FCC Test Report

Equipment	:	Wireless-AC9600 Dual-band Gigabit Router, ROG Rapture Aura 10G Gaming Router, Ultimate Gaming Router, ASUS ROG Raputre AC9600 Ultimate 10G Gaming Router, Wireless-AC9600 Dual-band 10G Gigabit Router
Brand Name	:	ASUS
Model No.	:	GT-AC9600, RT-AC9600R, ROG Rapture GT-AC9600, ROG Aura Rapture GT-AC9600
FCC ID	:	MSQ-RTG03H
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5250 MHz – 5350 MHz 5470 MHz – 5725 MHz
Applicant	:	ASUSTeK COMPUTER INC. 4F, No. 150, Li-Te Rd., Peitou, Taipei 112, Taiwan
Manufacturer(1)	:	ASKEY TECHNOLOGY (JIANG SU) LTD NO1388, Jiao Tong Road, Wujiang Economic Technological Development Area Jiangsu Province 215200 China
Manufacturer(2)	:	Compal Networking (KunShan) Co., LTD. No. 520, Nabbang Rd., Economic & Technical Development Zone Kunshan, Jiangsu Province China
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☐ Client
TPC Function	:	TPC

The product sample received on Jan. 09, 2017 and completely tested on May 03, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Cliff Chang
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

Table of Contents

1 GENERAL DESCRIPTION 5

1.1 Information 5
1.2 Testing Applied Standards 9
1.3 Testing Location Information 9
1.4 Measurement Uncertainty 10

2 TEST CONFIGURATION OF EUT 11

2.1 Test Channel Mode 11
2.2 The Worst Case Measurement Configuration 13
2.3 EUT Operation during Test 13
2.4 Accessories 13
2.5 Support Equipment 14
2.6 Test Setup Diagram 15

3 TRANSMITTER TEST RESULT 16

3.1 Emission Bandwidth 16
3.2 Maximum Conducted Output Power 17
3.3 Peak Power Spectral Density 19
3.4 Unwanted Emissions 22
3.5 Frequency Stability 25

4 TEST EQUIPMENT AND CALIBRATION DATA 26

APPENDIX A. TEST RESULTS OF EMISSION BANDWIDTH

APPENDIX B. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER

APPENDIX C. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY

APPENDIX D. TEST RESULTS OF UNWANTED EMISSIONS

APPENDIX E. TEST RESULTS OF FREQUENCY STABILITY

APPENDIX F. TEST PHOTOS

PHOTOGRAPHS OF EUT V01

Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.407(a)	Emission Bandwidth	Complied
3.2	15.407(a)	Maximum Conducted Output Power	Complied
3.3	15.407(a)	Peak Power Spectral Density	Complied
3.4	15.407(b)	Unwanted Emissions	Complied
3.5	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR690618-01	Rev. 01	Initial issue of report	May 10, 2017

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5150-5350	ac (VHT160)	5250	50 [1]
5470-5725		5570	114[1]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	8TX
5.25-5.35GHz	802.11n HT20	20	8TX
5.25-5.35GHz	802.11ac VHT20	20	8TX
5.25-5.35GHz	802.11n HT40	20	8TX
5.25-5.35GHz	802.11ac VHT40	40	8TX
5.25-5.35GHz	802.11ac VHT80	80	8TX
5.25-5.35GHz	802.11ac VHT160	160	8TX
5.47-5.725GHz	802.11a	20	8TX
5.47-5.725GHz	802.11n HT20	20	8TX
5.47-5.725GHz	802.11ac VHT20	20	8TX
5.47-5.725GHz	802.11n HT40	40	8TX
5.47-5.725GHz	802.11ac VHT40	40	8TX
5.47-5.725GHz	802.11ac VHT80	80	8TX
5.47-5.725GHz	802.11ac VHT160	160	8TX

Note: For 802.11n/ac supports 2~8stream function only.

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 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.	Brand	P/N	Type	Connector	Antenna Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
					2.4GHz	5GHz	2.4GHz	5GHz	2.4GHz	5GHz
1	Whayu	C660-510401-A	Dipole	I-PEX	-	3.5	-	1.13	-	2.37
2	Whayu	C660-510402-A	Dipole	I-PEX	-	3.5	-	0.9	-	2.6
3	Whayu	C660-510403-A	Dipole	I-PEX	-	3.5	-	0.6	-	2.9
4	Whayu	C660-510404-A	Dipole	I-PEX	-	3.5	-	0.5	-	3
5	Whayu	C660-510404-A	Dipole	I-PEX	2.5	3.5	0.37	0.5	2.13	3
6	Whayu	C660-510403-A	Dipole	I-PEX	2.5	3.5	0.4	0.6	2.1	2.9
7	Whayu	C660-510405-A	Dipole	I-PEX	2.5	3.5	0.48	0.68	2.02	2.82
8	Whayu	C660-510402-A	Dipole	I-PEX	2.5	3.5	0.6	0.9	1.9	2.6

Note: The EUT has eight antennas.

For 2.4GHz WLAN Function (4TX/4RX):

Ant. 5 (Port 1), Ant. 6 (Port 2), Ant. 7 (Port 3) and Ant. 8 (Port 4) could transmit/receive simultaneously.

For 5GHz WLAN Function (8TX/8RX):

Ant. 1 (Port 1), Ant. 2 (Port 2), Ant. 3 (Port 3), Ant. 4 (Port 4), Ant. 5 (Port 8), Ant. 6 (Port 7), Ant. 7 (Port 6) and Ant. 8 (Port 5) could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

For 8T2S

Mode	DC	DCF(dB)
802.11a	0.912	0.4
802.11ac VHT20	0.988	0.052
802.11ac VHT40	0.984	0.07
802.11ac VHT80	0.959	0.182

For 8T2S 160M

Mode	DC	DCF(dB)
802.11ac VHT160	0.958	0.186

For 8T4S:

Mode	DC	DCF(dB)
802.11ac VHT20	0.99	0.044

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

1.1.5 Table for Multiple Listing

1. The EUT has five equipment names which are identical to each other in all aspects excepts for the following table:

Equipment Names	**Description**
Wireless-AC9600 Dual-band Gigabit Router	The difference equipment names served as marketing strategy.
ROG Rapture Aura 10G Gaming Router	
Ultimate Gaming Router	
ASUS ROG Raputre AC9600 Ultimate 10G Gaming Router	
Wireless-AC9600 Dual-band 10G Gigabit Router	

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

Model Name	**Description**
GT-AC9600	The difference model served as marketing strategy.
RT-AC9600R	
ROG Rapture GT-AC9600	
ROG Aura Rapture GT-AC9600	

From the above models, equipment name: Wireless-AC9600 Dual-band Gigabit Router, model number: GT-AC9600 was selected as representative model for the test and its data was recorded in this report.

3. The EUT has two SKU which are identical to each other in all aspects except for the following table:

SKU / Description	SKU 1	SKU 2
Vendor	MINGTEK	SWAP
LAN port transformer (Model No.)	HN8031VG	NS777202A

Note: The SKU does not affect the test result of RF tests, so only SKU 1 was tested and recorded in this report.

1.1.6 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR690618

Below is the table for the change of the product with respect to the original one.

Description	Performance Checking
1. Adding 5 GHz Band 2 and Band3 (5250~5350 MHz, 5470~5725 MHz) 2. Adding 160MHz of Bandwidth.(5250 and 5570 MHz)	1. Emission Bandwidth 2. Maximum Conducted Output Power 3. Peak Power Spectral Density 4. Unwanted Emissions 5. Frequency Stability

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v01r04
- FCC KDB 644545 D03 v01
- FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Serway Li / Ron Huang	20°C / 55%	Apr. 13, 2017~May 03, 2017
Radiated	03CH01-CB	Mason Chen / Joy Tseng Welson Chen / Paul Chen	21°C / 50%	Apr. 08, 2017~Apr. 21, 2017

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
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%
Frequency Stability	6.06×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For 8T2S:

Band	Power Setting
802.11a_(6Mbps)_8TX	-
5260MHz	11/10
5300MHz	11/11
5320MHz	11/11
5500MHz	11/11
5580MHz	11/11
5700MHz	11/12
5720MHz Straddle 5.47-5.725GHz	12/11
5720MHz Straddle 5.725-5.85GHz	12/11
802.11ac VHT20_Nss2,(MCS0)_8TX	-
5260MHz	11/11
5300MHz	11/11
5320MHz	11/11
5500MHz	11/11
5580MHz	11/11
5700MHz	12/12
5720MHz Straddle 5.47-5.725GHz	11/12
5720MHz Straddle 5.725-5.85GHz	11/12
802.11ac VHT40_Nss2,(MCS0)_8TX	-
5270MHz	13/12
5310MHz	12/12
5510MHz	13/12
5550MHz	13/12
5670MHz	13/13
5710MHz Straddle 5.47-5.725GHz	14/14
5710MHz Straddle 5.725-5.85GHz	14/14
802.11ac VHT80_Nss2,(MCS0)_8TX	-
5290MHz	12/11
5530MHz	12/13
5610MHz	13/13
5690MHz Straddle 5.47-5.725GHz	14/14
5690MHz Straddle 5.725-5.85GHz	14/14

For 8T2S 160M

Band	Power Setting
802.11ac VHT160_Nss2,(MCS0)_8TX	-
5250MHz	17/16
5250MHz	17/16
5570MHz	15/14

For 8T4S:

Band	Power Setting
802.11ac VHT20_Nss4,(MCS0)_8TX	-
5260MHz	17/17
5300MHz	17/17
5320MHz	17/17
5500MHz	17/17
5580MHz	17/17
5700MHz	18/18
5720MHz Straddle 5.47-5.725GHz	18/18
5720MHz Straddle 5.725-5.85GHz	18/18

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	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
1	EUT in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	2.4GHz WLAN + 5GHz WLAN
Refer to Sporton Test Report No.: FA690918-01 for Co-location RF Exposure Evaluation.	

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

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Power	**Brand**	**Model No.**	**Rating**
Adapter 1	DELTA	ADP-65DW B	INPUT: 100-240V~50-60Hz 1.5A OUTPUT: 19V═3.42A
Adapter 2	LITEON	PA-1650-63	INPUT: 100-240V~50-60Hz 1.7A OUTPUT: 19V═3.42A
Adapter 3	PI	AD887320	INPUT: 100-240V~50/60Hz 1.5A OUTPUT: 19V═3.42A
Other			
RJ-45 cable*1: Non-shielded, 1.5m			

Note: Adapter does not affect the radio tests, there is only adapter 2 tested and recorded in this report.

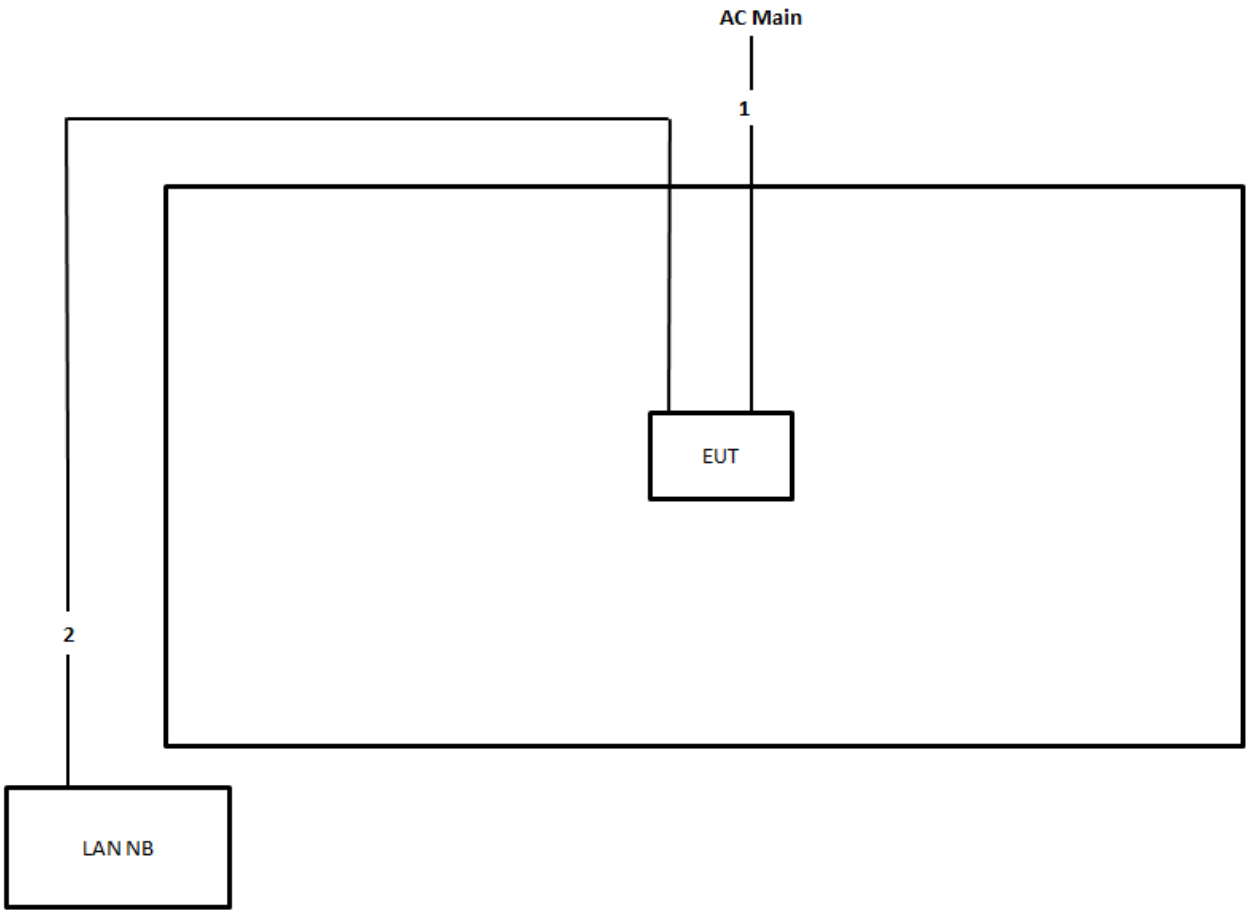
2.5 Support Equipment

For Test Site No: 03CH01-CB / TH01-CB

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

2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	2.3m
2	RJ-45 cable	No	10m

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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.

3.1.2 Measuring Instruments

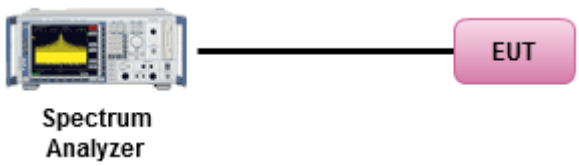
Refer a test equipment and calibration data table in this test report.

3.1.3 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.

3.1.4 Test Setup

Emission Bandwidth



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.	

3.2.2 Measuring Instruments

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

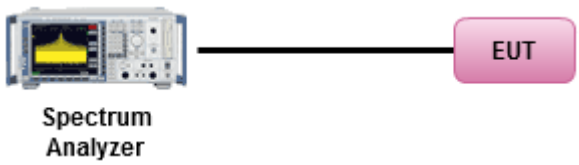
3.2.3 Test Procedures

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]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

For Straddle channel test:

RF Output Power (Spectrum Analyzer)



For other test:

RF Output Power (Power Meter)

3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ 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 and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

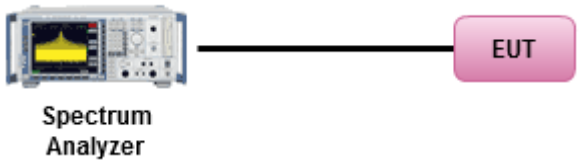
Refer a test equipment and calibration data table in this test report.

3.3.3 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]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup

Power Spectral Density



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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).

3.4.2 Measuring Instruments

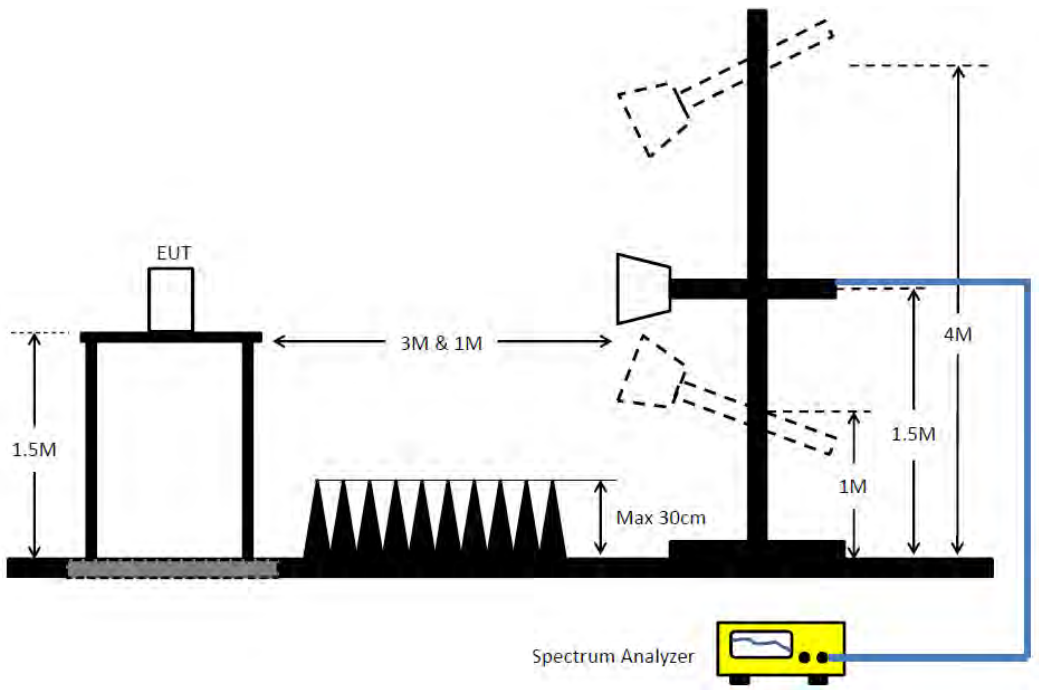
Refer a test equipment and calibration data table in this test report.

3.4.3 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 H)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		☒	Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
		☐	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒	Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
		☐	Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.			

3.4.4 Test Setup

Above 1GHz



3.4.5 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

3.5 Frequency Stability

3.5.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
▪ N/A
IEEE Std. 802.11
▪ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

3.5.2 Measuring Instruments

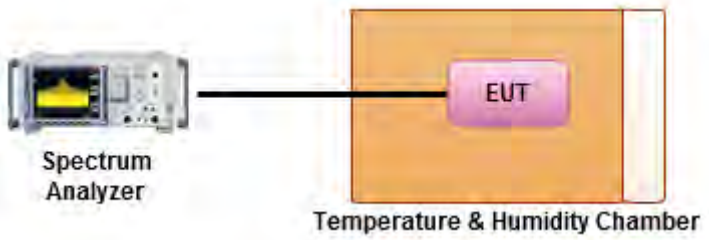
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	▪ Frequency stability with respect to ambient temperature
	▪ Frequency stability when varying supply voltage
	▪ Extreme temperature is 0˚C~40˚C.

3.5.4 Test Setup

Frequency Stability



3.5.5 Test Result of Frequency Stability

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)

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

802.11a_(6Mbps)_8TX, 802.11ac VHT20_Nss2,(MSC0)_8TX, 802. 11ac VHT40_Nss2,(MSC0)_8TX and 802.11ac VHT80_Nss2,(MCS0)_8TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_8TX	-	-	-	-	-
5.25-5.35GHz	23.65M	16.642M	16M6D1D	22.325M	16.542M
5.47-5.725GHz	23.675M	16.642M	16M6D1D	15.9M	13.253M
5.725-5.85GHz	3.14M	4.098M	4M10D1D	3.12M	3.898M
802.11ac VHT20_Nss2,(MCS0)_8TX	-	-	-	-	-
5.25-5.35GHz	24.575M	17.841M	17M8D1D	23.875M	17.716M
5.47-5.725GHz	24.5M	17.841M	17M8D1D	16.17M	13.898M
5.725-5.85GHz	3.86M	4.338M	4M34D1D	3.72M	4.278M
802.11ac VHT40_Nss2,(MCS0)_8TX	-	-	-	-	-
5.25-5.35GHz	42.95M	36.332M	36M3D1D	42.4M	36.232M
5.47-5.725GHz	43.05M	36.332M	36M3D1D	36.12M	32.954M
5.725-5.85GHz	3.22M	3.758M	3M76D1D	3.1M	3.658M
802.11ac VHT80_Nss2,(MCS0)_8TX	-	-	-	-	-
5.25-5.35GHz	87.5M	75.762M	75M8D1D	86.3M	75.562M
5.47-5.725GHz	87.3M	75.762M	75M8D1D	77.775M	72.339M
5.725-5.85GHz	3.16M	4.538M	4M54D1D	3.1M	4.338M

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

Result

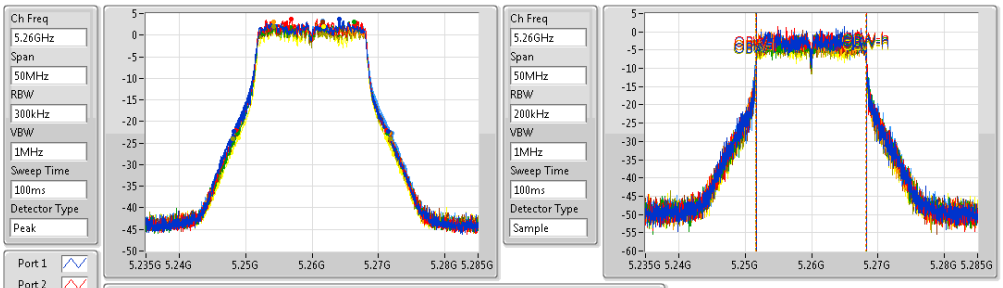
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11a_(6 Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	23.25M	16.542M	22.7M	16.592M	22.65M	16.642M	23.15M	16.567M	23.1M	16.567M	23.6M	16.617M	23.625M	16.592M	22.325M	16.567M
5300MHz	Pass	Inf	23.25M	16.542M	22.75M	16.617M	22.5M	16.617M	23.175M	16.567M	23M	16.567M	23.5M	16.567M	23.65M	16.642M	22.375M	16.592M
5320MHz	Pass	Inf	23.175M	16.542M	22.775M	16.567M	22.525M	16.567M	23.175M	16.592M	23.125M	16.617M	23.475M	16.592M	23.575M	16.642M	22.325M	16.567M
5500MHz	Pass	Inf	23.4M	16.592M	22.85M	16.642M	22.6M	16.617M	23.275M	16.567M	23.325M	16.592M	23.525M	16.617M	23.675M	16.592M	22.3M	16.592M
5580MHz	Pass	Inf	23.5M	16.592M	22.825M	16.642M	22.775M	16.592M	23.025M	16.567M	23.225M	16.542M	23.4M	16.617M	23.425M	16.567M	22.15M	16.567M
5700MHz	Pass	Inf	23.325M	16.567M	22.6M	16.617M	22.575M	16.642M	23.25M	16.567M	22.9M	16.517M	23.425M	16.617M	23.05M	16.592M	22.25M	16.617M
5720MHz Straddle 5.47-5.725 GHz	Pass	Inf	16.59M	13.358M	15.9M	13.298M	16.14M	13.388M	16.23M	13.343M	15.915M	13.253M	16.47M	13.388M	16.185M	13.388M	16.005M	13.328M
5720MHz Straddle 5.725-5.85 GHz	Pass	500k	3.14M	3.898M	3.14M	3.898M	3.14M	3.958M	3.14M	3.898M	3.14M	4.098M	3.14M	3.958M	3.12M	3.958M	3.12M	3.918M
802.11ac VHT20_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	24.3M	17.791M	24.025M	17.741M	24.45M	17.791M	24.1M	17.741M	24.45M	17.791M	24.325M	17.791M	24.5M	17.791M	23.875M	17.741M
5300MHz	Pass	Inf	24.375M	17.841M	24.5M	17.816M	24.575M	17.841M	24.275M	17.766M	24.25M	17.791M	24.325M	17.791M	24.325M	17.791M	23.9M	17.766M
5320MHz	Pass	Inf	24.275M	17.816M	23.95M	17.816M	24.325M	17.791M	24.475M	17.766M	24.35M	17.816M	24.2M	17.741M	24.25M	17.791M	24.05M	17.716M
5500MHz	Pass	Inf	24.225M	17.766M	24.35M	17.741M	24.35M	17.791M	24.025M	17.766M	24.5M	17.791M	24.4M	17.791M	24.35M	17.816M	23.925M	17.766M
5580MHz	Pass	Inf	24.2M	17.791M	24.325M	17.766M	24.45M	17.766M	24.475M	17.791M	24.2M	17.841M	24.225M	17.766M	24.25M	17.791M	24.275M	17.741M
5700MHz	Pass	Inf	24.35M	17.816M	24.075M	17.791M	24.475M	17.741M	24.2M	17.791M	24.35M	17.841M	24.275M	17.766M	24.325M	17.841M	23.575M	17.766M
5720MHz Straddle 5.47-5.725 GHz	Pass	Inf	16.56M	13.928M	16.365M	13.898M	16.71M	13.928M	16.68M	13.898M	16.47M	13.943M	16.305M	13.898M	16.47M	13.958M	16.17M	13.898M
5720MHz Straddle 5.725-5.85 GHz	Pass	500k	3.84M	4.318M	3.76M	4.338M	3.76M	4.318M	3.86M	4.278M	3.76M	4.338M	3.76M	4.298M	3.82M	4.318M	3.72M	4.338M
802.11ac VHT40_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	42.4M	36.282M	42.85M	36.232M	42.5M	36.232M	42.65M	36.332M	42.6M	36.282M	42.6M	36.282M	42.75M	36.232M	42.95M	36.282M
5310MHz	Pass	Inf	42.75M	36.282M	42.65M	36.282M	42.55M	36.232M	42.95M	36.282M	42.65M	36.232M	42.5M	36.232M	42.5M	36.232M	42.7M	36.232M
5510MHz	Pass	Inf	42.45M	36.282M	42.55M	36.182M	42.65M	36.232M	42.75M	36.232M	42.55M	36.182M	42.8M	36.282M	42.4M	36.232M	42.8M	36.332M
5550MHz	Pass	Inf	42.8M	36.182M	42.6M	36.332M	42.65M	36.332M	42.85M	36.332M	42.55M	36.182M	42.55M	36.232M	42.6M	36.232M	42.75M	36.282M

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)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
5670MHz	Pass	Inf	42.55M	36.282M	42.95M	36.282M	42.45M	36.282M	42.8M	36.332M	42.8M	36.232M	42.65M	36.232M	42.4M	36.232M	43.05M	36.332M
5710MHz Straddle 5.47-5.725 GHz	Pass	Inf	36.12M	32.954M	36.295M	32.954M	36.225M	32.989M	36.4M	33.093M	36.435M	32.954M	36.365M	33.023M	36.225M	32.954M	36.435M	33.023M
5710MHz Straddle 5.725-5.85 GHz	Pass	500k	3.12M	3.658M	3.2M	3.678M	3.18M	3.758M	3.14M	3.698M	3.12M	3.758M	3.12M	3.698M	3.1M	3.738M	3.22M	3.698M
802.11ac VHT80_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	86.6M	75.662M	86.9M	75.562M	86.3M	75.662M	87.5M	75.762M	86.9M	75.762M	87.1M	75.562M	86.4M	75.562M	87.5M	75.762M
5530MHz	Pass	Inf	86M	75.562M	86.7M	75.562M	85.8M	75.562M	87M	75.462M	86.4M	75.562M	87.3M	75.662M	86.5M	75.662M	87.3M	75.762M
5610MHz	Pass	Inf	85.5M	75.362M	86.6M	75.562M	85.7M	75.462M	86.5M	75.562M	86.7M	75.662M	87.3M	75.762M	86.4M	75.562M	87M	75.562M
5690MHz Straddle 5.47-5.725 GHz	Pass	Inf	77.925M	72.564M	78.3M	72.414M	78.15M	72.414M	78.3M	72.564M	78.225M	72.414M	78.225M	72.489M	77.775M	72.339M	77.925M	72.489M
5690MHz Straddle 5.725-5.85 GHz	Pass	500k	3.14M	4.378M	3.14M	4.458M	3.16M	4.338M	3.14M	4.478M	3.1M	4.498M	3.14M	4.458M	3.1M	4.498M	3.16M	4.538M

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_(6Mbps)_8TX **EBW**

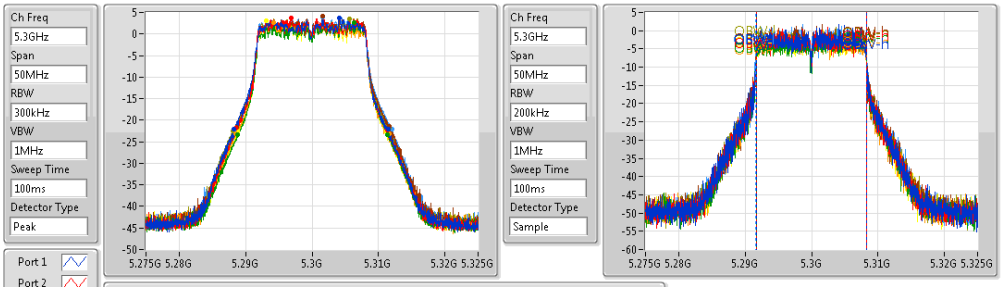
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.25M	5.2482G	5.27145G	16.542M	5.251679G	5.268221G	Inf	1
22.7M	5.248575G	5.271275G	16.592M	5.251679G	5.268271G	Inf	2
22.65M	5.248725G	5.271375G	16.642M	5.251654G	5.268296G	Inf	3
23.15M	5.2485G	5.27165G	16.567M	5.251629G	5.268196G	Inf	4
23.1M	5.2486G	5.2717G	16.567M	5.251679G	5.268246G	Inf	5
23.6M	5.248125G	5.271725G	16.617M	5.251629G	5.268246G	Inf	6
23.625M	5.24845G	5.272075G	16.592M	5.251654G	5.268246G	Inf	7
22.325M	5.248875G	5.2712G	16.567M	5.251704G	5.268271G	Inf	8

802.11a_(6Mbps)_8TX **EBW**

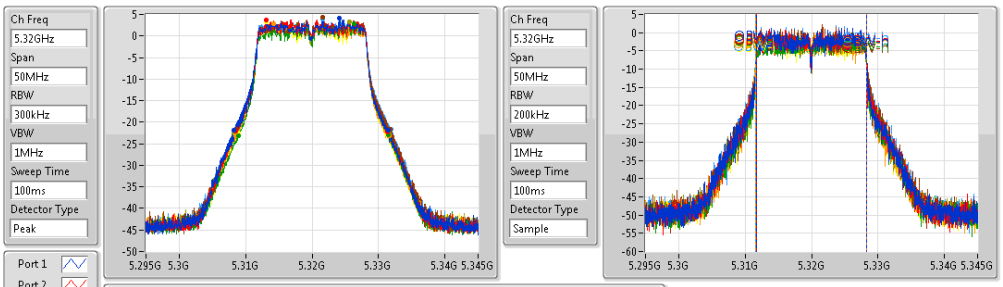
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.25M	5.288225G	5.311475G	16.542M	5.291704G	5.308246G	Inf	1
22.75M	5.288575G	5.311325G	16.617M	5.291654G	5.308271G	Inf	2
22.5M	5.28885G	5.31135G	16.617M	5.291654G	5.308271G	Inf	3
23.175M	5.2885G	5.311675G	16.567M	5.291654G	5.308221G	Inf	4
23M	5.288625G	5.311625G	16.567M	5.291704G	5.308271G	Inf	5
23.5M	5.28815G	5.31165G	16.567M	5.291704G	5.308271G	Inf	6
23.65M	5.288375G	5.312025G	16.642M	5.291629G	5.308271G	Inf	7
22.375M	5.2888G	5.311175G	16.592M	5.291679G	5.308271G	Inf	8

802.11a_(6Mbps)_8TX **EBW**

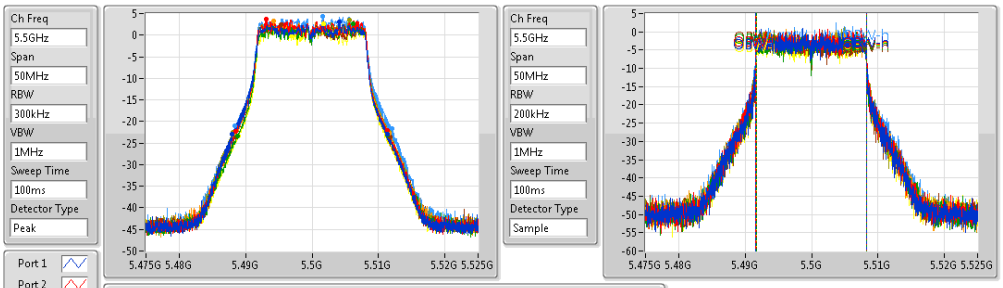
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.175M	5.308275G	5.33145G	16.542M	5.311679G	5.328221G	Inf	1
22.775M	5.30855G	5.331325G	16.567M	5.311679G	5.328246G	Inf	2
22.525M	5.308975G	5.3315G	16.567M	5.311679G	5.328246G	Inf	3
23.175M	5.3085G	5.331675G	16.592M	5.311629G	5.328221G	Inf	4
23.125M	5.308675G	5.3318G	16.617M	5.311704G	5.328321G	Inf	5
23.475M	5.3082G	5.331675G	16.592M	5.311654G	5.328246G	Inf	6
23.575M	5.3084G	5.331975G	16.642M	5.311629G	5.328271G	Inf	7
22.325M	5.308875G	5.3312G	16.567M	5.311679G	5.328246G	Inf	8

802.11a_(6Mbps)_8TX **EBW**

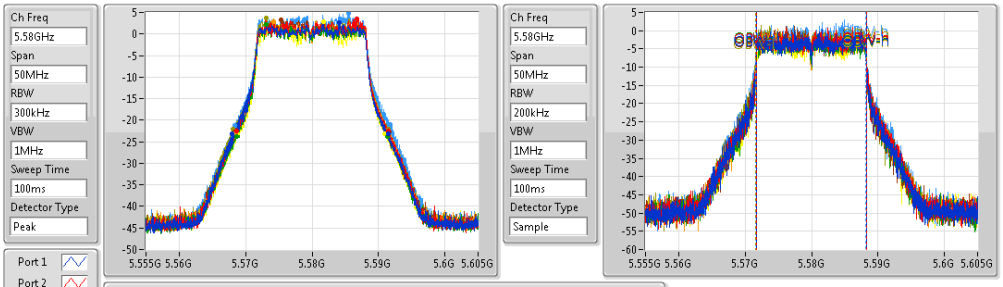
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.4M	5.488G	5.5114G	16.592M	5.491629G	5.508221G	Inf	1
22.85M	5.48845G	5.5113G	16.642M	5.491629G	5.508271G	Inf	2
22.6M	5.4888G	5.5114G	16.617M	5.491654G	5.508271G	Inf	3
23.275M	5.48835G	5.511625G	16.567M	5.491679G	5.508246G	Inf	4
23.325M	5.488475G	5.5118G	16.592M	5.491679G	5.508271G	Inf	5
23.525M	5.488125G	5.51165G	16.617M	5.491629G	5.508246G	Inf	6
23.675M	5.488425G	5.5121G	16.592M	5.491654G	5.508246G	Inf	7
22.3M	5.488875G	5.511175G	16.592M	5.491679G	5.508271G	Inf	8

802.11a_(6Mbps)_8TX **EBW**

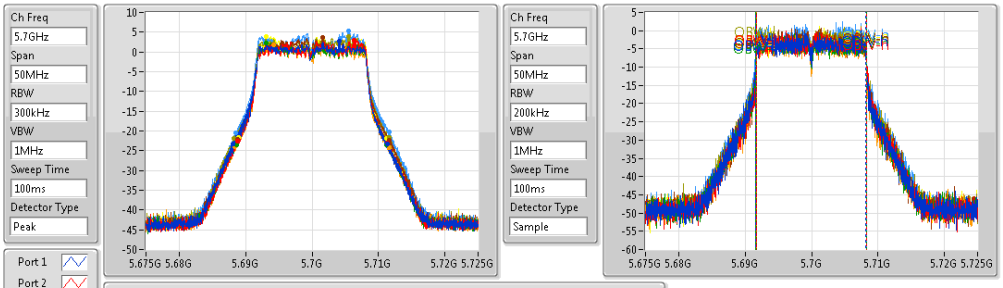
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.5M	5.567975G	5.591475G	16.592M	5.571654G	5.588246G	Inf	1
22.825M	5.568625G	5.59145G	16.642M	5.571654G	5.588296G	Inf	2
22.775M	5.5686G	5.591375G	16.592M	5.571654G	5.588246G	Inf	3
23.025M	5.568525G	5.59155G	16.567M	5.571679G	5.588246G	Inf	4
23.225M	5.568425G	5.59165G	16.542M	5.571679G	5.588221G	Inf	5
23.4M	5.568125G	5.591525G	16.617M	5.571604G	5.588221G	Inf	6
23.425M	5.56835G	5.591775G	16.567M	5.571629G	5.588196G	Inf	7
22.15M	5.56885G	5.591G	16.567M	5.571729G	5.588296G	Inf	8

802.11a_(6Mbps)_8TX **EBW**

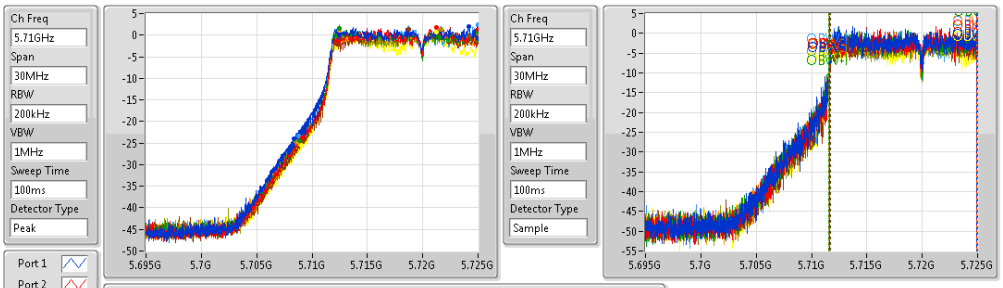
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.325M	5.68805G	5.711375G	16.567M	5.691629G	5.708196G	Inf	1
22.6M	5.68875G	5.71135G	16.617M	5.691679G	5.708296G	Inf	2
22.575M	5.6886G	5.711175G	16.642M	5.691629G	5.708271G	Inf	3
23.25M	5.688425G	5.711675G	16.567M	5.691654G	5.708221G	Inf	4
22.9M	5.68875G	5.71165G	16.517M	5.691704G	5.708221G	Inf	5
23.425M	5.688225G	5.71165G	16.617M	5.691654G	5.708271G	Inf	6
23.05M	5.68855G	5.7116G	16.592M	5.691629G	5.708221G	Inf	7
22.25M	5.6889G	5.71115G	16.617M	5.691679G	5.708296G	Inf	8

802.11a_(6Mbps)_8TX **EBW**

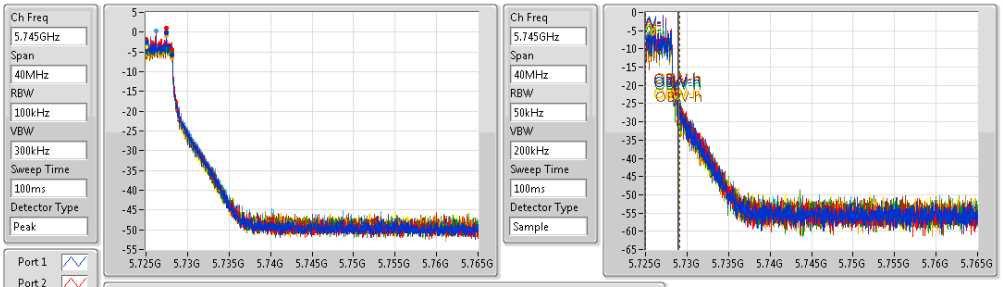
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.59M	5.70841G	5.725G	13.358M	5.711589G	5.724948G	Inf	1
15.9M	5.7091G	5.725G	13.298M	5.711634G	5.724933G	Inf	2
16.14M	5.70886G	5.725G	13.388M	5.711574G	5.724963G	Inf	3
16.23M	5.70877G	5.725G	13.343M	5.711604G	5.724948G	Inf	4
15.915M	5.709085G	5.725G	13.253M	5.711679G	5.724933G	Inf	5
16.47M	5.70853G	5.725G	13.388M	5.711574G	5.724963G	Inf	6
16.185M	5.708815G	5.725G	13.388M	5.711559G	5.724948G	Inf	7
16.005M	5.708995G	5.725G	13.328M	5.711589G	5.724918G	Inf	8

802.11a_(6Mbps)_8TX **EBW**

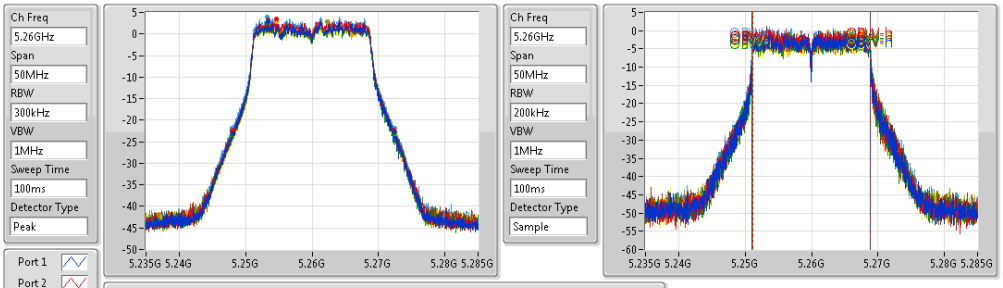
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	3.898M	5.72503G	5.728928G	500k	1
3.14M	5.725G	5.72814G	3.898M	5.72501G	5.728908G	500k	2
3.14M	5.725G	5.72814G	3.958M	5.72503G	5.728988G	500k	3
3.14M	5.725G	5.72814G	3.898M	5.72501G	5.728908G	500k	4
3.14M	5.725G	5.72814G	4.098M	5.72501G	5.729108G	500k	5
3.14M	5.725G	5.72814G	3.958M	5.72501G	5.728968G	500k	6
3.12M	5.725G	5.72812G	3.958M	5.72501G	5.728968G	500k	7
3.12M	5.725G	5.72812G	3.918M	5.72503G	5.728948G	500k	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

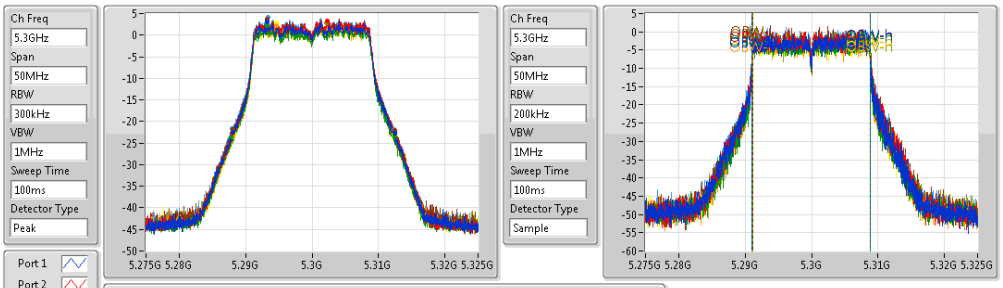
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.3M	5.24805G	5.27235G	17.791M	5.251079G	5.268871G	Inf	1
24.025M	5.24825G	5.272275G	17.741M	5.251104G	5.268846G	Inf	2
24.45M	5.2479G	5.27235G	17.791M	5.251079G	5.268871G	Inf	3
24.1M	5.24825G	5.27235G	17.741M	5.251104G	5.268846G	Inf	4
24.45M	5.247975G	5.272425G	17.791M	5.251079G	5.268871G	Inf	5
24.325M	5.24815G	5.272475G	17.791M	5.251104G	5.268896G	Inf	6
24.5M	5.2479G	5.2724G	17.791M	5.251079G	5.268871G	Inf	7
23.875M	5.248275G	5.27215G	17.741M	5.251104G	5.268846G	Inf	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

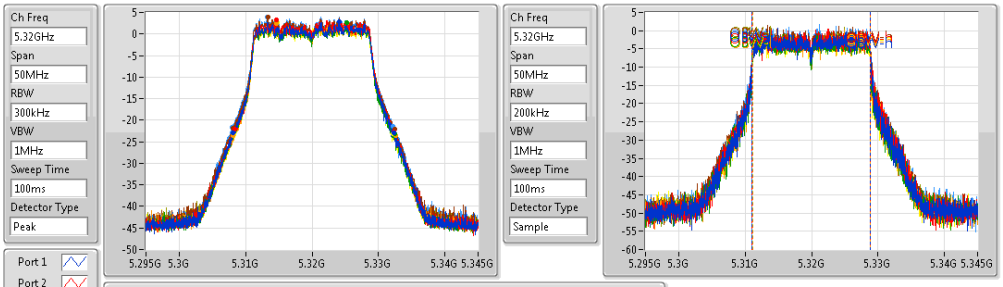
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.375M	5.28805G	5.312425G	17.841M	5.291054G	5.308896G	Inf	1
24.5M	5.28795G	5.31245G	17.816M	5.291079G	5.308896G	Inf	2
24.575M	5.287875G	5.31245G	17.841M	5.291029G	5.308871G	Inf	3
24.275M	5.28815G	5.312425G	17.766M	5.291079G	5.308846G	Inf	4
24.25M	5.28815G	5.3124G	17.791M	5.291104G	5.308896G	Inf	5
24.325M	5.28815G	5.312475G	17.791M	5.291104G	5.308896G	Inf	6
24.325M	5.287975G	5.3123G	17.791M	5.291054G	5.308846G	Inf	7
23.9M	5.2884G	5.3123G	17.766M	5.291079G	5.308846G	Inf	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

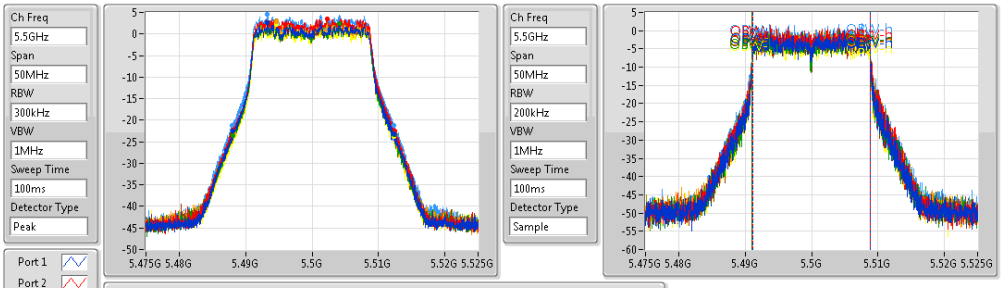
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.275M	5.308075G	5.33235G	17.816M	5.311079G	5.328896G	Inf	1
23.95M	5.3084G	5.33235G	17.816M	5.311079G	5.328896G	Inf	2
24.325M	5.308125G	5.33245G	17.791M	5.311079G	5.328871G	Inf	3
24.475M	5.308075G	5.33255G	17.766M	5.311104G	5.328871G	Inf	4
24.35M	5.308125G	5.332475G	17.816M	5.311079G	5.328896G	Inf	5
24.2M	5.30815G	5.33235G	17.741M	5.311104G	5.328846G	Inf	6
24.25M	5.308G	5.33225G	17.791M	5.311079G	5.328871G	Inf	7
24.05M	5.3082G	5.33225G	17.716M	5.311104G	5.328821G	Inf	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

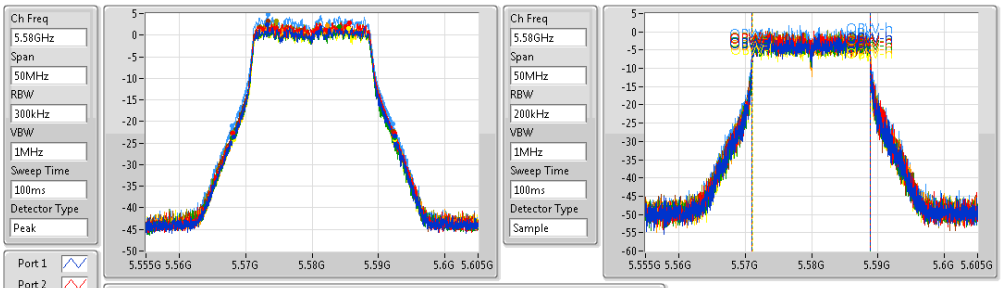
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.225M	5.48815G	5.512375G	17.766M	5.491104G	5.508871G	Inf	1
24.35M	5.4881G	5.51245G	17.741M	5.491104G	5.508846G	Inf	2
24.35M	5.488025G	5.512375G	17.791M	5.491079G	5.508871G	Inf	3
24.025M	5.48825G	5.512275G	17.766M	5.491104G	5.508871G	Inf	4
24.5M	5.487975G	5.512475G	17.791M	5.491054G	5.508846G	Inf	5
24.4M	5.4881G	5.5125G	17.791M	5.491079G	5.508871G	Inf	6
24.35M	5.488G	5.51235G	17.816M	5.491054G	5.508871G	Inf	7
23.925M	5.488375G	5.5123G	17.766M	5.491079G	5.508846G	Inf	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

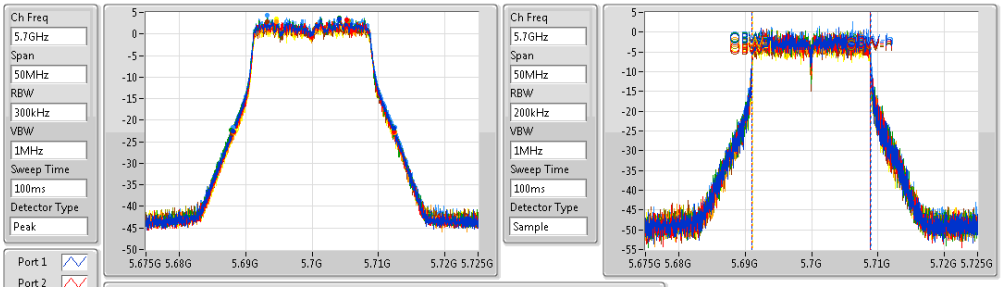
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.2M	5.5682G	5.5924G	17.791M	5.571054G	5.588846G	Inf	1
24.325M	5.568075G	5.5924G	17.766M	5.571079G	5.588846G	Inf	2
24.45M	5.568G	5.592475G	17.766M	5.571079G	5.588846G	Inf	3
24.475M	5.568G	5.592475G	17.791M	5.571079G	5.588871G	Inf	4
24.2M	5.568G	5.5922G	17.841M	5.571029G	5.588871G	Inf	5
24.225M	5.568075G	5.5923G	17.766M	5.571079G	5.588846G	Inf	6
24.25M	5.567975G	5.592225G	17.791M	5.571079G	5.588871G	Inf	7
24.275M	5.5682G	5.592475G	17.741M	5.571104G	5.588846G	Inf	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

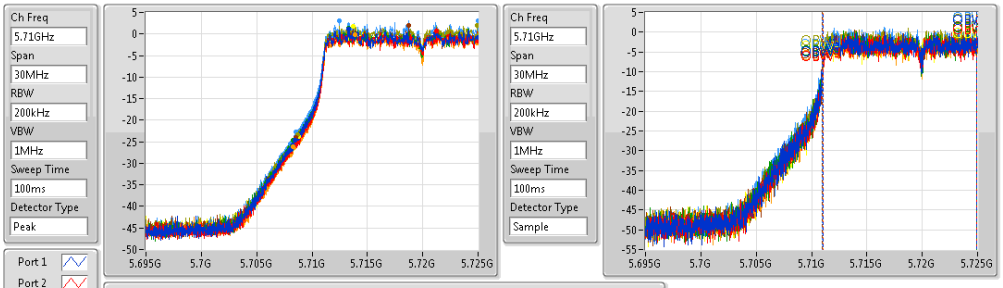
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.35M	5.688025G	5.712375G	17.816M	5.691079G	5.708896G	Inf	1
24.075M	5.68825G	5.712325G	17.791M	5.691079G	5.708871G	Inf	2
24.475M	5.687875G	5.71235G	17.741M	5.691079G	5.708821G	Inf	3
24.2M	5.6882G	5.7124G	17.791M	5.691079G	5.708871G	Inf	4
24.35M	5.68795G	5.7123G	17.841M	5.691029G	5.708871G	Inf	5
24.275M	5.68815G	5.712425G	17.766M	5.691079G	5.708846G	Inf	6
24.325M	5.688075G	5.7124G	17.841M	5.691079G	5.708921G	Inf	7
23.575M	5.6885G	5.712075G	17.766M	5.691104G	5.708871G	Inf	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

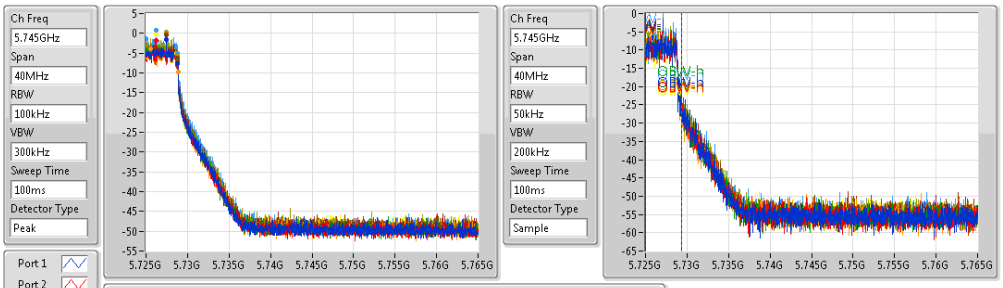
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.56M	5.70844G	5.725G	13.928M	5.711004G	5.724933G	Inf	1
16.365M	5.708635G	5.725G	13.898M	5.711034G	5.724933G	Inf	2
16.71M	5.70829G	5.725G	13.928M	5.711004G	5.724933G	Inf	3
16.68M	5.70832G	5.725G	13.898M	5.711034G	5.724933G	Inf	4
16.47M	5.70853G	5.725G	13.943M	5.71099G	5.724933G	Inf	5
16.305M	5.708695G	5.725G	13.898M	5.711034G	5.724933G	Inf	6
16.47M	5.70853G	5.725G	13.958M	5.71099G	5.724948G	Inf	7
16.17M	5.70883G	5.725G	13.898M	5.711019G	5.724918G	Inf	8

802.11ac VHT20_Nss2,(MCS0)_8TX **EBW**

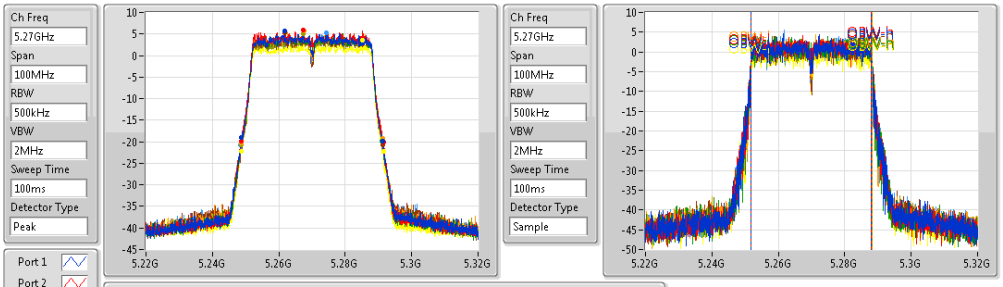
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.84M	5.725G	5.72884G	4.318M	5.72501G	5.729328G	500k	1
3.76M	5.725G	5.72876G	4.338M	5.72501G	5.729348G	500k	2
3.76M	5.725G	5.72876G	4.318M	5.72501G	5.729328G	500k	3
3.86M	5.725G	5.72886G	4.278M	5.72503G	5.729308G	500k	4
3.76M	5.725G	5.72876G	4.338M	5.72501G	5.729348G	500k	5
3.76M	5.725G	5.72876G	4.298M	5.72503G	5.729328G	500k	6
3.82M	5.725G	5.72882G	4.318M	5.72501G	5.729328G	500k	7
3.72M	5.725G	5.72872G	4.338M	5.72503G	5.729368G	500k	8

802.11ac VHT40_Nss2,(MCS0)_8TX **EBW**

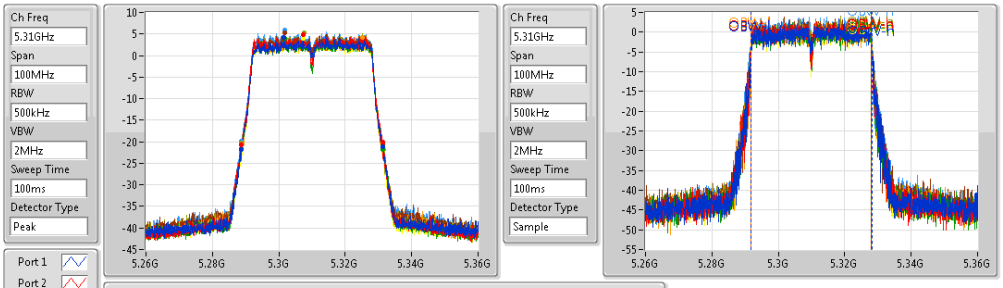
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.4M	5.2488G	5.2912G	36.282M	5.251809G	5.288091G	Inf	1
42.85M	5.2486G	5.29145G	36.232M	5.251809G	5.288041G	Inf	2
42.5M	5.24865G	5.29115G	36.232M	5.251859G	5.288091G	Inf	3
42.65M	5.2486G	5.29125G	36.332M	5.251809G	5.288141G	Inf	4
42.6M	5.2488G	5.2914G	36.282M	5.251809G	5.288091G	Inf	5
42.6M	5.24875G	5.29135G	36.282M	5.251859G	5.288141G	Inf	6
42.75M	5.24855G	5.2913G	36.232M	5.251859G	5.288091G	Inf	7
42.95M	5.2486G	5.29155G	36.282M	5.251809G	5.288091G	Inf	8

802.11ac VHT40_Nss2,(MCS0)_8TX **EBW**

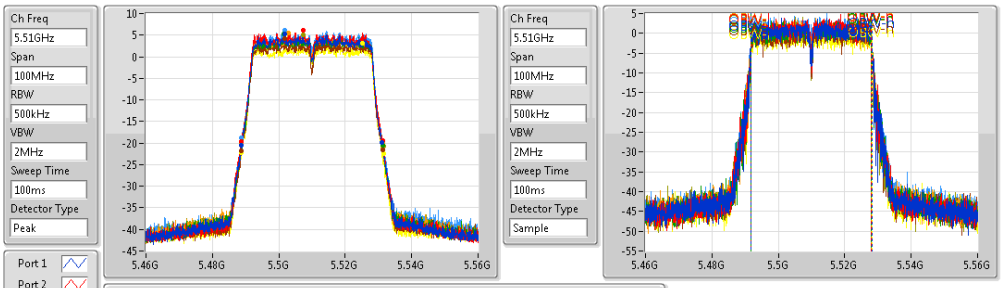
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.75M	5.2886G	5.33135G	36.282M	5.291859G	5.328141G	Inf	1
42.65M	5.2887G	5.33135G	36.282M	5.291809G	5.328091G	Inf	2
42.55M	5.2888G	5.33135G	36.232M	5.291859G	5.328091G	Inf	3
42.95M	5.2886G	5.33155G	36.282M	5.291859G	5.328141G	Inf	4
42.65M	5.2887G	5.33135G	36.232M	5.291859G	5.328091G	Inf	5
42.5M	5.28875G	5.33125G	36.232M	5.291859G	5.328091G	Inf	6
42.5M	5.2888G	5.3313G	36.232M	5.291809G	5.328041G	Inf	7
42.7M	5.2886G	5.3313G	36.232M	5.291859G	5.328091G	Inf	8

802.11ac VHT40_Nss2,(MCS0)_8TX **EBW**

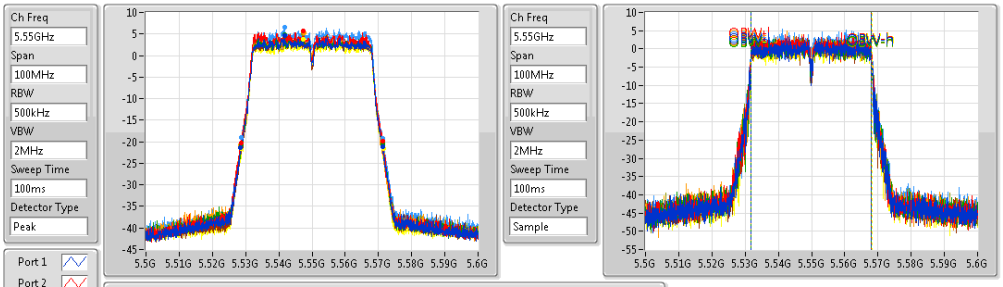
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.45M	5.4887G	5.53115G	36.282M	5.491859G	5.528141G	Inf	1
42.55M	5.4887G	5.53125G	36.182M	5.491859G	5.528041G	Inf	2
42.65M	5.48865G	5.5313G	36.232M	5.491859G	5.528091G	Inf	3
42.75M	5.48865G	5.5314G	36.232M	5.491809G	5.528041G	Inf	4
42.55M	5.48875G	5.5313G	36.182M	5.491859G	5.528041G	Inf	5
42.8M	5.4887G	5.5315G	36.282M	5.491809G	5.528091G	Inf	6
42.4M	5.4888G	5.5312G	36.232M	5.491809G	5.528041G	Inf	7
42.8M	5.48865G	5.53145G	36.332M	5.491809G	5.528141G	Inf	8

802.11ac VHT40_Nss2,(MCS0)_8TX **EBW**

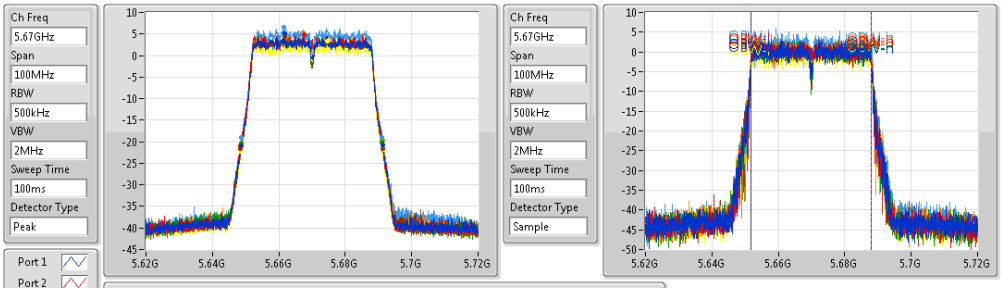
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.8M	5.5285G	5.5713G	36.182M	5.531859G	5.568041G	Inf	1
42.6M	5.5286G	5.5712G	36.332M	5.531759G	5.568091G	Inf	2
42.65M	5.5286G	5.57125G	36.332M	5.531759G	5.568091G	Inf	3
42.85M	5.5285G	5.57135G	36.332M	5.531759G	5.568091G	Inf	4
42.55M	5.5287G	5.57125G	36.182M	5.531859G	5.568041G	Inf	5
42.55M	5.52875G	5.5713G	36.232M	5.531859G	5.568091G	Inf	6
42.6M	5.52875G	5.57135G	36.232M	5.531809G	5.568041G	Inf	7
42.75M	5.5287G	5.57145G	36.282M	5.531859G	5.568141G	Inf	8

802.11ac VHT40_Nss2,(MCS0)_8TX **EBW**

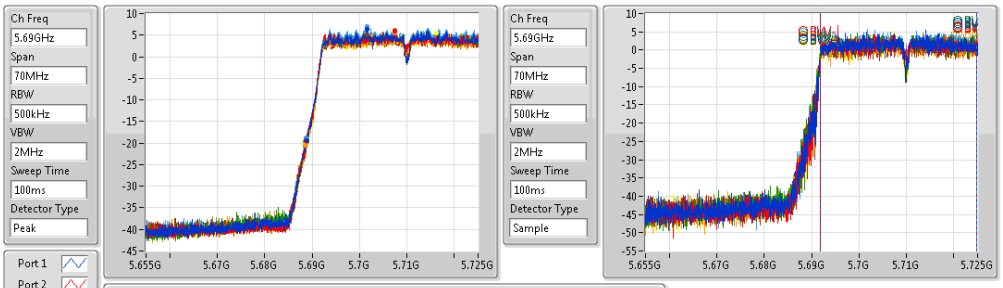
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.55M	5.64865G	5.6912G	36.282M	5.651809G	5.688091G	Inf	1
42.95M	5.64845G	5.6914G	36.282M	5.651809G	5.688091G	Inf	2
42.45M	5.6487G	5.69115G	36.282M	5.651809G	5.688091G	Inf	3
42.8M	5.64855G	5.69135G	36.332M	5.651759G	5.688091G	Inf	4
42.8M	5.6485G	5.6913G	36.232M	5.651809G	5.688041G	Inf	5
42.65M	5.6486G	5.69125G	36.232M	5.651859G	5.688091G	Inf	6
42.4M	5.64875G	5.69115G	36.232M	5.651859G	5.688091G	Inf	7
43.05M	5.6484G	5.69145G	36.332M	5.651759G	5.688091G	Inf	8

802.11ac VHT40_Nss2,(MCS0)_8TX **EBW**

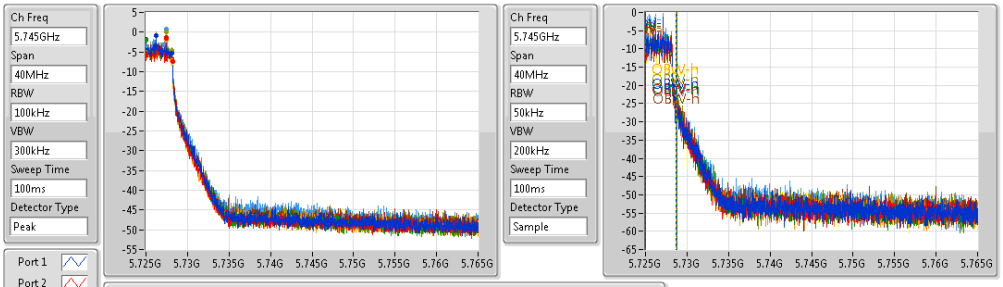
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.12M	5.68888G	5.725G	32.954M	5.691854G	5.724808G	Inf	1
36.295M	5.688705G	5.725G	32.954M	5.691819G	5.724773G	Inf	2
36.225M	5.688775G	5.725G	32.989M	5.691819G	5.724808G	Inf	3
36.4M	5.6886G	5.725G	33.093M	5.691784G	5.724878G	Inf	4
36.435M	5.688565G	5.725G	32.954M	5.691854G	5.724808G	Inf	5
36.365M	5.688635G	5.725G	33.023M	5.691784G	5.724808G	Inf	6
36.225M	5.688775G	5.725G	32.954M	5.691854G	5.724808G	Inf	7
36.435M	5.688565G	5.725G	33.023M	5.691784G	5.724808G	Inf	8

802.11ac VHT40_Nss2,(MCS0)_8TX **EBW**

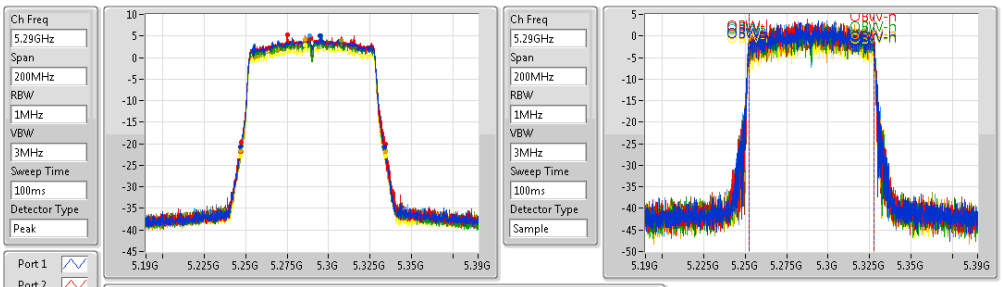
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	3.658M	5.72501G	5.728668G	500k	1
3.2M	5.725G	5.7282G	3.678M	5.72503G	5.728708G	500k	2
3.18M	5.725G	5.72818G	3.758M	5.72501G	5.728768G	500k	3
3.14M	5.725G	5.72814G	3.698M	5.72501G	5.728708G	500k	4
3.12M	5.725G	5.72812G	3.758M	5.72501G	5.728768G	500k	5
3.12M	5.725G	5.72812G	3.698M	5.72503G	5.728728G	500k	6
3.1M	5.725G	5.7281G	3.738M	5.72501G	5.728748G	500k	7
3.22M	5.725G	5.72822G	3.698M	5.72501G	5.728708G	500k	8

802.11ac VHT80_Nss2,(MCS0)_8TX **EBW**

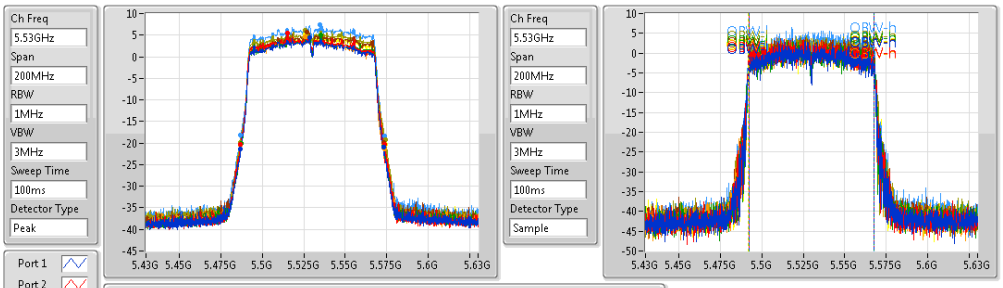
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
86.6M	5.2471G	5.3337G	75.662M	5.252119G	5.327781G	Inf	1
86.9M	5.2472G	5.3341G	75.562M	5.252219G	5.327781G	Inf	2
86.3M	5.2473G	5.3336G	75.662M	5.252119G	5.327781G	Inf	3
87.5M	5.247G	5.3345G	75.762M	5.252119G	5.327881G	Inf	4
86.9M	5.247G	5.3339G	75.762M	5.252119G	5.327881G	Inf	5
87.1M	5.2473G	5.3344G	75.562M	5.252219G	5.327781G	Inf	6
86.4M	5.247G	5.3334G	75.562M	5.252219G	5.327781G	Inf	7
87.5M	5.2469G	5.3344G	75.762M	5.252119G	5.327881G	Inf	8

802.11ac VHT80_Nss2,(MCS0)_8TX **EBW**

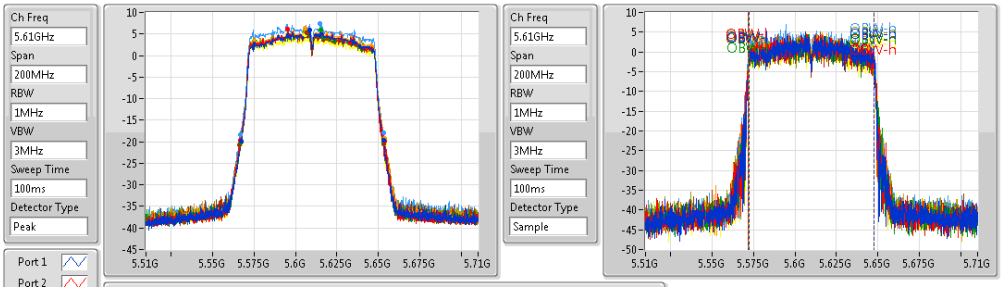
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
86M	5.4871G	5.5731G	75.562M	5.492219G	5.567781G	Inf	1
86.7M	5.4869G	5.5736G	75.562M	5.492119G	5.567681G	Inf	2
85.8M	5.4876G	5.5734G	75.562M	5.492219G	5.567781G	Inf	3
87M	5.487G	5.574G	75.462M	5.492219G	5.567681G	Inf	4
86.4M	5.4869G	5.5733G	75.562M	5.492219G	5.567781G	Inf	5
87.3M	5.4868G	5.5741G	75.662M	5.492119G	5.567781G	Inf	6
86.5M	5.4871G	5.5736G	75.662M	5.492119G	5.567781G	Inf	7
87.3M	5.487G	5.5743G	75.762M	5.492019G	5.567781G	Inf	8

802.11ac VHT80_Nss2,(MCS0)_8TX **EBW**

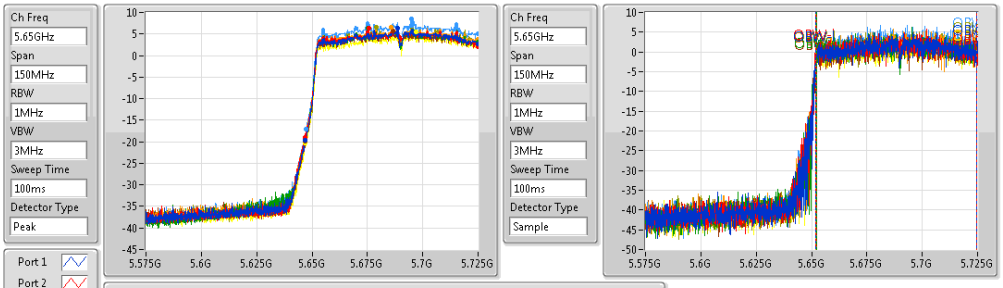
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.5M	5.5674G	5.6529G	75.362M	5.572219G	5.647581G	Inf	1
86.6M	5.5669G	5.6535G	75.562M	5.572019G	5.647581G	Inf	2
85.7M	5.5672G	5.6529G	75.462M	5.572119G	5.647581G	Inf	3
86.5M	5.567G	5.6535G	75.562M	5.572119G	5.647681G	Inf	4
86.7M	5.5664G	5.6531G	75.662M	5.572019G	5.647681G	Inf	5
87.3M	5.5666G	5.6539G	75.762M	5.571919G	5.647681G	Inf	6
86.4M	5.5667G	5.6531G	75.562M	5.572119G	5.647681G	Inf	7
87M	5.5667G	5.6537G	75.562M	5.572119G	5.647681G	Inf	8

802.11ac VHT80_Nss2,(MCS0)_8TX **EBW**

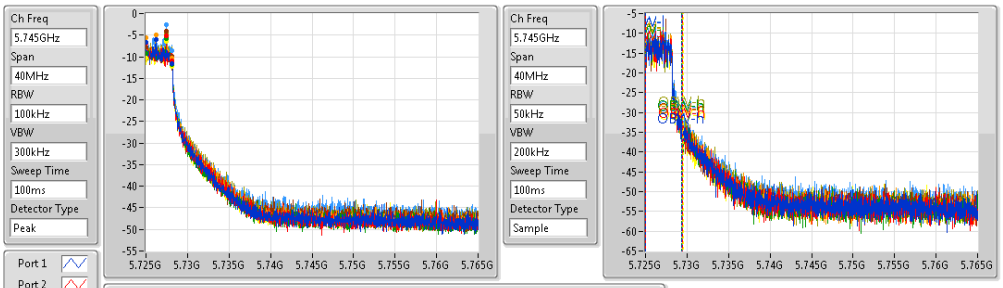
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.925M	5.647075G	5.725G	72.564M	5.652024G	5.724588G	Inf	1
78.3M	5.6467G	5.725G	72.414M	5.652024G	5.724438G	Inf	2
78.15M	5.64685G	5.725G	72.414M	5.652099G	5.724513G	Inf	3
78.3M	5.6467G	5.725G	72.564M	5.652024G	5.724588G	Inf	4
78.225M	5.646775G	5.725G	72.414M	5.652099G	5.724513G	Inf	5
78.225M	5.646775G	5.725G	72.489M	5.652099G	5.724588G	Inf	6
77.775M	5.647225G	5.725G	72.339M	5.652099G	5.724438G	Inf	7
77.925M	5.647075G	5.725G	72.489M	5.652099G	5.724588G	Inf	8

802.11ac VHT80_Nss2,(MCS0)_8TX **EBW**

5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	4.378M	5.72501G	5.729388G	500k	1
3.14M	5.725G	5.72814G	4.458M	5.72503G	5.729488G	500k	2
3.16M	5.725G	5.72816G	4.338M	5.72503G	5.729368G	500k	3
3.14M	5.725G	5.72814G	4.478M	5.72501G	5.729488G	500k	4
3.1M	5.725G	5.7281G	4.498M	5.72501G	5.729508G	500k	5
3.14M	5.725G	5.72814G	4.458M	5.72501G	5.729468G	500k	6
3.1M	5.725G	5.7281G	4.498M	5.72501G	5.729508G	500k	7
3.16M	5.725G	5.72816G	4.538M	5.72501G	5.729548G	500k	8

802.11ac VHT160_Nss2,(MCS0)_8TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT160_Nss2,(MCS0)_8TX	-	-	-	-	-
5.15-5.25GHz	81.2M	77.001M	77M0D1D	80.32M	75.162M
5.25-5.35GHz	82.32M	76.682M	76M7D1D	81.2M	75.402M
5.47-5.725GHz	164.2M	153.523M	154MD1D	162.8M	152.324M

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

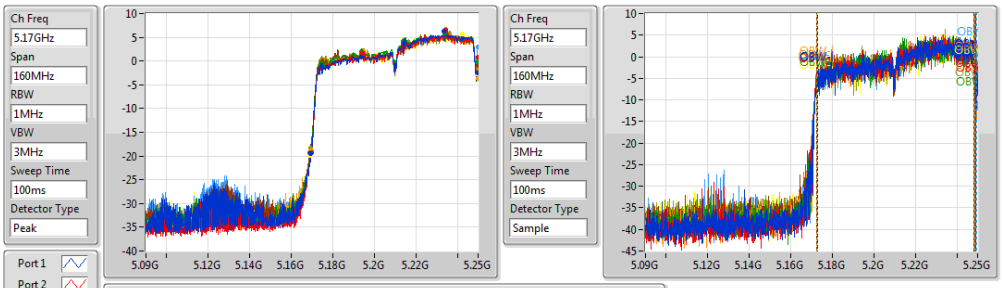
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11ac VHT160_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5250MHz	Pass	Inf	80.72M	75.162M	80.4M	76.362M	80.88M	75.962M	80.32M	75.162M	81.2M	76.042M	80.64M	76.042M	80.88M	77.001M	81.04M	75.562M
5250MHz	Pass	Inf	82.16M	75.562M	81.84M	76.122M	82M	75.802M	81.92M	75.802M	81.28M	75.562M	82.32M	75.562M	81.2M	76.682M	81.6M	75.402M
5570MHz	Pass	Inf	163.4M	152.524M	162.8M	152.324M	163M	152.324M	163.2M	152.724M	163M	152.724M	164.2M	153.523M	163M	152.524M	164.2M	153.123M

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

802.11ac VHT160_Nss2,(MCS0)_8TX **EBW**

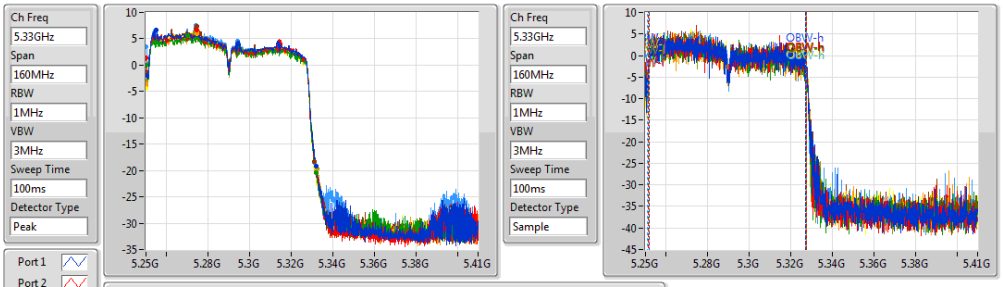
5250MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.72M	5.16928G	5.25G	75.162M	5.173038G	5.248201G	Inf	1
80.4M	5.1696G	5.25G	76.362M	5.172879G	5.24924G	Inf	2
80.88M	5.16912G	5.25G	75.962M	5.172959G	5.248921G	Inf	3
80.32M	5.16968G	5.25G	75.162M	5.172879G	5.248041G	Inf	4
81.2M	5.1688G	5.25G	76.042M	5.172639G	5.248681G	Inf	5
80.64M	5.16936G	5.25G	76.042M	5.172639G	5.248681G	Inf	6
80.88M	5.16912G	5.25G	77.001M	5.172719G	5.24972G	Inf	7
81.04M	5.16896G	5.25G	75.562M	5.172799G	5.248361G	Inf	8

802.11ac VHT160_Nss2,(MCS0)_8TX **EBW**

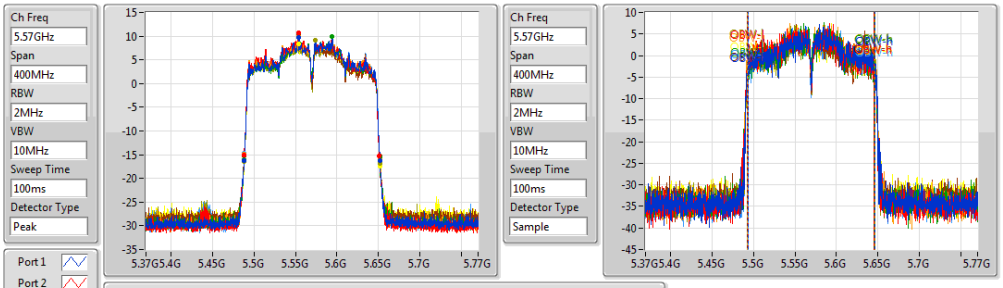
5250MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.16M	5.25G	5.33216G	75.562M	5.251719G	5.327281G	Inf	1
81.84M	5.25G	5.33184G	76.122M	5.251319G	5.327441G	Inf	2
82M	5.25G	5.332G	75.802M	5.251559G	5.327361G	Inf	3
81.92M	5.25G	5.33192G	75.802M	5.251719G	5.327521G	Inf	4
81.28M	5.25G	5.33128G	75.562M	5.251719G	5.327281G	Inf	5
82.32M	5.25G	5.33232G	75.562M	5.251879G	5.327441G	Inf	6
81.2M	5.25G	5.3312G	76.682M	5.25068G	5.327361G	Inf	7
81.6M	5.25G	5.3316G	75.402M	5.251879G	5.327281G	Inf	8

802.11ac VHT160_Nss2,(MCS0)_8TX **EBW**

5570MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.4M	5.4884G	5.6518G	152.524M	5.493638G	5.646162G	Inf	1
162.8M	5.4884G	5.6512G	152.324M	5.493238G	5.645562G	Inf	2
163M	5.4884G	5.6514G	152.324M	5.493438G	5.645762G	Inf	3
163.2M	5.4884G	5.6516G	152.724M	5.493038G	5.645762G	Inf	4
163M	5.4884G	5.6514G	152.724M	5.493038G	5.645762G	Inf	5
164.2M	5.4882G	5.6524G	153.523M	5.493038G	5.646562G	Inf	6
163M	5.4886G	5.6516G	152.524M	5.493638G	5.646162G	Inf	7
164.2M	5.4882G	5.6524G	153.123M	5.493238G	5.646362G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT20_Nss4,(MCS0)_8TX	-	-	-	-	-
5.25-5.35GHz	24.5M	18.066M	18M1D1D	21.525M	17.241M
5.47-5.725GHz	24.575M	18.091M	18M1D1D	15.48M	13.583M
5.725-5.85GHz	3.84M	4.518M	4M52D1D	2.06M	4.058M

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

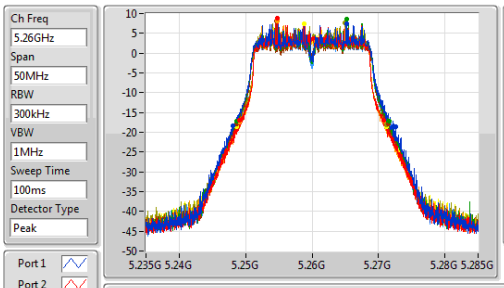
Result

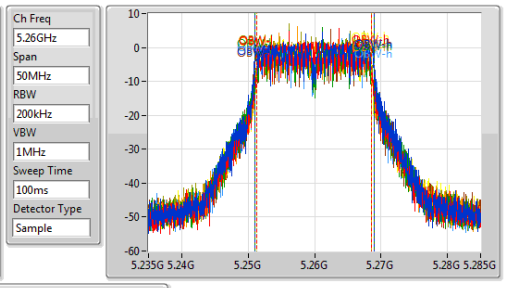
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11ac VHT20_Nss4,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	24.5M	18.041M	21.625M	17.291M	22.9M	18.016M	21.675M	17.291M	22.9M	17.966M	22.45M	17.316M	22.975M	18.016M	22.65M	17.266M
5300MHz	Pass	Inf	23.9M	18.066M	21.85M	17.316M	22.725M	17.966M	21.65M	17.316M	22.65M	18.041M	22.625M	17.291M	22.925M	18.066M	22.55M	17.291M
5320MHz	Pass	Inf	24.125M	18.066M	21.85M	17.291M	22.725M	18.016M	21.525M	17.341M	22.6M	18.041M	22.575M	17.316M	22.9M	17.941M	22.575M	17.241M
5500MHz	Pass	Inf	24.575M	18.066M	21.7M	17.291M	23.3M	17.991M	21.525M	17.266M	22.825M	18.016M	22.4M	17.291M	23.325M	18.041M	22.525M	17.316M
5580MHz	Pass	Inf	24.425M	18.016M	21.6M	17.291M	23.5M	18.016M	21.4M	17.291M	23.325M	18.016M	22.425M	17.316M	23.65M	18.016M	22.3M	17.316M
5700MHz	Pass	Inf	24.55M	18.091M	21.35M	17.291M	23.525M	18.041M	22.2M	17.291M	22.6M	17.991M	21.95M	17.341M	23.25M	17.966M	22.325M	17.316M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.35M	14.093M	15.48M	13.583M	16.125M	14.168M	15.645M	13.598M	15.93M	14.093M	15.51M	13.628M	16.215M	14.078M	15.63M	13.613M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.44M	4.518M	3.46M	4.078M	3.84M	4.458M	3.32M	4.058M	2.8M	4.518M	2.06M	4.078M	3.74M	4.518M	3.42M	4.078M

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

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

5260MHz

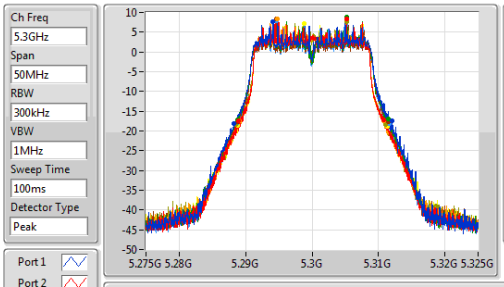


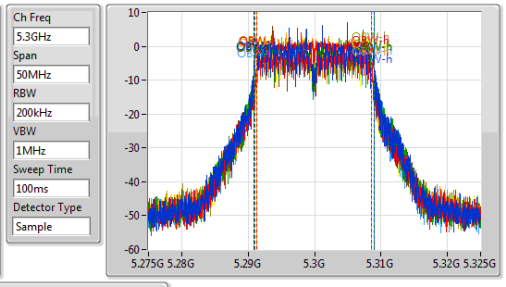


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.5M	5.24805G	5.27255G	18.041M	5.250955G	5.268996G	Inf	1
21.625M	5.249125G	5.27075G	17.291M	5.251304G	5.268596G	Inf	2
22.9M	5.248675G	5.271575G	18.016M	5.25098G	5.268996G	Inf	3
21.675M	5.249075G	5.27075G	17.291M	5.251304G	5.268596G	Inf	4
22.9M	5.24865G	5.27155G	17.966M	5.25098G	5.268946G	Inf	5
22.45M	5.248725G	5.271175G	17.316M	5.251304G	5.268621G	Inf	6
22.975M	5.248675G	5.27165G	18.016M	5.250955G	5.268971G	Inf	7
22.65M	5.2486G	5.27125G	17.266M	5.251304G	5.268571G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

5300MHz

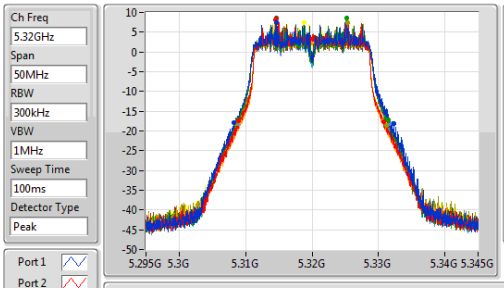


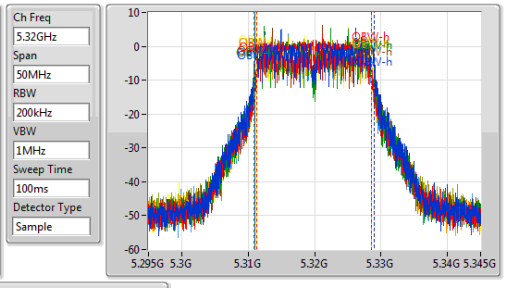


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.9M	5.2882G	5.3121G	18.066M	5.29093G	5.308996G	Inf	1
21.85M	5.288975G	5.310825G	17.316M	5.291304G	5.308621G	Inf	2
22.725M	5.28875G	5.311475G	17.966M	5.29098G	5.308946G	Inf	3
21.65M	5.2891G	5.31075G	17.316M	5.291304G	5.308621G	Inf	4
22.65M	5.2888G	5.31145G	18.041M	5.29093G	5.308971G	Inf	5
22.625M	5.288475G	5.3111G	17.291M	5.291304G	5.308596G	Inf	6
22.925M	5.288675G	5.3116G	18.066M	5.290955G	5.30902G	Inf	7
22.55M	5.28875G	5.3113G	17.291M	5.291304G	5.308596G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

5320MHz

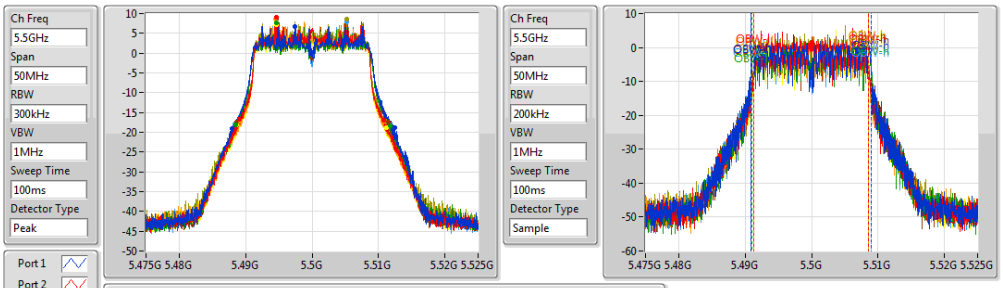




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.125M	5.3082G	5.332325G	18.066M	5.31098G	5.329045G	Inf	1
21.85M	5.308975G	5.330825G	17.291M	5.311304G	5.328596G	Inf	2
22.725M	5.30875G	5.331475G	18.016M	5.31093G	5.328946G	Inf	3
21.525M	5.309175G	5.3307G	17.341M	5.311279G	5.328621G	Inf	4
22.6M	5.30885G	5.33145G	18.041M	5.310955G	5.328996G	Inf	5
22.575M	5.308575G	5.33115G	17.316M	5.311304G	5.328621G	Inf	6
22.9M	5.308725G	5.331625G	17.941M	5.31098G	5.328921G	Inf	7
22.575M	5.30865G	5.331225G	17.241M	5.311329G	5.328571G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

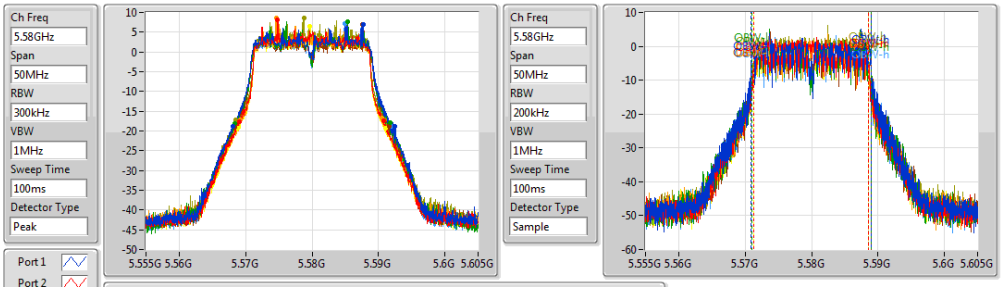
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.575M	5.48795G	5.512525G	18.066M	5.490905G	5.508971G	Inf	1
21.7M	5.489025G	5.510725G	17.291M	5.491304G	5.508596G	Inf	2
23.3M	5.48845G	5.51175G	17.991M	5.490955G	5.508946G	Inf	3
21.525M	5.489175G	5.5107G	17.266M	5.491304G	5.508571G	Inf	4
22.825M	5.48865G	5.511475G	18.016M	5.49093G	5.508946G	Inf	5
22.4M	5.488675G	5.511075G	17.291M	5.491304G	5.508596G	Inf	6
23.325M	5.4884G	5.511725G	18.041M	5.49093G	5.508971G	Inf	7
22.525M	5.4887G	5.511225G	17.316M	5.491304G	5.508621G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

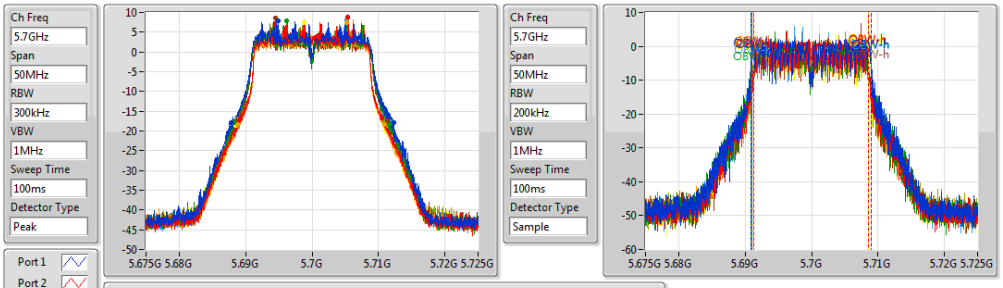
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.425M	5.56805G	5.592475G	18.016M	5.57093G	5.588946G	Inf	1
21.6M	5.569125G	5.590725G	17.291M	5.571304G	5.588596G	Inf	2
23.5M	5.568325G	5.591825G	18.016M	5.570955G	5.588971G	Inf	3
21.4M	5.56915G	5.59055G	17.291M	5.571304G	5.588596G	Inf	4
23.325M	5.56835G	5.591675G	18.016M	5.57093G	5.588946G	Inf	5
22.425M	5.568575G	5.591G	17.316M	5.571279G	5.588596G	Inf	6
23.65M	5.568275G	5.591925G	18.016M	5.570955G	5.588971G	Inf	7
22.3M	5.56875G	5.59105G	17.316M	5.571279G	5.588596G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

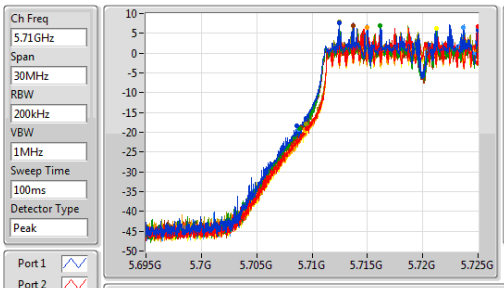
5700MHz

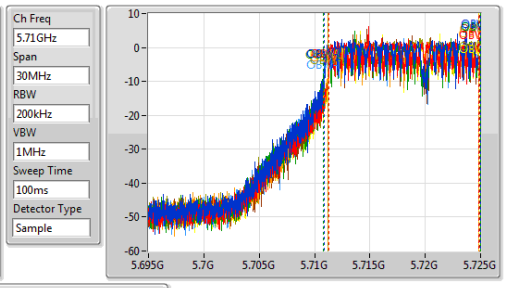


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.55M	5.68775G	5.7123G	18.091M	5.69093G	5.70902G	Inf	1
21.35M	5.689225G	5.710575G	17.291M	5.691304G	5.708596G	Inf	2
23.525M	5.68825G	5.711775G	18.041M	5.69093G	5.708971G	Inf	3
22.2M	5.688725G	5.710925G	17.291M	5.691304G	5.708596G	Inf	4
22.6M	5.688725G	5.711325G	17.991M	5.690955G	5.708946G	Inf	5
21.95M	5.6888G	5.71075G	17.341M	5.691279G	5.708621G	Inf	6
23.25M	5.688475G	5.711725G	17.966M	5.690955G	5.708921G	Inf	7
22.325M	5.68855G	5.710875G	17.316M	5.691279G	5.708596G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

5720MHz Straddle 5.47-5.725GHz

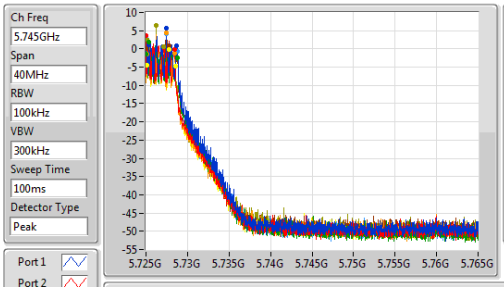


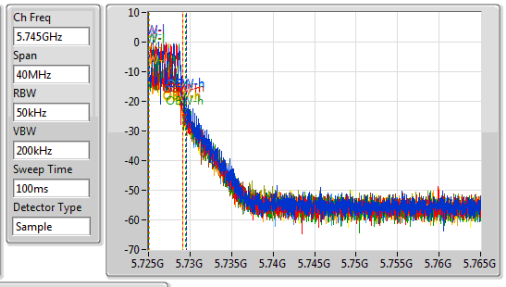


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.70865G	5.725G	14.093M	5.71087G	5.724963G	Inf	1
15.48M	5.70952G	5.725G	13.583M	5.711259G	5.724843G	Inf	2
16.125M	5.708875G	5.725G	14.168M	5.710795G	5.724963G	Inf	3
15.645M	5.709355G	5.725G	13.598M	5.711244G	5.724843G	Inf	4
15.93M	5.70907G	5.725G	14.093M	5.710855G	5.724948G	Inf	5
15.51M	5.70949G	5.725G	13.628M	5.711229G	5.724858G	Inf	6
16.215M	5.708785G	5.725G	14.078M	5.710885G	5.724963G	Inf	7
15.63M	5.70937G	5.725G	13.613M	5.711244G	5.724858G	Inf	8

802.11ac VHT20_Nss4,(MCS0)_8TX **EBW**

5720MHz Straddle 5.725-5.85GHz





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.44M	5.72528G	5.72872G	4.518M	5.72501G	5.729528G	500k	1
3.46M	5.725G	5.72846G	4.078M	5.72501G	5.729088G	500k	2
3.84M	5.725G	5.72884G	4.458M	5.72501G	5.729468G	500k	3
3.32M	5.72516G	5.72848G	4.058M	5.72509G	5.729148G	500k	4
2.8M	5.72502G	5.72782G	4.518M	5.72501G	5.729528G	500k	5
2.06M	5.72502G	5.72708G	4.078M	5.72505G	5.729128G	500k	6
3.74M	5.725G	5.72874G	4.518M	5.72501G	5.729528G	500k	7
3.42M	5.7251G	5.72852G	4.078M	5.72509G	5.729168G	500k	8

802.11a_(6Mbps)_8TX, 802.11ac VHT20_Nss2,(MSC0)_8TX, 802. 11ac VHT40_Nss2,(MSC0)_8TX and 802.11ac VHT80_Nss2,(MCS0)_8TX
Summary

Mode	Total Power (dBm)	Total Power (W)
802.11a_(6Mbps)_8TX	-	-
5.25-5.35GHz	21.54	0.14256
5.47-5.725GHz	21.31	0.13521
5.725-5.85GHz	14.12	0.02582
802.11ac VHT20_Nss2,(MCS0)_8TX	-	-
5.25-5.35GHz	21.58	0.14388
5.47-5.725GHz	21.70	0.14791
5.725-5.85GHz	14.62	0.02897
802.11ac VHT40_Nss2,(MCS0)_8TX	-	-
5.25-5.35GHz	23.88	0.24434
5.47-5.725GHz	23.89	0.24491
5.725-5.85GHz	13.59	0.02286
802.11ac VHT80_Nss2,(MCS0)_8TX	-	-
5.25-5.35GHz	22.45	0.17579
5.47-5.725GHz	23.95	0.24831
5.725-5.85GHz	9.23	0.00838

Result

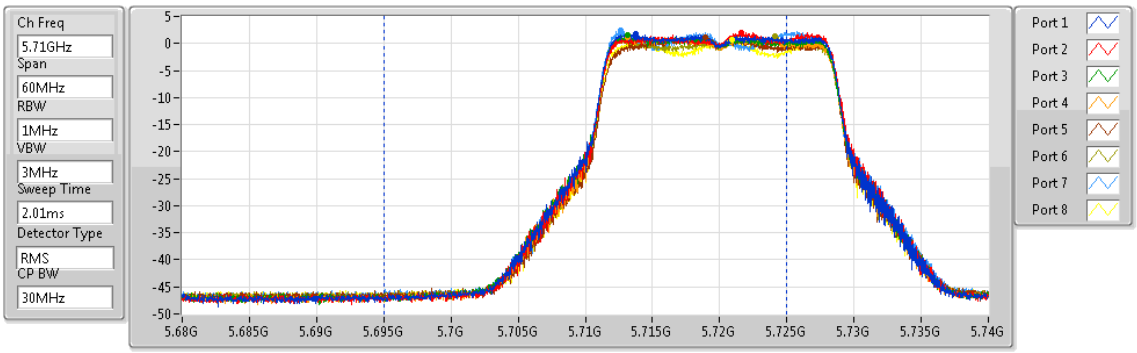
Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)
802.11a_(6 Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.00	20.97	23.98	12.38	12.60	12.08	11.99	11.73	11.13	12.27	11.06
5300MHz	Pass	6.00	21.35	23.98	12.54	12.61	11.45	11.62	13.01	12.63	12.62	11.77
5320MHz	Pass	6.00	21.54	23.98	12.87	12.74	11.79	11.91	13.16	12.35	13.14	11.84
5500MHz	Pass	6.00	21.24	23.98	12.01	12.53	11.73	12.35	11.73	12.28	13.48	11.16
5580MHz	Pass	6.00	21.31	23.98	11.76	12.38	11.58	12.04	12.06	12.67	13.81	11.43
5700MHz	Pass	6.00	21.06	23.98	11.24	11.64	11.23	11.06	12.31	12.64	13.62	11.88
5720MHz Straddle 5.47-5.725 GHz	Pass	6.00	20.21	23.01	11.74	11.57	11.35	11.25	10.82	10.91	11.53	10.03
5720MHz Straddle 5.725-5.85 GHz	Pass	6.00	14.12	30.00	5.32	5.90	5.07	4.29	4.44	4.77	5.94	4.67
802.11ac VHT20_Nss 2,(MCS0)_8 TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.00	21.58	23.98	12.36	12.79	11.97	12.35	12.66	12.61	13.49	12.00
5300MHz	Pass	6.00	21.52	23.98	12.54	13.03	11.61	11.84	13.13	12.65	13.14	11.61
5320MHz	Pass	6.00	21.39	23.98	12.25	12.73	11.85	12.03	13.24	12.60	12.24	11.75
5500MHz	Pass	6.00	21.55	23.98	12.04	13.38	11.89	12.23	12.03	13.02	13.45	11.67
5580MHz	Pass	6.00	21.57	23.98	11.94	12.85	11.67	12.20	12.49	13.07	13.71	11.97
5700MHz	Pass	6.00	21.70	23.98	12.89	12.60	12.97	12.27	12.10	12.83	13.63	11.81
5720MHz Straddle 5.47-5.725 GHz	Pass	6.00	20.17	23.09	10.93	10.58	10.98	10.21	11.07	11.91	12.24	10.79
5720MHz Straddle 5.725-5.85 GHz	Pass	6.00	14.62	30.00	5.49	4.68	5.26	4.39	5.76	6.38	6.97	5.21
802.11ac VHT40_Nss 2,(MCS0)_8 TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	3.00	23.88	23.98	14.99	15.63	15.00	15.24	14.13	14.51	15.03	14.03
5310MHz	Pass	3.00	23.27	23.98	13.91	14.41	13.50	13.77	14.56	14.43	15.07	14.06
5510MHz	Pass	3.00	23.89	23.98	14.97	15.52	14.92	15.26	14.25	14.61	15.09	14.05
5550MHz	Pass	3.00	23.81	23.98	14.31	15.39	14.49	14.93	14.67	14.74	15.31	14.23

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)
5670MHz	Pass	3.00	23.73	23.98	14.48	14.76	14.57	14.85	14.38	14.95	15.27	14.26
5710MHz Straddle 5.47-5.725 GHz	Pass	3.00	23.83	23.98	14.96	14.79	14.95	14.33	14.11	15.00	15.72	14.32
5710MHz Straddle 5.725-5.85 GHz	Pass	3.00	13.59	30.00	4.68	4.69	4.40	3.91	3.93	4.91	5.50	4.22
802.11ac VHT80_Nss 2,(MCS0)_8 TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	3.00	22.45	23.98	13.75	14.19	13.21	13.24	13.37	13.25	13.64	12.54
5530MHz	Pass	3.00	23.44	23.98	13.25	14.03	13.64	13.52	14.81	15.25	15.58	14.59
5610MHz	Pass	3.00	23.80	23.98	14.62	14.84	14.47	15.05	14.23	14.89	15.71	14.17
5690MHz Straddle 5.47-5.725 GHz	Pass	3.00	23.95	23.98	14.83	14.88	14.82	15.19	14.11	15.09	16.33	13.61
5690MHz Straddle 5.725-5.85 GHz	Pass	3.00	9.23	30.00	-0.06	-0.27	-0.24	0.31	-0.44	0.70	1.72	-0.63

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

802.11a_(6Mbps)_8TX — AV Power

5720MHz Straddle 5.47-5.725GHz

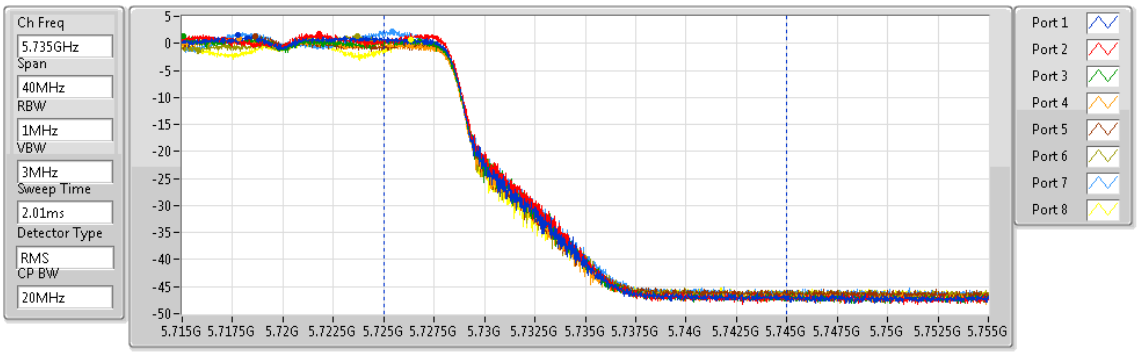


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
20.21	11.74	11.57	11.35	11.25	10.82	10.91	11.53	10.03

802.11a_(6Mbps)_8TX — AV Power

5720MHz Straddle 5.725-5.85GHz

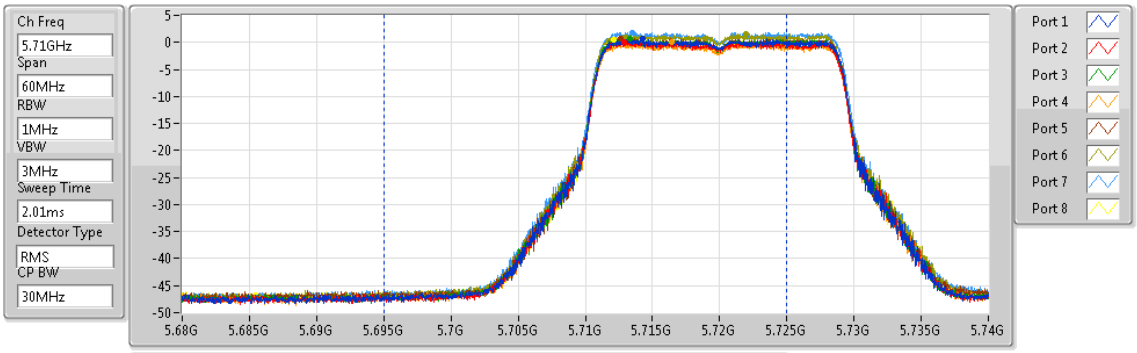


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
14.12	5.32	5.90	5.07	4.29	4.44	4.77	5.94	4.67

802.11ac VHT20_Nss2,(MCS0)_8TX — AV Power

5720MHz Straddle 5.47-5.725GHz

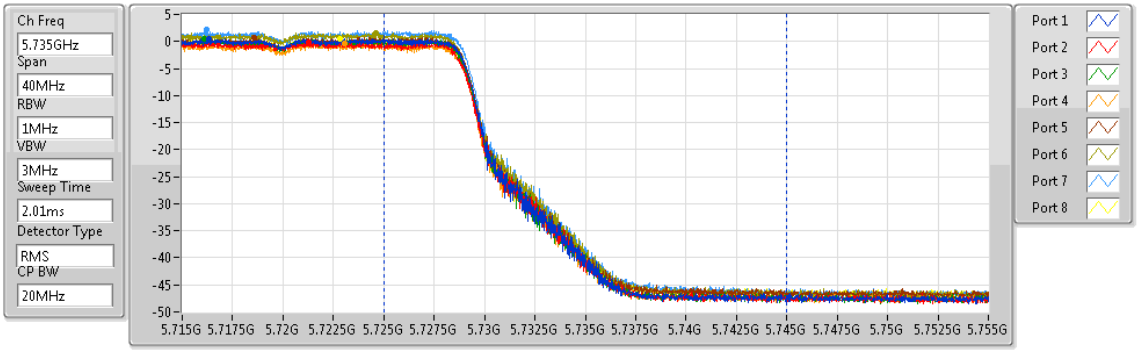


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
20.17	10.93	10.58	10.98	10.21	11.07	11.91	12.24	10.79

802.11ac VHT20_Nss2,(MCS0)_8TX — AV Power

5720MHz Straddle 5.725-5.85GHz

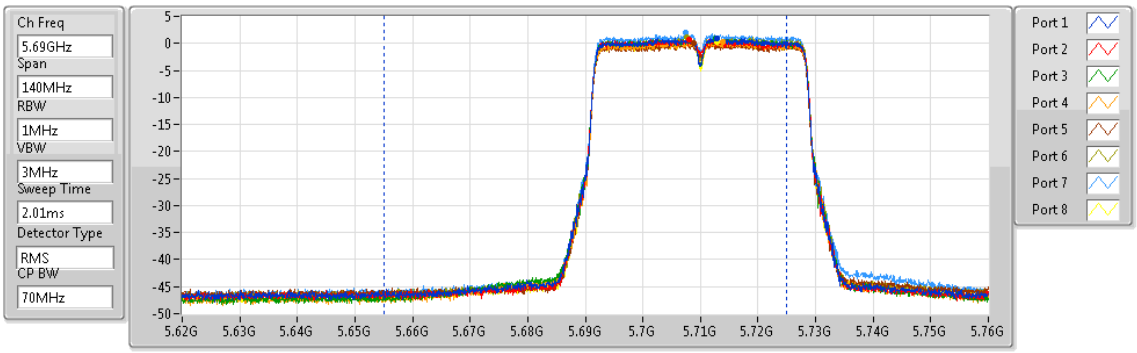


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
14.62	5.49	4.68	5.26	4.39	5.76	6.38	6.97	5.21

802.11ac VHT40_Nss2,(MCS0)_8TX — AV Power

5710MHz Straddle 5.47-5.725GHz

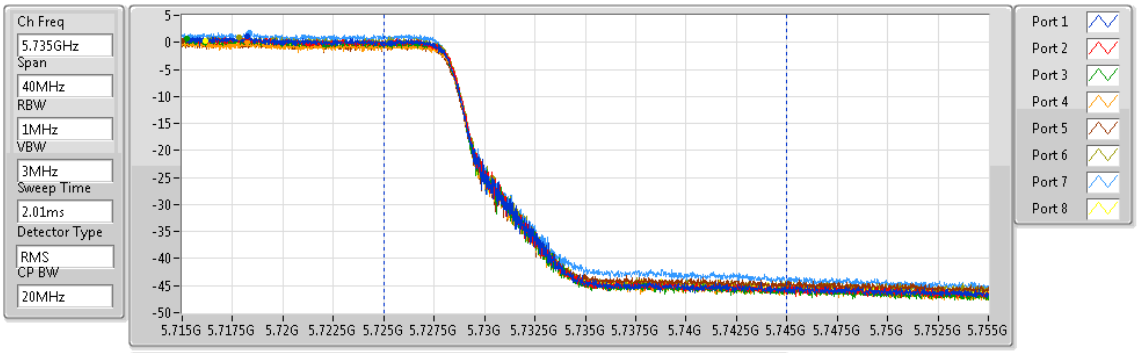


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
23.83	14.96	14.79	14.95	14.33	14.11	15.00	15.72	14.32

802.11ac VHT40_Nss2,(MCS0)_8TX — AV Power

5710MHz Straddle 5.725-5.85GHz

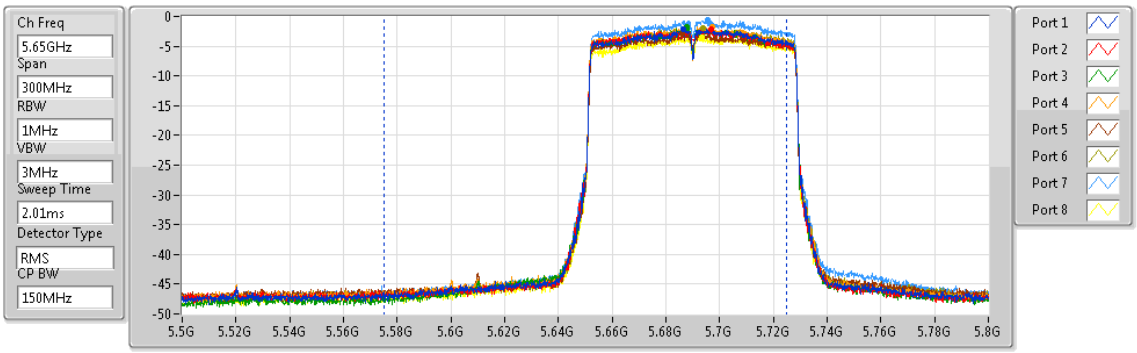


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
13.59	4.68	4.69	4.40	3.91	3.93	4.91	5.50	4.22

802.11ac VHT80_Nss2,(MCS0)_8TX — AV Power

5690MHz Straddle 5.47-5.725GHz

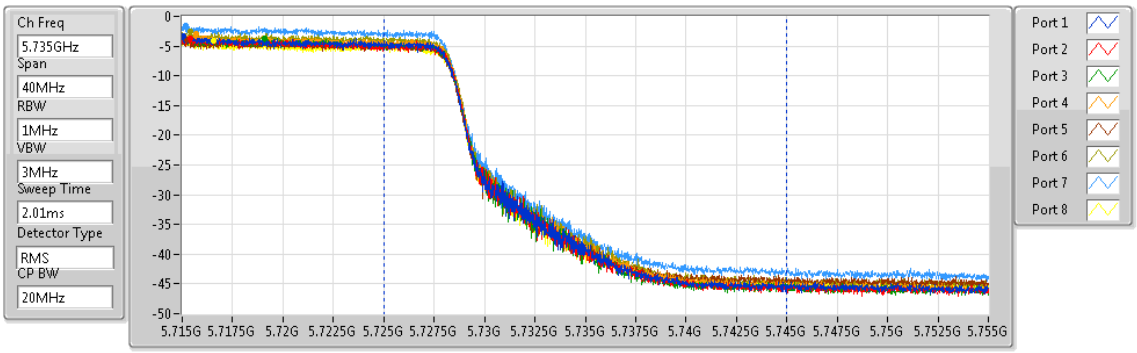


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
23.95	14.83	14.88	14.82	15.19	14.11	15.09	16.33	13.61

802.11ac VHT80_Nss2,(MCS0)_8TX — AV Power

5690MHz Straddle 5.725-5.85GHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
9.23	-0.06	-0.27	-0.24	0.31	-0.44	0.70	1.72	-0.63

802.11ac VHT160_Nss2,(MCS0)_8TX
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ac VHT160_Nss2,(MCS0)_8TX	-	-	-	-
5.15-5.25GHz	22.60	0.18197	25.60	0.36308
5.25-5.35GHz	23.84	0.24210	26.84	0.48306
5.47-5.725GHz	23.86	0.24322	26.86	0.48529

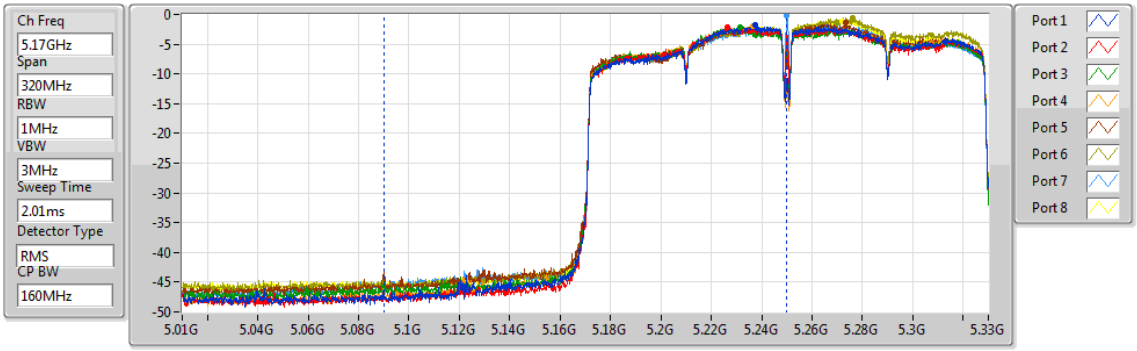
Result

Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8	Total Power	Power Limit	EIRP Power	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11ac VHT160_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5250MHz	Pass	3.00	13.64	13.60	13.60	13.73	13.49	13.56	13.37	13.56	22.60	30.00	25.60	36.00
5250MHz	Pass	3.00	15.04	14.81	14.28	14.52	15.01	14.75	15.01	15.02	23.84	23.98	26.84	30.00
5570MHz	Pass	3.00	15.02	15.26	15.04	15.16	14.52	14.44	14.65	14.45	23.86	23.98	26.86	30.00

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

802.11ac VHT160_Nss2,(MCS0)_8TX — AV Power

5250MHz

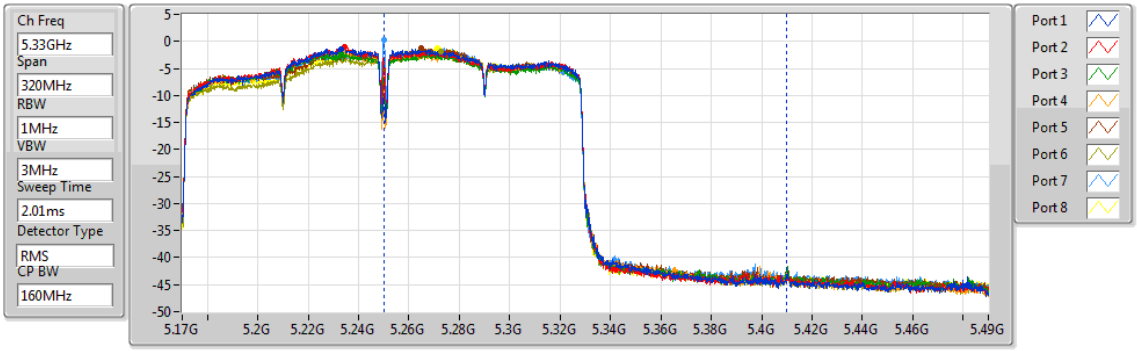


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
22.60	13.64	13.60	13.60	13.73	13.49	13.56	13.37	13.56

802.11ac VHT160_Nss2,(MCS0)_8TX — AV Power

5250MHz

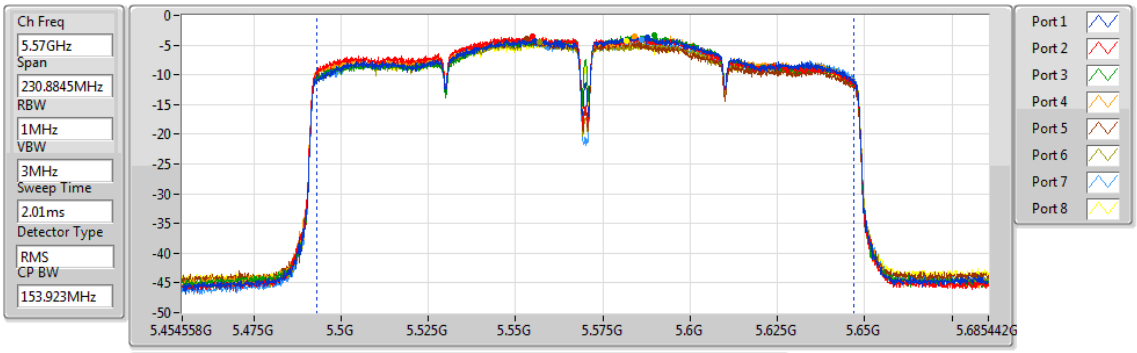


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
23.84	15.04	14.81	14.28	14.52	15.01	14.75	15.01	15.02

802.11ac VHT160_Nss2,(MCS0)_8TX — AV Power

5570MHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
23.86	15.02	15.26	15.04	15.16	14.52	14.44	14.65	14.45

802.11ac VHT20_Nss4,(MCS0)_8TX
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ac VHT20_Nss4,(MCS0)_8TX	-	-	-	-
5.25-5.35GHz	23.83	0.24155	28.34	0.68234
5.47-5.725GHz	23.89	0.24547	28.40	0.69183
5.725-5.85GHz	17.01	0.05023	21.51	0.14158

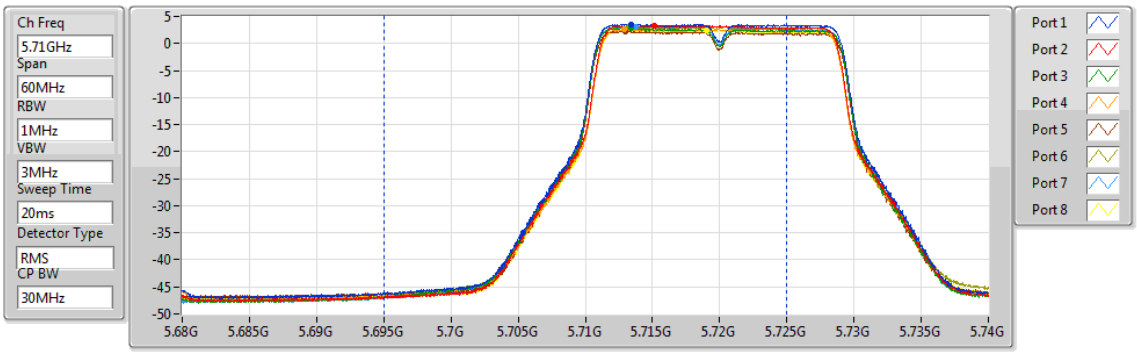
Result

Mode	Result	DG	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8	Total Power	Power Limit	EIRP Power	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11ac VHT20_Nss4,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	4.51	15.15	15.01	14.74	14.75	14.07	15.38	14.11	15.01	23.83	23.98	28.34	30.00
5300MHz	Pass	4.51	15.00	14.83	14.55	14.65	14.00	15.33	14.05	15.15	23.75	23.98	28.25	30.00
5320MHz	Pass	4.51	14.82	14.95	14.26	14.40	14.01	15.03	13.76	14.98	23.58	23.98	28.09	30.00
5500MHz	Pass	4.51	14.78	15.45	14.17	14.75	14.33	16.05	14.66	14.38	23.90	23.98	28.40	30.00
5580MHz	Pass	4.51	14.98	15.10	14.74	14.67	13.99	16.07	14.34	14.27	23.84	23.98	28.35	30.00
5700MHz	Pass	4.51	15.55	15.01	14.77	14.46	14.02	15.42	14.87	14.59	23.89	23.98	28.40	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.51	14.36	14.16	13.54	13.48	12.99	14.02	13.81	13.31	22.76	22.90	27.27	28.90
5720MHz Straddle 5.725-5.85GHz	Pass	4.51	8.91	8.22	7.93	7.53	7.38	8.11	8.12	7.39	17.01	30.00	21.51	36.00

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

802.11ac VHT20_Nss4,(MCS0)_8TX — AV Power

5720MHz Straddle 5.47-5.725GHz

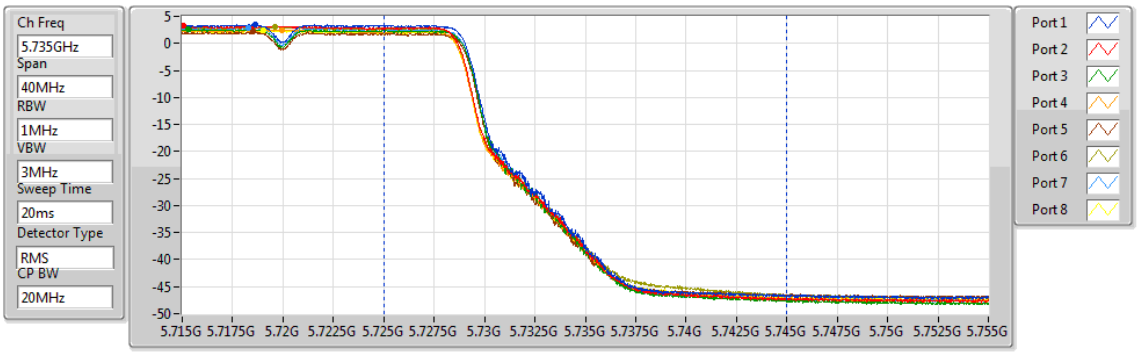


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
22.76	14.36	14.16	13.54	13.48	12.99	14.02	13.81	13.31

802.11ac VHT20_Nss4,(MCS0)_8TX — AV Power

5720MHz Straddle 5.725-5.85GHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
17.01	8.91	8.22	7.93	7.53	7.38	8.11	8.12	7.39

802.11a_(6Mbps)_8TX, 802.11ac VHT20_Nss2,(MSC0)_8TX, 802. 11ac VHT40_Nss2,(MSC0)_8TX and 802.11ac VHT80_Nss2,(MCS0)_8TX
Summary

Mode	PD (dBm/RBW)
802.11a_(6Mbps)_8TX	-
5.25-5.35GHz	8.11
5.47-5.725GHz	8.11
5.725-5.85GHz	6.40
802.11ac VHT20_Nss2,(MCS0)_8TX	-
5.25-5.35GHz	7.88
5.47-5.725GHz	7.98
5.725-5.85GHz	6.17
802.11ac VHT40_Nss2,(MCS0)_8TX	-
5.25-5.35GHz	7.18
5.47-5.725GHz	7.91
5.725-5.85GHz	5.96
802.11ac VHT80_Nss2,(MCS0)_8TX	-
5.25-5.35GHz	3.16
5.47-5.725GHz	5.12
5.725-5.85GHz	1.56

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

Result

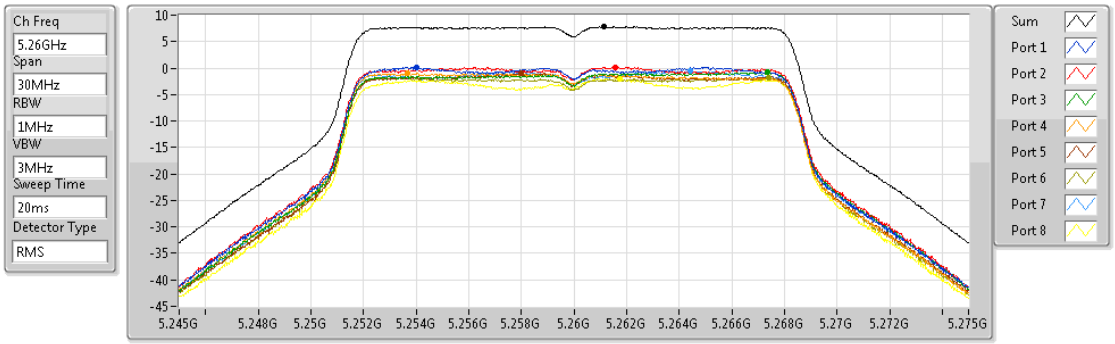
Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)
802.11a_(6 Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.80	7.81	8.20	0.15	0.18	-0.79	-1.03	-1.01	-1.79	-0.47	-1.97
5300MHz	Pass	8.80	7.99	8.20	-0.42	-0.40	-1.47	-1.45	-0.01	-0.56	0.18	-0.95
5320MHz	Pass	8.80	8.11	8.20	-0.03	-0.34	-1.11	-1.22	-0.00	-0.69	0.24	-0.88
5500MHz	Pass	8.80	7.84	8.20	-1.03	-0.56	-1.37	-0.77	-1.14	-0.34	0.69	-1.44
5580MHz	Pass	8.80	7.93	8.20	-1.40	-0.49	-1.72	-1.05	-0.21	-0.24	1.20	-0.97
5700MHz	Pass	8.80	7.91	8.20	-1.44	-1.02	-1.63	-2.29	-0.09	-0.17	1.53	0.03
5720MHz Straddle 5.47-5.725 GHz	Pass	8.80	8.11	8.20	0.09	0.08	-0.11	-0.58	-0.63	-0.67	0.28	-1.15
5720MHz Straddle 5.725-5.85 GHz	Pass	8.80	6.40	27.20	-2.32	-1.60	-2.71	-3.21	-3.14	-2.48	-0.99	-2.68
802.11ac VHT20_Nss 2,(MCS0)_8 TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.80	7.88	8.20	-1.09	-0.82	-1.52	-1.22	-0.90	-0.93	-0.07	-1.58
5300MHz	Pass	8.80	7.83	8.20	-1.07	-0.58	-2.04	-1.76	-0.52	-0.90	-0.20	-1.79
5320MHz	Pass	8.80	7.80	8.20	-1.33	-0.89	-1.78	-1.54	-0.49	-1.01	-0.21	-1.87
5500MHz	Pass	8.80	7.76	8.20	-1.61	-0.31	-1.69	-1.57	-1.58	-0.69	0.27	-2.40
5580MHz	Pass	8.80	7.73	8.20	-1.77	-0.82	-1.94	-1.48	-1.01	-0.60	0.62	-2.02
5700MHz	Pass	8.80	7.98	8.20	-0.69	-0.80	-0.48	-1.31	-1.42	-0.68	0.20	-1.75
5720MHz Straddle 5.47-5.725 GHz	Pass	8.80	7.83	8.20	-1.28	-1.53	-1.24	-1.95	-1.08	-0.29	0.25	-1.34
5720MHz Straddle 5.725-5.85 GHz	Pass	8.80	6.17	27.20	-2.87	-3.02	-3.08	-3.84	-2.57	-1.58	-1.09	-2.79
802.11ac VHT40_Nss 2,(MCS0)_8 TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	8.80	7.18	8.20	-1.43	-1.03	-1.52	-1.21	-1.94	-2.10	-1.60	-3.26
5310MHz	Pass	8.80	6.56	8.20	-2.77	-2.24	-3.11	-2.77	-1.86	-1.86	-1.42	-2.89
5510MHz	Pass	8.80	7.04	8.20	-1.67	-1.14	-1.74	-1.39	-2.88	-2.01	-1.03	-3.57
5550MHz	Pass	8.80	6.99	8.20	-2.50	-1.39	-2.23	-1.83	-2.40	-1.96	-0.55	-2.89
5670MHz	Pass	8.80	6.95	8.20	-2.24	-1.88	-2.25	-1.99	-2.32	-1.70	-0.21	-3.23
5710MHz Straddle 5.47-5.725 GHz	Pass	8.80	7.91	8.20	-0.53	-0.96	-0.89	-1.53	-1.71	-0.81	0.15	-1.41
5710MHz Straddle 5.725-5.85 GHz	Pass	8.80	5.96	27.20	-2.70	-2.55	-3.07	-3.61	-3.36	-2.41	-1.49	-3.11
802.11ac VHT80_Nss 2,(MCS0)_8 TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8.80	3.16	8.20	-5.42	-1.03	-6.00	-5.85	-5.75	-5.88	-5.08	-7.05

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)
5530MHz	Pass	8.80	4.27	8.20	-5.78	-5.12	-5.48	-5.66	-4.38	-3.96	-2.70	-4.82
5610MHz	Pass	8.80	4.71	8.20	-4.19	-4.09	-4.37	-3.88	-4.80	-4.41	-2.71	-5.33
5690MHz Straddle 5.47-5.725 GHz	Pass	8.80	5.12	8.20	-3.91	-3.81	-4.02	-3.48	-4.59	-3.46	-2.27	-4.99
5690MHz Straddle 5.725-5.85 GHz	Pass	8.80	1.56	27.20	-7.52	-7.65	-7.68	-7.15	-7.81	-6.54	-5.37	-8.16

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_(6Mbps)_8TX PSD

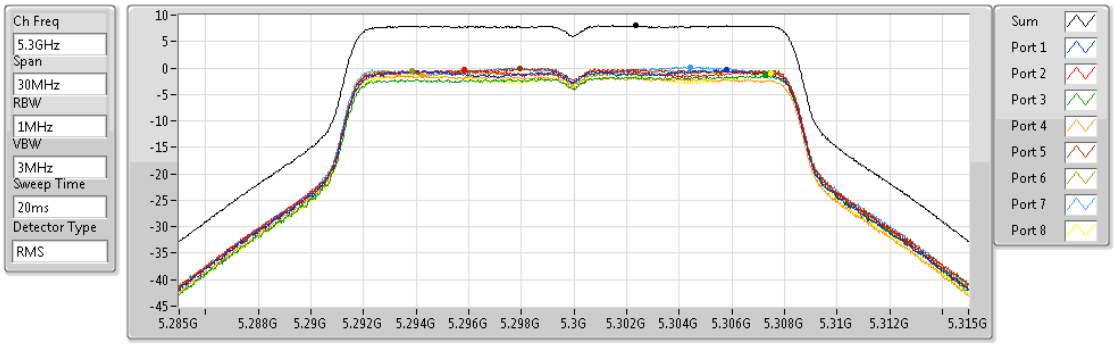
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.81	7.81	0.15	0.18	-0.79	-1.03	-1.01	-1.79	-0.47	-1.97

802.11a_(6Mbps)_8TX PSD

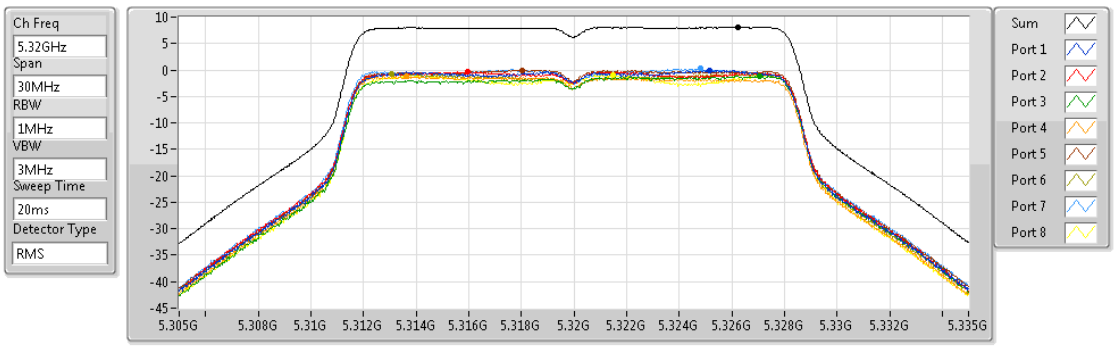
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.99	7.99	-0.42	-0.40	-1.47	-1.45	-0.01	-0.56	0.18	-0.95

802.11a_(6Mbps)_8TX PSD

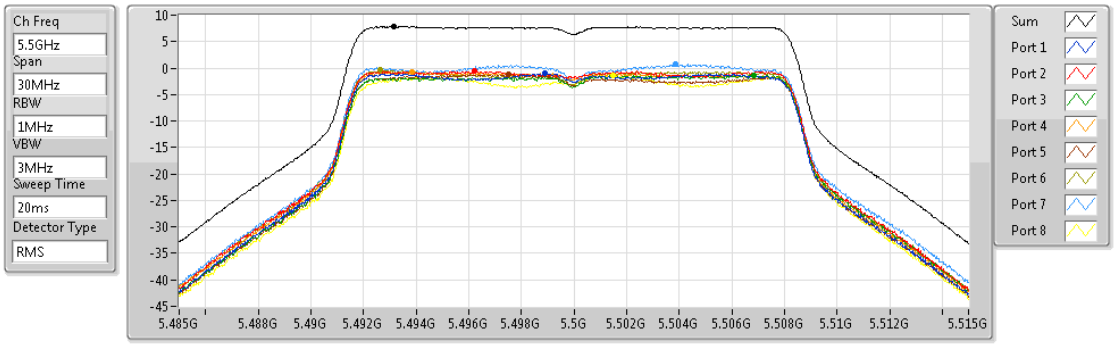
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.11	8.11	-0.03	-0.34	-1.11	-1.22	-0.00	-0.69	0.24	-0.88

802.11a_(6Mbps)_8TX PSD

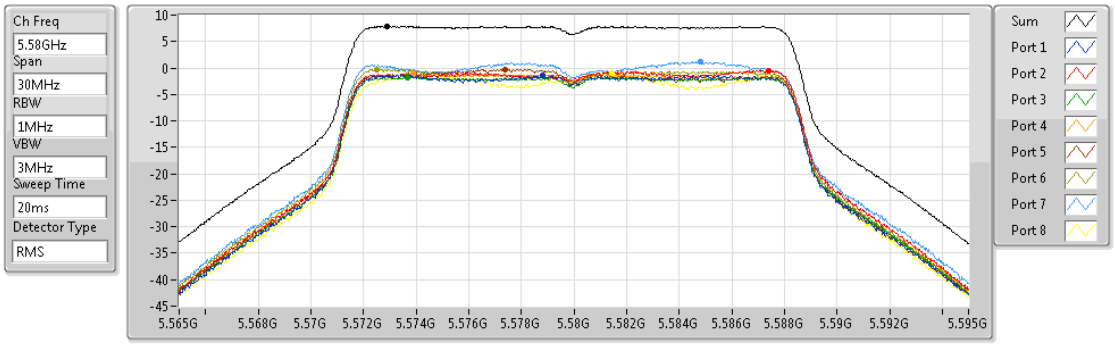
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.84	7.84	-1.03	-0.56	-1.37	-0.77	-1.14	-0.34	0.69	-1.44

802.11a_(6Mbps)_8TX PSD

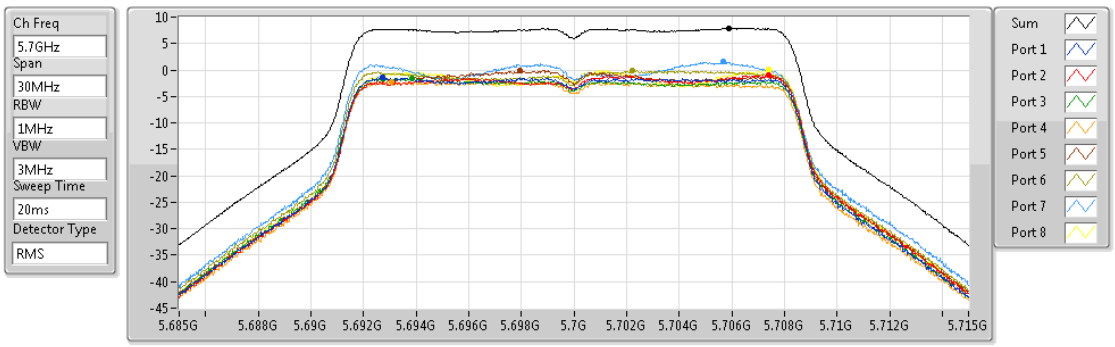
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.93	7.93	-1.40	-0.49	-1.72	-1.05	-0.21	-0.24	1.20	-0.97

802.11a_(6Mbps)_8TX PSD

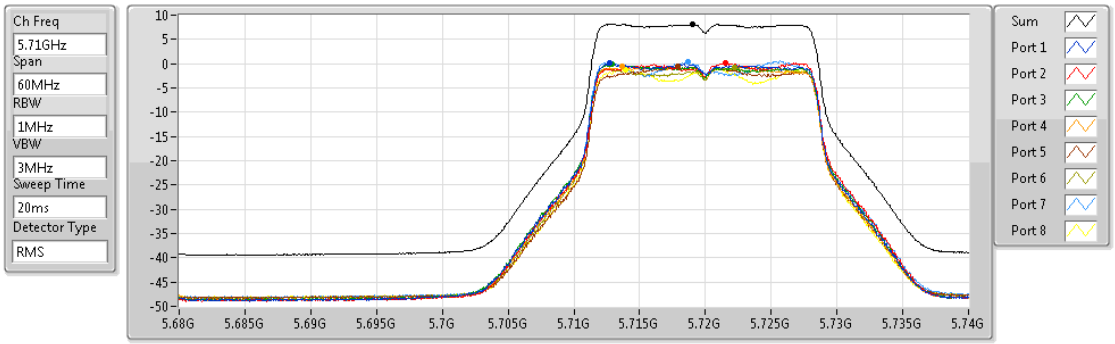
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.91	7.91	-1.44	-1.02	-1.63	-2.29	-0.09	-0.17	1.53	0.03

802.11a_(6Mbps)_8TX PSD

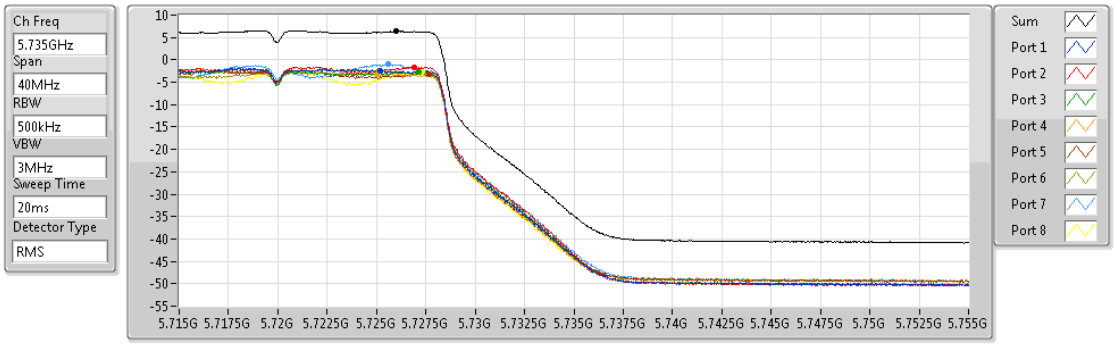
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.11	8.11	0.09	0.08	-0.11	-0.58	-0.63	-0.67	0.28	-1.15

802.11a_(6Mbps)_8TX PSD

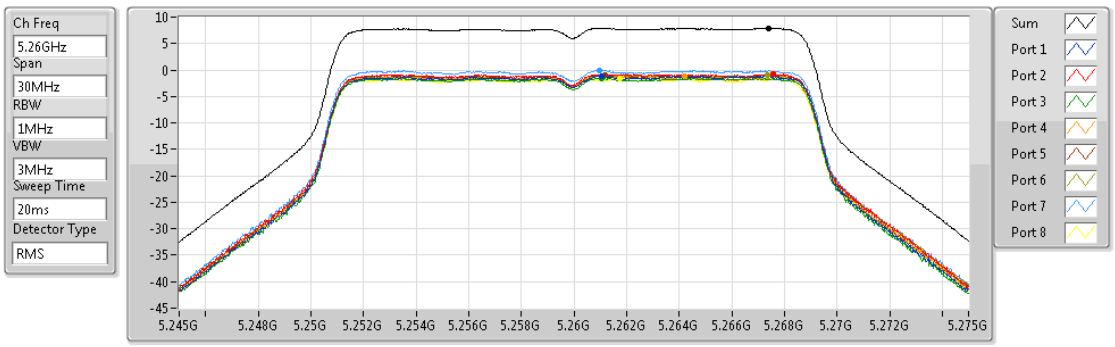
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.40	6.40	-2.32	-1.60	-2.71	-3.21	-3.14	-2.48	-0.99	-2.68

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

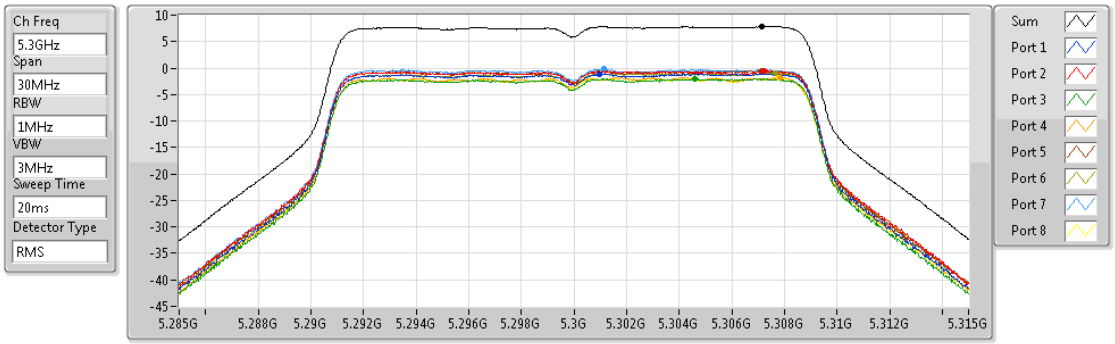
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.88	7.88	-1.09	-0.82	-1.52	-1.22	-0.90	-0.93	-0.07	-1.58

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

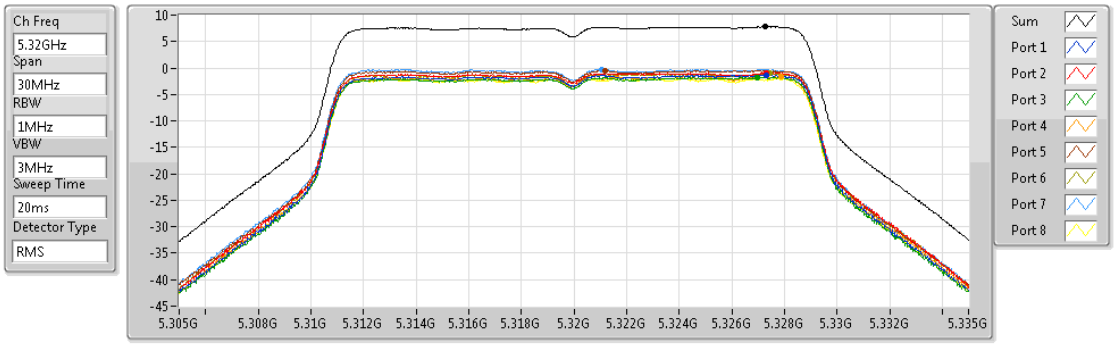
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.83	7.83	-1.07	-0.58	-2.04	-1.76	-0.52	-0.90	-0.20	-1.79

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

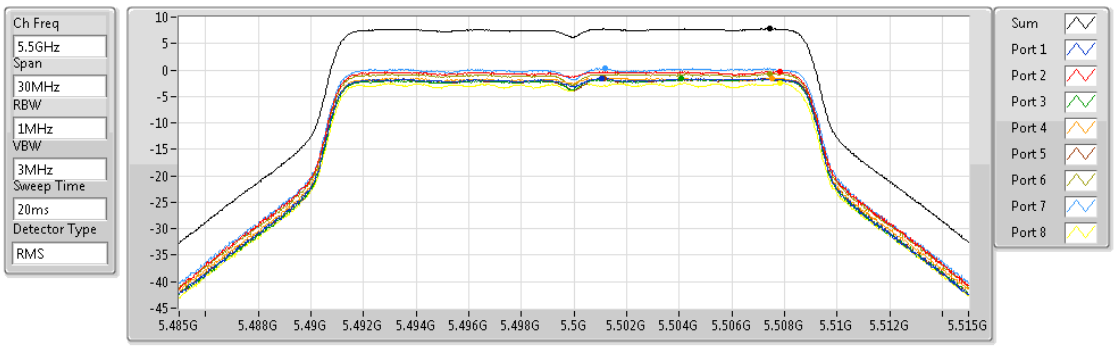
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.80	7.80	-1.33	-0.89	-1.78	-1.54	-0.49	-1.01	-0.21	-1.87

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

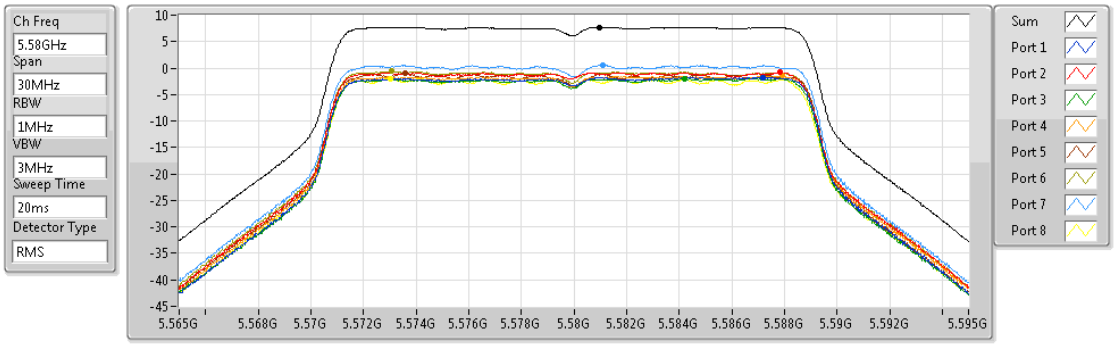
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.76	7.76	-1.61	-0.31	-1.69	-1.57	-1.58	-0.69	0.27	-2.40

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

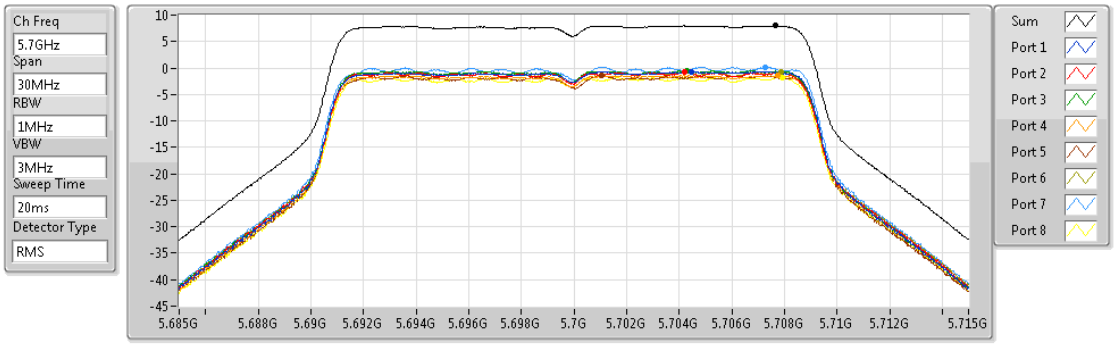
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.73	7.73	-1.77	-0.82	-1.94	-1.48	-1.01	-0.60	0.62	-2.02

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

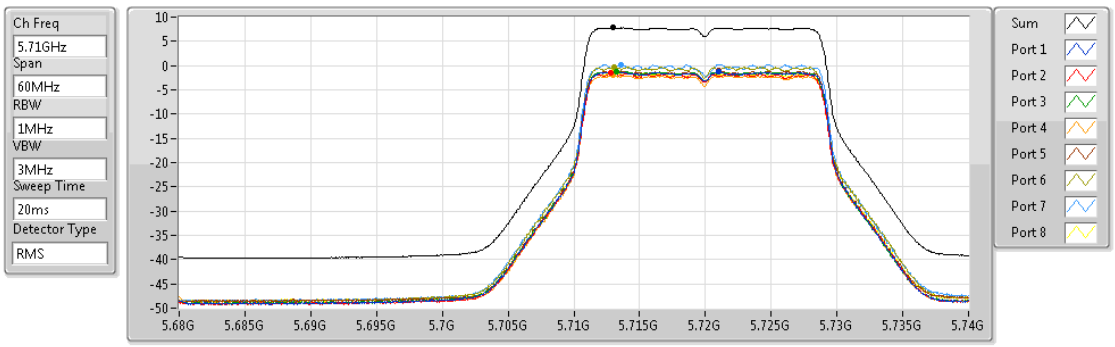
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.98	7.98	-0.69	-0.80	-0.48	-1.31	-1.42	-0.68	0.20	-1.75

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

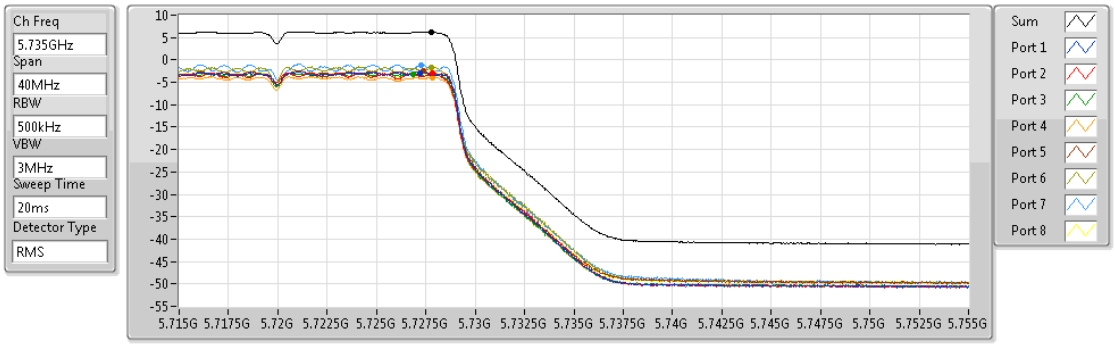
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.83	7.83	-1.28	-1.53	-1.24	-1.95	-1.08	-0.29	0.25	-1.34

802.11ac VHT20_Nss2,(MCS0)_8TX PSD

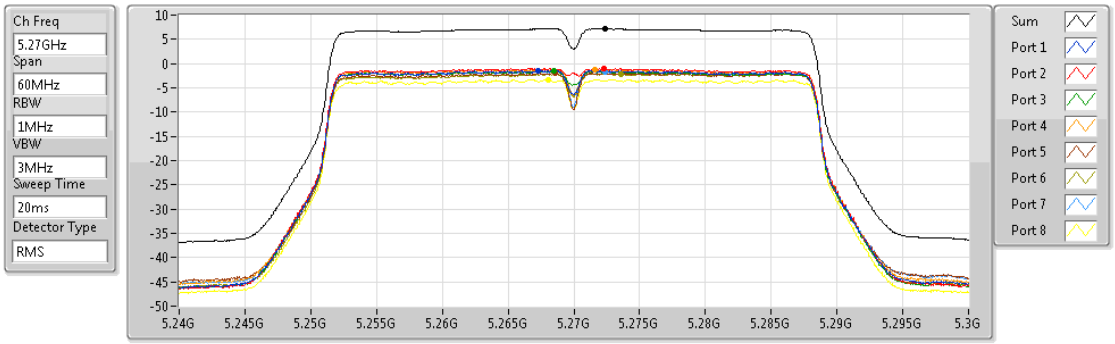
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	-2.87	-3.02	-3.08	-3.84	-2.57	-1.58	-1.09	-2.79

802.11ac VHT40_Nss2,(MCS0)_8TX PSD

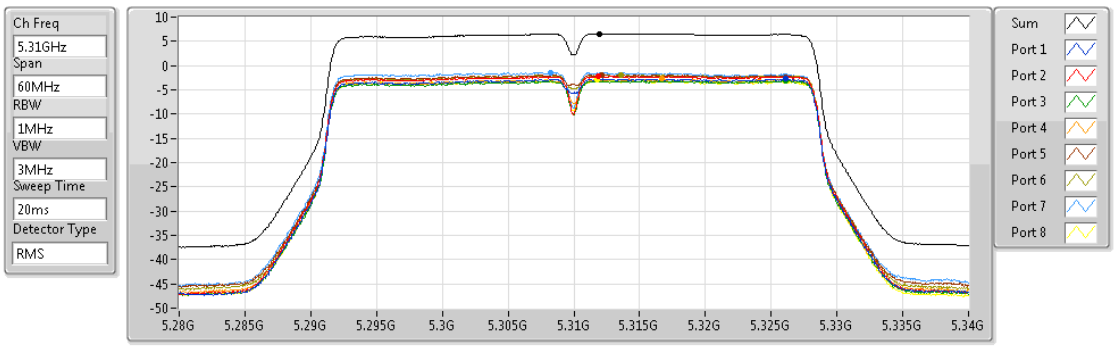
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.18	7.18	-1.43	-1.03	-1.52	-1.21	-1.94	-2.10	-1.60	-3.26

802.11ac VHT40_Nss2,(MCS0)_8TX PSD

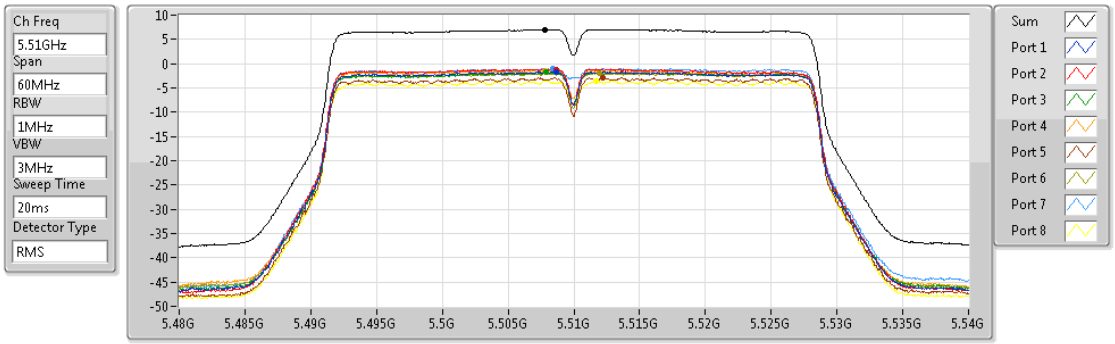
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.56	6.56	-2.77	-2.24	-3.11	-2.77	-1.86	-1.86	-1.42	-2.89

802.11ac VHT40_Nss2,(MCS0)_8TX PSD

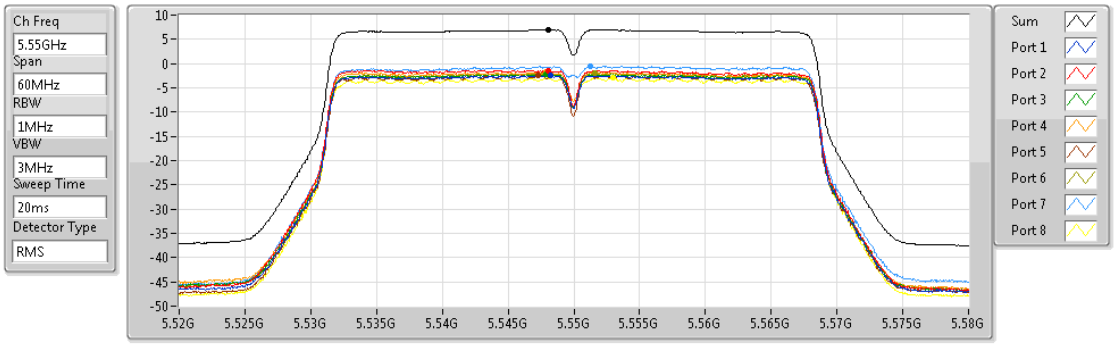
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.04	7.04	-1.67	-1.14	-1.74	-1.39	-2.88	-2.01	-1.03	-3.57

802.11ac VHT40_Nss2,(MCS0)_8TX PSD

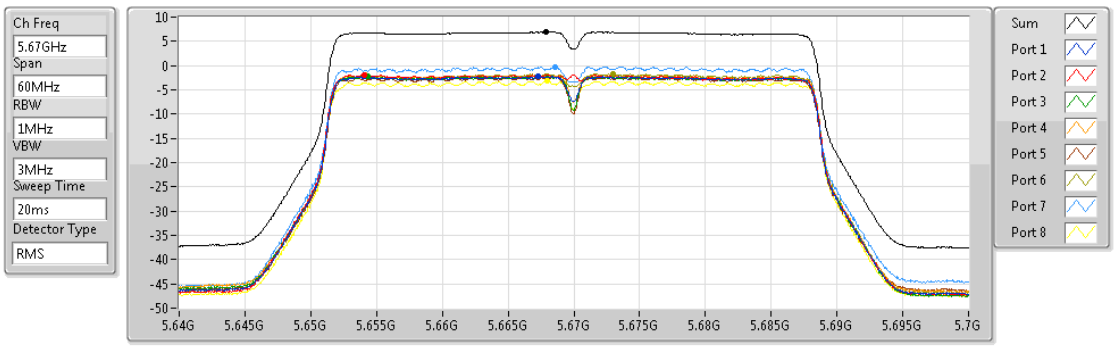
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.99	6.99	-2.50	-1.39	-2.23	-1.83	-2.40	-1.96	-0.55	-2.89

802.11ac VHT40_Nss2,(MCS0)_8TX PSD

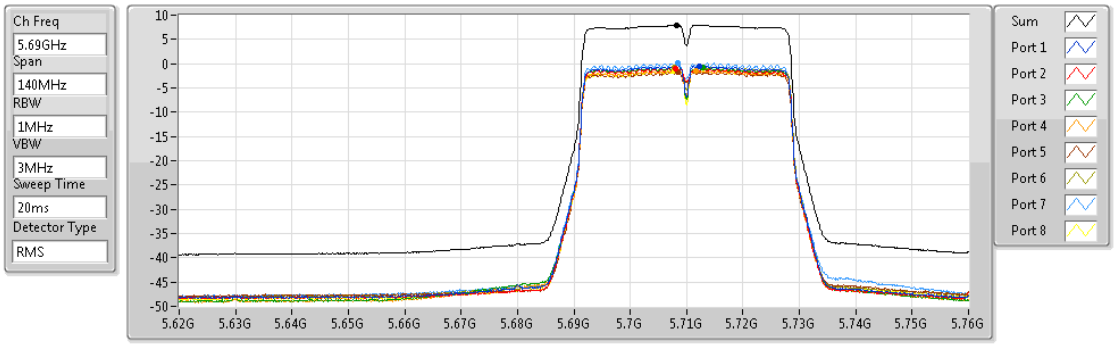
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.95	6.95	-2.24	-1.88	-2.25	-1.99	-2.32	-1.70	-0.21	-3.23

802.11ac VHT40_Nss2,(MCS0)_8TX PSD

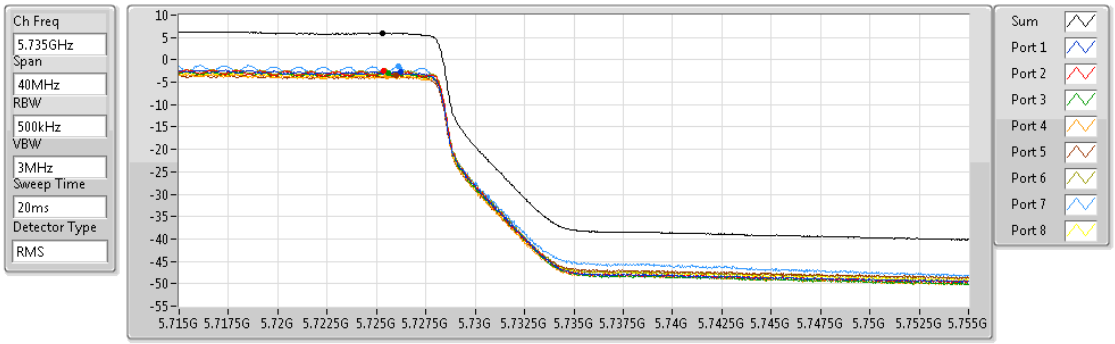
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.91	7.91	-0.53	-0.96	-0.89	-1.53	-1.71	-0.81	0.15	-1.41

802.11ac VHT40_Nss2,(MCS0)_8TX PSD

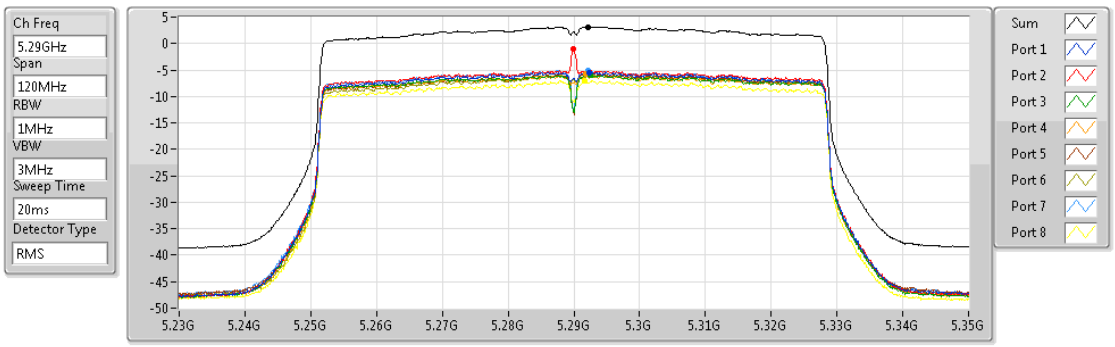
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.96	5.96	-2.70	-2.55	-3.07	-3.61	-3.36	-2.41	-1.49	-3.11

802.11ac VHT80_Nss2,(MCS0)_8TX PSD

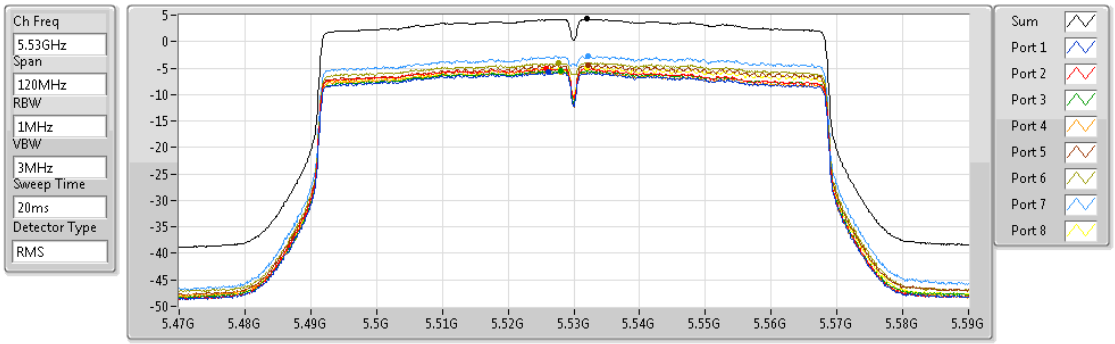
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.16	3.16	-5.42	-1.03	-6.00	-5.85	-5.75	-5.88	-5.08	-7.05

802.11ac VHT80_Nss2,(MCS0)_8TX PSD

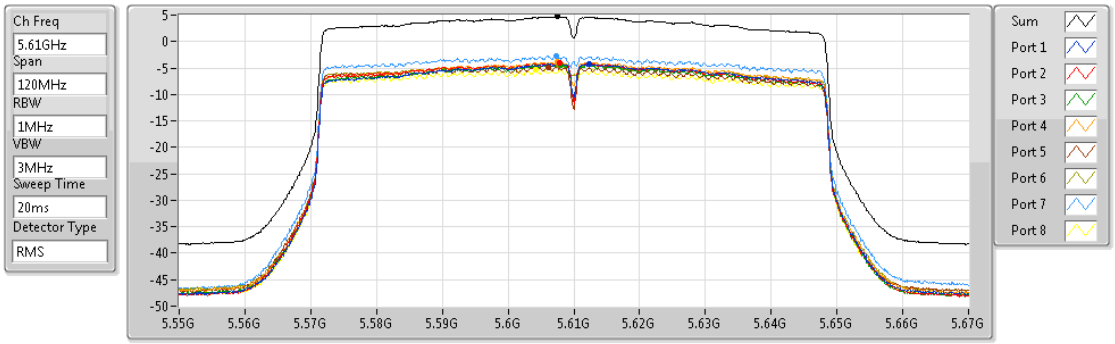
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.27	4.27	-5.78	-5.12	-5.48	-5.66	-4.38	-3.96	-2.70	-4.82

802.11ac VHT80_Nss2,(MCS0)_8TX PSD

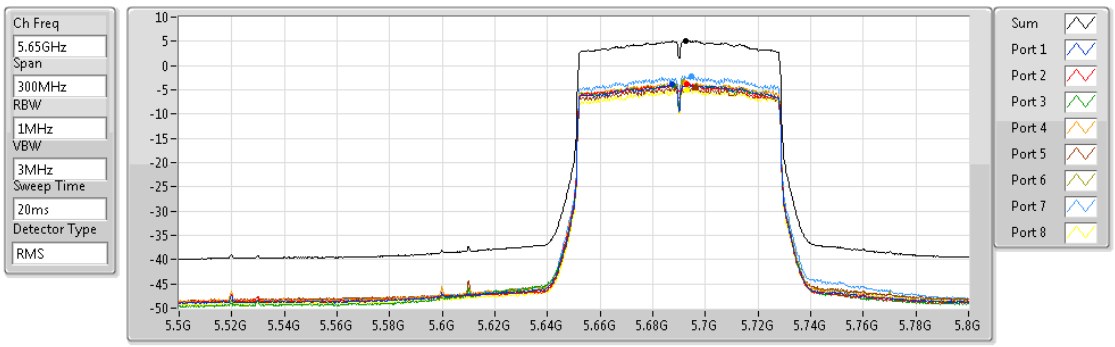
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.71	4.71	-4.19	-4.09	-4.37	-3.88	-4.80	-4.41	-2.71	-5.33

802.11ac VHT80_Nss2,(MCS0)_8TX PSD

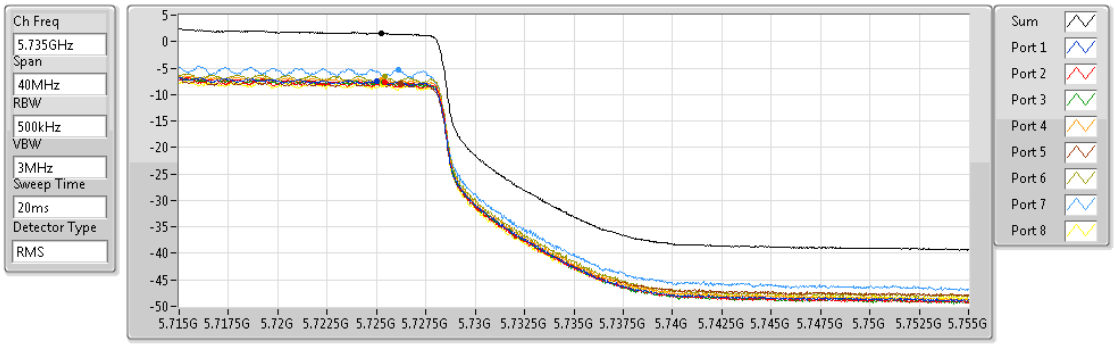
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.12	5.12	-3.91	-3.81	-4.02	-3.48	-4.59	-3.46	-2.27	-4.99

802.11ac VHT80_Nss2,(MCS0)_8TX **PSD**

5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.56	1.56	-7.52	-7.65	-7.68	-7.15	-7.81	-6.54	-5.37	-8.16

802.11ac VHT160_Nss2,(MCS0)_8TX
Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11ac VHT160_Nss2,(MCS0)_8TX	-	-
5.15-5.25GHz	4.92	13.72
5.25-5.35GHz	5.46	14.26
5.47-5.725GHz	3.18	11.98

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

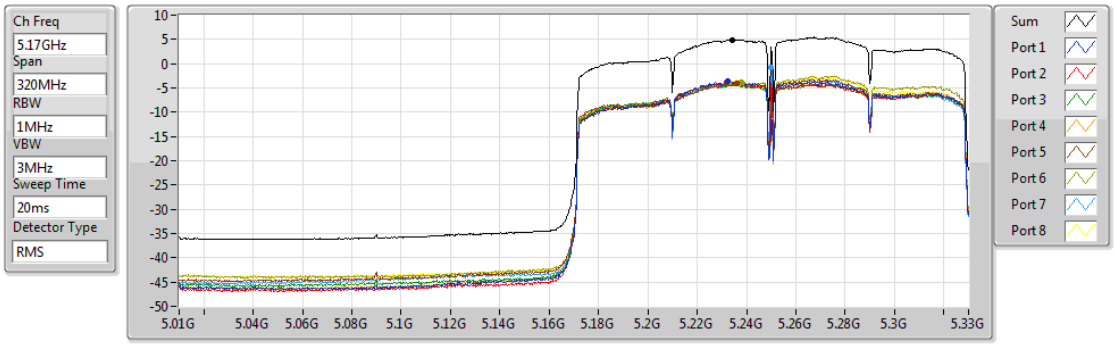
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT160_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5250MHz	Pass	8.80	-3.67	-3.91	-4.13	-3.82	-4.13	-3.83	-0.67	-3.77	4.92	14.20	13.72	Inf
5250MHz	Pass	8.80	-3.04	-3.28	-4.12	-3.78	-3.13	-3.59	-0.46	-3.04	5.46	8.20	14.26	Inf
5570MHz	Pass	8.80	-5.73	0.03	-5.89	-5.56	-6.44	-3.84	-5.49	-5.88	3.18	8.20	11.98	Inf

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ac VHT160_Nss2,(MCS0)_8TX PSD

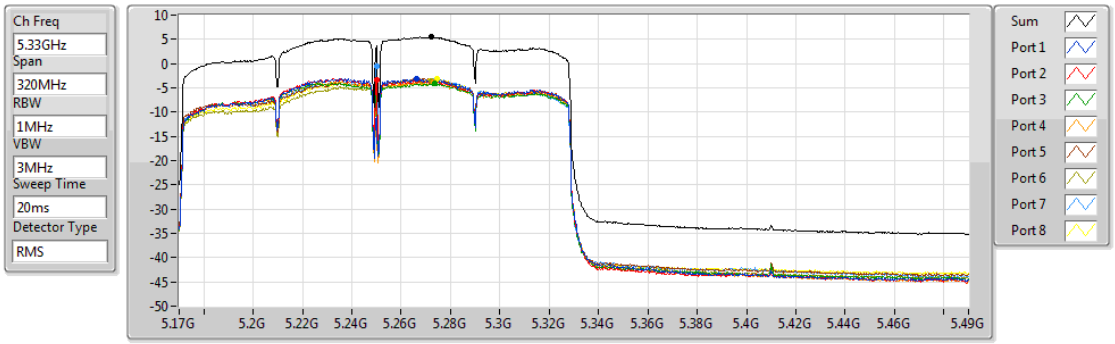
5250MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.92	4.92	-3.67	-3.91	-4.13	-3.82	-4.13	-3.83	-0.67	-3.77

802.11ac VHT160_Nss2,(MCS0)_8TX PSD

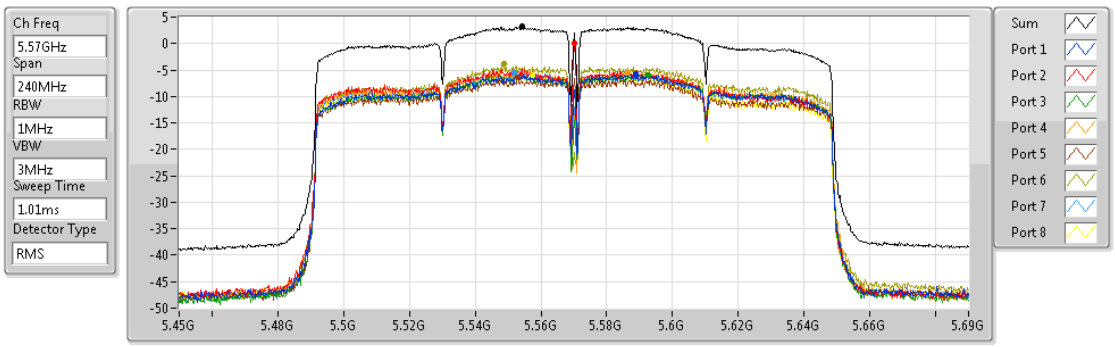
5250MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.46	5.46	-3.04	-3.28	-4.12	-3.78	-3.13	-3.59	-0.46	-3.04

802.11ac VHT160_Nss2,(MCS0)_8TX PSD

5570MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.18	3.18	-5.73	0.03	-5.89	-5.56	-6.44	-3.84	-5.49	-5.88

802.11ac VHT20_Nss4,(MCS0)_8TX
Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11ac VHT20_Nss4,(MCS0)_8TX	-	-
5.25-5.35GHz	10.21	16.00
5.47-5.725GHz	10.37	16.16
5.725-5.85GHz	8.52	14.31

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

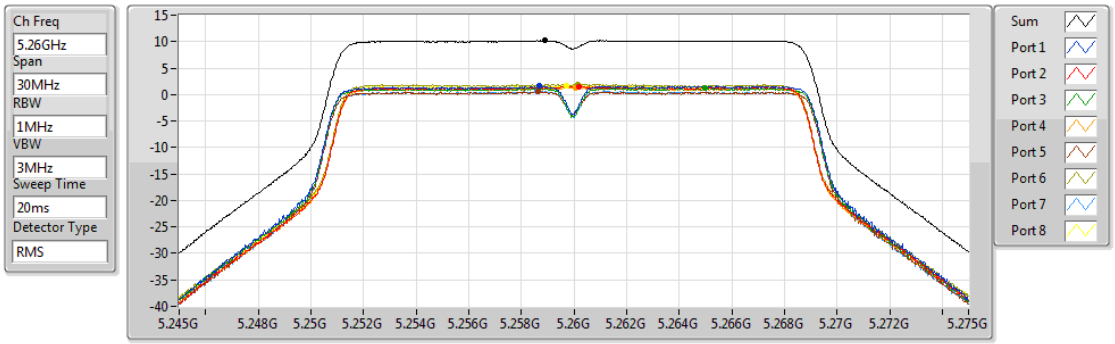
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20_Nss4,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.79	1.61	1.54	1.23	1.36	0.51	1.97	0.71	1.70	10.21	11.00	16.00	Inf
5300MHz	Pass	5.79	1.23	1.43	1.10	1.41	0.44	1.54	0.44	1.30	10.02	11.00	15.81	Inf
5320MHz	Pass	5.79	1.28	1.58	0.81	0.96	0.47	1.52	0.32	1.48	9.93	11.00	15.72	Inf
5500MHz	Pass	5.79	1.21	2.92	0.61	1.25	0.71	2.50	1.11	0.78	10.15	11.00	15.94	Inf
5580MHz	Pass	5.79	1.43	1.97	1.21	1.14	0.54	2.51	0.80	0.80	10.17	11.00	15.96	Inf
5700MHz	Pass	5.79	2.15	1.47	1.40	0.96	0.53	2.03	1.43	1.17	10.30	11.00	16.09	Inf
5720MHz Straddle 5.47-5.725GHz	Pass	5.79	2.10	1.78	1.41	1.13	0.75	1.70	1.58	0.91	10.37	11.00	16.16	Inf
5720MHz Straddle 5.725-5.85GHz	Pass	5.79	0.77	0.35	-0.23	-0.26	-0.65	0.28	0.12	-0.44	8.52	30.00	14.31	Inf

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

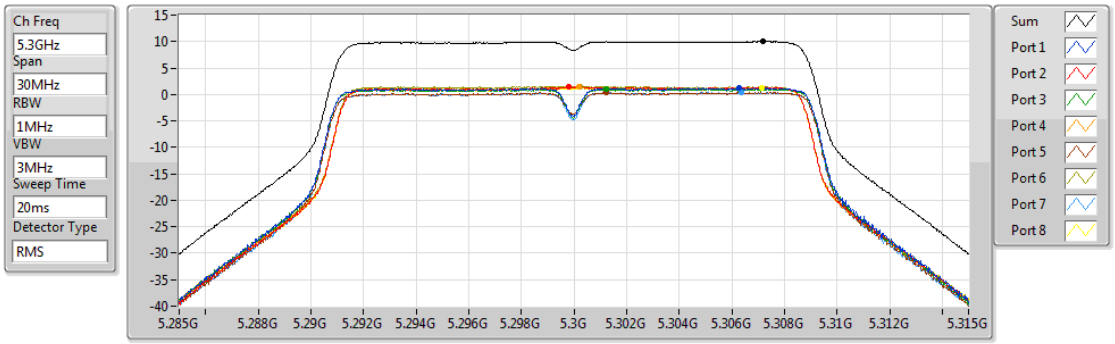
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.21	10.21	1.61	1.54	1.23	1.36	0.51	1.97	0.71	1.70

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

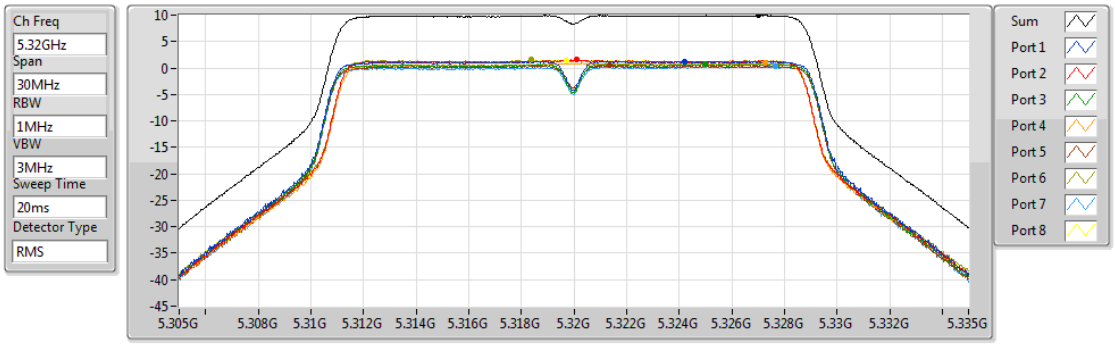
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.02	10.02	1.23	1.43	1.10	1.41	0.44	1.54	0.44	1.30

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

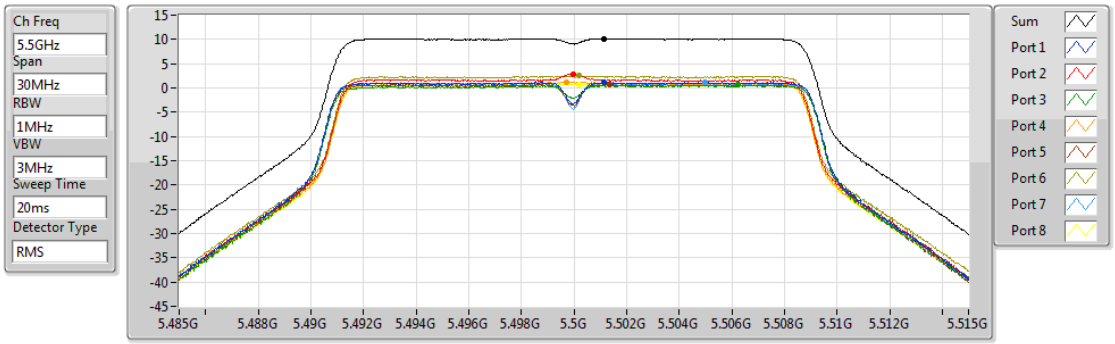
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.93	9.93	1.28	1.58	0.81	0.96	0.47	1.52	0.32	1.48

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

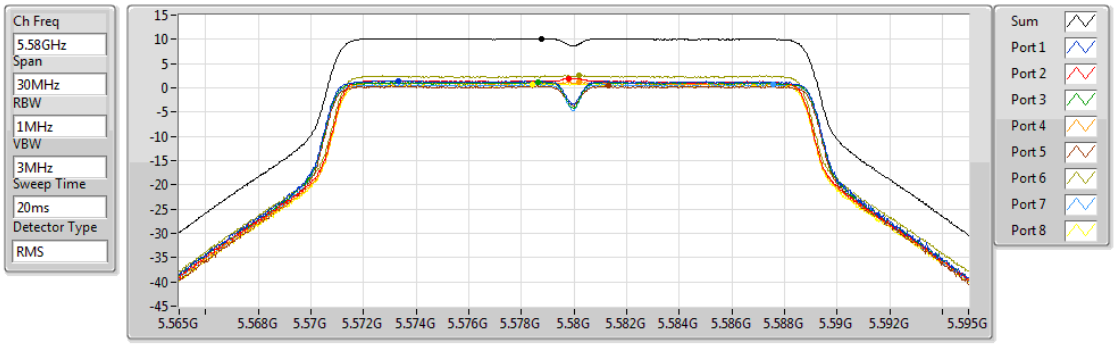
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.15	10.15	1.21	2.92	0.61	1.25	0.71	2.50	1.11	0.78

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

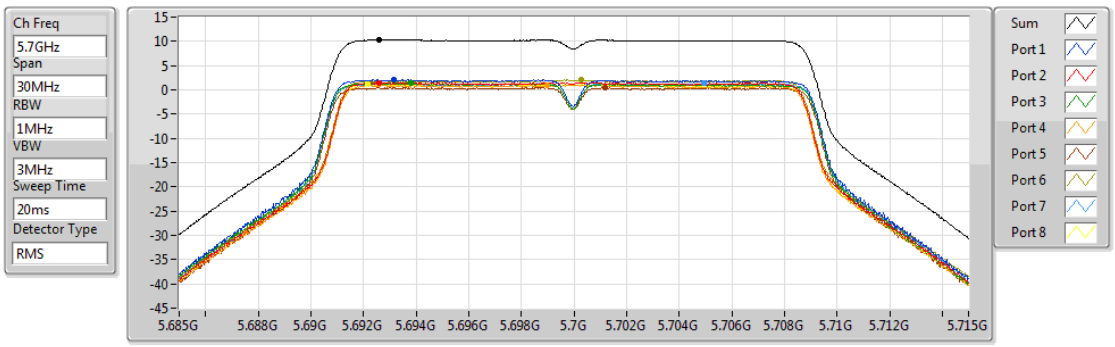
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.17	10.17	1.43	1.97	1.21	1.14	0.54	2.51	0.80	0.80

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

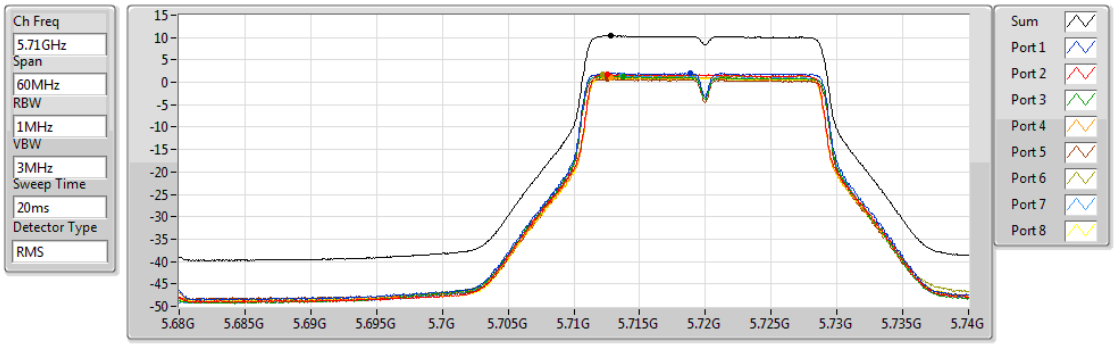
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.30	10.30	2.15	1.47	1.40	0.96	0.53	2.03	1.43	1.17

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

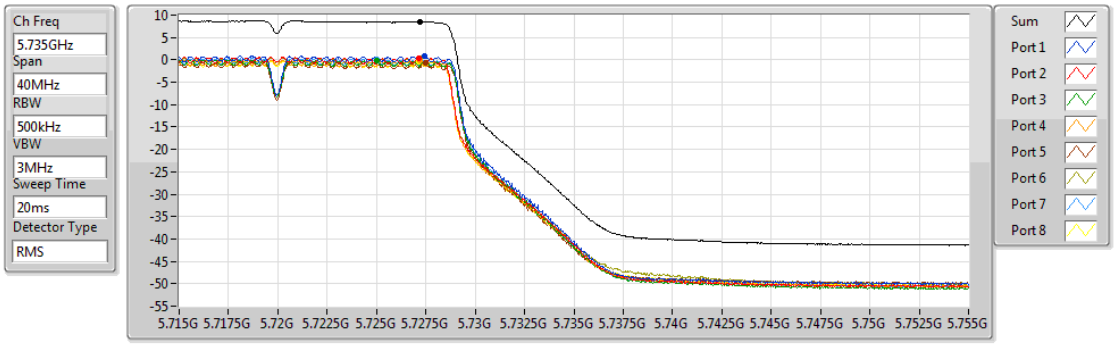
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.37	10.37	2.10	1.78	1.41	1.13	0.75	1.70	1.58	0.91

802.11ac VHT20_Nss4,(MCS0)_8TX PSD

5720MHz Straddle 5.725-5.85GHz



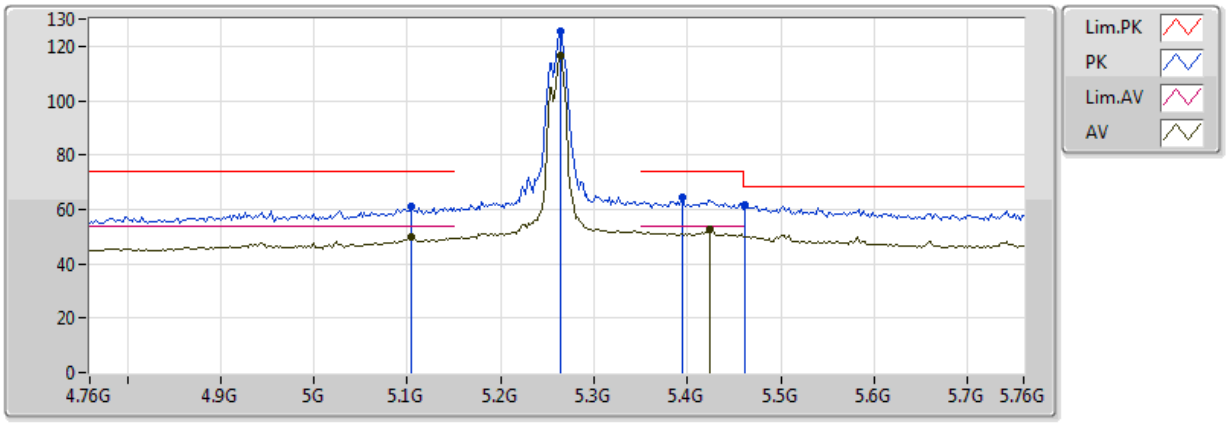
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.52	8.52	0.77	0.35	-0.23	-0.26	-0.65	0.28	0.12	-0.44

Summary

802.11ac VHT80_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5.25-5.35GHz	Pass	AV	5.350005G	52.99	54.00	-1.01	5.83	3	V	182	2.08	-

802.11a_(6Mbps)_8TX

5260MHz_TX

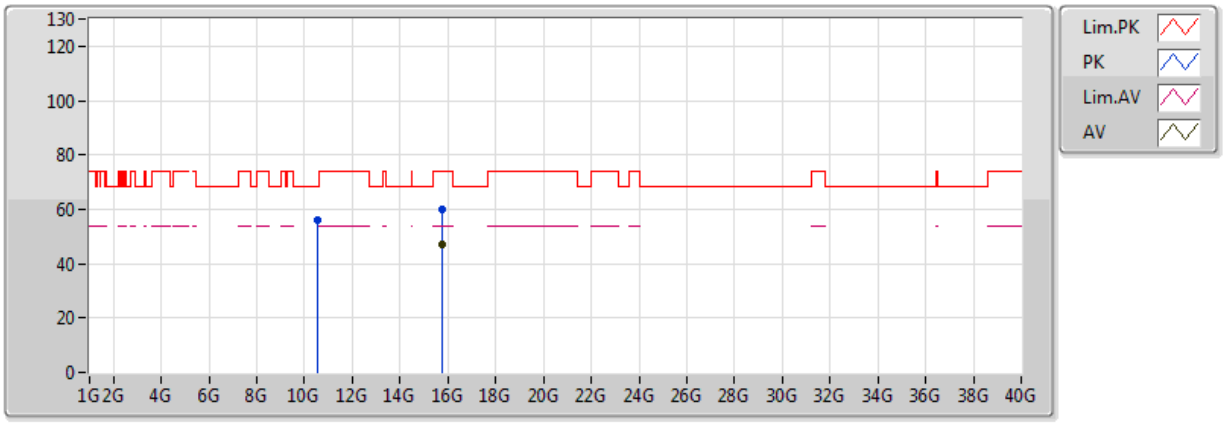


20170415
EUT Z 8TX Non-TXBF
Setting 19/18
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.104G	49.76	54.00	-4.24	5.43	3	V	217	2.04	-
AV	5.264G	116.39	Inf	-Inf	5.67	3	V	217	2.04	-
AV	5.424G	52.77	54.00	-1.23	6.06	3	V	217	2.04	-
PK	5.104G	61.14	74.00	-12.86	5.43	3	V	217	2.04	-
PK	5.264G	125.58	Inf	-Inf	5.67	3	V	217	2.04	-
PK	5.394G	64.26	74.00	-9.74	5.90	3	V	217	2.04	-
PK	5.462G	61.44	68.20	-6.76	6.16	3	V	217	2.04	-

802.11a_(6Mbps)_8TX

5260MHz_TX

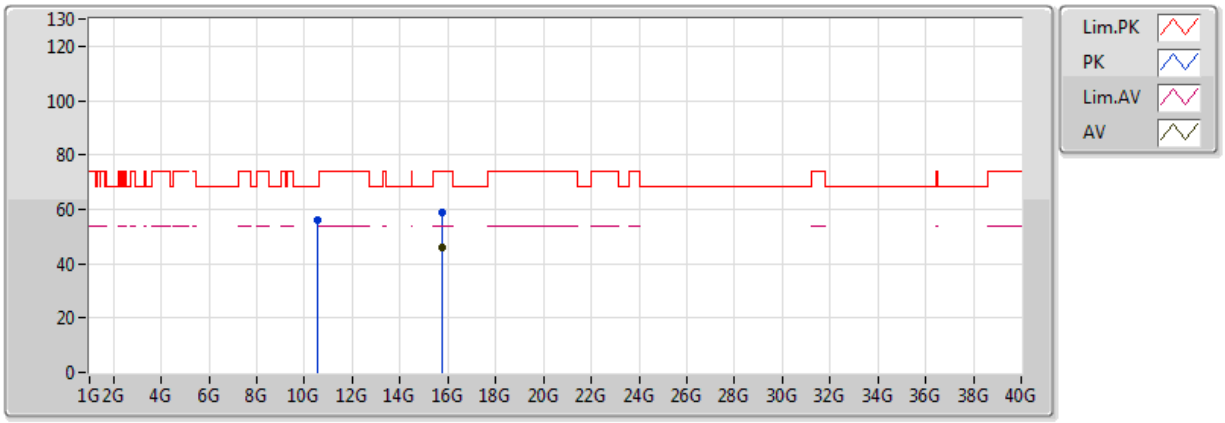


20170417
EUT Z 8TX Non-TXBF
Setting 19/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77396G	46.81	54.00	-7.19	15.60	3	V	90	1.80	-
PK	10.52556G	56.06	68.20	-12.14	13.94	3	V	70	1.32	-
PK	15.77776G	59.94	74.00	-14.06	15.60	3	V	90	1.80	-

802.11a_(6Mbps)_8TX

5260MHz_TX

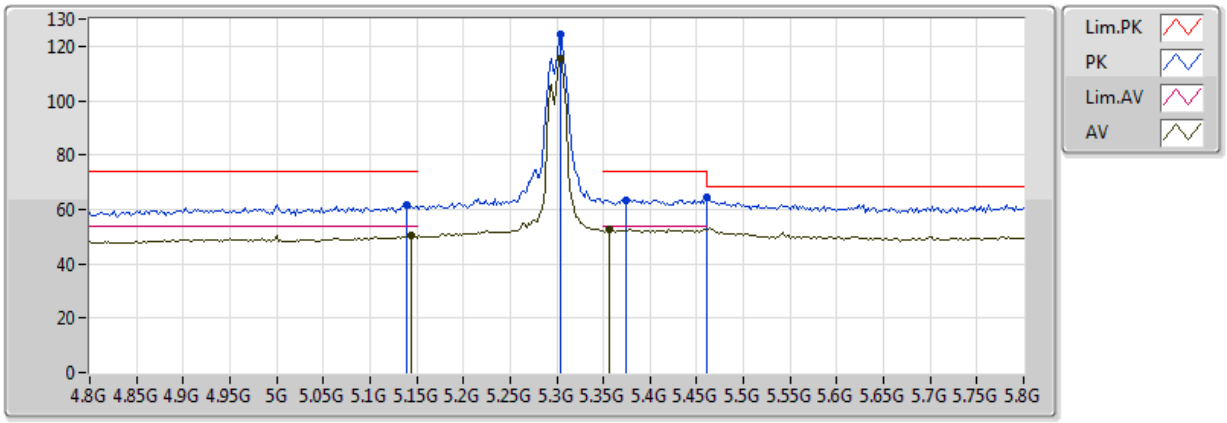


20170417
EUT Z 8TX Non-TXBF
Setting 19/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77624G	46.15	54.00	-7.85	15.60	3	H	180	1.30	-
PK	10.51324G	56.31	68.20	-11.89	13.92	3	H	329	1.50	-
PK	15.78536G	58.83	74.00	-15.17	15.60	3	H	180	1.30	-

802.11a_(6Mbps)_8TX

5300MHz_TX

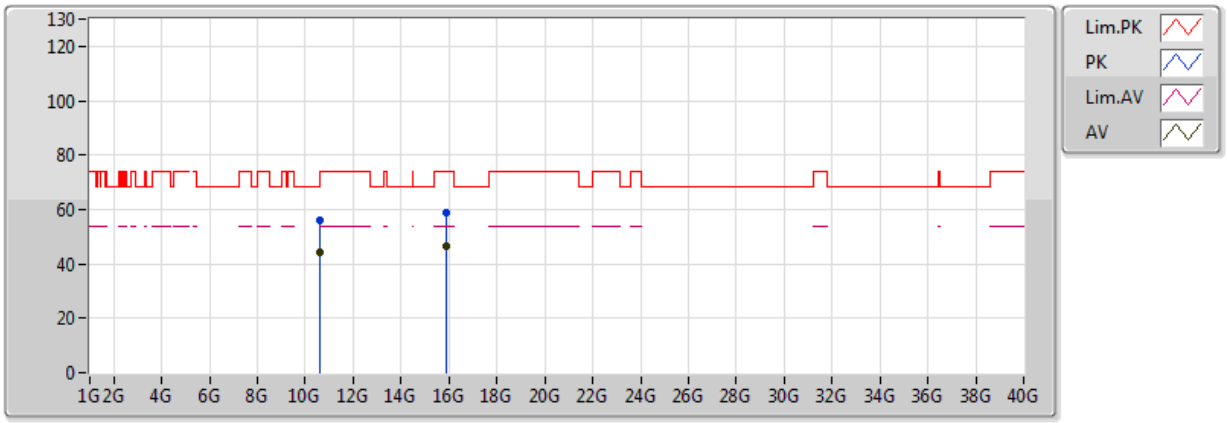


20170415
EUT Z 8TX Non-TXBF
Setting 18/18
03-W-3-13
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.144G	50.70	54.00	-3.30	5.43	3	V	218	1.92	-
AV	5.304G	115.35	Inf	-Inf	5.75	3	V	218	1.92	-
AV	5.356G	52.74	54.00	-1.26	5.84	3	V	218	1.92	-
PK	5.14G	61.42	74.00	-12.58	5.42	3	V	218	1.92	-
PK	5.304G	124.60	Inf	-Inf	5.75	3	V	218	1.92	-
PK	5.374G	63.59	74.00	-10.41	5.87	3	V	218	1.92	-
PK	5.460005G	64.22	68.20	-3.98	6.06	3	V	218	1.92	-

802.11a_(6Mbps)_8TX

5300MHz_TX

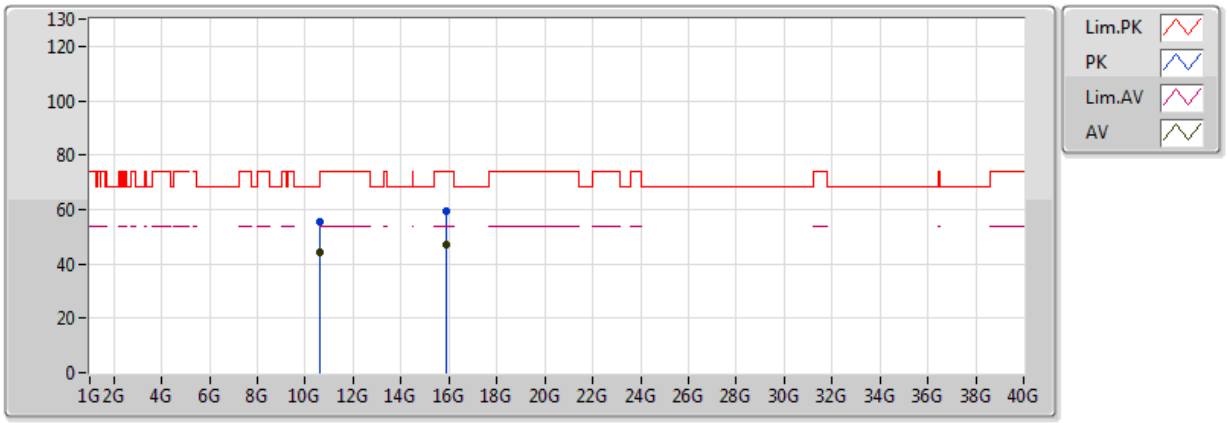


20170417
EUT Z 8TX Non-TXBF
Setting 18/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60002G	44.53	54.00	-9.47	14.05	3	V	181	1.13	-
AV	15.9047G	46.39	54.00	-7.61	15.53	3	V	349	2.39	-
PK	10.60346G	55.90	74.00	-18.10	14.06	3	V	181	1.13	-
PK	15.898G	58.96	74.00	-15.04	15.54	3	V	349	2.39	-

802.11a_(6Mbps)_8TX

5300MHz_TX

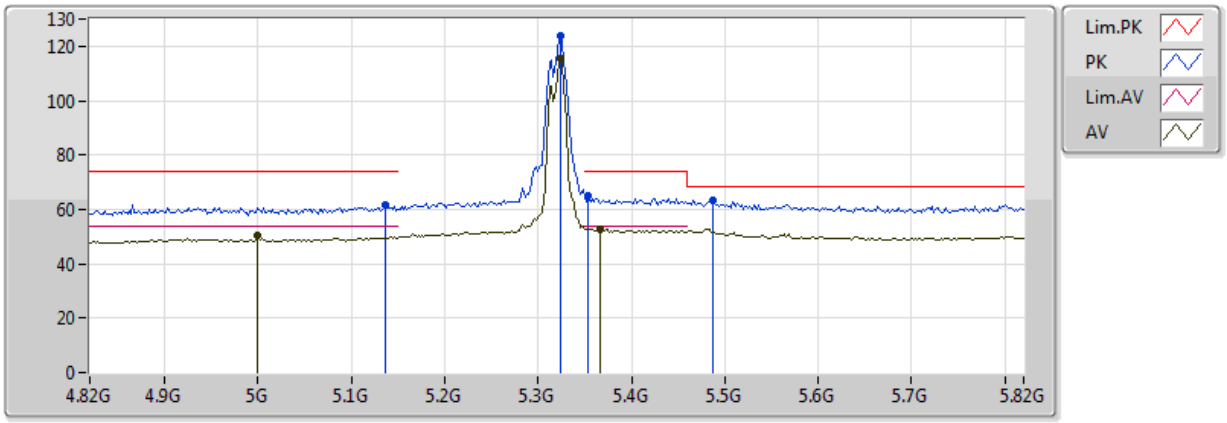


20170417
EUT Z 8TX Non-TXBF
Setting 18/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.600107G	44.54	54.00	-9.46	14.05	3	H	182	1.01	-
AV	15.89998G	47.01	54.00	-6.99	15.54	3	H	252	1.54	-
PK	10.600276G	55.61	74.00	-18.39	14.05	3	H	182	1.01	-
PK	15.89786G	59.34	74.00	-14.66	15.54	3	H	252	1.54	-

802.11a_(6Mbps)_8TX

5320MHz_TX

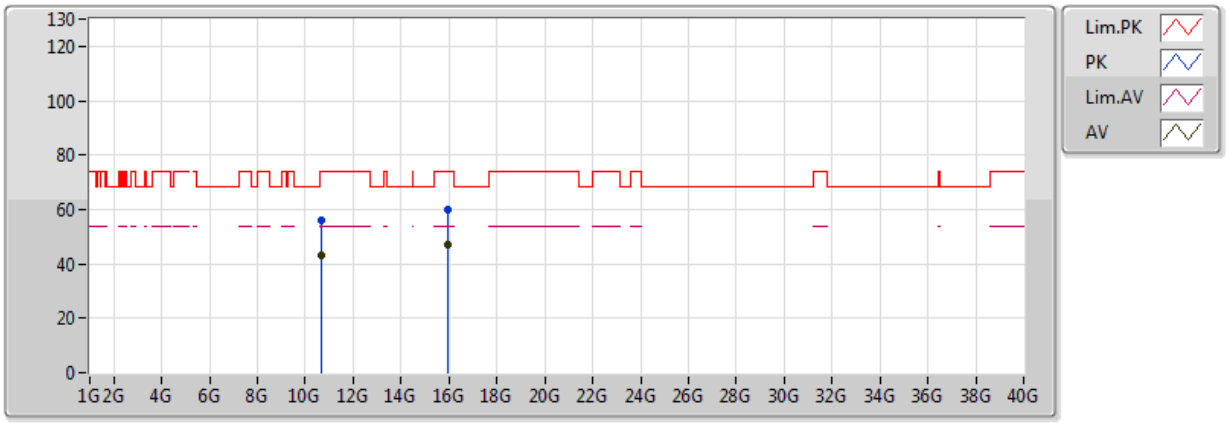


20170415
EUT Z 8TX Non-TXBF
Setting 17/18
03-W-3-13
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5G	50.58	54.00	-3.42	5.09	3	V	219	2.00	-
AV	5.324G	115.38	Inf	-Inf	5.78	3	V	219	2.00	-
AV	5.366G	52.89	54.00	-1.11	5.85	3	V	219	2.00	-
PK	5.136G	61.58	74.00	-12.42	5.42	3	V	219	2.00	-
PK	5.324G	123.73	Inf	-Inf	5.78	3	V	219	2.00	-
PK	5.354G	65.15	74.00	-8.85	5.83	3	V	219	2.00	-
PK	5.488G	63.33	68.20	-4.87	6.13	3	V	219	2.00	-

802.11a_(6Mbps)_8TX

5320MHz_TX

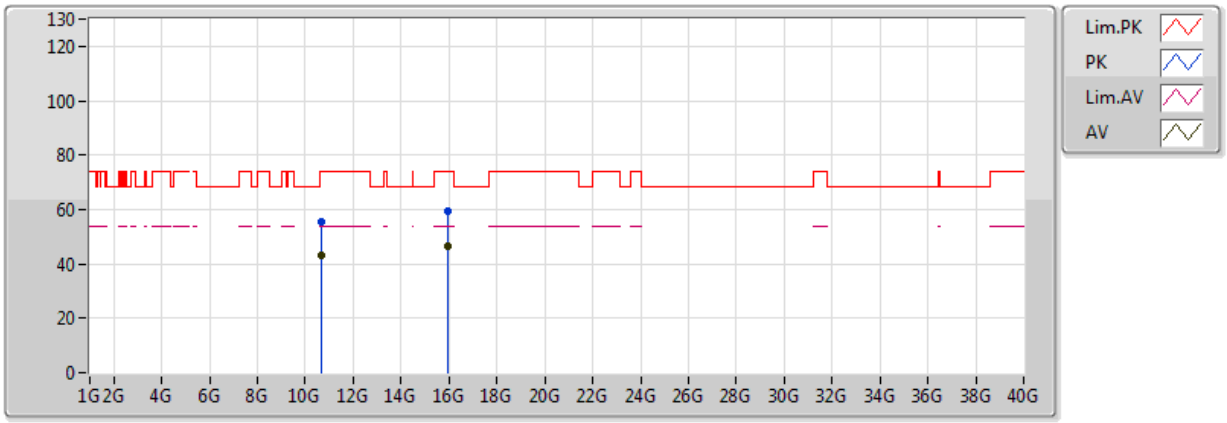


20170417
EUT Z 8TX Non-TXBF
Setting 17/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63982G	43.32	54.00	-10.68	14.11	3	V	97	1.39	-
AV	15.95894G	46.88	54.00	-7.12	15.50	3	V	163	1.73	-
PK	10.63964G	56.10	74.00	-17.90	14.11	3	V	97	1.39	-
PK	15.95674G	60.00	74.00	-14.00	15.50	3	V	163	1.73	-

802.11a_(6Mbps)_8TX

5320MHz_TX

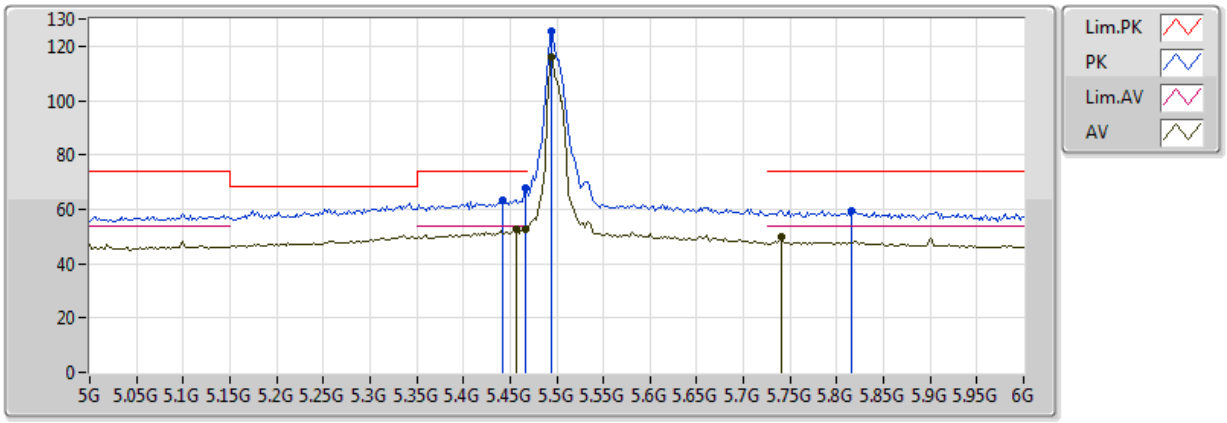


20170417
EUT Z 8TX Non-TXBF
Setting 17/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63996G	43.41	54.00	-10.59	14.11	3	H	187	1.01	-
AV	15.96228G	46.78	54.00	-7.22	15.50	3	H	110	1.65	-
PK	10.64434G	55.26	74.00	-18.74	14.11	3	H	187	1.01	-
PK	15.95936G	59.40	74.00	-14.60	15.50	3	H	110	1.65	-

802.11a_(6Mbps)_8TX

5500MHz_TX

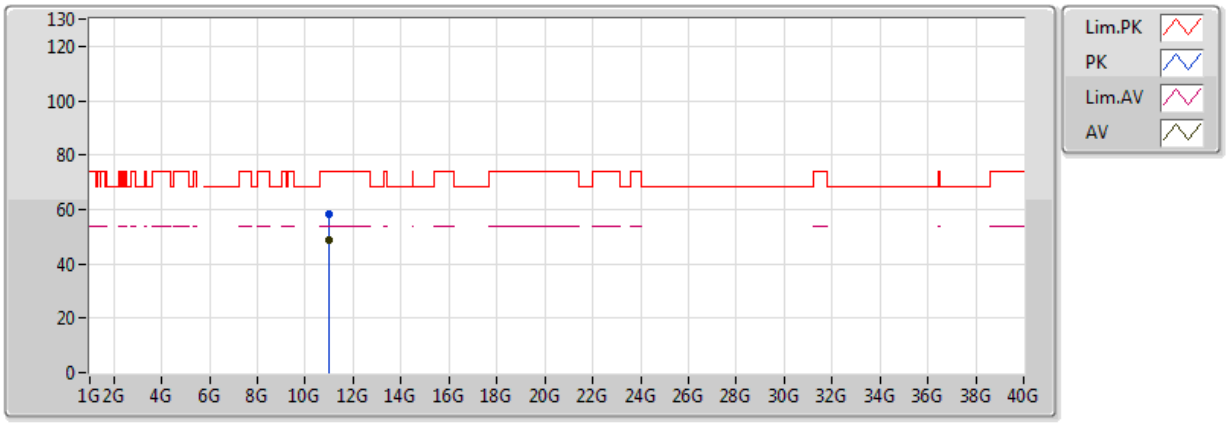


20170415
EUT Z 8TX Non-TXBF
Setting 19/19
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.456G	52.41	54.00	-1.59	6.05	3	V	81	1.94	-
AV	5.466G	52.76	54.00	-1.24	6.08	3	V	81	1.94	-
AV	5.494G	116.07	Inf	-Inf	6.15	3	V	81	1.94	-
AV	5.74G	49.84	54.00	-4.16	6.25	3	V	81	1.94	-
PK	5.442G	63.12	74.00	-10.88	6.02	3	V	81	1.94	-
PK	5.466G	67.76	74.00	-6.24	6.08	3	V	81	1.94	-
PK	5.494G	125.40	Inf	-Inf	6.15	3	V	81	1.94	-
PK	5.816G	59.40	74.00	-14.60	6.24	3	V	81	1.94	-

802.11a_(6Mbps)_8TX

5500MHz_TX

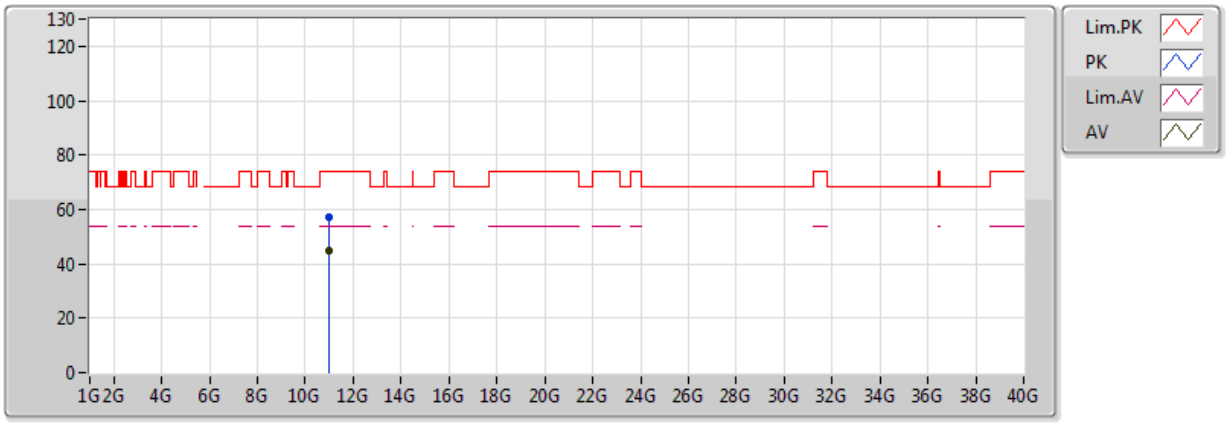


20170417
EUT Z 8TX Non-TXBF
Setting 19/19
06-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.9999G	48.67	54.00	-5.33	14.63	3	V	60	2.33	-
PK	11.00022G	58.06	74.00	-15.94	14.63	3	V	60	2.33	-

802.11a_(6Mbps)_8TX

5500MHz_TX

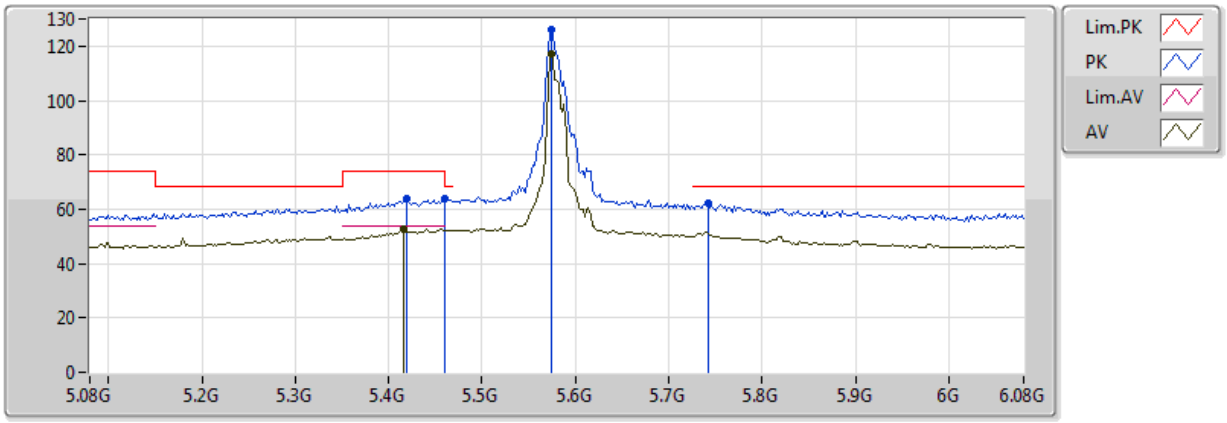


20170417
EUT Z 8TX Non-TXBF
Setting 19/19
06-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.99992G	44.88	54.00	-9.12	14.63	3	H	199	2.46	-
PK	10.99902G	56.96	74.00	-17.04	14.63	3	H	199	2.46	-

802.11a_(6Mbps)_8TX

5580MHz_TX

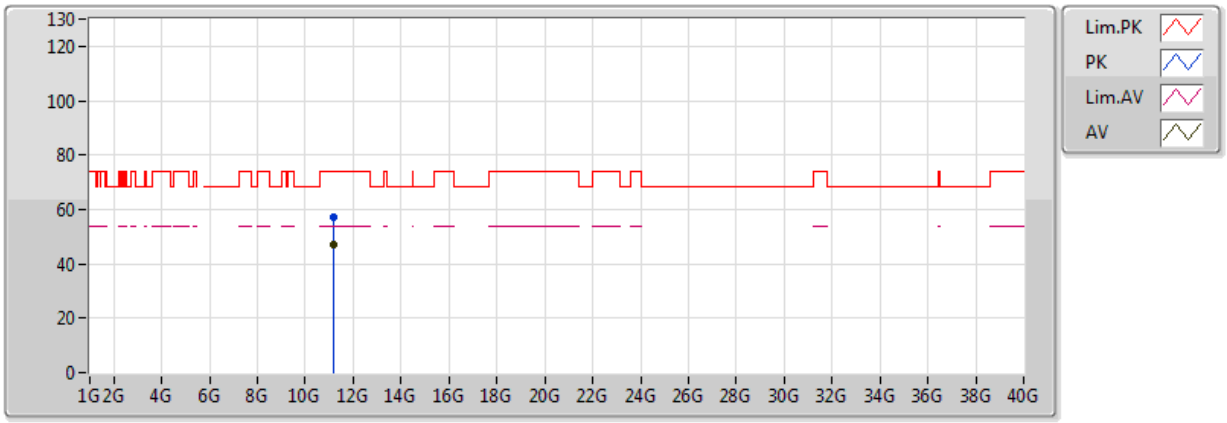


20170415
EUT Z 8TX Non-TXBF
Setting 21/21
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.416G	52.88	54.00	-1.12	5.95	3	V	81	2.00	-
AV	5.574G	117.21	Inf	-Inf	6.22	3	V	81	2.00	-
PK	5.42G	63.88	74.00	-10.12	5.96	3	V	81	2.00	-
PK	5.460005G	63.89	68.20	-4.31	6.06	3	V	81	2.00	-
PK	5.574G	126.08	Inf	-Inf	6.22	3	V	81	2.00	-
PK	5.742G	62.34	68.20	-5.86	6.25	3	V	81	2.00	-

802.11a_(6Mbps)_8TX

5580MHz_TX

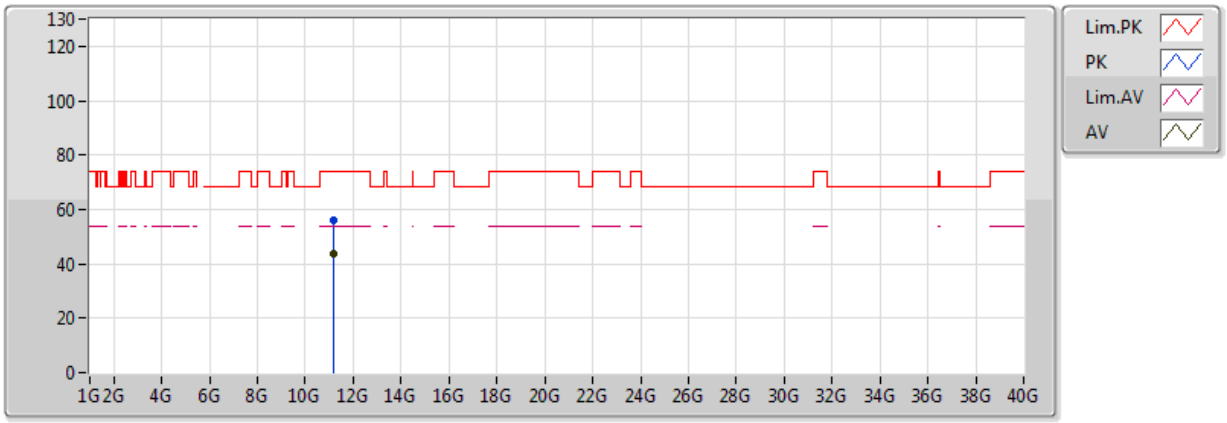


20170417
EUT Z 8TX Non-TXBF
Setting 21/21
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15992G	46.85	54.00	-7.15	13.08	3	V	317	2.24	-
PK	11.15588G	57.13	74.00	-16.87	13.08	3	V	317	2.24	-

802.11a_(6Mbps)_8TX

5580MHz_TX

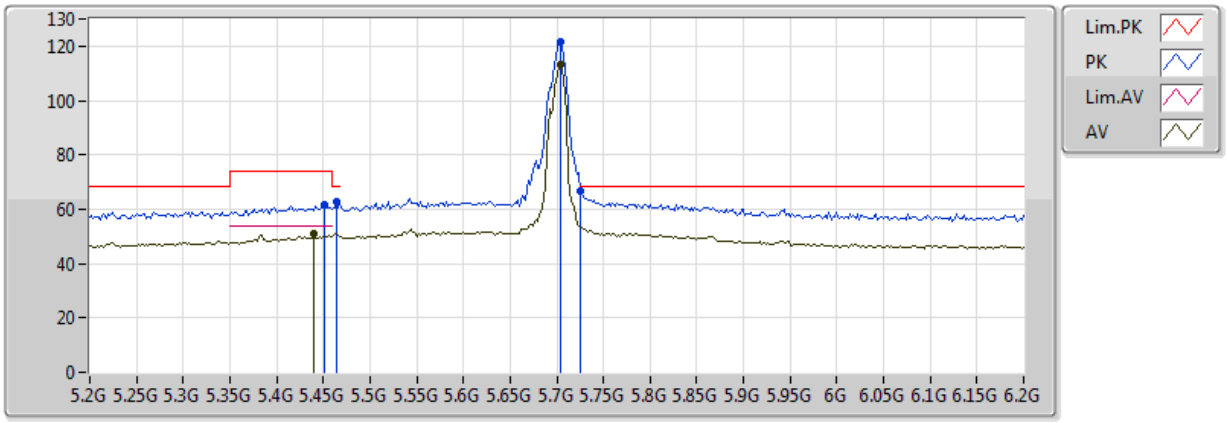


20170417
EUT Z 8TX Non-TXBF
Setting 21/21
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16008G	43.65	54.00	-10.35	13.08	3	H	47	1.69	-
PK	11.15978G	55.87	74.00	-18.13	13.08	3	H	47	1.69	-

802.11a_(6Mbps)_8TX

5700MHz_TX

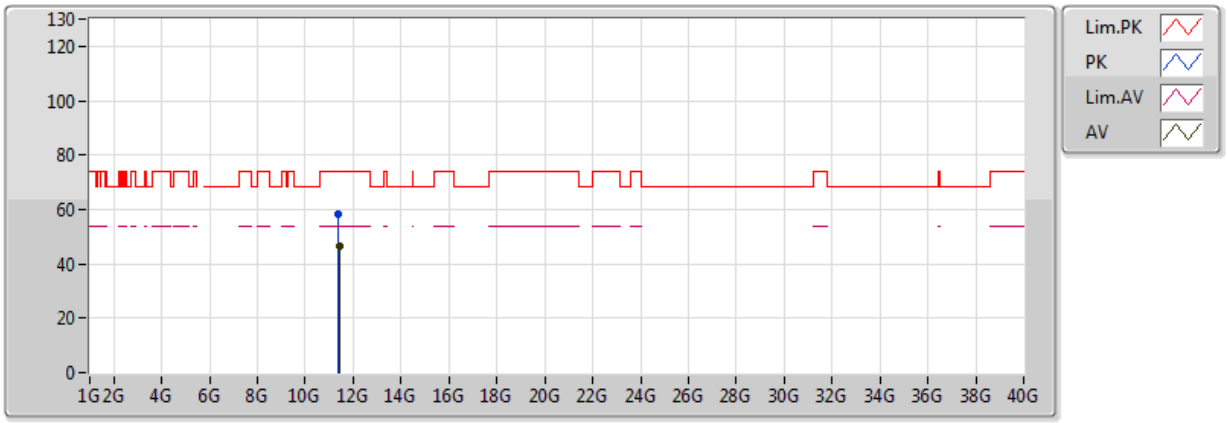


20170415
EUT Z 8TX Non-TXBF
Setting 19/20
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.44G	50.82	54.00	-3.18	6.01	3	V	221	1.91	-
AV	5.704G	113.09	Inf	-Inf	6.25	3	V	221	1.91	-
PK	5.452G	61.44	74.00	-12.56	6.04	3	V	221	1.91	-
PK	5.464G	62.89	68.20	-5.31	6.07	3	V	221	1.91	-
PK	5.704G	121.66	Inf	-Inf	6.25	3	V	221	1.91	-
PK	5.726G	66.92	68.20	-1.28	6.25	3	V	221	1.91	-

802.11a_(6Mbps)_8TX

5700MHz_TX

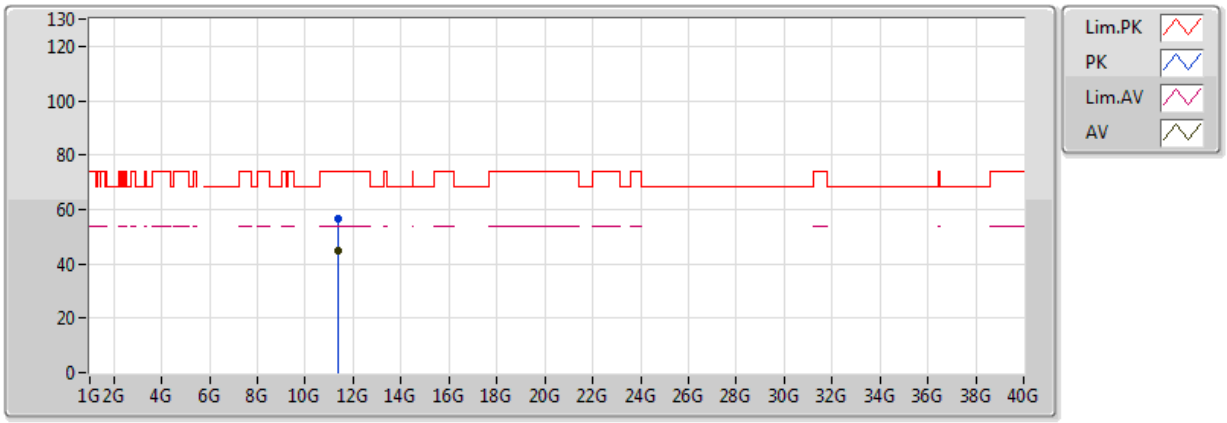


20170415
EUT Z 8TX Non-TXBF
Setting 19/20
06-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4026G	46.44	54.00	-7.56	14.73	3	V	125	2.02	-
PK	11.39724G	58.25	74.00	-15.75	14.73	3	V	125	2.02	-

802.11a_(6Mbps)_8TX

5700MHz_TX

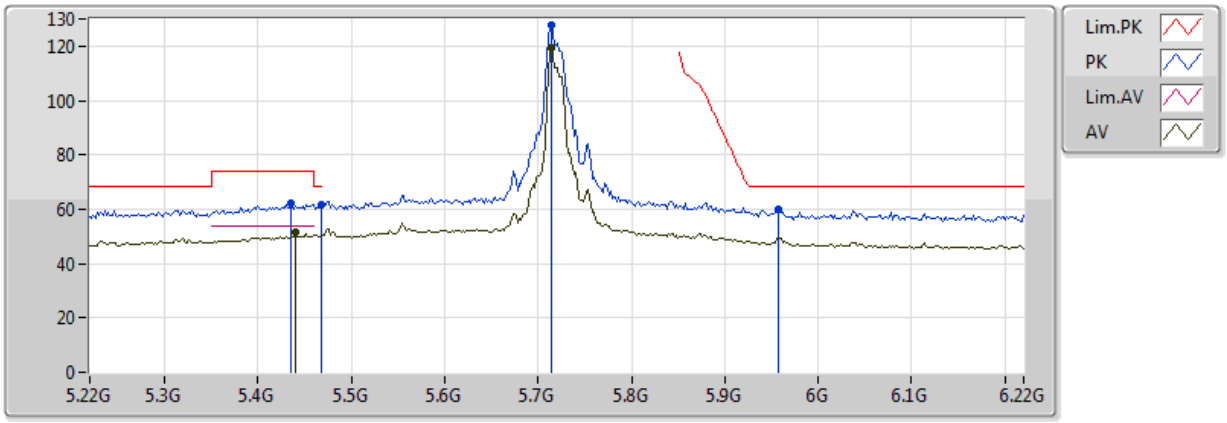


20170415
EUT Z 8TX Non-TXBF
Setting 19/20
06-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39984G	44.71	54.00	-9.29	13.33	3	H	86	1.84	-
PK	11.39936G	56.59	74.00	-17.41	13.33	3	H	86	1.84	-

802.11a_(6Mbps)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

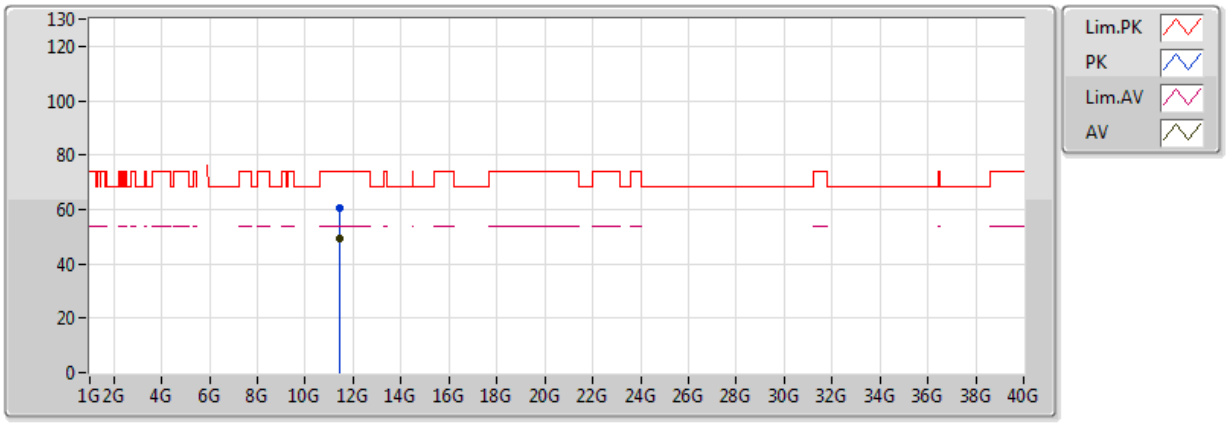


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.44G	51.37	54.00	-2.63	6.01	3	V	147	2.15	-
AV	5.714G	119.20	Inf	-Inf	6.25	3	V	147	2.15	-
PK	5.436G	62.21	74.00	-11.79	6.00	3	V	147	2.15	-
PK	5.468G	61.70	68.20	-6.50	6.08	3	V	147	2.15	-
PK	5.714G	127.95	Inf	-Inf	6.25	3	V	147	2.15	-
PK	5.958G	60.09	68.20	-8.11	6.17	3	V	147	2.15	-

802.11a_(6Mbps)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

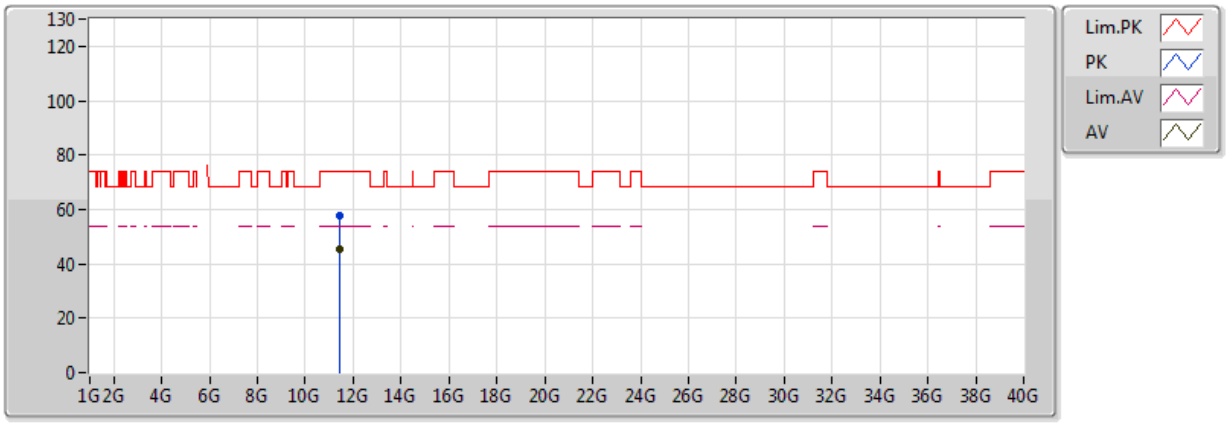


20170417
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.43986G	49.17	54.00	-4.83	14.74	3	V	24	1.71	-
PK	11.43588G	60.75	74.00	-13.25	14.73	3	V	24	1.71	-

802.11a_(6Mbps)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

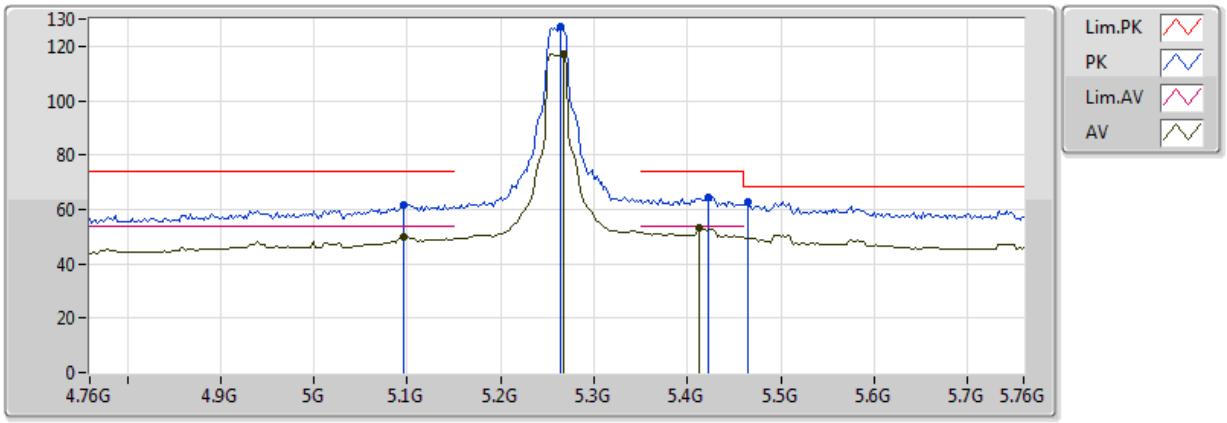


20170417
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.43576G	45.18	54.00	-8.82	14.73	3	H	126	2.10	-
PK	11.4437G	57.96	74.00	-16.04	14.74	3	H	126	2.10	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5260MHz_TX

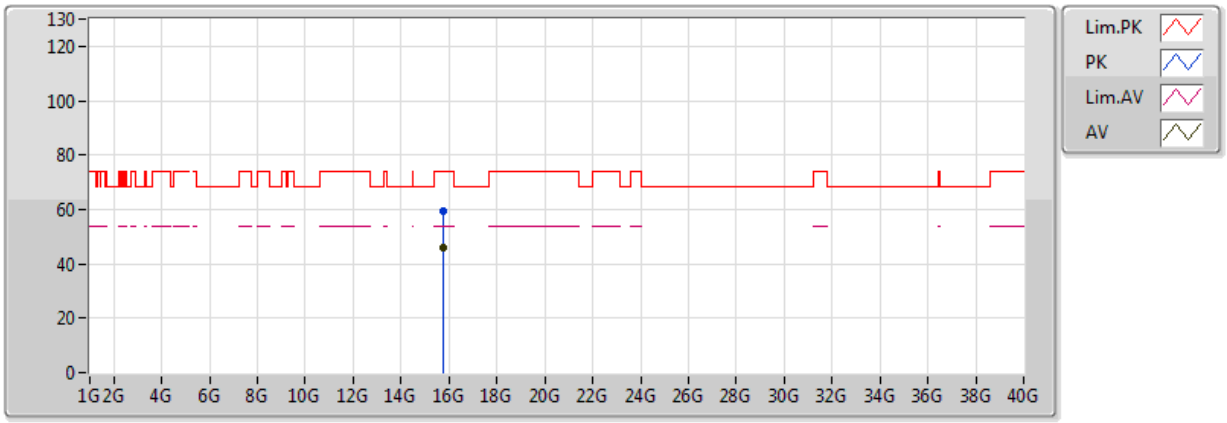


20170415
EUT Z 8TX Non-TXBF
Setting 22/21
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.096G	49.67	54.00	-4.33	5.33	3	V	188	2.04	-
AV	5.268G	117.33	Inf	-Inf	5.68	3	V	188	2.04	-
AV	5.412G	52.98	54.00	-1.02	5.94	3	V	188	2.04	-
PK	5.096G	61.73	74.00	-12.27	5.33	3	V	188	2.04	-
PK	5.264G	127.05	Inf	-Inf	5.67	3	V	188	2.04	-
PK	5.422G	64.42	74.00	-9.58	5.97	3	V	188	2.04	-
PK	5.464G	62.67	68.20	-5.53	6.07	3	V	188	2.04	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5260MHz_TX

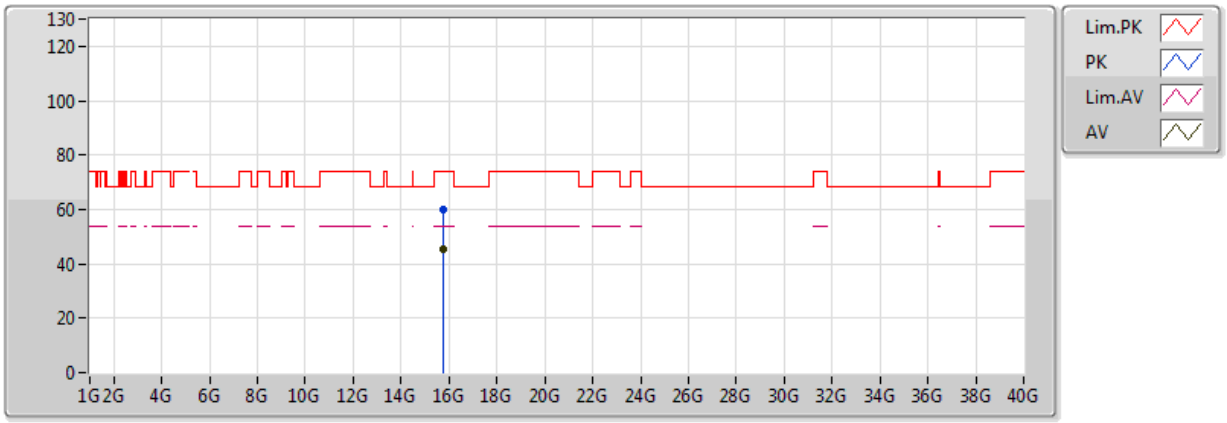


20170417
EUT Z 8TX Non-TXBF
Setting 22/21
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78194G	46.01	54.00	-7.99	15.60	3	V	164	1.46	-
PK	15.78138G	59.66	74.00	-14.34	15.60	3	V	164	1.46	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5260MHz_TX

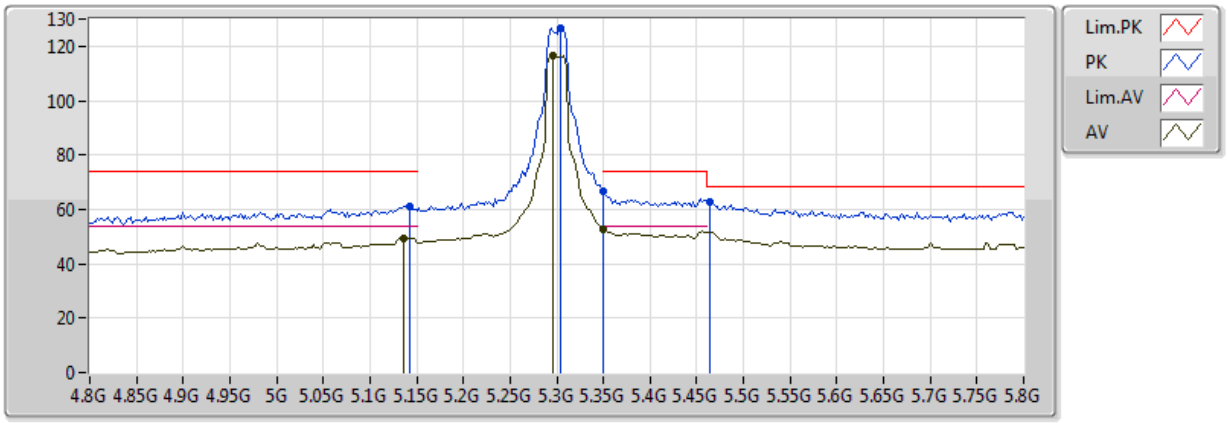


20170417
EUT Z 8TX Non-TXBF
Setting 22/21
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77728G	45.45	54.00	-8.55	15.60	3	H	221	1.76	-
PK	15.7848G	60.14	74.00	-13.86	15.60	3	H	221	1.76	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5300MHz_TX

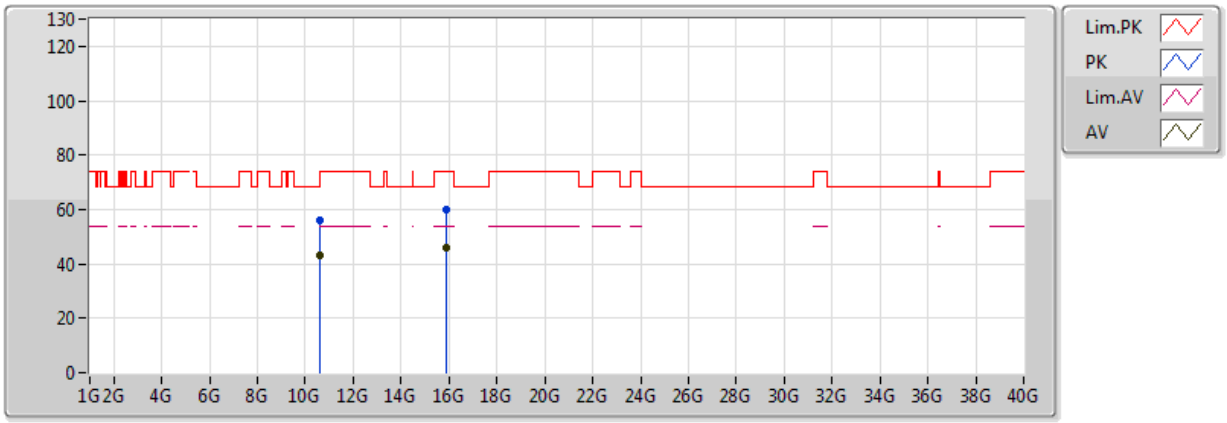


20170415
EUT Z 8TX Non-TXBF
Setting 22/22
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.136G	49.37	54.00	-4.63	5.42	3	V	121	1.80	-
AV	5.296G	116.55	Inf	-Inf	5.73	3	V	121	1.80	-
AV	5.350005G	52.71	54.00	-1.29	5.83	3	V	121	1.80	-
PK	5.142G	61.30	74.00	-12.70	5.43	3	V	121	1.80	-
PK	5.304G	126.61	Inf	-Inf	5.75	3	V	121	1.80	-
PK	5.350005G	66.85	74.00	-7.15	5.83	3	V	121	1.80	-
PK	5.464G	62.90	68.20	-5.30	6.07	3	V	121	1.80	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5300MHz_TX

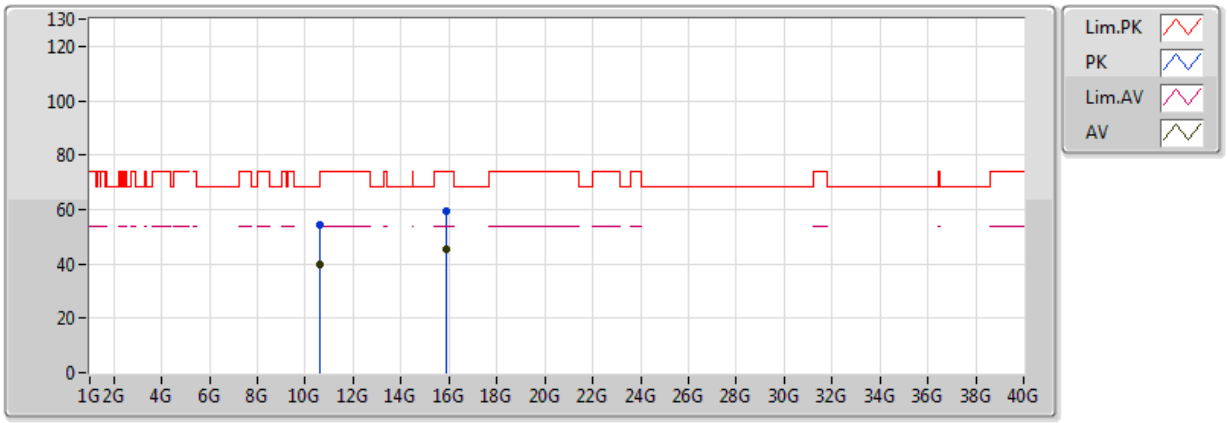


20170417
EUT Z 8TX Non-TXBF
Setting 22/22
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60012G	42.99	54.00	-11.01	14.05	3	V	183	1.28	-
AV	15.90218G	46.00	54.00	-8.00	15.53	3	V	297	1.50	-
PK	10.60001G	56.08	74.00	-17.92	14.05	3	V	183	1.28	-
PK	15.90146G	59.97	74.00	-14.03	15.53	3	V	297	1.50	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5300MHz_TX

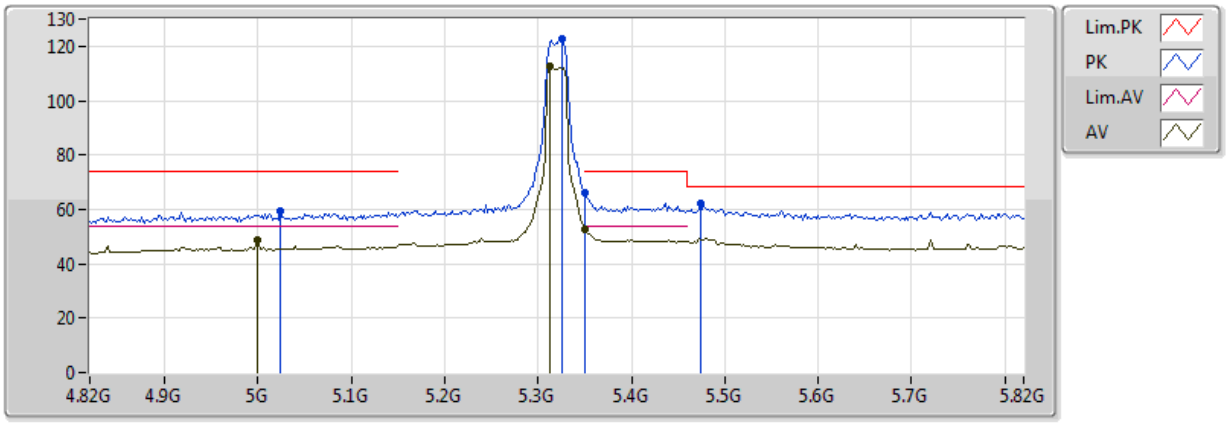


20170417
EUT Z 8TX Non-TXBF
Setting 22/22
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60019G	40.02	54.00	-13.98	12.54	3	H	147	1.42	-
AV	15.90048G	45.48	54.00	-8.52	15.13	3	H	225	1.15	-
PK	10.600116G	54.23	74.00	-19.77	12.54	3	H	147	1.42	-
PK	15.90298G	59.29	74.00	-14.71	15.13	3	H	225	1.15	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5320MHz_TX

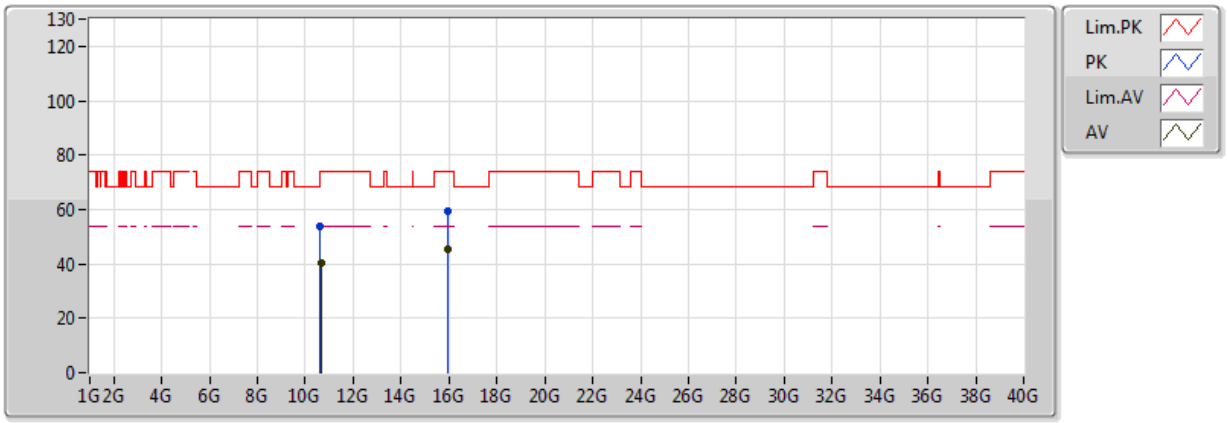


20170415
EUT Z 8TX Non-TXBF
Setting 18/17
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5G	48.61	54.00	-5.39	5.09	3	V	121	1.80	-
AV	5.312G	112.46	Inf	-Inf	5.76	3	V	121	1.80	-
AV	5.350005G	52.88	54.00	-1.12	5.83	3	V	121	1.80	-
PK	5.024G	59.25	74.00	-14.75	5.15	3	V	121	1.80	-
PK	5.326G	122.94	Inf	-Inf	5.78	3	V	121	1.80	-
PK	5.350005G	66.13	74.00	-7.87	5.83	3	V	121	1.80	-
PK	5.474G	61.98	68.20	-6.22	6.09	3	V	121	1.80	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5320MHz_TX

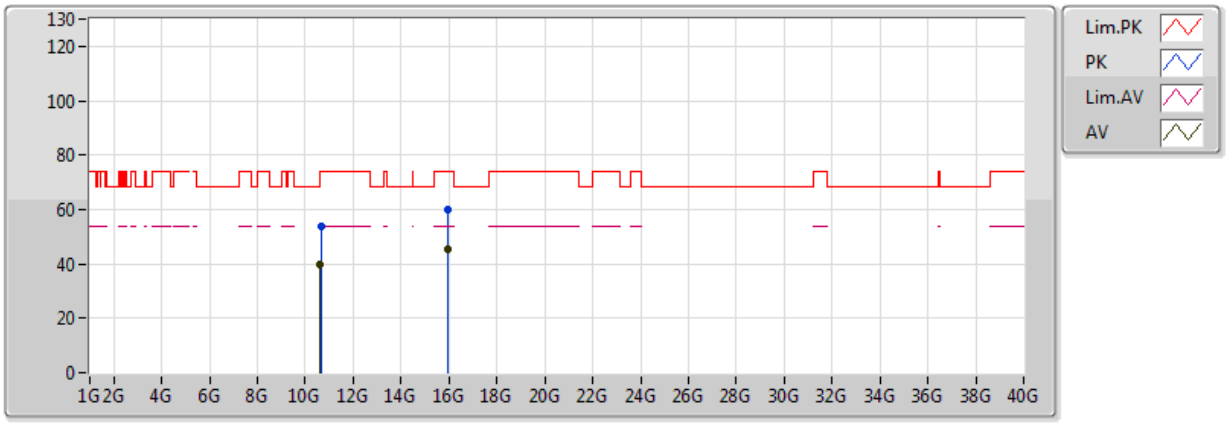


20170417
EUT Z 8TX Non-TXBF
Setting 18/17
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63992G	40.14	54.00	-13.86	12.58	3	V	230	1.79	-
AV	15.96354G	45.42	54.00	-8.58	14.93	3	V	179	1.69	-
PK	10.63724G	53.72	74.00	-20.28	12.58	3	V	230	1.79	-
PK	15.95858G	59.64	74.00	-14.36	14.94	3	V	179	1.69	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5320MHz_TX

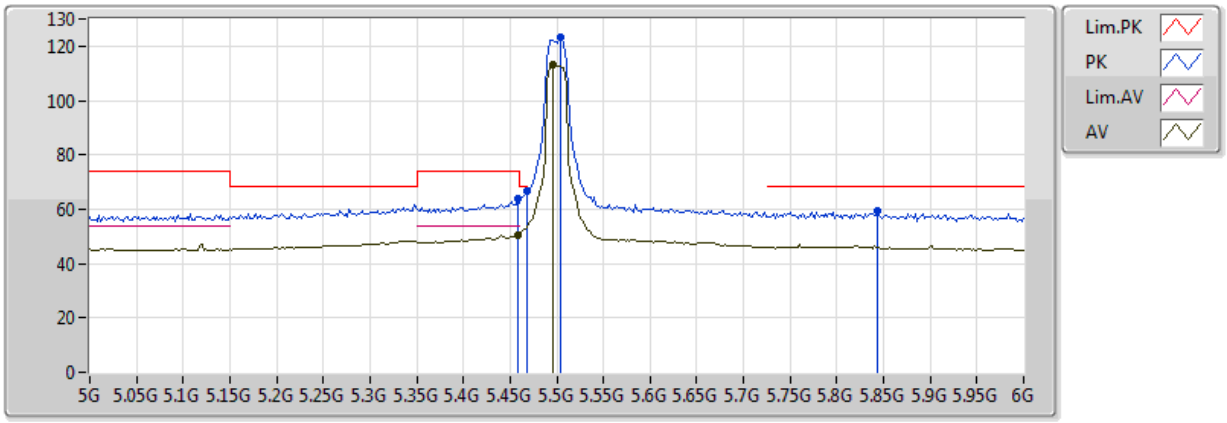


20170417
EUT Z 8TX Non-TXBF
Setting 18/17
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63712G	39.97	54.00	-14.03	12.58	3	H	324	1.34	-
AV	15.9582G	45.35	54.00	-8.65	14.95	3	H	299	1.26	-
PK	10.64438G	53.80	74.00	-20.20	12.59	3	H	324	1.34	-
PK	15.9601G	59.92	74.00	-14.08	14.94	3	H	299	1.26	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5500MHz_TX

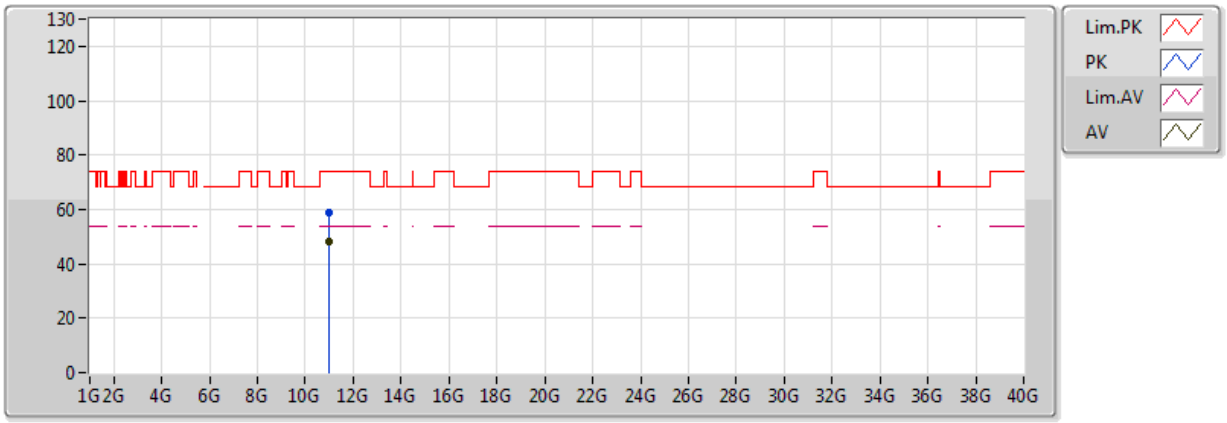


20170415
EUT Z 8TX Non-TXBF
Setting 18/18
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	50.59	54.00	-3.41	6.05	3	V	156	2.10	-
AV	5.496G	113.04	Inf	-Inf	6.15	3	V	156	2.10	-
PK	5.458G	63.84	74.00	-10.16	6.05	3	V	156	2.10	-
PK	5.468G	66.89	68.20	-1.31	6.08	3	V	156	2.10	-
PK	5.504G	123.01	Inf	-Inf	6.16	3	V	156	2.10	-
PK	5.844G	59.25	68.20	-8.95	6.23	3	V	156	2.10	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5500MHz_TX

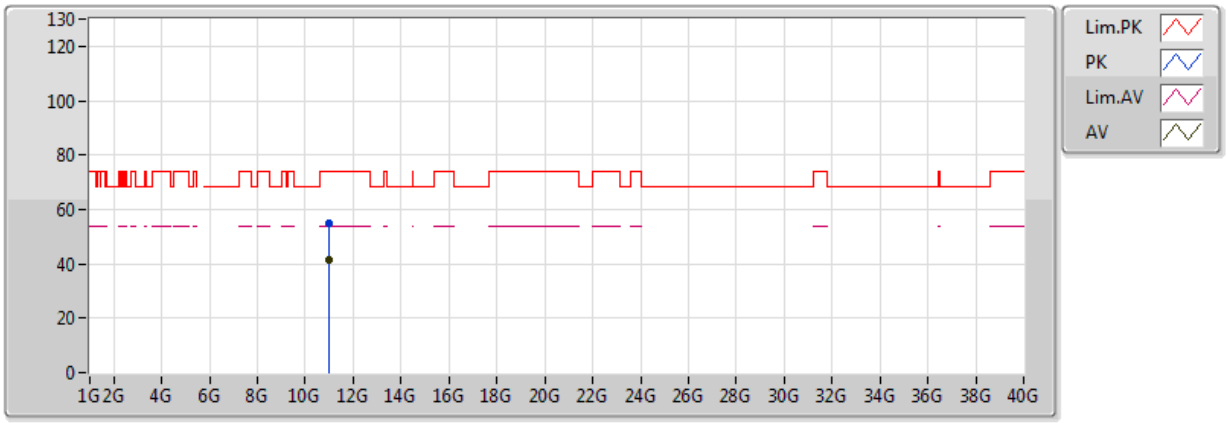


20170417
EUT Z 8TX Non-TXBF
Setting 18/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.99992G	48.29	54.00	-5.71	14.63	3	V	130	1.06	-
PK	11.0001G	58.75	74.00	-15.25	14.63	3	V	130	1.06	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5500MHz_TX

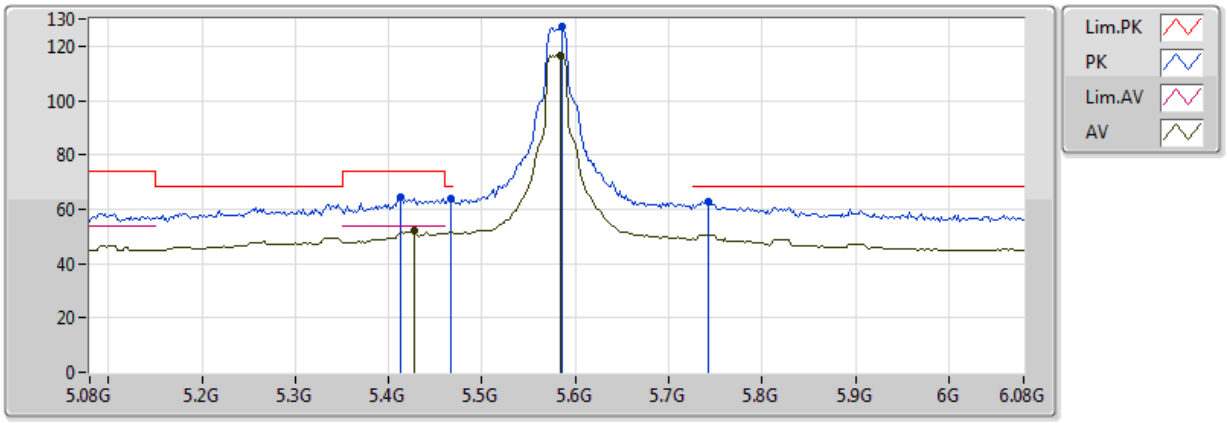


20170417
EUT Z 8TX Non-TXBF
Setting 18/18
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00346G	41.29	54.00	-12.71	12.92	3	H	310	1.84	-
PK	11.0015G	55.17	74.00	-18.83	12.92	3	H	310	1.84	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5580MHz_TX

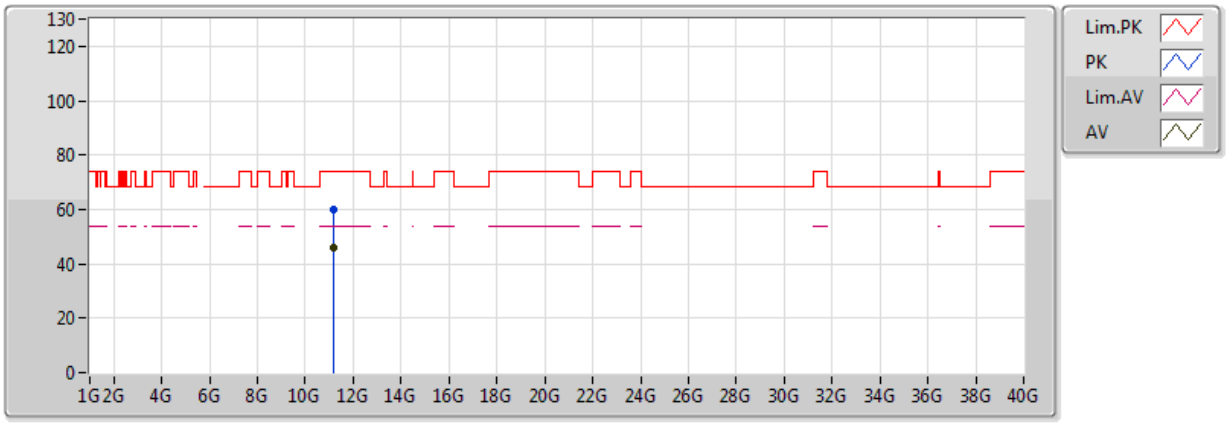


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.428G	52.04	54.00	-1.96	5.98	3	V	263	1.86	-
AV	5.584G	116.79	Inf	-Inf	6.23	3	V	263	1.86	-
PK	5.412G	64.23	74.00	-9.77	5.94	3	V	263	1.86	-
PK	5.466G	63.93	68.20	-4.27	6.08	3	V	263	1.86	-
PK	5.586G	127.30	Inf	-Inf	6.23	3	V	263	1.86	-
PK	5.742G	62.93	68.20	-5.27	6.25	3	V	263	1.86	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5580MHz_TX

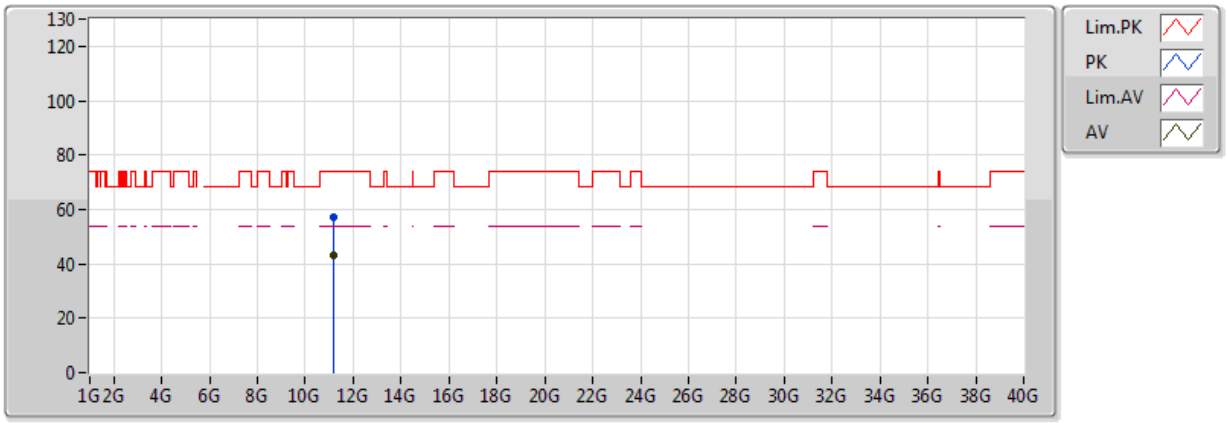


20170417
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16002G	45.98	54.00	-8.02	14.67	3	V	113	1.50	-
PK	11.1611G	59.74	74.00	-14.26	14.67	3	V	113	1.50	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5580MHz_TX

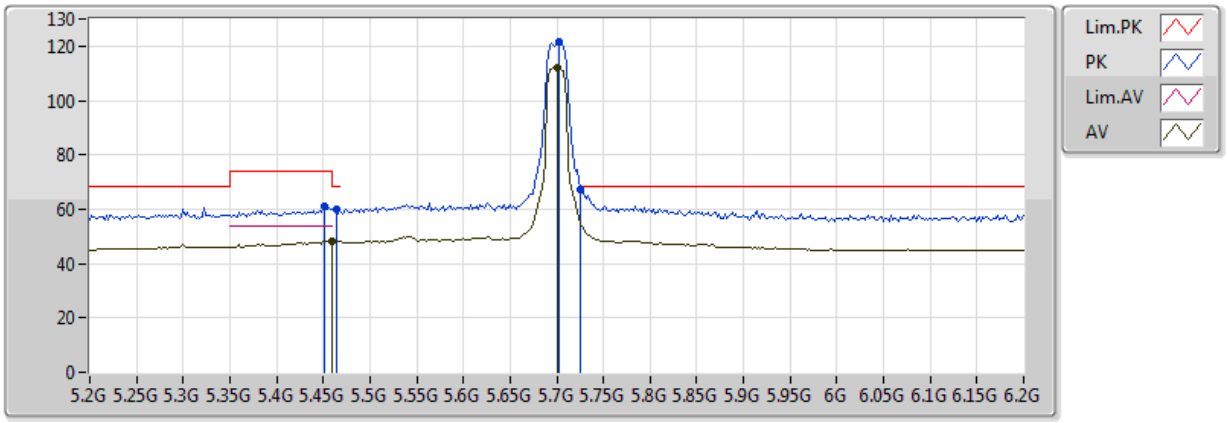


20170417
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
04-J-6
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15556G	42.89	54.00	-11.11	14.67	3	H	33	1.50	-
PK	11.16332G	57.05	74.00	-16.95	14.67	3	H	33	1.50	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5700MHz_TX

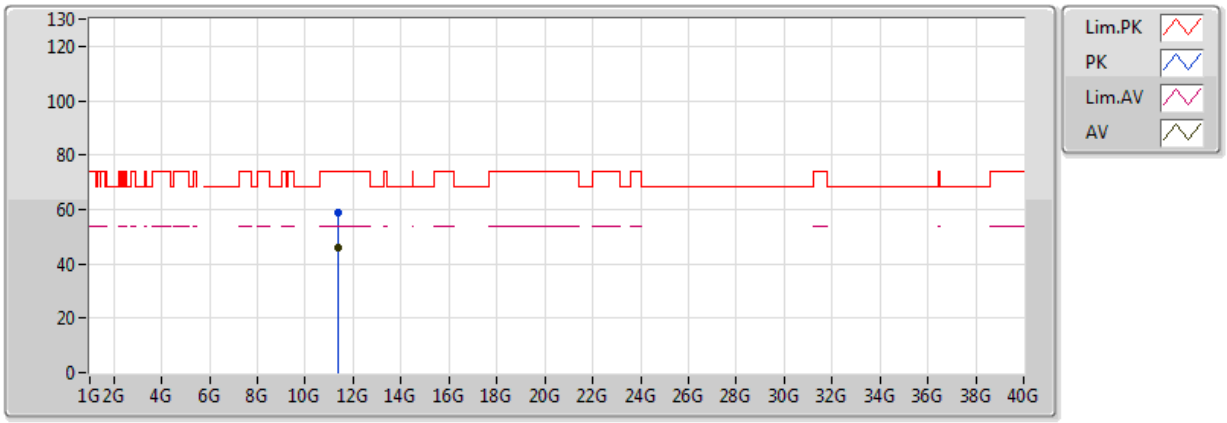


20170415
EUT Z 8TX Non-TXBF
Setting 19/18
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	48.34	54.00	-5.66	6.06	3	V	60	2.09	-
AV	5.7G	111.92	Inf	-Inf	6.25	3	V	60	2.09	-
PK	5.452G	61.21	74.00	-12.79	6.04	3	V	60	2.09	-
PK	5.464G	60.15	68.20	-8.05	6.07	3	V	60	2.09	-
PK	5.702G	121.52	Inf	-Inf	6.25	3	V	60	2.09	-
PK	5.726G	67.10	68.20	-1.10	6.25	3	V	60	2.09	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5700MHz_TX

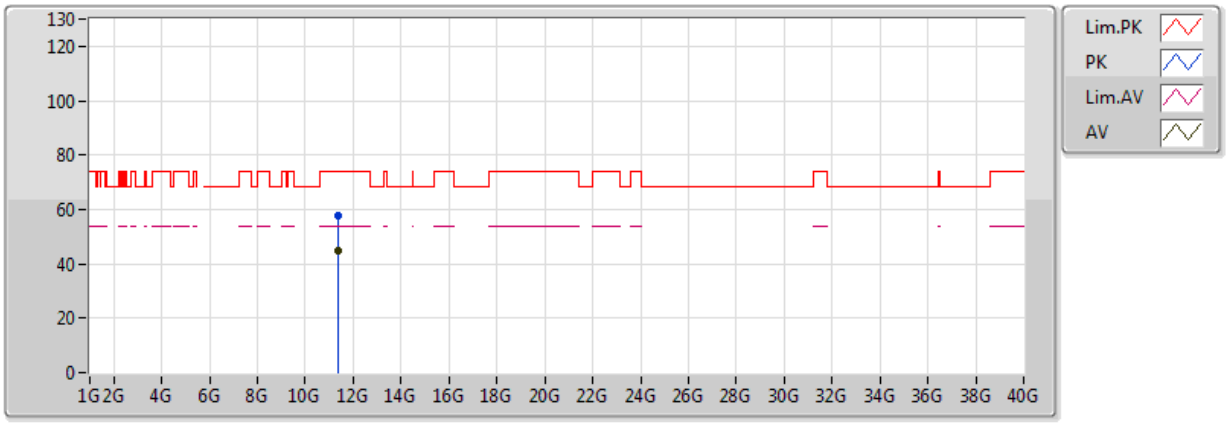


20170417
EUT Z 8TX Non-TXBF
Setting 19/18
04-P-2
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39996G	45.83	54.00	-8.17	14.73	3	V	20	2.88	-
PK	11.40032G	58.68	74.00	-15.32	14.73	3	V	20	2.88	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5700MHz_TX

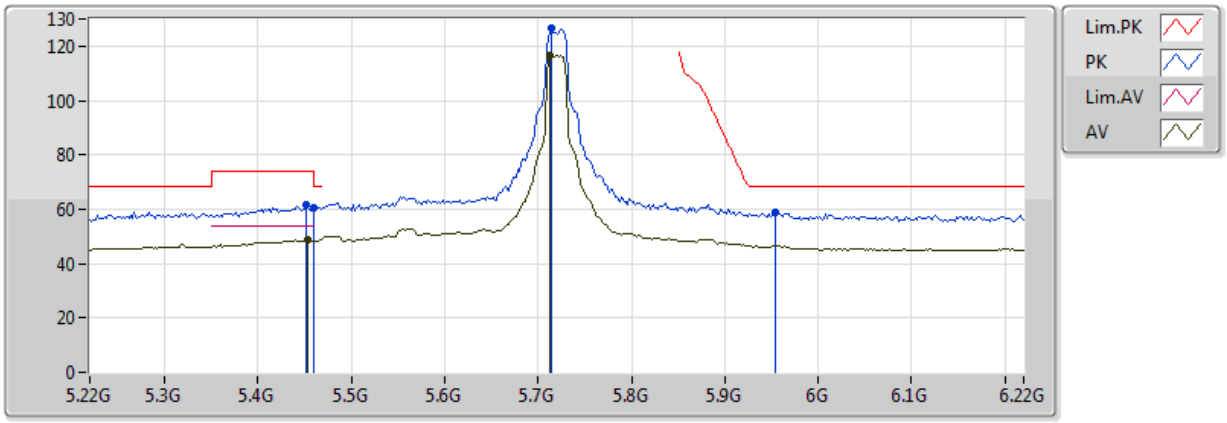


20170417
EUT Z 8TX Non-TXBF
Setting 19/18
04-P-2
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39997G	44.74	54.00	-9.26	14.73	3	H	190	1.05	-
PK	11.39942G	57.70	74.00	-16.30	14.73	3	H	190	1.05	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

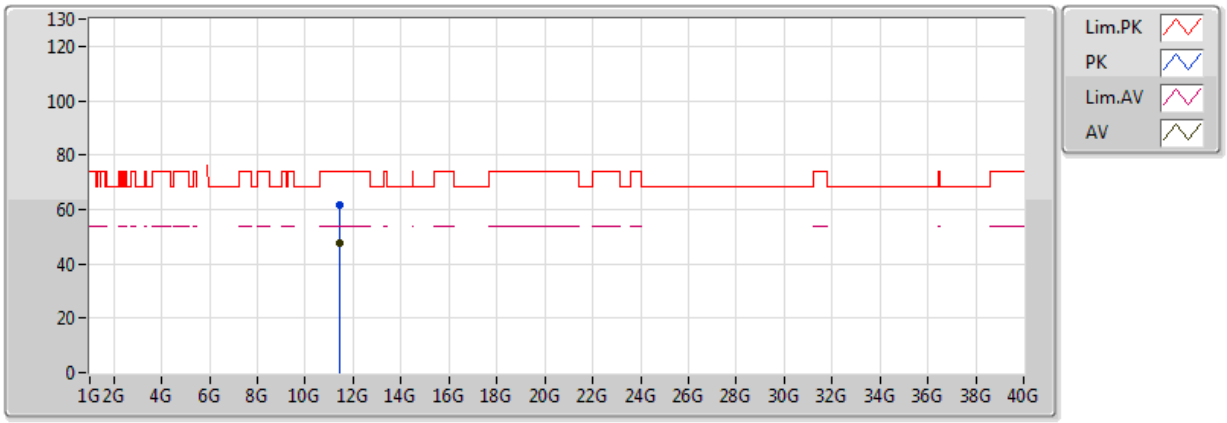


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.454G	48.71	54.00	-5.29	6.05	3	V	61	1.88	-
AV	5.712G	116.80	Inf	-Inf	6.25	3	V	61	1.88	-
PK	5.452G	61.61	74.00	-12.39	6.04	3	V	61	1.88	-
PK	5.460005G	60.46	68.20	-7.74	6.06	3	V	61	1.88	-
PK	5.714G	126.74	Inf	-Inf	6.25	3	V	61	1.88	-
PK	5.954G	59.04	68.20	-9.16	6.17	3	V	61	1.88	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

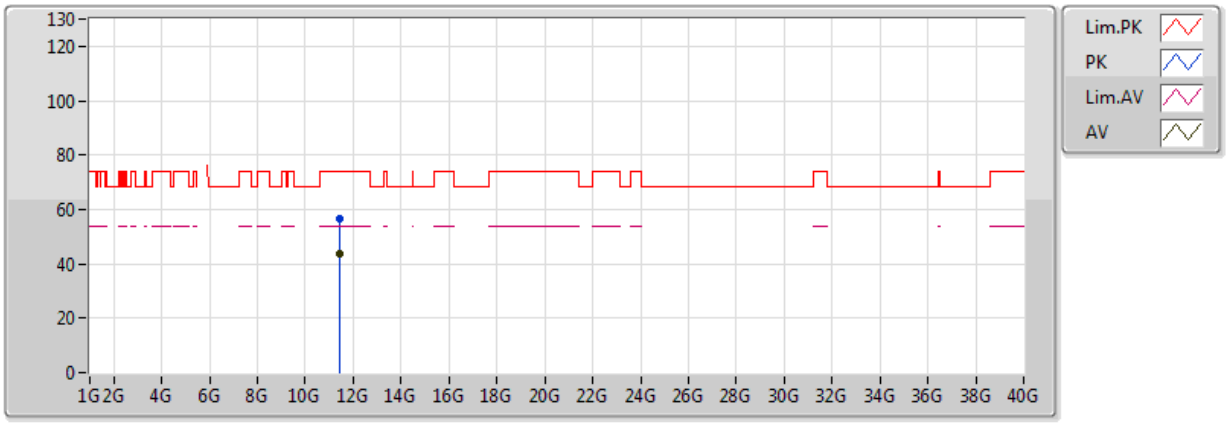


20170417
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
04-P-2
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.44009G	47.65	54.00	-6.35	13.37	3	V	22	1.65	-
PK	11.44104G	61.84	74.00	-12.16	13.37	3	V	22	1.65	-

802.11ac VHT20_Nss2,(MCS0)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

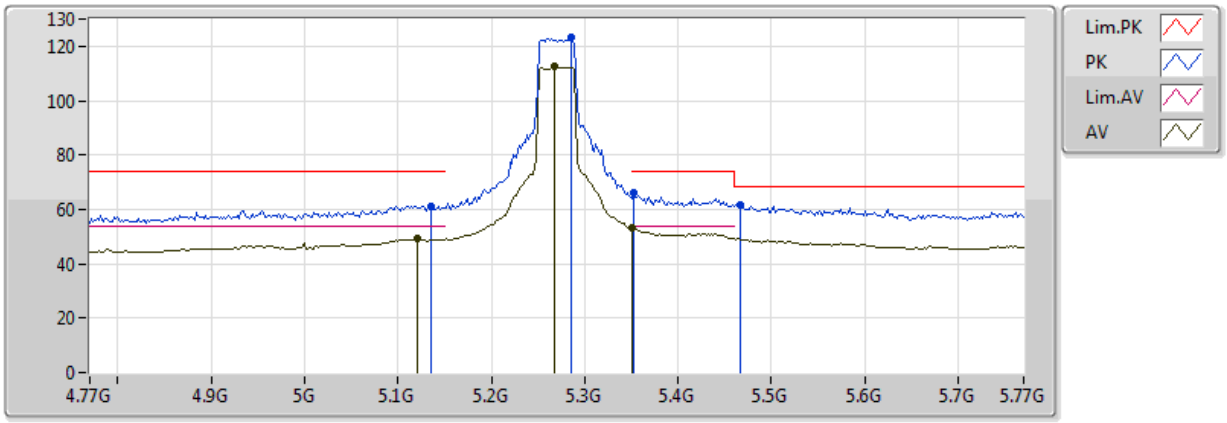


20170417
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
04-P-2
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.43981G	43.54	54.00	-10.46	13.37	3	H	189	1.14	-
PK	11.44001G	56.85	74.00	-17.15	13.37	3	H	189	1.14	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5270MHz_TX

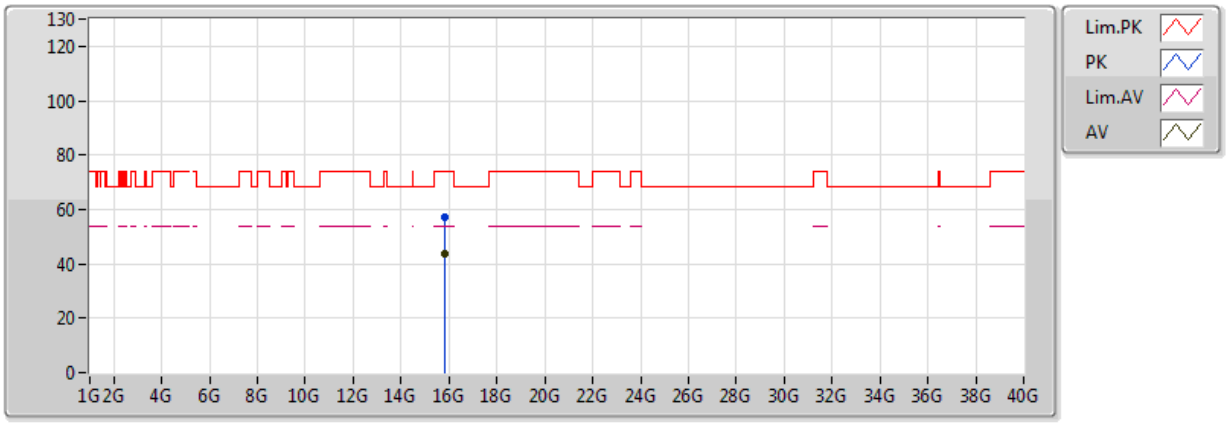


20170415
EUT Z 8TX Non-TXBF
Setting 20/19
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.12G	49.26	54.00	-4.74	5.38	3	V	187	2.17	-
AV	5.268G	112.44	Inf	-Inf	5.68	3	V	187	2.17	-
AV	5.350005G	52.98	54.00	-1.02	5.83	3	V	187	2.17	-
PK	5.136G	61.24	74.00	-12.76	5.42	3	V	187	2.17	-
PK	5.286G	123.15	Inf	-Inf	5.71	3	V	187	2.17	-
PK	5.352G	66.18	74.00	-7.82	5.83	3	V	187	2.17	-
PK	5.466G	61.84	68.20	-6.36	6.08	3	V	187	2.17	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5270MHz_TX

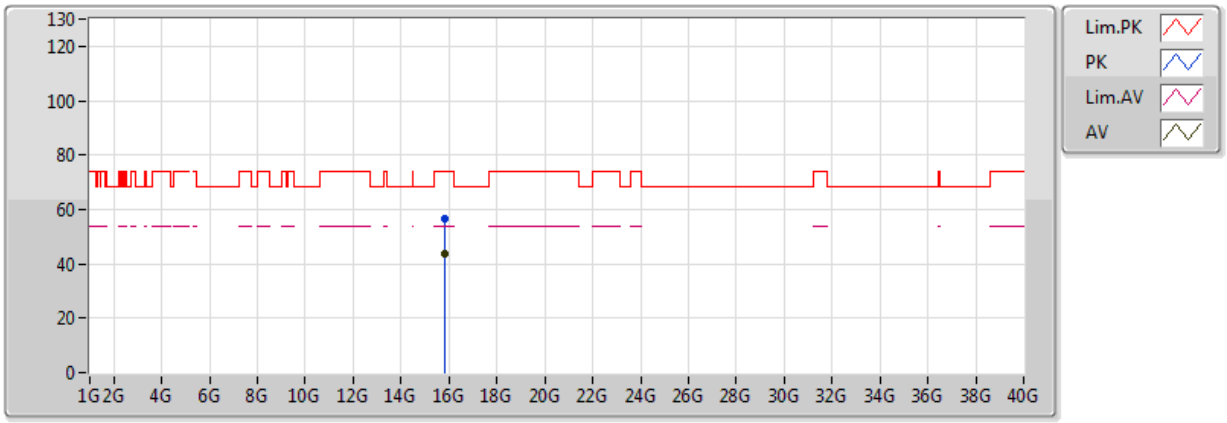


20170415
EUT Z 8TX Non-TXBF
Setting 20/19
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.810276G	43.60	54.00	-10.40	15.43	3	V	253	2.03	-
PK	15.810012G	57.26	74.00	-16.74	15.43	3	V	253	2.03	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5270MHz_TX

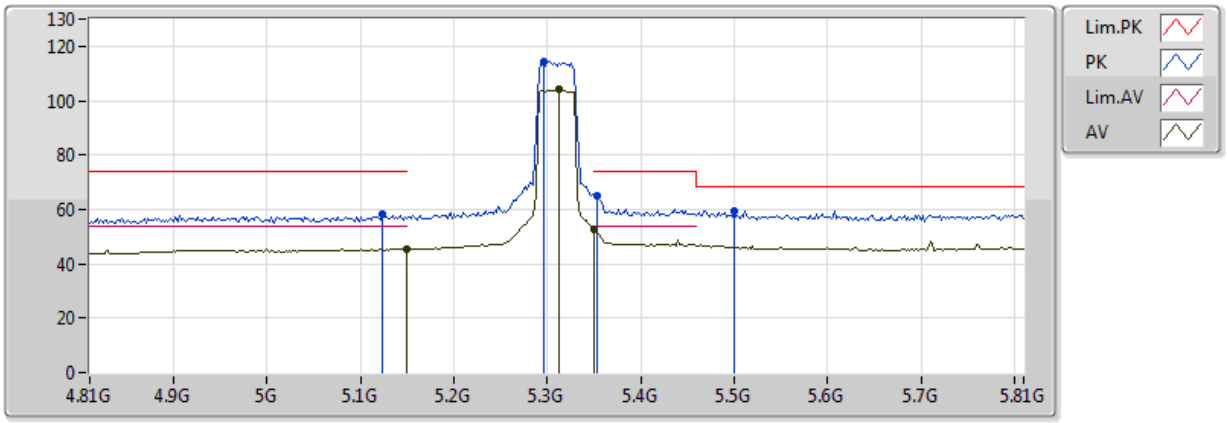


20170415
EUT Z 8TX Non-TXBF
Setting 20/19
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.810306G	43.56	54.00	-10.44	15.43	3	H	199	2.15	-
PK	15.809988G	56.85	74.00	-17.15	15.43	3	H	199	2.15	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5310MHz_TX

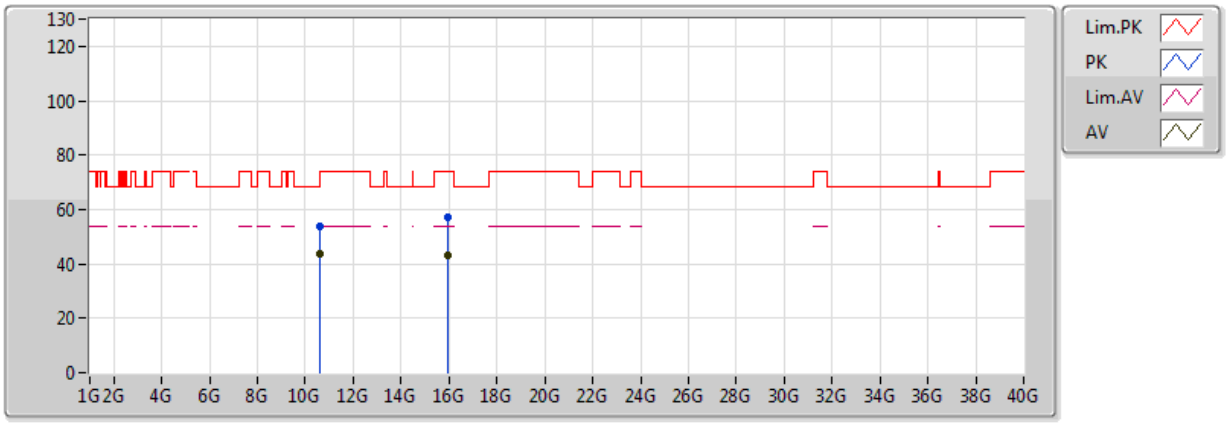


20170415
EUT Z 8TX Non-TXBF
Setting 12/12
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	45.37	54.00	-8.63	5.44	3	V	121	1.82	-
AV	5.312G	103.98	Inf	-Inf	5.76	3	V	121	1.82	-
AV	5.350005G	52.61	54.00	-1.39	5.83	3	V	121	1.82	-
PK	5.124G	58.06	74.00	-15.94	5.39	3	V	121	1.82	-
PK	5.296G	114.17	Inf	-Inf	5.73	3	V	121	1.82	-
PK	5.354G	64.94	74.00	-9.06	5.83	3	V	121	1.82	-
PK	5.5G	59.35	68.20	-8.85	6.16	3	V	121	1.82	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5310MHz_TX

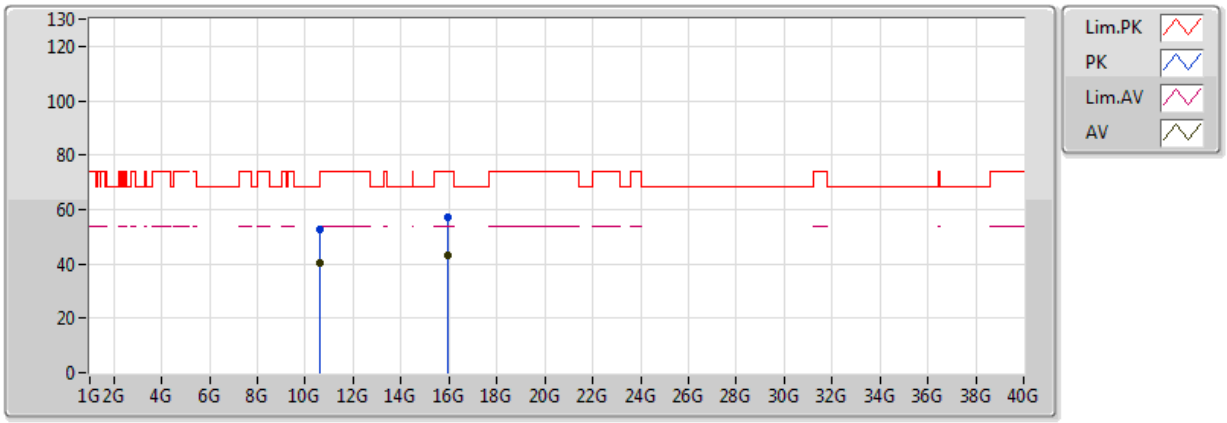


20170415
EUT Z 8TX Non-TXBF
Setting 12/12
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.61991G	43.68	54.00	-10.32	12.56	3	V	25	1.00	-
AV	15.929358G	43.33	54.00	-10.67	15.04	3	V	164	2.28	-
PK	10.619754G	53.63	74.00	-20.37	12.56	3	V	25	1.00	-
PK	15.929694G	57.27	74.00	-16.73	15.04	3	V	164	2.28	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5310MHz_TX

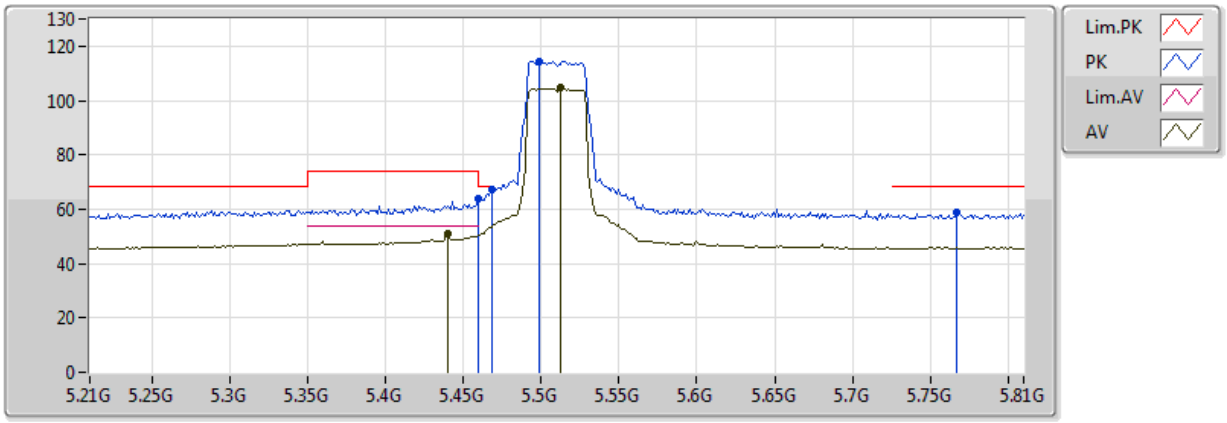


20170415
EUT Z 8TX Non-TXBF
Setting 12/12
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.619946G	40.59	54.00	-13.41	12.56	3	H	137	1.05	-
AV	15.929496G	43.42	54.00	-10.58	15.04	3	H	203	2.02	-
PK	10.619862G	52.66	74.00	-21.34	12.56	3	H	137	1.05	-
PK	15.929454G	57.26	74.00	-16.74	15.04	3	H	203	2.02	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5510MHz_TX

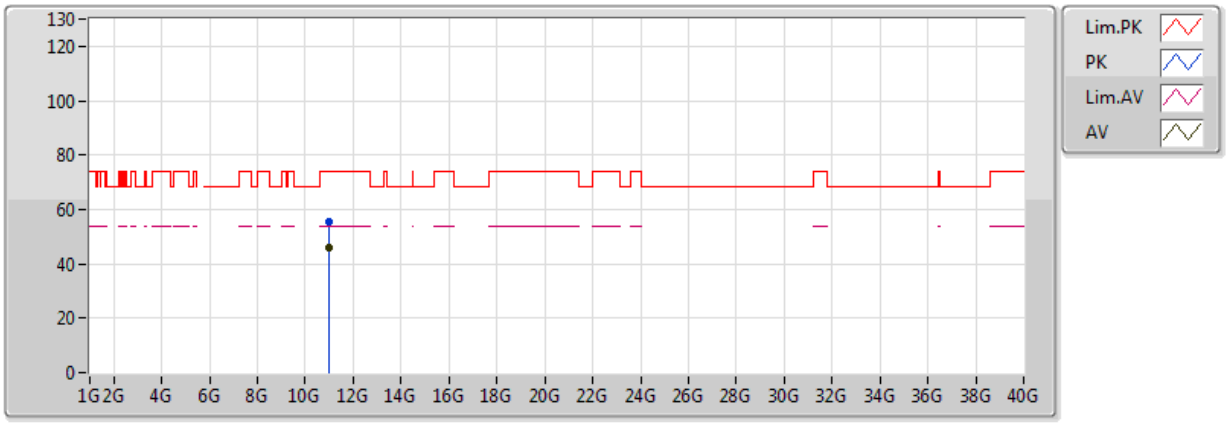


20170415
EUT Z 8TX Non-TXBF
Setting 14/14
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4404G	51.02	54.00	-2.98	6.01	3	V	155	1.83	-
AV	5.5124G	104.67	Inf	-Inf	6.17	3	V	155	1.83	-
PK	5.4596G	63.76	74.00	-10.24	6.06	3	V	155	1.83	-
PK	5.468G	67.18	68.20	-1.02	6.08	3	V	155	1.83	-
PK	5.4992G	114.36	Inf	-Inf	6.16	3	V	155	1.83	-
PK	5.7668G	58.77	68.20	-9.43	6.25	3	V	155	1.83	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5510MHz_TX

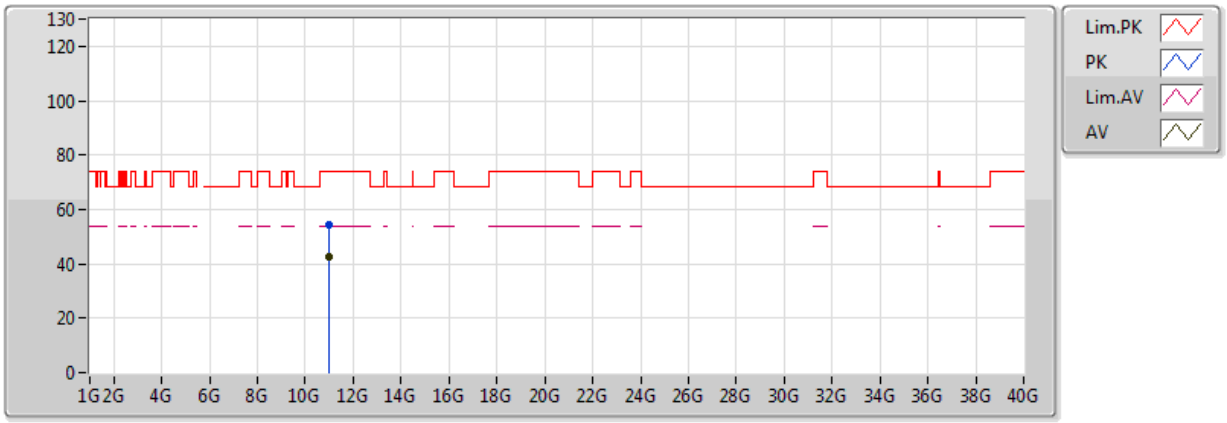


20170415
EUT Z 8TX Non-TXBF
Setting 14/14
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.019928G	46.16	54.00	-7.84	12.94	3	V	129	1.00	-
PK	11.020204G	55.24	74.00	-18.76	12.94	3	V	129	1.00	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5510MHz_TX

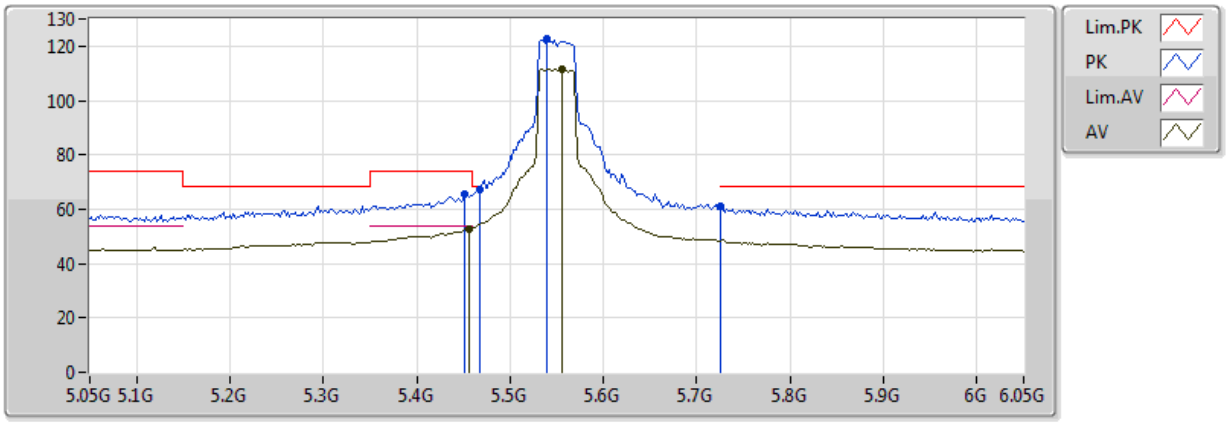


20170415
EUT Z 8TX Non-TXBF
Setting 14/14
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.019922G	42.56	54.00	-11.44	12.94	3	H	116	1.00	-
PK	11.019886G	54.51	74.00	-19.49	12.94	3	H	116	1.00	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5550MHz_TX

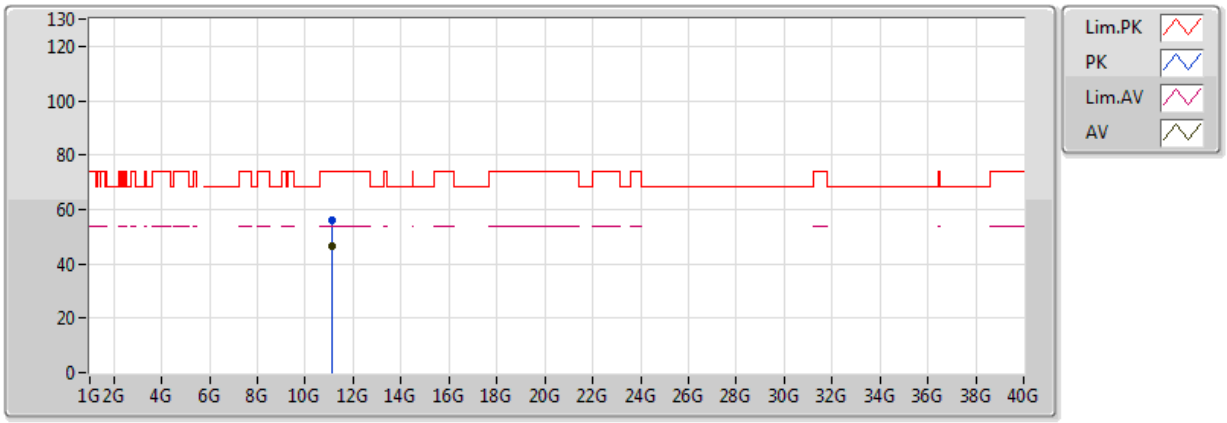


20170415
EUT Z 8TX Non-TXBF
Setting 21/21
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.456G	52.91	54.00	-1.09	6.05	3	V	264	1.88	-
AV	5.556G	111.66	Inf	-Inf	6.20	3	V	264	1.88	-
PK	5.452G	65.32	74.00	-8.68	6.04	3	V	264	1.88	-
PK	5.468G	67.18	68.20	-1.02	6.08	3	V	264	1.88	-
PK	5.54G	122.54	Inf	-Inf	6.19	3	V	264	1.88	-
PK	5.726G	60.83	68.20	-7.37	6.25	3	V	264	1.88	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5550MHz_TX

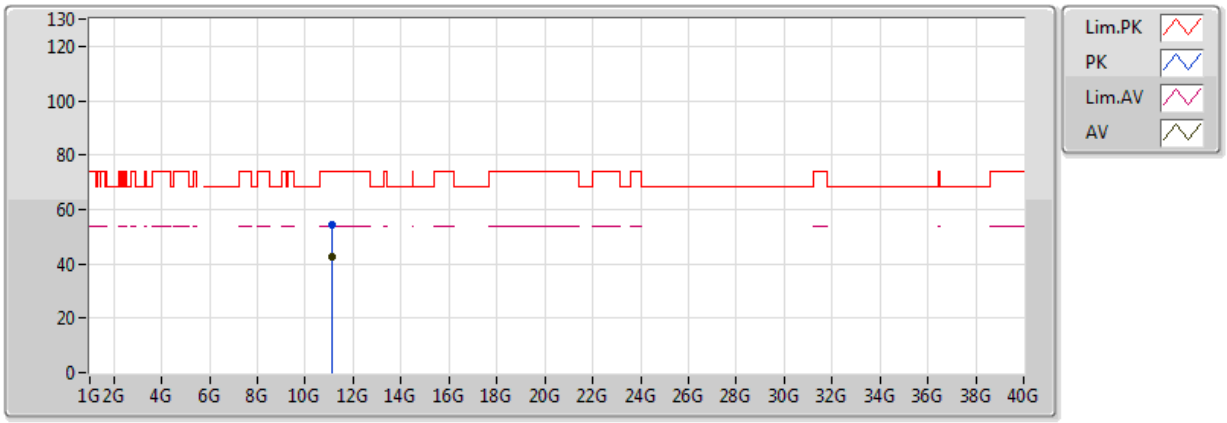


20170415
EUT Z 8TX Non-TXBF
Setting 21/21
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.09985G	46.46	54.00	-7.54	13.02	3	V	139	1.00	-
PK	11.09979G	56.05	74.00	-17.95	13.02	3	V	139	1.00	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5550MHz_TX

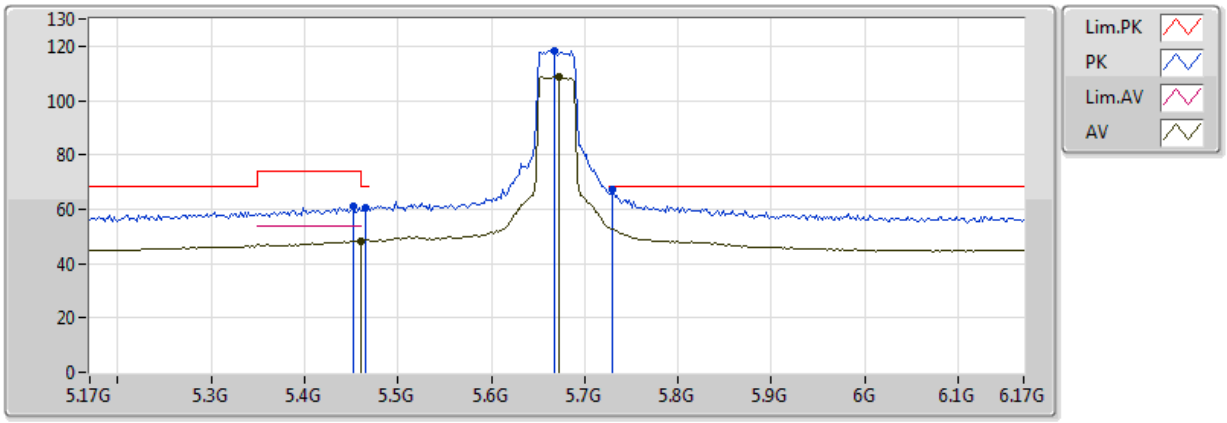


20170415
EUT Z 8TX Non-TXBF
Setting 21/21
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.099934G	42.59	54.00	-11.41	13.02	3	H	117	1.00	-
PK	11.09961G	54.44	74.00	-19.56	13.02	3	H	117	1.00	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5670MHz_TX

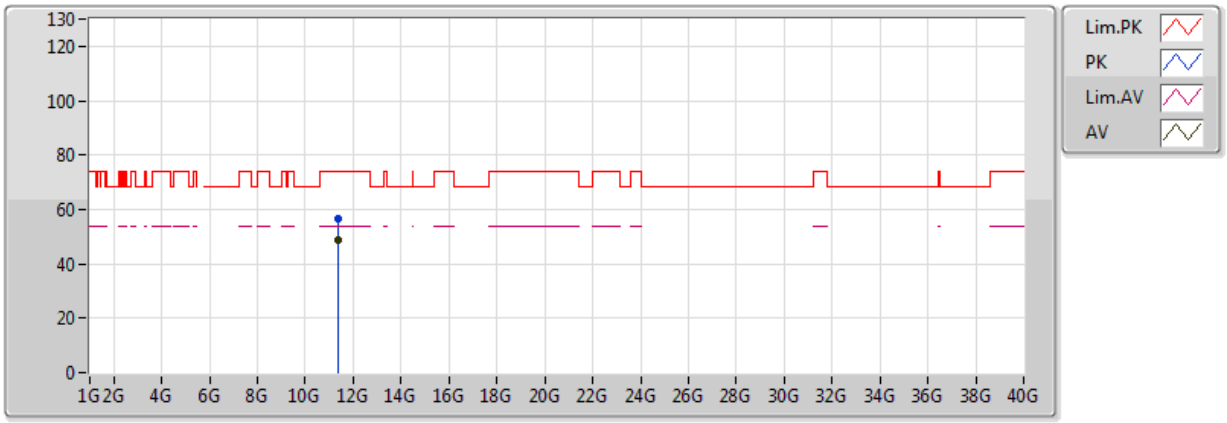


20170415
EUT Z 8TX Non-TXBF
Setting 18/18
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	48.20	54.00	-5.80	6.06	3	V	62	2.00	-
AV	5.672G	108.89	Inf	-Inf	6.25	3	V	62	2.00	-
PK	5.452G	60.82	74.00	-13.18	6.04	3	V	62	2.00	-
PK	5.466G	60.42	68.20	-7.78	6.08	3	V	62	2.00	-
PK	5.668G	118.43	Inf	-Inf	6.25	3	V	62	2.00	-
PK	5.73G	67.08	68.20	-1.12	6.25	3	V	62	2.00	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5670MHz_TX

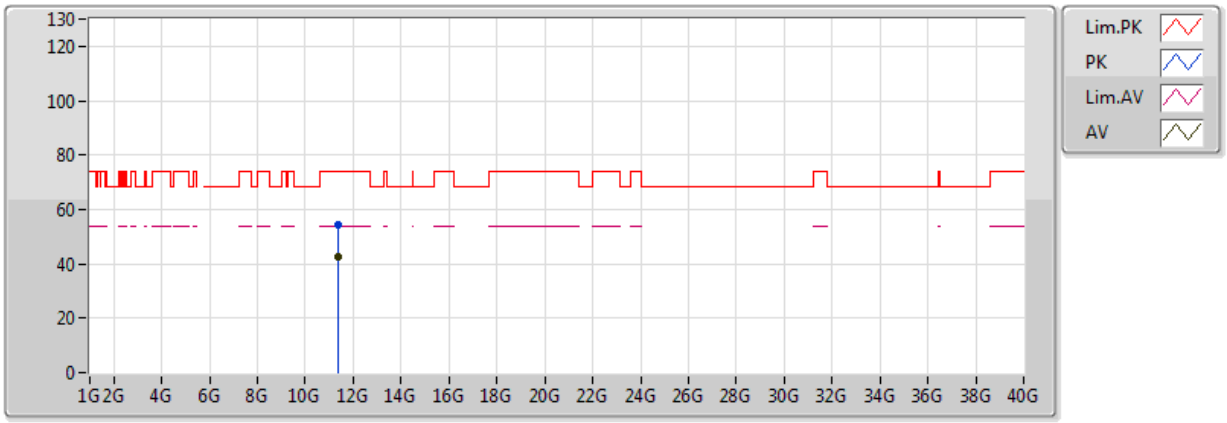


20170415
EUT Z 8TX Non-TXBF
Setting 18/18
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.33985G	48.63	54.00	-5.37	13.27	3	V	45	1.00	-
PK	11.33973G	56.48	74.00	-17.52	13.27	3	V	45	1.00	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5670MHz_TX

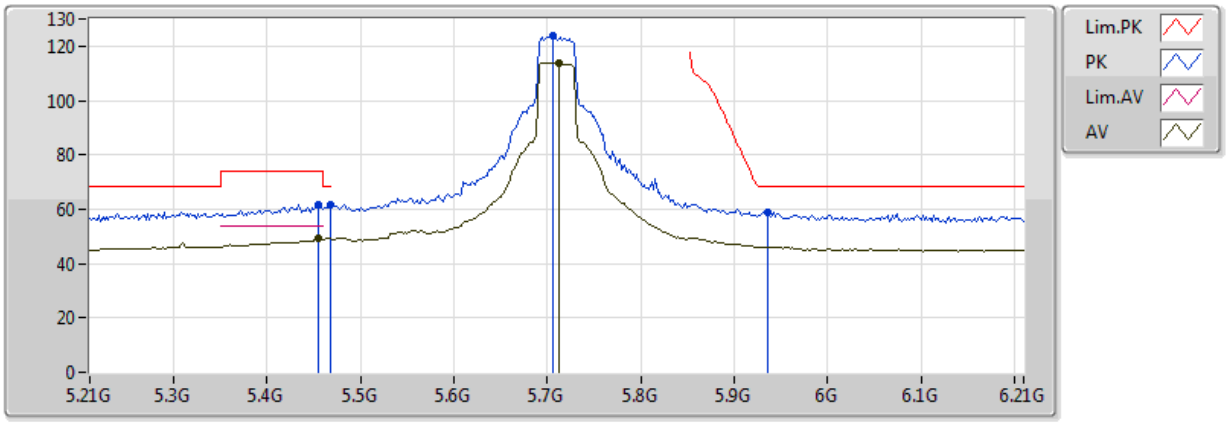


20170415
EUT Z 8TX Non-TXBF
Setting 18/18
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.339814G	42.70	54.00	-11.30	13.27	3	H	137	1.06	-
PK	11.340288G	54.55	74.00	-19.45	13.27	3	H	137	1.06	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5710MHz Straddle 5.47-5.725GHz_TX

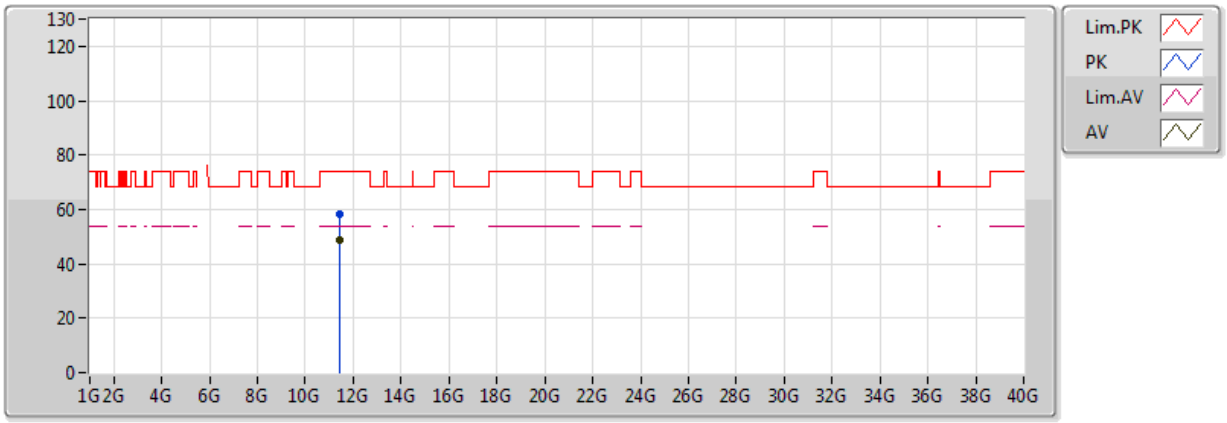


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.454G	49.33	54.00	-4.67	6.05	3	V	60	1.88	-
AV	5.712G	114.01	Inf	-Inf	6.25	3	V	60	1.88	-
PK	5.454G	61.65	74.00	-12.35	6.05	3	V	60	1.88	-
PK	5.468G	61.51	68.20	-6.69	6.08	3	V	60	1.88	-
PK	5.706G	123.69	Inf	-Inf	6.25	3	V	60	1.88	-
PK	5.936G	58.81	68.20	-9.39	6.18	3	V	60	1.88	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5710MHz Straddle 5.47-5.725GHz_TX

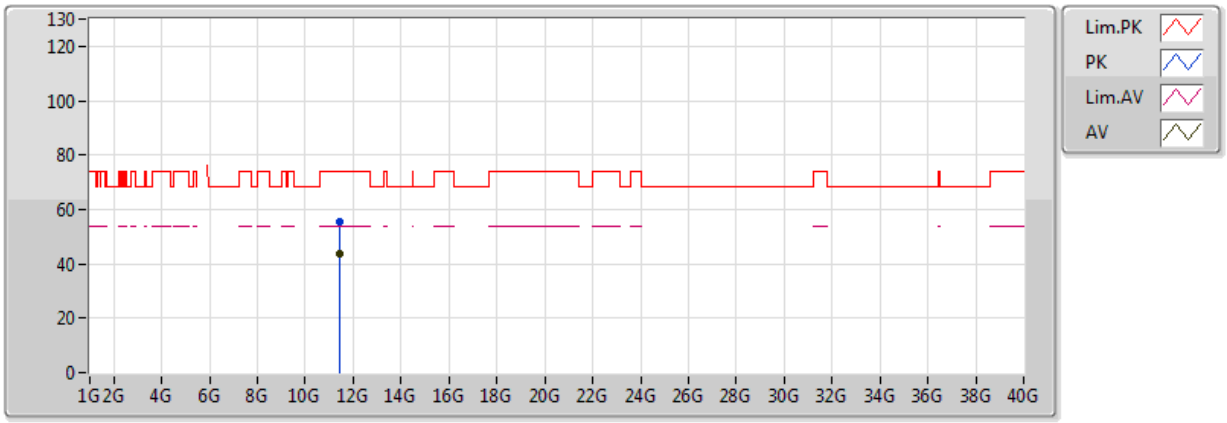


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.41982G	48.49	54.00	-5.51	13.35	3	V	42	1.00	-
PK	11.420036G	58.37	74.00	-15.63	13.35	3	V	42	1.00	-

802.11ac VHT40_Nss2,(MCS0)_8TX

5710MHz Straddle 5.47-5.725GHz_TX

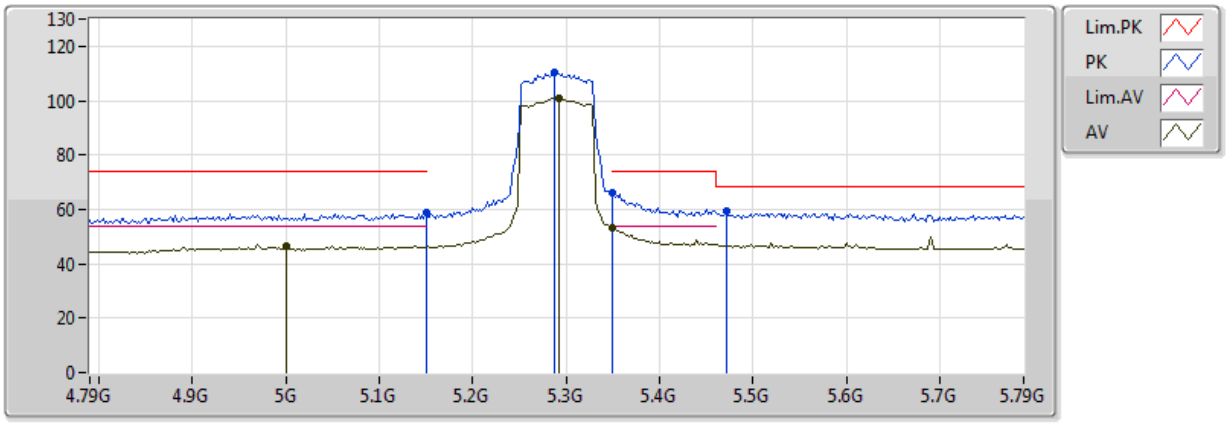


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.419964G	43.48	54.00	-10.52	13.35	3	H	137	1.03	-
PK	11.419868G	55.43	74.00	-18.57	13.35	3	H	137	1.03	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5290MHz_TX

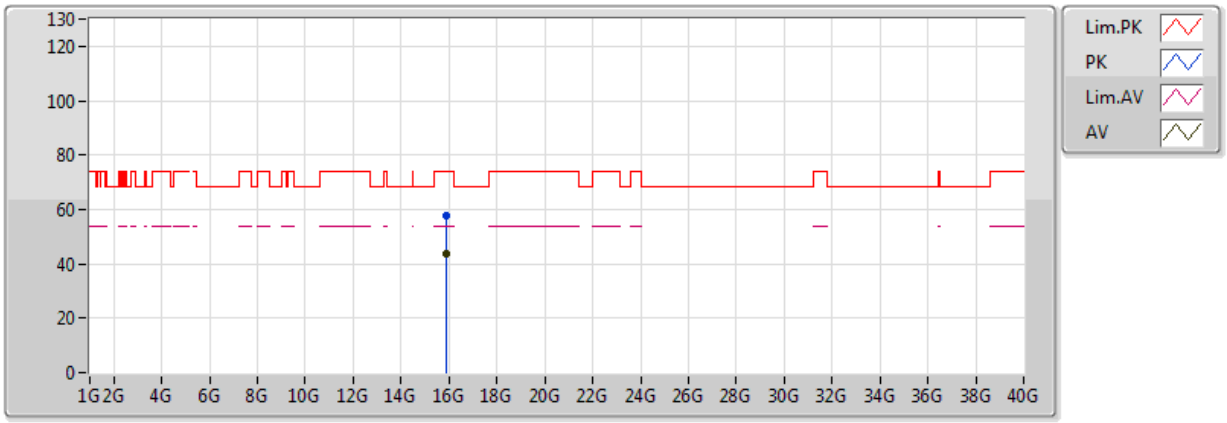


20170415
EUT Z 8TX Non-TXBF
Setting 12/11
03-W-3-10
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5G	46.66	54.00	-7.34	5.09	3	V	182	2.08	-
AV	5.292G	100.75	Inf	-Inf	5.72	3	V	182	2.08	-
AV	5.350005G	52.99	54.00	-1.01	5.83	3	V	182	2.08	-
PK	5.149995G	58.66	74.00	-15.34	5.44	3	V	182	2.08	-
PK	5.288G	110.33	Inf	-Inf	5.72	3	V	182	2.08	-
PK	5.350005G	66.05	74.00	-7.95	5.83	3	V	182	2.08	-
PK	5.472G	59.43	68.20	-8.77	6.09	3	V	182	2.08	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5290MHz_TX

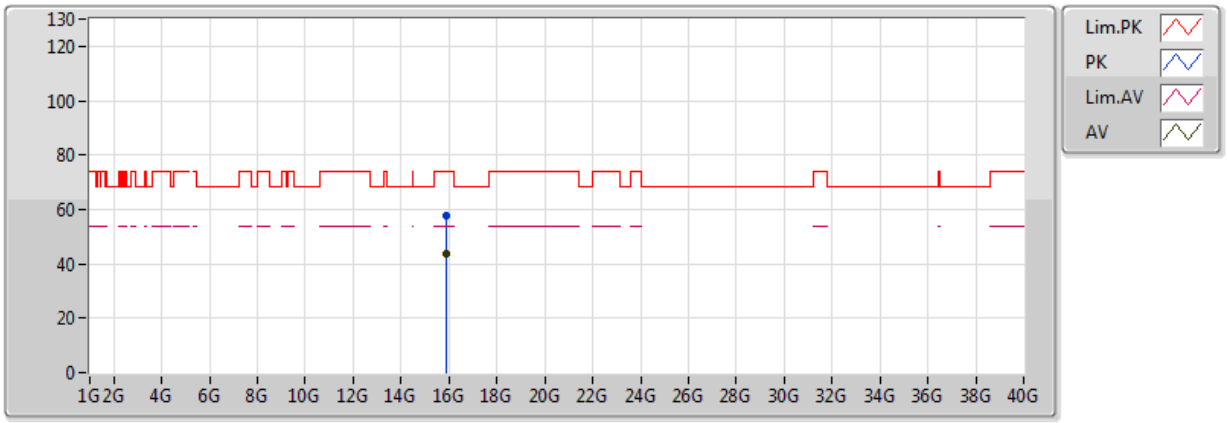


20170415
EUT Z 8TX Non-TXBF
Setting 12/11
03-W-3
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.868524G	43.90	54.00	-10.10	15.24	3	V	98	1.53	-
PK	15.87096G	57.44	74.00	-16.56	15.23	3	V	98	1.53	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5290MHz_TX

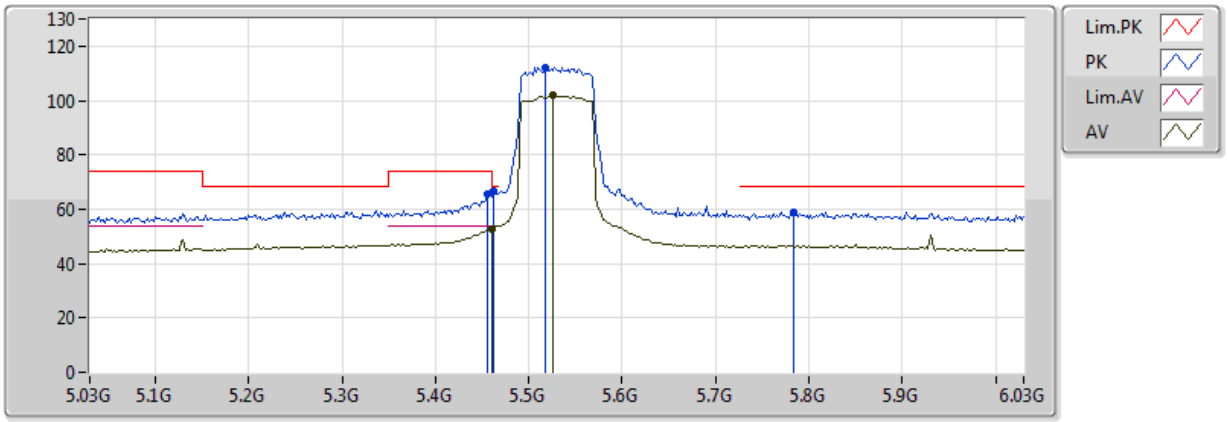


20170415
EUT Z 8TX Non-TXBF
Setting 12/11
03-W-3
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.871464G	43.86	54.00	-10.14	15.23	3	H	289	1.76	-
PK	15.871182G	57.50	74.00	-16.50	15.23	3	H	289	1.76	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5530MHz_TX

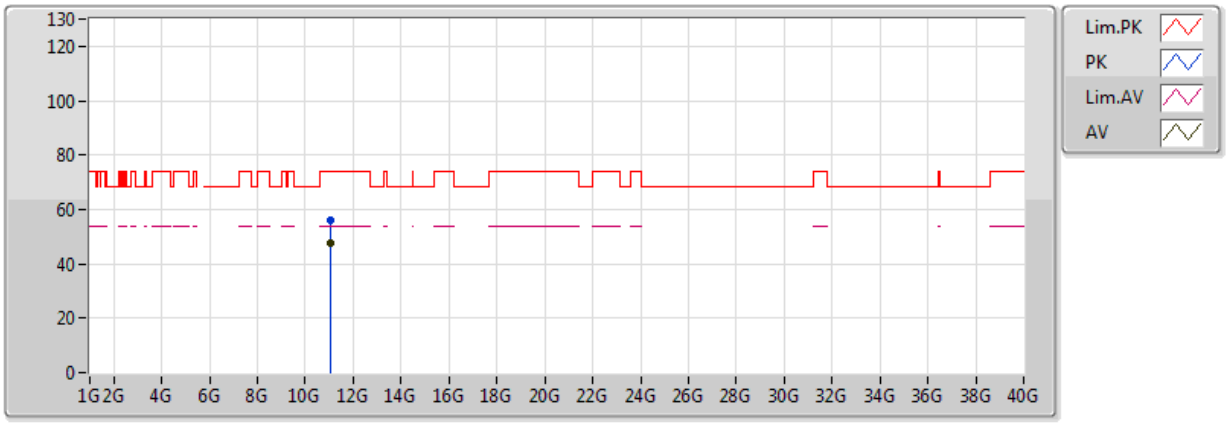


20170415
EUT Z 8TX Non-TXBF
Setting 12/13
03-W-3-10
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	52.66	54.00	-1.34	6.06	3	V	186	2.00	-
AV	5.526G	101.87	Inf	-Inf	6.18	3	V	186	2.00	-
PK	5.456G	65.36	74.00	-8.64	6.05	3	V	186	2.00	-
PK	5.462G	66.46	68.20	-1.74	6.06	3	V	186	2.00	-
PK	5.518G	112.29	Inf	-Inf	6.17	3	V	186	2.00	-
PK	5.784G	58.92	68.20	-9.28	6.25	3	V	186	2.00	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5530MHz_TX

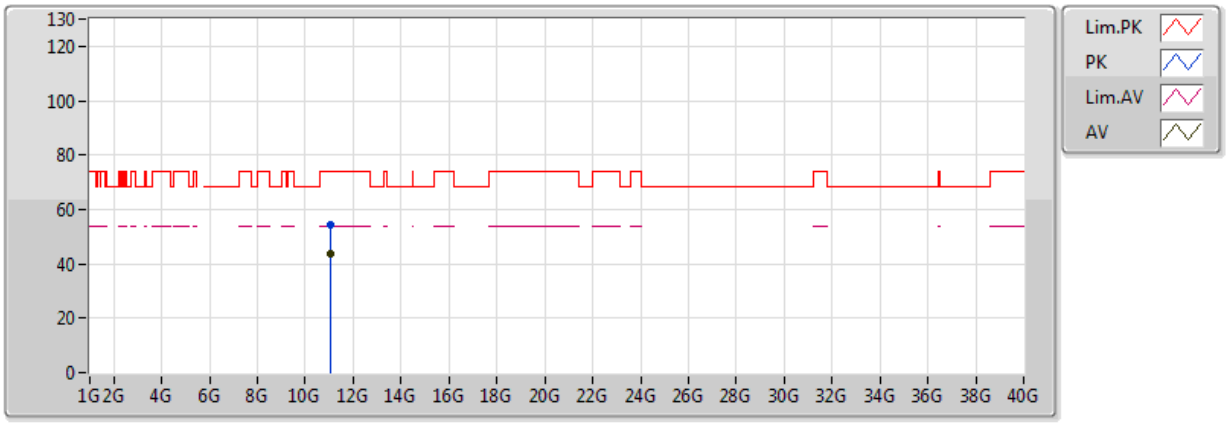


20170415
EUT Z 8TX Non-TXBF
Setting 12/13
03-W-3
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.059934G	47.40	54.00	-6.60	12.98	3	V	140	1.00	-
PK	11.059904G	55.83	74.00	-18.17	12.98	3	V	140	1.00	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5530MHz_TX

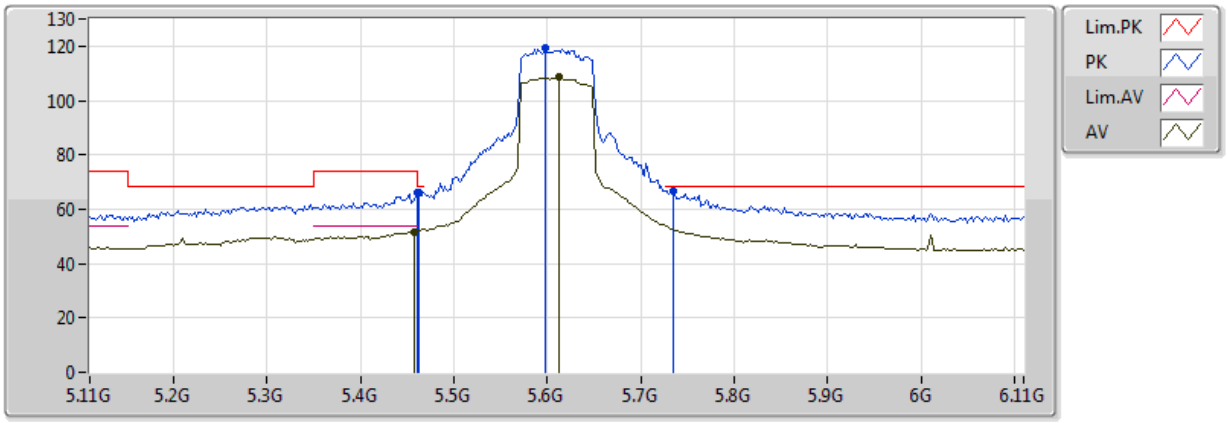


20170415
EUT Z 8TX Non-TXBF
Setting 12/13
03-W-3
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.059868G	43.62	54.00	-10.38	12.98	3	H	116	1.00	-
PK	11.060012G	54.40	74.00	-19.60	12.98	3	H	116	1.00	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5610MHz_TX

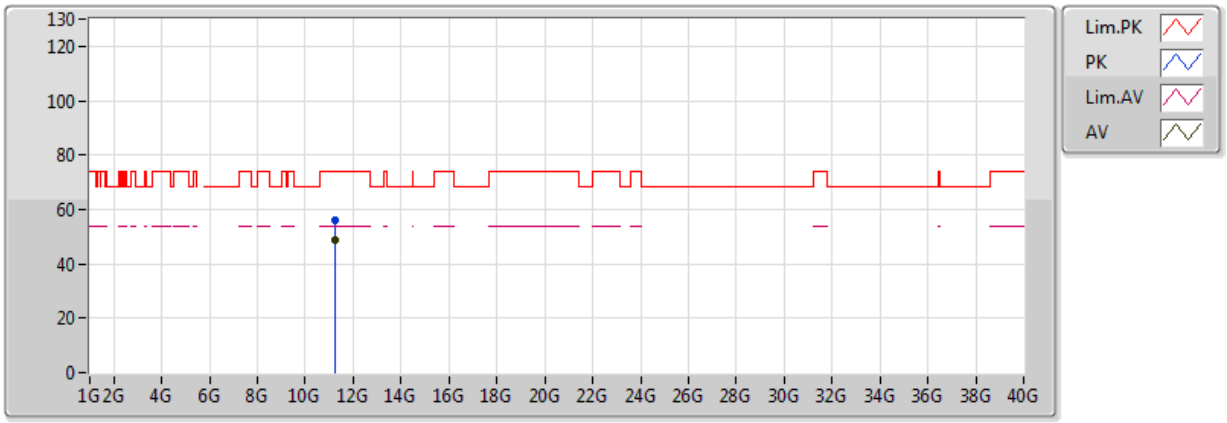


20170415
EUT Z 8TX Non-TXBF
Setting 20/19
03-W-3-10
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	51.74	54.00	-2.26	6.05	3	V	186	1.82	-
AV	5.612G	108.57	Inf	-Inf	6.24	3	V	186	1.82	-
PK	5.46G	66.19	74.00	-7.81	6.06	3	V	186	1.82	-
PK	5.462G	66.29	68.20	-1.91	6.06	3	V	186	1.82	-
PK	5.598G	119.12	Inf	-Inf	6.24	3	V	186	1.82	-
PK	5.734G	66.90	68.20	-1.30	6.25	3	V	186	1.82	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5610MHz_TX

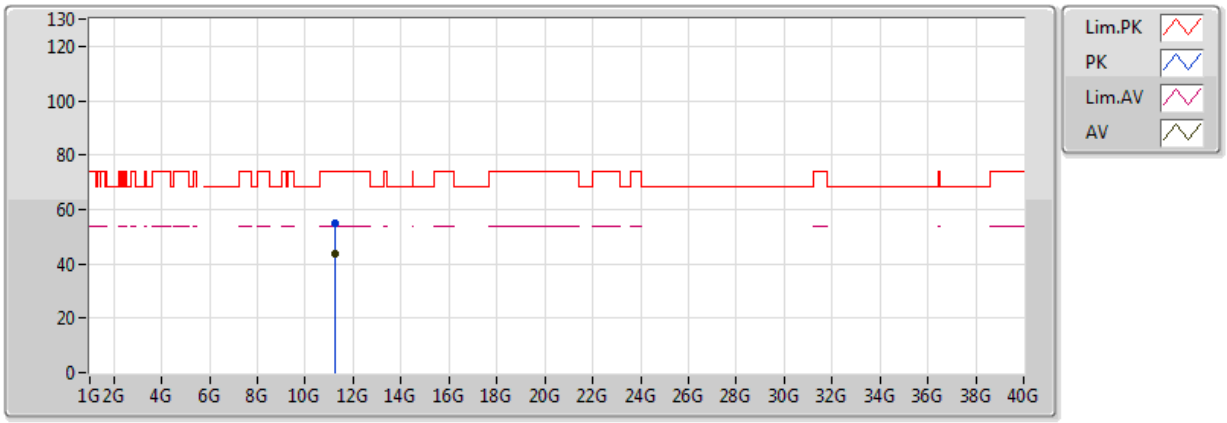


20170415
EUT Z 8TX Non-TXBF
Setting 20/19
03-W-3
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.21988G	48.60	54.00	-5.40	13.14	3	V	44	1.00	-
PK	11.219616G	56.29	74.00	-17.71	13.14	3	V	44	1.00	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5610MHz_TX

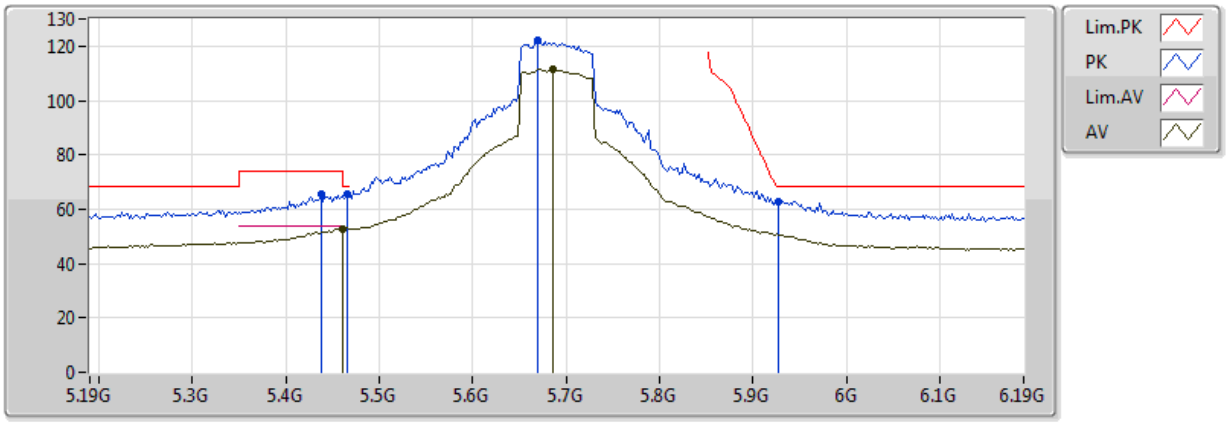


20170415
EUT Z 8TX Non-TXBF
Setting 20/19
03-W-3
Status 3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.21991G	43.81	54.00	-10.19	13.14	3	H	136	1.07	-
PK	11.219862G	54.73	74.00	-19.27	13.14	3	H	136	1.07	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5690MHz Straddle 5.47-5.725GHz_TX

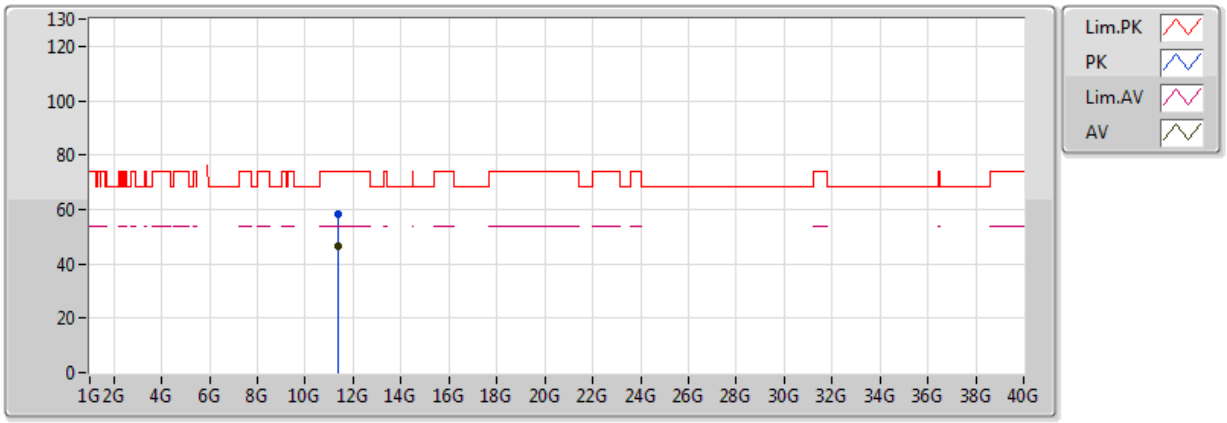


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3-10
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	52.73	54.00	-1.27	6.06	3	V	187	2.07	-
AV	5.686G	111.54	Inf	-Inf	6.25	3	V	187	2.07	-
PK	5.438G	65.49	74.00	-8.51	6.01	3	V	187	2.07	-
PK	5.466G	65.32	68.20	-2.88	6.08	3	V	187	2.07	-
PK	5.67G	122.03	Inf	-Inf	6.25	3	V	187	2.07	-
PK	5.928G	62.71	68.20	-5.49	6.19	3	V	187	2.07	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5690MHz Straddle 5.47-5.725GHz_TX

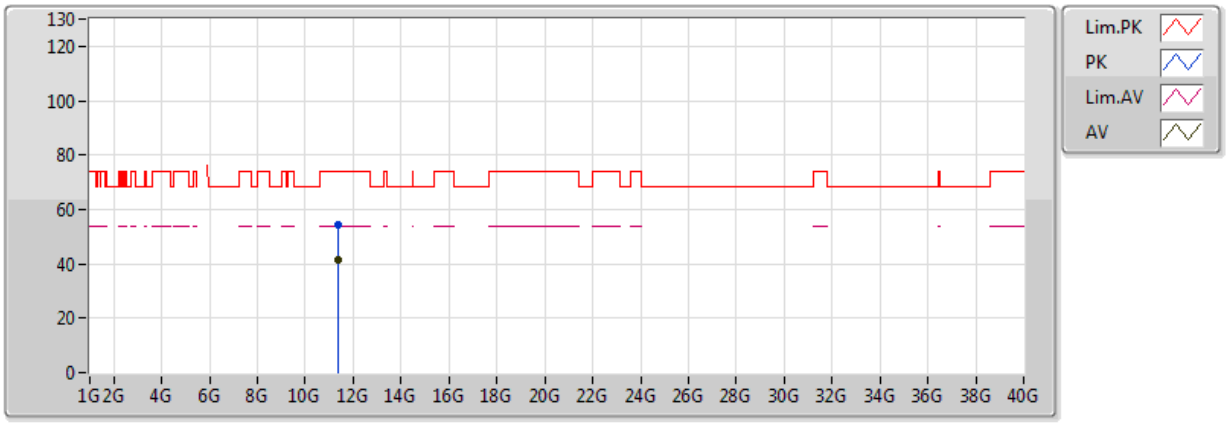


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.379936G	46.61	54.00	-7.39	13.31	3	V	88	2.52	-
PK	11.37996G	58.14	74.00	-15.86	13.31	3	V	88	2.52	-

802.11ac VHT80_Nss2,(MCS0)_8TX

5690MHz Straddle 5.47-5.725GHz_TX

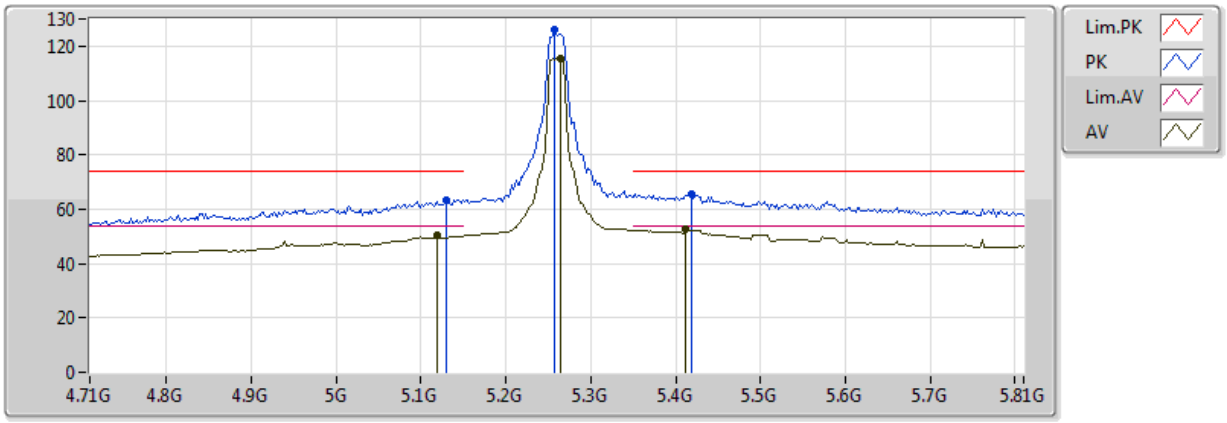


20170415
EUT Z 8TX Non-TXBF
Setting 24/24 (Max setting)
03-W-3
Status 1 Commend

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.380018G	41.41	54.00	-12.59	13.31	3	H	196	1.50	-
PK	11.378668G	54.54	74.00	-19.46	13.31	3	H	196	1.50	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5260MHz_TX

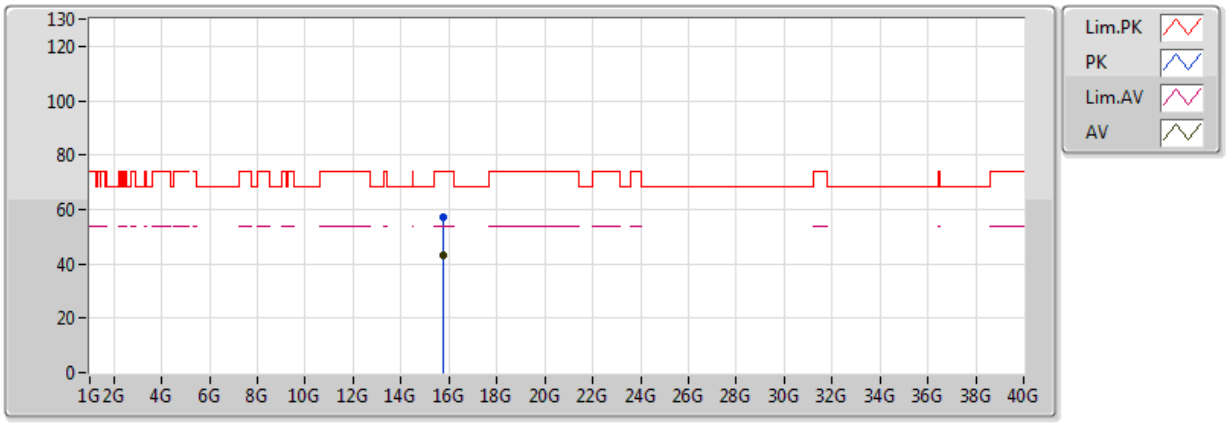


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1192G	50.45	54.00	-3.55	4.20	3	V	80	2.04	-
AV	5.2644G	115.32	Inf	-Inf	4.52	3	V	80	2.04	-
AV	5.4118G	52.46	54.00	-1.54	4.80	3	V	80	2.04	-
PK	5.1302G	63.37	74.00	-10.63	4.23	3	V	80	2.04	-
PK	5.2578G	125.95	Inf	-Inf	4.50	3	V	80	2.04	-
PK	5.4184G	65.56	74.00	-8.44	4.82	3	V	80	2.04	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5260MHz_TX

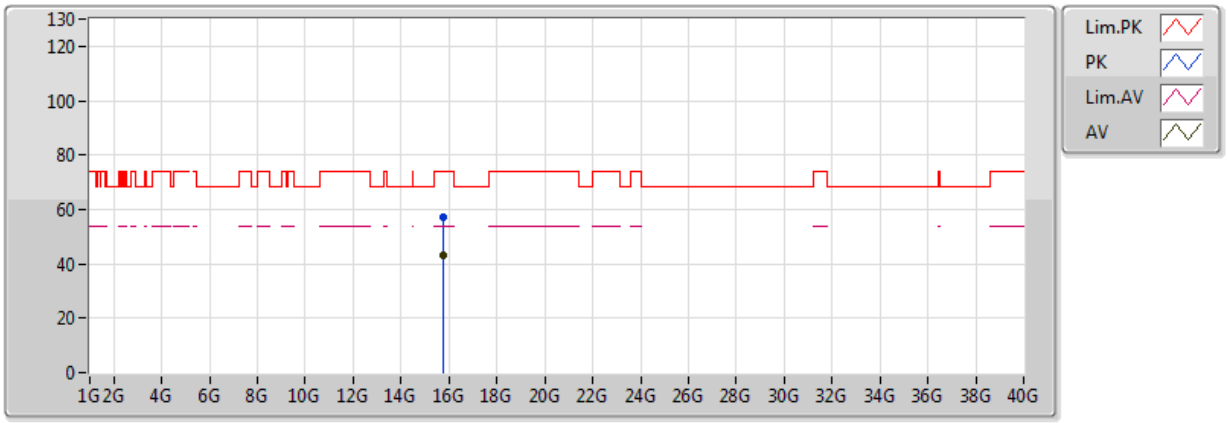


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77772G	43.08	54.00	-10.92	13.51	3	V	248	1.43	-
PK	15.77692G	57.09	74.00	-16.91	13.51	3	V	248	1.43	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5260MHz_TX

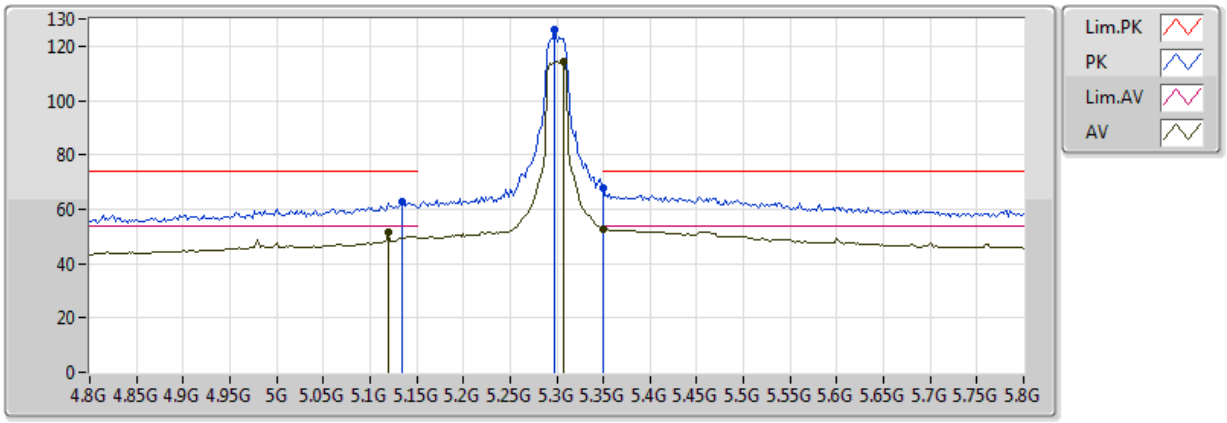


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77116G	43.09	54.00	-10.91	13.51	3	H	49	2.22	-
PK	15.78852G	57.43	74.00	-16.57	13.49	3	H	49	2.22	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5300MHz_TX

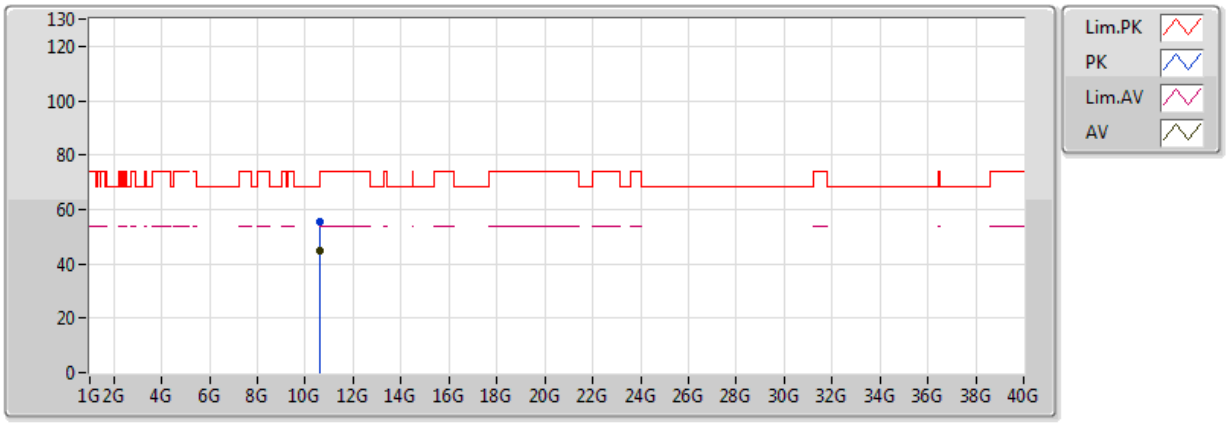


20170419
EUT Z_8TX
Setting 23/23
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.12G	51.32	54.00	-2.68	4.20	3	V	80	2.48	-
AV	5.308G	114.43	Inf	-Inf	4.60	3	V	80	2.48	-
AV	5.350005G	52.78	54.00	-1.22	4.68	3	V	80	2.48	-
PK	5.134G	62.64	74.00	-11.36	4.23	3	V	80	2.48	-
PK	5.298G	125.91	Inf	-Inf	4.59	3	V	80	2.48	-
PK	5.350005G	67.71	74.00	-6.29	4.68	3	V	80	2.48	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5300MHz_TX

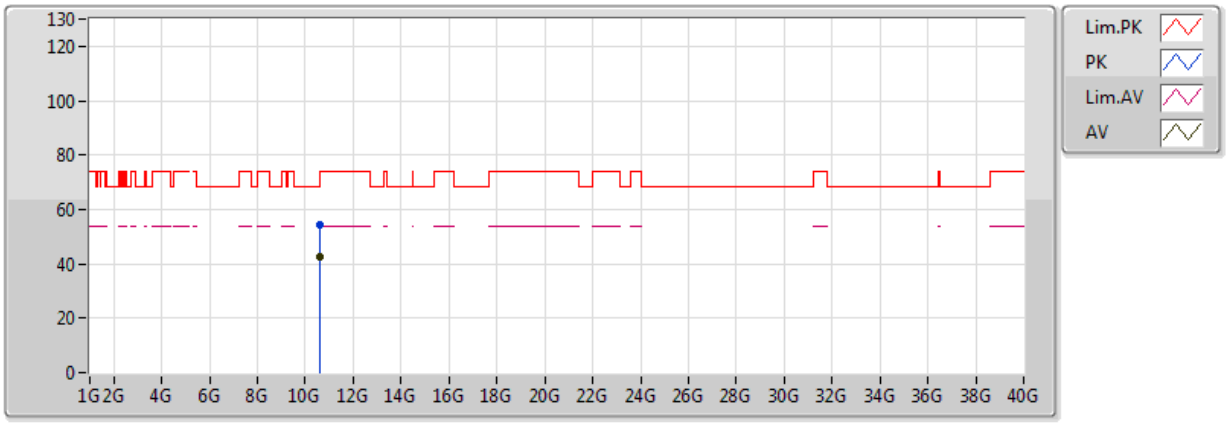


20170419
EUT Z_8TX
Setting 23/23
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60006G	44.90	54.00	-9.10	11.35	3	V	300	1.14	-
PK	10.60042G	55.49	74.00	-18.51	11.35	3	V	300	1.14	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5300MHz_TX

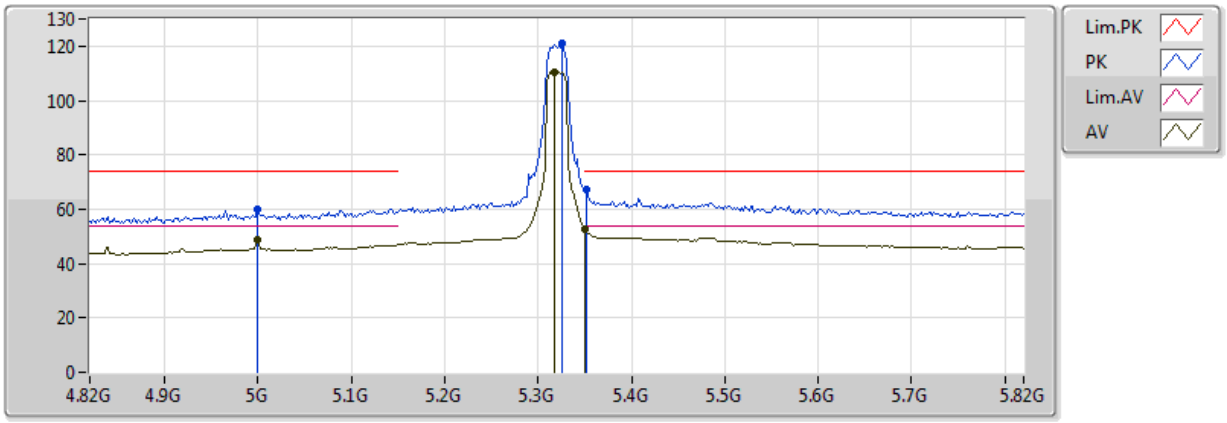


20170419
EUT Z_8TX
Setting 23/23
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60292G	42.80	54.00	-11.20	11.35	3	H	97	1.06	-
PK	10.60101G	54.54	74.00	-19.46	11.35	3	H	97	1.06	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5320MHz_TX

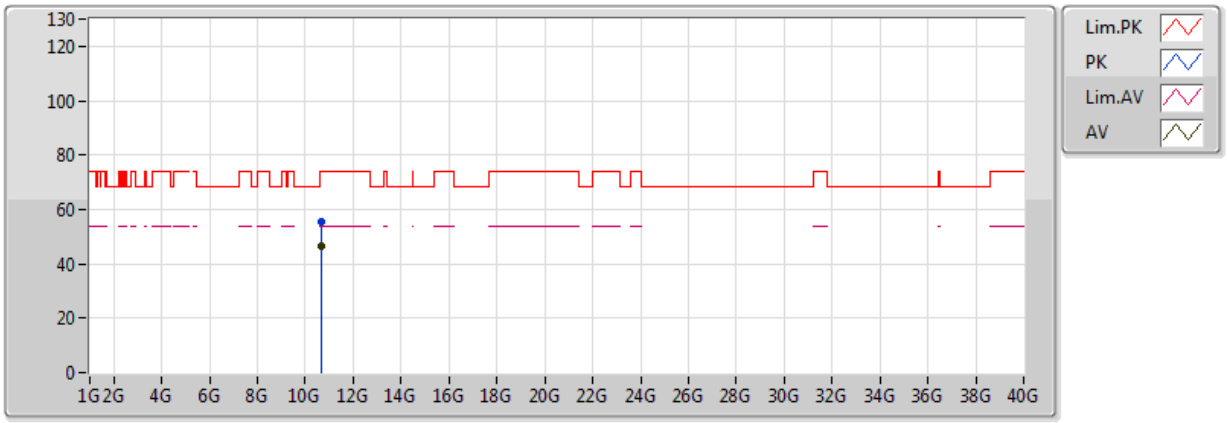


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5G	48.76	54.00	-5.24	3.92	3	V	98	2.10	-
AV	5.318G	110.29	Inf	-Inf	4.62	3	V	98	2.10	-
AV	5.350005G	52.74	54.00	-1.26	4.68	3	V	98	2.10	-
PK	5G	59.78	74.00	-14.22	3.92	3	V	98	2.10	-
PK	5.326G	121.23	Inf	-Inf	4.64	3	V	98	2.10	-
PK	5.352G	67.48	74.00	-6.52	4.68	3	V	98	2.10	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5320MHz_TX

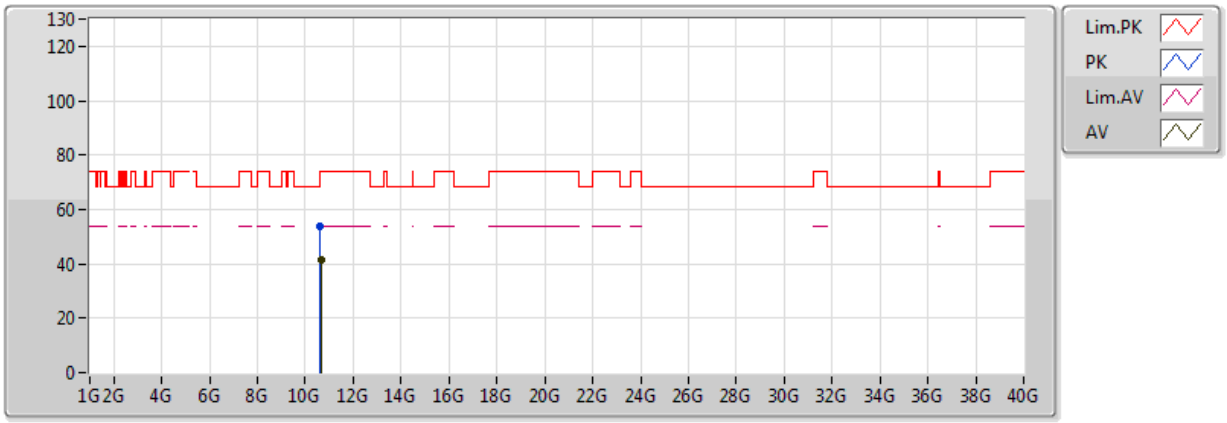


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63992G	46.54	54.00	-7.46	11.39	3	V	4	2.37	-
PK	10.6398G	55.38	74.00	-18.62	11.39	3	V	4	2.37	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5320MHz_TX

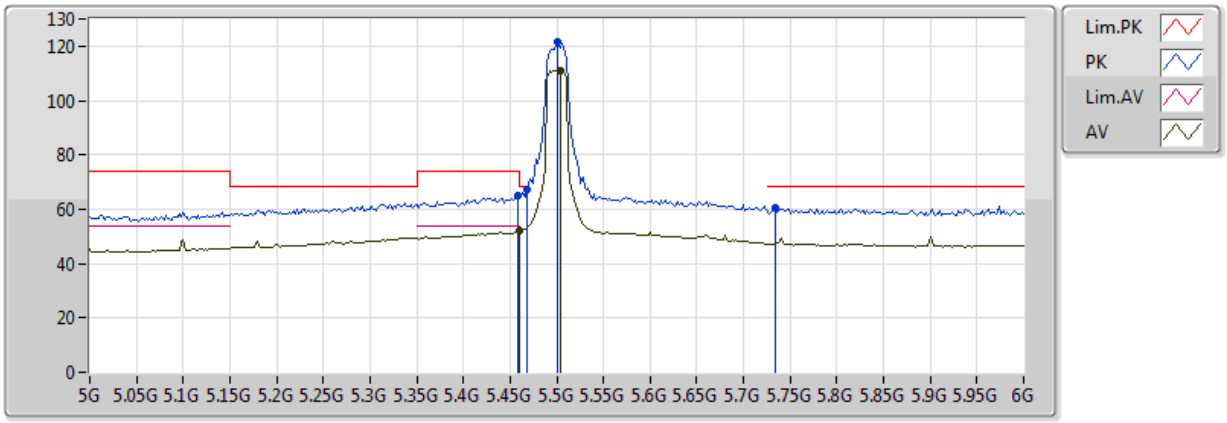


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63996G	41.26	54.00	-12.74	11.39	3	H	131	1.49	-
PK	10.63532G	54.04	74.00	-19.96	11.39	3	H	131	1.49	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5500MHz_TX

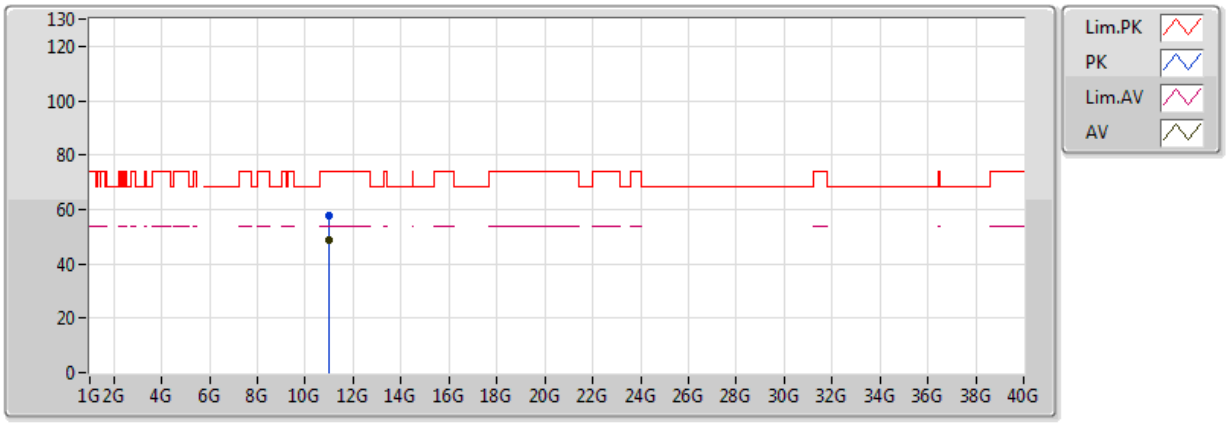


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	51.85	54.00	-2.15	4.93	3	V	279	1.96	-
AV	5.504G	111.16	Inf	-Inf	5.04	3	V	279	1.96	-
PK	5.458G	64.74	74.00	-9.26	4.92	3	V	279	1.96	-
PK	5.468G	66.99	68.20	-1.21	4.95	3	V	279	1.96	-
PK	5.5G	121.35	Inf	-Inf	5.03	3	V	279	1.96	-
PK	5.734G	60.62	68.20	-7.58	5.78	3	V	279	1.96	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5500MHz_TX

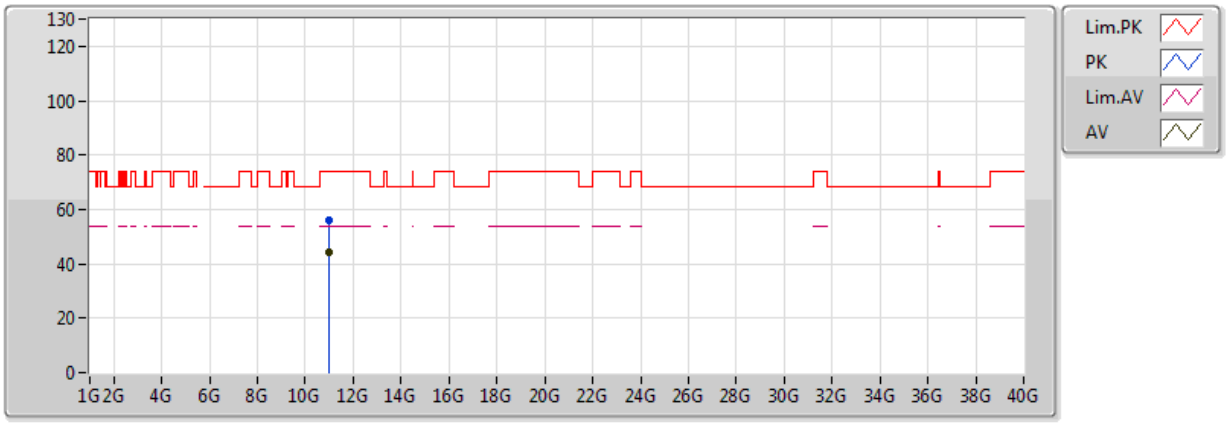


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.99992G	48.49	54.00	-5.51	11.80	3	V	0	2.60	-
PK	10.99992G	57.63	74.00	-16.37	11.80	3	V	0	2.60	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5500MHz_TX

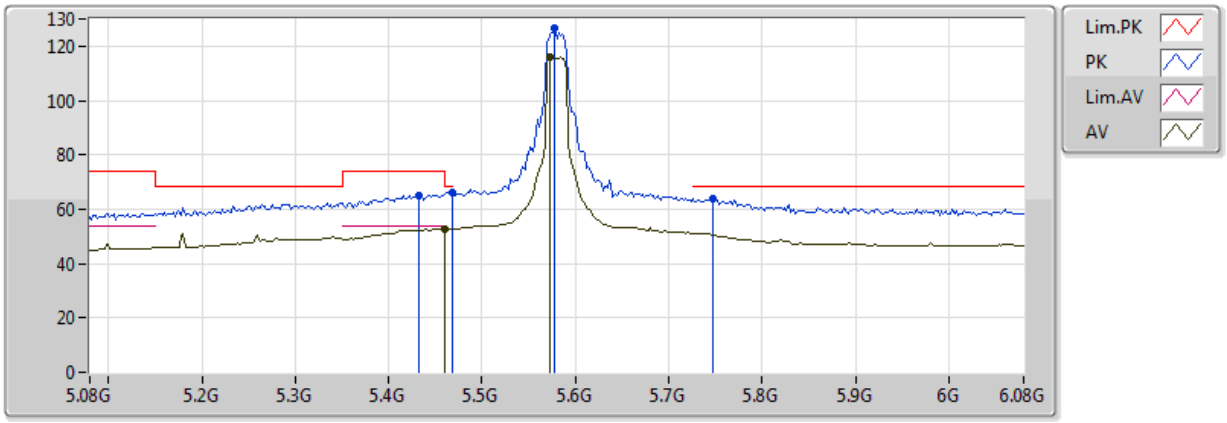


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.99992G	44.44	54.00	-9.56	11.80	3	H	237	1.11	-
PK	10.99972G	56.23	74.00	-17.77	11.80	3	H	237	1.11	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5580MHz_TX

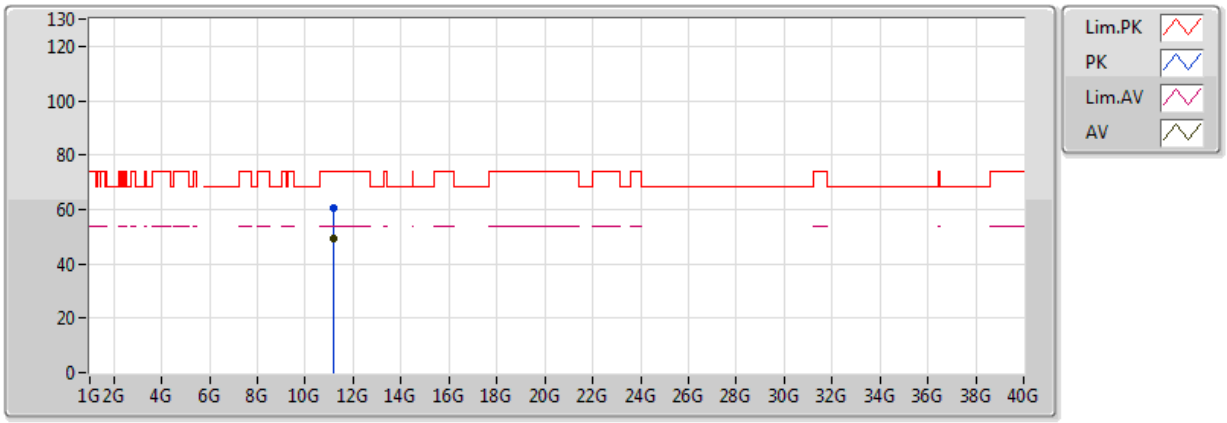


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	52.69	54.00	-1.31	4.93	3	V	280	2.04	-
AV	5.572G	116.09	Inf	-Inf	5.28	3	V	280	2.04	-
PK	5.432G	65.26	74.00	-8.74	4.85	3	V	280	2.04	-
PK	5.468G	66.06	68.20	-2.14	4.95	3	V	280	2.04	-
PK	5.578G	126.83	Inf	-Inf	5.30	3	V	280	2.04	-
PK	5.748G	63.66	68.20	-4.54	5.81	3	V	280	2.04	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5580MHz_TX

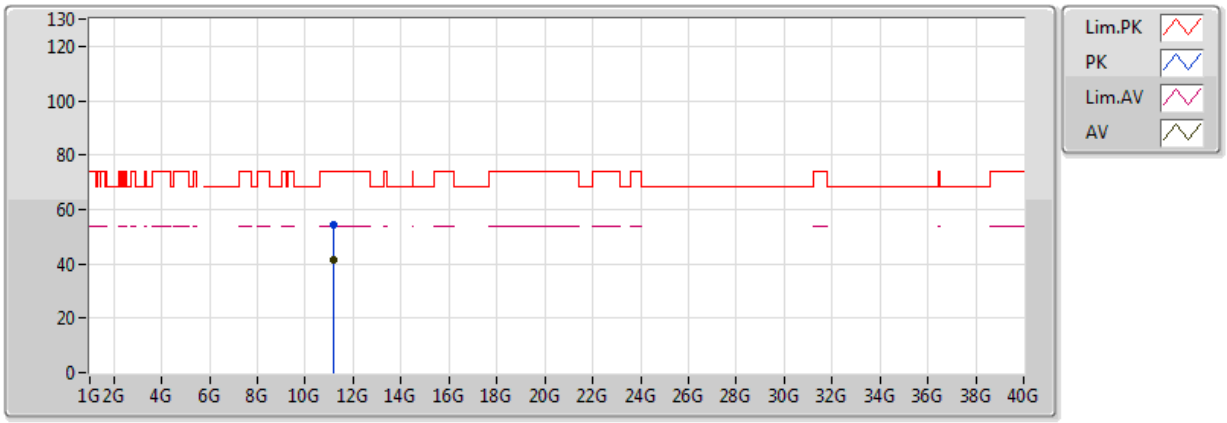


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15996G	49.16	54.00	-4.84	11.88	3	V	356	2.34	-
PK	11.16068G	60.39	74.00	-13.61	11.88	3	V	356	2.34	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5580MHz_TX

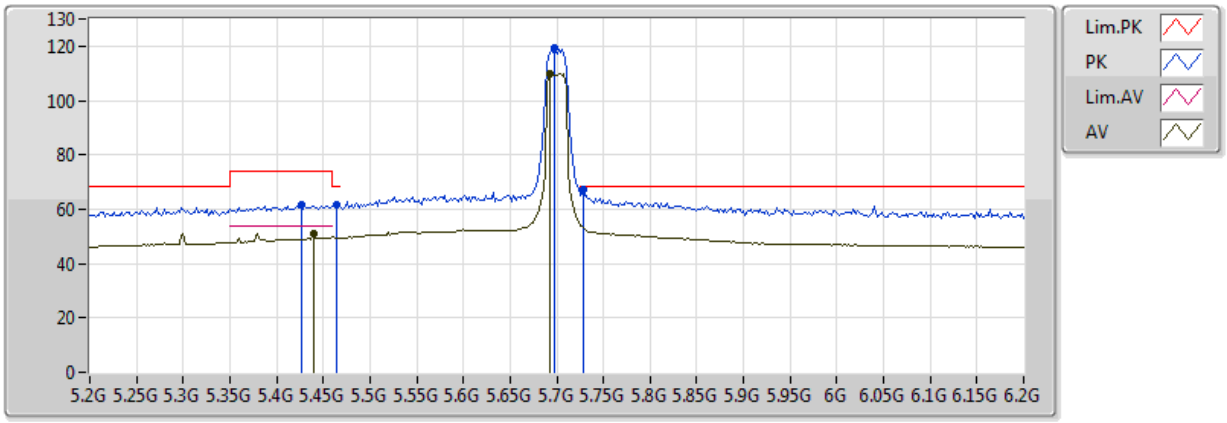


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15992G	41.43	54.00	-12.57	11.88	3	H	196	1.87	-
PK	11.15092G	54.41	74.00	-19.59	11.87	3	H	196	1.87	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5700MHz_TX

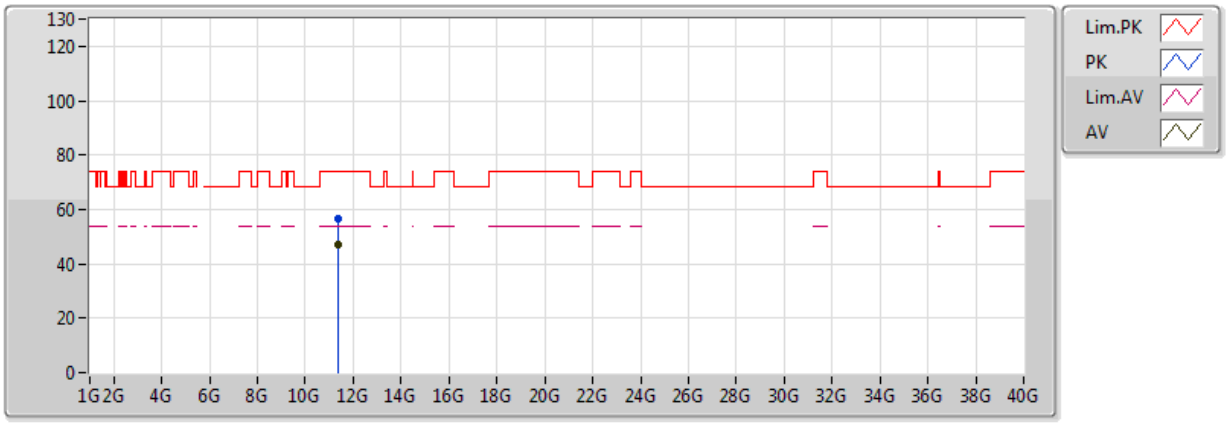


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.44G	51.18	54.00	-2.82	4.87	3	V	81	1.93	-
AV	5.692G	109.89	Inf	-Inf	5.66	3	V	81	1.93	-
PK	5.426G	61.89	74.00	-12.11	4.84	3	V	81	1.93	-
PK	5.464G	61.76	68.20	-6.44	4.94	3	V	81	1.93	-
PK	5.698G	119.28	Inf	-Inf	5.67	3	V	81	1.93	-
PK	5.728G	67.10	68.20	-1.10	5.76	3	V	81	1.93	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5700MHz_TX

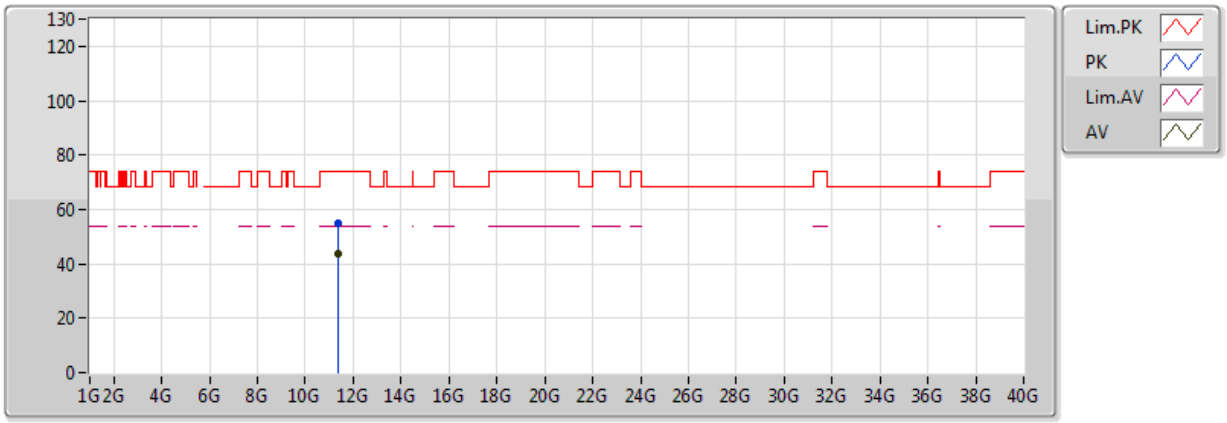


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39988G	47.11	54.00	-6.89	12.00	3	V	359	2.36	-
PK	11.40066G	56.76	74.00	-17.24	12.00	3	V	359	2.36	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5700MHz_TX

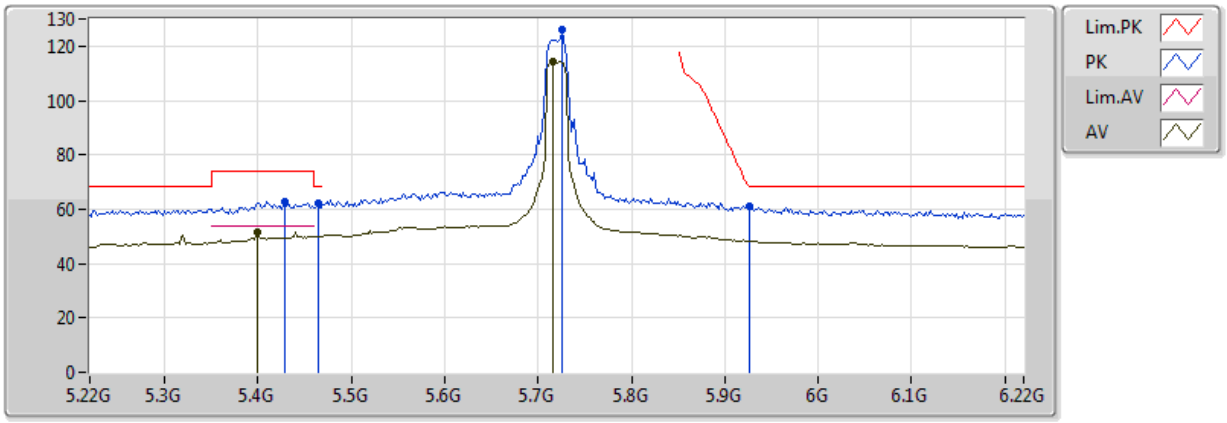


20170419
EUT Z_8TX
Setting 20/19
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39994G	43.47	54.00	-10.53	12.00	3	H	98	1.29	-
PK	11.39526G	54.71	74.00	-19.29	11.99	3	H	98	1.29	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

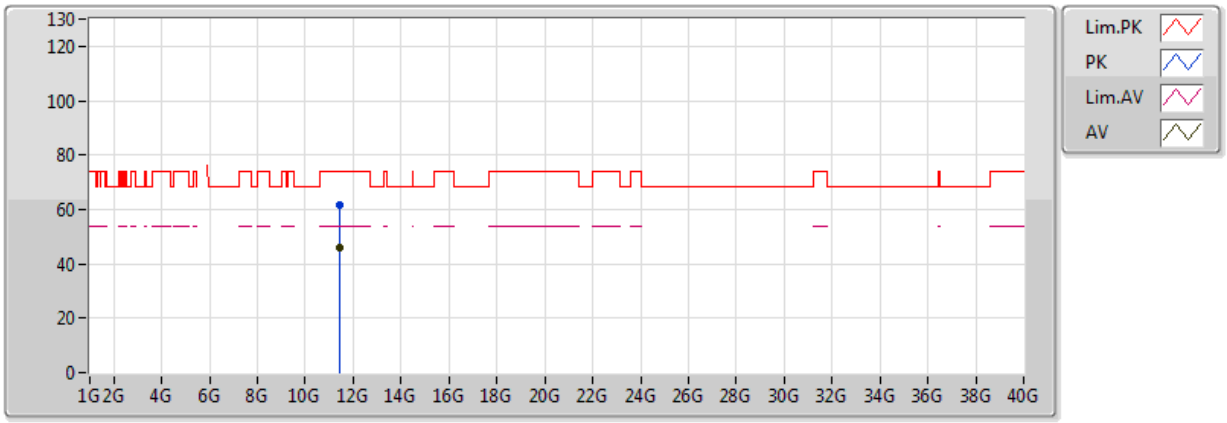


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4G	51.72	54.00	-2.28	4.77	3	V	81	1.90	-
AV	5.716G	114.38	Inf	-Inf	5.72	3	V	81	1.90	-
PK	5.428G	62.91	74.00	-11.09	4.84	3	V	81	1.90	-
PK	5.464G	61.96	68.20	-6.24	4.94	3	V	81	1.90	-
PK	5.726G	125.80	Inf	-Inf	5.75	3	V	81	1.90	-
PK	5.926G	61.24	68.20	-6.96	6.44	3	V	81	1.90	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

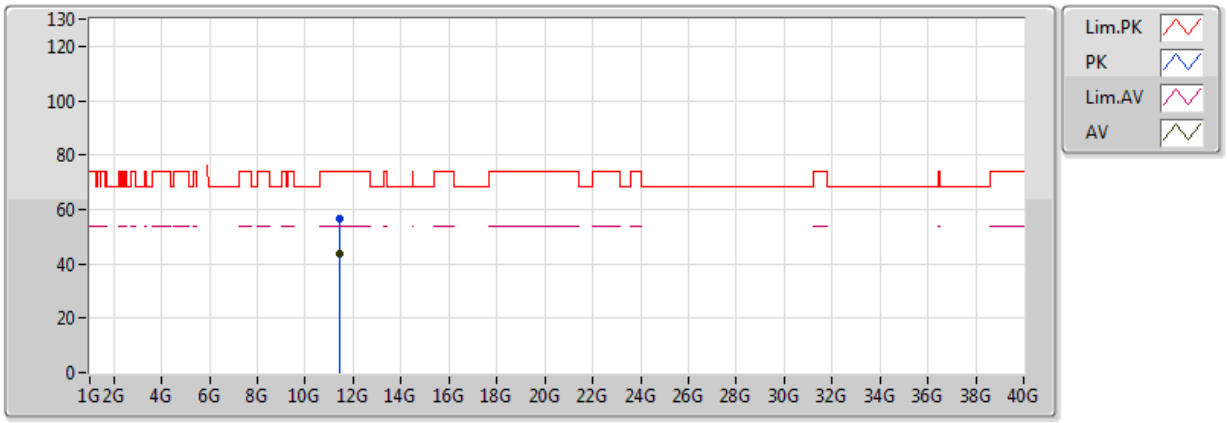


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4398G	45.98	54.00	-8.02	12.02	3	V	33	1.50	-
PK	11.4418G	61.48	74.00	-12.52	12.02	3	V	33	1.50	-

802.11ac VHT20_Nss4,(MCS0)_8TX

5720MHz Straddle 5.47-5.725GHz_TX

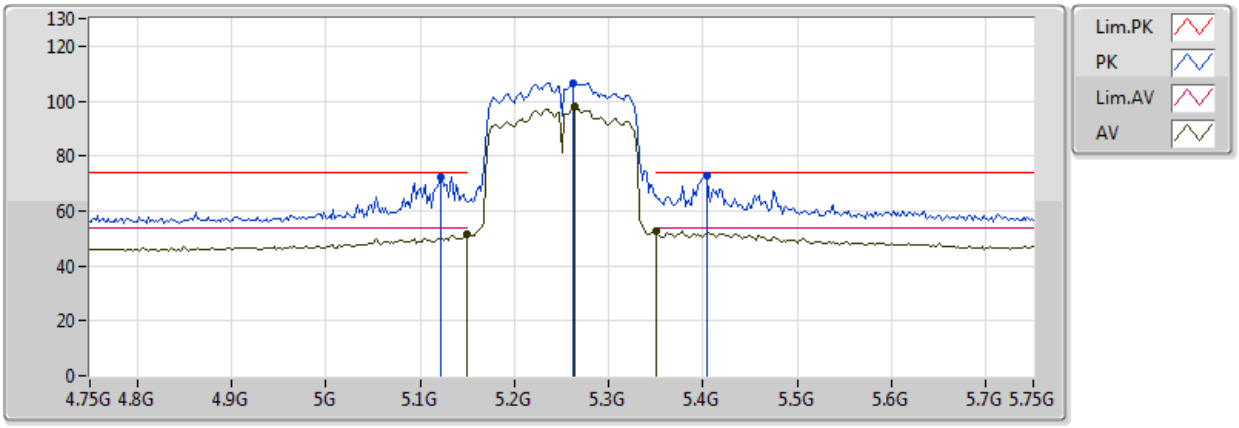


20170419
EUT Z_8TX
Setting 24/24
01-J-5-10
FSU

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4399G	43.74	54.00	-10.26	12.02	3	H	99	1.20	-
PK	11.4434G	56.73	74.00	-17.27	12.02	3	H	99	1.20	-

802.11ac VHT160_Nss2,(MCS0)_8TX

5250MHz_TX

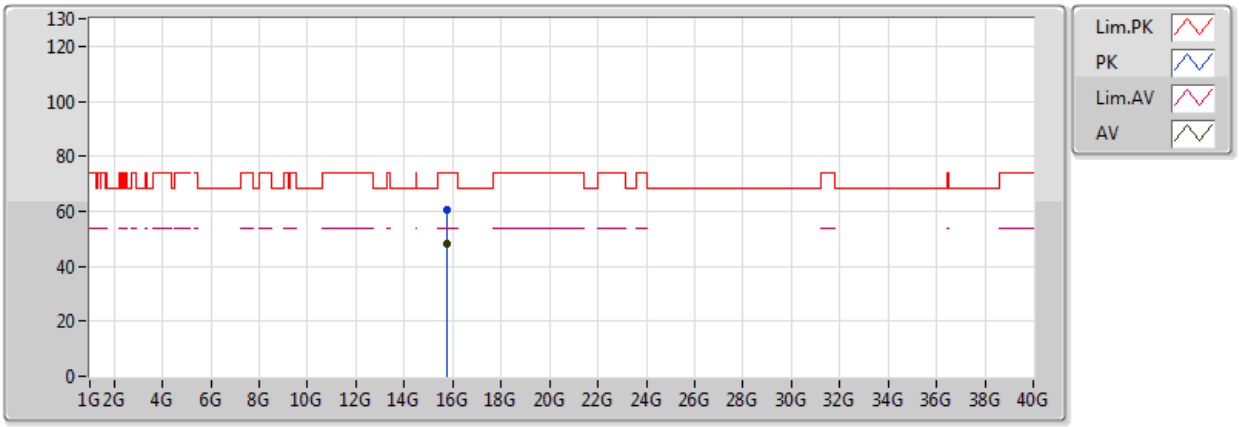


20170421
EUT Z_8TX
Setting 20/19
03-S-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.38	54.00	-2.62	5.44	3	V	171	1.76	-
AV	5.264G	97.87	Inf	-Inf	5.67	3	V	171	1.76	-
AV	5.350005G	52.79	54.00	-1.21	5.83	3	V	171	1.76	-
PK	5.122G	72.41	74.00	-1.59	5.39	3	V	171	1.76	-
PK	5.262G	106.67	Inf	-Inf	5.67	3	V	171	1.76	-
PK	5.404G	72.85	74.00	-1.15	5.92	3	V	171	1.76	-

802.11ac VHT160_Nss2,(MCS0)_8TX

5250MHz_TX

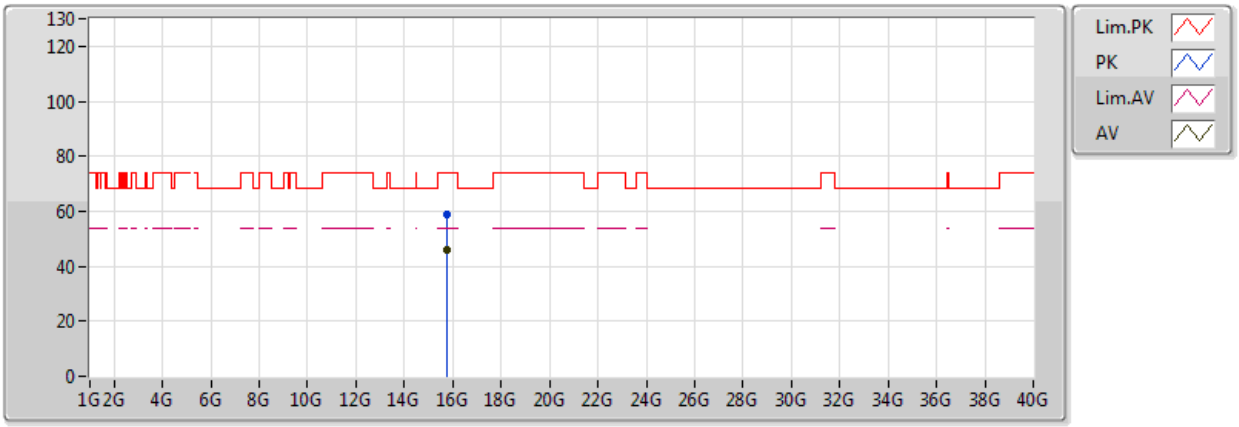


20170421
EUT Z_8TX
Setting 20/19
03-S-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.74632G	47.93	54.00	-6.07	15.63	3	V	321	1.50	-
PK	15.74676G	60.42	74.00	-13.58	15.63	3	V	321	1.50	-

802.11ac VHT160_Nss2,(MCS0)_8TX

5250MHz_TX

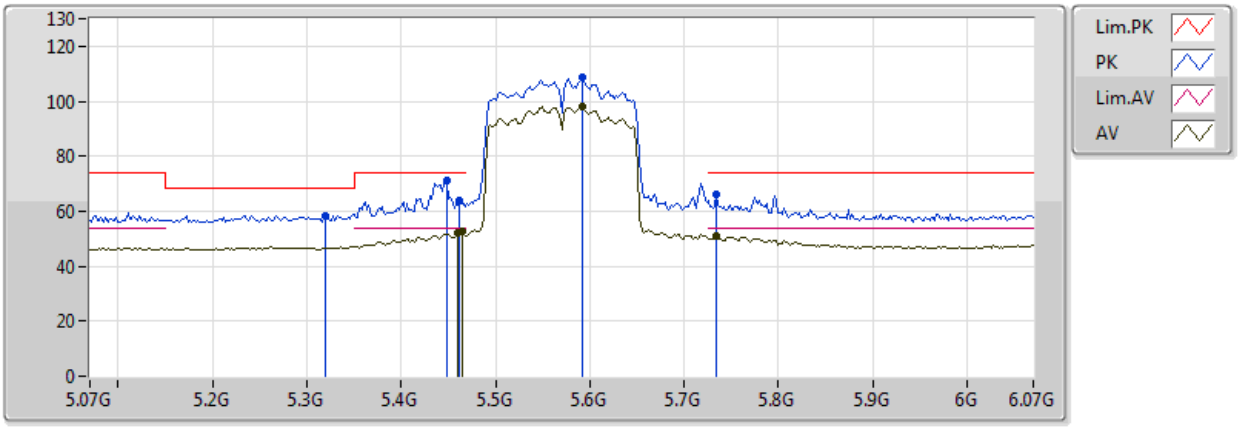


20170421
EUT Z_8TX
Setting 20/19
03-S-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.75188G	45.87	54.00	-8.13	13.54	3	H	239	1.83	-
PK	15.7493G	59.04	74.00	-14.96	13.54	3	H	239	1.83	-

802.11ac VHT160_Nss2,(MCS0)_8TX

5570MHz_TX

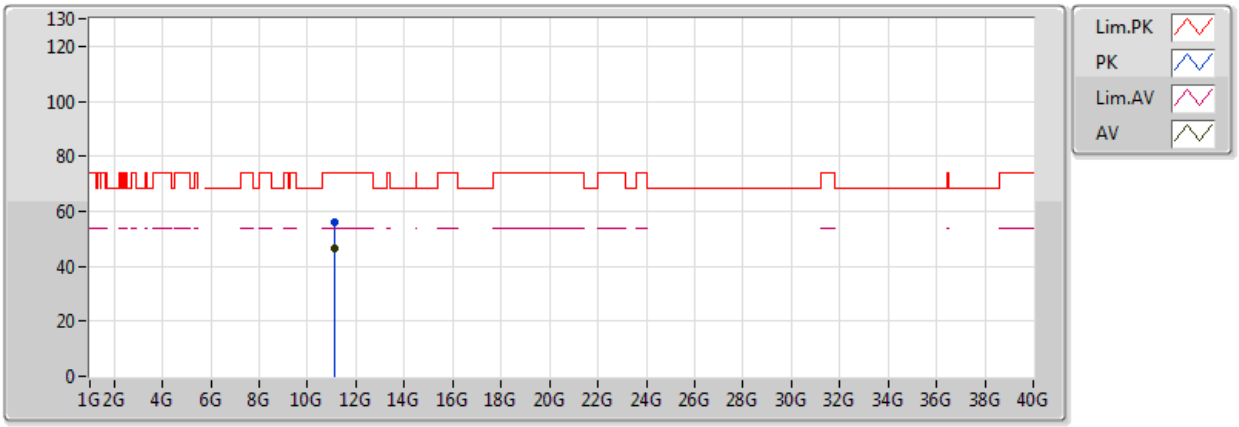


20170421
EUT Z_8TX
Setting 18/17
03-S-5-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	51.92	54.00	-2.08	6.06	3	V	200	1.90	-
AV	5.464G	52.69	54.00	-1.31	6.07	3	V	200	1.90	-
AV	5.592G	98.18	Inf	-Inf	6.23	3	V	200	1.90	-
AV	5.734G	51.02	54.00	-2.98	6.25	3	V	200	1.90	-
PK	5.448G	71.13	74.00	-2.87	6.03	3	V	200	1.90	-
PK	5.462G	63.67	74.00	-10.33	6.06	3	V	200	1.90	-
PK	5.592G	108.44	Inf	-Inf	6.23	3	V	200	1.90	-
PK	5.734G	66.32	74.00	-7.68	6.25	3	V	200	1.90	-
PK	5.32G	58.37	68.20	-9.83	5.77	3	V	200	1.90	-

802.11ac VHT160_Nss2,(MCS0)_8TX

5570MHz_TX

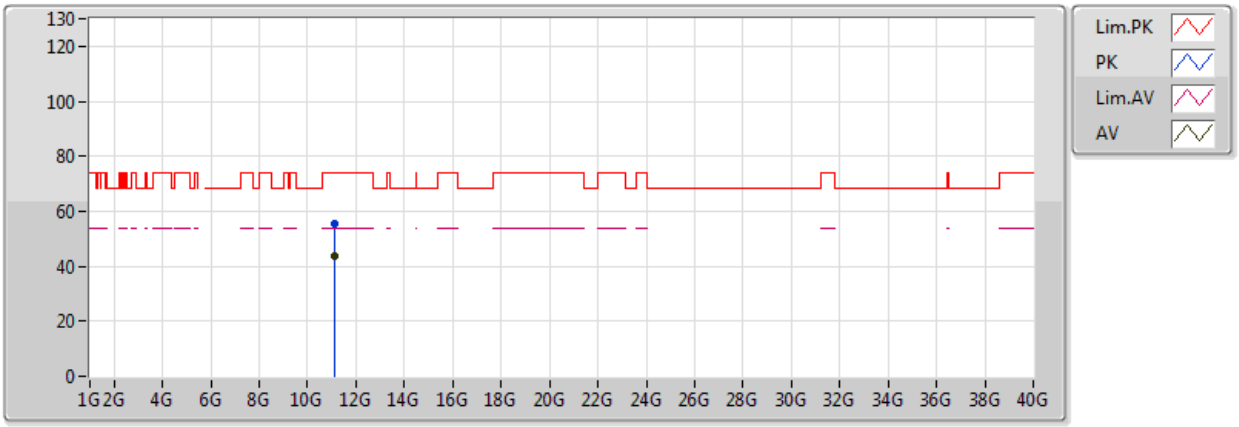


20170421
EUT Z_8TX
Setting 18/17
03-S-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.13986G	46.36	54.00	-7.64	13.06	3	V	102	2.46	-
PK	11.14016G	55.99	74.00	-18.01	13.06	3	V	102	2.46	-

802.11ac VHT160_Nss2,(MCS0)_8TX

5570MHz_TX



20170421
EUT Z_8TX
Setting 18/17
03-S-5
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.13974G	43.79	54.00	-10.21	13.06	3	H	17	2.29	-
PK	11.13992G	55.28	74.00	-18.72	13.06	3	H	17	2.29	-

Mode: 20 MHz / Ant 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9835	5299.9829	5299.9819	5299.9818
110.00	5299.9826	5299.9824	5299.9818	5299.9816
93.50	5299.9816	5299.9813	5299.9807	5299.9800
Max. Deviation (MHz)	**0.0184**	**0.0187**	**0.0193**	**0.0200**
Max. Deviation (ppm)	**3.47**	**3.53**	**3.64**	**3.77**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5299.9857	5299.9848	5299.9843	5299.9841
10	5299.9838	5299.9833	5299.9827	5299.9817
20	5299.9826	5299.9819	5299.9816	5299.9813
30	5299.9230	5299.9222	5299.9219	5299.9214
40	5299.9215	5299.9207	5299.9200	5299.9191
Max. Deviation (MHz)	**0.0786**	**0.0793**	**0.0800**	**0.0809**
Max. Deviation (ppm)	**14.83**	**14.96**	**15.09**	**15.26**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9835	5579.9830	5579.9822	5579.9812
110.00	5579.9826	5579.9819	5579.9813	5579.9809
93.50	5579.9816	5579.9814	5579.9811	5579.9803
Max. Deviation (MHz)	**0.0184**	**0.0186**	**0.0189**	**0.0197**
Max. Deviation (ppm)	**3.30**	**3.33**	**3.39**	**3.53**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5579.9845	5579.9840	5579.9831	5579.9830
10	5579.9835	5579.9834	5579.9826	5579.9821
20	5579.9826	5579.9823	5579.9814	5579.9805
30	5579.9230	5579.9228	5579.9225	5579.9224
40	5579.9216	5579.9207	5579.9201	5579.9199
Max. Deviation (MHz)	**0.0784**	**0.0793**	**0.0799**	**0.0801**
Max. Deviation (ppm)	**14.05**	**14.21**	**14.32**	**14.35**
Result	Pass			

Mode: 40 MHz / Ant 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9834	5309.9826	5309.9825	5309.9821
110.00	5309.9826	5309.9818	5309.9812	5309.9807
93.50	5309.9823	5309.9816	5309.9815	5309.9813
Max. Deviation (MHz)	**0.0177**	**0.0184**	**0.0188**	**0.0193**
Max. Deviation (ppm)	**3.33**	**3.47**	**3.54**	**3.63**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5309.9860	5309.9854	5309.9844	5309.9841
10	5309.9840	5309.9835	5309.9832	5309.9825
20	5309.9826	5309.9822	5309.9820	5309.9818
30	5309.9230	5309.9221	5309.9216	5309.9209
40	5309.9222	5309.9217	5309.9208	5309.9203
Max. Deviation (MHz)	**0.0778**	**0.0783**	**0.0792**	**0.0797**
Max. Deviation (ppm)	**14.65**	**14.75**	**14.92**	**15.01**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9831	5549.9821	5549.9813	5549.9811
110.00	5549.9826	5549.9818	5549.9813	5549.9806
93.50	5549.9823	5549.9814	5549.9810	5549.9808
Max. Deviation (MHz)	**0.0177**	**0.0186**	**0.0190**	**0.0194**
Max. Deviation (ppm)	**3.19**	**3.35**	**3.42**	**3.50**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5549.9855	5549.9848	5549.9846	5549.9845
10	5549.9845	5549.9837	5549.9827	5549.9818
20	5549.9826	5549.9820	5549.9814	5549.9812
30	5549.9230	5549.9229	5549.9226	5549.9224
40	5549.9224	5549.9221	5549.9217	5549.9214
Max. Deviation (MHz)	**0.0776**	**0.0779**	**0.0783**	**0.0786**
Max. Deviation (ppm)	**13.98**	**14.04**	**14.11**	**14.16**
Result	Pass			

Mode: 80 MHz / Ant 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9831	5289.9827	5289.9820	5289.9817
110.00	5289.9826	5289.9822	5289.9814	5289.9806
93.50	5289.9822	5289.9818	5289.9817	5289.9807
Max. Deviation (MHz)	**0.0178**	**0.0182**	**0.0186**	**0.0194**
Max. Deviation (ppm)	**3.36**	**3.44**	**3.52**	**3.67**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5289.9852	5289.9842	5289.9841	5289.9832
10	5289.9840	5289.9838	5289.9829	5289.9824
20	5289.9826	5289.9816	5289.9813	5289.9810
30	5289.9230	5289.9222	5289.9215	5289.9211
40	5289.9215	5289.9212	5289.9209	5289.9204
Max. Deviation (MHz)	**0.0785**	**0.0788**	**0.0791**	**0.0796**
Max. Deviation (ppm)	**14.84**	**14.90**	**14.95**	**15.05**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9830	5529.9828	5529.9819	5529.9813
110.00	5529.9826	5529.9824	5529.9817	5529.9812
93.50	5529.9817	5529.9812	5529.9805	5529.9796
Max. Deviation (MHz)	**0.0183**	**0.0188**	**0.0195**	**0.0204**
Max. Deviation (ppm)	**3.31**	**3.40**	**3.53**	**3.69**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5529.9860	5529.9859	5529.9851	5529.9846
10	5529.9844	5529.9842	5529.9833	5529.9823
20	5529.9826	5529.9824	5529.9817	5529.9813
30	5529.9230	5529.9220	5529.9216	5529.9206
40	5529.9221	5529.9218	5529.9212	5529.9211
Max. Deviation (MHz)	**0.0779**	**0.0782**	**0.0788**	**0.0794**
Max. Deviation (ppm)	**14.09**	**14.14**	**14.25**	**14.36**
Result	Pass			

Mode: 160 MHz / Ant 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5250 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5249.9995	5249.9990	5249.9987	5249.9981
110.00	5249.9986	5249.9981	5249.9972	5249.9971
93.50	5249.9979	5249.9970	5249.9965	5249.9964
Max. Deviation (MHz)	**0.0021**	**0.0030**	**0.0035**	**0.0036**
Max. Deviation (ppm)	**0.40**	**0.57**	**0.67**	**0.69**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5250 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5250.0011	5250.0005	5250.0001	5249.9993
10	5250.0000	5249.9993	5249.9985	5249.9979
20	5249.9986	5249.9978	5249.9968	5249.9962
30	5249.9973	5249.9971	5249.9961	5249.9951
40	5249.9970	5249.9964	5249.9956	5249.9954
Max. Deviation (MHz)	**0.0037**	**0.0043**	**0.0047**	**0.0052**
Max. Deviation (ppm)	**0.70**	**0.82**	**0.90**	**0.99**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5570 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5569.9948	5569.9944	5569.9941	5569.9938
110.00	5569.9945	5569.9941	5569.9939	5569.9932
93.50	5569.9937	5569.9931	5569.9927	5569.9923
Max. Deviation (MHz)	**0.0063**	**0.0069**	**0.0073**	**0.0077**
Max. Deviation (ppm)	**1.13**	**1.24**	**1.31**	**1.38**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5570 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5569.9919	5569.9915	5569.9911	5569.9904
10	5569.9927	5569.9925	5569.9920	5569.9910
20	5569.9945	5569.9940	5569.9930	5569.9928
30	5569.9987	5569.9986	5569.9983	5569.9979
40	5569.9993	5569.9990	5569.9984	5569.9981
Max. Deviation (MHz)	**0.0121**	**0.0129**	**0.0136**	**0.0146**
Max. Deviation (ppm)	**2.17**	**2.32**	**2.44**	**2.62**
Result	Pass			