



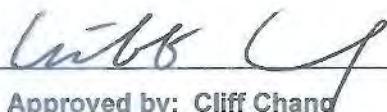
FCC RADIO TEST REPORT

FCC ID : TE7RE205V3
Equipment : AC750 Wi-Fi Range Extender
Brand Name : tp-link
Model Name : RE205
Applicant : TP-Link Technologies Co., Ltd.
Building 24 (floors 1,3,4,5) and 28 (floors 1-4)
Central Science and Technology Park, Nanshan,
Shenzhen, China, 518057
Manufacturer : TP-Link Technologies Co., Ltd.
Building 24 (floors 1,3,4,5) and 28 (floors 1-4)
Central Science and Technology Park, Nanshan,
Shenzhen, China, 518057
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 13, 2019, and testing was started from Nov. 26, 2019 and completed on Dec. 09, 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: Cliff Chang

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



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Appendix A. Test Results of AC Power-line Conducted Emissions**Appendix B. Test Results of Emission Bandwidth****Appendix C. Test Results of Maximum Conducted Output Power****Appendix D. Test Results of Peak Power Spectral Density****Appendix E. Test Results of Unwanted Emissions****Appendix F. Test Results of Radiated Emission Co-location****Appendix G. Test Photos****Photographs of EUT v01**



History of this test report



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]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.25-5.35GHz	802.11a	20	1TX
5.25-5.35GHz	802.11n HT20	20	1TX
5.25-5.35GHz	802.11ac VHT20	20	1TX
5.25-5.35GHz	802.11n HT40	40	1TX
5.25-5.35GHz	802.11ac VHT40	40	1TX
5.25-5.35GHz	802.11ac VHT80	80	1TX
5.47-5.725GHz	802.11a	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11n HT40	40	1TX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX

Note:

- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.



1.1.2 Antenna Information

Ant.	2.4GHz Port	5GHz Port	Brand	Product Number	Antenna Type	Connector	Gain (dBi)
1	1	1	tp-link	3101502793	Dipole Antenna	N/A	Note1
2	2	-	tp-link	3101502792	Dipole Antenna	N/A	

Note1:

Ant.	Gain (dBi)				
	2.4GHz	5GHz Band 1	5GHz Band 2	5GHz Band 3	5GHz Band 4
1	1.95	2.2	2.3	2.6	1.9
2	1.95	-	-	-	-

Note2: The above information was declared by manufacturer.

Note3: The EUT has two antennas.

For WLAN 2.4GHz function (2TX/2RX):

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz function (1TX/1RX):

Only Port 1 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	1	0	n/a (DC ≥ 0.98)	n/a (DC ≥ 0.98)
802.11ac VHT20	1	0	n/a (DC ≥ 0.98)	n/a (DC ≥ 0.98)
802.11ac VHT40	1	0	n/a (DC ≥ 0.98)	n/a (DC ≥ 0.98)
802.11ac VHT80	1	0	n/a (DC ≥ 0.98)	n/a (DC ≥ 0.98)

Note:

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



1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
Function	<input type="checkbox"/>	Outdoor P2M	<input checked="" type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
TPC Function	<input checked="" type="checkbox"/>	With TPC	<input type="checkbox"/>	Without TPC
Test Software Version	MT76xxE_AP.exe			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT support function

Function	Supports type
AP router	Master
Extender	Master + Slave without radar detection

Note: The EUT supports AP and Extender mode, only Extender mode was tested and recorded in this test report by manufacturer request.



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 412172 D01 v01r01
- ♦ FCC KDB 414788 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	TH02-CB	Justin Lin	23.2~24.1°C / 53~55%	Dec. 02, 2019
Radiated below 1GHz	03CH05-CB	Eason Chen	23.8~24.6°C / 59~62%	Nov. 26, 2019 ~ Nov. 27, 2019
Radiated above 1GHz	03CH01-CB	Justin Lin	22.4~23.6°C / 59~63%	Nov. 27, 2019 ~ Nov. 30, 2019
AC Conduction	CO02-CB	Rick Yeh	21~22°C / 50~51%	Dec. 09, 2019

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	24
5200MHz	2D
5240MHz	28
5260MHz	27
5300MHz	27
5320MHz	23
5500MHz	1B
5580MHz	21
5700MHz	17
5745MHz	2D
5785MHz	2D
5825MHz	2D
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	24
5200MHz	2D
5240MHz	28
5260MHz	27
5300MHz	27
5320MHz	20
5500MHz	19
5580MHz	1D
5700MHz	16
5745MHz	2D
5785MHz	2D
5825MHz	2D
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	1B
5230MHz	28
5270MHz	28
5310MHz	17



Mode	PowerSetting
5510MHz	11
5550MHz	20
5670MHz	1C
5755MHz	29
5795MHz	2D
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	18
5290MHz	13
5530MHz	10
5610MHz	1E
5775MHz	1D



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	Extender mode

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	Extender mode - EUT in Y axis
2	Extender mode - EUT in Z axis

For operating mode 1 is the worst case and it was record in this test report.

Operating Mode > 1GHz	CTX
	The EUT was performed at Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	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

Refer to Sporton Test Report No.: FA892823-02 for Co-location RF Exposure Evaluation.

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	AP Router	ASUS	RP-N53	MSQ-RPN53

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	NB	DELL	E4300	N/A
D	WLAN AP	NETGEAR	WNDR3300v2	PY309300116

For Radiated (above 1GHz):

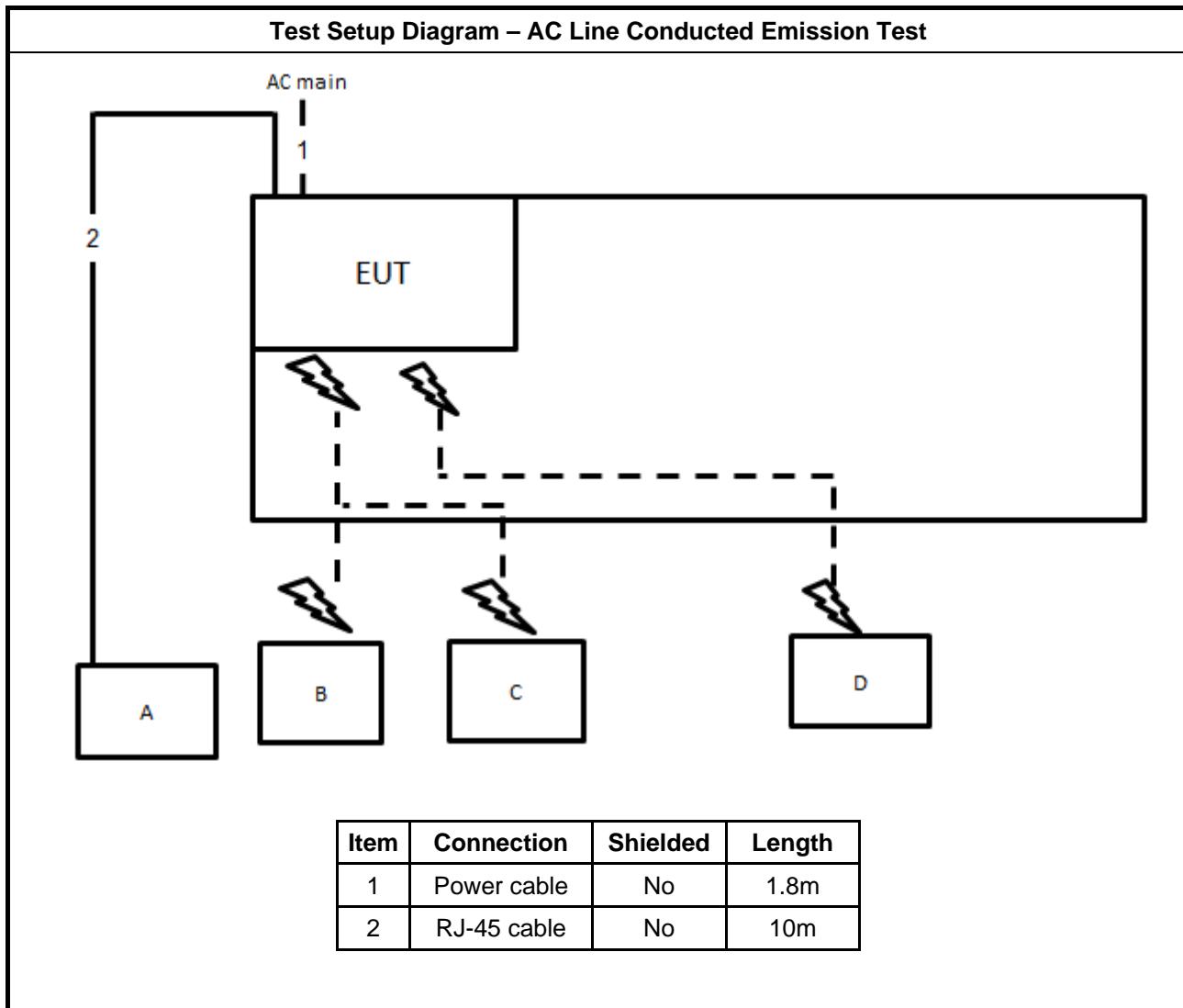
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

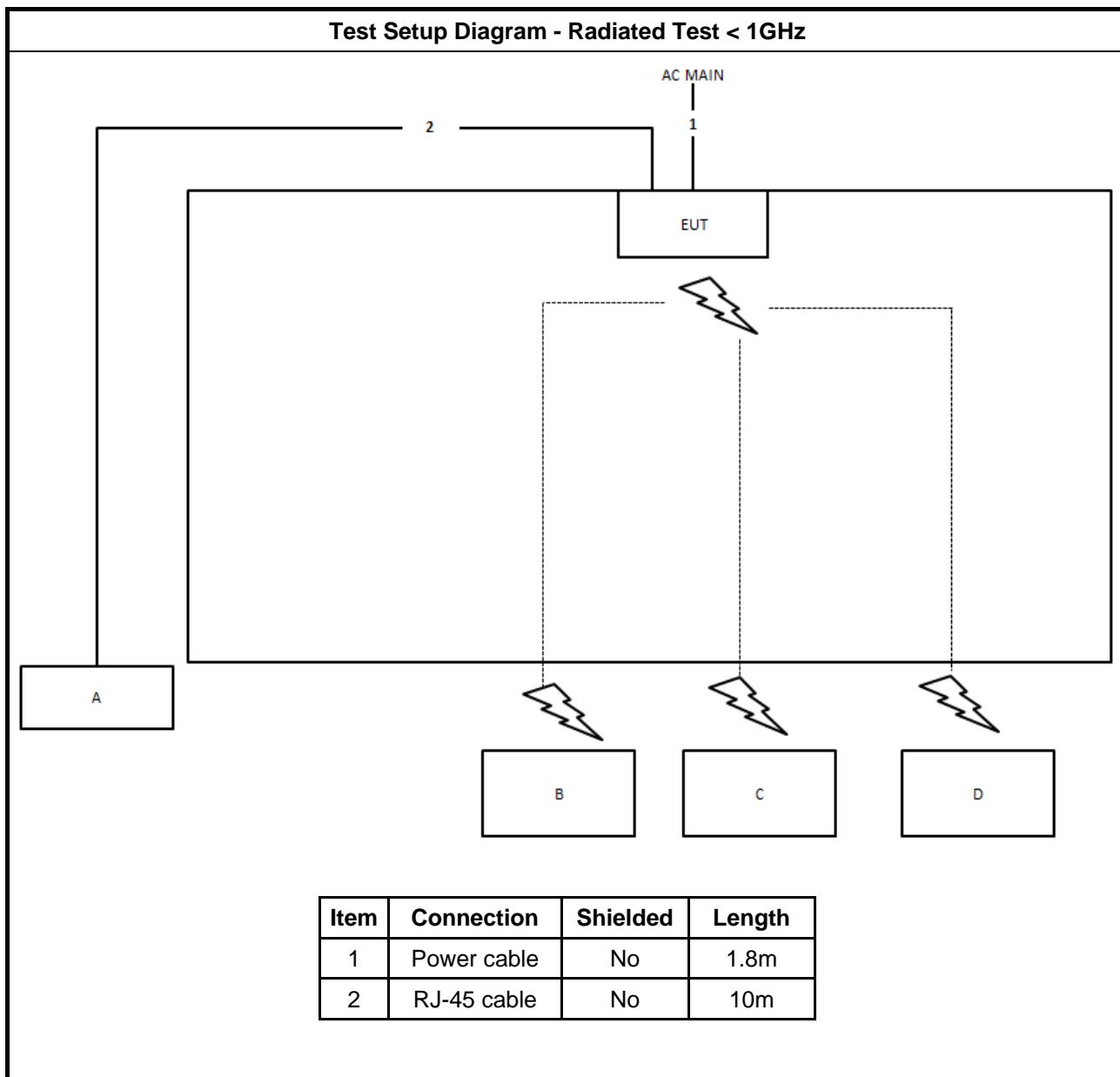
For RF Conducted:

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



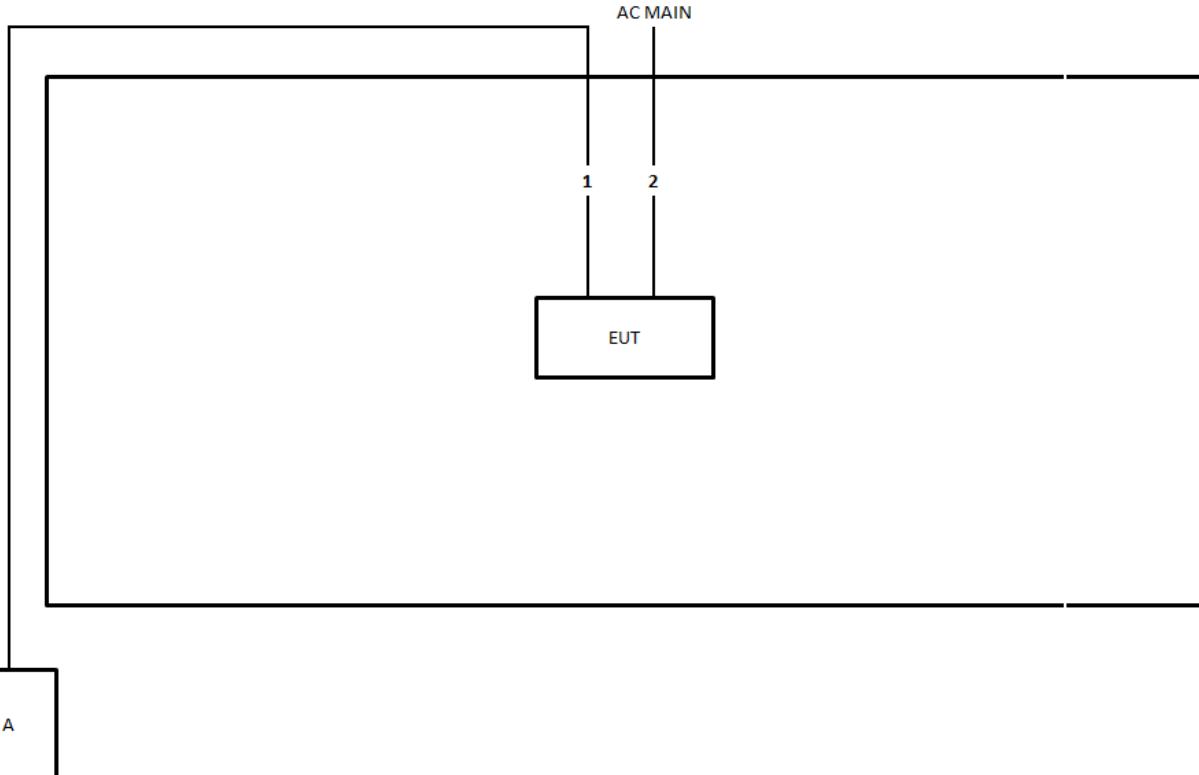
2.6 Test Setup Diagram







Test Setup Diagram - Radiated Test > 1GHz



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



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.

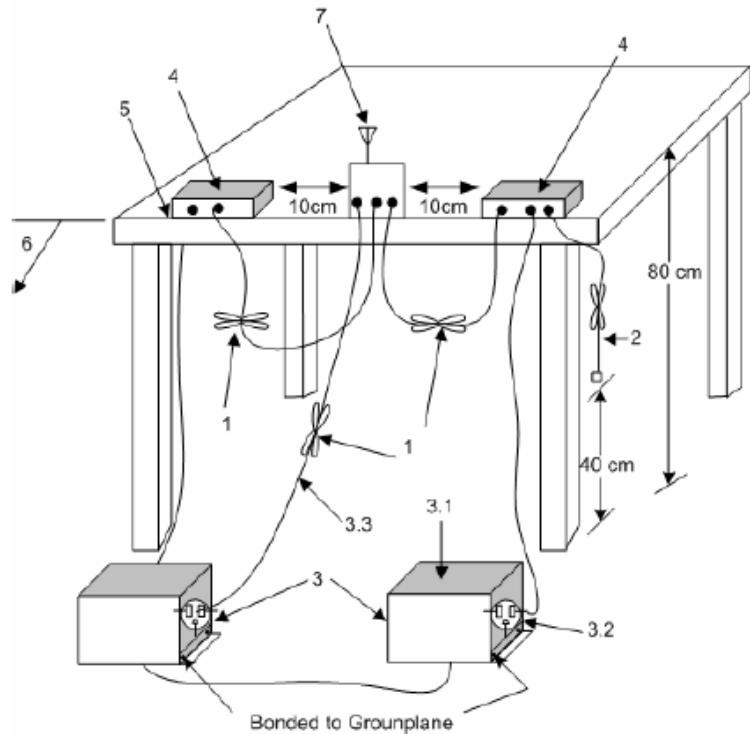
3.1.2 Measuring Instruments

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



- 1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
- 2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
 - 3.1—All other equipment powered from additional LISN(s).
 - 3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
 - 3.3—LISN at least 80 cm from nearest part of EUT chassis.
- 4—Non-EUT components of EUT system being tested.
- 5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
- 6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
- 7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, 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 $\geq 500\text{kHz}$.
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 $\geq 500\text{kHz}$.

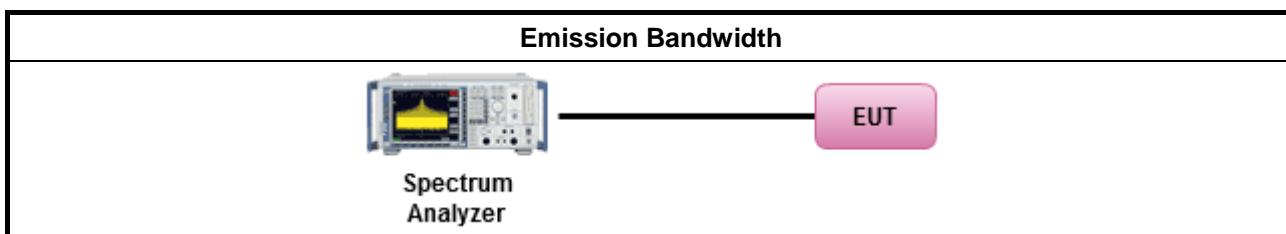
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
<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 ≤ 125 mW [21 dBm]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 checked="" 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 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 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + $10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<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.	



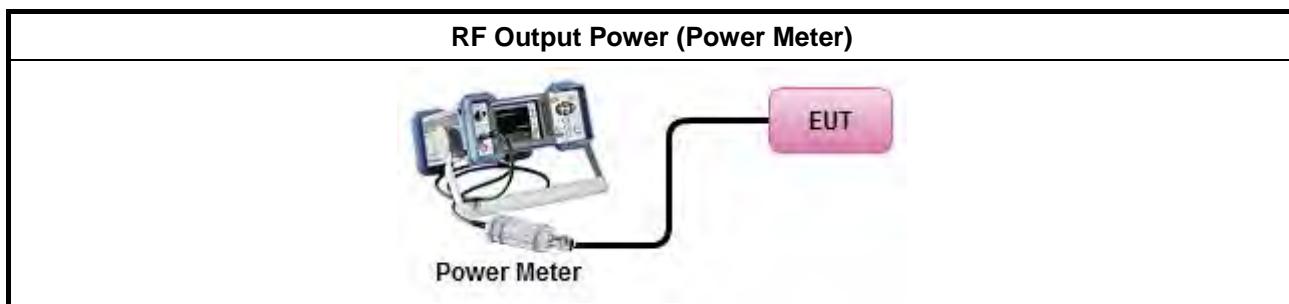
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ 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).
▪ 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.▪ 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:	<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 checked="" 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 checked="" 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:	<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"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	<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 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/> For the 5.725-5.85 GHz band:	<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.
PPSD = peak power spectral density that the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.4.2 Measuring Instruments

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

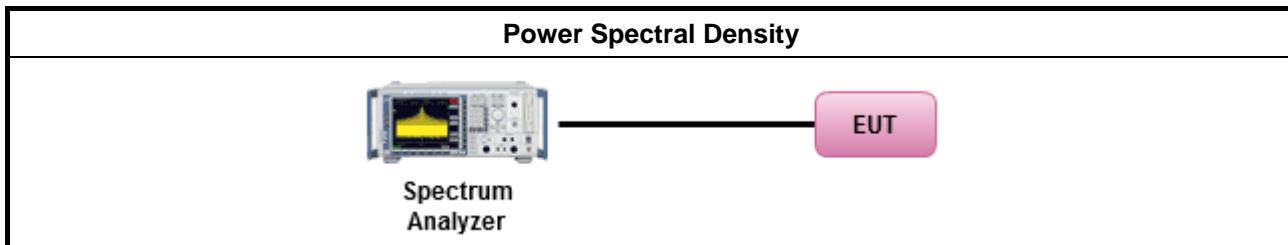


3.4.3 Test Procedures

Test Method	
<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:	
<ul style="list-style-type: none"><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 \geq 98% or external video / power trigger]	
<ul style="list-style-type: none"><input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
<ul style="list-style-type: none"><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	
<ul style="list-style-type: none"><input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
<ul style="list-style-type: none"><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:	
<ul style="list-style-type: none"><input 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.	
<ul style="list-style-type: none"><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,	
<ul style="list-style-type: none"><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 checked="" type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" 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).



linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

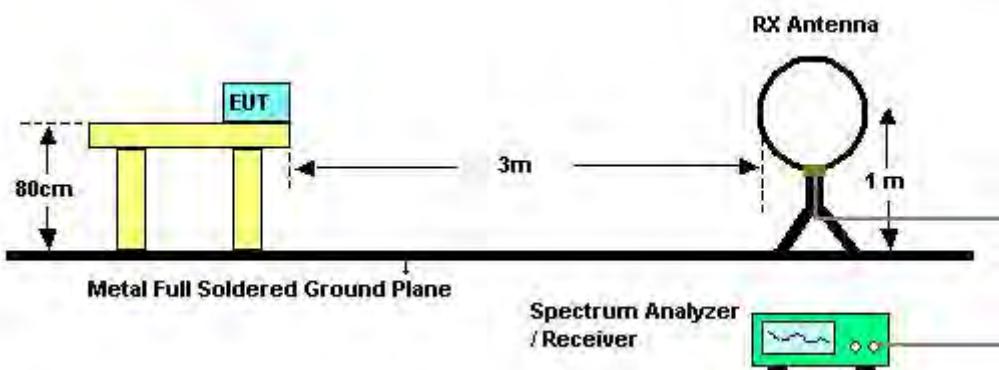
Test Method	
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
<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 \geq 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.	
▪ For radiated measurement.	
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.	
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	



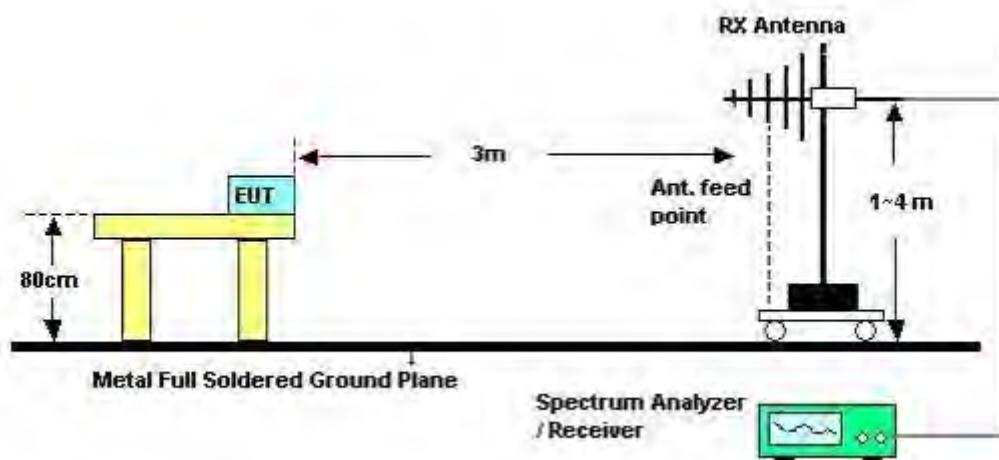
3.5.4 Test Setup

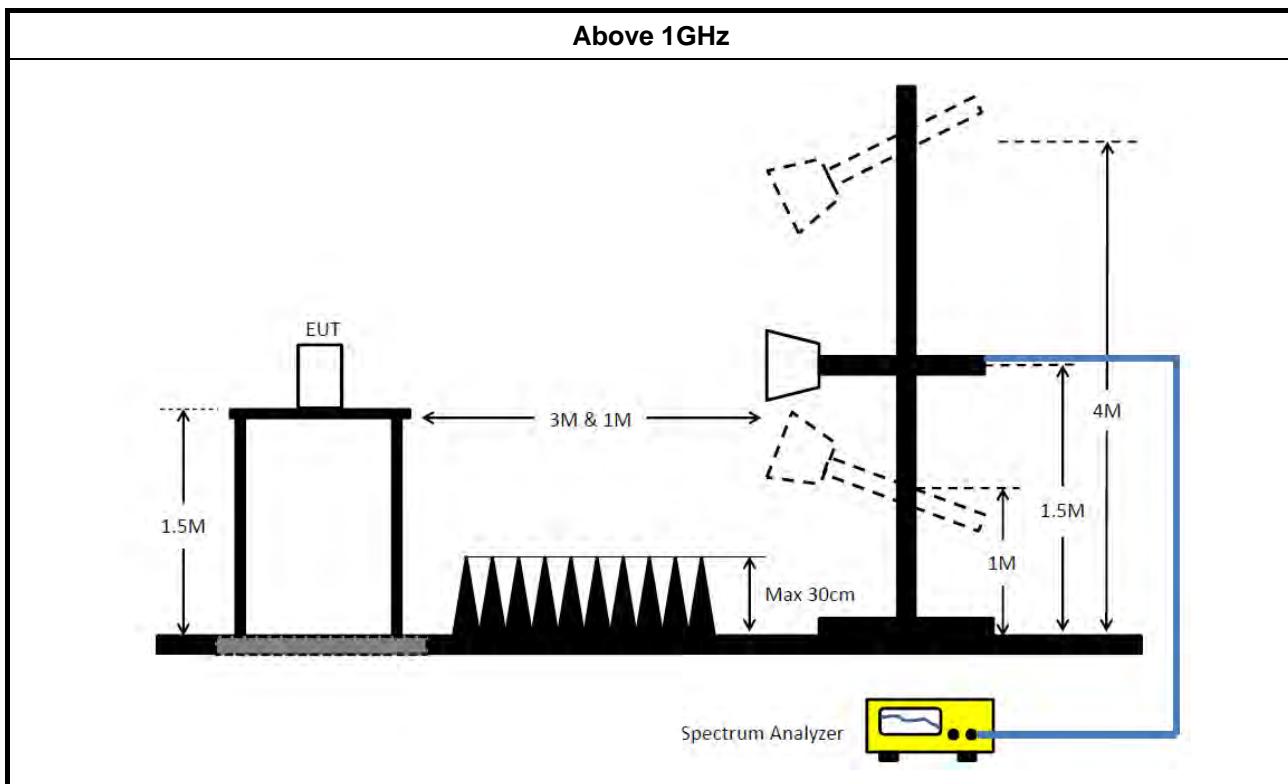
Transmitter Radiated Unwanted Emissions

9kHz ~30MHz



30MHz~1GHz





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)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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, 2019	Nov. 20, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	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	Oct. 21, 2019	Oct. 20, 2020	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Bilog Antenna with 6dB Attenuator	TESE & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz-1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH02-CB)

**FCC RADIO TEST REPORT****Report No. : FR892823-02AB**

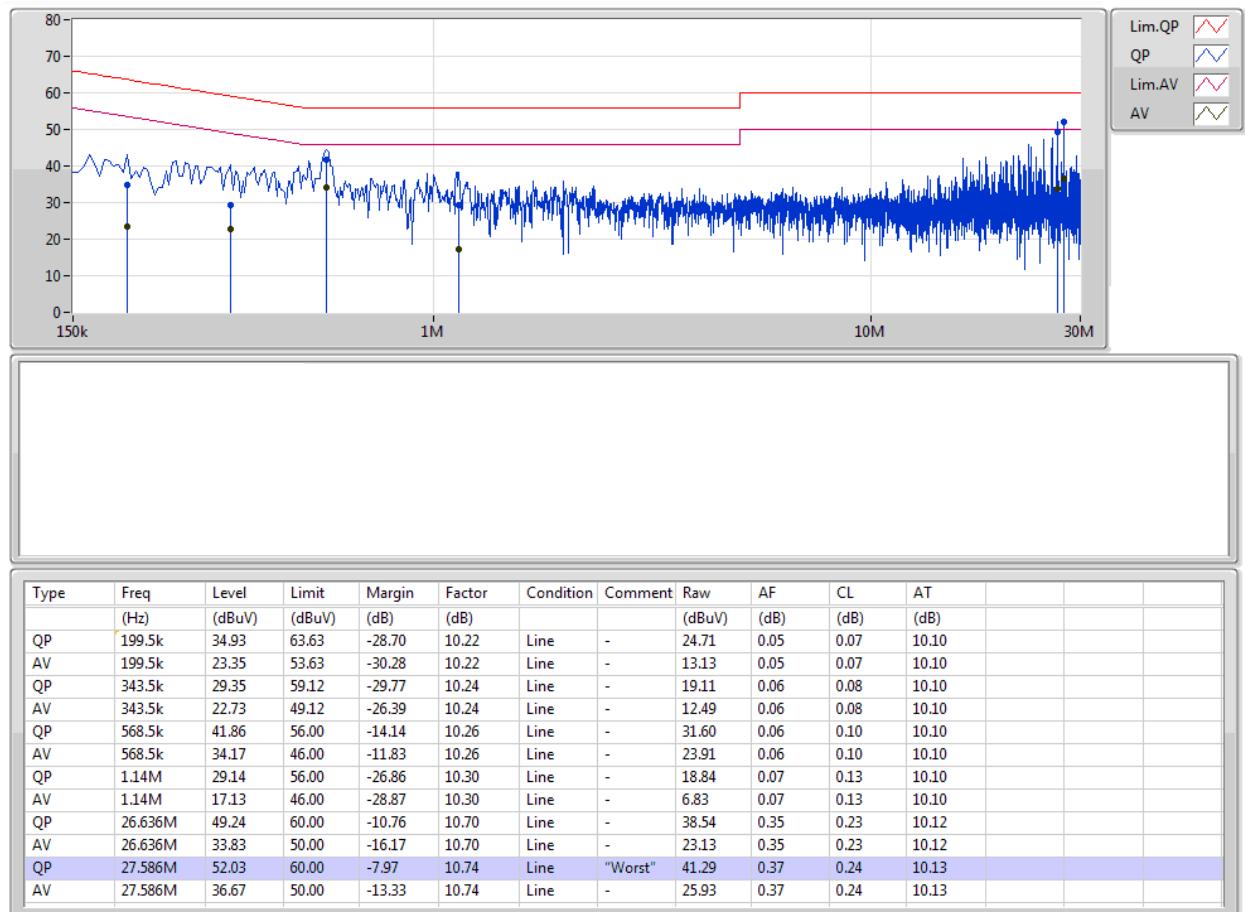
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)

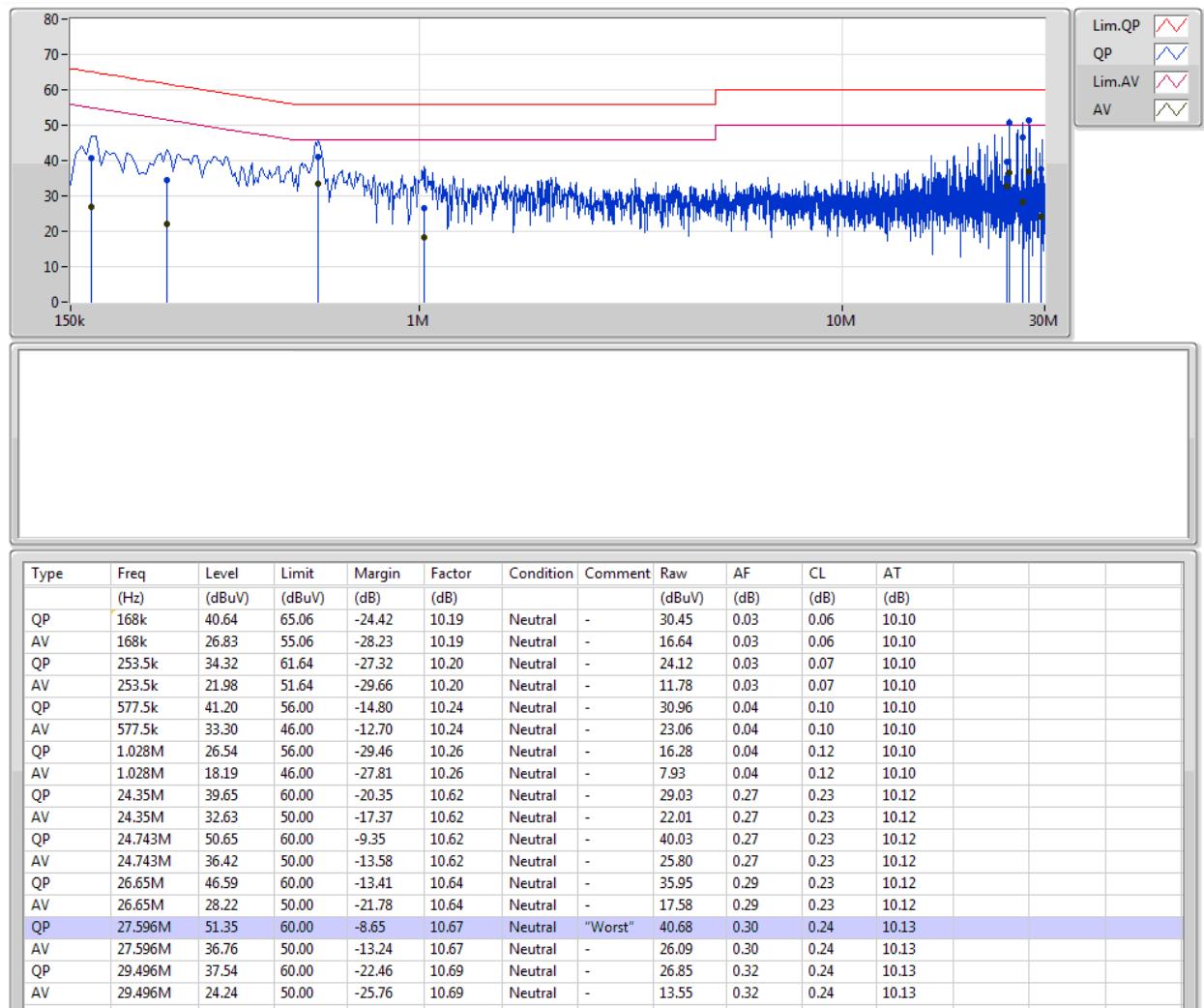
Note: Calibration Interval of instruments listed above is one year.

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

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	QP	27.586M	52.03	60.00	-7.97	10.74	Line





**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)_1TX	39.66M	21.529M	21M5D1D	35.19M	16.642M
802.11ac VHT20_Nss1,(MCS0)_1TX	44.7M	23.388M	23M4D1D	42.42M	17.751M
802.11ac VHT40_Nss1,(MCS0)_1TX	85.44M	37.181M	37M2D1D	41.04M	36.102M
802.11ac VHT80_Nss1,(MCS0)_1TX	102.6M	75.562M	75M6D1D	102.6M	75.562M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	39.27M	19.07M	19M1D1D	36.33M	16.792M
802.11ac VHT20_Nss1,(MCS0)_1TX	43.65M	19.43M	19M4D1D	31.14M	17.601M
802.11ac VHT40_Nss1,(MCS0)_1TX	88.56M	38.021M	38M0D1D	41.04M	36.102M
802.11ac VHT80_Nss1,(MCS0)_1TX	98.52M	75.562M	75M6D1D	98.52M	75.562M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	38.04M	18.561M	18M6D1D	21.75M	16.492M
802.11ac VHT20_Nss1,(MCS0)_1TX	36.69M	17.691M	17M7D1D	20.88M	17.541M
802.11ac VHT40_Nss1,(MCS0)_1TX	78M	36.942M	36M9D1D	41.16M	36.042M
802.11ac VHT80_Nss1,(MCS0)_1TX	172.44M	76.522M	76M5D1D	105.36M	75.562M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.44M	30.135M	30M1D1D	16.38M	28.606M
802.11ac VHT20_Nss1,(MCS0)_1TX	17.64M	30.765M	30M8D1D	17.61M	29.775M
802.11ac VHT40_Nss1,(MCS0)_1TX	36.36M	60.21M	60M2D1D	36.36M	56.492M
802.11ac VHT80_Nss1,(MCS0)_1TX	76.32M	76.042M	76M0D1D	76.32M	76.042M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;



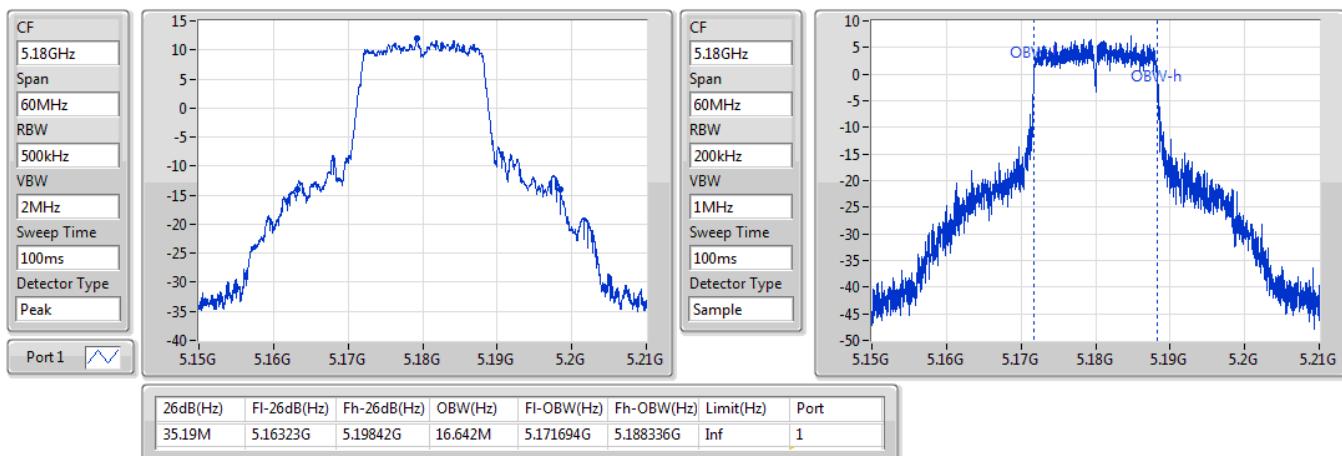
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	35.19M	16.642M
5200MHz	Pass	Inf	39.66M	21.529M
5240MHz	Pass	Inf	38.55M	19.52M
5260MHz	Pass	Inf	38.43M	18.291M
5300MHz	Pass	Inf	39.27M	19.07M
5320MHz	Pass	Inf	36.33M	16.792M
5500MHz	Pass	Inf	25.41M	16.552M
5580MHz	Pass	Inf	38.04M	18.561M
5700MHz	Pass	Inf	21.75M	16.492M
5745MHz	Pass	500k	16.41M	30.135M
5785MHz	Pass	500k	16.44M	29.955M
5825MHz	Pass	500k	16.38M	28.606M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	42.42M	17.751M
5200MHz	Pass	Inf	44.58M	23.388M
5240MHz	Pass	Inf	44.7M	20.06M
5260MHz	Pass	Inf	43.65M	19.16M
5300MHz	Pass	Inf	43.62M	19.43M
5320MHz	Pass	Inf	31.14M	17.601M
5500MHz	Pass	Inf	22.44M	17.571M
5580MHz	Pass	Inf	36.69M	17.691M
5700MHz	Pass	Inf	20.88M	17.541M
5745MHz	Pass	500k	17.61M	30.765M
5785MHz	Pass	500k	17.61M	30.225M
5825MHz	Pass	500k	17.64M	29.775M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	41.04M	36.102M
5230MHz	Pass	Inf	85.44M	37.181M
5270MHz	Pass	Inf	88.56M	38.021M
5310MHz	Pass	Inf	41.04M	36.102M
5510MHz	Pass	Inf	41.16M	36.042M
5550MHz	Pass	Inf	78M	36.942M
5670MHz	Pass	Inf	71.52M	36.222M
5755MHz	Pass	500k	36.36M	56.492M
5795MHz	Pass	500k	36.36M	60.21M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	102.6M	75.562M
5290MHz	Pass	Inf	98.52M	75.562M
5530MHz	Pass	Inf	105.36M	75.562M
5610MHz	Pass	Inf	172.44M	76.522M
5775MHz	Pass	500k	76.32M	76.042M

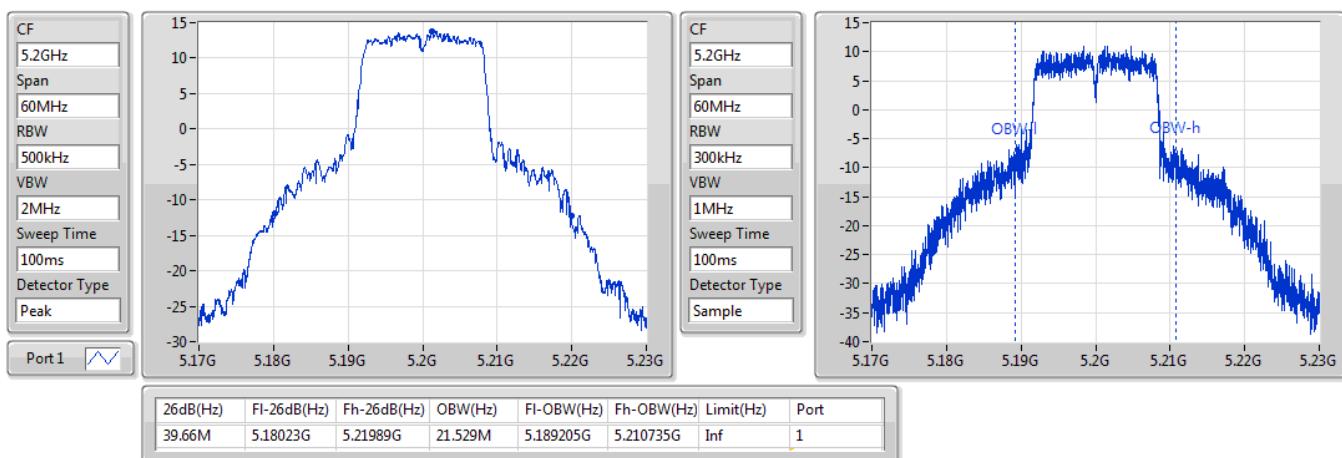
Port X-N dB = Port X 6dB down bandwidth; Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_1TX
EBW
5180MHz

02/12/2019

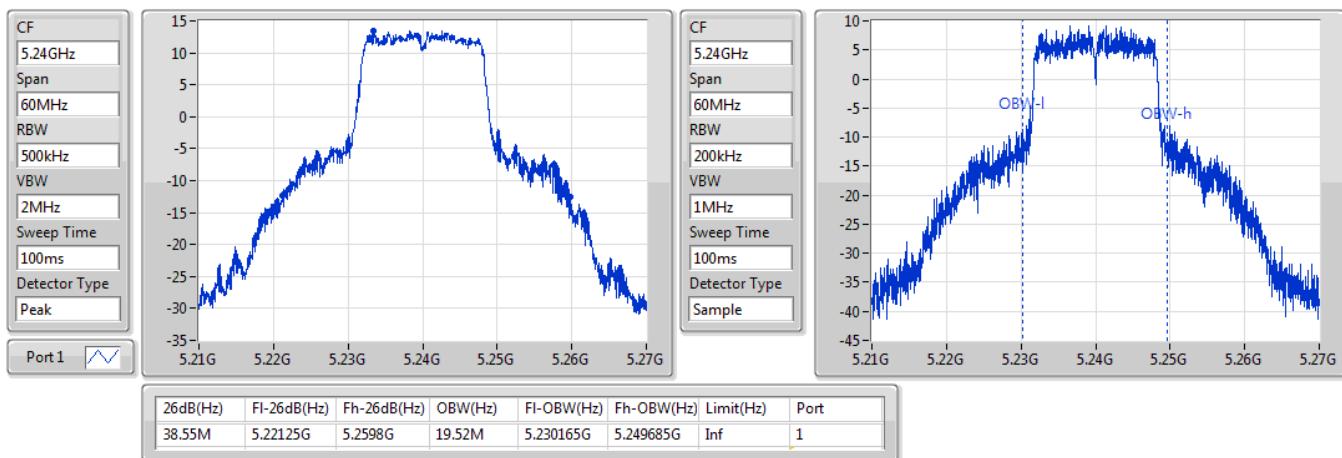

802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

02/12/2019

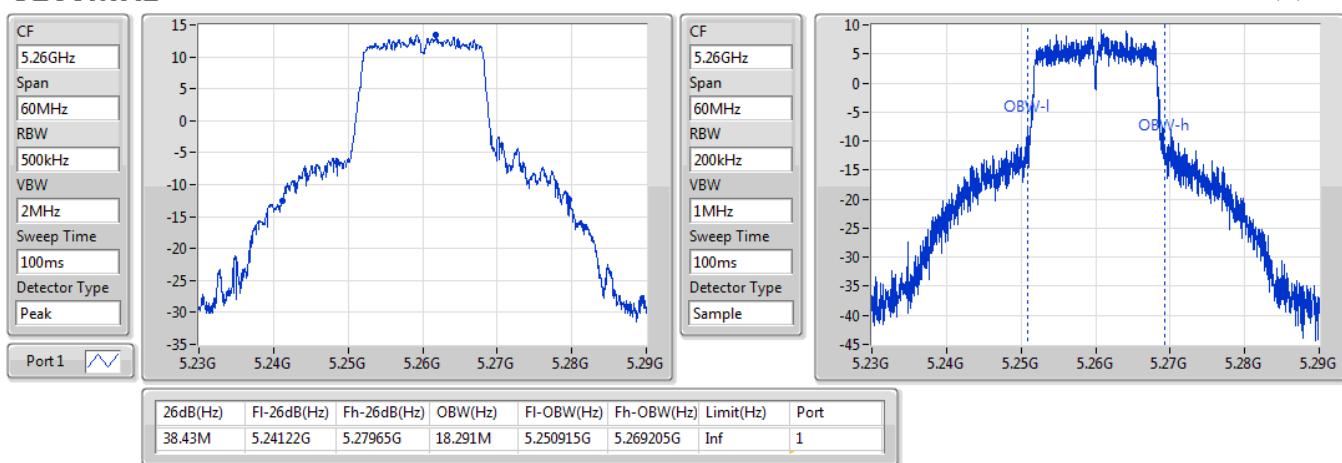


802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

02/12/2019

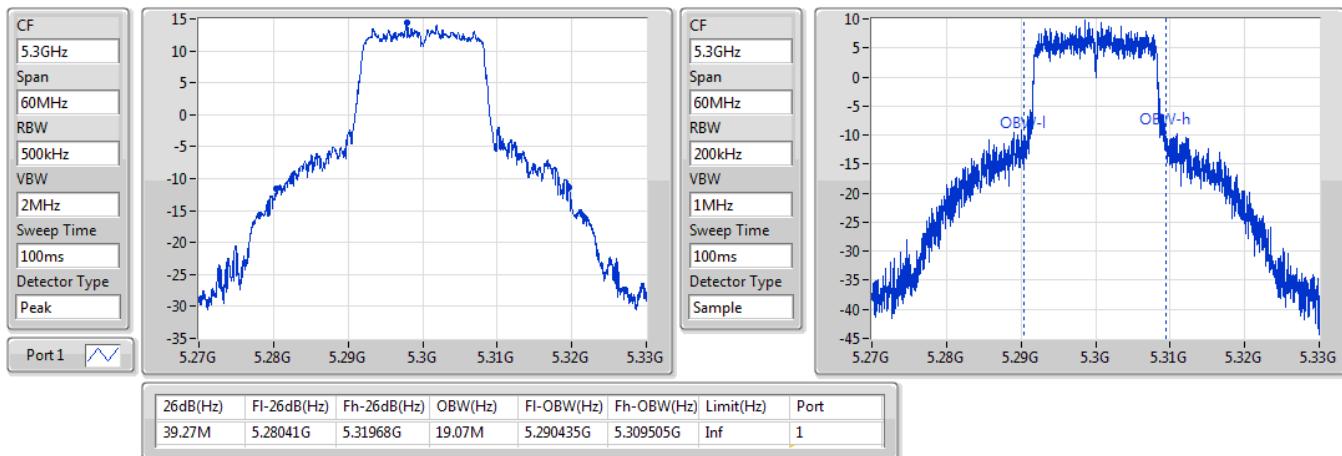

802.11a_Nss1,(6Mbps)_1TX
EBW
5260MHz

02/12/2019

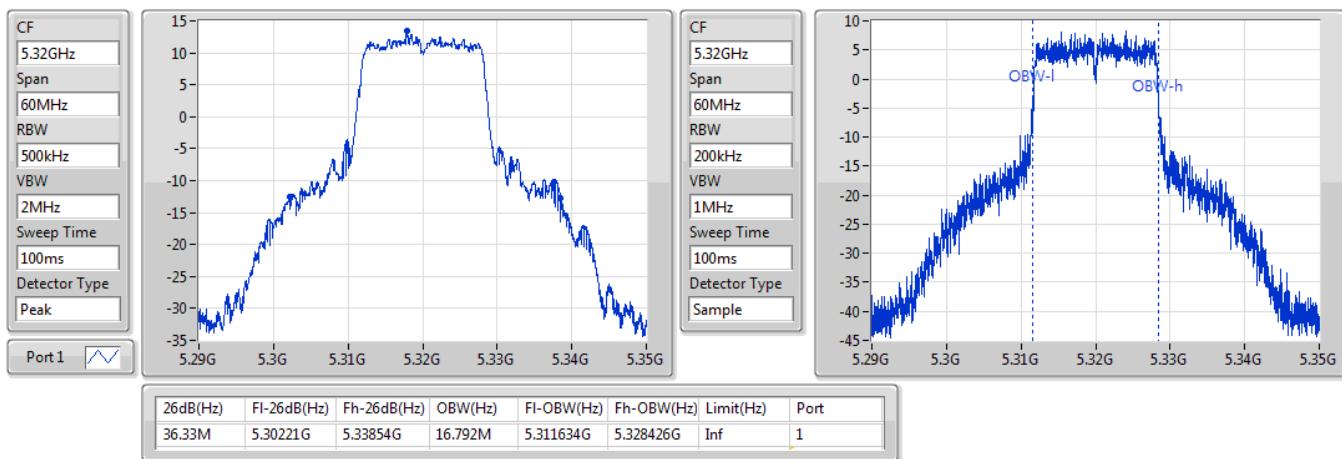


802.11a_Nss1,(6Mbps)_1TX
EBW
5300MHz

02/12/2019

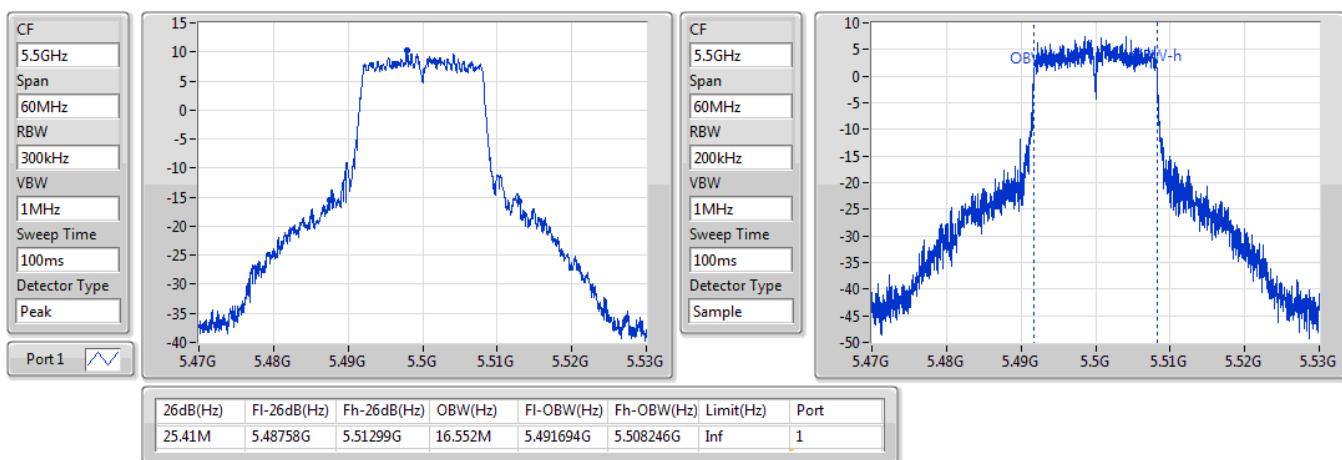

802.11a_Nss1,(6Mbps)_1TX
EBW
5320MHz

02/12/2019

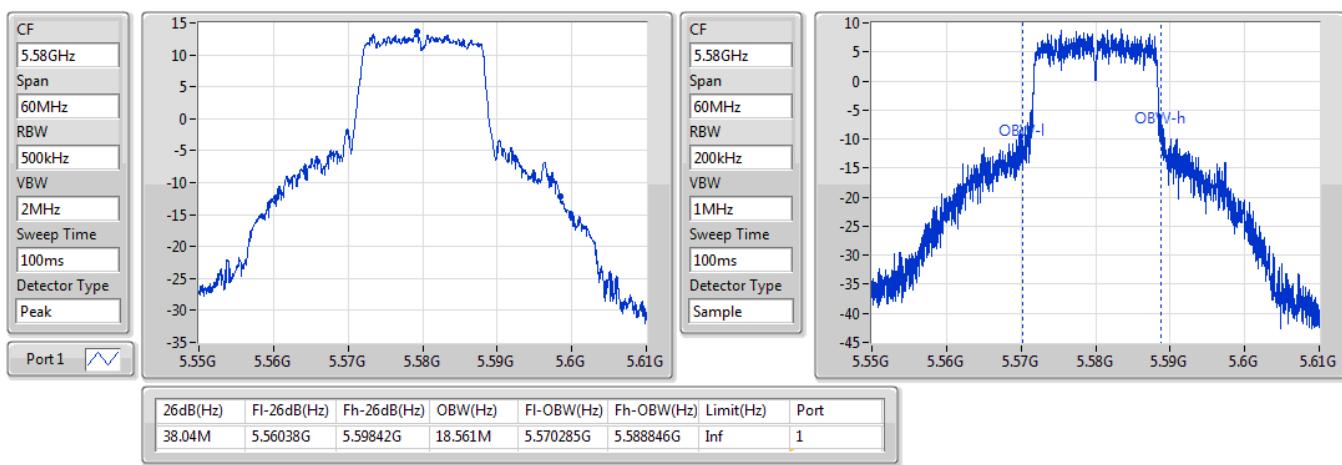


802.11a_Nss1,(6Mbps)_1TX
EBW
5500MHz

02/12/2019

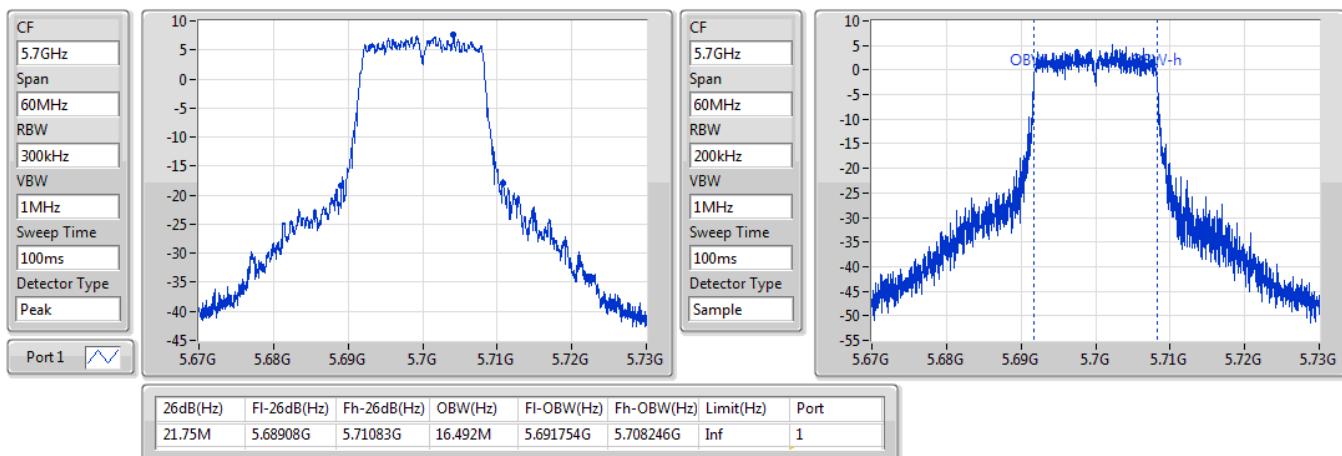

802.11a_Nss1,(6Mbps)_1TX
EBW
5580MHz

02/12/2019

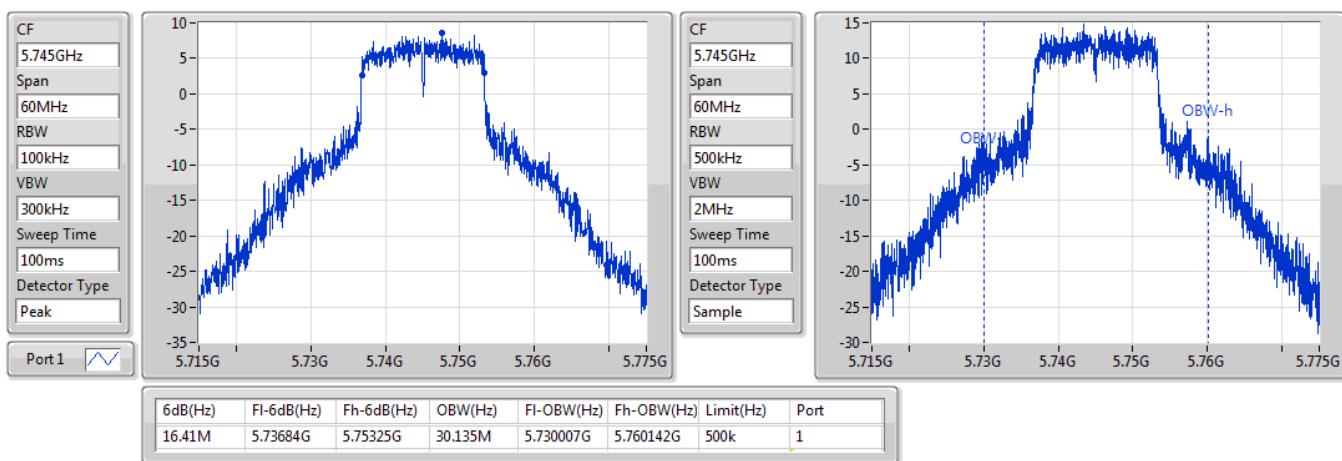


802.11a_Nss1,(6Mbps)_1TX
EBW
5700MHz

02/12/2019

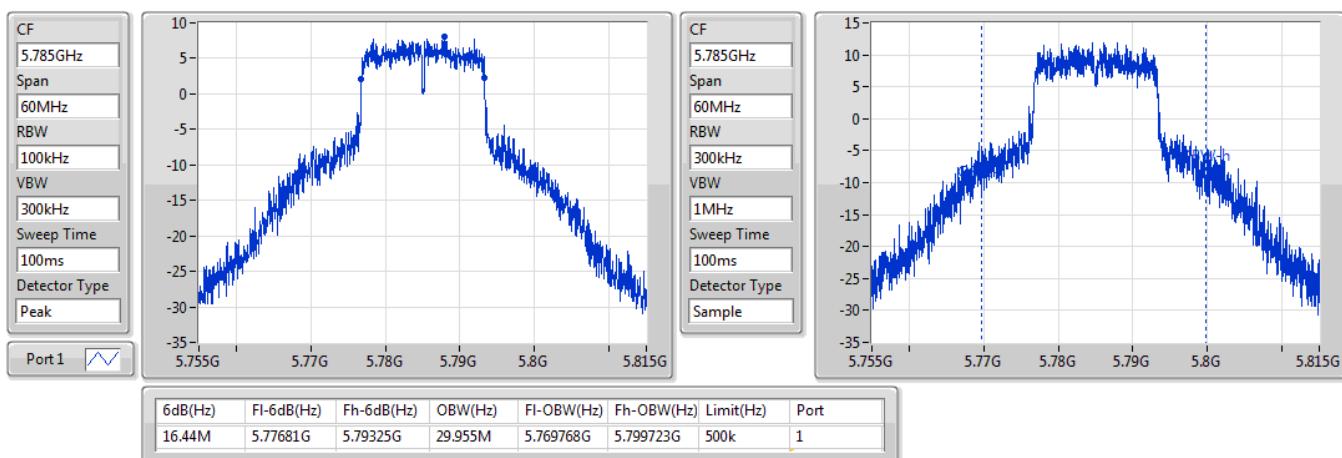

802.11a_Nss1,(6Mbps)_1TX
EBW
5745MHz

02/12/2019

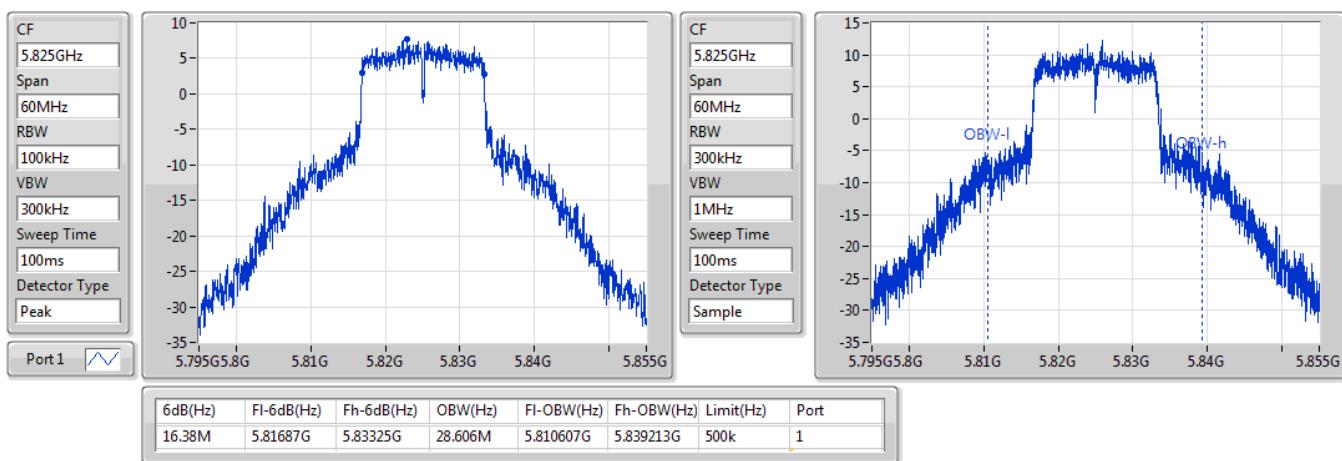


802.11a_Nss1,(6Mbps)_1TX
EBW
5785MHz

02/12/2019

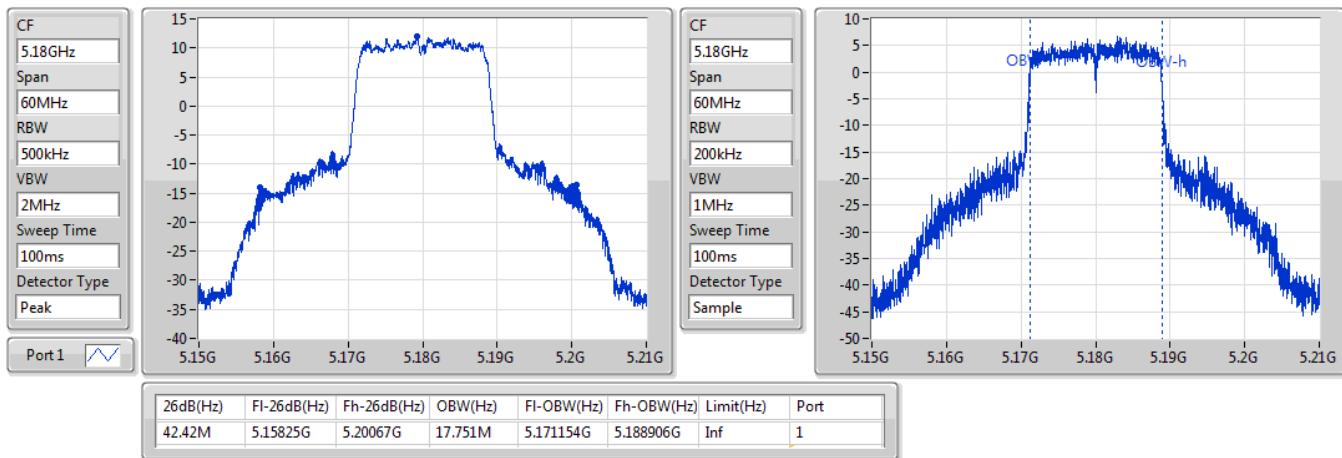

802.11a_Nss1,(6Mbps)_1TX
EBW
5825MHz

02/12/2019

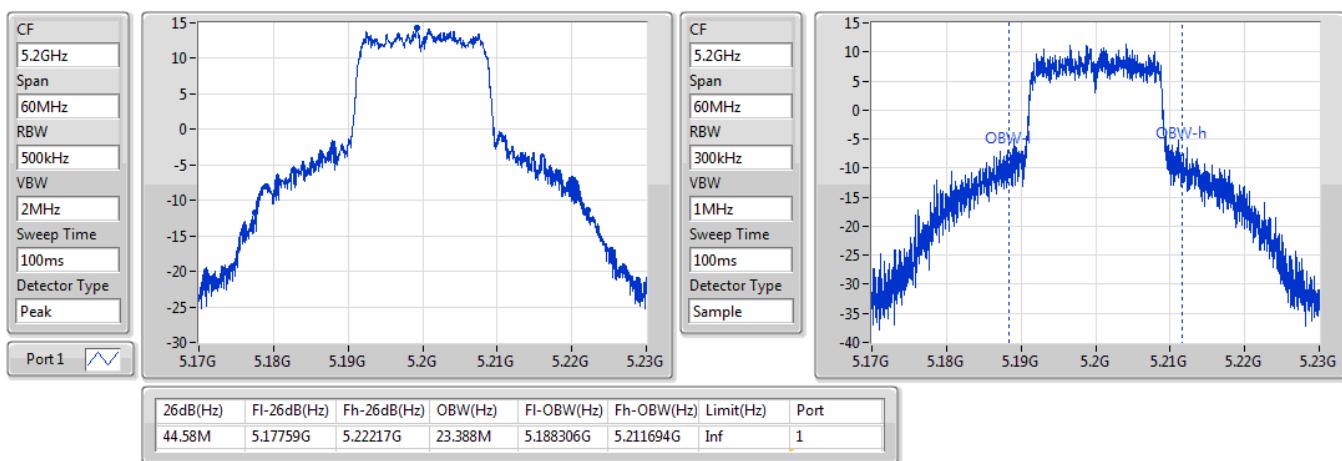


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5180MHz

02/12/2019

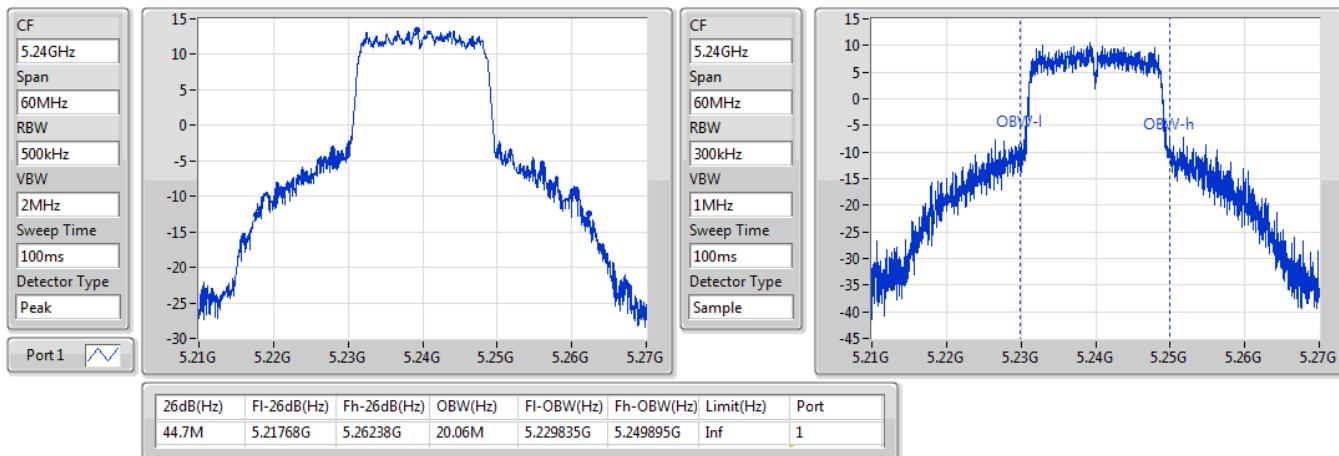

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5200MHz

02/12/2019

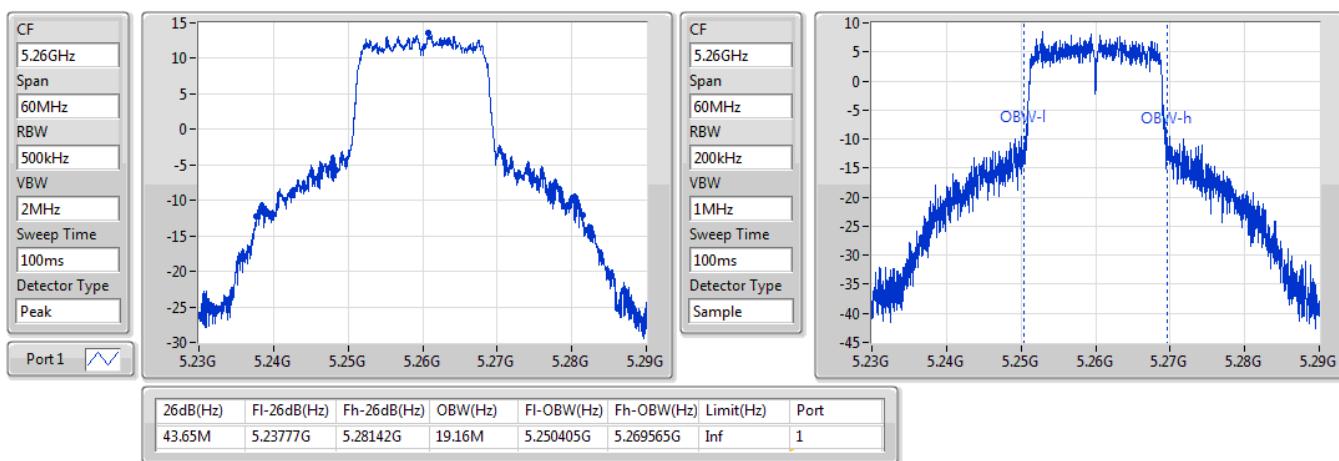


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5240MHz

02/12/2019

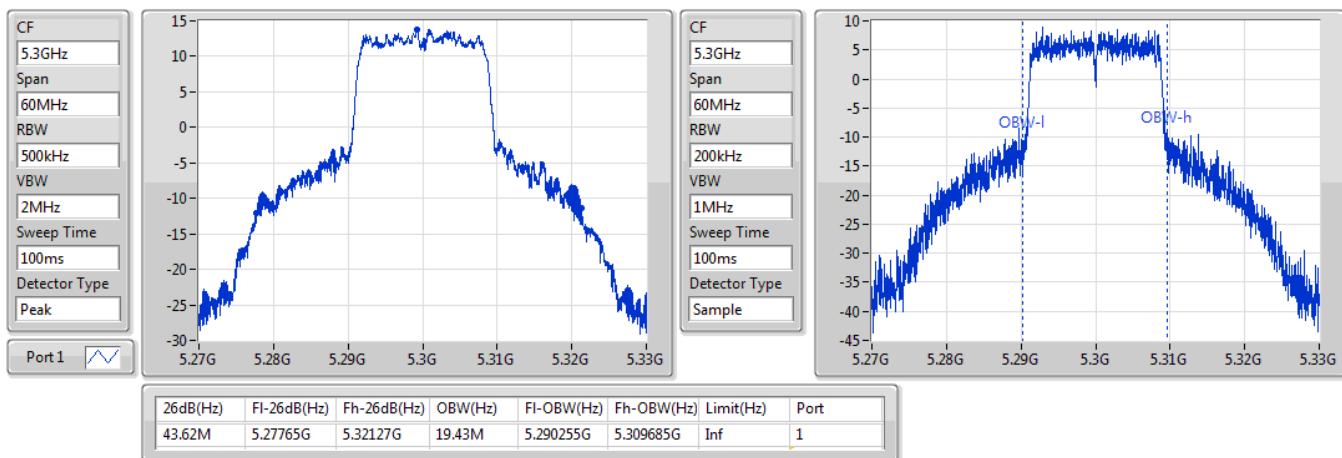

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5260MHz

02/12/2019

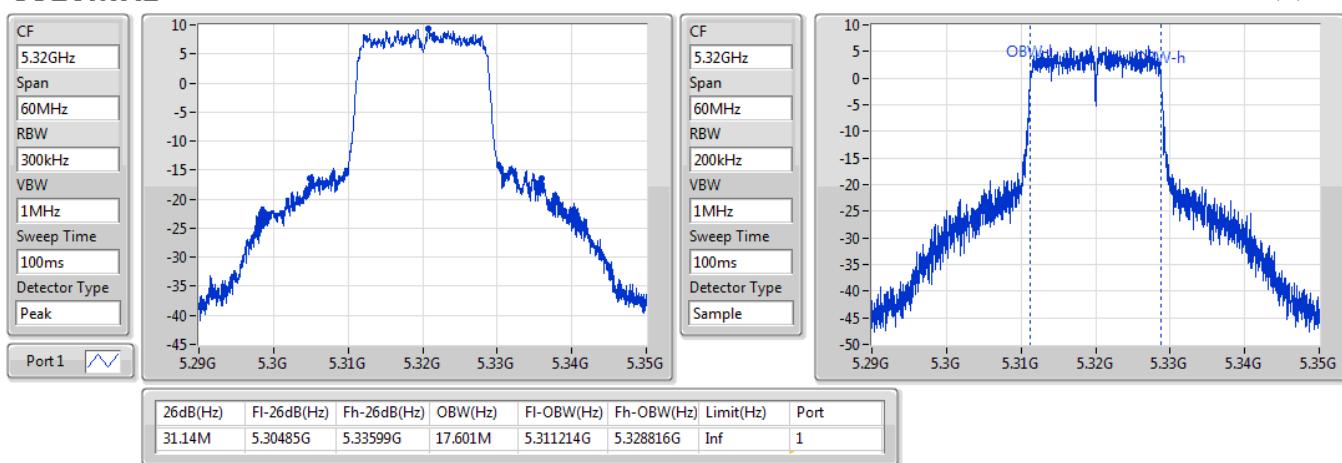


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5300MHz

02/12/2019

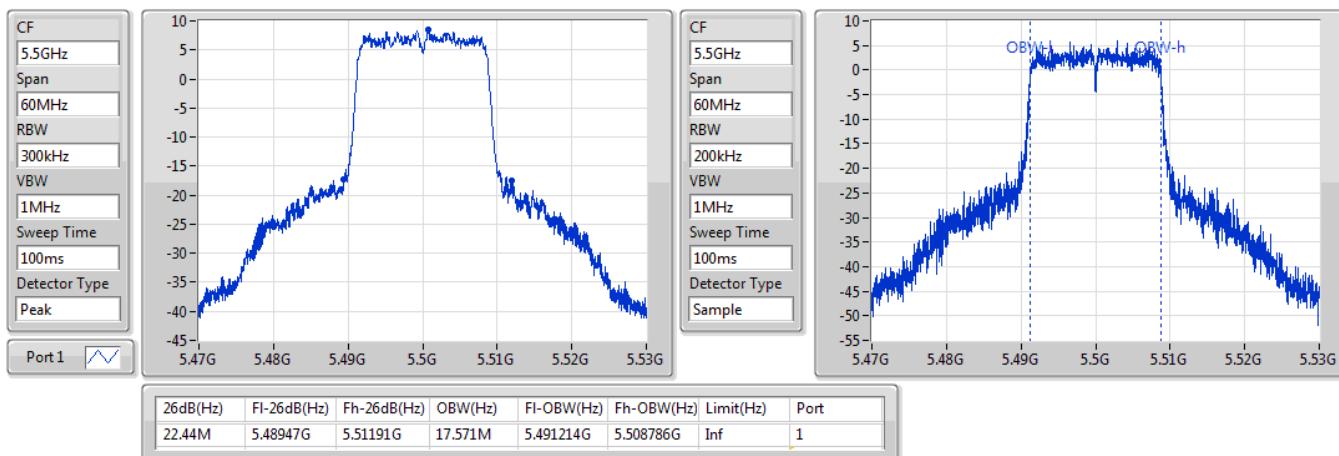

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5320MHz

02/12/2019

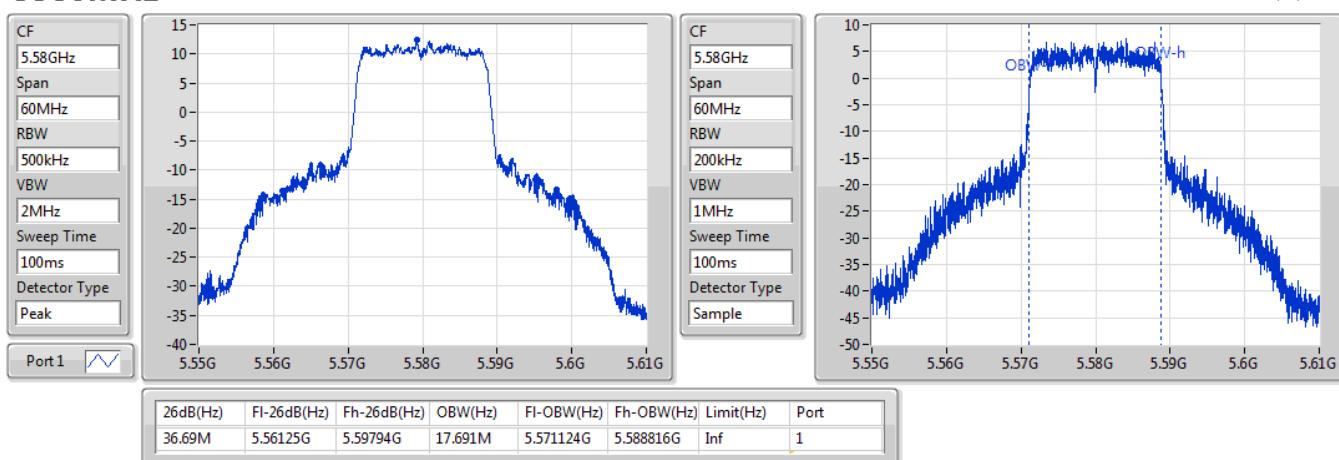


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5500MHz

02/12/2019

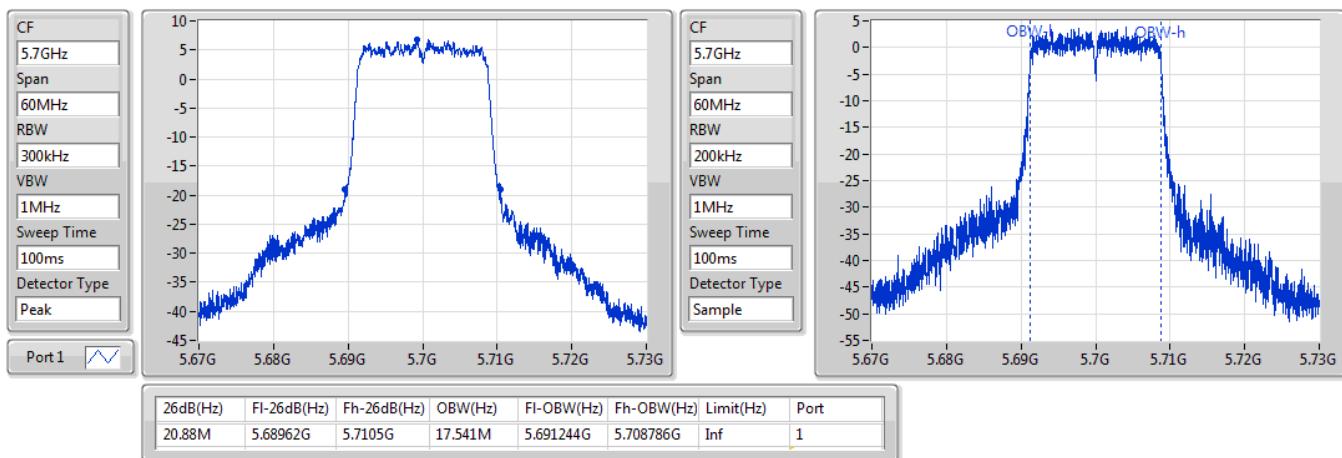

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5580MHz

02/12/2019

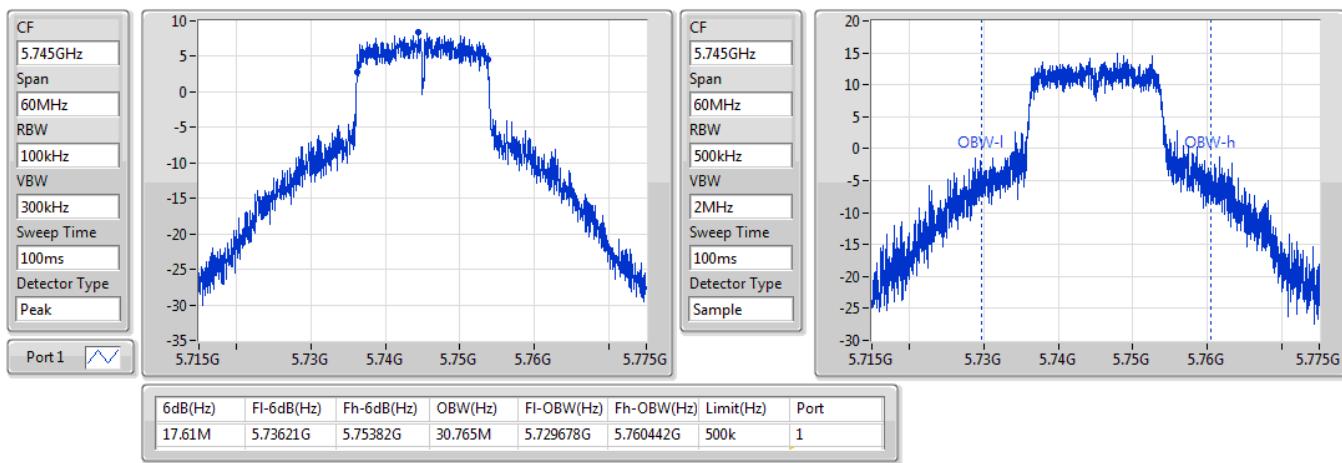


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5700MHz

02/12/2019

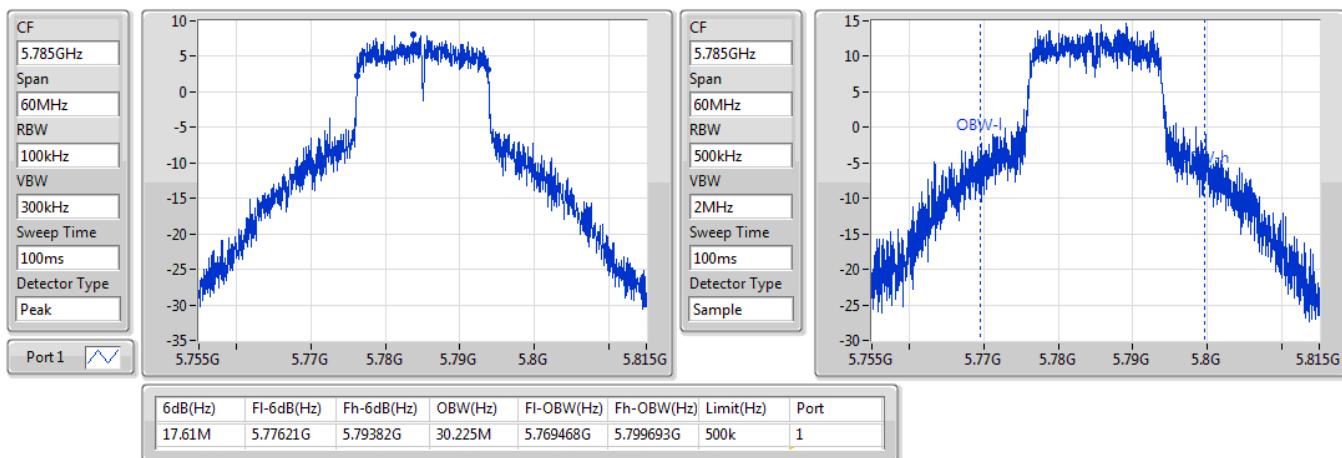

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5745MHz

02/12/2019

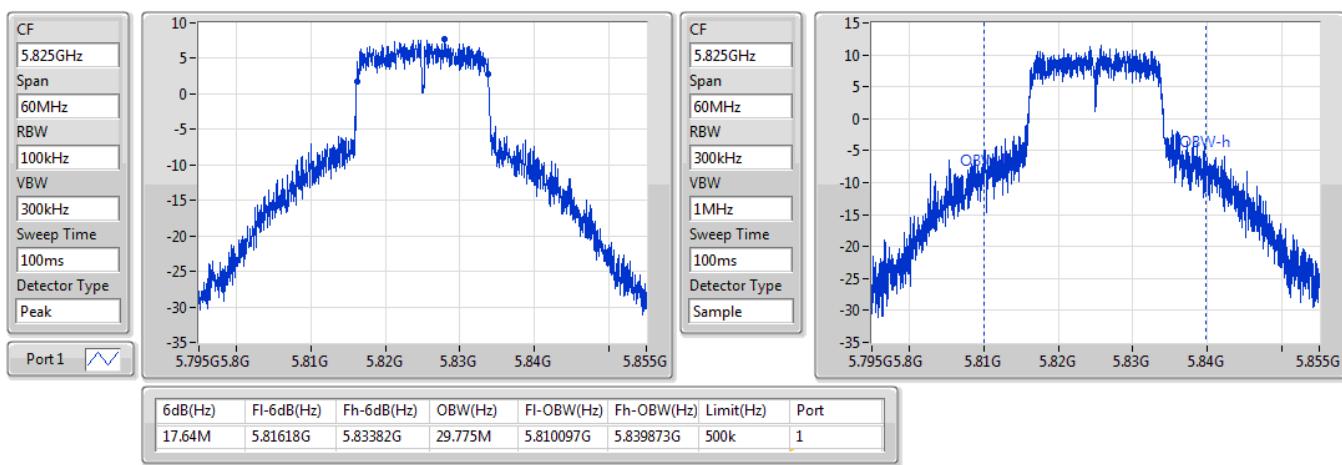


802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5785MHz

02/12/2019

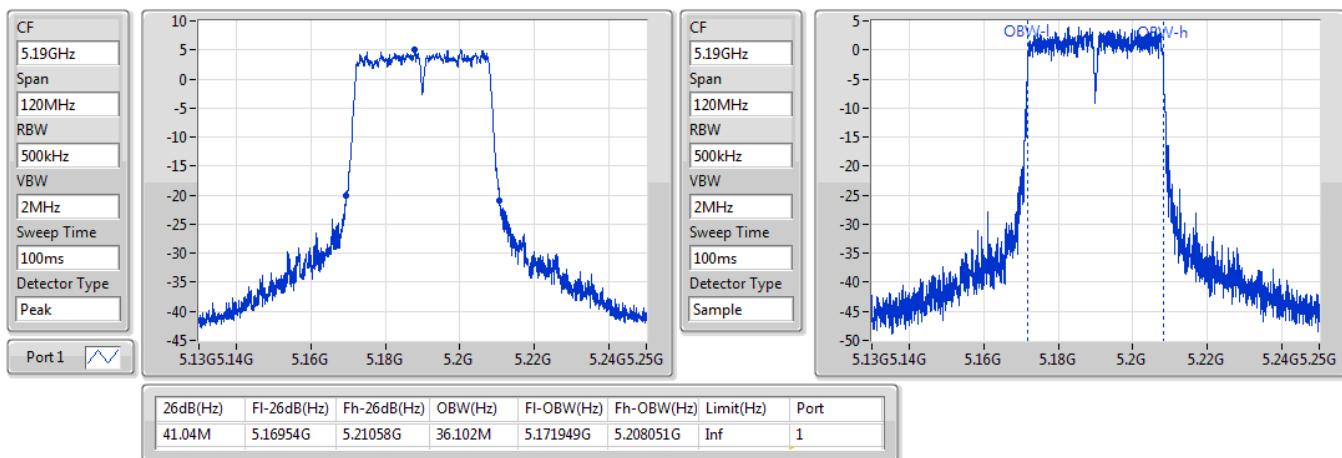

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW
5825MHz

02/12/2019

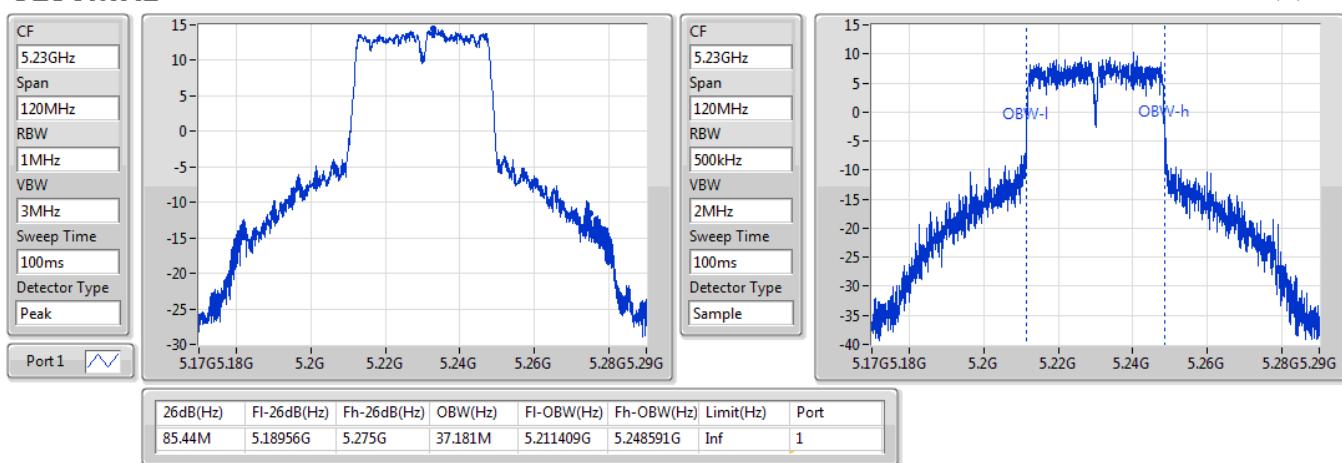


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5190MHz

02/12/2019

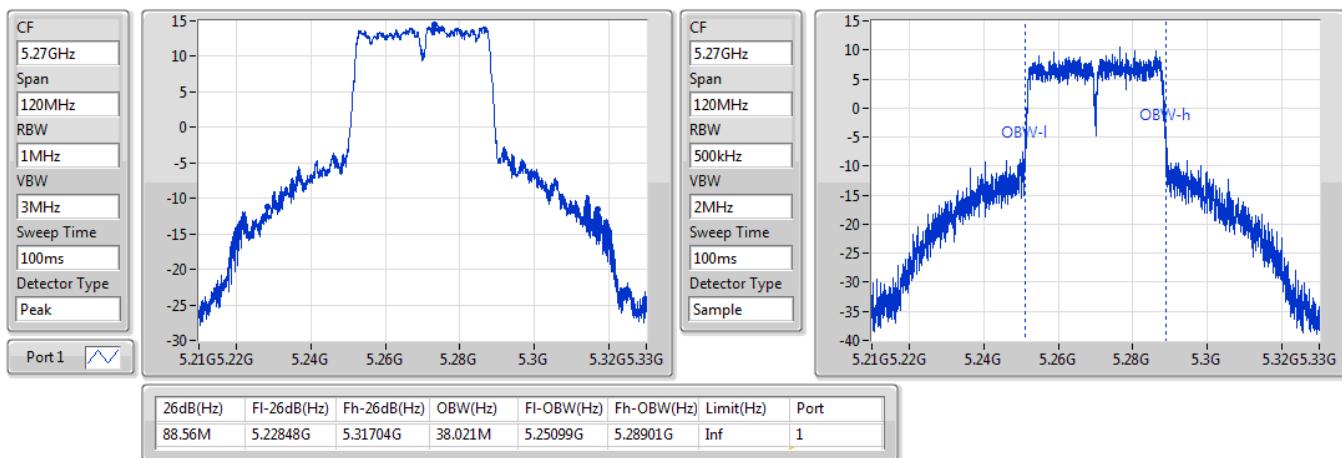

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5230MHz

02/12/2019

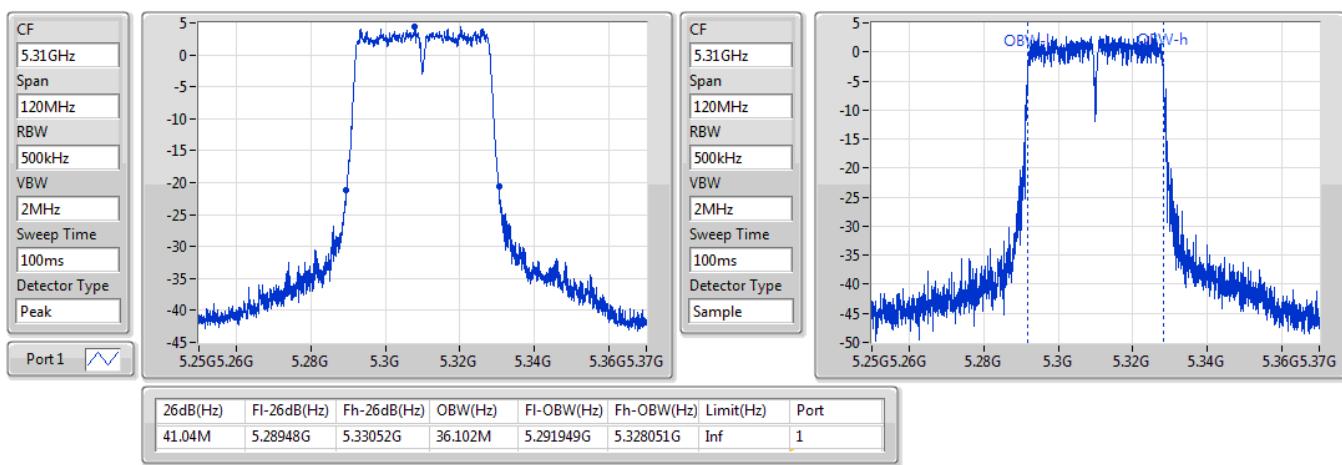


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5270MHz

02/12/2019

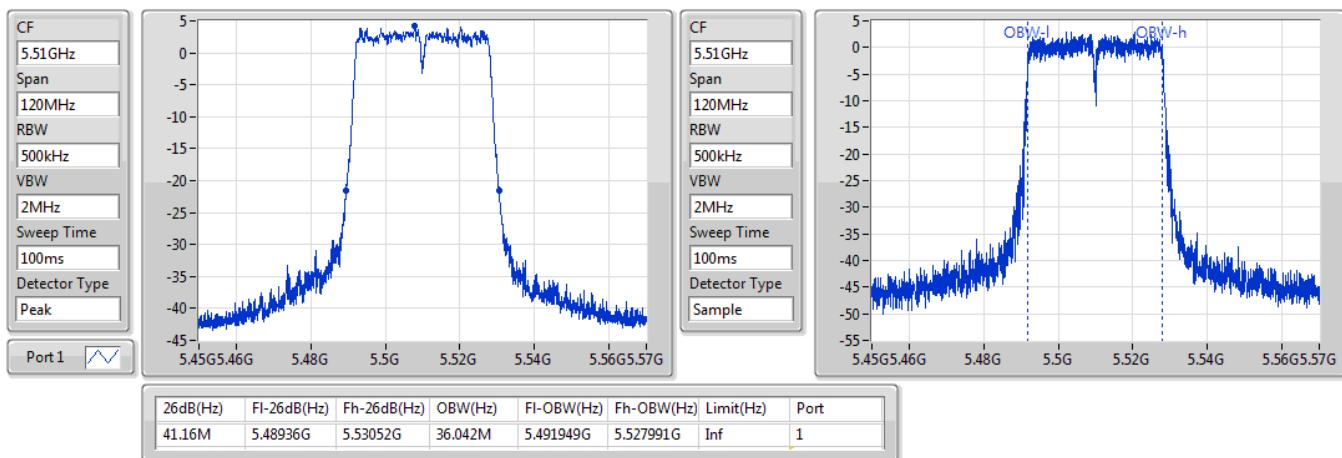

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5310MHz

02/12/2019

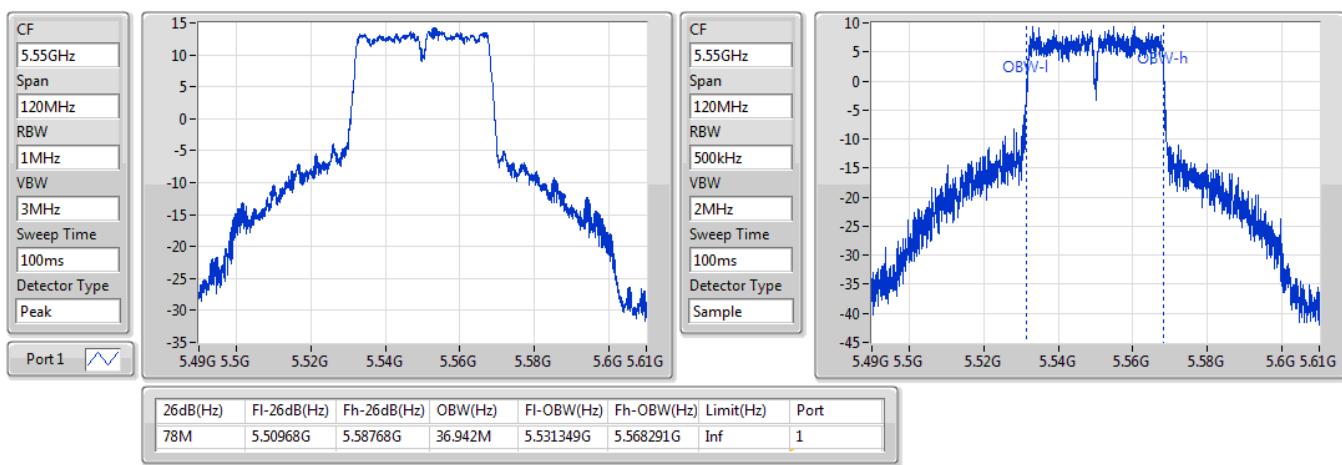


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5510MHz

02/12/2019

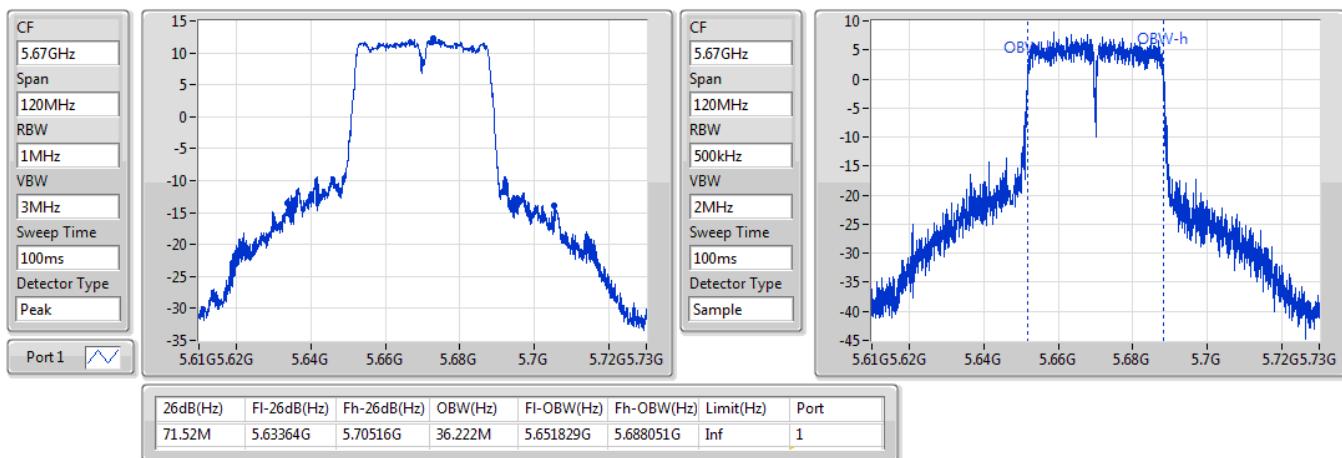

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5550MHz

02/12/2019

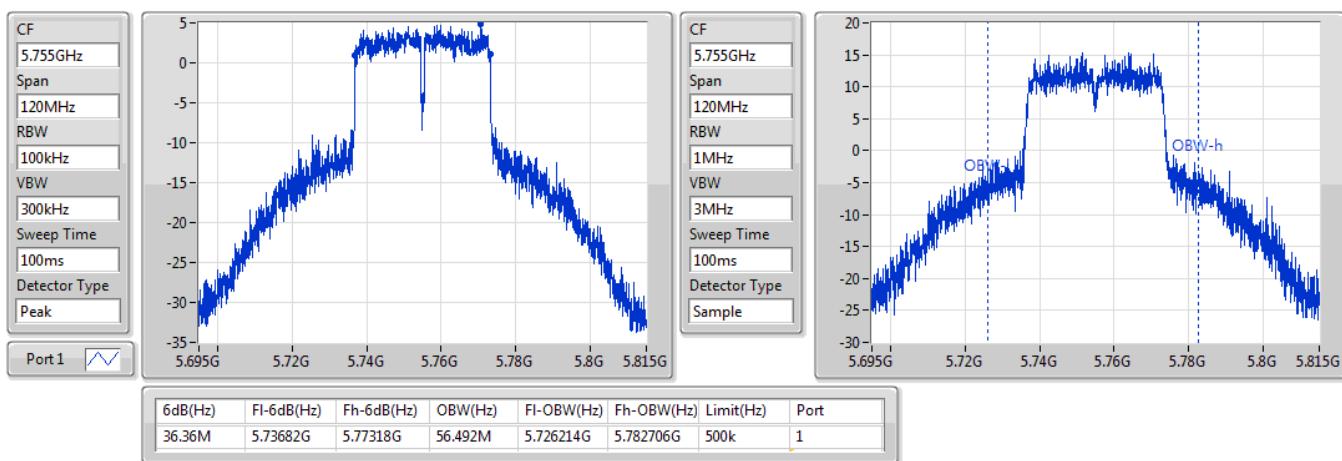


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5670MHz

02/12/2019

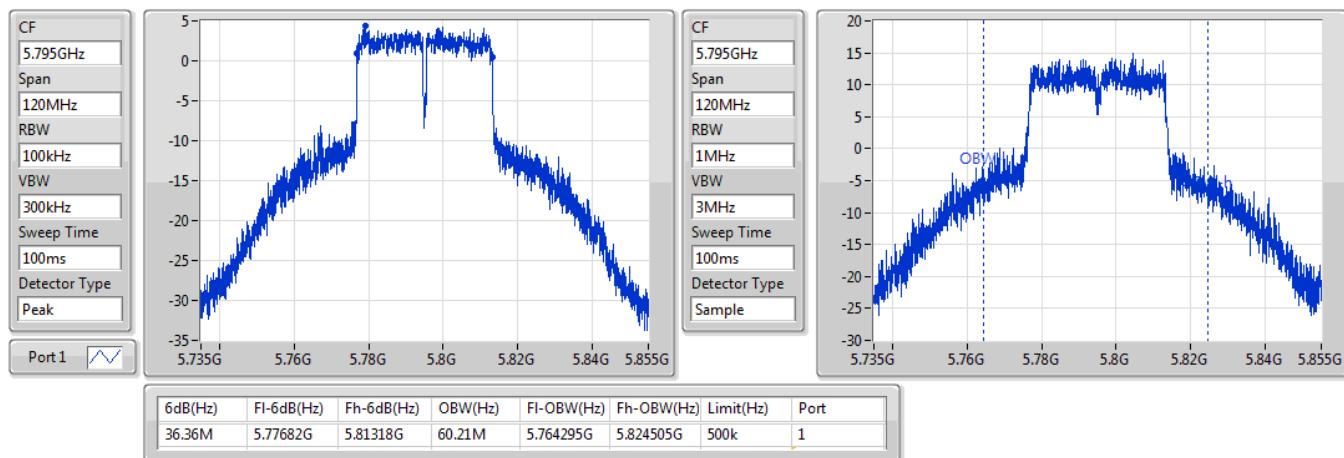

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5755MHz

02/12/2019

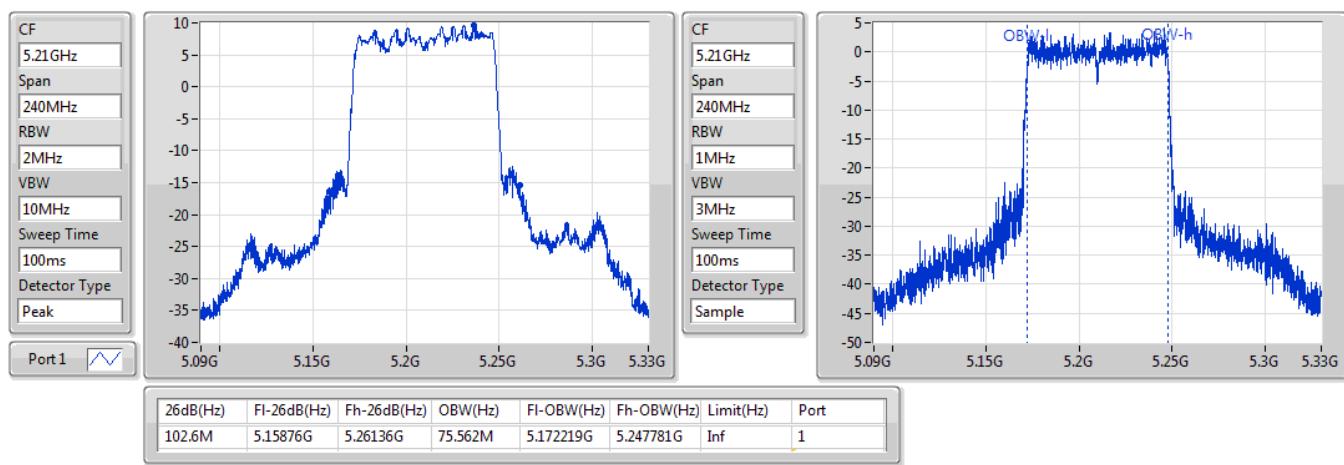


802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5795MHz

02/12/2019

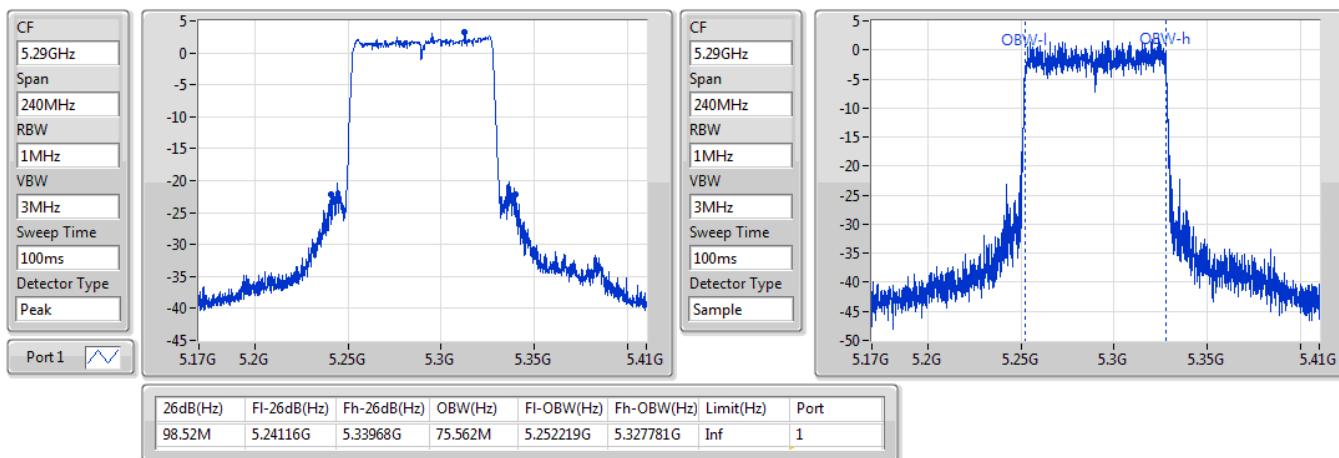

802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5210MHz

02/12/2019

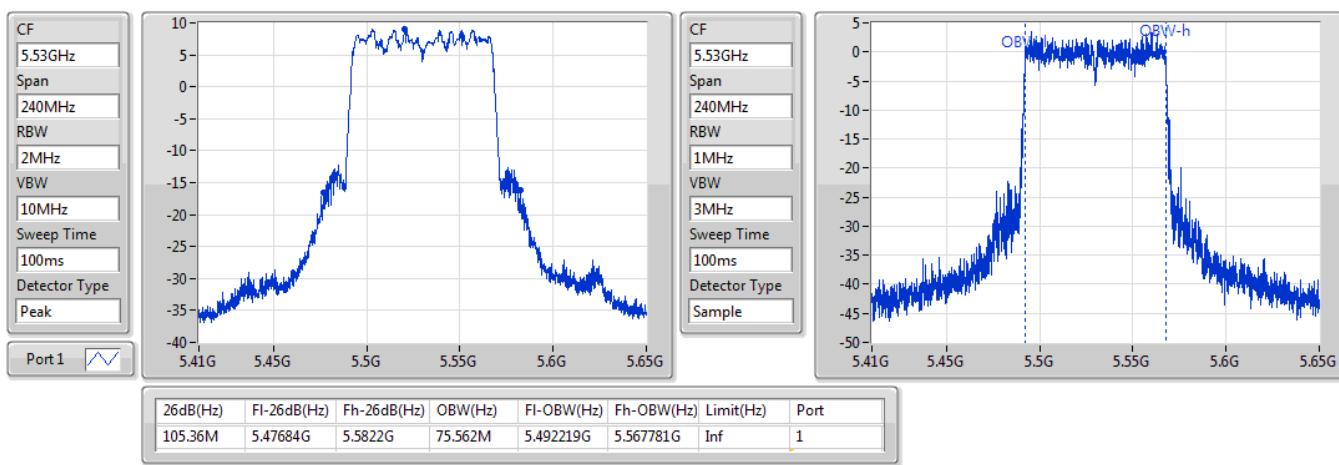


802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5290MHz

02/12/2019

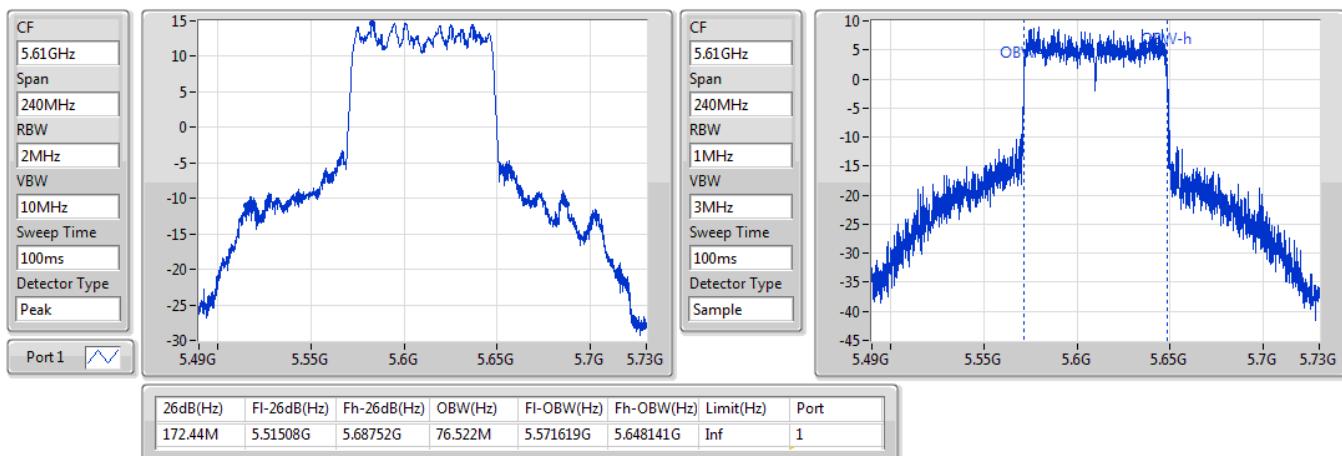

802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5530MHz

02/12/2019

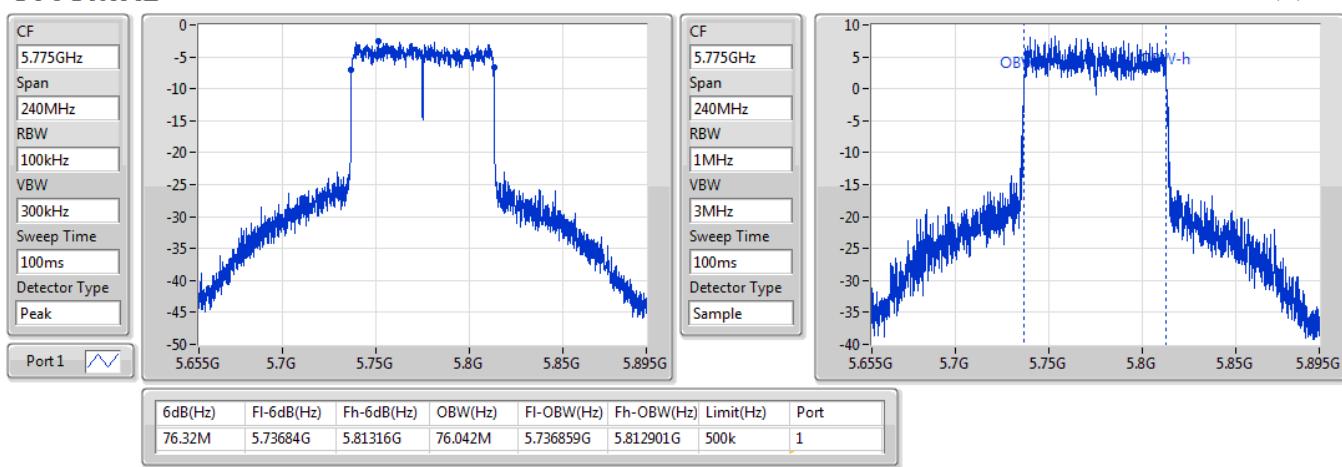


802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5610MHz

02/12/2019


802.11ac VHT80_Nss1,(MCS0)_1TX
EBW
5775MHz

02/12/2019



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	20.25	0.10593
802.11ac VHT20_Nss1,(MCS0)_1TX	20.17	0.10399
802.11ac VHT40_Nss1,(MCS0)_1TX	19.80	0.09550
802.11ac VHT80_Nss1,(MCS0)_1TX	13.39	0.02183
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.97	0.09931
802.11ac VHT20_Nss1,(MCS0)_1TX	19.92	0.09817
802.11ac VHT40_Nss1,(MCS0)_1TX	19.84	0.09638
802.11ac VHT80_Nss1,(MCS0)_1TX	11.71	0.01483
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.89	0.09750
802.11ac VHT20_Nss1,(MCS0)_1TX	18.58	0.07211
802.11ac VHT40_Nss1,(MCS0)_1TX	19.45	0.08810
802.11ac VHT80_Nss1,(MCS0)_1TX	18.29	0.06745
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.41	0.13836
802.11ac VHT20_Nss1,(MCS0)_1TX	21.44	0.13932
802.11ac VHT40_Nss1,(MCS0)_1TX	21.42	0.13868
802.11ac VHT80_Nss1,(MCS0)_1TX	17.62	0.05781



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	2.20	18.08	18.08	30.00
5200MHz	Pass	2.20	20.25	20.25	30.00
5240MHz	Pass	2.20	19.91	19.91	30.00
5260MHz	Pass	2.30	19.54	19.54	23.98
5300MHz	Pass	2.30	19.97	19.97	23.98
5320MHz	Pass	2.30	19.11	19.11	23.98
5500MHz	Pass	2.60	17.93	17.93	23.98
5580MHz	Pass	2.60	19.89	19.89	23.98
5700MHz	Pass	2.60	15.92	15.92	23.98
5745MHz	Pass	1.90	21.41	21.41	30.00
5785MHz	Pass	1.90	21.13	21.13	30.00
5825MHz	Pass	1.90	20.77	20.77	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	2.20	18.15	18.15	30.00
5200MHz	Pass	2.20	20.17	20.17	30.00
5240MHz	Pass	2.20	19.75	19.75	30.00
5260MHz	Pass	2.30	19.47	19.47	23.98
5300MHz	Pass	2.30	19.92	19.92	23.98
5320MHz	Pass	2.30	17.71	17.71	23.98
5500MHz	Pass	2.60	16.96	16.96	23.98
5580MHz	Pass	2.60	18.58	18.58	23.98
5700MHz	Pass	2.60	15.48	15.48	23.98
5745MHz	Pass	1.90	21.44	21.44	30.00
5785MHz	Pass	1.90	21.17	21.17	30.00
5825MHz	Pass	1.90	21.05	21.05	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	2.20	14.57	14.57	30.00
5230MHz	Pass	2.20	19.80	19.80	30.00
5270MHz	Pass	2.30	19.84	19.84	23.98
5310MHz	Pass	2.30	13.83	13.83	23.98
5510MHz	Pass	2.60	13.62	13.62	23.98
5550MHz	Pass	2.60	19.45	19.45	23.98
5670MHz	Pass	2.60	17.97	17.97	23.98
5755MHz	Pass	1.90	21.42	21.42	30.00
5795MHz	Pass	1.90	21.19	21.19	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	2.20	13.39	13.39	30.00
5290MHz	Pass	2.30	11.71	11.71	23.98
5530MHz	Pass	2.60	13.03	13.03	23.98
5610MHz	Pass	2.60	18.29	18.29	23.98
5775MHz	Pass	1.90	17.62	17.62	30.00

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

**Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.08
802.11ac VHT20_Nss1,(MCS0)_1TX	7.67
802.11ac VHT40_Nss1,(MCS0)_1TX	4.23
802.11ac VHT80_Nss1,(MCS0)_1TX	-5.09
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.84
802.11ac VHT20_Nss1,(MCS0)_1TX	7.48
802.11ac VHT40_Nss1,(MCS0)_1TX	4.31
802.11ac VHT80_Nss1,(MCS0)_1TX	-6.75
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.78
802.11ac VHT20_Nss1,(MCS0)_1TX	6.10
802.11ac VHT40_Nss1,(MCS0)_1TX	3.75
802.11ac VHT80_Nss1,(MCS0)_1TX	-0.07
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.76
802.11ac VHT20_Nss1,(MCS0)_1TX	7.40
802.11ac VHT40_Nss1,(MCS0)_1TX	4.30
802.11ac VHT80_Nss1,(MCS0)_1TX	-2.62

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

Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	2.20	5.73	5.73	17.00
5200MHz	Pass	2.20	8.08	8.08	17.00
5240MHz	Pass	2.20	7.83	7.83	17.00
5260MHz	Pass	2.30	7.42	7.42	11.00
5300MHz	Pass	2.30	7.84	7.84	11.00
5320MHz	Pass	2.30	6.88	6.88	11.00
5500MHz	Pass	2.60	5.69	5.69	11.00
5580MHz	Pass	2.60	7.78	7.78	11.00
5700MHz	Pass	2.60	3.68	3.68	11.00
5745MHz	Pass	1.90	7.76	7.76	30.00
5785MHz	Pass	1.90	7.41	7.41	30.00
5825MHz	Pass	1.90	7.07	7.07	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	2.20	5.68	5.68	17.00
5200MHz	Pass	2.20	7.67	7.67	17.00
5240MHz	Pass	2.20	7.30	7.30	17.00
5260MHz	Pass	2.30	7.05	7.05	11.00
5300MHz	Pass	2.30	7.48	7.48	11.00
5320MHz	Pass	2.30	5.30	5.30	11.00
5500MHz	Pass	2.60	4.52	4.52	11.00
5580MHz	Pass	2.60	6.10	6.10	11.00
5700MHz	Pass	2.60	2.85	2.85	11.00
5745MHz	Pass	1.90	7.40	7.40	30.00
5785MHz	Pass	1.90	7.05	7.05	30.00
5825MHz	Pass	1.90	6.91	6.91	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	2.20	-1.17	-1.17	17.00
5230MHz	Pass	2.20	4.23	4.23	17.00
5270MHz	Pass	2.30	4.31	4.31	11.00
5310MHz	Pass	2.30	-1.96	-1.96	11.00
5510MHz	Pass	2.60	-2.07	-2.07	11.00
5550MHz	Pass	2.60	3.75	3.75	11.00
5670MHz	Pass	2.60	2.38	2.38	11.00
5755MHz	Pass	1.90	4.30	4.30	30.00
5795MHz	Pass	1.90	3.93	3.93	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	2.20	-5.09	-5.09	17.00
5290MHz	Pass	2.30	-6.75	-6.75	11.00
5530MHz	Pass	2.60	-5.65	-5.65	11.00
5610MHz	Pass	2.60	-0.07	-0.07	11.00
5775MHz	Pass	1.90	-2.62	-2.62	30.00

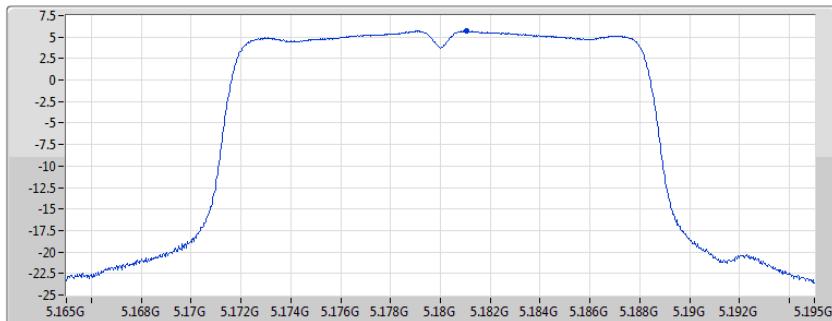
DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

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

802.11a_Nss1,(6Mbps)_1TX
PSD
5180MHz

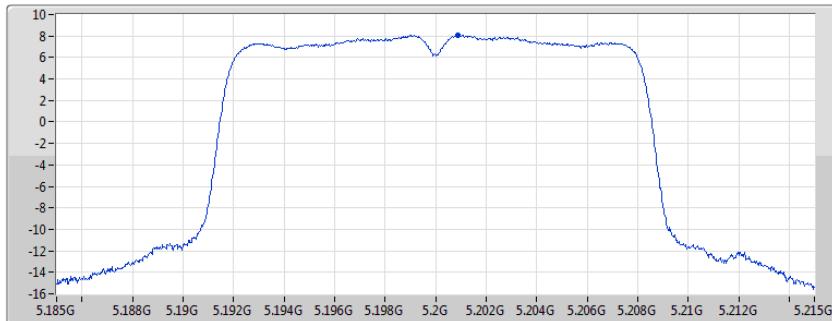
02/12/2019

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS


Port 1
802.11a_Nss1,(6Mbps)_1TX
PSD
5200MHz

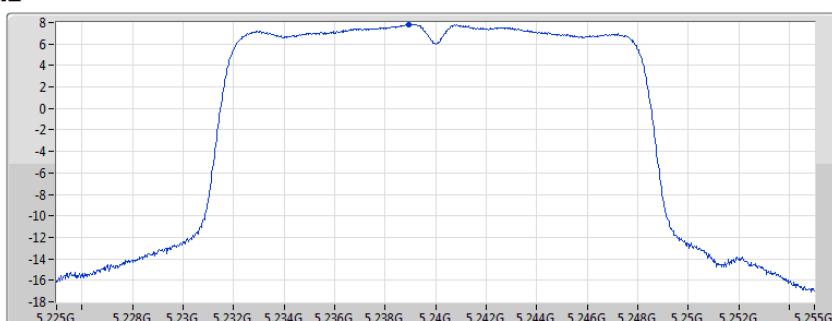
02/12/2019

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS


Port 1
802.11a_Nss1,(6Mbps)_1TX
PSD
5240MHz

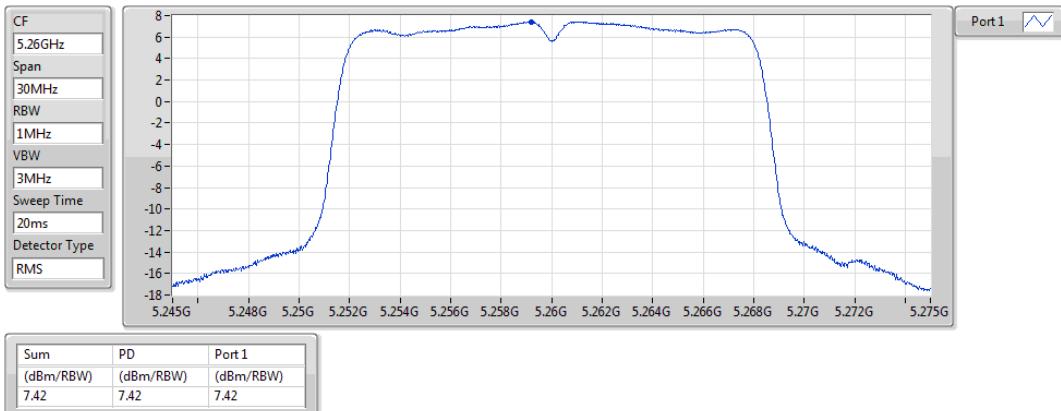
02/12/2019

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS

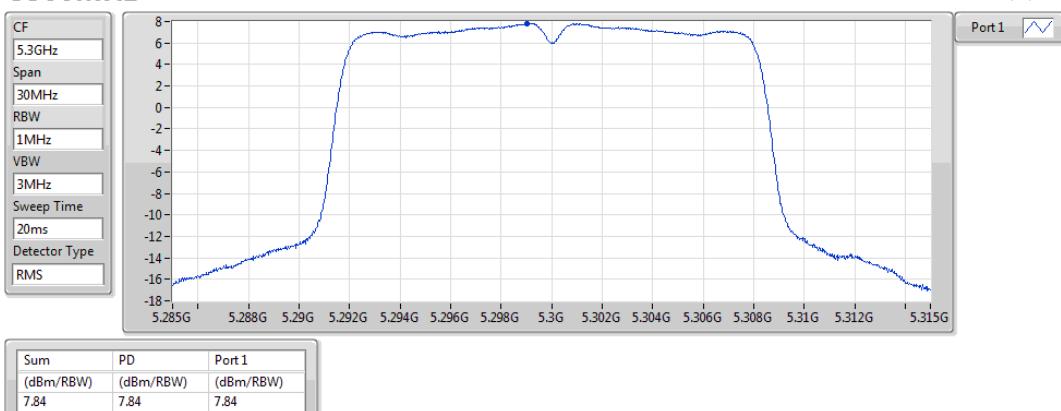

Port 1

802.11a_Nss1,(6Mbps)_1TX
PSD
5260MHz

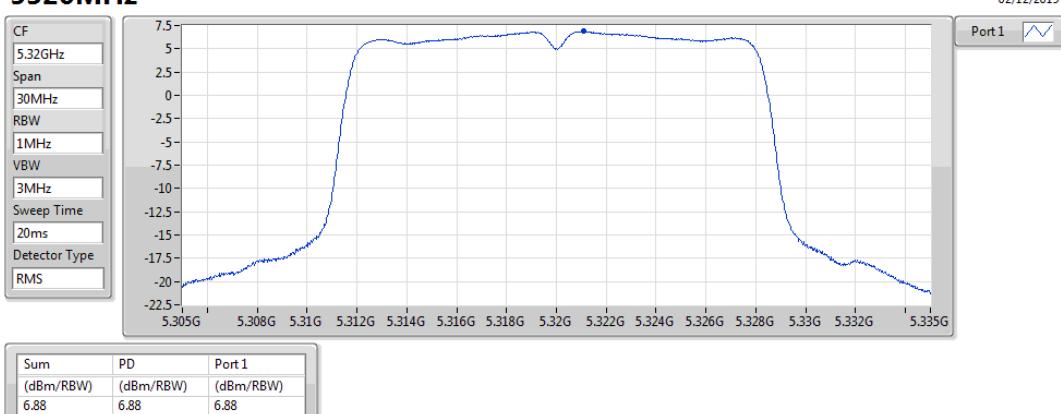
02/12/2019


802.11a_Nss1,(6Mbps)_1TX
PSD
5300MHz

02/12/2019


802.11a_Nss1,(6Mbps)_1TX
PSD
5320MHz

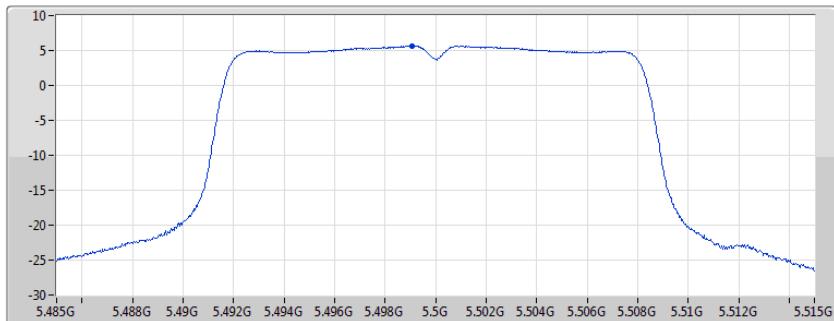
02/12/2019



802.11a_Nss1,(6Mbps)_1TX
PSD
5500MHz

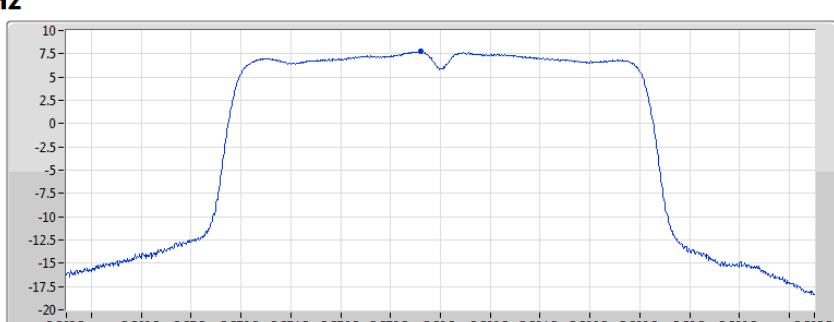
02/12/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS


Port 1
802.11a_Nss1,(6Mbps)_1TX
PSD
5580MHz

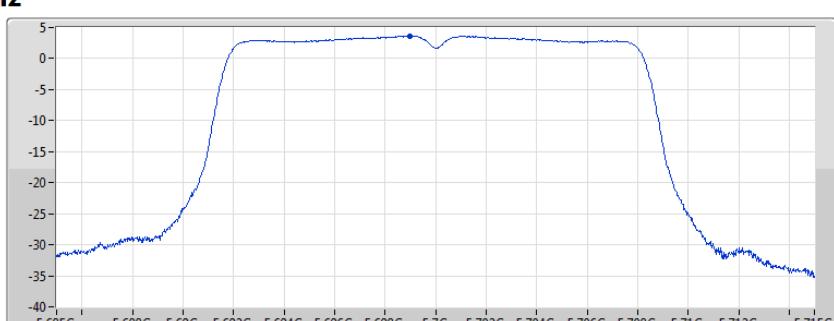
02/12/2019

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS


Port 1
802.11a_Nss1,(6Mbps)_1TX
PSD
5700MHz

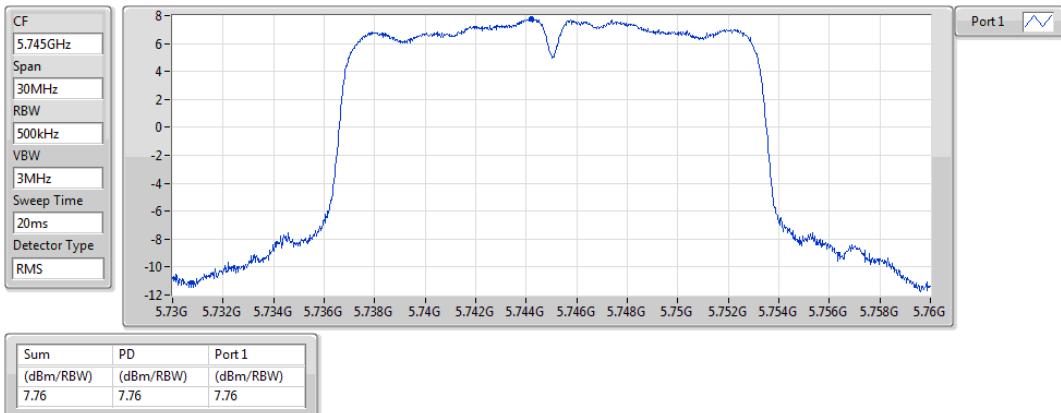
02/12/2019

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS

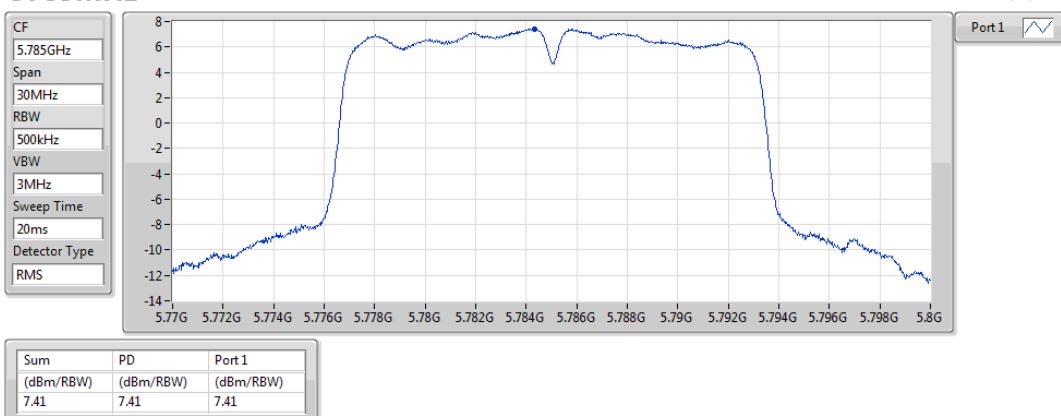

Port 1

802.11a_Nss1,(6Mbps)_1TX
PSD
5745MHz

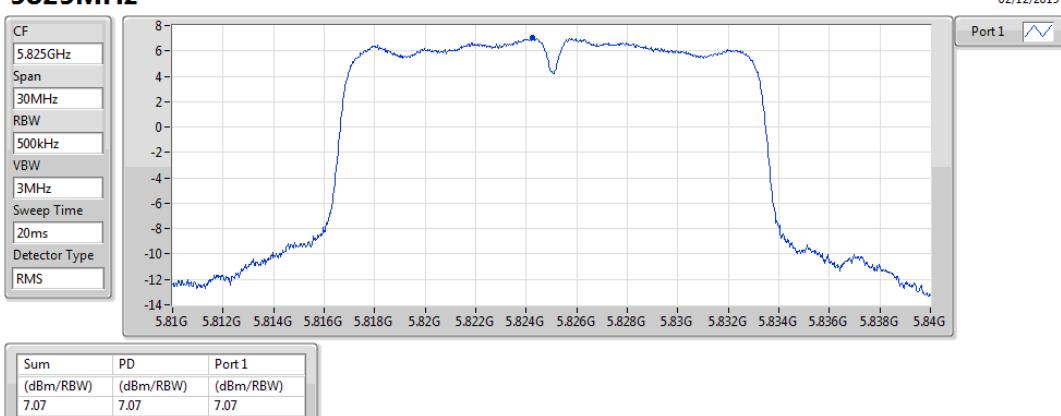
02/12/2019

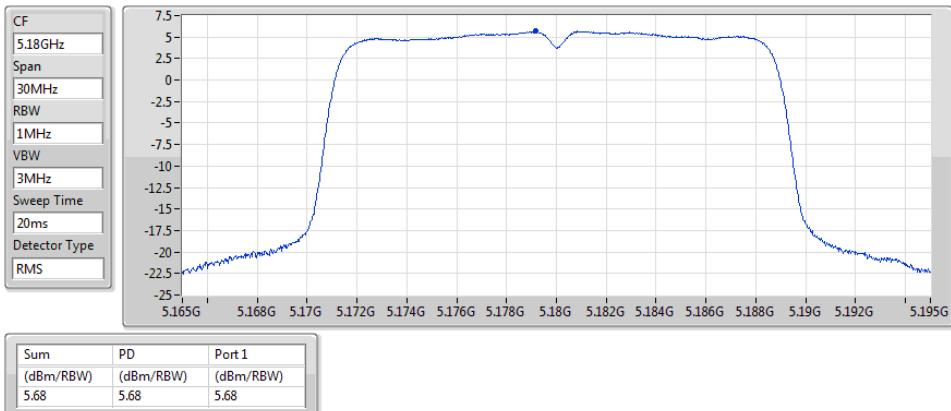
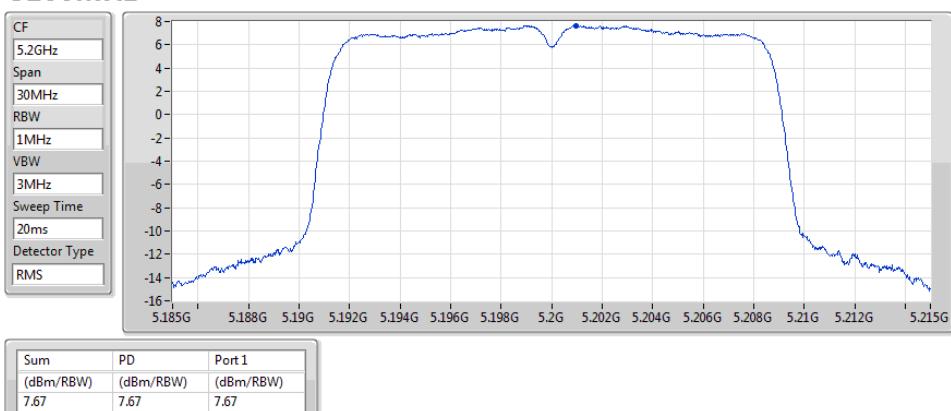
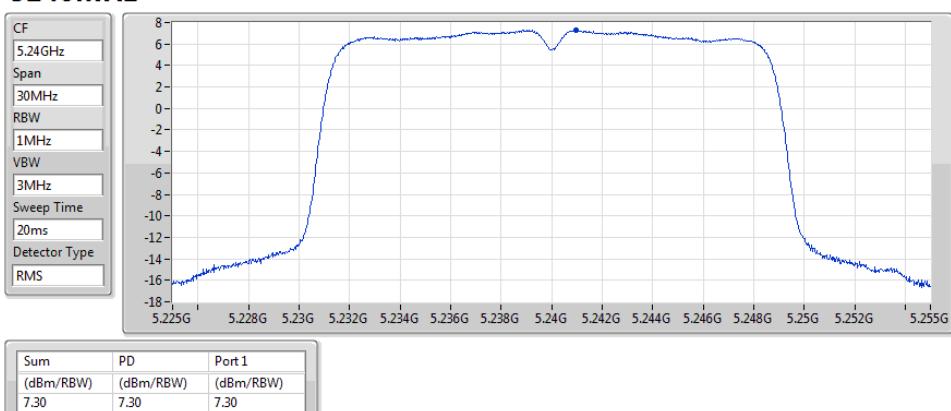

802.11a_Nss1,(6Mbps)_1TX
PSD
5785MHz

02/12/2019


802.11a_Nss1,(6Mbps)_1TX
PSD
5825MHz

02/12/2019

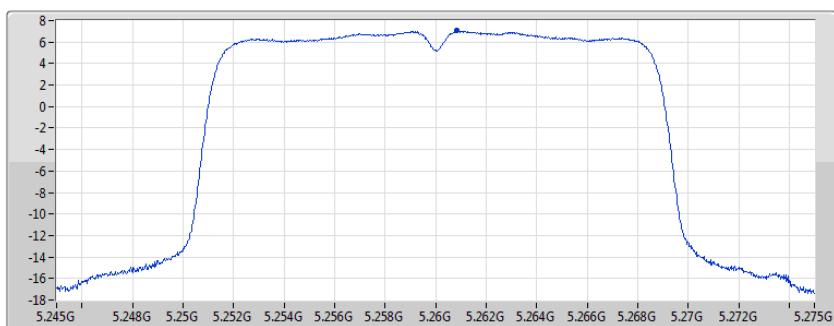


802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5180MHz

802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5200MHz

802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5240MHz


802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5260MHz

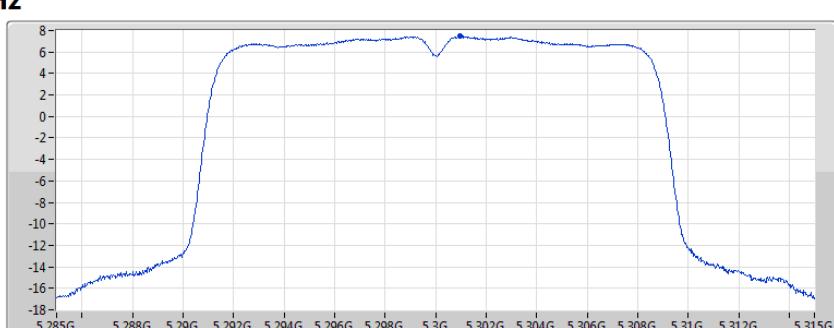
02/12/2019

CF	5.26GHz
Span	30MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS


Port 1
802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5300MHz

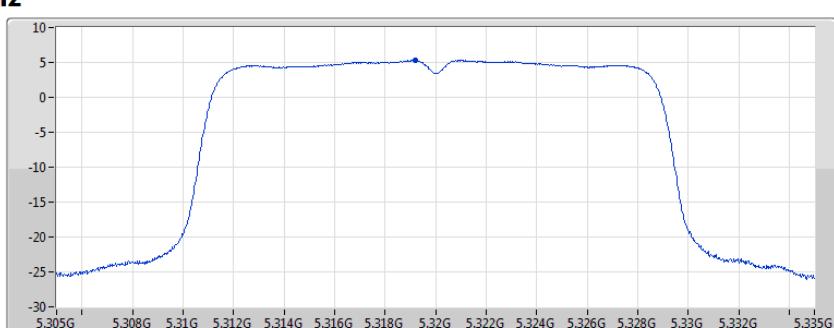
02/12/2019

CF	5.3GHz
Span	30MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS


Port 1
802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5320MHz

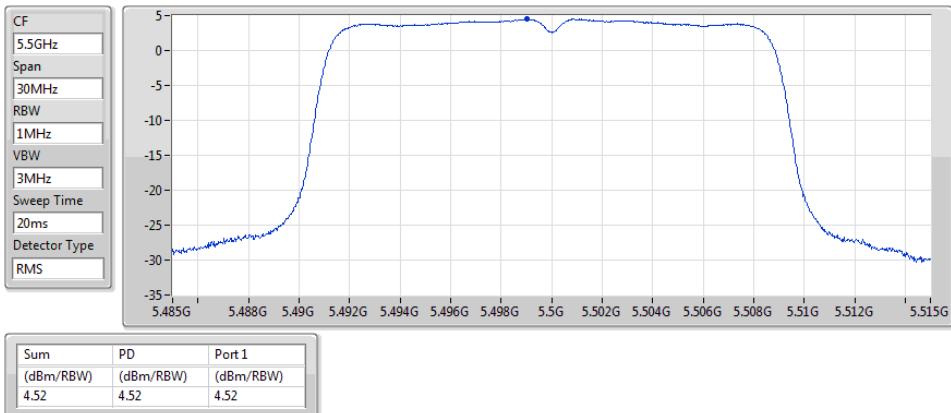
02/12/2019

CF	5.32GHz
Span	30MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS

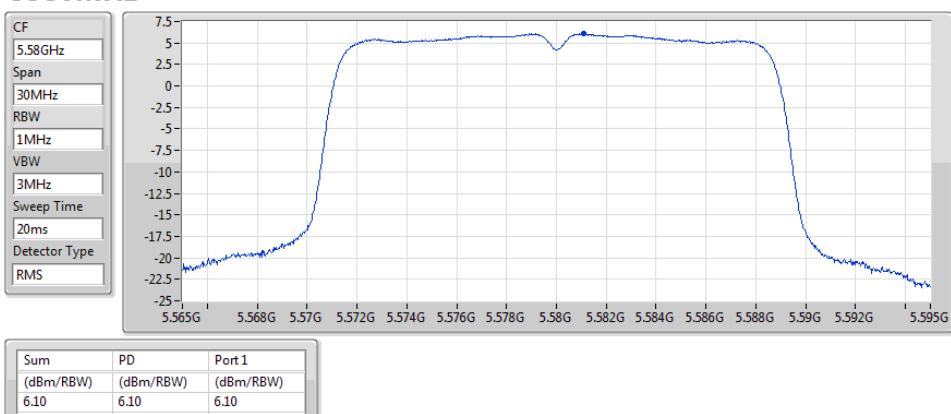

Port 1

802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5500MHz

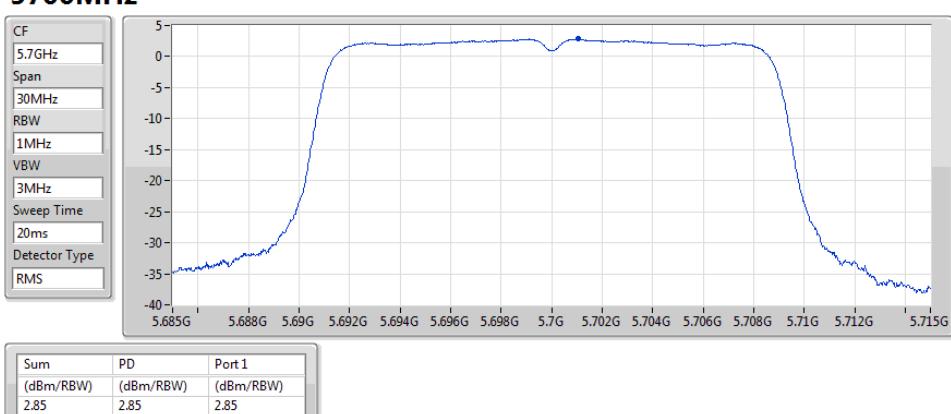
02/12/2019


802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5580MHz

02/12/2019

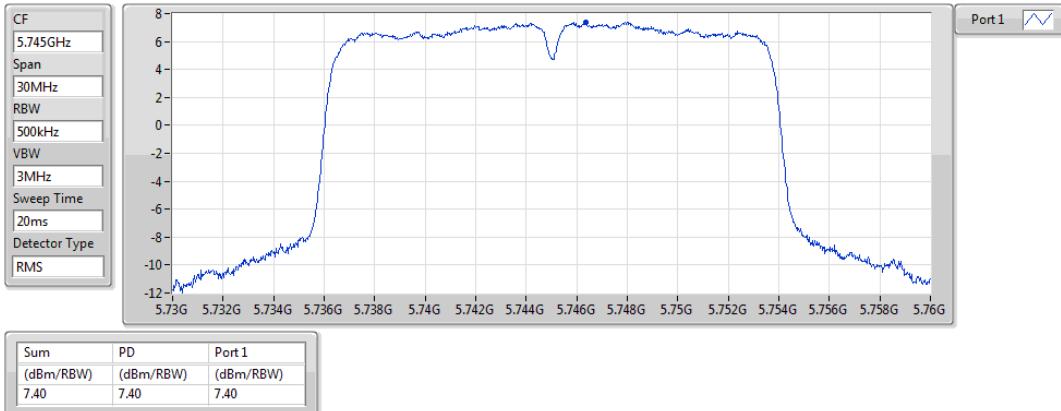

802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5700MHz

02/12/2019

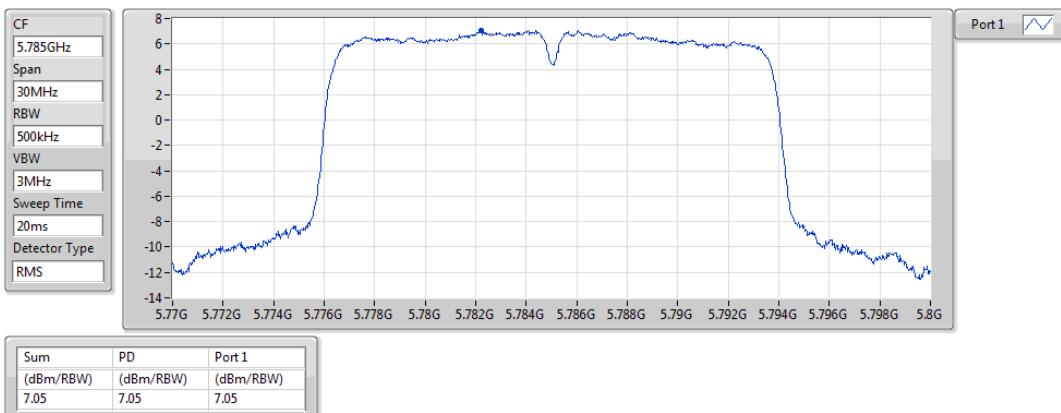


802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5745MHz

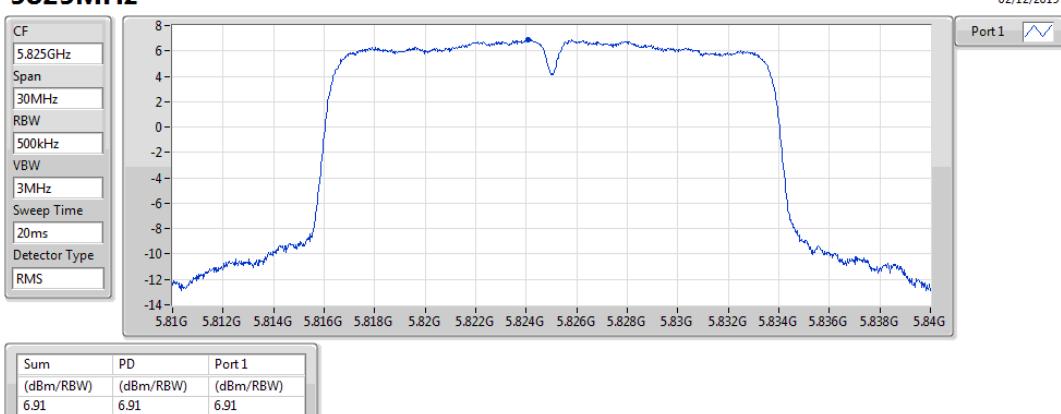
02/12/2019


802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5785MHz

02/12/2019

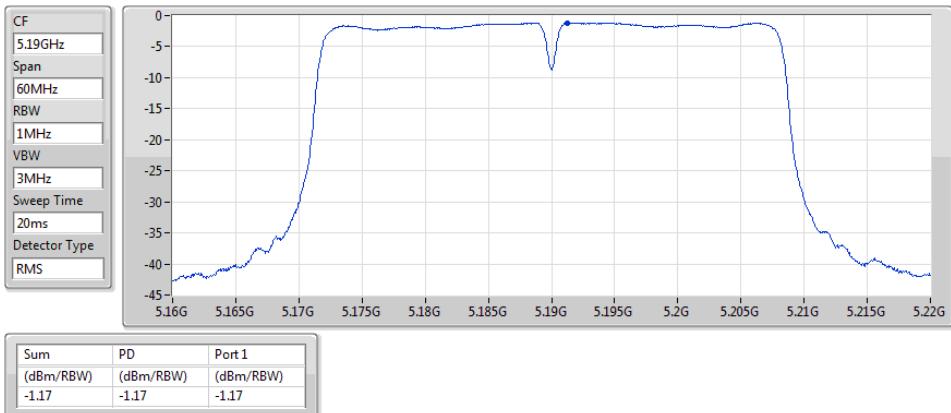

802.11ac VHT20_Nss1,(MCS0)_1TX
PSD
5825MHz

02/12/2019

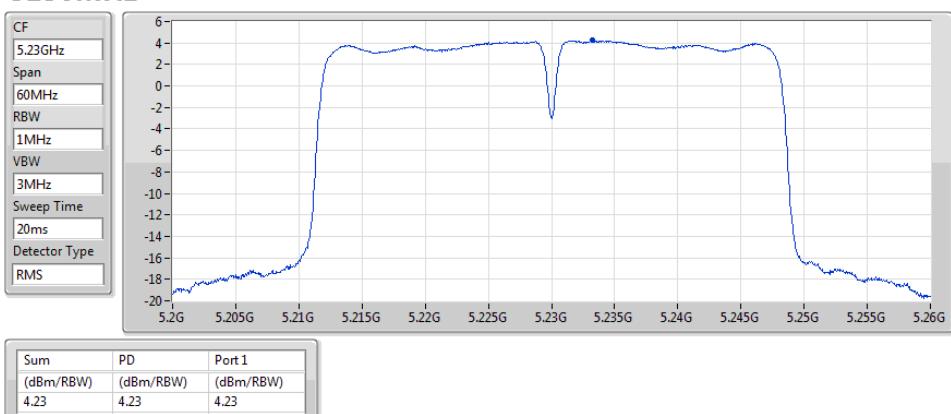


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5190MHz

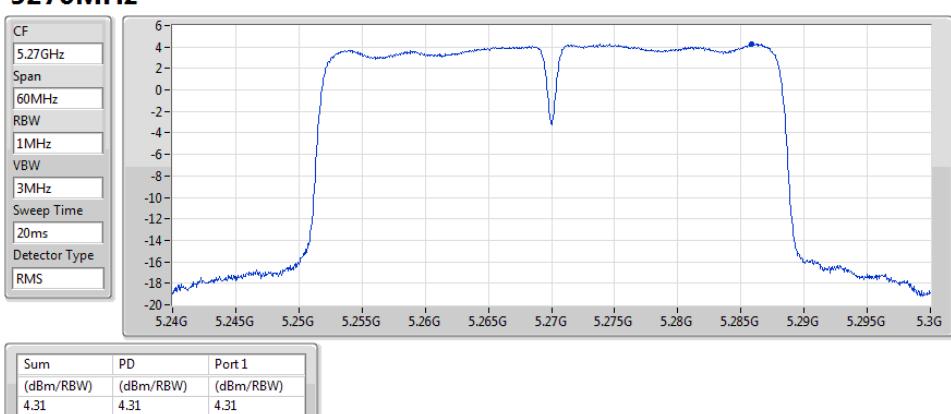
02/12/2019


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5230MHz

02/12/2019

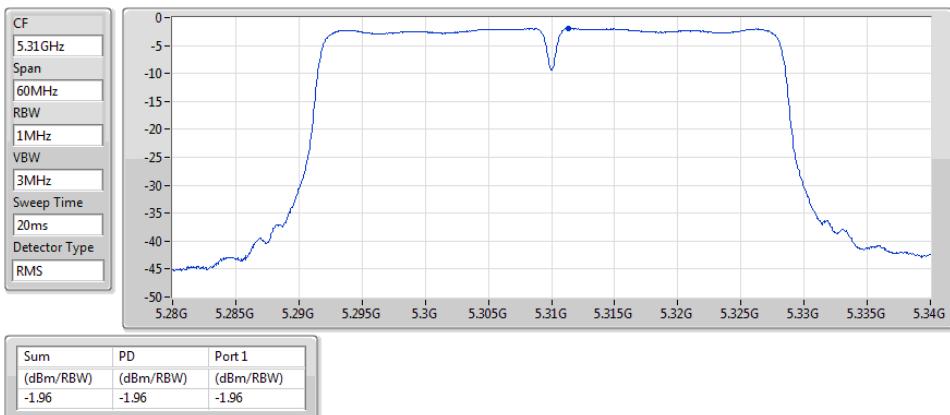

802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5270MHz

02/12/2019

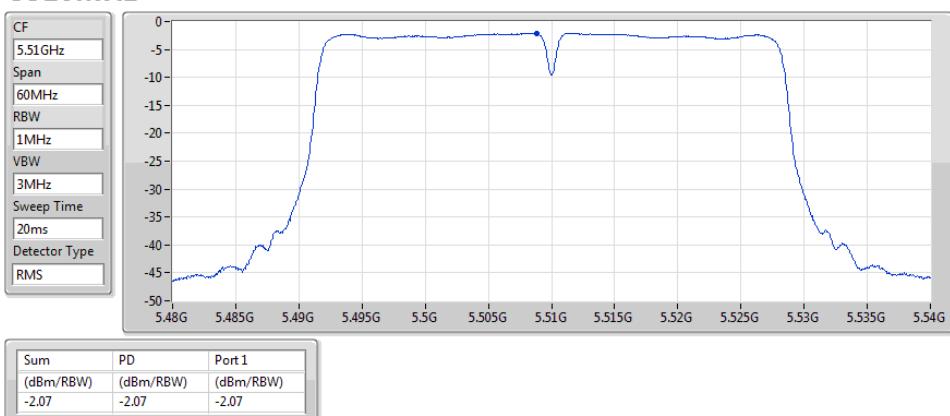


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5310MHz

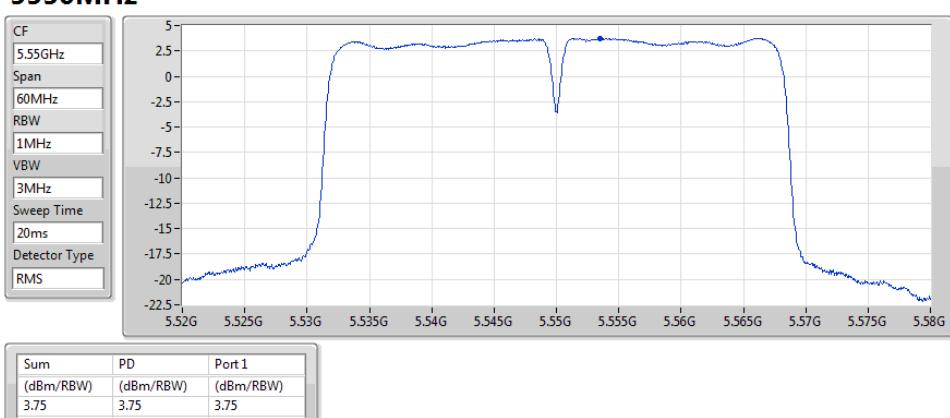
02/12/2019


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5510MHz

02/12/2019


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5550MHz

02/12/2019

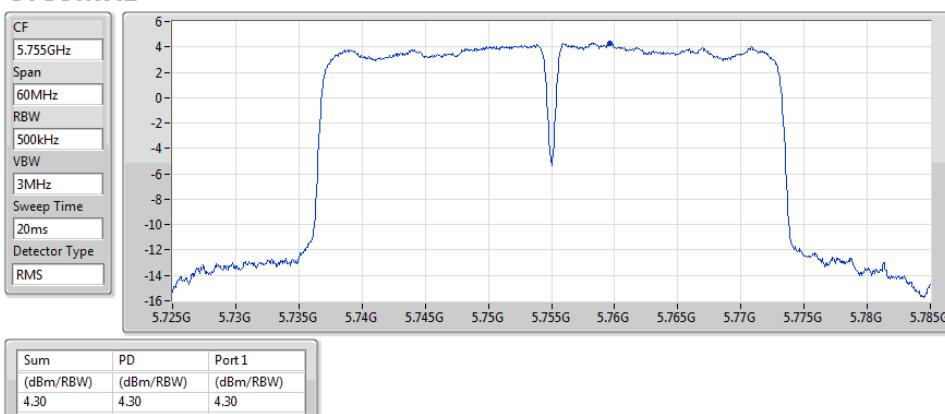


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5670MHz

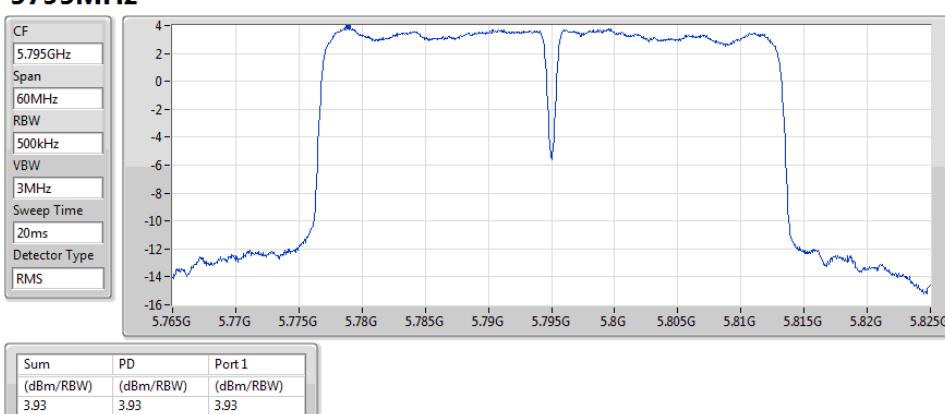
02/12/2019


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5755MHz

02/12/2019


802.11ac VHT40_Nss1,(MCS0)_1TX
PSD
5795MHz

02/12/2019



802.11ac VHT80_Nss1,(MCS0)_1TX
PSD
5210MHz

02/12/2019

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS

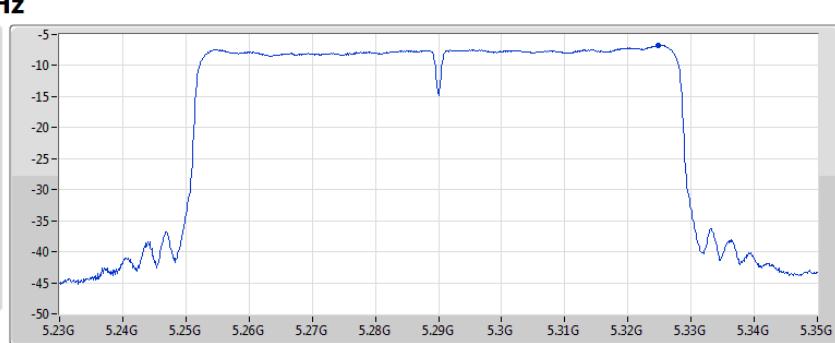


Port 1


802.11ac VHT80_Nss1,(MCS0)_1TX
PSD
5290MHz

02/12/2019

CF
5.29GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1


802.11ac VHT80_Nss1,(MCS0)_1TX
PSD
5530MHz

02/12/2019

CF
5.53GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1



802.11ac VHT80_Nss1,(MCS0)_1TX
PSD
5610MHz

02/12/2019

CF
5.61GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.07	-0.07	-0.07

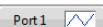
802.11ac VHT80_Nss1,(MCS0)_1TX
PSD
5775MHz

02/12/2019

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

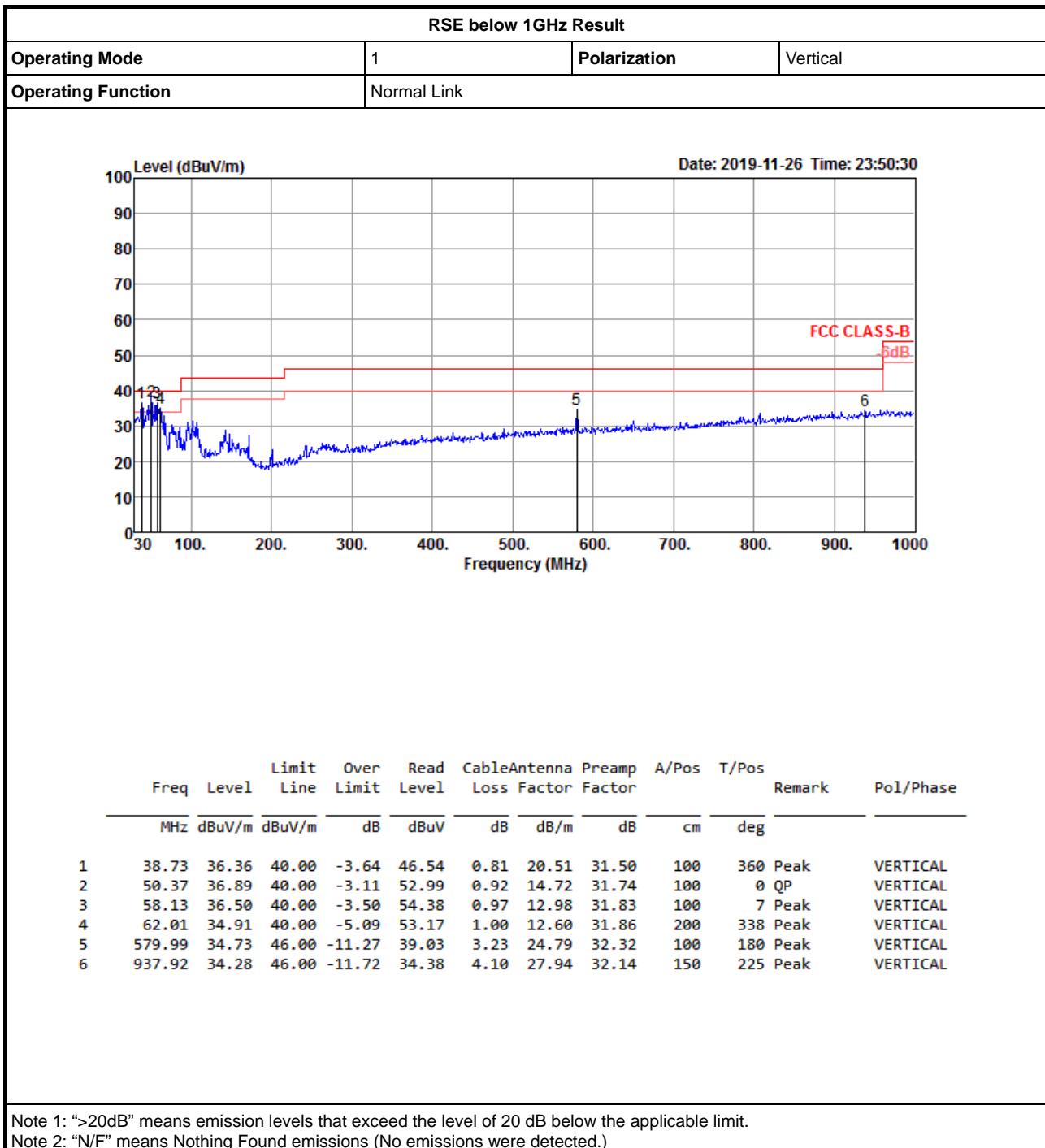


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.62	-2.62	-2.62



RSE below 1GHz Result

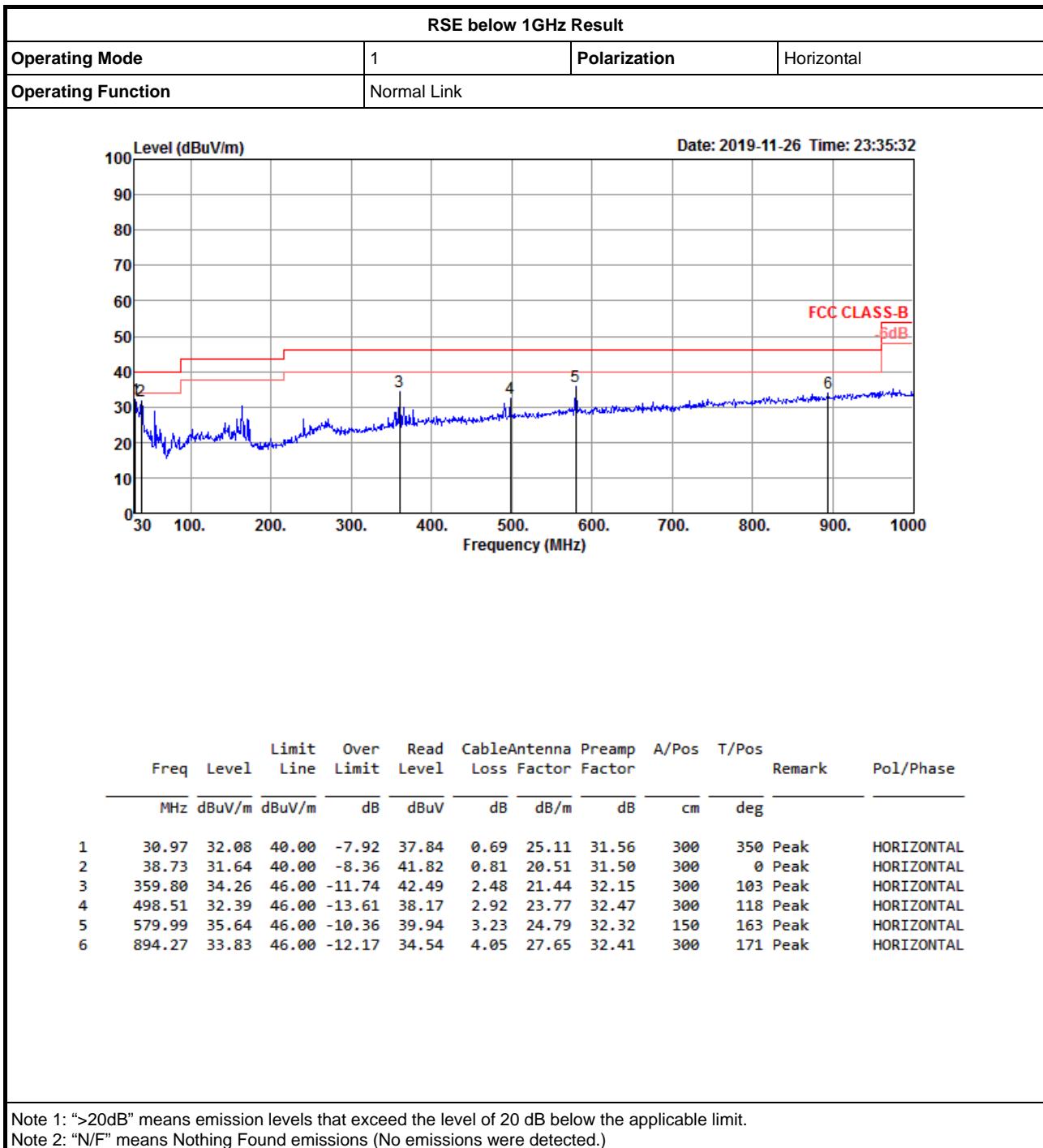
Appendix E.1





RSE below 1GHz Result

Appendix E.1

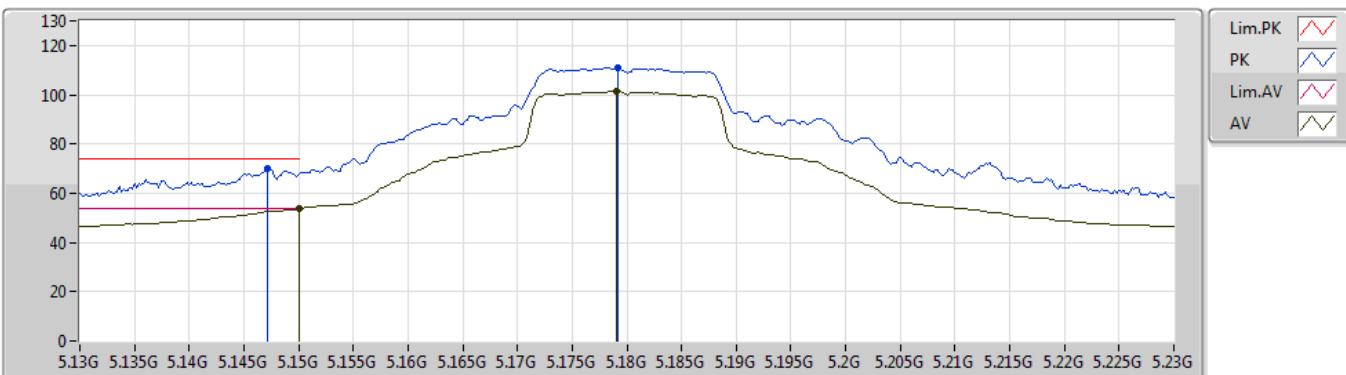


**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_1TX	Pass	AV	5.35G	53.95	54.00	-0.05	8.28	3	Vertical	146	1.67	-

802.11a_Nss1,(6Mbps)_1TX

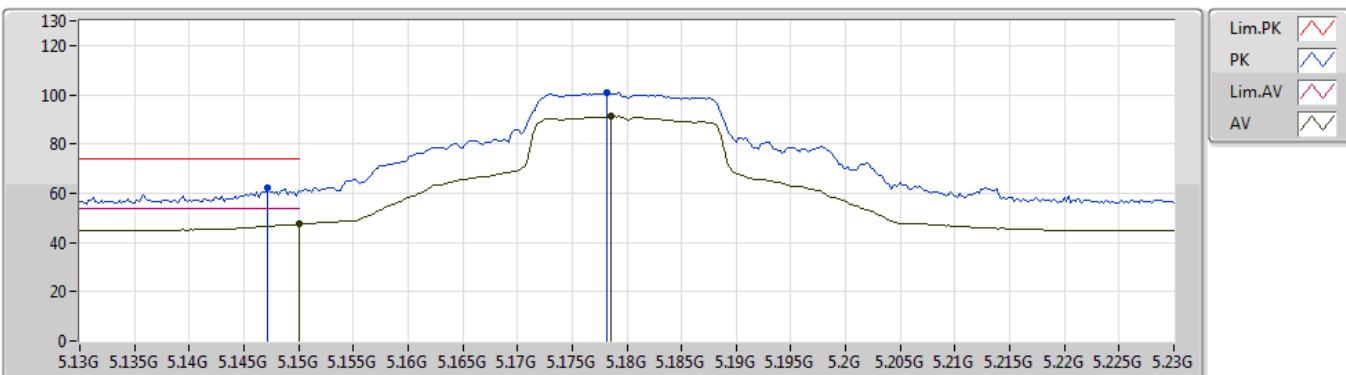
28/11/2019

5180MHz_TX

 EUT Y_1TX
 Setting 24
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1472G	70.26	74.00	-3.74	7.94	3	Vertical	129	1.91	-	62.32			
AV	5.15G	53.67	54.00	-0.33	7.94	3	Vertical	129	1.91	-	45.73			
PK	5.1792G	110.83	Inf	-Inf	8.02	3	Vertical	129	1.91	-	102.81			
AV	5.179G	101.30	Inf	-Inf	8.02	3	Vertical	129	1.91	-	93.28			

802.11a_Nss1,(6Mbps)_1TX

28/11/2019

5180MHz_TX


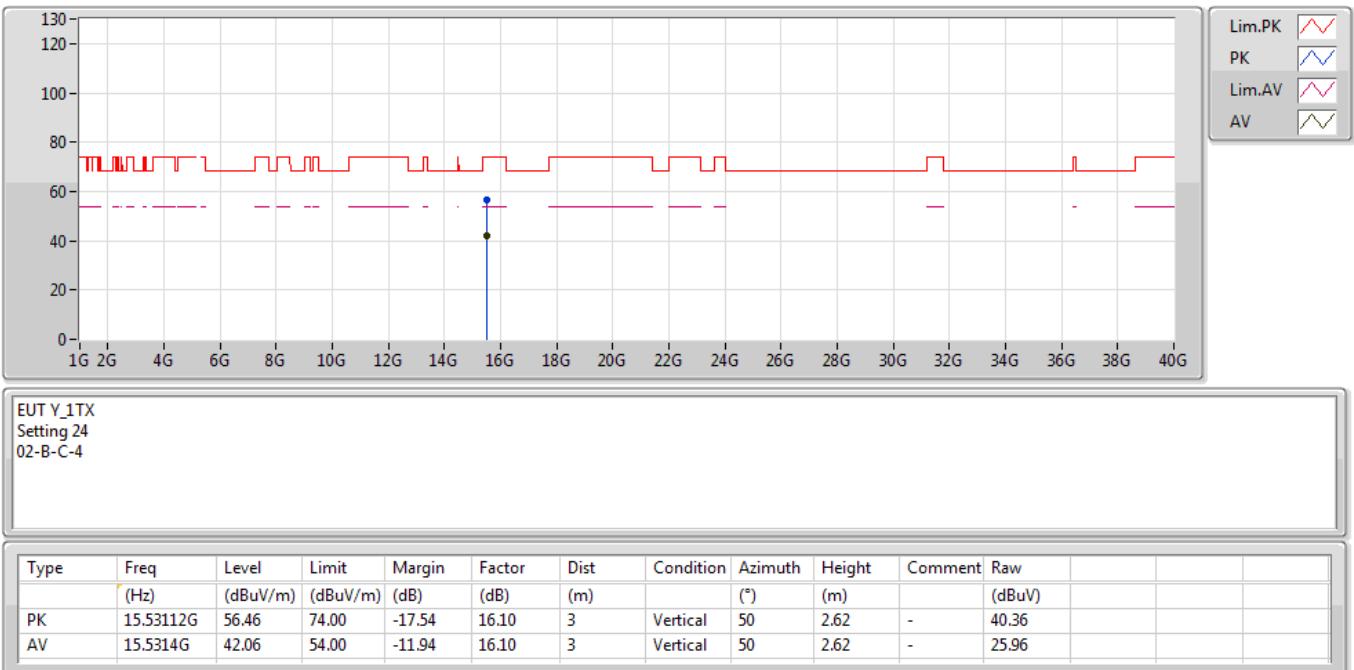
EUT Y_1TX
Setting 24
02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1472G	61.95	74.00	-12.05	7.94	3	Horizontal	167	1.68	-	54.01			
AV	5.15G	47.38	54.00	-6.62	7.94	3	Horizontal	167	1.68	-	39.44			
PK	5.1782G	100.70	Inf	-Inf	8.02	3	Horizontal	167	1.68	-	92.68			
AV	5.1786G	91.08	Inf	-Inf	8.02	3	Horizontal	167	1.68	-	83.06			

802.11a_Nss1,(6Mbps)_1TX

28/11/2019

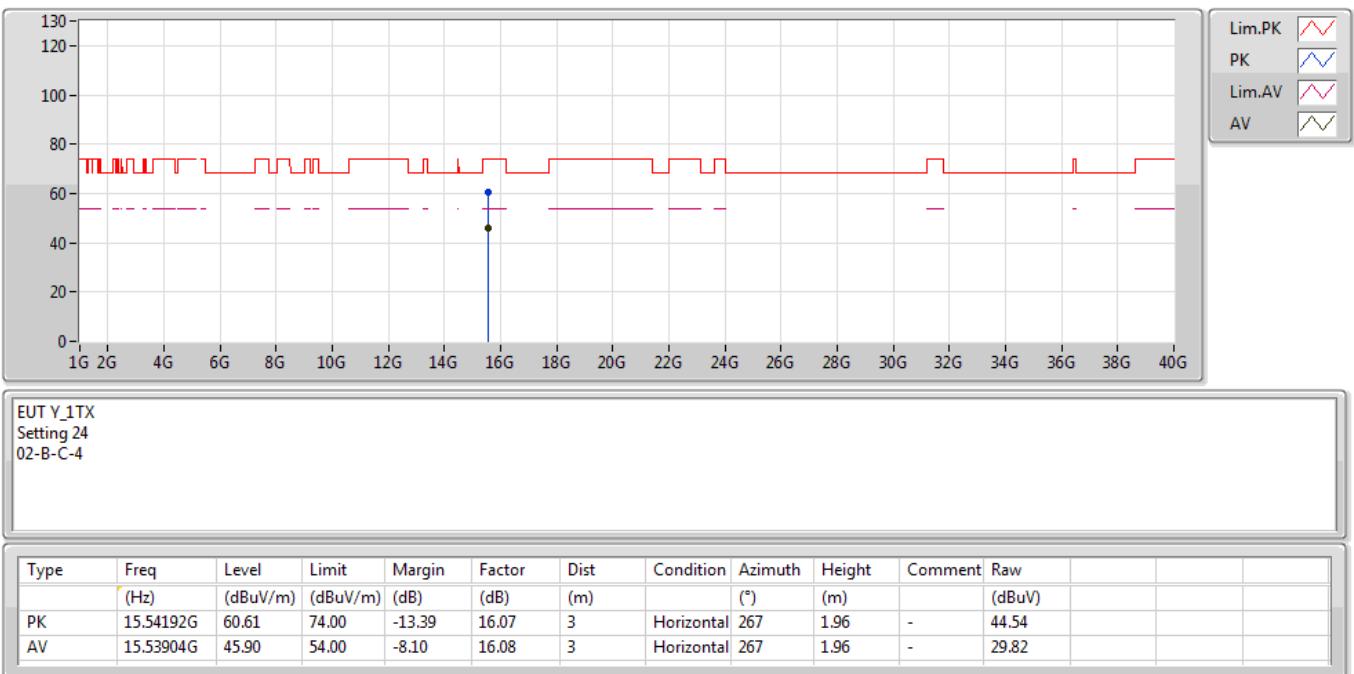
5180MHz_TX



802.11a_Nss1,(6Mbps)_1TX

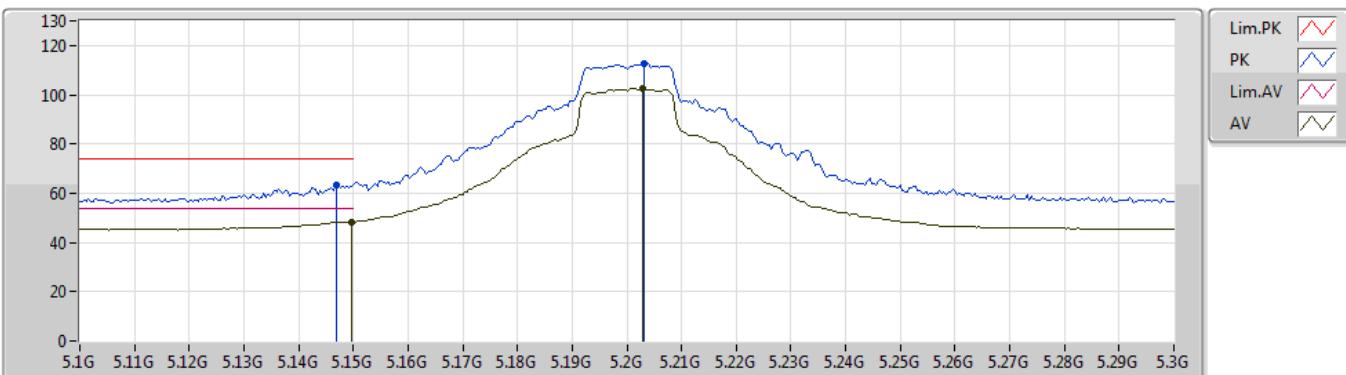
28/11/2019

5180MHz_TX



802.11a_Nss1,(6Mbps)_1TX

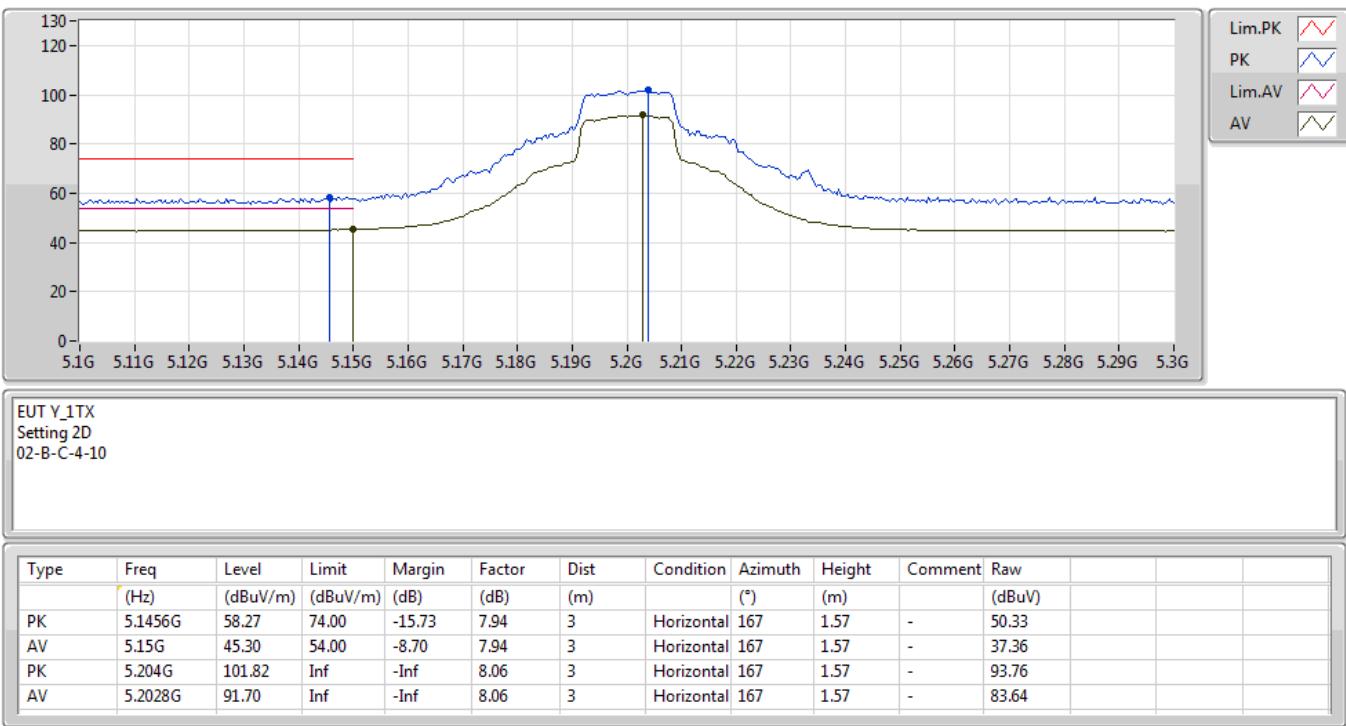
29/11/2019

5200MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1468G	63.45	74.00	-10.55	7.94	3	Vertical	134	1.91	-	55.51			
AV	5.1496G	48.42	54.00	-5.58	7.94	3	Vertical	134	1.91	-	40.48			
PK	5.2032G	112.60	Inf	-Inf	8.06	3	Vertical	134	1.91	-	104.54			
AV	5.2028G	102.50	Inf	-Inf	8.06	3	Vertical	134	1.91	-	94.44			

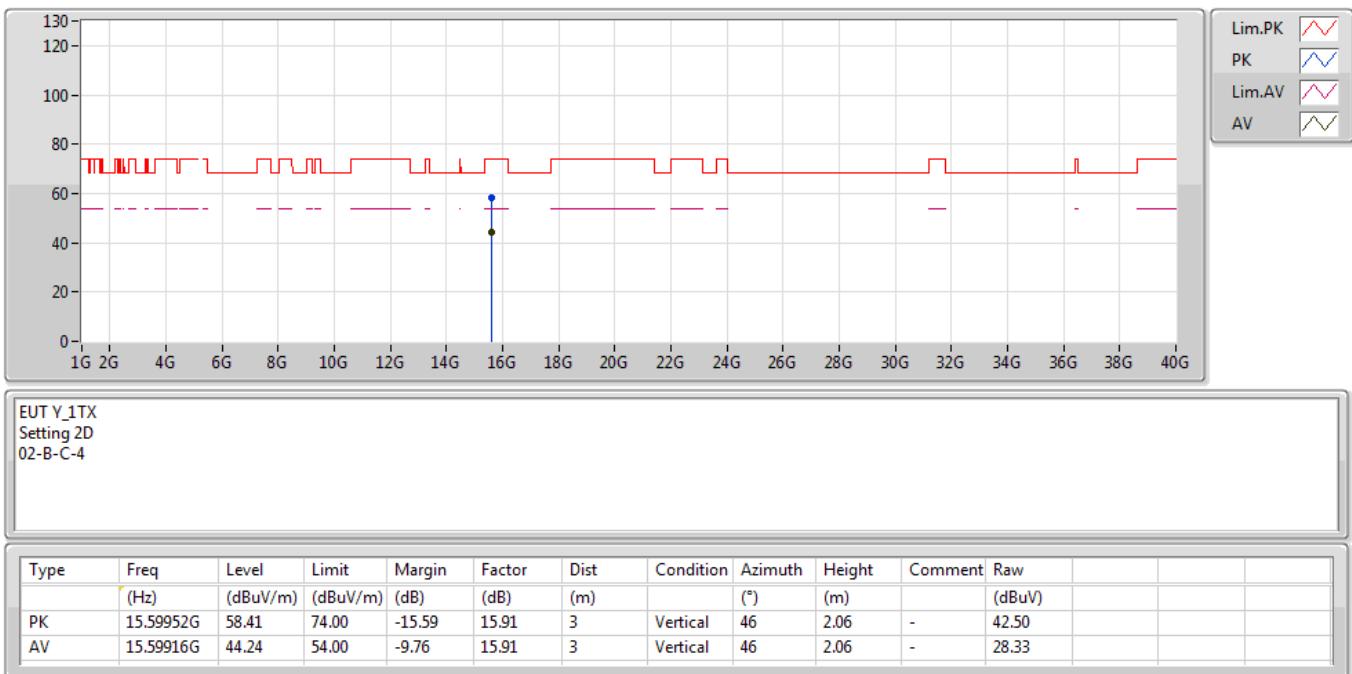
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5200MHz_TX


802.11a_Nss1,(6Mbps)_1TX

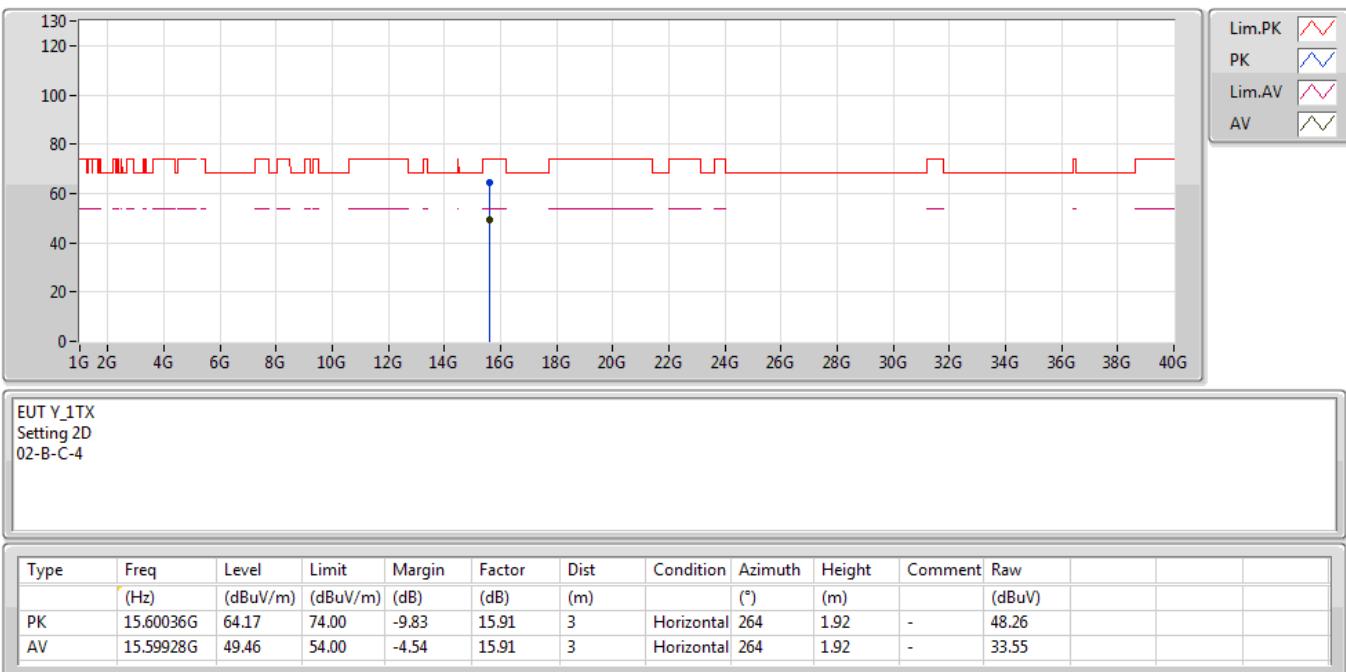
29/11/2019

5200MHz_TX


802.11a_Nss1,(6Mbps)_1TX

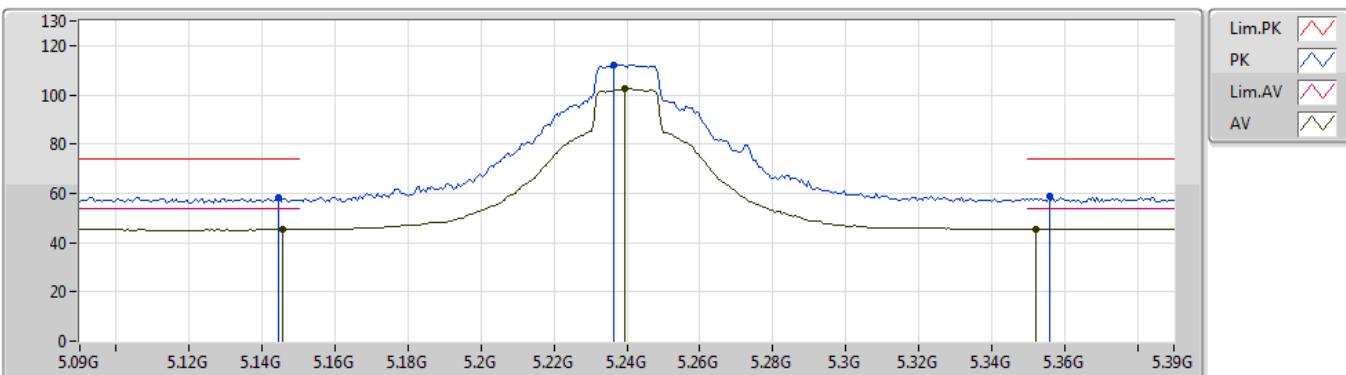
29/11/2019

5200MHz_TX



802.11a_Nss1,(6Mbps)_1TX

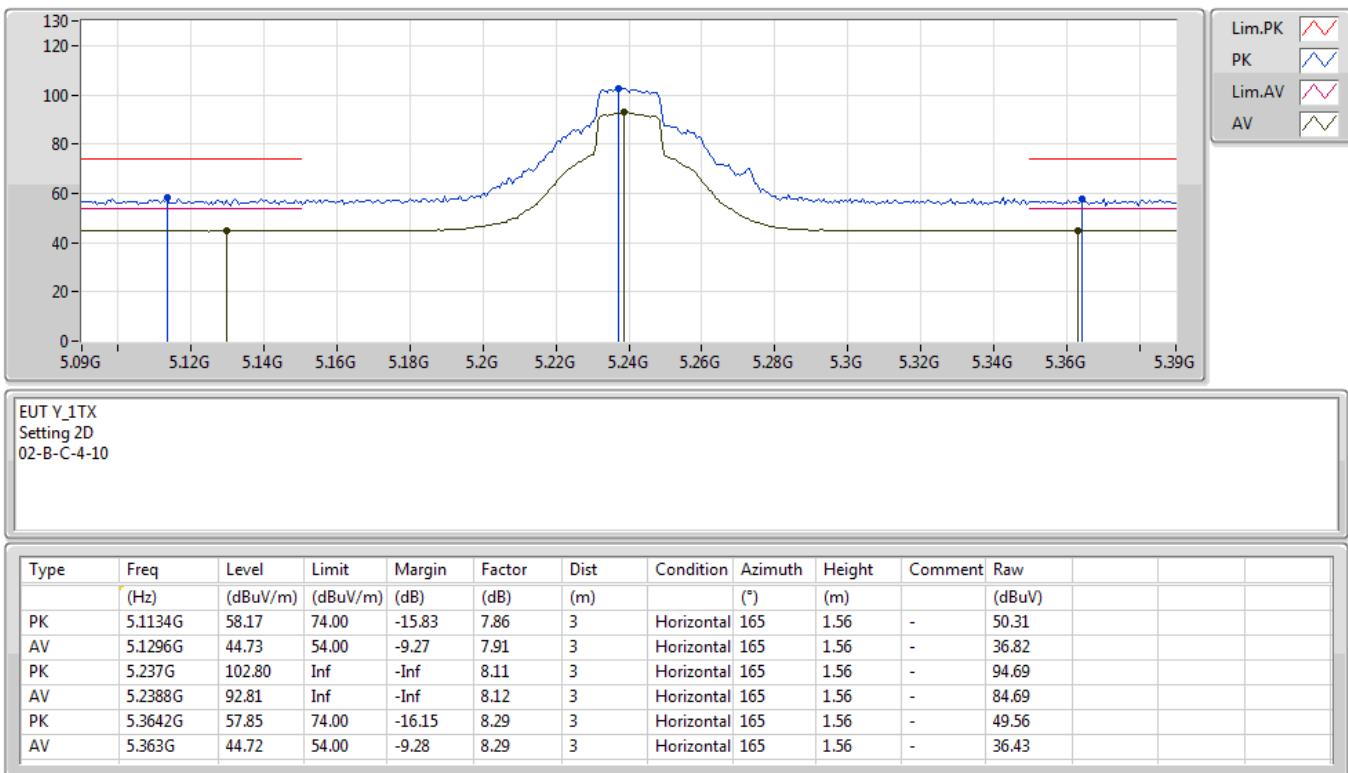
29/11/2019

5240MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1446G	58.36	74.00	-15.64	7.94	3	Vertical	131	1.89	-	50.42			
AV	5.1458G	45.45	54.00	-8.55	7.94	3	Vertical	131	1.89	-	37.51			
PK	5.2364G	112.26	Inf	-Inf	8.11	3	Vertical	131	1.89	-	104.15			
AV	5.2394G	102.48	Inf	-Inf	8.12	3	Vertical	131	1.89	-	94.36			
PK	5.3558G	58.98	74.00	-15.02	8.28	3	Vertical	131	1.89	-	50.70			
AV	5.3522G	45.47	54.00	-8.53	8.28	3	Vertical	131	1.89	-	37.19			

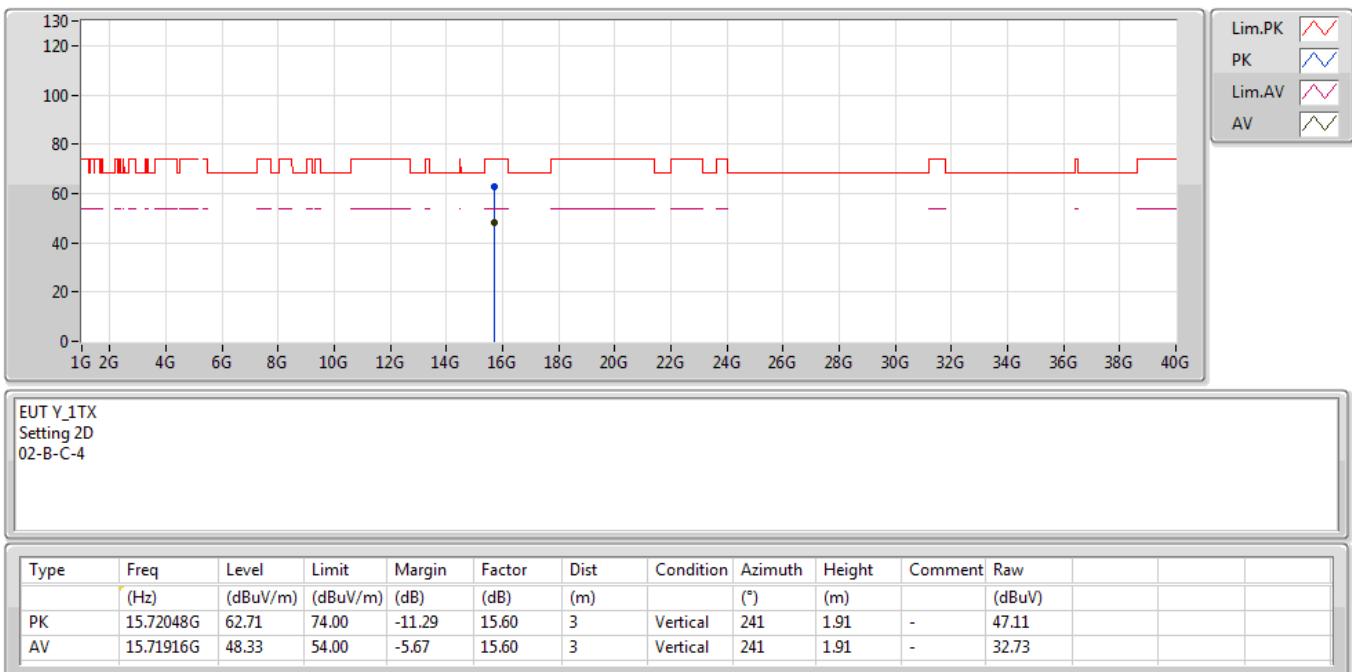
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5240MHz_TX


802.11a_Nss1,(6Mbps)_1TX

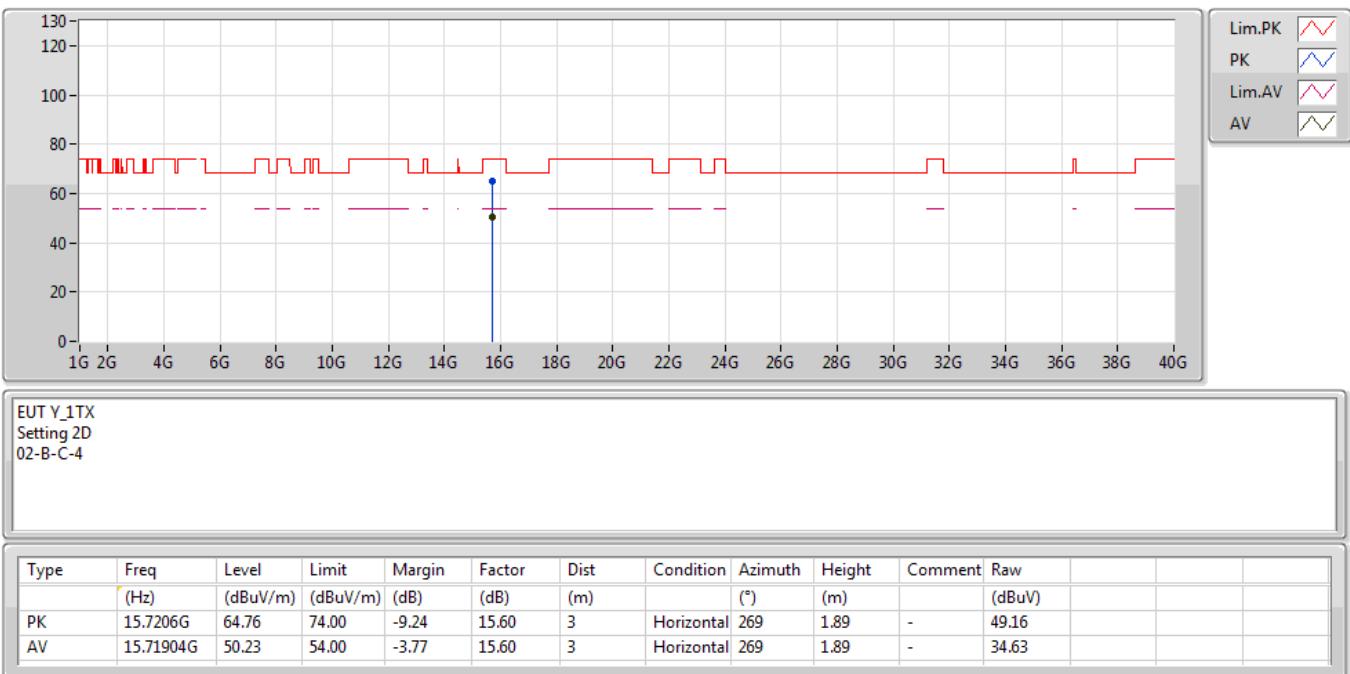
29/11/2019

5240MHz_TX


802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5240MHz_TX



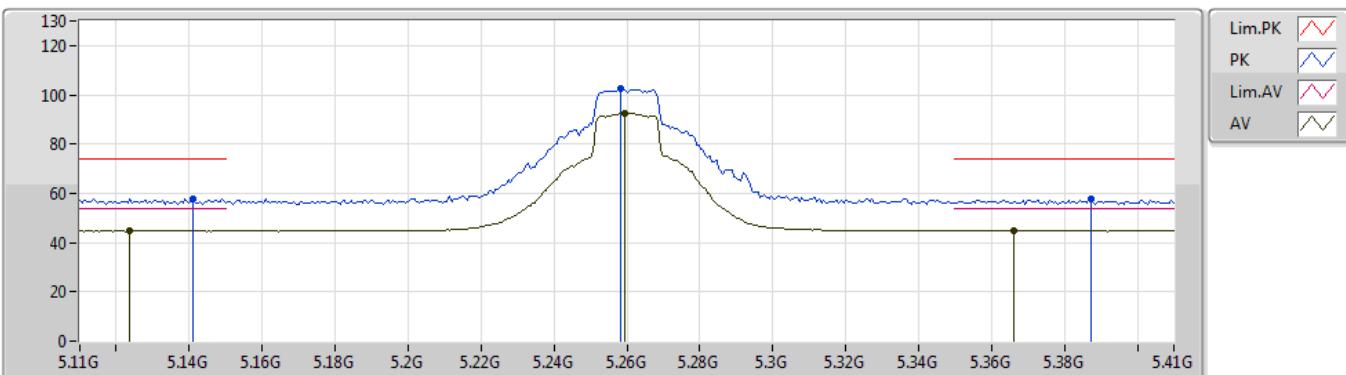
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5260MHz_TX


802.11a_Nss1,(6Mbps)_1TX

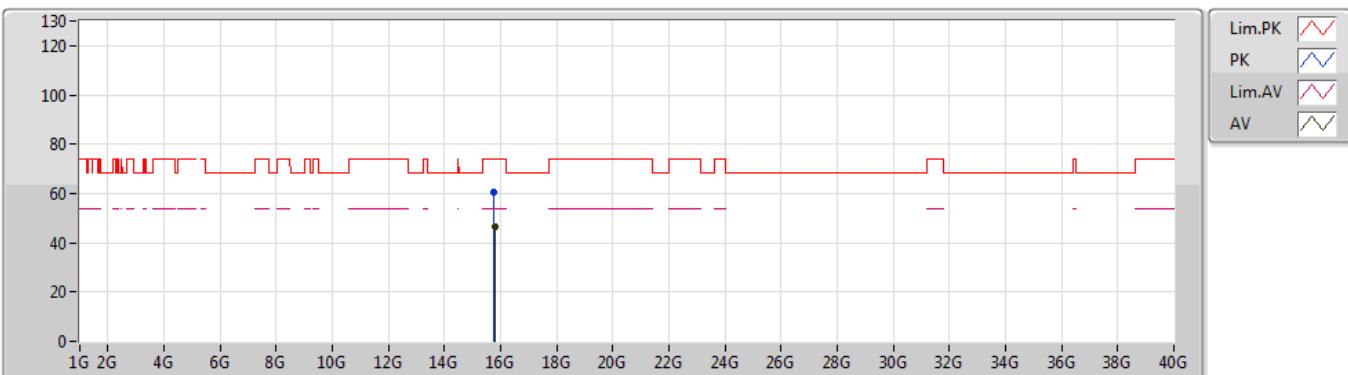
29/11/2019

5260MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1412G	57.83	74.00	-16.17	7.94	3	Horizontal	161	1.56	-	49.89			
AV	5.1238G	44.68	54.00	-9.32	7.89	3	Horizontal	161	1.56	-	36.79			
PK	5.2582G	102.31	Inf	-Inf	8.15	3	Horizontal	161	1.56	-	94.16			
AV	5.2594G	92.64	Inf	-Inf	8.15	3	Horizontal	161	1.56	-	84.49			
PK	5.3872G	57.50	74.00	-16.50	8.33	3	Horizontal	161	1.56	-	49.17			
AV	5.3662G	44.79	54.00	-9.21	8.29	3	Horizontal	161	1.56	-	36.50			

802.11a_Nss1,(6Mbps)_1TX

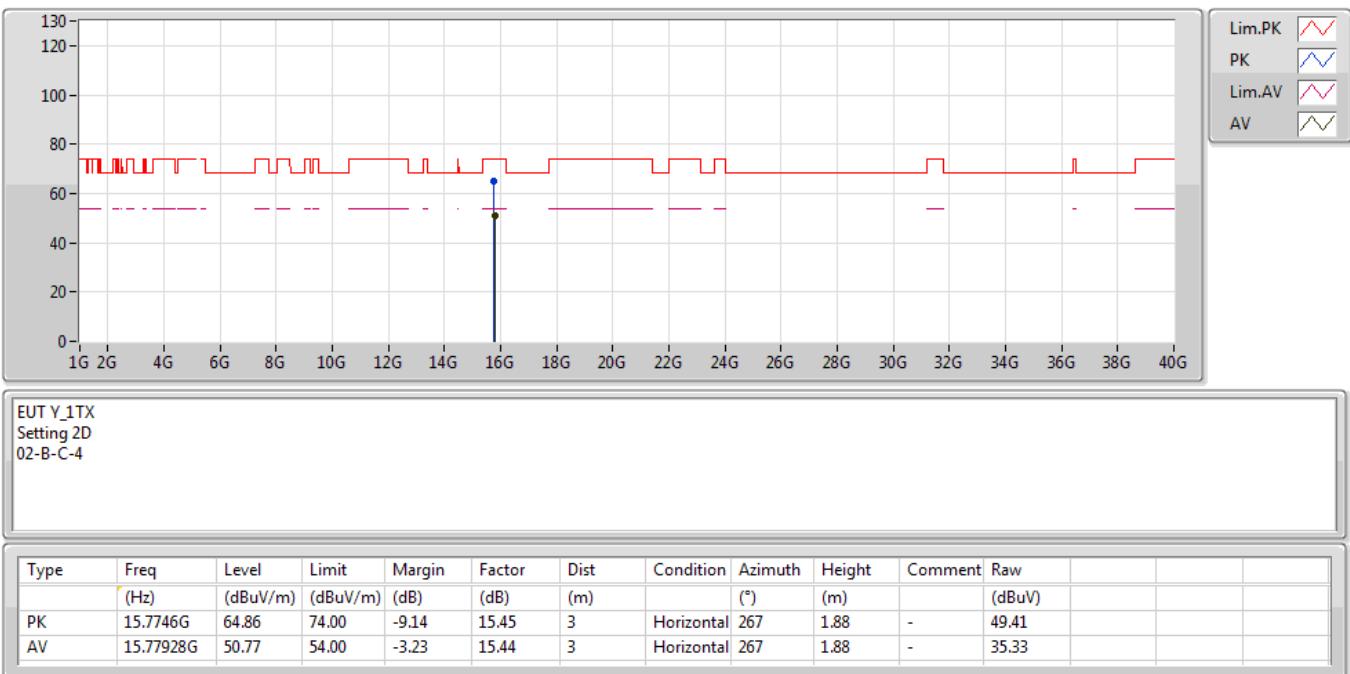
29/11/2019

5260MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	15.7752G	60.32	74.00	-13.68	15.45	3	Vertical	297	1.41	-	44.87			
AV	15.77928G	46.24	54.00	-7.76	15.44	3	Vertical	297	1.41	-	30.80			

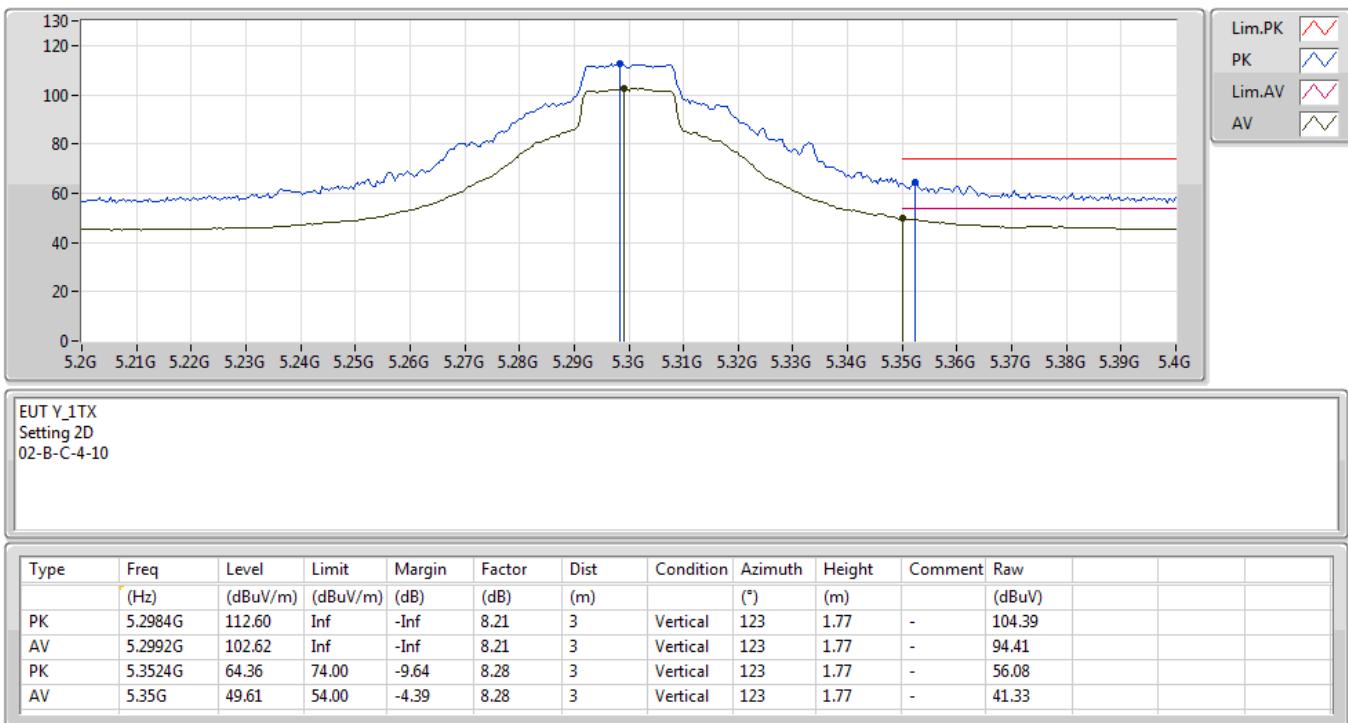
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5260MHz_TX


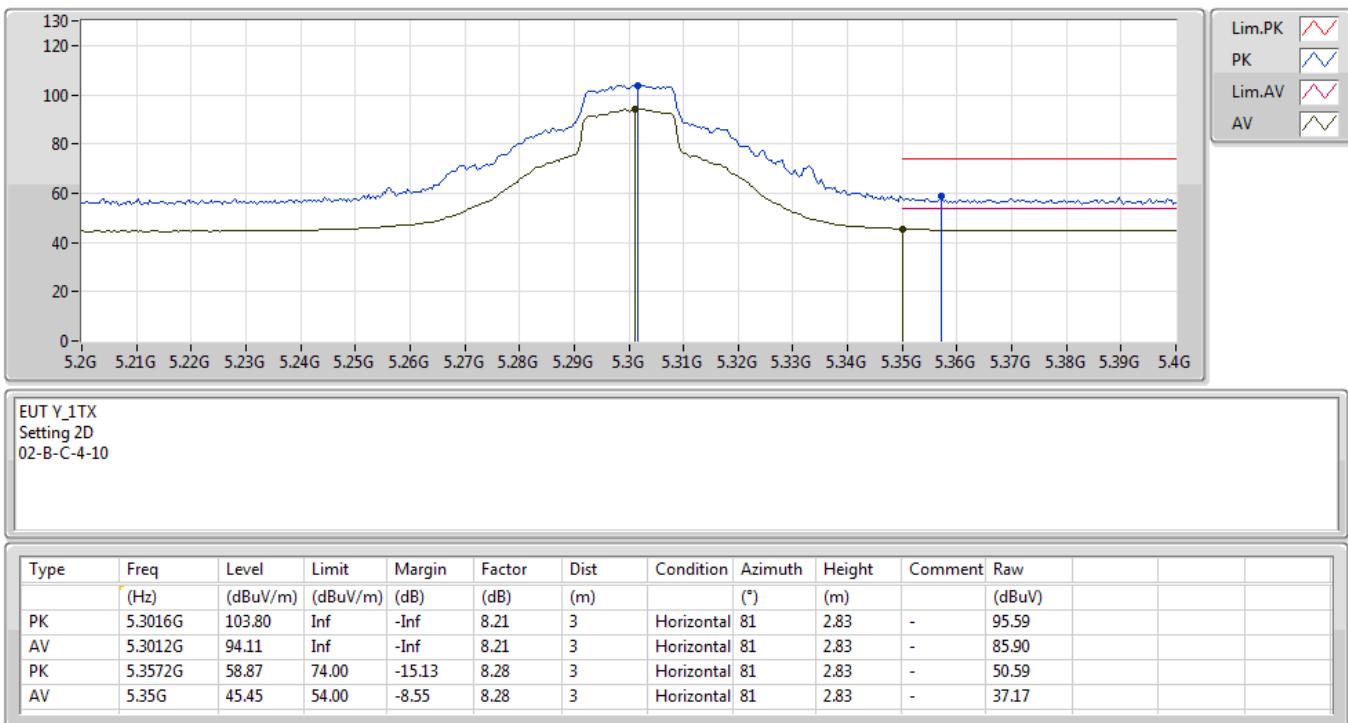
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5300MHz_TX


802.11a_Nss1,(6Mbps)_1TX

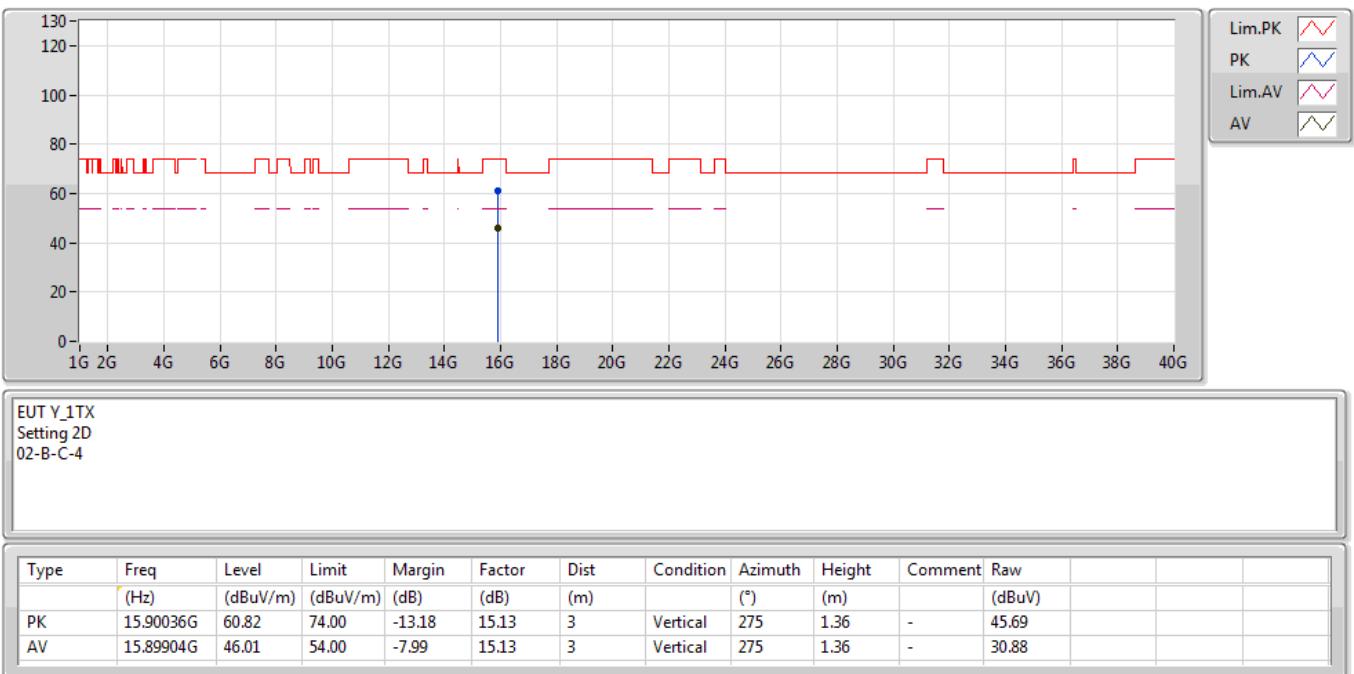
29/11/2019

5300MHz_TX


802.11a_Nss1,(6Mbps)_1TX

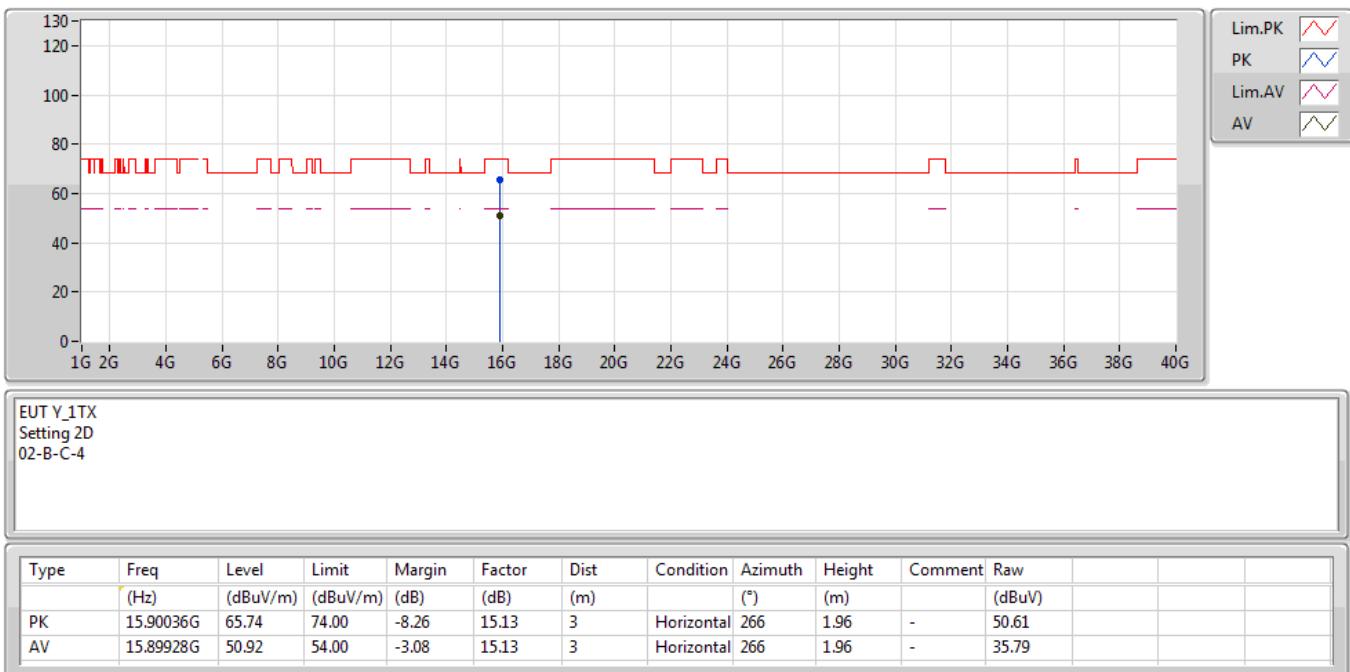
29/11/2019

5300MHz_TX



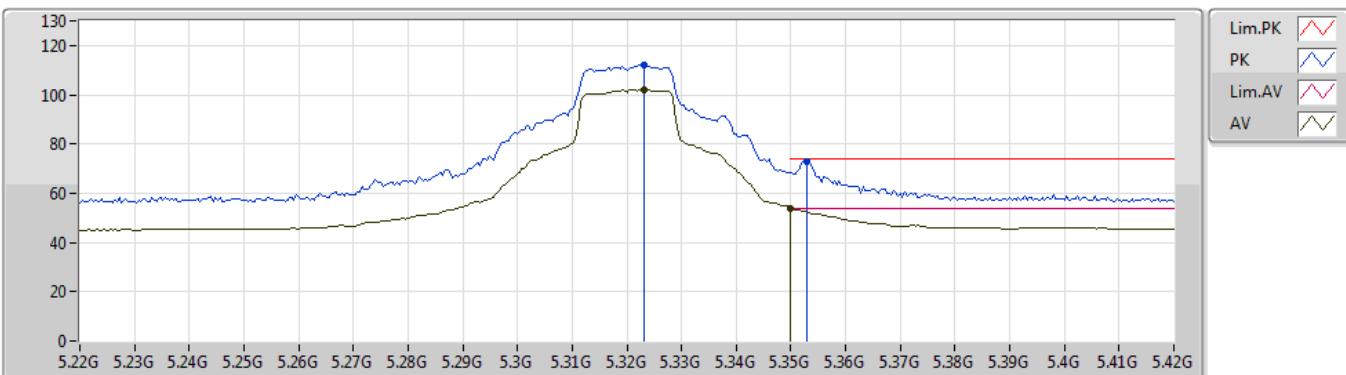
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5300MHz_TX


802.11a_Nss1,(6Mbps)_1TX

29/11/2019

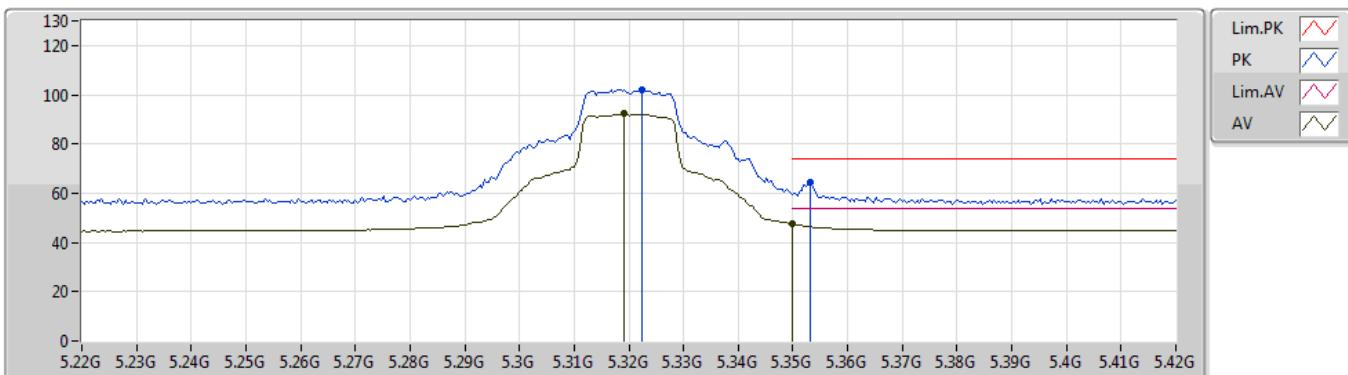
5320MHz_TX


EUT Y_1TX
Setting 23
02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.3232G	111.92	Inf	-Inf	8.24	3	Vertical	194	1.73	-	103.68			
AV	5.3232G	101.92	Inf	-Inf	8.24	3	Vertical	194	1.73	-	93.68			
PK	5.3528G	73.05	74.00	-0.95	8.28	3	Vertical	194	1.73	-	64.77			
AV	5.35G	53.88	54.00	-0.12	8.28	3	Vertical	194	1.73	-	45.60			

802.11a_Nss1,(6Mbps)_1TX

29/11/2019

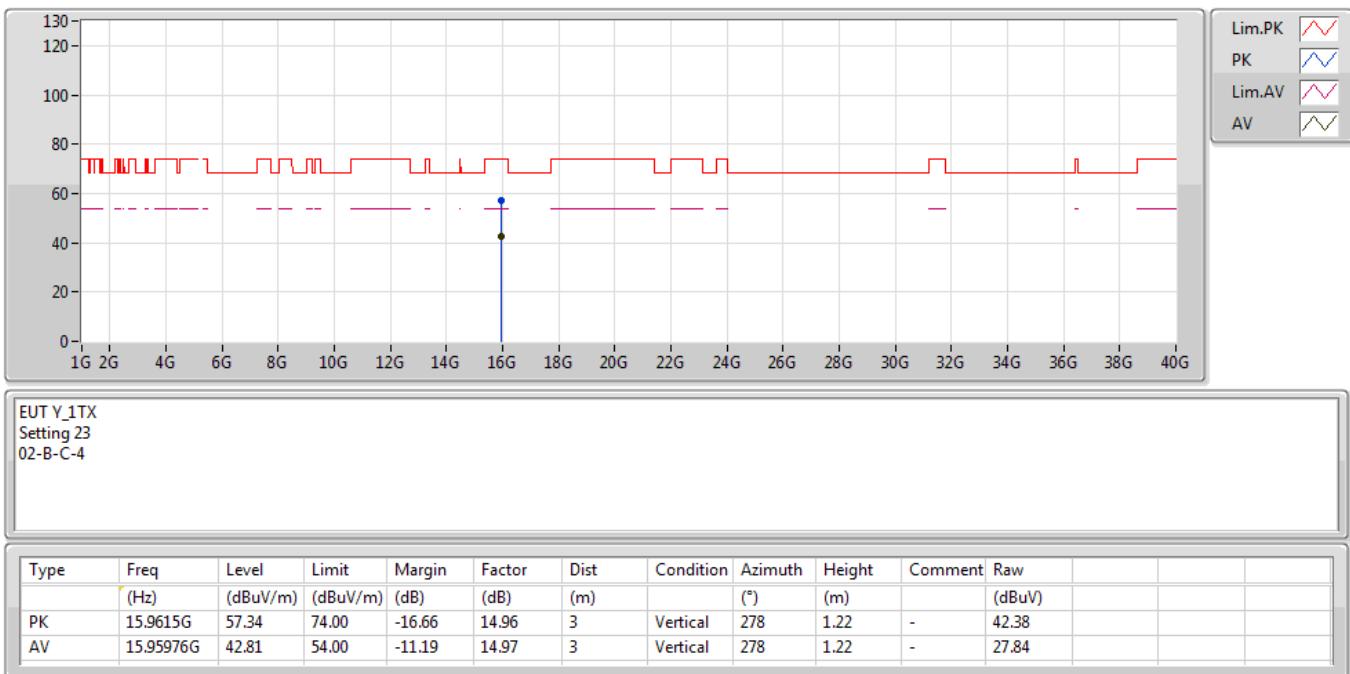
5320MHz_TX

 EUT Y_1TX
 Setting 23
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.3224G	102.00	Inf	-Inf	8.23	3	Horizontal	87	2.82	-	93.77			
AV	5.3192G	92.20	Inf	-Inf	8.23	3	Horizontal	87	2.82	-	83.97			
PK	5.3532G	64.16	74.00	-9.84	8.28	3	Horizontal	87	2.82	-	55.88			
AV	5.35G	47.35	54.00	-6.65	8.28	3	Horizontal	87	2.82	-	39.07			

802.11a_Nss1,(6Mbps)_1TX

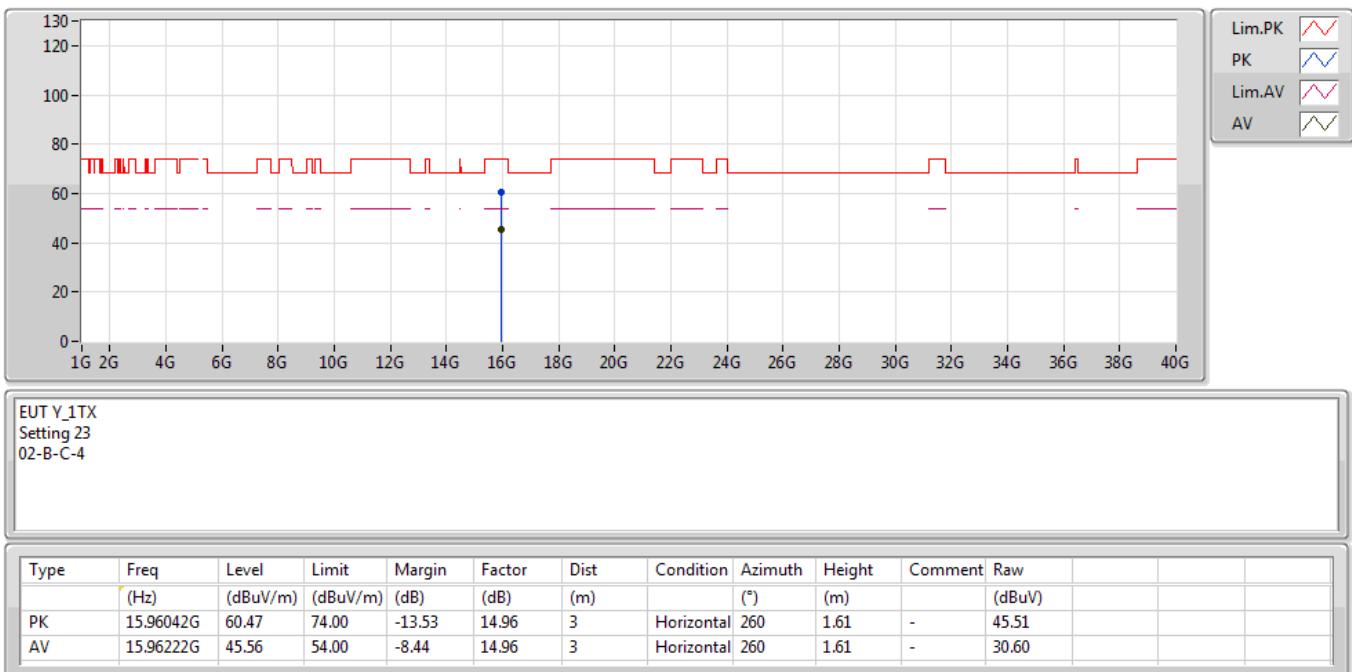
29/11/2019

5320MHz_TX



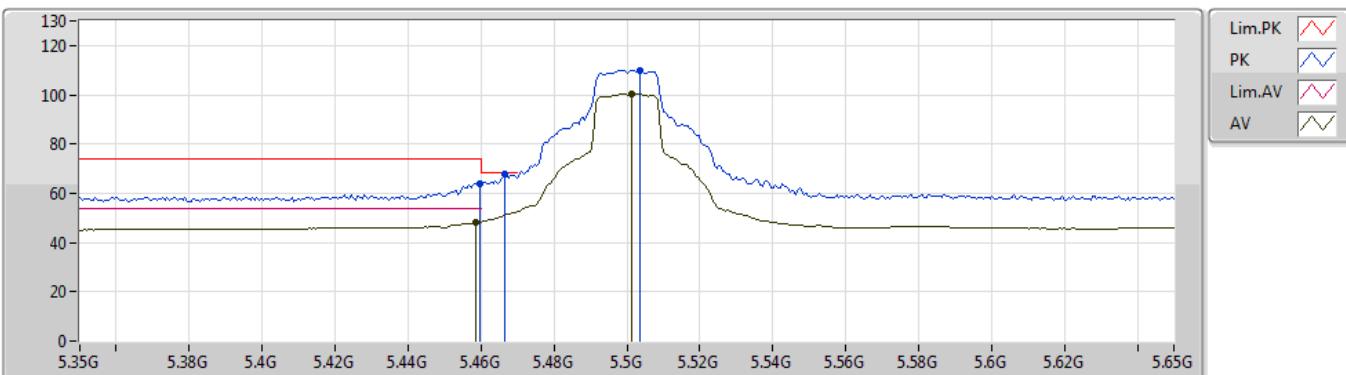
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5320MHz_TX


802.11a_Nss1,(6Mbps)_1TX

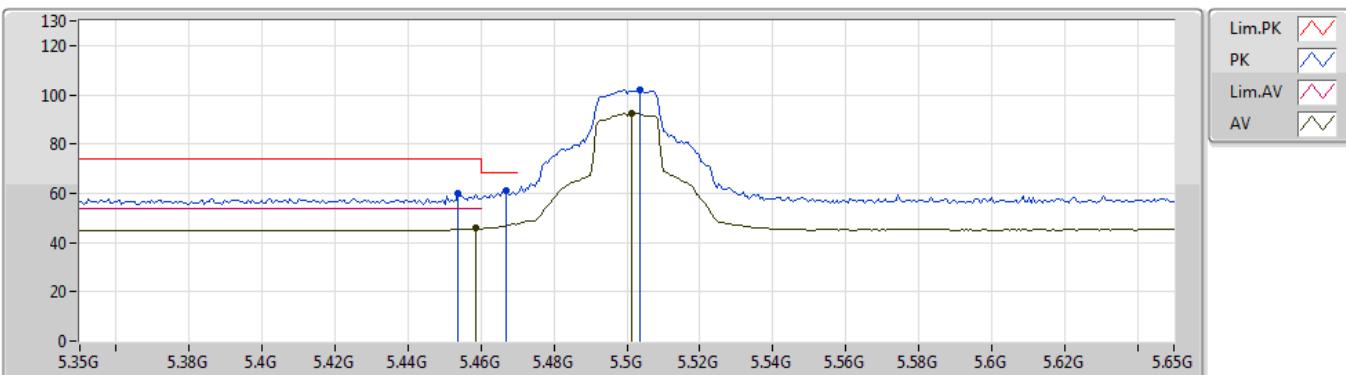
29/11/2019

5500MHz_TX

 EUT Y_1TX
 Setting 1B
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4598G	63.89	74.00	-10.11	8.45	3	Vertical	179	1.90	-	55.44			
AV	5.4586G	48.26	54.00	-5.74	8.45	3	Vertical	179	1.90	-	39.81			
PK	5.4664G	67.98	68.20	-0.22	8.46	3	Vertical	179	1.90	-	59.52			
PK	5.5036G	109.94	Inf	-Inf	8.52	3	Vertical	179	1.90	-	101.42			
AV	5.5012G	100.38	Inf	-Inf	8.52	3	Vertical	179	1.90	-	91.86			

802.11a_Nss1,(6Mbps)_1TX

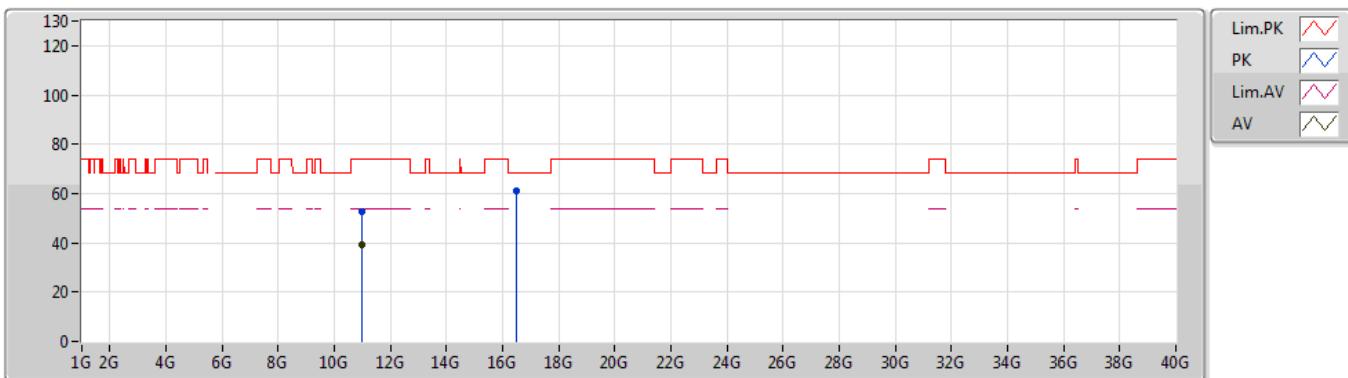
29/11/2019

5500MHz_TX

 EUT Y_1TX
 Setting 1B
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4538G	59.71	74.00	-14.29	8.44	3	Horizontal	74	1.93	-	51.27			
AV	5.4586G	45.72	54.00	-8.28	8.45	3	Horizontal	74	1.93	-	37.27			
PK	5.467G	60.98	68.20	-7.22	8.46	3	Horizontal	74	1.93	-	52.52			
PK	5.5036G	101.86	Inf	-Inf	8.52	3	Horizontal	74	1.93	-	93.34			
AV	5.5012G	92.32	Inf	-Inf	8.52	3	Horizontal	74	1.93	-	83.80			

802.11a_Nss1,(6Mbps)_1TX

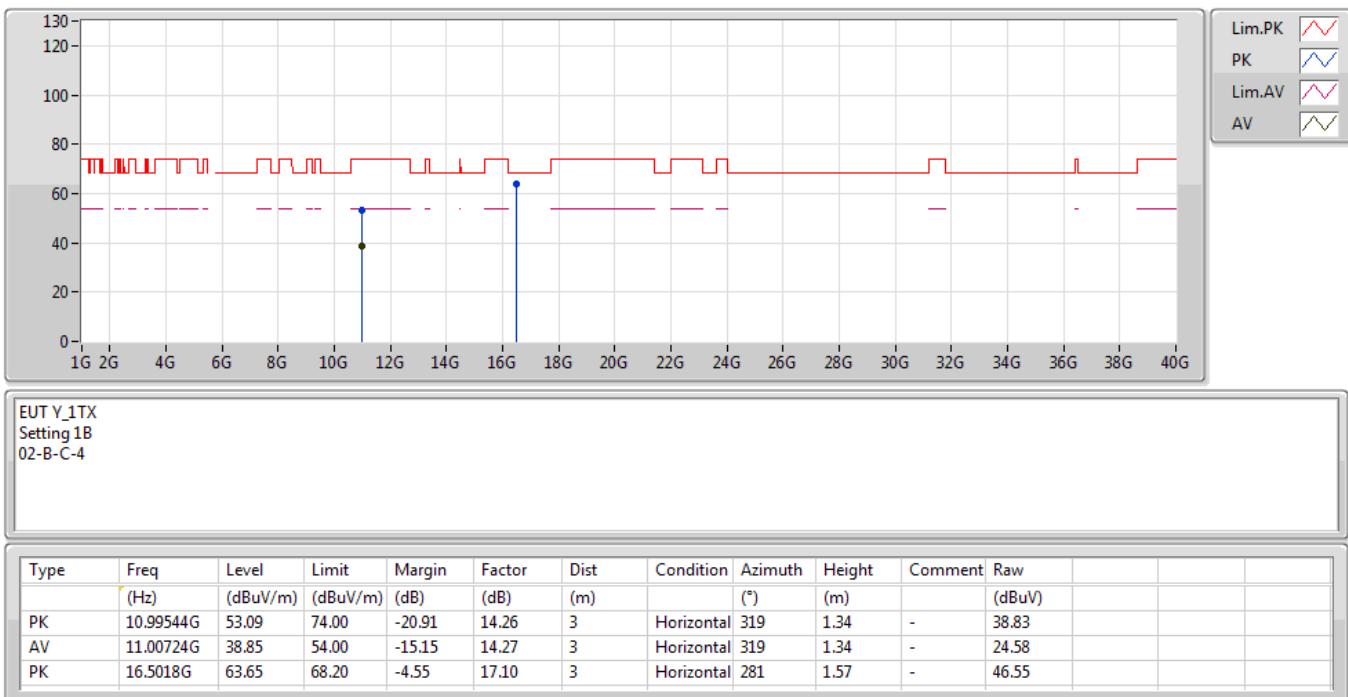
29/11/2019

5500MHz_TX

 EUT Y_1TX
 Setting 1B
 02-B-C-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	10.9766G	52.74	74.00	-21.26	14.28	3	Vertical	76	1.89	-	38.46			
AV	10.99772G	39.07	54.00	-14.93	14.26	3	Vertical	76	1.89	-	24.81			
PK	16.5018G	61.27	68.20	-6.93	17.10	3	Vertical	299	2.56	-	44.17			

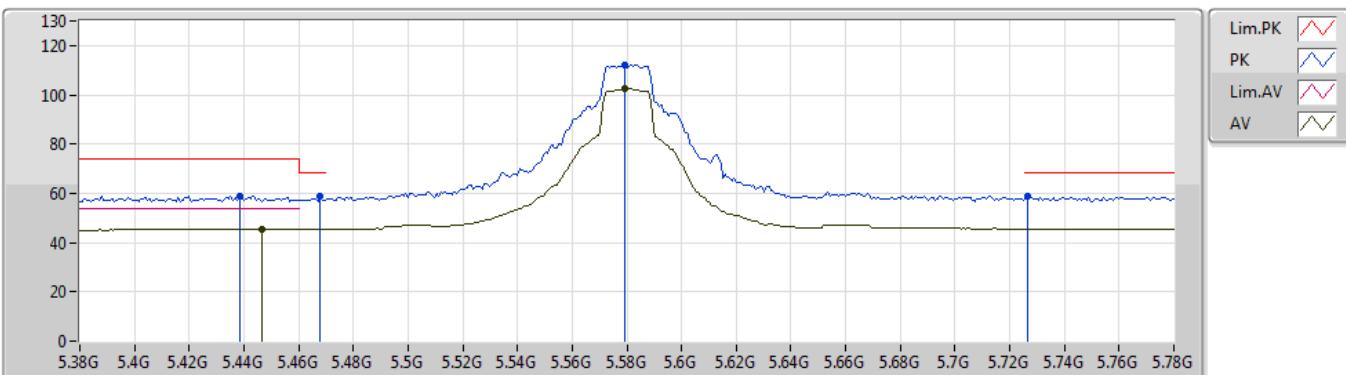
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5500MHz_TX


802.11a_Nss1,(6Mbps)_1TX

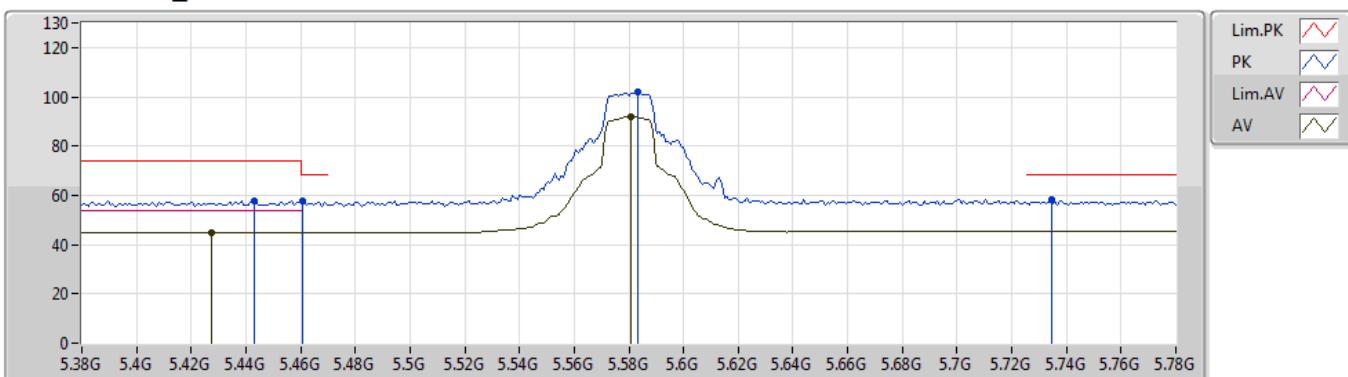
29/11/2019

5580MHz_TX

 EUT Y_1TX
 Setting 21
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4384G	59.04	74.00	-14.96	8.41	3	Vertical	186	1.78	-	50.63			
AV	5.4464G	45.49	54.00	-8.51	8.42	3	Vertical	186	1.78	-	37.07			
PK	5.468G	58.78	68.20	-9.42	8.46	3	Vertical	186	1.78	-	50.32			
PK	5.5792G	112.11	Inf	-Inf	8.57	3	Vertical	186	1.78	-	103.54			
AV	5.5792G	102.48	Inf	-Inf	8.57	3	Vertical	186	1.78	-	93.91			
PK	5.7264G	58.66	68.20	-9.54	8.79	3	Vertical	186	1.78	-	49.87			

802.11a_Nss1,(6Mbps)_1TX

29/11/2019

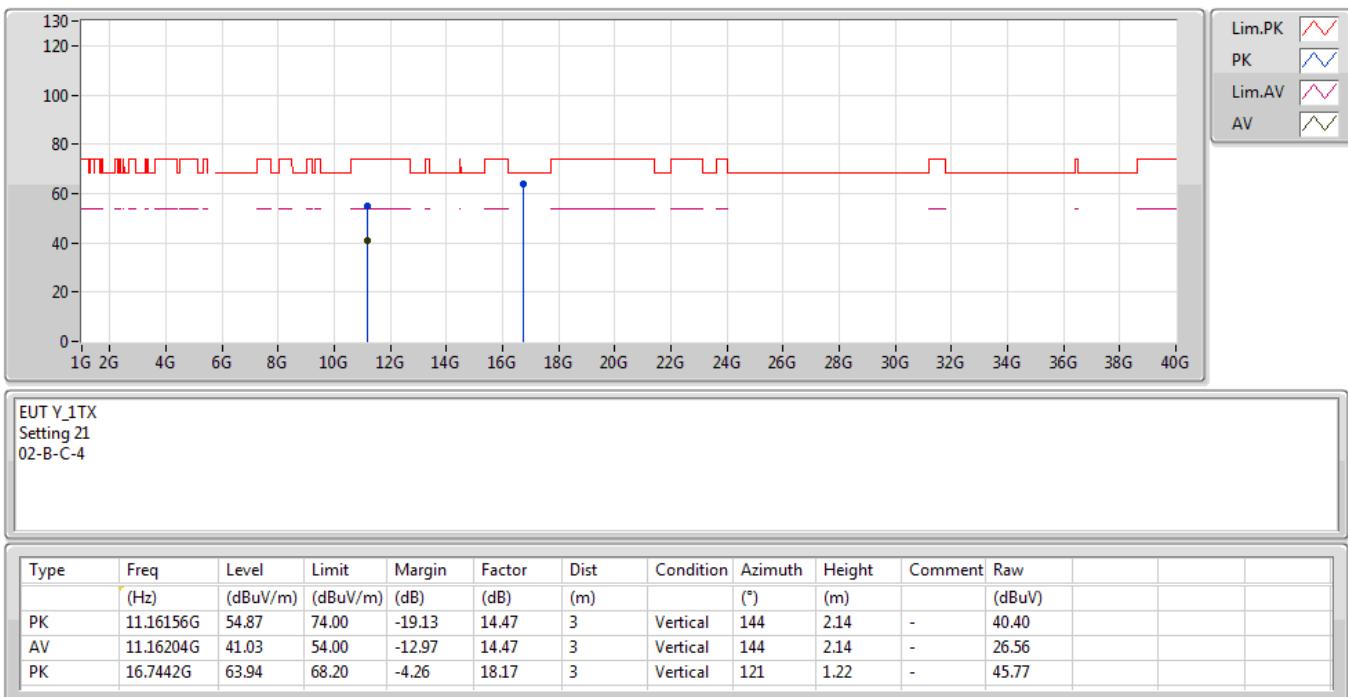
5580MHz_TX

 EUT Y_1TX
 Setting 21
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4432G	57.74	74.00	-16.26	8.42	3	Horizontal	90	2.97	-	49.32			
AV	5.4272G	44.87	54.00	-9.13	8.40	3	Horizontal	90	2.97	-	36.47			
PK	5.4608G	57.72	68.20	-10.48	8.45	3	Horizontal	90	2.97	-	49.27			
PK	5.5832G	101.79	Inf	-Inf	8.57	3	Horizontal	90	2.97	-	93.22			
AV	5.5808G	92.00	Inf	-Inf	8.57	3	Horizontal	90	2.97	-	83.43			
PK	5.7344G	58.01	68.20	-10.19	8.80	3	Horizontal	90	2.97	-	49.21			

802.11a_Nss1,(6Mbps)_1TX

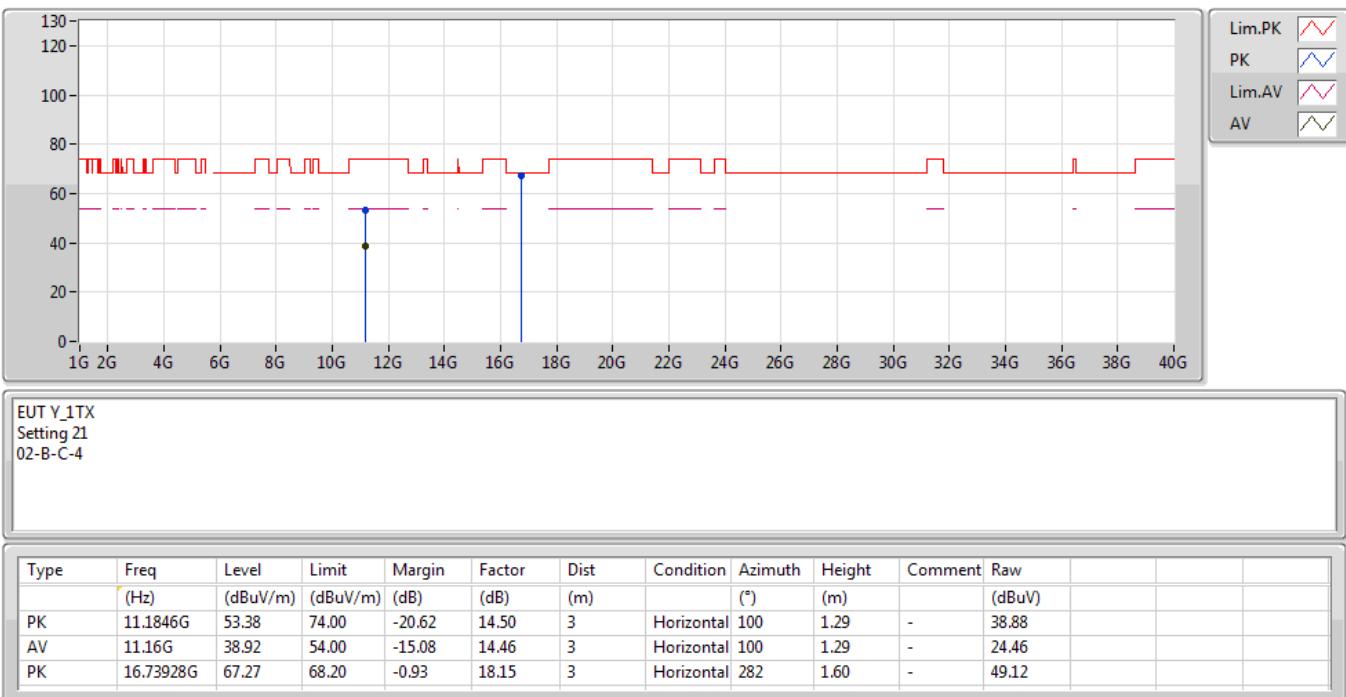
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5580MHz_TX



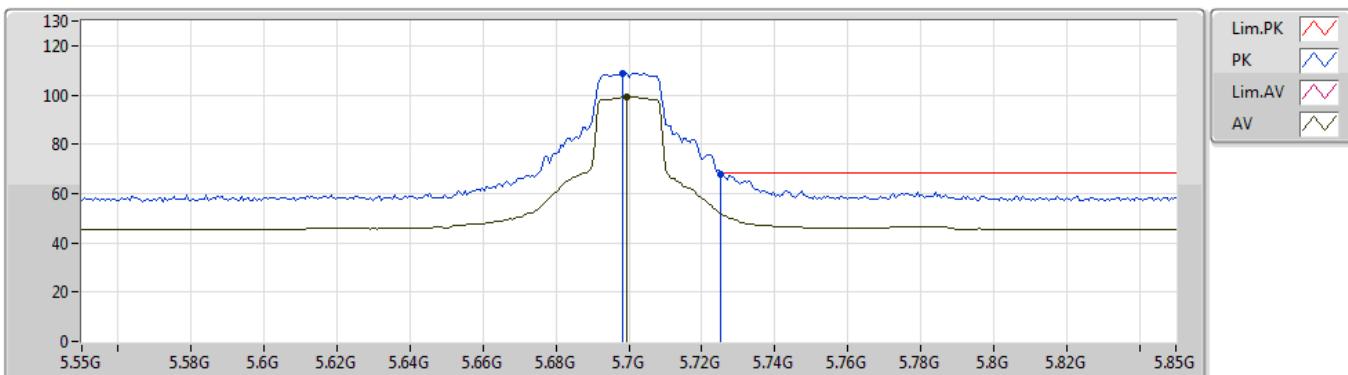
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5580MHz_TX


802.11a_Nss1,(6Mbps)_1TX

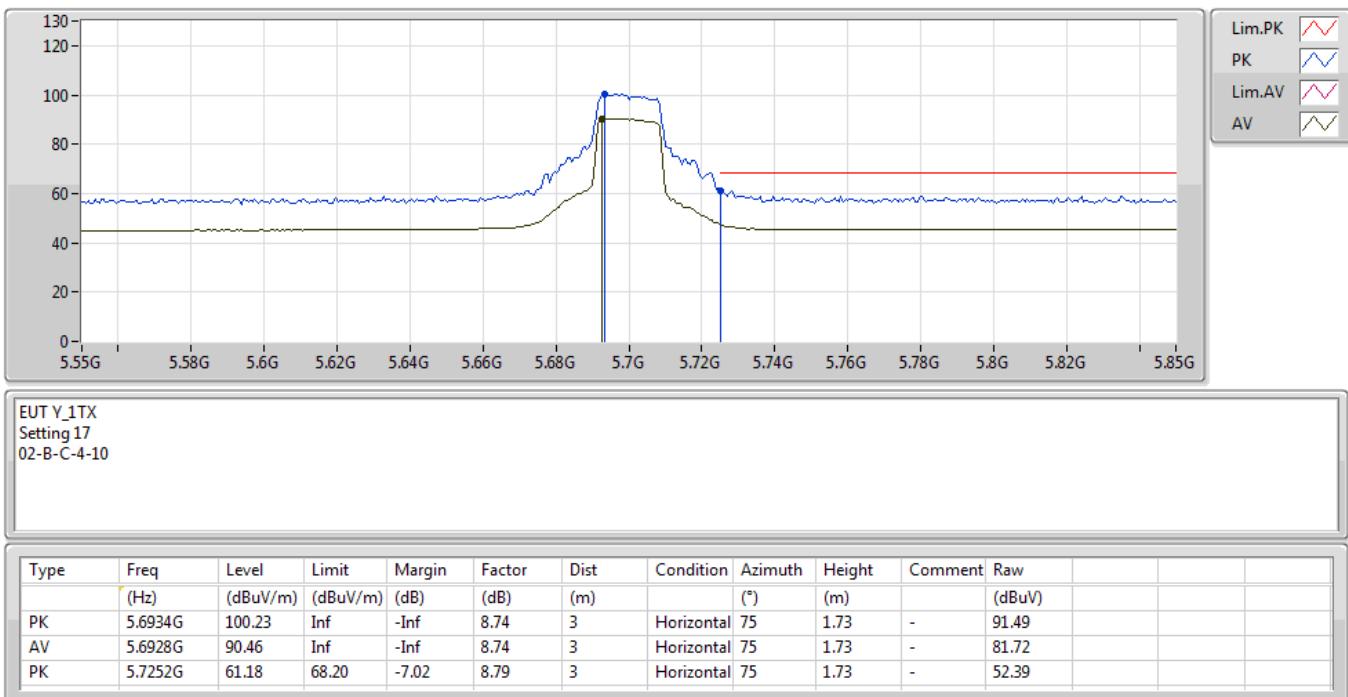
29/11/2019

5700MHz_TX

 EUT Y_1TX
 Setting 17
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.6982G	108.72	Inf	-Inf	8.75	3	Vertical	179	1.80	-	99.97			
AV	5.6994G	99.23	Inf	-Inf	8.75	3	Vertical	179	1.80	-	90.48			
PK	5.7252G	67.77	68.20	-0.43	8.79	3	Vertical	179	1.80	-	58.98			

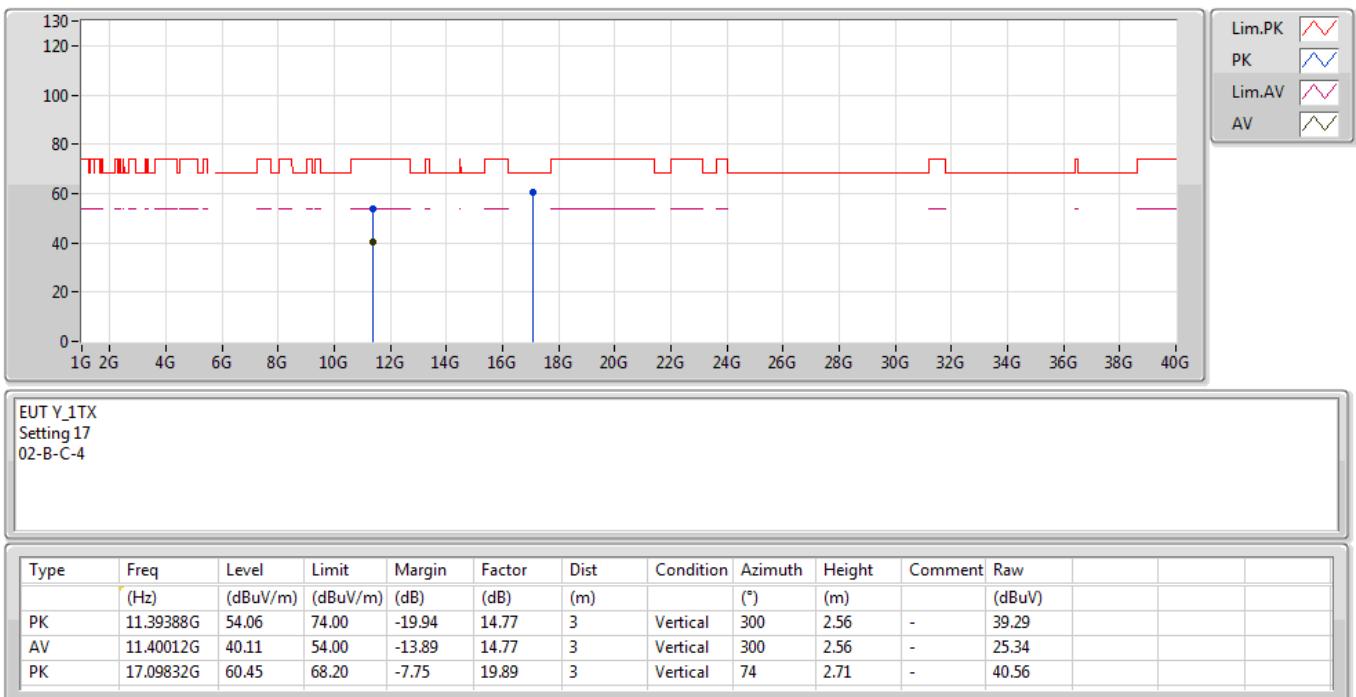
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5700MHz_TX


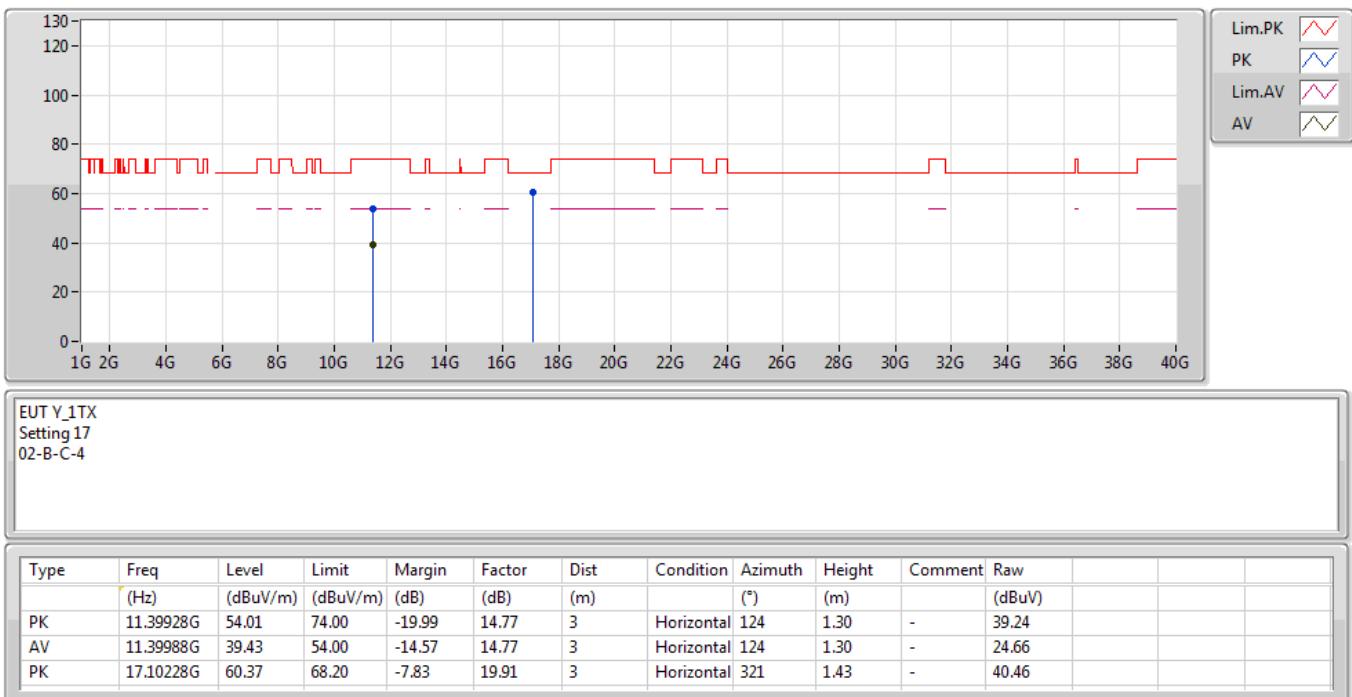
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5700MHz_TX


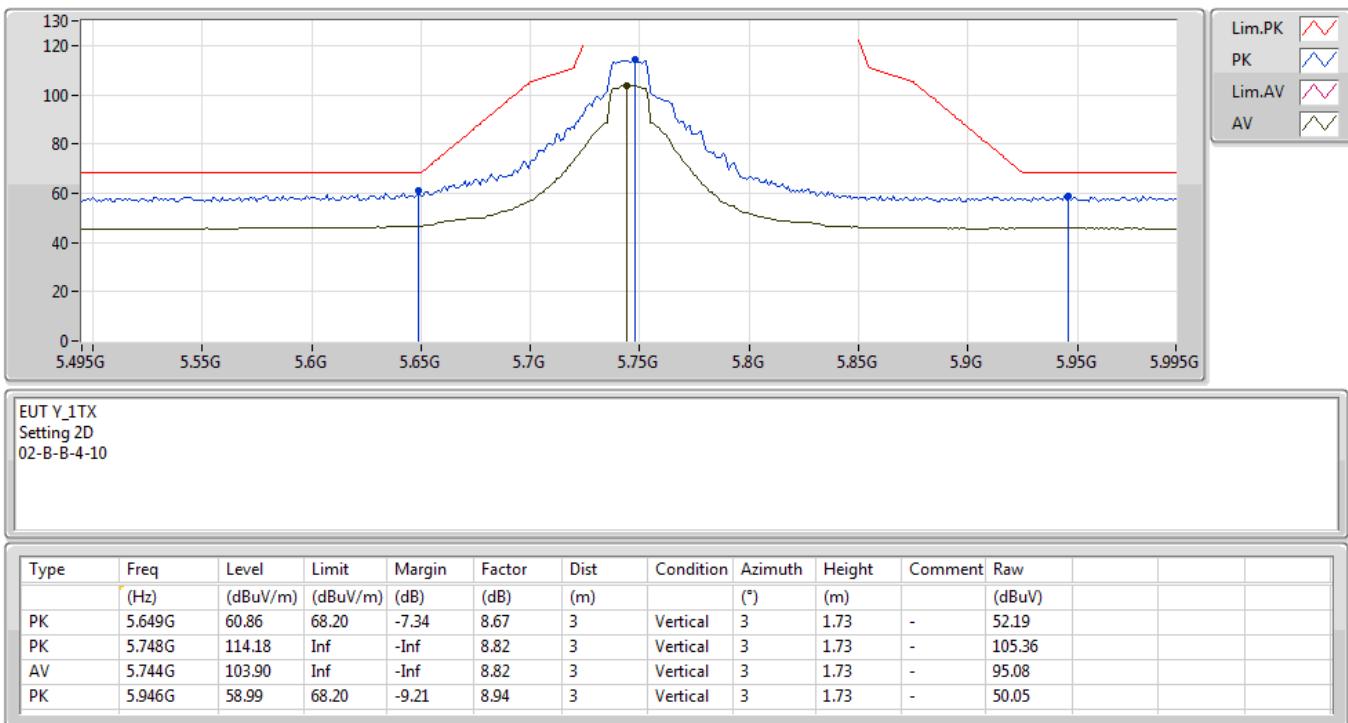
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5700MHz_TX


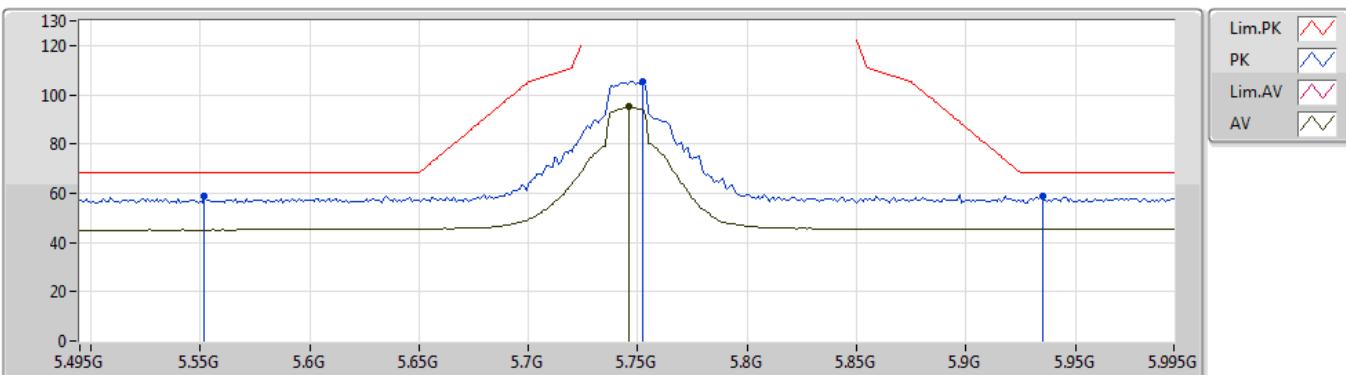
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5745MHz_TX


802.11a_Nss1,(6Mbps)_1TX

29/11/2019

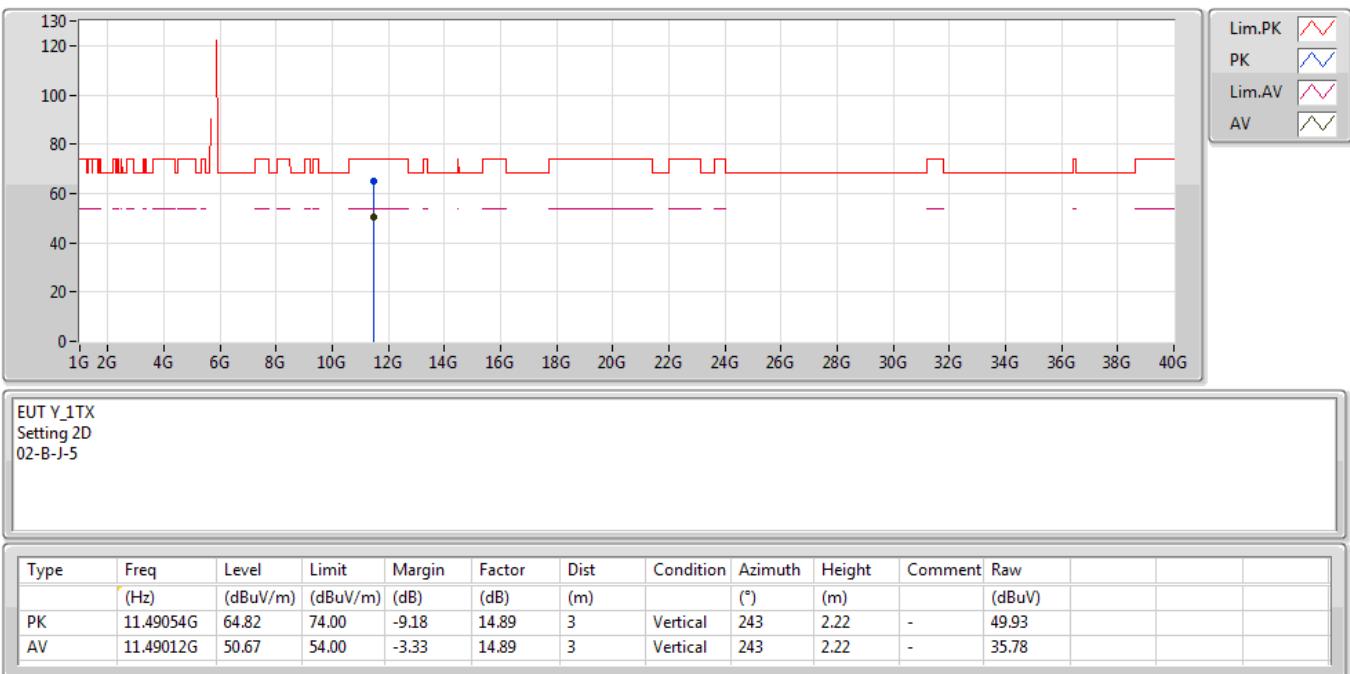
5745MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-B-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.552G	58.89	68.20	-9.31	8.55	3	Horizontal	261	2.91	-	50.34			
PK	5.752G	105.46	Inf	-Inf	8.83	3	Horizontal	261	2.91	-	96.63			
AV	5.746G	95.08	Inf	-Inf	8.82	3	Horizontal	261	2.91	-	86.26			
PK	5.935G	58.59	68.20	-9.61	8.93	3	Horizontal	261	2.91	-	49.66			

802.11a_Nss1,(6Mbps)_1TX

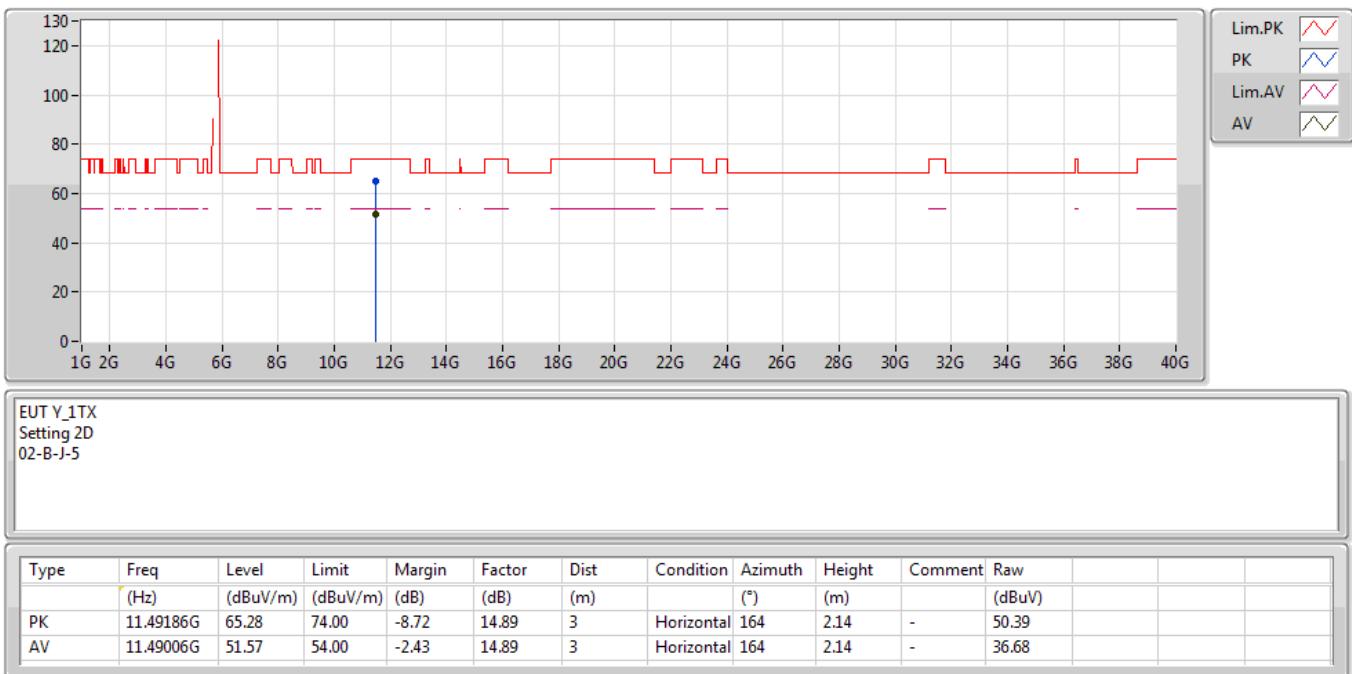
29/11/2019

5745MHz_TX



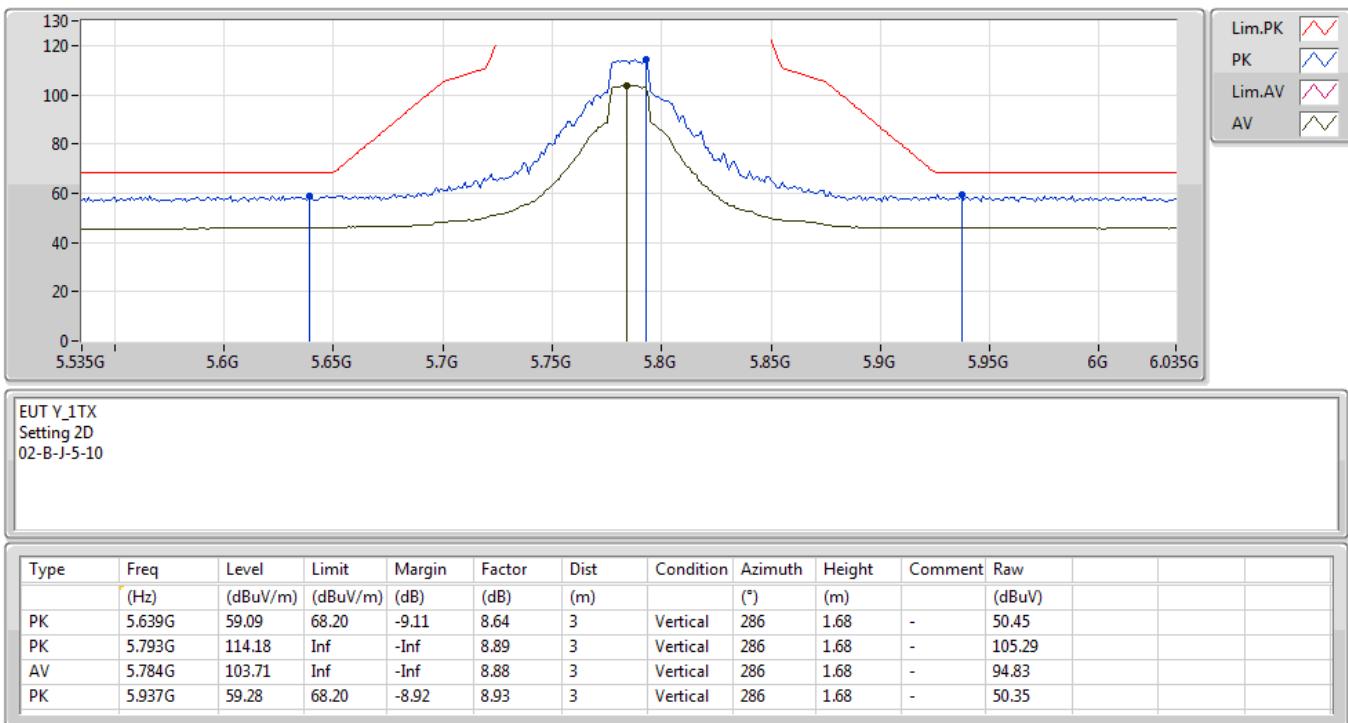
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5745MHz_TX


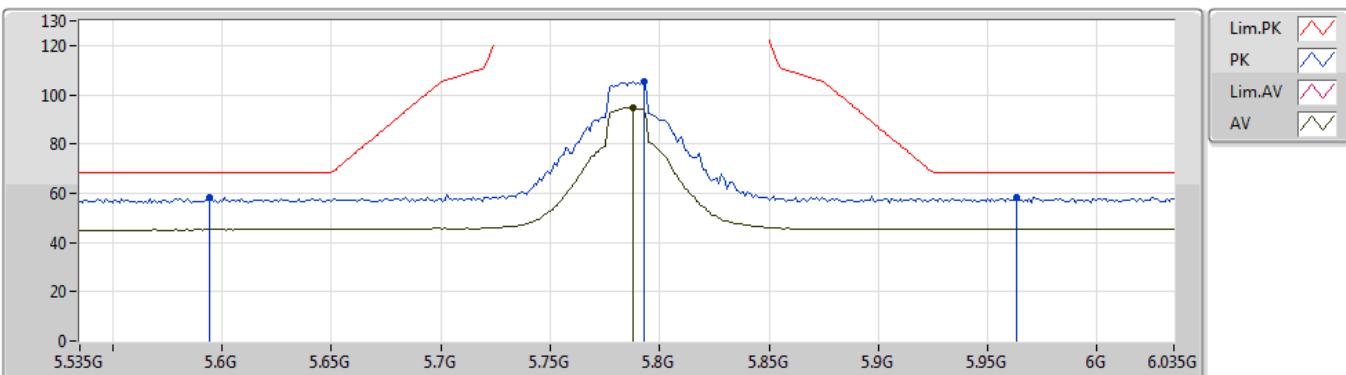
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5785MHz_TX


802.11a_Nss1,(6Mbps)_1TX

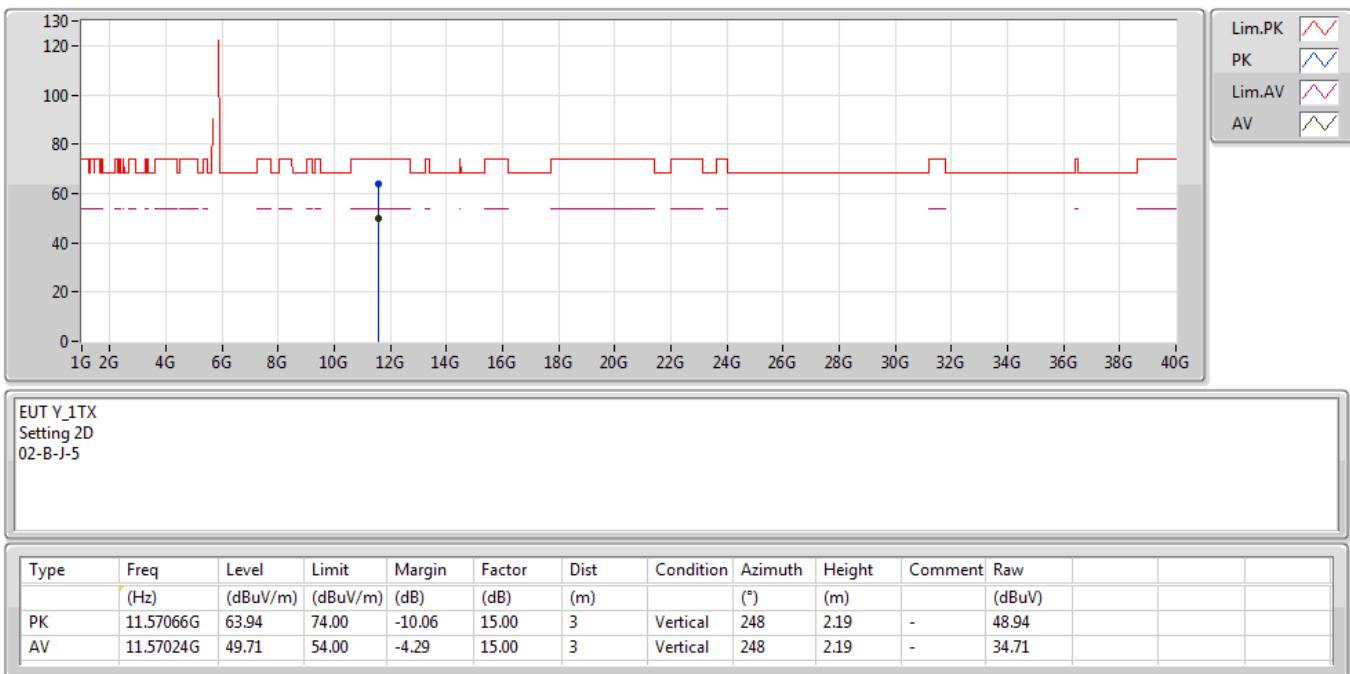
29/11/2019

5785MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.594G	58.15	68.20	-10.05	8.58	3	Horizontal	254	2.98	-	49.57			
PK	5.793G	105.55	Inf	-Inf	8.89	3	Horizontal	254	2.98	-	96.66			
AV	5.788G	94.91	Inf	-Inf	8.87	3	Horizontal	254	2.98	-	86.04			
PK	5.963G	58.28	68.20	-9.92	8.93	3	Horizontal	254	2.98	-	49.35			

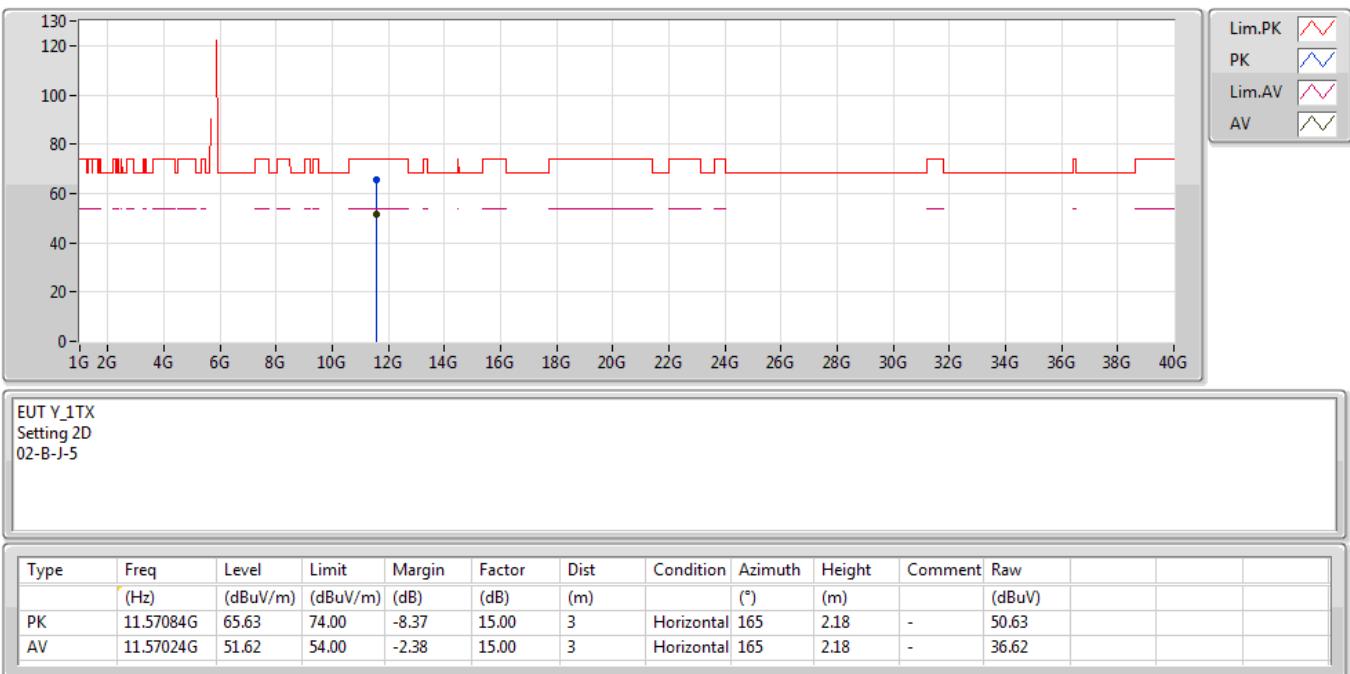
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5785MHz_TX


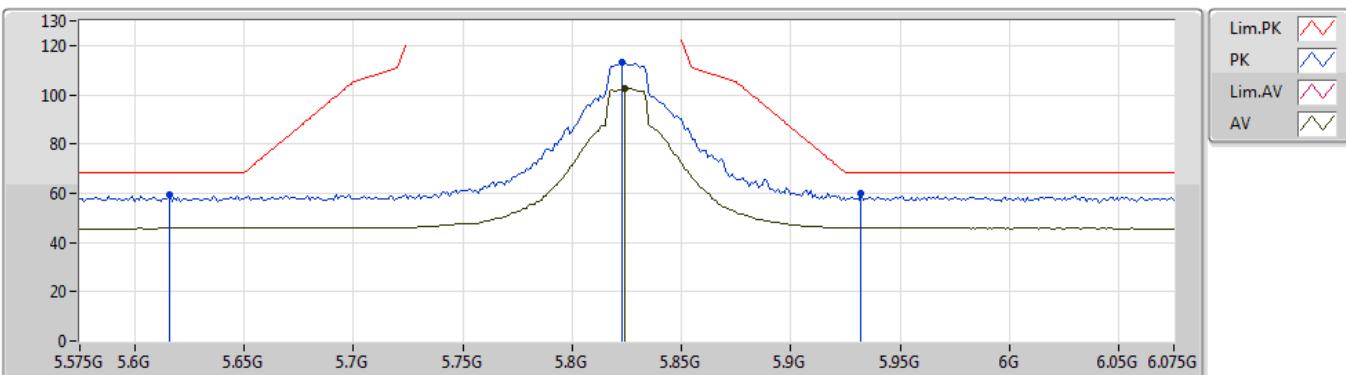
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5785MHz_TX


802.11a_Nss1,(6Mbps)_1TX

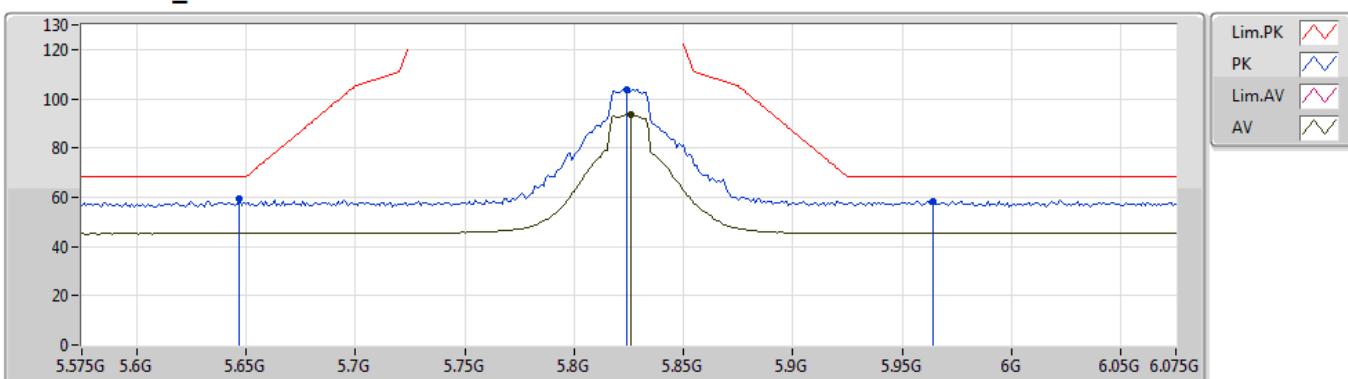
29/11/2019

5825MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.616G	59.58	68.20	-8.62	8.61	3	Vertical	354	1.55	-	50.97			
PK	5.823G	112.97	Inf	-Inf	8.90	3	Vertical	354	1.55	-	104.07			
AV	5.824G	102.68	Inf	-Inf	8.90	3	Vertical	354	1.55	-	93.78			
PK	5.932G	59.85	68.20	-8.35	8.93	3	Vertical	354	1.55	-	50.92			

802.11a_Nss1,(6Mbps)_1TX

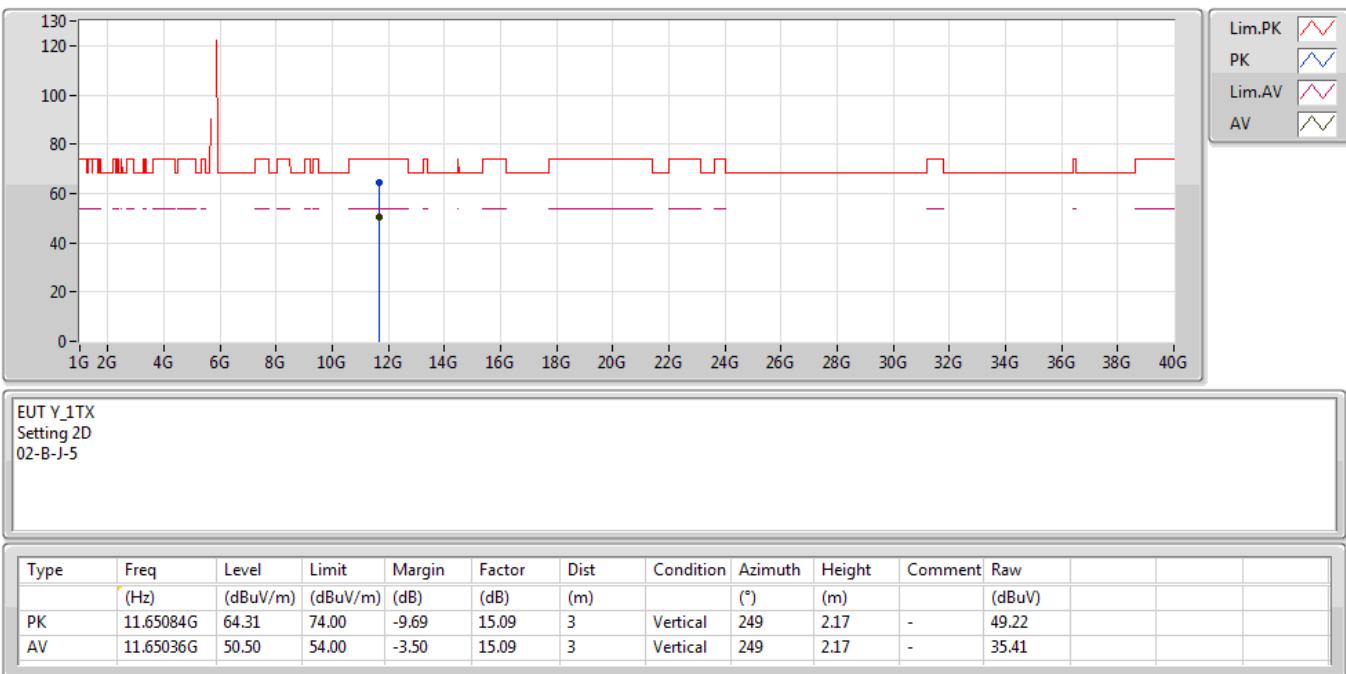
29/11/2019

5825MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.647G	59.38	68.20	-8.82	8.67	3	Horizontal	269	1.85	-	50.71			
PK	5.824G	103.65	Inf	-Inf	8.90	3	Horizontal	269	1.85	-	94.75			
AV	5.826G	93.53	Inf	-Inf	8.91	3	Horizontal	269	1.85	-	84.62			
PK	5.964G	58.50	68.20	-9.70	8.93	3	Horizontal	269	1.85	-	49.57			

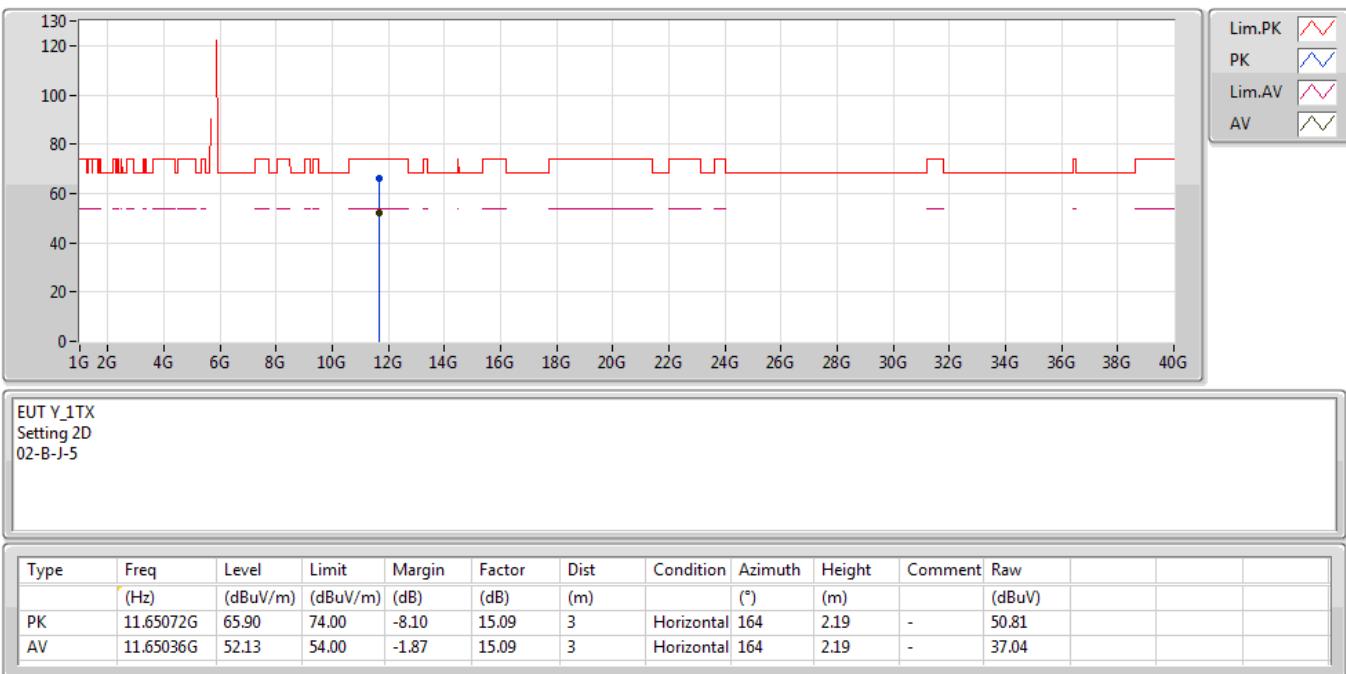
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5825MHz_TX


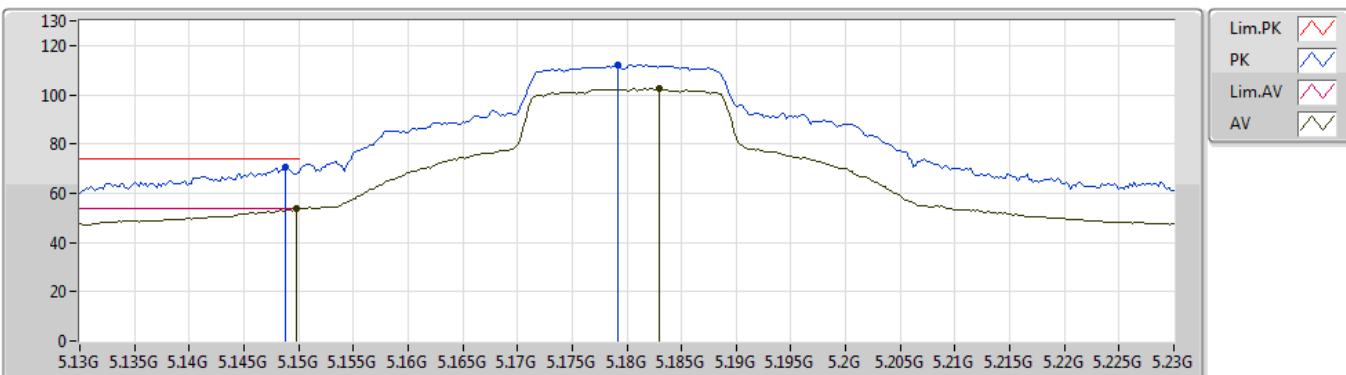
802.11a_Nss1,(6Mbps)_1TX

29/11/2019

5825MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

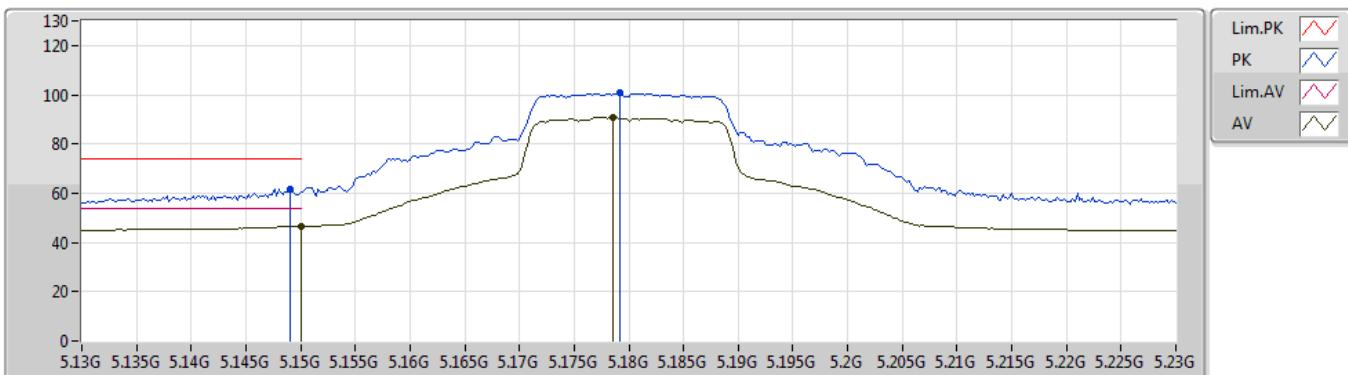
5180MHz_TX

 EUT Y_1TX
 Setting 24
 02-B-B-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1488G	70.67	74.00	-3.33	7.94	3	Vertical	133	1.89	-	62.73			
AV	5.1498G	53.78	54.00	-0.22	7.94	3	Vertical	133	1.89	-	45.84			
PK	5.1792G	112.10	Inf	-Inf	8.02	3	Vertical	133	1.89	-	104.08			
AV	5.183G	102.59	Inf	-Inf	8.02	3	Vertical	133	1.89	-	94.57			

802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5180MHz_TX

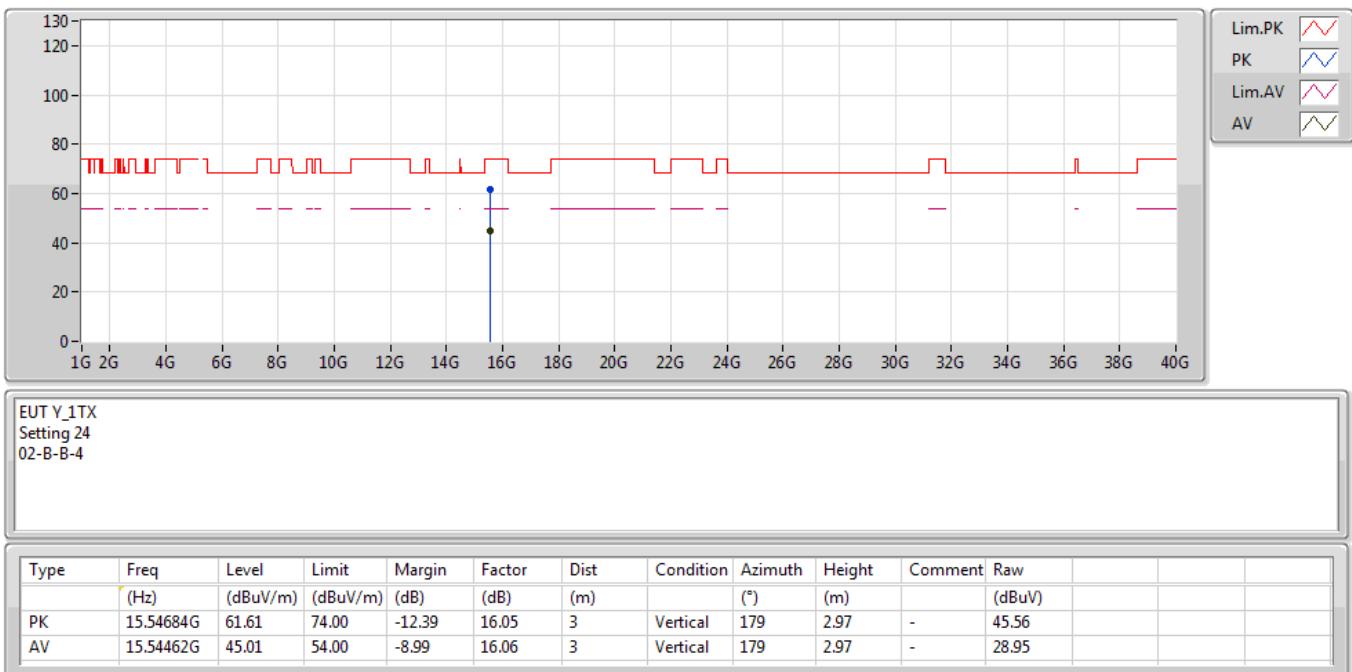


EUT Y_1TX
Setting 24
02-B-B-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.149G	61.61	74.00	-12.39	7.94	3	Horizontal	85	1.31	-	53.67			
AV	5.15G	46.53	54.00	-7.47	7.94	3	Horizontal	85	1.31	-	38.59			
PK	5.1792G	100.83	Inf	-Inf	8.02	3	Horizontal	85	1.31	-	92.81			
AV	5.1786G	90.64	Inf	-Inf	8.02	3	Horizontal	85	1.31	-	82.62			

802.11ac VHT20_Nss1,(MCS0)_1TX

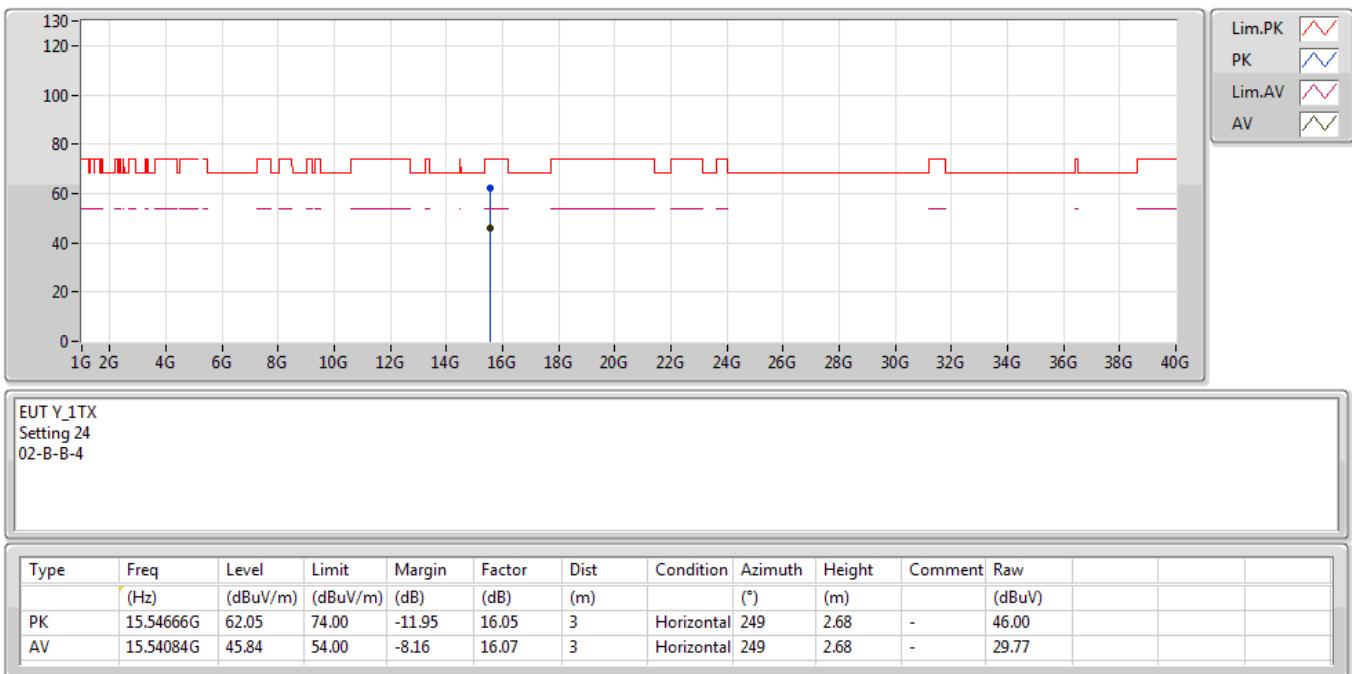
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5180MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

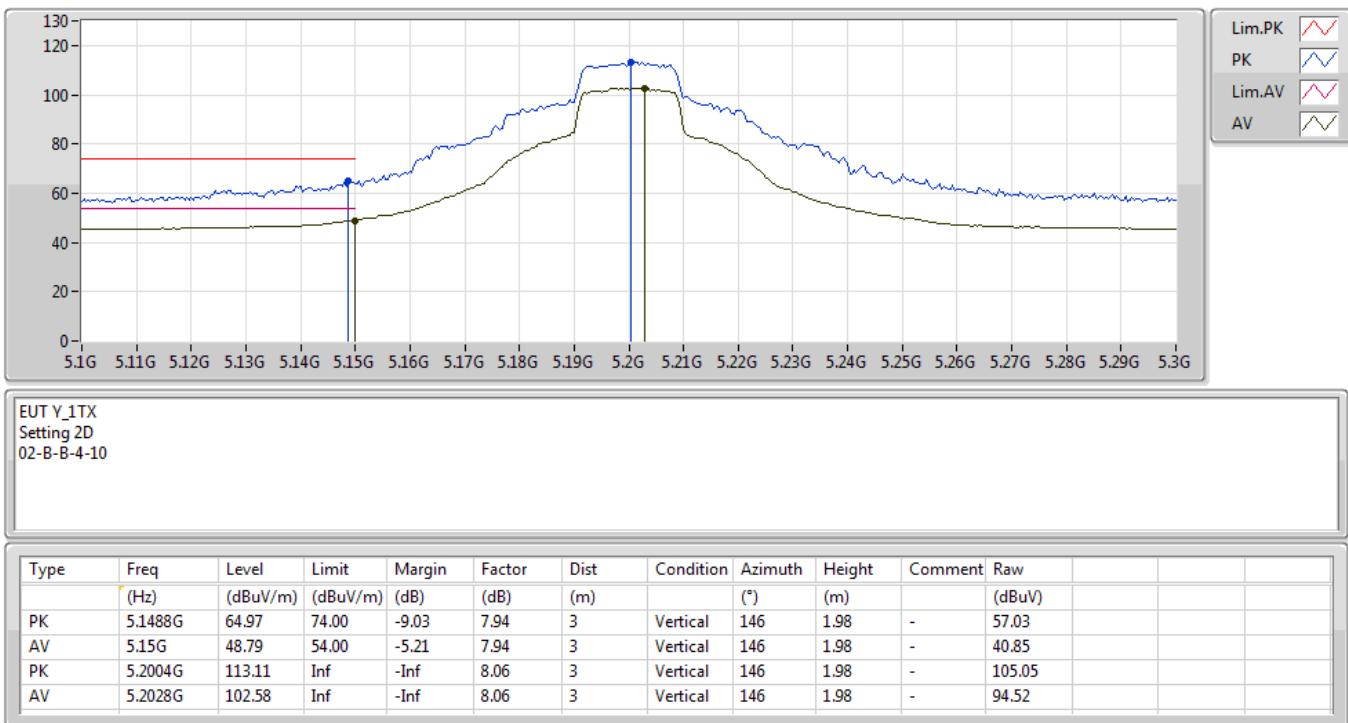
29/11/2019

5180MHz_TX



802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5200MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

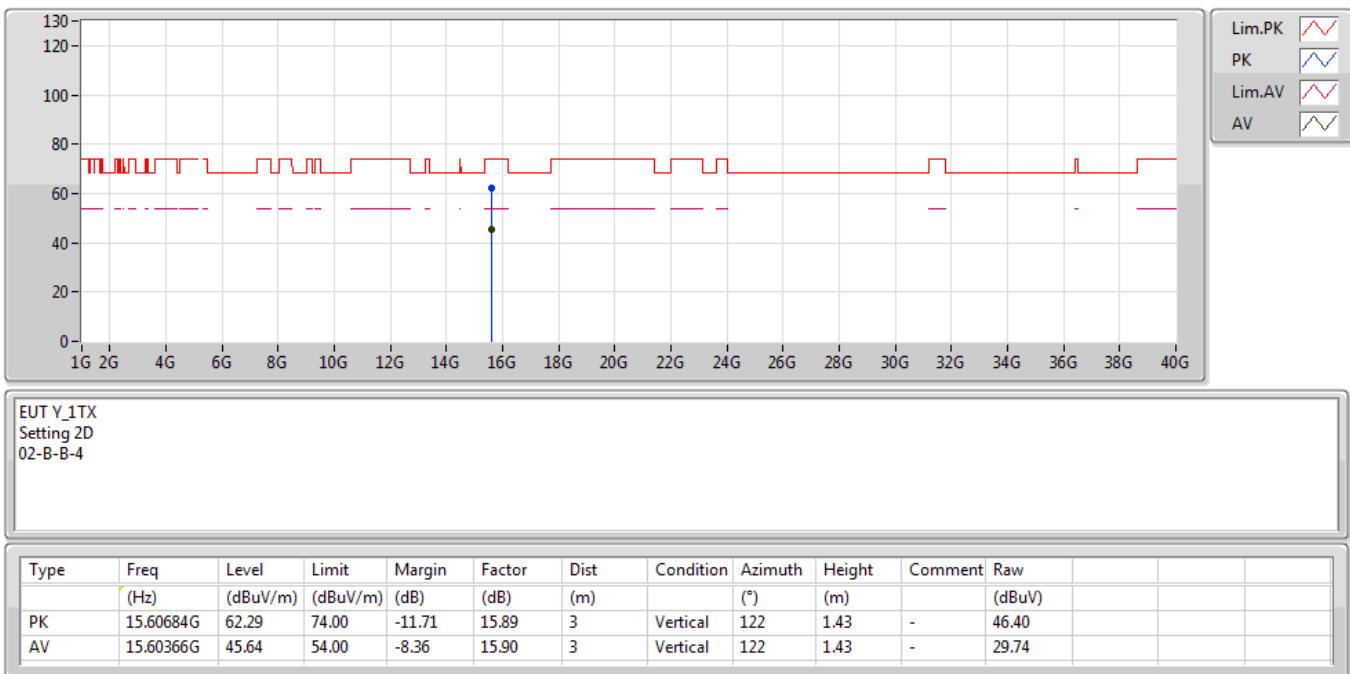
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802.11ac VHT20_Nss1,(MCS0)_1TX

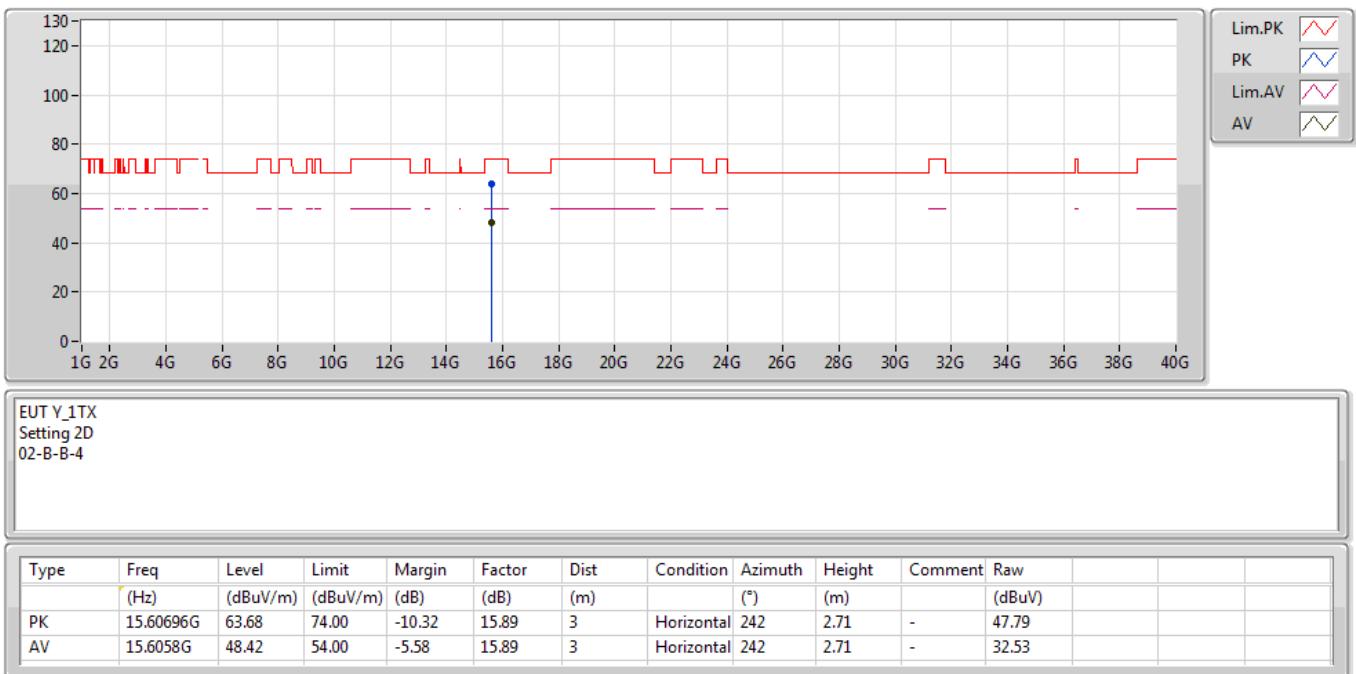
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5200MHz_TX



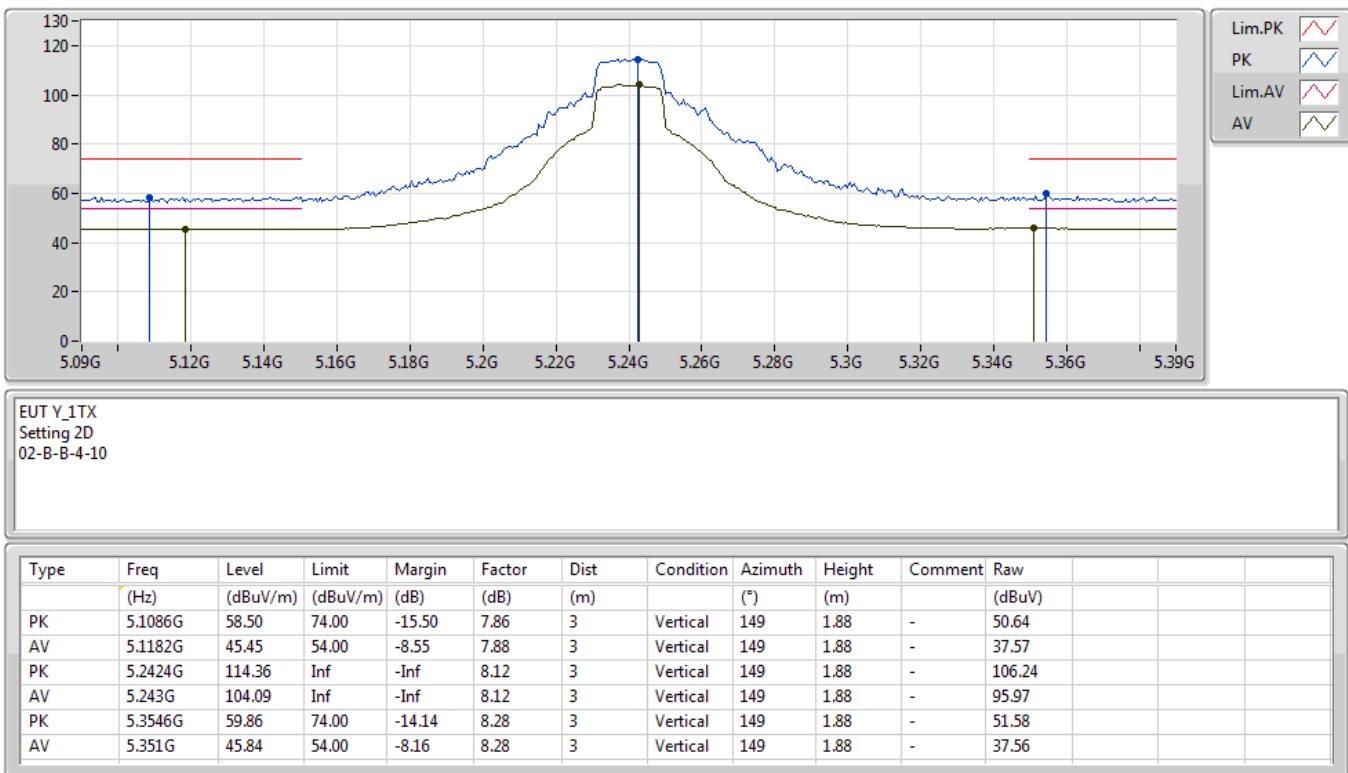
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5200MHz_TX


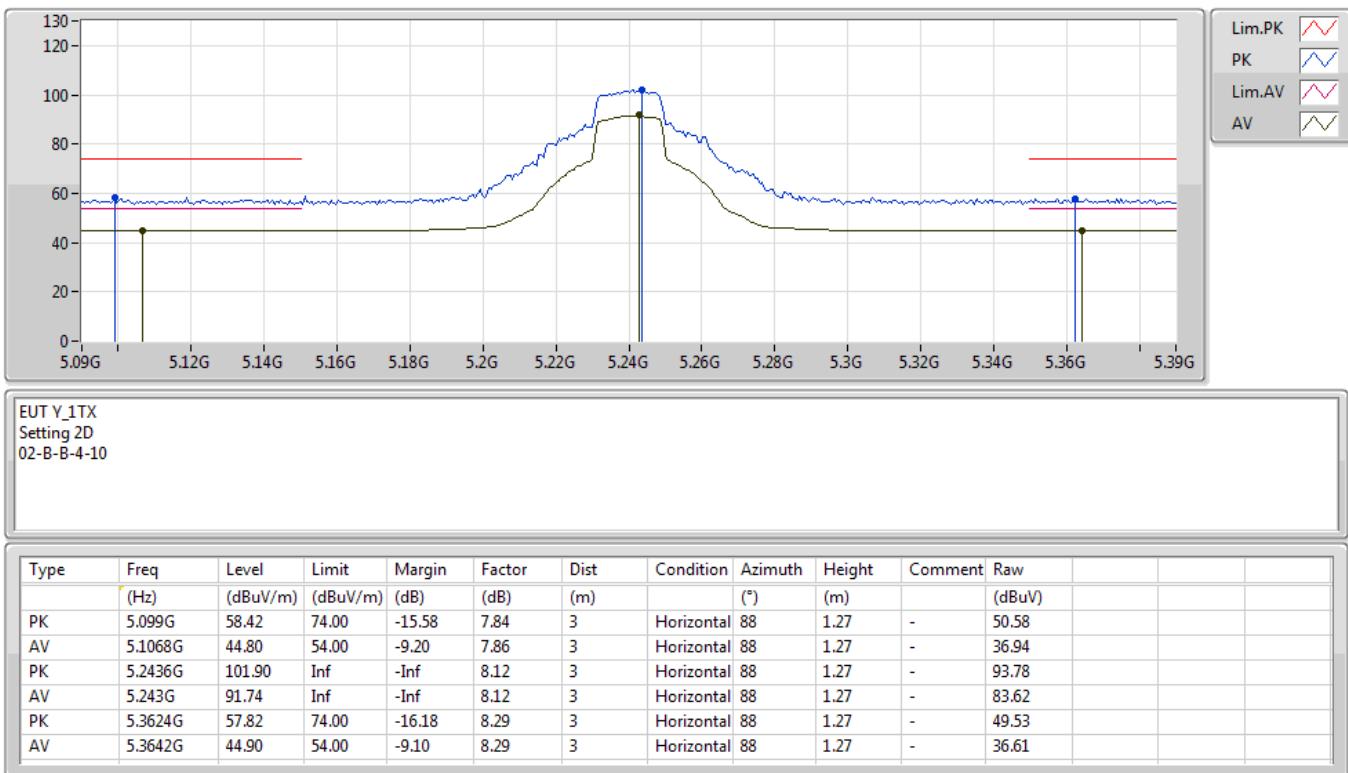
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5240MHz_TX


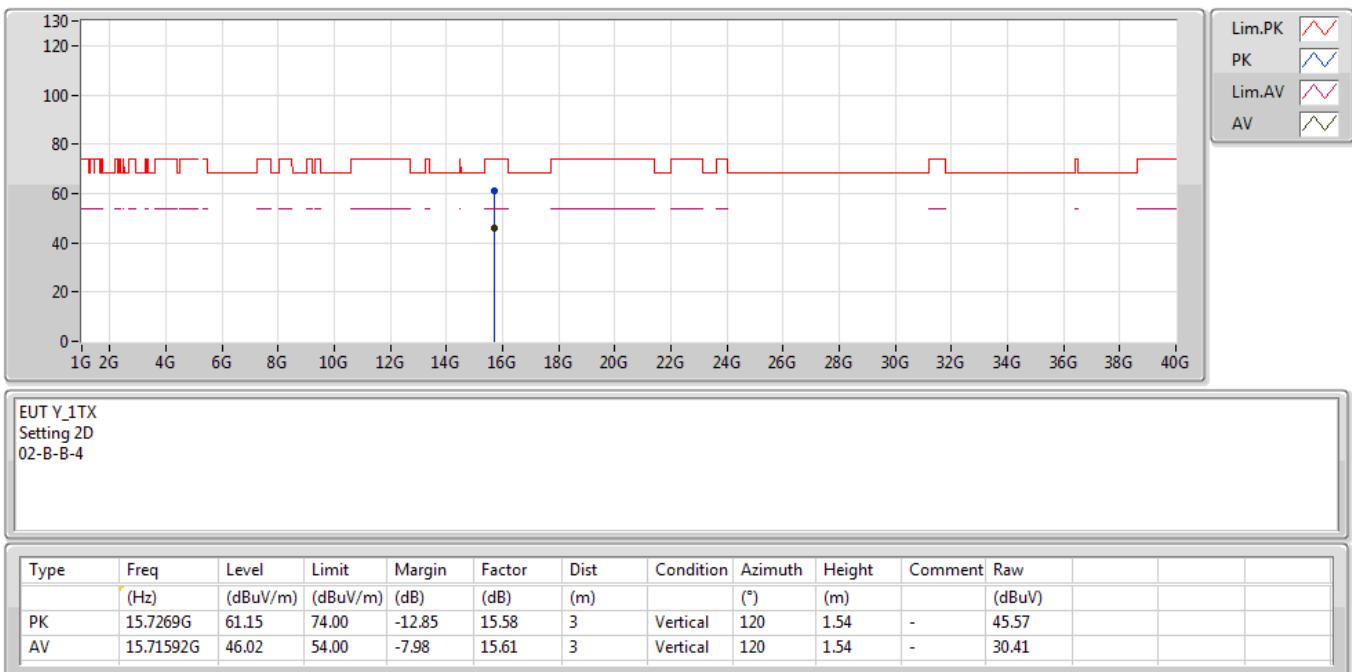
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5240MHz_TX


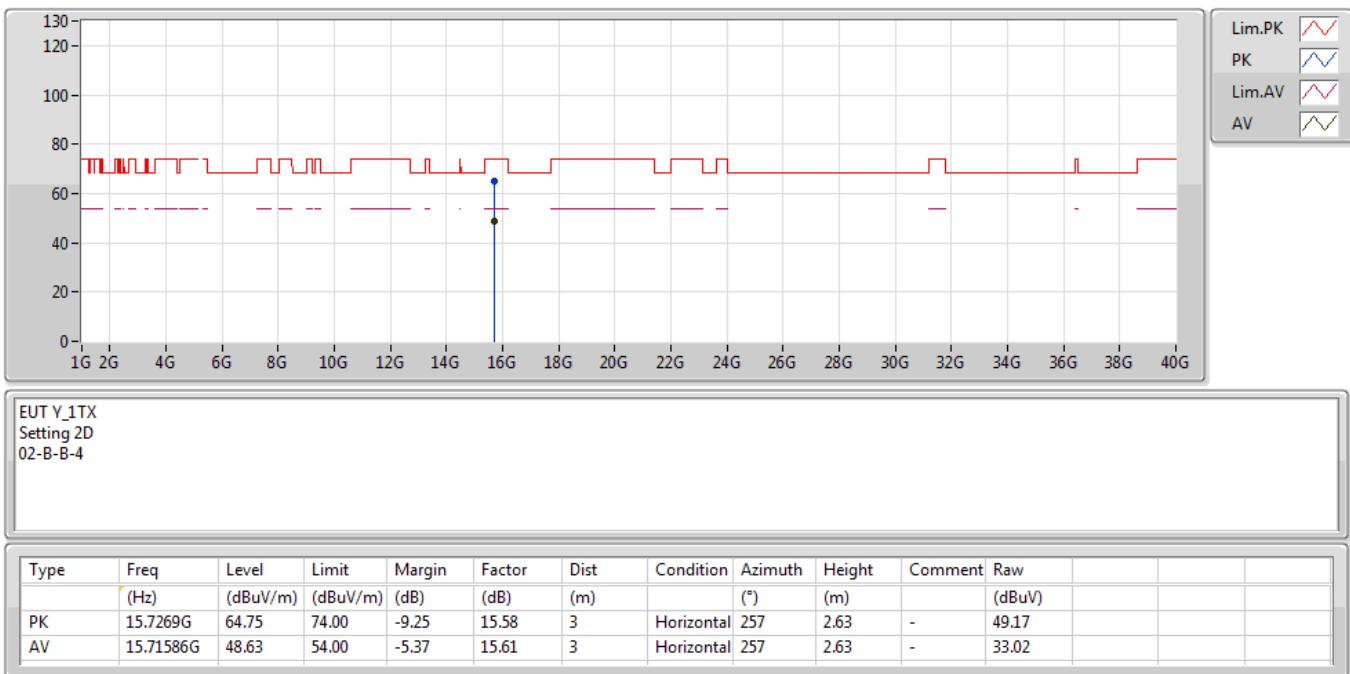
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5240MHz_TX


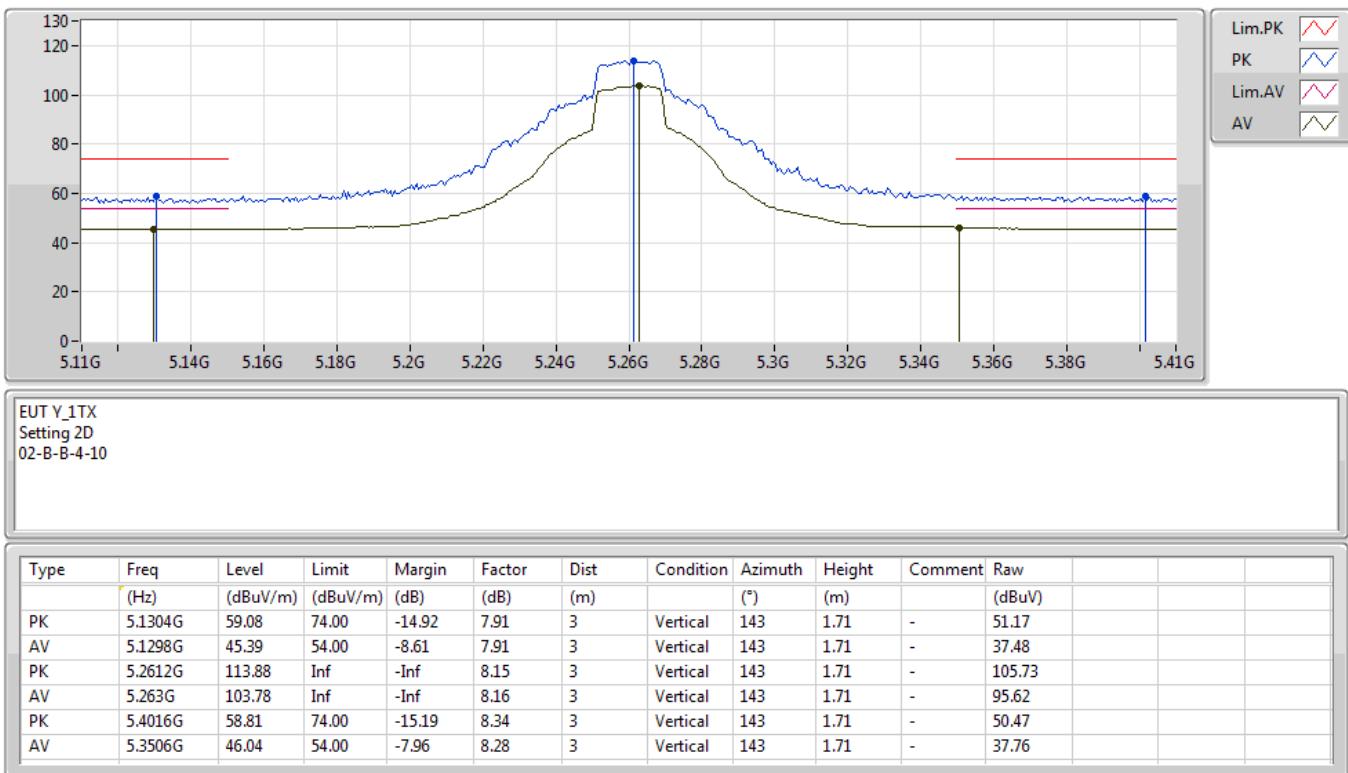
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5240MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5260MHz_TX


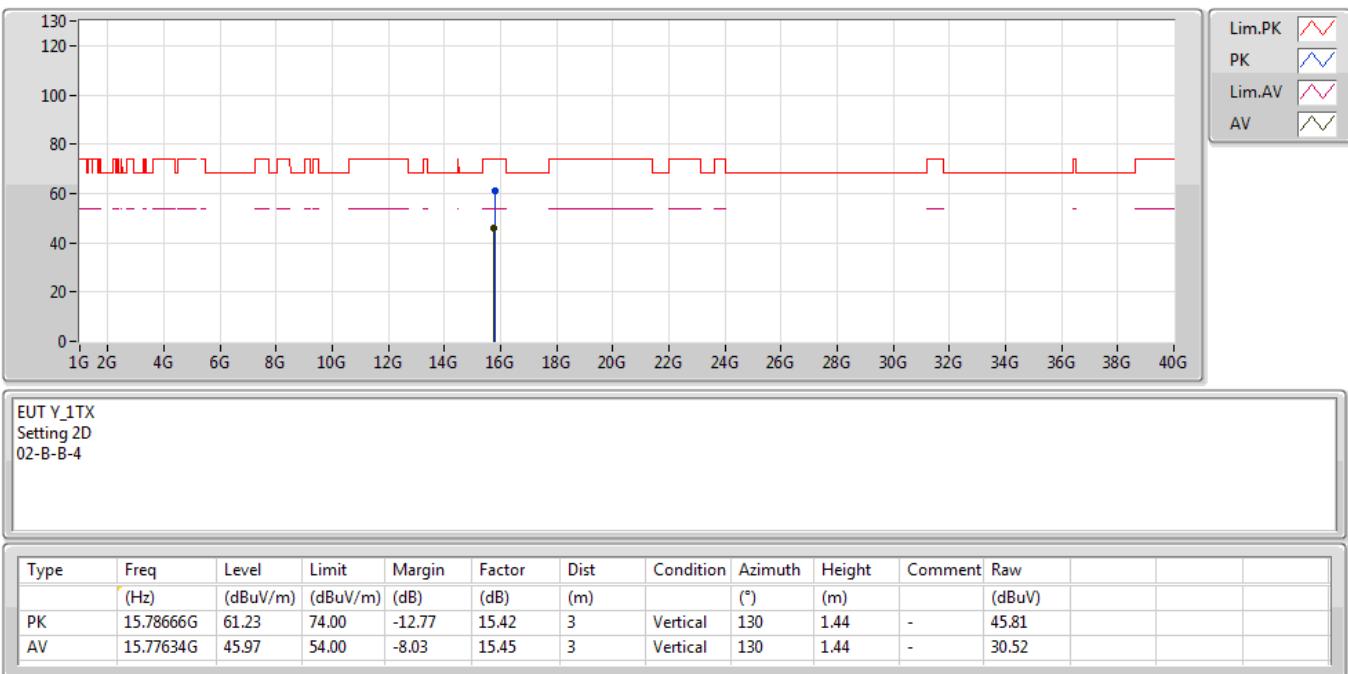
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5260MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

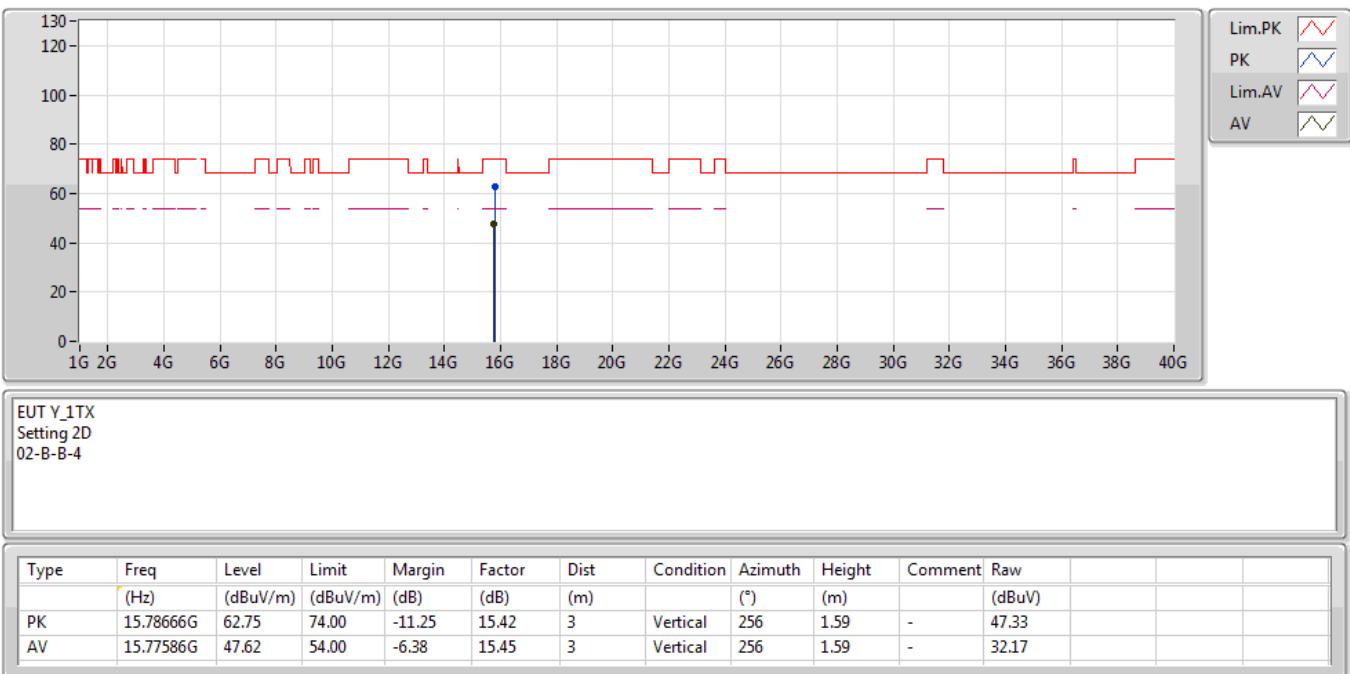
29/11/2019

5260MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

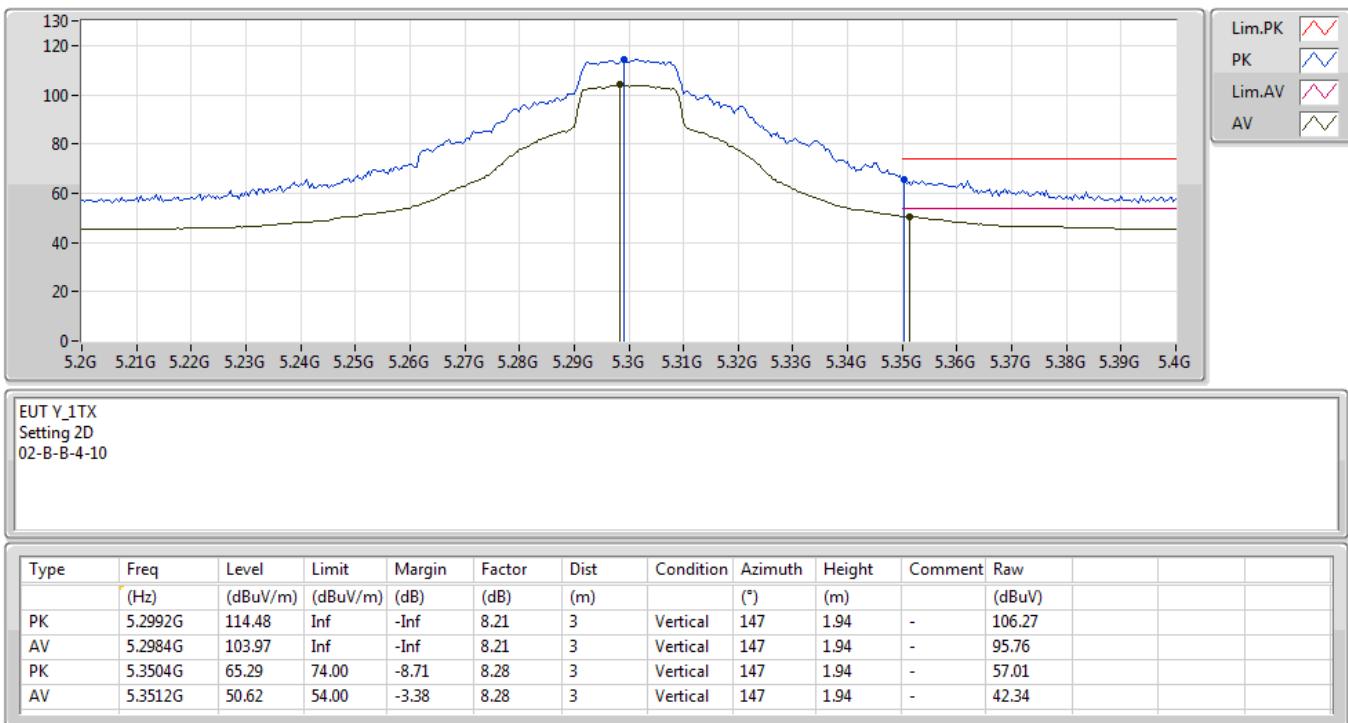
29/11/2019

5260MHz_TX



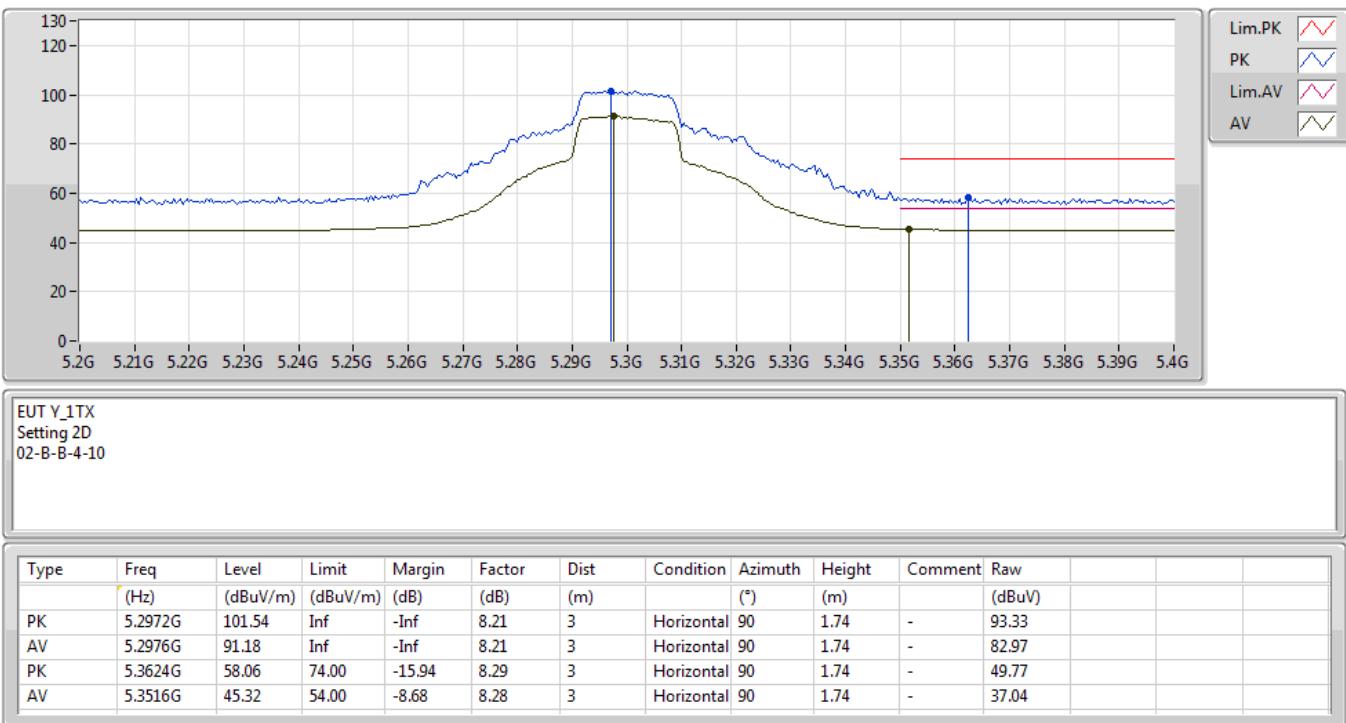
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5300MHz_TX


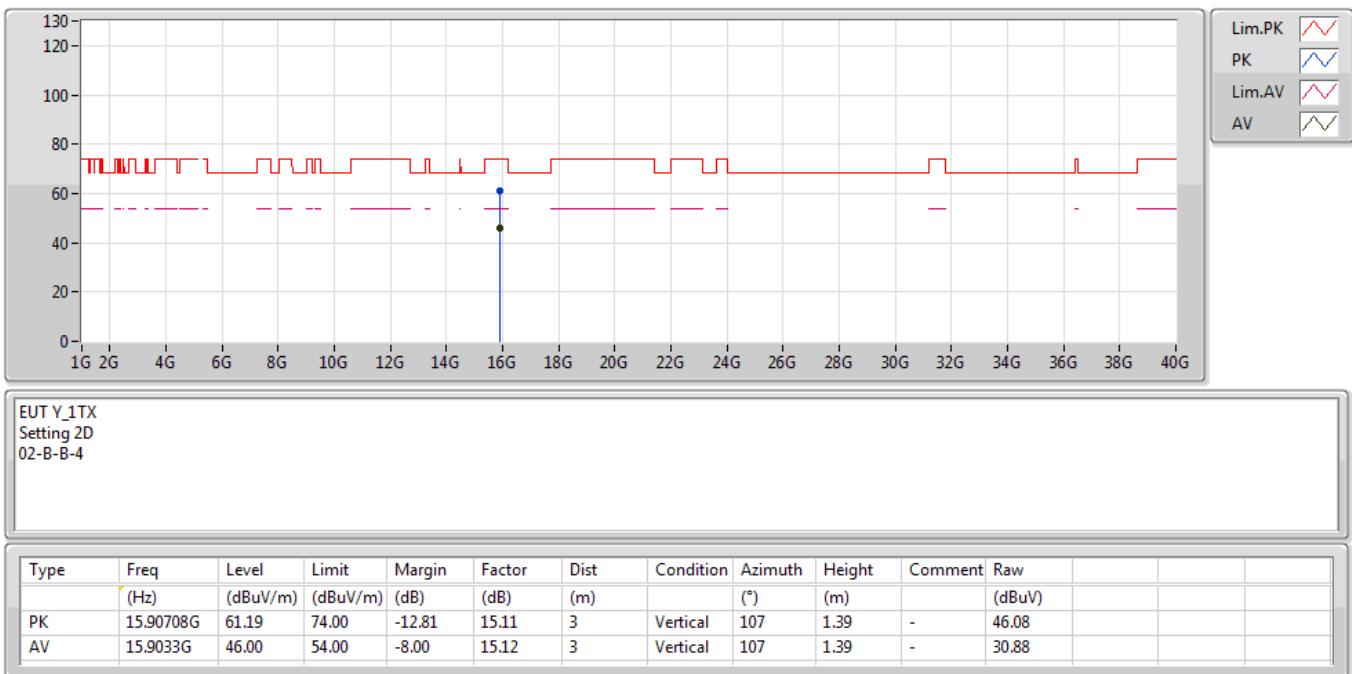
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5300MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

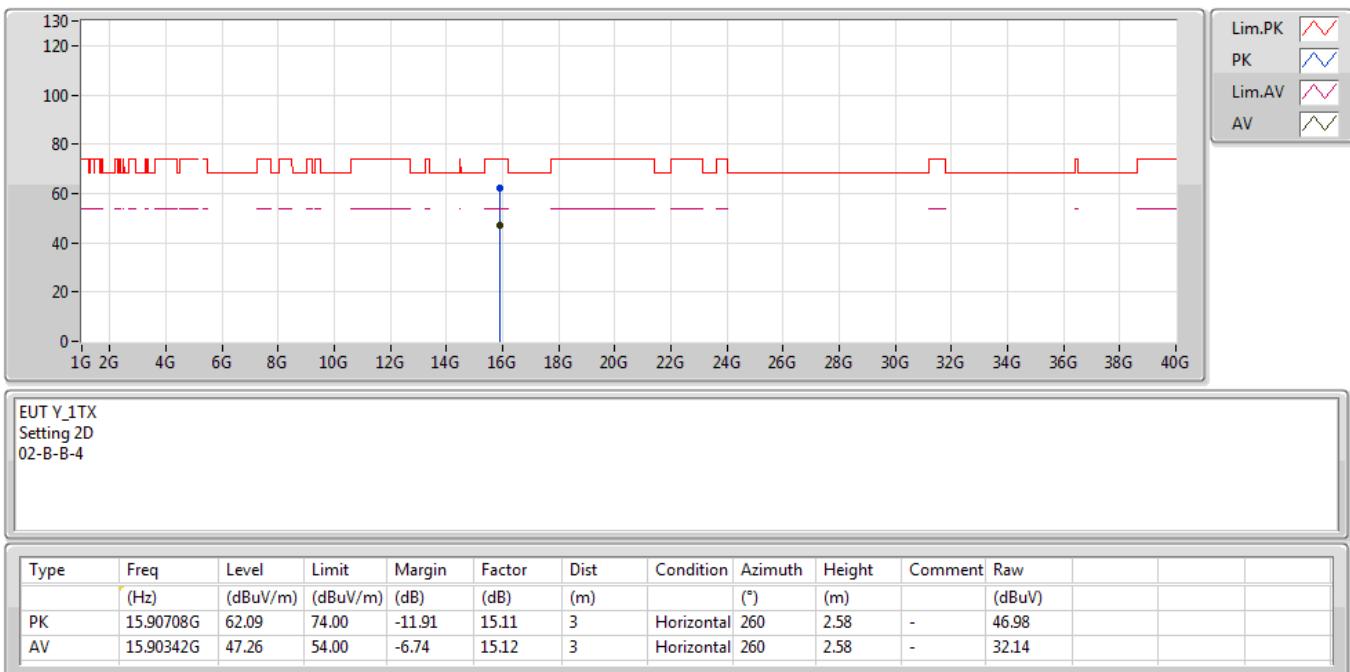
29/11/2019

5300MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

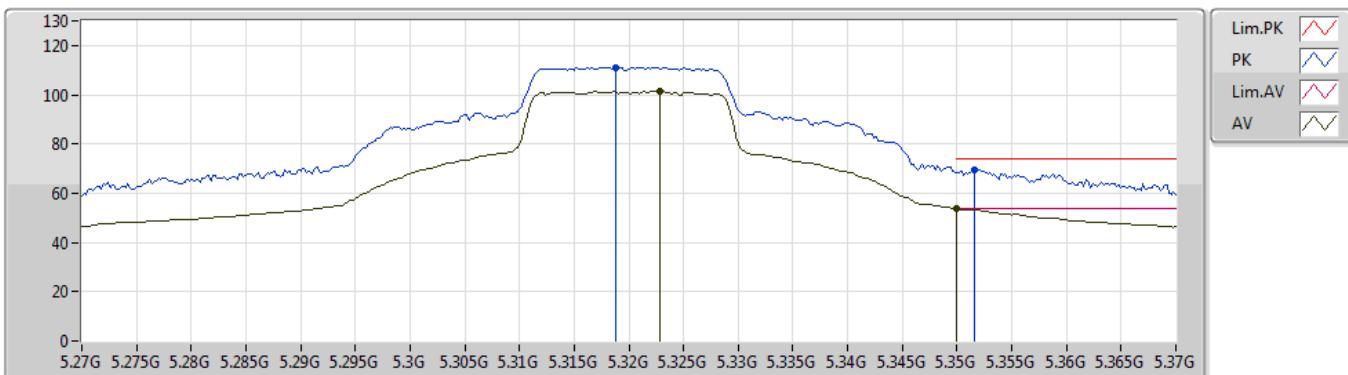
29/11/2019

5300MHz_TX



802.11ac VHT20_Nss1,(MCS0)_1TX

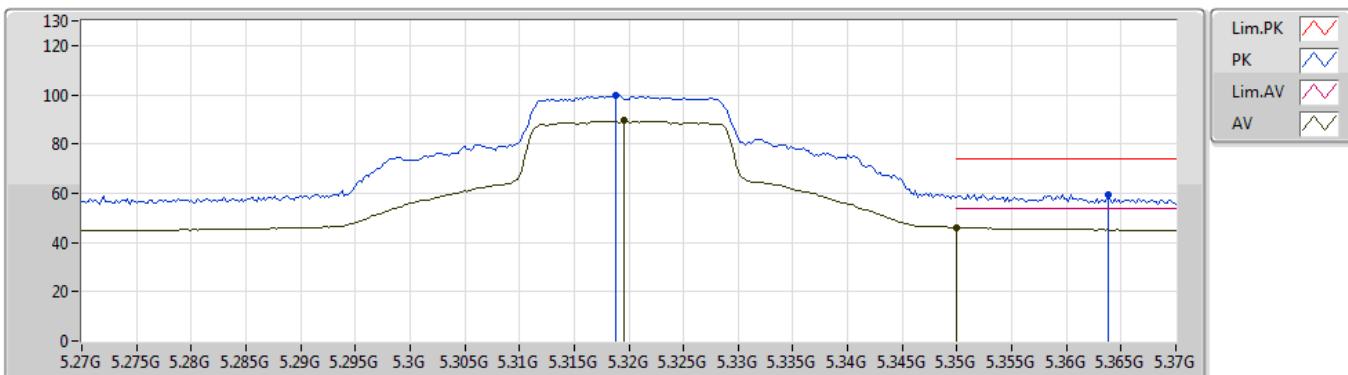
29/11/2019

5320MHz_TX

 EUT Y_1TX
 Setting 20
 02-B-B-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.3188G	111.21	Inf	-Inf	8.23	3	Vertical	134	1.66	-	102.98			
AV	5.3228G	101.33	Inf	-Inf	8.24	3	Vertical	134	1.66	-	93.09			
PK	5.3516G	69.65	74.00	-4.35	8.28	3	Vertical	134	1.66	-	61.37			
AV	5.35G	53.66	54.00	-0.34	8.28	3	Vertical	134	1.66	-	45.38			

802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

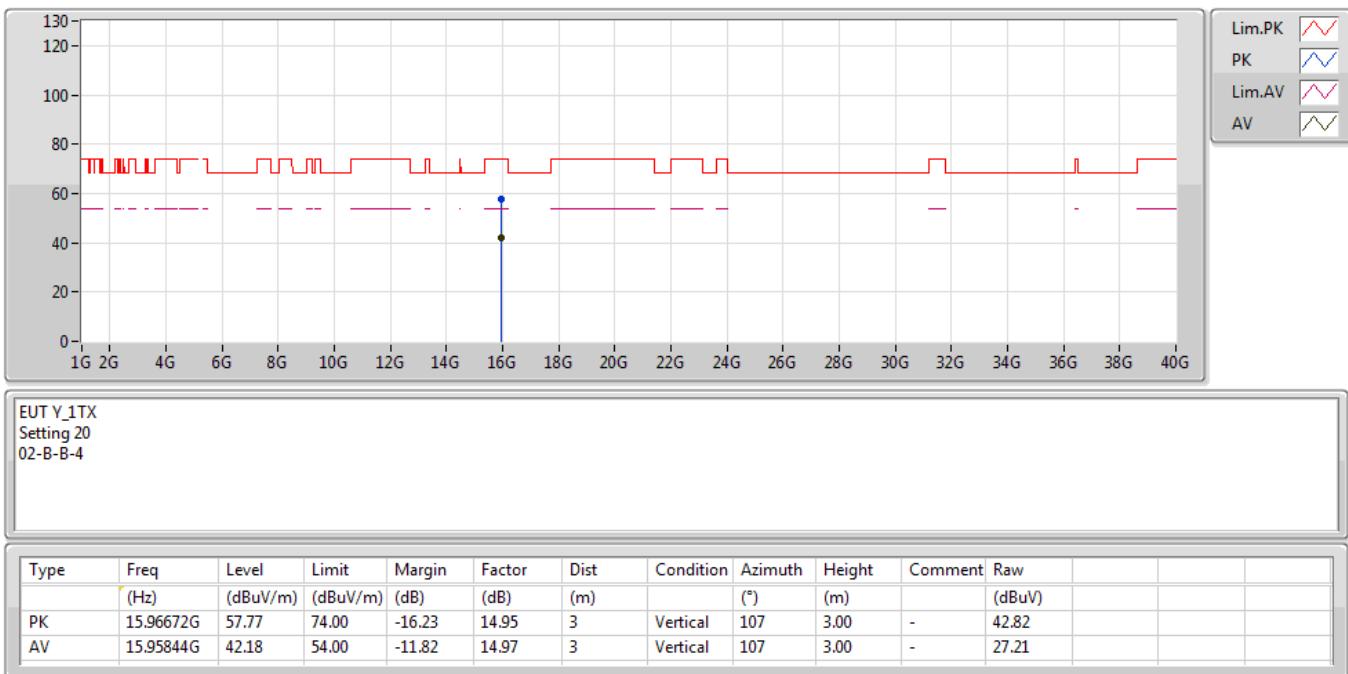
5320MHz_TX


EUT Y_1TX
Setting 20
02-B-B-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.3188G	99.60	Inf	-Inf	8.23	3	Horizontal	79	1.65	-	91.37			
AV	5.3196G	89.38	Inf	-Inf	8.23	3	Horizontal	79	1.65	-	81.15			
PK	5.3638G	59.62	74.00	-14.38	8.29	3	Horizontal	79	1.65	-	51.33			
AV	5.35G	46.00	54.00	-8.00	8.28	3	Horizontal	79	1.65	-	37.72			

802.11ac VHT20_Nss1,(MCS0)_1TX

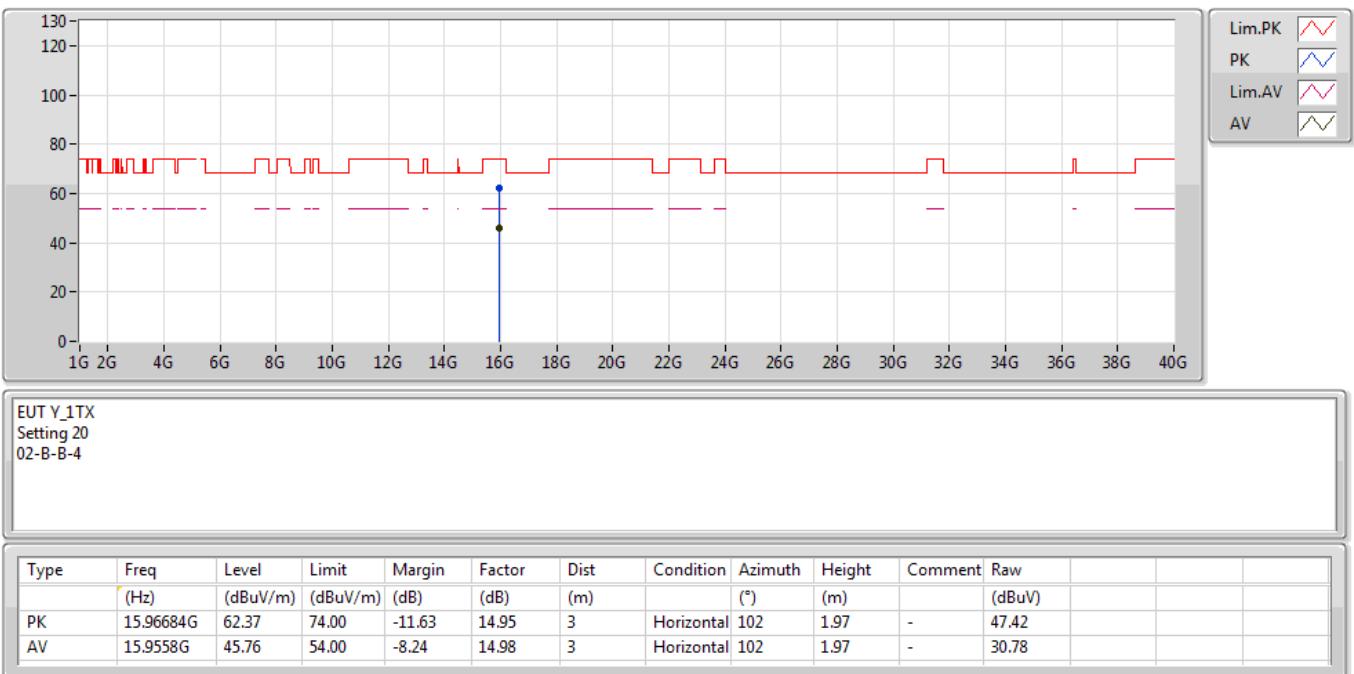
29/11/2019

5320MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

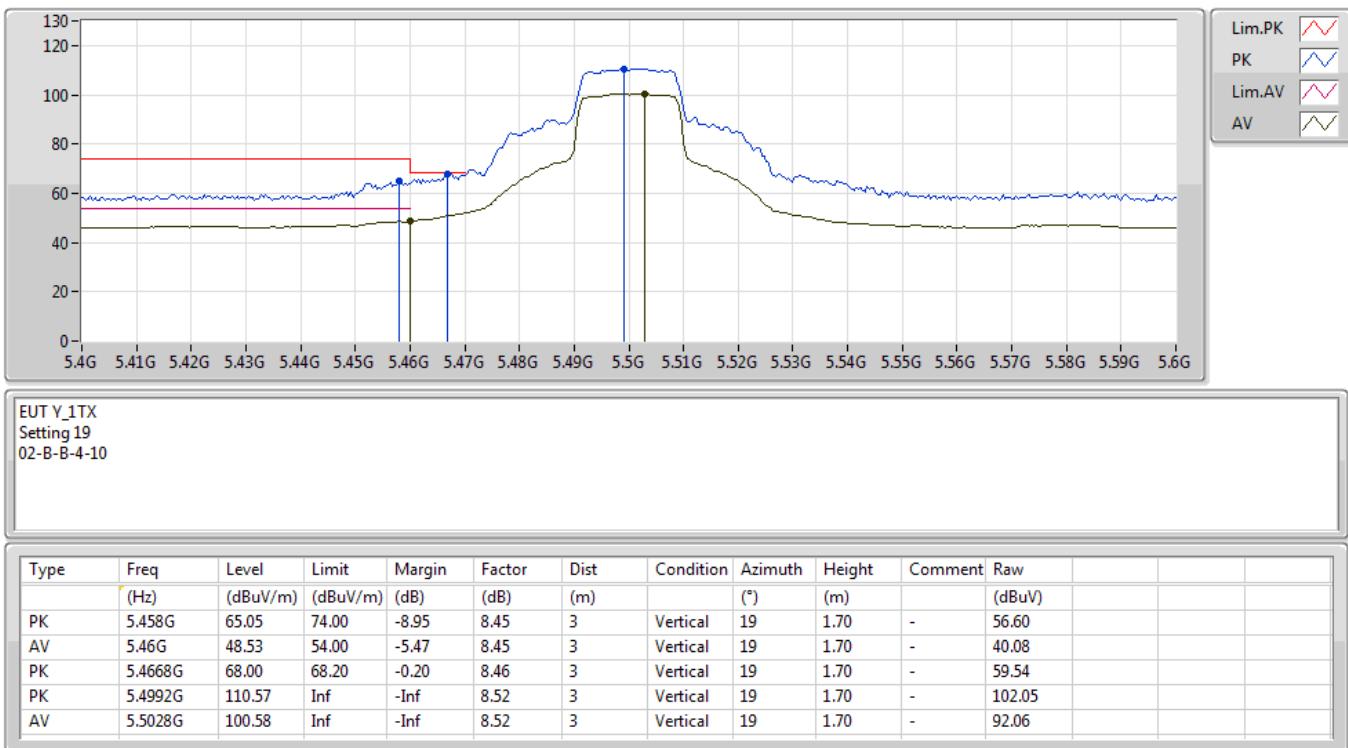
29/11/2019

5320MHz_TX



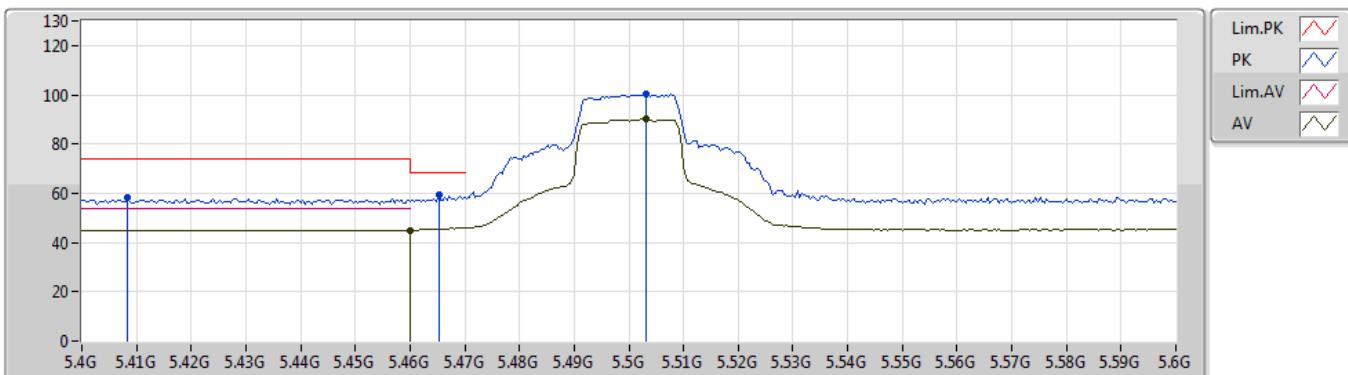
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5500MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

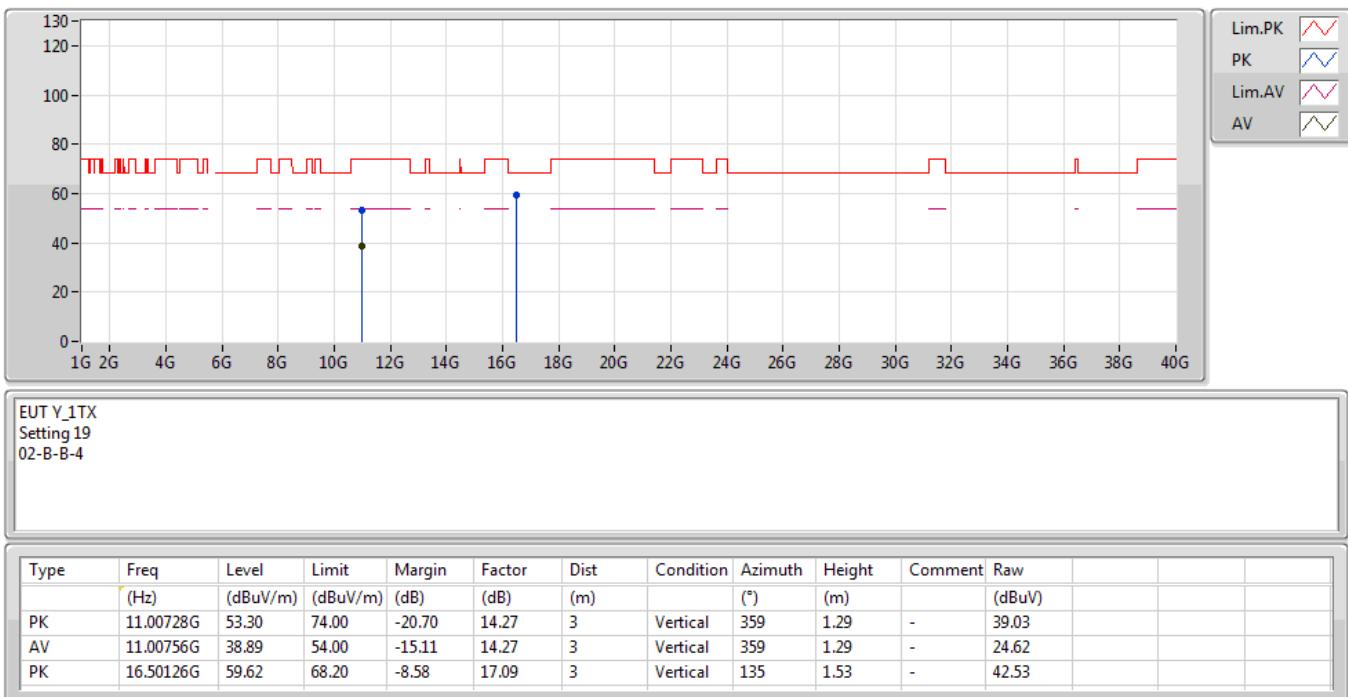
29/11/2019

5500MHz_TX

 EUT Y_1TX
 Setting 19
 02-B-B-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4084G	58.06	74.00	-15.94	8.35	3	Horizontal	255	2.99	-	49.71			
PK	5.4652G	59.27	68.20	-8.93	8.45	3	Horizontal	255	2.99	-	50.82			
AV	5.46G	45.06	54.00	-8.94	8.45	3	Horizontal	255	2.99	-	36.61			
PK	5.5032G	100.10	Inf	-Inf	8.52	3	Horizontal	255	2.99	-	91.58			
AV	5.5032G	90.08	Inf	-Inf	8.52	3	Horizontal	255	2.99	-	81.56			

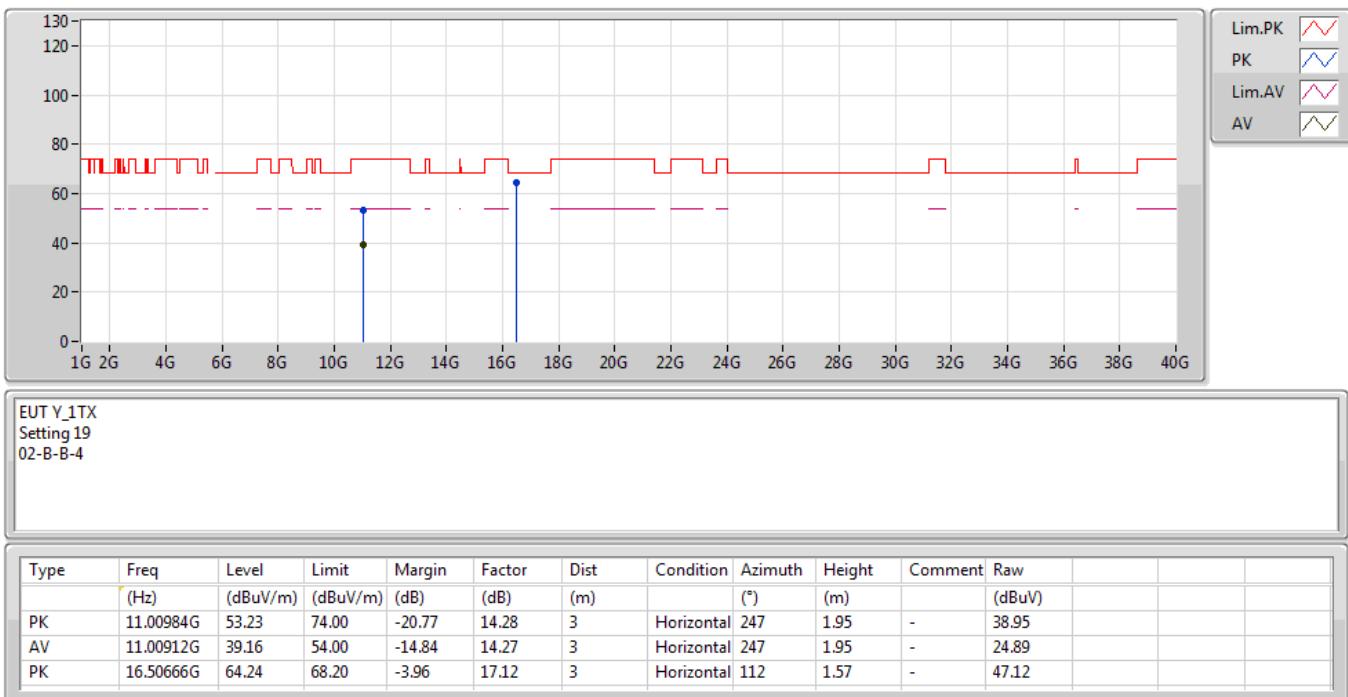
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5500MHz_TX


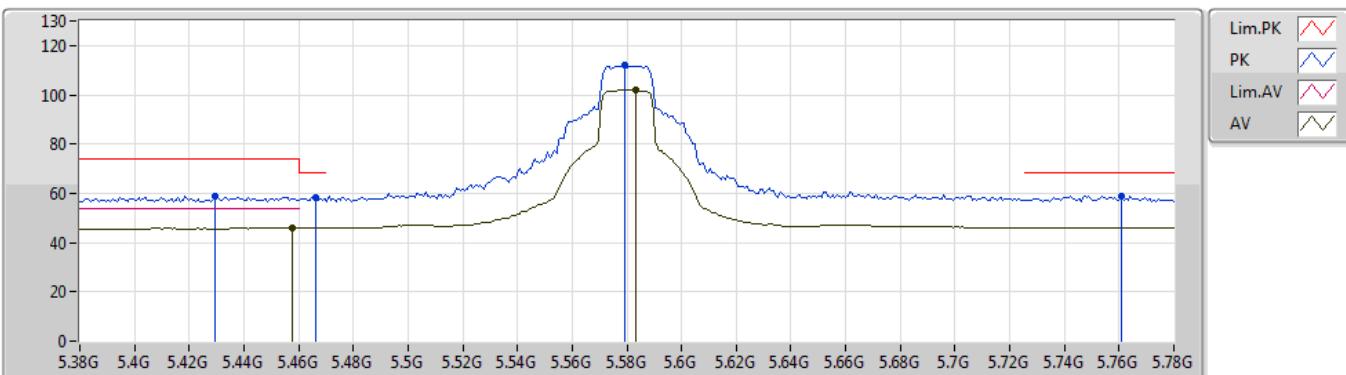
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5500MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

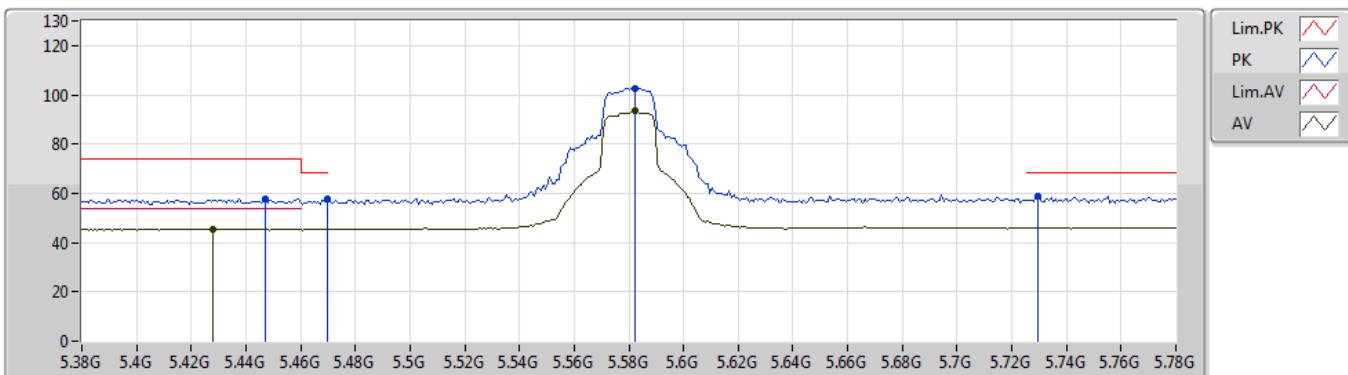
29/11/2019

5580MHz_TX

 EUT Y_1TX
 Setting 1D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4296G	59.06	74.00	-14.94	8.40	3	Vertical	13	1.85	-	50.66			
AV	5.4576G	45.86	54.00	-8.14	8.44	3	Vertical	13	1.85	-	37.42			
PK	5.4664G	58.47	68.20	-9.73	8.46	3	Vertical	13	1.85	-	50.01			
PK	5.5792G	111.85	Inf	-Inf	8.57	3	Vertical	13	1.85	-	103.28			
AV	5.5832G	101.97	Inf	-Inf	8.57	3	Vertical	13	1.85	-	93.40			
PK	5.7608G	58.97	68.20	-9.23	8.85	3	Vertical	13	1.85	-	50.12			

802.11ac VHT20_Nss1,(MCS0)_1TX

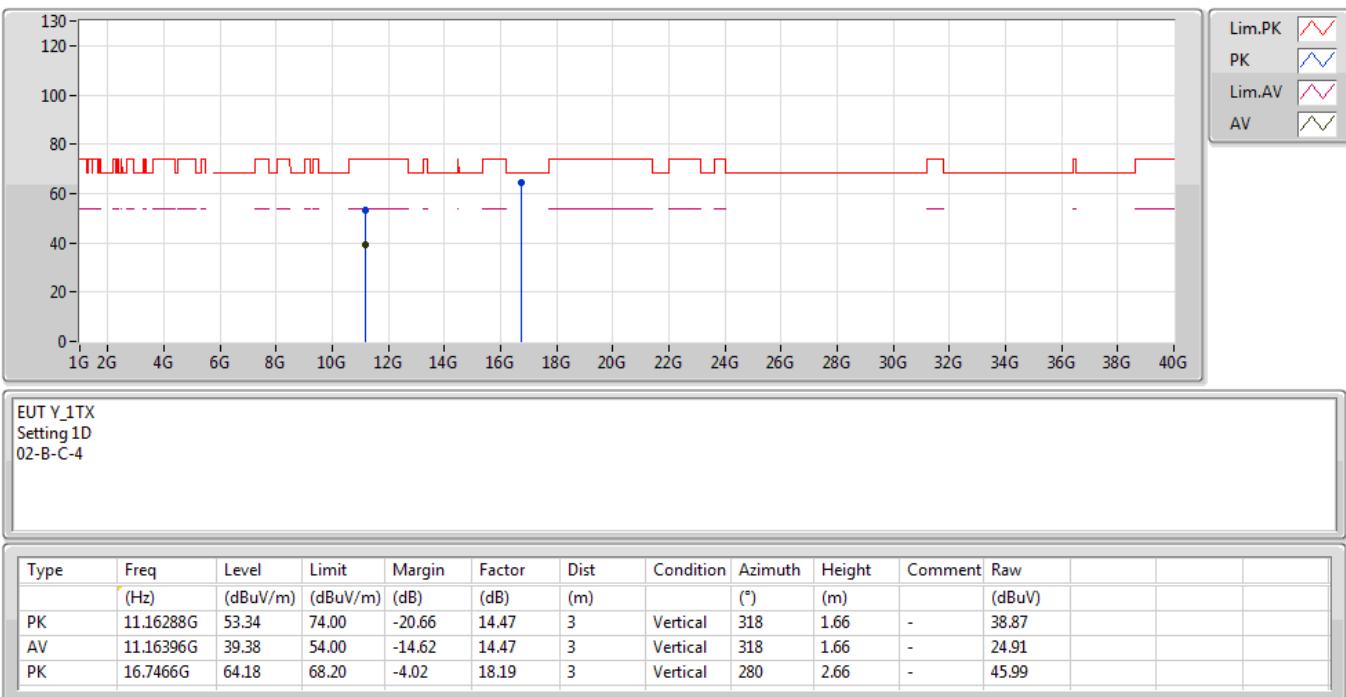
29/11/2019

5580MHz_TX

 EUT Y_1TX
 Setting 1D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4472G	57.70	74.00	-16.30	8.42	3	Horizontal	262	2.91	-	49.28			
AV	5.428G	45.54	54.00	-8.46	8.40	3	Horizontal	262	2.91	-	37.14			
PK	5.4696G	57.59	68.20	-10.61	8.46	3	Horizontal	262	2.91	-	49.13			
PK	5.5824G	102.62	Inf	-Inf	8.57	3	Horizontal	262	2.91	-	94.05			
AV	5.5824G	93.32	Inf	-Inf	8.57	3	Horizontal	262	2.91	-	84.75			
PK	5.7296G	59.01	68.20	-9.19	8.80	3	Horizontal	262	2.91	-	50.21			

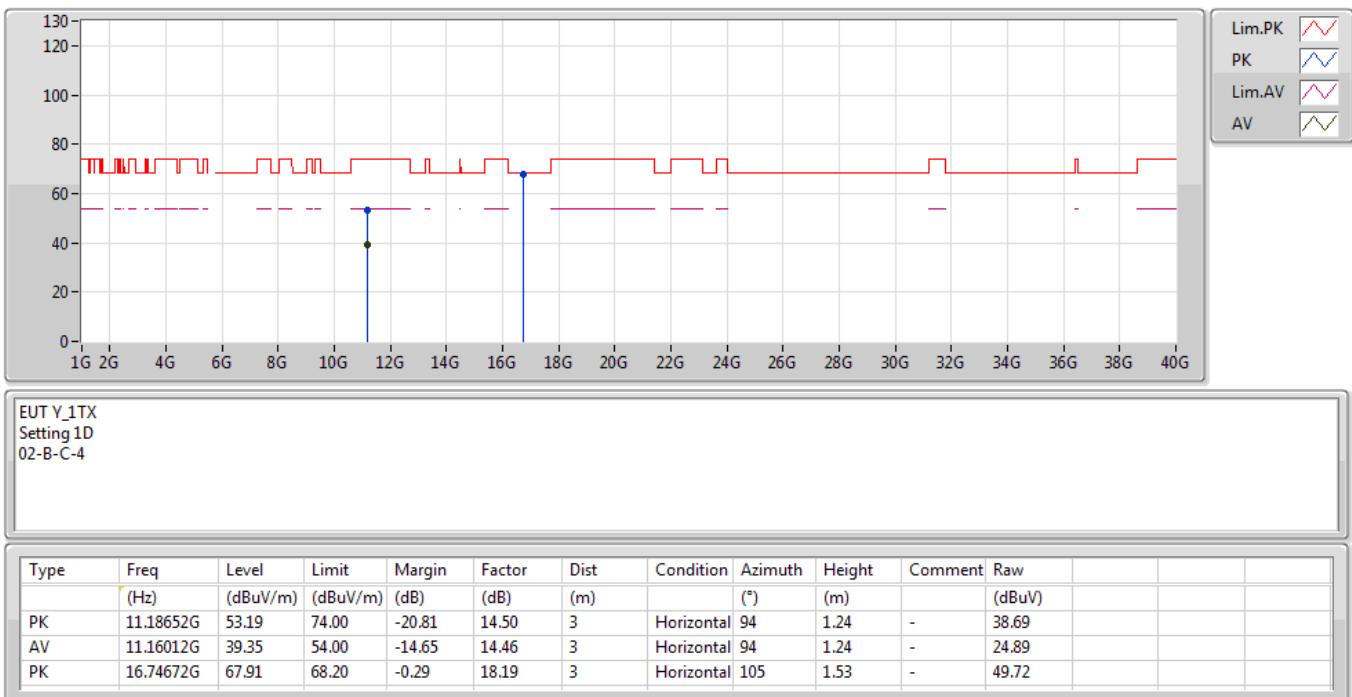
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5580MHz_TX


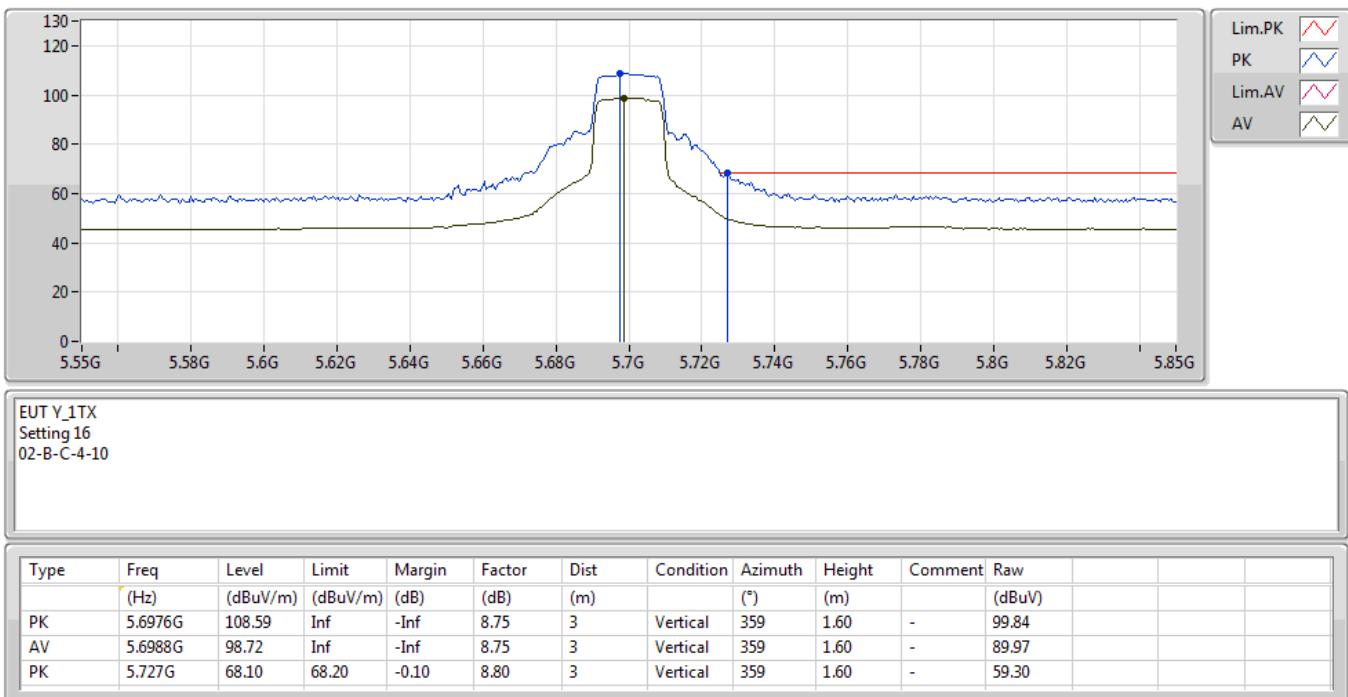
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5580MHz_TX


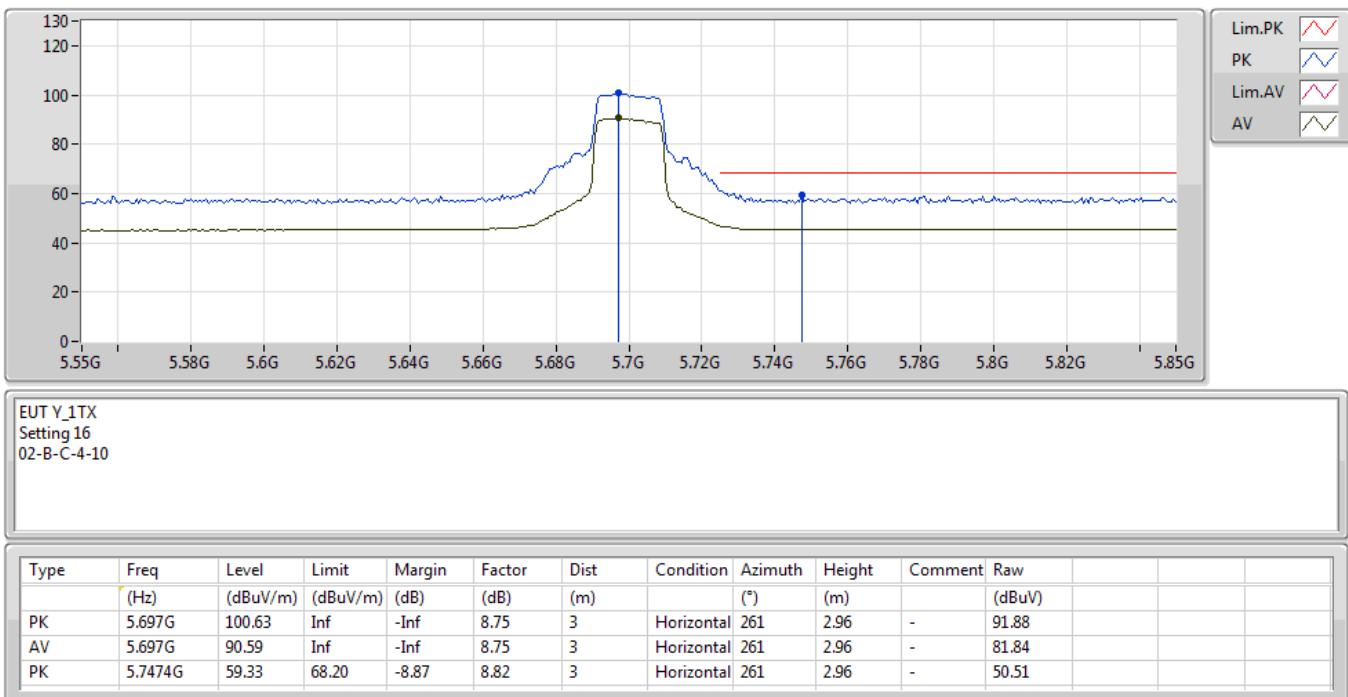
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5700MHz_TX


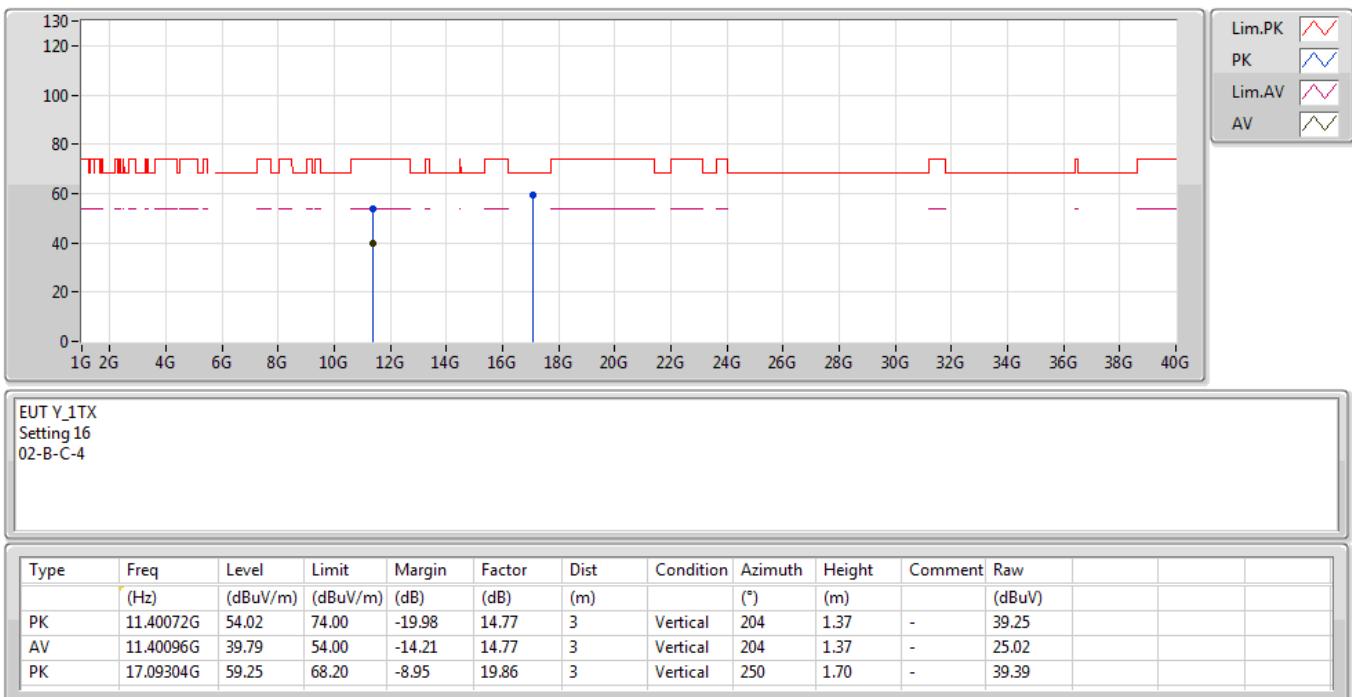
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5700MHz_TX


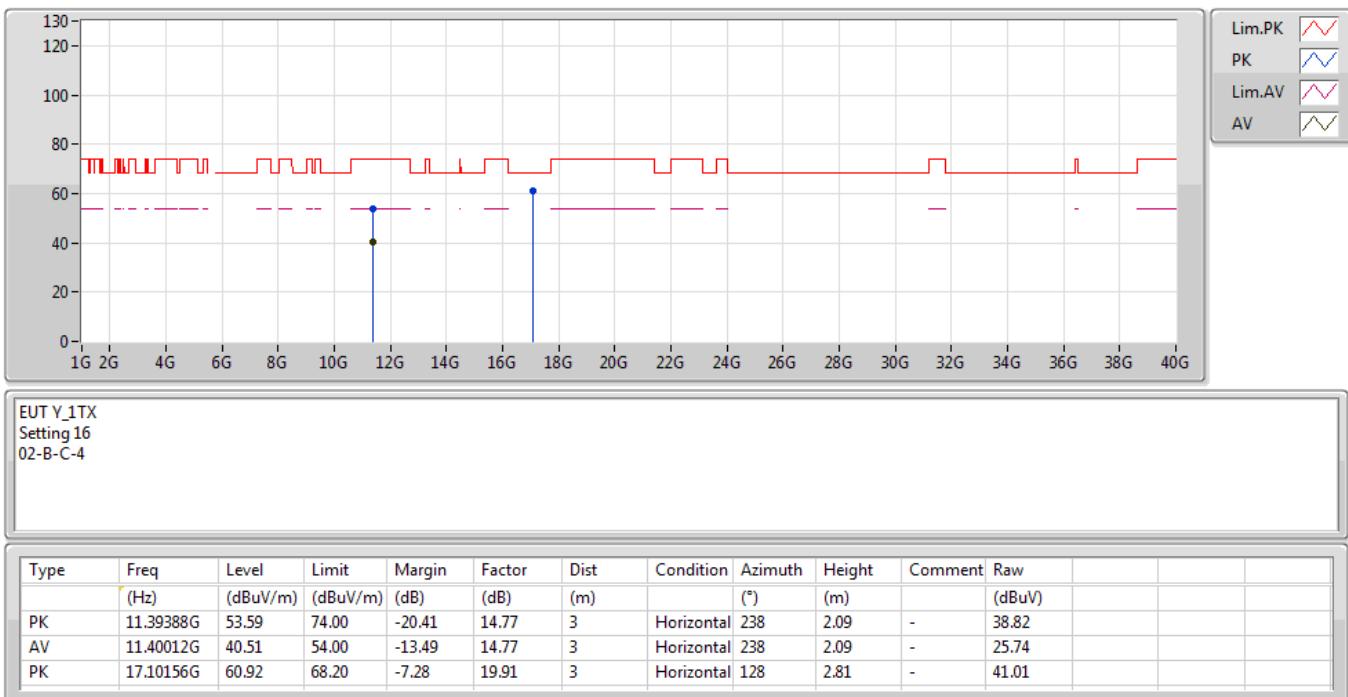
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5700MHz_TX


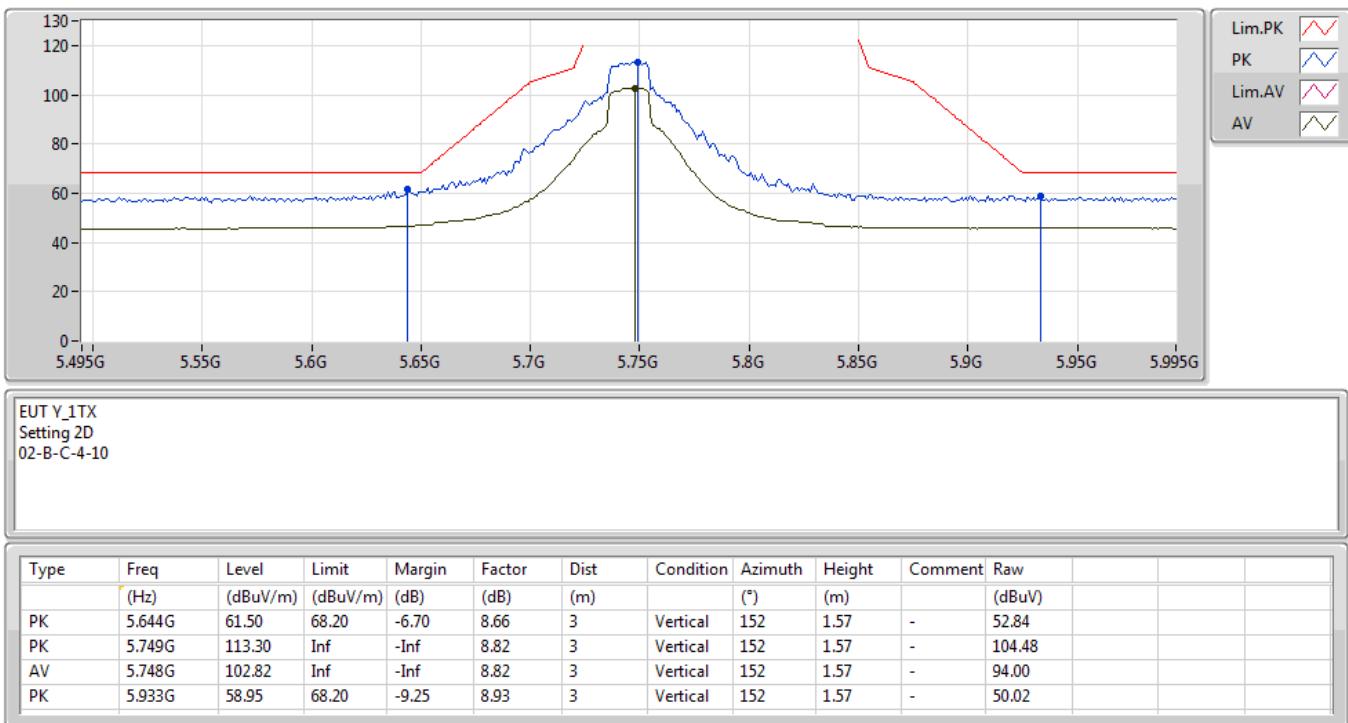
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5700MHz_TX


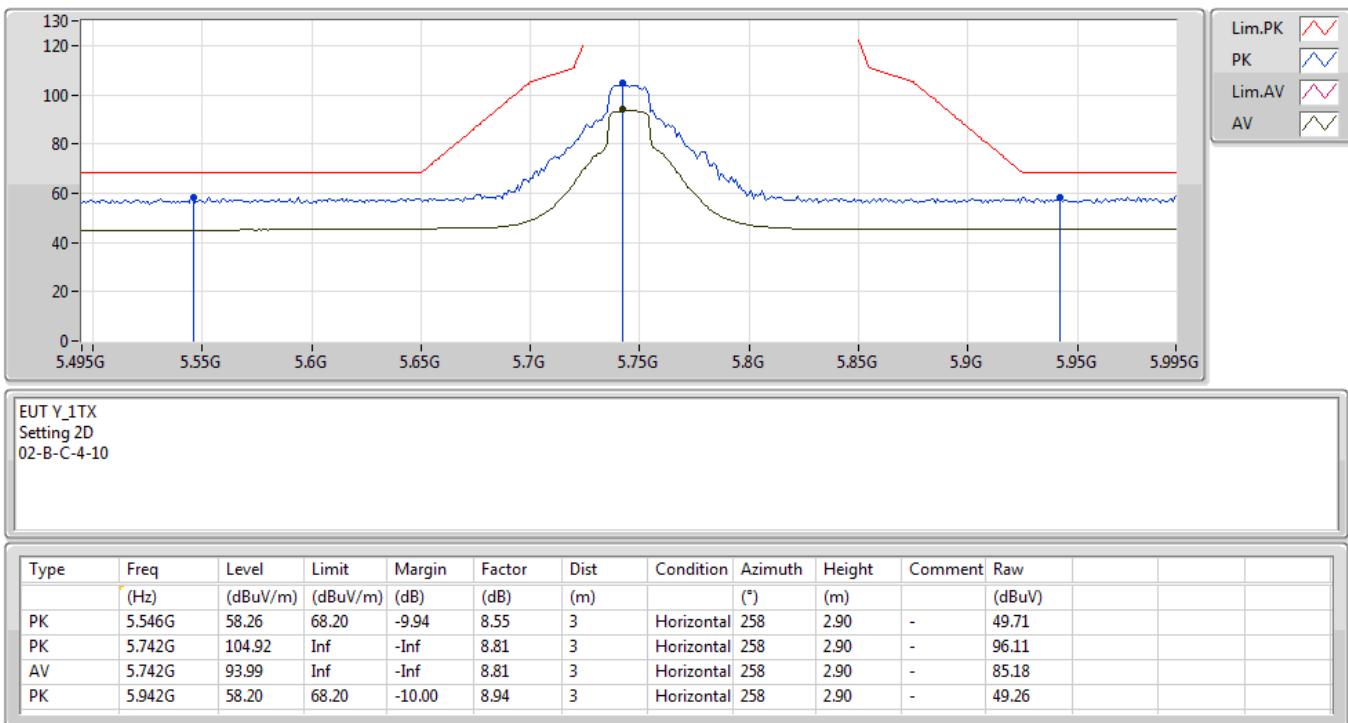
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5745MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

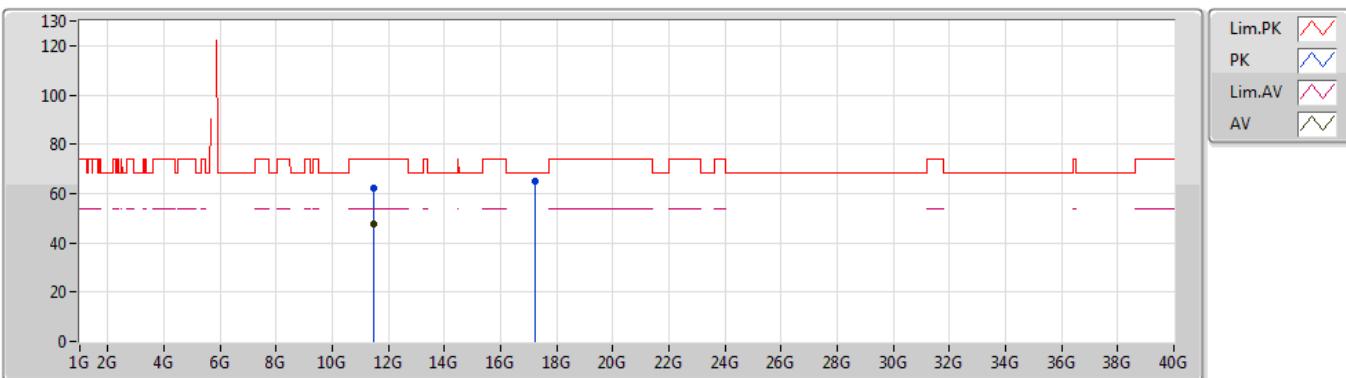
29/11/2019

5745MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

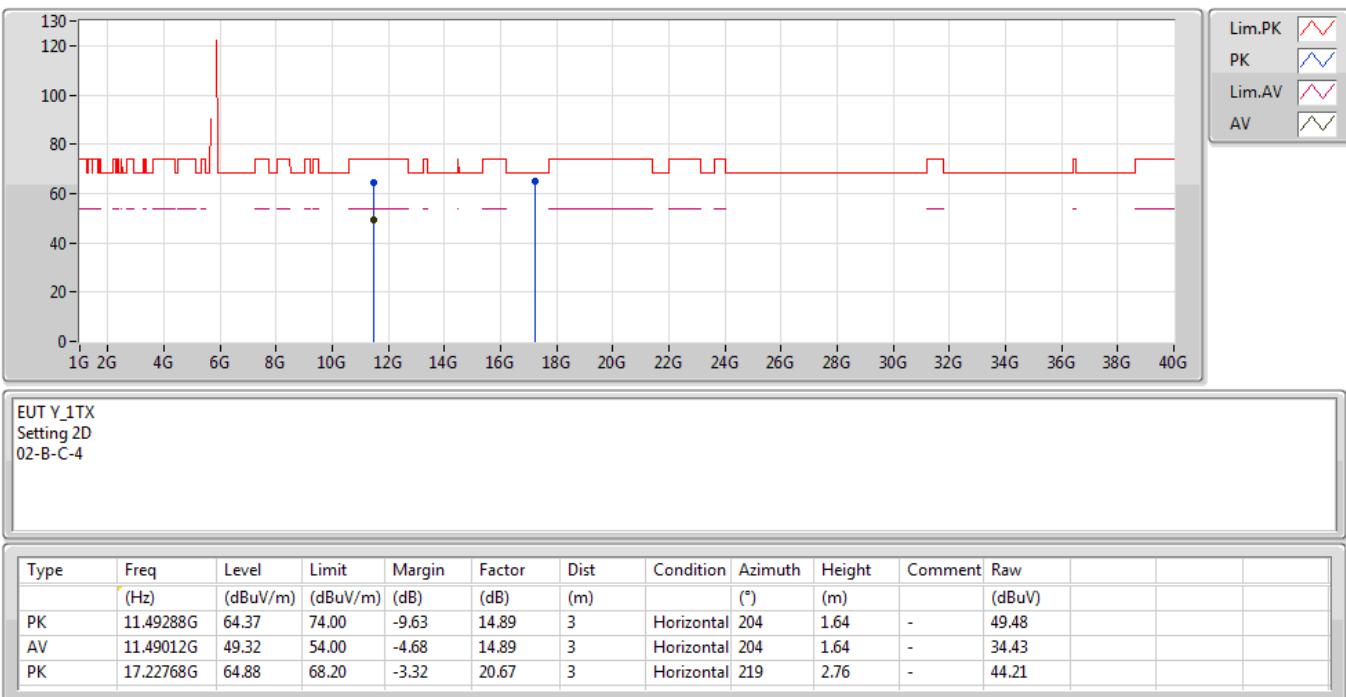
5745MHz_TX


 EUT Y_1TX
 Setting 2D
 02-B-C-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	11.48928G	62.11	74.00	-11.89	14.89	3	Vertical	250	1.57	-	47.22			
AV	11.49024G	47.75	54.00	-6.25	14.89	3	Vertical	250	1.57	-	32.86			
PK	17.2284G	65.20	68.20	-3.00	20.67	3	Vertical	76	2.33	-	44.53			

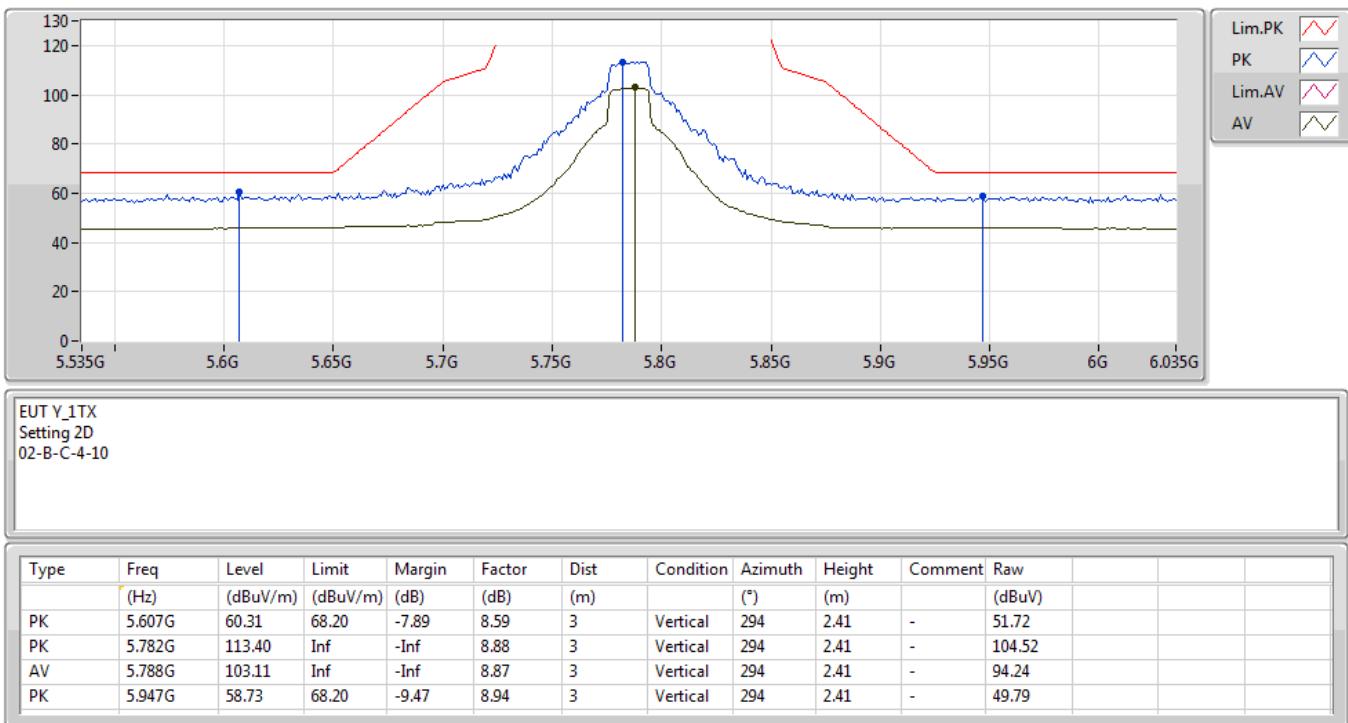
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5745MHz_TX


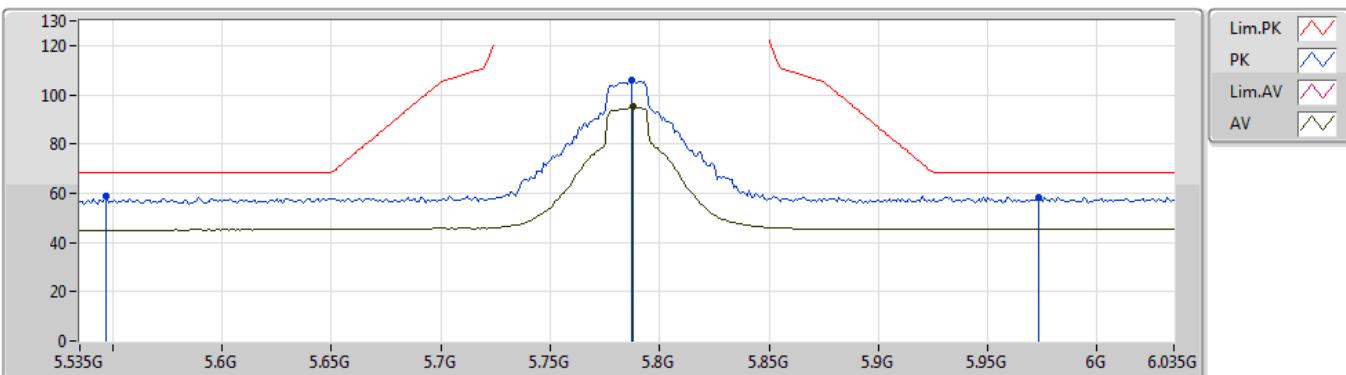
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5785MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

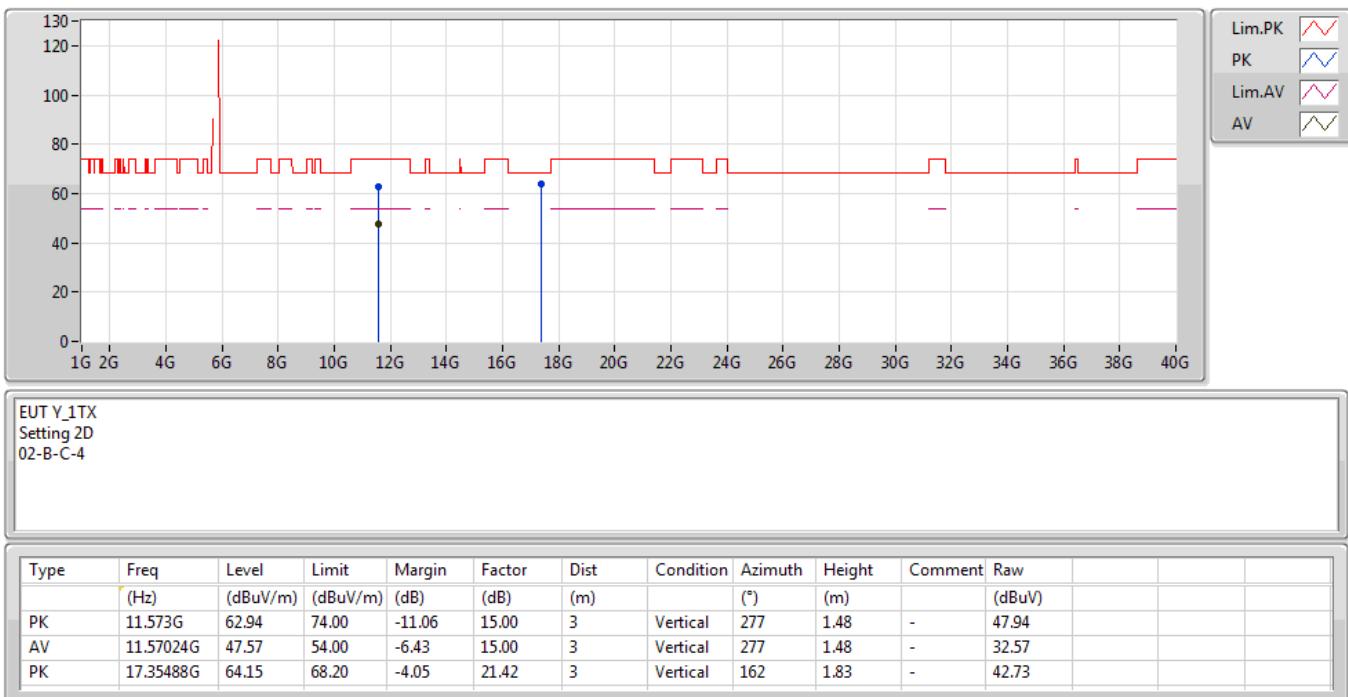
29/11/2019

5785MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.547G	58.97	68.20	-9.23	8.55	3	Horizontal	257	2.98	-	50.42			
PK	5.787G	105.93	Inf	-Inf	8.88	3	Horizontal	257	2.98	-	97.05			
AV	5.788G	95.05	Inf	-Inf	8.87	3	Horizontal	257	2.98	-	86.18			
PK	5.973G	58.52	68.20	-9.68	8.93	3	Horizontal	257	2.98	-	49.59			

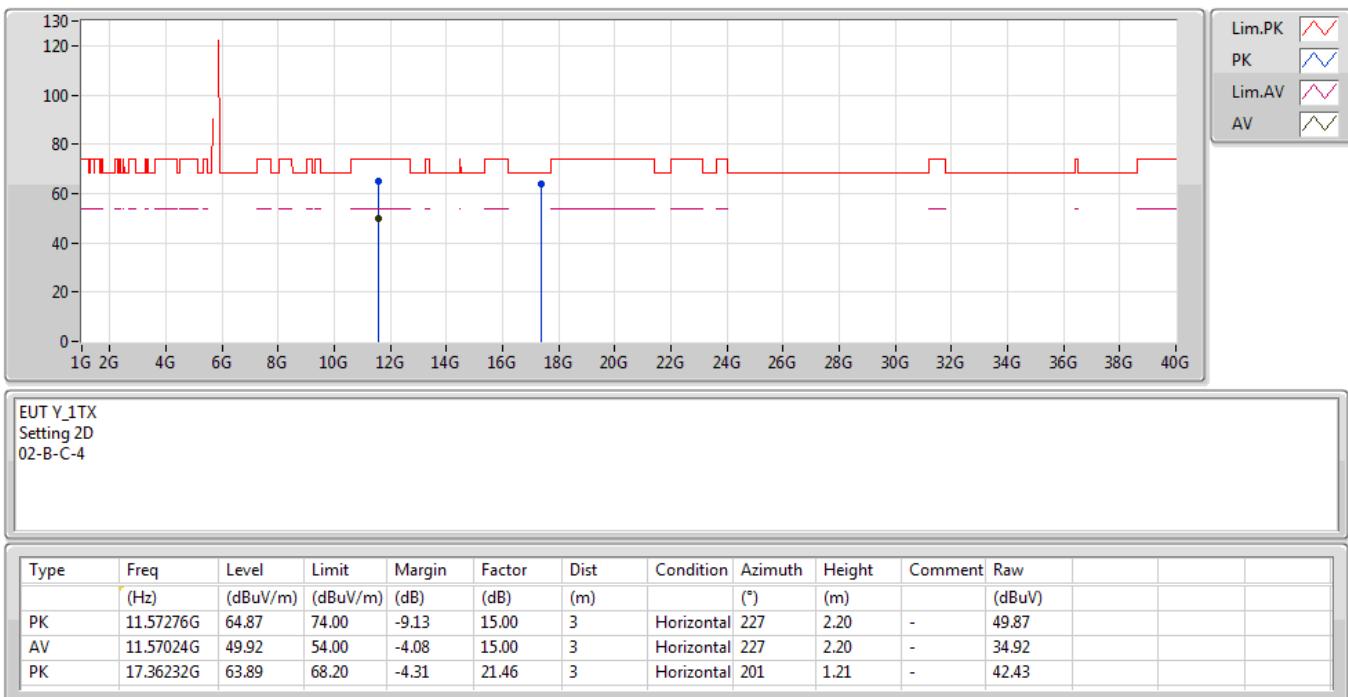
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5785MHz_TX


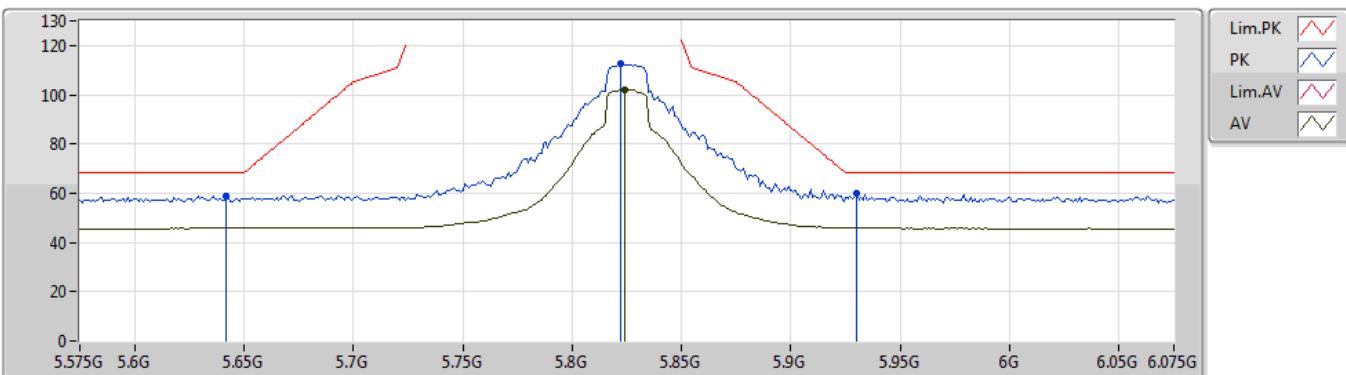
802.11ac VHT20_Nss1,(MCS0)_1TX

29/11/2019

5785MHz_TX


802.11ac VHT20_Nss1,(MCS0)_1TX

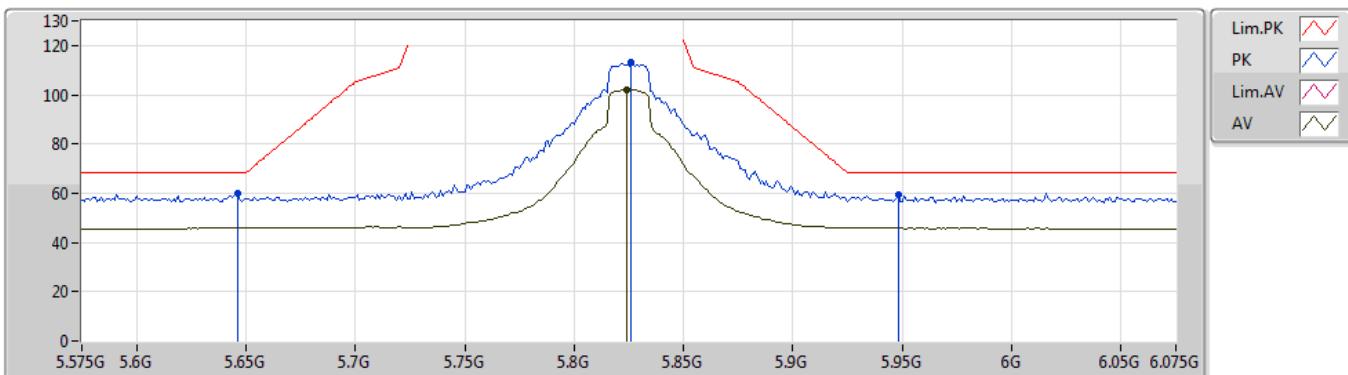
29/11/2019

5825MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.642G	58.83	68.20	-9.37	8.66	3	Vertical	4	1.90	-	50.17			
PK	5.822G	112.77	Inf	-Inf	8.90	3	Vertical	4	1.90	-	103.87			
AV	5.824G	102.19	Inf	-Inf	8.90	3	Vertical	4	1.90	-	93.29			
PK	5.93G	59.92	68.20	-8.28	8.93	3	Vertical	4	1.90	-	50.99			

802.11ac VHT20_Nss1,(MCS0)_1TX

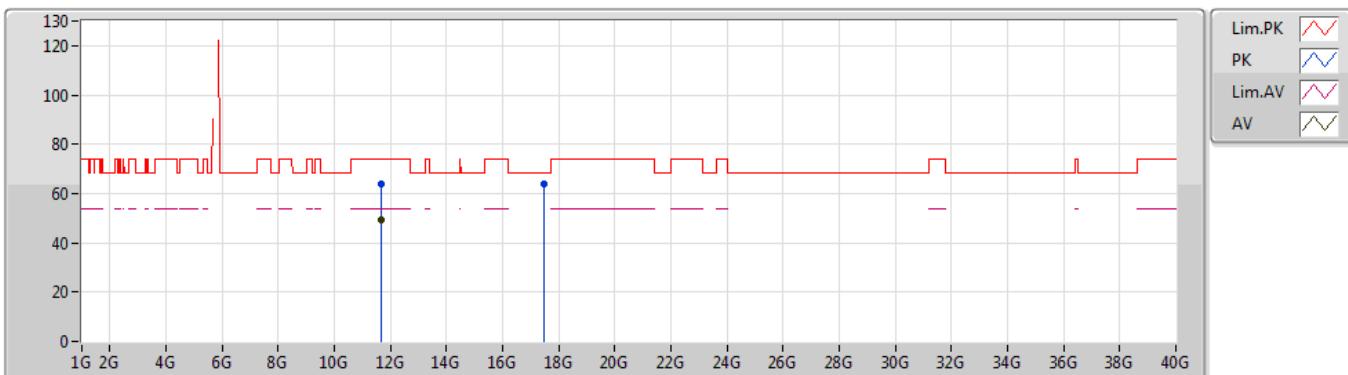
29/11/2019

5825MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.646G	60.05	68.20	-8.15	8.66	3	Horizontal	352	1.91	-	51.39			
PK	5.826G	113.16	Inf	-Inf	8.91	3	Horizontal	352	1.91	-	104.25			
AV	5.824G	102.16	Inf	-Inf	8.90	3	Horizontal	352	1.91	-	93.26			
PK	5.948G	59.43	68.20	-8.77	8.94	3	Horizontal	352	1.91	-	50.49			

802.11ac VHT20_Nss1,(MCS0)_1TX

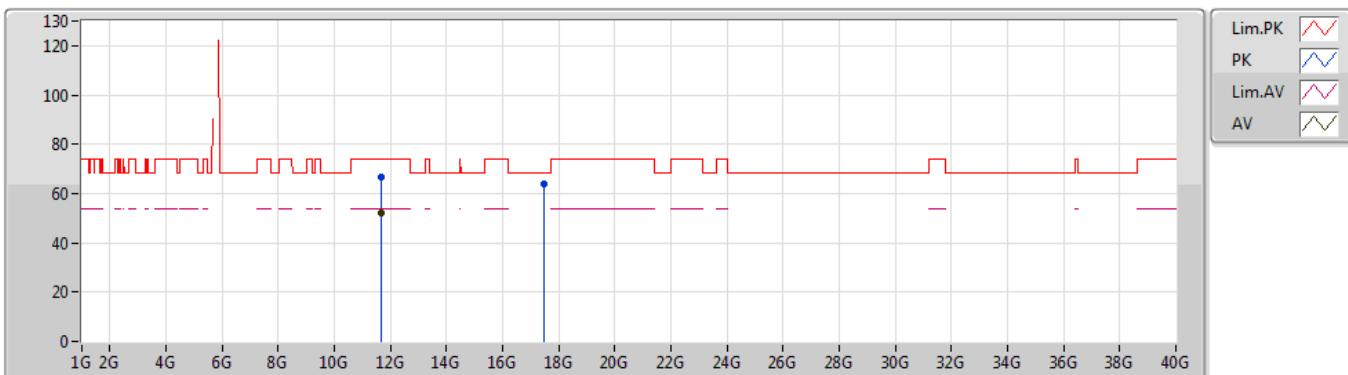
29/11/2019

5825MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	11.65288G	63.76	74.00	-10.24	15.10	3	Vertical	247	2.18	-	48.66			
AV	11.65G	49.29	54.00	-4.71	15.09	3	Vertical	247	2.18	-	34.20			
PK	17.47428G	63.92	68.20	-4.28	22.12	3	Vertical	221	1.46	-	41.80			

802.11ac VHT20_Nss1,(MCS0)_1TX

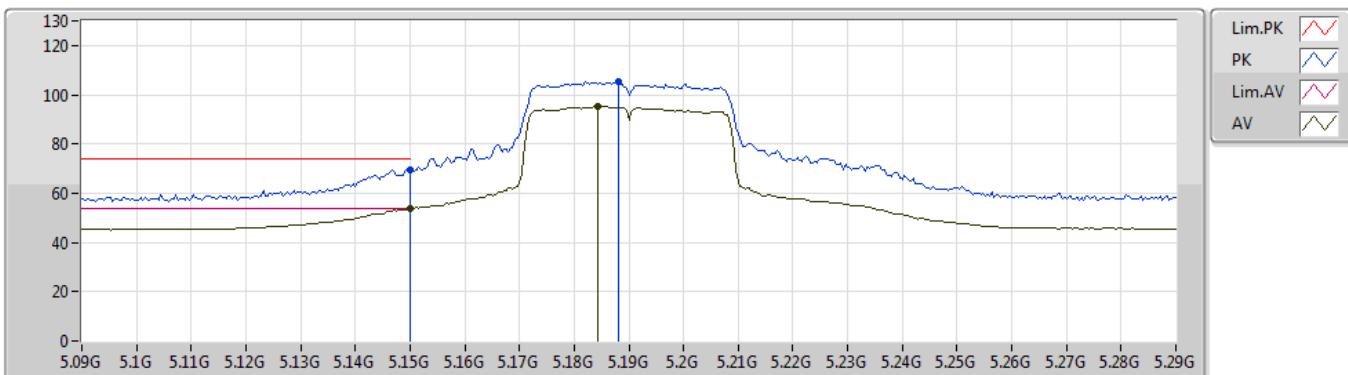
29/11/2019

5825MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	11.64832G	66.56	74.00	-7.44	15.09	3	Horizontal	202	1.70	-	51.47			
AV	11.65G	51.87	54.00	-2.13	15.09	3	Horizontal	202	1.70	-	36.78			
PK	17.47092G	64.04	68.20	-4.16	22.11	3	Horizontal	94	2.89	-	41.93			

802.11ac VHT40_Nss1,(MCS0)_1TX

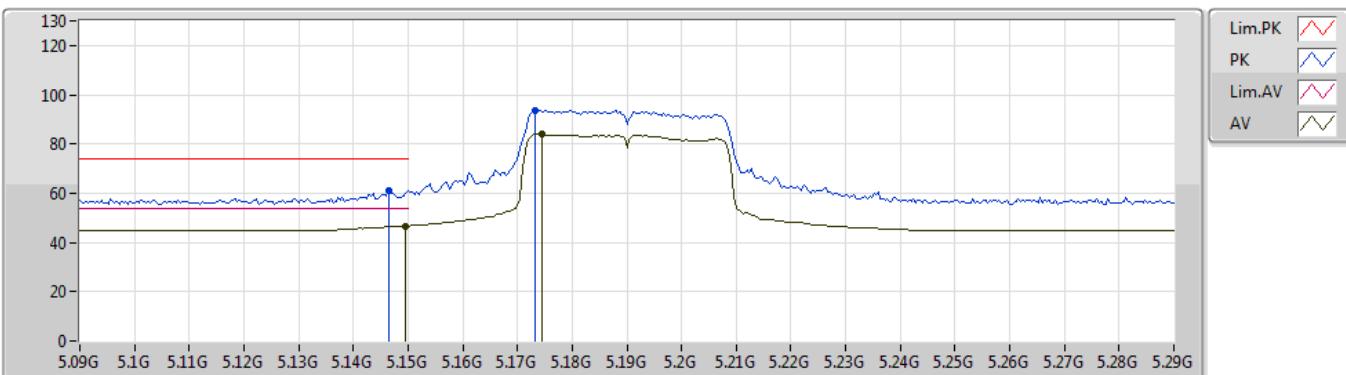
29/11/2019

5190MHz_TX

 EUT Y_1TX
 Setting 1B
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.15G	69.64	74.00	-4.36	7.94	3	Vertical	145	1.89	-	61.70			
AV	5.15G	53.78	54.00	-0.22	7.94	3	Vertical	145	1.89	-	45.84			
PK	5.188G	105.30	Inf	-Inf	8.04	3	Vertical	145	1.89	-	97.26			
AV	5.1844G	95.18	Inf	-Inf	8.03	3	Vertical	145	1.89	-	87.15			

802.11ac VHT40_Nss1,(MCS0)_1TX

29/11/2019

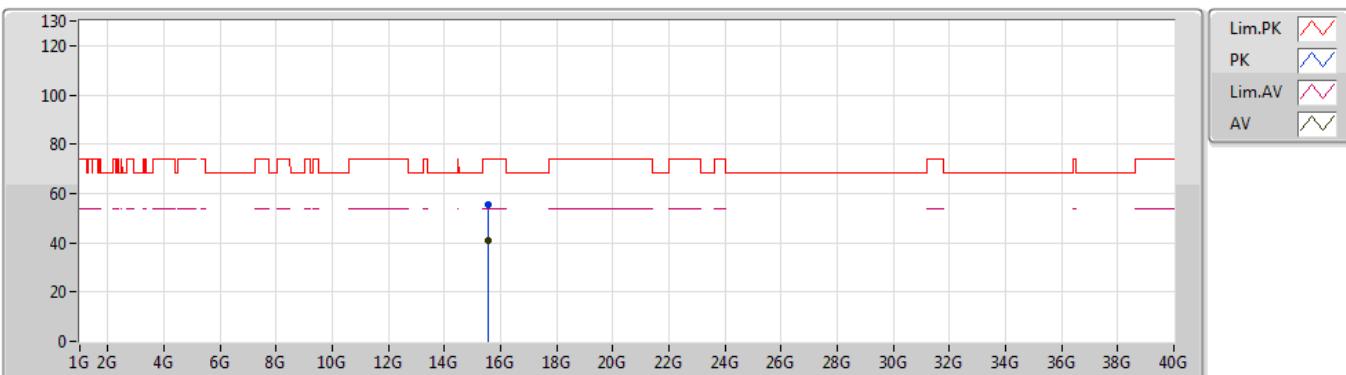
5190MHz_TX

 EUT Y_1TX
 Setting 1B
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1464G	61.32	74.00	-12.68	7.94	3	Horizontal	81	1.47	-	53.38			
AV	5.1496G	46.68	54.00	-7.32	7.94	3	Horizontal	81	1.47	-	38.74			
PK	5.1732G	93.76	Inf	-Inf	8.00	3	Horizontal	81	1.47	-	85.76			
AV	5.1744G	84.02	Inf	-Inf	8.00	3	Horizontal	81	1.47	-	76.02			

802.11ac VHT40_Nss1,(MCS0)_1TX

29/11/2019

5190MHz_TX



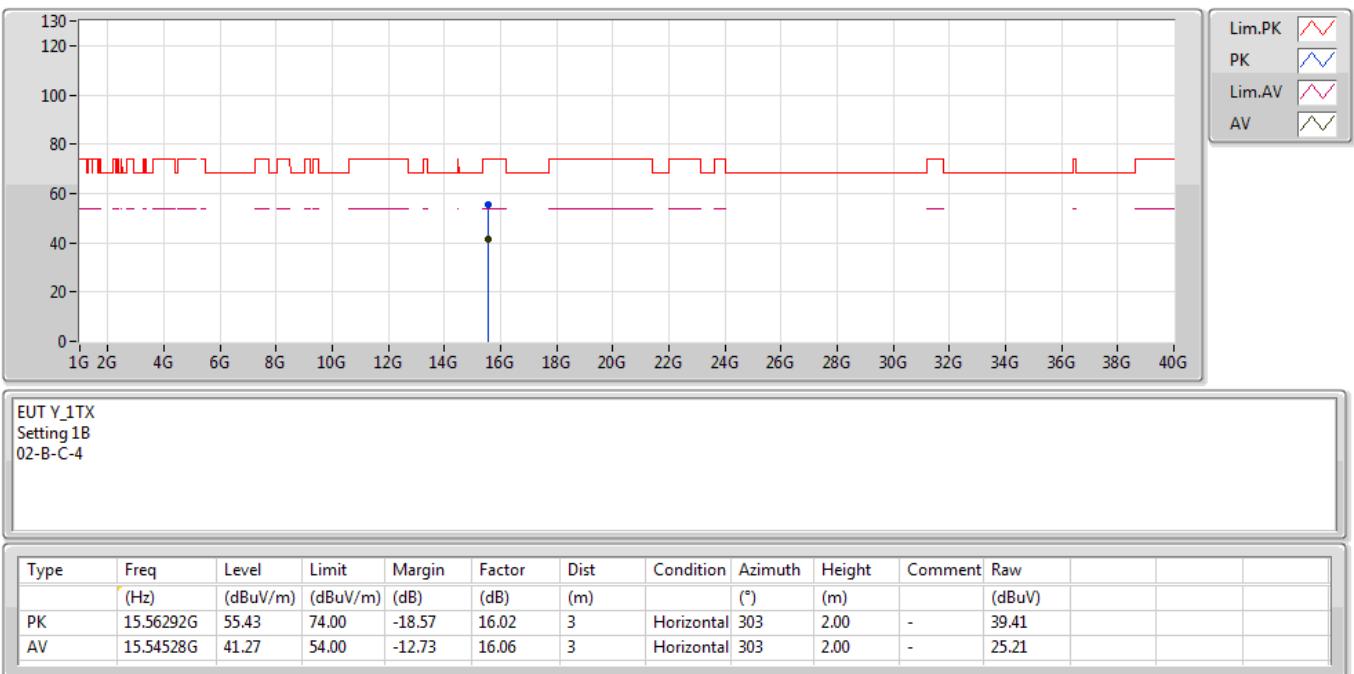
EUT Y_1TX
Setting 1B
02-B-C-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)				
PK	15.56976G	55.36	74.00	-18.64	16.00	3	Vertical	78	2.12	-	39.36				
AV	15.54444G	41.18	54.00	-12.82	16.06	3	Vertical	78	2.12	-	25.12				

802.11ac VHT40_Nss1,(MCS0)_1TX

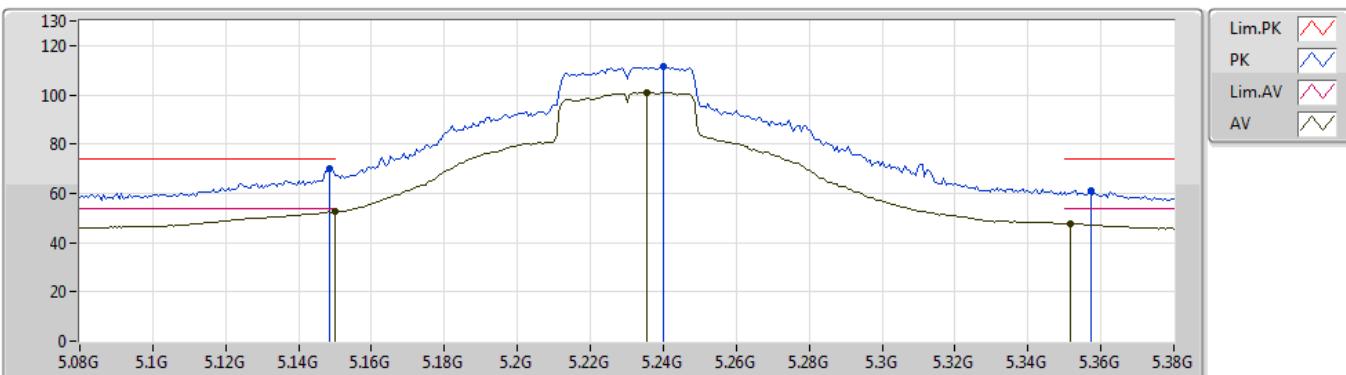
29/11/2019

5190MHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

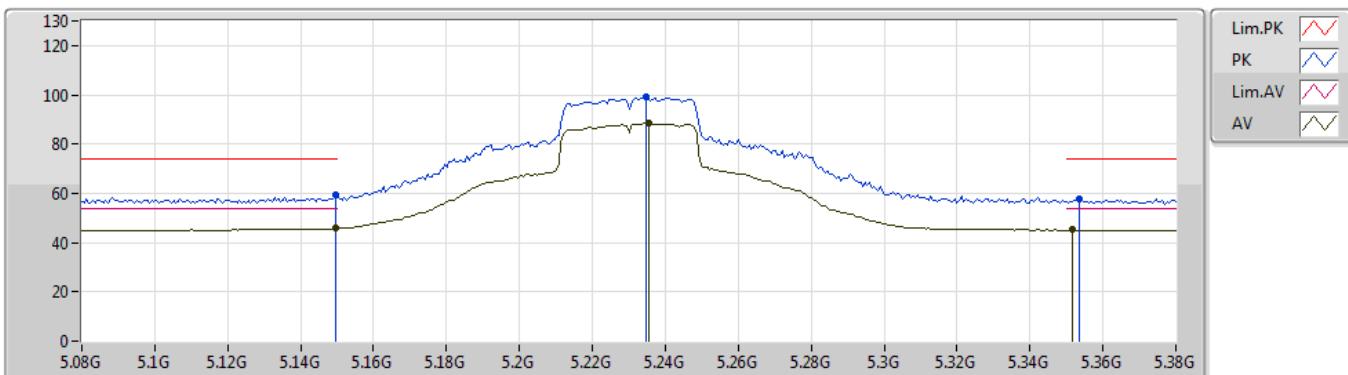
29/11/2019

5230MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1484G	69.97	74.00	-4.03	7.94	3	Vertical	143	1.87	-	62.03			
AV	5.15G	52.60	54.00	-1.40	7.94	3	Vertical	143	1.87	-	44.66			
PK	5.2402G	111.42	Inf	-Inf	8.12	3	Vertical	143	1.87	-	103.30			
AV	5.2354G	100.97	Inf	-Inf	8.11	3	Vertical	143	1.87	-	92.86			
PK	5.3572G	60.98	74.00	-13.02	8.28	3	Vertical	143	1.87	-	52.70			
AV	5.3518G	47.59	54.00	-6.41	8.28	3	Vertical	143	1.87	-	39.31			

802.11ac VHT40_Nss1,(MCS0)_1TX

29/11/2019

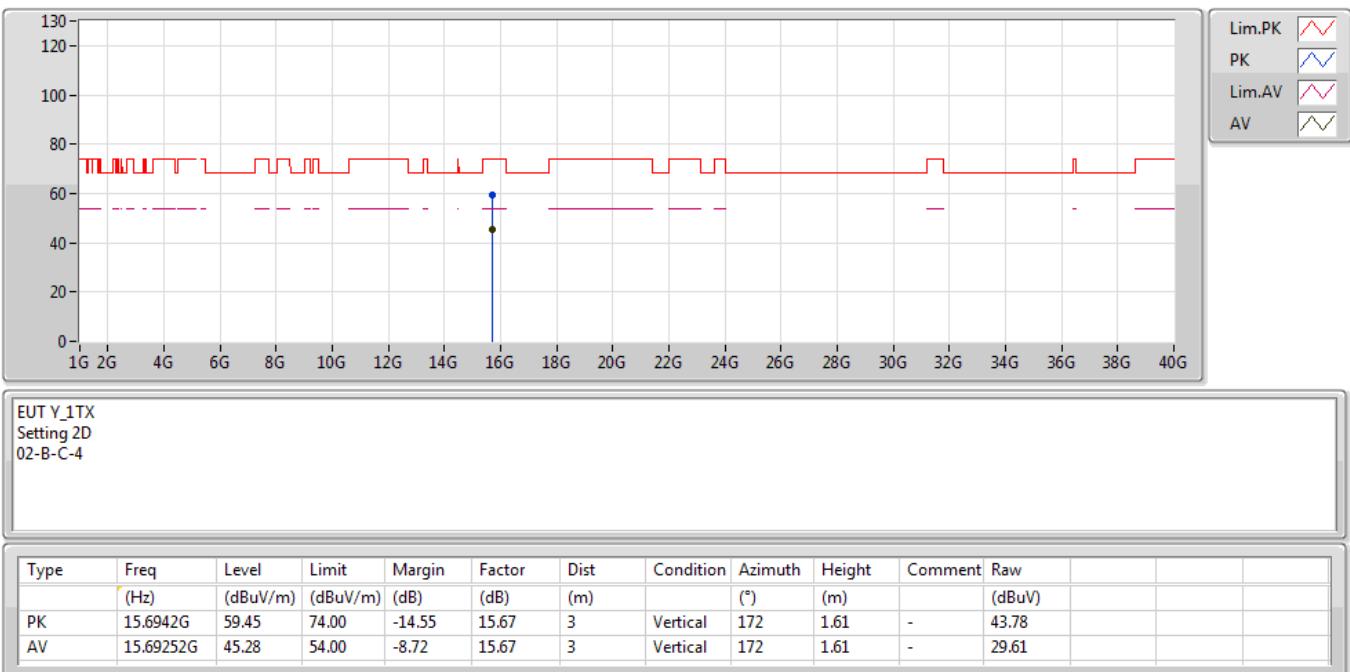
5230MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.1496G	59.38	74.00	-14.62	7.94	3	Horizontal	80	1.45	-	51.44			
AV	5.1496G	45.71	54.00	-8.29	7.94	3	Horizontal	80	1.45	-	37.77			
PK	5.2348G	99.02	Inf	-Inf	8.11	3	Horizontal	80	1.45	-	90.91			
AV	5.2354G	88.52	Inf	-Inf	8.11	3	Horizontal	80	1.45	-	80.41			
PK	5.3536G	57.76	74.00	-16.24	8.28	3	Horizontal	80	1.45	-	49.48			
AV	5.3518G	45.13	54.00	-8.87	8.28	3	Horizontal	80	1.45	-	36.85			

802.11ac VHT40_Nss1,(MCS0)_1TX

29/11/2019

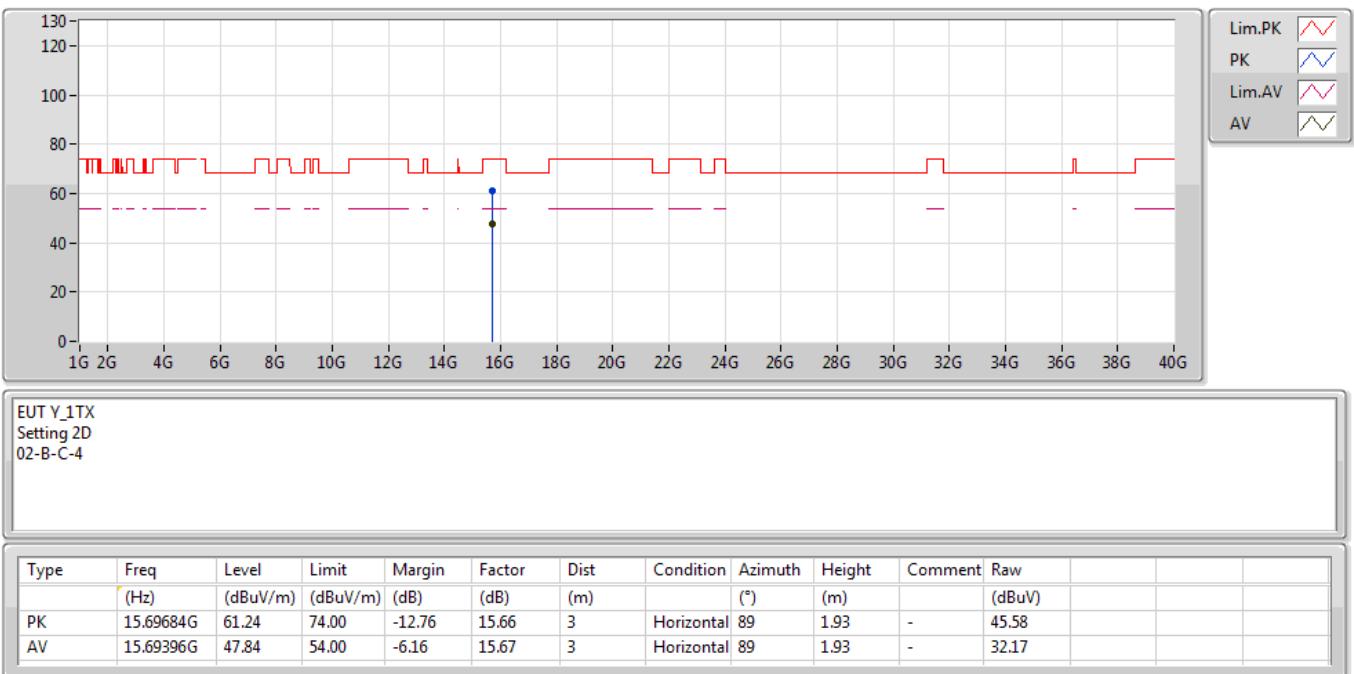
5230MHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

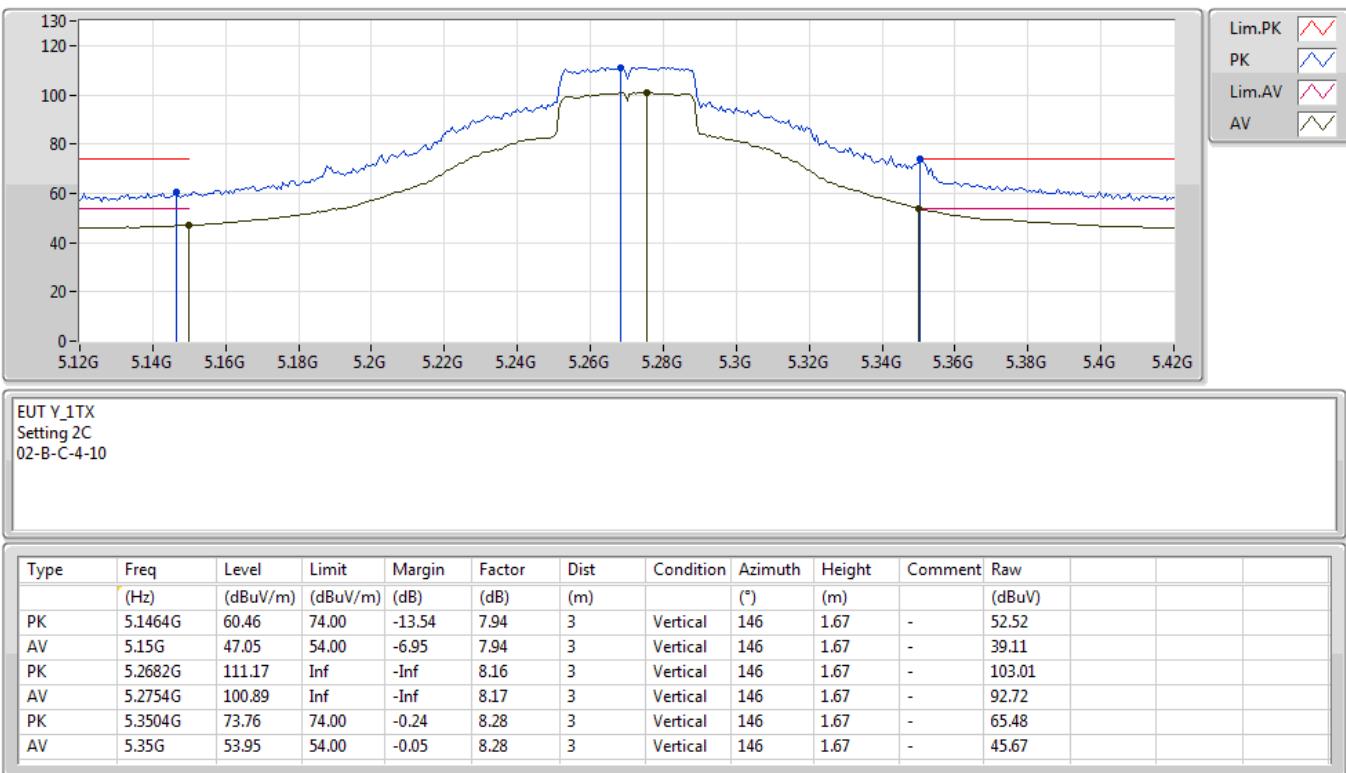
29/11/2019

5230MHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5270MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

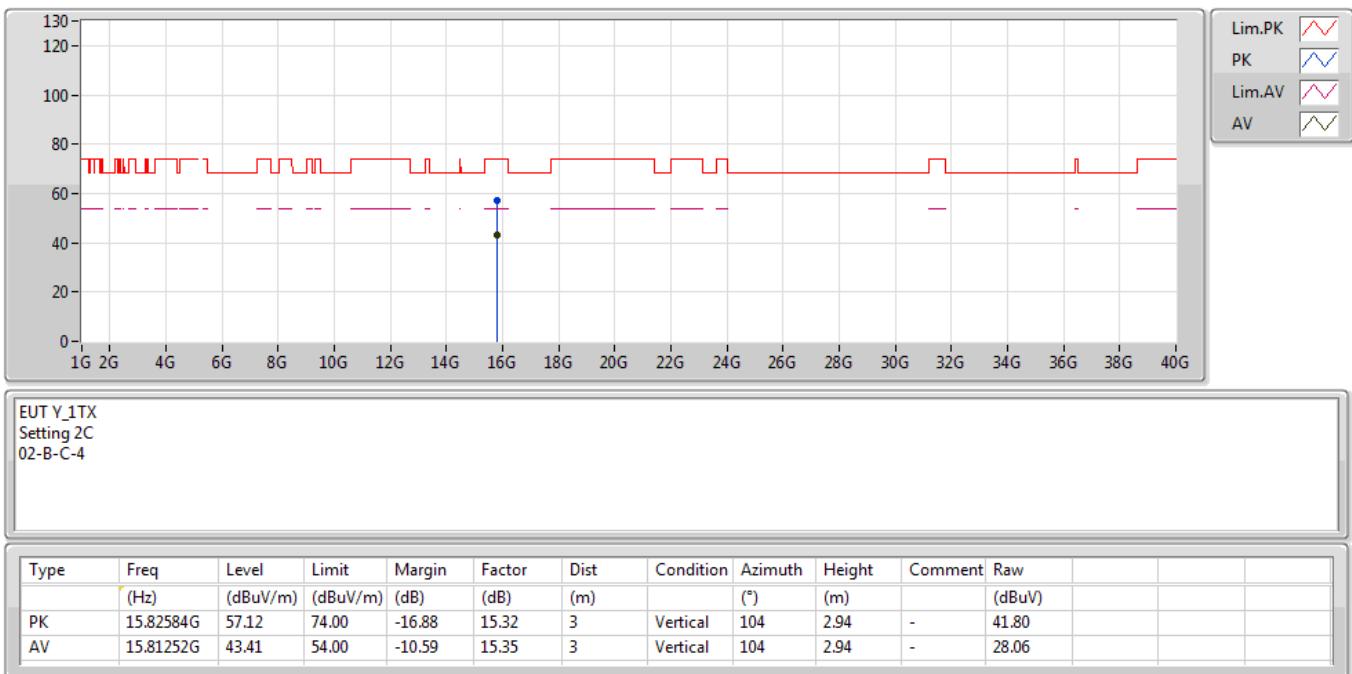
30/11/2019

5270MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

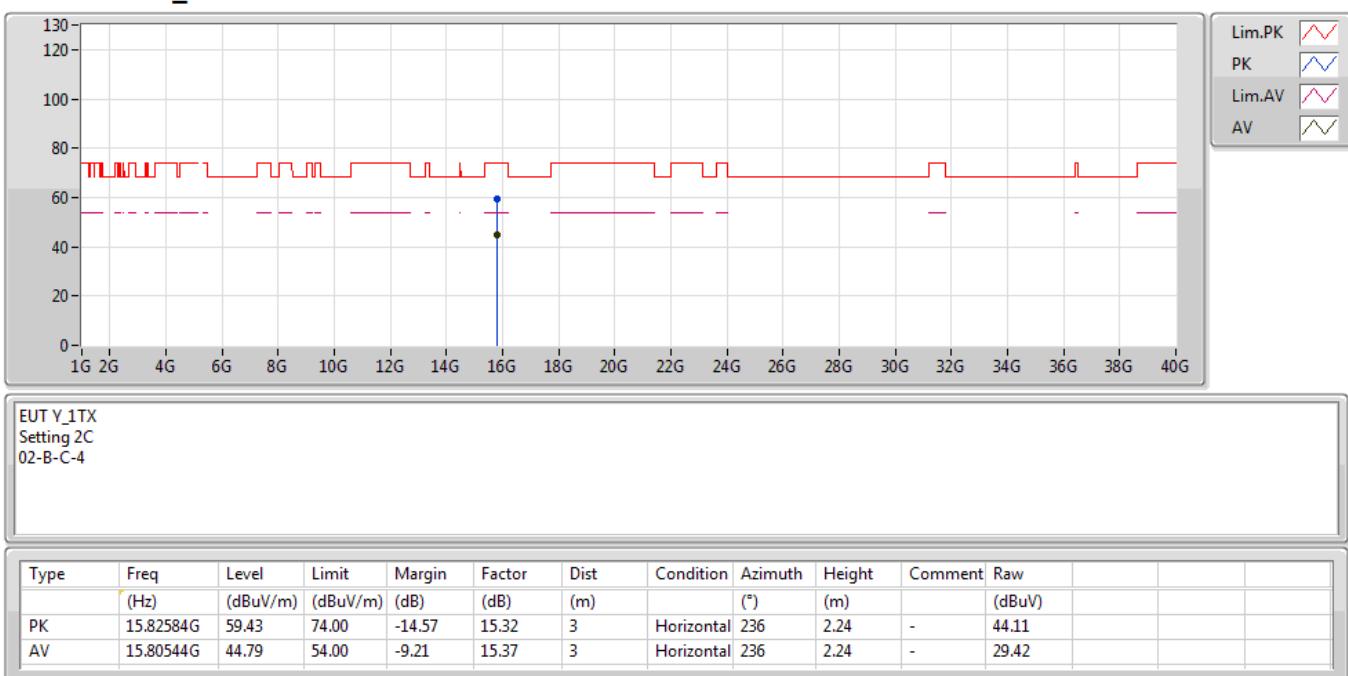
30/11/2019

5270MHz_TX



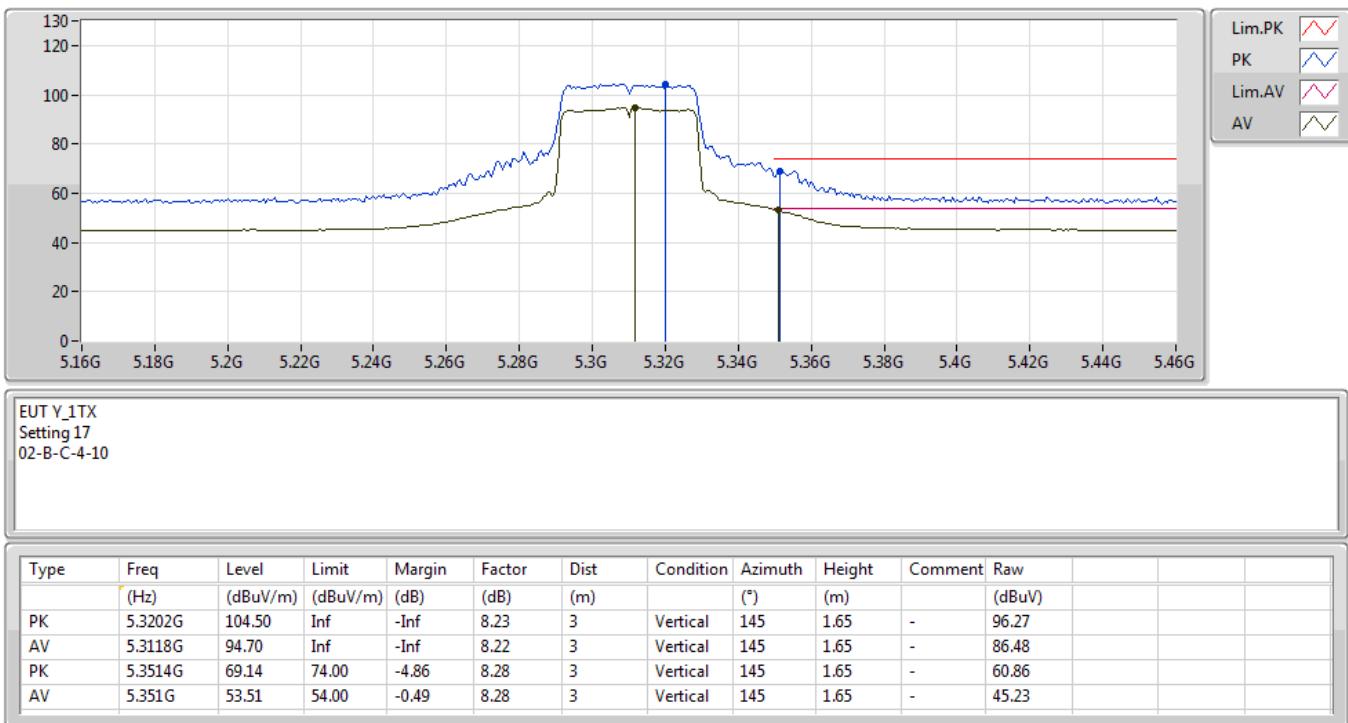
802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5270MHz_TX


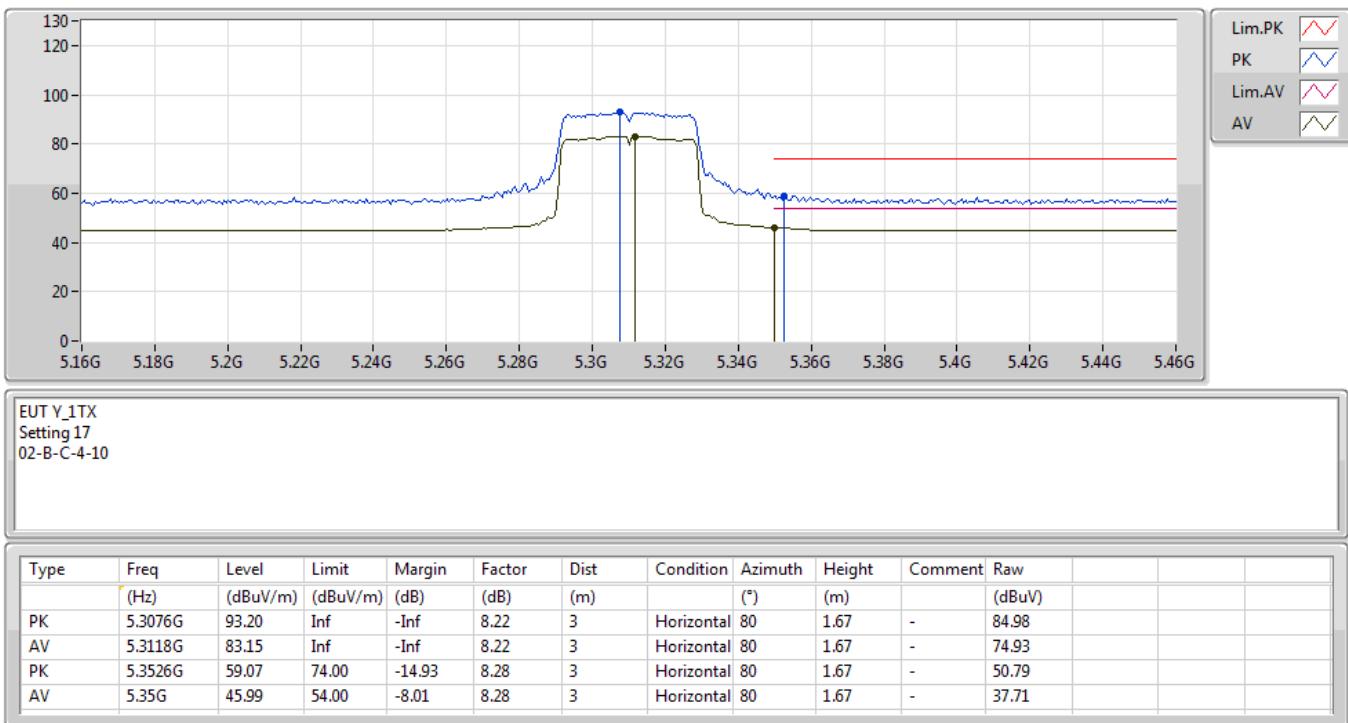
802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5310MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

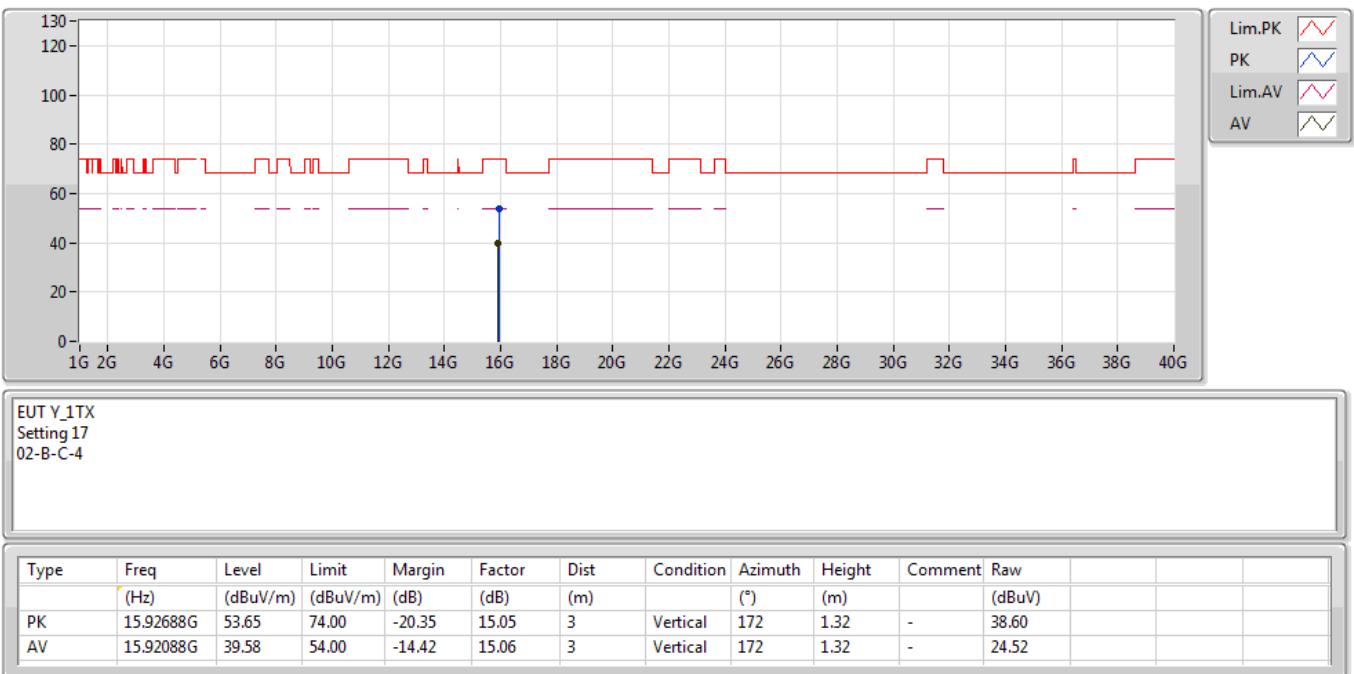
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5310MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

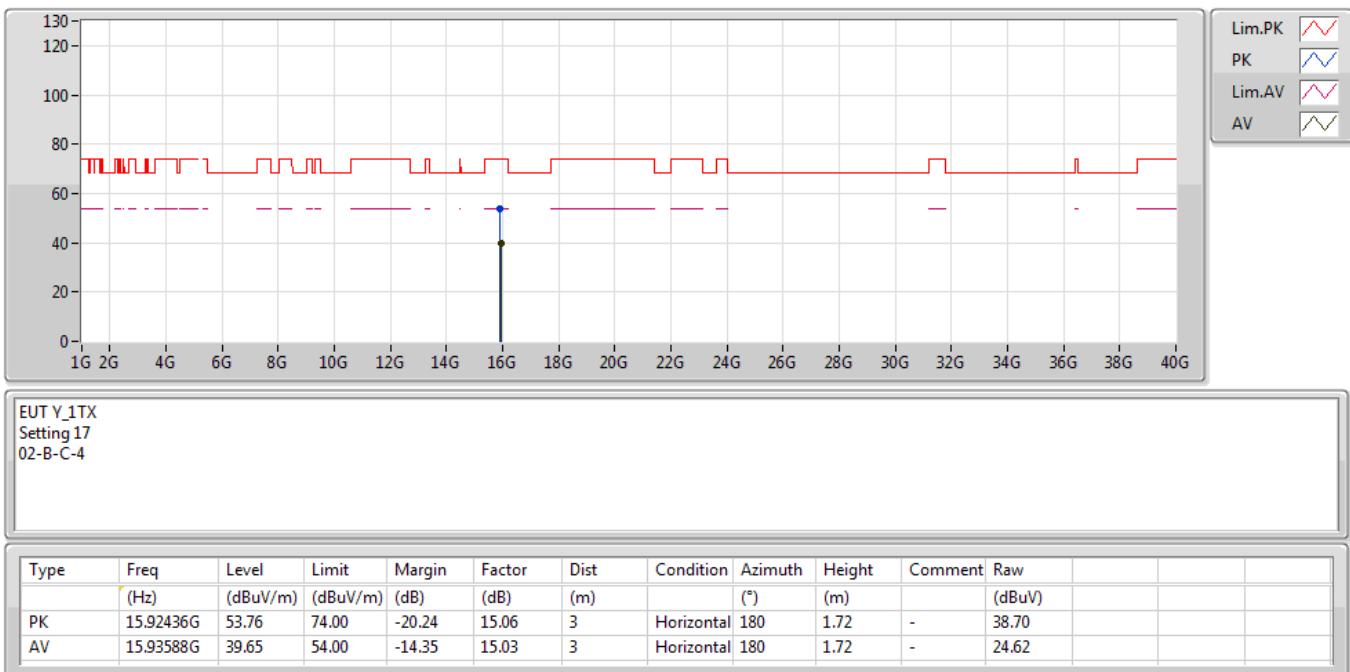
5310MHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

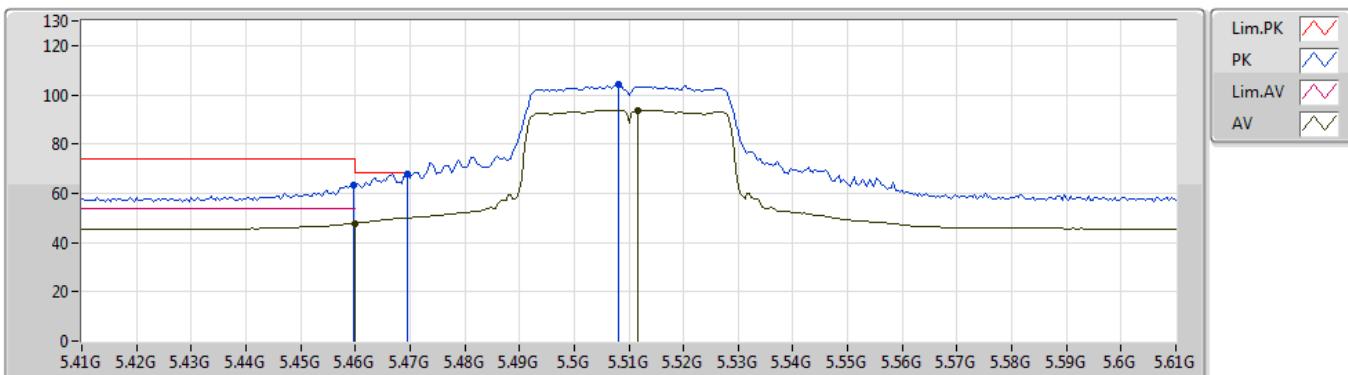
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5310MHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

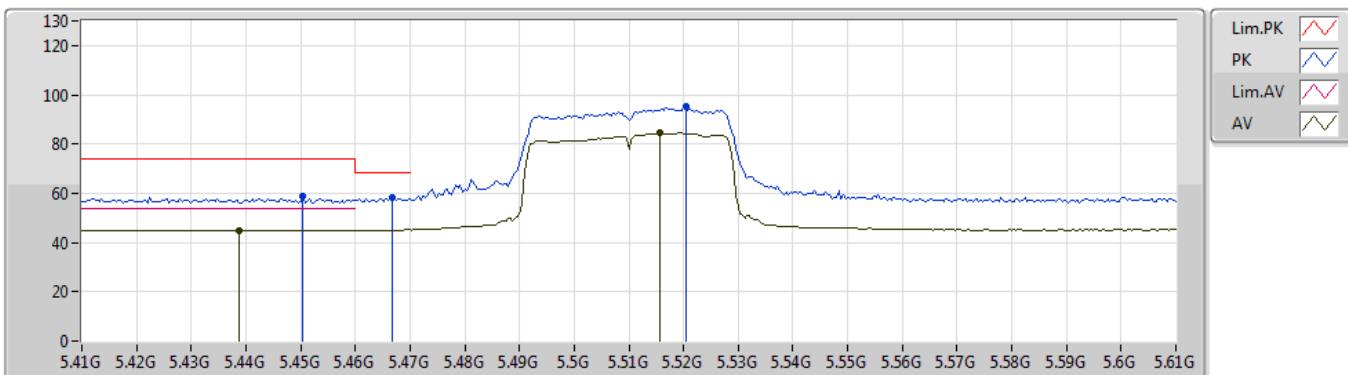
30/11/2019

5510MHz_TX

 EUT Y_1TX
 Setting 11
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4596G	63.29	74.00	-10.71	8.45	3	Vertical	15	1.83	-	54.84			
AV	5.46G	47.86	54.00	-6.14	8.45	3	Vertical	15	1.83	-	39.41			
PK	5.4696G	67.90	68.20	-0.30	8.46	3	Vertical	15	1.83	-	59.44			
PK	5.508G	103.98	Inf	-Inf	8.52	3	Vertical	15	1.83	-	95.46			
AV	5.5116G	93.76	Inf	-Inf	8.53	3	Vertical	15	1.83	-	85.23			

802.11ac VHT40_Nss1,(MCS0)_1TX

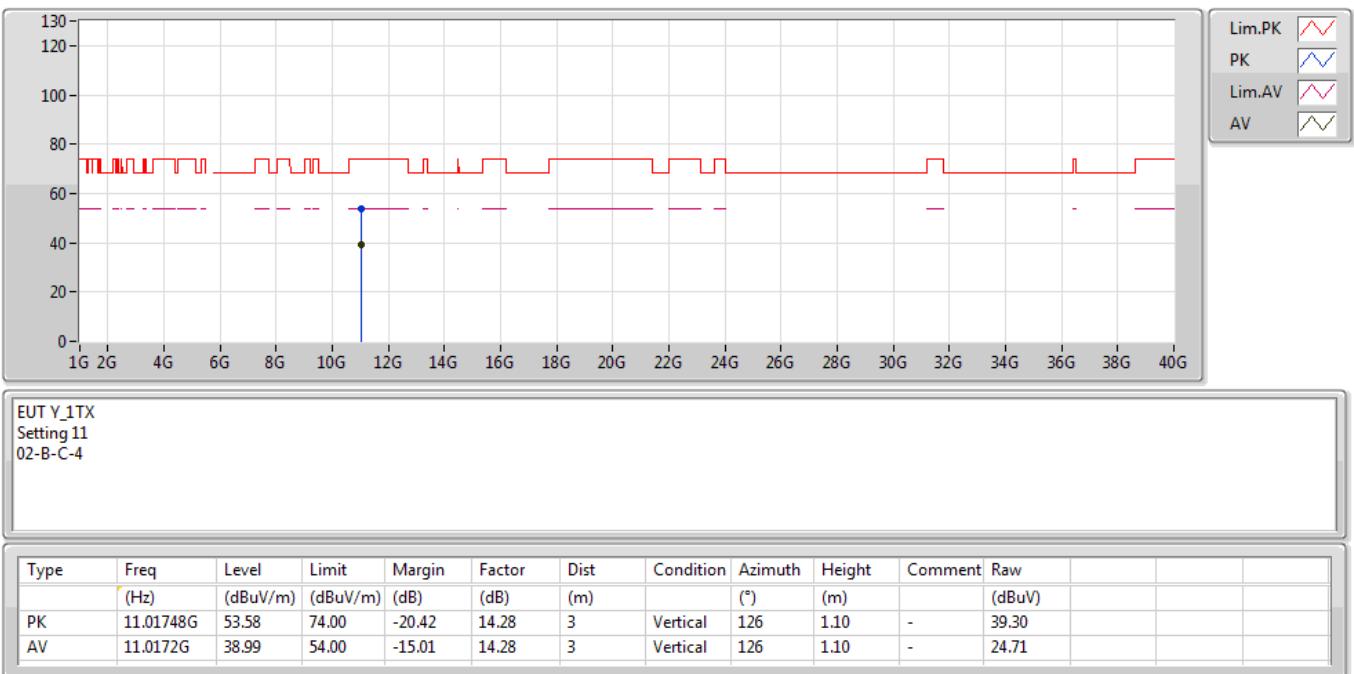
30/11/2019

5510MHz_TX

 EUT Y_1TX
 Setting 11
 02-B-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.4504G	58.56	74.00	-15.44	8.44	3	Horizontal	253	2.98	-	50.12			
AV	5.4388G	44.92	54.00	-9.08	8.41	3	Horizontal	253	2.98	-	36.51			
PK	5.4668G	58.53	68.20	-9.67	8.46	3	Horizontal	253	2.98	-	50.07			
PK	5.5204G	95.19	Inf	-Inf	8.53	3	Horizontal	253	2.98	-	86.66			
AV	5.5156G	84.41	Inf	-Inf	8.53	3	Horizontal	253	2.98	-	75.88			

802.11ac VHT40_Nss1,(MCS0)_1TX

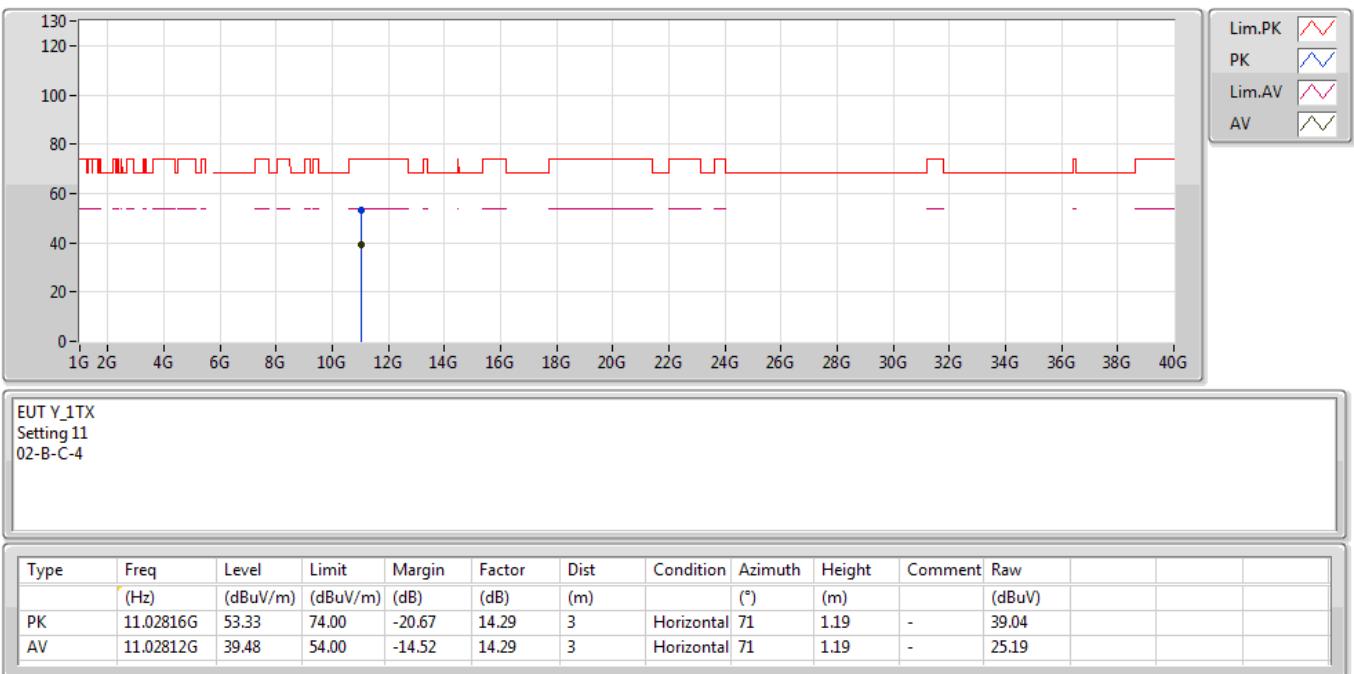
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5510MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

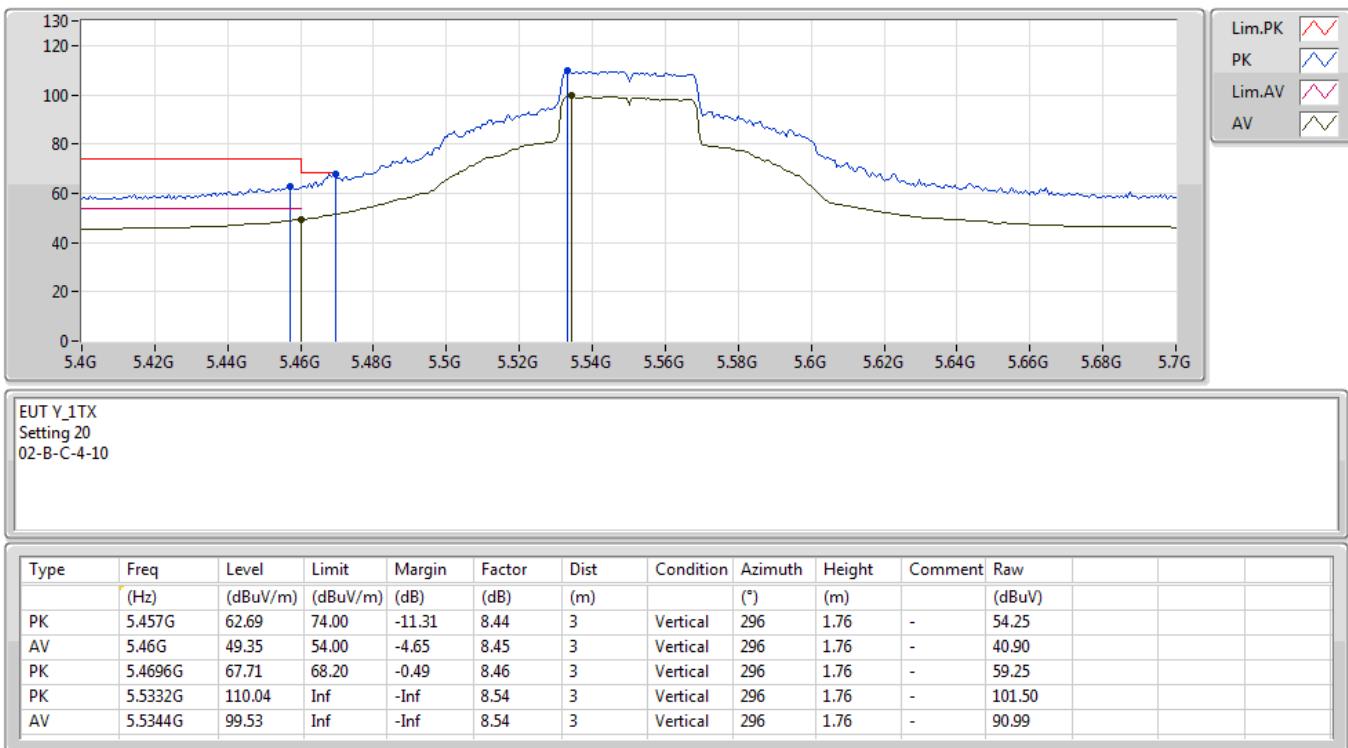
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5510MHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5550MHz_TX


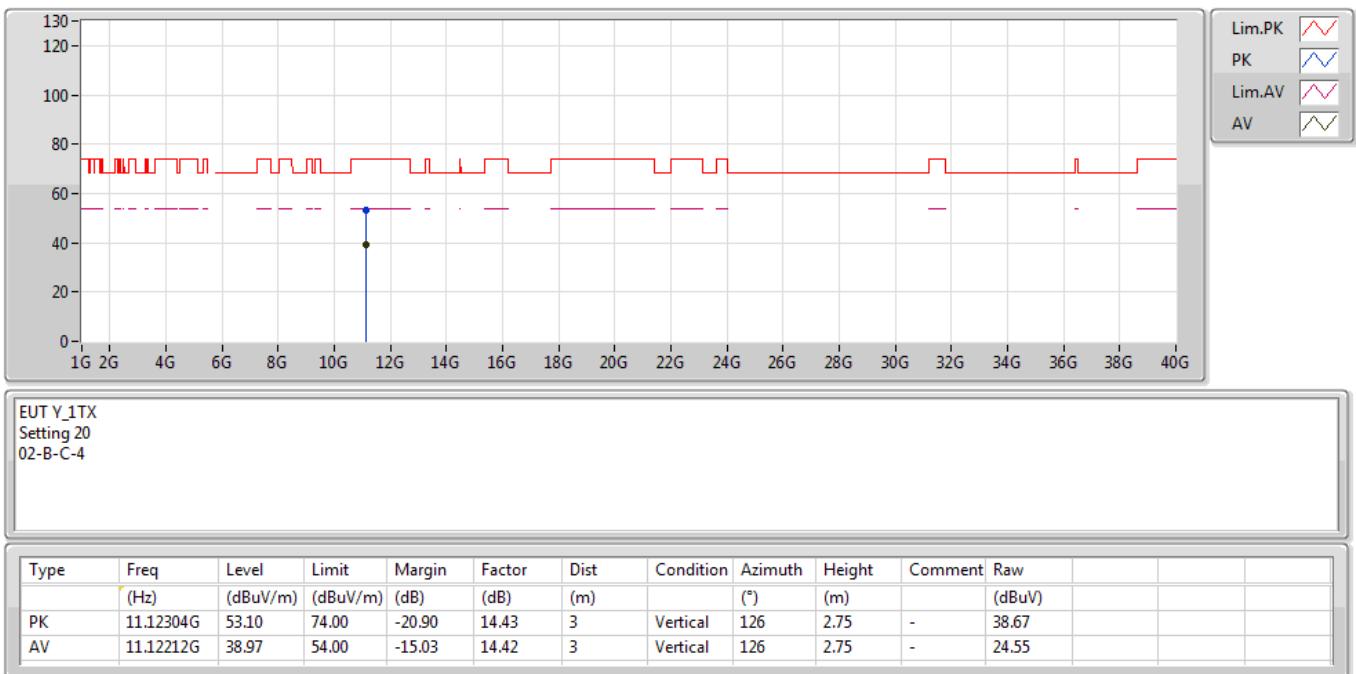
802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5550MHz_TX

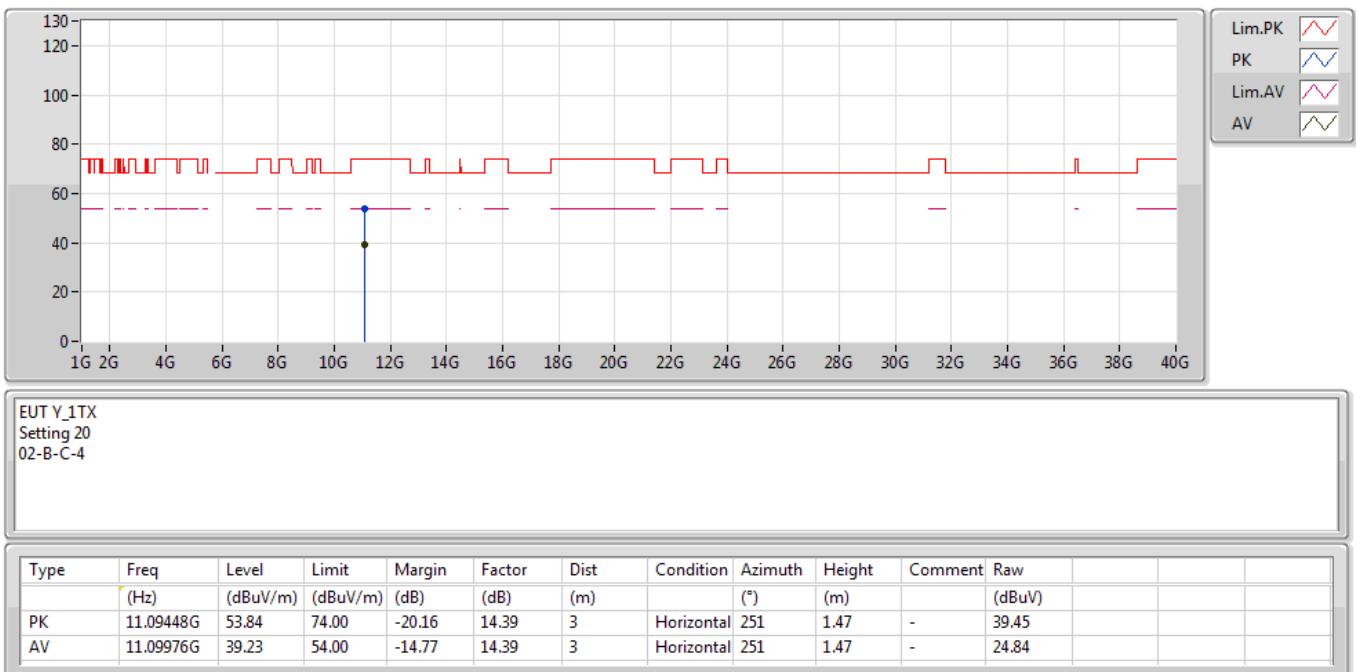

802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5550MHz_TX


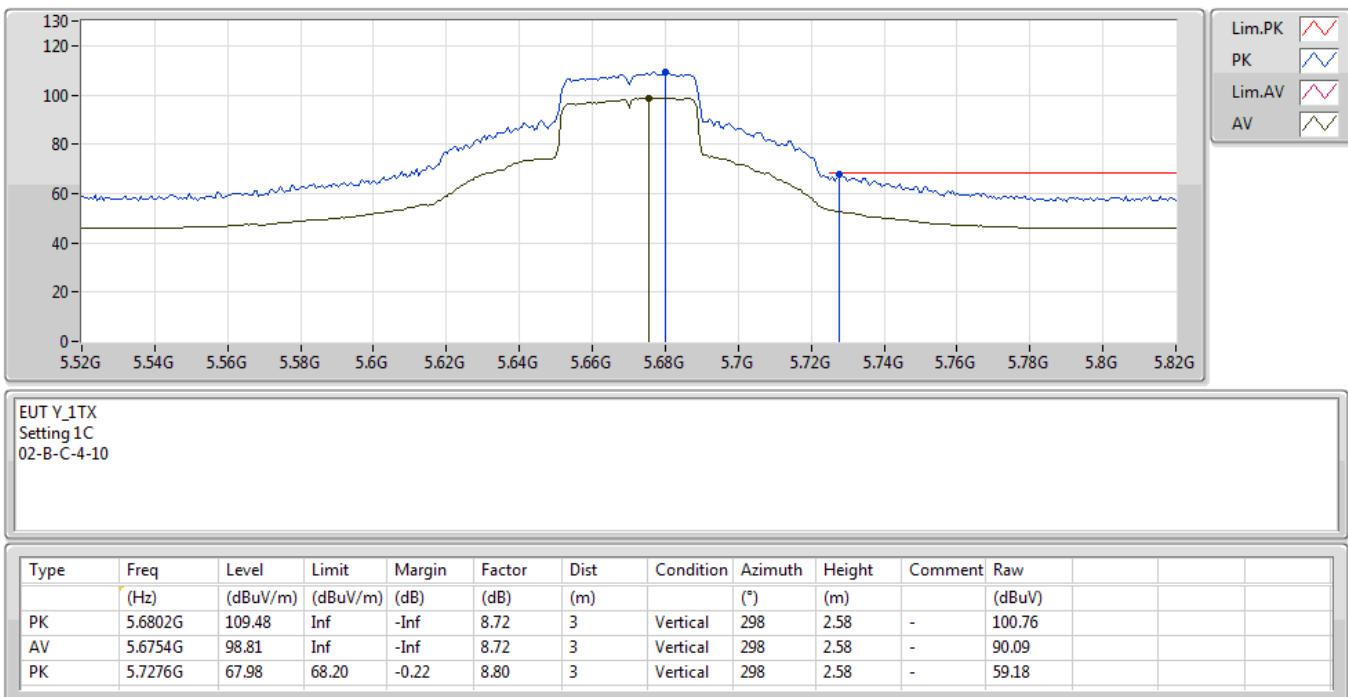
802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5550MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5670MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

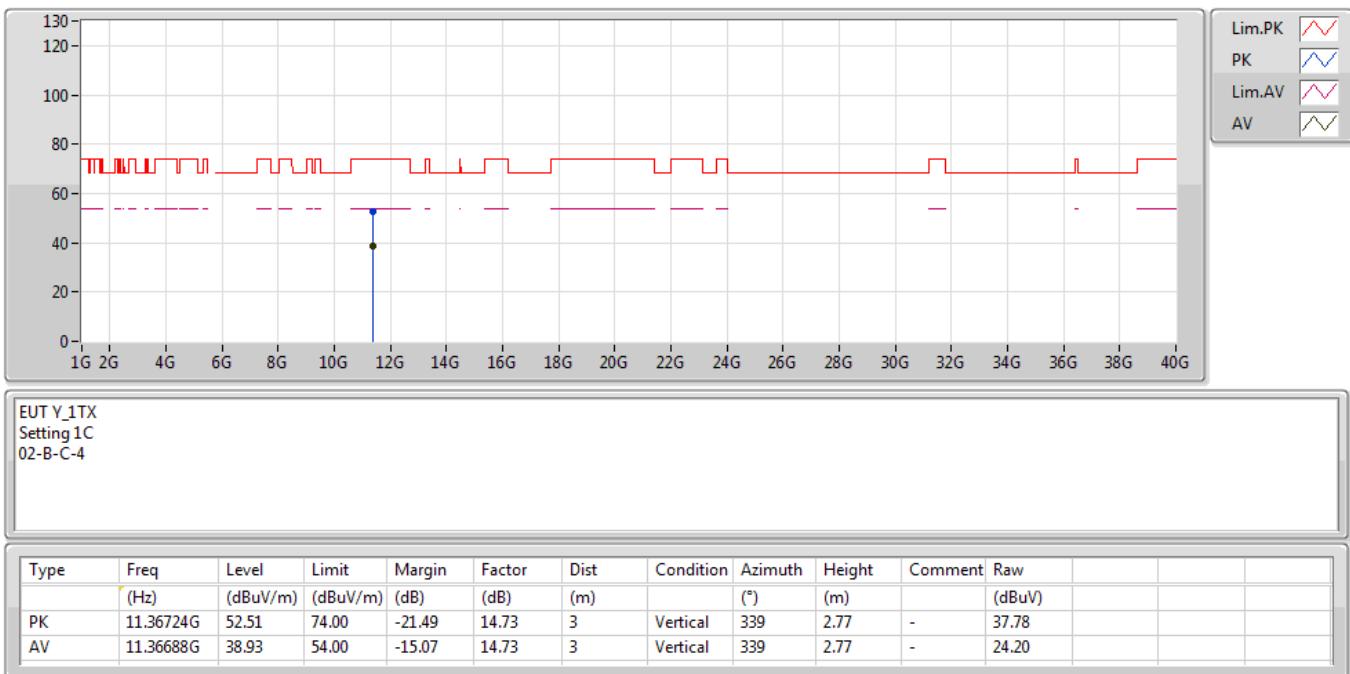
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5670MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

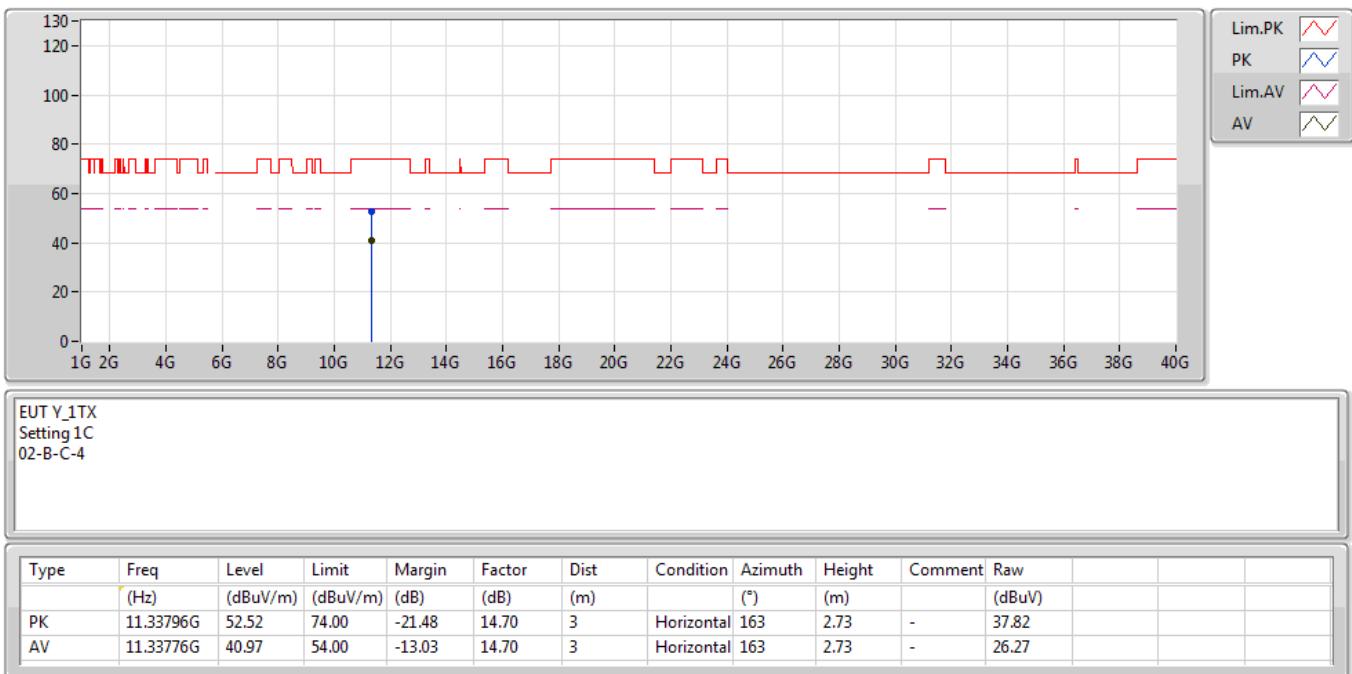
5670MHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

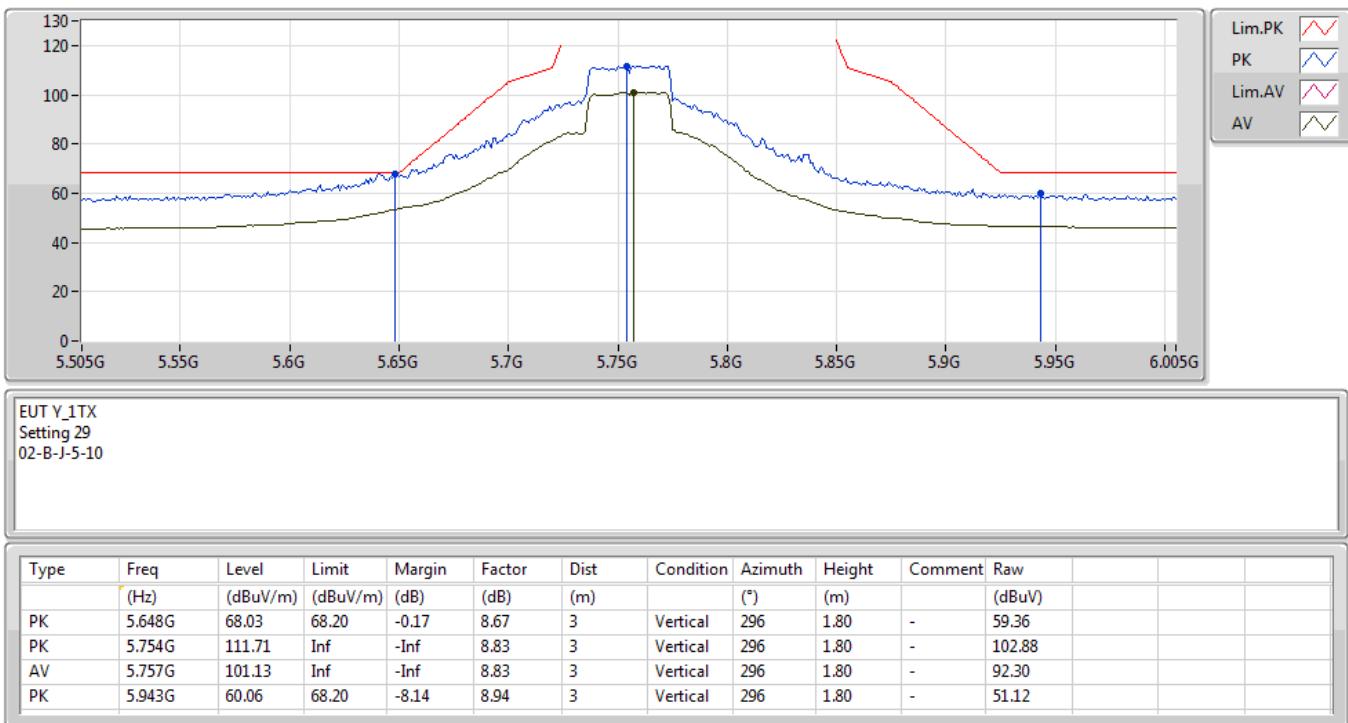
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5670MHz_TX



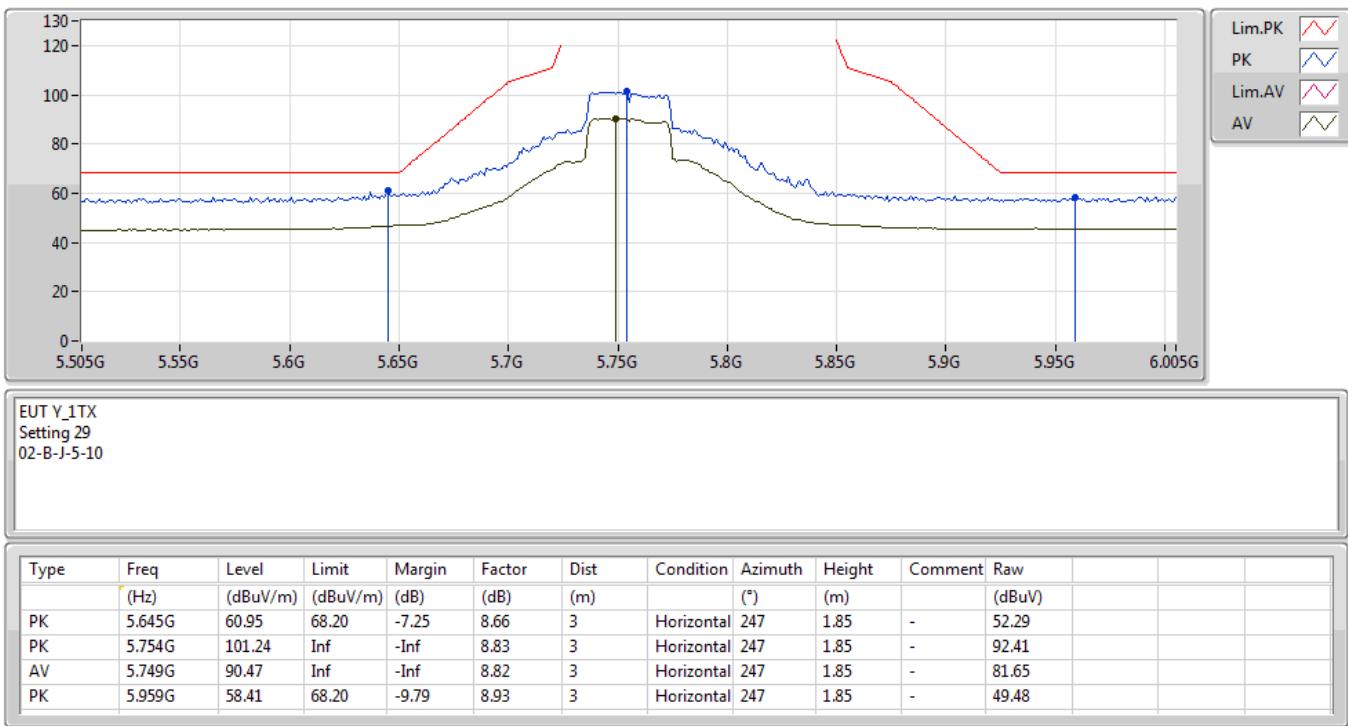
802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5755MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

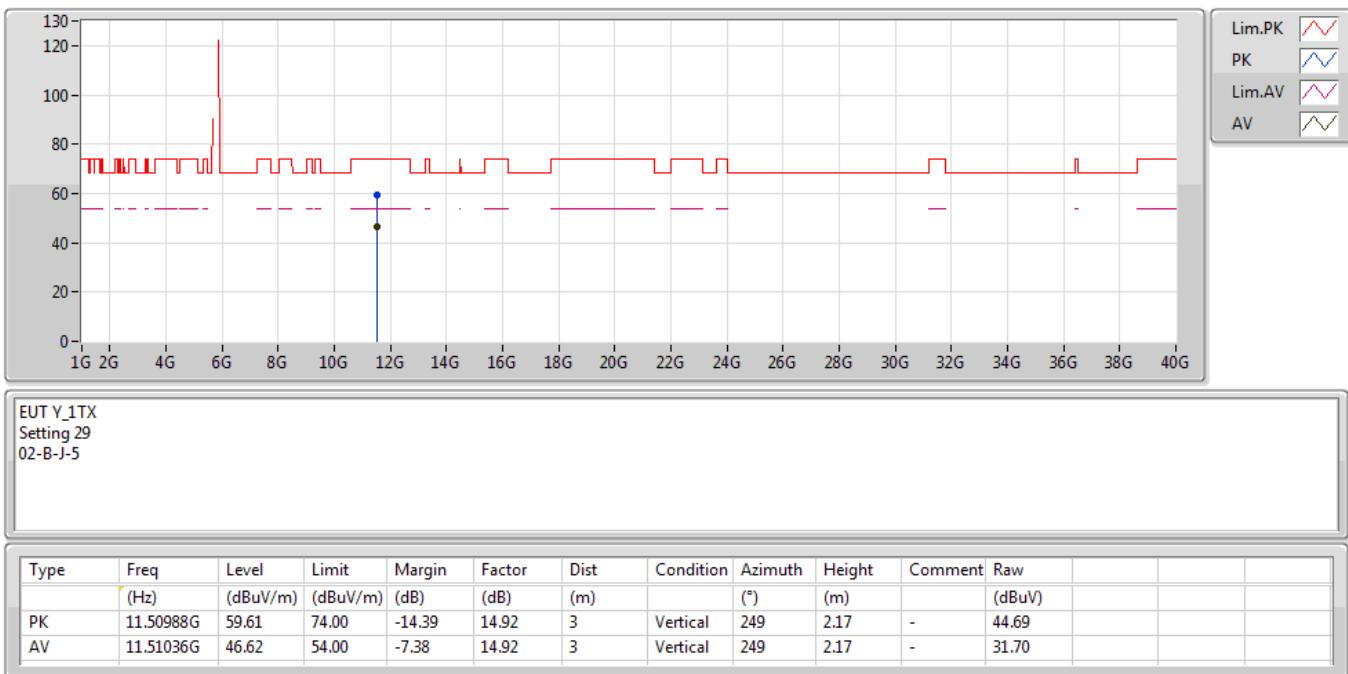
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5755MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

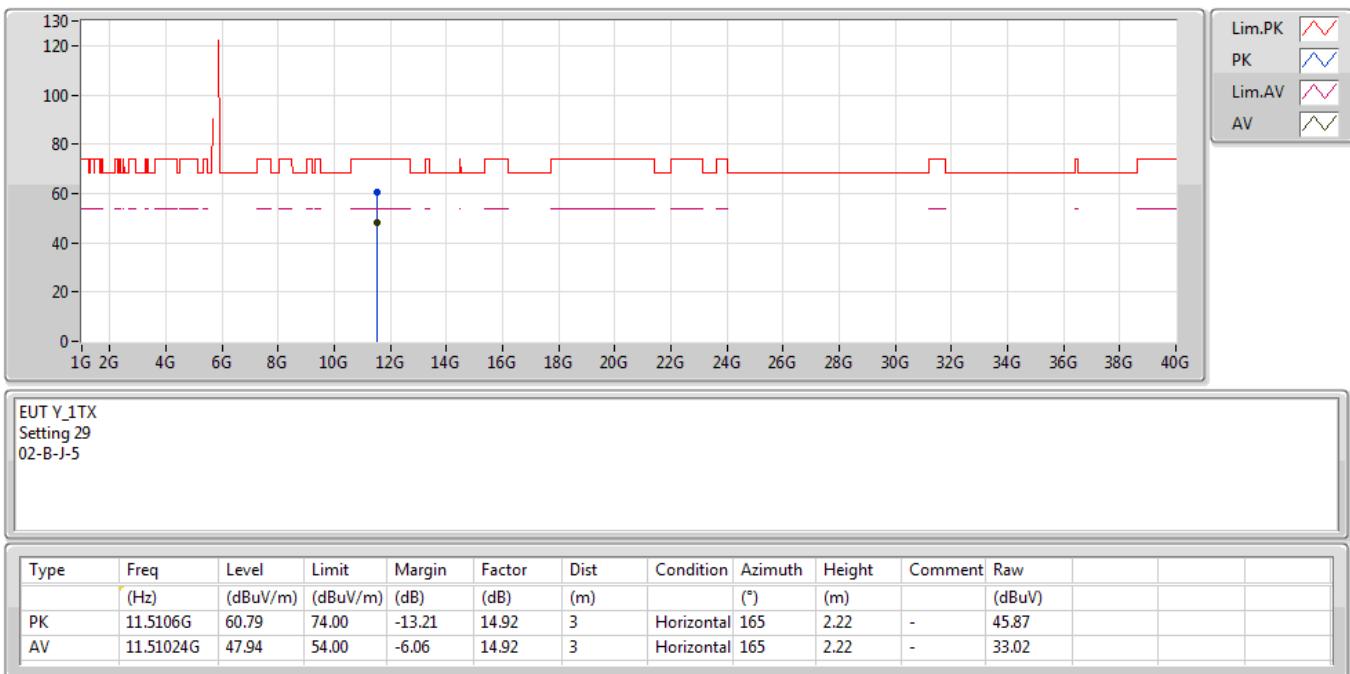
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5755MHz_TX



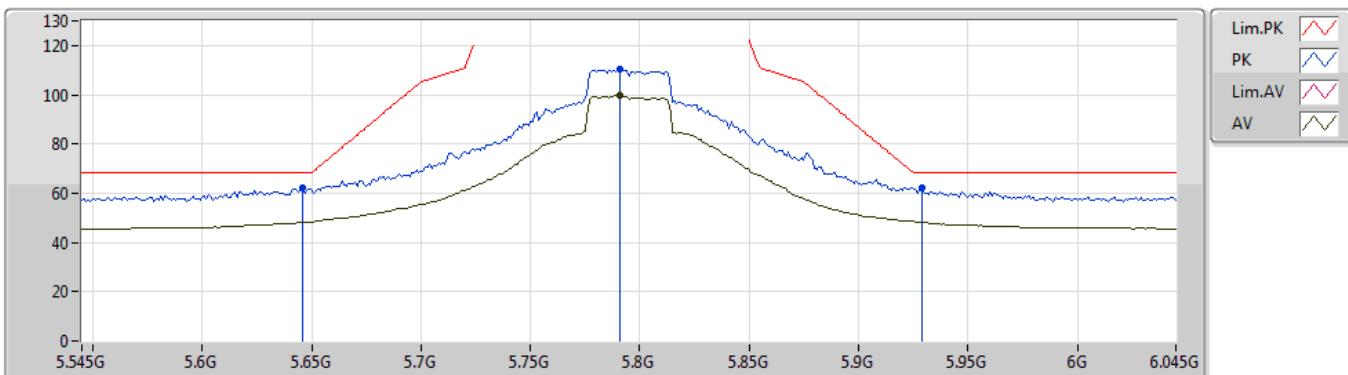
802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5755MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

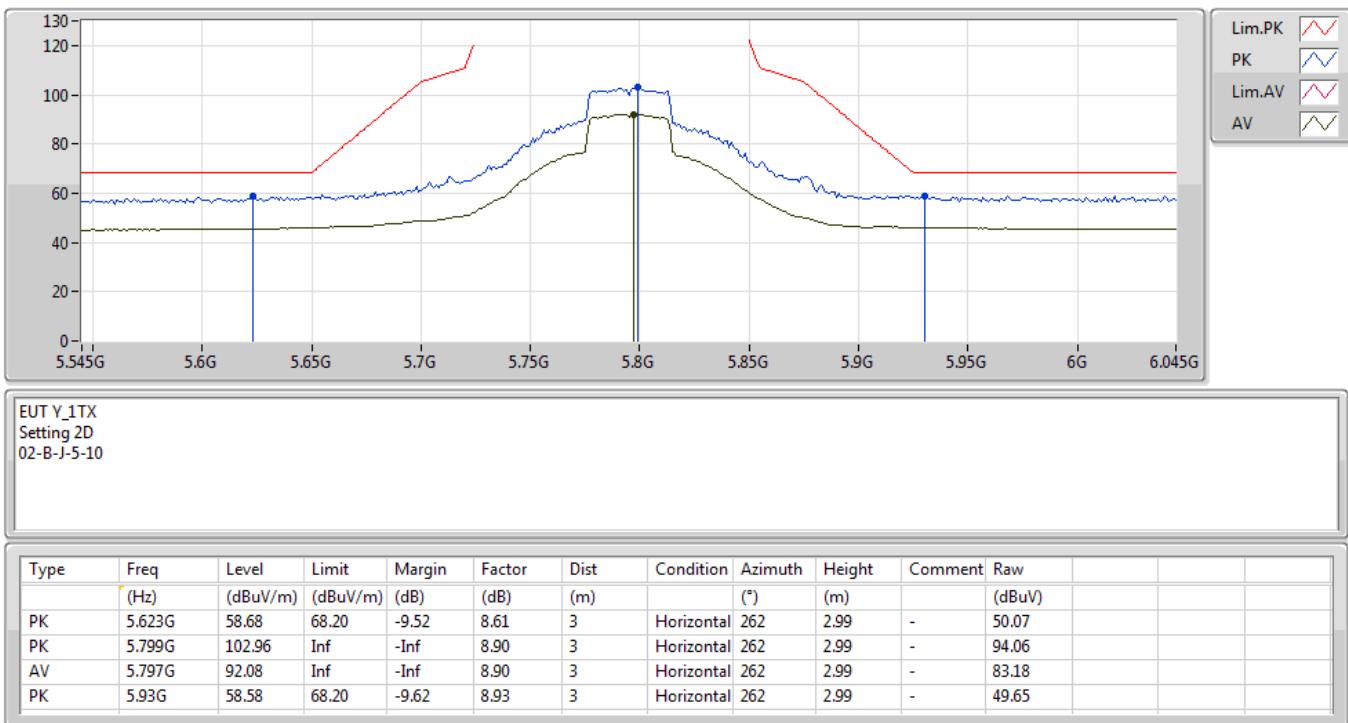
30/11/2019

5795MHz_TX

 EUT Y_1TX
 Setting 2D
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.646G	62.01	68.20	-6.19	8.66	3	Vertical	348	1.68	-	53.35			
PK	5.791G	110.41	Inf	-Inf	8.88	3	Vertical	348	1.68	-	101.53			
AV	5.791G	99.65	Inf	-Inf	8.88	3	Vertical	348	1.68	-	90.77			
PK	5.929G	62.32	68.20	-5.88	8.93	3	Vertical	348	1.68	-	53.39			

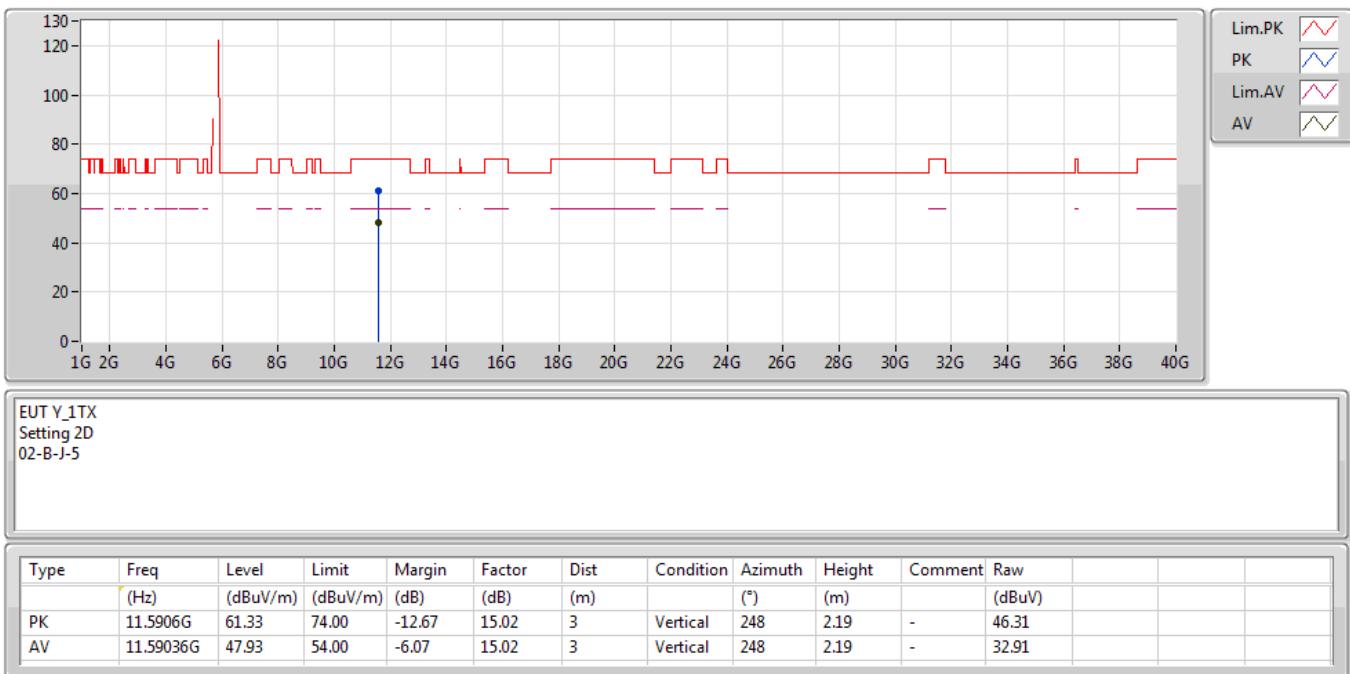
802.11ac VHT40_Nss1,(MCS0)_1TX

30/11/2019

5795MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

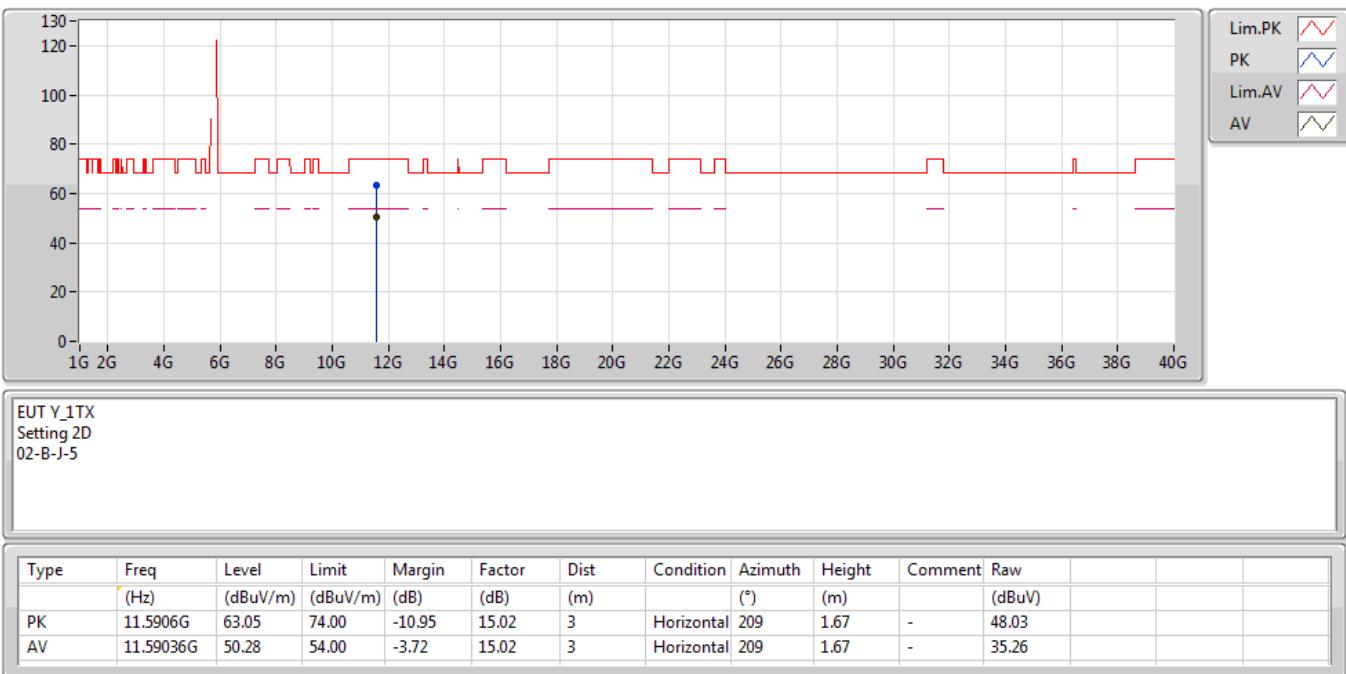
30/11/2019

5795MHz_TX


802.11ac VHT40_Nss1,(MCS0)_1TX

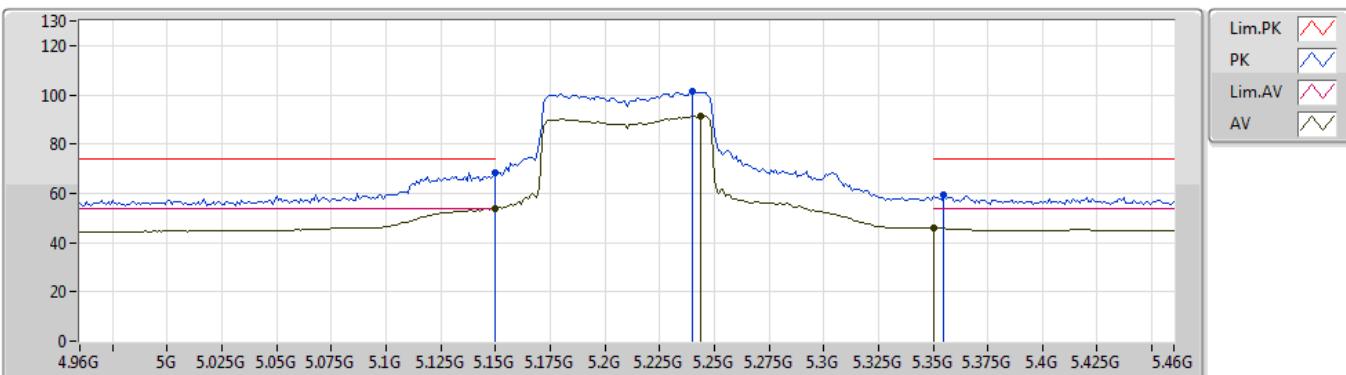
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5795MHz_TX



802.11ac VHT80_Nss1,(MCS0)_1TX

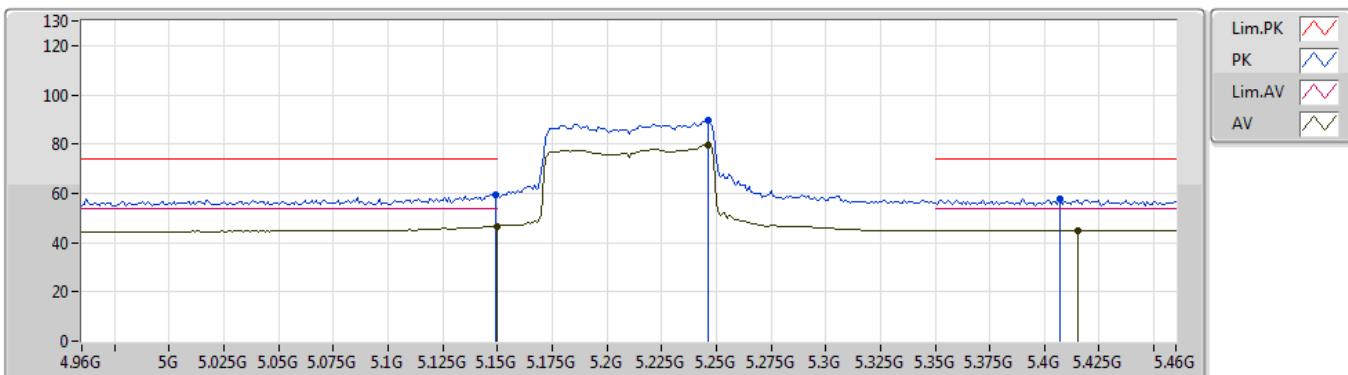
30/11/2019

5210MHz_TX

 EUT Y_1TX
 Setting 18
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.15G	68.33	74.00	-5.67	7.94	3	Vertical	150	1.88	-	60.39			
AV	5.15G	53.91	54.00	-0.09	7.94	3	Vertical	150	1.88	-	45.97			
PK	5.24G	101.17	Inf	-Inf	8.12	3	Vertical	150	1.88	-	93.05			
AV	5.244G	91.42	Inf	-Inf	8.12	3	Vertical	150	1.88	-	83.30			
PK	5.355G	59.40	74.00	-14.60	8.28	3	Vertical	150	1.88	-	51.12			
AV	5.35G	45.81	54.00	-8.19	8.28	3	Vertical	150	1.88	-	37.53			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

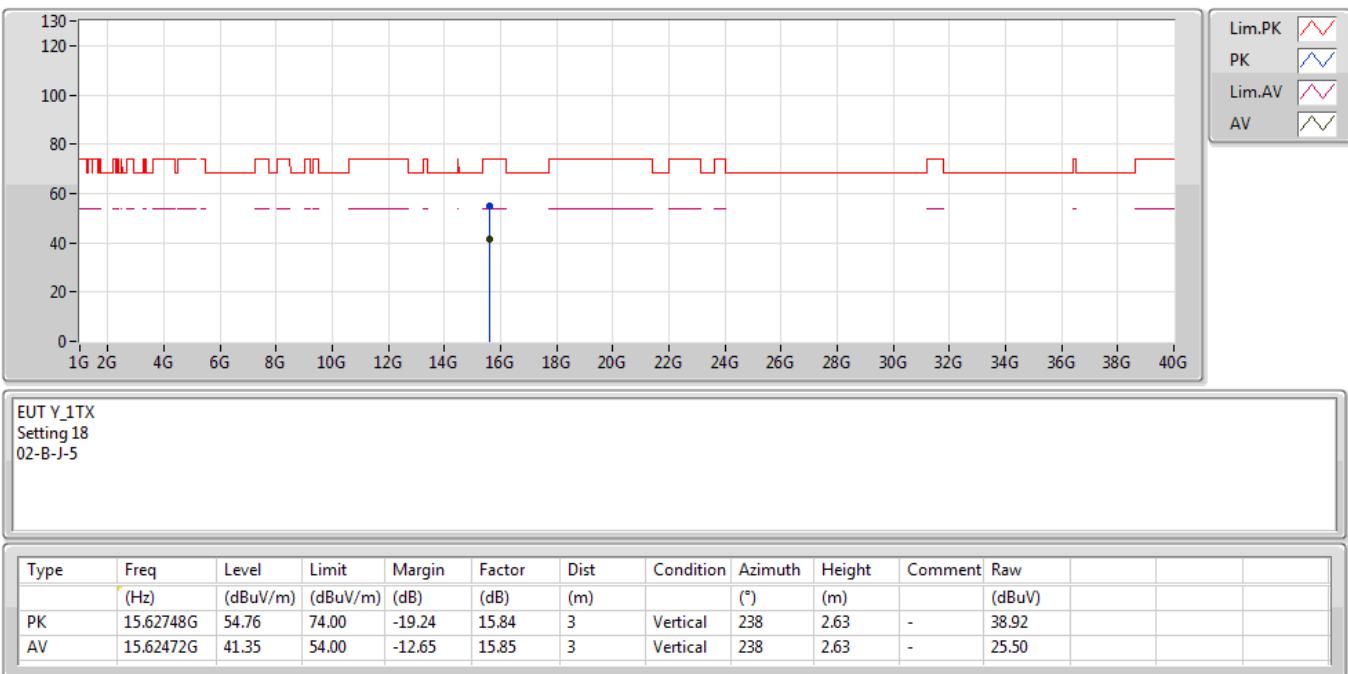
5210MHz_TX

 EUT Y_1TX
 Setting 18
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.149G	59.21	74.00	-14.79	7.94	3	Horizontal	80	1.42	-	51.27			
AV	5.15G	46.70	54.00	-7.30	7.94	3	Horizontal	80	1.42	-	38.76			
PK	5.246G	89.46	Inf	-Inf	8.13	3	Horizontal	80	1.42	-	81.33			
AV	5.246G	79.82	Inf	-Inf	8.13	3	Horizontal	80	1.42	-	71.69			
PK	5.407G	57.86	74.00	-16.14	8.35	3	Horizontal	80	1.42	-	49.51			
AV	5.415G	44.87	54.00	-9.13	8.36	3	Horizontal	80	1.42	-	36.51			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

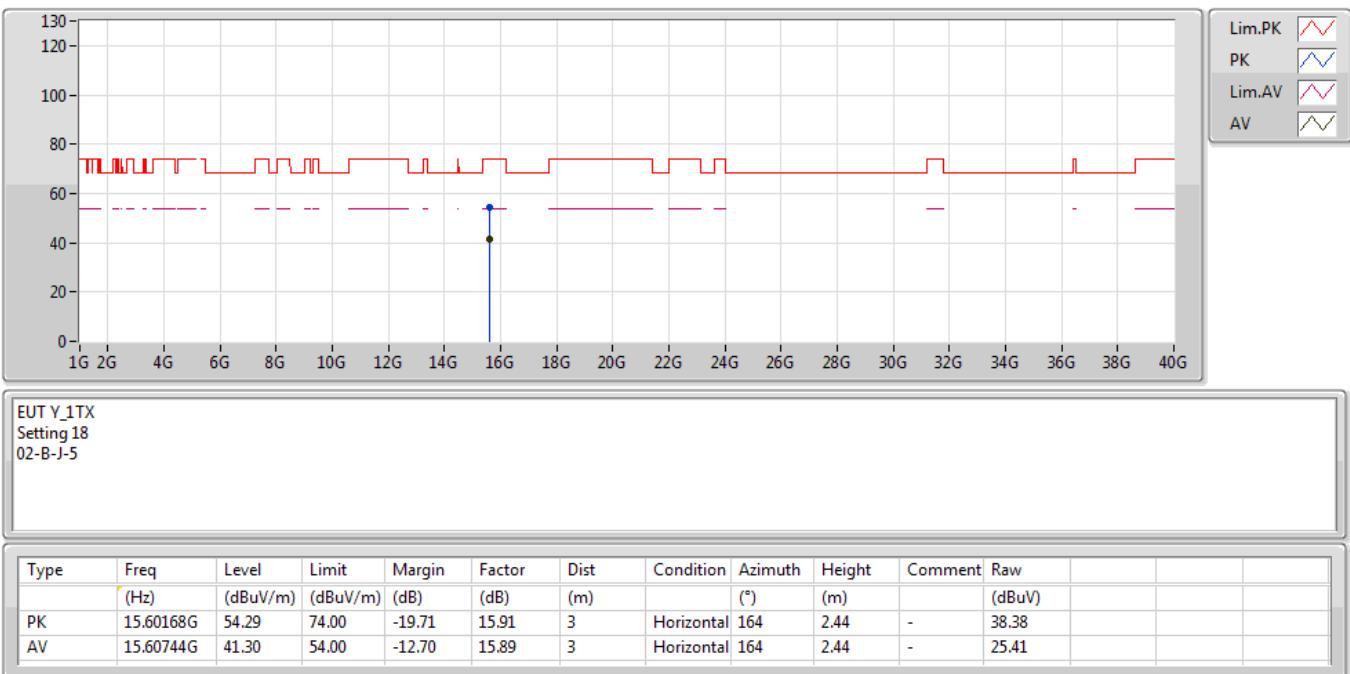
5210MHz_TX



802.11ac VHT80_Nss1,(MCS0)_1TX

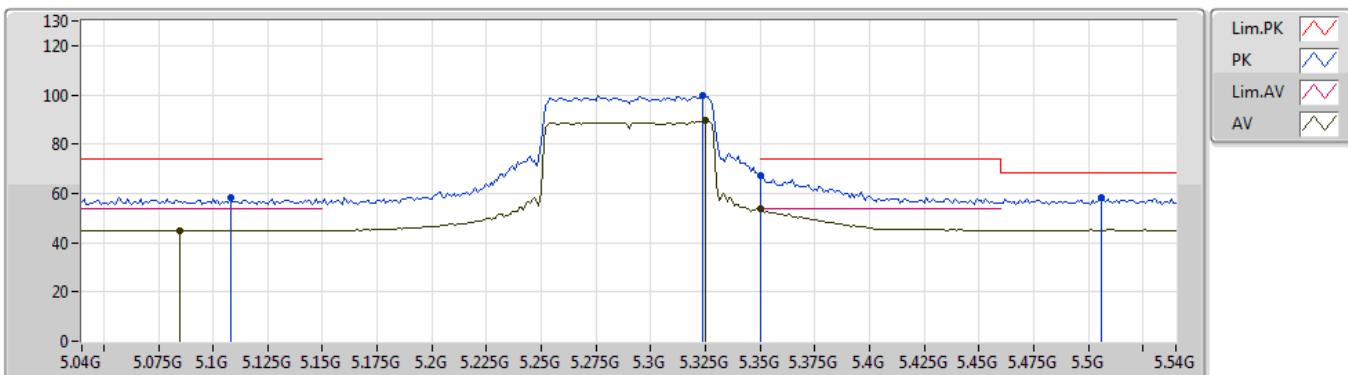
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5210MHz_TX



802.11ac VHT80_Nss1,(MCS0)_1TX

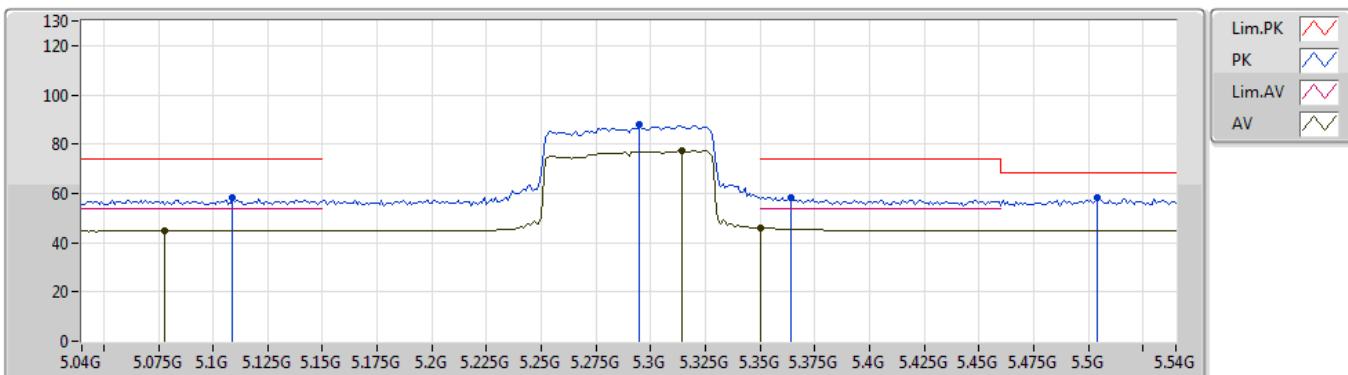
30/11/2019

5290MHz_TX

 EUT Y_1TX
 Setting 13
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.108G	58.17	74.00	-15.83	7.86	3	Vertical	146	1.61	-	50.31			
AV	5.085G	45.00	54.00	-9.00	7.80	3	Vertical	146	1.61	-	37.20			
PK	5.324G	99.64	Inf	-Inf	8.24	3	Vertical	146	1.61	-	91.40			
AV	5.325G	89.67	Inf	-Inf	8.25	3	Vertical	146	1.61	-	81.42			
PK	5.35G	67.02	74.00	-6.98	8.28	3	Vertical	146	1.61	-	58.74			
AV	5.35G	53.66	54.00	-0.34	8.28	3	Vertical	146	1.61	-	45.38			
PK	5.506G	58.16	68.20	-10.04	8.52	3	Vertical	146	1.61	-	49.64			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

5290MHz_TX


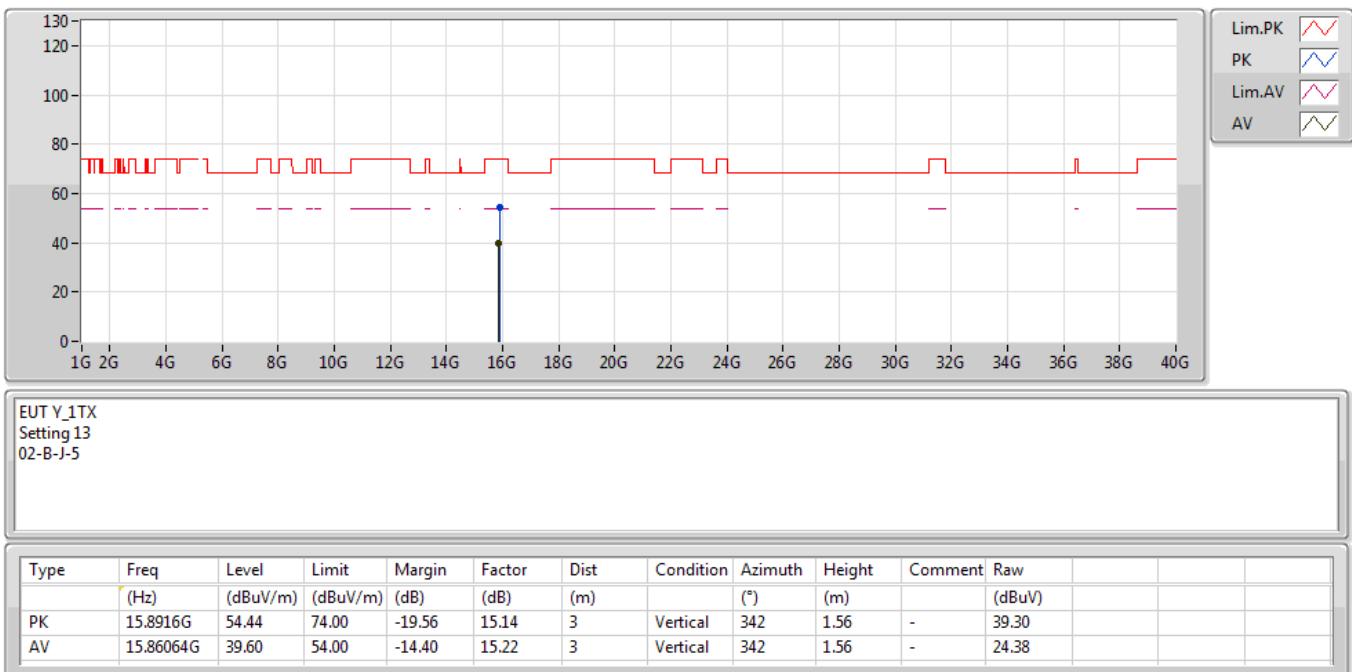
EUT Y_1TX
Setting 13
02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.109G	58.06	74.00	-15.94	7.86	3	Horizontal	81	1.70	-	50.20			
AV	5.078G	44.82	54.00	-9.18	7.79	3	Horizontal	81	1.70	-	37.03			
PK	5.295G	88.02	Inf	-Inf	8.20	3	Horizontal	81	1.70	-	79.82			
AV	5.314G	77.32	Inf	-Inf	8.23	3	Horizontal	81	1.70	-	69.09			
PK	5.364G	58.39	74.00	-15.61	8.29	3	Horizontal	81	1.70	-	50.10			
AV	5.35G	46.15	54.00	-7.85	8.28	3	Horizontal	81	1.70	-	37.87			
PK	5.504G	58.21	68.20	-9.99	8.52	3	Horizontal	81	1.70	-	49.69			

802.11ac VHT80_Nss1,(MCS0)_1TX

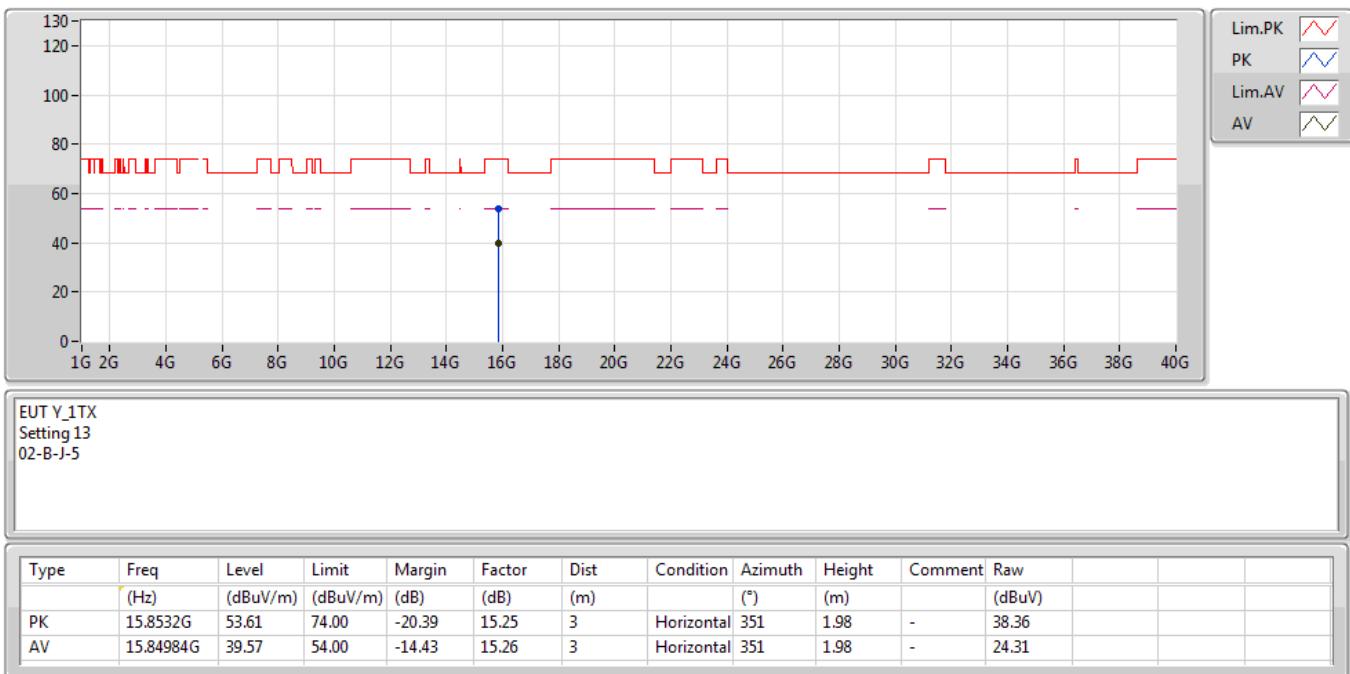
30/11/2019

5290MHz_TX



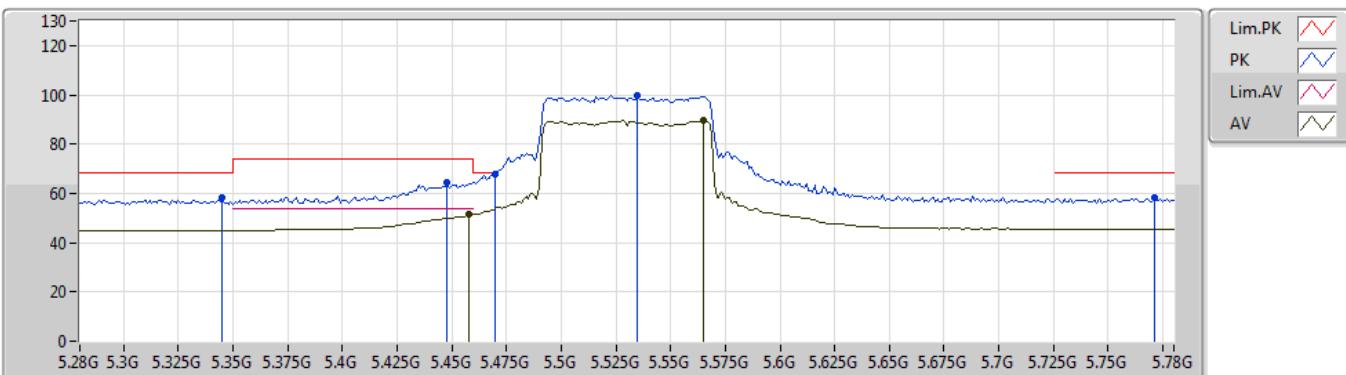
802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

5290MHz_TX


802.11ac VHT80_Nss1,(MCS0)_1TX

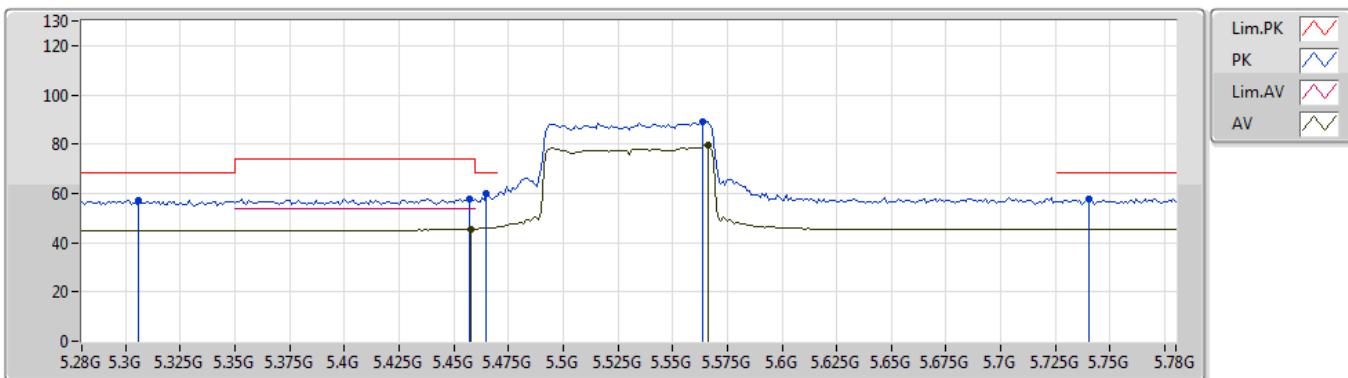
30/11/2019

5530MHz_TX

 EUT Y_1TX
 Setting 10
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.345G	58.06	68.20	-10.14	8.27	3	Vertical	144	1.62	-	49.79			
PK	5.448G	64.35	74.00	-9.65	8.42	3	Vertical	144	1.62	-	55.93			
AV	5.458G	51.52	54.00	-2.48	8.45	3	Vertical	144	1.62	-	43.07			
PK	5.47G	67.94	68.20	-0.26	8.46	3	Vertical	144	1.62	-	59.48			
PK	5.535G	99.70	Inf	-Inf	8.54	3	Vertical	144	1.62	-	91.16			
AV	5.565G	89.75	Inf	-Inf	8.56	3	Vertical	144	1.62	-	81.19			
PK	5.771G	58.37	68.20	-9.83	8.85	3	Vertical	144	1.62	-	49.52			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

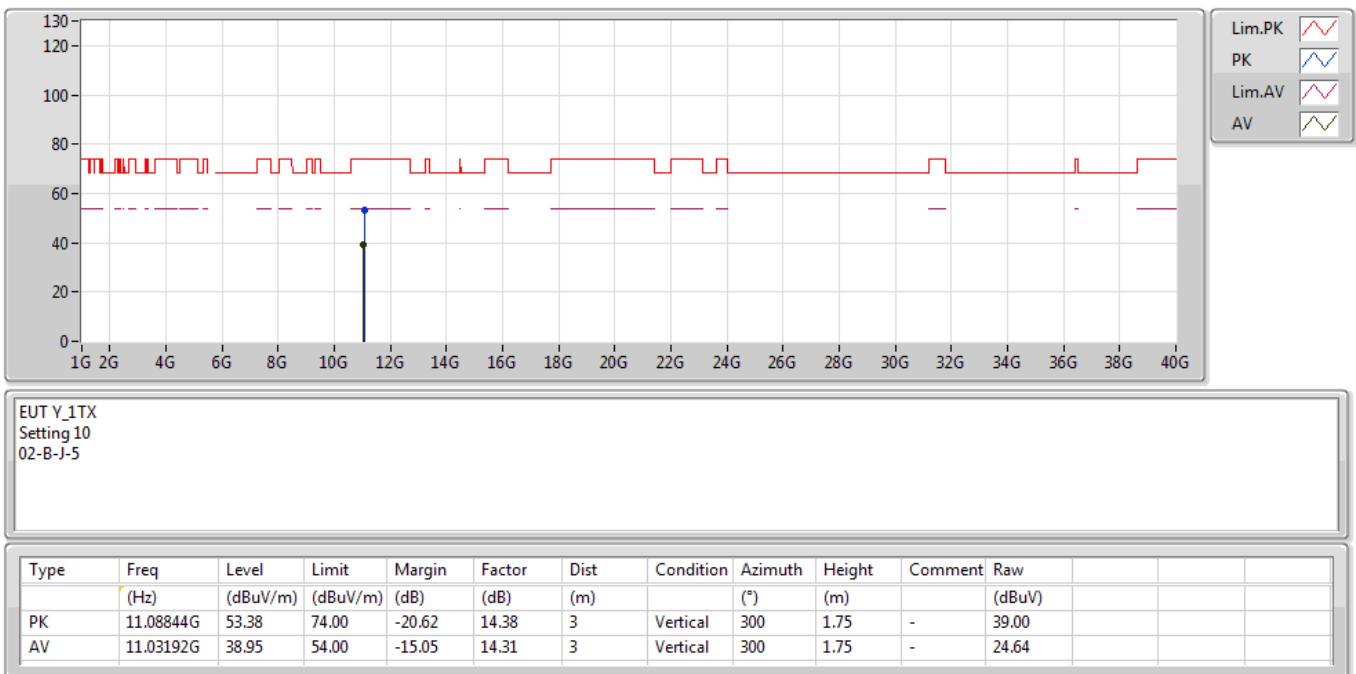
5530MHz_TX

 EUT Y_1TX
 Setting 10
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.306G	57.43	68.20	-10.77	8.22	3	Horizontal	83	1.68	-	49.21			
PK	5.457G	57.91	74.00	-16.09	8.44	3	Horizontal	83	1.68	-	49.47			
AV	5.458G	45.50	54.00	-8.50	8.45	3	Horizontal	83	1.68	-	37.05			
PK	5.465G	60.06	68.20	-8.14	8.45	3	Horizontal	83	1.68	-	51.61			
PK	5.564G	89.09	Inf	-Inf	8.56	3	Horizontal	83	1.68	-	80.53			
AV	5.566G	79.34	Inf	-Inf	8.56	3	Horizontal	83	1.68	-	70.78			
PK	5.74G	57.94	68.20	-10.26	8.80	3	Horizontal	83	1.68	-	49.14			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

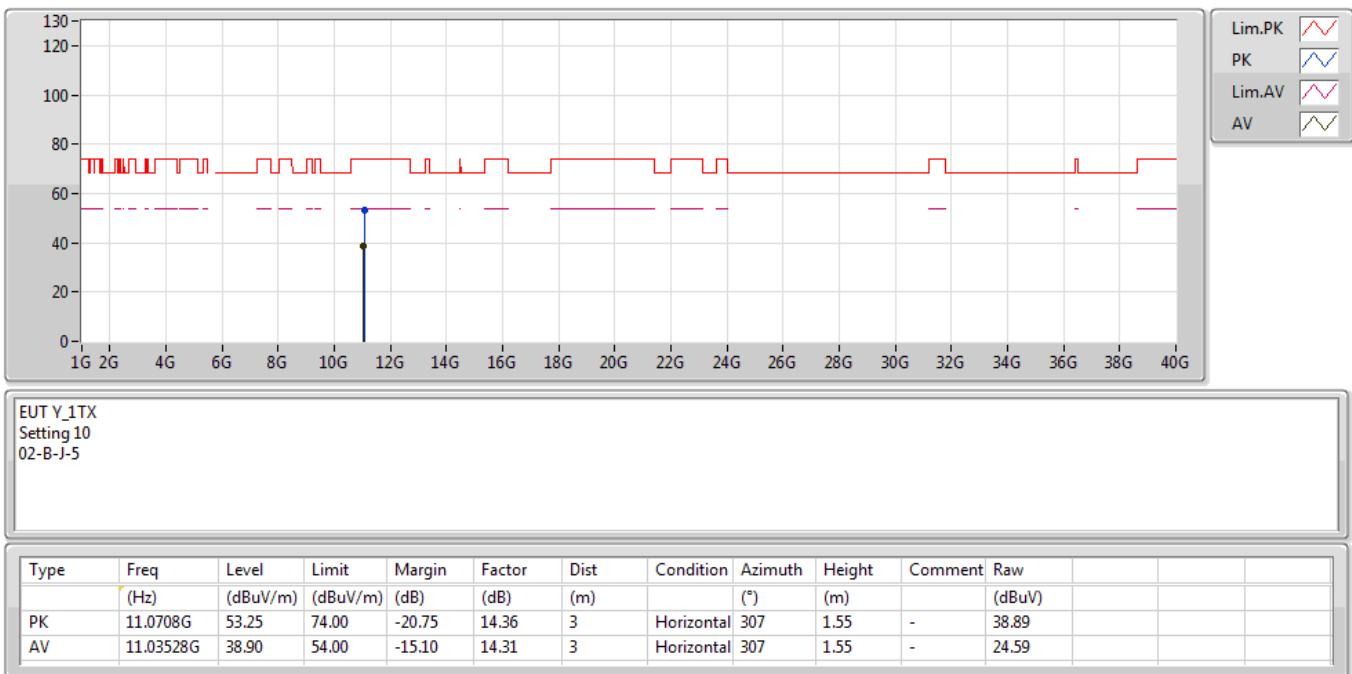
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802.11ac VHT80_Nss1,(MCS0)_1TX

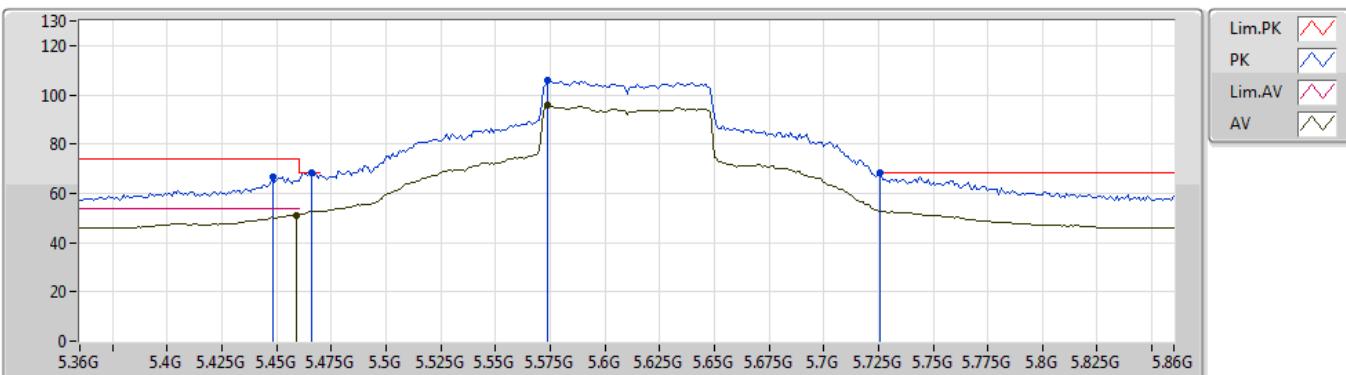
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5530MHz_TX



802.11ac VHT80_Nss1,(MCS0)_1TX

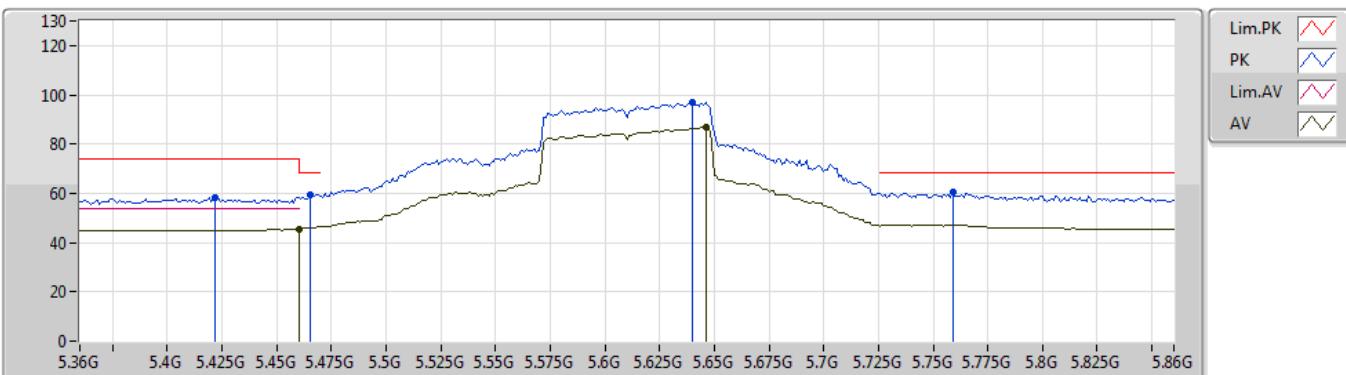
30/11/2019

5610MHz_TX

 EUT Y_1TX
 Setting 1E
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.448G	66.64	74.00	-7.36	8.42	3	Vertical	5	1.85	-	58.22			
PK	5.466G	68.14	68.20	-0.06	8.46	3	Vertical	5	1.85	-	59.68			
AV	5.459G	51.17	54.00	-2.83	8.45	3	Vertical	5	1.85	-	42.72			
PK	5.574G	105.71	Inf	-Inf	8.56	3	Vertical	5	1.85	-	97.15			
AV	5.574G	95.58	Inf	-Inf	8.56	3	Vertical	5	1.85	-	87.02			
PK	5.726G	68.14	68.20	-0.06	8.79	3	Vertical	5	1.85	-	59.35			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

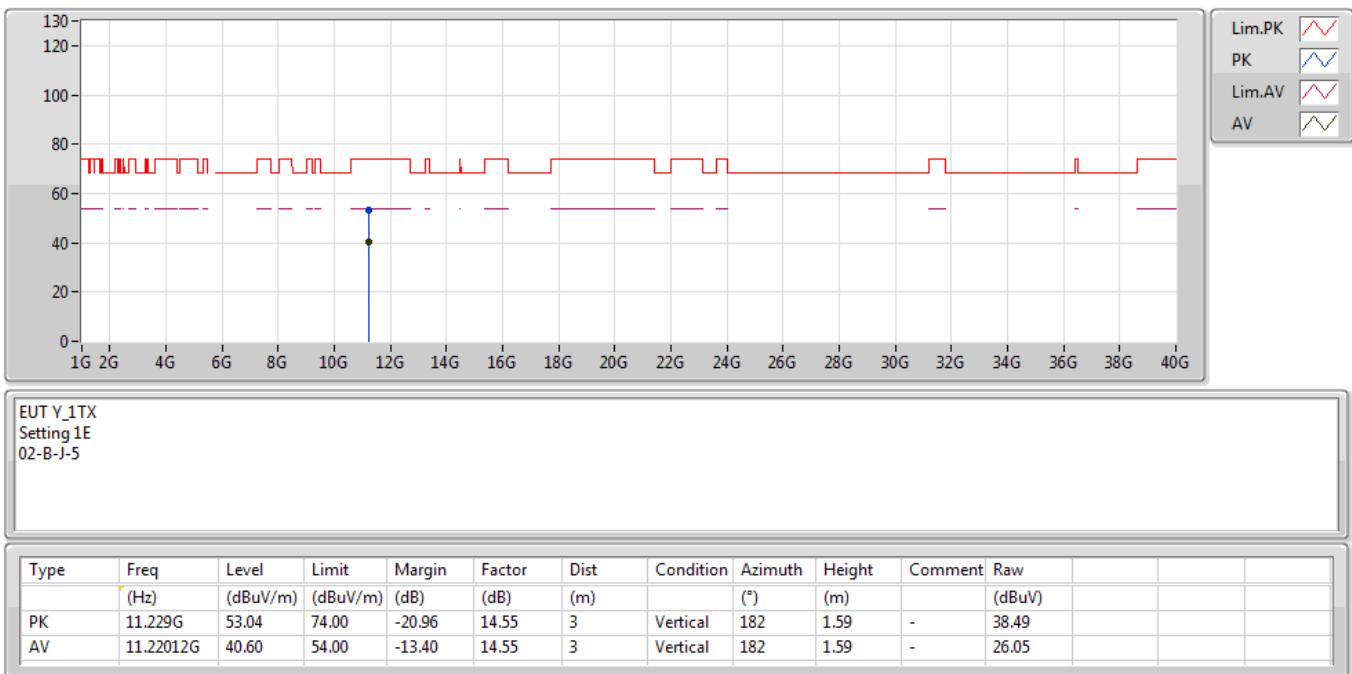
5610MHz_TX

 EUT Y_1TX
 Setting 1E
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.422G	58.53	74.00	-15.47	8.38	3	Horizontal	262	3.00	-	50.15			
PK	5.465G	59.41	68.20	-8.79	8.45	3	Horizontal	262	3.00	-	50.96			
AV	5.46G	45.46	54.00	-8.54	8.45	3	Horizontal	262	3.00	-	37.01			
PK	5.64G	96.85	Inf	-Inf	8.65	3	Horizontal	262	3.00	-	88.20			
AV	5.646G	86.88	Inf	-Inf	8.66	3	Horizontal	262	3.00	-	78.22			
PK	5.759G	60.79	68.20	-7.41	8.85	3	Horizontal	262	3.00	-	51.94			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

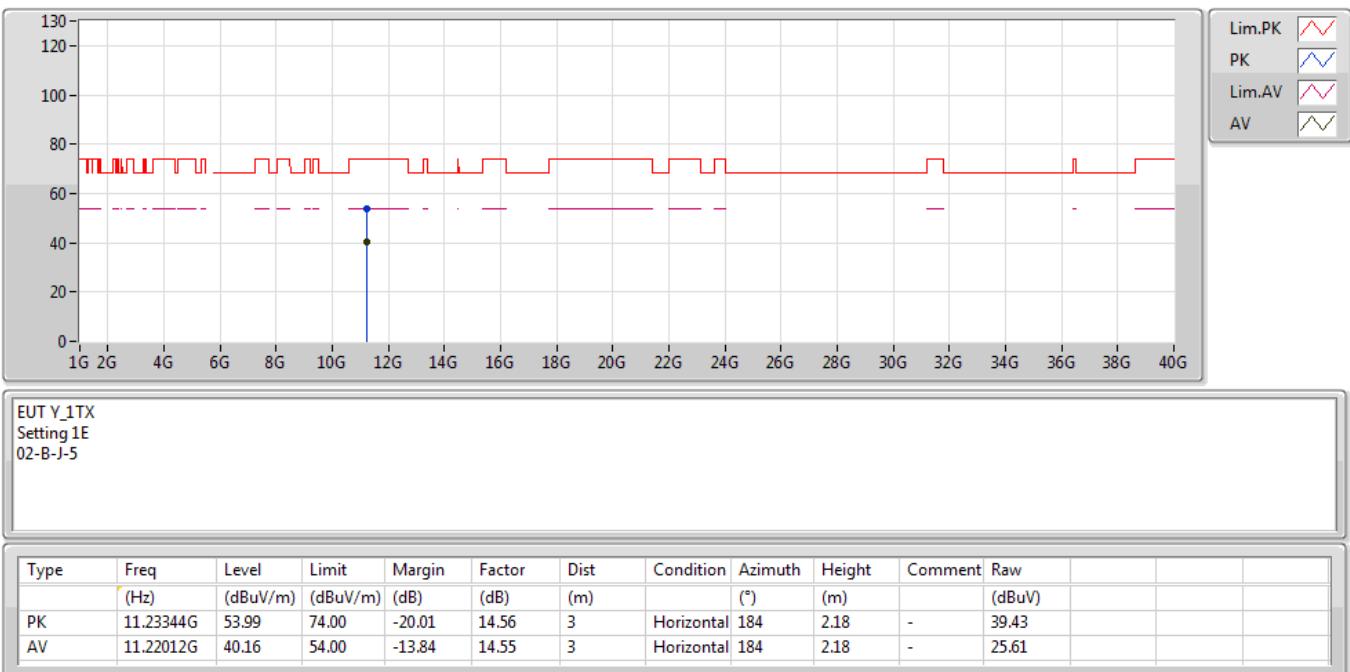
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802.11ac VHT80_Nss1,(MCS0)_1TX

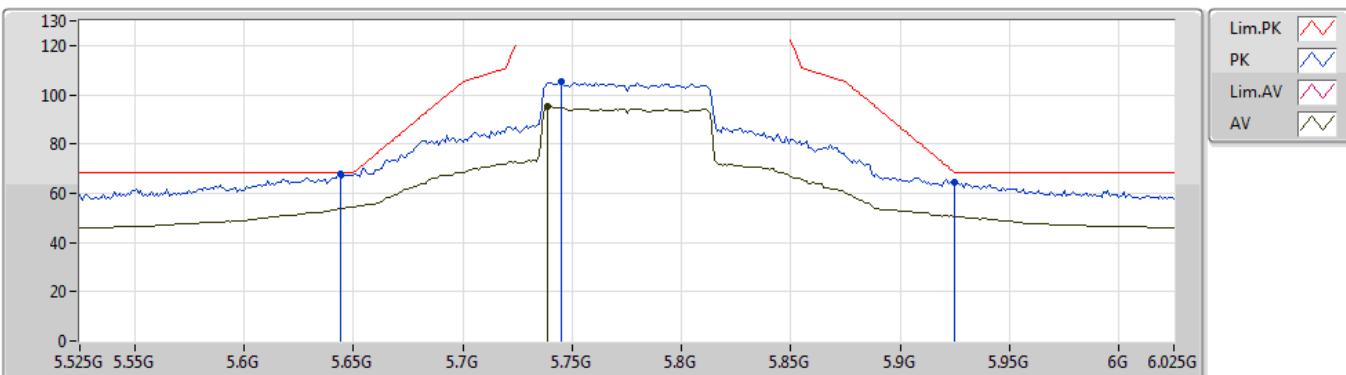
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5610MHz_TX



802.11ac VHT80_Nss1,(MCS0)_1TX

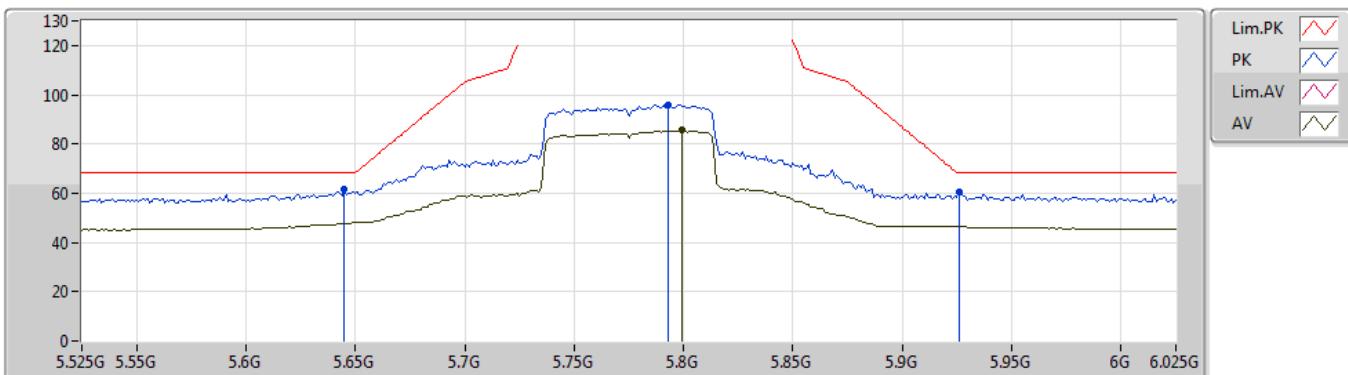
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5775MHz_TX

 EUT Y_1TX
 Setting 1D
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.644G	67.86	68.20	-0.34	8.66	3	Vertical	298	1.73	-	59.20			
PK	5.745G	105.08	Inf	-Inf	8.82	3	Vertical	298	1.73	-	96.26			
AV	5.739G	95.06	Inf	-Inf	8.80	3	Vertical	298	1.73	-	86.26			
PK	5.925G	64.44	68.20	-3.76	8.93	3	Vertical	298	1.73	-	55.51			

802.11ac VHT80_Nss1,(MCS0)_1TX

30/11/2019

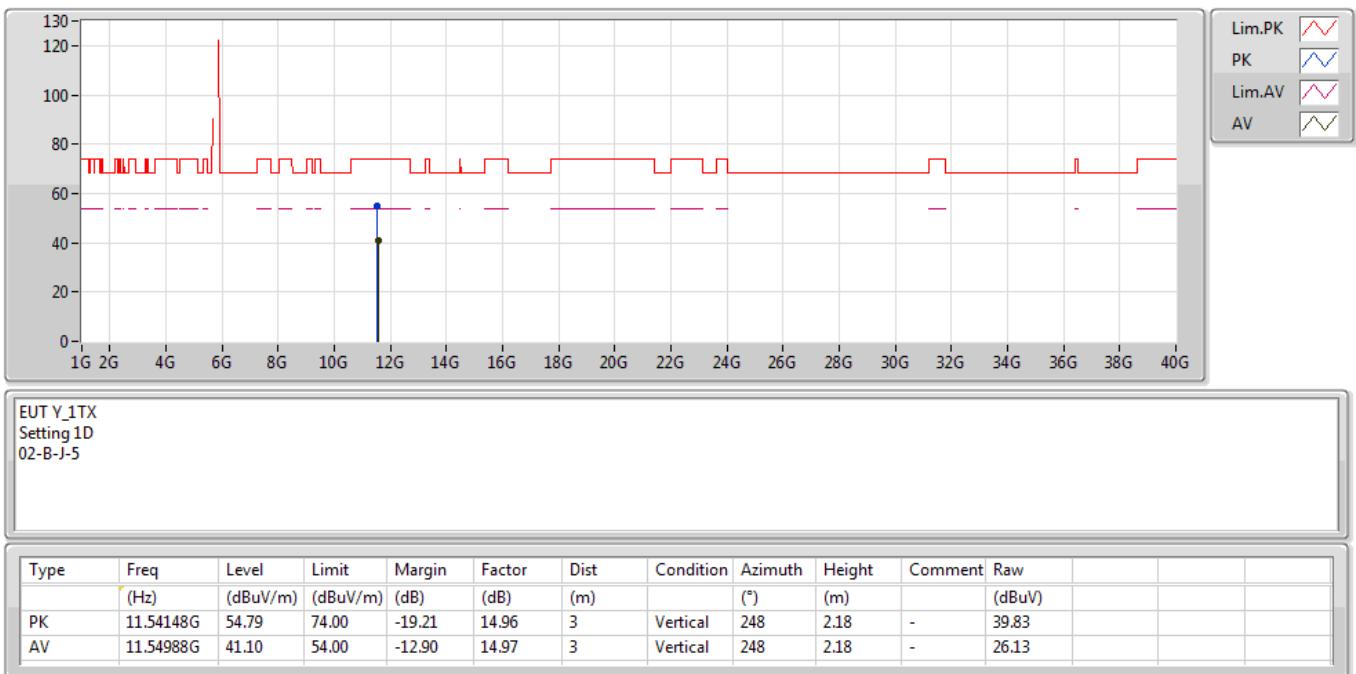
5775MHz_TX

 EUT Y_1TX
 Setting 1D
 02-B-J-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)			
PK	5.645G	61.39	68.20	-6.81	8.66	3	Horizontal	262	2.98	-	52.73			
PK	5.793G	95.87	Inf	-Inf	8.89	3	Horizontal	262	2.98	-	86.98			
AV	5.799G	85.60	Inf	-Inf	8.90	3	Horizontal	262	2.98	-	76.70			
PK	5.926G	60.28	68.20	-7.92	8.93	3	Horizontal	262	2.98	-	51.35			

802.11ac VHT80_Nss1,(MCS0)_1TX

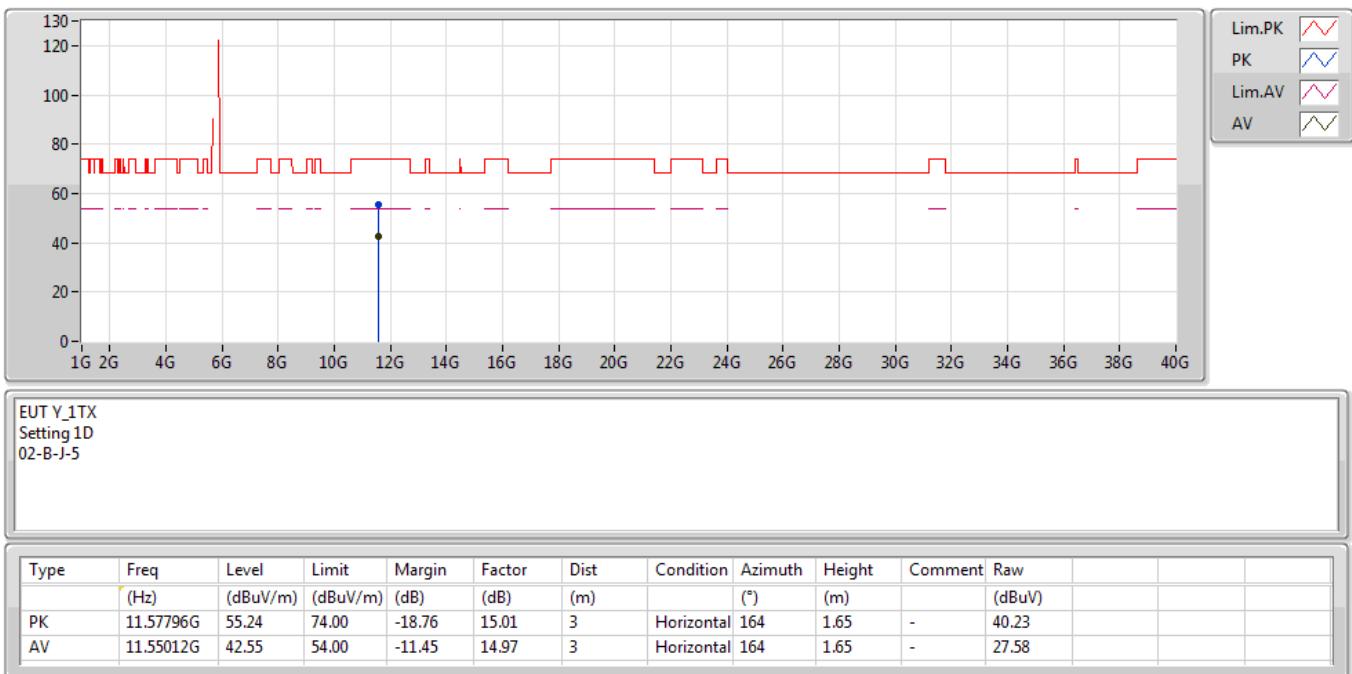
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5775MHz_TX



802.11ac VHT80_Nss1,(MCS0)_1TX

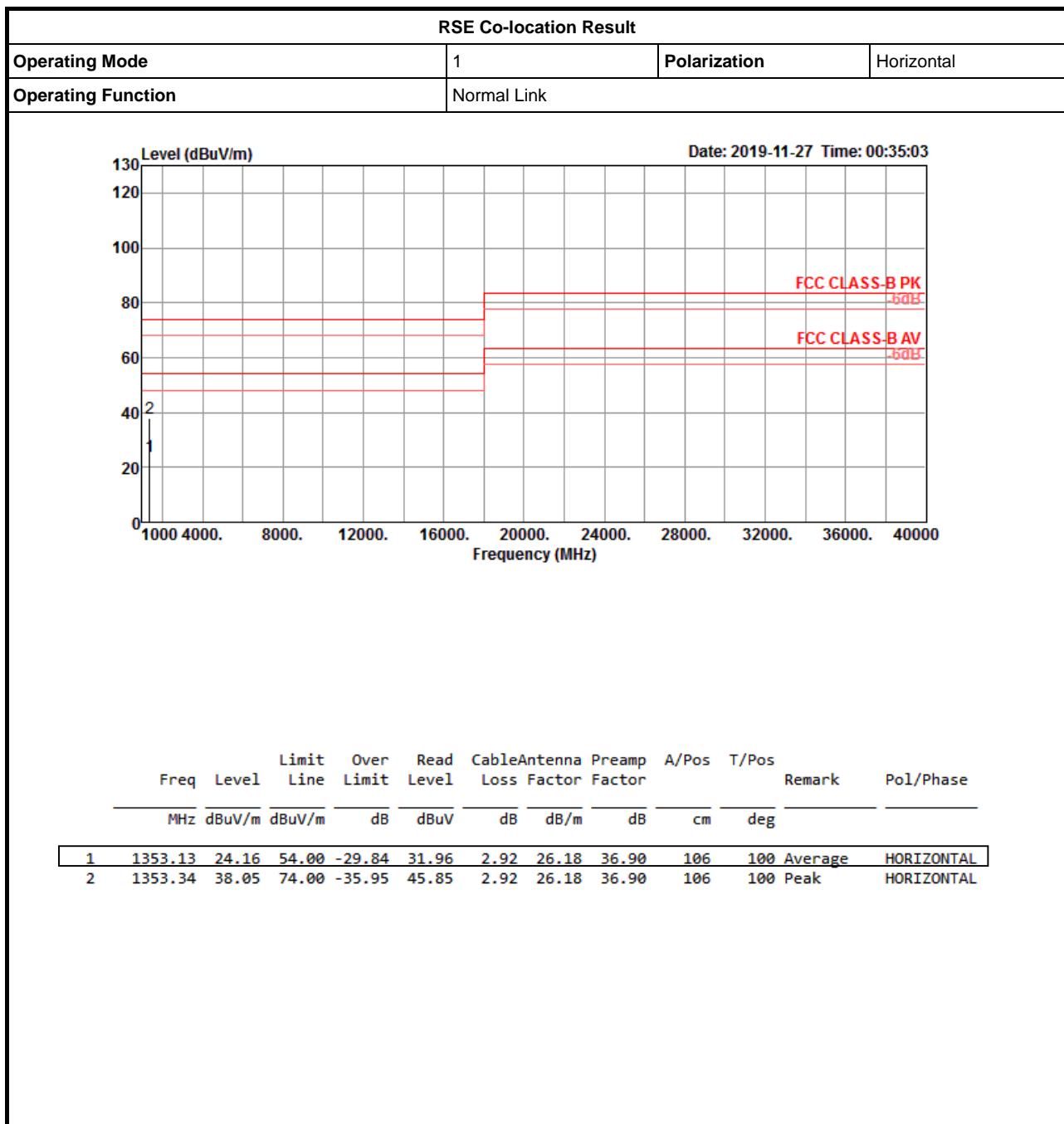
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5775MHz_TX




RSE Co-location Result

Appendix F





RSE Co-location Result

Appendix F

