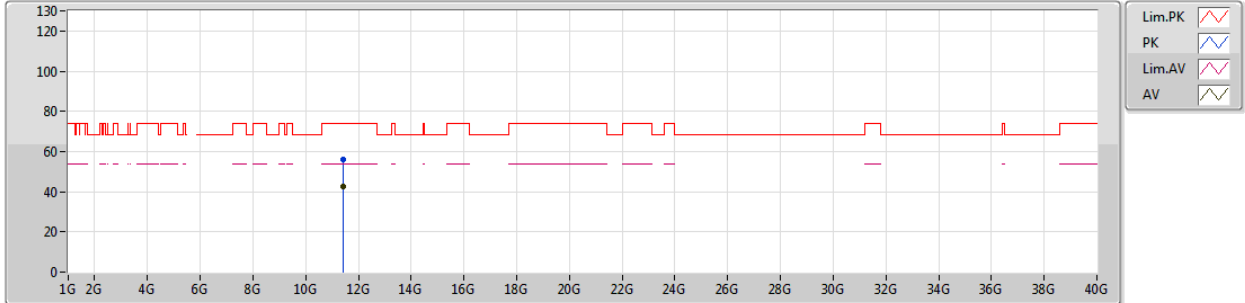
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.44141G	55.92	74.00	-18.08	15.22	3	Vertical	44	1.30	-
AV	11.43812G	42.91	54.00	-11.09	15.22	3	Vertical	44	1.30	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



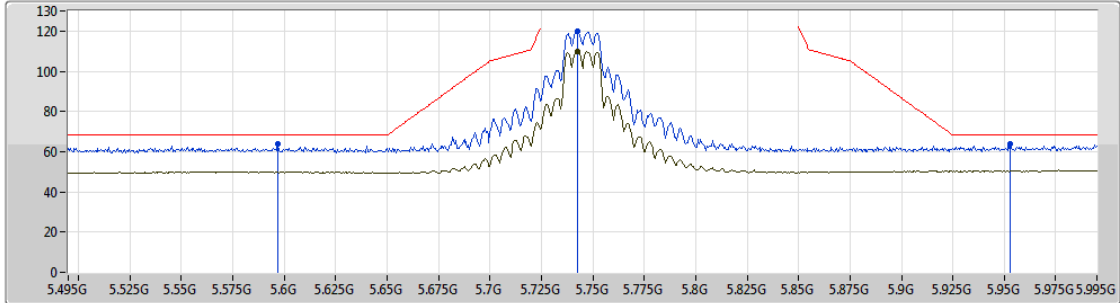
EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.43997G	56.13	74.00	-17.87	15.22	3	Horizontal	218	1.75	-
AV	11.44346G	42.84	54.00	-11.16	15.22	3	Horizontal	218	1.75	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5745MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.597G	63.67	68.20	-4.53	9.31	3	Vertical	293	1.50	-
PK	5.7425G	119.86	Inf	-Inf	9.36	3	Vertical	293	1.50	-
AV	5.7425G	109.79	Inf	-Inf	9.36	3	Vertical	293	1.50	-
PK	5.953G	63.65	68.20	-4.55	10.37	3	Vertical	293	1.50	-



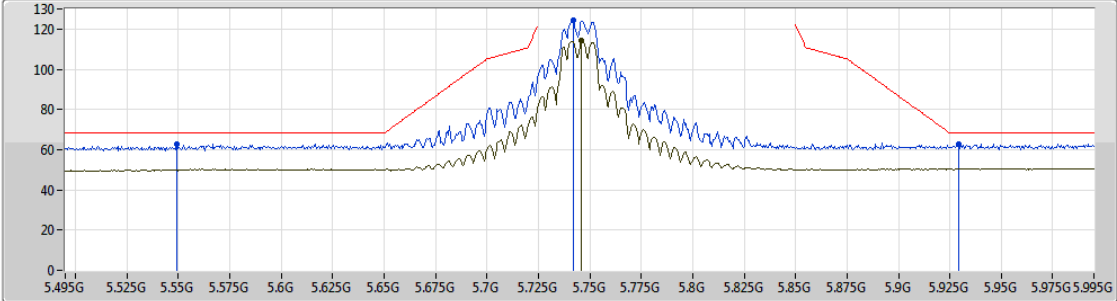
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5745MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

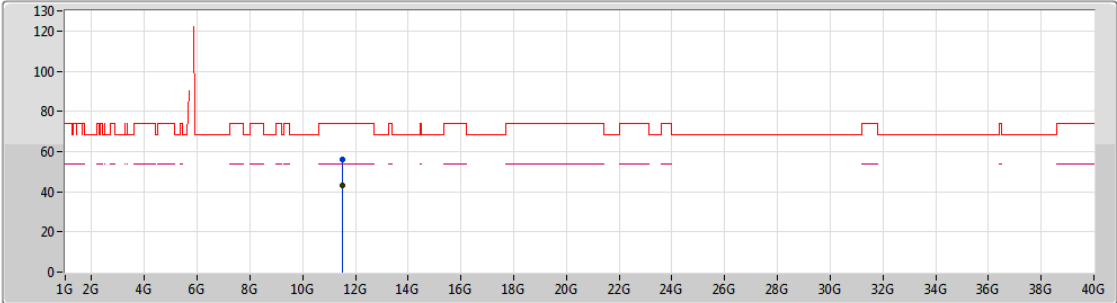
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.549G	62.92	68.20	-5.28	9.25	3	Horizontal	282	1.01	-
PK	5.742G	124.40	Inf	-Inf	9.35	3	Horizontal	282	1.01	-
AV	5.746G	114.24	Inf	-Inf	9.36	3	Horizontal	282	1.01	-
PK	5.9295G	62.73	68.20	-5.47	10.23	3	Horizontal	282	1.01	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5745MHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

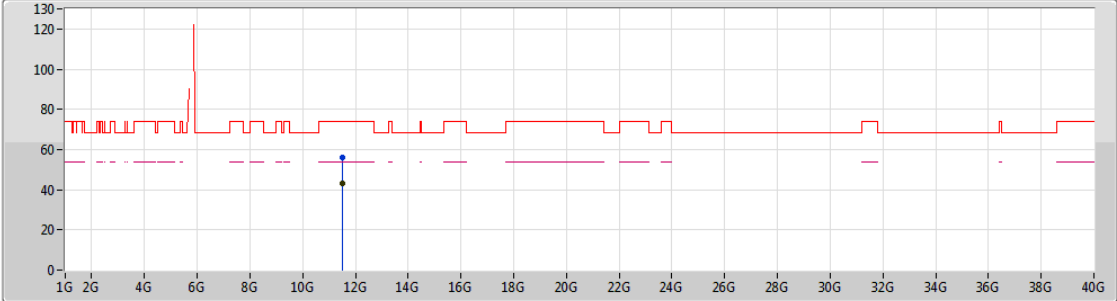
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.49049G	56.09	74.00	-17.91	15.20	3	Vertical	217	1.39	-
AV	11.48892G	42.94	54.00	-11.06	15.20	3	Vertical	217	1.39	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5745MHz_TX



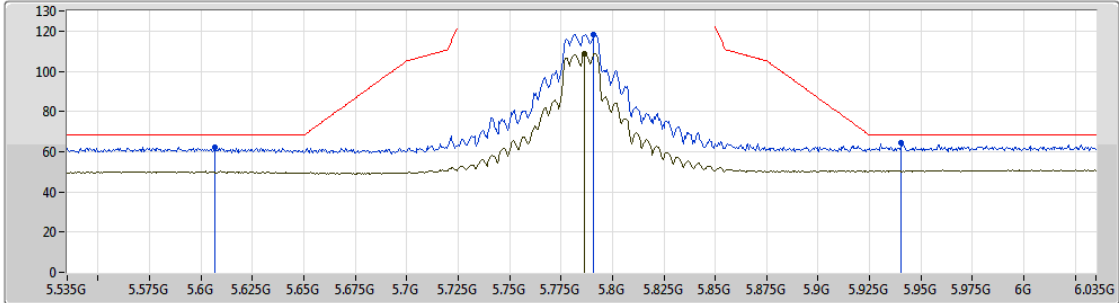
EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.4932G	55.83	74.00	-18.17	15.20	3	Horizontal	335	2.10	-
AV	11.48867G	43.08	54.00	-10.92	15.20	3	Horizontal	335	2.10	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5785MHz_TX



Lim.PK 
 PK 
 Lim_AV 
 AV 

EUT_Z_2TX
 Setting 28
 04-W-3-10
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6065G	62.18	68.20	-6.02	9.32	3	Vertical	278	1.50	-
PK	5.791G	118.34	Inf	-Inf	9.40	3	Vertical	278	1.50	-
AV	5.7865G	108.58	Inf	-Inf	9.39	3	Vertical	278	1.50	-
PK	5.9405G	64.32	68.20	-3.88	10.29	3	Vertical	278	1.50	-

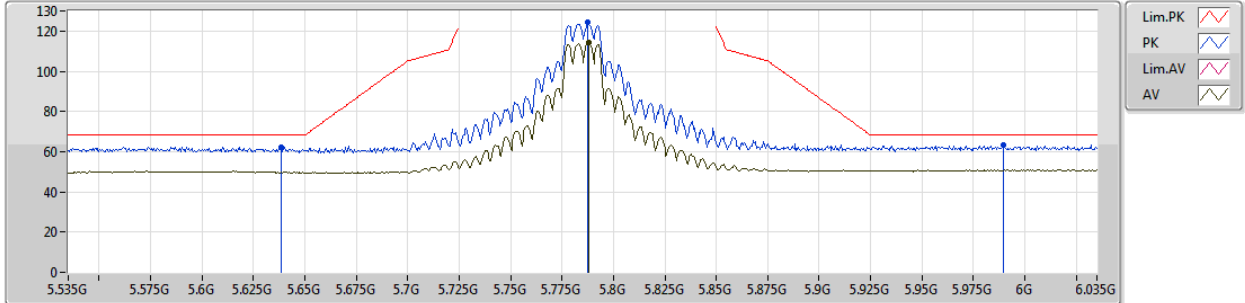


RSE TX above 1GHz Result

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5785MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

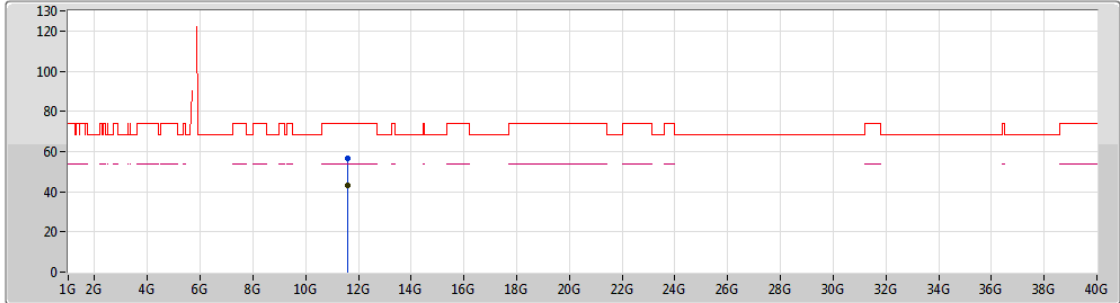
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6385G	62.26	68.20	-5.94	9.32	3	Horizontal	291	2.25	-
PK	5.7875G	124.13	Inf	-Inf	9.39	3	Horizontal	291	2.25	-
AV	5.788G	114.15	Inf	-Inf	9.40	3	Horizontal	291	2.25	-
PK	5.9895G	63.59	68.20	-4.61	10.61	3	Horizontal	291	2.25	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5785MHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

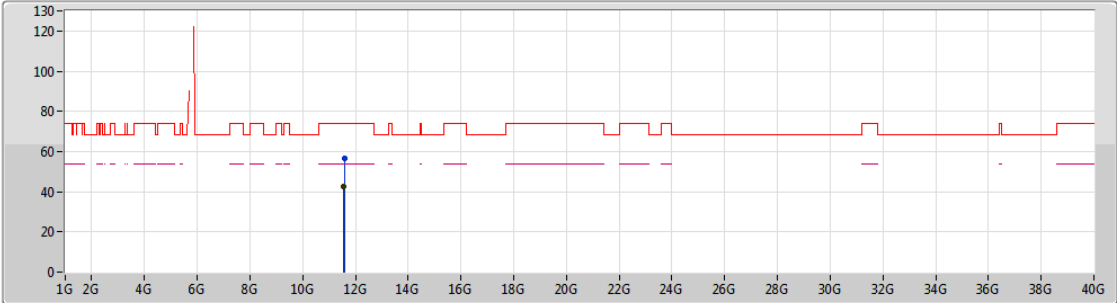
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.57375G	56.67	74.00	-17.33	15.18	3	Vertical	48	1.92	-
AV	11.57386G	42.99	54.00	-11.01	15.18	3	Vertical	48	1.92	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5785MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.574677G	56.43	74.00	-17.57	15.18	3	Horizontal	6	1.90	-
AV	11.568777G	42.86	54.00	-11.14	15.19	3	Horizontal	6	1.90	-



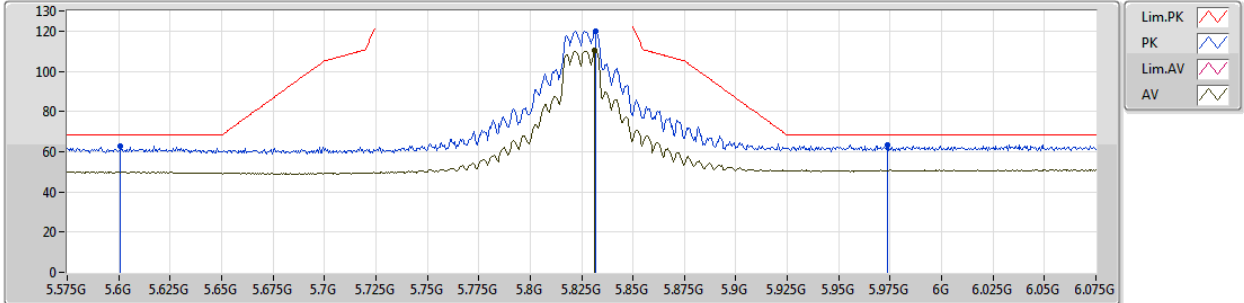
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5825MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.601G	62.76	68.20	-5.44	9.32	3	Vertical	284	1.50	-
PK	5.832G	120.10	Inf	-Inf	9.61	3	Vertical	284	1.50	-
AV	5.8315G	110.16	Inf	-Inf	9.61	3	Vertical	284	1.50	-
PK	5.9735G	63.16	68.20	-5.04	10.51	3	Vertical	284	1.50	-

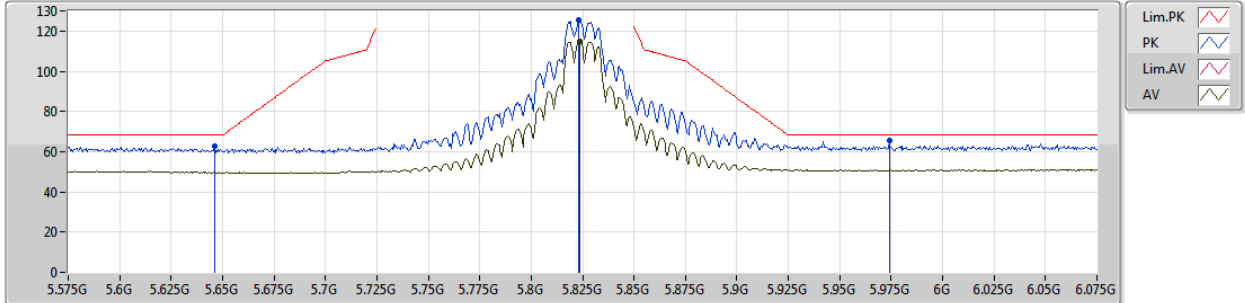


RSE TX above 1GHz Result

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5825MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

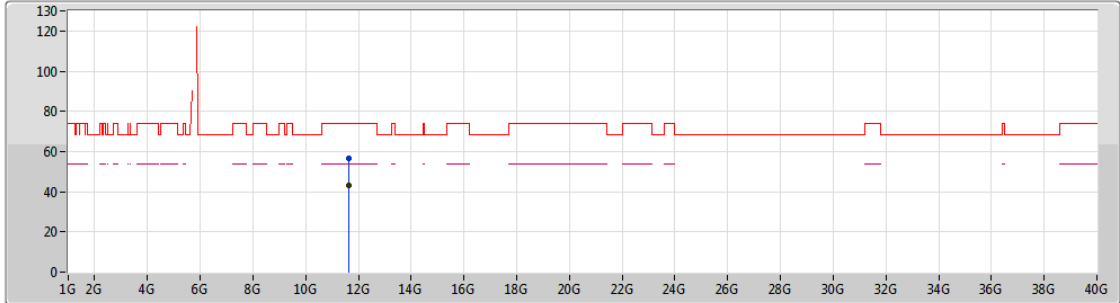
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.646G	62.51	68.20	-5.69	9.32	3	Horizontal	296	2.31	-
PK	5.823G	125.30	Inf	-Inf	9.56	3	Horizontal	296	2.31	-
AV	5.8235G	114.71	Inf	-Inf	9.56	3	Horizontal	296	2.31	-
PK	5.974G	65.44	68.20	-2.76	10.51	3	Horizontal	296	2.31	-



802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5825MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

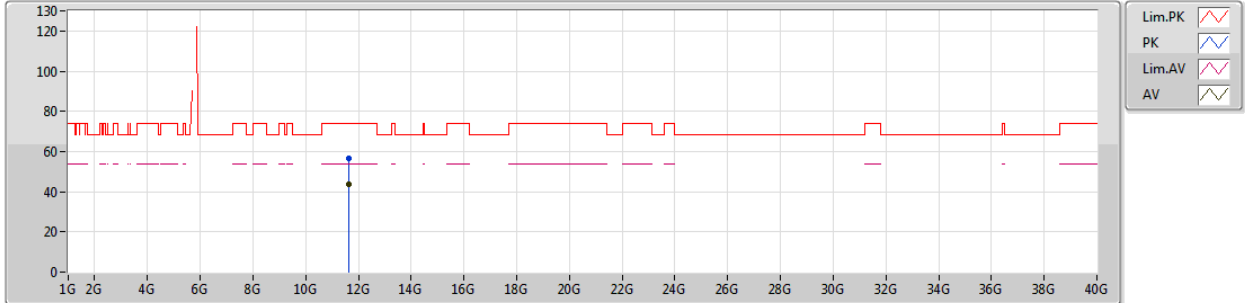
EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.64608G	56.61	74.00	-17.39	15.16	3	Vertical	13	1.16	-
AV	11.64733G	43.42	54.00	-10.58	15.16	3	Vertical	13	1.16	-

802.11a_Nss1,(6Mbps)_2TX

27/03/2019

5825MHz_TX



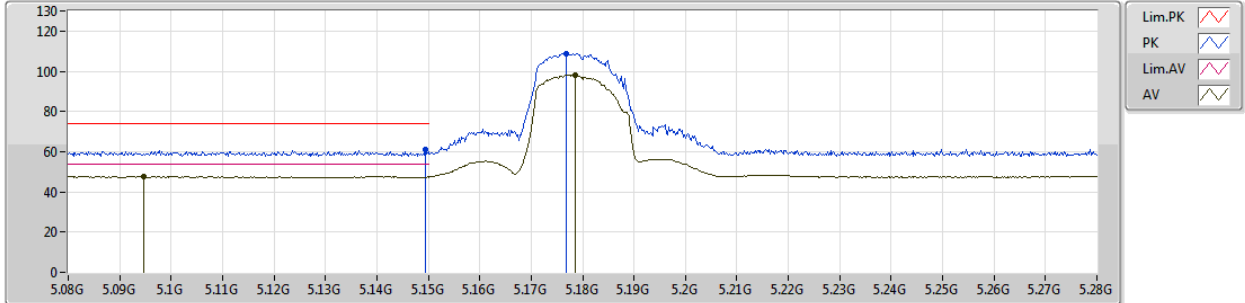
EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.655G	56.68	74.00	-17.32	15.17	3	Horizontal	226	1.59	-
AV	11.65035G	43.48	54.00	-10.52	15.17	3	Horizontal	226	1.59	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5180MHz_TX



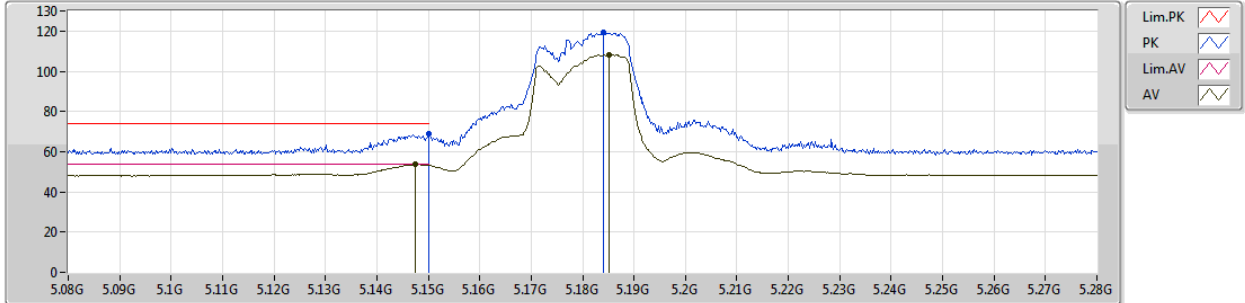
EUT_Z_2TX
Setting 21
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1494G	61.15	74.00	-12.85	7.85	3	Vertical	337	2.59	-
AV	5.0946G	47.56	54.00	-6.44	7.80	3	Vertical	337	2.59	-
PK	5.1768G	108.96	Inf	-Inf	7.90	3	Vertical	337	2.59	-
AV	5.1786G	98.26	Inf	-Inf	7.90	3	Vertical	337	2.59	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5180MHz_TX



EUT_Z_2TX
Setting 21
04-W-3-10
FSP(100304)

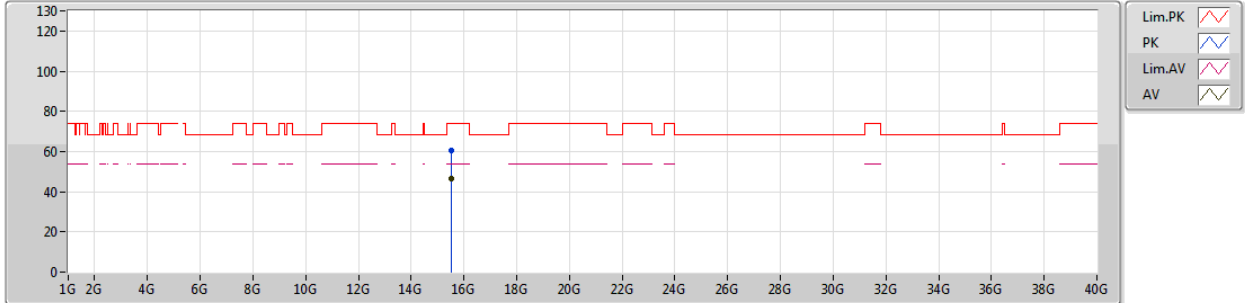
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.15G	68.80	74.00	-5.20	7.85	3	Horizontal	276	1.01	-
AV	5.1474G	53.64	54.00	-0.36	7.85	3	Horizontal	276	1.01	-
PK	5.184G	119.26	Inf	-Inf	7.91	3	Horizontal	276	1.01	-
AV	5.1852G	108.39	Inf	-Inf	7.92	3	Horizontal	276	1.01	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5180MHz_TX



EUT_Z_2TX
Setting 21
04-W-3
FSP(100304)

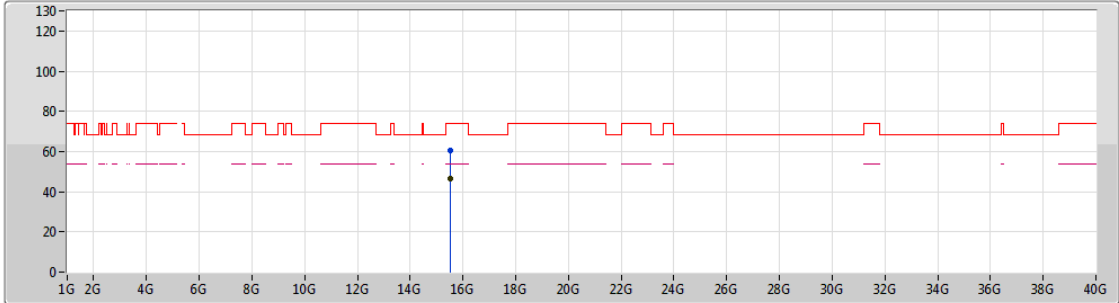
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.53696G	60.33	74.00	-13.67	16.02	3	Vertical	2	1.85	-
AV	15.54208G	46.74	54.00	-7.26	16.02	3	Vertical	2	1.85	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5180MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

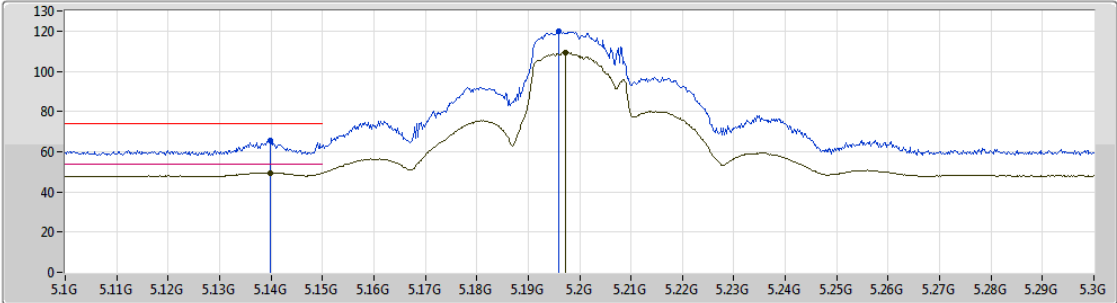
EUT_Z_2TX
 Setting 21
 04-W-3
 FSP(100304)



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.54166G	60.59	74.00	-13.41	16.02	3	Horizontal	213	1.93	-
AV	15.54262G	46.71	54.00	-7.29	16.02	3	Horizontal	213	1.93	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5200MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

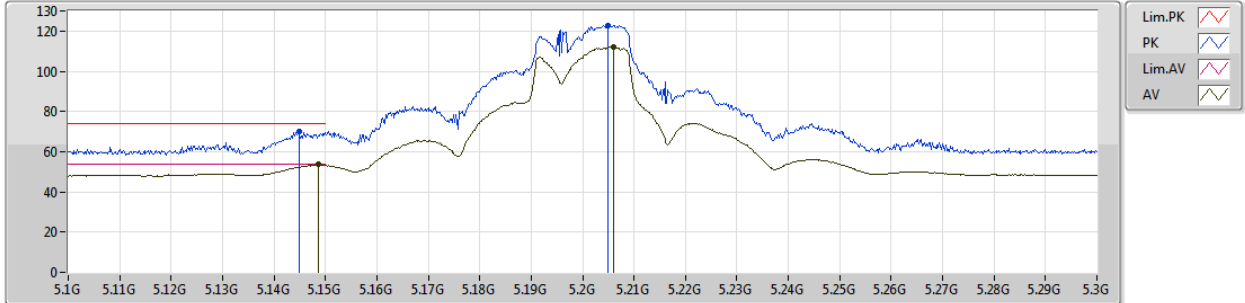
EUT_Z_2TX
 Setting 25.5
 04-W-3-10
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1398G	65.46	74.00	-8.54	7.84	3	Vertical	309	1.01	-
AV	5.1398G	49.51	54.00	-4.49	7.84	3	Vertical	309	1.01	-
PK	5.196G	119.81	Inf	-Inf	7.93	3	Vertical	309	1.01	-
AV	5.1972G	109.28	Inf	-Inf	7.93	3	Vertical	309	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5200MHz_TX



EUT_Z_2TX
Setting 25.5
04-W-3-10
FSP(100304)

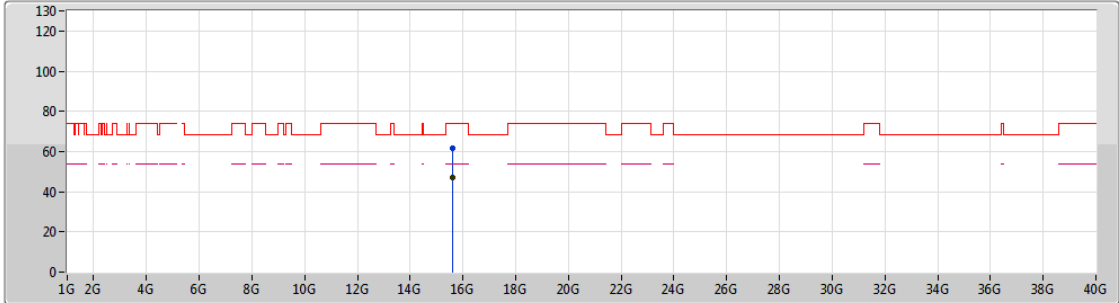
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1448G	70.00	74.00	-4.00	7.84	3	Horizontal	284	1.01	-
AV	5.1486G	53.64	54.00	-0.36	7.85	3	Horizontal	284	1.01	-
PK	5.205G	122.89	Inf	-Inf	7.95	3	Horizontal	284	1.01	-
AV	5.206G	112.04	Inf	-Inf	7.95	3	Horizontal	284	1.01	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5200MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 25.5
 04-W-3
 FSP(100304)

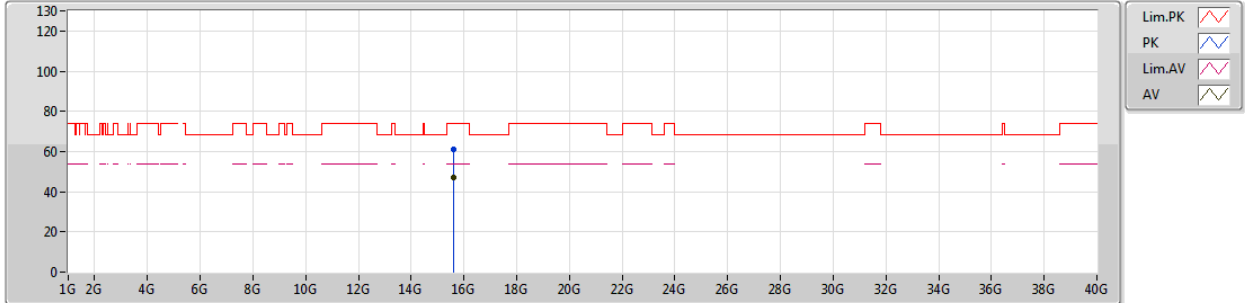
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.60285G	61.90	74.00	-12.10	15.98	3	Vertical	171	2.50	-
AV	15.60259G	47.05	54.00	-6.95	15.98	3	Vertical	171	2.50	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5200MHz_TX



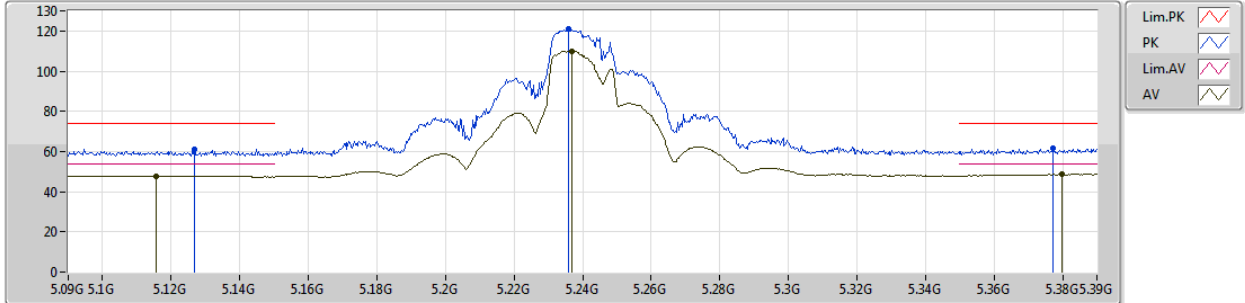
EUT_Z_2TX
Setting 25.5
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.59996G	61.14	74.00	-12.86	15.97	3	Horizontal	144	1.32	-
AV	15.60015G	47.09	54.00	-6.91	15.97	3	Horizontal	144	1.32	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5240MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

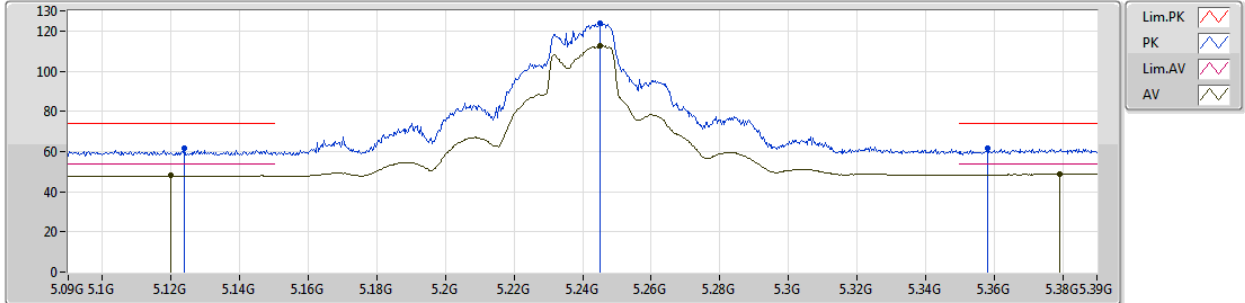
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1269G	61.16	74.00	-12.84	7.83	3	Vertical	330	2.99	-
AV	5.1155G	47.65	54.00	-6.35	7.81	3	Vertical	330	2.99	-
PK	5.2358G	120.86	Inf	-Inf	8.07	3	Vertical	330	2.99	-
AV	5.237G	110.02	Inf	-Inf	8.07	3	Vertical	330	2.99	-
PK	5.3771G	61.47	74.00	-12.53	8.68	3	Vertical	330	2.99	-
AV	5.3797G	48.65	54.00	-5.35	8.69	3	Vertical	330	2.99	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5240MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

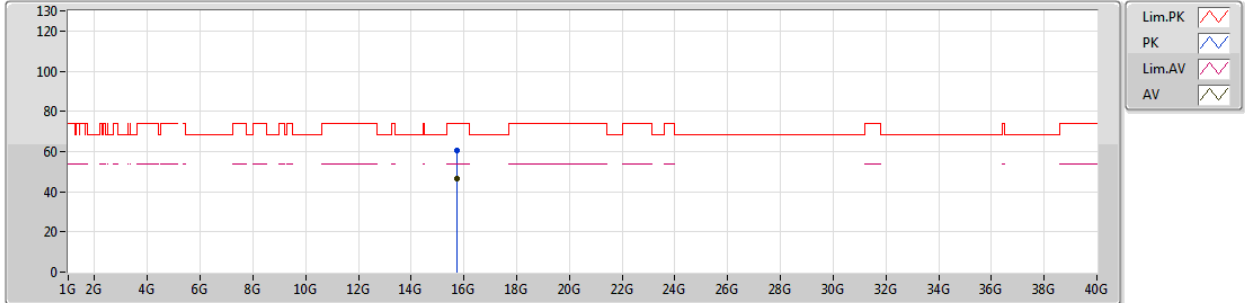
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1239G	61.76	74.00	-12.24	7.82	3	Horizontal	277	1.01	-
AV	5.12G	47.97	54.00	-6.03	7.82	3	Horizontal	277	1.01	-
PK	5.2451G	123.57	Inf	-Inf	8.11	3	Horizontal	277	1.01	-
AV	5.2451G	112.72	Inf	-Inf	8.11	3	Horizontal	277	1.01	-
PK	5.3582G	61.89	74.00	-12.11	8.59	3	Horizontal	277	1.01	-
AV	5.3791G	48.81	54.00	-5.19	8.69	3	Horizontal	277	1.01	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5240MHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

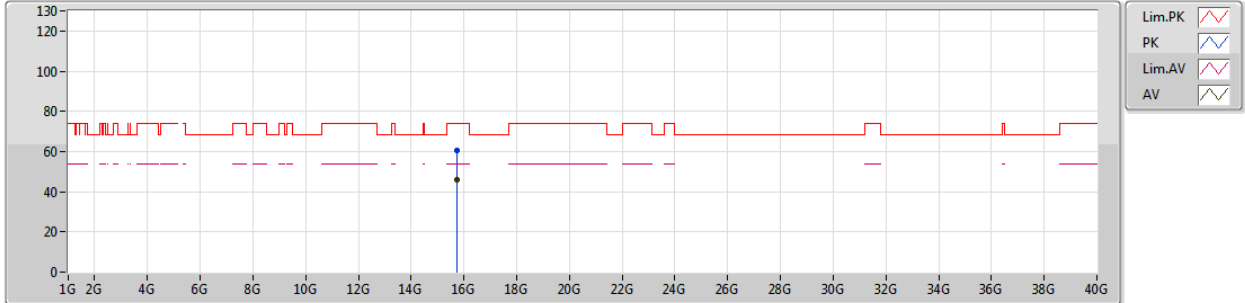
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.72226G	60.34	74.00	-13.66	15.91	3	Vertical	305	1.62	-
AV	15.71712G	46.27	54.00	-7.73	15.92	3	Vertical	305	1.62	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5240MHz_TX



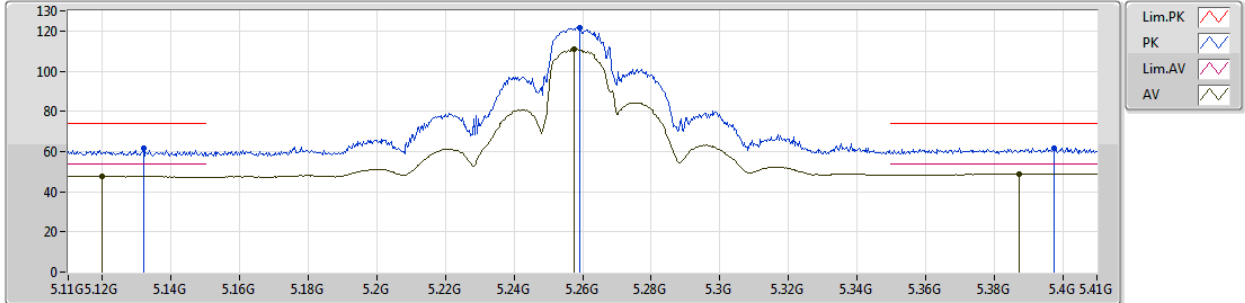
EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.71873G	60.70	74.00	-13.30	15.92	3	Horizontal	16	2.47	-
AV	15.72308G	46.20	54.00	-7.80	15.91	3	Horizontal	16	2.47	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5260MHz_TX



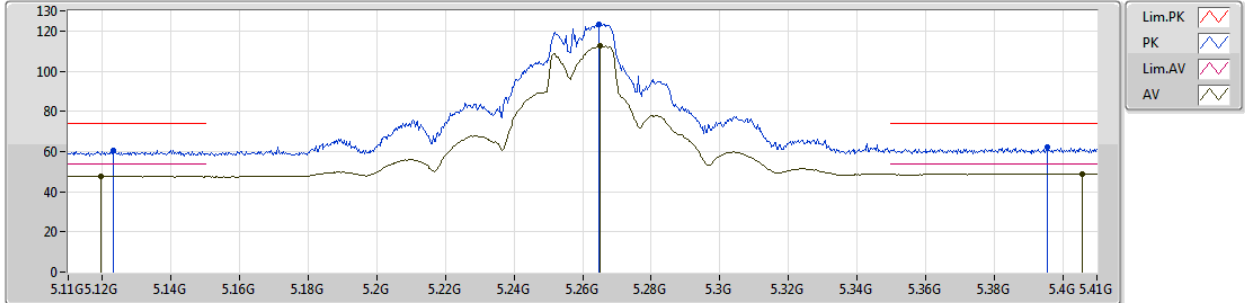
EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1319G	61.52	74.00	-12.48	7.83	3	Vertical	335	2.36	-
AV	5.1199G	47.66	54.00	-6.34	7.82	3	Vertical	335	2.36	-
PK	5.2591G	121.62	Inf	-Inf	8.16	3	Vertical	335	2.36	-
AV	5.2576G	111.12	Inf	-Inf	8.16	3	Vertical	335	2.36	-
PK	5.3974G	61.77	74.00	-12.23	8.78	3	Vertical	335	2.36	-
AV	5.3873G	48.88	54.00	-5.12	8.73	3	Vertical	335	2.36	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5260MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

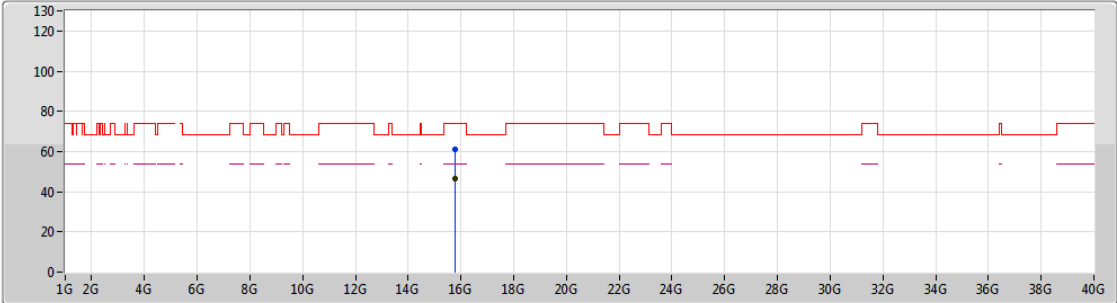
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1232G	60.67	74.00	-13.33	7.82	3	Horizontal	285	1.05	-
AV	5.1196G	47.76	54.00	-6.24	7.82	3	Horizontal	285	1.05	-
PK	5.2648G	123.46	Inf	-Inf	8.18	3	Horizontal	285	1.05	-
AV	5.2651G	112.58	Inf	-Inf	8.18	3	Horizontal	285	1.05	-
PK	5.3956G	62.14	74.00	-11.86	8.77	3	Horizontal	285	1.05	-
AV	5.4058G	48.99	54.00	-5.01	8.81	3	Horizontal	285	1.05	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5260MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

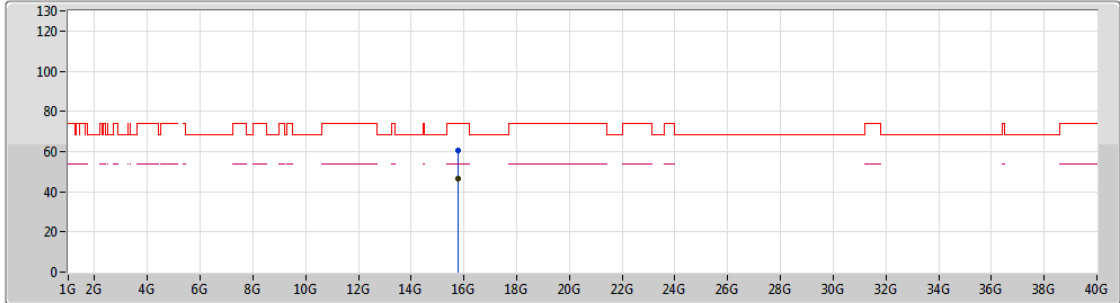
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.77519G	60.84	74.00	-13.16	15.88	3	Vertical	241	1.76	-
AV	15.77706G	46.62	54.00	-7.38	15.88	3	Vertical	241	1.76	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5260MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

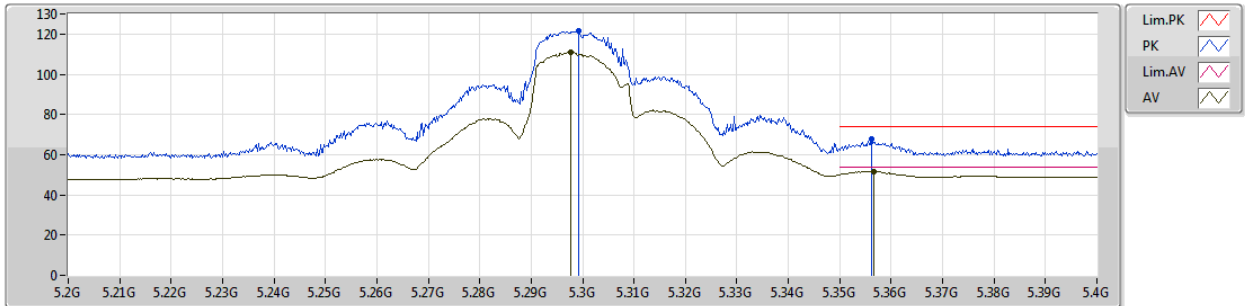
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.78024G	60.50	74.00	-13.50	15.88	3	Horizontal	149	2.49	-
AV	15.77707G	46.67	54.00	-7.33	15.88	3	Horizontal	149	2.49	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5300MHz_TX



EUT_Z_2TX
Setting 26
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2992G	121.57	Inf	-Inf	8.32	3	Vertical	333	2.45	-
AV	5.2976G	110.77	Inf	-Inf	8.32	3	Vertical	333	2.45	-
PK	5.3562G	67.67	74.00	-6.33	8.59	3	Vertical	333	2.45	-
AV	5.3566G	51.58	54.00	-2.42	8.59	3	Vertical	333	2.45	-



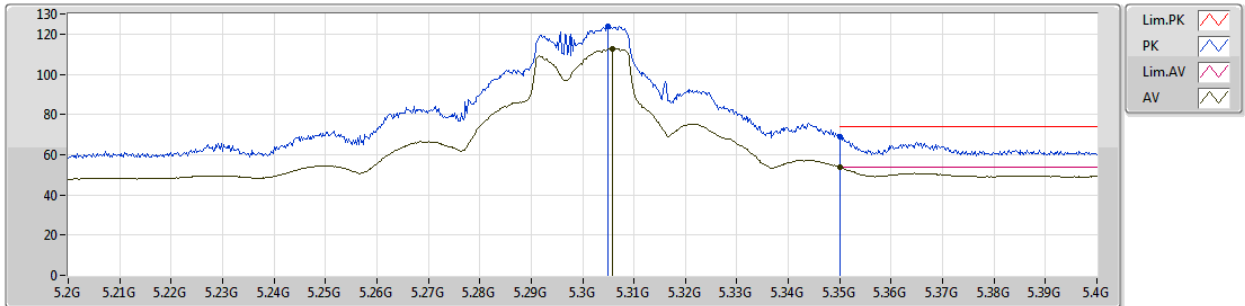
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5300MHz_TX



EUT_Z_2TX
Setting 26
04-W-3-10
FSP(100304)

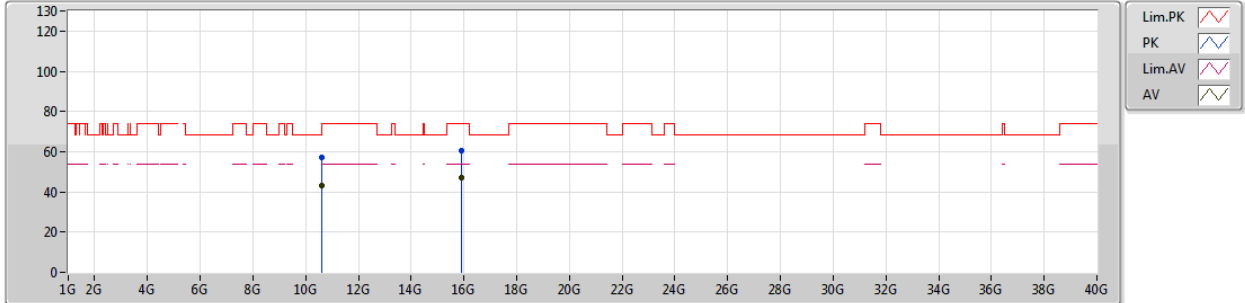
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.305G	123.65	Inf	-Inf	8.35	3	Horizontal	284	1.01	-
AV	5.3058G	112.66	Inf	-Inf	8.35	3	Horizontal	284	1.01	-
PK	5.35G	68.94	74.00	-5.06	8.56	3	Horizontal	284	1.01	-
AV	5.35G	53.71	54.00	-0.29	8.56	3	Horizontal	284	1.01	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5300MHz_TX



EUT_Z_2TX
Setting 26
04-W-3
FSP(100304)

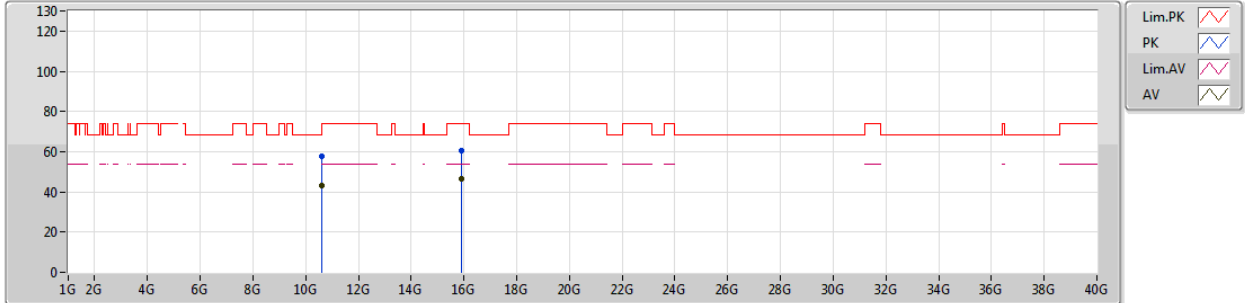
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60079G	56.94	74.00	-17.06	15.19	3	Vertical	140	1.68	-
AV	10.60178G	43.33	54.00	-10.67	15.19	3	Vertical	140	1.68	-
PK	15.9012G	60.64	74.00	-13.36	15.81	3	Vertical	108	2.30	-
AV	15.90497G	46.79	54.00	-7.21	15.81	3	Vertical	108	2.30	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5300MHz_TX



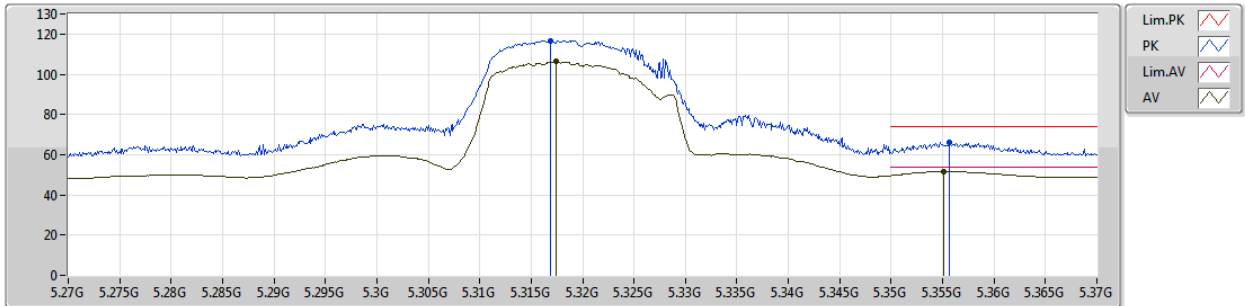
EUT_Z_2TX
Setting 26
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.6006G	57.57	74.00	-16.43	15.19	3	Horizontal	288	2.46	-
AV	10.60213G	43.34	54.00	-10.66	15.19	3	Horizontal	288	2.46	-
PK	15.90461G	60.63	74.00	-13.37	15.81	3	Horizontal	57	1.89	-
AV	15.89991G	46.75	54.00	-7.25	15.81	3	Horizontal	57	1.89	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5320MHz_TX



EUT_Z_2TX
Setting 21
04-W-3-10
FSP(100304)

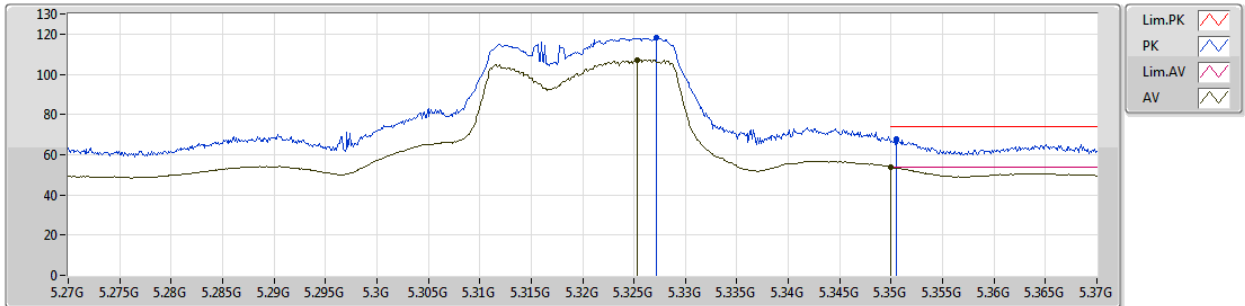
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3169G	116.77	Inf	-Inf	8.40	3	Vertical	333	2.46	-
AV	5.3174G	106.21	Inf	-Inf	8.40	3	Vertical	333	2.46	-
PK	5.3556G	66.20	74.00	-7.80	8.59	3	Vertical	333	2.46	-
AV	5.3551G	51.78	54.00	-2.22	8.59	3	Vertical	333	2.46	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5320MHz_TX



EUT_Z_2TX
Setting 21
04-W-3-10
FSP(100304)

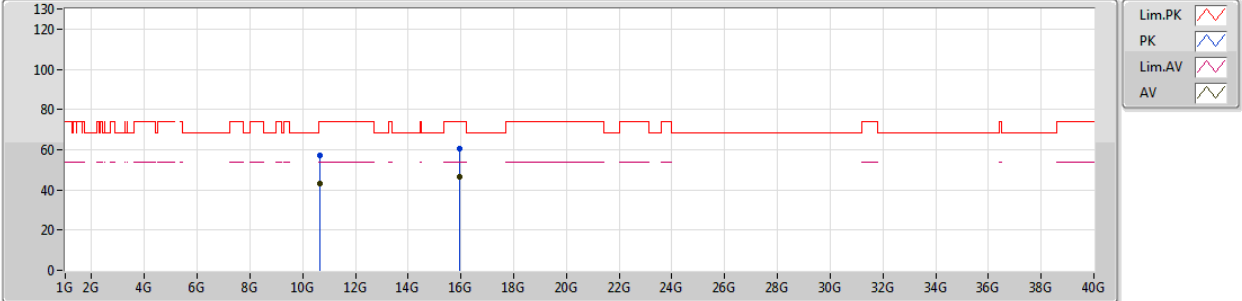
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3272G	118.01	Inf	-Inf	8.45	3	Horizontal	284	1.02	-
AV	5.3253G	107.29	Inf	-Inf	8.45	3	Horizontal	284	1.02	-
PK	5.3505G	67.99	74.00	-6.01	8.56	3	Horizontal	284	1.02	-
AV	5.35G	53.72	54.00	-0.28	8.56	3	Horizontal	284	1.02	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5320MHz_TX



EUT_Z_2TX
Setting 21
04-W-3
FSP(100304)

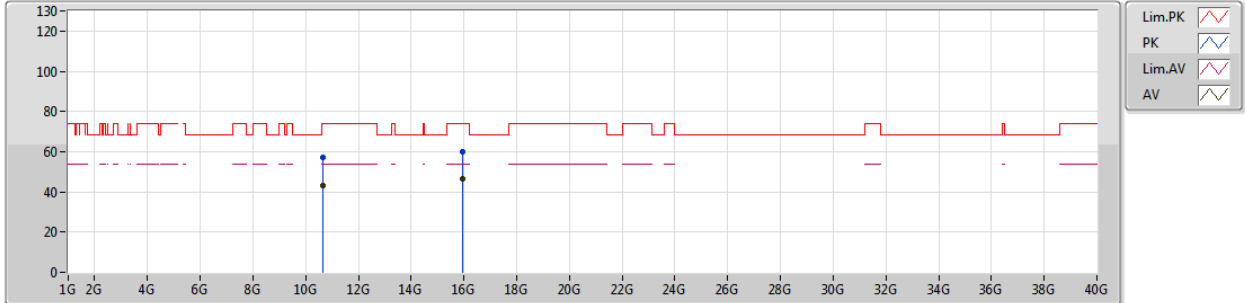
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.63544G	56.95	74.00	-17.05	15.21	3	Vertical	269	1.81	-
AV	10.63544G	43.13	54.00	-10.87	15.21	3	Vertical	269	1.81	-
PK	15.95629G	60.28	74.00	-13.72	15.77	3	Vertical	173	1.01	-
AV	15.95675G	46.39	54.00	-7.61	15.77	3	Vertical	173	1.01	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5320MHz_TX



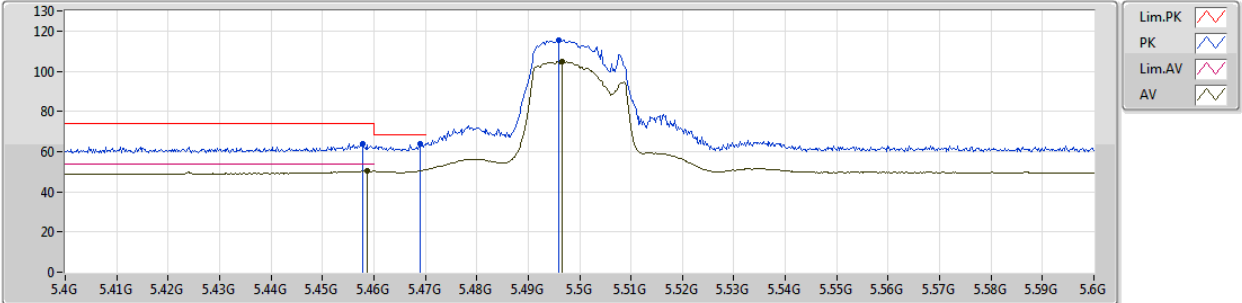
EUT_Z_2TX
Setting 21
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.63582G	57.14	74.00	-16.86	15.21	3	Horizontal	117	1.50	-
AV	10.63739G	43.09	54.00	-10.91	15.21	3	Horizontal	117	1.50	-
PK	15.96369G	60.15	74.00	-13.85	15.77	3	Horizontal	214	1.12	-
AV	15.95659G	46.40	54.00	-7.60	15.77	3	Horizontal	214	1.12	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5500MHz_TX



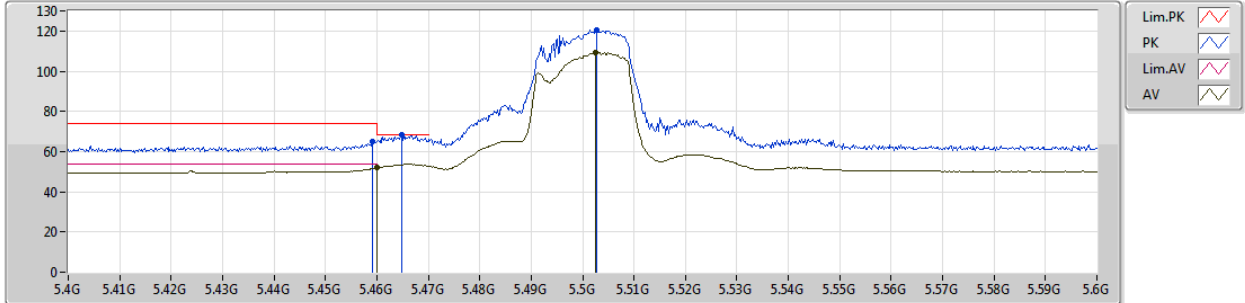
EUT_Z_2TX
Setting 20.5
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4578G	63.93	74.00	-10.07	9.01	3	Vertical	332	1.50	-
AV	5.4586G	50.32	54.00	-3.68	9.01	3	Vertical	332	1.50	-
PK	5.469G	63.98	68.20	-4.22	9.06	3	Vertical	332	1.50	-
PK	5.496G	115.52	Inf	-Inf	9.15	3	Vertical	332	1.50	-
AV	5.4966G	104.73	Inf	-Inf	9.16	3	Vertical	332	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5500MHz_TX



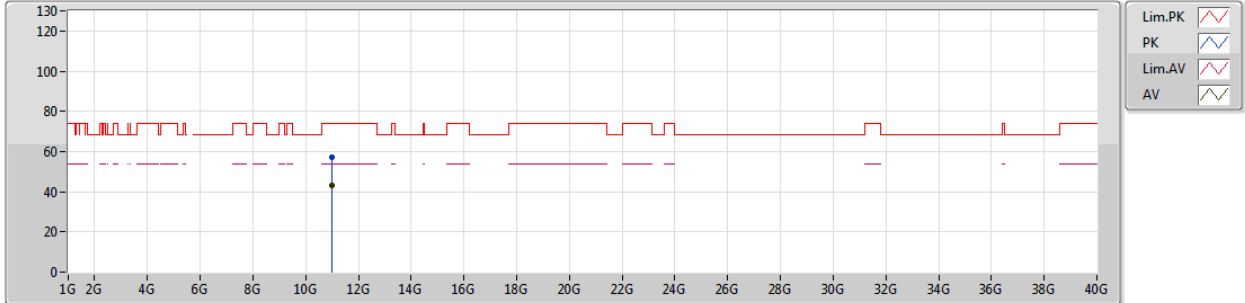
EUT_Z_2TX
Setting 20.5
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4592G	65.25	74.00	-8.75	9.02	3	Horizontal	272	1.01	-
AV	5.46G	51.92	54.00	-2.08	9.02	3	Horizontal	272	1.01	-
PK	5.4648G	68.15	68.20	-0.05	9.04	3	Horizontal	272	1.01	-
PK	5.5028G	120.24	Inf	-Inf	9.18	3	Horizontal	272	1.01	-
AV	5.5026G	109.30	Inf	-Inf	9.18	3	Horizontal	272	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5500MHz_TX



EUT_Z_2TX
Setting 20.5
04-W-3
FSP(100304)

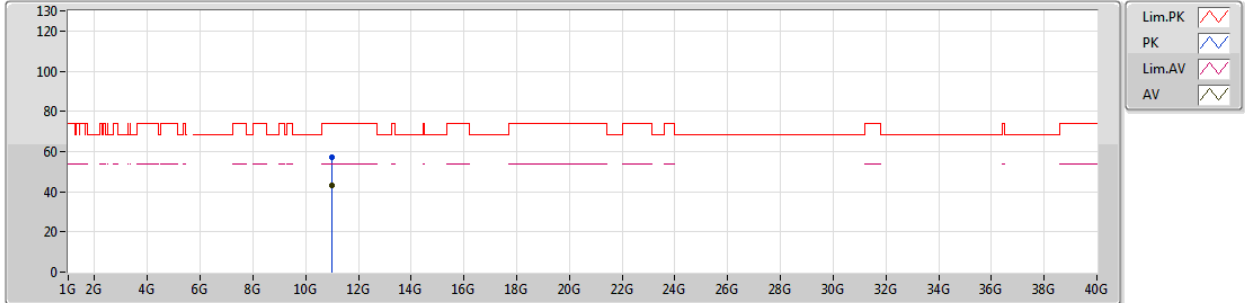
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.99574G	56.90	74.00	-17.10	15.34	3	Vertical	14	1.97	-
AV	11.00167G	42.94	54.00	-11.06	15.34	3	Vertical	14	1.97	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5500MHz_TX



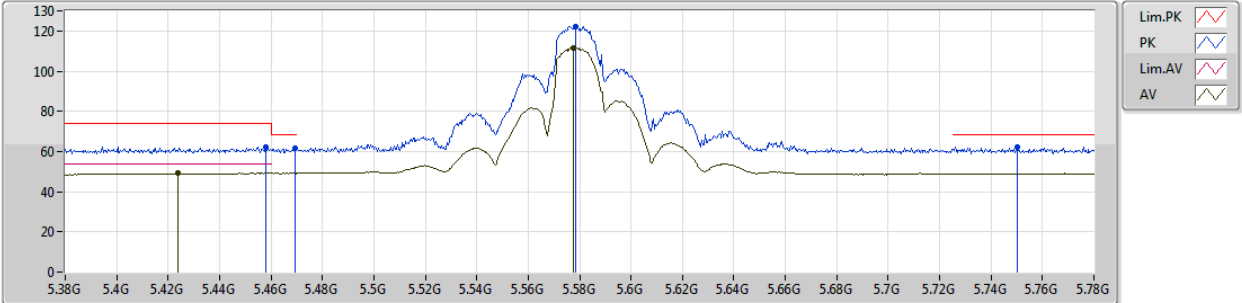
EUT_Z_2TX
Setting 20.5
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.00079G	56.93	74.00	-17.07	15.34	3	Horizontal	280	1.21	-
AV	11.00063G	42.92	54.00	-11.08	15.34	3	Horizontal	280	1.21	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5580MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.458G	62.41	74.00	-11.59	9.01	3	Vertical	331	2.48	-
AV	5.4236G	49.26	54.00	-4.74	8.88	3	Vertical	331	2.48	-
PK	5.4692G	61.64	68.20	-6.56	9.06	3	Vertical	331	2.48	-
PK	5.5784G	122.34	Inf	-Inf	9.29	3	Vertical	331	2.48	-
AV	5.5776G	111.78	Inf	-Inf	9.29	3	Vertical	331	2.48	-
PK	5.75G	62.36	68.20	-5.84	9.36	3	Vertical	331	2.48	-



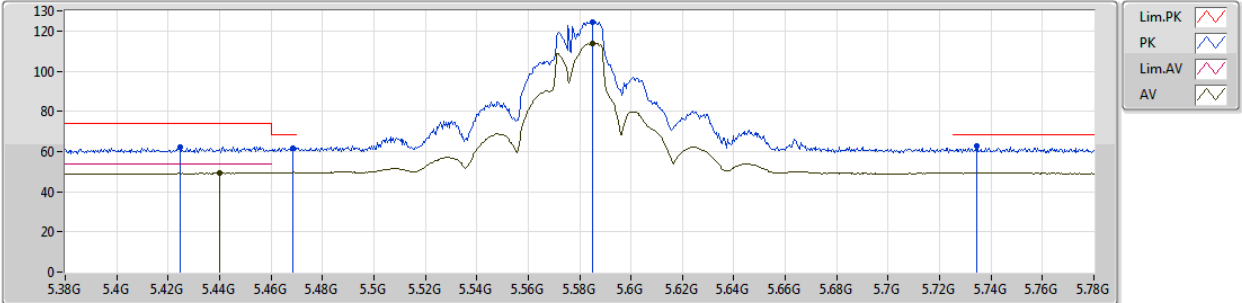
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5580MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

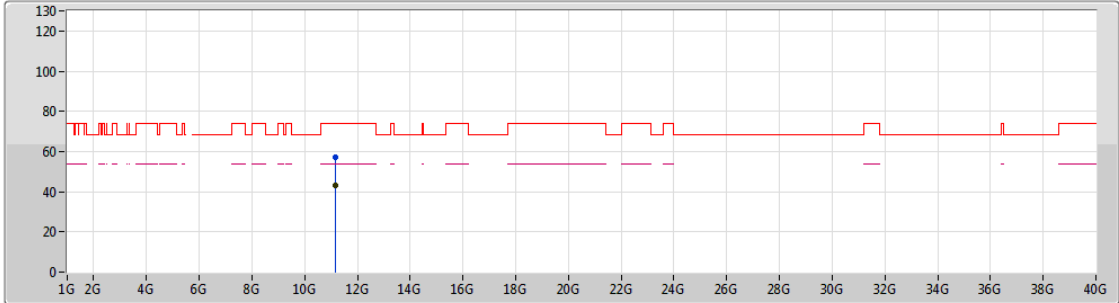
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4248G	62.28	74.00	-11.72	8.89	3	Horizontal	281	1.04	-
AV	5.44G	49.48	54.00	-4.52	8.94	3	Horizontal	281	1.04	-
PK	5.4684G	61.70	68.20	-6.50	9.05	3	Horizontal	281	1.04	-
PK	5.5852G	124.54	Inf	-Inf	9.30	3	Horizontal	281	1.04	-
AV	5.5852G	113.96	Inf	-Inf	9.30	3	Horizontal	281	1.04	-
PK	5.7344G	62.81	68.20	-5.39	9.35	3	Horizontal	281	1.04	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5580MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

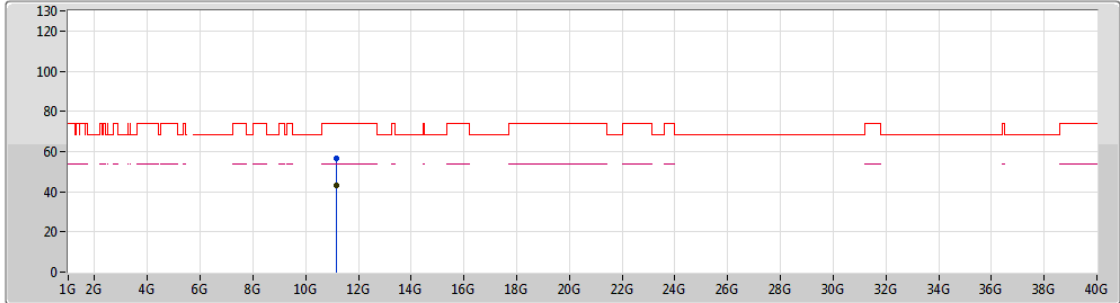
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.15972G	57.05	74.00	-16.95	15.31	3	Vertical	304	1.85	-
AV	11.15831G	42.91	54.00	-11.09	15.30	3	Vertical	304	1.85	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5580MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

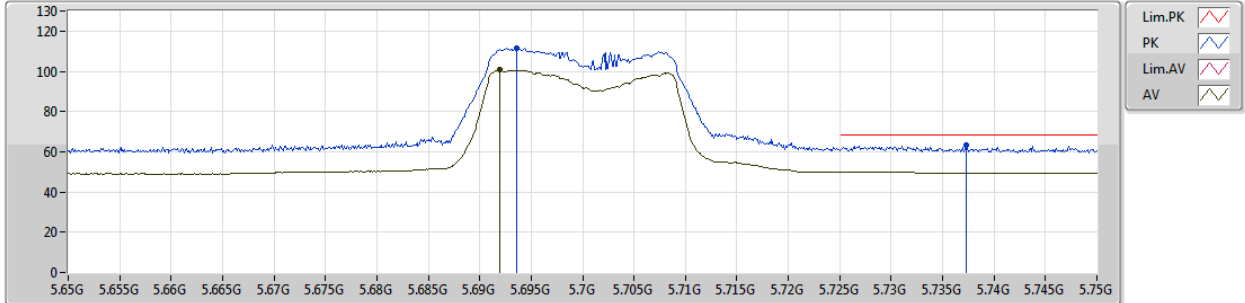
EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.16224G	56.65	74.00	-17.35	15.30	3	Horizontal	203	2.07	-
AV	11.15992G	42.89	54.00	-11.11	15.31	3	Horizontal	203	2.07	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5700MHz_TX



EUT_Z_2TX
Setting 18
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6936G	111.48	Inf	-Inf	9.32	3	Vertical	291	1.50	-
AV	5.692G	100.65	Inf	-Inf	9.32	3	Vertical	291	1.50	-
PK	5.7373G	63.13	68.20	-5.07	9.35	3	Vertical	291	1.50	-



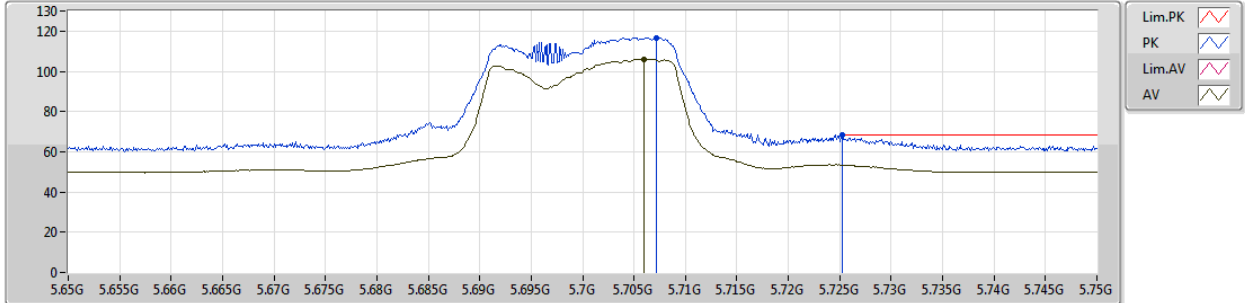
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5700MHz_TX



EUT_Z_2TX
Setting 18
04-W-3-10
FSP(100304)

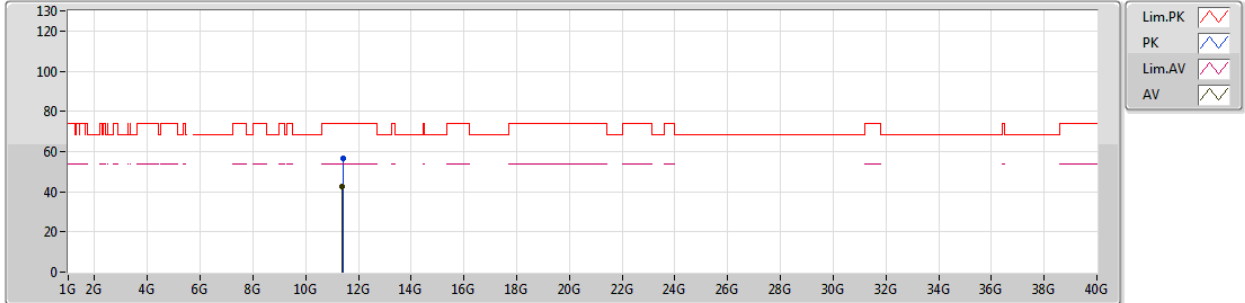
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7072G	116.78	Inf	-Inf	9.32	3	Horizontal	278	1.00	-
AV	5.706G	105.98	Inf	-Inf	9.32	3	Horizontal	278	1.00	-
PK	5.7253G	68.18	68.20	-0.02	9.34	3	Horizontal	278	1.00	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5700MHz_TX



EUT_Z_2TX
Setting 18
04-W-3
FSP(100304)

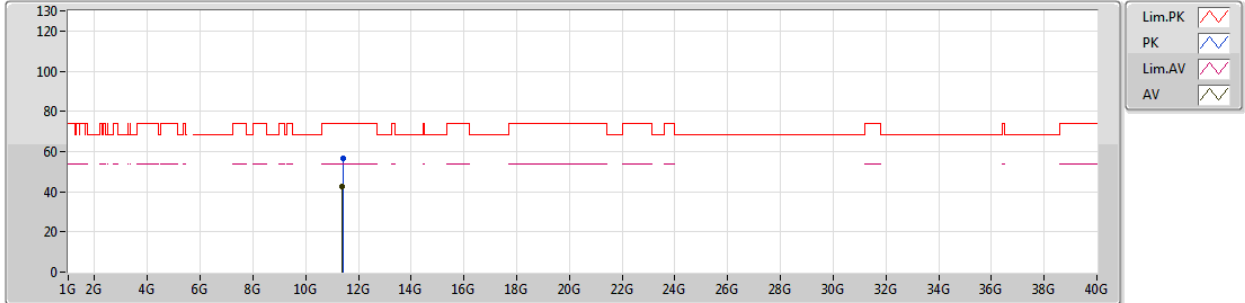
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.40421G	56.74	74.00	-17.26	15.23	3	Vertical	270	2.34	-
AV	11.39574G	42.74	54.00	-11.26	15.24	3	Vertical	270	2.34	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5700MHz_TX



EUT_Z_2TX
Setting 18
04-W-3
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.40352G	56.81	74.00	-17.19	15.23	3	Horizontal	143	1.26	-
AV	11.39869G	42.77	54.00	-11.23	15.23	3	Horizontal	143	1.26	-



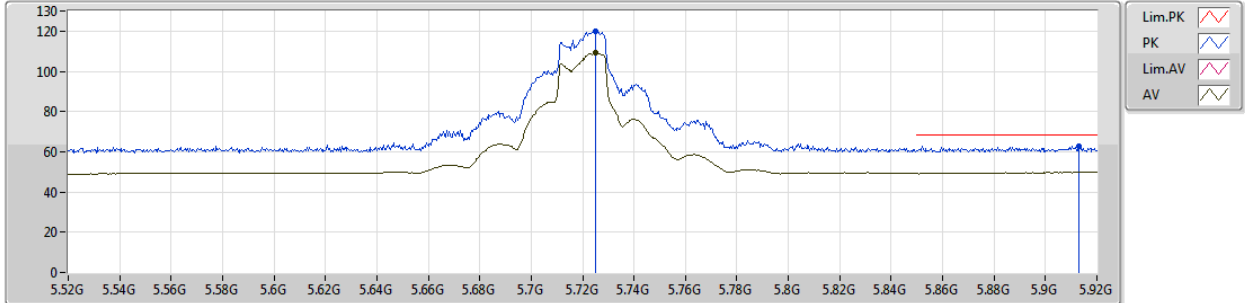
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7252G	119.87	Inf	-Inf	9.34	3	Vertical	272	1.50	-
AV	5.7252G	109.17	Inf	-Inf	9.34	3	Vertical	272	1.50	-
PK	5.9128G	62.97	68.20	-5.23	10.12	3	Vertical	272	1.50	-

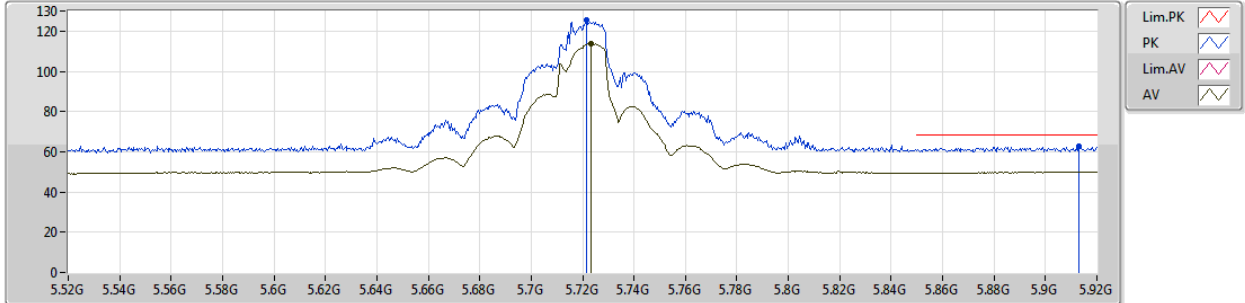


RSE TX above 1GHz Result

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

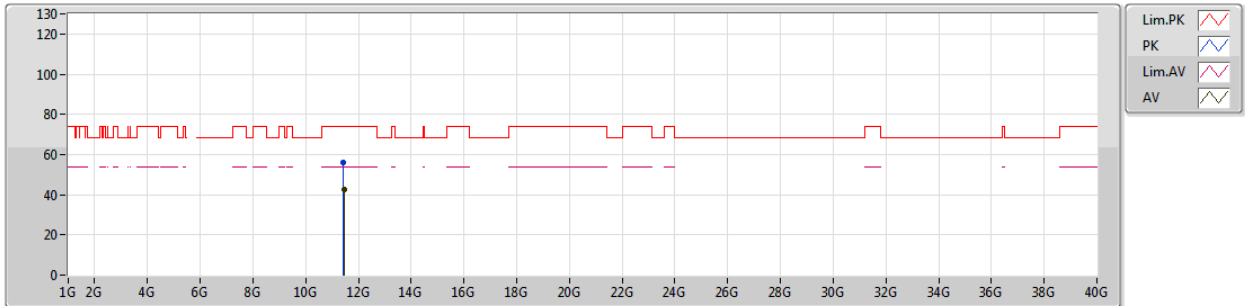
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7216G	125.31	Inf	-Inf	9.34	3	Horizontal	272	1.01	-
AV	5.7232G	113.88	Inf	-Inf	9.34	3	Horizontal	272	1.01	-
PK	5.9128G	62.78	68.20	-5.42	10.12	3	Horizontal	272	1.01	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

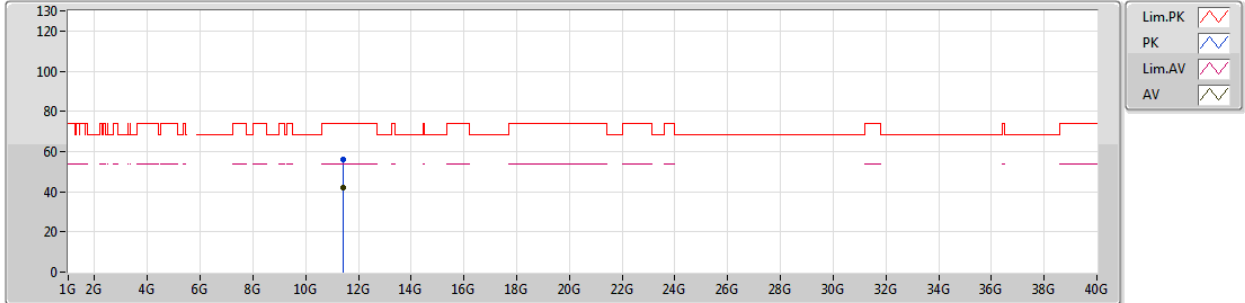
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.4425G	56.14	74.00	-17.86	15.22	3	Vertical	277	1.27	-
AV	11.44434G	42.31	54.00	-11.69	15.22	3	Vertical	277	1.27	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

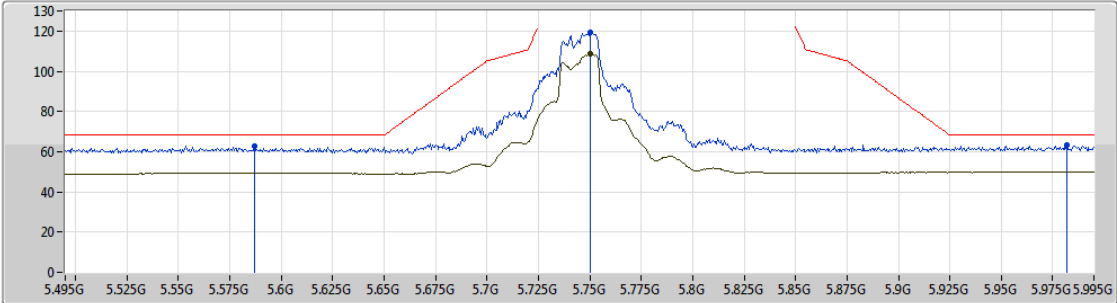
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.43643G	56.15	74.00	-17.85	15.23	3	Horizontal	86	1.23	-
AV	11.44346G	42.27	54.00	-11.73	15.22	3	Horizontal	86	1.23	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5745MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

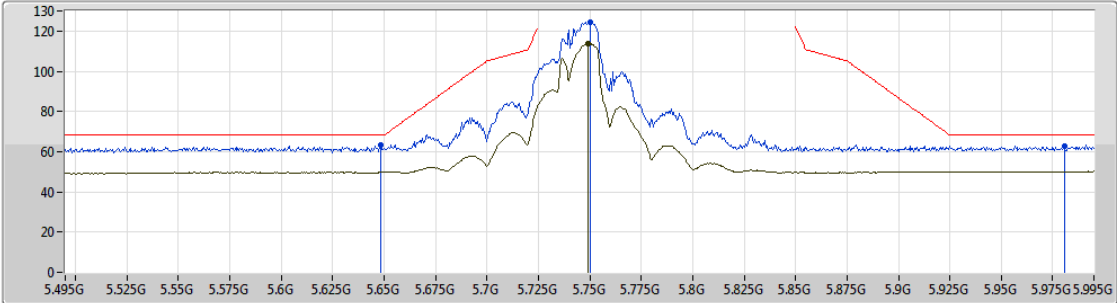
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.587G	62.95	68.20	-5.25	9.30	3	Vertical	278	1.50	-
PK	5.75G	119.14	Inf	-Inf	9.36	3	Vertical	278	1.50	-
AV	5.75G	108.50	Inf	-Inf	9.36	3	Vertical	278	1.50	-
PK	5.982G	63.19	68.20	-5.01	10.56	3	Vertical	278	1.50	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5745MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 28
 04-W-3-10
 FSP(100304)

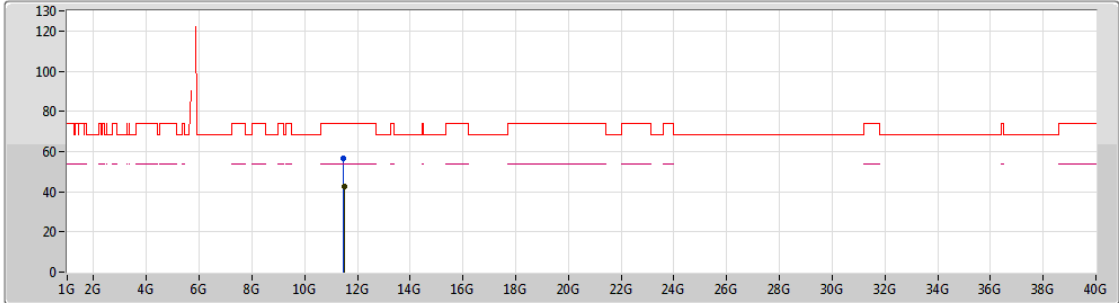
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6485G	63.23	68.20	-4.97	9.32	3	Horizontal	282	1.01	-
PK	5.75G	124.52	Inf	-Inf	9.36	3	Horizontal	282	1.01	-
AV	5.749G	113.56	Inf	-Inf	9.37	3	Horizontal	282	1.01	-
PK	5.9805G	62.99	68.20	-5.21	10.54	3	Horizontal	282	1.01	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5745MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

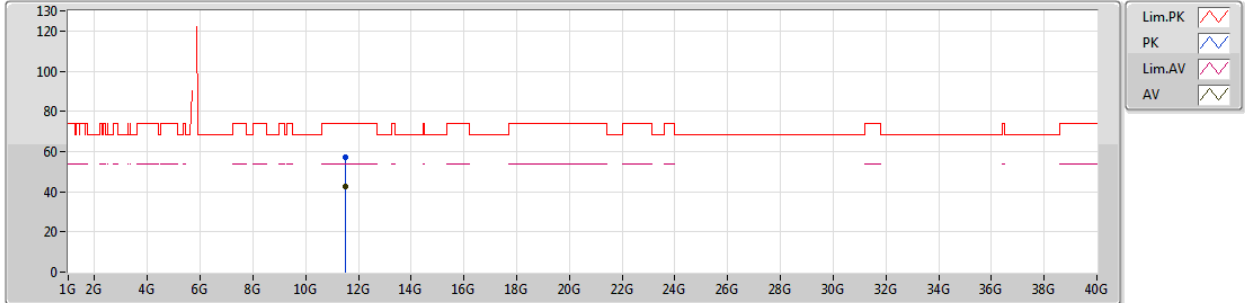
EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.48507G	56.73	74.00	-17.27	15.22	3	Vertical	8	1.34	-
AV	11.48781G	42.39	54.00	-11.61	15.20	3	Vertical	8	1.34	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5745MHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

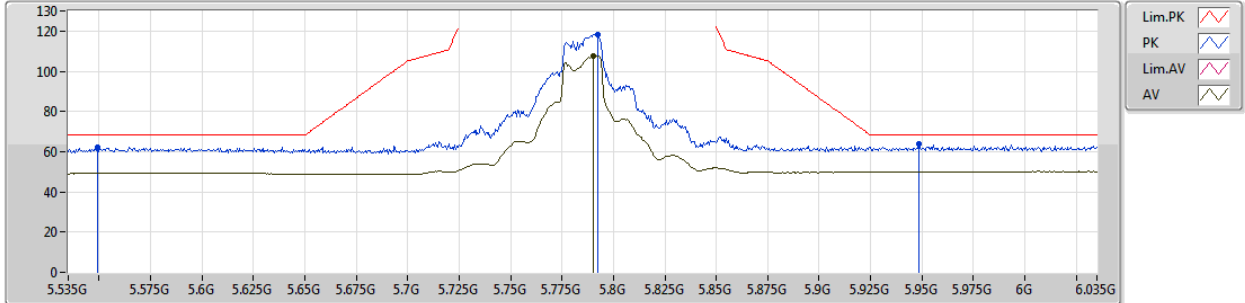
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.49389G	57.04	74.00	-16.96	15.20	3	Horizontal	198	1.21	-
AV	11.48703G	42.34	54.00	-11.66	15.21	3	Horizontal	198	1.21	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5785MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.5495G	62.39	68.20	-5.81	9.25	3	Vertical	277	1.50	-
PK	5.7925G	118.43	Inf	-Inf	9.40	3	Vertical	277	1.50	-
AV	5.79G	107.84	Inf	-Inf	9.40	3	Vertical	277	1.50	-
PK	5.9485G	63.77	68.20	-4.43	10.34	3	Vertical	277	1.50	-



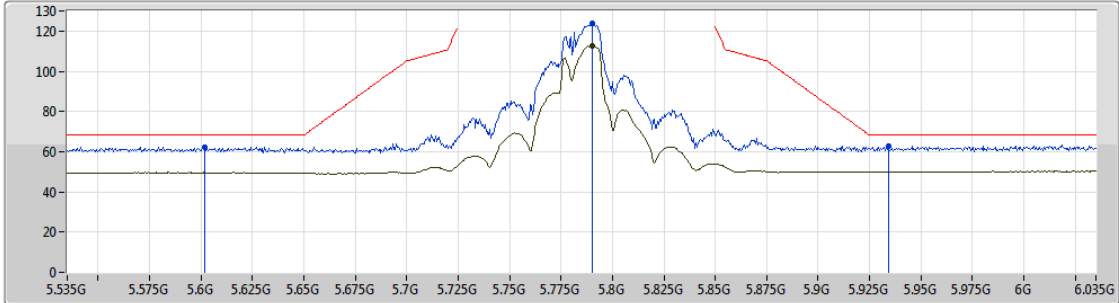
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5785MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

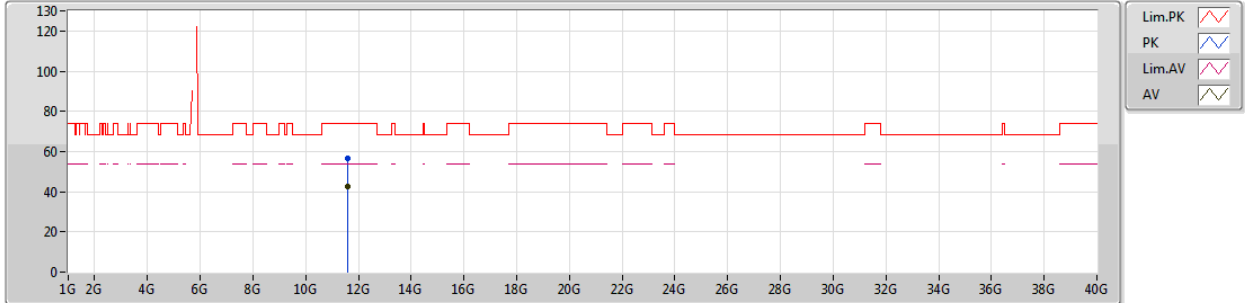
EUT_Z_2TX
 Setting 28
 04-W-3-10
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.602G	62.40	68.20	-5.80	9.32	3	Horizontal	282	1.01	-
PK	5.79G	123.68	Inf	-Inf	9.40	3	Horizontal	282	1.01	-
AV	5.79G	112.73	Inf	-Inf	9.40	3	Horizontal	282	1.01	-
PK	5.934G	62.96	68.20	-5.24	10.25	3	Horizontal	282	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5785MHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

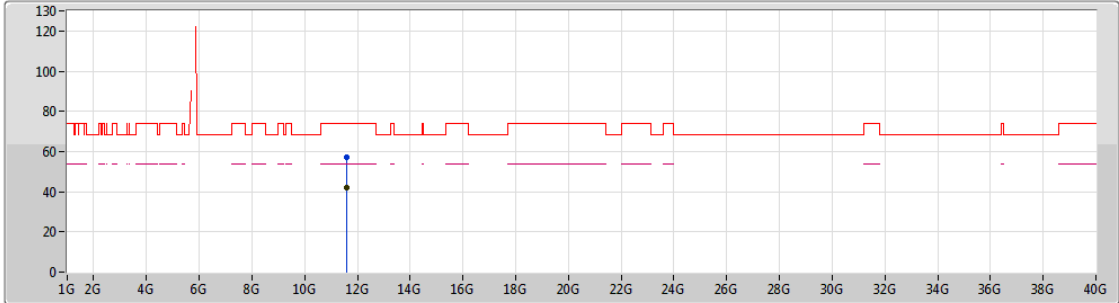
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.58296G	56.49	74.00	-17.51	15.18	3	Vertical	81	2.08	-
AV	11.58491G	42.47	54.00	-11.53	15.18	3	Vertical	81	2.08	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5785MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

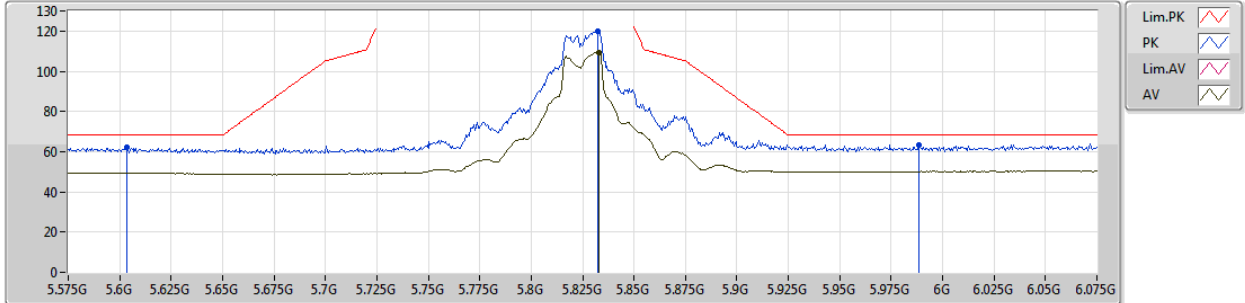
EUT_Z_2TX
 Setting 28
 04-W-3
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.57382G	56.88	74.00	-17.12	15.18	3	Horizontal	161	1.80	-
AV	11.5733G	42.27	54.00	-11.73	15.19	3	Horizontal	161	1.80	-

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5825MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6035G	62.30	68.20	-5.90	9.32	3	Vertical	288	1.50	-
PK	5.8325G	120.13	Inf	-Inf	9.61	3	Vertical	288	1.50	-
AV	5.833G	109.43	Inf	-Inf	9.61	3	Vertical	288	1.50	-
PK	5.9885G	63.39	68.20	-4.81	10.60	3	Vertical	288	1.50	-

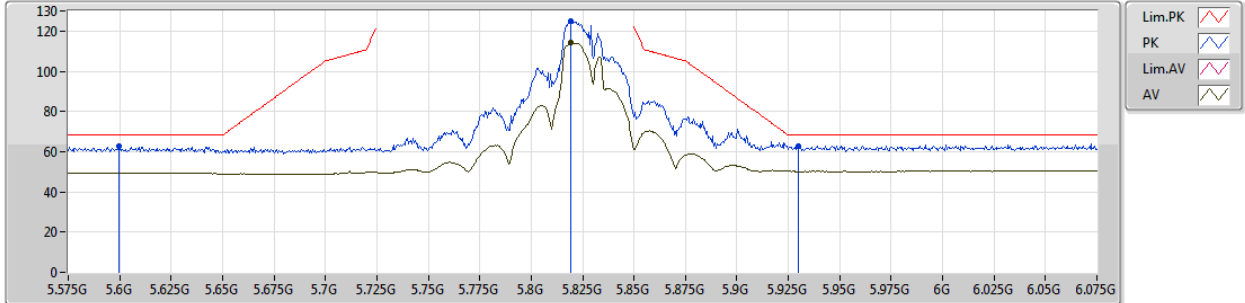


RSE TX above 1GHz Result

802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5825MHz_TX



EUT_Z_2TX
Setting 28
04-W-3-10
FSP(100304)

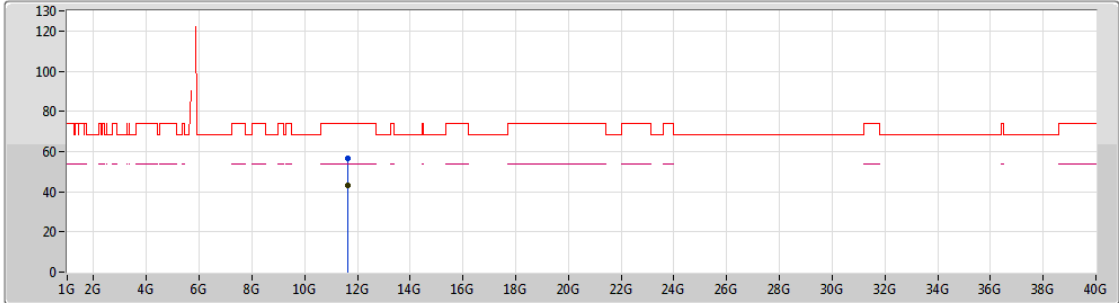
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.5995G	62.48	68.20	-5.72	9.32	3	Horizontal	294	2.55	-
PK	5.8195G	125.07	Inf	-Inf	9.54	3	Horizontal	294	2.55	-
AV	5.8195G	114.27	Inf	-Inf	9.54	3	Horizontal	294	2.55	-
PK	5.93G	63.03	68.20	-5.17	10.23	3	Horizontal	294	2.55	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5825MHz_TX



EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)

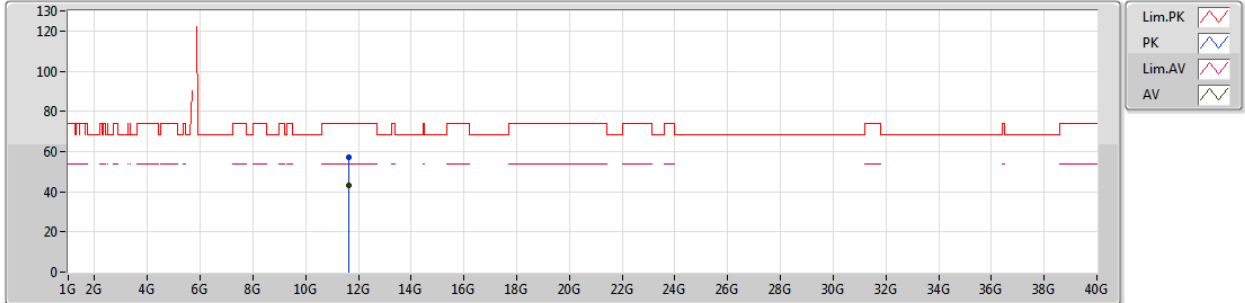
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.6455G	56.55	74.00	-17.45	15.16	3	Vertical	35	2.55	-
AV	11.63557G	42.97	54.00	-11.03	15.17	3	Vertical	35	2.55	-



802.11ac VHT20_Nss1,(MCS0)_2TX

27/03/2019

5825MHz_TX



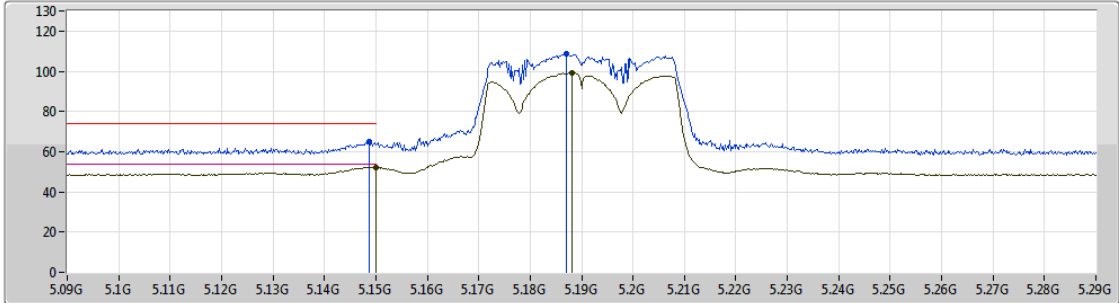
EUT_Z_2TX
Setting 28
04-W-3
FSP(100304)



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.64772G	56.95	74.00	-17.05	15.16	3	Horizontal	359	1.77	-
AV	11.63905G	43.13	54.00	-10.87	15.16	3	Horizontal	359	1.77	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5190MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

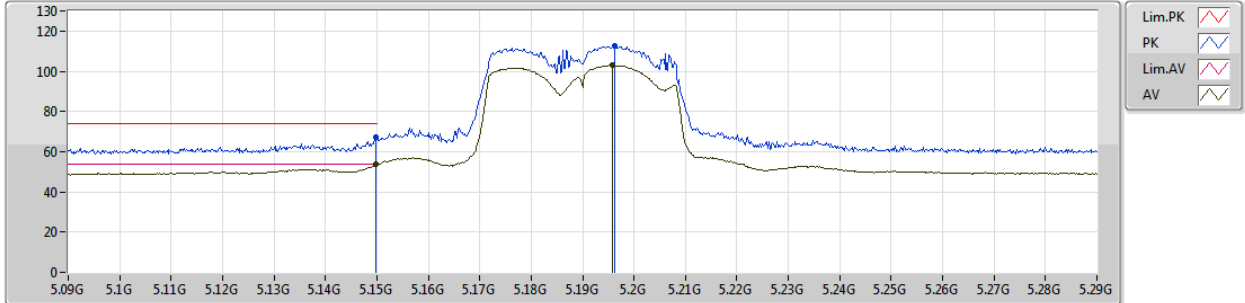
EUT_Z_2TX
Setting 17
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1486G	65.06	74.00	-8.94	7.85	3	Vertical	311	1.01	-
AV	5.15G	52.38	54.00	-1.62	7.85	3	Vertical	311	1.01	-
PK	5.187G	108.84	Inf	-Inf	7.92	3	Vertical	311	1.01	-
AV	5.1882G	99.26	Inf	-Inf	7.92	3	Vertical	311	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5190MHz_TX



EUT_Z_2TX
Setting 17
04-W-3-10
FSP(100304)

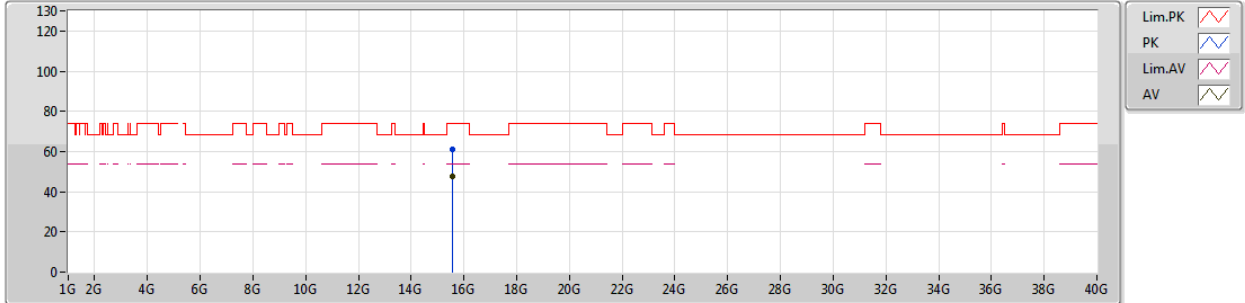
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1498G	67.19	74.00	-6.81	7.85	3	Horizontal	281	1.08	-
AV	5.1498G	53.66	54.00	-0.34	7.85	3	Horizontal	281	1.08	-
PK	5.1962G	112.52	Inf	-Inf	7.93	3	Horizontal	281	1.08	-
AV	5.1958G	103.07	Inf	-Inf	7.93	3	Horizontal	281	1.08	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5190MHz_TX



EUT_Z_2TX
Setting 17
04-B-4
FSP(100304)

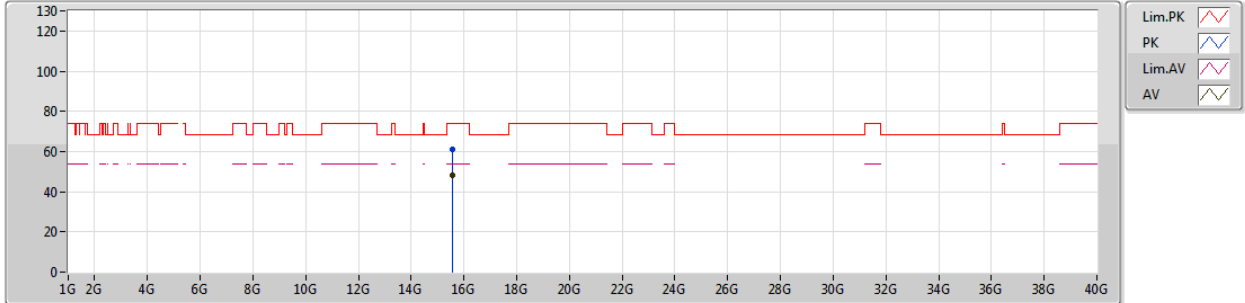
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.5731G	60.84	74.00	-13.16	15.99	3	Vertical	334	1.43	-
AV	15.57325G	47.87	54.00	-6.13	15.99	3	Vertical	334	1.43	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5190MHz_TX



EUT_Z_2TX
Setting 17
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.58365G	61.22	74.00	-12.78	15.99	3	Horizontal	332	1.97	-
AV	15.58045G	48.18	54.00	-5.82	16.00	3	Horizontal	332	1.97	-

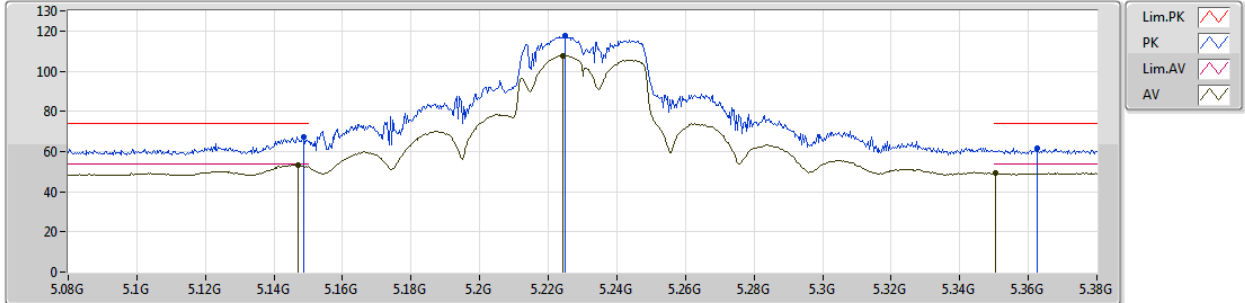


RSE TX above 1GHz Result

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5230MHz_TX



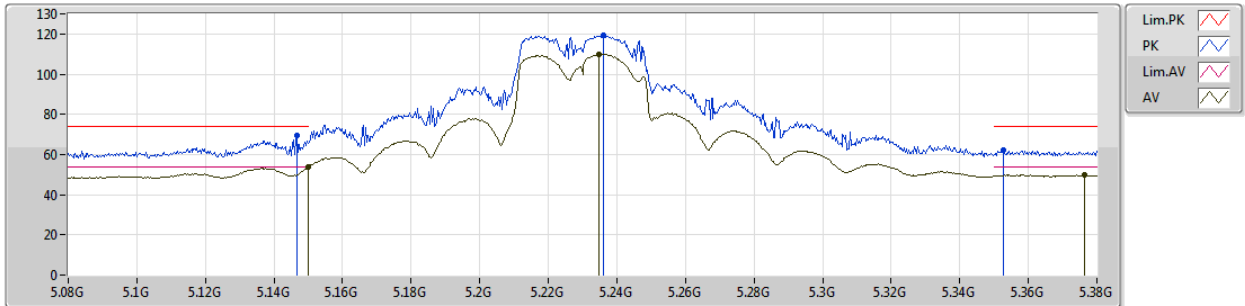
EUT_Z_2TX
Setting 24.5
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1487G	67.34	74.00	-6.66	7.85	3	Vertical	329	2.99	-
AV	5.1469G	53.19	54.00	-0.81	7.85	3	Vertical	329	2.99	-
PK	5.2249G	117.43	Inf	-Inf	8.02	3	Vertical	329	2.99	-
AV	5.2243G	107.77	Inf	-Inf	8.02	3	Vertical	329	2.99	-
PK	5.3626G	61.71	74.00	-12.29	8.62	3	Vertical	329	2.99	-
AV	5.3503G	49.19	54.00	-4.81	8.56	3	Vertical	329	2.99	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5230MHz_TX



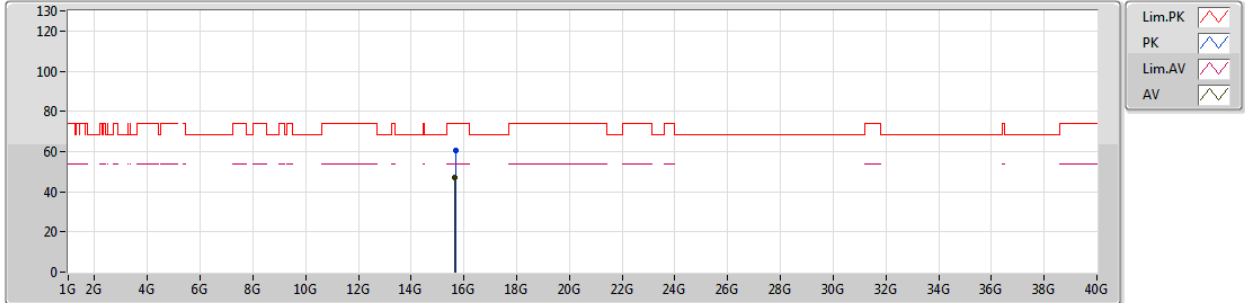
EUT_Z_2TX
Setting 24.5
04-W-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1466G	69.28	74.00	-4.72	7.85	3	Horizontal	283	1.00	-
AV	5.1499G	53.63	54.00	-0.37	7.85	3	Horizontal	283	1.00	-
PK	5.236G	119.13	Inf	-Inf	8.07	3	Horizontal	283	1.00	-
AV	5.2348G	109.92	Inf	-Inf	8.07	3	Horizontal	283	1.00	-
PK	5.3527G	62.20	74.00	-11.80	8.57	3	Horizontal	283	1.00	-
AV	5.3764G	49.80	54.00	-4.20	8.68	3	Horizontal	283	1.00	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5230MHz_TX



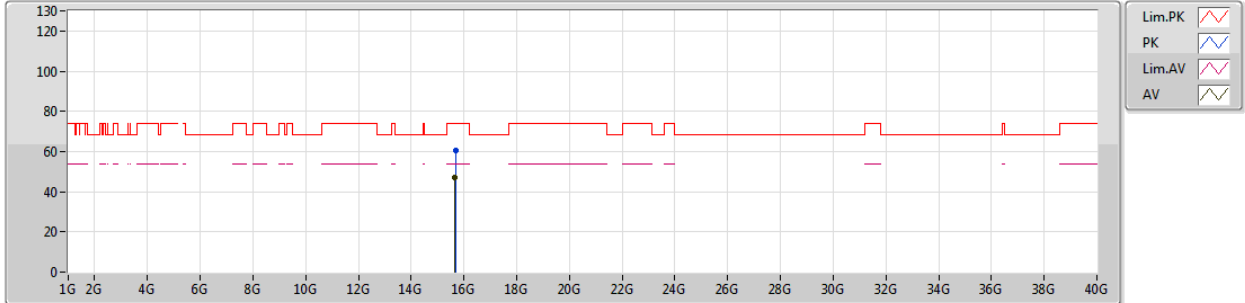
EUT_Z_2TX
Setting 24.5
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.7085G	60.37	74.00	-13.63	15.91	3	Vertical	337	1.43	-
AV	15.6663G	47.14	54.00	-6.86	15.94	3	Vertical	337	1.43	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5230MHz_TX



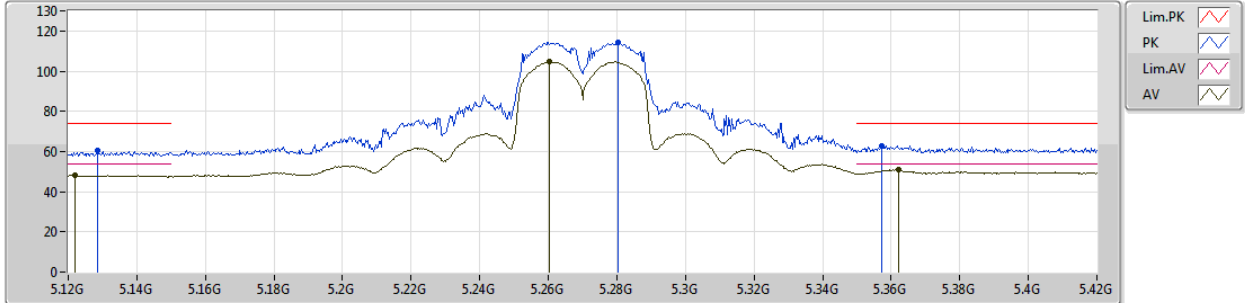
EUT_Z_2TX
Setting 24.5
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.6855G	60.76	74.00	-13.24	15.93	3	Horizontal	352	1.54	-
AV	15.67165G	47.25	54.00	-6.75	15.94	3	Horizontal	352	1.54	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5270MHz_TX



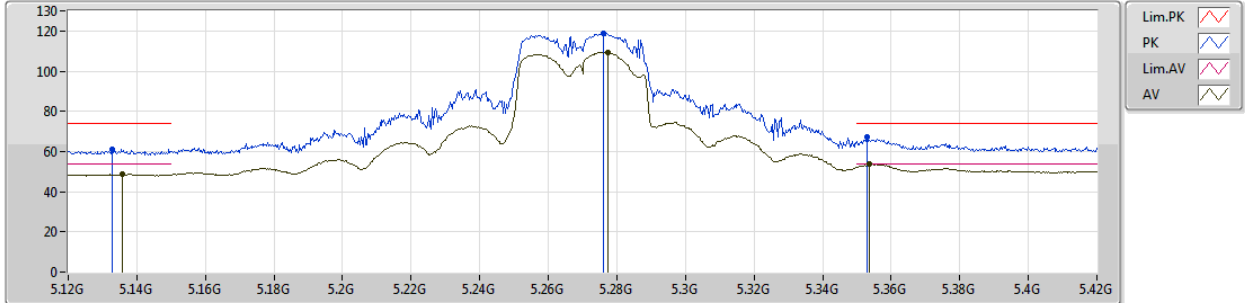
EUT_Z_2TX
Setting 23.5
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1284G	60.30	74.00	-13.70	7.83	3	Vertical	294	1.50	-
AV	5.1221G	48.16	54.00	-5.84	7.82	3	Vertical	294	1.50	-
PK	5.2805G	114.51	Inf	-Inf	8.25	3	Vertical	294	1.50	-
AV	5.2604G	104.75	Inf	-Inf	8.16	3	Vertical	294	1.50	-
PK	5.3573G	62.99	74.00	-11.01	8.59	3	Vertical	294	1.50	-
AV	5.3621G	50.90	54.00	-3.10	8.62	3	Vertical	294	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5270MHz_TX



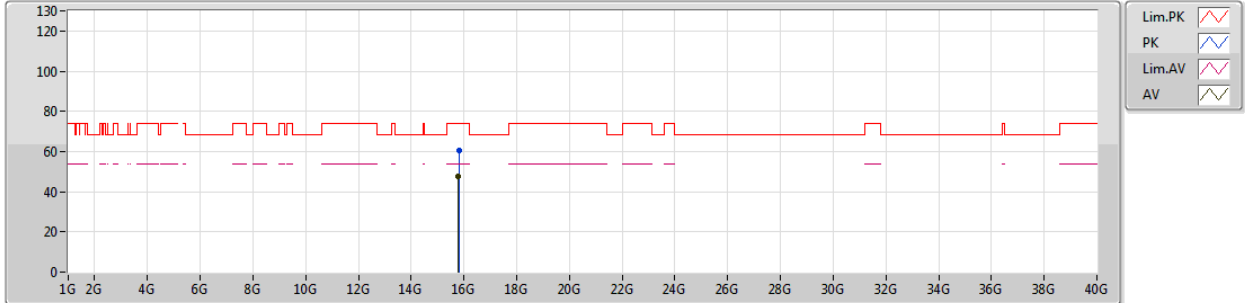
EUT_Z_2TX
Setting 23.5
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1329G	61.12	74.00	-12.88	7.83	3	Horizontal	281	1.01	-
AV	5.1359G	48.65	54.00	-5.35	7.84	3	Horizontal	281	1.01	-
PK	5.276G	118.89	Inf	-Inf	8.23	3	Horizontal	281	1.01	-
AV	5.2775G	109.30	Inf	-Inf	8.24	3	Horizontal	281	1.01	-
PK	5.3531G	67.38	74.00	-6.62	8.57	3	Horizontal	281	1.01	-
AV	5.3537G	53.56	54.00	-0.44	8.58	3	Horizontal	281	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5270MHz_TX



EUT_Z_2TX
Setting 23.5
04-B-4
FSP(100304)

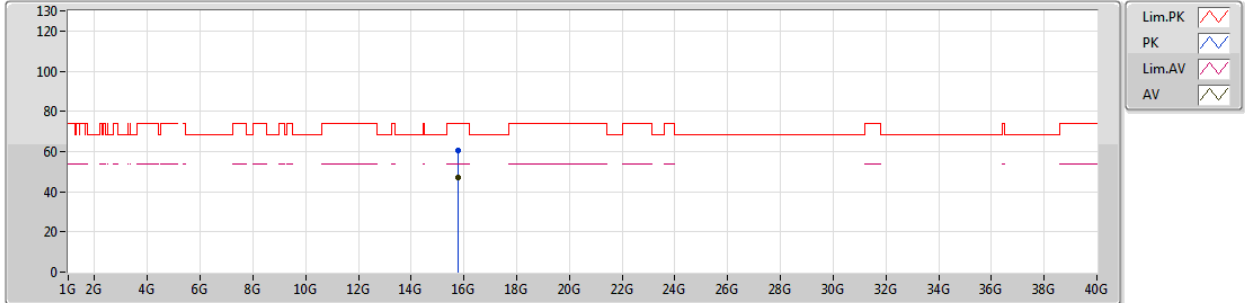
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.8294G	60.79	74.00	-13.21	15.85	3	Vertical	114	1.58	-
AV	15.7888G	47.40	54.00	-6.60	15.87	3	Vertical	114	1.58	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5270MHz_TX



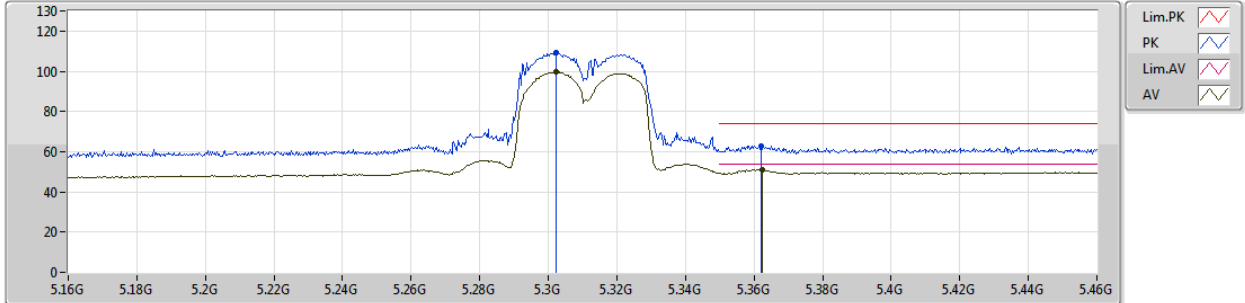
EUT_Z_2TX
Setting 23.5
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.79975G	60.58	74.00	-13.42	15.86	3	Horizontal	300	2.01	-
AV	15.7898G	47.31	54.00	-6.69	15.87	3	Horizontal	300	2.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5310MHz_TX



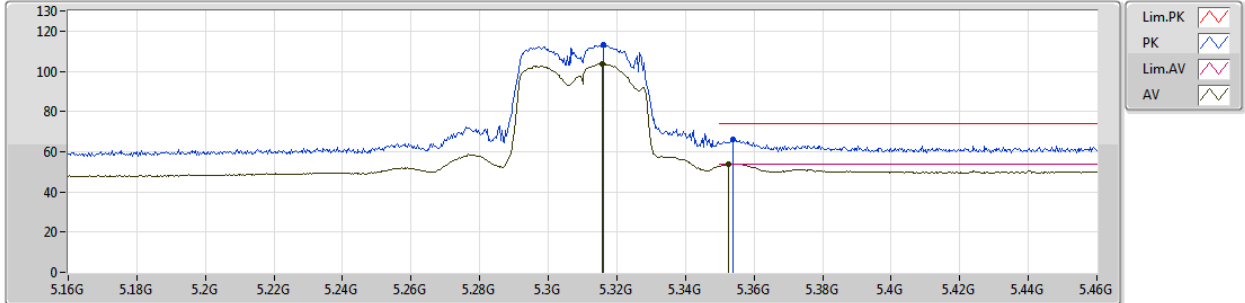
EUT_Z_2TX
Setting 18
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3022G	109.00	Inf	-Inf	8.33	3	Vertical	297	1.50	-
AV	5.3022G	99.71	Inf	-Inf	8.33	3	Vertical	297	1.50	-
PK	5.3622G	62.97	74.00	-11.03	8.62	3	Vertical	297	1.50	-
AV	5.3625G	51.02	54.00	-2.98	8.62	3	Vertical	297	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5310MHz_TX



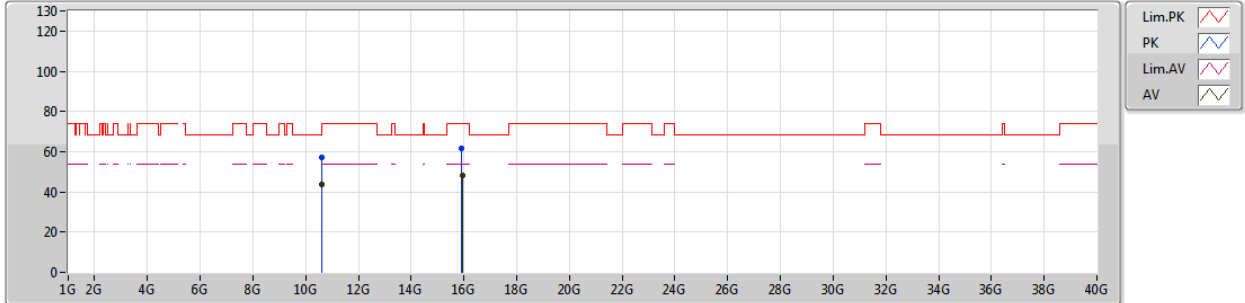
EUT_Z_2TX
Setting 18
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.316G	113.33	Inf	-Inf	8.39	3	Horizontal	277	1.02	-
AV	5.3157G	103.65	Inf	-Inf	8.39	3	Horizontal	277	1.02	-
PK	5.3538G	65.97	74.00	-8.03	8.58	3	Horizontal	277	1.02	-
AV	5.3526G	53.96	54.00	-0.04	8.57	3	Horizontal	277	1.02	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5310MHz_TX



EUT_Z_2TX
Setting 18
04-B-4
FSP(100304)

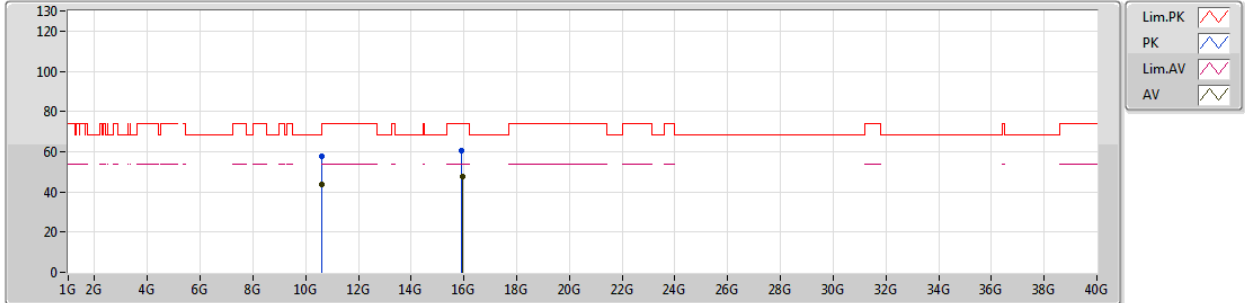
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.6008G	57.30	74.00	-16.70	15.19	3	Vertical	257	2.45	-
AV	10.6062G	43.88	54.00	-10.12	15.20	3	Vertical	257	2.45	-
PK	15.9193G	61.79	74.00	-12.21	15.79	3	Vertical	262	2.36	-
AV	15.93465G	47.93	54.00	-6.07	15.78	3	Vertical	262	2.36	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5310MHz_TX



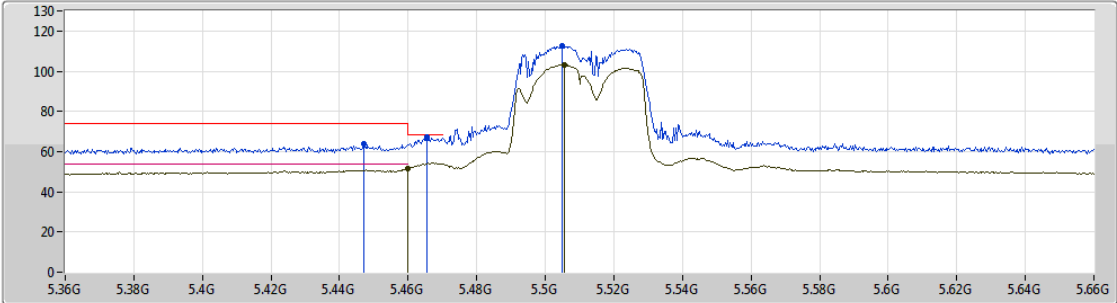
EUT_Z_2TX
Setting 18
04-B-4
FSP(100304)




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60935G	57.85	74.00	-16.15	15.21	3	Horizontal	146	1.92	-
AV	10.60965G	43.80	54.00	-10.20	15.20	3	Horizontal	146	1.92	-
PK	15.90725G	60.69	74.00	-13.31	15.80	3	Horizontal	317	2.40	-
AV	15.9401G	47.85	54.00	-6.15	15.78	3	Horizontal	317	2.40	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5510MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

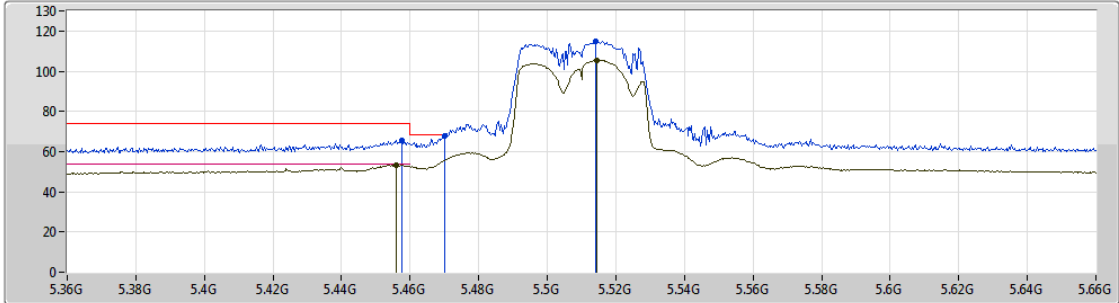
EUT_Z_2TX
 Setting 18.5
 04-B-4-10
 FSP(100304)





Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.447G	64.07	74.00	-9.93	8.97	3	Vertical	330	2.43	-
AV	5.4599G	51.53	54.00	-2.47	9.02	3	Vertical	330	2.43	-
PK	5.4656G	67.43	68.20	-0.77	9.04	3	Vertical	330	2.43	-
PK	5.5049G	112.46	Inf	-Inf	9.18	3	Vertical	330	2.43	-
AV	5.5055G	103.13	Inf	-Inf	9.18	3	Vertical	330	2.43	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5510MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

EUT_Z_2TX
 Setting 18.5
 04-B-4-10
 FSP(100304)

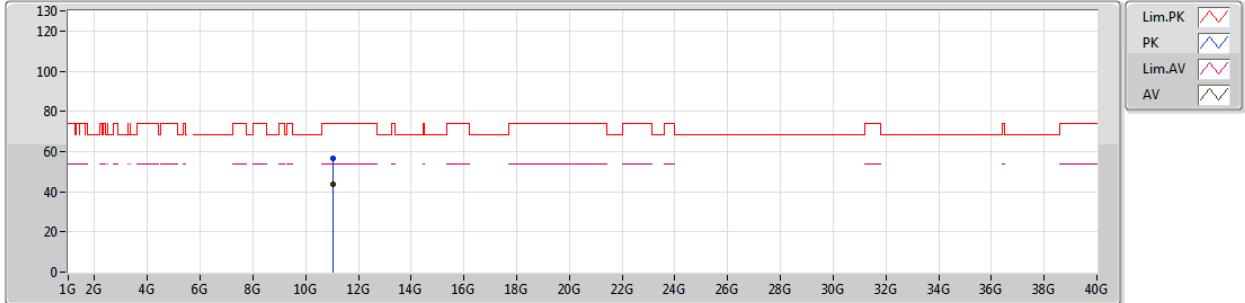
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4575G	65.71	74.00	-8.29	9.01	3	Horizontal	282	1.01	-
AV	5.456G	53.43	54.00	-0.57	9.00	3	Horizontal	282	1.01	-
PK	5.47G	67.82	68.20	-0.38	9.06	3	Horizontal	282	1.01	-
PK	5.5142G	114.99	Inf	-Inf	9.19	3	Horizontal	282	1.01	-
AV	5.5145G	105.50	Inf	-Inf	9.19	3	Horizontal	282	1.01	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5510MHz_TX



EUT_Z_2TX
 Setting 18.5
 04-B-4
 FSP(100304)

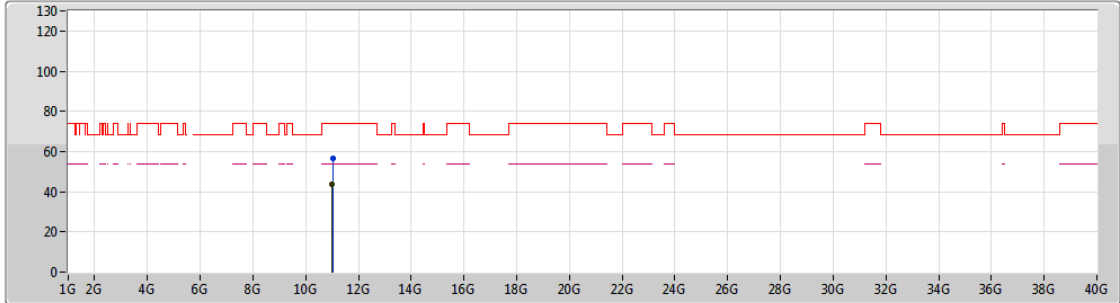
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.01715G	56.59	74.00	-17.41	15.33	3	Vertical	78	1.89	-
AV	11.01765G	43.51	54.00	-10.49	15.33	3	Vertical	78	1.89	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5510MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

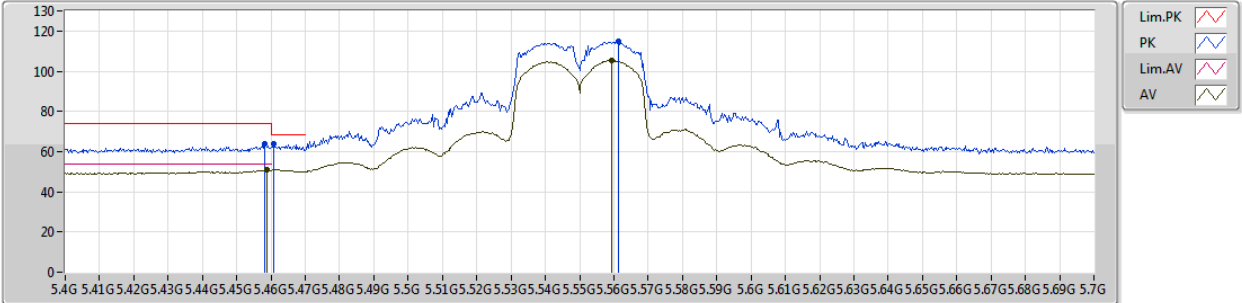
EUT_Z_2TX
 Setting 18.5
 04-B-4
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.0342G	56.87	74.00	-17.13	15.34	3	Horizontal	322	1.76	-
AV	11.0017G	43.59	54.00	-10.41	15.34	3	Horizontal	322	1.76	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5550MHz_TX



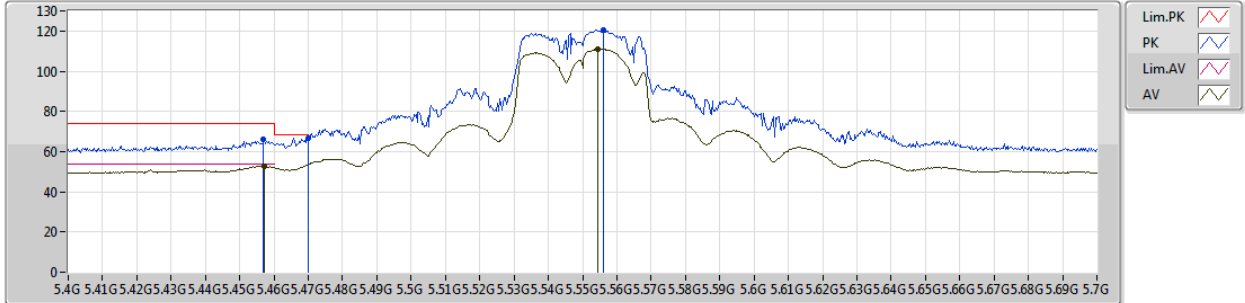
EUT_Z_2TX
Setting 23
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4582G	64.04	74.00	-9.96	9.01	3	Vertical	289	1.50	-
AV	5.4588G	50.73	54.00	-3.27	9.02	3	Vertical	289	1.50	-
PK	5.4609G	64.11	68.20	-4.09	9.02	3	Vertical	289	1.50	-
PK	5.5614G	114.94	Inf	-Inf	9.26	3	Vertical	289	1.50	-
AV	5.5593G	105.47	Inf	-Inf	9.26	3	Vertical	289	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5550MHz_TX



EUT_Z_2TX
Setting 23
04-B-4-10
FSP(100304)

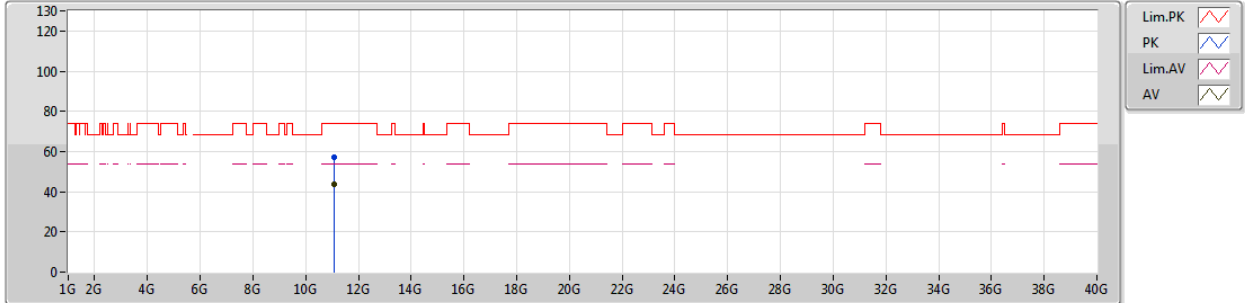
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.457G	65.89	74.00	-8.11	9.01	3	Horizontal	281	1.01	-
AV	5.4573G	52.85	54.00	-1.15	9.01	3	Horizontal	281	1.01	-
PK	5.4699G	66.69	68.20	-1.51	9.06	3	Horizontal	281	1.01	-
PK	5.556G	120.40	Inf	-Inf	9.25	3	Horizontal	281	1.01	-
AV	5.5545G	111.19	Inf	-Inf	9.25	3	Horizontal	281	1.01	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5550MHz_TX



EUT_Z_2TX
Setting 23
04-B-4
FSP(100304)

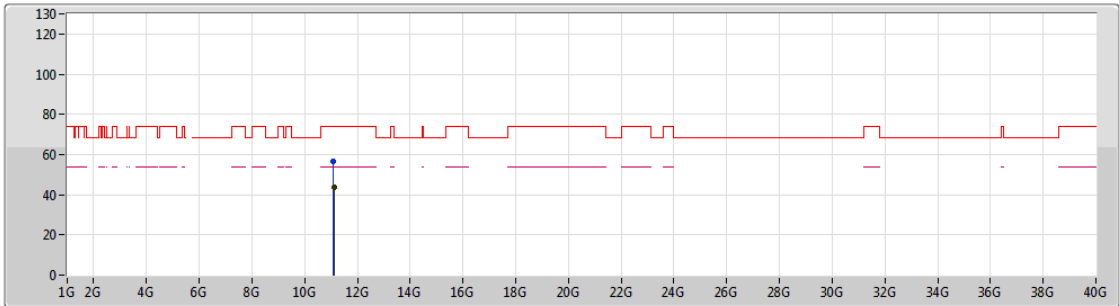
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.07765G	57.17	74.00	-16.83	15.32	3	Vertical	321	1.82	-
AV	11.0957G	43.51	54.00	-10.49	15.31	3	Vertical	321	1.82	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5550MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

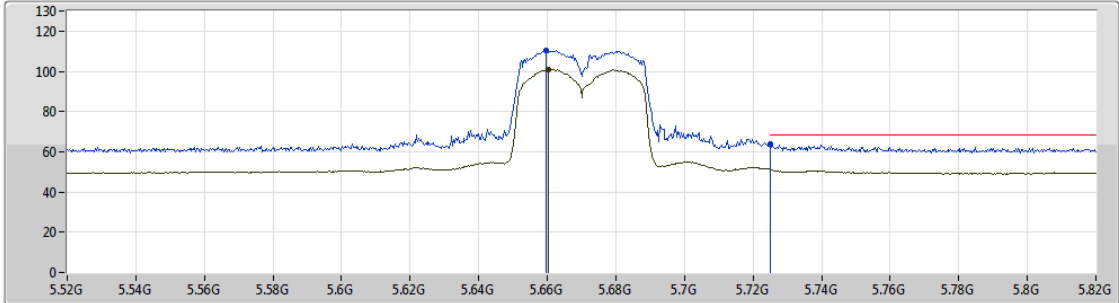
EUT_Z_2TX
 Setting 23
 04-B-4
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.09495G	56.76	74.00	-17.24	15.31	3	Horizontal	276	1.47	-
AV	11.12495G	43.61	54.00	-10.39	15.31	3	Horizontal	276	1.47	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5670MHz_TX



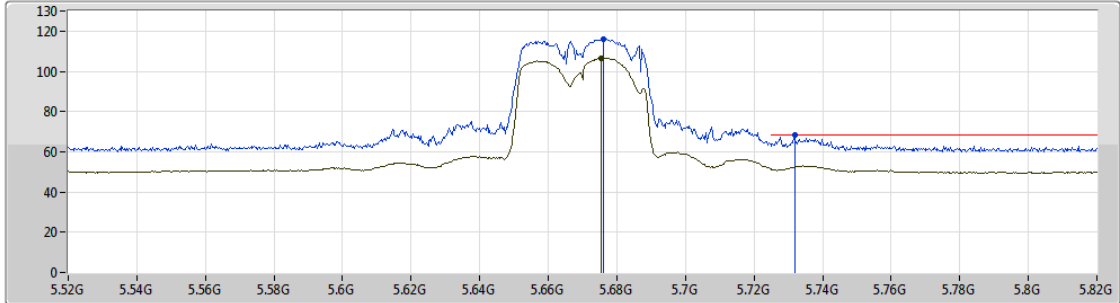
EUT_Z_2TX
Setting 19.5
04-B-4-10
FSP(100304)


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6598G	110.24	Inf	-Inf	9.32	3	Vertical	288	1.50	-
AV	5.6604G	101.04	Inf	-Inf	9.32	3	Vertical	288	1.50	-
PK	5.7252G	63.95	68.20	-4.25	9.34	3	Vertical	288	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5670MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

EUT_Z_2TX
 Setting 19.5
 04-B-4-10
 FSP(100304)

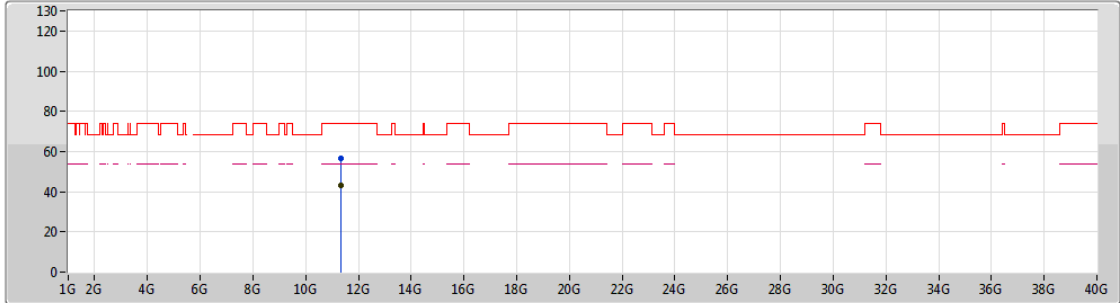
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.676G	116.23	Inf	-Inf	9.32	3	Horizontal	278	1.01	-
AV	5.6754G	106.57	Inf	-Inf	9.32	3	Horizontal	278	1.01	-
PK	5.7318G	68.11	68.20	-0.09	9.35	3	Horizontal	278	1.01	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5670MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 19.5
 04-B-4
 FSP(100304)

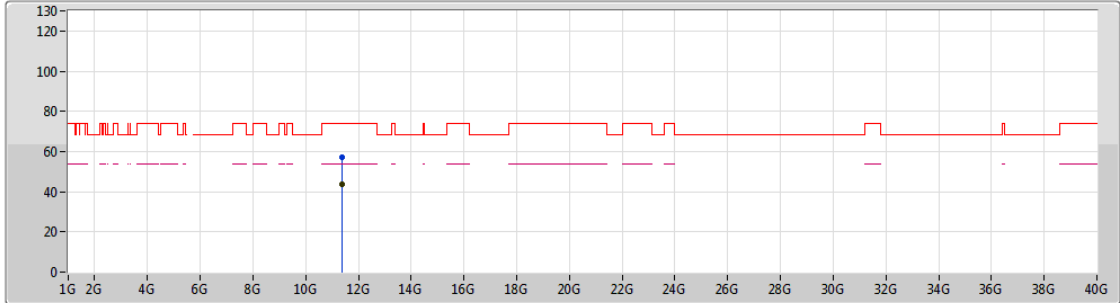
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.35235G	56.77	74.00	-17.23	15.25	3	Vertical	335	1.27	-
AV	11.3555G	43.37	54.00	-10.63	15.25	3	Vertical	335	1.27	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5670MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

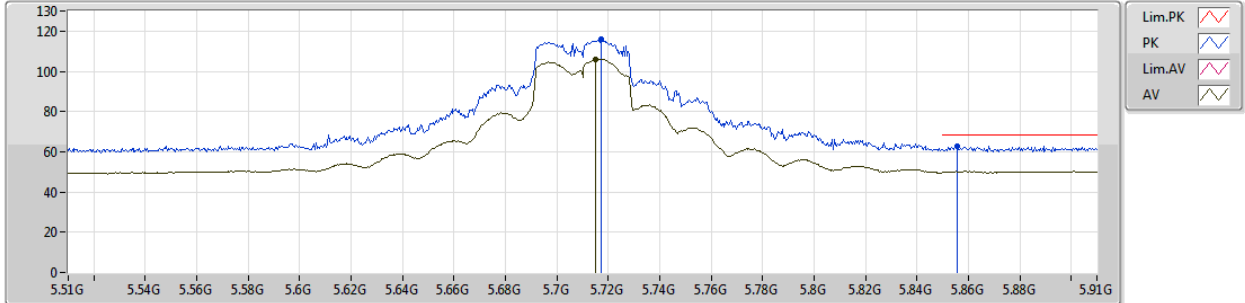
EUT_Z_2TX
 Setting 19.5
 04-B-4
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.36145G	57.02	74.00	-16.98	15.25	3	Horizontal	269	2.41	-
AV	11.36255G	43.48	54.00	-10.52	15.24	3	Horizontal	269	2.41	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5710MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-B-4-10
FSP(100304)

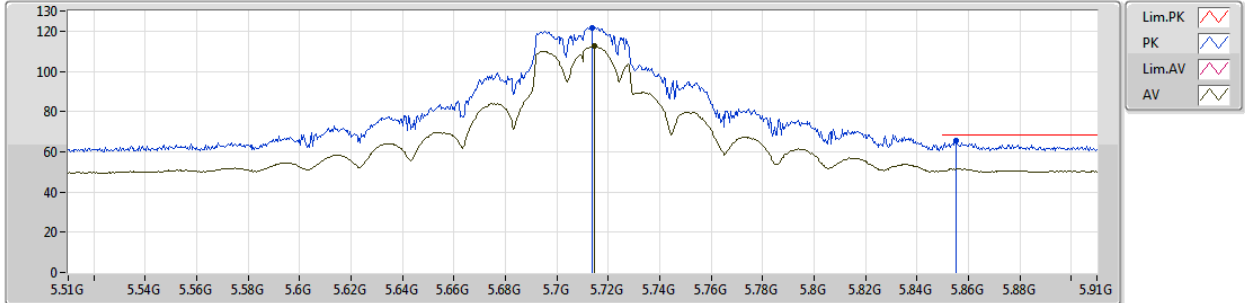
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7172G	115.75	Inf	-Inf	9.33	3	Vertical	281	1.50	-
AV	5.7152G	105.93	Inf	-Inf	9.33	3	Vertical	281	1.50	-
PK	5.8556G	62.80	68.20	-5.40	9.76	3	Vertical	281	1.50	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5710MHz Straddle 5.47-5.725GHz_TX



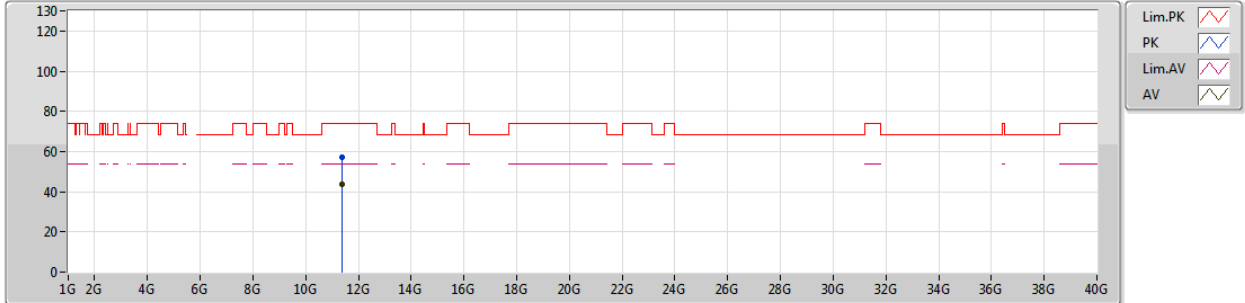
EUT_Z_2TX
Setting 28
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7136G	121.86	Inf	-Inf	9.34	3	Horizontal	282	1.03	-
AV	5.7144G	112.54	Inf	-Inf	9.33	3	Horizontal	282	1.03	-
PK	5.8552G	65.66	68.20	-2.54	9.76	3	Horizontal	282	1.03	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5710MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 28
04-B-4
FSP(100304)

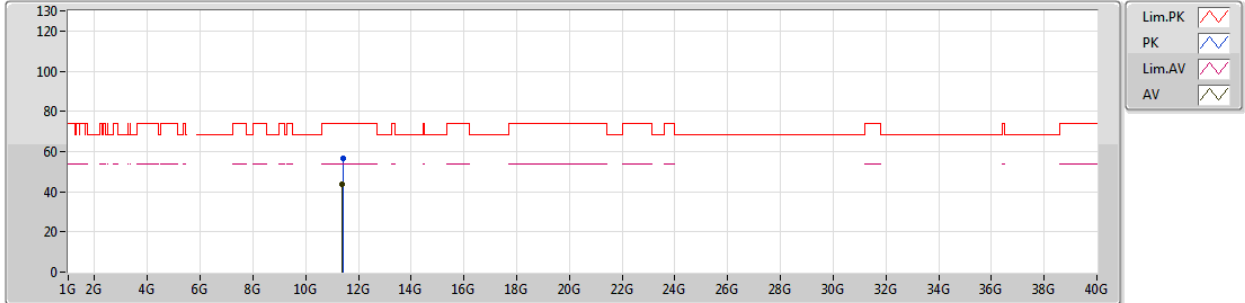
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.39955G	57.21	74.00	-16.79	15.24	3	Vertical	185	1.94	-
AV	11.39955G	43.60	54.00	-10.40	15.23	3	Vertical	185	1.94	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5710MHz Straddle 5.47-5.725GHz_TX



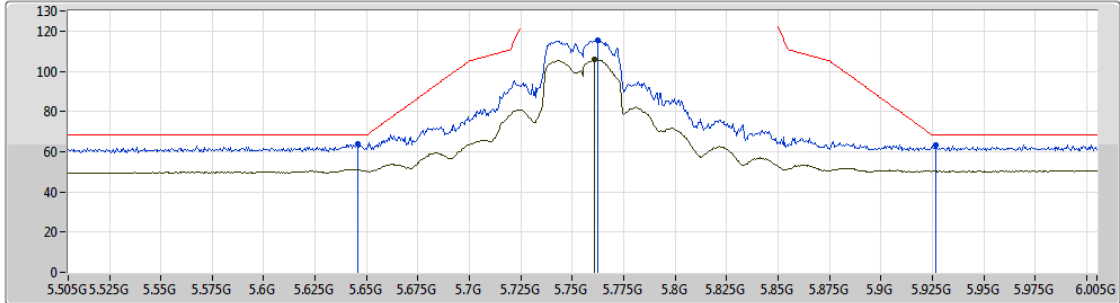
EUT_Z_2TX
Setting 28
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.4436G	56.80	74.00	-17.20	15.22	3	Horizontal	330	1.55	-
AV	11.40025G	43.44	54.00	-10.56	15.23	3	Horizontal	330	1.55	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5755MHz_TX



Legend for the spectrum plot:

- Lim.PK (Red line)
- PK (Blue line)
- Lim.AV (Green line)
- AV (Black line)

EUT_Z_2TX
Setting 28
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6455G	64.05	68.20	-4.15	9.32	3	Vertical	282	1.50	-
PK	5.7625G	115.65	Inf	-Inf	9.38	3	Vertical	282	1.50	-
AV	5.761G	105.72	Inf	-Inf	9.37	3	Vertical	282	1.50	-
PK	5.9265G	63.09	68.20	-5.11	10.20	3	Vertical	282	1.50	-



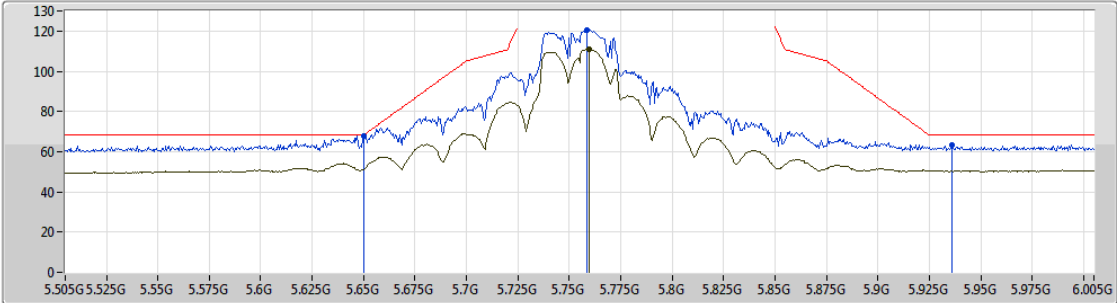
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5755MHz_TX



EUT_Z_2TX
Setting 28
04-B-4-10
FSP(100304)

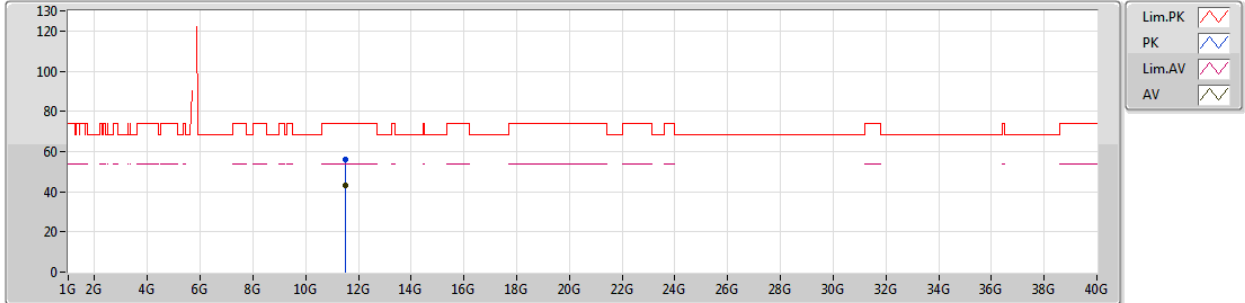
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.65G	67.82	68.20	-0.38	9.32	3	Horizontal	282	1.05	-
PK	5.7585G	120.71	Inf	-Inf	9.38	3	Horizontal	282	1.05	-
AV	5.7595G	111.21	Inf	-Inf	9.37	3	Horizontal	282	1.05	-
PK	5.936G	63.12	68.20	-5.08	10.27	3	Horizontal	282	1.05	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5755MHz_TX



EUT_Z_2TX
Setting 28
04-B-4
FSP(100304)

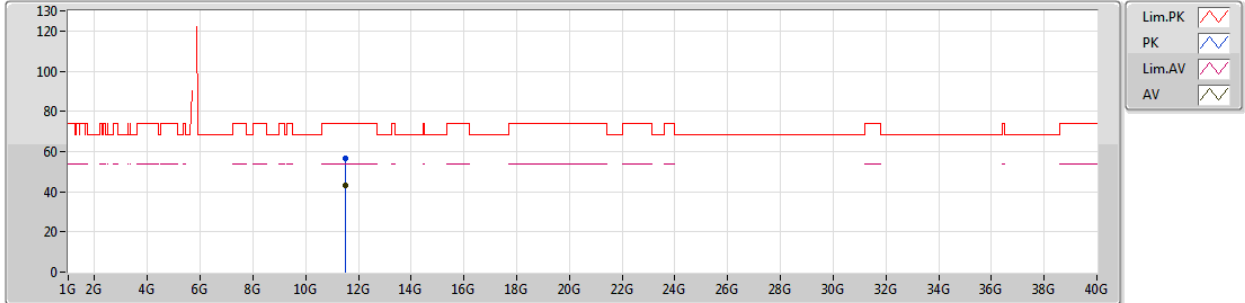
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.52075G	56.26	74.00	-17.74	15.19	3	Vertical	332	1.70	-
AV	11.5047G	43.17	54.00	-10.83	15.21	3	Vertical	332	1.70	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5755MHz_TX



EUT_Z_2TX
Setting 28
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.49695G	56.48	74.00	-17.52	15.20	3	Horizontal	181	1.58	-
AV	11.5014G	43.21	54.00	-10.79	15.21	3	Horizontal	181	1.58	-



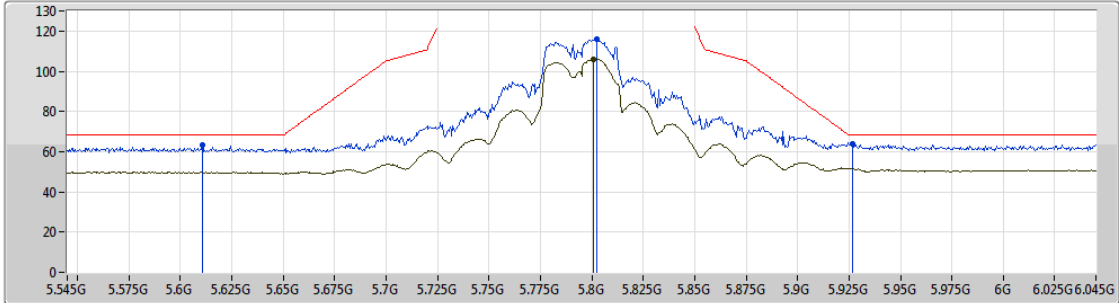
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5795MHz_TX



EUT_Z_2TX
Setting 28
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6105G	63.32	68.20	-4.88	9.32	3	Vertical	273	1.50	-
PK	5.8025G	115.81	Inf	-Inf	9.42	3	Vertical	273	1.50	-
AV	5.8005G	106.12	Inf	-Inf	9.41	3	Vertical	273	1.50	-
PK	5.9265G	63.91	68.20	-4.29	10.20	3	Vertical	273	1.50	-

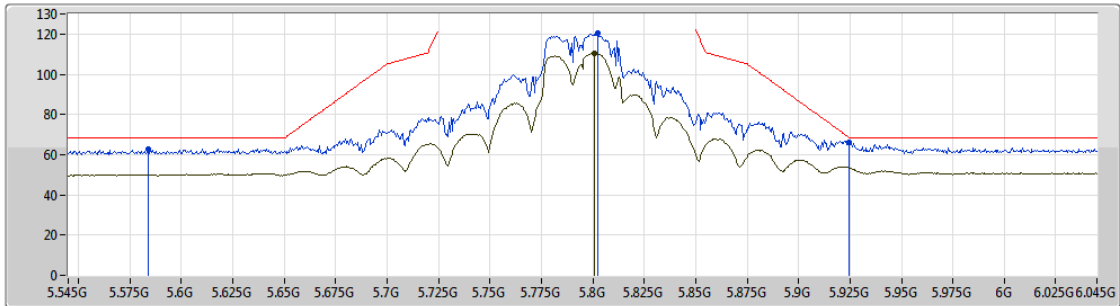


RSE TX above 1GHz Result

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5795MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

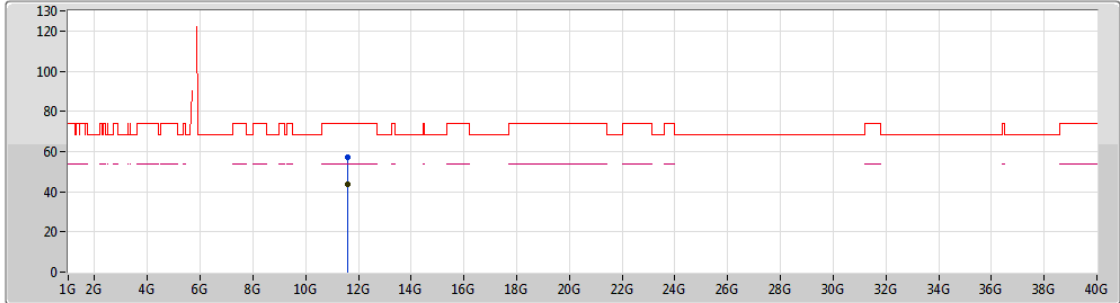
EUT_Z_2TX
 Setting 28
 04-B-4-10
 FSP(100304)




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.584G	62.76	68.20	-5.44	9.30	3	Horizontal	283	1.01	-
PK	5.8025G	120.25	Inf	-Inf	9.42	3	Horizontal	283	1.01	-
AV	5.8005G	110.49	Inf	-Inf	9.41	3	Horizontal	283	1.01	-
PK	5.9245G	66.10	68.57	-2.47	10.19	3	Horizontal	283	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5795MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

EUT_Z_2TX
 Setting 28
 04-B-4
 FSP(100304)

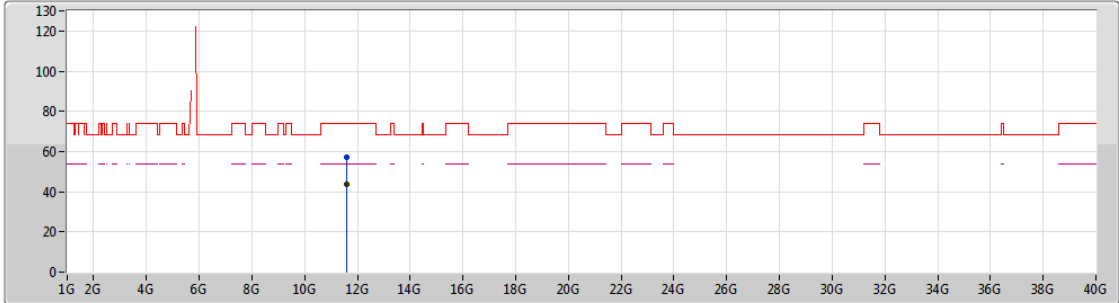
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.5935G	57.31	74.00	-16.69	15.18	3	Vertical	55	1.46	-
AV	11.61275G	43.50	54.00	-10.50	15.17	3	Vertical	55	1.46	-



802.11ac VHT40_Nss1,(MCS0)_2TX

27/03/2019

5795MHz_TX



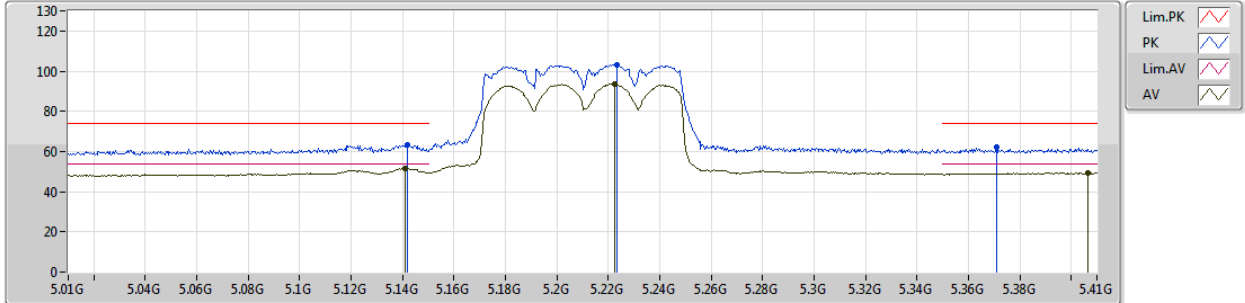
EUT_Z_2TX
Setting 28
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.597G	57.26	74.00	-16.74	15.18	3	Horizontal	280	1.79	-
AV	11.6148G	43.64	54.00	-10.36	15.17	3	Horizontal	280	1.79	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5210MHz_TX



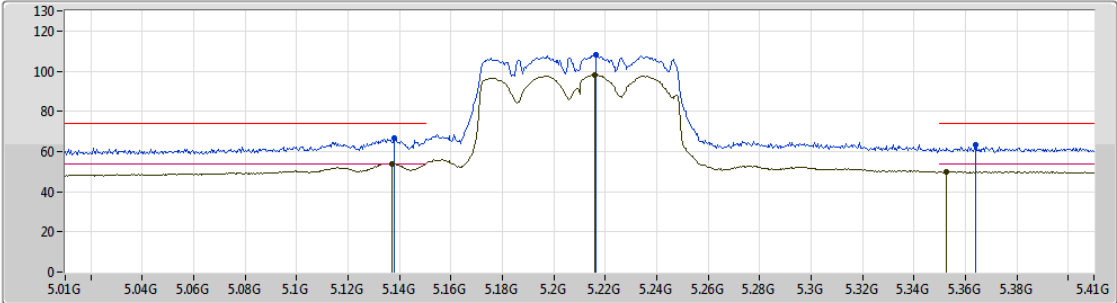
EUT_Z_2TX
Setting 16.5
04-B-4-10
FSP(100304)




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.142G	63.26	74.00	-10.74	7.84	3	Vertical	300	1.50	-
AV	5.1408G	51.61	54.00	-2.39	7.84	3	Vertical	300	1.50	-
PK	5.2232G	103.31	Inf	-Inf	8.02	3	Vertical	300	1.50	-
AV	5.2224G	93.82	Inf	-Inf	8.01	3	Vertical	300	1.50	-
PK	5.3708G	62.41	74.00	-11.59	8.65	3	Vertical	300	1.50	-
AV	5.4064G	49.44	54.00	-4.56	8.82	3	Vertical	300	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5210MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

EUT_Z_2TX
 Setting 16.5
 04-B-4-10
 FSP(100304)

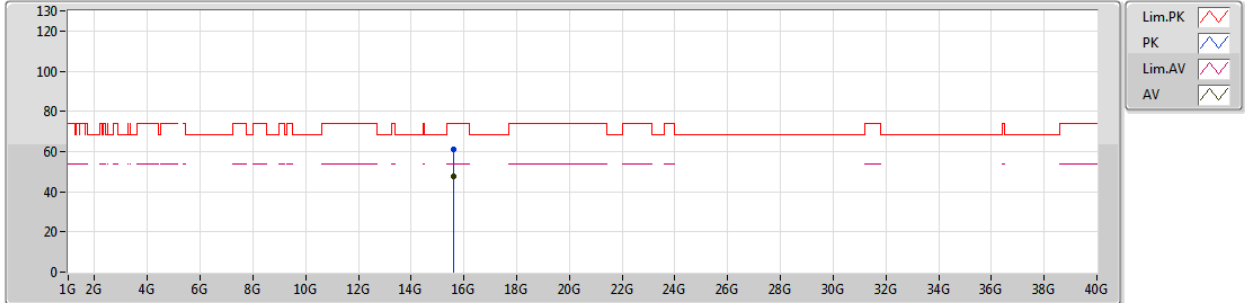
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.138G	66.79	74.00	-7.21	7.84	3	Horizontal	279	1.02	-
AV	5.1372G	53.95	54.00	-0.05	7.84	3	Horizontal	279	1.02	-
PK	5.2164G	108.03	Inf	-Inf	7.99	3	Horizontal	279	1.02	-
AV	5.216G	98.27	Inf	-Inf	7.99	3	Horizontal	279	1.02	-
PK	5.364G	63.33	74.00	-10.67	8.62	3	Horizontal	279	1.02	-
AV	5.3528G	50.06	54.00	-3.94	8.57	3	Horizontal	279	1.02	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5210MHz_TX



EUT_Z_2TX
Setting 16.5
04-B-4
FSP(100304)

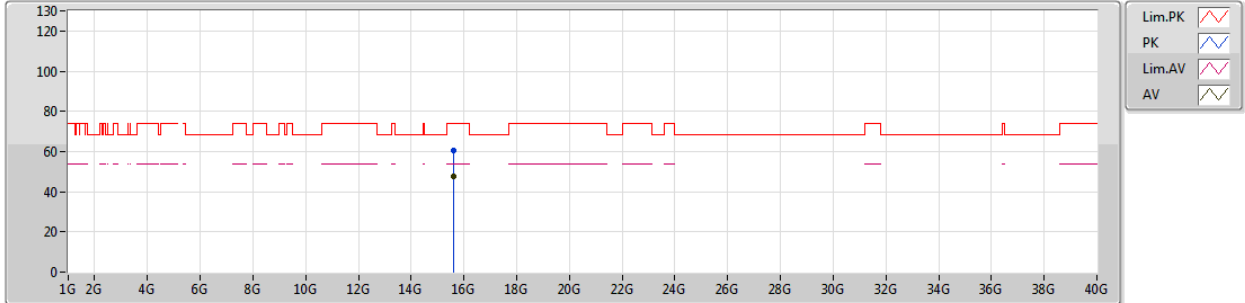
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.62685G	60.99	74.00	-13.01	15.97	3	Vertical	234	2.07	-
AV	15.60745G	47.64	54.00	-6.36	15.97	3	Vertical	234	2.07	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5210MHz_TX



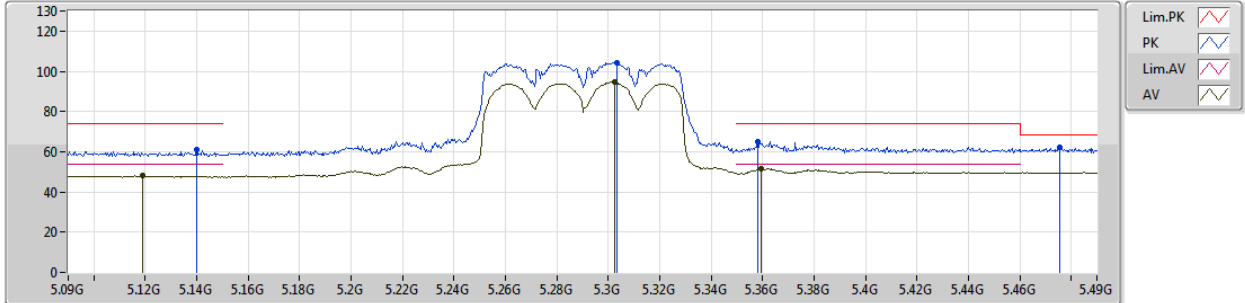
EUT_Z_2TX
 Setting 16.5
 04-B-4
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.6118G	60.79	74.00	-13.21	15.97	3	Horizontal	136	1.76	-
AV	15.60875G	47.63	54.00	-6.37	15.97	3	Horizontal	136	1.76	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5290MHz_TX



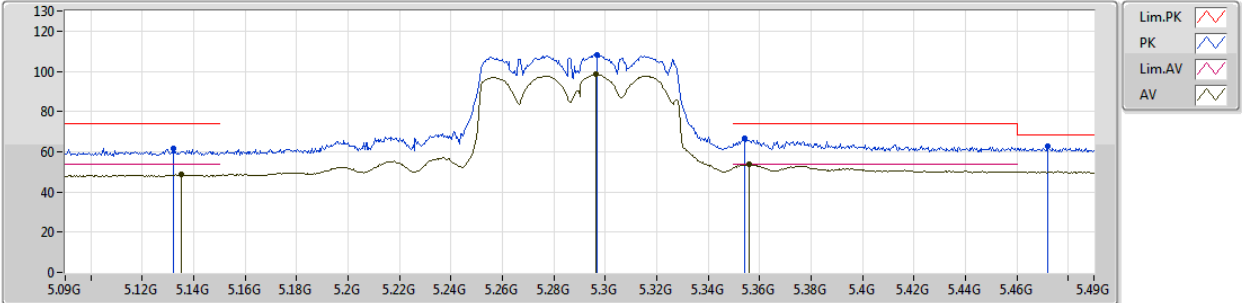
EUT Z_2TX
Setting 17.5
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.14G	60.91	74.00	-13.09	7.84	3	Vertical	298	1.49	-
AV	5.1188G	48.08	54.00	-5.92	7.82	3	Vertical	298	1.49	-
PK	5.3032G	104.24	Inf	-Inf	8.33	3	Vertical	298	1.49	-
AV	5.3024G	94.64	Inf	-Inf	8.33	3	Vertical	298	1.49	-
PK	5.358G	64.80	74.00	-9.20	8.59	3	Vertical	298	1.49	-
AV	5.3596G	51.67	54.00	-2.33	8.60	3	Vertical	298	1.49	-
PK	5.4756G	62.10	68.20	-6.10	9.07	3	Vertical	298	1.49	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5290MHz_TX



EUT_Z_2TX
Setting 17.5
04-B-4-10
FSP(100304)

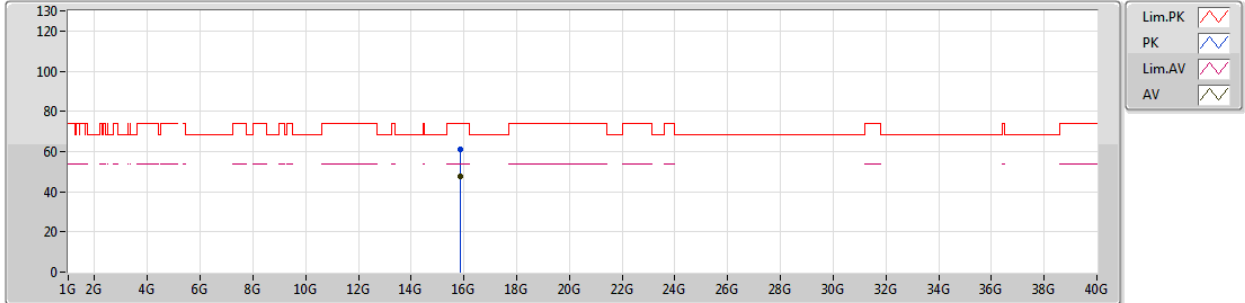
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.132G	61.44	74.00	-12.56	7.83	3	Horizontal	284	1.04	-
AV	5.1352G	48.53	54.00	-5.47	7.84	3	Horizontal	284	1.04	-
PK	5.2968G	108.24	Inf	-Inf	8.30	3	Horizontal	284	1.04	-
AV	5.2964G	98.43	Inf	-Inf	8.30	3	Horizontal	284	1.04	-
PK	5.354G	66.57	74.00	-7.43	8.58	3	Horizontal	284	1.04	-
AV	5.356G	53.86	54.00	-0.14	8.59	3	Horizontal	284	1.04	-
PK	5.472G	62.54	68.20	-5.66	9.06	3	Horizontal	284	1.04	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5290MHz_TX



EUT_Z_2TX
Setting 17.5
04-B-4
FSP(100304)

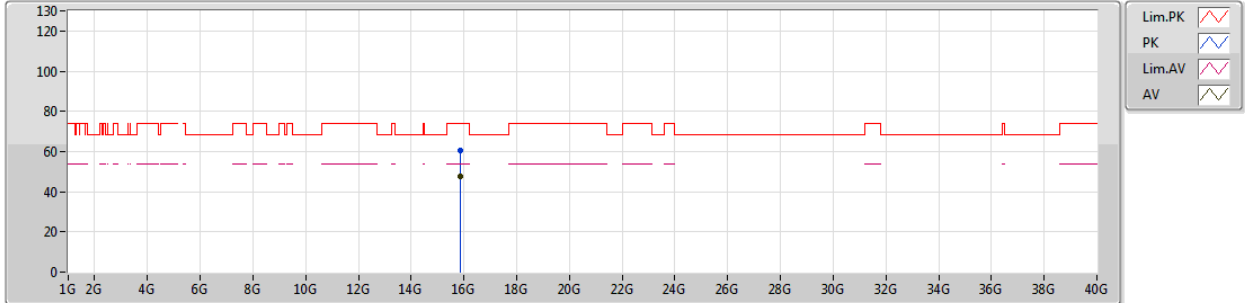
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.88335G	61.00	74.00	-13.00	15.81	3	Vertical	147	1.72	-
AV	15.8783G	47.74	54.00	-6.26	15.83	3	Vertical	147	1.72	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5290MHz_TX



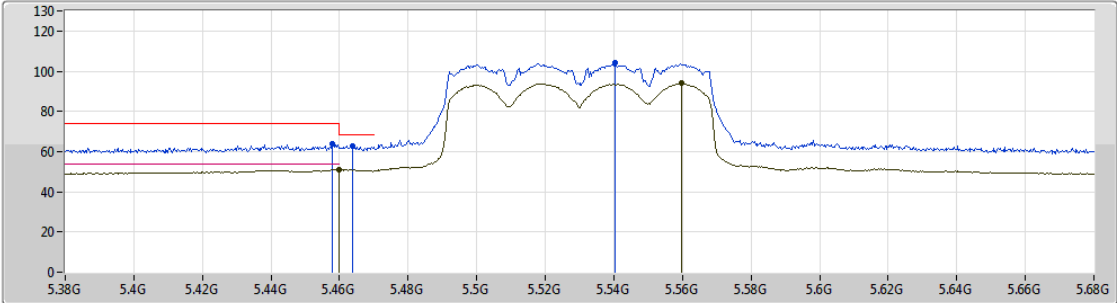
EUT_Z_2TX
Setting 17.5
04-B-4
FSP(100304)




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.8772G	60.77	74.00	-13.23	15.83	3	Horizontal	338	2.39	-
AV	15.88335G	47.45	54.00	-6.55	15.81	3	Horizontal	338	2.39	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5530MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

EUT_Z_2TX
 Setting 16
 04-B-4-10
 FSP(100304)

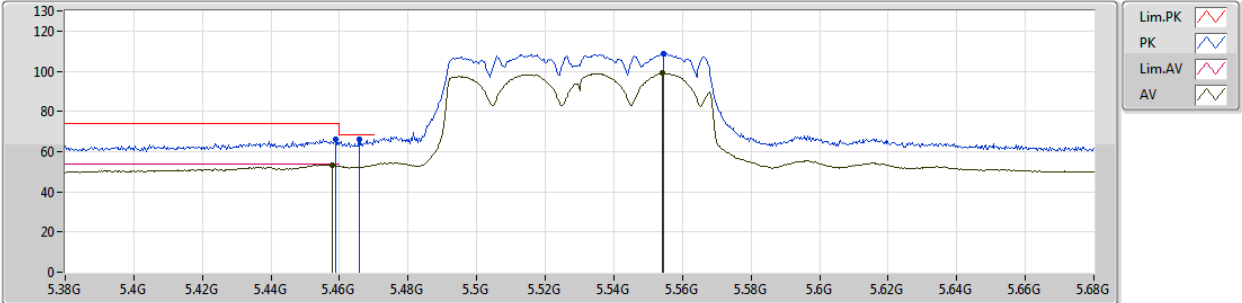
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.458G	63.87	74.00	-10.13	9.01	3	Vertical	289	1.50	-
AV	5.4598G	51.12	54.00	-2.88	9.02	3	Vertical	289	1.50	-
PK	5.4637G	62.82	68.20	-5.38	9.03	3	Vertical	289	1.50	-
PK	5.5405G	104.00	Inf	-Inf	9.23	3	Vertical	289	1.50	-
AV	5.5597G	93.91	Inf	-Inf	9.26	3	Vertical	289	1.50	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5530MHz_TX



EUT_Z_2TX
Setting 16
04-B-4-10
FSP(100304)

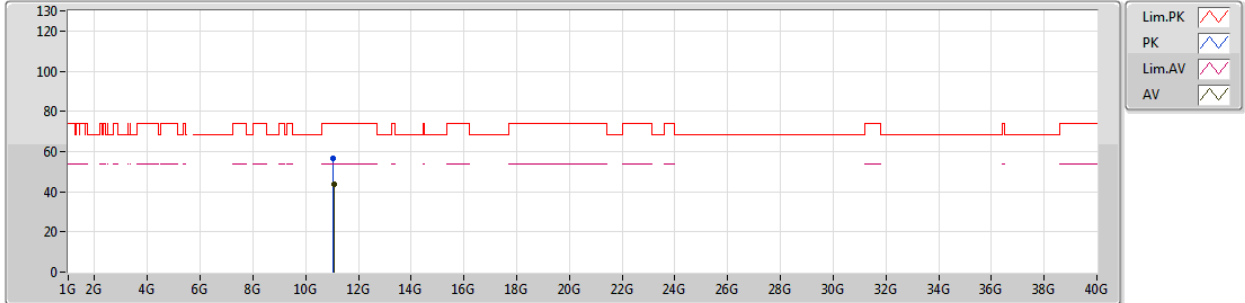
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4589G	65.91	74.00	-8.09	9.02	3	Horizontal	281	1.01	-
AV	5.458G	53.36	54.00	-0.64	9.01	3	Horizontal	281	1.01	-
PK	5.4658G	66.29	68.20	-1.91	9.04	3	Horizontal	281	1.01	-
PK	5.5546G	108.81	Inf	-Inf	9.25	3	Horizontal	281	1.01	-
AV	5.554G	98.96	Inf	-Inf	9.25	3	Horizontal	281	1.01	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5530MHz_TX



EUT_Z_2TX
Setting 16
04-B-4
FSP(100304)

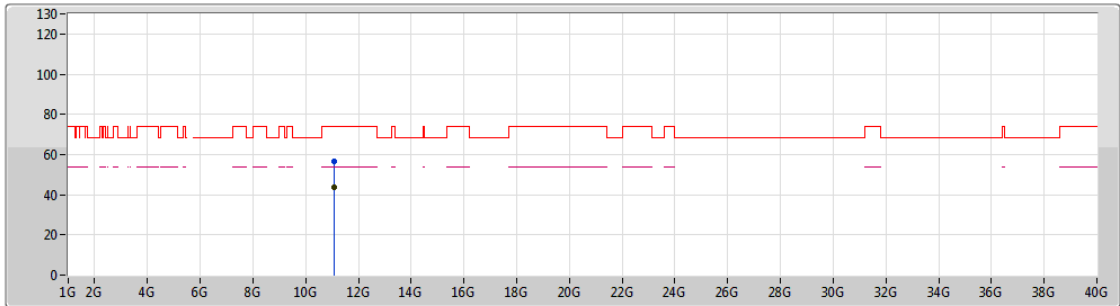
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.04995G	56.53	74.00	-17.47	15.32	3	Vertical	250	1.61	-
AV	11.07085G	43.62	54.00	-10.38	15.32	3	Vertical	250	1.61	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5530MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

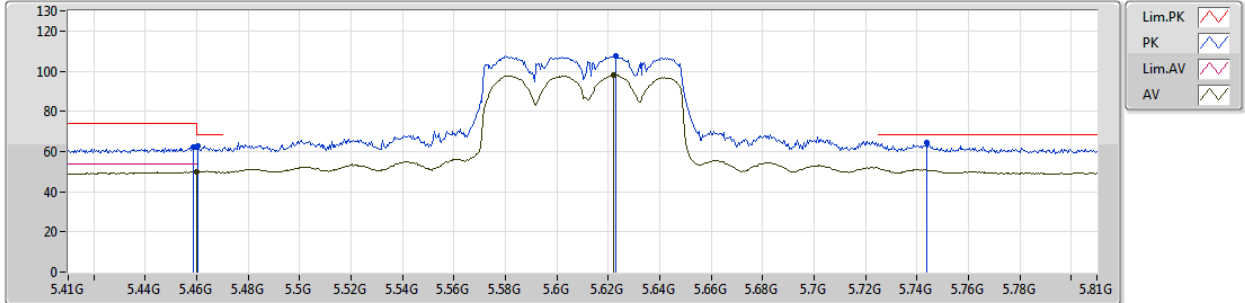
EUT_Z_2TX
 Setting 16
 04-B-4
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.07695G	56.37	74.00	-17.63	15.32	3	Horizontal	313	1.29	-
AV	11.0755G	43.44	54.00	-10.56	15.32	3	Horizontal	313	1.29	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5610MHz_TX



EUT_Z_2TX
Setting 20
04-B-4-10
FSP(100304)

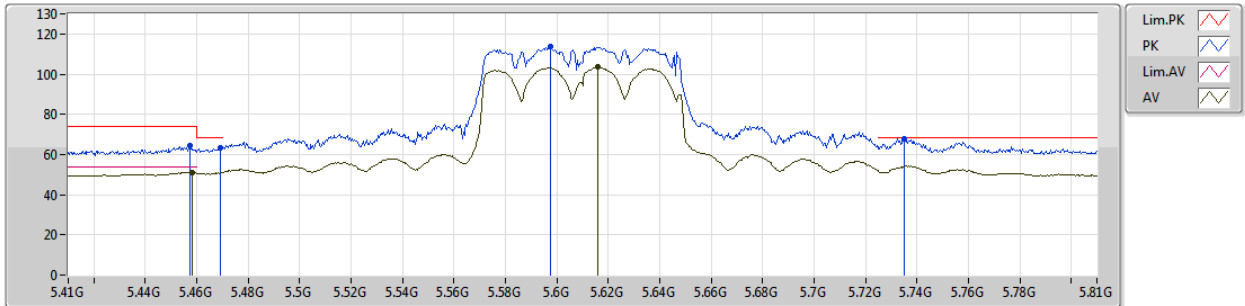
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4588G	61.95	74.00	-12.05	9.02	3	Vertical	295	1.50	-
AV	5.46G	49.98	54.00	-4.02	9.02	3	Vertical	295	1.50	-
PK	5.4604G	62.87	68.20	-5.33	9.02	3	Vertical	295	1.50	-
PK	5.6228G	107.85	Inf	-Inf	9.32	3	Vertical	295	1.50	-
AV	5.622G	98.14	Inf	-Inf	9.32	3	Vertical	295	1.50	-
PK	5.744G	64.31	68.20	-3.89	9.36	3	Vertical	295	1.50	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5610MHz_TX



EUT_Z_2TX
Setting 20
04-B-4-10
FSP(100304)

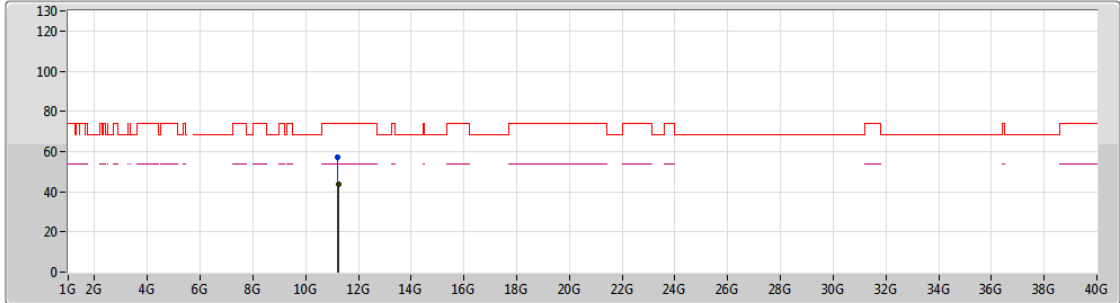
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4572G	64.22	74.00	-9.78	9.01	3	Horizontal	280	1.03	-
AV	5.4584G	51.10	54.00	-2.90	9.01	3	Horizontal	280	1.03	-
PK	5.4692G	63.42	68.20	-4.78	9.06	3	Horizontal	280	1.03	-
PK	5.5976G	113.65	Inf	-Inf	9.32	3	Horizontal	280	1.03	-
AV	5.616G	103.55	Inf	-Inf	9.32	3	Horizontal	280	1.03	-
PK	5.7352G	67.95	68.20	-0.25	9.35	3	Horizontal	280	1.03	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5610MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Z_2TX
 Setting 20
 04-B-4
 FSP(100304)

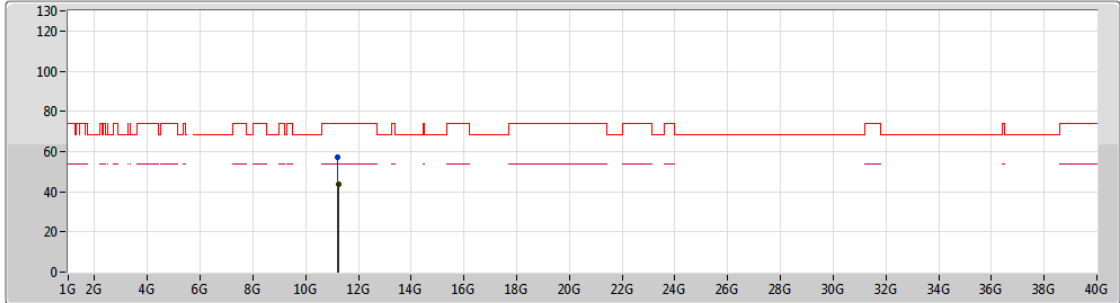
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.20745G	57.05	74.00	-16.95	15.29	3	Vertical	112	1.55	-
AV	11.2364G	43.51	54.00	-10.49	15.28	3	Vertical	112	1.55	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5610MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

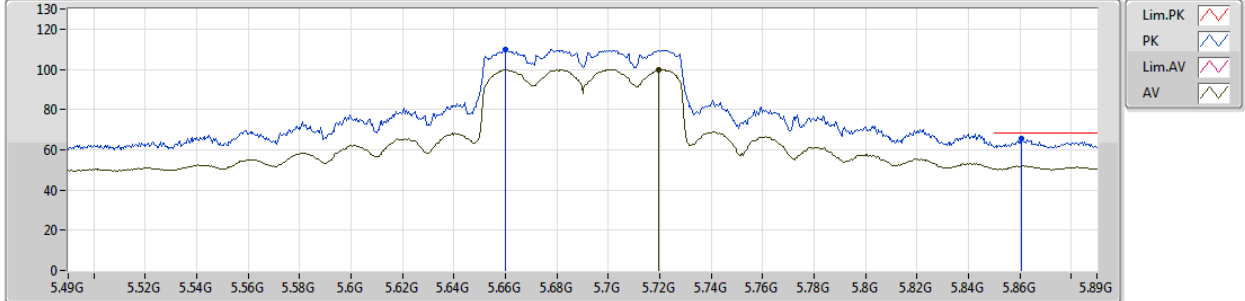
EUT_Z_2TX
 Setting 20
 04-B-4
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.20145G	57.26	74.00	-16.74	15.28	3	Horizontal	15	2.35	-
AV	11.23495G	43.62	54.00	-10.38	15.28	3	Horizontal	15	2.35	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5690MHz Straddle 5.47-5.725GHz_TX



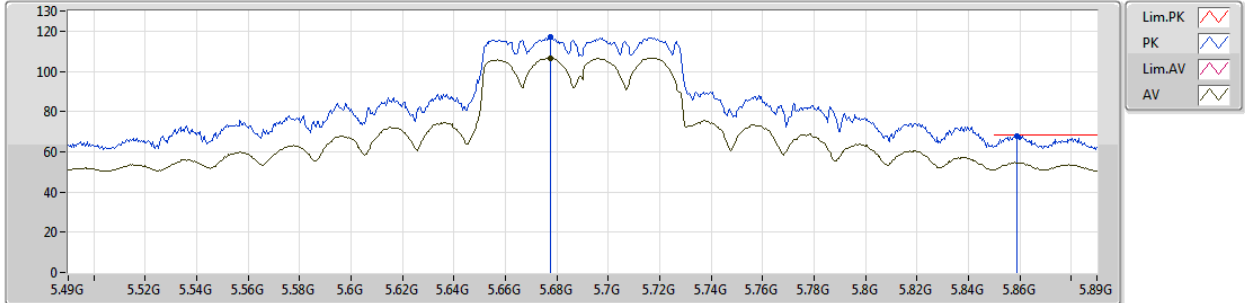
EUT_Z_2TX
Setting 22.5
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.66G	109.88	Inf	-Inf	9.32	3	Vertical	288	1.50	-
AV	5.7196G	99.80	Inf	-Inf	9.34	3	Vertical	288	1.50	-
PK	5.8608G	65.46	68.20	-2.74	9.79	3	Vertical	288	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5690MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 22.5
04-B-4-10
FSP(100304)

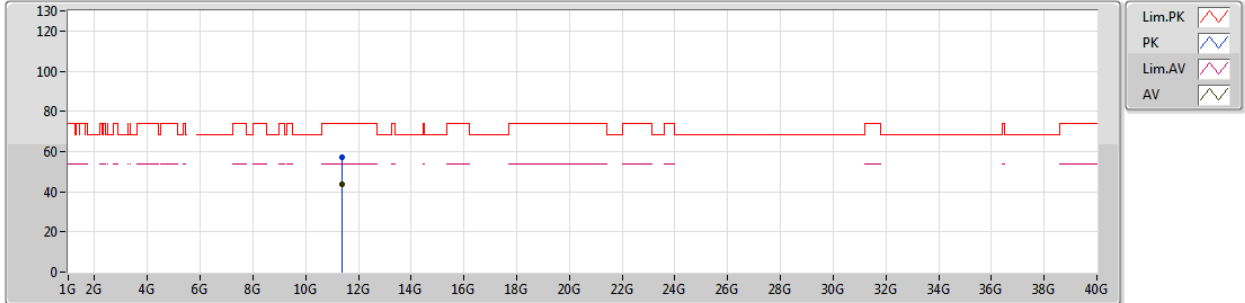
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6776G	117.29	Inf	-Inf	9.32	3	Horizontal	280	1.01	-
AV	5.6776G	106.74	Inf	-Inf	9.32	3	Horizontal	280	1.01	-
PK	5.8588G	67.98	68.20	-0.22	9.78	3	Horizontal	280	1.01	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5690MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 22.5
04-B-4
FSP(100304)

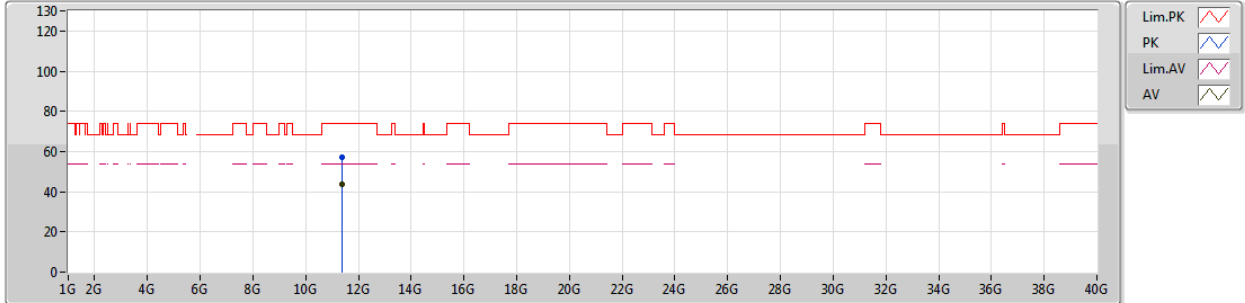
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.39675G	57.20	74.00	-16.80	15.24	3	Vertical	305	1.60	-
AV	11.3704G	43.69	54.00	-10.31	15.23	3	Vertical	305	1.60	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5690MHz Straddle 5.47-5.725GHz_TX



EUT_Z_2TX
Setting 22.5
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.37655G	57.35	74.00	-16.65	15.24	3	Horizontal	83	1.32	-
AV	11.3719G	43.66	54.00	-10.34	15.23	3	Horizontal	83	1.32	-

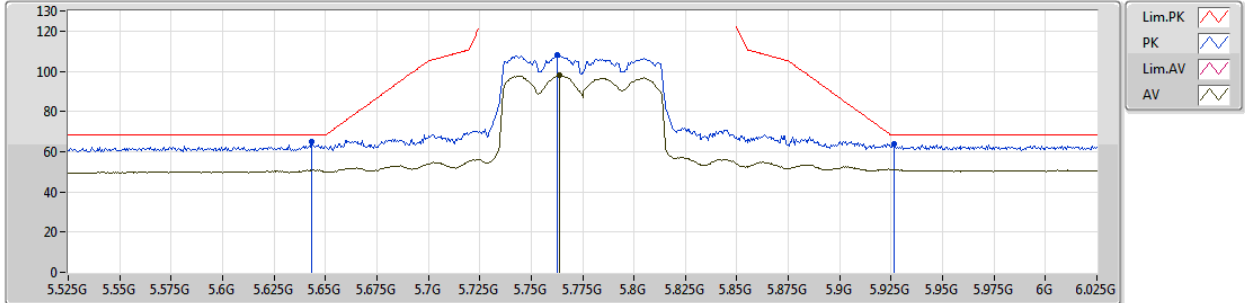


RSE TX above 1GHz Result

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5775MHz_TX



EUT_Z_2TX
Setting 20.5
04-B-4-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6435G	64.77	68.20	-3.43	9.32	3	Vertical	290	1.50	-
PK	5.7625G	108.16	Inf	-Inf	9.38	3	Vertical	290	1.50	-
AV	5.7635G	97.93	Inf	-Inf	9.38	3	Vertical	290	1.50	-
PK	5.9265G	63.80	68.20	-4.40	10.20	3	Vertical	290	1.50	-



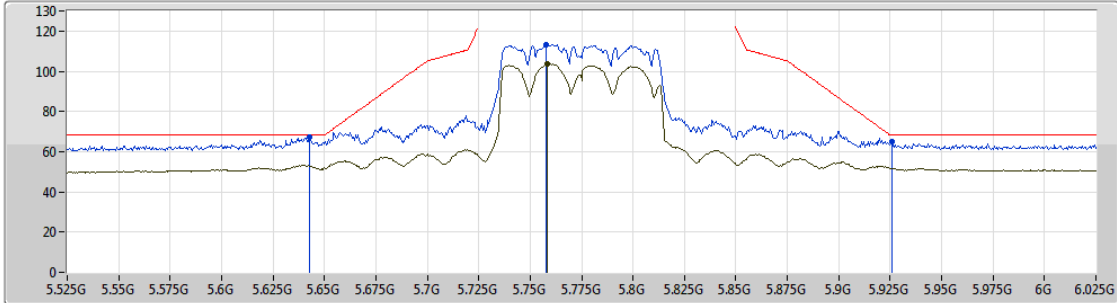
RSE TX above 1GHz Result

Appendix E.2

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5775MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

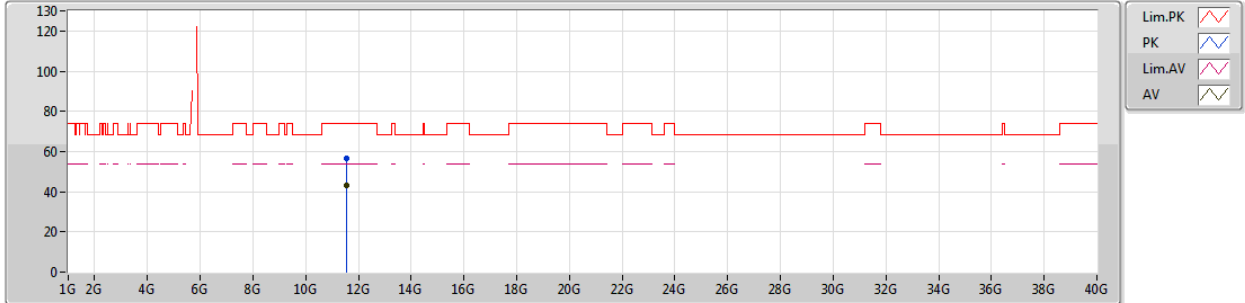
EUT_Z_2TX
 Setting 20.5
 04-B-4-10
 FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.643G	67.37	68.20	-0.83	9.32	3	Horizontal	282	1.03	-
PK	5.758G	113.37	Inf	-Inf	9.38	3	Horizontal	282	1.03	-
AV	5.7585G	103.50	Inf	-Inf	9.38	3	Horizontal	282	1.03	-
PK	5.926G	64.81	68.20	-3.39	10.20	3	Horizontal	282	1.03	-

802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5775MHz_TX



EUT_Z_2TX
Setting 20.5
04-B-4
FSP(100304)

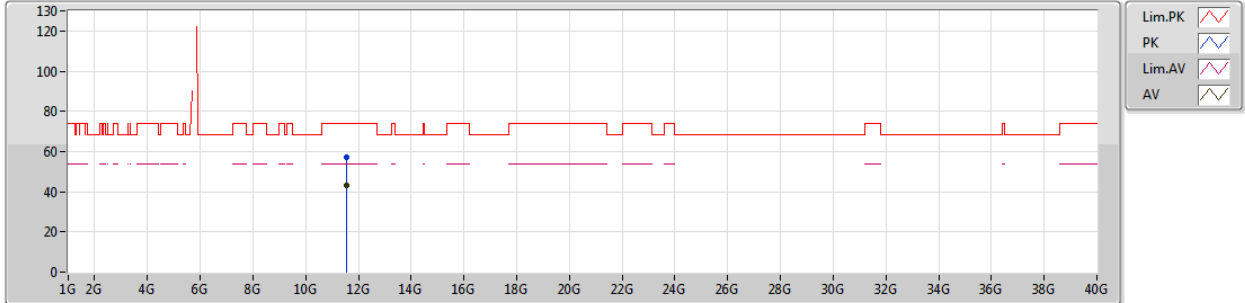
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.5539G	56.40	74.00	-17.60	15.19	3	Vertical	169	1.75	-
AV	11.5719G	43.15	54.00	-10.85	15.19	3	Vertical	169	1.75	-



802.11ac VHT80_Nss1,(MCS0)_2TX

27/03/2019

5775MHz_TX



EUT_Z_2TX
Setting 20.5
04-B-4
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.5627G	57.23	74.00	-16.77	15.18	3	Horizontal	146	1.34	-
AV	11.56545G	42.98	54.00	-11.02	15.19	3	Horizontal	146	1.34	-



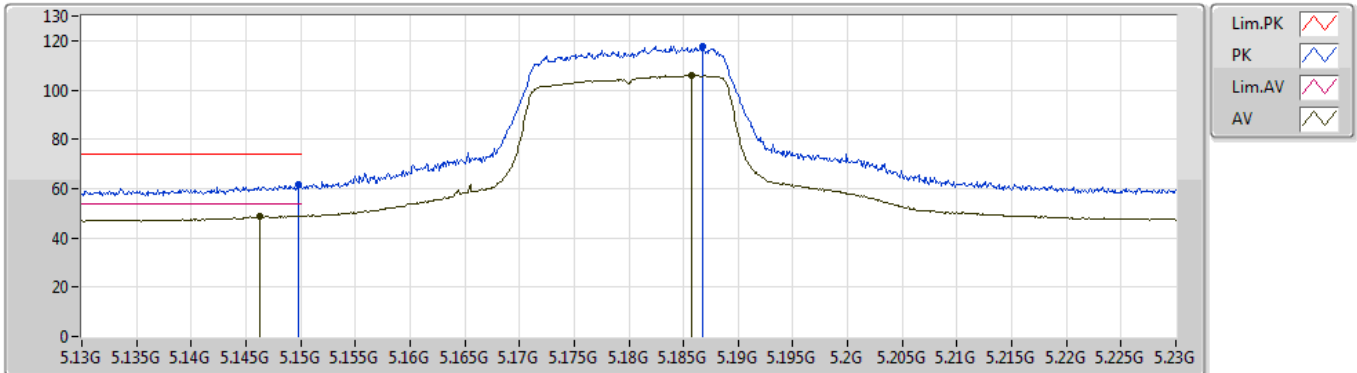
For beamforming mode
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.72	54.00	-0.28	6.31	3	Vertical	147	2.66	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5180MHz_TX



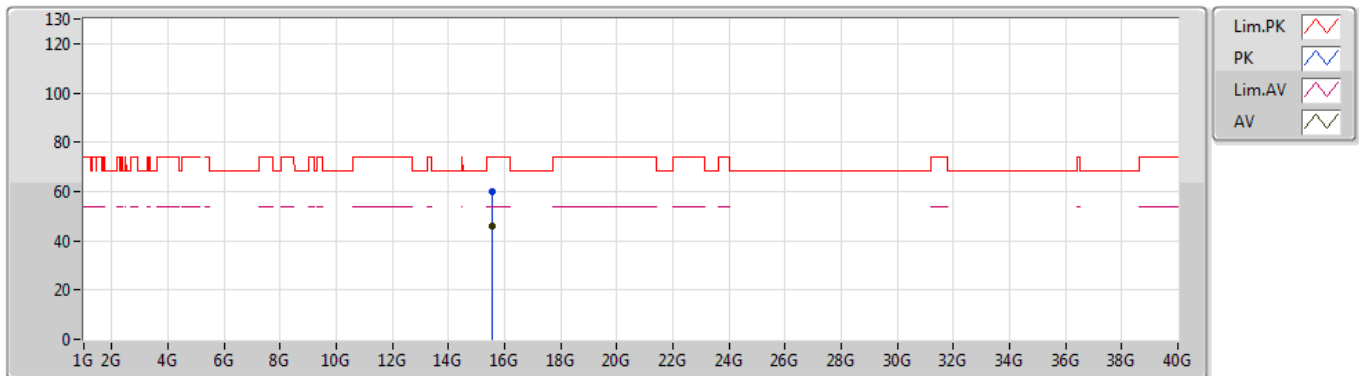
EUT_Z_2TX
Setting 23
03-B-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.1498G	61.58	74.00	-12.42	5.83	3	Vertical	344	1.38	-
AV	5.1463G	48.93	54.00	-5.07	5.83	3	Vertical	344	1.38	-
PK	5.1867G	117.83	Inf	-Inf	5.89	3	Vertical	344	1.38	-
AV	5.1858G	105.95	Inf	-Inf	5.89	3	Vertical	344	1.38	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5180MHz_TX



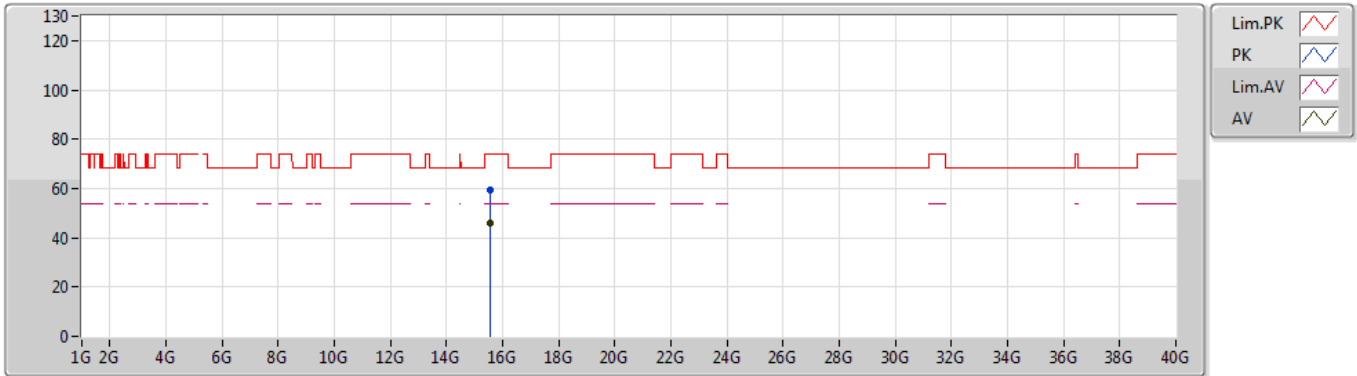
EUT Z_2TX
Setting 23
03-B-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	15.5442G	59.71	74.00	-14.29	15.25	3	Vertical	0	2.72	-
AV	15.54957G	46.10	54.00	-7.90	15.22	3	Vertical	0	2.72	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5180MHz_TX



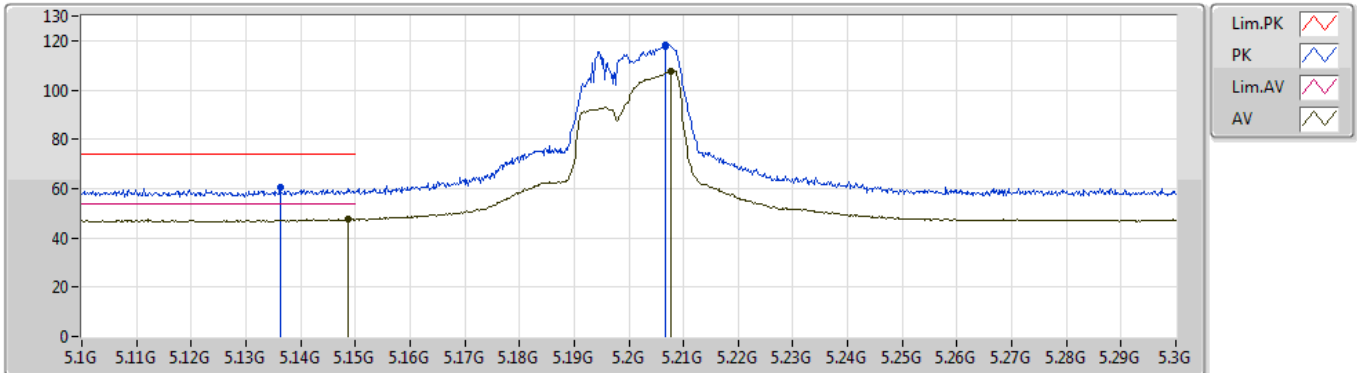
EUT Z_2TX
Setting 23
03-B-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	15.54998G	59.62	74.00	-14.38	15.22	3	Horizontal	72	2.45	-
AV	15.54809G	45.94	54.00	-8.06	15.23	3	Horizontal	72	2.45	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5200MHz_TX



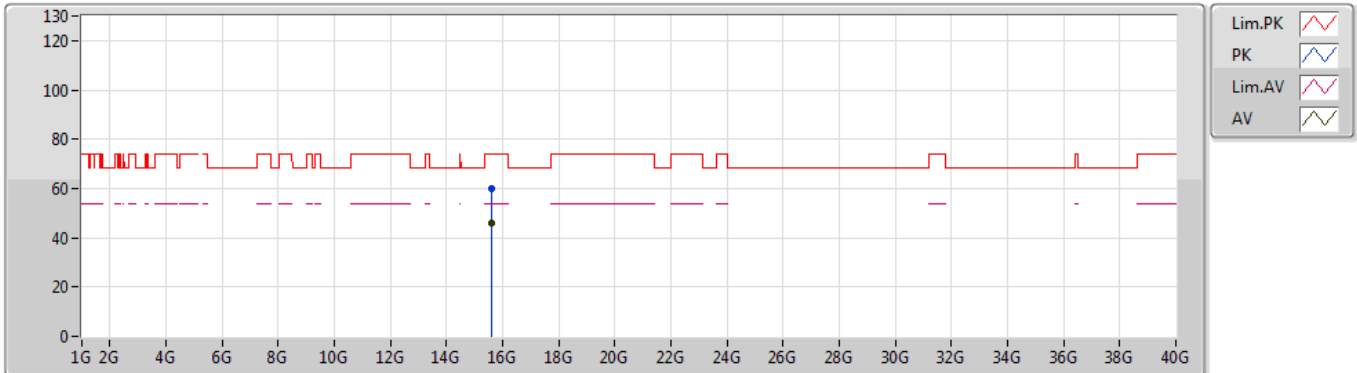
EUT Z_2TX
Setting 23
03-B-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.1362G	60.36	74.00	-13.64	5.81	3	Vertical	360	2.44	-
AV	5.1488G	47.55	54.00	-6.45	5.83	3	Vertical	360	2.44	-
PK	5.2066G	118.31	Inf	-Inf	5.93	3	Vertical	360	2.44	-
AV	5.2078G	107.60	Inf	-Inf	5.94	3	Vertical	360	2.44	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5200MHz_TX



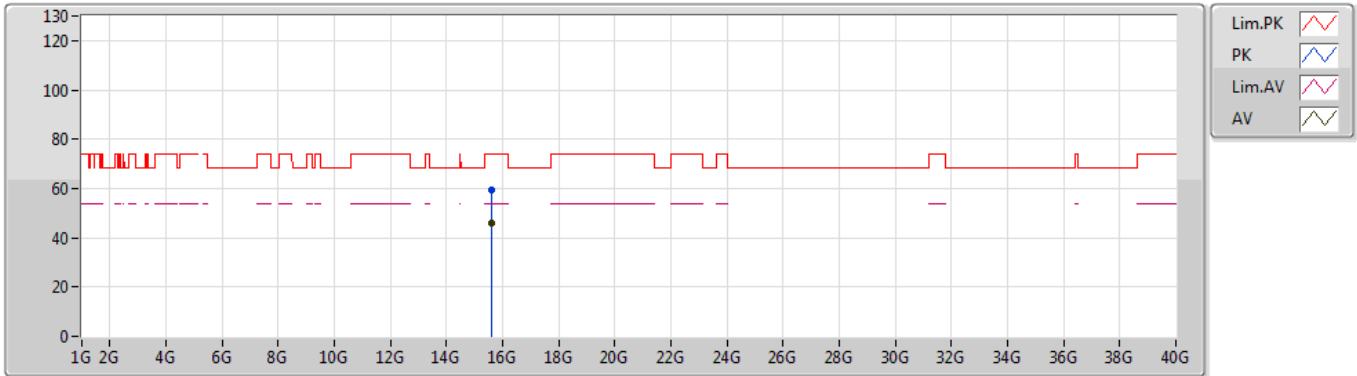
EUT Z_2TX
Setting 23
03-B-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	15.60326G	60.04	74.00	-13.96	15.02	3	Vertical	70	1.08	-
AV	15.5914G	46.02	54.00	-7.98	15.07	3	Vertical	70	1.08	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5200MHz_TX



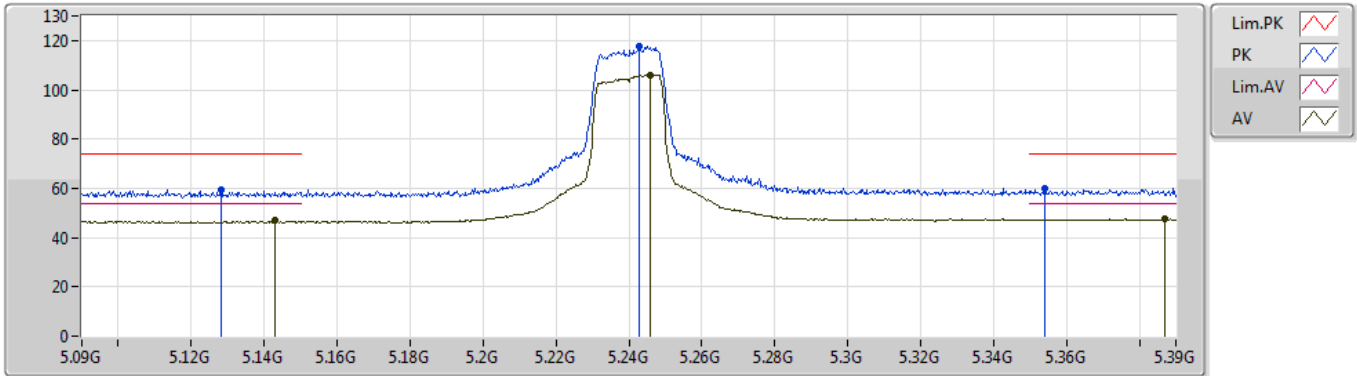
EUT Z_2TX
Setting 23
03-B-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	15.59172G	59.36	74.00	-14.64	15.06	3	Horizontal	135	1.54	-
AV	15.59352G	45.88	54.00	-8.12	15.06	3	Horizontal	135	1.54	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5240MHz_TX



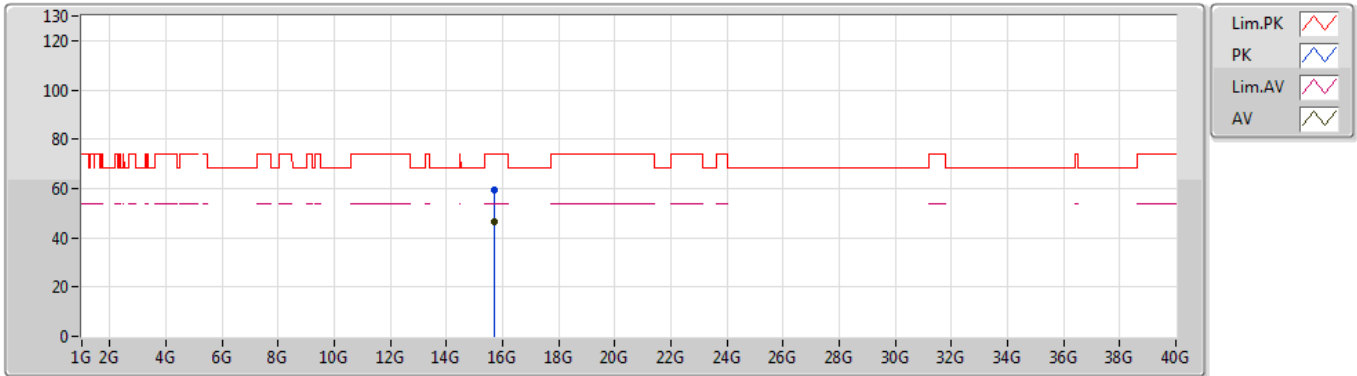
EUT_Z_2TX
Setting 23
03-B-4-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.1281G	59.36	74.00	-14.64	5.79	3	Vertical	355	2.23	-
AV	5.1431G	46.79	54.00	-7.21	5.81	3	Vertical	335	2.23	-
PK	5.2427G	117.69	Inf	-Inf	6.05	3	Vertical	335	2.23	-
AV	5.246G	106.07	Inf	-Inf	6.05	3	Vertical	335	2.23	-
PK	5.354G	60.07	74.00	-13.93	6.31	3	Vertical	335	2.23	-
AV	5.387G	47.49	54.00	-6.51	6.38	3	Vertical	335	2.23	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5240MHz_TX



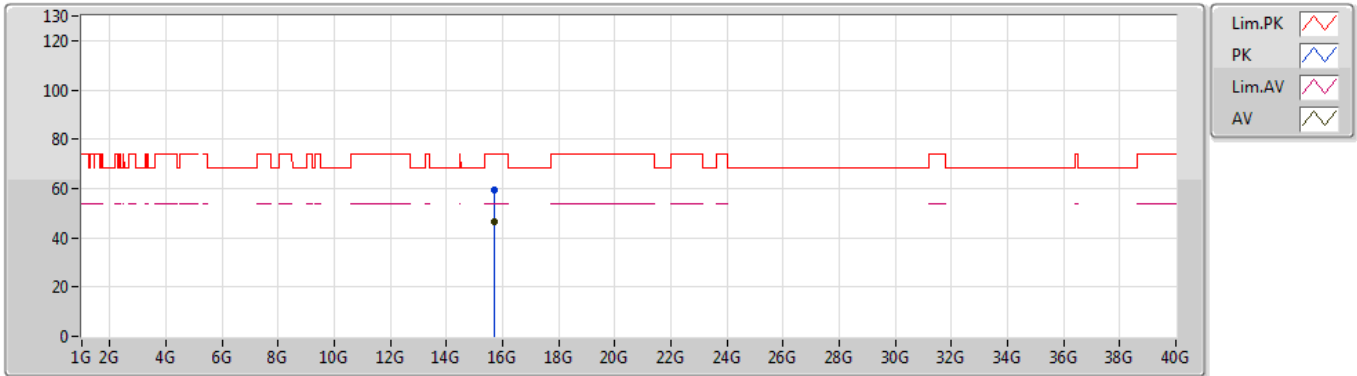
EUT Z_2TX
Setting 23
03-B-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	15.7203G	59.24	74.00	-14.76	14.58	3	Vertical	113	2.48	-
AV	15.72798G	46.36	54.00	-7.64	14.55	3	Vertical	113	2.48	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

17/05/2019

5240MHz_TX



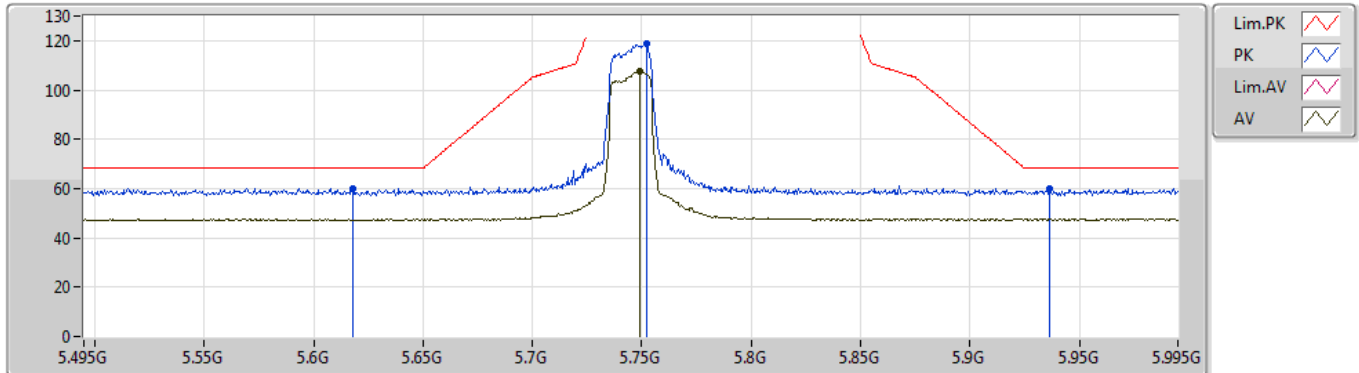
EUT Z_2TX
Setting 23
03-B-4
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	15.71994G	59.47	74.00	-14.53	14.58	3	Horizontal	181	2.12	-
AV	15.72645G	46.32	54.00	-7.68	14.55	3	Horizontal	181	2.12	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

20/05/2019

5745MHz_TX



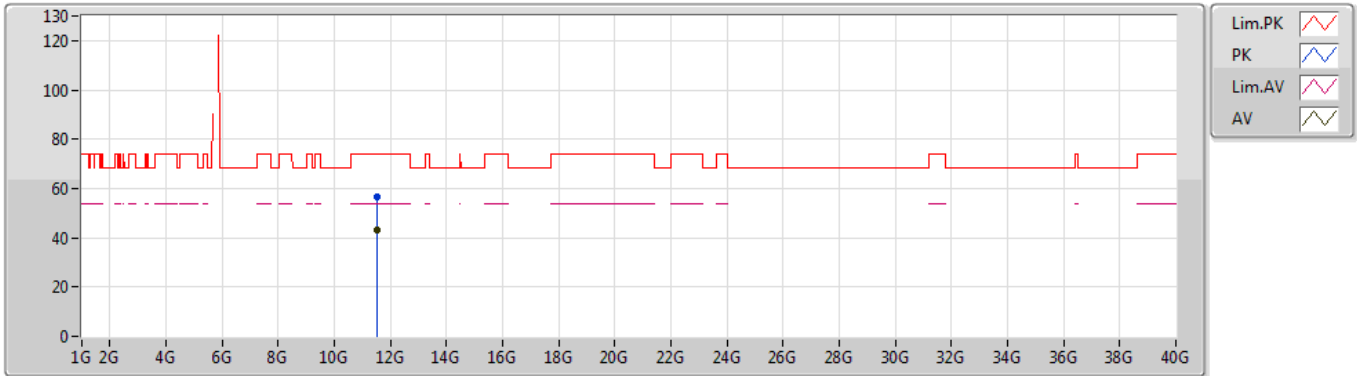
EUT_Z_2TX
Setting 23
03-C-5-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.618G	59.90	68.20	-8.30	6.37	3	Vertical	279	1.91	-
PK	5.7525G	118.87	Inf	-Inf	6.42	3	Vertical	279	1.91	-
AV	5.749G	107.32	Inf	-Inf	6.41	3	Vertical	279	1.91	-
PK	5.9365G	59.91	68.20	-8.29	6.86	3	Vertical	279	1.91	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

20/05/2019

5745MHz_TX



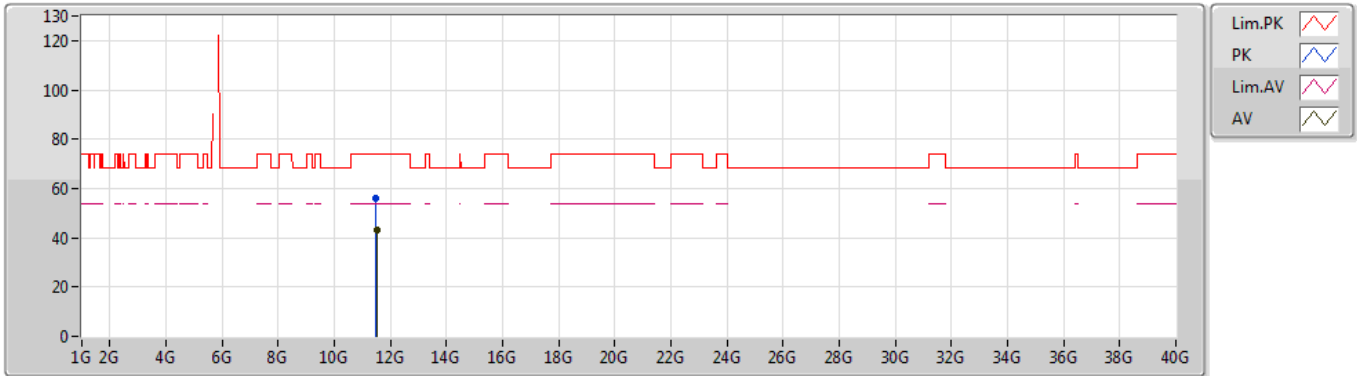
EUT Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.50089G	56.49	74.00	-17.51	14.43	3	Vertical	55	2.05	-
AV	11.50455G	43.12	54.00	-10.88	14.43	3	Vertical	55	2.05	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

20/05/2019

5745MHz_TX



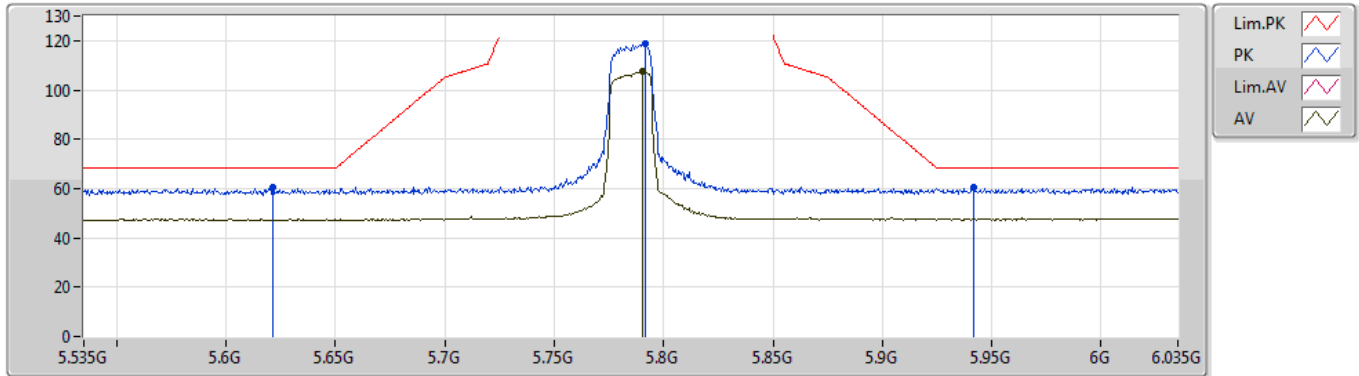
EUT Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.47869G	55.98	74.00	-18.02	14.41	3	Horizontal	312	2.04	-
AV	11.50461G	42.98	54.00	-11.02	14.43	3	Horizontal	312	2.04	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

21/05/2019

5785MHz_TX



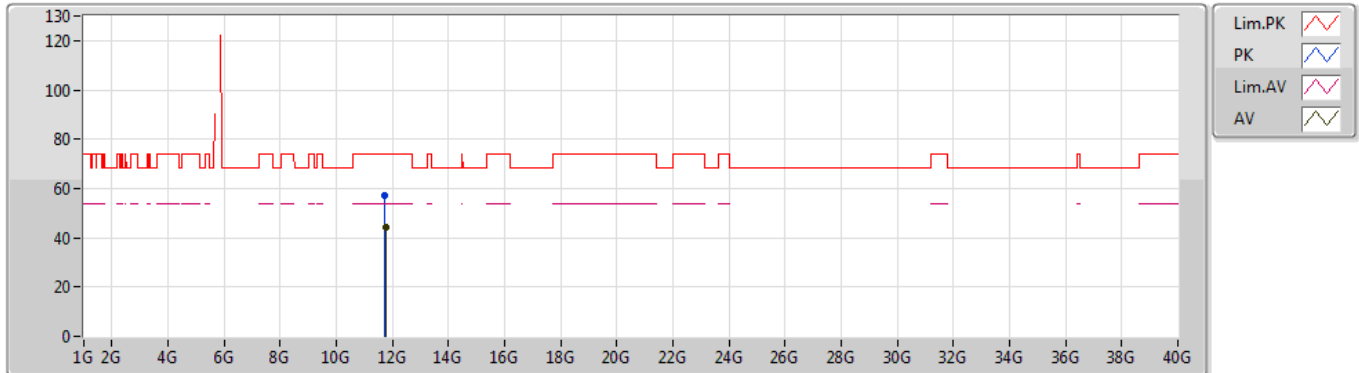
EUT_Z_2TX
Setting 23
03-C-5-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.6215G	60.56	68.20	-7.64	6.37	3	Vertical	283	1.89	-
PK	5.7915G	118.71	Inf	-Inf	6.45	3	Vertical	283	1.89	-
AV	5.7905G	107.35	Inf	-Inf	6.45	3	Vertical	283	1.89	-
PK	5.9415G	60.63	68.20	-7.57	6.87	3	Vertical	283	1.89	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

21/05/2019

5785MHz_TX



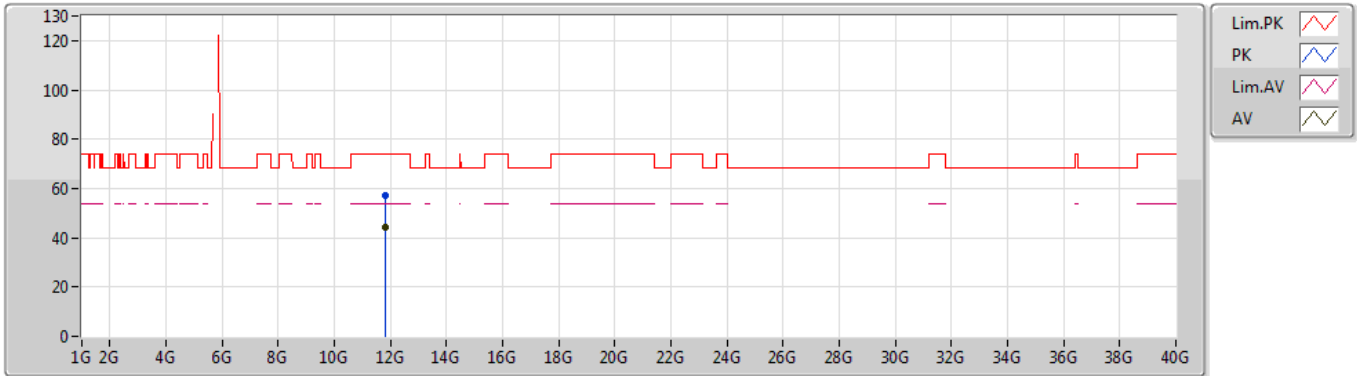
EUT Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.722G	57.26	74.00	-16.74	14.64	3	Vertical	148	1.80	-
AV	11.78G	44.14	54.00	-9.86	14.71	3	Vertical	148	1.80	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

21/05/2019

5785MHz_TX



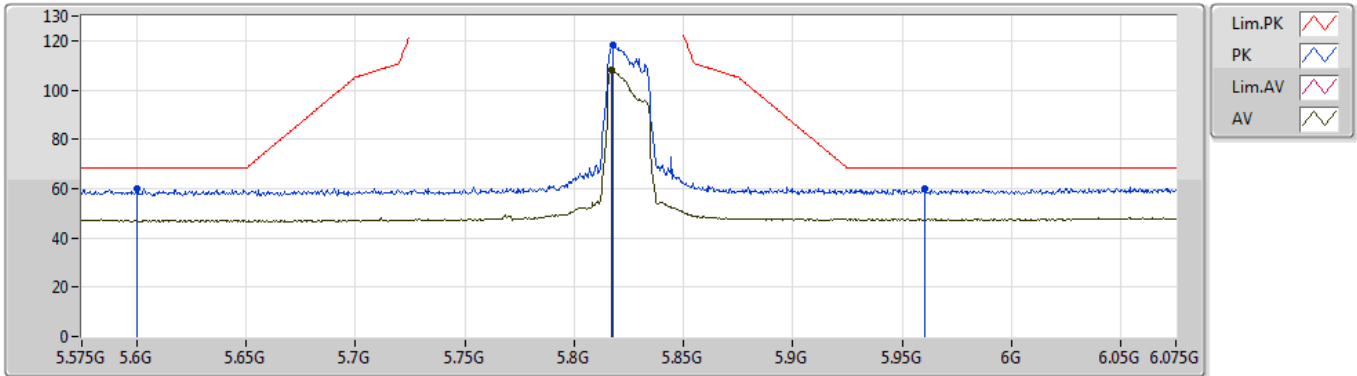
EUT_Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.818G	56.92	74.00	-17.08	14.73	3	Horizontal	303	1.76	-
AV	11.8145G	44.05	54.00	-9.95	14.73	3	Horizontal	303	1.76	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

21/05/2019

5825MHz_TX



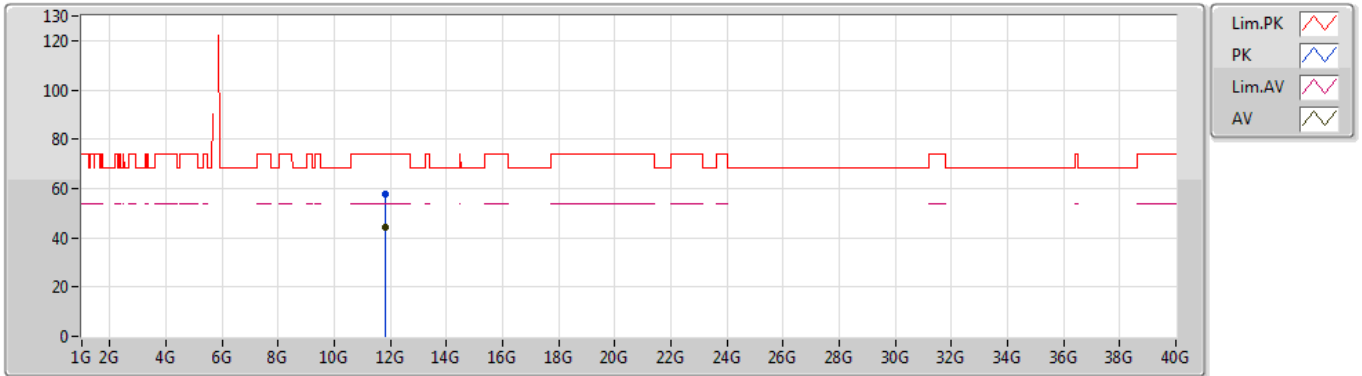
EUT_Z_2TX
Setting 23
03-C-5-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.6005G	59.73	68.20	-8.47	6.37	3	Vertical	329	2.49	-
PK	5.8175G	118.50	Inf	-Inf	6.50	3	Vertical	329	2.49	-
AV	5.817G	108.20	Inf	-Inf	6.50	3	Vertical	329	2.49	-
PK	5.9605G	59.93	68.20	-8.27	6.93	3	Vertical	329	2.49	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

21/05/2019

5825MHz_TX



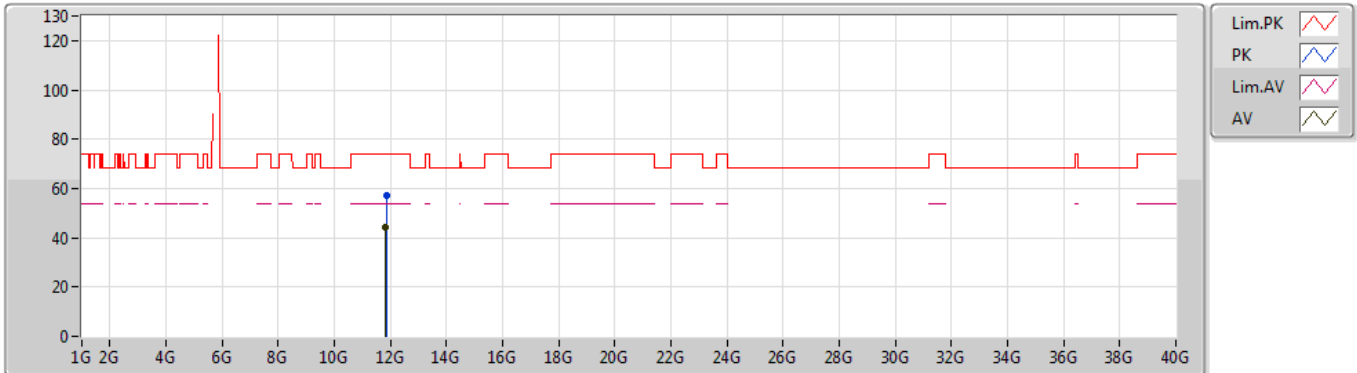
EUT_Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.8195G	57.54	74.00	-16.46	14.73	3	Vertical	358	1.12	-
AV	11.8255G	44.07	54.00	-9.93	14.74	3	Vertical	358	1.12	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

21/05/2019

5825MHz_TX



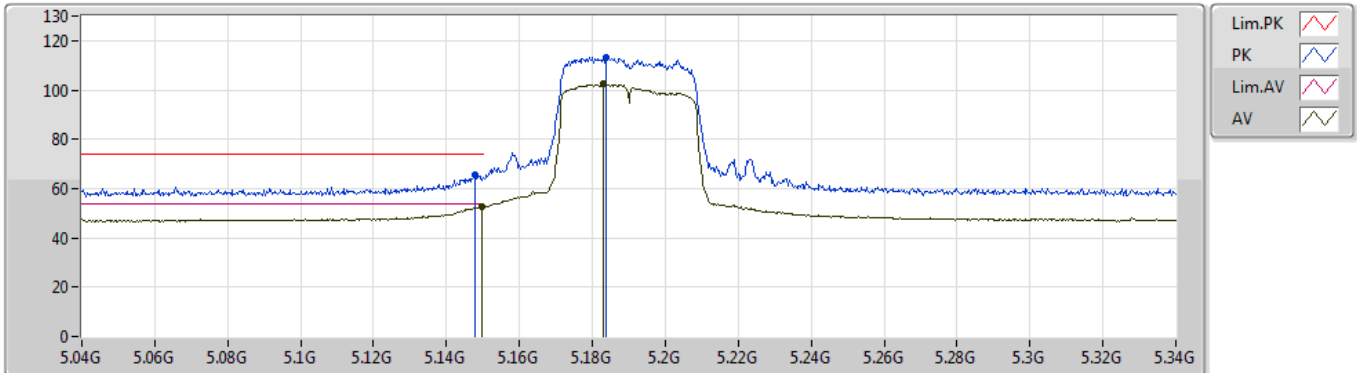
EUT_Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.872G	56.99	74.00	-17.01	14.78	3	Horizontal	297	2.25	-
AV	11.8115G	44.10	54.00	-9.90	14.73	3	Horizontal	297	2.25	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

17/05/2019

5190MHz_TX



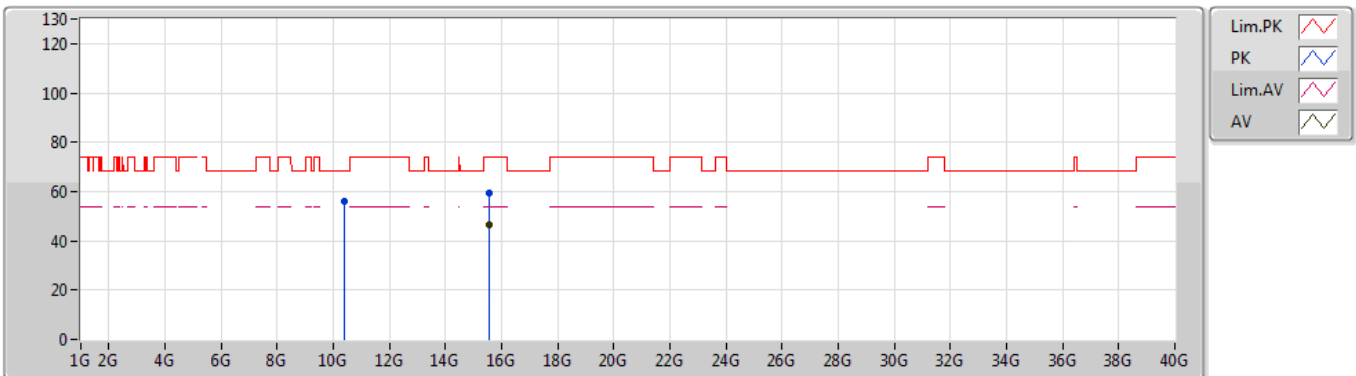
EUT_Z_2TX
Setting 21
03-P-2-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.1477G	65.82	74.00	-8.18	5.83	3	Vertical	190	1.98	-
AV	5.1498G	52.66	54.00	-1.34	5.83	3	Vertical	190	1.98	-
PK	5.1837G	113.22	Inf	-Inf	5.88	3	Vertical	190	1.98	-
AV	5.1831G	102.32	Inf	-Inf	5.88	3	Vertical	190	1.98	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

17/05/2019

5190MHz_TX



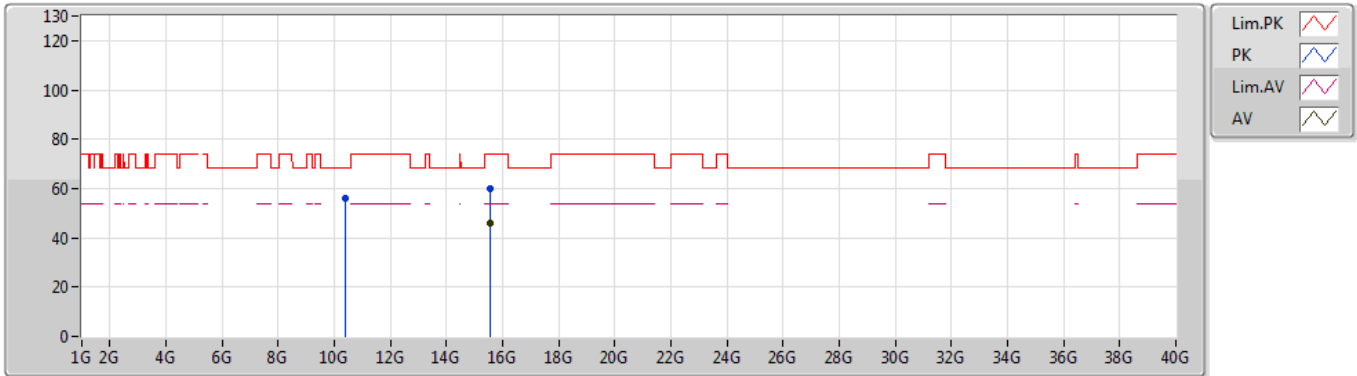
EUT Z_2TX
 Setting 21
 03-P-2
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	10.3823G	56.24	68.20	-11.96	13.11	3	Vertical	248	2.27	-
PK	15.56626G	59.54	74.00	-14.46	15.15	3	Vertical	216	1.57	-
AV	15.57401G	46.36	54.00	-7.64	15.14	3	Vertical	216	1.57	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

17/05/2019

5190MHz_TX



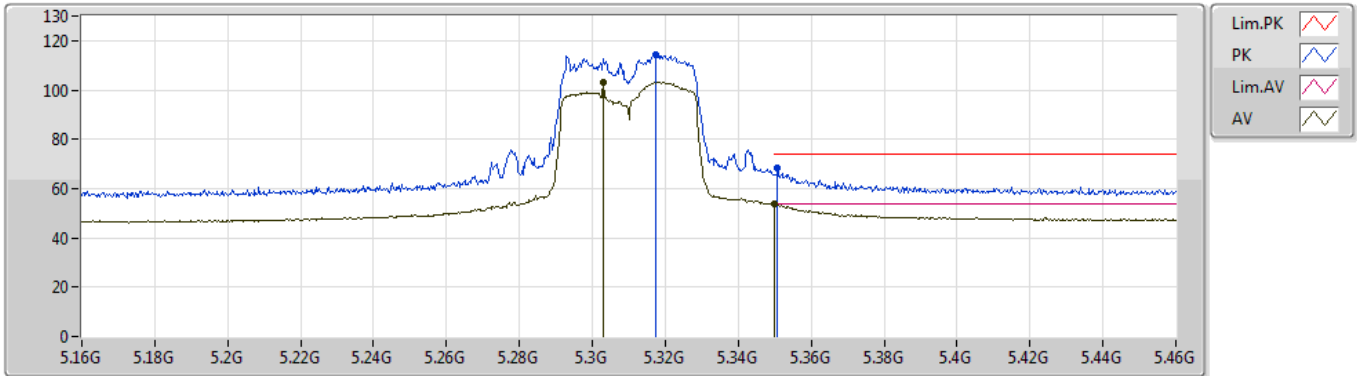
EUT Z_2TX
Setting 21
03-P-2
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	10.37766G	56.22	68.20	-11.98	13.11	3	Horizontal	21	1.96	-
PK	15.57184G	59.74	74.00	-14.26	15.14	3	Horizontal	268	1.35	-
AV	15.57216G	46.19	54.00	-7.81	15.14	3	Horizontal	268	1.35	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

17/05/2019

5230MHz_TX



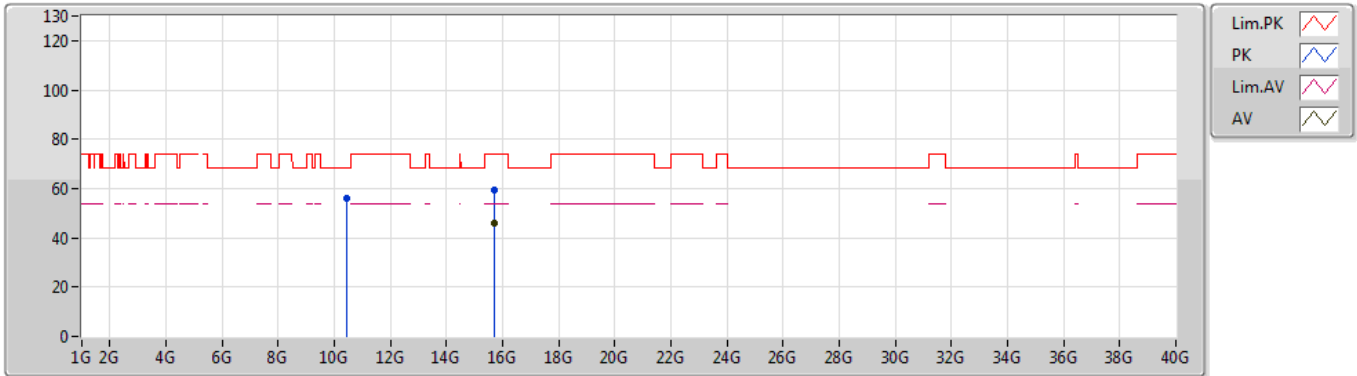
EUT Z_2TX
Setting 22
03-P-2-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.3175G	114.37	Inf	-Inf	6.26	3	Vertical	147	2.66	-
AV	5.3031G	103.26	Inf	-Inf	6.22	3	Vertical	147	2.66	-
PK	5.3508G	68.59	74.00	-5.41	6.31	3	Vertical	147	2.66	-
AV	5.35G	53.72	54.00	-0.28	6.31	3	Vertical	147	2.66	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

17/05/2019

5230MHz_TX



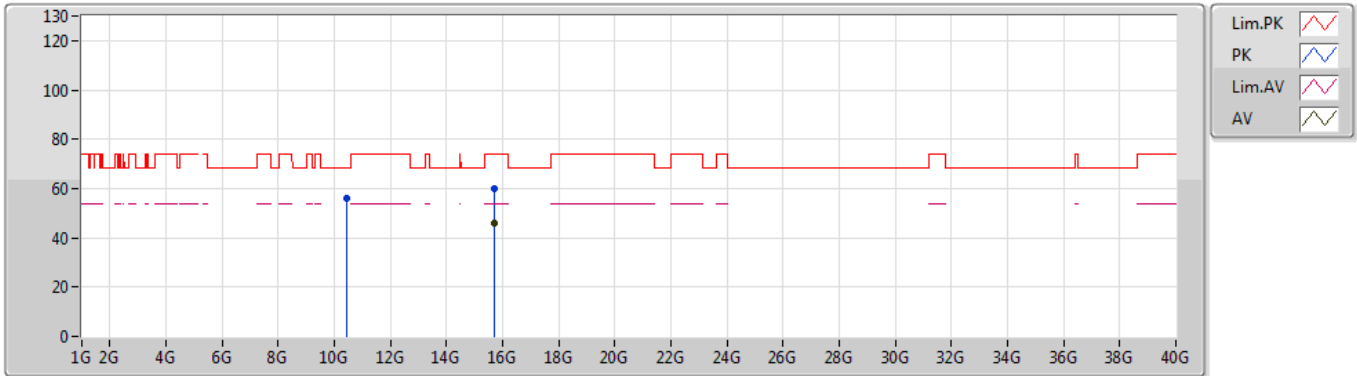
EUT Z_2TX
Setting 22
03-P-2
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	10.46266G	55.86	68.20	-12.34	13.21	3	Vertical	237	1.72	-
PK	15.69393G	59.20	74.00	-14.80	14.68	3	Vertical	234	1.89	-
AV	15.69197G	45.88	54.00	-8.12	14.68	3	Vertical	234	1.89	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

17/05/2019

5230MHz_TX



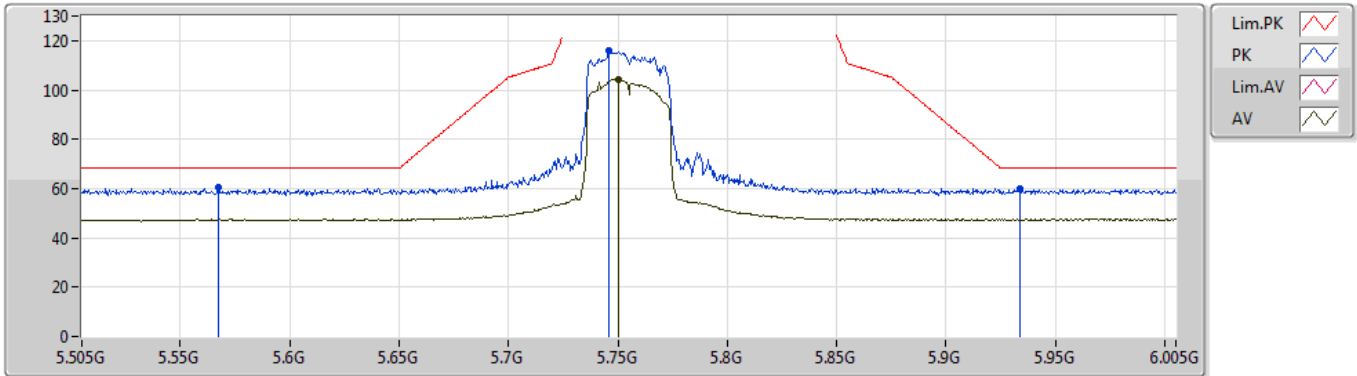
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Setting 22
03-P-2
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	10.4616G	56.29	68.20	-11.91	13.21	3	Horizontal	106	1.06	-
PK	15.68522G	59.80	74.00	-14.20	14.70	3	Horizontal	301	2.38	-
AV	15.6946G	45.85	54.00	-8.15	14.68	3	Horizontal	301	2.38	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

21/05/2019

5755MHz_TX



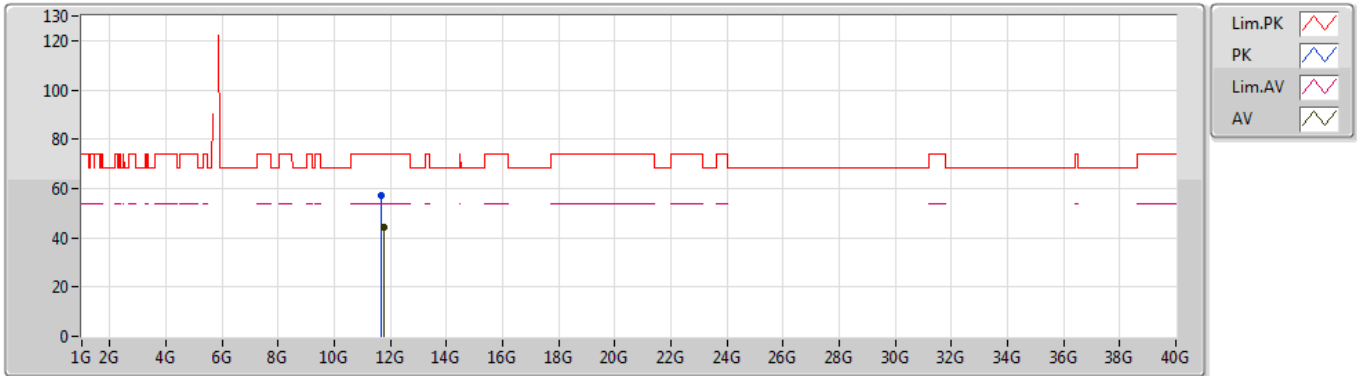
EUT_Z_2TX
Setting 23
03-C-5-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.5675G	60.67	68.20	-7.53	6.40	3	Vertical	280	1.87	-
PK	5.746G	115.89	Inf	-Inf	6.41	3	Vertical	280	1.87	-
AV	5.75G	104.09	Inf	-Inf	6.41	3	Vertical	280	1.87	-
PK	5.934G	59.90	68.20	-8.30	6.84	3	Vertical	280	1.87	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

21/05/2019

5755MHz_TX



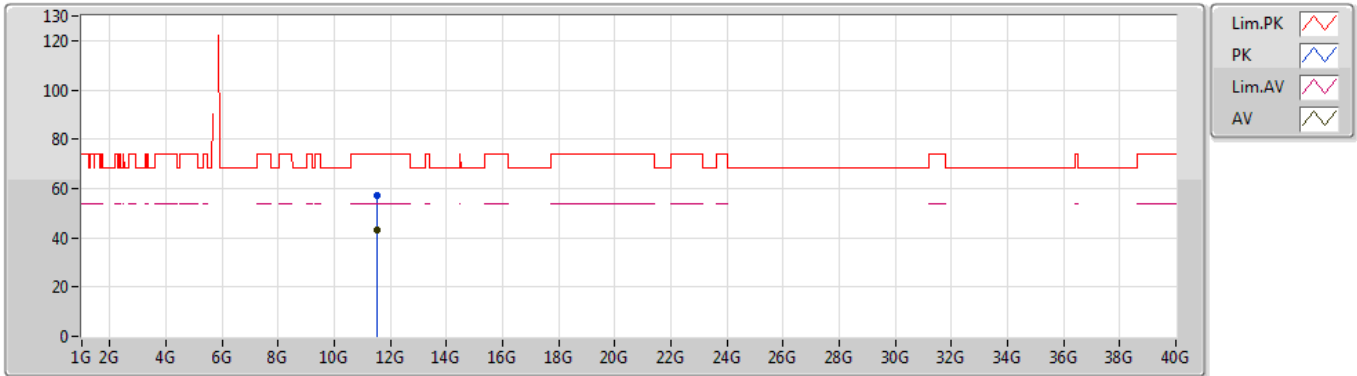
EUT Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.683G	56.92	74.00	-17.08	14.60	3	Vertical	55	1.56	-
AV	11.7565G	44.09	54.00	-9.91	14.68	3	Vertical	55	1.56	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

21/05/2019

5755MHz_TX



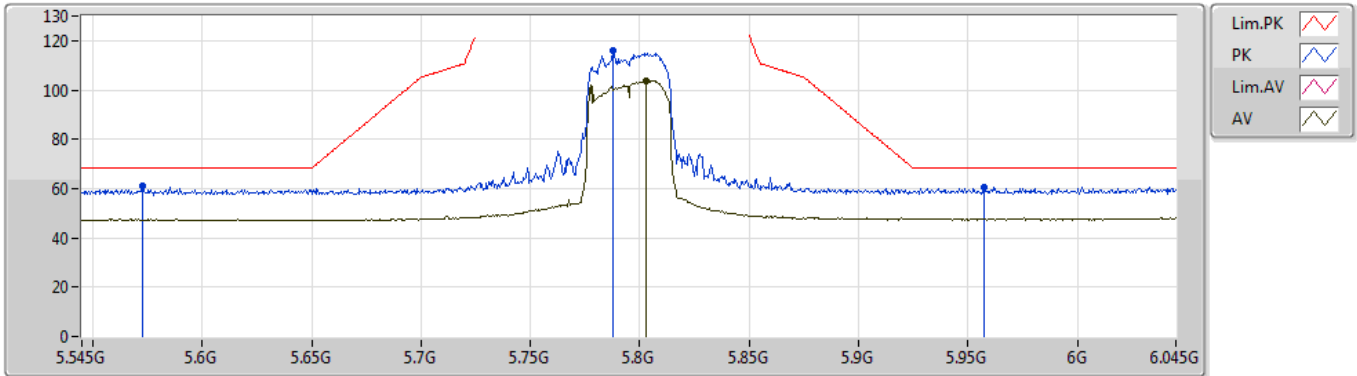
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Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.51816G	56.92	74.00	-17.08	14.44	3	Horizontal	61	1.62	-
AV	11.51777G	43.16	54.00	-10.84	14.44	3	Horizontal	61	1.62	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

21/05/2019

5795MHz_TX



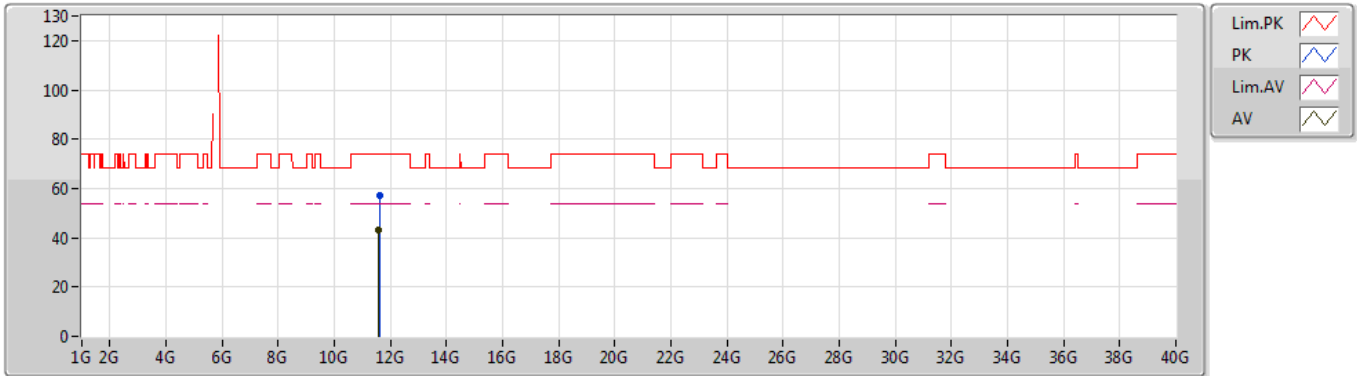
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Setting 23
03-C-5-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.573G	60.98	68.20	-7.22	6.40	3	Vertical	298	2.18	-
PK	5.7875G	115.79	Inf	-Inf	6.45	3	Vertical	298	2.18	-
AV	5.803G	103.55	Inf	-Inf	6.47	3	Vertical	298	2.18	-
PK	5.9575G	60.77	68.20	-7.43	6.92	3	Vertical	298	2.18	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

21/05/2019

5795MHz_TX



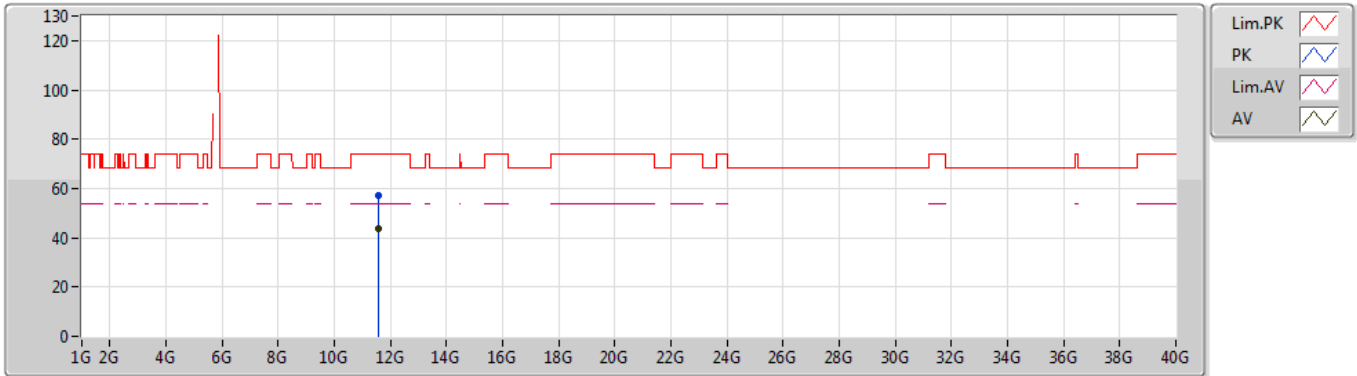
EUT Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.60269G	57.06	74.00	-16.94	14.52	3	Vertical	192	2.18	-
AV	11.58298G	43.38	54.00	-10.62	14.51	3	Vertical	192	2.18	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

21/05/2019

5795MHz_TX



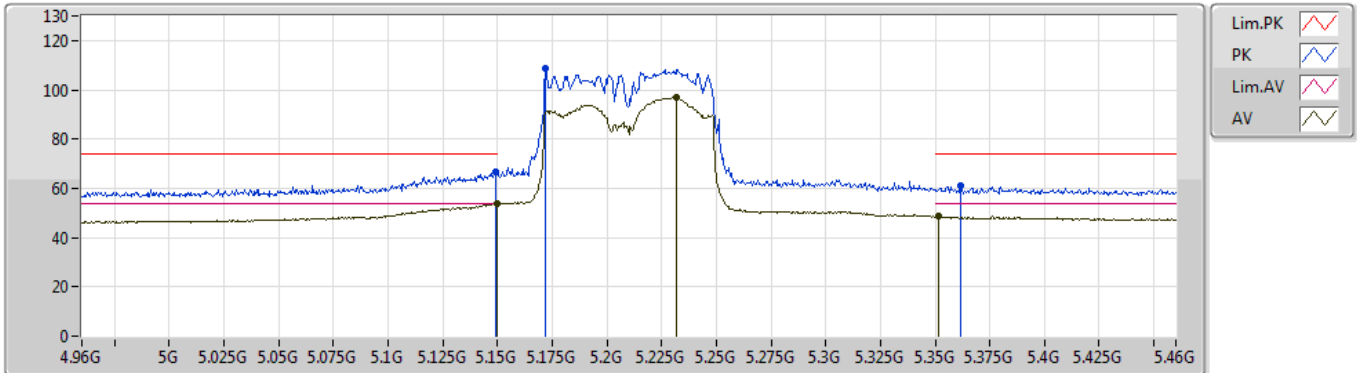
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Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.5906G	57.30	74.00	-16.70	14.51	3	Horizontal	221	1.19	-
AV	11.57986G	43.45	54.00	-10.55	14.51	3	Horizontal	221	1.19	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

17/05/2019

5210MHz_TX



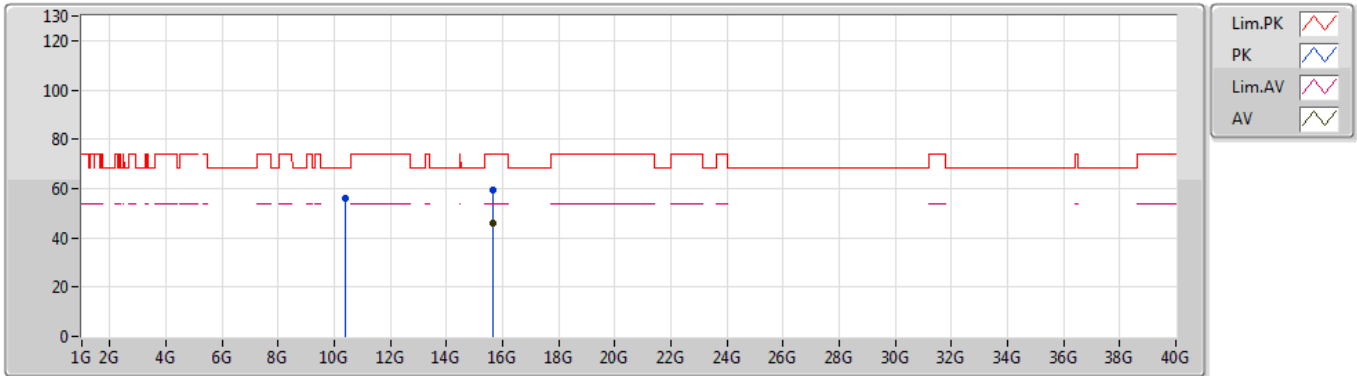
EUT_Z_2TX
Setting 20
03-P-2-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.149G	66.92	74.00	-7.08	5.83	3	Vertical	346	1.50	-
AV	5.15G	53.53	54.00	-0.47	5.83	3	Vertical	346	1.50	-
PK	5.172G	108.44	Inf	-Inf	5.86	3	Vertical	346	1.50	-
AV	5.2315G	97.01	Inf	-Inf	6.00	3	Vertical	346	1.50	-
PK	5.3615G	61.20	74.00	-12.80	6.33	3	Vertical	346	1.50	-
AV	5.3515G	48.68	54.00	-5.32	6.31	3	Vertical	346	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

17/05/2019

5210MHz_TX



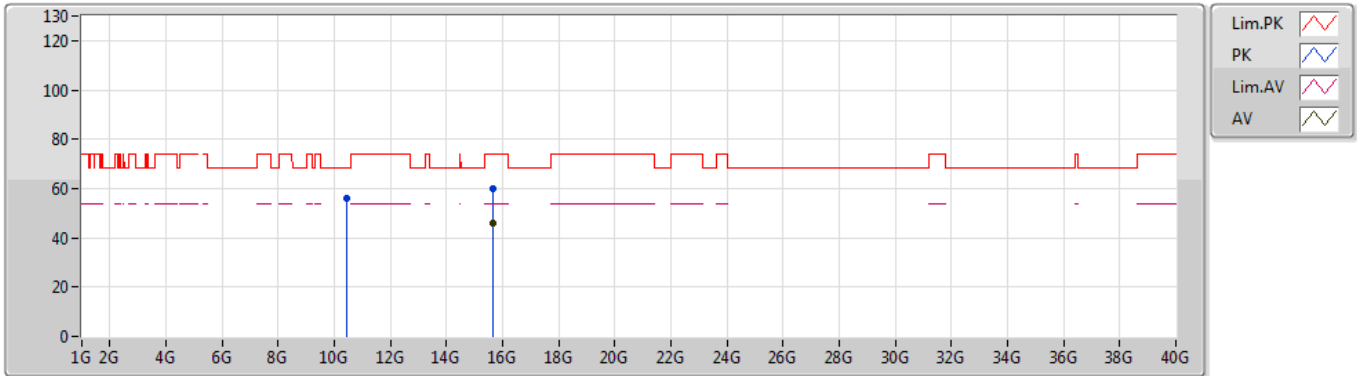
EUT Z_2TX
Setting 20
03-P-2
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	10.41626G	55.98	68.20	-12.22	13.15	3	Vertical	176	1.04	-
PK	15.6324G	59.43	74.00	-14.57	14.91	3	Vertical	163	1.29	-
AV	15.6336G	45.92	54.00	-8.08	14.91	3	Vertical	163	1.29	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

17/05/2019

5210MHz_TX



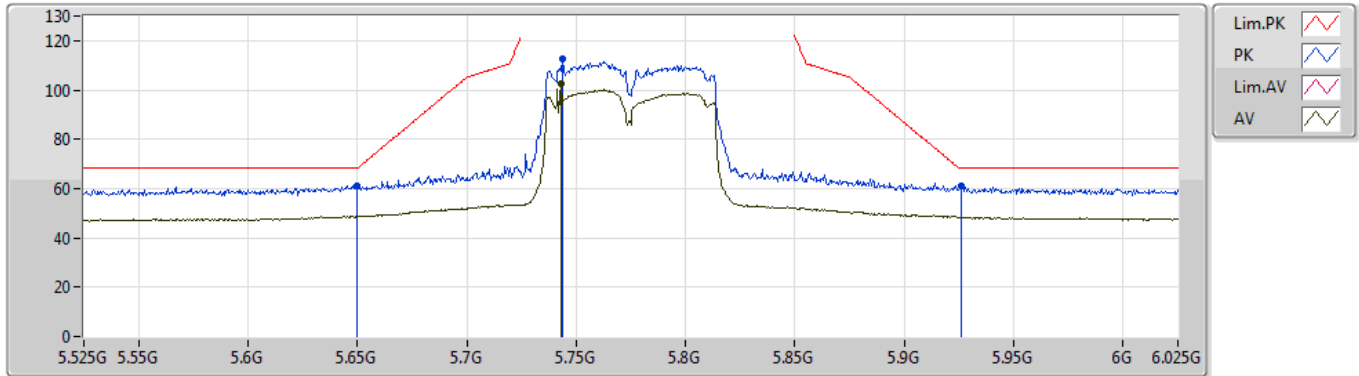
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Setting 20
03-P-2
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	10.41988G	56.24	68.20	-11.96	13.16	3	Horizontal	284	1.72	-
PK	15.63266G	59.84	74.00	-14.16	14.91	3	Horizontal	340	1.52	-
AV	15.63132G	46.04	54.00	-7.96	14.92	3	Horizontal	340	1.52	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

21/05/2019

5775MHz_TX



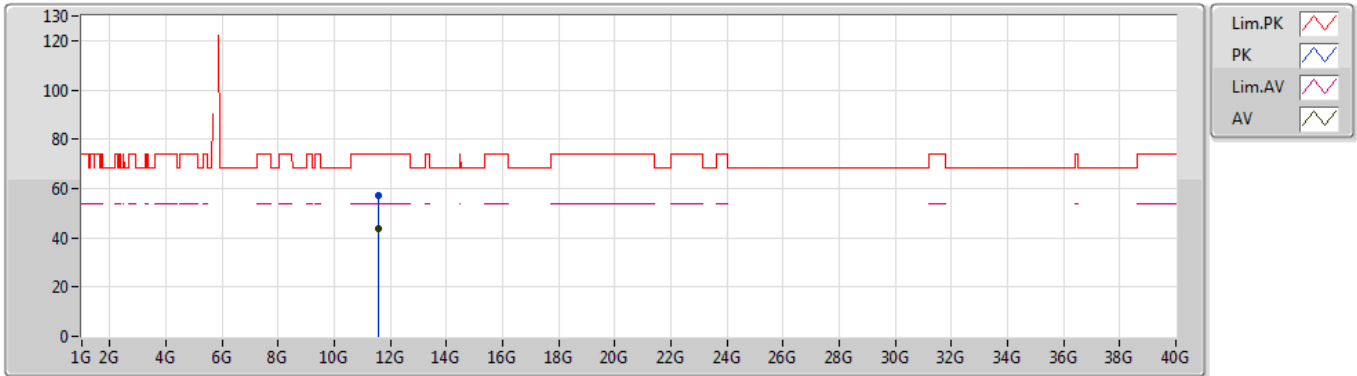
EUT_Z_2TX
Setting 23
03-C-5-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	5.65G	61.24	68.20	-6.96	6.38	3	Vertical	300	2.04	-
PK	5.7435G	112.77	Inf	-Inf	6.41	3	Vertical	300	2.04	-
AV	5.743G	102.55	Inf	-Inf	6.41	3	Vertical	300	2.04	-
PK	5.926G	61.22	68.20	-6.98	6.82	3	Vertical	300	2.04	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

21/05/2019

5775MHz_TX



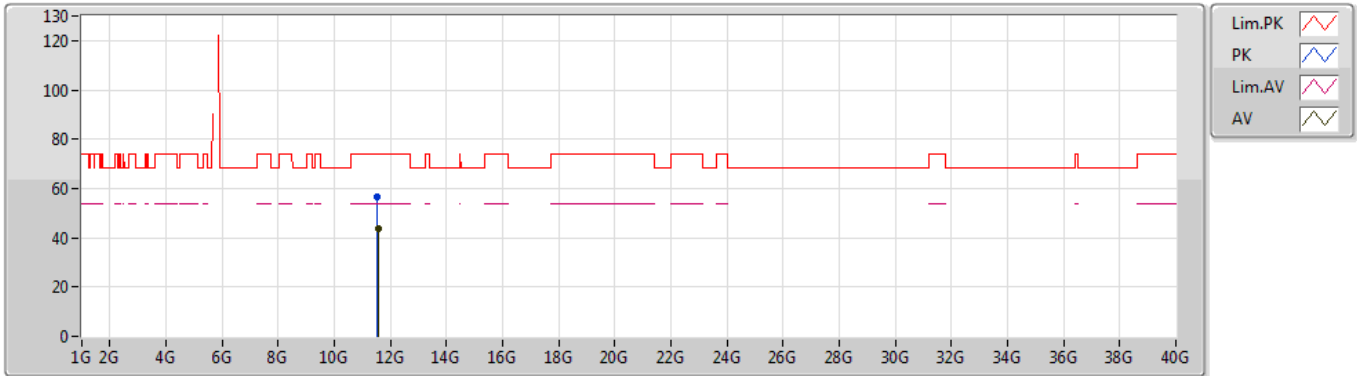
EUT Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.56005G	57.01	74.00	-16.99	14.48	3	Vertical	290	1.76	-
AV	11.55594G	43.56	54.00	-10.44	14.48	3	Vertical	290	1.76	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

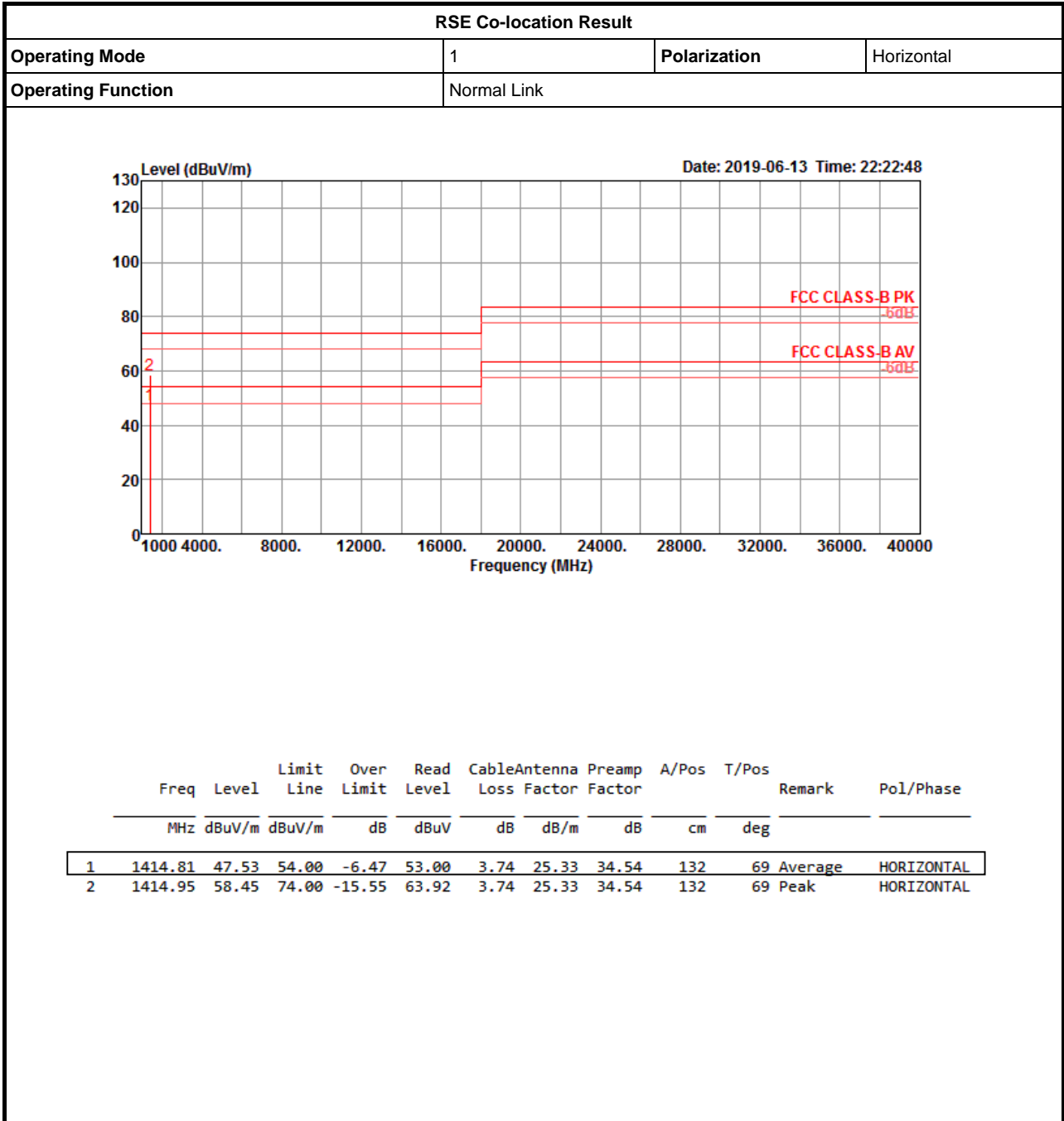
21/05/2019

5775MHz_TX



EUT_Z_2TX
Setting 23
03-C-5
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	11.54265G	56.70	74.00	-17.30	14.46	3	Horizontal	294	2.29	-
AV	11.56044G	43.47	54.00	-10.53	14.48	3	Horizontal	294	2.29	-





RSE Co-location Result

Appendix F

