FCC RADIO TEST REPORT

FCC ID	:	O2U-CH7368
Equipment	:	Wireless Gateway
Brand Name	:	dbn
Model Name	:	CH7368, CH7368XXXXXX (The "X" in the model name can be 0 to 9 , A to Z , dash ok blank , for marketing purpose)
Applicant	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Manufacturer	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Standard	:	47 CFR FCC Part 15.407

The product was received on Apr. 09, 2019, and testing was started from Apr. 24, 2019 and completed on May 27, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.
The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR932923AB	01	Initial issue of report	Jun. 14, 2019
FR932923AB	02	Revise the equipment name and add a model name.	Jun. 19, 2019

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:
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: Cindy Peng

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Remark
1	3	CBN	CH7368	Diople Antenna	I-PEX	5.2	2.4GHz
2	2	CBN	CH7368	Diople Antenna	I-PEX	3.6	2.4GHz
3	1	CBN	CH7368	Diople Antenna	I-PEX	5.5	2.4GHz
4	4	CBN	CH7368	Diople Antenna	I-PEX	7.1	5GHz
5	3	CBN	CH7368	Diople Antenna	I-PEX	6.8	5GHz
6	2	CBN	CH7368	Diople Antenna	I-PEX	7.0	5GHz
7	1	CBN	CH7368	Diople Antenna	I-PEX	5.9	5GHz

Note 1: The above information was declared by manufacturer.
Note 2: The EUT has seven antennas (Ant. 1~Ant. 3 for WLAN 2.4GHz use, and the other antennas for WLAN 5GHz use) .
Note 3: For WLAN 2.4GHz:
802.11b (1TX/1RX): Only Port 1 could transmit/receive simultaneously.
802.11g/n (3TX/3RX): Port 1, Port 2 and Port 3 could transmit/receive simultaneously.
Note 4: For WLAN 5GHz:
802.11a/n/ac (4TX/4RX): Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.966	0.15	657.5u	3k
802.11ac VHT80	0.931	0.31	326.25u	10k

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	Lantq DUT Generation Wave500			
Test Sample Serial Number	Normal Link and CTX - 5GHz:		1417368200002	
	CTX - 2.4GHz:		1417368200000	

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
dbn	CH7368	All the models are identical, and the difference model served as marketing strategy.
	CH7368XXXXXX (The "X" in the model name can be 0 to 9 , A to Z , dash ok blank , for maketing purpose)	

From the above models, model: CH7368 was selected as representative model for the test and its data was recorded in this report.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Welson Chen	22~24°C / 54~56%	Apr. 26, 2019~May 10, 2019
Radiated (Below 1GHz)	03CH01-CB	Paul Chen	22~24°C / 50~60%	May 24, 2019
Radiated (Above 1GHz)	03CH01-CB	Welson Chen	22~24°C / 53~55%	Apr. 24, 2019~May 07, 2019
AC Conduction	CO01-CB	Deven Huang	22~23°C / 55~58%	May 27, 2019

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086B with Industry Canada.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	18
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	18
5200MHz	17.5
5240MHz	18.5
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	16
5230MHz	20
5755MHz	22.5
5795MHz	23
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	14
5775MHz	18.5

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

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	
1	Normal Link

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	
1	Normal Link
Operating Mode > 1GHz	
1	CTX

Note: The EUT can only be used at Y axis position.

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

Accessories				
No.	**Equipment Name**	**Brand Name**	**Model Name**	**Rating**
1	Adapter	Frecom	F30L2-120250SPAU	INPUT: 100-240Vac, 50/60Hz, 0.8A OUTPUT: 12Vdc, 2.5A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Flash disk3.0	Transcend	JetFlash-700	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	Terminal system	MOTOROLA	BSR2000	N/A
F	Terminal system NB	ACER	MS2308	N/A
G	Phone 1	SAMPO	HT-B 907WL	N/A
H	Phone 2	SAMPO	HT-B 907WL	N/A
I	Splitter	N/A	N/A	N/A

For Radiated (below 1GHz):

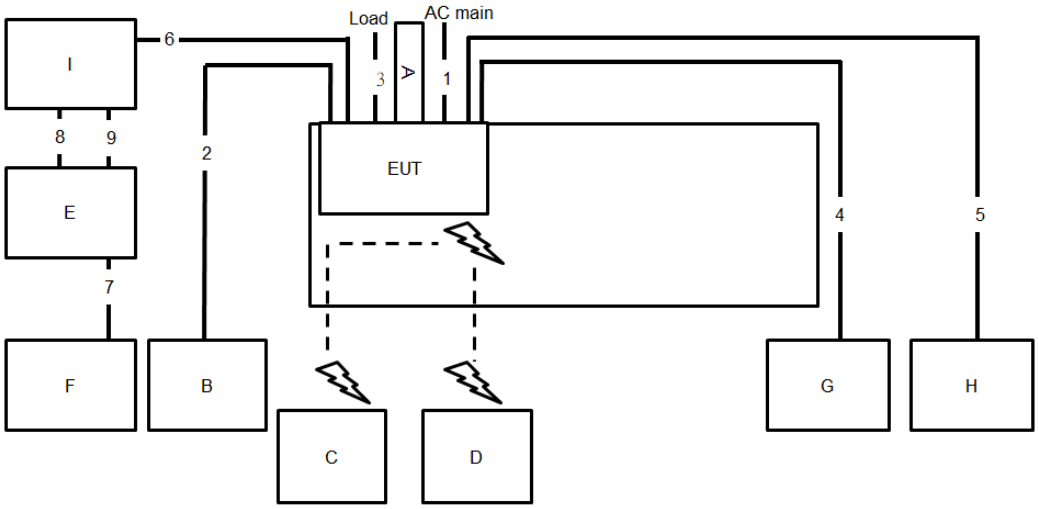
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.4G NB	Apple	Mac Book	N/A
B	5G NB	Apple	Mac Book	N/A
C	LAN NB	DELL	E4300	N/A
D	Terminal system NB	acer	N/A	N/A
E	Phone 1	SAMPO	HT-B 907WL	N/A
F	Phone 2	SAMPO	HT-B 907WL	N/A
G	Terminal system	MOTOROLA	BSR2000	N/A
H	Splitter	N/A	N/A	N/A
I	Flash disk3.0	Silicon Power	B06	N/A

For Radiated (above 1GHz) and RF Conducted:

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

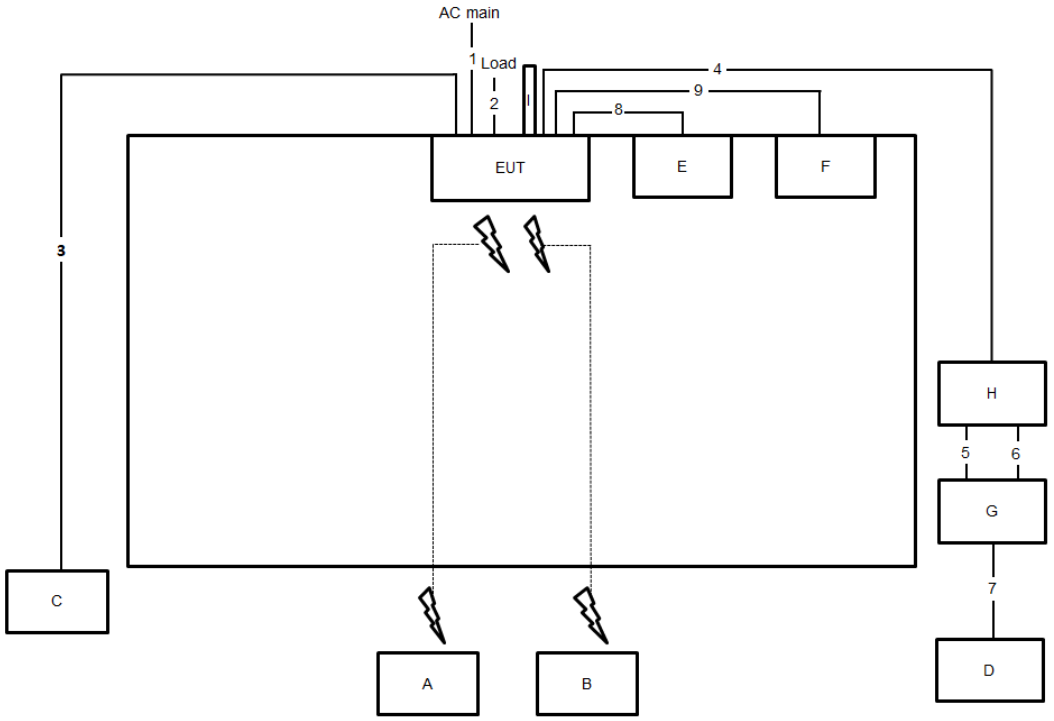
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



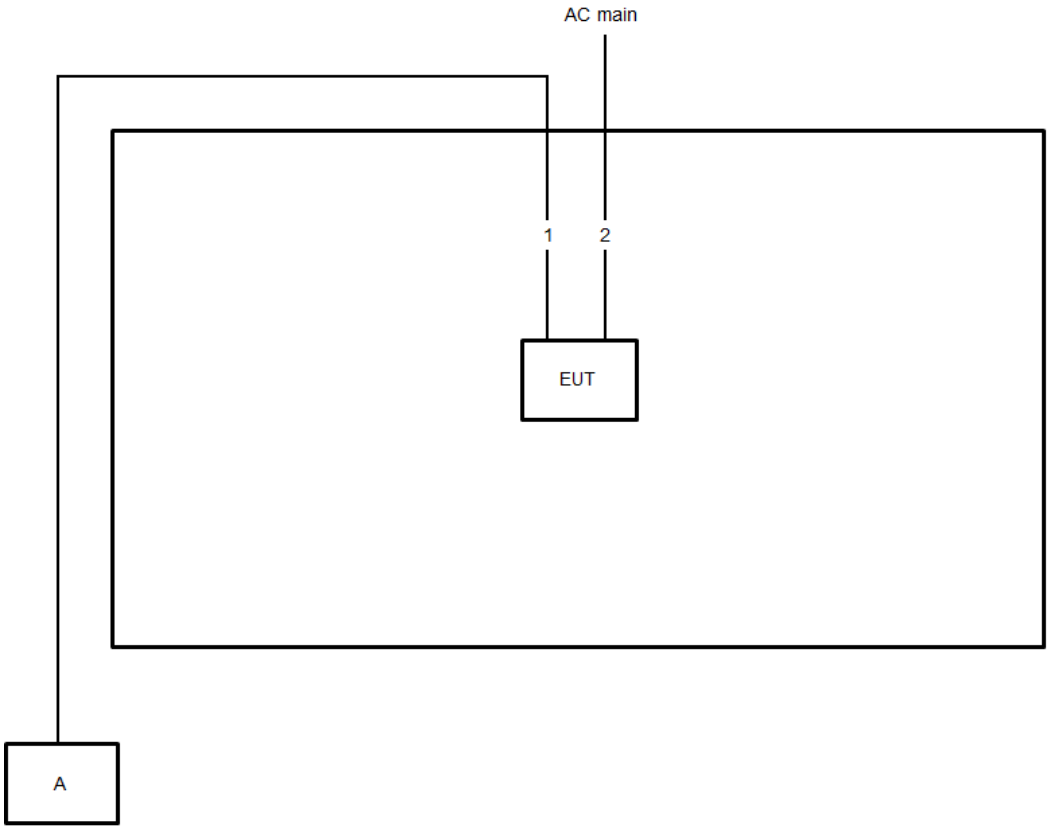
Item	Connection	Shielded	Length
1	Power cable	No	2m
2	RJ-45 cable	No	10m
3	RJ-45 cable*3	No	1.5m
4	RJ-11 cable	No	10m
5	RJ-11 cable	No	10m
6	Coaxial cable	Yes	10m
7	RJ-45 cable	No	1.5m
8	Coaxial cable	Yes	2m
9	Coaxial cable	Yes	2m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2m
2	RJ-45 cable*3	No	1.5m
3	RJ-45 cable	No	10m
4	Coaxial cable	Yes	10m
5	Coaxial cable	Yes	2m
6	Coaxial cable	Yes	2m
7	RJ-45 cable	No	3m
8	RJ-11 cable	No	1.5m
9	RJ-11 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

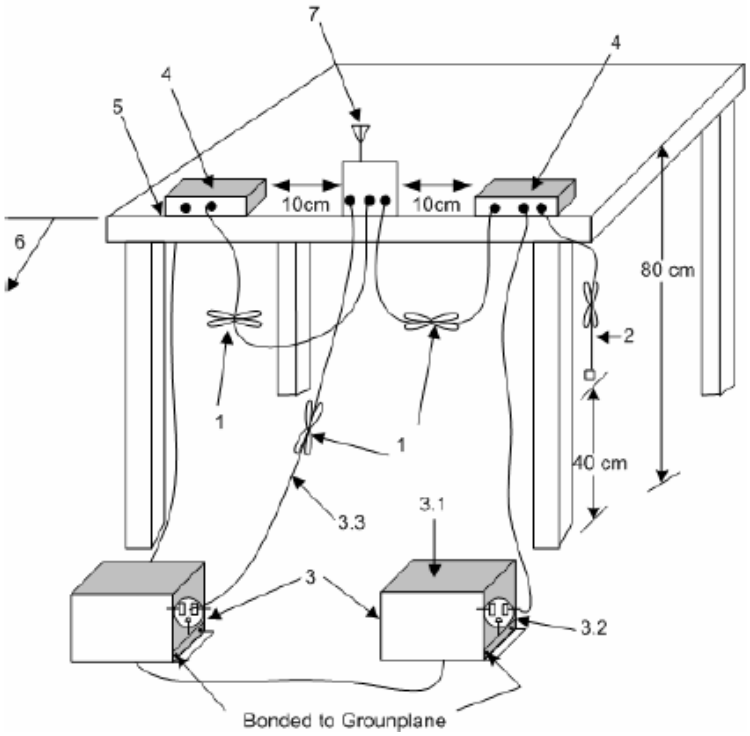
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.2.2 Measuring Instruments

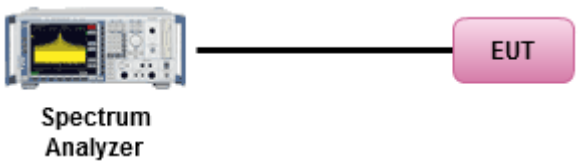
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

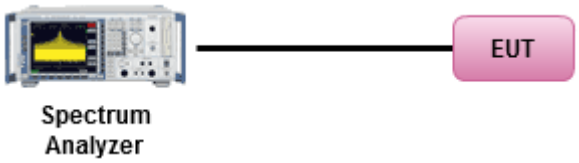
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	[duty cycle ≥ 98% or external video / power trigger]	
	☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


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

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

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

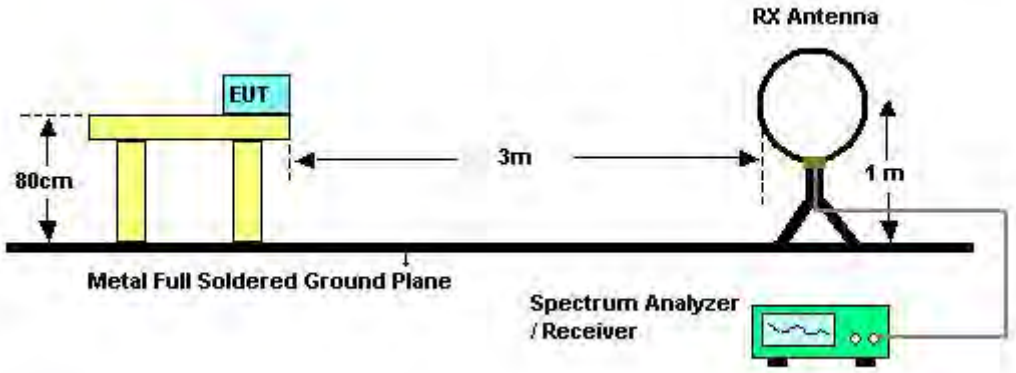
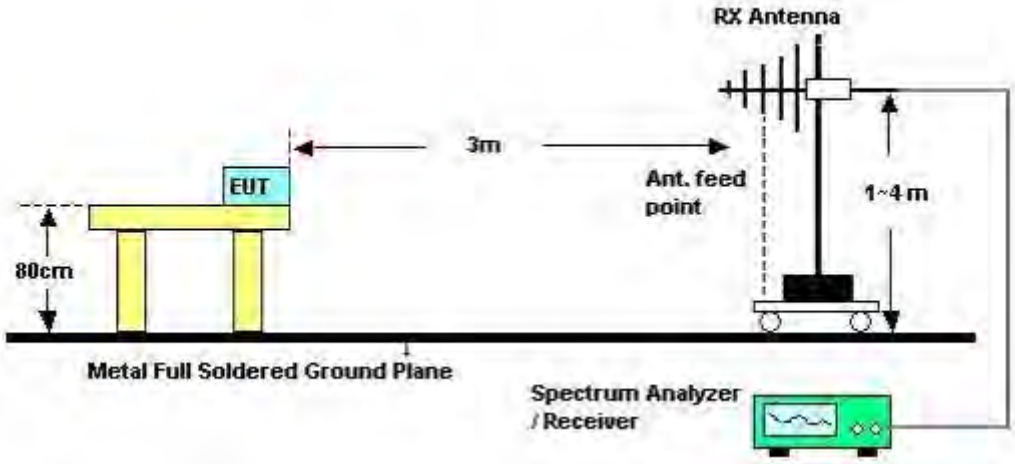
3.5.2 Measuring Instruments

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

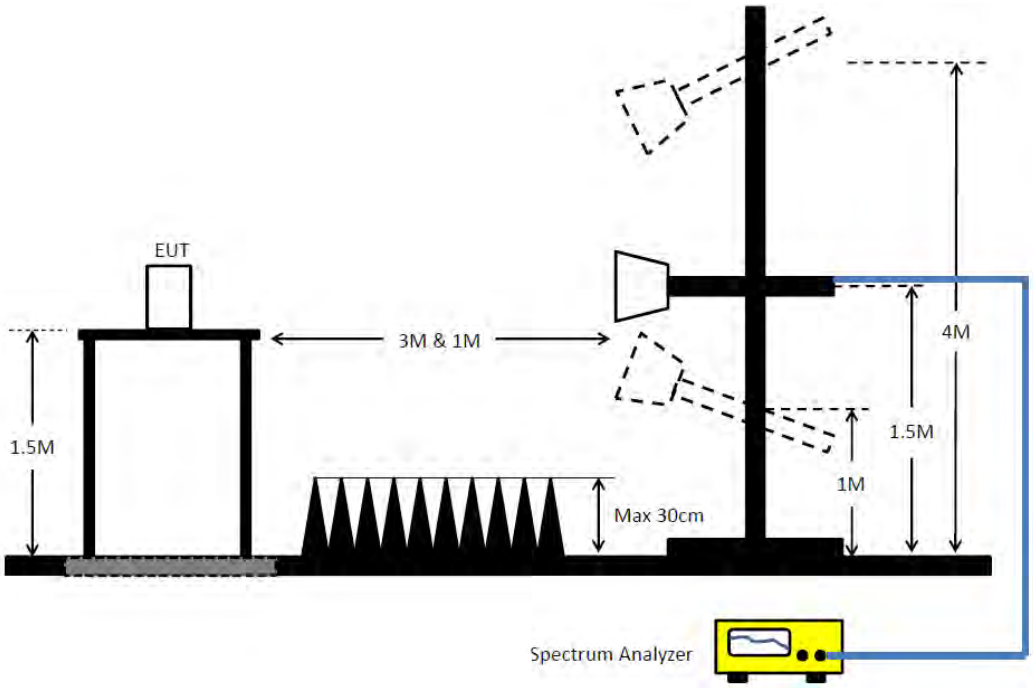
3.5.3 Test Procedures

Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 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.		
		☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).	
		☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).	
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.	
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	
		☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.	
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.			

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

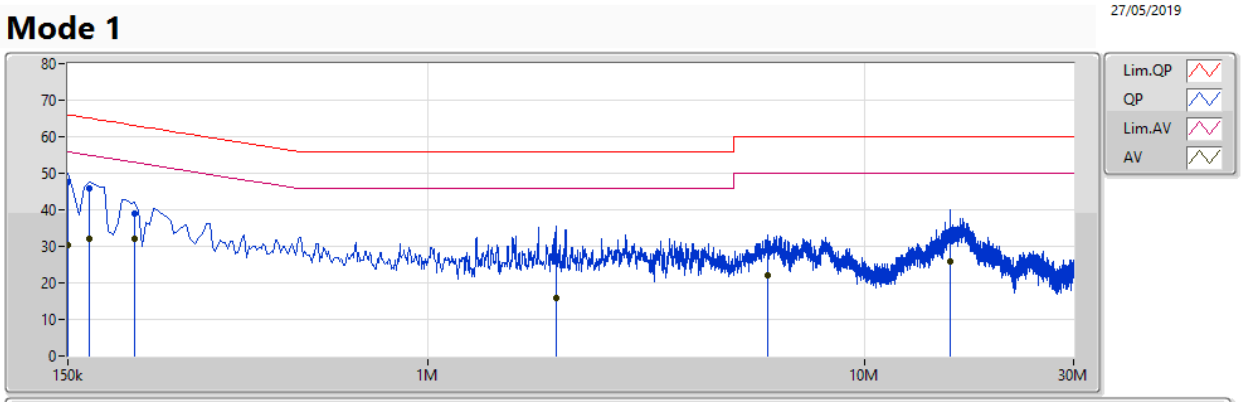
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	Jun. 13, 2018	Jun. 12, 2019	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-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

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

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

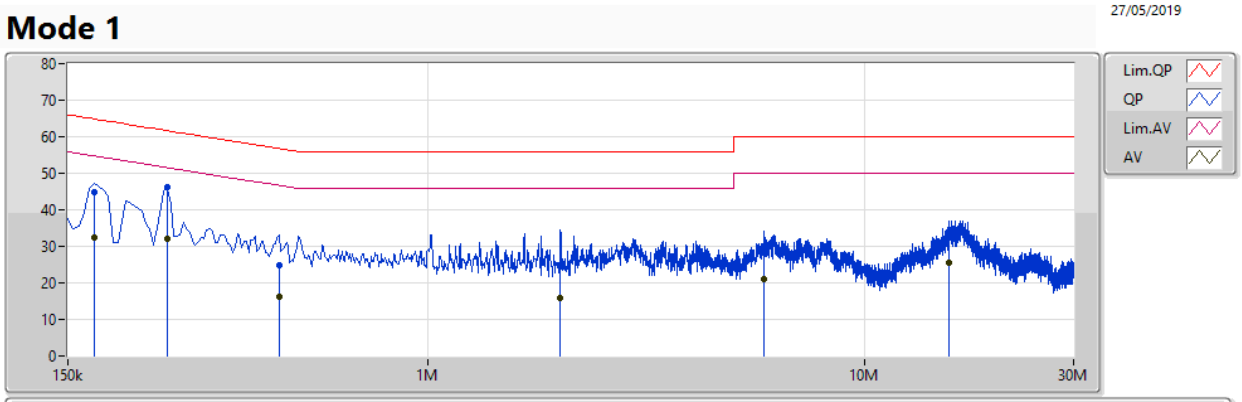
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	47.42	66.00	-18.58	10.00	Line	"Worst"	37.42	0.05	0.16	9.79
AV	150k	30.35	56.00	-25.65	10.00	Line	-	20.35	0.05	0.16	9.79
QP	168k	45.77	65.06	-19.29	9.99	Line	-	35.78	0.05	0.15	9.79
AV	168k	32.20	55.06	-22.86	9.99	Line	-	22.21	0.05	0.15	9.79
QP	213k	38.88	63.09	-24.21	9.99	Line	-	28.89	0.06	0.14	9.79
AV	213k	32.24	53.09	-20.85	9.99	Line	-	22.25	0.06	0.14	9.79
QP	1.964M	26.06	56.00	-29.94	10.15	Line	-	15.91	0.09	0.23	9.83
AV	1.964M	15.85	46.00	-30.15	10.15	Line	-	5.70	0.09	0.23	9.83
QP	5.996M	29.08	60.00	-30.92	10.16	Line	-	18.92	0.16	0.14	9.86
AV	5.996M	22.14	50.00	-27.86	10.16	Line	-	11.98	0.16	0.14	9.86
QP	15.707M	32.61	60.00	-27.39	10.41	Line	-	22.20	0.26	0.22	9.93
AV	15.707M	25.99	50.00	-24.01	10.41	Line	-	15.58	0.26	0.22	9.93

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.5k	44.95	64.83	-19.88	9.98	Neutral	-	34.97	0.04	0.15	9.79
AV	172.5k	32.25	54.83	-22.58	9.98	Neutral	-	22.27	0.04	0.15	9.79
QP	253.5k	46.10	61.64	-15.54	9.97	Neutral	"Worst"	36.13	0.04	0.13	9.80
AV	253.5k	31.94	51.64	-19.70	9.97	Neutral	-	21.97	0.04	0.13	9.80
QP	456k	24.72	56.76	-32.04	9.98	Neutral	-	14.74	0.04	0.13	9.81
AV	456k	16.30	46.76	-30.46	9.98	Neutral	-	6.32	0.04	0.13	9.81
QP	2.009M	25.00	56.00	-31.00	10.13	Neutral	-	14.87	0.07	0.23	9.83
AV	2.009M	15.81	46.00	-30.19	10.13	Neutral	-	5.68	0.07	0.23	9.83
QP	5.856M	28.29	60.00	-31.71	10.14	Neutral	-	18.15	0.14	0.14	9.86
AV	5.856M	21.11	50.00	-28.89	10.14	Neutral	-	10.97	0.14	0.14	9.86
QP	15.549M	32.54	60.00	-27.46	10.38	Neutral	-	22.16	0.23	0.22	9.93
AV	15.549M	25.59	50.00	-24.41	10.38	Neutral	-	15.21	0.23	0.22	9.93

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	28.75M	16.692M	16M7D1D	23.45M	16.517M
802.11ac VHT20_Nss1,(MCS0)_4TX	35.35M	17.841M	17M8D1D	24.4M	17.691M
802.11ac VHT40_Nss1,(MCS0)_4TX	88.4M	38.781M	38M8D1D	44.75M	36.082M
802.11ac VHT80_Nss1,(MCS0)_4TX	88.6M	74.963M	75M0D1D	84.8M	74.763M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	31.034M	31M0D1D	15.775M	20.065M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.575M	32.534M	32M5D1D	16.775M	20.59M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.3M	62.669M	62M7D1D	35.05M	37.581M
802.11ac VHT80_Nss1,(MCS0)_4TX	75.1M	75.262M	75M3D1D	75M	75.062M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

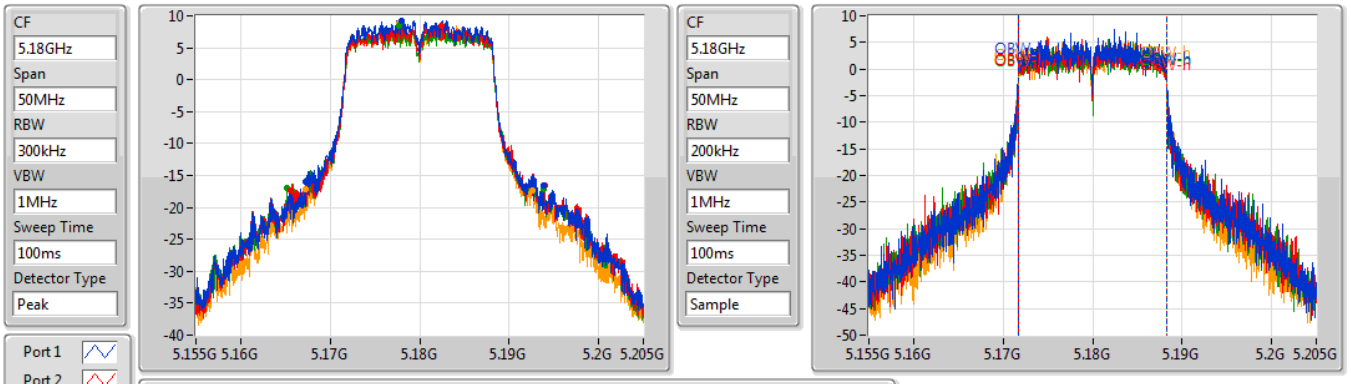
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	26.475M	16.592M	28.35M	16.592M	28.75M	16.692M	25.45M	16.592M
5200MHz	Pass	Inf	25.775M	16.567M	28.525M	16.617M	25.825M	16.642M	24.725M	16.592M
5240MHz	Pass	Inf	24.725M	16.517M	26.075M	16.592M	27.125M	16.592M	23.45M	16.567M
5745MHz	Pass	500k	16.325M	23.563M	16.3M	30.685M	16.325M	30.06M	15.775M	20.065M
5785MHz	Pass	500k	16.325M	23.913M	16.35M	30.71M	16.3M	29.76M	15.925M	21.589M
5825MHz	Pass	500k	16.325M	24.463M	16.3M	31.034M	16.325M	29.735M	16.3M	21.564M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	29M	17.716M	30.975M	17.841M	35.35M	17.816M	28.075M	17.766M
5200MHz	Pass	Inf	25.65M	17.766M	26.65M	17.791M	28.15M	17.791M	25.95M	17.791M
5240MHz	Pass	Inf	24.4M	17.691M	27.75M	17.766M	29.875M	17.816M	25.85M	17.766M
5745MHz	Pass	500k	17.55M	24.763M	17.55M	32.534M	17.525M	30.76M	16.775M	20.59M
5785MHz	Pass	500k	17.525M	24.988M	17.55M	32.384M	17.575M	30.36M	17.475M	22.989M
5825MHz	Pass	500k	17.525M	25.887M	17.575M	32.259M	17.575M	30.76M	17.15M	22.164M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.75M	36.282M	45.9M	36.132M	45.3M	36.182M	46.55M	36.082M
5230MHz	Pass	Inf	87.15M	37.431M	88.4M	38.781M	80.75M	37.631M	80.7M	36.482M
5755MHz	Pass	500k	35.65M	42.779M	35.05M	56.972M	36.05M	55.822M	35.2M	37.581M
5795MHz	Pass	500k	36.3M	49.125M	35.45M	61.469M	35.45M	62.669M	35.7M	41.329M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	84.8M	74.863M	85.5M	74.863M	86.8M	74.963M	88.6M	74.763M
5775MHz	Pass	500k	75.1M	75.062M	75M	75.262M	75M	75.262M	75.1M	75.262M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

08/05/2019

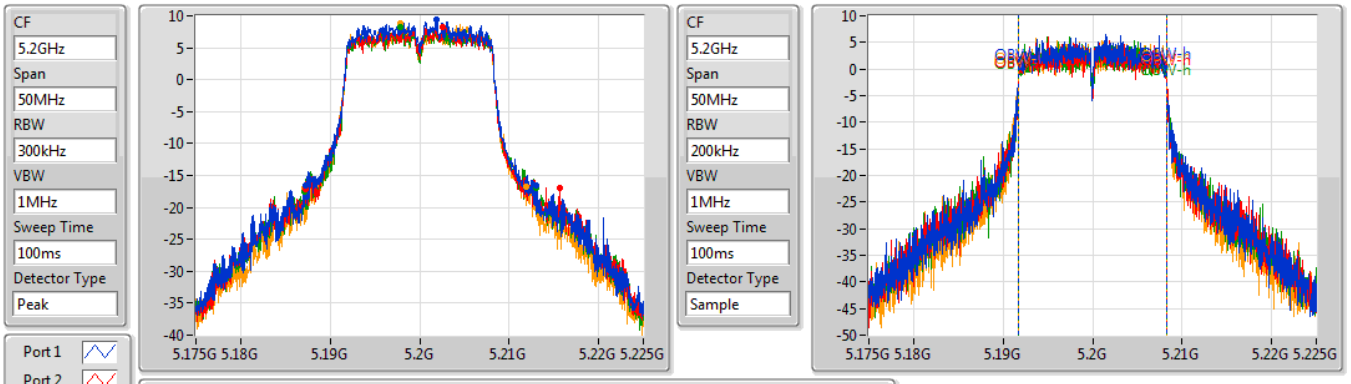


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.475M	5.167325G	5.1938G	16.592M	5.171679G	5.188271G	Inf	1
28.35M	5.1656G	5.19395G	16.592M	5.171704G	5.188296G	Inf	2
28.75M	5.1651G	5.19385G	16.692M	5.171654G	5.188346G	Inf	3
25.45M	5.1672G	5.19265G	16.592M	5.171679G	5.188271G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

08/05/2019

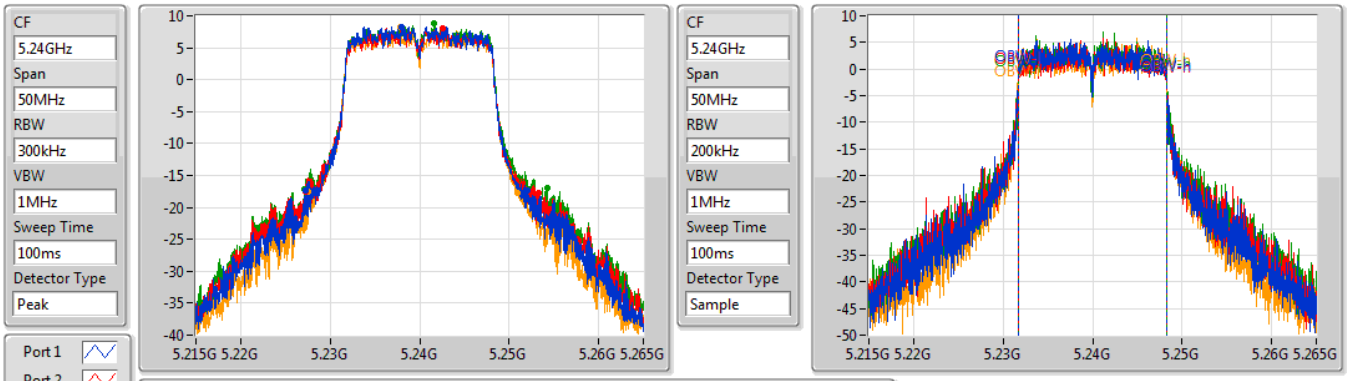


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.775M	5.18725G	5.213025G	16.567M	5.191704G	5.208271G	Inf	1
28.525M	5.1872G	5.215725G	16.617M	5.191679G	5.208296G	Inf	2
25.825M	5.187175G	5.213G	16.642M	5.191679G	5.208321G	Inf	3
24.725M	5.18715G	5.211875G	16.592M	5.191704G	5.208296G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

08/05/2019

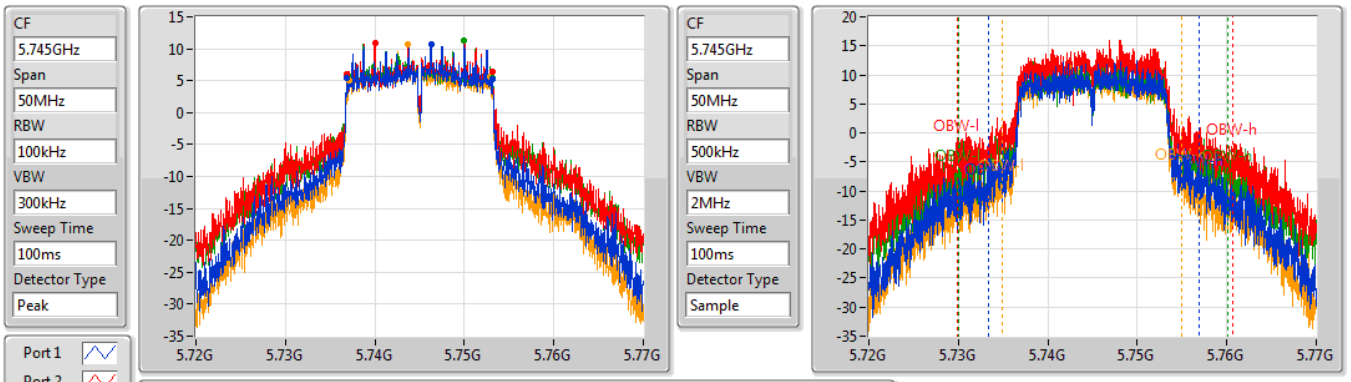


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.725M	5.227325G	5.25205G	16.517M	5.231729G	5.248246G	Inf	1
26.075M	5.2272G	5.253275G	16.592M	5.231679G	5.248271G	Inf	2
27.125M	5.22715G	5.254275G	16.592M	5.231704G	5.248296G	Inf	3
23.45M	5.22755G	5.251G	16.567M	5.231679G	5.248246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

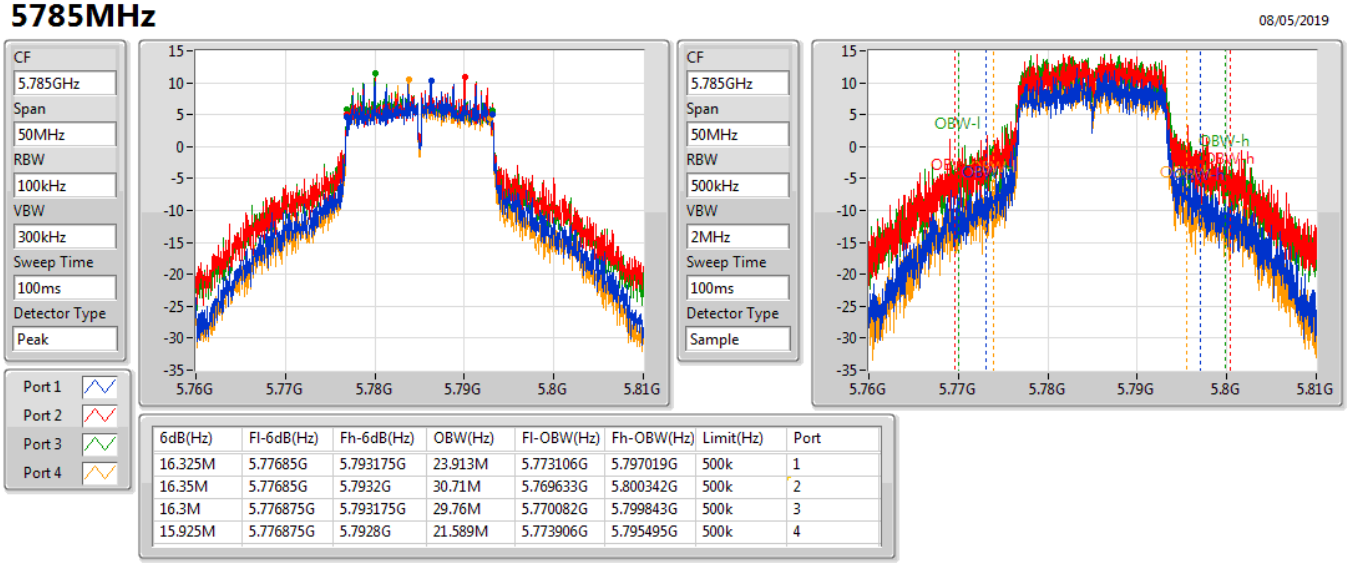
08/05/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.73685G	5.753175G	23.563M	5.733356G	5.756919G	500k	1
16.3M	5.73685G	5.75315G	30.685M	5.729933G	5.760617G	500k	2
16.325M	5.73685G	5.753175G	30.06M	5.730082G	5.760142G	500k	3
15.775M	5.737125G	5.7529G	20.065M	5.734855G	5.75492G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

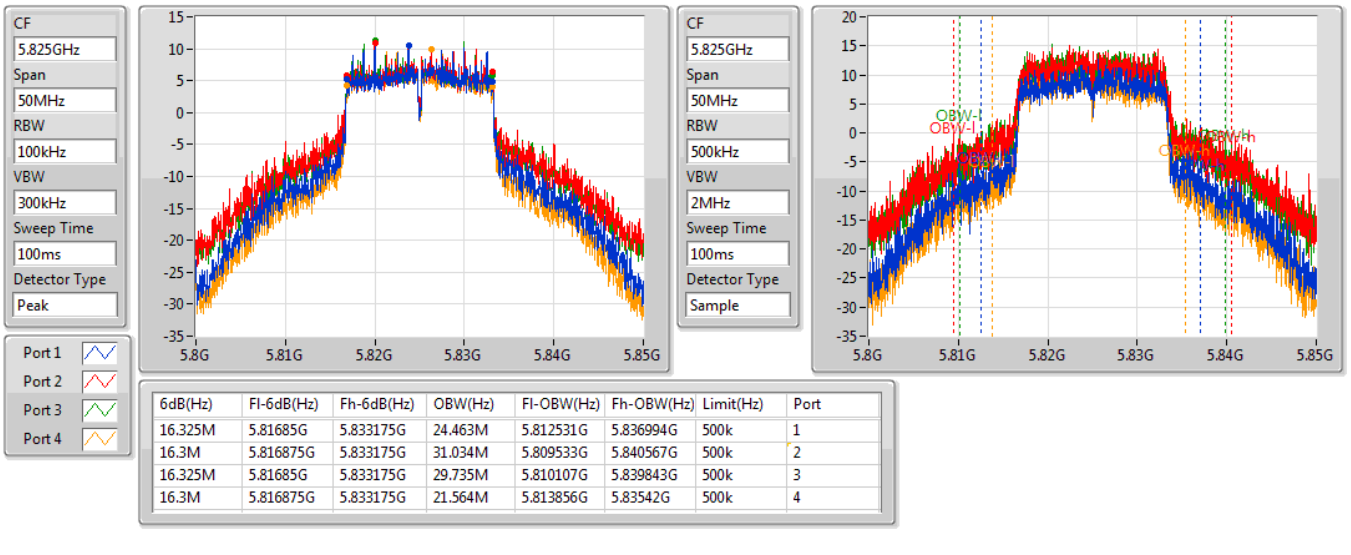
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.77685G	5.793175G	23.913M	5.773106G	5.797019G	500k	1
16.35M	5.77685G	5.7932G	30.71M	5.769633G	5.800342G	500k	2
16.3M	5.776875G	5.793175G	29.76M	5.770082G	5.799843G	500k	3
15.925M	5.776875G	5.7928G	21.589M	5.773906G	5.795495G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

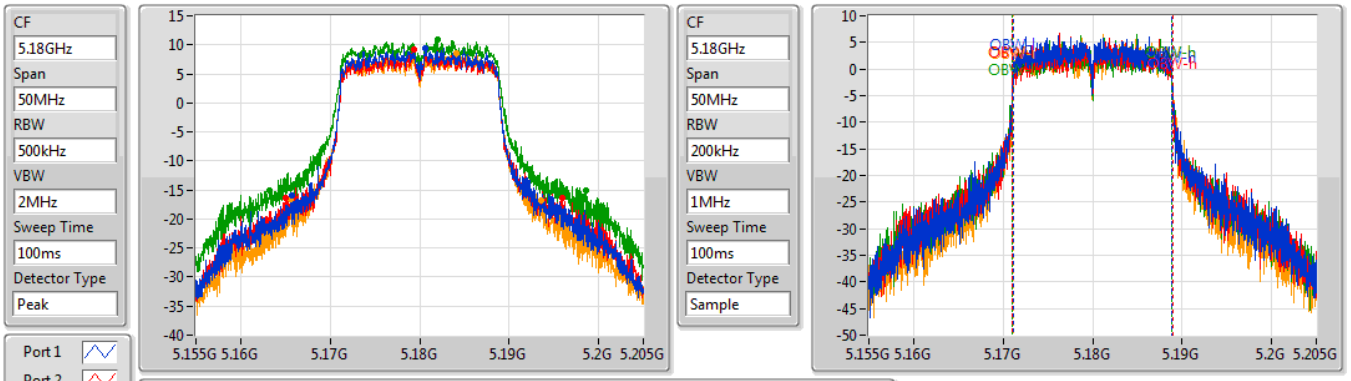


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.81685G	5.833175G	24.463M	5.812531G	5.836994G	500k	1
16.3M	5.816875G	5.833175G	31.034M	5.809533G	5.840567G	500k	2
16.325M	5.81685G	5.833175G	29.735M	5.810107G	5.839843G	500k	3
16.3M	5.816875G	5.833175G	21.564M	5.813856G	5.83542G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

08/05/2019

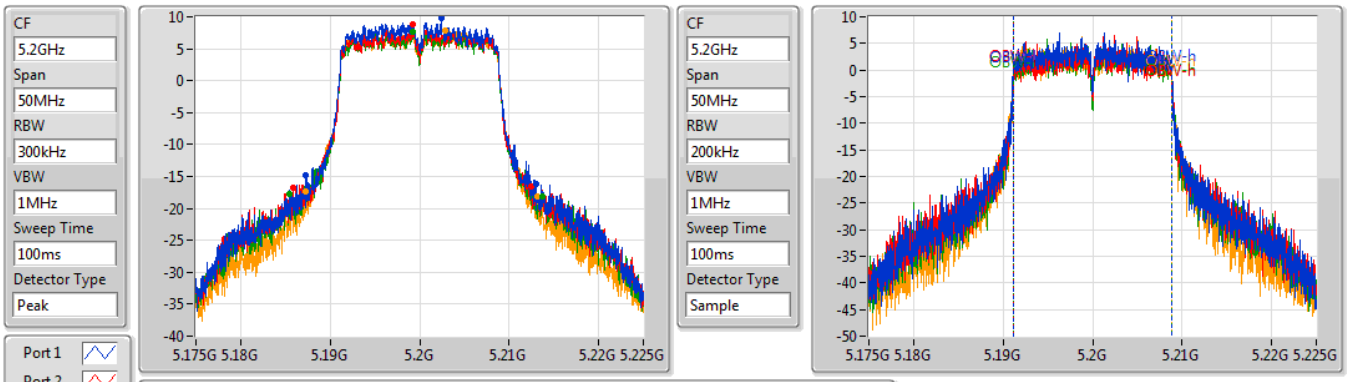


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29M	5.16575G	5.19475G	17.716M	5.171154G	5.188871G	Inf	1
30.975M	5.164975G	5.19595G	17.841M	5.171079G	5.188921G	Inf	2
35.35M	5.163225G	5.198575G	17.816M	5.171079G	5.188896G	Inf	3
28.075M	5.165525G	5.1936G	17.766M	5.171129G	5.188896G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

08/05/2019

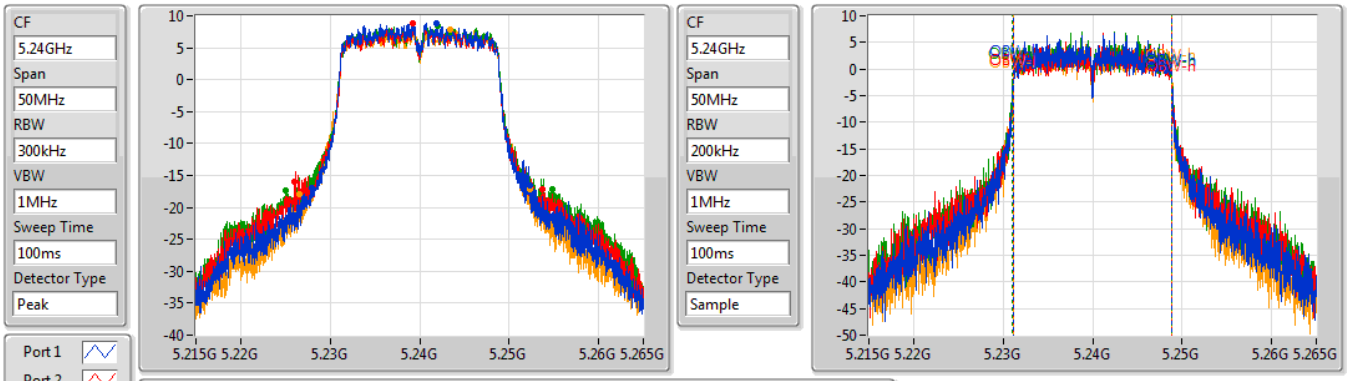


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.65M	5.187325G	5.212975G	17.766M	5.191104G	5.208871G	Inf	1
26.65M	5.1858G	5.21245G	17.791M	5.191104G	5.208896G	Inf	2
28.15M	5.1855G	5.21365G	17.791M	5.191104G	5.208896G	Inf	3
25.95M	5.1872G	5.21315G	17.791M	5.191104G	5.208896G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

08/05/2019

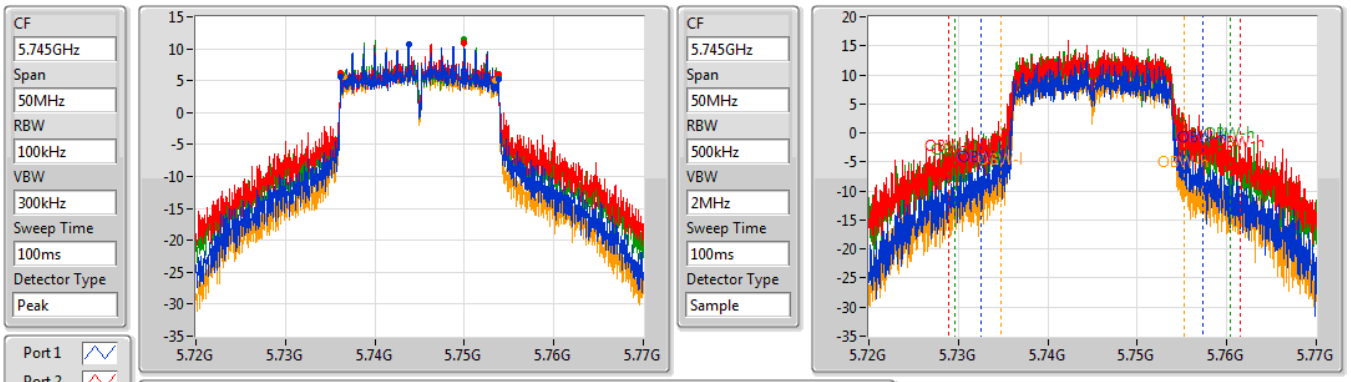


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.4M	5.227925G	5.252325G	17.691M	5.231154G	5.248846G	Inf	1
27.75M	5.225975G	5.253725G	17.766M	5.231104G	5.248871G	Inf	2
29.875M	5.225G	5.254875G	17.816M	5.231079G	5.248896G	Inf	3
25.85M	5.2265G	5.25235G	17.766M	5.231104G	5.248871G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

08/05/2019

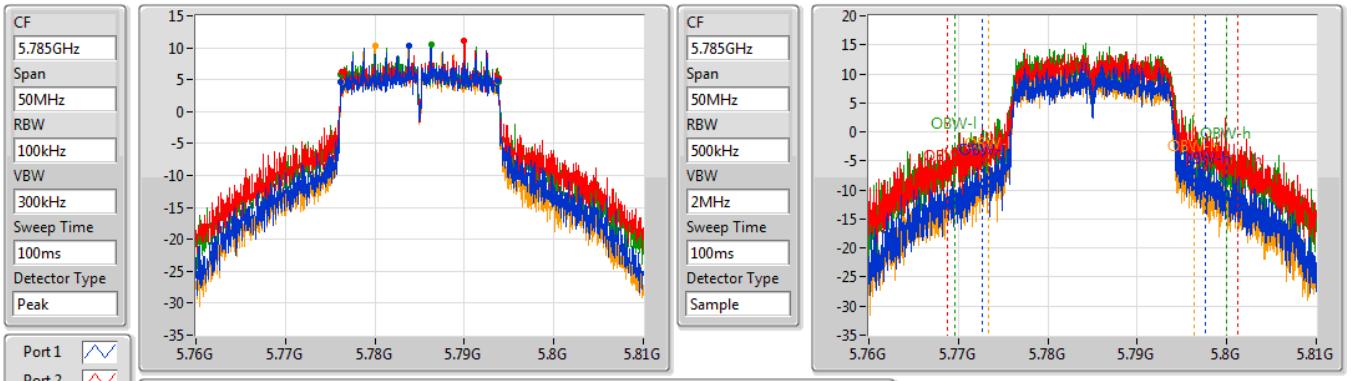


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.736225G	5.753775G	24.763M	5.732556G	5.757319G	500k	1
17.55M	5.736225G	5.753775G	32.534M	5.728908G	5.761442G	500k	2
17.525M	5.73625G	5.753775G	30.76M	5.729633G	5.760392G	500k	3
16.775M	5.7366G	5.753375G	20.59M	5.734705G	5.755295G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

08/05/2019

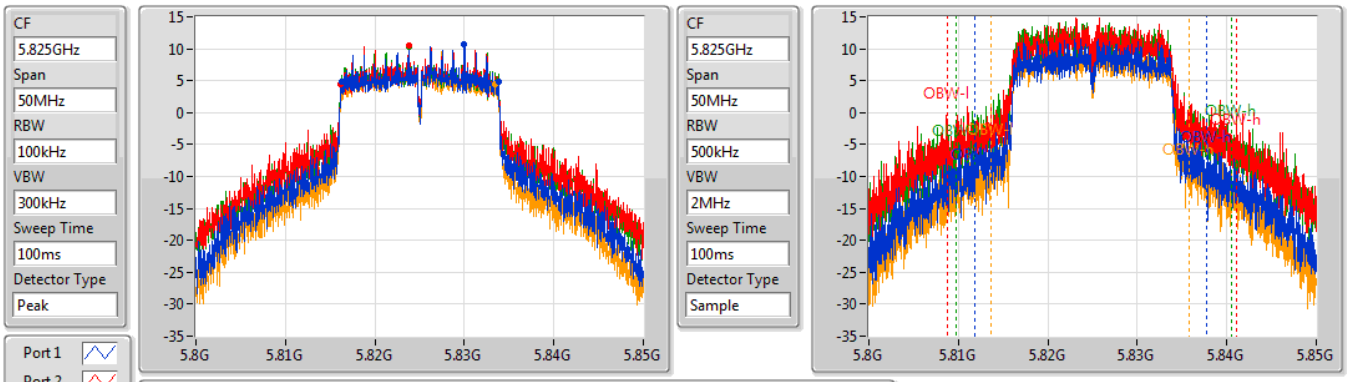


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.776225G	5.79375G	24.988M	5.772606G	5.797594G	500k	1
17.55M	5.77625G	5.7938G	32.384M	5.768808G	5.801192G	500k	2
17.575M	5.776225G	5.7938G	30.36M	5.769608G	5.799968G	500k	3
17.475M	5.776275G	5.79375G	22.989M	5.773306G	5.796294G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

08/05/2019

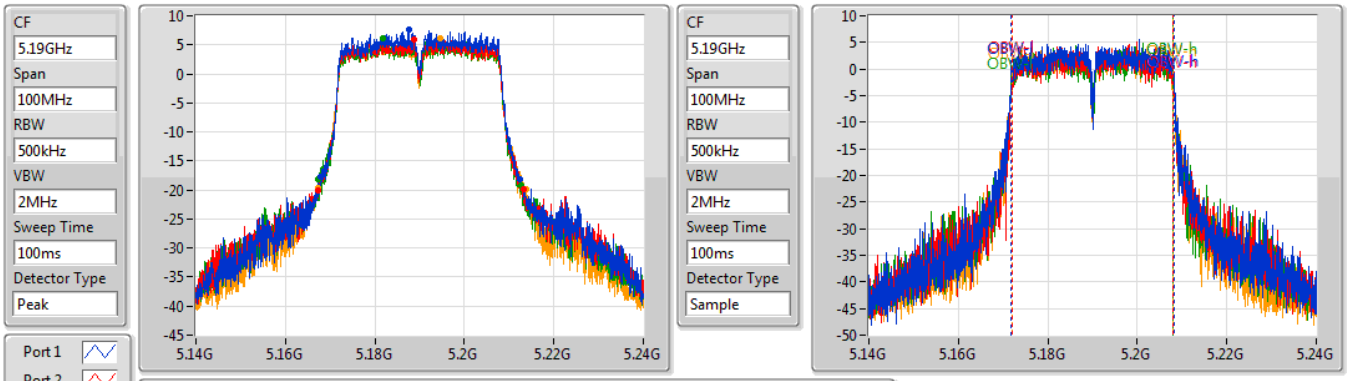


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.81625G	5.833775G	25.887M	5.811882G	5.837769G	500k	1
17.575M	5.816225G	5.8338G	32.259M	5.808833G	5.841092G	500k	2
17.575M	5.816225G	5.8338G	30.76M	5.809708G	5.840467G	500k	3
17.15M	5.816225G	5.833375G	22.164M	5.813656G	5.83582G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

08/05/2019

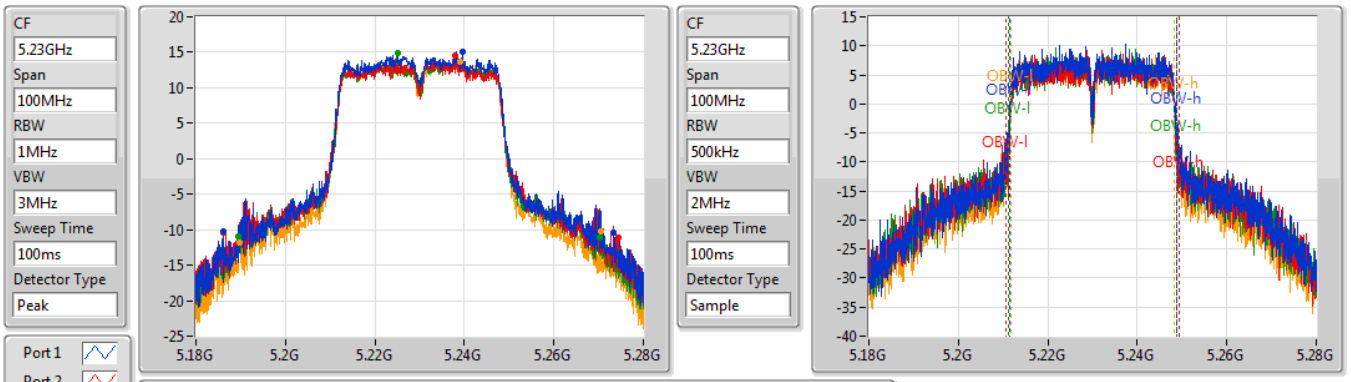


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.75M	5.1678G	5.21255G	36.282M	5.171859G	5.208141G	Inf	1
45.9M	5.16725G	5.21315G	36.132M	5.171959G	5.208091G	Inf	2
45.3M	5.16735G	5.21265G	36.182M	5.171859G	5.208041G	Inf	3
46.55M	5.1672G	5.21375G	36.082M	5.171959G	5.208041G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

08/05/2019

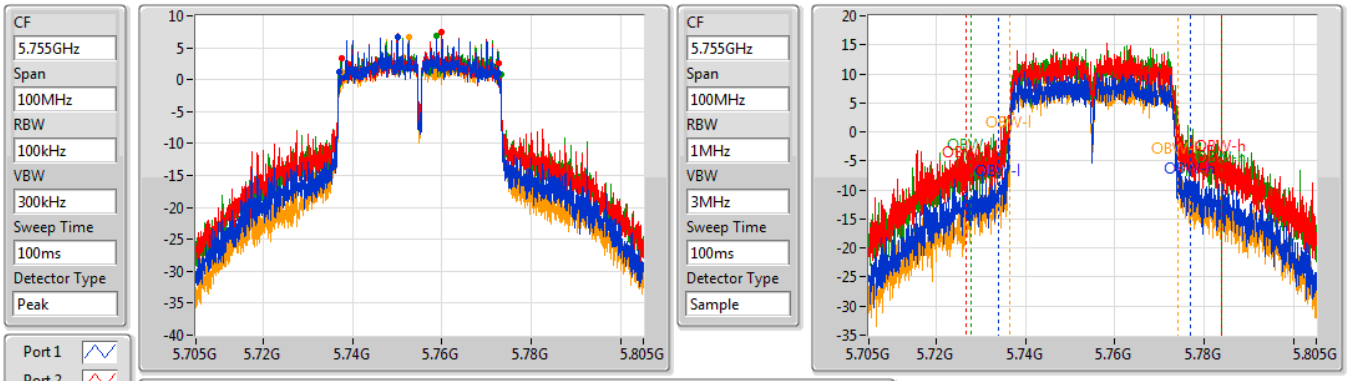


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
87.15M	5.18625G	5.2734G	37.431M	5.211509G	5.248941G	Inf	1
88.4M	5.1861G	5.2745G	38.781M	5.21051G	5.24929G	Inf	2
80.75M	5.18955G	5.2703G	37.631M	5.211259G	5.248891G	Inf	3
80.7M	5.18975G	5.27045G	36.482M	5.211759G	5.248241G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

08/05/2019

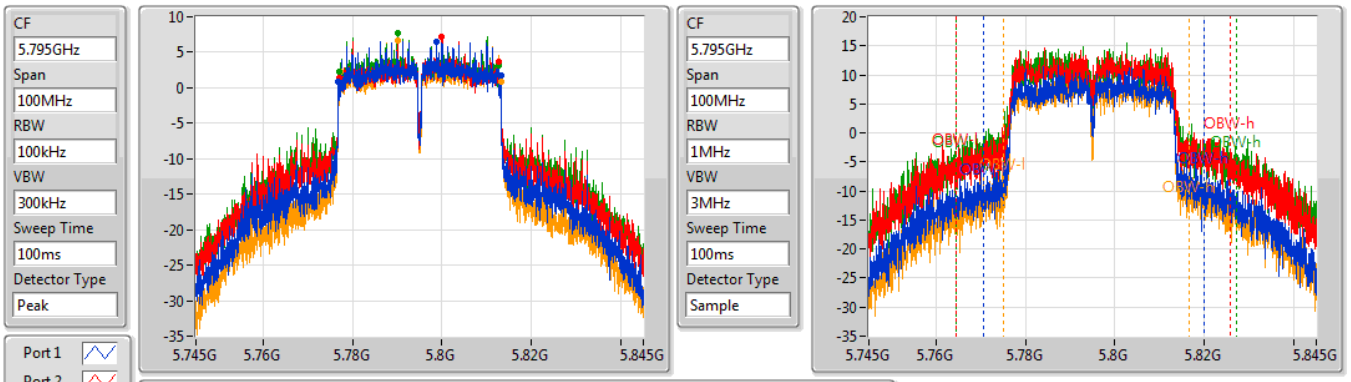


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.65M	5.7371G	5.77275G	42.779M	5.73401G	5.776789G	500k	1
35.05M	5.7375G	5.77255G	56.972M	5.726814G	5.783786G	500k	2
36.05M	5.7371G	5.77315G	55.822M	5.727964G	5.783786G	500k	3
35.2M	5.7375G	5.7727G	37.581M	5.736509G	5.77409G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

08/05/2019

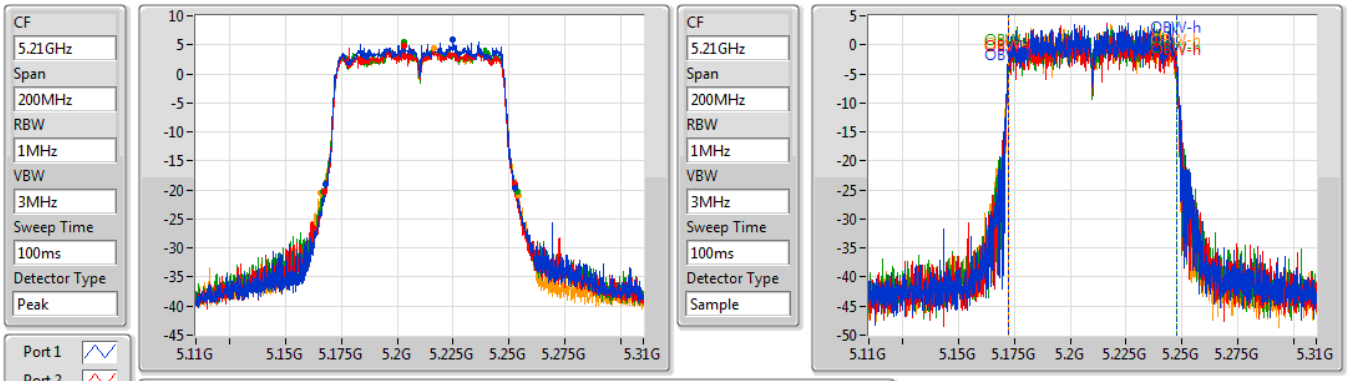


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	49.125M	5.770712G	5.819838G	500k	1
35.45M	5.7771G	5.81255G	61.469M	5.764365G	5.825835G	500k	2
35.45M	5.7771G	5.81255G	62.669M	5.764415G	5.827084G	500k	3
35.7M	5.77745G	5.81315G	41.329M	5.77516G	5.816489G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

08/05/2019

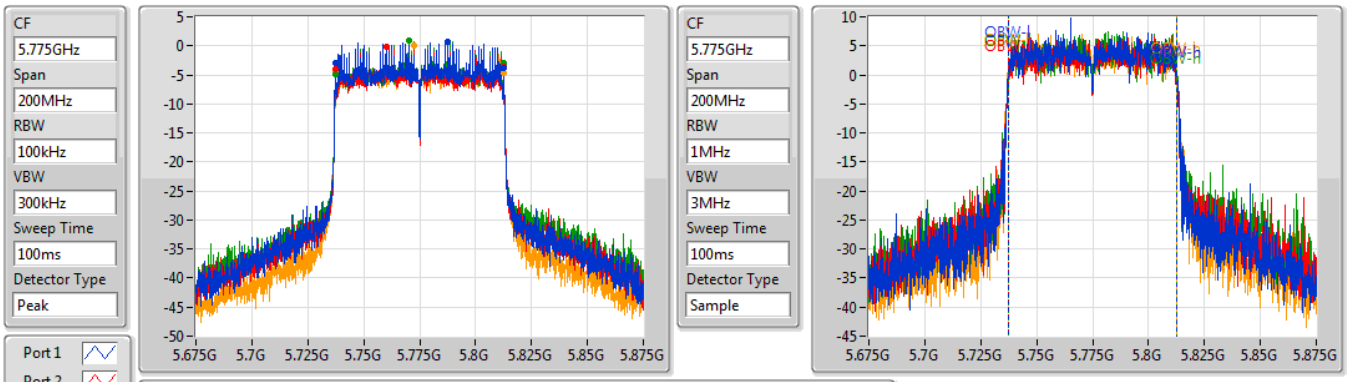


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.8M	5.1679G	5.2527G	74.863M	5.172619G	5.247481G	Inf	1
85.5M	5.1673G	5.2528G	74.863M	5.172619G	5.247481G	Inf	2
86.8M	5.1667G	5.2535G	74.963M	5.172519G	5.247481G	Inf	3
88.6M	5.1659G	5.2545G	74.763M	5.172619G	5.247381G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

08/05/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.1M	5.7375G	5.8126G	75.062M	5.737419G	5.812481G	500k	1
75M	5.7375G	5.8125G	75.262M	5.737319G	5.812581G	500k	2
75M	5.7375G	5.8125G	75.262M	5.737319G	5.812581G	500k	3
75.1M	5.7375G	5.8126G	75.262M	5.737319G	5.812581G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.42	0.21979
802.11ac VHT20_Nss1,(MCS0)_4TX	23.64	0.23121
802.11ac VHT40_Nss1,(MCS0)_4TX	25.90	0.38905
802.11ac VHT80_Nss1,(MCS0)_4TX	19.42	0.08750
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	28.25	0.66834
802.11ac VHT20_Nss1,(MCS0)_4TX	28.28	0.67298
802.11ac VHT40_Nss1,(MCS0)_4TX	27.73	0.59293
802.11ac VHT80_Nss1,(MCS0)_4TX	23.20	0.20893

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.10	18.01	17.02	16.93	17.17	23.32	28.90
5200MHz	Pass	7.10	17.93	17.10	17.13	17.37	23.42	28.90
5240MHz	Pass	7.10	17.32	16.95	17.44	16.83	23.16	28.90
5745MHz	Pass	7.10	22.17	22.39	22.42	21.92	28.25	28.90
5785MHz	Pass	7.10	21.67	21.96	22.13	21.56	27.86	28.90
5825MHz	Pass	7.10	21.92	22.27	22.35	21.61	28.07	28.90
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.10	18.34	17.51	17.19	17.36	23.64	28.90
5200MHz	Pass	7.10	18.08	17.25	16.98	17.19	23.42	28.90
5240MHz	Pass	7.10	17.65	17.24	17.73	17.15	23.47	28.90
5745MHz	Pass	7.10	22.33	22.40	22.29	22.01	28.28	28.90
5785MHz	Pass	7.10	21.85	21.93	22.12	21.34	27.84	28.90
5825MHz	Pass	7.10	21.96	22.17	22.28	21.62	28.04	28.90
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.10	16.44	15.46	15.22	15.29	21.65	28.90
5230MHz	Pass	7.10	20.40	19.59	19.64	19.83	25.90	28.90
5755MHz	Pass	7.10	21.34	21.56	21.78	21.15	27.48	28.90
5795MHz	Pass	7.10	21.79	21.64	22.06	21.31	27.73	28.90
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.10	13.89	13.12	13.21	13.35	19.42	28.90
5775MHz	Pass	7.10	17.22	16.96	17.49	17.03	23.20	28.90

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.26
802.11ac VHT20_Nss1,(MCS0)_4TX	10.25
802.11ac VHT40_Nss1,(MCS0)_4TX	9.61
802.11ac VHT80_Nss1,(MCS0)_4TX	0.19
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	13.48
802.11ac VHT20_Nss1,(MCS0)_4TX	13.27
802.11ac VHT40_Nss1,(MCS0)_4TX	9.87
802.11ac VHT80_Nss1,(MCS0)_4TX	2.80

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

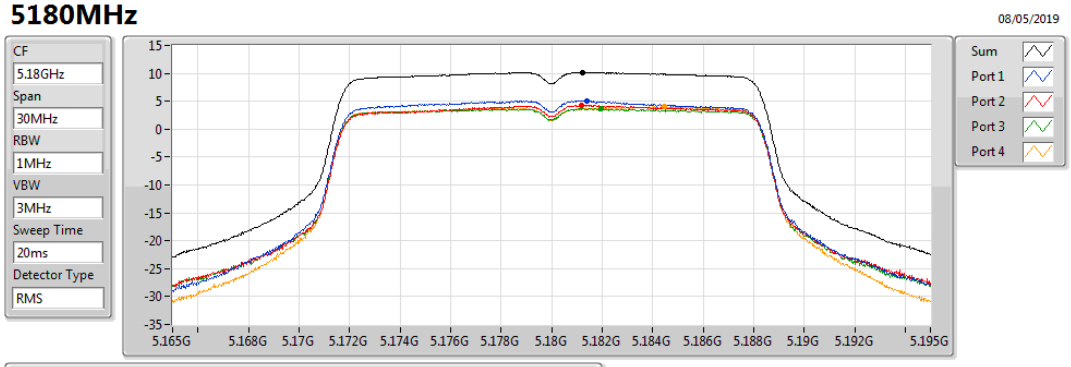
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.73	5.05	4.25	3.65	4.12	10.17	10.27
5200MHz	Pass	12.73	5.07	4.10	3.96	4.19	10.26	10.27
5240MHz	Pass	12.73	4.49	3.96	4.28	3.53	10.02	10.27
5745MHz	Pass	12.73	7.70	7.65	7.52	7.50	13.46	23.27
5785MHz	Pass	12.73	7.35	7.46	7.66	7.36	13.37	23.27
5825MHz	Pass	12.73	7.43	7.66	7.64	7.32	13.48	23.27
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.73	5.18	4.34	3.84	3.97	10.25	10.27
5200MHz	Pass	12.73	5.10	4.03	3.62	3.82	10.07	10.27
5240MHz	Pass	12.73	4.43	4.11	4.42	3.64	10.01	10.27
5745MHz	Pass	12.73	7.55	7.54	7.27	7.23	13.27	23.27
5785MHz	Pass	12.73	7.14	7.26	7.39	7.02	13.05	23.27
5825MHz	Pass	12.73	7.11	7.27	7.23	6.83	13.03	23.27
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.73	-0.06	-0.78	-0.95	-0.62	5.26	10.27
5230MHz	Pass	12.73	4.29	3.41	3.52	3.80	9.61	10.27
5755MHz	Pass	12.73	3.72	3.87	3.92	3.73	9.56	23.27
5795MHz	Pass	12.73	4.06	4.01	4.39	3.91	9.87	23.27
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.73	-4.97	-6.00	-5.85	-5.59	0.19	10.27
5775MHz	Pass	12.73	-2.96	-3.47	-2.19	-3.46	2.80	23.27

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)_4TX **PSD**

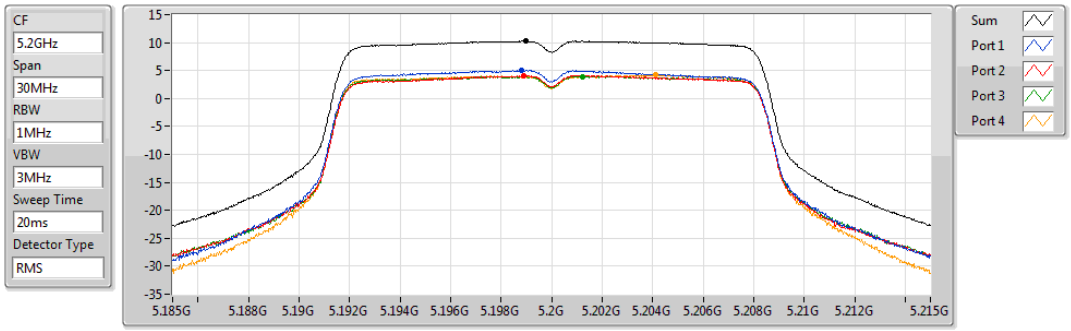
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.17	10.17	5.05	4.25	3.65	4.12

802.11a_Nss1,(6Mbps)_4TX **PSD**

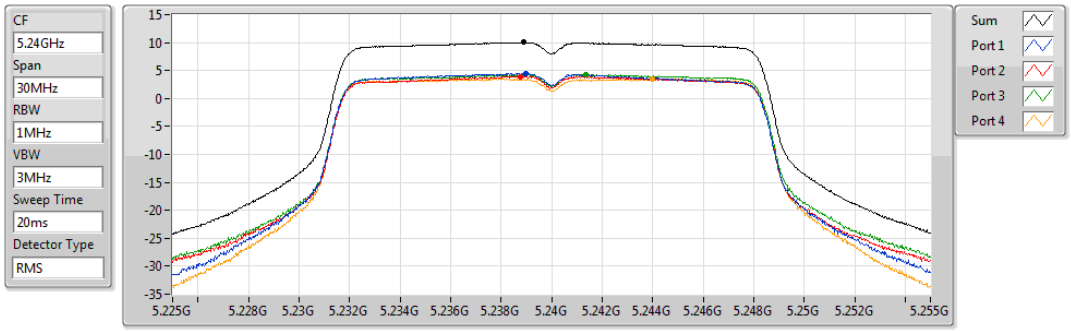
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.26	10.26	5.07	4.10	3.96	4.19

802.11a_Nss1,(6Mbps)_4TX **PSD**

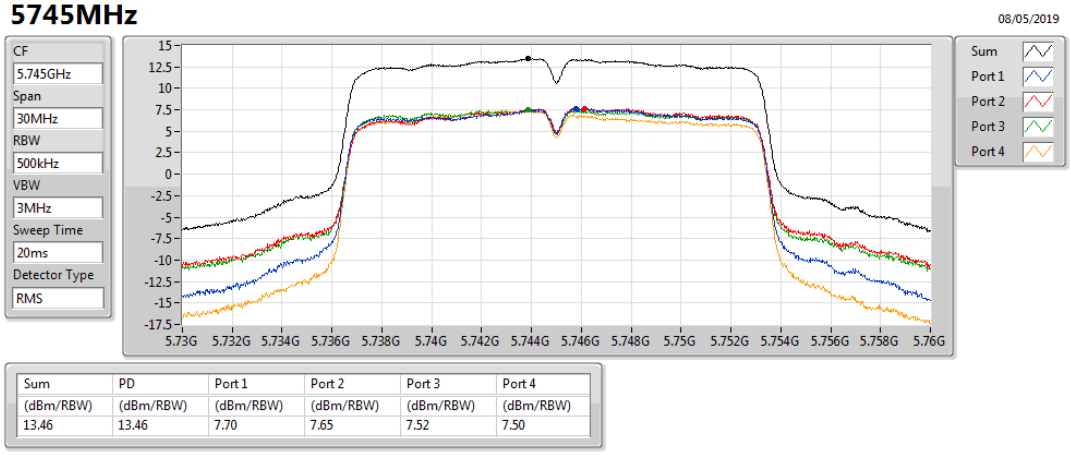
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.02	10.02	4.49	3.96	4.28	3.53

802.11a_Nss1,(6Mbps)_4TX PSD

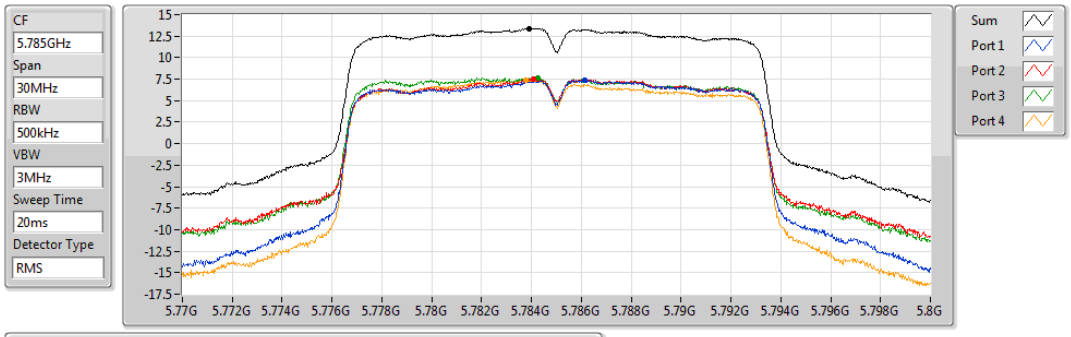
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.46	13.46	7.70	7.65	7.52	7.50

802.11a_Nss1,(6Mbps)_4TX PSD

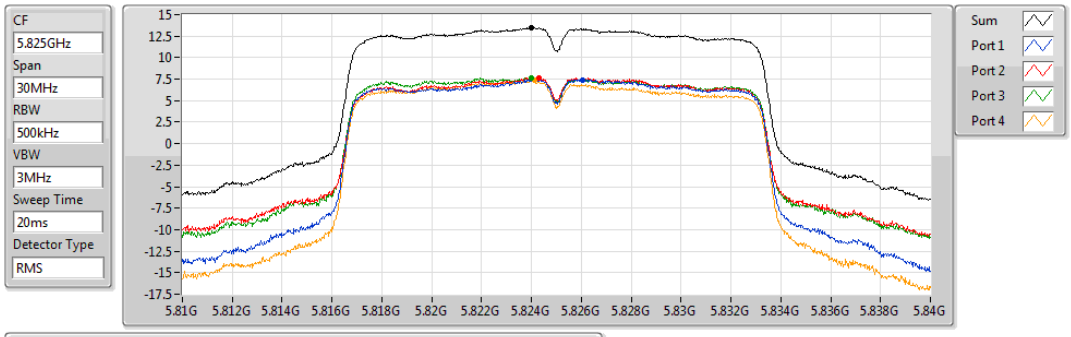
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.37	13.37	7.35	7.46	7.66	7.36

802.11a_Nss1,(6Mbps)_4TX PSD

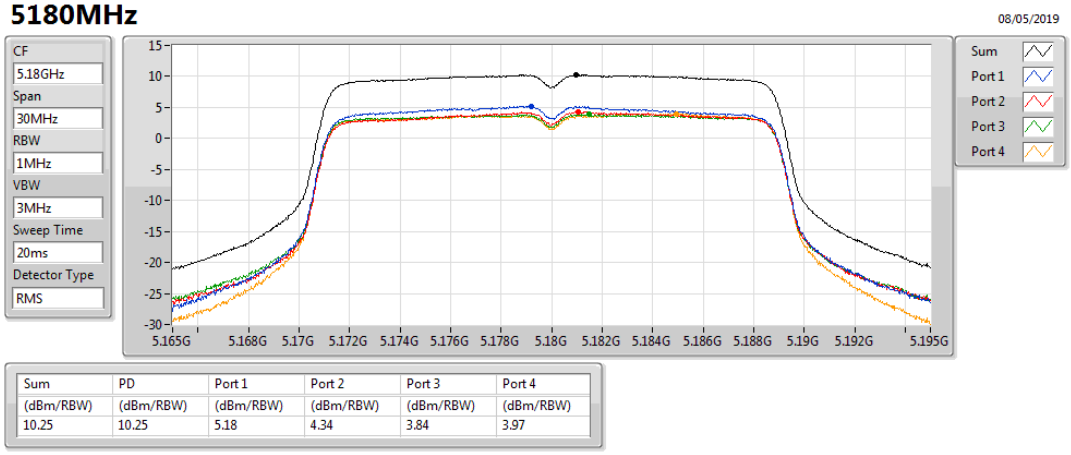
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.48	13.48	7.43	7.66	7.64	7.32

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

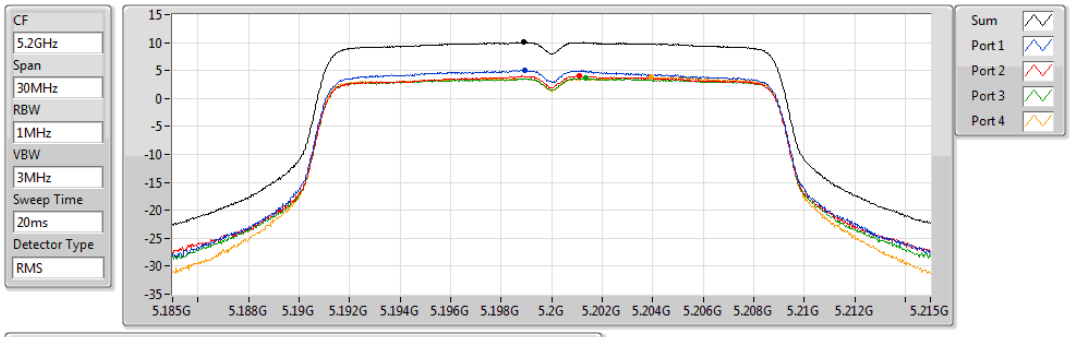
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.25	10.25	5.18	4.34	3.84	3.97

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

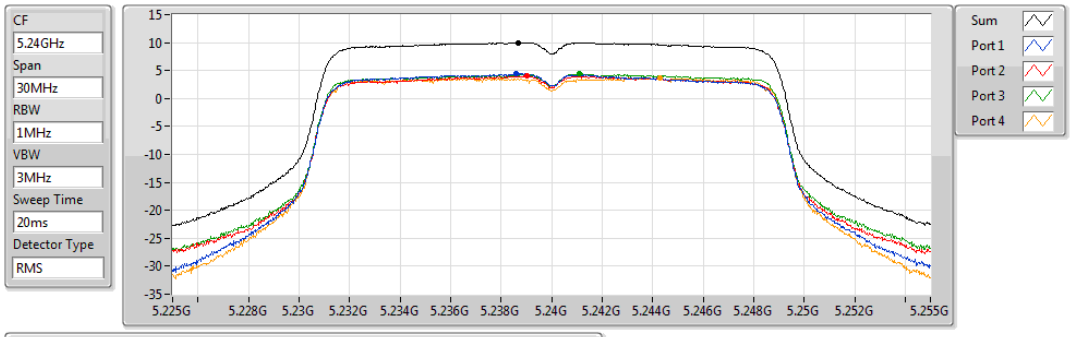
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.07	10.07	5.10	4.03	3.62	3.82

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

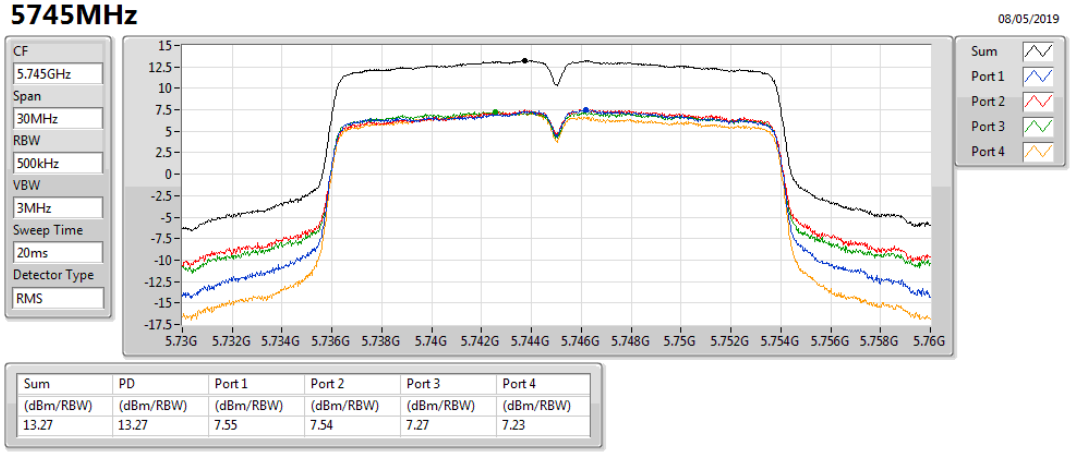
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.01	10.01	4.43	4.11	4.42	3.64

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

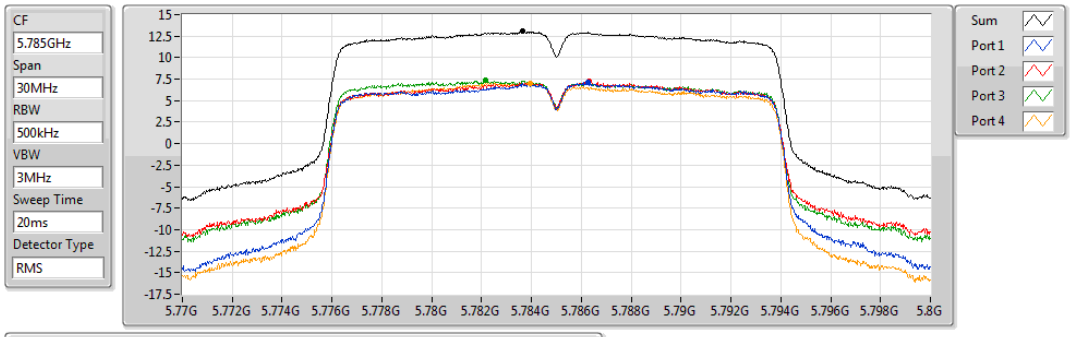
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.27	13.27	7.55	7.54	7.27	7.23

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

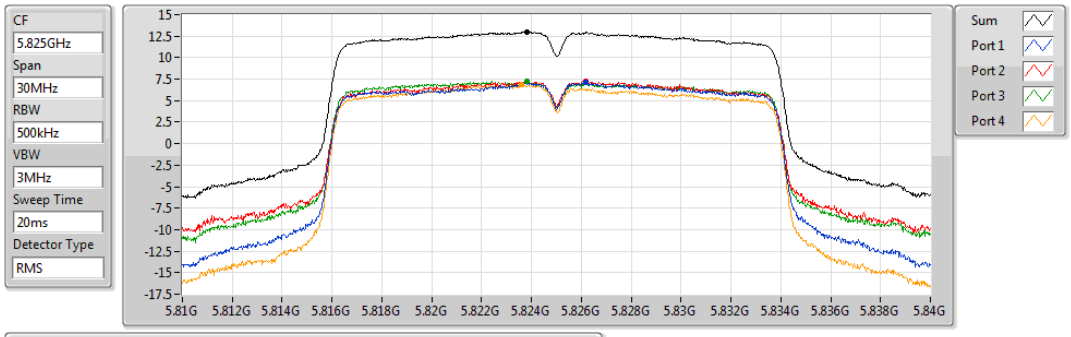
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.05	13.05	7.14	7.26	7.39	7.02

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

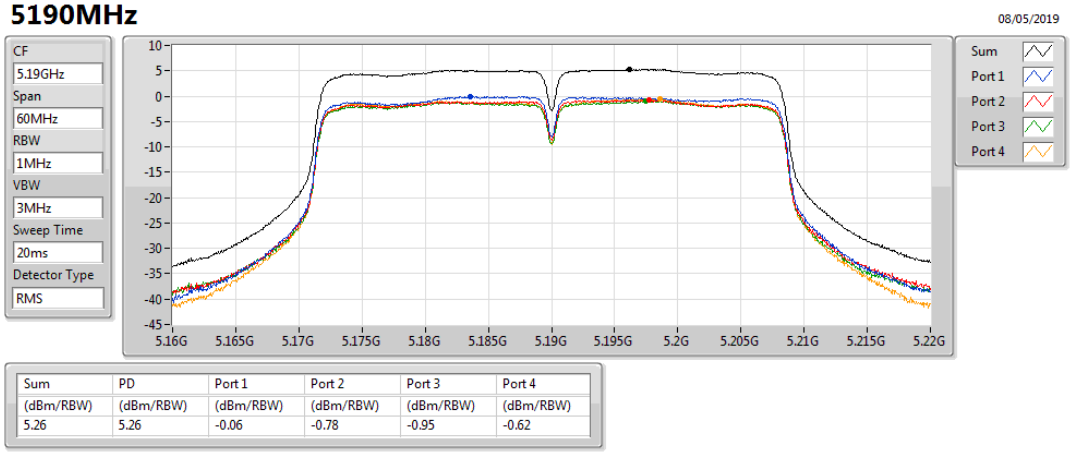
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.03	13.03	7.11	7.27	7.23	6.83

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

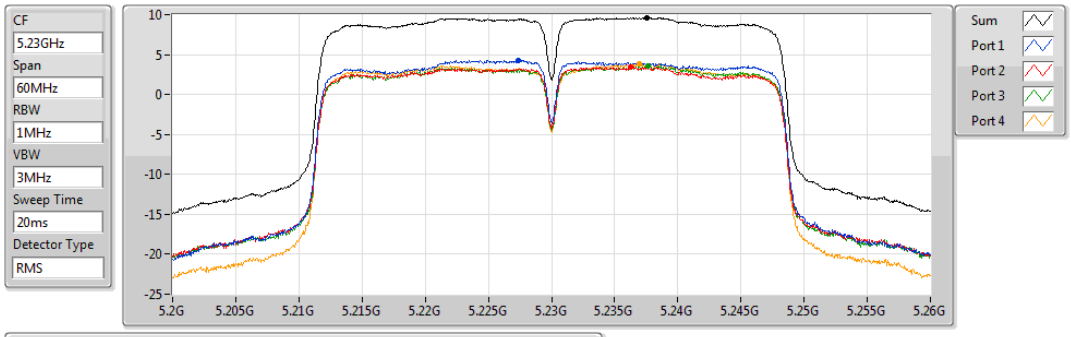
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.26	5.26	-0.06	-0.78	-0.95	-0.62

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

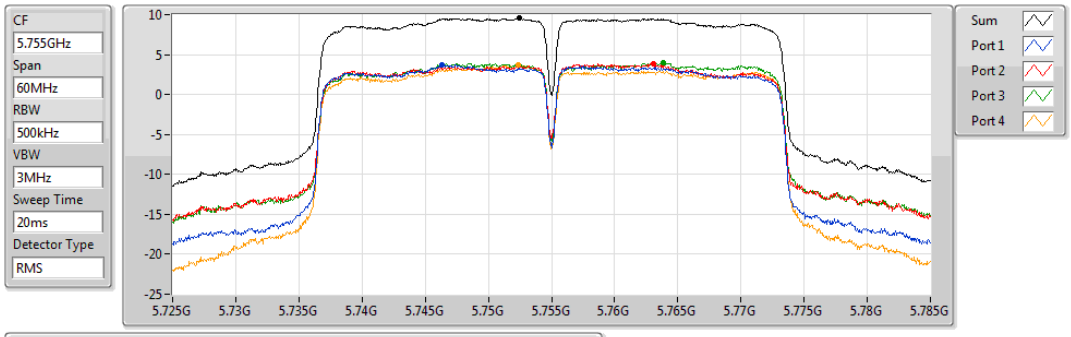
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.61	9.61	4.29	3.41	3.52	3.80

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

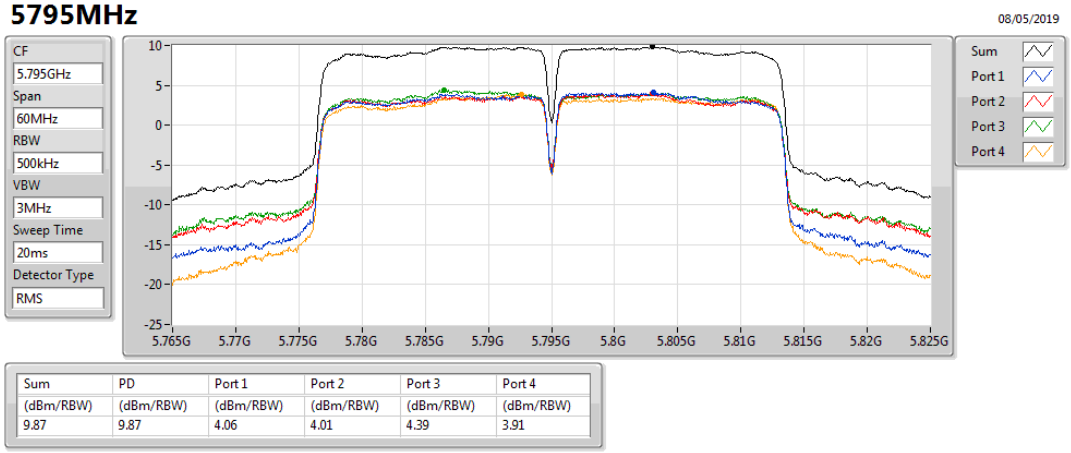
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.56	9.56	3.72	3.87	3.92	3.73

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

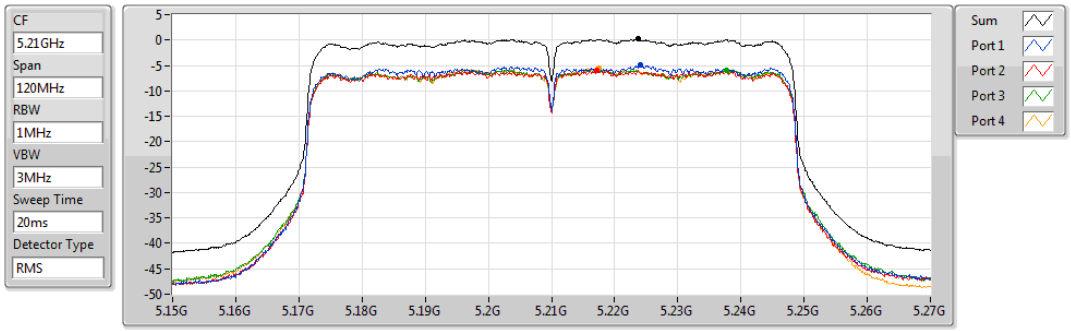
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.87	9.87	4.06	4.01	4.39	3.91

802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

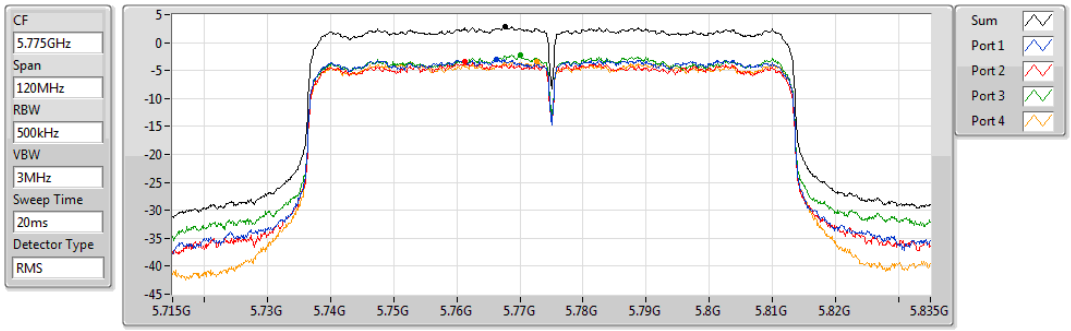
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.19	0.19	-4.97	-6.00	-5.85	-5.59

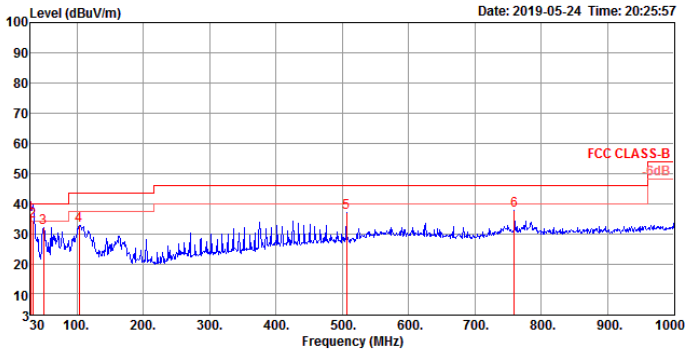
802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.80	2.80	-2.96	-3.47	-2.19	-3.46

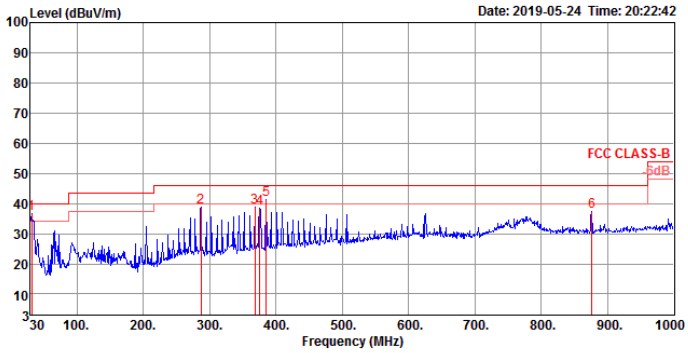
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	36.13	40.00	-3.87	39.50	0.80	24.40	28.57	125	129	QP	VERTICAL
2	33.88	33.99	40.00	-6.01	39.30	0.72	22.54	28.57	100	227	QP	VERTICAL
3	49.40	32.12	40.00	-7.88	45.23	0.93	14.52	28.56	100	53	Peak	VERTICAL
4	103.72	32.78	43.50	-10.72	42.72	1.25	17.24	28.43	100	288	Peak	VERTICAL
5	506.27	37.13	46.00	-8.87	40.58	2.39	23.55	29.39	100	251	Peak	VERTICAL
6	759.44	37.59	46.00	-8.41	38.01	3.00	25.97	29.39	100	221	Peak	VERTICAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	36.68	40.00	-3.32	41.37	0.76	23.12	28.57	300	215	Peak	HORIZONTAL
2	287.05	38.94	46.00	-7.06	46.12	1.90	18.87	27.95	125	76	Peak	HORIZONTAL
3	368.53	38.74	46.00	-7.26	44.56	2.05	20.65	28.52	100	61	Peak	HORIZONTAL
4	375.32	38.40	46.00	-7.60	44.16	2.09	20.73	28.58	100	202	Peak	HORIZONTAL
5	385.02	41.28	46.00	-4.72	46.81	2.13	21.00	28.66	100	84	Peak	HORIZONTAL
6	875.84	37.47	46.00	-8.53	36.72	3.31	26.57	29.13	100	199	Peak	HORIZONTAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

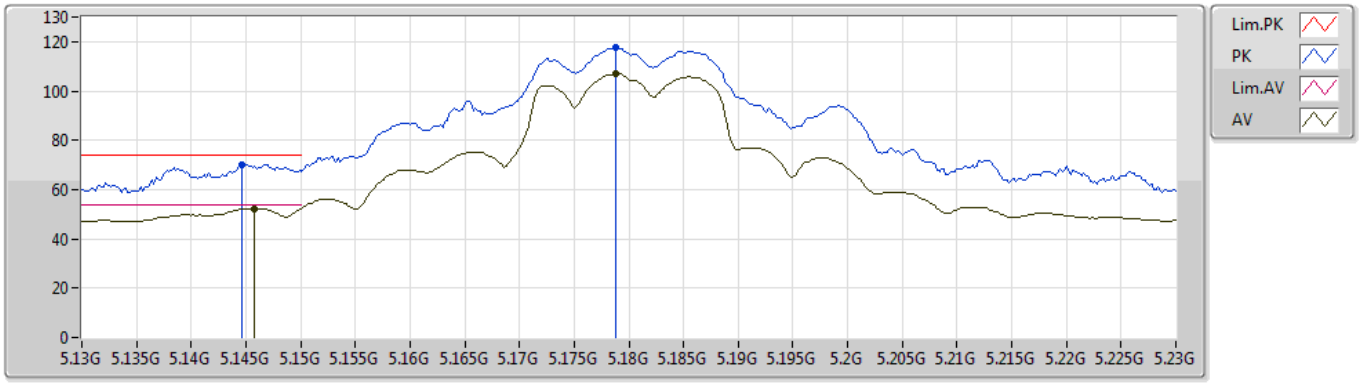
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	5.65G	68.18	68.20	-0.02	5.69	3	Vertical	290	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

06/05/2019



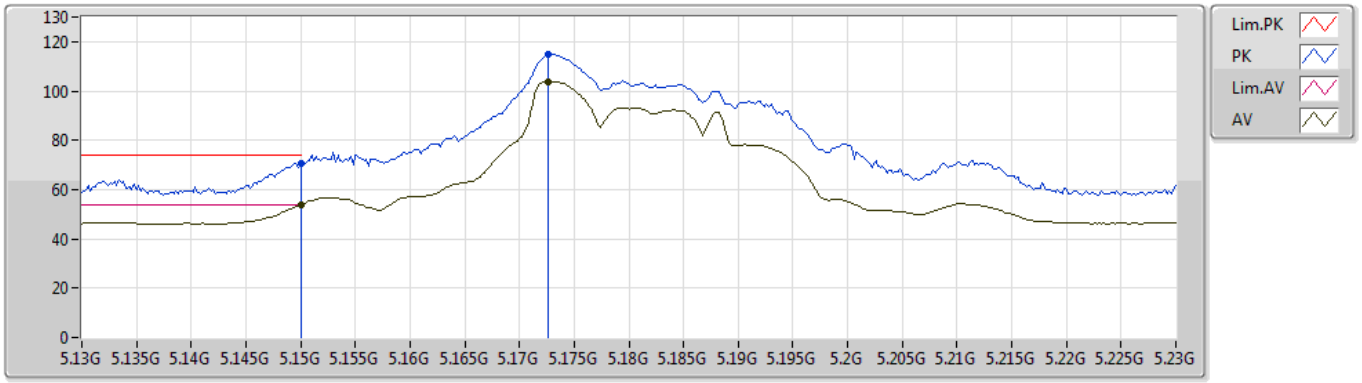
EUT Y_4TX
Setting 19
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1446G	70.24	74.00	-3.76	4.24	3	Vertical	127	1.50	-
AV	5.1458G	52.27	54.00	-1.73	4.25	3	Vertical	127	1.50	-
PK	5.1788G	117.47	Inf	-Inf	4.26	3	Vertical	127	1.50	-
AV	5.1788G	107.04	Inf	-Inf	4.26	3	Vertical	127	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

06/05/2019



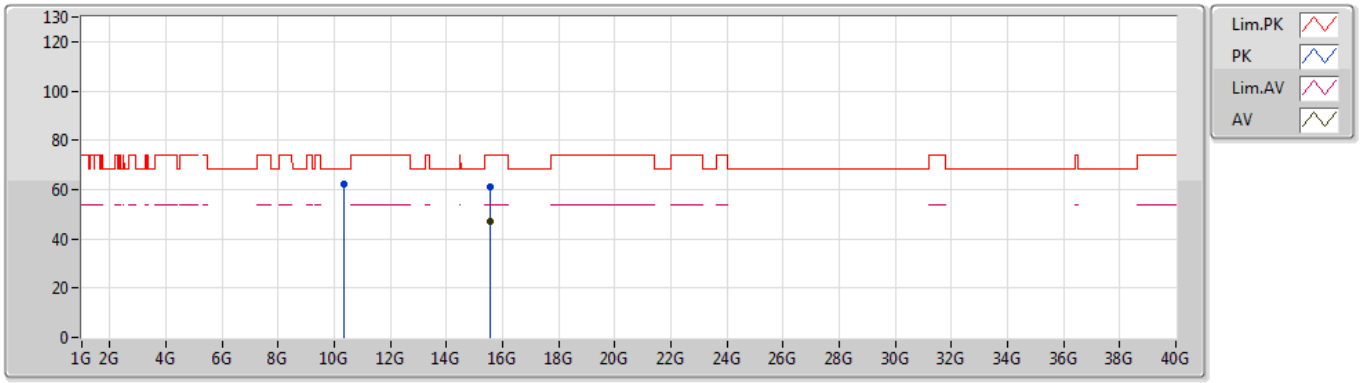
EUT Y_4TX
Setting 19
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.15G	70.70	74.00	-3.30	4.25	3	Horizontal	32	2.31	-
AV	5.15G	53.75	54.00	-0.25	4.25	3	Horizontal	32	2.31	-
PK	5.1726G	114.73	Inf	-Inf	4.25	3	Horizontal	32	2.31	-
AV	5.1726G	103.94	Inf	-Inf	4.25	3	Horizontal	32	2.31	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

06/05/2019



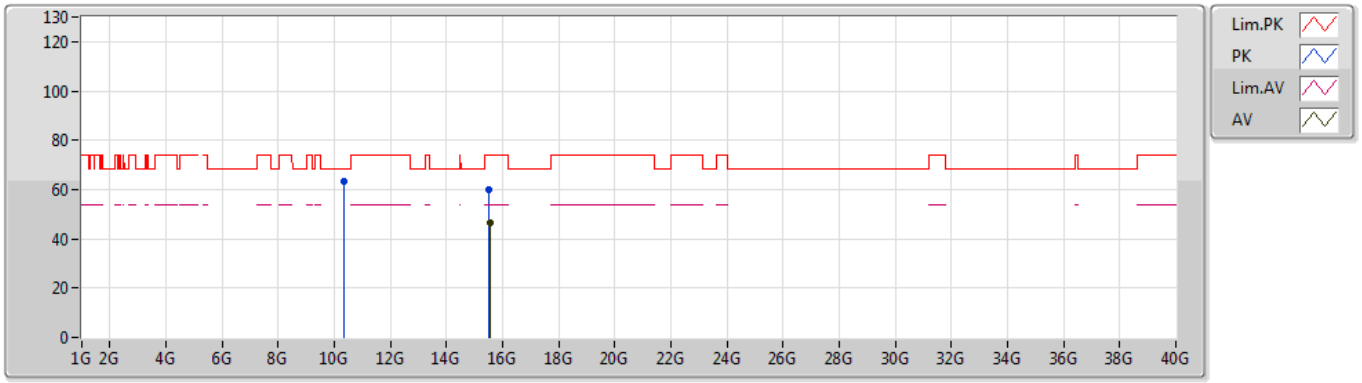
EUT Y_4TX
Setting 19
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.35988G	61.99	68.20	-6.21	10.85	3	Vertical	288	1.46	-
PK	15.5346G	60.87	74.00	-13.13	14.46	3	Vertical	253	2.86	-
AV	15.53568G	47.16	54.00	-6.84	14.46	3	Vertical	253	2.86	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

06/05/2019



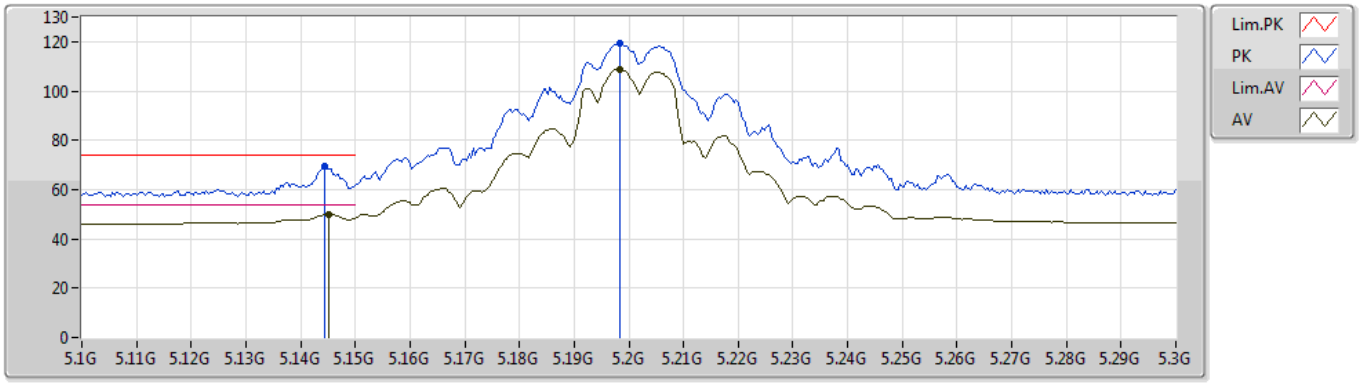
EUT Y_4TX
Setting 19
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.35964G	63.48	68.20	-4.72	10.85	3	Horizontal	246	1.50	-
PK	15.51672G	60.15	74.00	-13.85	14.48	3	Horizontal	301	1.52	-
AV	15.53508G	46.32	54.00	-7.68	14.46	3	Horizontal	301	1.52	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

06/05/2019



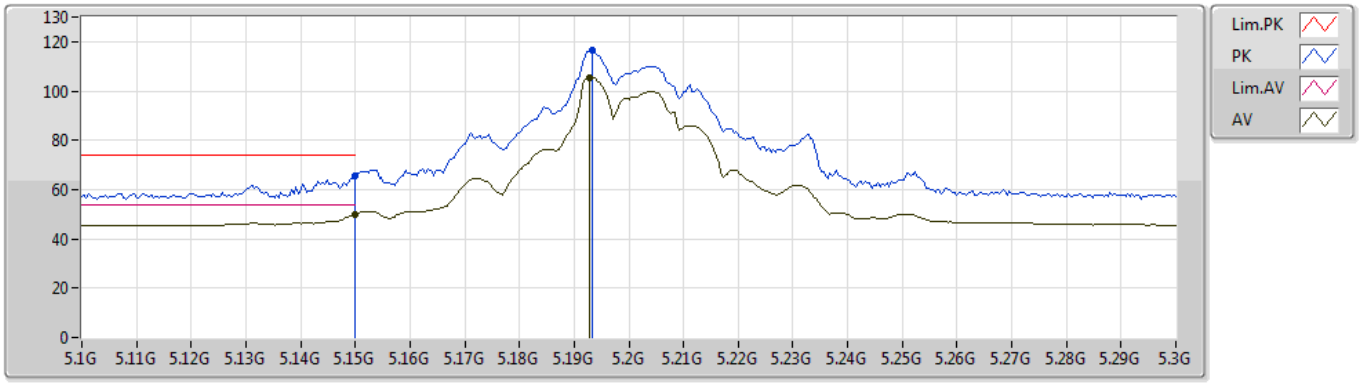
EUT Y_4TX
Setting 21
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1444G	69.63	74.00	-4.37	4.24	3	Vertical	126	2.54	-
AV	5.1452G	49.92	54.00	-4.08	4.25	3	Vertical	126	2.54	-
PK	5.1984G	119.60	Inf	-Inf	4.27	3	Vertical	126	2.54	-
AV	5.1984G	108.90	Inf	-Inf	4.27	3	Vertical	126	2.54	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

06/05/2019



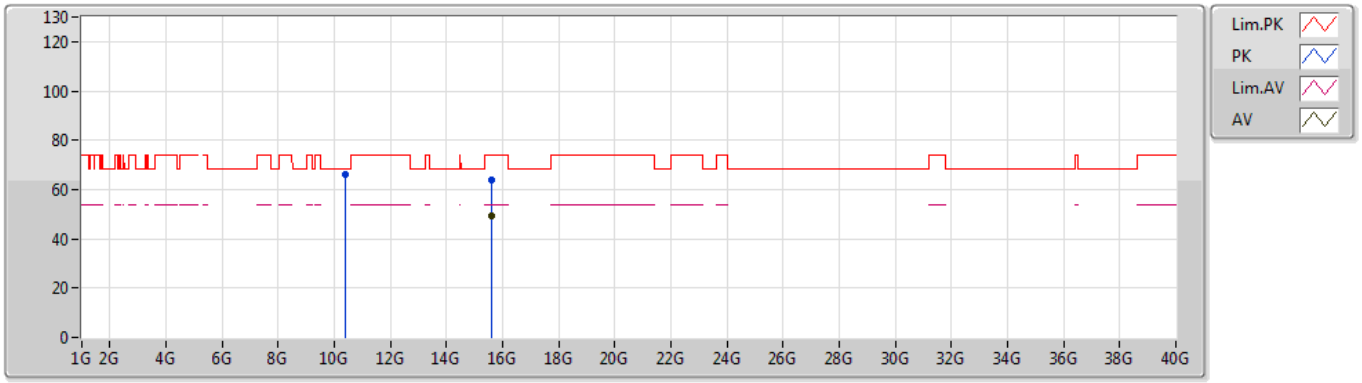
EUT Y_4TX
Setting 21
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.15G	65.77	74.00	-8.23	4.25	3	Horizontal	34	1.50	-
AV	5.15G	49.99	54.00	-4.01	4.25	3	Horizontal	34	1.50	-
PK	5.1932G	116.43	Inf	-Inf	4.26	3	Horizontal	34	1.50	-
AV	5.1928G	105.57	Inf	-Inf	4.26	3	Horizontal	34	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

06/05/2019



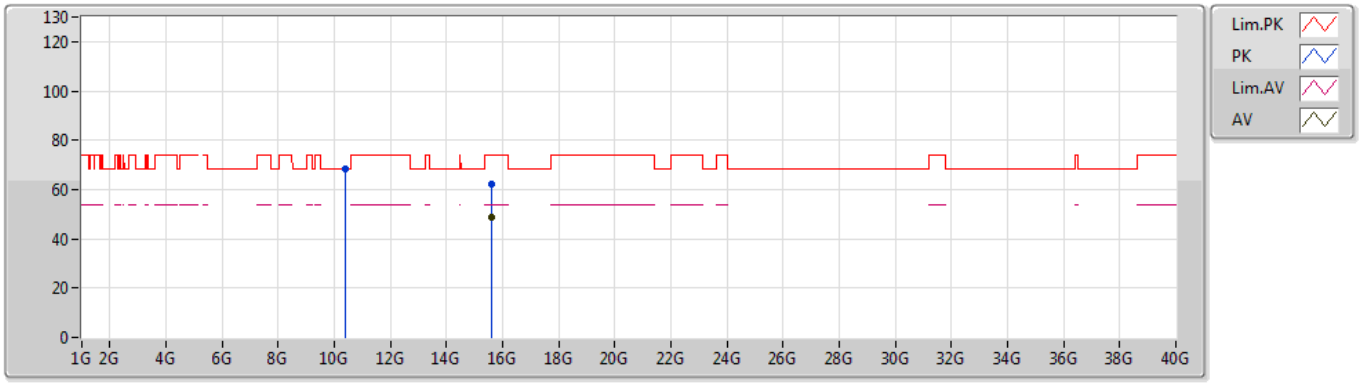
EUT Y_4TX
Setting 21
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4006G	66.40	68.20	-1.80	10.91	3	Vertical	288	1.47	-
PK	15.59424G	63.62	74.00	-10.38	14.38	3	Vertical	267	2.79	-
AV	15.5952G	49.30	54.00	-4.70	14.39	3	Vertical	267	2.79	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

06/05/2019



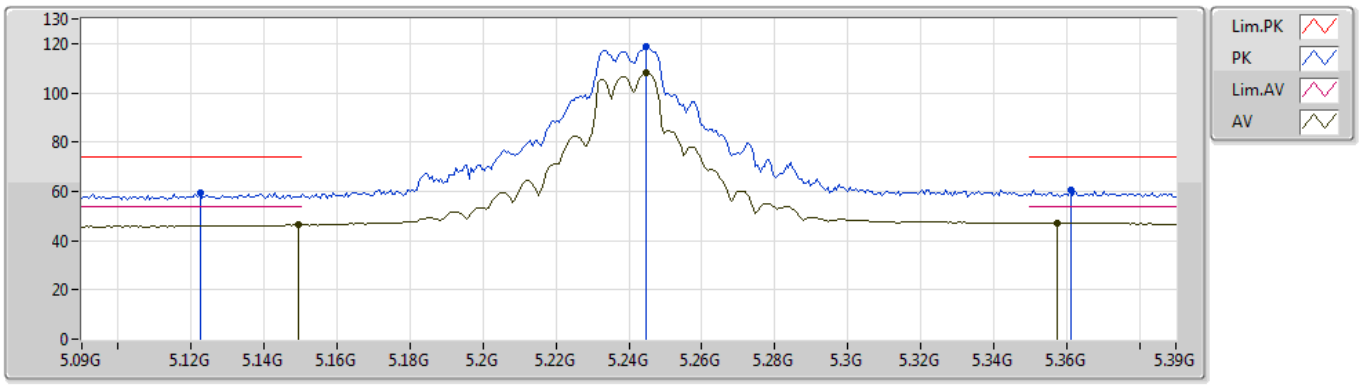
EUT Y_4TX
Setting 21
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40036G	68.17	68.20	-0.03	10.91	3	Horizontal	247	1.47	-
PK	15.5952G	62.36	74.00	-11.64	14.39	3	Horizontal	298	1.49	-
AV	15.5952G	48.68	54.00	-5.32	14.39	3	Horizontal	298	1.49	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

06/05/2019



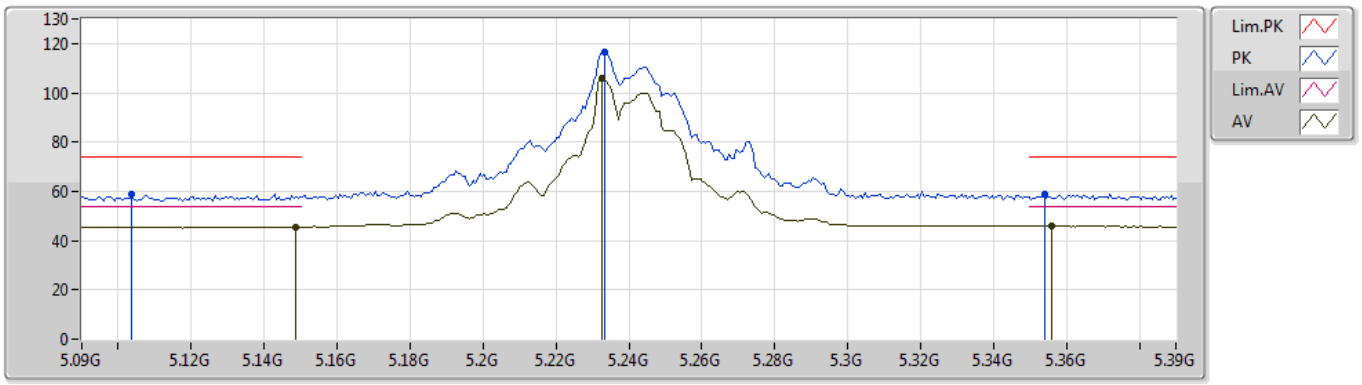
EUT Y_4TX
Setting 21.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1224G	59.40	74.00	-14.60	4.23	3	Vertical	4	1.49	-
AV	5.1494G	46.38	54.00	-7.62	4.25	3	Vertical	4	1.49	-
PK	5.2448G	118.70	Inf	-Inf	4.43	3	Vertical	4	1.49	-
AV	5.2448G	108.40	Inf	-Inf	4.43	3	Vertical	4	1.49	-
PK	5.3612G	60.51	74.00	-13.49	4.85	3	Vertical	4	1.49	-
AV	5.3576G	47.20	54.00	-6.80	4.83	3	Vertical	4	1.49	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

06/05/2019



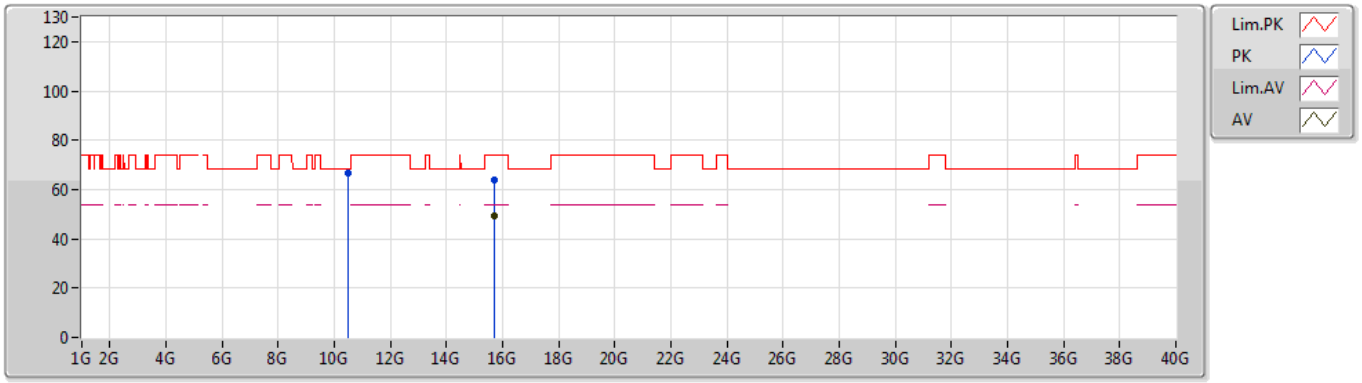
EUT Y_4TX
Setting 21.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1038G	58.97	74.00	-15.03	4.22	3	Horizontal	31	1.48	-
AV	5.1488G	45.56	54.00	-8.44	4.25	3	Horizontal	31	1.48	-
PK	5.2334G	116.44	Inf	-Inf	4.39	3	Horizontal	31	1.48	-
AV	5.2328G	106.01	Inf	-Inf	4.39	3	Horizontal	31	1.48	-
PK	5.354G	58.73	74.00	-15.27	4.82	3	Horizontal	31	1.48	-
AV	5.3558G	45.84	54.00	-8.16	4.83	3	Horizontal	31	1.48	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

06/05/2019



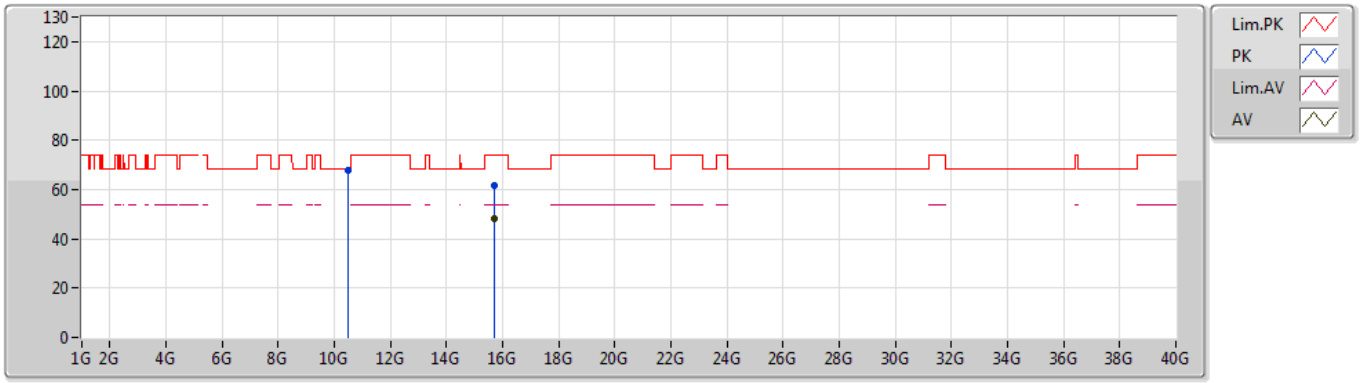
EUT Y_4TX
Setting 21.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.48072G	66.70	68.20	-1.50	11.02	3	Vertical	286	1.35	-
PK	15.71916G	63.88	74.00	-10.12	14.24	3	Vertical	258	2.58	-
AV	15.7194G	49.39	54.00	-4.61	14.24	3	Vertical	258	2.58	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

06/05/2019



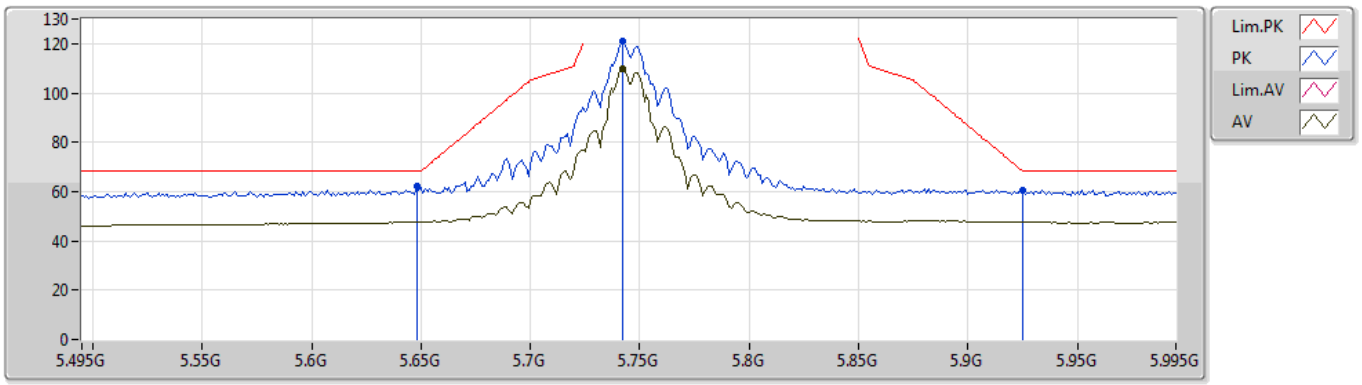
EUT Y_4TX
Setting 21.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.48072G	67.73	68.20	-0.47	11.02	3	Horizontal	248	1.43	-
PK	15.71448G	61.45	74.00	-12.55	14.25	3	Horizontal	299	1.55	-
AV	15.71568G	48.07	54.00	-5.93	14.24	3	Horizontal	299	1.55	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

06/05/2019



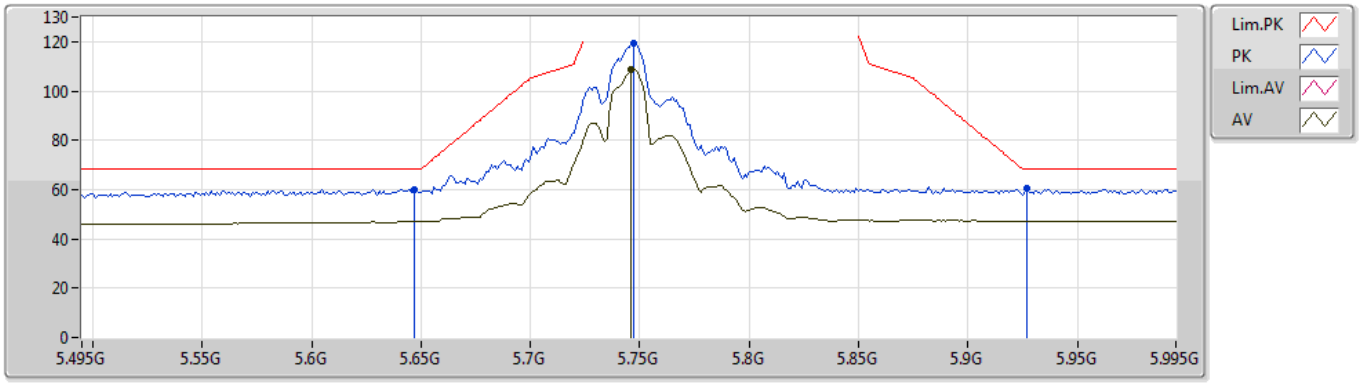
EUT Y_4TX
Setting 23
01-B-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.648G	62.10	68.20	-6.10	5.69	3	Vertical	1	1.50	-
PK	5.742G	120.97	Inf	-Inf	5.83	3	Vertical	1	1.50	-
AV	5.742G	109.75	Inf	-Inf	5.83	3	Vertical	1	1.50	-
PK	5.925G	60.50	68.20	-7.70	6.81	3	Vertical	1	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

06/05/2019



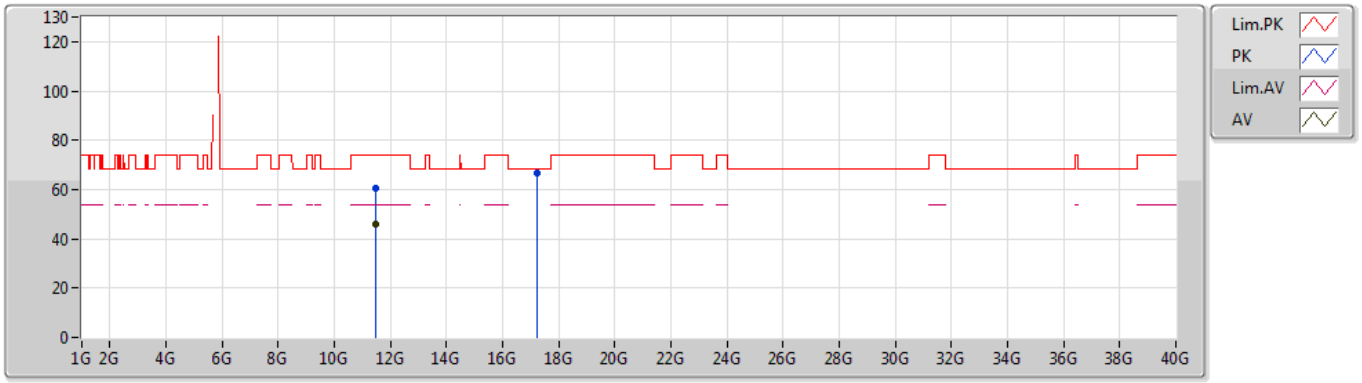
EUT Y_4TX
Setting 23
01-B-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.647G	60.19	68.20	-8.01	5.69	3	Horizontal	229	1.35	-
PK	5.747G	119.60	Inf	-Inf	5.84	3	Horizontal	229	1.35	-
AV	5.746G	108.67	Inf	-Inf	5.84	3	Horizontal	229	1.35	-
PK	5.927G	60.40	68.20	-7.80	6.82	3	Horizontal	229	1.35	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

06/05/2019



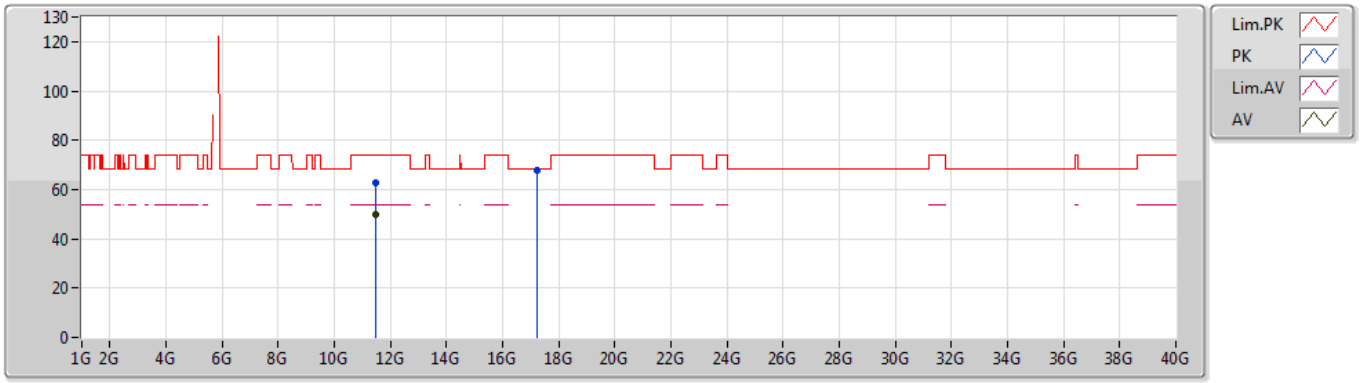
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4849G	60.42	74.00	-13.58	11.93	3	Vertical	82	1.75	-
AV	11.49618G	46.22	54.00	-7.78	11.93	3	Vertical	82	1.75	-
PK	17.235G	66.64	68.20	-1.56	18.05	3	Vertical	264	1.51	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

06/05/2019



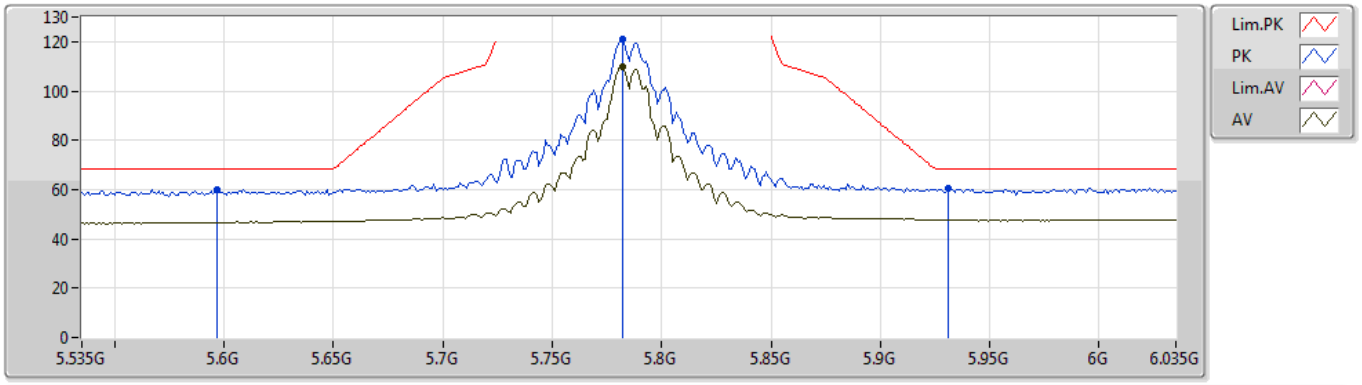
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4906G	62.91	74.00	-11.09	14.41	3	Horizontal	318	1.45	-
AV	11.49036G	49.91	54.00	-4.09	14.41	3	Horizontal	318	1.45	-
PK	17.23698G	67.87	68.20	-0.33	18.20	3	Horizontal	315	1.72	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

06/05/2019



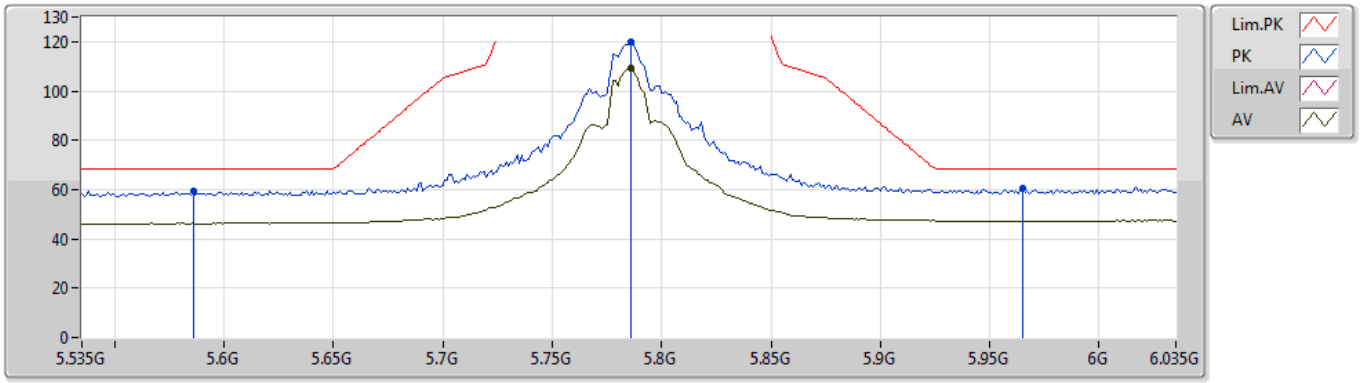
EUT Y_4TX
Setting 23
01-B-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.597G	60.02	68.20	-8.18	5.63	3	Vertical	289	1.48	-
PK	5.782G	121.17	Inf	-Inf	5.91	3	Vertical	289	1.48	-
AV	5.782G	109.88	Inf	-Inf	5.91	3	Vertical	289	1.48	-
PK	5.931G	60.42	68.20	-7.78	6.83	3	Vertical	289	1.48	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

06/05/2019



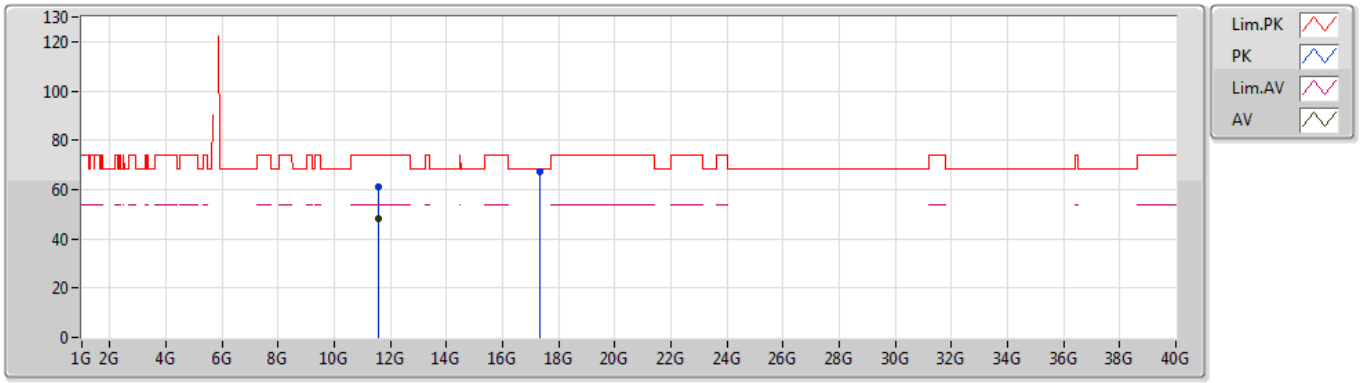
EUT Y_4TX
Setting 23
01-B-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.586G	59.35	68.20	-8.85	5.60	3	Horizontal	228	2.56	-
PK	5.786G	119.97	Inf	-Inf	5.92	3	Horizontal	228	2.56	-
AV	5.786G	109.01	Inf	-Inf	5.92	3	Horizontal	228	2.56	-
PK	5.965G	60.25	68.20	-7.95	7.00	3	Horizontal	228	2.56	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

06/05/2019



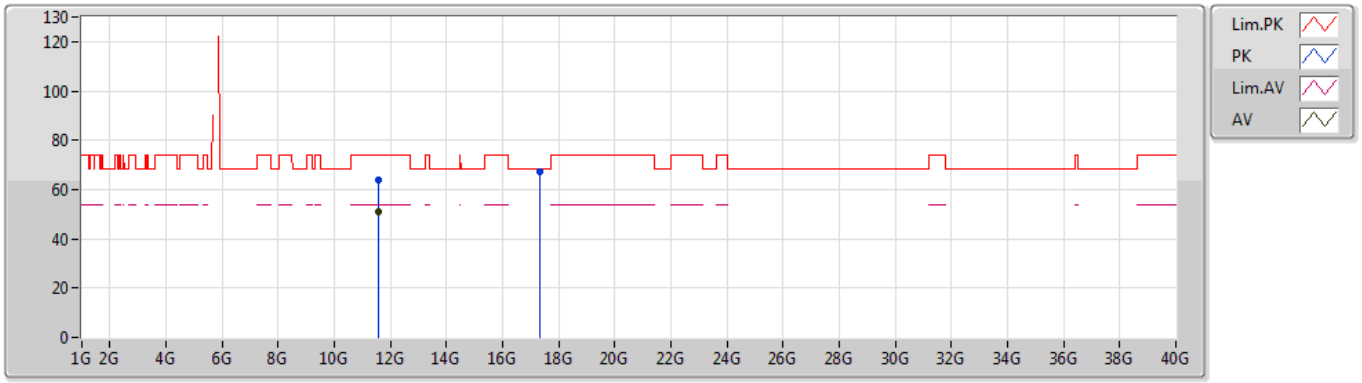
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56448G	61.09	74.00	-12.91	11.96	3	Vertical	86	1.66	-
AV	11.57624G	48.06	54.00	-5.94	11.96	3	Vertical	86	1.66	-
PK	17.35014G	67.41	68.20	-0.79	18.26	3	Vertical	270	2.72	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

06/05/2019



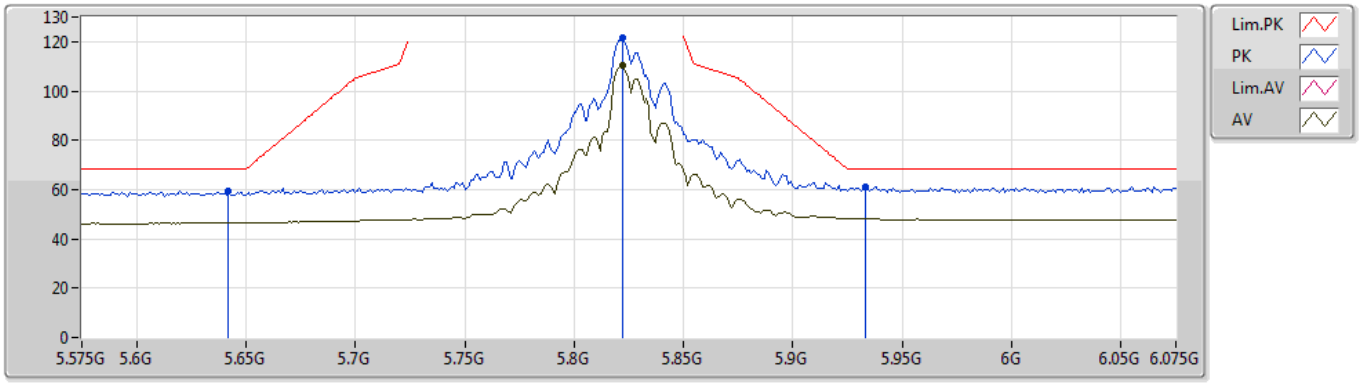
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57306G	64.07	74.00	-9.93	14.50	3	Horizontal	100	1.53	-
AV	11.57306G	50.87	54.00	-3.13	14.50	3	Horizontal	100	1.53	-
PK	17.3499G	67.03	68.20	-1.17	18.79	3	Horizontal	316	1.63	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

06/05/2019



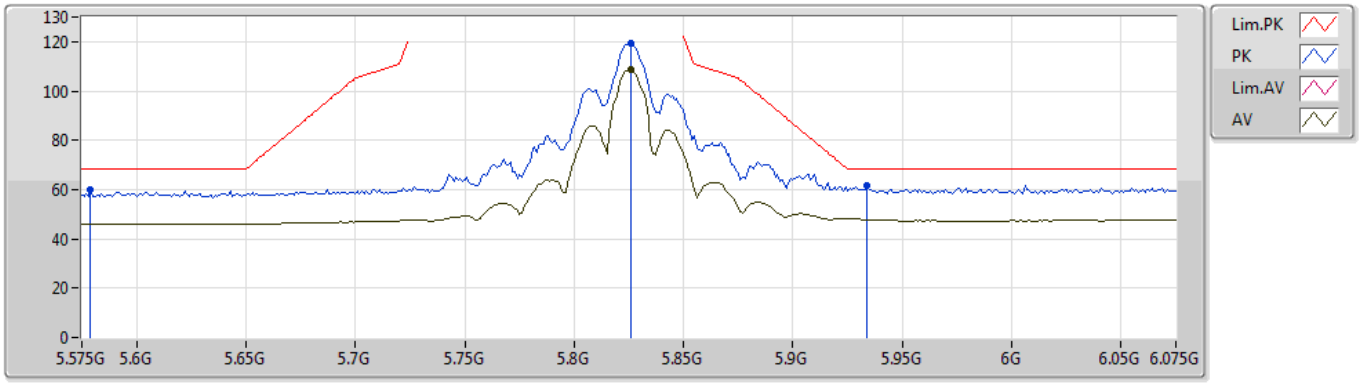
EUT Y_4TX
Setting 23
01-B-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.642G	59.32	68.20	-8.88	5.68	3	Vertical	142	1.65	-
PK	5.822G	121.43	Inf	-Inf	6.12	3	Vertical	142	1.65	-
AV	5.822G	110.22	Inf	-Inf	6.12	3	Vertical	142	1.65	-
PK	5.933G	61.22	68.20	-6.98	6.85	3	Vertical	142	1.65	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

06/05/2019



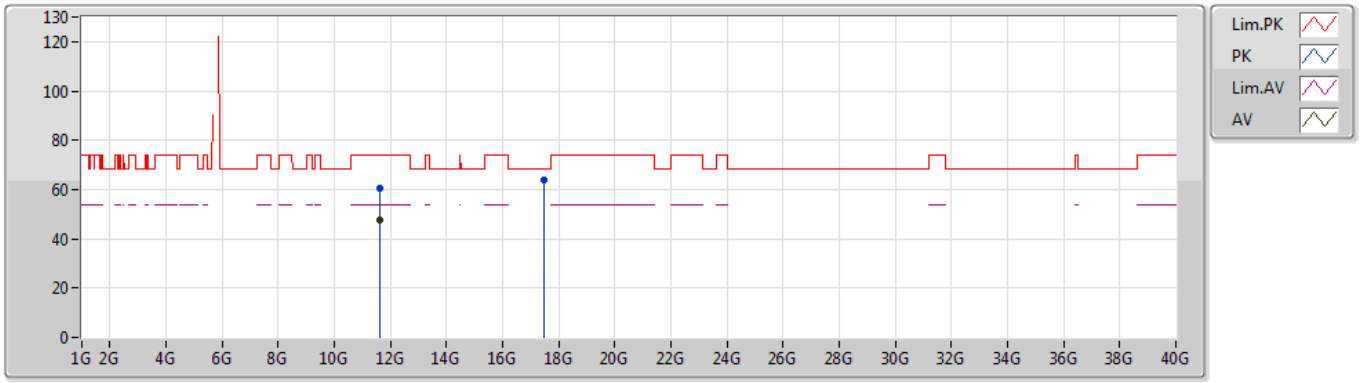
EUT Y_4TX
Setting 23
01-B-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.579G	59.83	68.20	-8.37	5.58	3	Horizontal	223	2.52	-
PK	5.826G	119.40	Inf	-Inf	6.15	3	Horizontal	223	2.52	-
AV	5.826G	108.63	Inf	-Inf	6.15	3	Horizontal	223	2.52	-
PK	5.934G	61.48	68.20	-6.72	6.85	3	Horizontal	223	2.52	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

06/05/2019



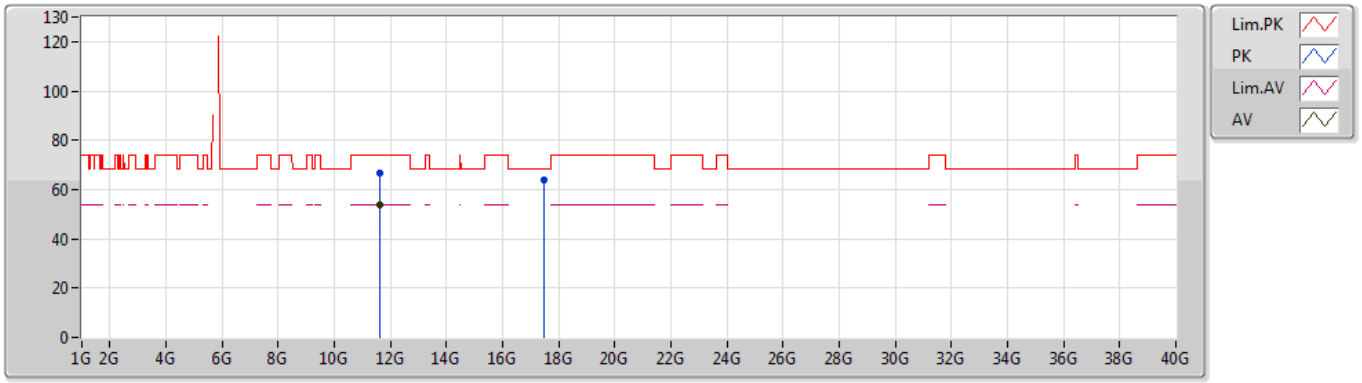
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64646G	60.70	74.00	-13.30	11.99	3	Vertical	81	2.27	-
AV	11.6464G	47.49	54.00	-6.51	11.99	3	Vertical	81	2.27	-
PK	17.46654G	64.05	68.20	-4.15	18.46	3	Vertical	43	2.49	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

06/05/2019



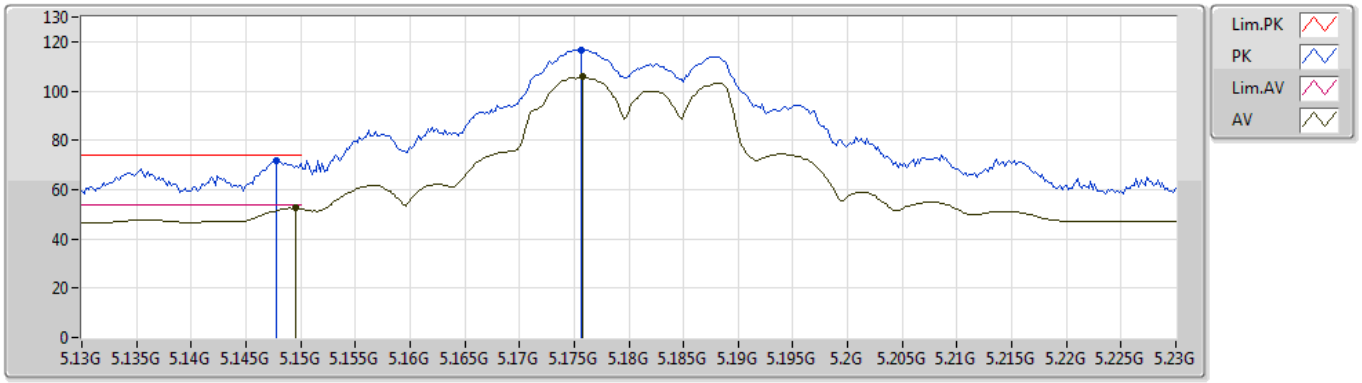
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64688G	66.70	74.00	-7.30	14.57	3	Horizontal	124	1.84	-
AV	11.6467G	53.73	54.00	-0.27	14.57	3	Horizontal	124	1.84	-
PK	17.48904G	63.94	68.20	-4.26	19.51	3	Horizontal	229	2.53	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5180MHz_TX



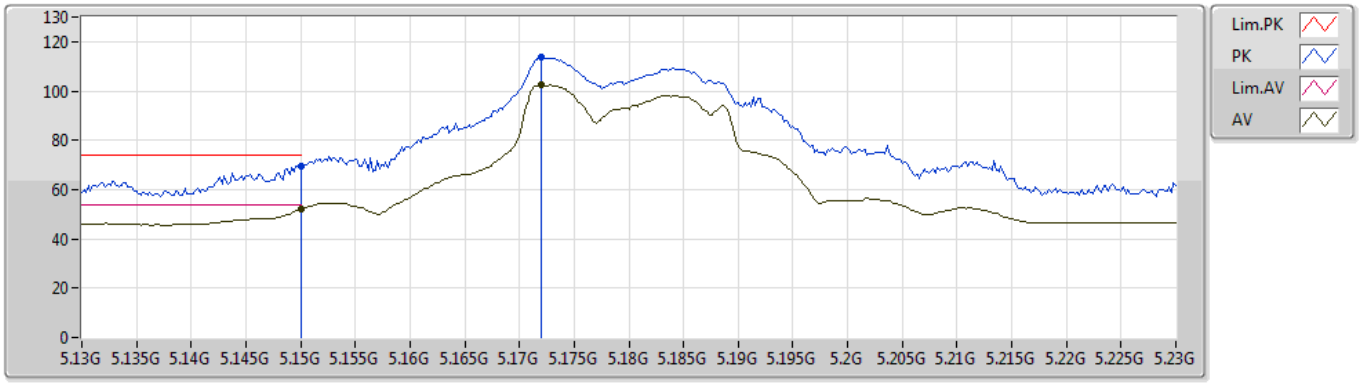
EUT Y_4TX
Setting 18.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1478G	71.76	74.00	-2.24	4.25	3	Vertical	62	2.58	-
AV	5.1496G	52.44	54.00	-1.56	4.25	3	Vertical	62	2.58	-
PK	5.1756G	116.73	Inf	-Inf	4.26	3	Vertical	62	2.58	-
AV	5.1758G	105.69	Inf	-Inf	4.26	3	Vertical	62	2.58	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

06/05/2019



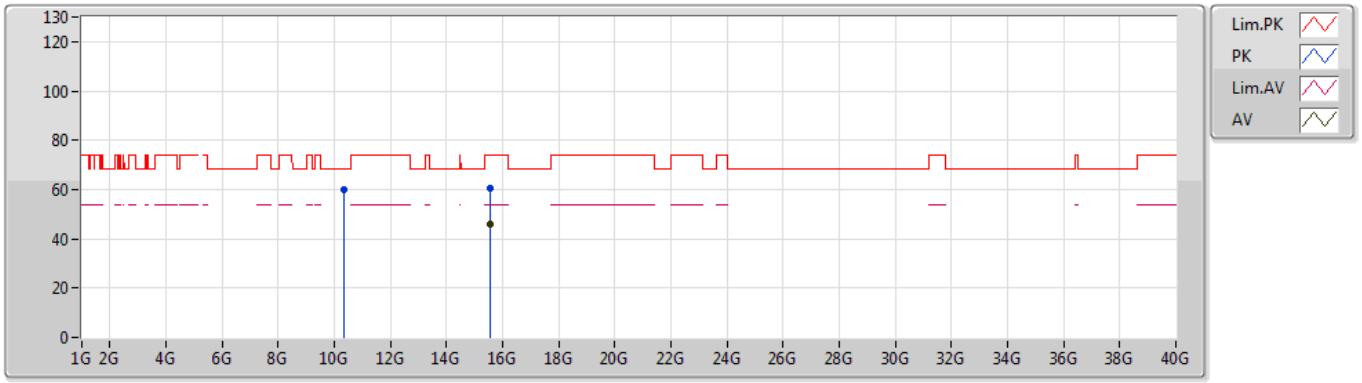
EUT Y_4TX
Setting 18.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.15G	69.69	74.00	-4.31	4.25	3	Horizontal	31	1.50	-
AV	5.15G	51.95	54.00	-2.05	4.25	3	Horizontal	31	1.50	-
PK	5.172G	113.54	Inf	-Inf	4.25	3	Horizontal	31	1.50	-
AV	5.172G	102.51	Inf	-Inf	4.25	3	Horizontal	31	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

06/05/2019



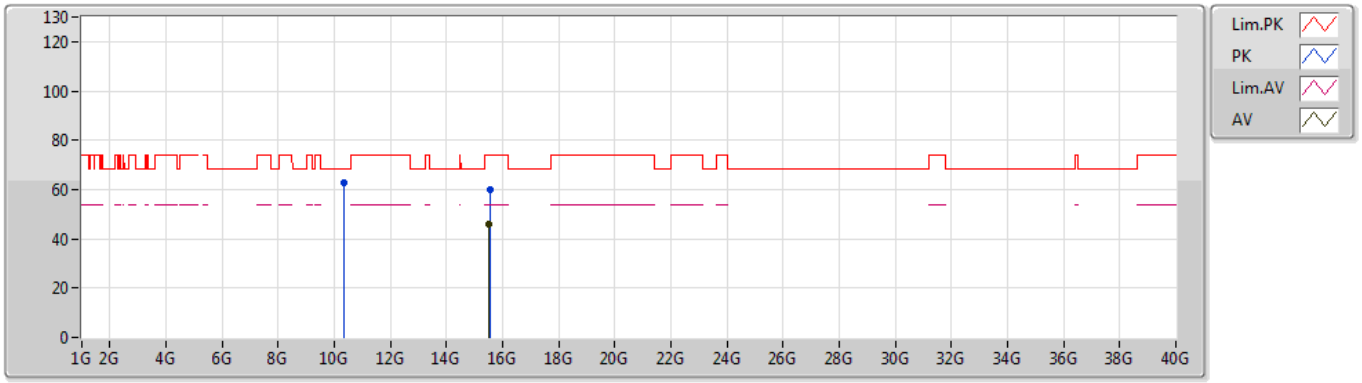
EUT Y_4TX
Setting 18.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36G	60.23	68.20	-7.97	10.85	3	Vertical	287	1.49	-
PK	15.56376G	60.38	74.00	-13.62	14.43	3	Vertical	266	2.99	-
AV	15.53484G	46.22	54.00	-7.78	14.46	3	Vertical	266	2.99	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5180MHz_TX



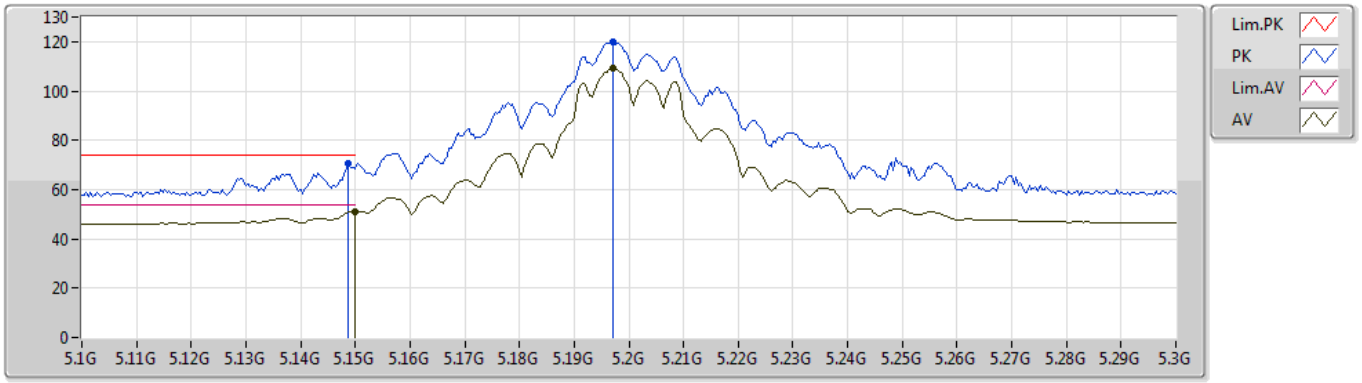
EUT Y_4TX
Setting 18.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.35904G	62.68	68.20	-5.52	10.85	3	Horizontal	246	1.48	-
PK	15.55704G	59.78	74.00	-14.22	14.44	3	Horizontal	159	1.50	-
AV	15.51048G	45.76	54.00	-8.24	14.49	3	Horizontal	159	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

06/05/2019



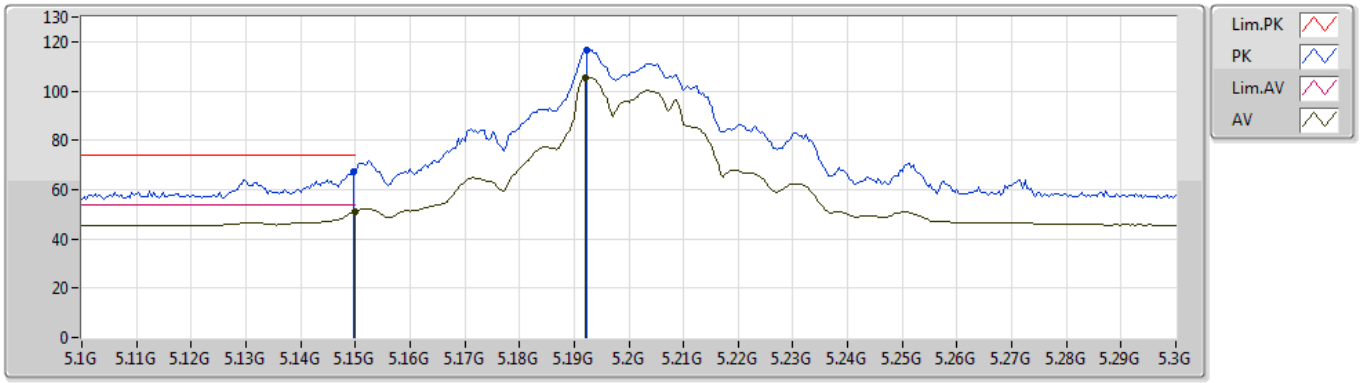
EUT Y_4TX
Setting 21
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1488G	70.34	74.00	-3.66	4.25	3	Vertical	70	2.33	-
AV	5.15G	51.22	54.00	-2.78	4.25	3	Vertical	70	2.33	-
PK	5.1972G	119.78	Inf	-Inf	4.27	3	Vertical	70	2.33	-
AV	5.1972G	109.07	Inf	-Inf	4.27	3	Vertical	70	2.33	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

06/05/2019



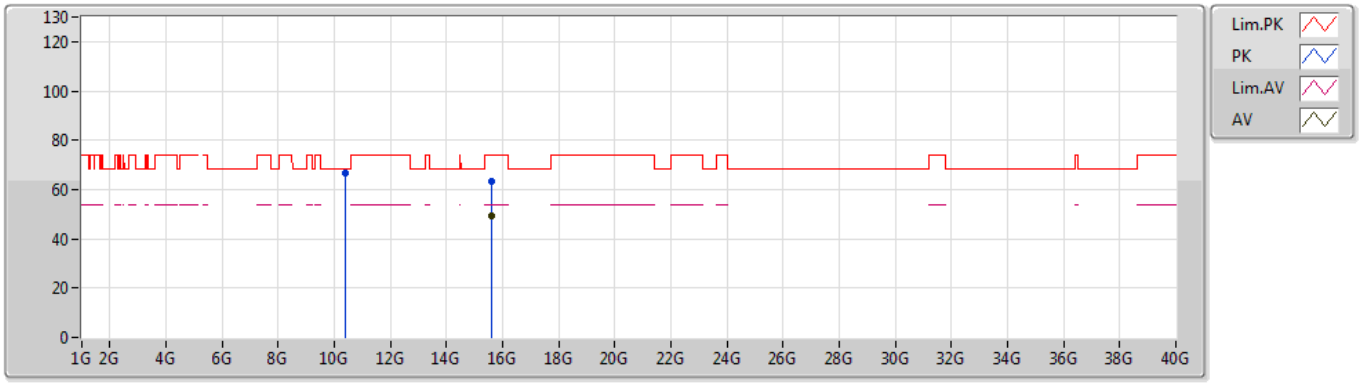
EUT Y_4TX
Setting 21
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	67.16	74.00	-6.84	4.25	3	Horizontal	30	1.50	-
AV	5.15G	51.18	54.00	-2.82	4.25	3	Horizontal	30	1.50	-
PK	5.1924G	116.63	Inf	-Inf	4.26	3	Horizontal	30	1.50	-
AV	5.192G	105.30	Inf	-Inf	4.26	3	Horizontal	30	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

06/05/2019



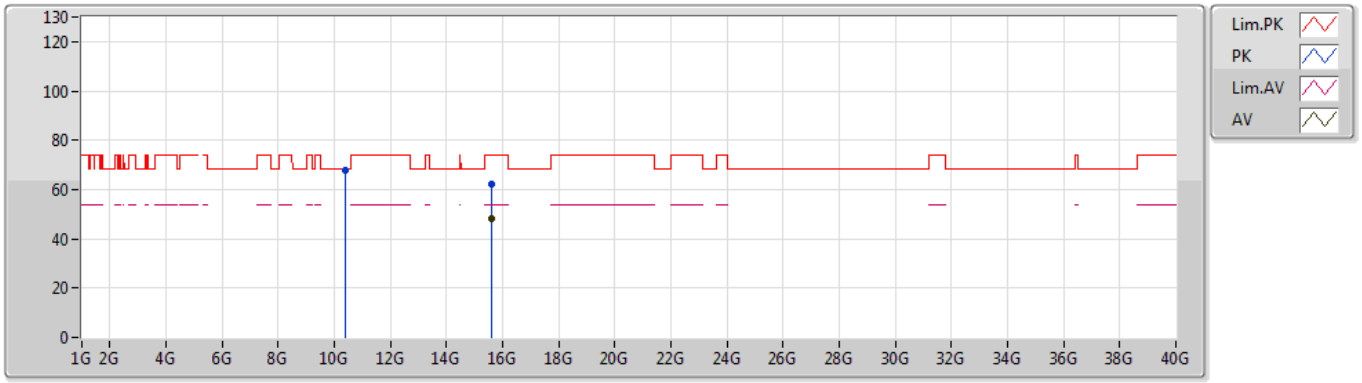
EUT Y_4TX
Setting 21
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4G	66.80	68.20	-1.40	10.91	3	Vertical	287	1.30	-
PK	15.5964G	63.20	74.00	-10.80	14.39	3	Vertical	250	2.86	-
AV	15.59544G	49.37	54.00	-4.63	14.39	3	Vertical	250	2.86	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

06/05/2019



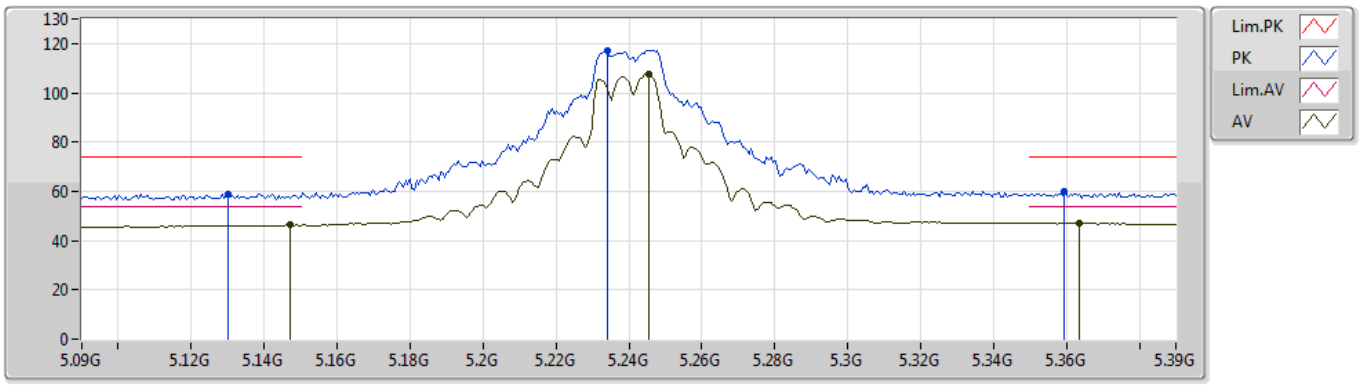
EUT Y_4TX
Setting 21
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.39904G	67.78	68.20	-0.42	10.91	3	Horizontal	248	1.51	-
PK	15.59556G	62.11	74.00	-11.89	14.39	3	Horizontal	297	1.54	-
AV	15.59544G	48.40	54.00	-5.60	14.39	3	Horizontal	297	1.54	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5240MHz_TX



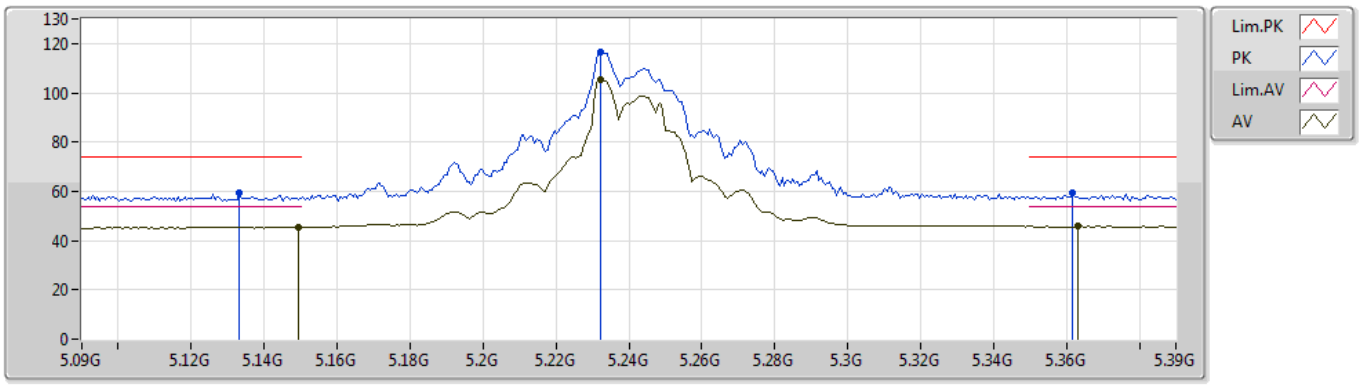
EUT Y_4TX
Setting 21.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1302G	58.94	74.00	-15.06	4.24	3	Vertical	3	1.50	-
AV	5.147G	46.28	54.00	-7.72	4.25	3	Vertical	3	1.50	-
PK	5.234G	117.37	Inf	-Inf	4.39	3	Vertical	3	1.50	-
AV	5.2454G	107.75	Inf	-Inf	4.44	3	Vertical	3	1.50	-
PK	5.3594G	59.89	74.00	-14.11	4.85	3	Vertical	3	1.50	-
AV	5.3636G	47.06	54.00	-6.94	4.86	3	Vertical	3	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

06/05/2019



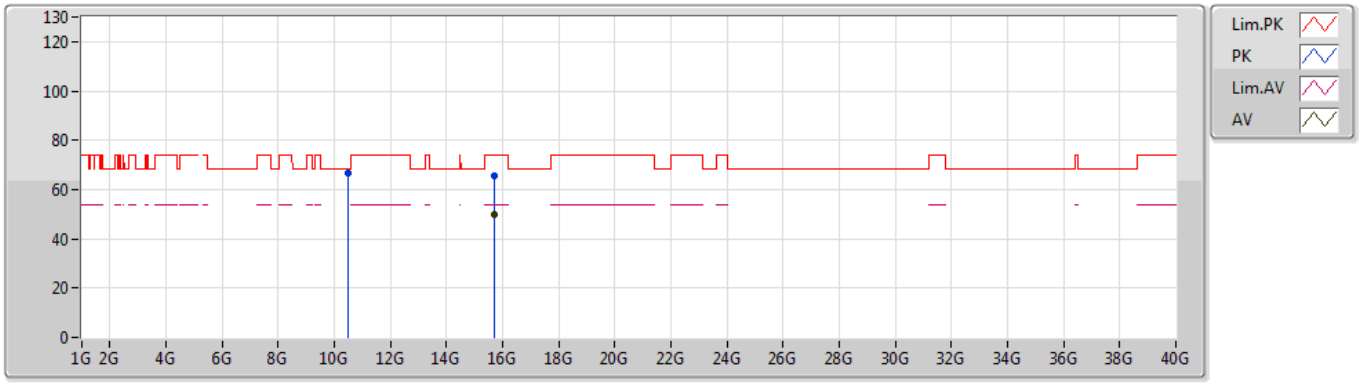
EUT Y_4TX
Setting 21.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1332G	59.24	74.00	-14.76	4.24	3	Horizontal	32	1.48	-
AV	5.1494G	45.51	54.00	-8.49	4.25	3	Horizontal	32	1.48	-
PK	5.2322G	116.38	Inf	-Inf	4.39	3	Horizontal	32	1.48	-
AV	5.2322G	105.50	Inf	-Inf	4.39	3	Horizontal	32	1.48	-
PK	5.3618G	59.44	74.00	-14.56	4.86	3	Horizontal	32	1.48	-
AV	5.363G	45.74	54.00	-8.26	4.86	3	Horizontal	32	1.48	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

06/05/2019



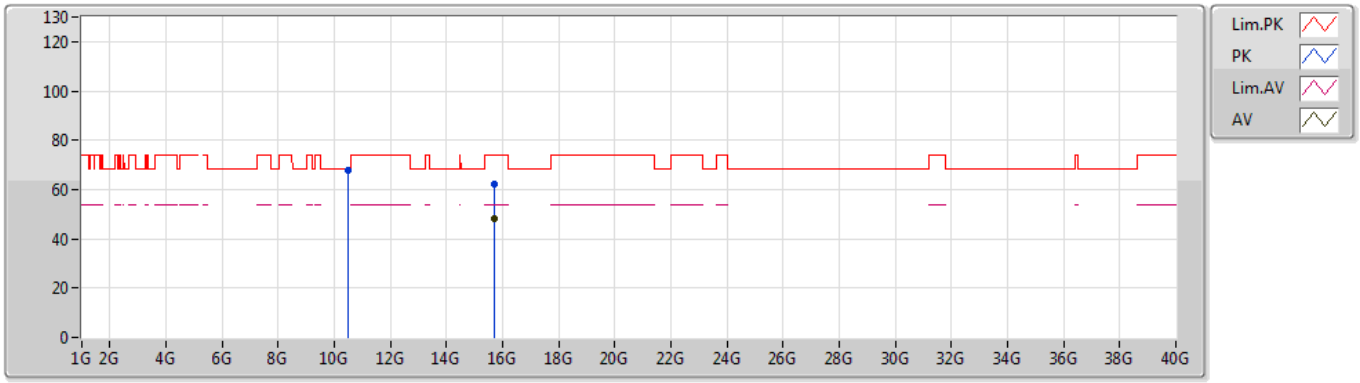
EUT Y_4TX
Setting 21.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47904G	66.79	68.20	-1.41	11.01	3	Vertical	286	1.35	-
PK	15.71472G	65.29	74.00	-8.71	14.25	3	Vertical	283	2.06	-
AV	15.71388G	49.98	54.00	-4.02	14.25	3	Vertical	283	2.06	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5240MHz_TX



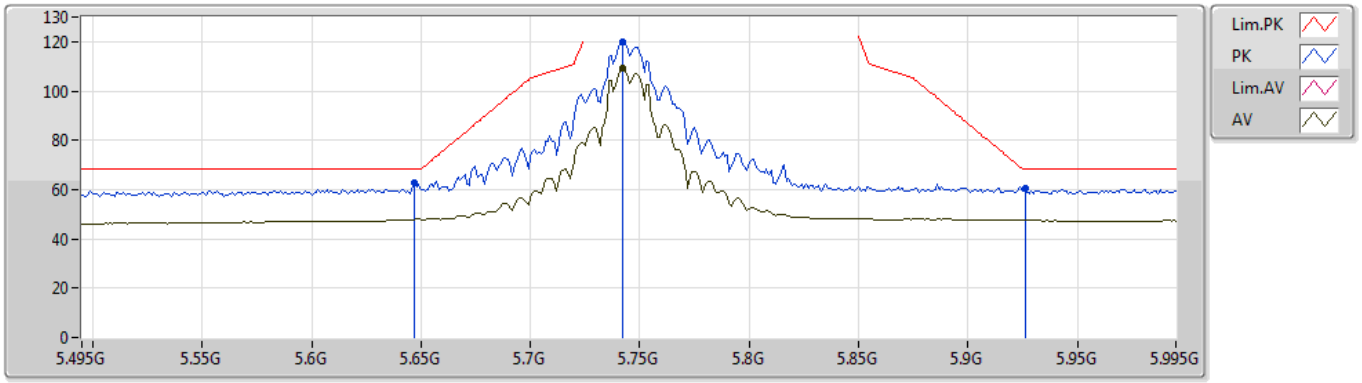
EUT Y_4TX
Setting 21.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47928G	67.79	68.20	-0.41	11.02	3	Horizontal	248	1.43	-
PK	15.7158G	62.21	74.00	-11.79	14.24	3	Horizontal	299	1.51	-
AV	15.71604G	48.27	54.00	-5.73	14.24	3	Horizontal	299	1.51	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

06/05/2019



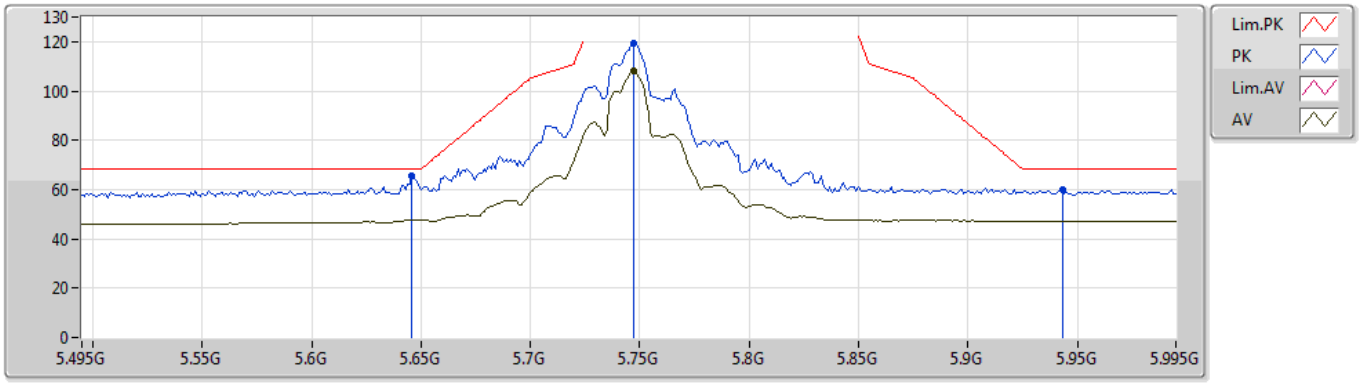
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.647G	62.88	68.20	-5.32	5.69	3	Vertical	358	1.58	-
PK	5.742G	119.89	Inf	-Inf	5.83	3	Vertical	358	1.58	-
AV	5.742G	109.17	Inf	-Inf	5.83	3	Vertical	358	1.58	-
PK	5.926G	60.34	68.20	-7.86	6.81	3	Vertical	358	1.58	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

06/05/2019



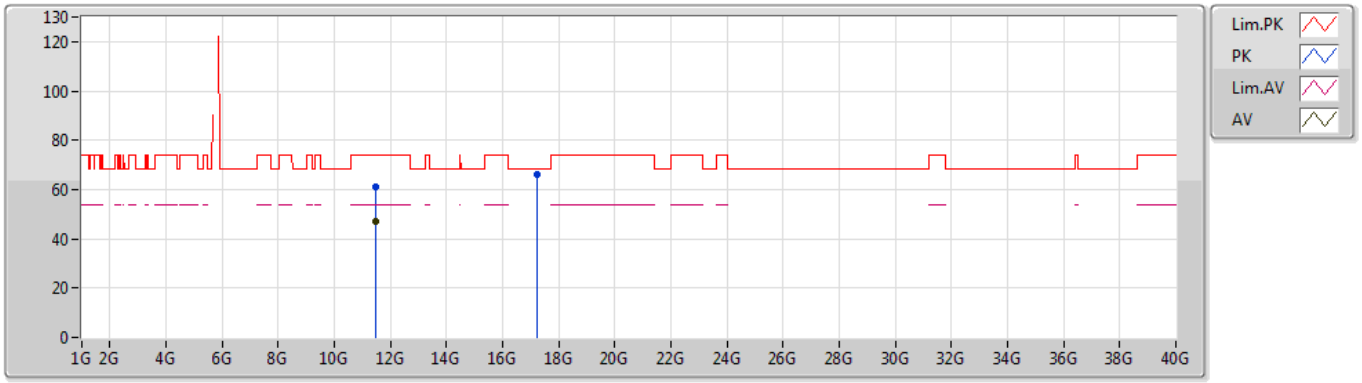
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.646G	65.53	68.20	-2.67	5.69	3	Horizontal	230	1.29	-
PK	5.747G	119.50	Inf	-Inf	5.84	3	Horizontal	230	1.29	-
AV	5.747G	108.12	Inf	-Inf	5.84	3	Horizontal	230	1.29	-
PK	5.943G	59.80	68.20	-8.40	6.89	3	Horizontal	230	1.29	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

06/05/2019



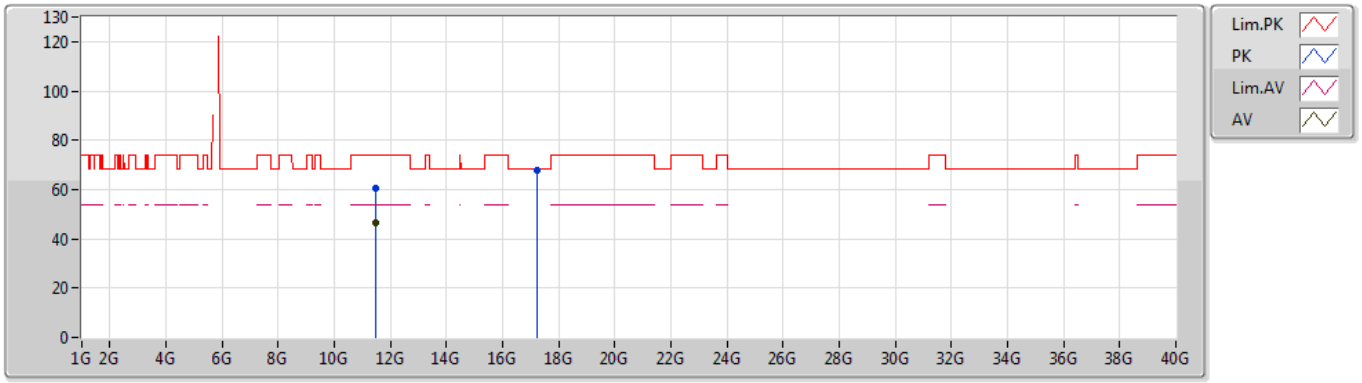
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.47854G	61.32	74.00	-12.68	11.93	3	Vertical	85	1.76	-
AV	11.49744G	47.14	54.00	-6.86	11.93	3	Vertical	85	1.76	-
PK	17.23608G	66.32	68.20	-1.88	18.05	3	Vertical	265	1.53	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

06/05/2019



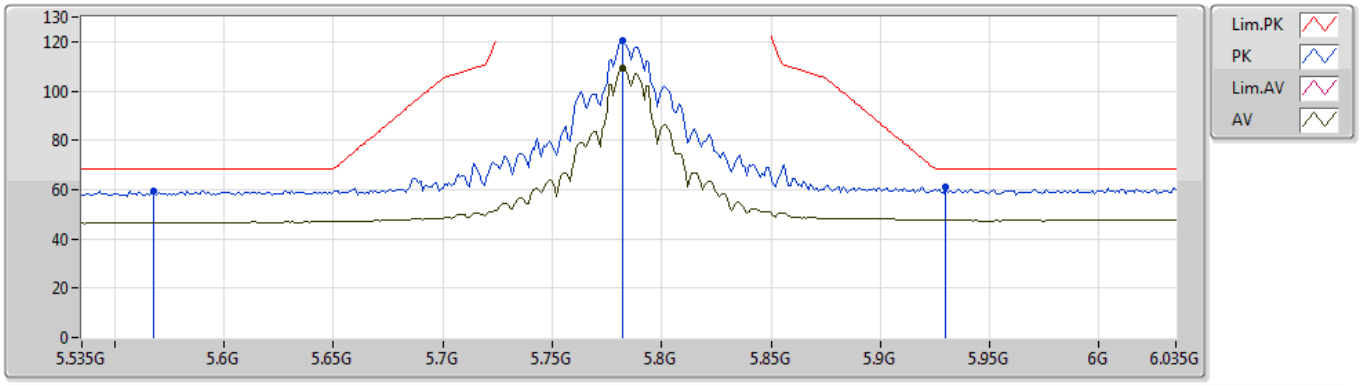
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48958G	60.52	74.00	-13.48	11.93	3	Horizontal	320	1.46	-
AV	11.48988G	46.35	54.00	-7.65	11.93	3	Horizontal	320	1.46	-
PK	17.23596G	67.71	68.20	-0.49	18.05	3	Horizontal	317	1.67	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

06/05/2019



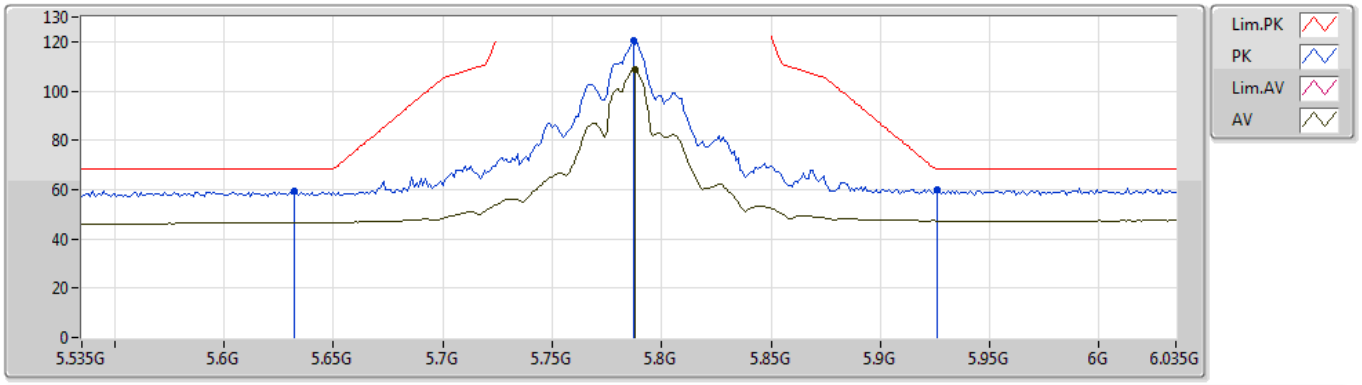
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.568G	59.49	68.20	-8.71	5.56	3	Vertical	356	1.29	-
PK	5.782G	120.33	Inf	-Inf	5.91	3	Vertical	356	1.29	-
AV	5.782G	109.47	Inf	-Inf	5.91	3	Vertical	356	1.29	-
PK	5.93G	60.90	68.20	-7.30	6.83	3	Vertical	356	1.29	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

06/05/2019



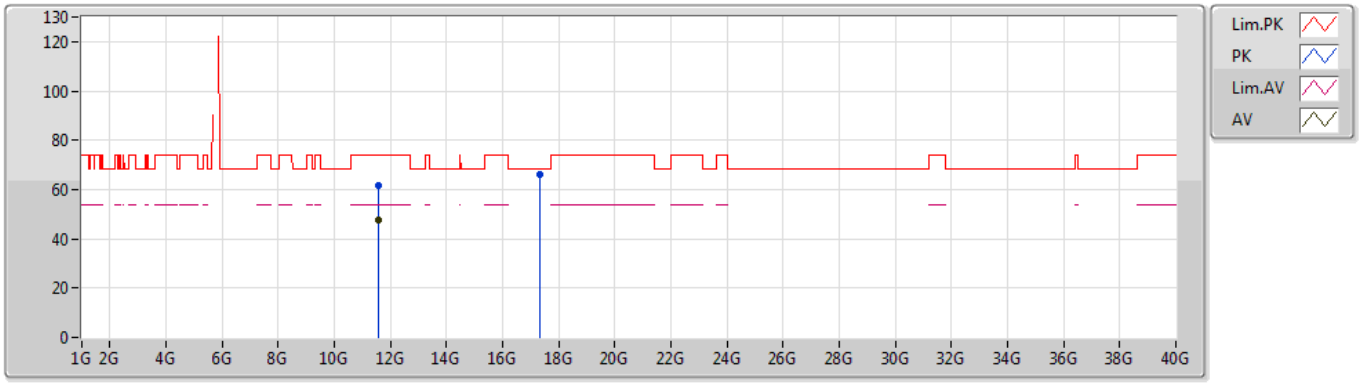
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.632G	59.42	68.20	-8.78	5.67	3	Horizontal	230	1.38	-
PK	5.787G	120.28	Inf	-Inf	5.92	3	Horizontal	230	1.38	-
AV	5.788G	108.47	Inf	-Inf	5.94	3	Horizontal	230	1.38	-
PK	5.926G	59.85	68.20	-8.35	6.81	3	Horizontal	230	1.38	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5785MHz_TX



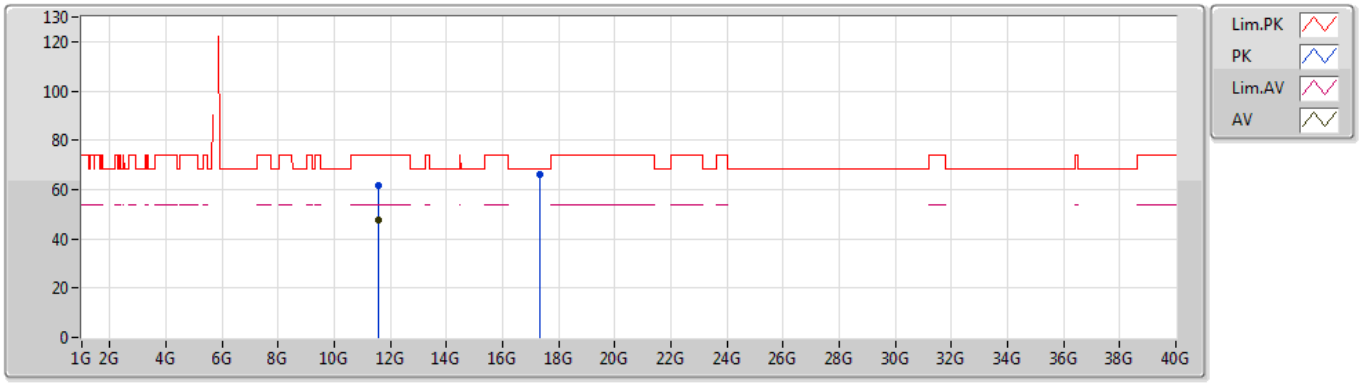
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5766G	61.76	74.00	-12.24	11.96	3	Vertical	87	1.71	-
AV	11.57732G	47.82	54.00	-6.18	11.97	3	Vertical	87	1.71	-
PK	17.34858G	66.00	68.20	-2.20	18.25	3	Vertical	273	2.72	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

06/05/2019



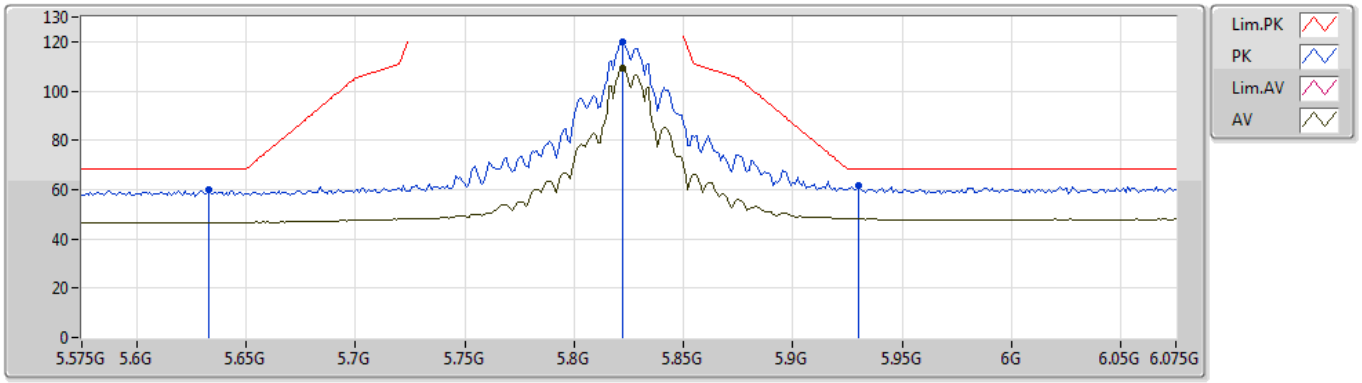
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57258G	61.82	74.00	-12.18	11.95	3	Horizontal	102	1.50	-
AV	11.57372G	47.42	54.00	-6.58	11.95	3	Horizontal	102	1.50	-
PK	17.35008G	66.32	68.20	-1.88	18.26	3	Horizontal	315	1.65	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5825MHz_TX



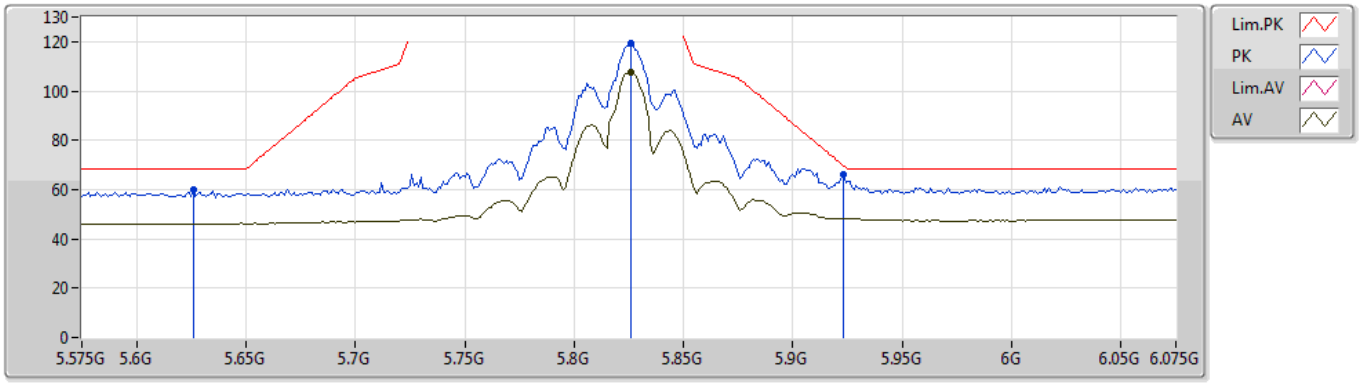
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.633G	59.72	68.20	-8.48	5.67	3	Vertical	359	1.14	-
PK	5.822G	120.04	Inf	-Inf	6.12	3	Vertical	359	1.14	-
AV	5.822G	109.06	Inf	-Inf	6.12	3	Vertical	359	1.14	-
PK	5.93G	61.56	68.20	-6.64	6.83	3	Vertical	359	1.14	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

06/05/2019



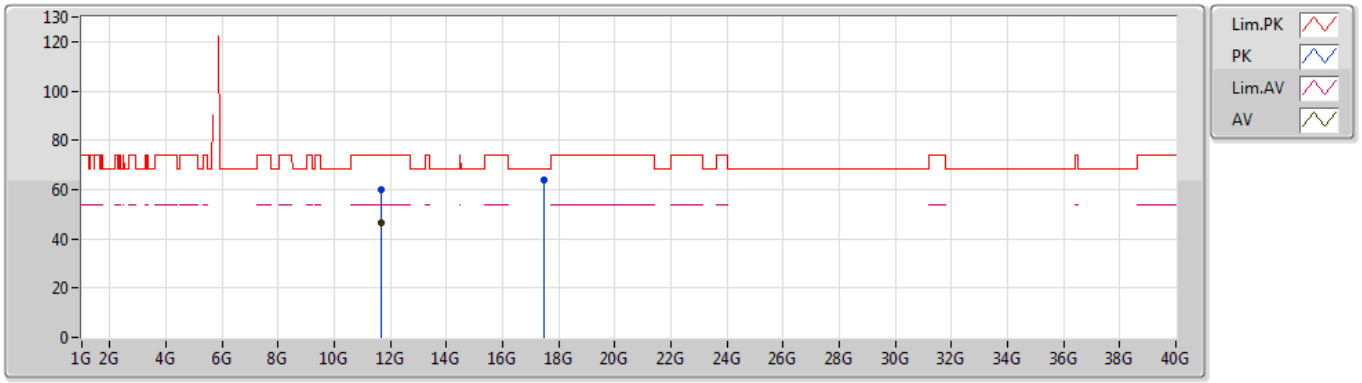
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.626G	59.74	68.20	-8.46	5.67	3	Horizontal	220	2.55	-
PK	5.826G	119.59	Inf	-Inf	6.15	3	Horizontal	220	2.55	-
AV	5.826G	107.81	Inf	-Inf	6.15	3	Horizontal	220	2.55	-
PK	5.923G	65.99	69.68	-3.69	6.81	3	Horizontal	220	2.55	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5825MHz_TX



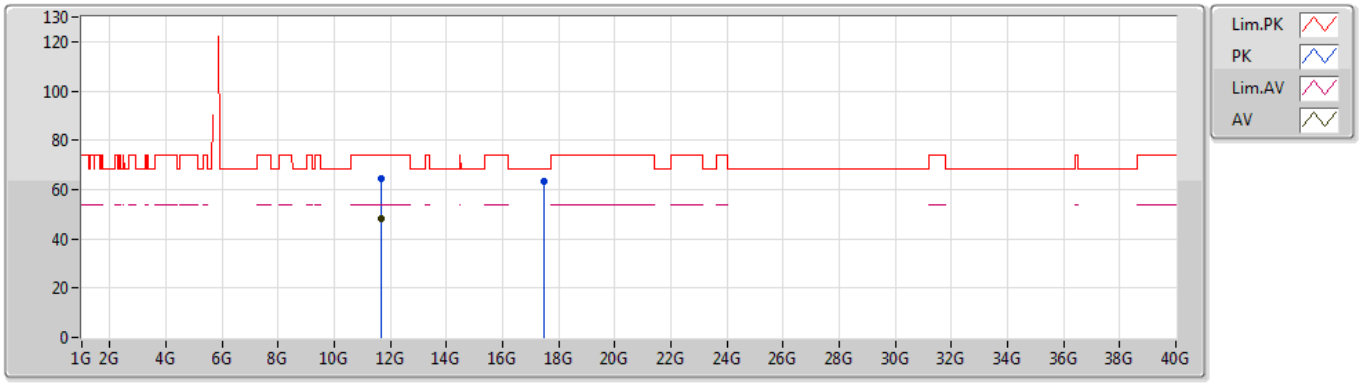
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65042G	59.68	74.00	-14.32	11.99	3	Vertical	251	1.54	-
AV	11.65006G	46.60	54.00	-7.40	11.99	3	Vertical	251	1.54	-
PK	17.47596G	63.71	68.20	-4.49	18.48	3	Vertical	265	1.49	-

802.11ac VHT20_Nss1,(MCS0)_4TX

06/05/2019

5825MHz_TX



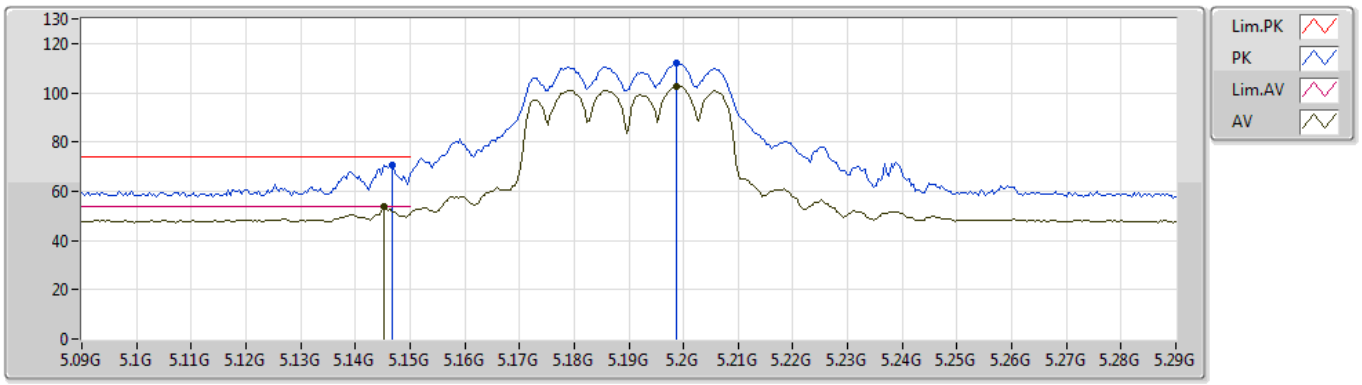
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65522G	64.20	74.00	-9.80	12.00	3	Horizontal	124	1.92	-
AV	11.65516G	48.41	54.00	-5.59	12.00	3	Horizontal	124	1.92	-
PK	17.47662G	63.44	68.20	-4.76	18.48	3	Horizontal	335	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

07/05/2019



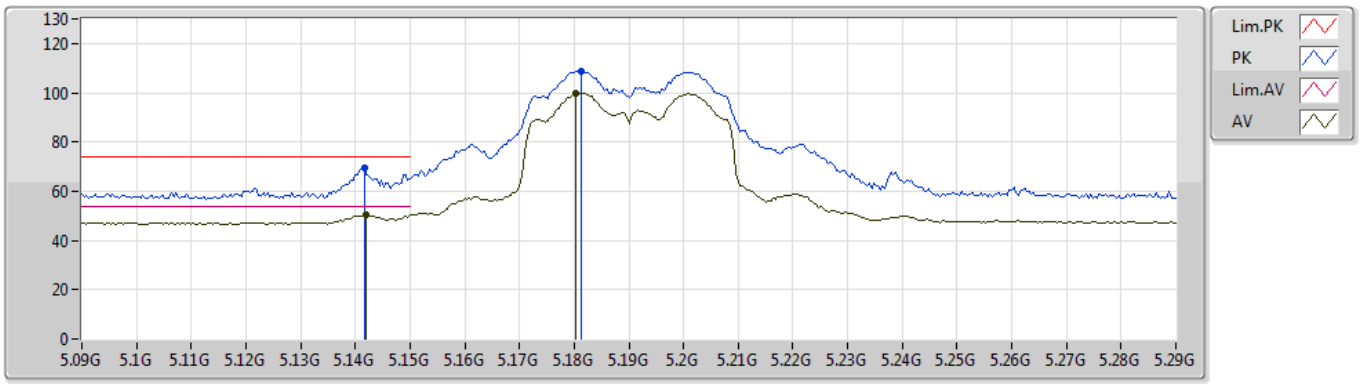
EUT Y_4TX
Setting 16
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1468G	70.85	74.00	-3.15	4.25	3	Vertical	67	1.42	-
AV	5.1452G	53.91	54.00	-0.09	4.25	3	Vertical	67	1.42	-
PK	5.1988G	111.81	Inf	-Inf	4.27	3	Vertical	67	1.42	-
AV	5.1988G	102.76	Inf	-Inf	4.27	3	Vertical	67	1.42	-

802.11ac VHT40_Nss1,(MCS0)_4TX

07/05/2019

5190MHz_TX



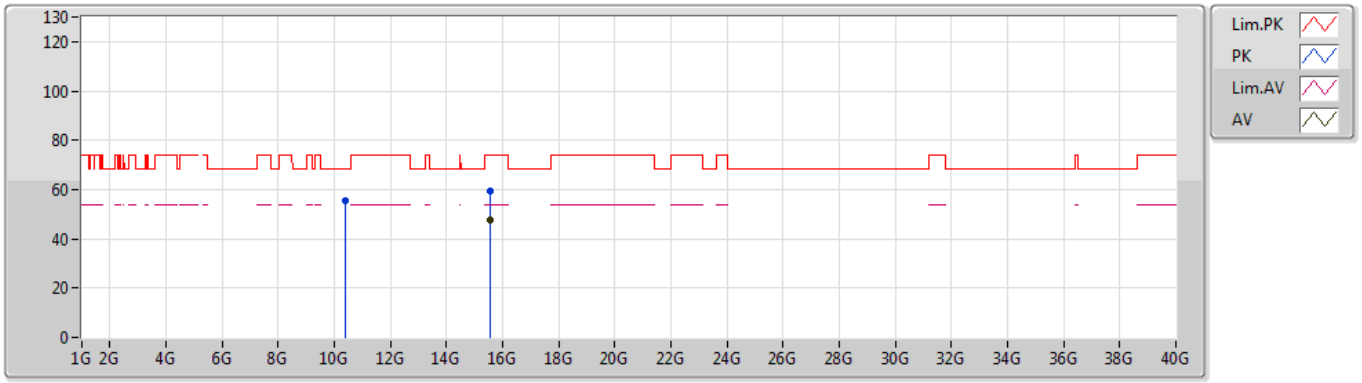
EUT Y_4TX
Setting 16
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1416G	69.38	74.00	-4.62	4.24	3	Horizontal	244	1.37	-
AV	5.142G	50.66	54.00	-3.34	4.24	3	Horizontal	244	1.37	-
PK	5.1812G	108.95	Inf	-Inf	4.26	3	Horizontal	244	1.37	-
AV	5.1804G	99.83	Inf	-Inf	4.26	3	Horizontal	244	1.37	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

07/05/2019



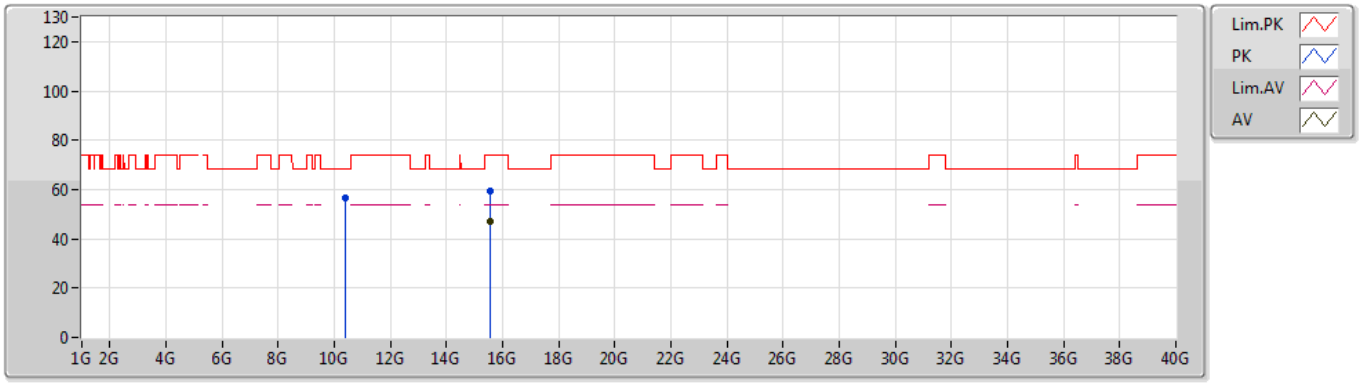
EUT Y_4TX
Setting 16
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.37992G	55.34	68.20	-12.86	10.88	3	Vertical	284	2.99	-
PK	15.5668G	59.61	74.00	-14.39	14.42	3	Vertical	360	1.01	-
AV	15.56616G	47.42	54.00	-6.58	14.42	3	Vertical	360	1.01	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

07/05/2019



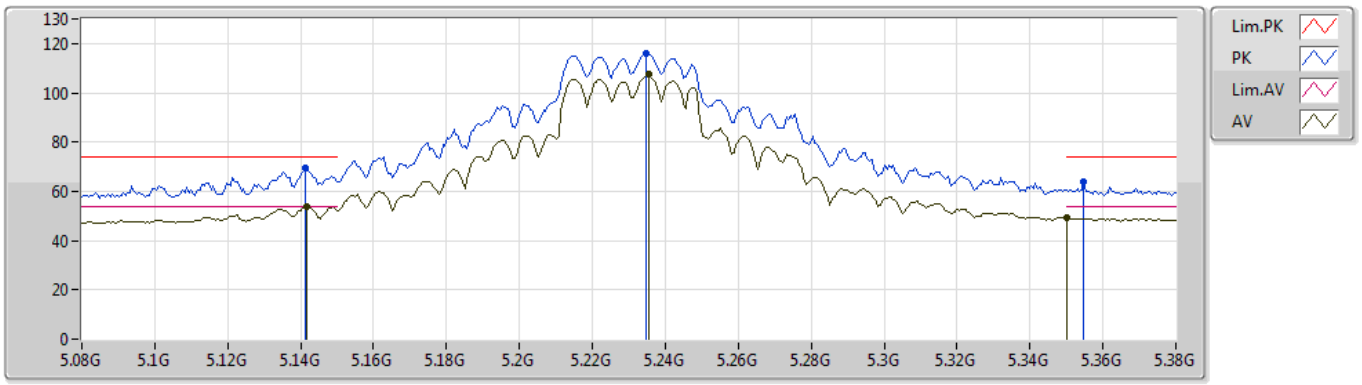
EUT Y_4TX
Setting 16
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.38G	56.78	68.20	-11.42	10.88	3	Horizontal	247	1.49	-
PK	15.58164G	59.41	74.00	-14.59	14.41	3	Horizontal	227	1.50	-
AV	15.58032G	47.28	54.00	-6.72	14.41	3	Horizontal	227	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

07/05/2019



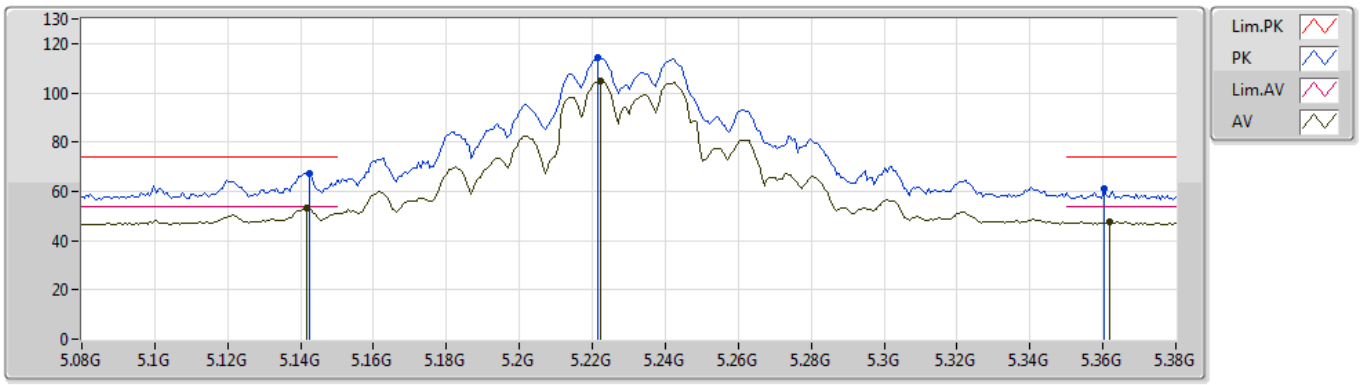
EUT Y_4TX
Setting 20.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1412G	69.31	74.00	-4.69	4.24	3	Vertical	4	1.57	-
AV	5.1418G	53.95	54.00	-0.05	4.24	3	Vertical	4	1.57	-
PK	5.2348G	116.20	Inf	-Inf	4.39	3	Vertical	4	1.57	-
AV	5.2354G	107.40	Inf	-Inf	4.40	3	Vertical	4	1.57	-
PK	5.3548G	63.72	74.00	-10.28	4.82	3	Vertical	4	1.57	-
AV	5.35G	49.57	54.00	-4.43	4.81	3	Vertical	4	1.57	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

07/05/2019



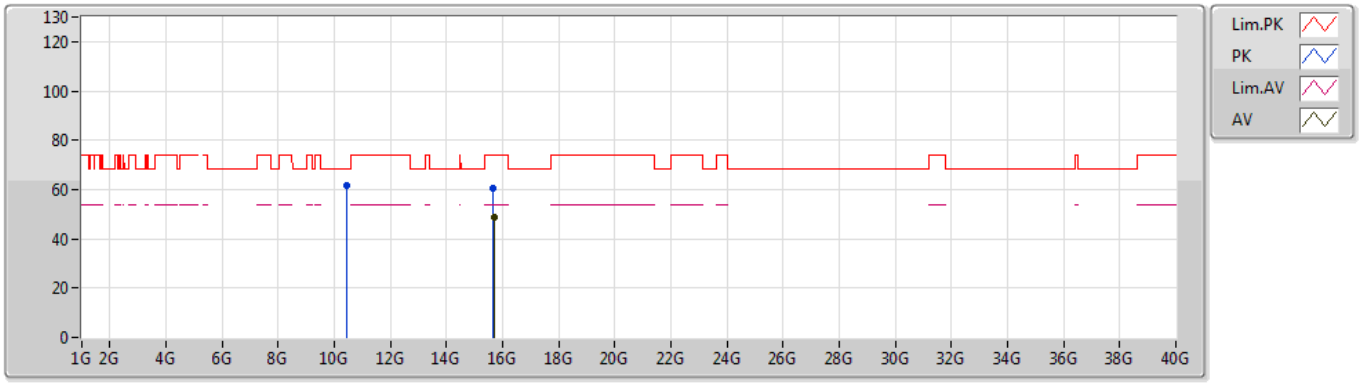
EUT Y_4TX
Setting 20.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1424G	67.50	74.00	-6.50	4.24	3	Horizontal	29	1.46	-
AV	5.1418G	52.99	54.00	-1.01	4.24	3	Horizontal	29	1.46	-
PK	5.2216G	114.17	Inf	-Inf	4.35	3	Horizontal	29	1.46	-
AV	5.2222G	104.95	Inf	-Inf	4.36	3	Horizontal	29	1.46	-
PK	5.3602G	61.08	74.00	-12.92	4.85	3	Horizontal	29	1.46	-
AV	5.362G	47.72	54.00	-6.28	4.86	3	Horizontal	29	1.46	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

07/05/2019



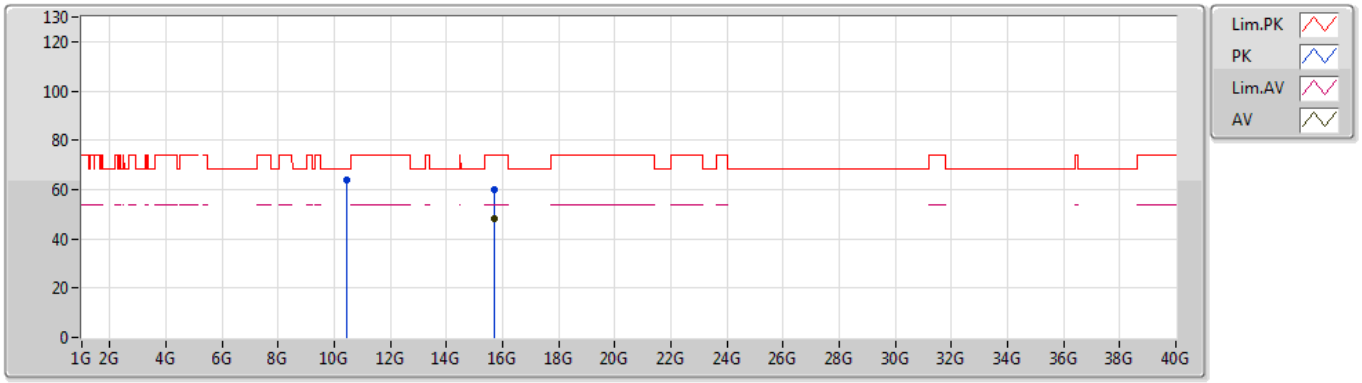
EUT Y_4TX
Setting 20.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.46084G	61.80	68.20	-6.40	10.98	3	Vertical	261	1.50	-
PK	15.67596G	60.72	74.00	-13.28	14.29	3	Vertical	56	1.48	-
AV	15.69648G	48.49	54.00	-5.51	14.27	3	Vertical	56	1.48	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

07/05/2019



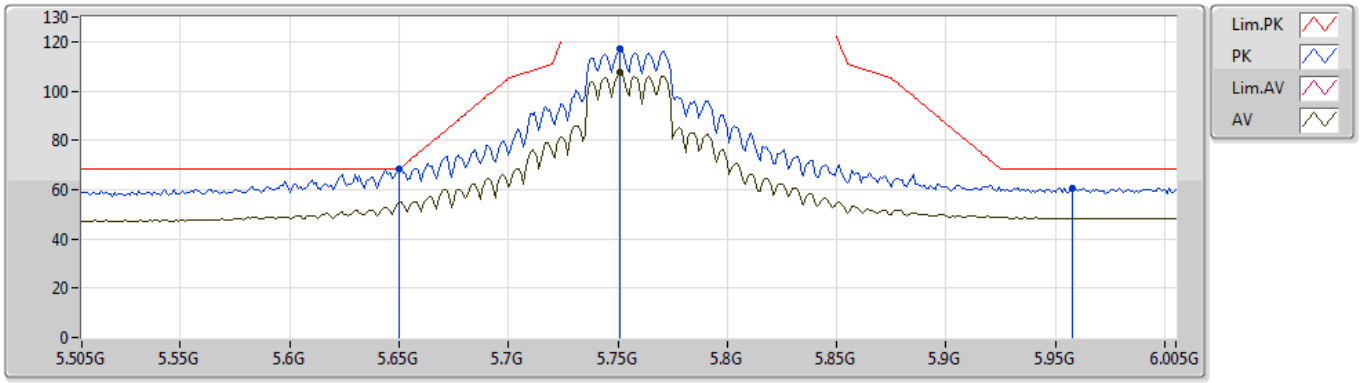
EUT Y_4TX
Setting 20.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.45928G	63.73	68.20	-4.47	10.98	3	Horizontal	247	1.49	-
PK	15.68928G	59.93	74.00	-14.07	14.28	3	Horizontal	301	1.50	-
AV	15.7038G	48.30	54.00	-5.70	14.26	3	Horizontal	301	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

07/05/2019



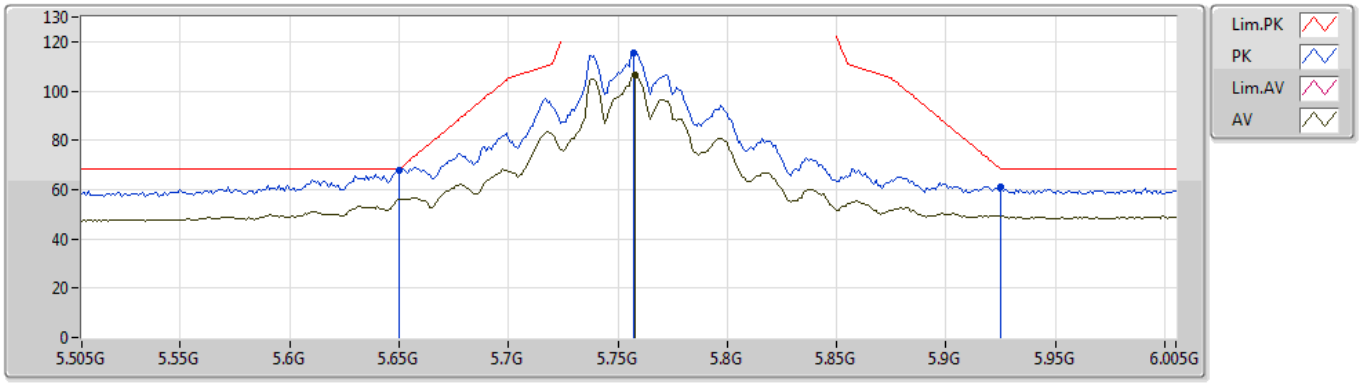
EUT Y_4TX
Setting 22.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.65G	68.18	68.20	-0.02	5.69	3	Vertical	290	1.50	-
PK	5.751G	117.02	Inf	-Inf	5.85	3	Vertical	290	1.50	-
AV	5.751G	107.42	Inf	-Inf	5.85	3	Vertical	290	1.50	-
PK	5.958G	60.72	68.20	-7.48	6.96	3	Vertical	290	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

07/05/2019



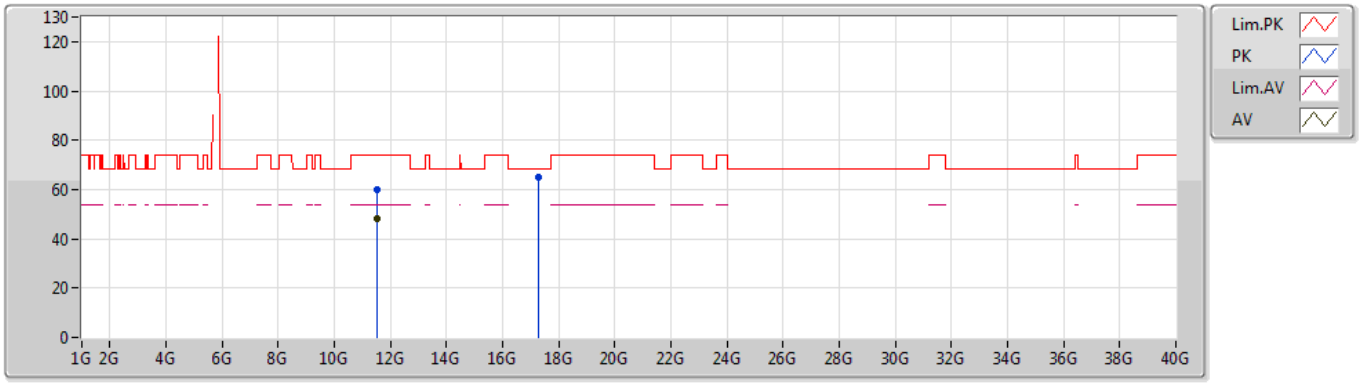
EUT Y_4TX
Setting 22.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.65G	67.83	68.20	-0.37	5.69	3	Horizontal	229	1.32	-
PK	5.757G	115.65	Inf	-Inf	5.86	3	Horizontal	229	1.32	-
AV	5.758G	106.21	Inf	-Inf	5.87	3	Horizontal	229	1.32	-
PK	5.925G	60.92	68.20	-7.28	6.81	3	Horizontal	229	1.32	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

07/05/2019



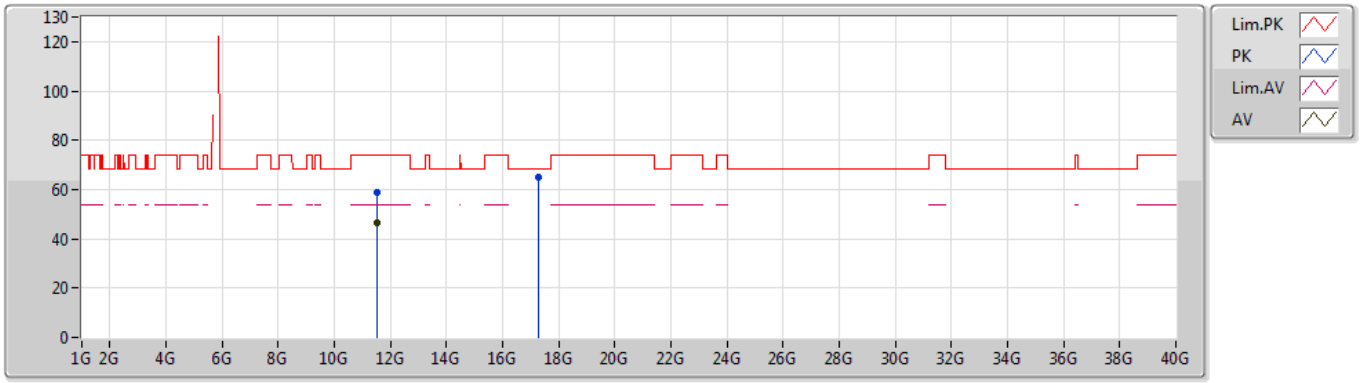
EUT Y_4TX
Setting 22.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51792G	59.75	74.00	-14.25	11.93	3	Vertical	83	2.63	-
AV	11.51762G	47.93	54.00	-6.07	11.93	3	Vertical	83	2.63	-
PK	17.28384G	64.79	68.20	-3.41	18.13	3	Vertical	263	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

07/05/2019

5755MHz_TX



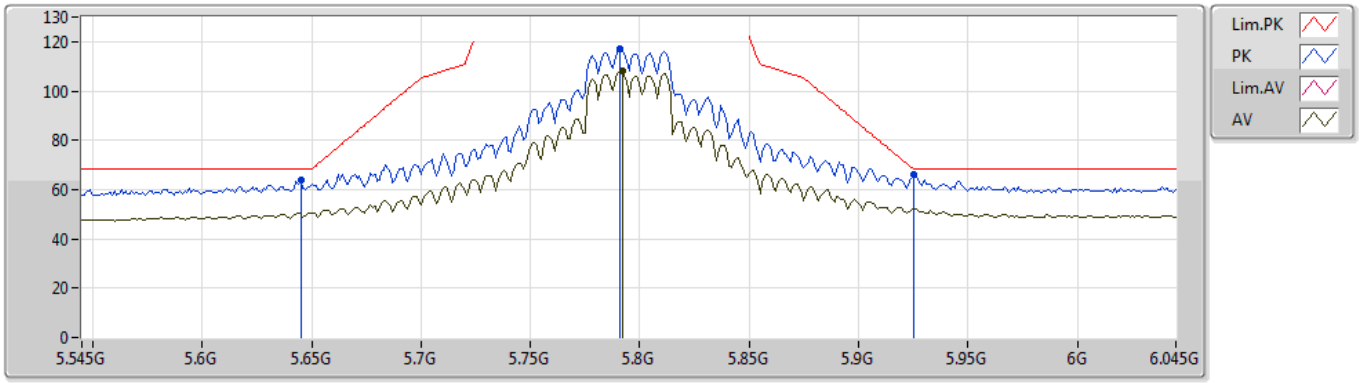
EUT Y_4TX
Setting 22.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51G	58.91	74.00	-15.09	11.93	3	Horizontal	318	1.34	-
AV	11.50988G	46.30	54.00	-7.70	11.93	3	Horizontal	318	1.34	-
PK	17.26512G	64.90	68.20	-3.30	18.10	3	Horizontal	333	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

07/05/2019



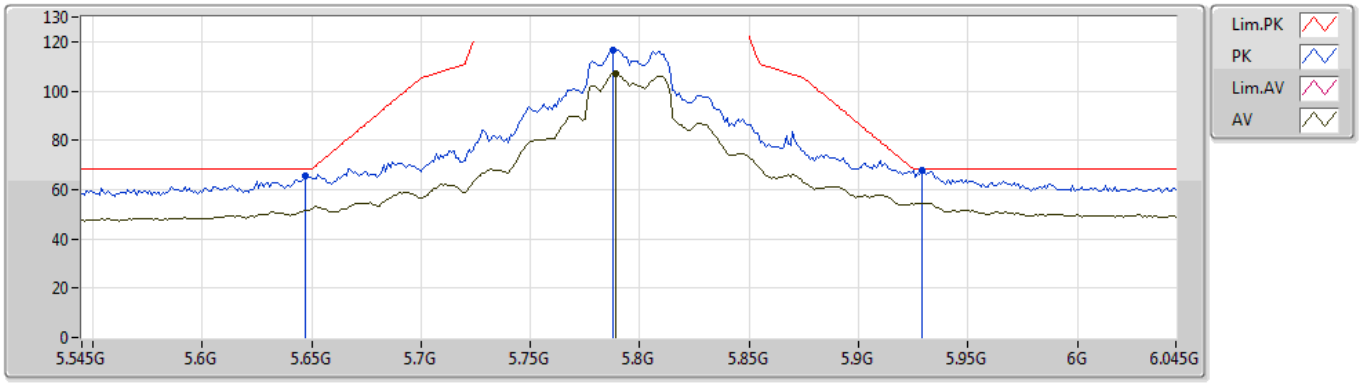
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.645G	64.08	68.20	-4.12	5.68	3	Vertical	289	1.49	-
PK	5.791G	117.23	Inf	-Inf	5.94	3	Vertical	289	1.49	-
AV	5.792G	108.19	Inf	-Inf	5.94	3	Vertical	289	1.49	-
PK	5.925G	65.88	68.20	-2.32	6.81	3	Vertical	289	1.49	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

07/05/2019



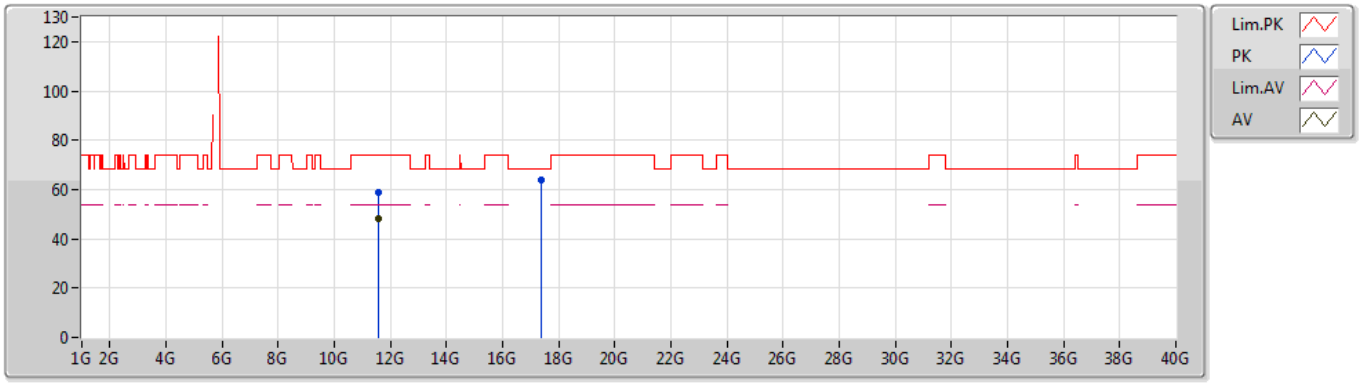
EUT Y_4TX
Setting 23
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.647G	65.30	68.20	-2.90	5.69	3	Horizontal	168	2.60	-
PK	5.788G	116.55	Inf	-Inf	5.94	3	Horizontal	168	2.60	-
AV	5.789G	107.30	Inf	-Inf	5.94	3	Horizontal	168	2.60	-
PK	5.929G	67.98	68.20	-0.22	6.83	3	Horizontal	168	2.60	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

07/05/2019



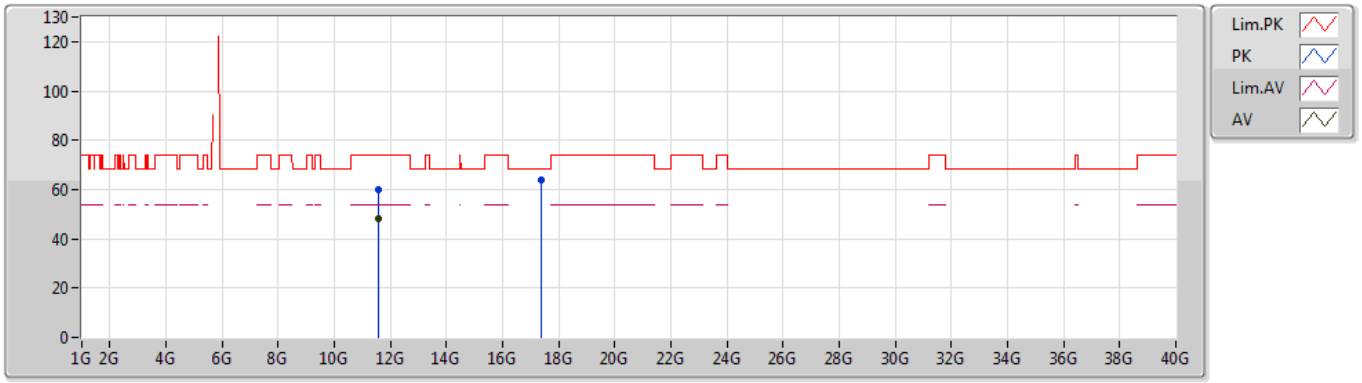
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59066G	58.77	74.00	-15.23	11.97	3	Vertical	247	1.59	-
AV	11.59G	47.96	54.00	-6.04	11.97	3	Vertical	247	1.59	-
PK	17.38398G	64.05	68.20	-4.15	18.31	3	Vertical	263	1.52	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

07/05/2019



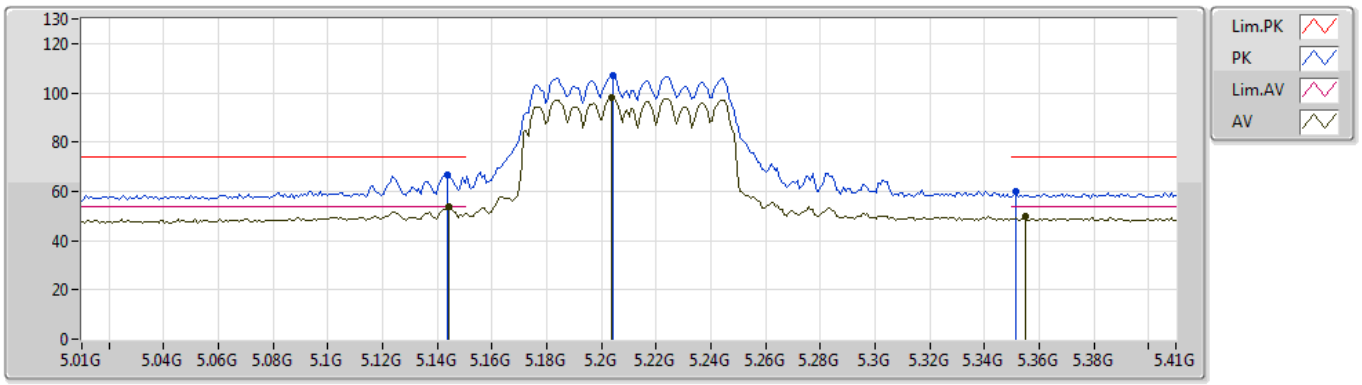
EUT Y_4TX
Setting 23
01-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58916G	59.79	74.00	-14.21	11.97	3	Horizontal	318	2.35	-
AV	11.59G	48.34	54.00	-5.66	11.97	3	Horizontal	318	2.35	-
PK	17.3847G	63.71	68.20	-4.49	18.31	3	Horizontal	334	1.50	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

07/05/2019



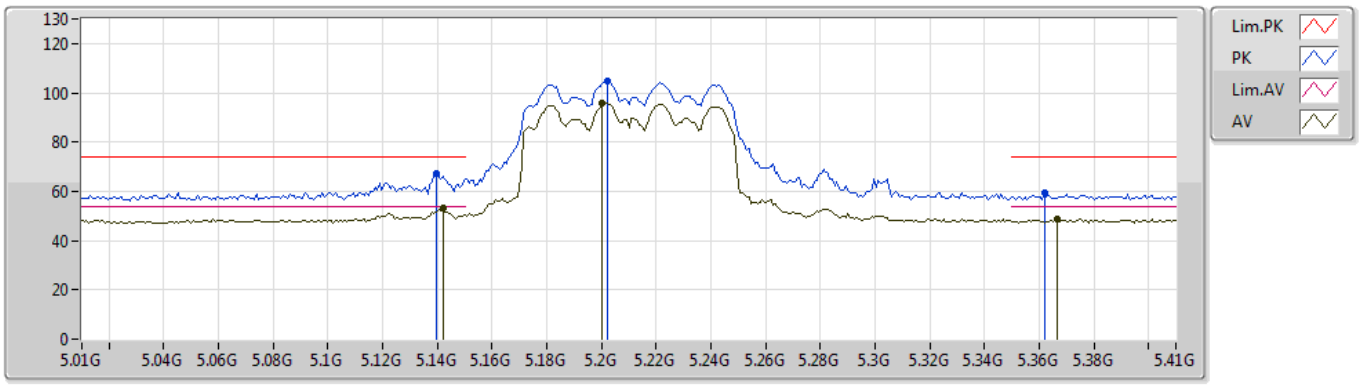
EUT Y_4TX
Setting 14
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1436G	66.87	74.00	-7.13	4.24	3	Vertical	0	2.66	-
AV	5.1444G	53.62	54.00	-0.38	4.24	3	Vertical	0	2.66	-
PK	5.2044G	106.91	Inf	-Inf	4.28	3	Vertical	0	2.66	-
AV	5.2036G	98.28	Inf	-Inf	4.28	3	Vertical	0	2.66	-
PK	5.3516G	60.00	74.00	-14.00	4.81	3	Vertical	0	2.66	-
AV	5.3548G	49.62	54.00	-4.38	4.82	3	Vertical	0	2.66	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

07/05/2019



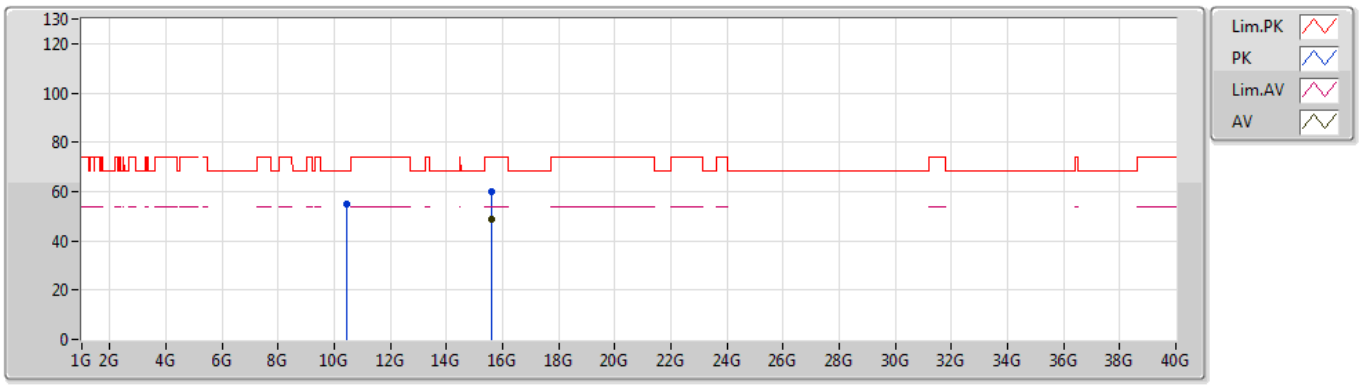
EUT Y_4TX
Setting 14
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1396G	67.11	74.00	-6.89	4.24	3	Horizontal	242	1.50	-
AV	5.142G	53.33	54.00	-0.67	4.24	3	Horizontal	242	1.50	-
PK	5.202G	104.66	Inf	-Inf	4.28	3	Horizontal	242	1.50	-
AV	5.2004G	95.71	Inf	-Inf	4.27	3	Horizontal	242	1.50	-
PK	5.362G	59.22	74.00	-14.78	4.86	3	Horizontal	242	1.50	-
AV	5.3668G	48.72	54.00	-5.28	4.87	3	Horizontal	242	1.50	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

07/05/2019



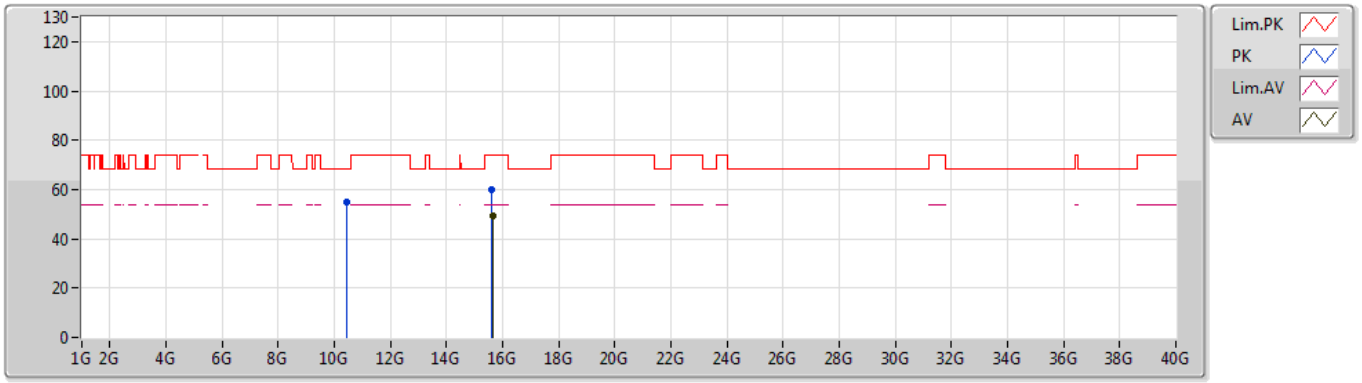
EUT Y_4TX
Setting 14
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.41994G	54.80	68.20	-13.40	10.93	3	Vertical	287	2.80	-
PK	15.63072G	59.90	74.00	-14.10	14.34	3	Vertical	181	2.29	-
AV	15.6269G	49.03	54.00	-4.97	14.35	3	Vertical	181	2.29	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

07/05/2019



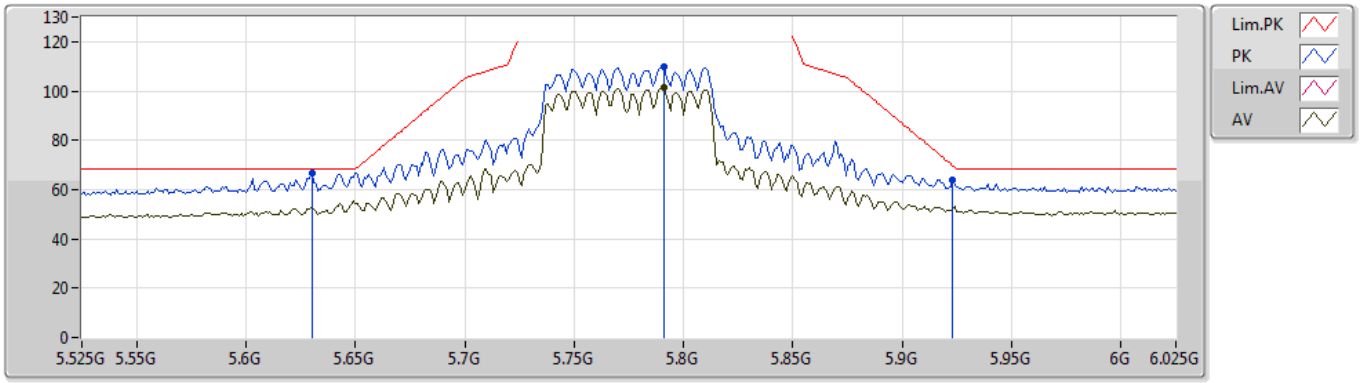
EUT Y_4TX
Setting 14
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4288G	54.85	68.20	-13.35	10.95	3	Horizontal	284	1.49	-
PK	15.62488G	60.21	74.00	-13.79	14.36	3	Horizontal	100	1.83	-
AV	15.63152G	49.11	54.00	-4.89	14.34	3	Horizontal	100	1.83	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

07/05/2019



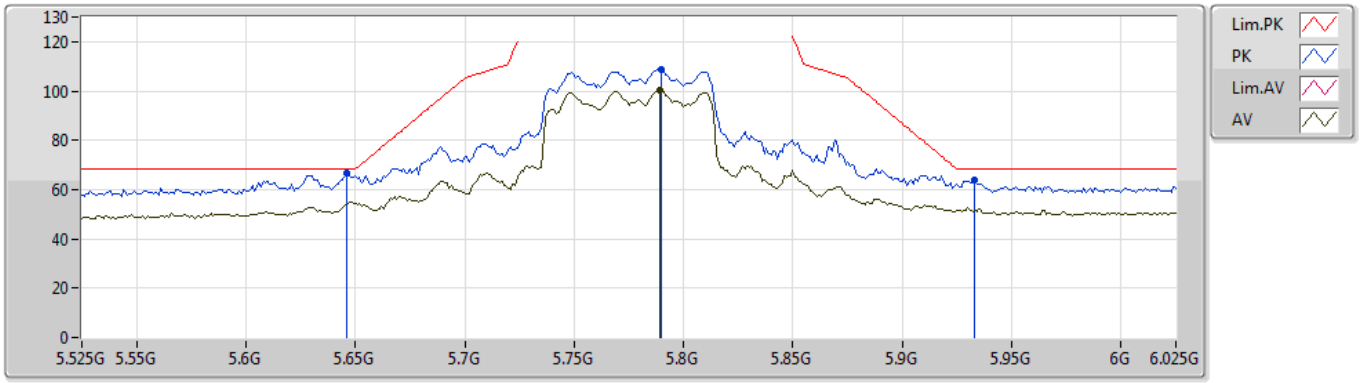
EUT Y_4TX
Setting 18.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.63G	66.92	68.20	-1.28	5.67	3	Vertical	294	1.50	-
PK	5.791G	109.68	Inf	-Inf	5.94	3	Vertical	294	1.50	-
AV	5.791G	101.46	Inf	-Inf	5.94	3	Vertical	294	1.50	-
PK	5.923G	63.65	69.68	-6.03	6.81	3	Vertical	294	1.50	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

07/05/2019



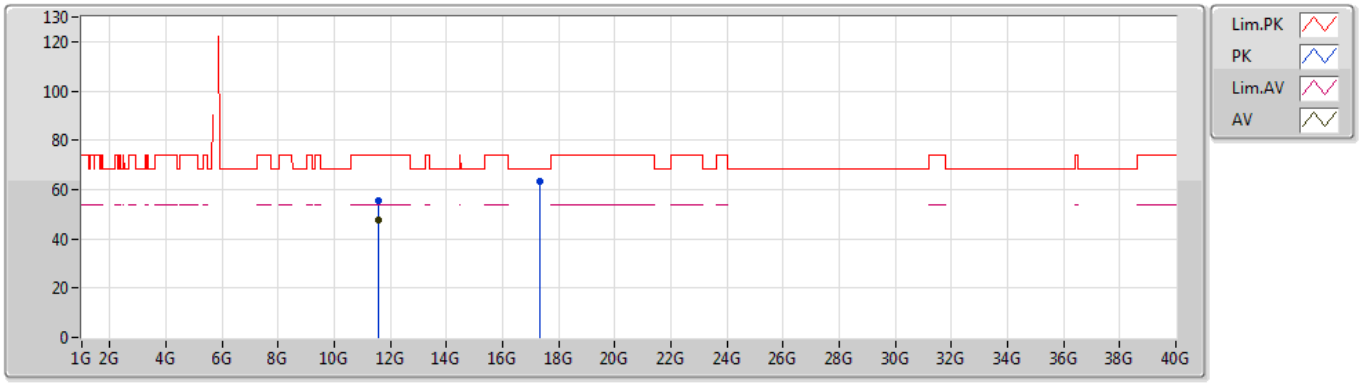
EUT Y_4TX
Setting 18.5
01-C-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.646G	66.51	68.20	-1.69	5.69	3	Horizontal	169	2.59	-
PK	5.79G	108.54	Inf	-Inf	5.94	3	Horizontal	169	2.59	-
AV	5.789G	100.05	Inf	-Inf	5.94	3	Horizontal	169	2.59	-
PK	5.933G	64.14	68.20	-4.06	6.85	3	Horizontal	169	2.59	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

07/05/2019



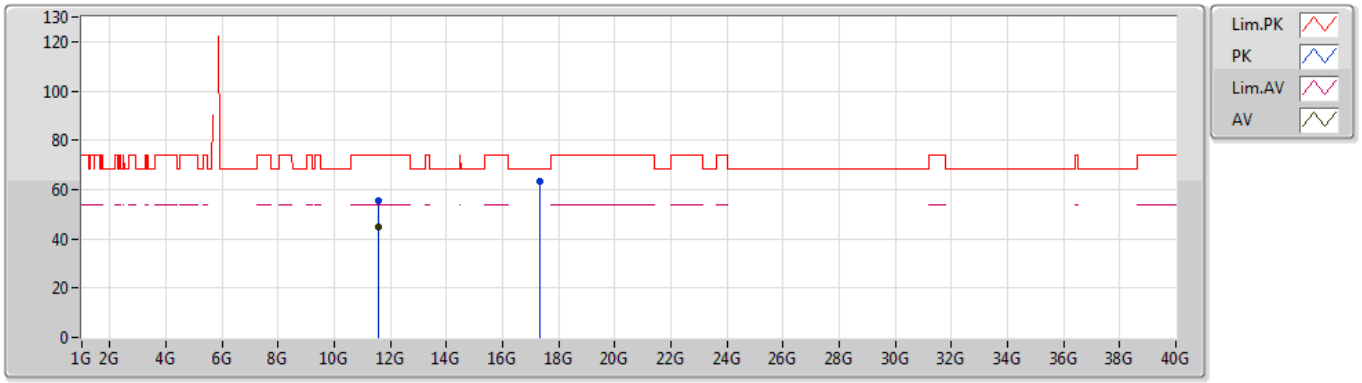
EUT Y_4TX
Setting 18.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.54996G	55.48	74.00	-18.52	11.95	3	Vertical	246	1.65	-
AV	11.55004G	47.78	54.00	-6.22	11.95	3	Vertical	246	1.65	-
PK	17.32548G	63.31	68.20	-4.89	18.21	3	Vertical	263	2.86	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

07/05/2019



EUT Y_4TX
Setting 18.5
01-C-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.55006G	55.58	74.00	-18.42	11.95	3	Horizontal	319	1.43	-
AV	11.54994G	45.05	54.00	-8.95	11.95	3	Horizontal	319	1.43	-
PK	17.32726G	63.52	68.20	-4.68	18.22	3	Horizontal	255	2.51	-