FCC Test Report

Equipment	:	DBDC ROUTER
Brand Name	:	Charter
Model No.	:	RAC2V1K
FCC ID	:	H8NRAC2V1K
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5250 MHz – 5350 MHz 5470 MHz – 5725 MHz
Applicant	:	Askey Computer Corp. 10F, NO.119, JIANKANG RD., ZHONGHE DIST., NEW TAIPEI CITY 23585, TAIWAN
Manufacturer	:	Askey Computer Corp. 10F, NO.119, JIANKANG RD., ZHONGHE DIST., NEW TAIPEI CITY 23585, TAIWAN
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☐ Client

The product sample received on Feb. 15, 2017 and completely tested on Feb. 27, 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

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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
FR711935-02AA	Rev. 01	Initial issue of report	Mar. 21, 2017
FR711935-02AA	Rev. 02	Remove 80+80 mode	Apr. 11, 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	102-144 [6]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX

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

1.1.2 Antenna Information

Ant.	Brand	Part Number	Antenna Type	Connector	Gain (dBi)	Remark
1	Airgain	N2420GS	PCB Antenna	I-PEX	4.30	2.4GHz TX/RX
2	Airgain	N2420GS	PCB Antenna	I-PEX	3.40	2.4GHz TX/RX
3	Airgain	N2420GS	PCB Antenna	I-PEX	3.50	2.4GHz TX/RX
4	Airgain	N2420GS	PCB Antenna	I-PEX	4.20	2.4GHz TX/RX
5	Airgain	M5x05C (Longer)	PCB Antenna	I-PEX	5.00	5GHz TX/RX
6	Airgain	M5x05C	PCB Antenna	I-PEX	5.60	5GHz TX/RX
7	Airgain	M5x05C	PCB Antenna	I-PEX	4.50	5GHz TX/RX
8	Airgain	M5x05C (Longer)	PCB Antenna	I-PEX	4.10	5GHz TX/RX

Note: The EUT has eight antennas.

For 2.4GHz function (4TX/4RX):

Ant. 1 (P1), Ant. 2 (P2), Ant. 3 (P3) and Ant. 4 (P4) could transmit/receive simultaneously.

For 5GHz function (4TX/4RX):

Ant. 5 (P1), Ant. 6 (P2), Ant. 7 (P3) and Ant. 8 (P4) could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.969	0.137	2.068m
802.11ac VHT20	0.988	0.052	n/a (DC>=0.98)
802.11ac VHT40	0.976	0.106	2.437m
802.11ac VHT80	0.934	0.297	1.15m

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 802.11n/ac.			

Note: There are two functions of EUT, one is beamforming function, and the other is non-beamforming function for 802.11n/ac. The non-beamforming function was tested and recorded in this report, and the beamforming function was tested and recorded in Report No. : FR711935-02AB.

1.1.5 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR711935-01AB

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

Modifications	Performance Checking
Adding 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device	1. Emission Bandwidth. 2. Maximum Conducted Output Power. 3. Peak Power Spectral Density. 4. Frequency Stability. 5. Unwanted Emissions above 1GHz.

Note: There are two functions of EUT, one is beamforming function, and the other is non-beamforming function for 802.11n/ac. The non-beamforming function was tested and recorded in this report, and the beamforming function was tested and recorded in Report No. : FR711935-02AB.

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 v01r03
- 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	22°C / 55%	Feb. 20, 2017~Feb. 27, 2017
Radiated	03CH01-CB	Jay Luo	22°C / 54%	Feb. 15, 2017~Feb. 24, 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

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5260MHz	12
5300MHz	12
5320MHz	12
5500MHz	13
5580MHz	13
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	13.5
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	12
5300MHz	12
5320MHz	12
5500MHz	13
5580MHz	13
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	13.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	15
5310MHz	15
5510MHz	16
5550MHz	16
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	16.5
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	16
5530MHz	16
5610MHz	17.5
5690MHz Straddle 5.47-5.725GHz	18.5

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA711935-02 for Co-location RF Exposure Evaluation.	

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

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

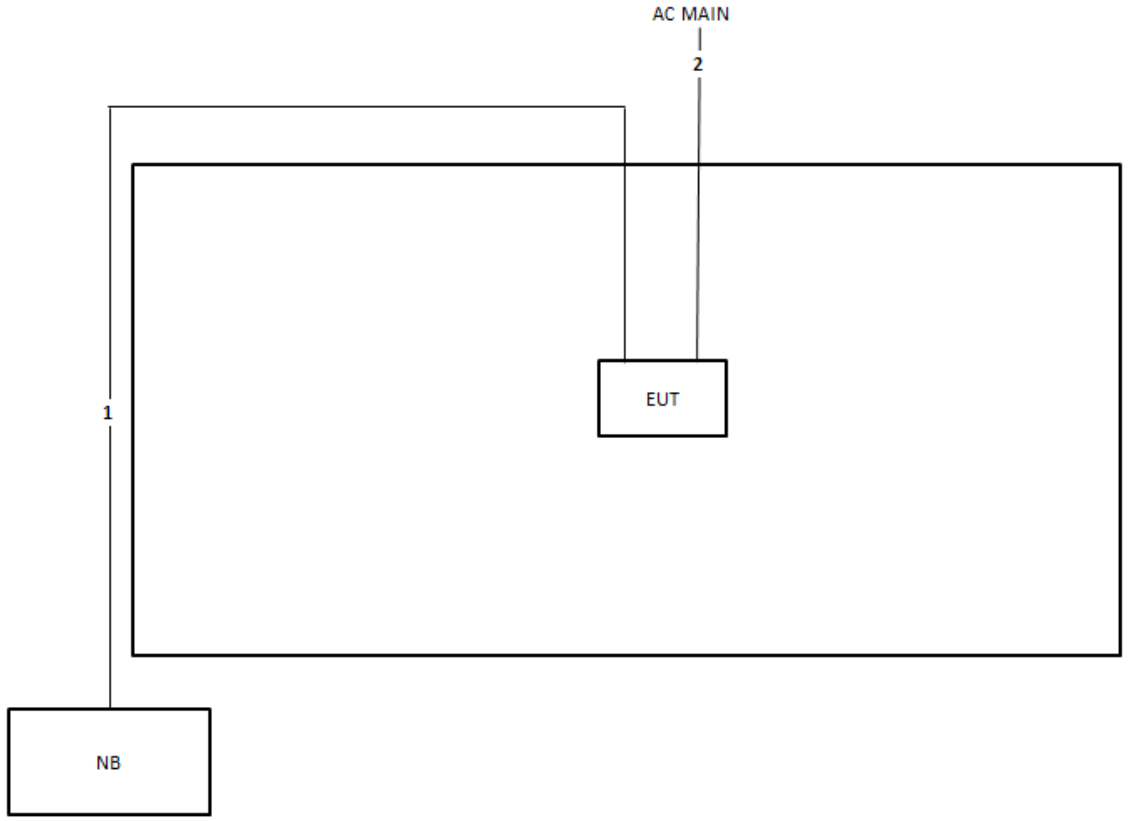
Accessories				
No.	**Equipment Name**	**Brand Name**	**Model No.**	**Rating**
1	Adapter 1	Sunny	SYS1564-3012-W2	INPUT: 100-240Vac, 50-60Hz, 1.0A MAX. OUTPUT: 12Vdc, 2.5A
2	Adapter 2	Ktec	KSA-36W-120250HU	INPUT: 100-240Vac, 50/60Hz, 1.0A OUTPUT: 12Vdc, 2.5A

2.5 Support Equipment

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 > 1GHz



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

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.

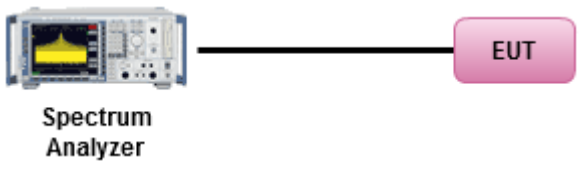
3.1.2 Measuring Instruments

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

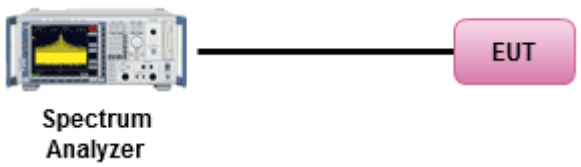
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

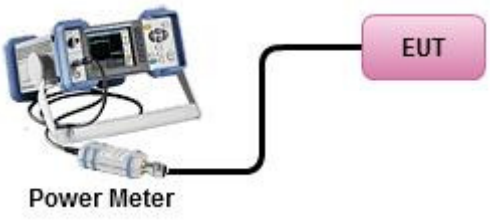
Test Method	
▪ Maximum Conducted Output Power	
	Average over on/off periods with duty factor
	☒ For straddle channel: Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ For other channel: 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:

RF Output Power (Spectrum Analyzer)


For other channel:

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.	

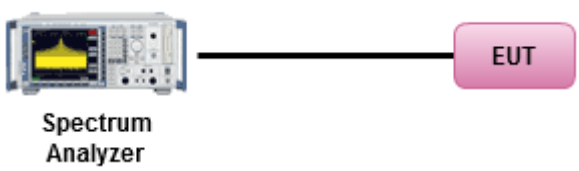
3.3.2 Measuring Instruments

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

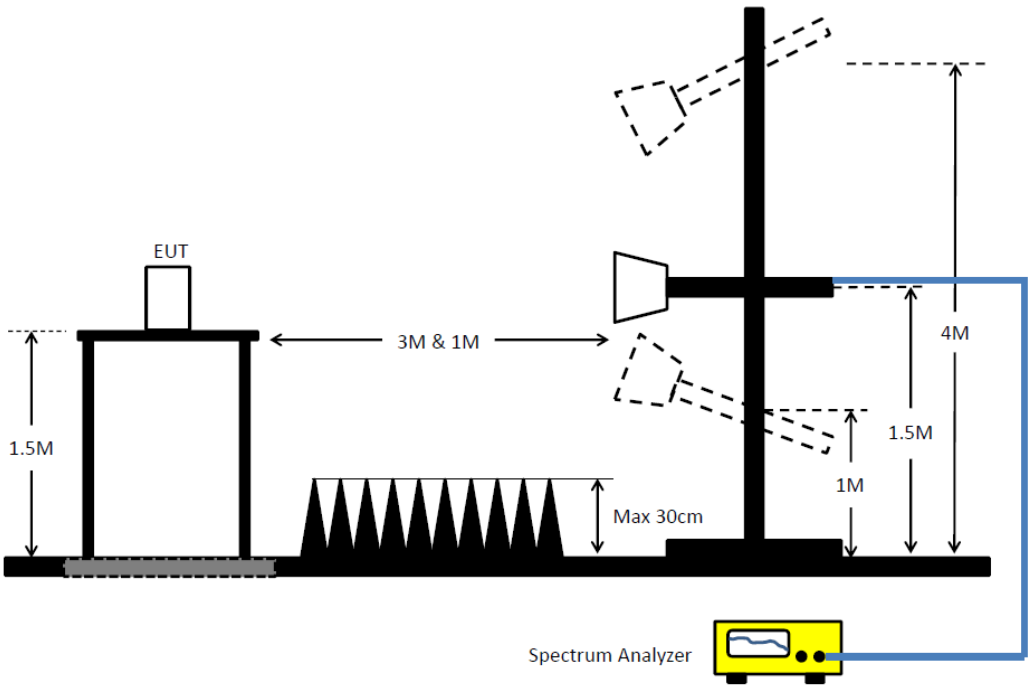
Refer a test equipment and calibration data table in this test report.

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

Transmitter Radiated Unwanted Emissions
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

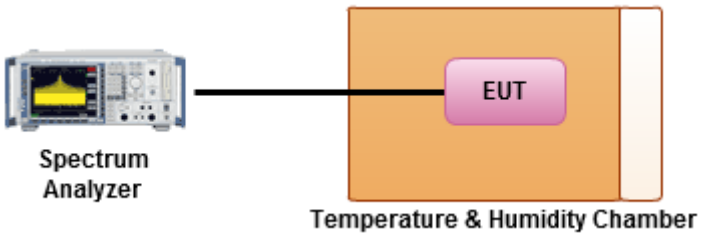
Refer a test equipment and calibration data table in this test report.

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℃~40℃.

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. 18, 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. 21, 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.

11a, VHT20, VHT40 and VHT80
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.25-5.35GHz	19.925M	16.417M	16M4D1D	19.3M	16.367M
5.47-5.725GHz	19.825M	16.442M	16M4D1D	14.85M	13.208M
5.725-5.85GHz	3.14M	3.458M	3M46D1D	3.12M	3.418M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	20.6M	17.641M	17M6D1D	20.275M	17.591M
5.47-5.725GHz	20.55M	17.641M	17M6D1D	15.075M	13.808M
5.725-5.85GHz	3.78M	3.978M	3M98D1D	3.72M	3.898M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	39.9M	35.982M	36M0D1D	39.1M	35.882M
5.47-5.725GHz	40M	36.082M	36M1D1D	34.65M	32.779M
5.725-5.85GHz	3.14M	3.478M	3M48D1D	3.12M	3.438M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.25-5.35GHz	83.6M	75.762M	75M8D1D	83M	75.662M
5.47-5.725GHz	83.8M	75.962M	76M0D1D	76.575M	72.489M
5.725-5.85GHz	3.14M	4.018M	4M02D1D	3.12M	3.858M

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

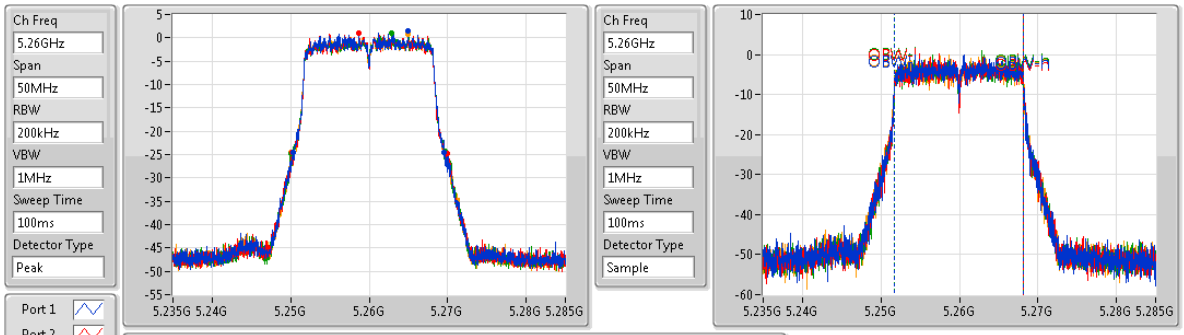
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	19.3M	16.417M	19.8M	16.417M	19.575M	16.392M	19.675M	16.417M
5300MHz	Pass	Inf	19.925M	16.417M	19.8M	16.392M	19.575M	16.417M	19.65M	16.392M
5320MHz	Pass	Inf	19.4M	16.417M	19.55M	16.367M	19.525M	16.392M	19.7M	16.417M
5500MHz	Pass	Inf	19.475M	16.417M	19.825M	16.367M	19.4M	16.392M	19.675M	16.417M
5580MHz	Pass	Inf	19.525M	16.392M	19.775M	16.417M	19.5M	16.417M	19.7M	16.417M
5700MHz	Pass	Inf	19.3M	16.392M	19.775M	16.417M	19.725M	16.417M	19.725M	16.442M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.91M	13.223M	14.85M	13.208M	15.03M	13.238M	15.06M	13.223M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.418M	3.14M	3.438M	3.12M	3.438M	3.14M	3.458M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.55M	17.616M	20.275M	17.591M	20.5M	17.616M	20.6M	17.641M
5300MHz	Pass	Inf	20.6M	17.616M	20.55M	17.616M	20.525M	17.591M	20.575M	17.591M
5320MHz	Pass	Inf	20.525M	17.591M	20.45M	17.616M	20.55M	17.641M	20.425M	17.616M
5500MHz	Pass	Inf	20.55M	17.641M	20.25M	17.591M	20.425M	17.591M	20.525M	17.616M
5580MHz	Pass	Inf	20.45M	17.591M	20.375M	17.616M	20.475M	17.616M	20.525M	17.616M
5700MHz	Pass	Inf	20.475M	17.616M	20.3M	17.591M	20.425M	17.616M	20.525M	17.641M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.15M	13.823M	15.18M	13.838M	15.105M	13.808M	15.075M	13.823M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	3.898M	3.74M	3.898M	3.78M	3.978M	3.72M	3.918M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.25M	35.882M	39.1M	35.932M	39.8M	35.932M	39.6M	35.982M
5310MHz	Pass	Inf	39.65M	35.932M	39.15M	35.932M	39.9M	35.982M	39.8M	35.882M
5510MHz	Pass	Inf	39.4M	35.882M	39.2M	35.932M	39.75M	35.932M	39.75M	35.932M
5550MHz	Pass	Inf	39.65M	36.082M	39.25M	35.982M	39.9M	35.882M	39.85M	35.982M
5670MHz	Pass	Inf	39.8M	35.982M	39.2M	35.932M	40M	35.982M	40M	35.882M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.755M	32.849M	34.65M	32.779M	34.86M	32.849M	34.825M	32.884M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.478M	3.12M	3.438M	3.12M	3.458M	3.14M	3.438M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	83.6M	75.662M	83M	75.762M	83.2M	75.662M	83.3M	75.662M
5530MHz	Pass	Inf	83.8M	75.962M	82.6M	75.662M	83.4M	75.762M	83.2M	75.762M
5610MHz	Pass	Inf	83.8M	75.762M	82.9M	75.662M	83.5M	75.762M	83.4M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.65M	72.564M	76.575M	72.489M	76.95M	72.489M	76.575M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.918M	3.12M	3.858M	3.14M	3.938M	3.12M	4.018M

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)_4TX **EBW**

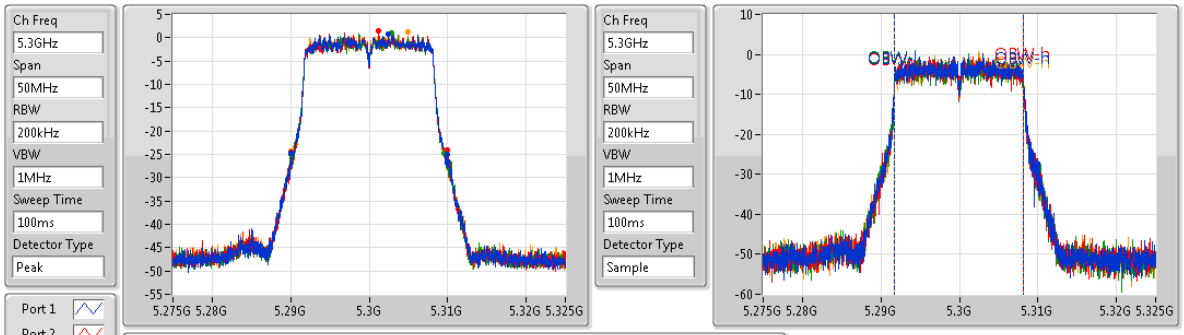
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.3M	5.250275G	5.269575G	16.417M	5.251754G	5.268171G	Inf	1
19.8M	5.250125G	5.269925G	16.417M	5.251779G	5.268196G	Inf	2
19.575M	5.25005G	5.269625G	16.392M	5.251779G	5.268171G	Inf	3

802.11a_(6Mbps)_4TX **EBW**

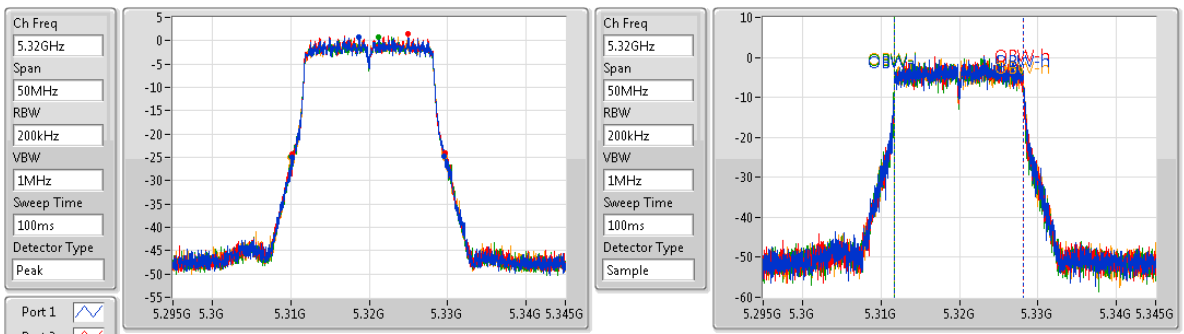
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.925M	5.290075G	5.31G	16.417M	5.291754G	5.308171G	Inf	1
19.8M	5.2901G	5.3099G	16.392M	5.291779G	5.308171G	Inf	2
19.575M	5.290025G	5.3096G	16.417M	5.291754G	5.308171G	Inf	3

802.11a_(6Mbps)_4TX **EBW**

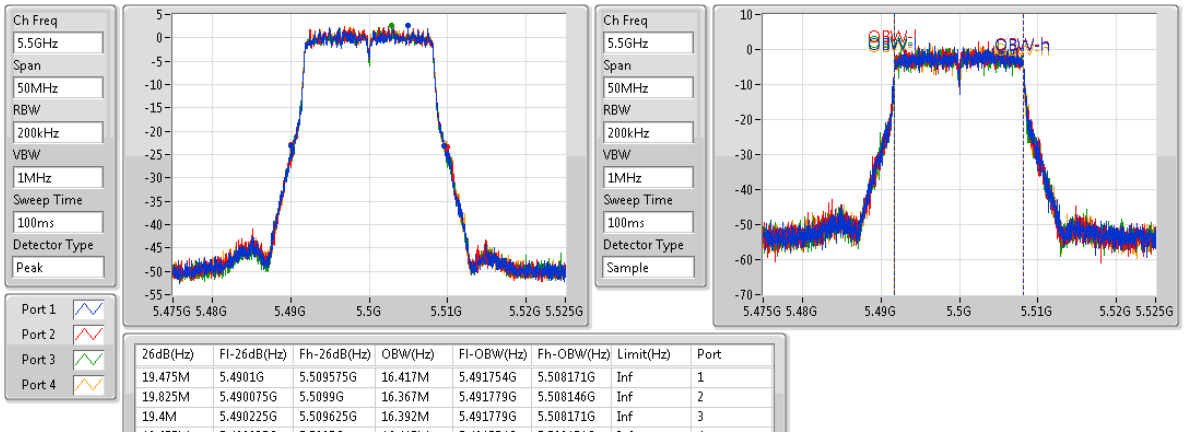
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.4M	5.3102G	5.3296G	16.417M	5.311779G	5.328196G	Inf	1
19.55M	5.310125G	5.329675G	16.367M	5.311779G	5.328146G	Inf	2
19.525M	5.310075G	5.3296G	16.392M	5.311779G	5.328171G	Inf	3

802.11a_(6Mbps)_4TX **EBW**

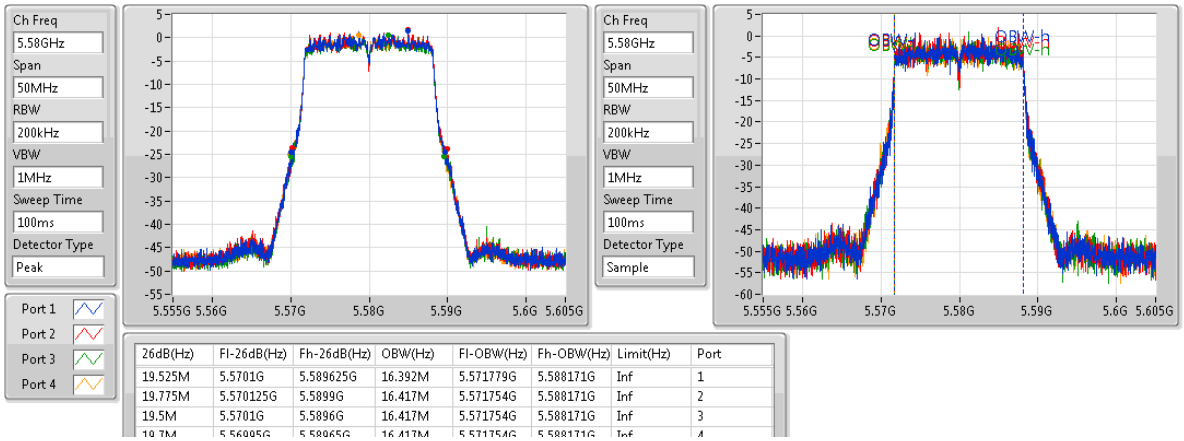
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.475M	5.4901G	5.509575G	16.417M	5.491754G	5.508171G	Inf	1
19.825M	5.490075G	5.5099G	16.367M	5.491779G	5.508146G	Inf	2
19.4M	5.490225G	5.509625G	16.392M	5.491779G	5.508171G	Inf	3

802.11a_(6Mbps)_4TX **EBW**

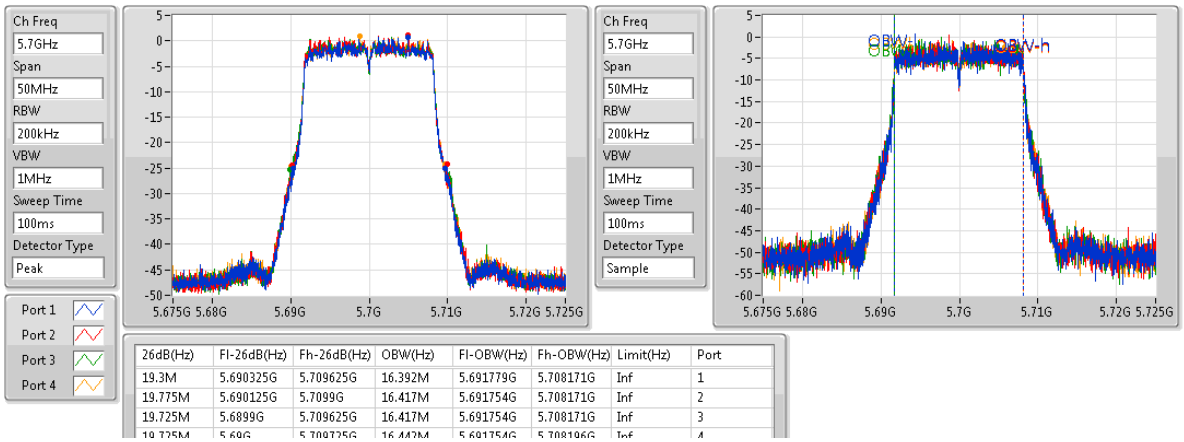
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.525M	5.5701G	5.589625G	16.392M	5.571779G	5.588171G	Inf	1
19.775M	5.570125G	5.5899G	16.417M	5.571754G	5.588171G	Inf	2
19.5M	5.5701G	5.5896G	16.417M	5.571754G	5.588171G	Inf	3

802.11a_(6Mbps)_4TX **EBW**

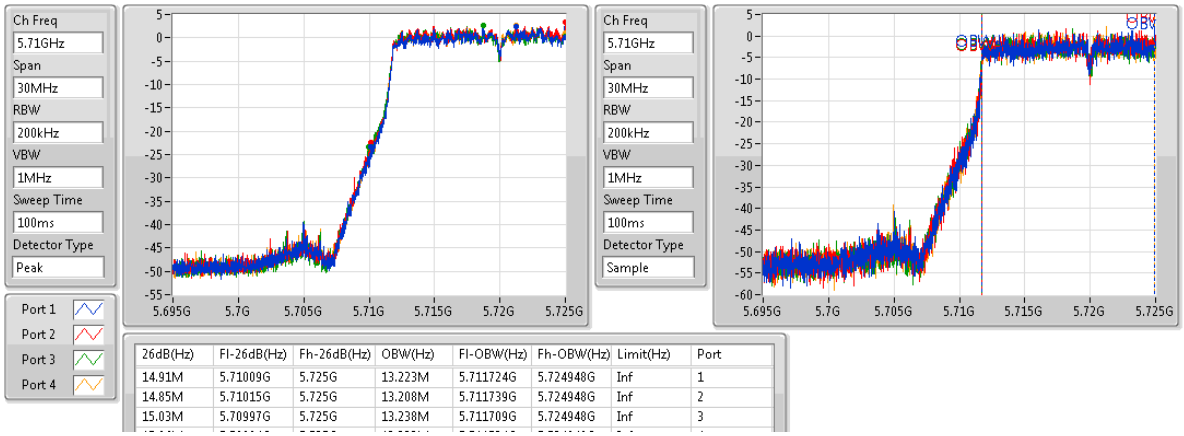
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.3M	5.690325G	5.709625G	16.392M	5.691779G	5.708171G	Inf	1
19.775M	5.690125G	5.7099G	16.417M	5.691754G	5.708171G	Inf	2
19.725M	5.6899G	5.709625G	16.417M	5.691754G	5.708171G	Inf	3

802.11a_(6Mbps)_4TX **EBW**

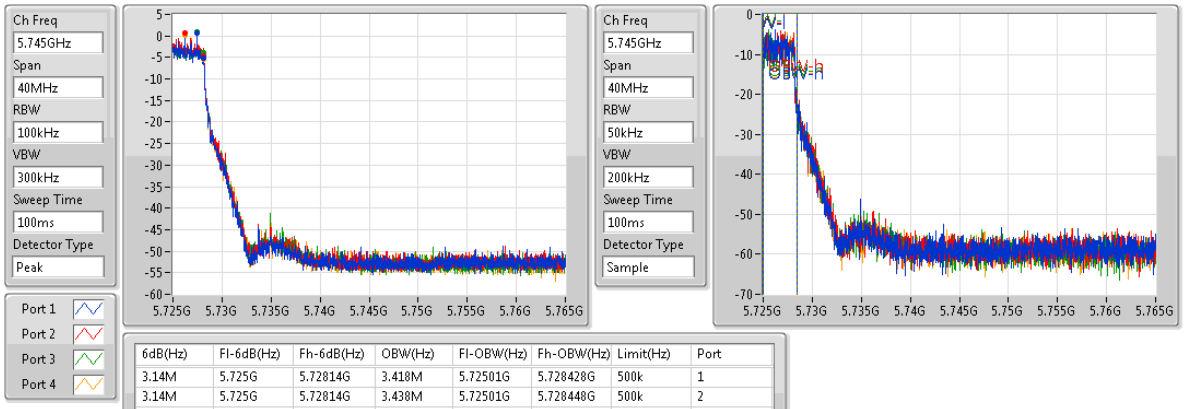
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.91M	5.71009G	5.725G	13.223M	5.711724G	5.724948G	Inf	1
14.85M	5.71015G	5.725G	13.208M	5.711739G	5.724948G	Inf	2
15.03M	5.70997G	5.725G	13.238M	5.711709G	5.724948G	Inf	3

802.11a_(6Mbps)_4TX **EBW**

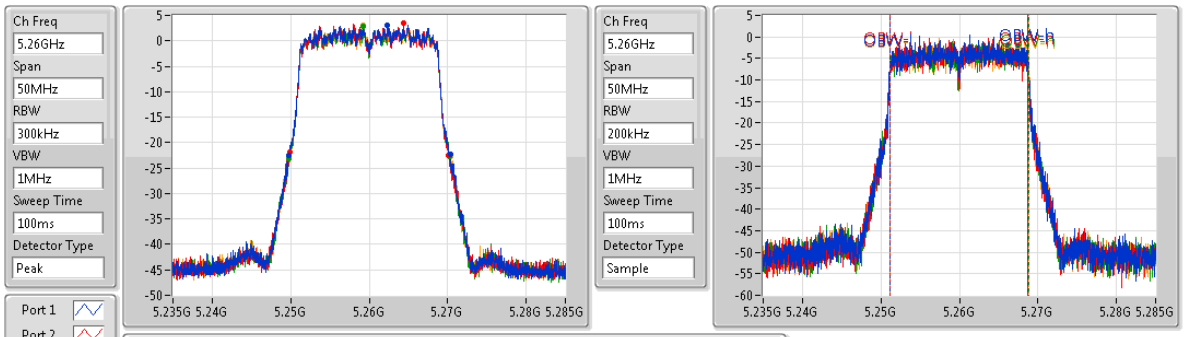
5720MHz Straddle 5.725-5.85GHz



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	3.418M	5.72501G	5.728428G	500k	1
3.14M	5.725G	5.72814G	3.438M	5.72501G	5.728448G	500k	2
3.12M	5.725G	5.72812G	3.438M	5.72501G	5.728448G	500k	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

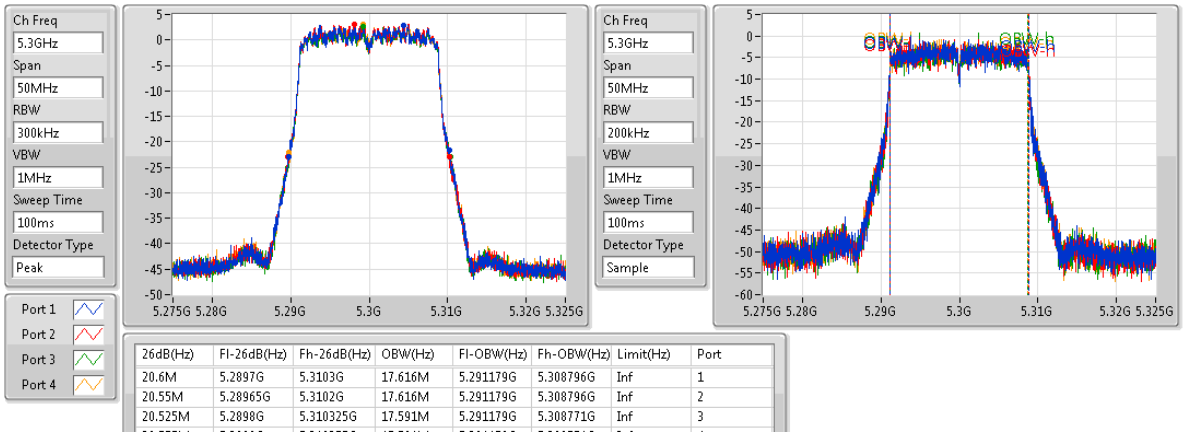
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.55M	5.249775G	5.270325G	17.616M	5.251154G	5.268771G	Inf	1
20.275M	5.249875G	5.27015G	17.591M	5.251179G	5.268771G	Inf	2
20.5M	5.2498G	5.2703G	17.616M	5.251179G	5.268796G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

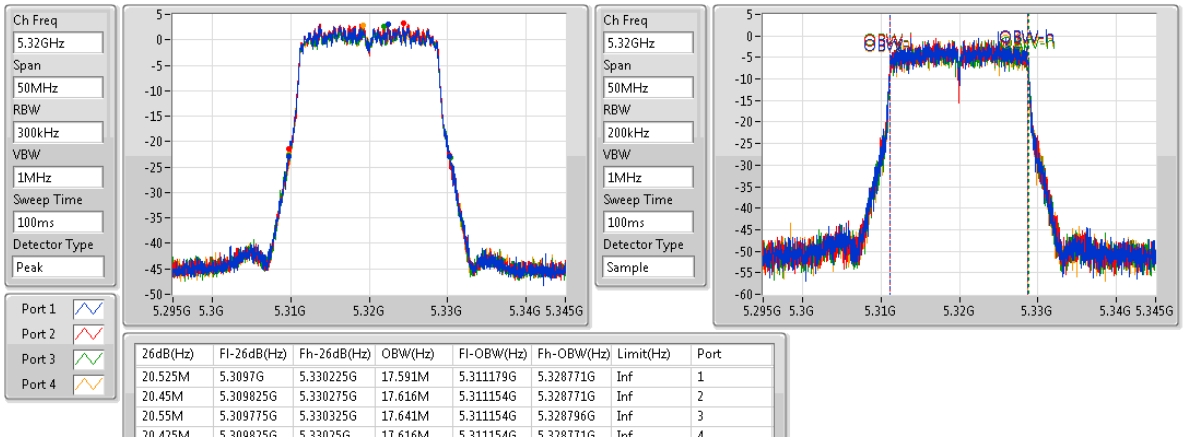
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.6M	5.2897G	5.3103G	17.616M	5.291179G	5.308796G	Inf	1
20.55M	5.28965G	5.3102G	17.616M	5.291179G	5.308796G	Inf	2
20.525M	5.2898G	5.310325G	17.591M	5.291179G	5.308771G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

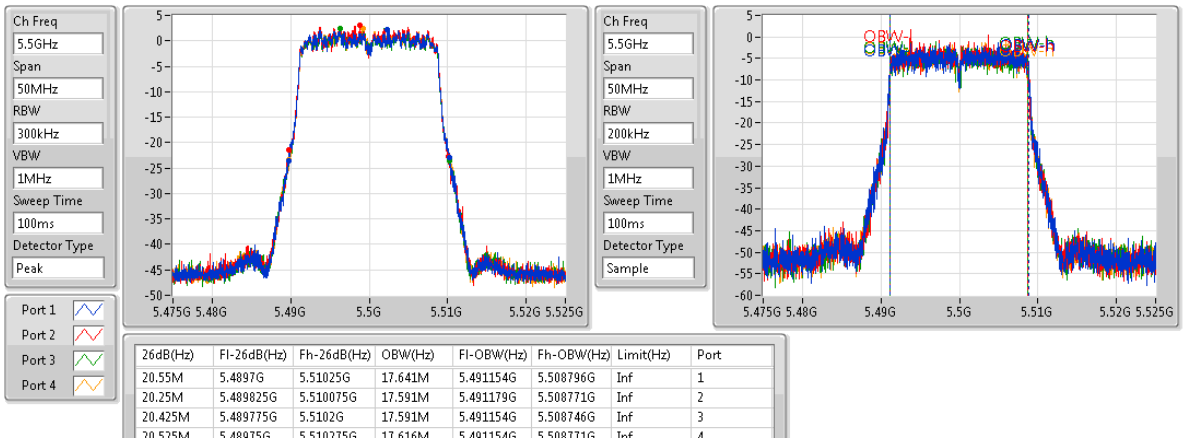
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.525M	5.3097G	5.330225G	17.591M	5.311179G	5.328771G	Inf	1
20.45M	5.309825G	5.330275G	17.616M	5.311154G	5.328771G	Inf	2
20.55M	5.309775G	5.330325G	17.641M	5.311154G	5.328796G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

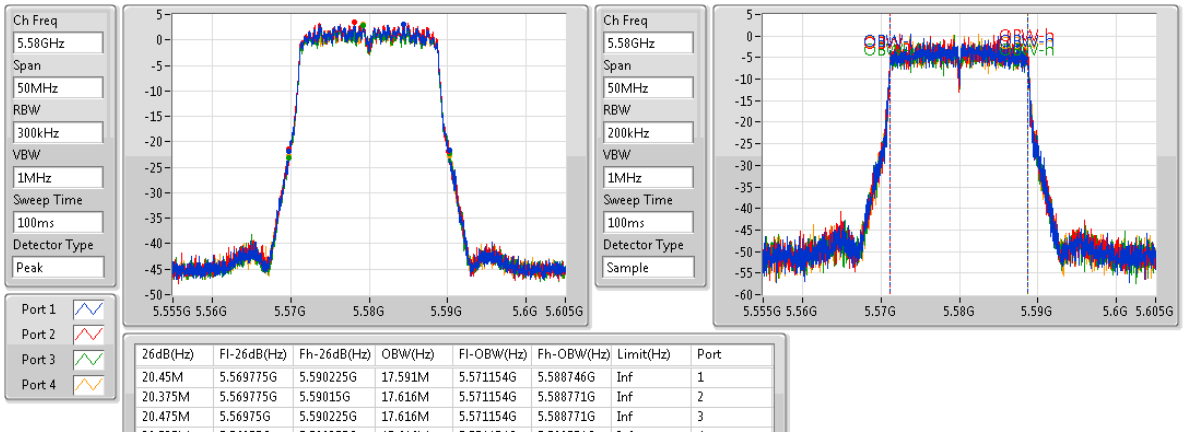
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.55M	5.4897G	5.51025G	17.641M	5.491154G	5.508796G	Inf	1
20.25M	5.489825G	5.510075G	17.591M	5.491179G	5.508771G	Inf	2
20.425M	5.489775G	5.5102G	17.591M	5.491154G	5.508746G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

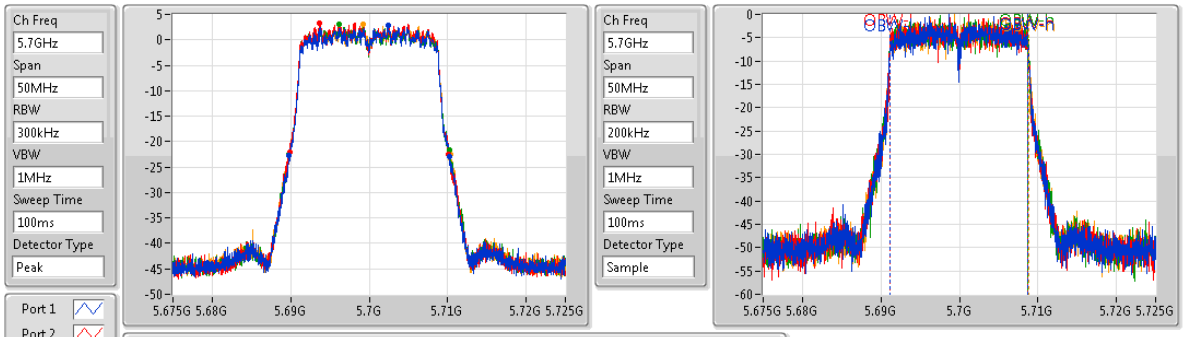
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.45M	5.569775G	5.590225G	17.591M	5.571154G	5.588746G	Inf	1
20.375M	5.569775G	5.59015G	17.616M	5.571154G	5.588771G	Inf	2
20.475M	5.56975G	5.590225G	17.616M	5.571154G	5.588771G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

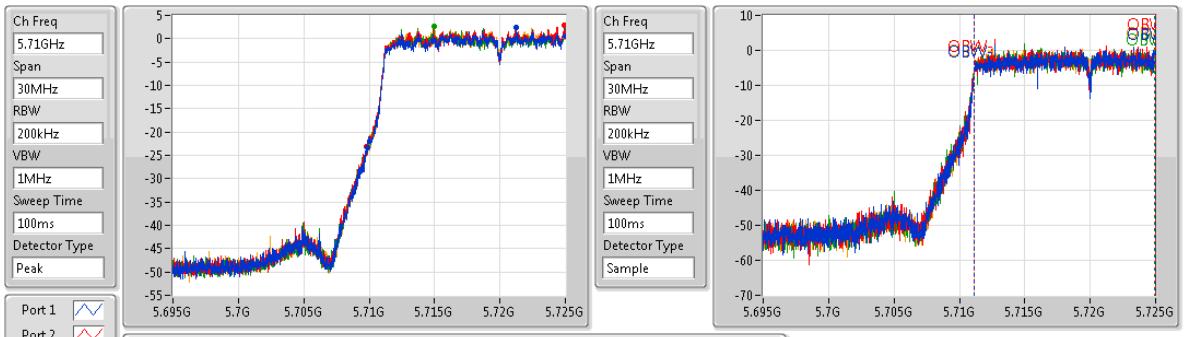
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.475M	5.68975G	5.710225G	17.616M	5.691154G	5.708771G	Inf	1
20.3M	5.68985G	5.71015G	17.591M	5.691154G	5.708746G	Inf	2
20.425M	5.689775G	5.7102G	17.616M	5.691154G	5.708771G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

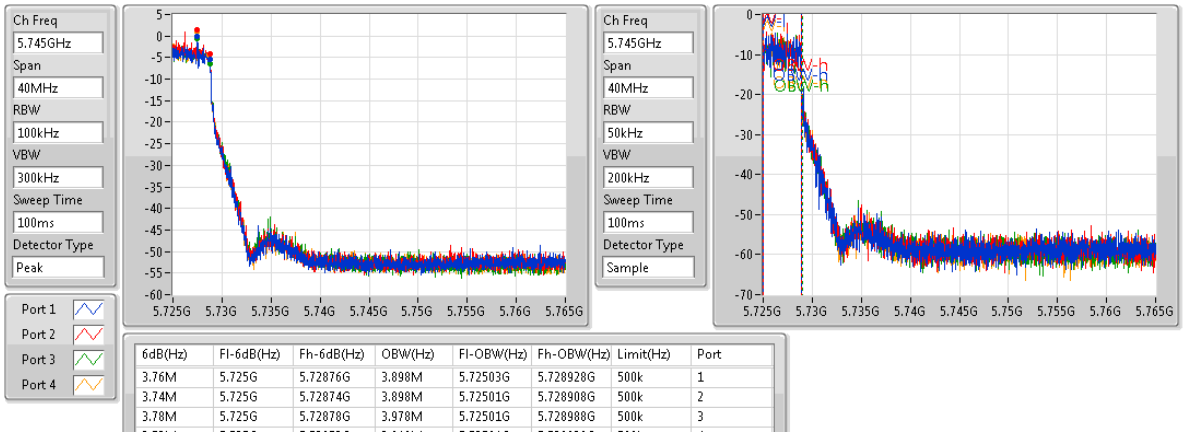
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.15M	5.70985G	5.725G	13.823M	5.711139G	5.724963G	Inf	1
15.18M	5.70982G	5.725G	13.838M	5.711124G	5.724963G	Inf	2
15.105M	5.709895G	5.725G	13.808M	5.711109G	5.724918G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_4TX **EBW**

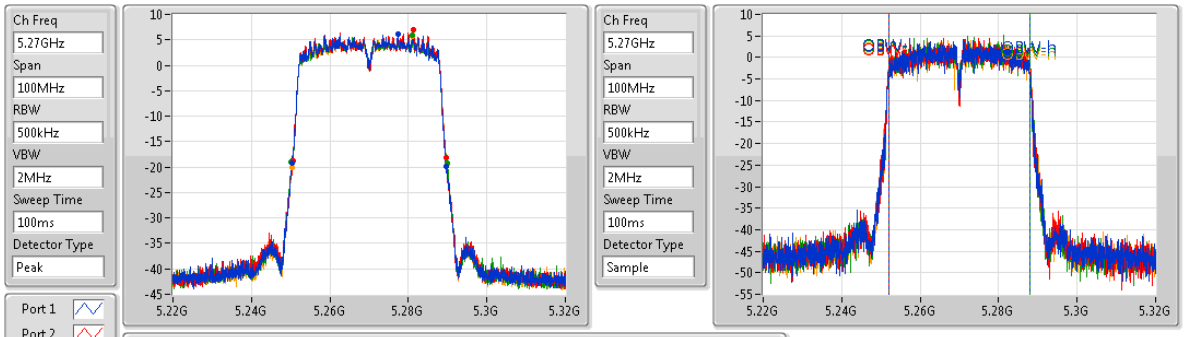
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.76M	5.725G	5.72876G	3.898M	5.72503G	5.728928G	500k	1
3.74M	5.725G	5.72874G	3.898M	5.72501G	5.728908G	500k	2
3.78M	5.725G	5.72878G	3.978M	5.72501G	5.728988G	500k	3

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

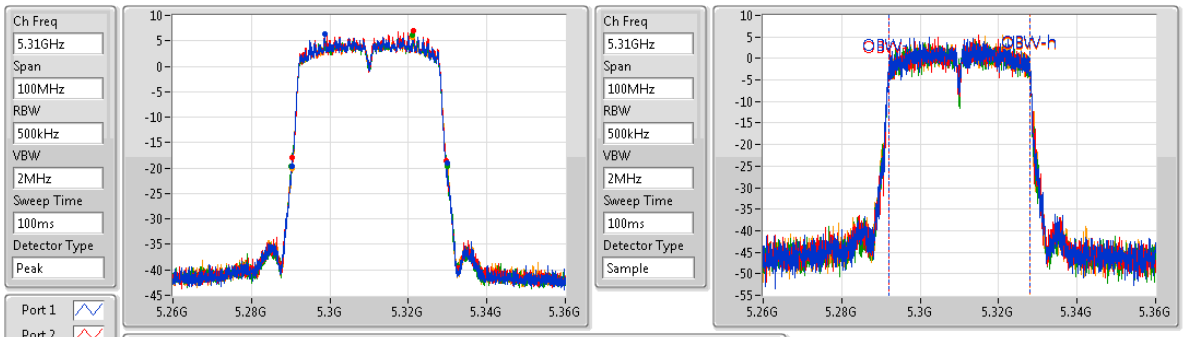
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.25M	5.25035G	5.2896G	35.882M	5.252009G	5.287891G	Inf	1
39.1M	5.25055G	5.28965G	35.932M	5.252059G	5.287991G	Inf	2
39.8M	5.2501G	5.2899G	35.932M	5.252009G	5.287941G	Inf	3

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

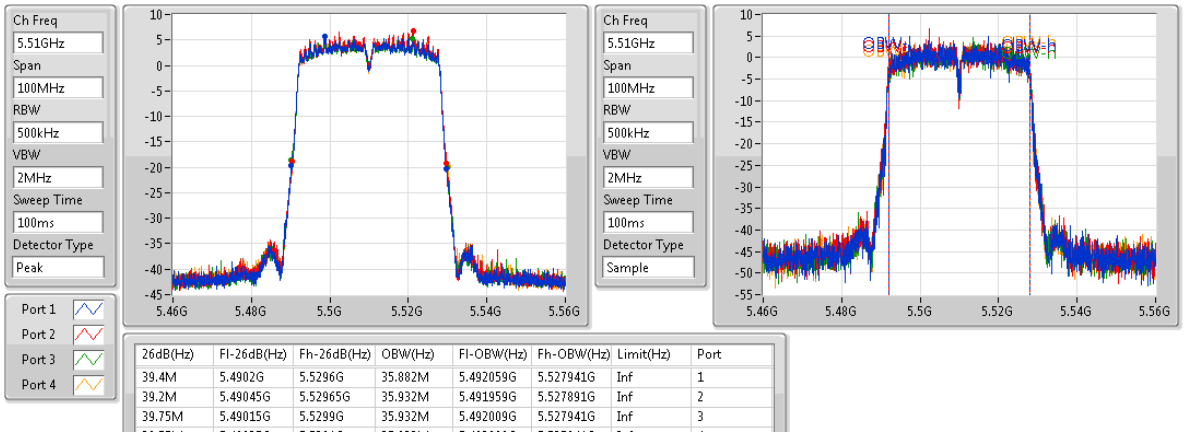
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.65M	5.29025G	5.3299G	35.932M	5.292009G	5.327941G	Inf	1
39.15M	5.29045G	5.3296G	35.932M	5.292009G	5.327941G	Inf	2
39.9M	5.29005G	5.32995G	35.982M	5.291959G	5.327941G	Inf	3

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

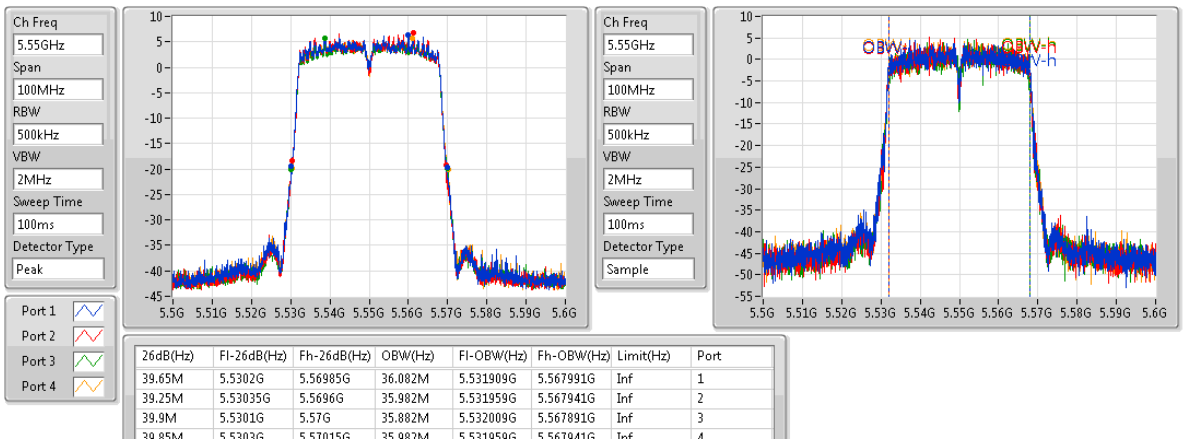
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.4M	5.4902G	5.5296G	35.882M	5.492059G	5.527941G	Inf	1
39.2M	5.49045G	5.52965G	35.932M	5.491959G	5.527891G	Inf	2
39.75M	5.49015G	5.5299G	35.932M	5.492009G	5.527941G	Inf	3

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

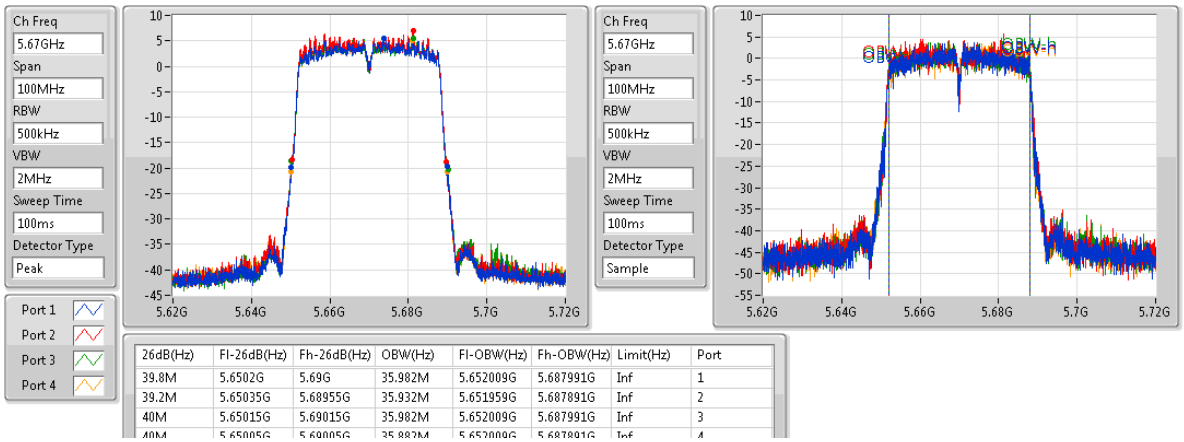
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.65M	5.5302G	5.56985G	36.082M	5.531909G	5.567991G	Inf	1
39.25M	5.53035G	5.5696G	35.982M	5.531959G	5.567941G	Inf	2
39.9M	5.5301G	5.57G	35.882M	5.532009G	5.567891G	Inf	3

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

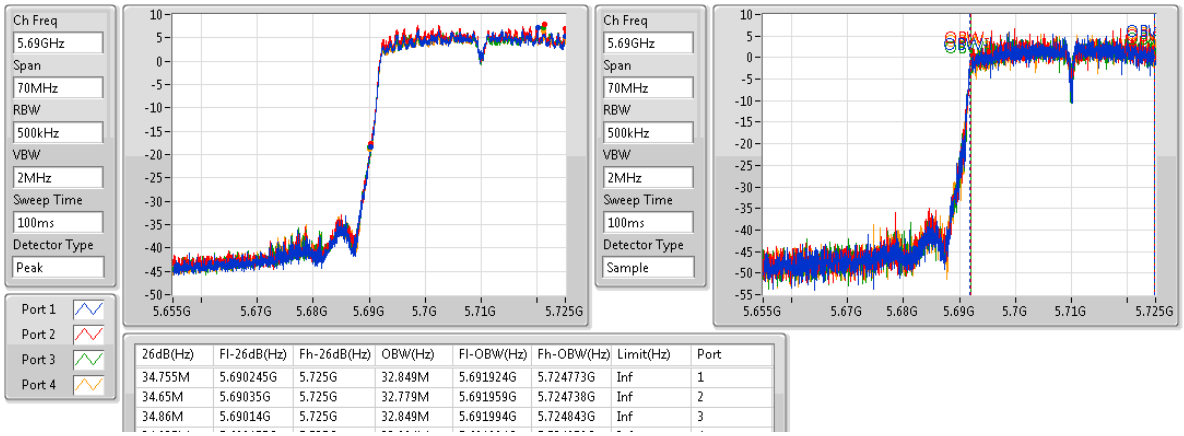
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.8M	5.6502G	5.69G	35.982M	5.652009G	5.687991G	Inf	1
39.2M	5.65035G	5.68955G	35.932M	5.651959G	5.687891G	Inf	2
40M	5.65015G	5.69015G	35.982M	5.652009G	5.687991G	Inf	3

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

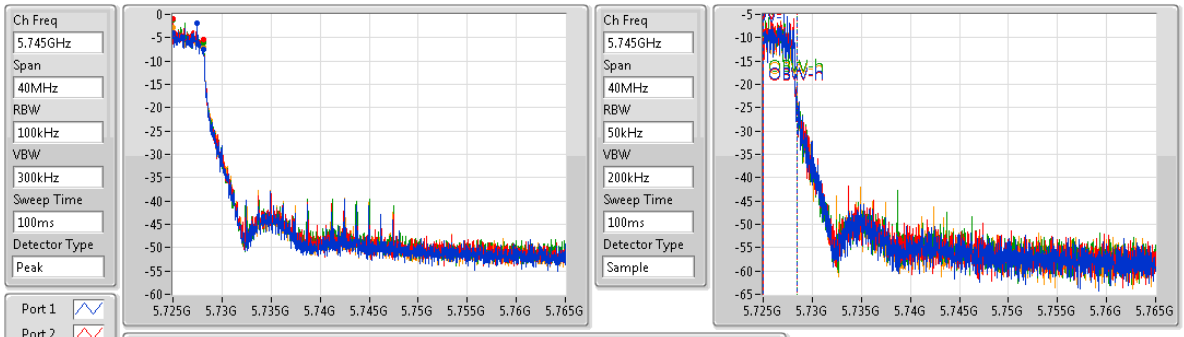
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.755M	5.690245G	5.725G	32.849M	5.691924G	5.724773G	Inf	1
34.65M	5.69035G	5.725G	32.779M	5.691959G	5.724738G	Inf	2
34.86M	5.69014G	5.725G	32.849M	5.691994G	5.724843G	Inf	3

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

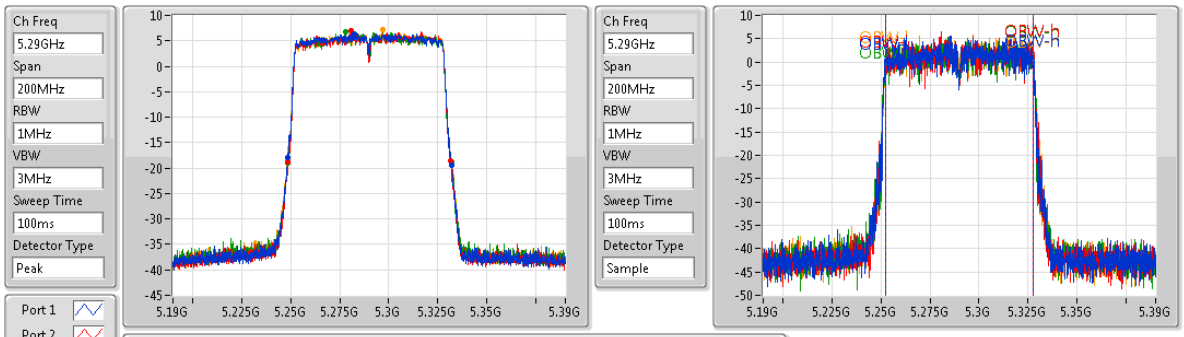
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	3.478M	5.72501G	5.728488G	500k	1
3.12M	5.725G	5.72812G	3.438M	5.72501G	5.728448G	500k	2
3.12M	5.725G	5.72812G	3.458M	5.72501G	5.728468G	500k	3

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

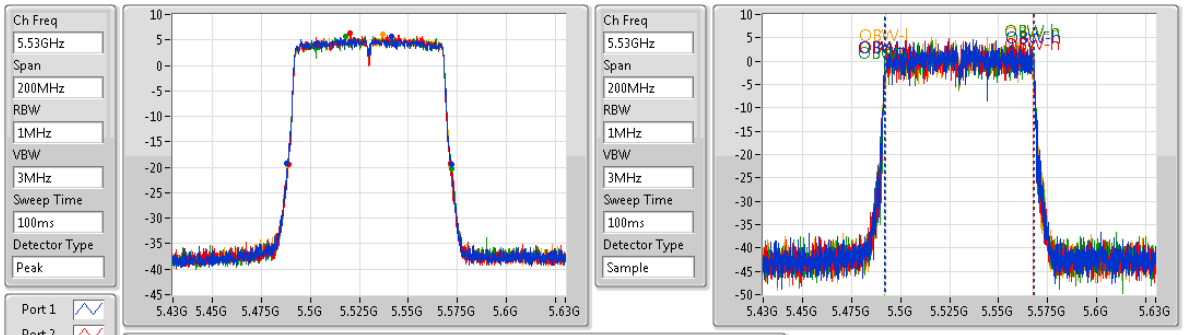
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.6M	5.2483G	5.3319G	75.662M	5.252119G	5.327781G	Inf	1
83M	5.2485G	5.3315G	75.762M	5.252119G	5.327881G	Inf	2
83.2M	5.2486G	5.3318G	75.662M	5.252219G	5.327881G	Inf	3

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

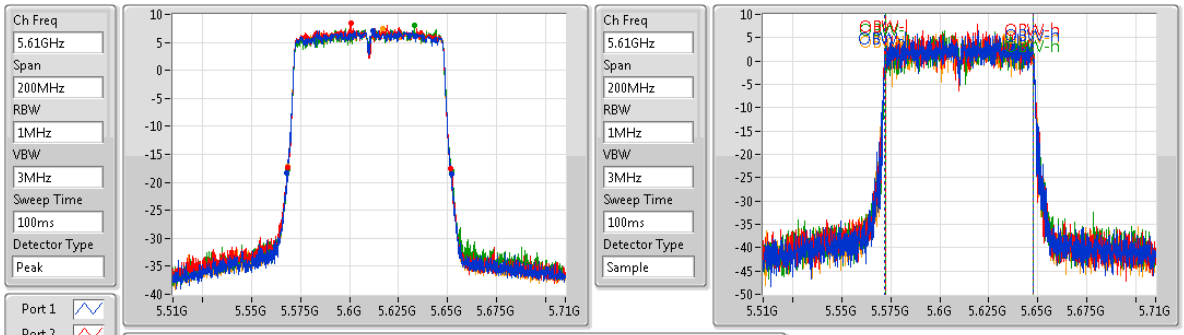
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.8M	5.4882G	5.572G	75.962M	5.492019G	5.567981G	Inf	1
82.6M	5.4888G	5.5714G	75.662M	5.492119G	5.567781G	Inf	2
83.4M	5.4885G	5.5719G	75.762M	5.492019G	5.567781G	Inf	3

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

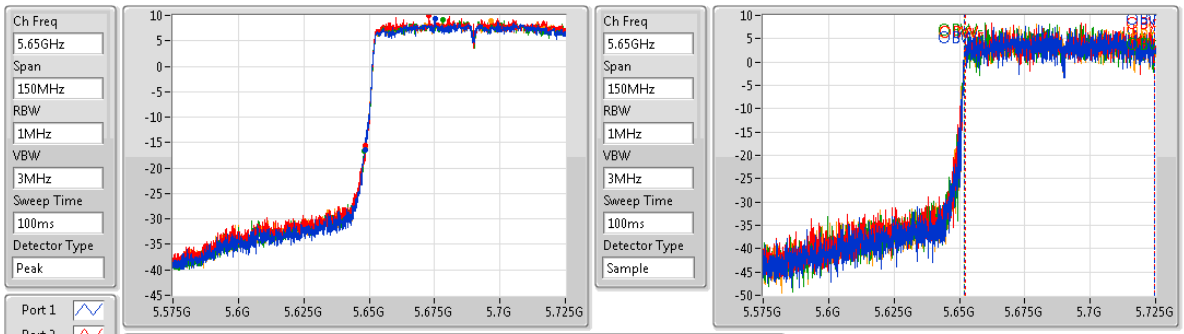
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.8M	5.5681G	5.6519G	75.762M	5.572019G	5.647781G	Inf	1
82.9M	5.5685G	5.6514G	75.662M	5.572119G	5.647781G	Inf	2
83.5M	5.5686G	5.6521G	75.762M	5.572119G	5.647881G	Inf	3

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

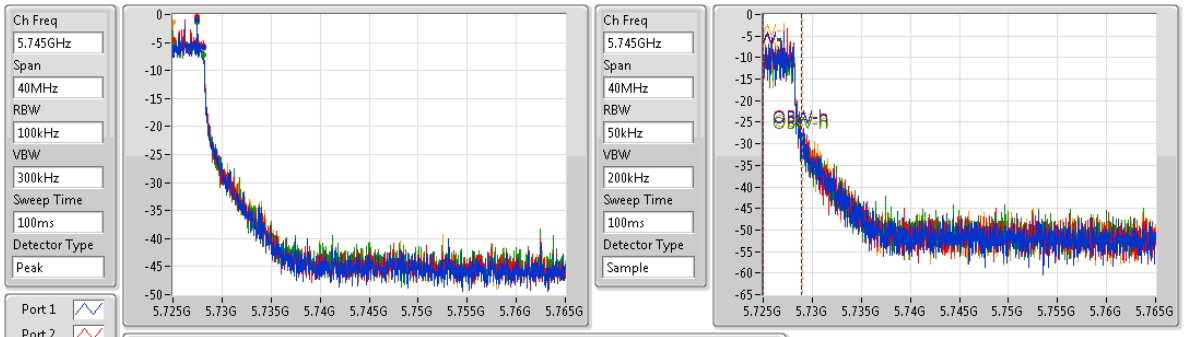
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.65M	5.64835G	5.725G	72.564M	5.652024G	5.724588G	Inf	1
76.575M	5.648425G	5.725G	72.489M	5.652099G	5.724588G	Inf	2
76.95M	5.64805G	5.725G	72.489M	5.652024G	5.724513G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_4TX **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
3.12M	5.725G	5.72812G	3.918M	5.72501G	5.728928G	500k	1
3.12M	5.725G	5.72812G	3.858M	5.72503G	5.728888G	500k	2
3.14M	5.725G	5.72814G	3.938M	5.72501G	5.728948G	500k	3

11a, VHT20, VHT40 and VHT80
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_4TX	-	-	-	-
5.25-5.35GHz	19.44	0.08790	25.04	0.31915
5.47-5.725GHz	19.47	0.08851	25.07	0.32137
5.725-5.85GHz	11.73	0.01489	17.33	0.05408
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-
5.25-5.35GHz	19.27	0.08453	24.87	0.30690
5.47-5.725GHz	19.28	0.08472	24.88	0.30761
5.725-5.85GHz	11.87	0.01538	17.47	0.05585
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-
5.25-5.35GHz	22.45	0.17579	28.05	0.63826
5.47-5.725GHz	22.39	0.17338	27.99	0.62951
5.725-5.85GHz	10.05	0.01012	15.65	0.03673
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-
5.25-5.35GHz	23.36	0.21677	28.96	0.78705
5.47-5.725GHz	23.89	0.24491	29.49	0.88920
5.725-5.85GHz	9.88	0.00973	15.48	0.03532

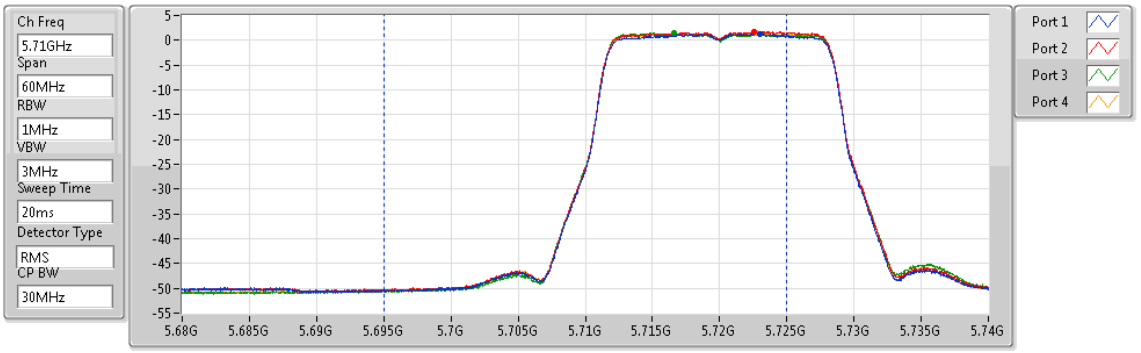
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.60	13.41	13.37	13.29	13.22	19.34	23.86	24.94	29.86
5300MHz	Pass	5.60	13.46	13.41	13.36	13.39	19.43	23.92	25.03	29.92
5320MHz	Pass	5.60	13.48	13.55	13.25	13.38	19.44	23.88	25.04	29.88
5500MHz	Pass	5.60	13.26	13.36	13.31	13.34	19.34	23.88	24.94	29.88
5580MHz	Pass	5.60	13.52	13.73	13.21	13.32	19.47	23.90	25.07	29.90
5700MHz	Pass	5.60	13.19	13.38	13.42	13.35	19.36	23.86	24.96	29.86
5720MHz Straddle 5.47-5.725GHz	Pass	5.60	11.72	12.16	11.91	11.94	17.96	22.72	23.56	28.72
5720MHz Straddle 5.725-5.85GHz	Pass	5.60	5.36	6.07	5.65	5.76	11.73	30.00	17.33	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	5.60	13.27	13.14	13.06	13.03	19.15	23.98	24.75	30.00
5300MHz	Pass	5.60	13.35	13.32	13.09	13.21	19.26	23.98	24.86	30.00
5320MHz	Pass	5.60	13.31	13.45	13.07	13.15	19.27	23.98	24.87	30.00
5500MHz	Pass	5.60	13.05	13.24	13.02	13.11	19.13	23.98	24.73	30.00
5580MHz	Pass	5.60	13.32	13.52	13.01	13.18	19.28	23.98	24.88	30.00
5700MHz	Pass	5.60	12.87	13.25	13.15	13.12	19.12	23.98	24.72	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.60	11.39	11.85	11.55	11.56	17.61	22.78	23.21	28.78
5720MHz Straddle 5.725-5.85GHz	Pass	5.60	5.49	6.24	5.79	5.84	11.87	30.00	17.47	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	5.60	16.34	16.27	16.37	16.21	22.32	23.98	27.92	30.00
5310MHz	Pass	5.60	16.45	16.43	16.36	16.49	22.45	23.98	28.05	30.00
5510MHz	Pass	5.60	16.08	16.31	16.06	16.35	22.22	23.98	27.82	30.00
5550MHz	Pass	5.60	16.47	16.36	16.22	16.43	22.39	23.98	27.99	30.00
5670MHz	Pass	5.60	16.07	16.41	16.26	16.33	22.29	23.98	27.89	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.60	15.17	15.59	15.32	15.26	21.36	23.98	26.96	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.60	3.73	4.13	4.24	4.00	10.05	30.00	15.65	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	5.60	17.46	17.25	17.22	17.42	23.36	23.98	28.96	30.00
5530MHz	Pass	5.60	16.28	16.32	16.25	16.51	22.36	23.98	27.96	30.00
5610MHz	Pass	5.60	17.72	17.97	17.84	17.73	23.84	23.98	29.44	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.60	17.63	18.12	17.79	17.94	23.89	23.98	29.49	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.60	3.66	4.16	3.52	4.06	9.88	30.00	15.48	36.00

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

802.11a_(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

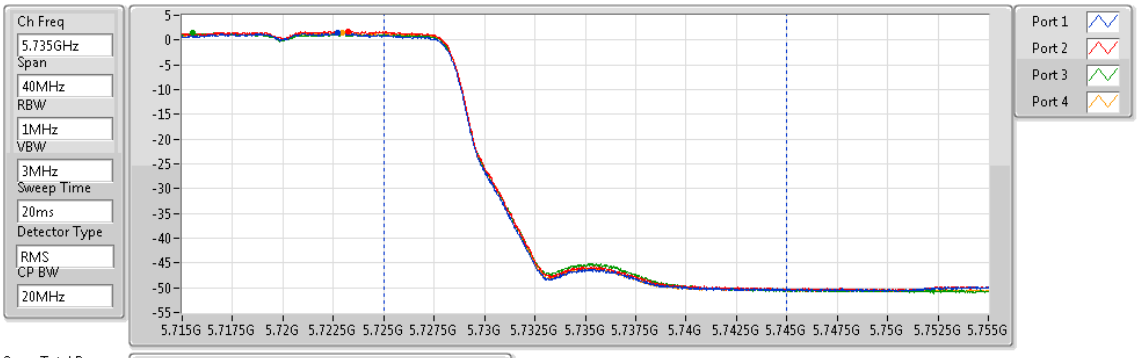


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.96	11.72	12.16	11.91	11.94

802.11a_(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz

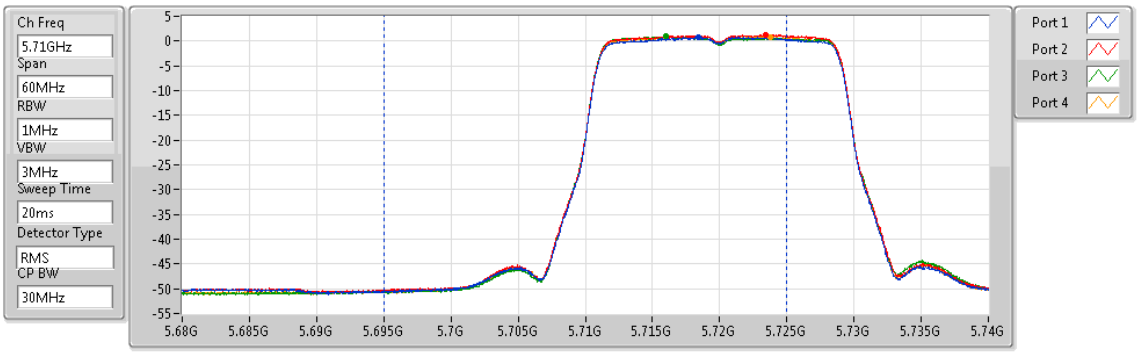


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.73	5.36	6.07	5.65	5.76

802.11ac VHT20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz

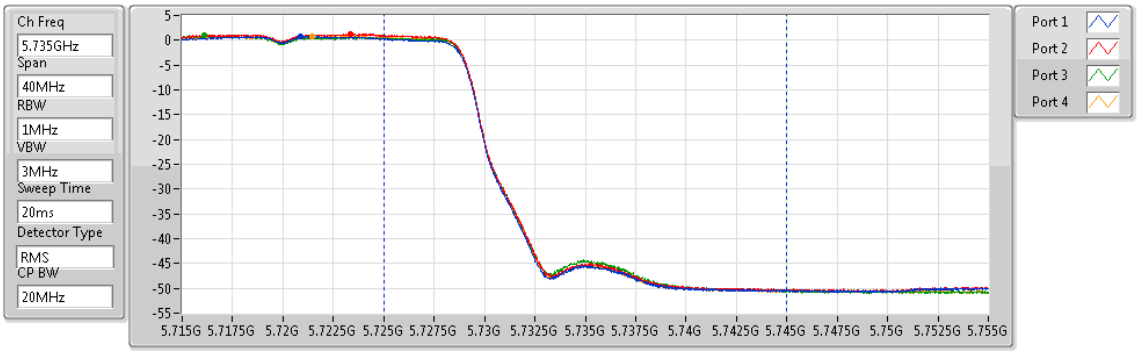


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.61	11.39	11.85	11.55	11.56

802.11ac VHT20_Nss1,(MCS0)_4TX — AV Power

5720MHz Straddle 5.725-5.85GHz

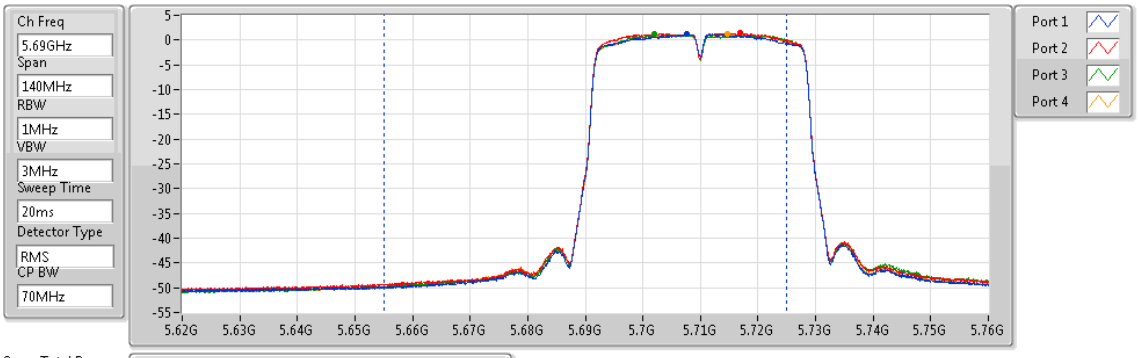


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.87	5.49	6.24	5.79	5.84

802.11ac VHT40_Nss1,(MCS0)_4TX — AV Power

5710MHz Straddle 5.47-5.725GHz

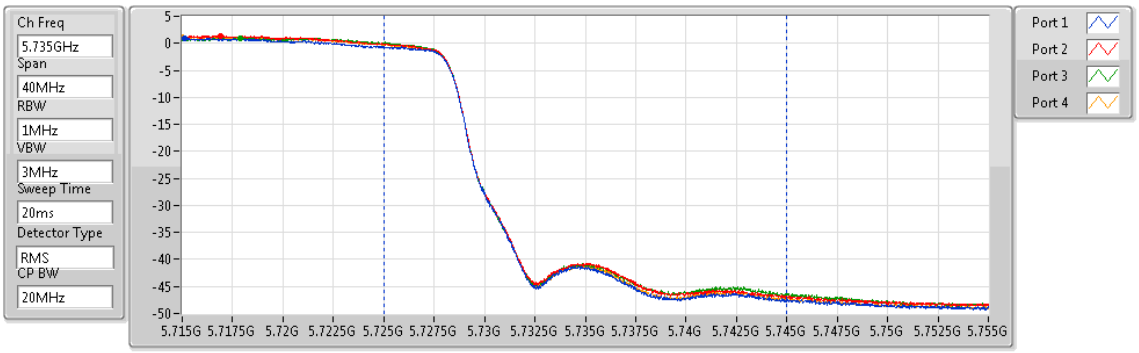


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.36	15.17	15.59	15.32	15.26

802.11ac VHT40_Nss1,(MCS0)_4TX — AV Power

5710MHz Straddle 5.725-5.85GHz

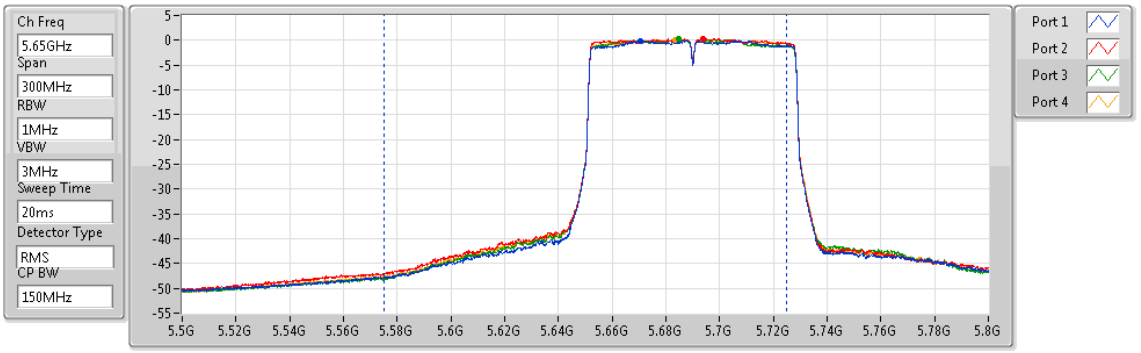


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.05	3.73	4.13	4.24	4.00

802.11ac VHT80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

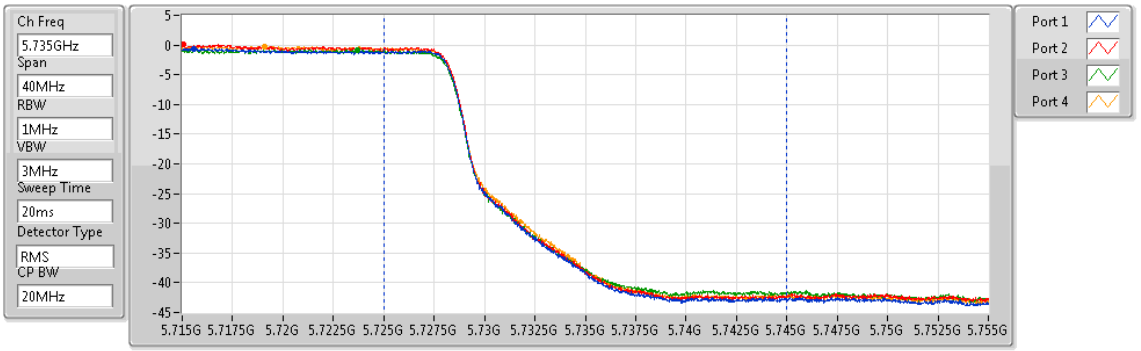


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.89	17.63	18.12	17.79	17.94

802.11ac VHT80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.88	3.66	4.16	3.52	4.06

11a, VHT20, VHT40 and VHT80
Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-
5.25-5.35GHz	6.12	16.96
5.47-5.725GHz	6.12	16.96
5.725-5.85GHz	4.46	15.30
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	6.03	16.87
5.47-5.725GHz	6.00	16.84
5.725-5.85GHz	4.18	15.02
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	6.10	16.94
5.47-5.725GHz	6.10	16.93
5.725-5.85GHz	3.83	14.67
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-
5.25-5.35GHz	4.13	14.97
5.47-5.725GHz	5.45	16.29
5.725-5.85GHz	3.68	14.51

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

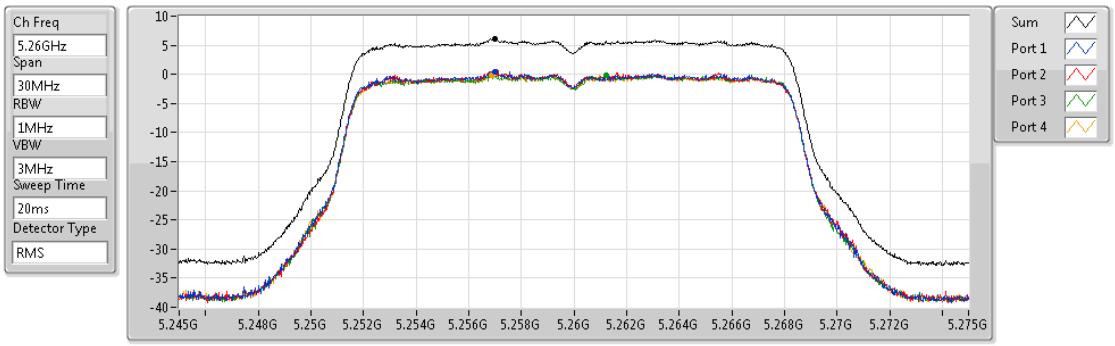
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5260MHz	Pass	10.84	0.51	0.44	-0.15	-0.14	6.05	6.16	16.89
5300MHz	Pass	10.84	0.52	0.52	-0.04	0.26	6.11	6.16	16.95
5320MHz	Pass	10.84	0.35	0.62	-0.02	-0.00	6.12	6.16	16.96
5500MHz	Pass	10.84	0.30	0.53	-0.04	0.05	6.01	6.16	16.85
5580MHz	Pass	10.84	0.29	0.82	-0.10	-0.09	6.12	6.16	16.96
5700MHz	Pass	10.84	0.29	0.38	0.08	0.07	6.04	6.16	16.88
5720MHz Straddle 5.47-5.725GHz	Pass	10.84	0.11	0.59	0.06	0.15	6.00	6.16	16.84
5720MHz Straddle 5.725-5.85GHz	Pass	10.84	-1.93	-0.42	-1.43	-1.75	4.46	25.16	15.30
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5260MHz	Pass	10.84	0.29	0.54	-0.02	-0.06	5.82	6.16	16.66
5300MHz	Pass	10.84	0.56	0.48	-0.18	0.40	5.99	6.16	16.83
5320MHz	Pass	10.84	0.47	0.84	-0.01	0.01	6.03	6.16	16.87
5500MHz	Pass	10.84	0.15	0.66	-0.04	0.02	5.86	6.16	16.70
5580MHz	Pass	10.84	0.39	0.76	-0.07	0.17	6.00	6.16	16.84
5700MHz	Pass	10.84	-0.11	0.74	0.20	0.21	5.83	6.16	16.67
5720MHz Straddle 5.47-5.725GHz	Pass	10.84	0.11	0.47	0.06	0.17	5.79	6.16	16.63
5720MHz Straddle 5.725-5.85GHz	Pass	10.84	-1.77	-0.97	-1.07	-1.80	4.18	25.16	15.02
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5270MHz	Pass	10.84	0.36	0.38	0.19	0.08	6.00	6.16	16.84
5310MHz	Pass	10.84	0.50	0.44	0.29	0.19	6.10	6.16	16.94
5510MHz	Pass	10.84	0.23	0.29	-0.10	0.12	5.92	6.16	16.76
5550MHz	Pass	10.84	0.71	0.27	0.02	0.43	6.09	6.16	16.93
5670MHz	Pass	10.84	0.51	0.43	0.26	0.09	6.03	6.16	16.87
5710MHz Straddle 5.47-5.725GHz	Pass	10.84	0.46	0.67	0.19	0.25	6.10	6.16	16.93
5710MHz Straddle 5.725-5.85GHz	Pass	10.84	-2.56	-1.58	-1.44	-2.22	3.83	25.16	14.67
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5290MHz	Pass	10.84	-1.59	-1.64	-1.86	-1.52	4.13	6.16	14.97
5530MHz	Pass	10.84	-2.46	-2.34	-2.60	-2.45	3.24	6.16	14.08
5610MHz	Pass	10.84	-1.13	-0.60	-1.18	-1.32	4.72	6.16	15.56
5690MHz Straddle 5.47-5.725GHz	Pass	10.84	-0.54	0.16	-0.44	-0.45	5.45	6.16	16.29
5690MHz Straddle 5.725-5.85GHz	Pass	10.84	-1.85	-1.63	-2.49	-2.17	3.68	25.16	14.51

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)_4TX **PSD**

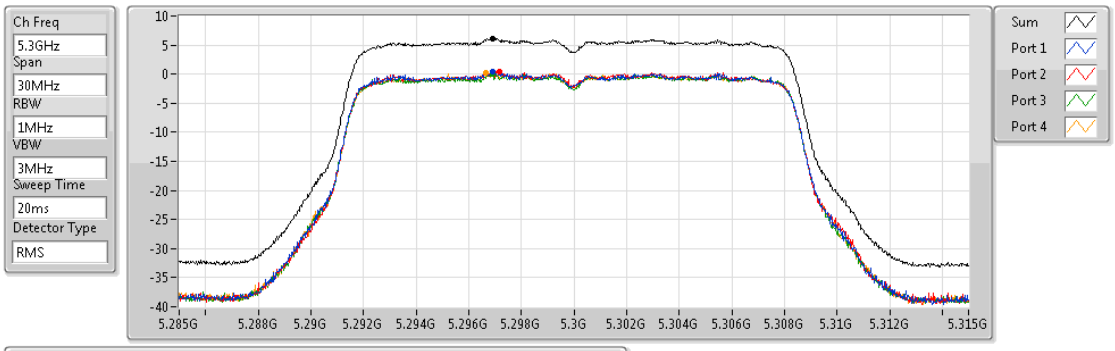
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.05	6.05	0.51	0.44	-0.15	-0.14

802.11a_(6Mbps)_4TX **PSD**

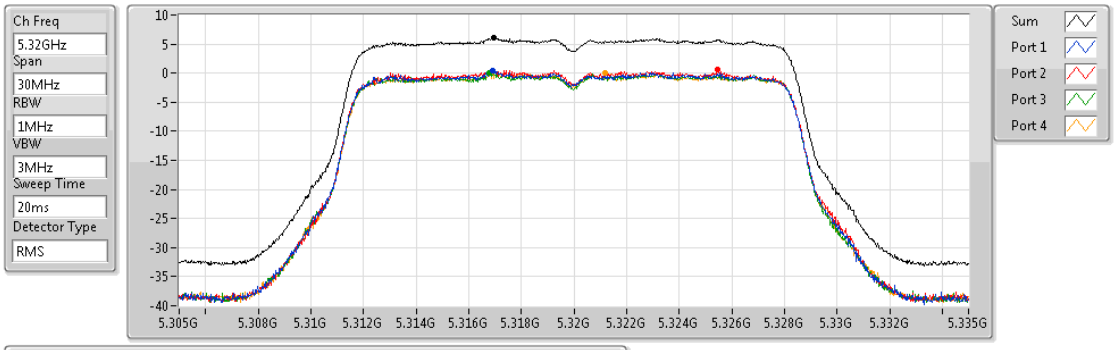
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.11	6.11	0.52	0.52	-0.04	0.26

802.11a_(6Mbps)_4TX **PSD**

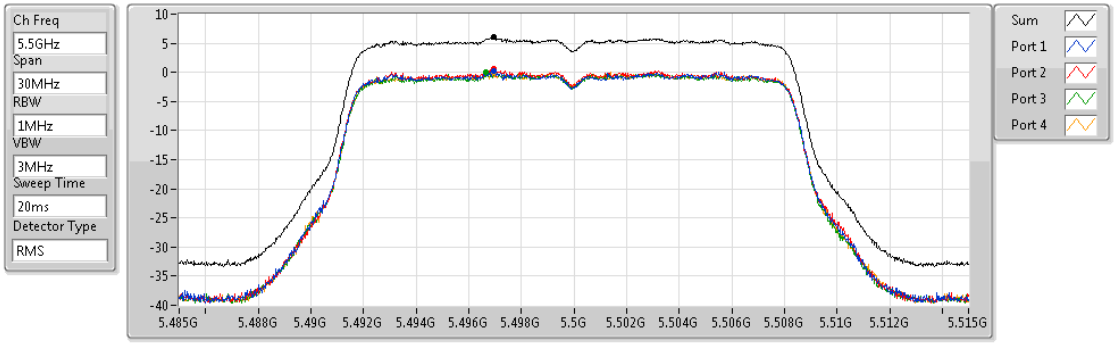
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.12	6.12	0.35	0.62	-0.02	-0.00

802.11a_(6Mbps)_4TX **PSD**

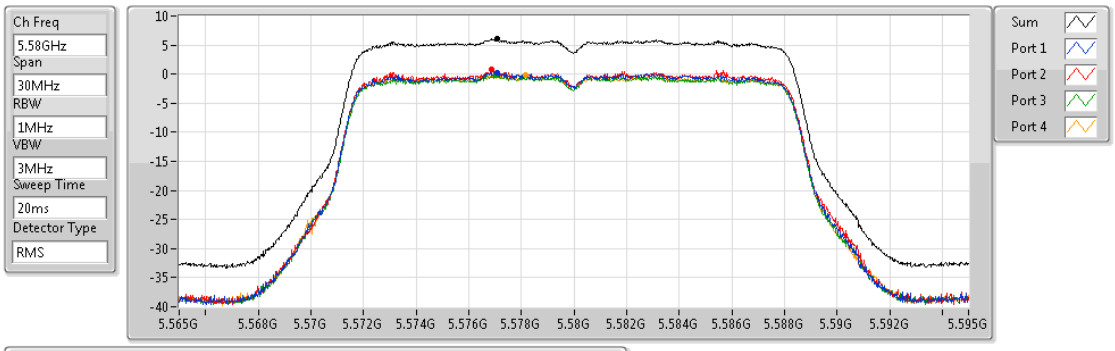
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.01	6.01	0.30	0.53	-0.04	0.05

802.11a_(6Mbps)_4TX **PSD**

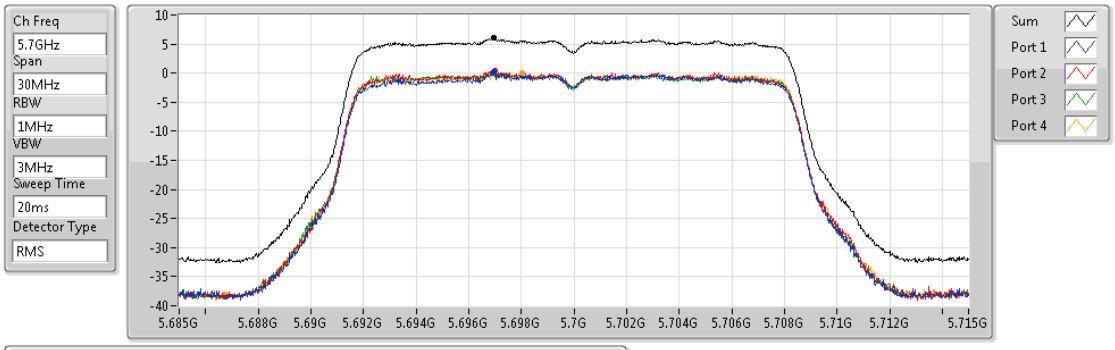
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.12	6.12	0.29	0.82	-0.10	-0.09

802.11a_(6Mbps)_4TX **PSD**

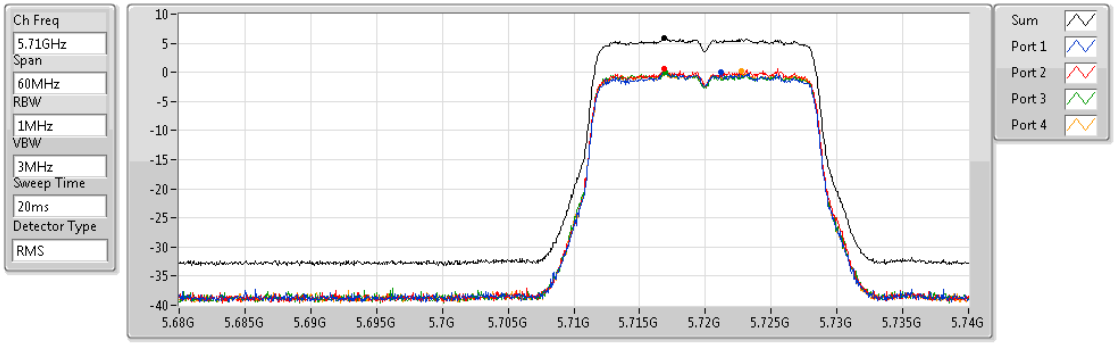
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.04	6.04	0.29	0.38	0.08	0.07

802.11a_(6Mbps)_4TX PSD

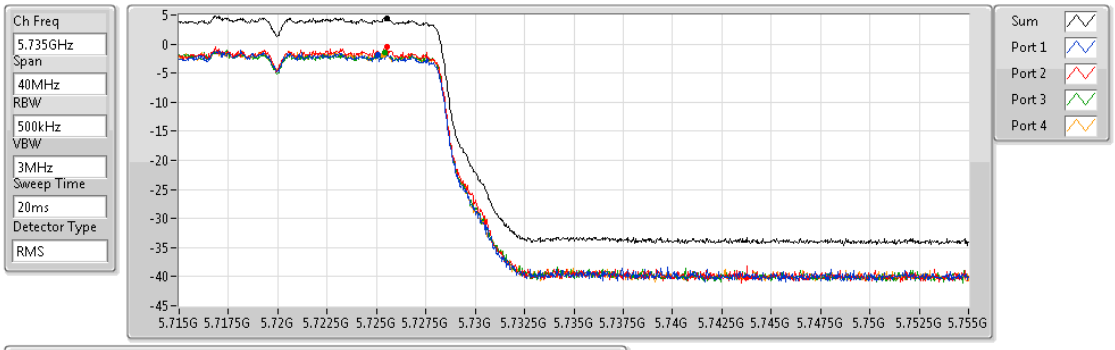
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.00	6.00	0.11	0.59	0.06	0.15

802.11a_(6Mbps)_4TX PSD

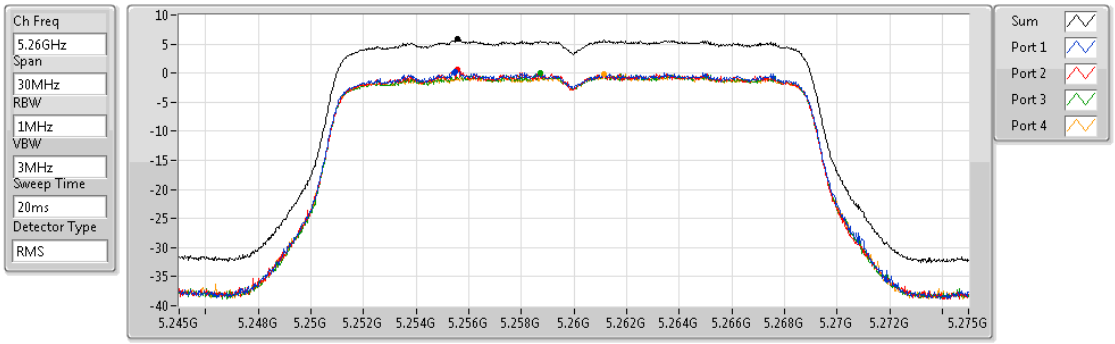
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.46	4.46	-1.93	-0.42	-1.43	-1.75

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

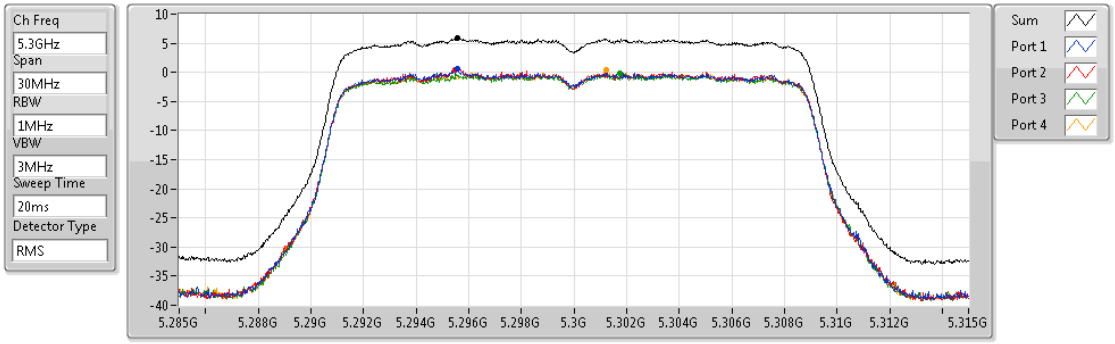
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.82	5.82	0.29	0.54	-0.02	-0.06

802.11ac VHT20_Nss1,(MCS0)_4TX **PSD**

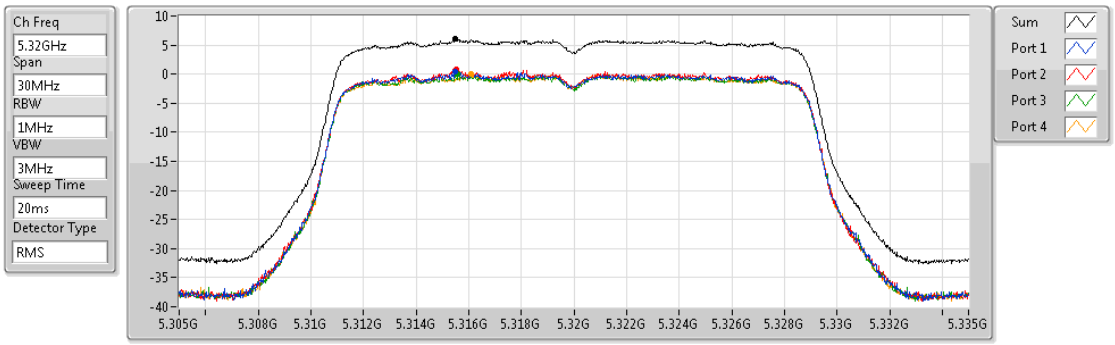
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.99	5.99	0.56	0.48	-0.18	0.40

802.11ac VHT20_Nss1,(MCS0)_4TX **PSD**

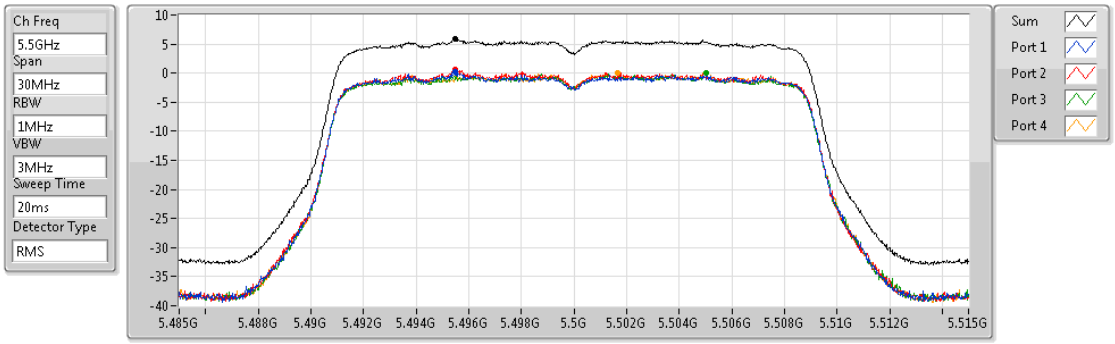
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.03	6.03	0.47	0.84	-0.01	0.01

802.11ac VHT20_Nss1,(MCS0)_4TX **PSD**

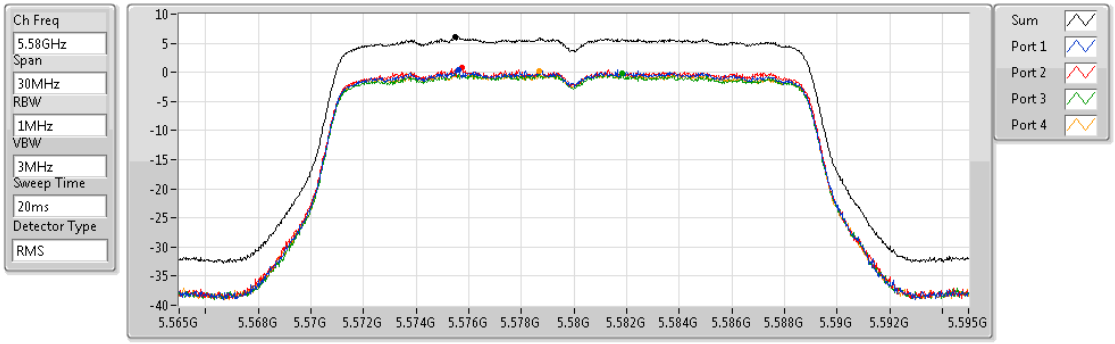
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.86	5.86	0.15	0.66	-0.04	0.02

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

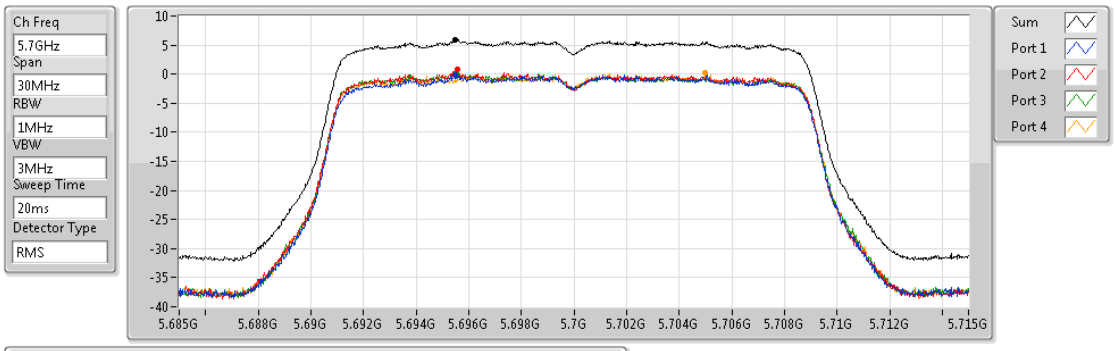
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.00	6.00	0.39	0.76	-0.07	0.17

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

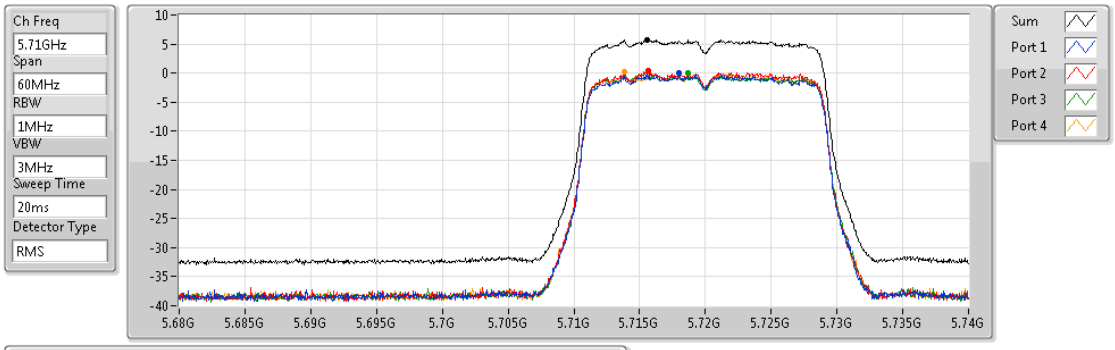
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.83	5.83	-0.11	0.74	0.20	0.21

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

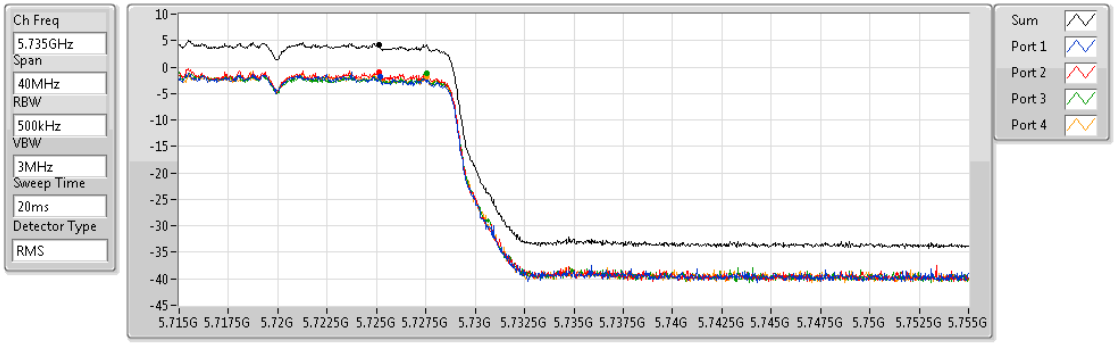
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.79	5.79	0.11	0.47	0.06	0.17

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

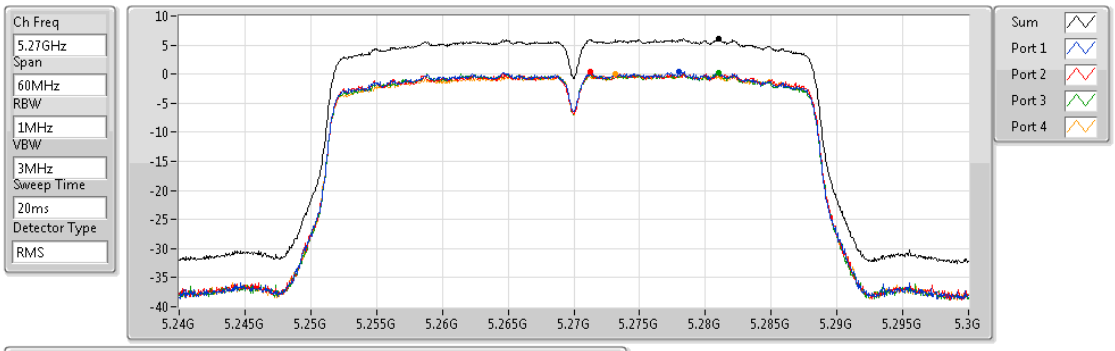
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.18	4.18	-1.77	-0.97	-1.07	-1.80

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

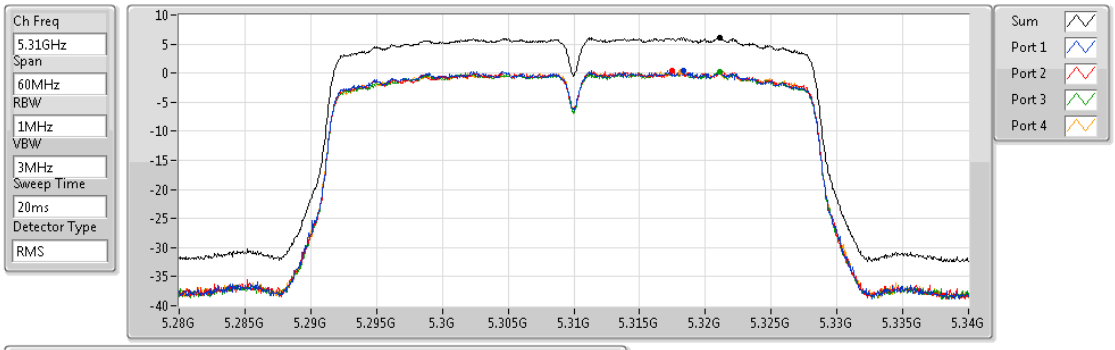
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.00	6.00	0.36	0.38	0.19	0.08

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

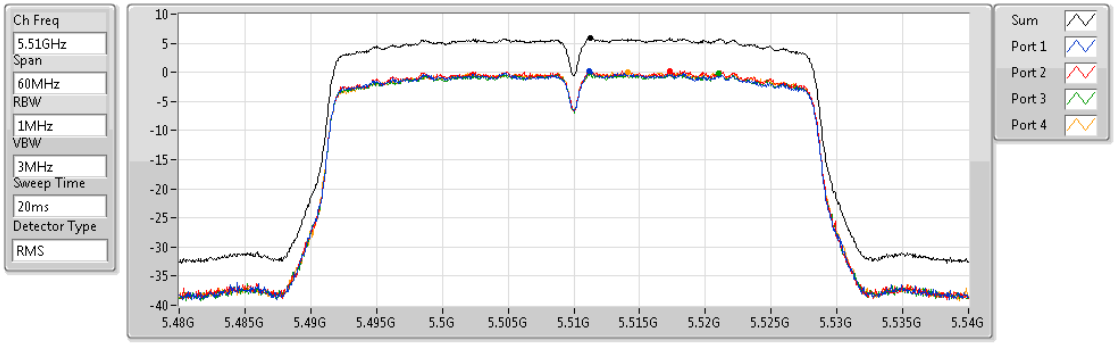
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.10	6.10	0.50	0.44	0.29	0.19

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

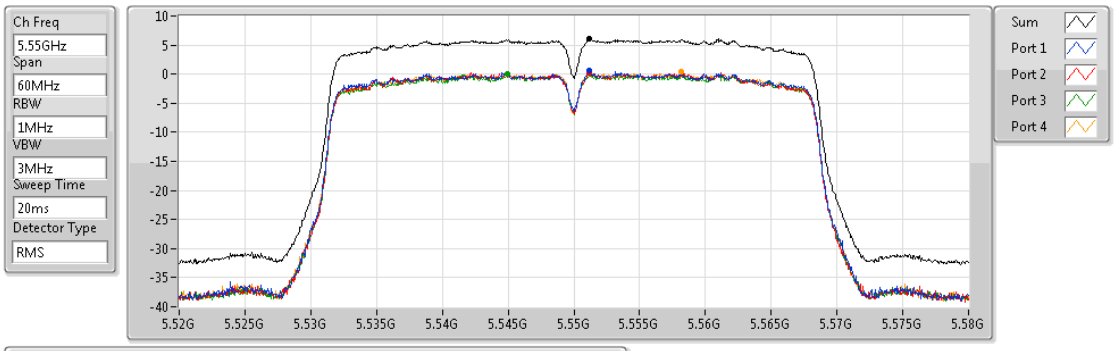
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.92	5.92	0.23	0.29	-0.10	0.12

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

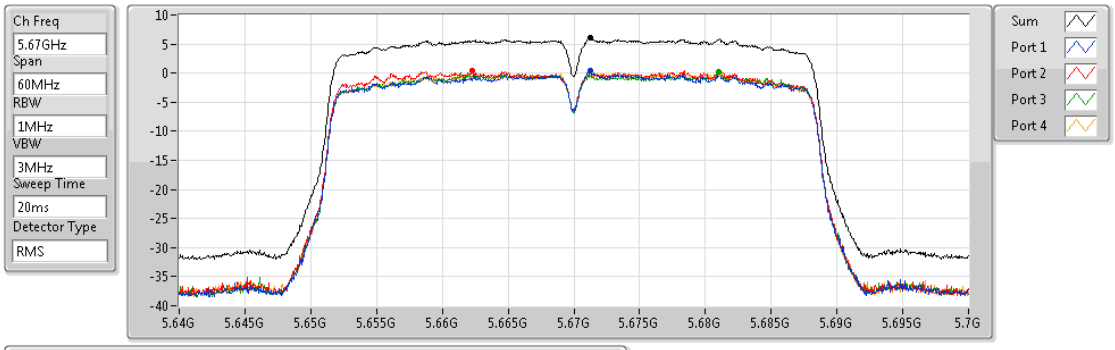
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.09	6.09	0.71	0.27	0.02	0.43

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

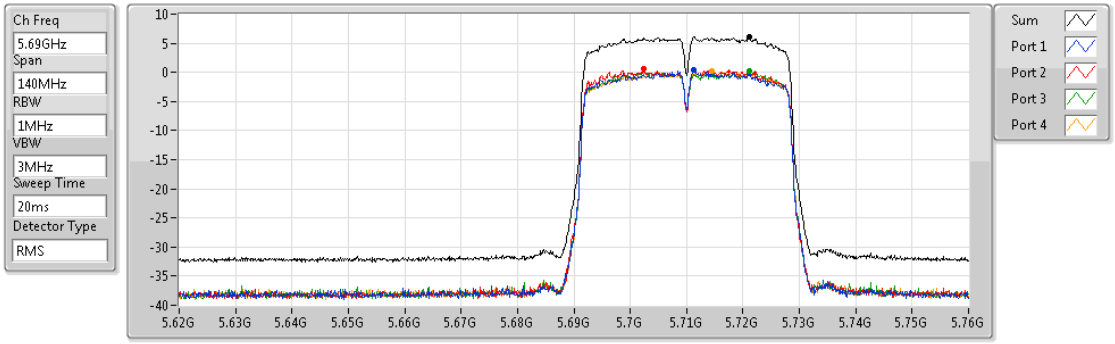
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.03	6.03	0.51	0.43	0.26	0.09

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

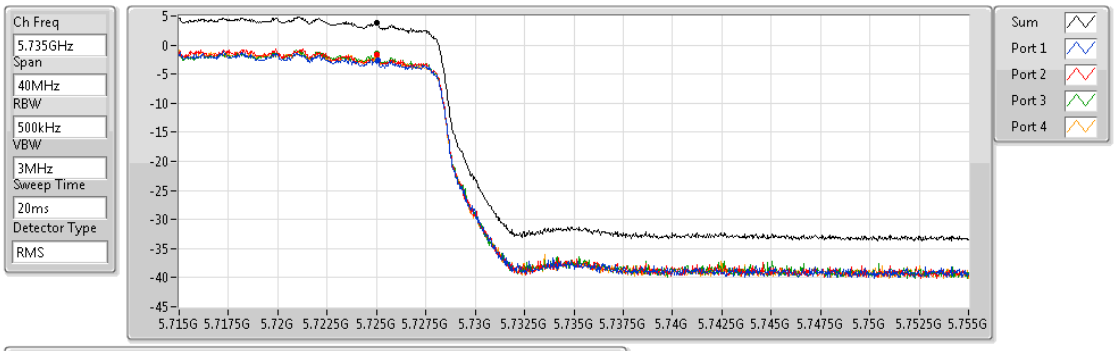
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.10	6.10	0.46	0.67	0.19	0.25

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

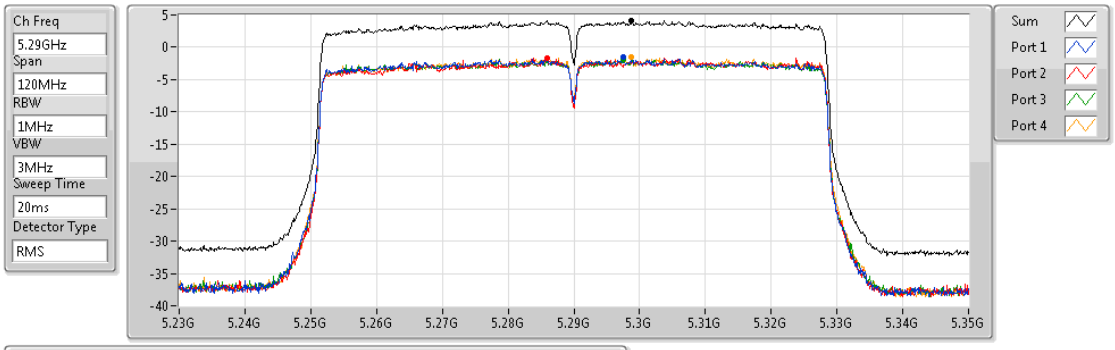
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.83	3.83	-2.56	-1.58	-1.44	-2.22

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

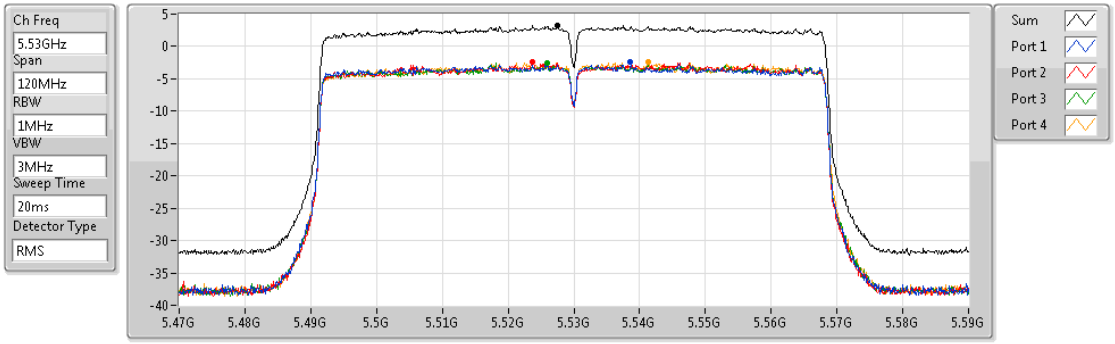
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.13	4.13	-1.59	-1.64	-1.86	-1.52

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

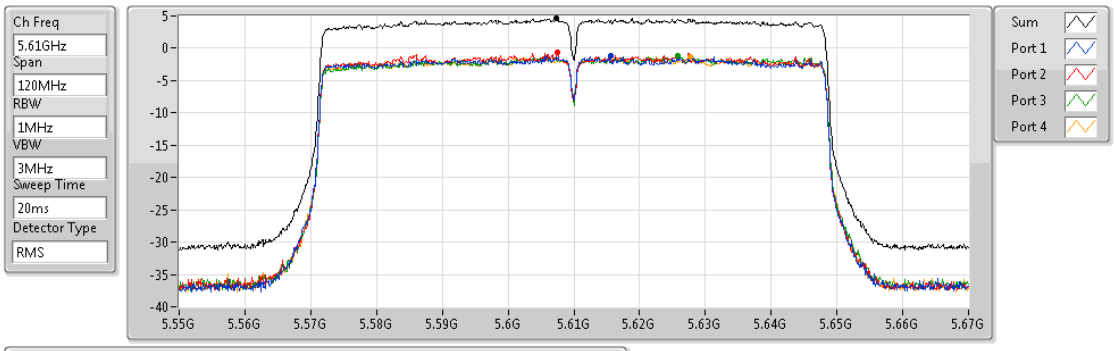
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.24	3.24	-2.46	-2.34	-2.60	-2.45

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

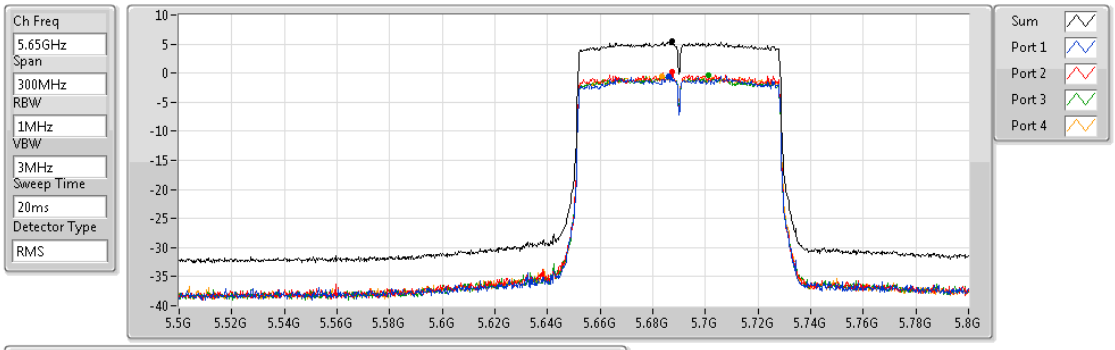
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.72	4.72	-1.13	-0.60	-1.18	-1.32

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

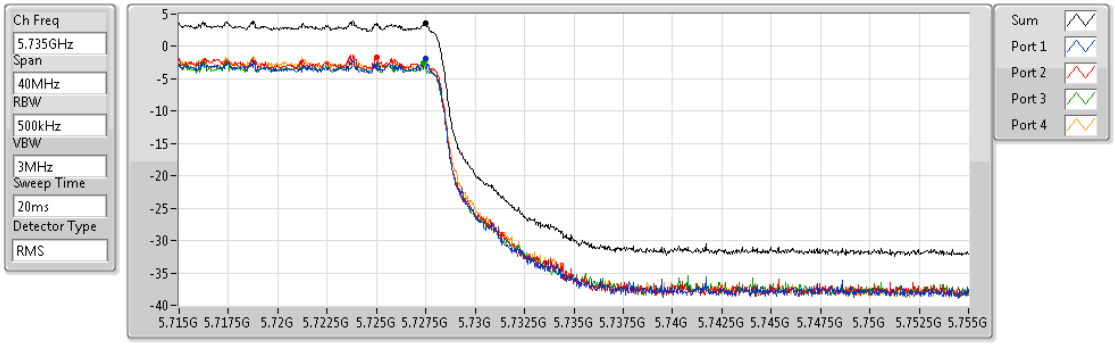
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.45	5.45	-0.54	0.16	-0.44	-0.45

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

5690MHz Straddle 5.725-5.85GHz



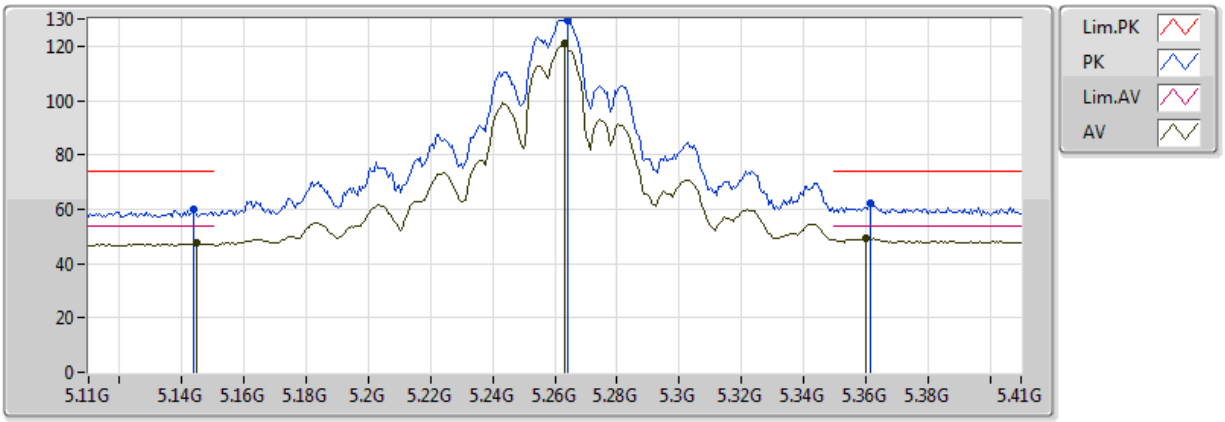
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.68	3.68	-1.85	-1.63	-2.49	-2.17

11a, VHT20, VHT40 and VHT80
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.25-5.35GHz	Pass	AV	5.3526G	53.98	54.00	-0.02	6.61	3	V	201	1.30	-

802.11a_(6Mbps)_4TX

5260MHz_TX

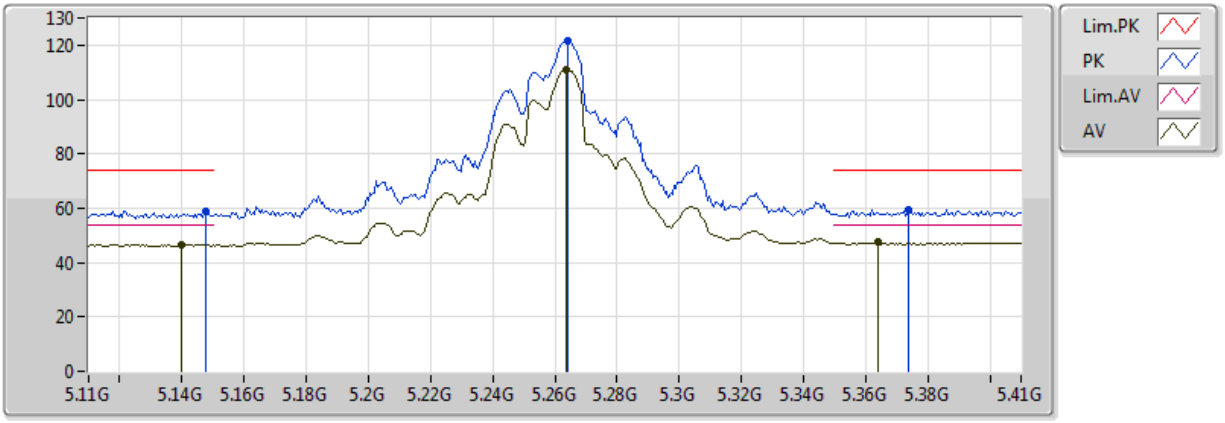


20160216
EUT Y 4TX NON-TXBF
Setting 30 Maxsetting
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1448G	47.41	54.00	-6.59	6.30	3	V	196	1.40	-
AV	5.263G	120.77	Inf	-Inf	6.48	3	V	196	1.40	-
AV	5.3602G	49.32	54.00	-4.68	6.62	3	V	196	1.40	-
PK	5.1436G	60.17	74.00	-13.83	6.29	3	V	196	1.40	-
PK	5.2642G	129.57	Inf	-Inf	6.49	3	V	196	1.40	-
PK	5.3614G	62.12	74.00	-11.88	6.62	3	V	196	1.40	-

802.11a_(6Mbps)_4TX

5260MHz_TX

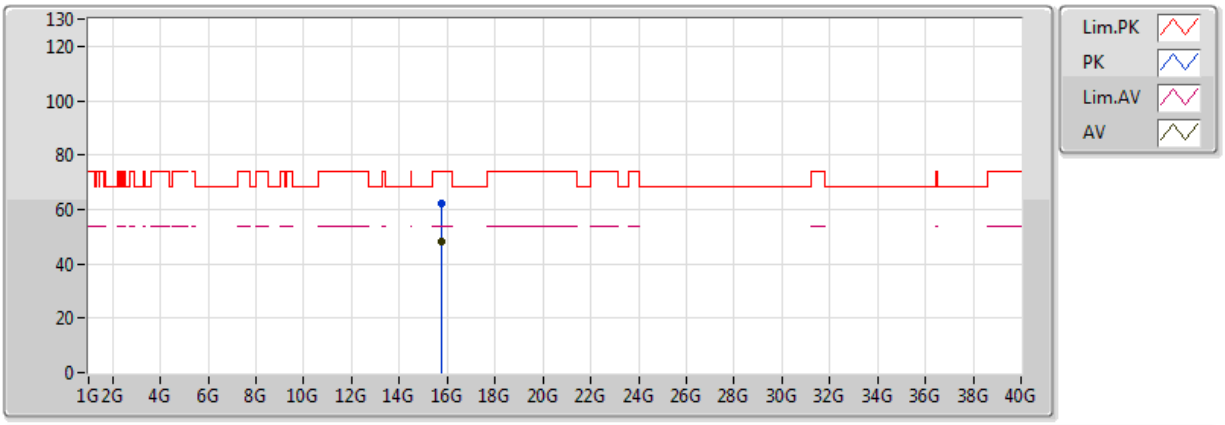


20160216
EUT Y 4TX NON-TXBF
Setting 30 Maxsetting
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.14G	46.55	54.00	-7.45	6.29	3	H	99	1.25	-
AV	5.2636G	111.20	Inf	-Inf	6.49	3	H	99	1.25	-
AV	5.3638G	47.35	54.00	-6.65	6.62	3	H	99	1.25	-
PK	5.1478G	58.81	74.00	-15.19	6.30	3	H	99	1.25	-
PK	5.2642G	121.78	Inf	-Inf	6.49	3	H	99	1.25	-
PK	5.374G	59.55	74.00	-14.45	6.64	3	H	99	1.25	-

802.11a_(6Mbps)_4TX

5260MHz_TX

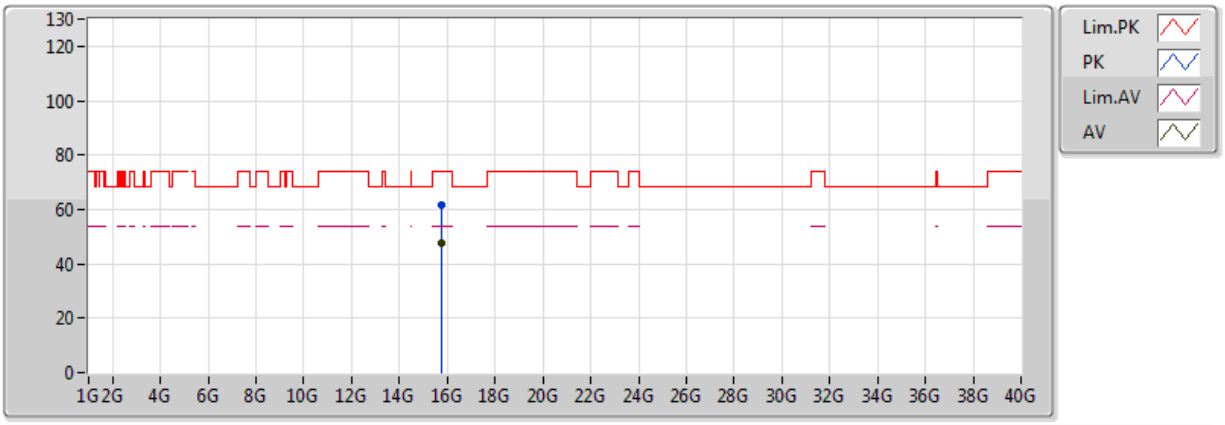


20160216
EUT Y 4TX NON-TXBF
Setting 30 Maxsetting
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.780824G	48.27	54.00	-5.73	15.54	3	V	235	1.13	-
PK	15.780328G	61.99	74.00	-12.01	15.54	3	V	235	1.13	-

802.11a_(6Mbps)_4TX

5260MHz_TX

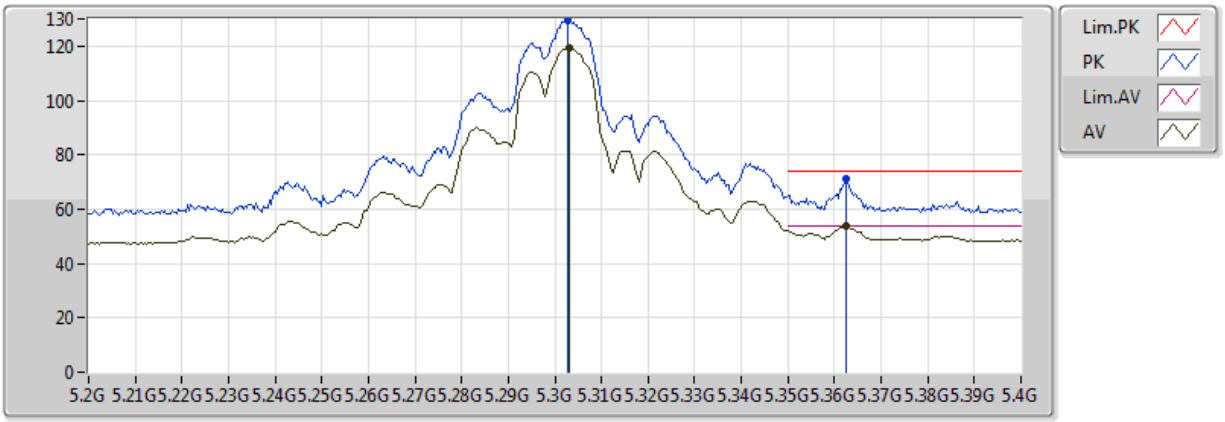


20160216
EUT Y 4TX NON-TXBF
Setting 30 Maxsetting
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.780644G	47.67	54.00	-6.33	15.54	3	H	13	1.03	-
PK	15.779788G	61.41	74.00	-12.59	15.54	3	H	13	1.03	-

802.11a_(6Mbps)_4TX

5300MHz_TX

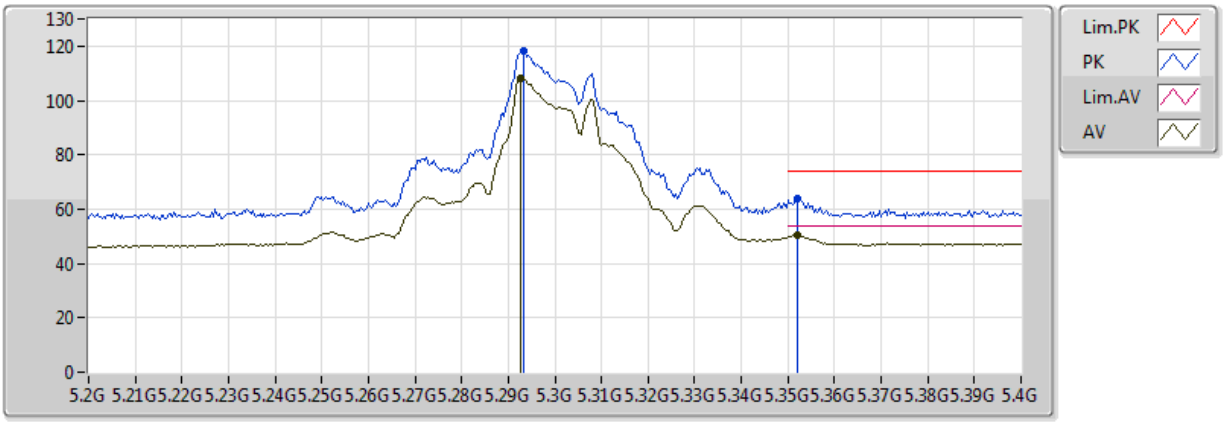


20160216
EUT Y 4TX NON-TXBF
Setting 26
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3032G	119.45	Inf	-Inf	6.54	3	V	194	1.49	-
AV	5.3624G	53.79	54.00	-0.21	6.62	3	V	194	1.49	-
PK	5.3028G	129.42	Inf	-Inf	6.54	3	V	194	1.49	-
PK	5.3624G	71.04	74.00	-2.96	6.62	3	V	194	1.49	-

802.11a_(6Mbps)_4TX

5300MHz_TX

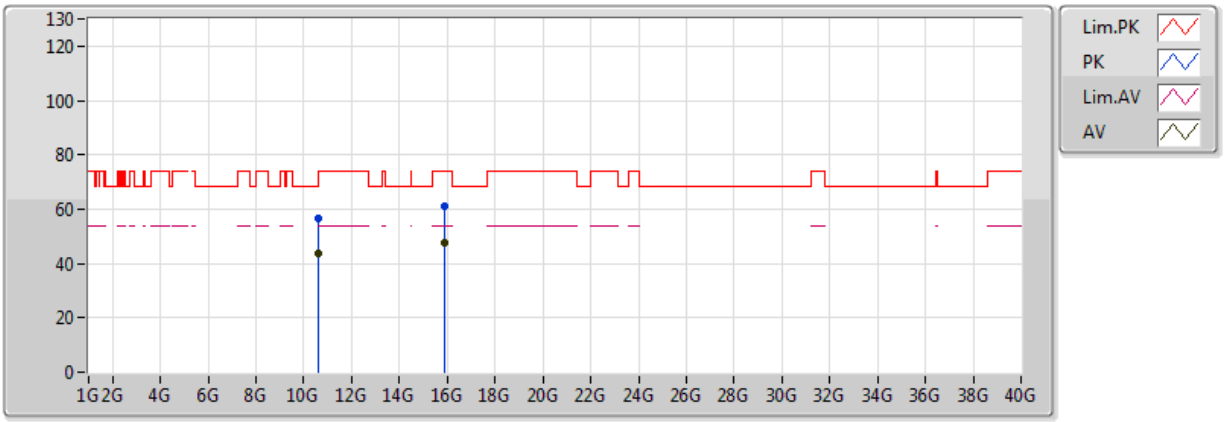


20160216
EUT Y 4TX NON-TXBF
Setting 26
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2928G	107.96	Inf	-Inf	6.53	3	H	7	1.50	-
AV	5.352G	50.29	54.00	-3.71	6.61	3	H	7	1.50	-
PK	5.2932G	118.08	Inf	-Inf	6.53	3	H	7	1.50	-
PK	5.352G	63.72	74.00	-10.28	6.61	3	H	7	1.50	-

802.11a_(6Mbps)_4TX

5300MHz_TX

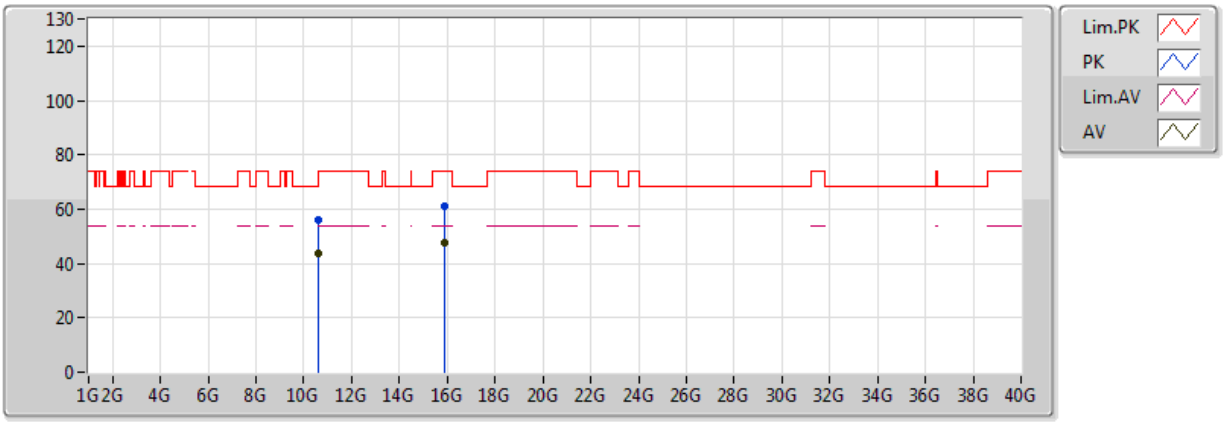


20160216
EUT Y 4TX NON-TXBF
Setting26
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.601G	43.98	54.00	-10.02	13.40	3	V	39	1.23	-
AV	15.899356G	47.77	54.00	-6.23	15.30	3	V	81	1.62	-
PK	10.60232G	56.86	74.00	-17.14	13.40	3	V	39	1.23	-
PK	15.899128G	61.02	74.00	-12.98	15.30	3	V	81	1.62	-

802.11a_(6Mbps)_4TX

5300MHz_TX

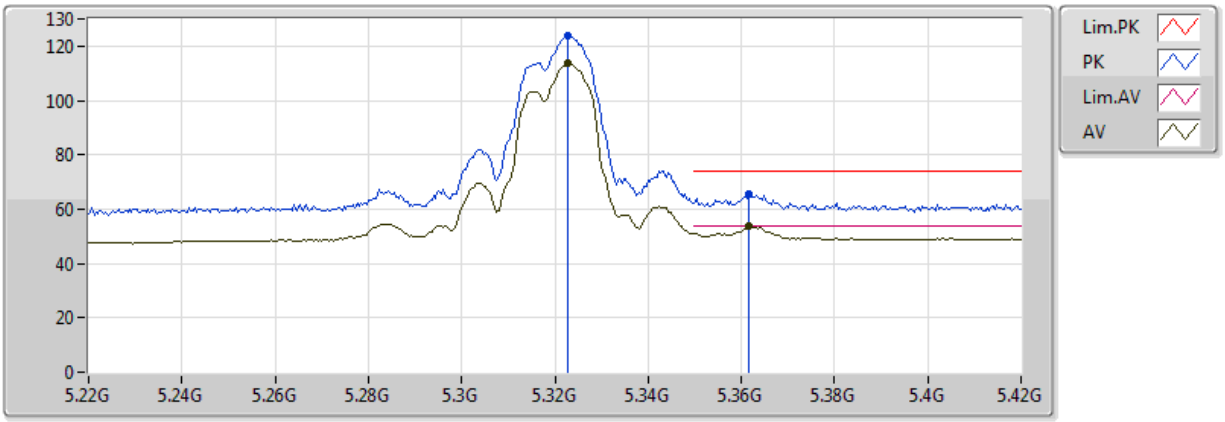


20160216
EUT Y 4TX NON-TXBF
Setting26
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.601G	43.85	54.00	-10.15	13.40	3	H	147	1.23	-
AV	15.899992G	47.84	54.00	-6.16	15.30	3	H	155	1.45	-
PK	10.60074G	56.10	74.00	-17.90	13.40	3	H	147	1.23	-
PK	15.900256G	61.14	74.00	-12.86	15.30	3	H	155	1.45	-

802.11a_(6Mbps)_4TX

5320MHz_TX

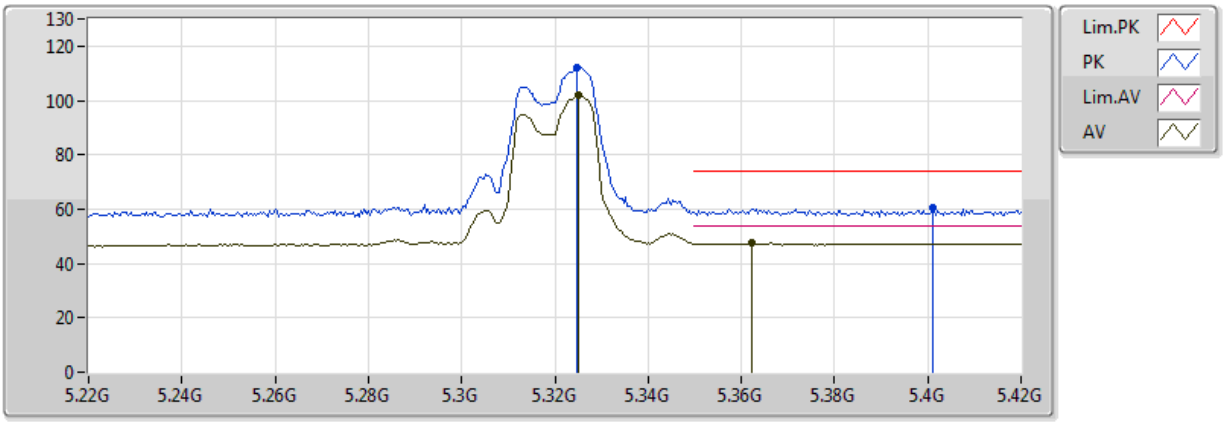


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3228G	113.49	Inf	-Inf	6.57	3	V	197	1.46	-
AV	5.3616G	53.65	54.00	-0.35	6.62	3	V	197	1.46	-
PK	5.3228G	123.82	Inf	-Inf	6.57	3	V	197	1.46	-
PK	5.3616G	65.84	74.00	-8.16	6.62	3	V	197	1.46	-

802.11a_(6Mbps)_4TX

5320MHz_TX

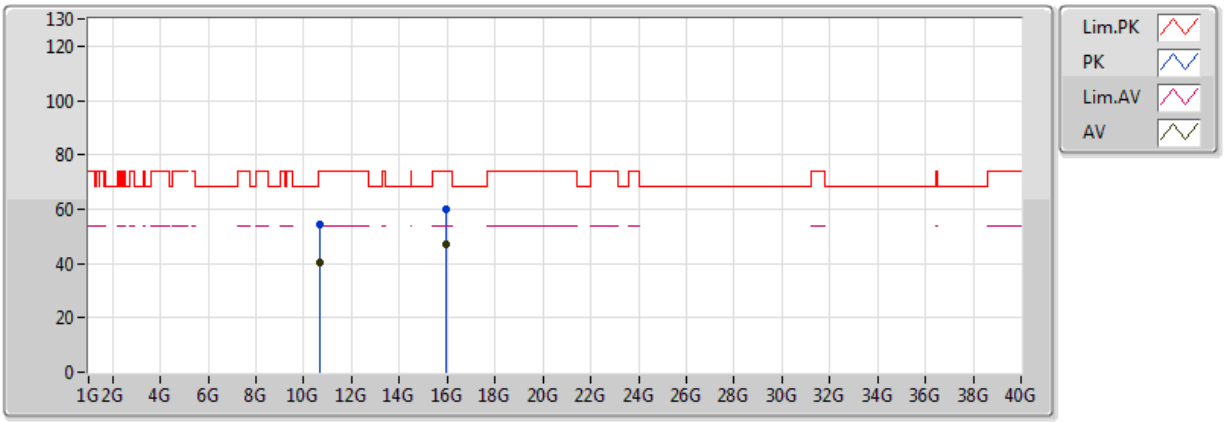


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3252G	101.72	Inf	-Inf	6.57	3	H	148	1.68	-
AV	5.3624G	47.39	54.00	-6.61	6.62	3	H	148	1.68	-
PK	5.3248G	112.11	Inf	-Inf	6.57	3	H	148	1.68	-
PK	5.4012G	60.70	74.00	-13.30	6.67	3	H	148	1.68	-

802.11a_(6Mbps)_4TX

5320MHz_TX

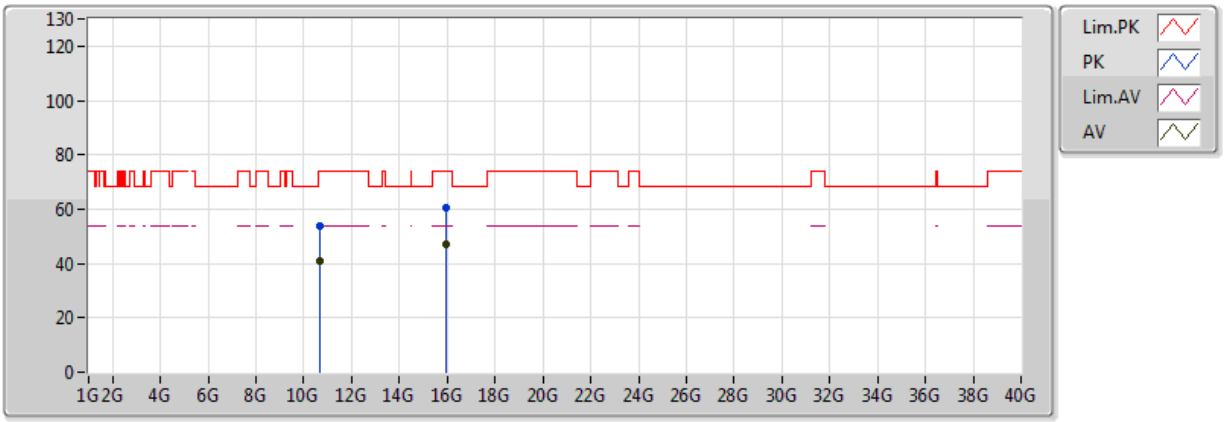


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.639712G	40.60	54.00	-13.40	13.43	3	V	143	2.06	-
AV	15.959892G	46.83	54.00	-7.17	15.18	3	V	177	1.16	-
PK	10.639356G	54.53	74.00	-19.47	13.43	3	V	143	2.06	-
PK	15.960452G	60.02	74.00	-13.98	15.18	3	V	177	1.16	-

802.11a_(6Mbps)_4TX

5320MHz_TX

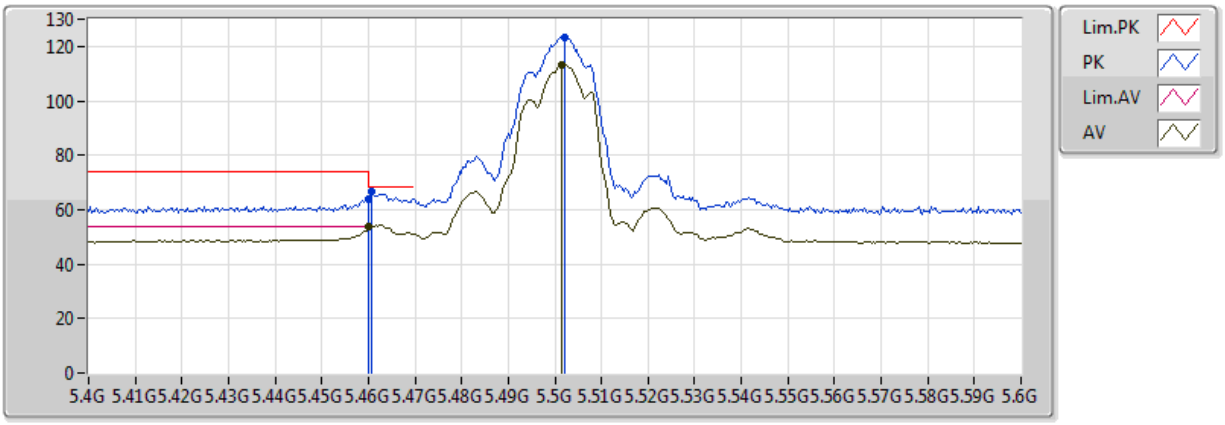


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63906G	40.63	54.00	-13.37	13.43	3	H	241	2.19	-
AV	15.9605G	46.86	54.00	-7.14	15.18	3	H	115	2.12	-
PK	10.639028G	54.01	74.00	-19.99	13.43	3	H	241	2.19	-
PK	15.960676G	60.54	74.00	-13.46	15.18	3	H	115	2.12	-

802.11a_(6Mbps)_4TX

5500MHz_TX

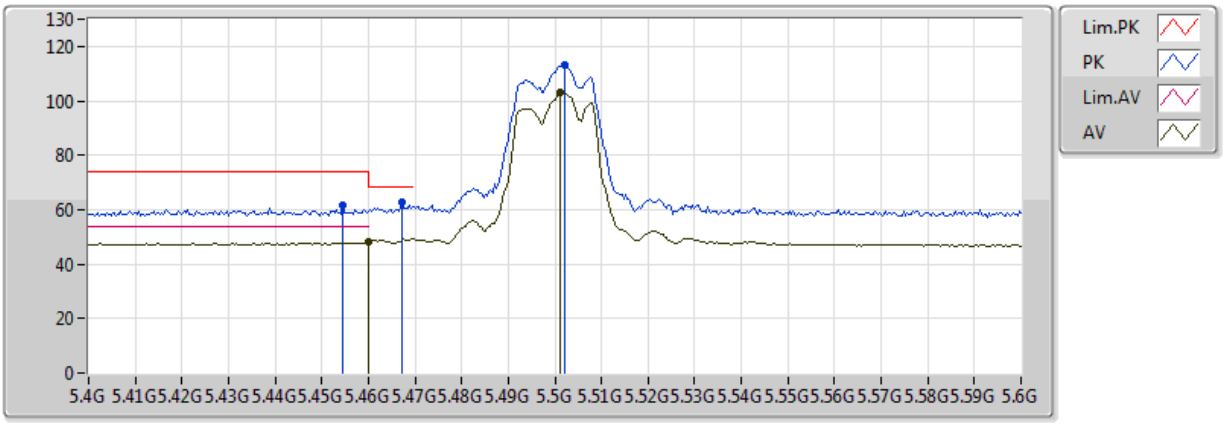


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01-10
FSP

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	53.59	54.00	-0.41	6.80	3	V	197	1.50	-
AV	5.5016G	113.06	Inf	-Inf	6.88	3	V	197	1.50	-
PK	5.46G	63.91	74.00	-10.09	6.80	3	V	197	1.50	-
PK	5.4608G	66.81	68.20	-1.39	6.80	3	V	197	1.50	-
PK	5.502G	123.53	Inf	-Inf	6.88	3	V	197	1.50	-

802.11a_(6Mbps)_4TX

5500MHz_TX

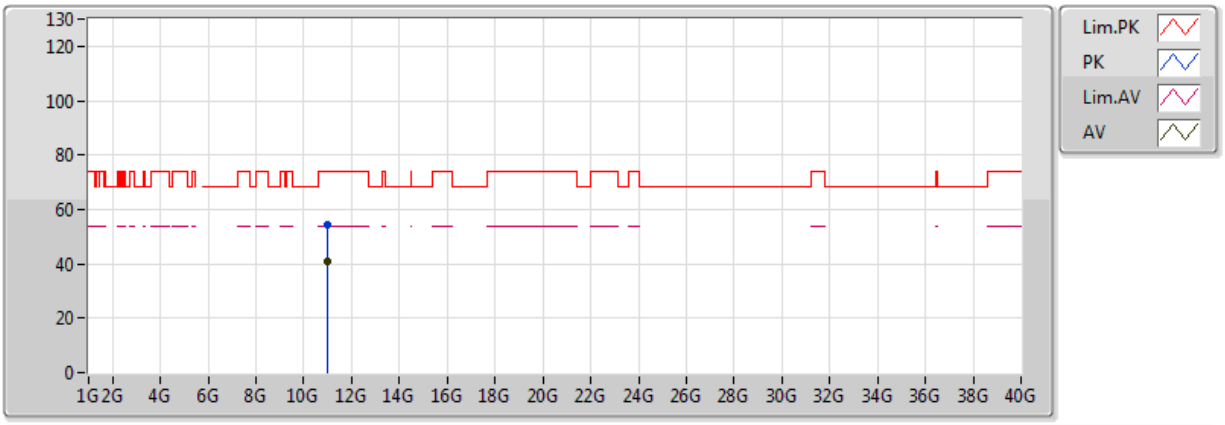


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01-10
FSP

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	48.09	54.00	-5.91	6.80	3	H	231	1.62	-
AV	5.5012G	102.94	Inf	-Inf	6.88	3	H	231	1.62	-
PK	5.4544G	61.38	74.00	-12.62	6.78	3	H	231	1.62	-
PK	5.4672G	62.49	68.20	-5.71	6.81	3	H	231	1.62	-
PK	5.502G	113.21	Inf	-Inf	6.88	3	H	231	1.62	-

802.11a_(6Mbps)_4TX

5500MHz_TX

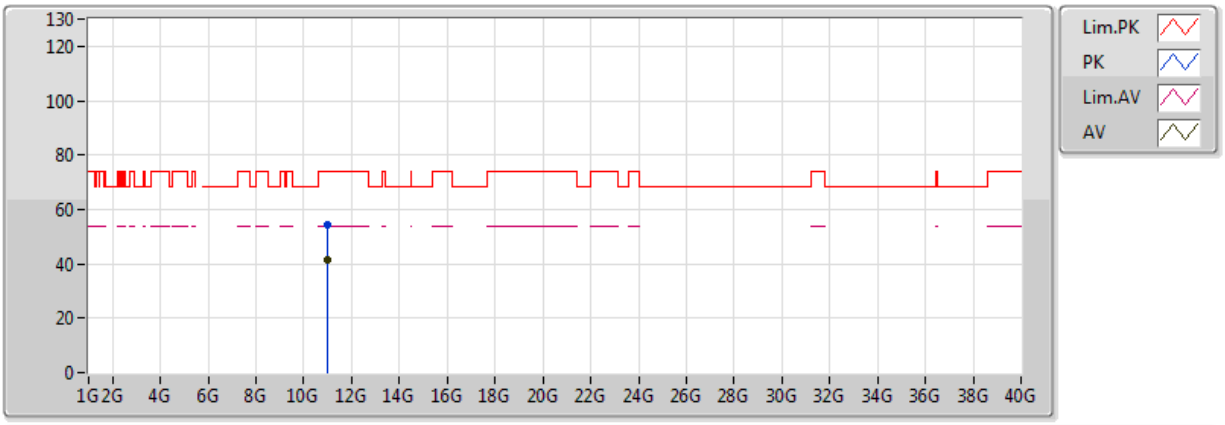


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.99908G	41.09	54.00	-12.91	13.74	3	V	130	1.56	-
PK	10.9994G	54.23	74.00	-19.77	13.74	3	V	130	1.56	-

802.11a_(6Mbps)_4TX

5500MHz_TX

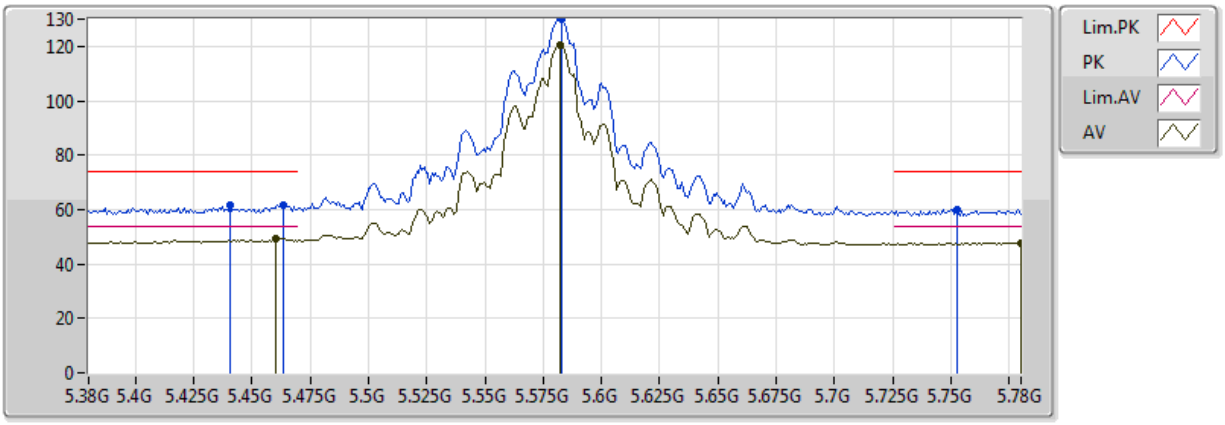


20160216
EUT Y 4TX NON-TXBF
Setting 19.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.999336G	41.28	54.00	-12.72	13.74	3	H	31	1.85	-
PK	10.999296G	54.36	74.00	-19.64	13.74	3	H	31	1.85	-

802.11a_(6Mbps)_4TX

5580MHz_TX

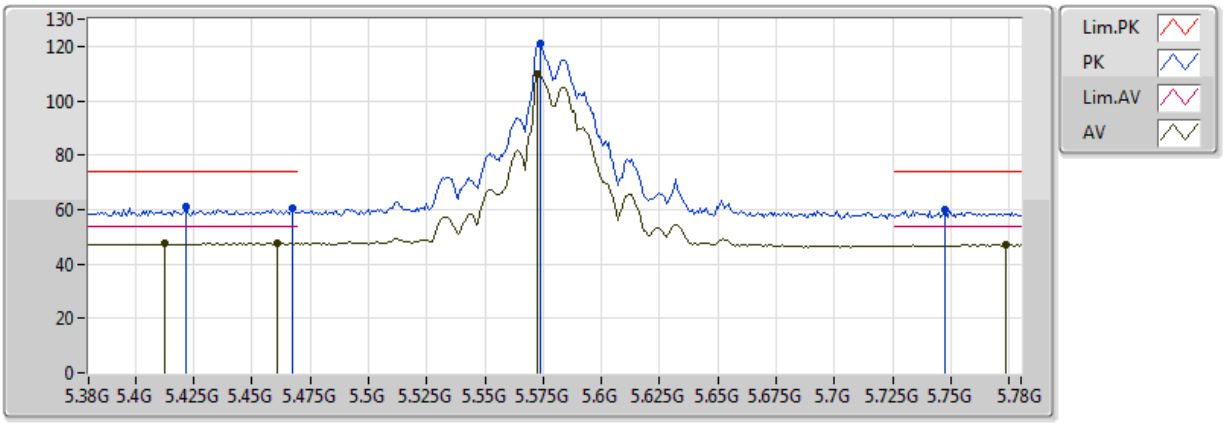


20160216
EUT Y 4TX NON-TXBF
Setting 30
03-M-01-10
FSP

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	49.35	54.00	-4.65	6.80	3	V	195	1.49	-
AV	5.460005G	49.35	54.00	-4.65	6.80	3	V	195	1.49	-
AV	5.5824G	120.61	Inf	-Inf	6.95	3	V	195	1.49	-
AV	5.78G	47.72	54.00	-6.28	6.98	3	V	195	1.49	-
PK	5.4408G	61.39	74.00	-12.61	6.76	3	V	195	1.49	-
PK	5.4632G	61.60	74.00	-12.40	6.80	3	V	195	1.49	-
PK	5.5832G	130.01	Inf	-Inf	6.95	3	V	195	1.49	-
PK	5.7528G	59.87	74.00	-14.13	6.98	3	V	195	1.49	-

802.11a_(6Mbps)_4TX

5580MHz_TX

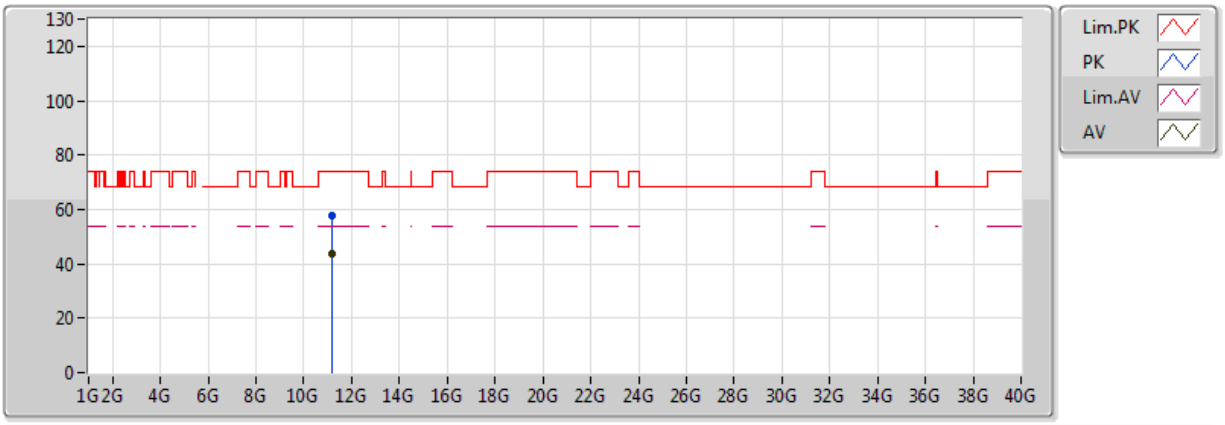


20160216
EUT Y 4TX NON-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4128G	47.54	54.00	-6.46	6.70	3	H	357	1.99	-
AV	5.4608G	47.63	54.00	-6.37	6.80	3	H	357	1.99	-
AV	5.5728G	110.00	Inf	-Inf	6.95	3	H	357	1.99	-
AV	5.7736G	47.12	54.00	-6.88	6.98	3	H	357	1.99	-
PK	5.4216G	61.07	74.00	-12.93	6.72	3	H	357	1.99	-
PK	5.4672G	60.27	74.00	-13.73	6.81	3	H	357	1.99	-
PK	5.5736G	120.95	Inf	-Inf	6.95	3	H	357	1.99	-
PK	5.7472G	60.12	74.00	-13.88	6.98	3	H	357	1.99	-

802.11a_(6Mbps)_4TX

5580MHz_TX

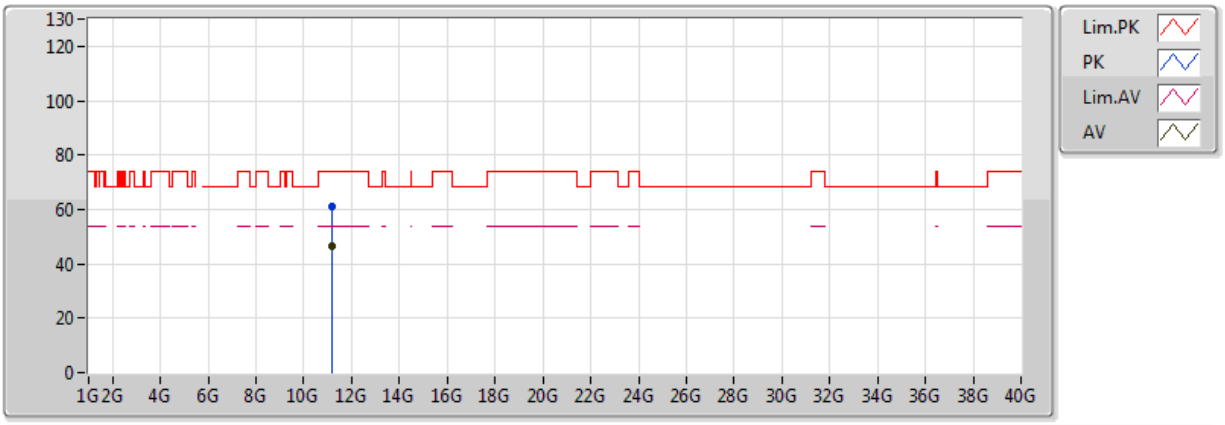


20160216
EUT Y 4TX NON-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16026G	43.95	54.00	-10.05	13.80	3	V	163	1.08	-
PK	11.160556G	57.62	74.00	-16.38	13.80	3	V	163	1.08	-

802.11a_(6Mbps)_4TX

5580MHz_TX

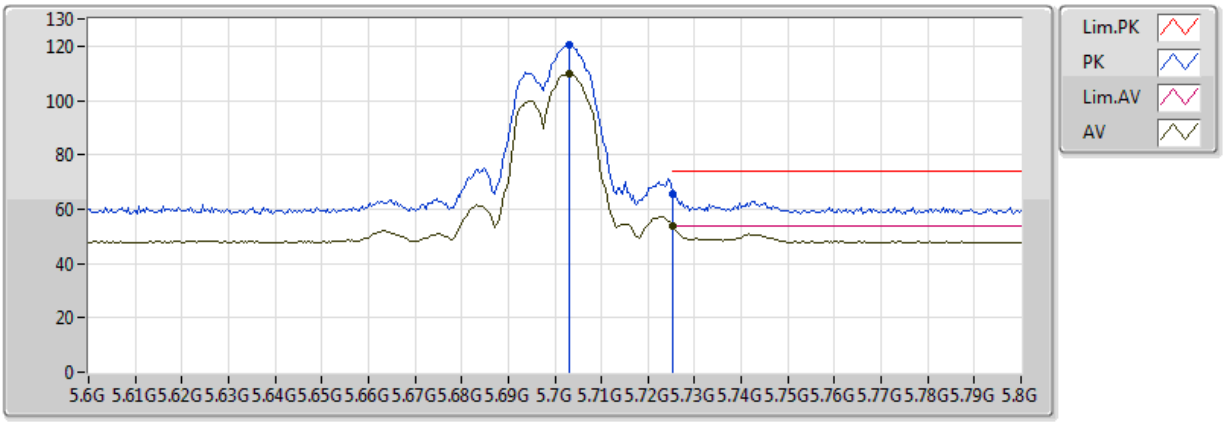


20160216
EUT Y 4TX NON-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.159G	46.59	54.00	-7.41	13.80	3	H	27	1.73	-
PK	11.159012G	61.05	74.00	-12.95	13.80	3	H	27	1.73	-

802.11a_(6Mbps)_4TX

5700MHz_TX

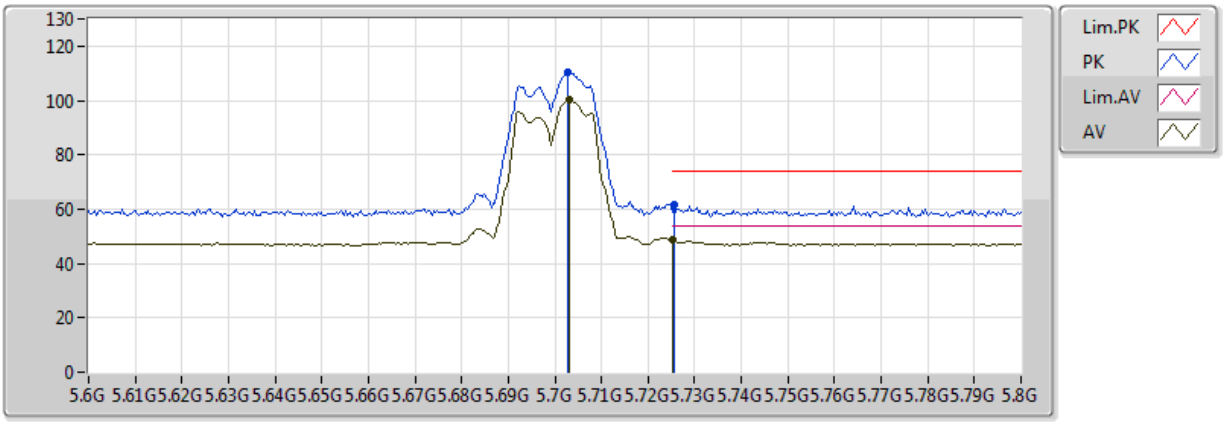


20160216
EUT Y 4TX NON-TXBF
Setting 18
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7032G	109.87	Inf	-Inf	6.98	3	V	188	1.47	-
AV	5.7252G	53.89	54.00	-0.11	6.98	3	V	188	1.47	-
PK	5.7032G	120.65	Inf	-Inf	6.98	3	V	188	1.47	-
PK	5.7252G	65.73	74.00	-8.27	6.98	3	V	188	1.47	-

802.11a_(6Mbps)_4TX

5700MHz_TX

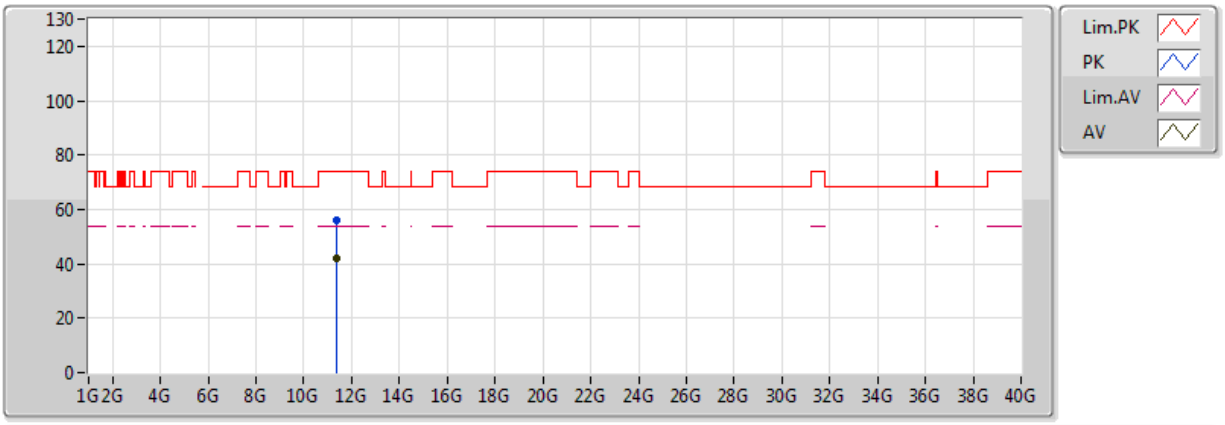


20160216
EUT Y 4TX NON-TXBF
Setting 18
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7032G	100.29	Inf	-Inf	6.98	3	H	228	1.73	-
AV	5.7252G	48.50	54.00	-5.50	6.98	3	H	228	1.73	-
PK	5.7028G	110.55	Inf	-Inf	6.98	3	H	228	1.73	-
PK	5.7256G	61.57	74.00	-12.43	6.98	3	H	228	1.73	-

802.11a_(6Mbps)_4TX

5700MHz_TX

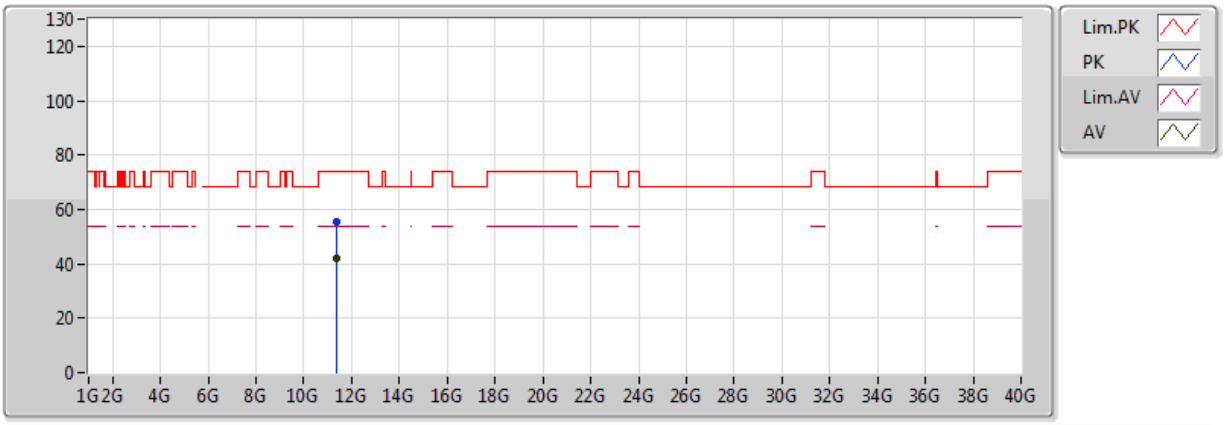


20160216
EUT Y 4TX NON-TXBF
Setting 18
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.400964G	41.82	54.00	-12.18	13.89	3	V	275	1.04	-
PK	11.400608G	55.76	74.00	-18.24	13.89	3	V	275	1.04	-

802.11a_(6Mbps)_4TX

5700MHz_TX

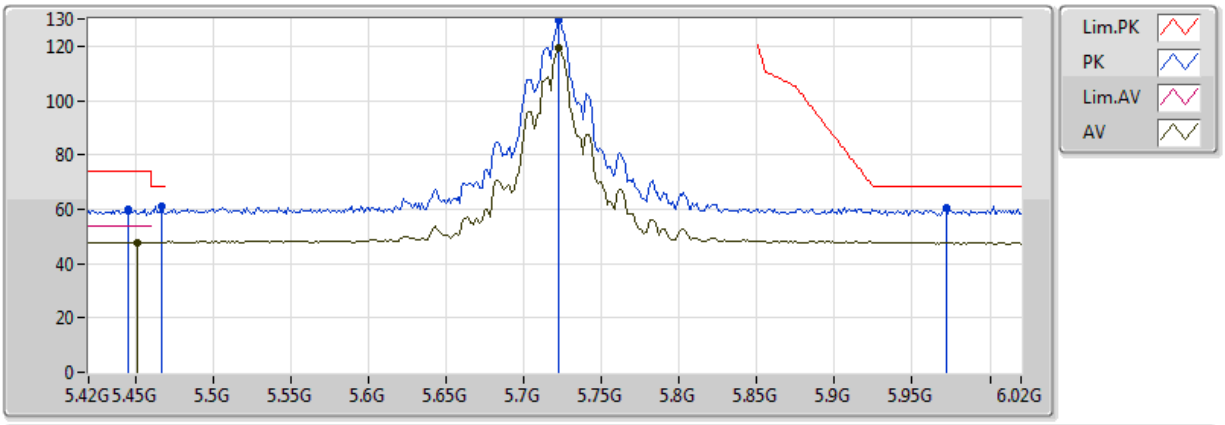


20160216
EUT Y 4TX NON-TXBF
Setting 18
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.400592G	41.86	54.00	-12.14	13.89	3	H	188	2.06	-
PK	11.39964G	55.64	74.00	-18.36	13.89	3	H	188	2.06	-

802.11a_(6Mbps)_4TX

5720MHz_TX

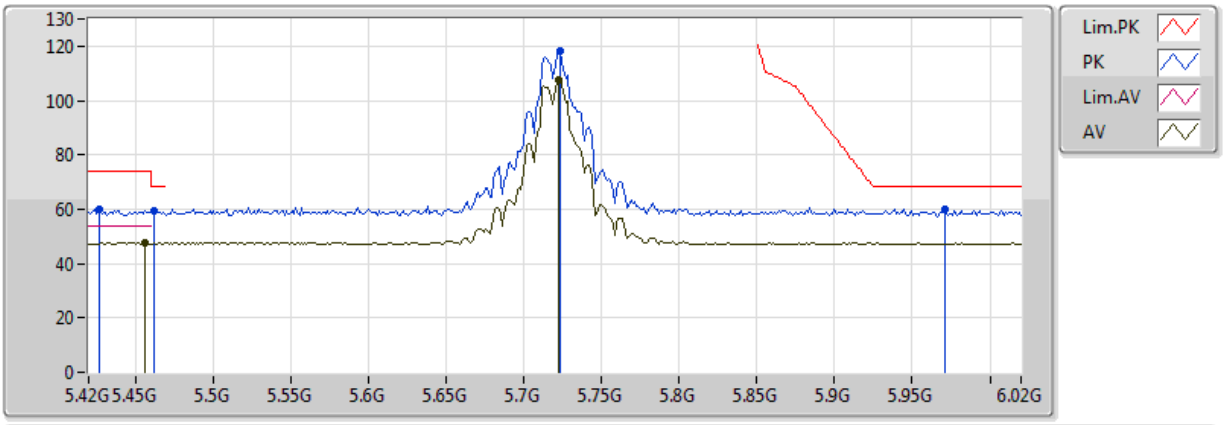


20160216
EUT Y 4TX Non-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4512G	47.84	54.00	-6.16	6.78	3	V	194	1.50	-
AV	5.7224G	119.34	Inf	-Inf	6.98	3	V	194	1.50	-
PK	5.4452G	59.99	74.00	-14.01	6.76	3	V	194	1.50	-
PK	5.4668G	61.06	68.20	-7.14	6.81	3	V	194	1.50	-
PK	5.7224G	129.66	Inf	-Inf	6.98	3	V	194	1.50	-
PK	5.972G	60.75	68.20	-7.45	6.90	3	V	194	1.50	-

802.11a_(6Mbps)_4TX

5720MHz_TX

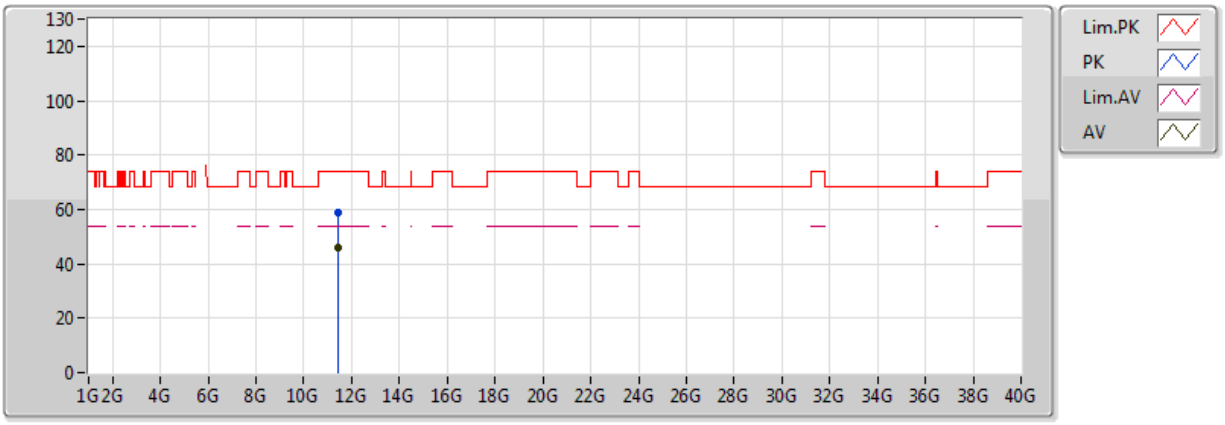


20160216
EUT Y 4TX Non-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.456G	47.60	54.00	-6.40	6.79	3	H	231	1.38	-
AV	5.7224G	107.74	Inf	-Inf	6.98	3	H	231	1.38	-
PK	5.4272G	60.13	74.00	-13.87	6.73	3	H	231	1.38	-
PK	5.462G	59.46	68.20	-8.74	6.80	3	H	231	1.38	-
PK	5.7236G	118.24	Inf	-Inf	6.98	3	H	231	1.38	-
PK	5.9708G	59.80	68.20	-8.40	6.90	3	H	231	1.38	-

802.11a_(6Mbps)_4TX

5720MHz_TX

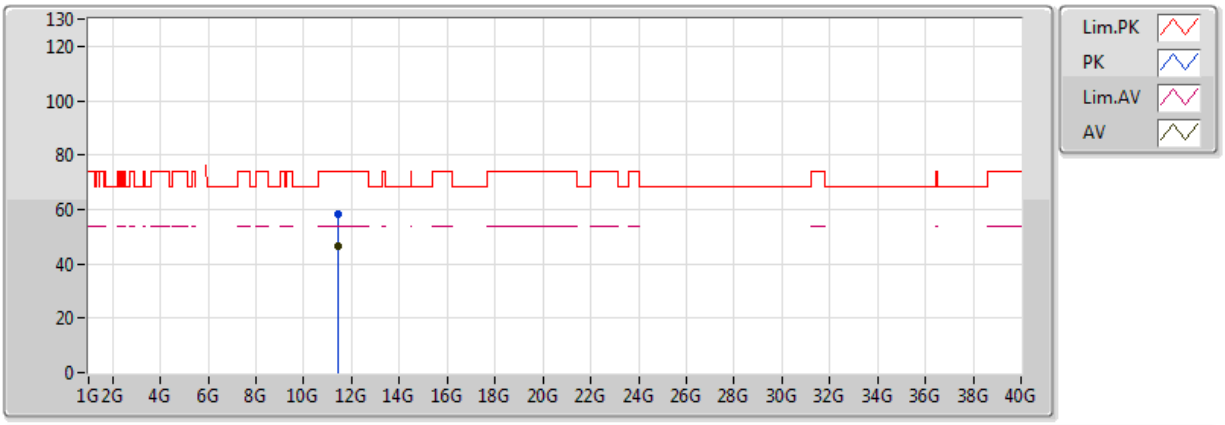


20160216
EUT Y 4TX Non-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.44056G	45.94	54.00	-8.06	13.91	3	V	204	1.41	-
PK	11.440932G	58.61	74.00	-15.39	13.91	3	V	204	1.41	-

802.11a_(6Mbps)_4TX

5720MHz_TX

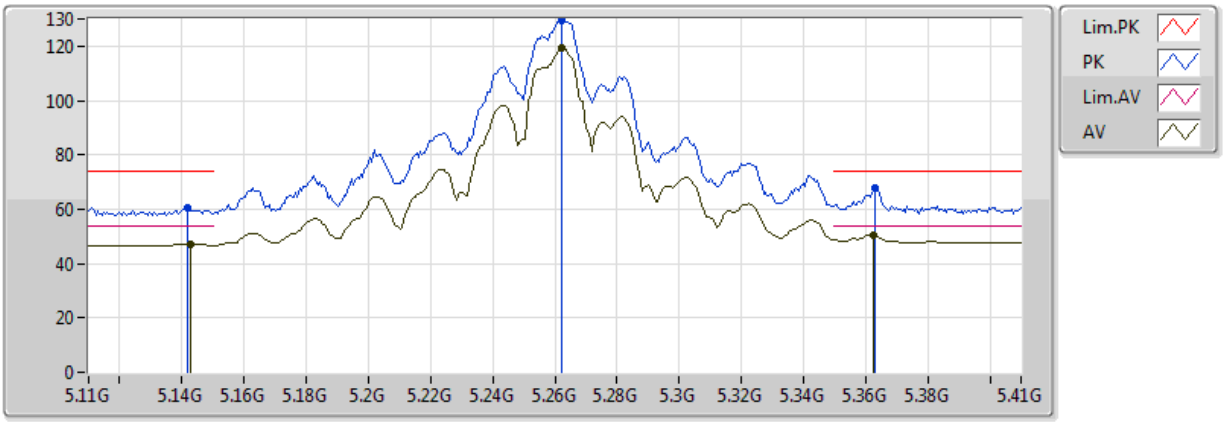


20160216
EUT Y 4TX Non-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.439136G	46.59	54.00	-7.41	13.91	3	H	353	1.78	-
PK	11.439192G	58.02	74.00	-15.98	13.91	3	H	353	1.78	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

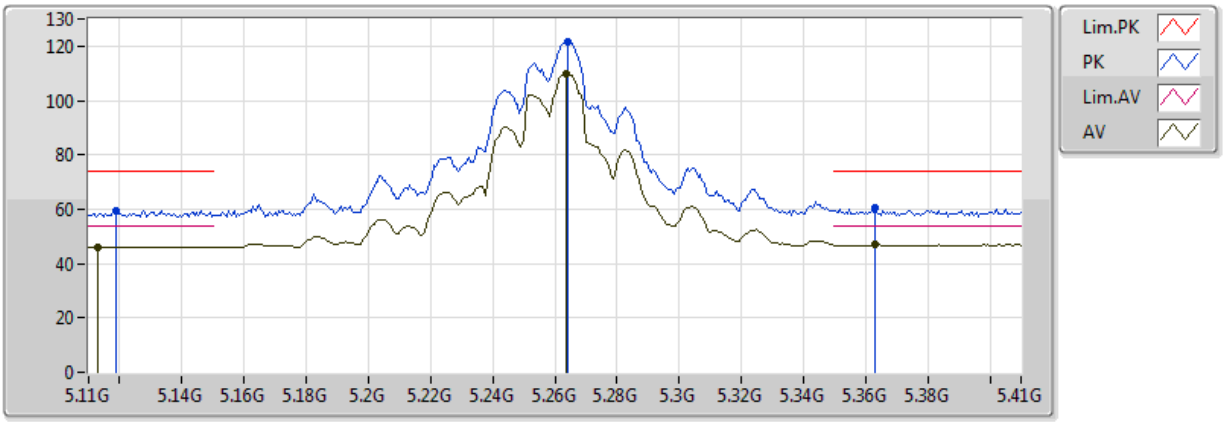


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.143G	47.34	54.00	-6.66	6.29	3	V	204	1.20	-
AV	5.2624G	119.25	Inf	-Inf	6.48	3	V	204	1.20	-
AV	5.3626G	50.60	54.00	-3.40	6.62	3	V	204	1.20	-
PK	5.1418G	60.78	74.00	-13.22	6.29	3	V	204	1.20	-
PK	5.2624G	129.43	Inf	-Inf	6.48	3	V	204	1.20	-
PK	5.3632G	68.04	74.00	-5.96	6.62	3	V	204	1.20	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

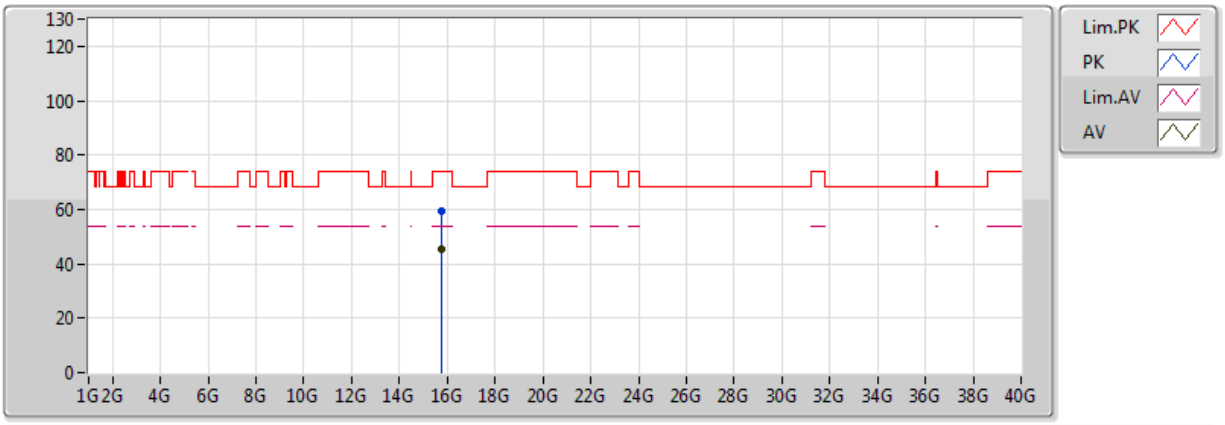


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.113G	46.14	54.00	-7.86	6.24	3	H	100	1.44	-
AV	5.2636G	109.97	Inf	-Inf	6.49	3	H	100	1.44	-
AV	5.3632G	46.94	54.00	-7.06	6.62	3	H	100	1.44	-
PK	5.119G	59.47	74.00	-14.53	6.25	3	H	100	1.44	-
PK	5.2642G	121.48	Inf	-Inf	6.49	3	H	100	1.44	-
PK	5.3632G	60.60	74.00	-13.40	6.62	3	H	100	1.44	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

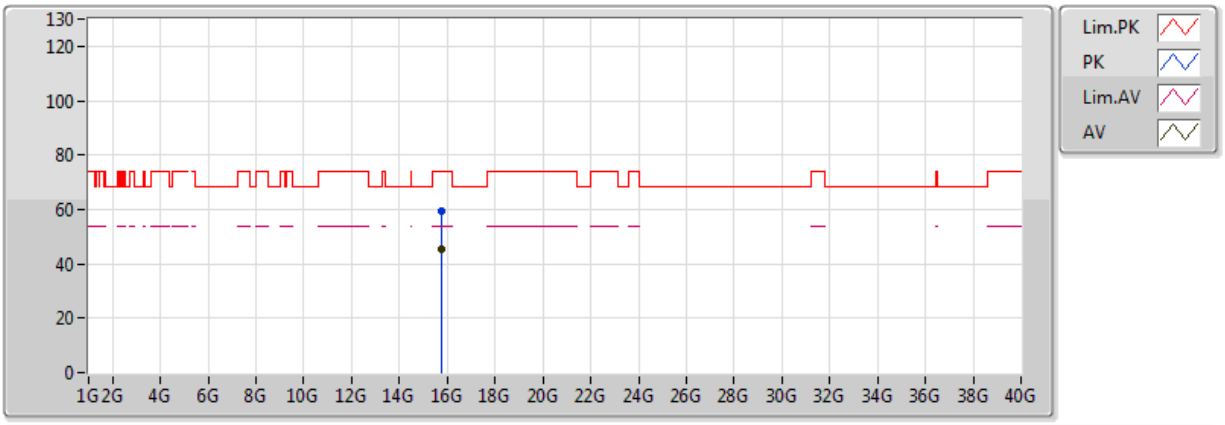


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.780152G	45.19	54.00	-8.81	15.54	3	V	164	1.13	-
PK	15.77914G	59.38	74.00	-14.62	15.54	3	V	164	1.13	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

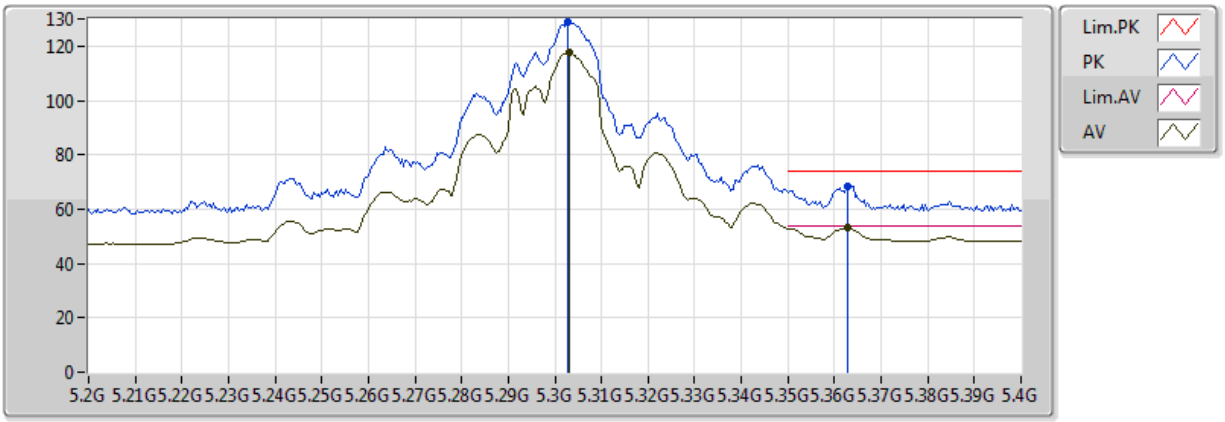


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.780256G	45.17	54.00	-8.83	15.54	3	H	86	1.13	-
PK	15.780252G	59.16	74.00	-14.84	15.54	3	H	86	1.13	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

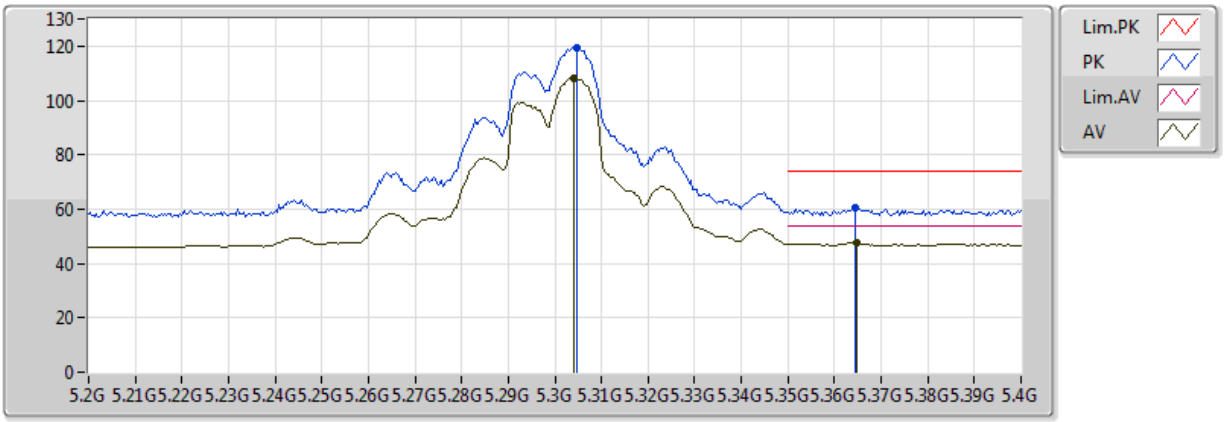


20160217
EUT Y 4TX NON-TXBF
Setting 26
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3032G	117.58	Inf	-Inf	6.54	3	V	202	1.49	-
AV	5.3628G	53.51	54.00	-0.49	6.62	3	V	202	1.49	-
PK	5.3028G	128.87	Inf	-Inf	6.54	3	V	202	1.49	-
PK	5.3628G	68.32	74.00	-5.68	6.62	3	V	202	1.49	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

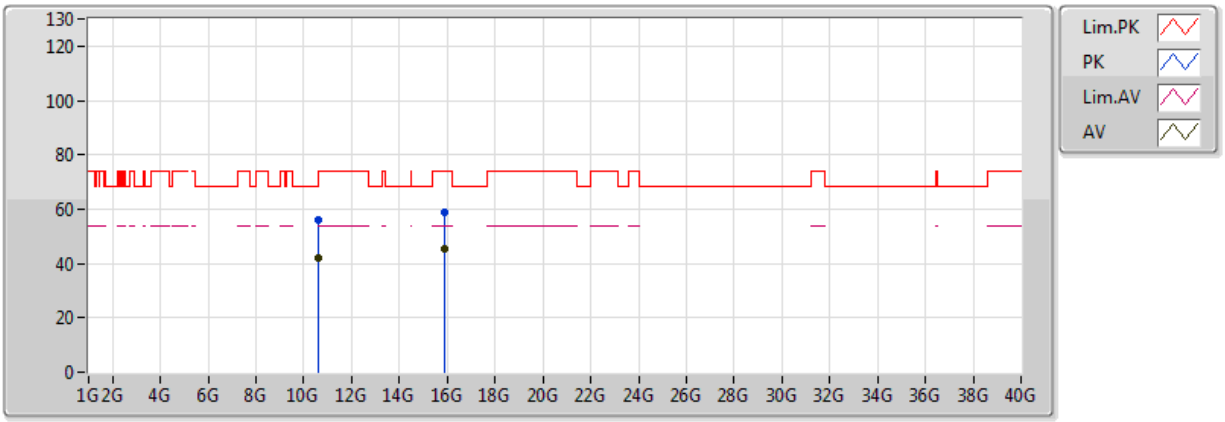


20160217
EUT Y 4TX NON-TXBF
Setting 26
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.304G	108.32	Inf	-Inf	6.55	3	H	101	1.47	-
AV	5.3648G	47.55	54.00	-6.45	6.62	3	H	101	1.47	-
PK	5.3048G	119.44	Inf	-Inf	6.55	3	H	101	1.47	-
PK	5.3644G	60.26	74.00	-13.74	6.62	3	H	101	1.47	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

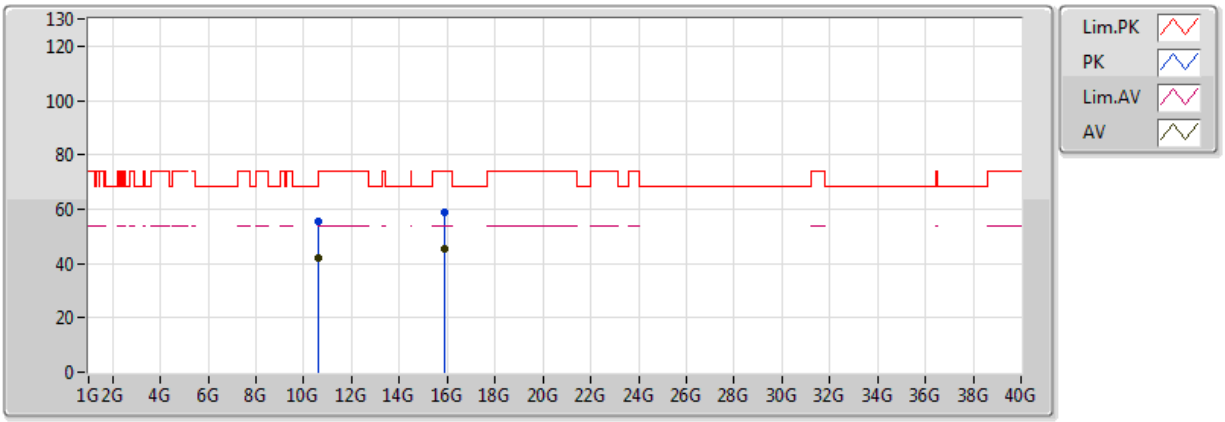


20160217
EUT Y 4TX NON-TXBF
Setting 26
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.600412G	42.13	54.00	-11.87	13.40	3	V	106	1.21	-
AV	15.899432G	45.64	54.00	-8.36	15.30	3	V	357	1.69	-
PK	10.600768G	55.92	74.00	-18.08	13.40	3	V	106	1.21	-
PK	15.899484G	58.73	74.00	-15.27	15.30	3	V	357	1.69	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

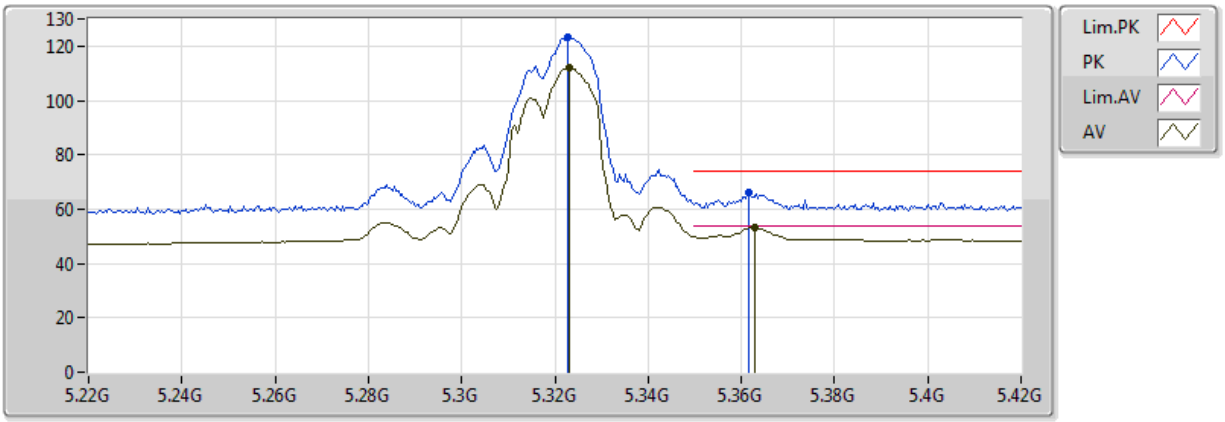


20160217
EUT Y 4TX NON-TXBF
Setting 26
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.600024G	42.25	54.00	-11.75	13.40	3	H	346	1.27	-
AV	15.899788G	45.55	54.00	-8.45	15.30	3	H	268	1.87	-
PK	10.600508G	55.51	74.00	-18.49	13.40	3	H	346	1.27	-
PK	15.900168G	58.73	74.00	-15.27	15.30	3	H	268	1.87	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

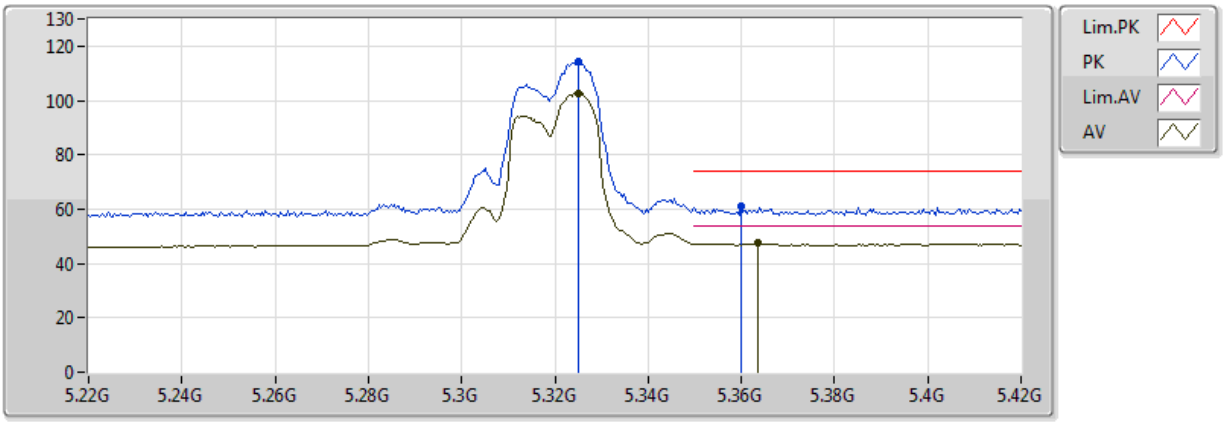


20160217
EUT Y 4TX NON-TXBF
Setting 20
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3232G	112.12	Inf	-Inf	6.57	3	V	197	1.38	-
AV	5.3628G	53.51	54.00	-0.49	6.62	3	V	197	1.38	-
PK	5.3228G	123.52	Inf	-Inf	6.57	3	V	197	1.38	-
PK	5.3616G	66.01	74.00	-7.99	6.62	3	V	197	1.38	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

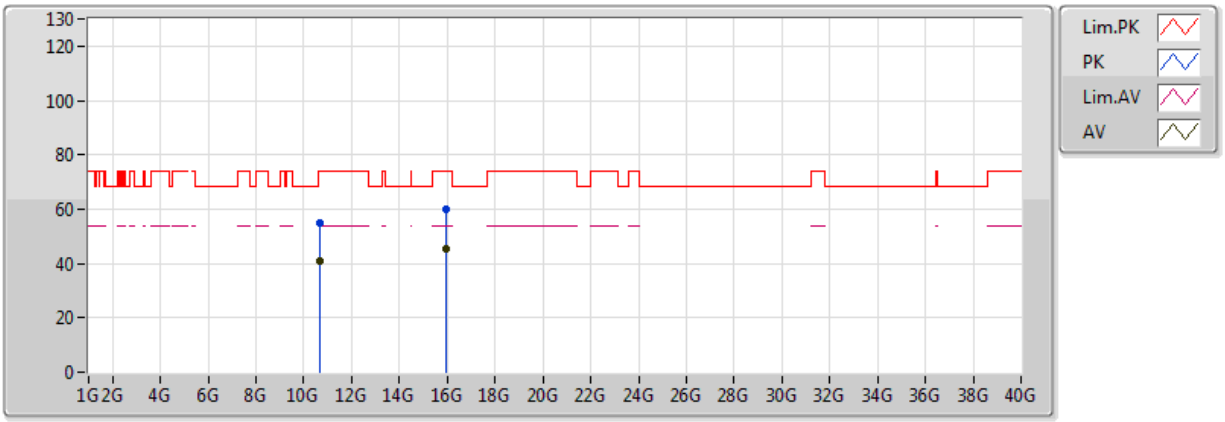


20160217
EUT Y 4TX NON-TXBF
Setting 20
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3252G	102.82	Inf	-Inf	6.57	3	H	99	1.42	-
AV	5.3636G	47.42	54.00	-6.58	6.62	3	H	99	1.42	-
PK	5.3252G	114.43	Inf	-Inf	6.57	3	H	99	1.42	-
PK	5.36G	61.07	74.00	-12.93	6.62	3	H	99	1.42	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

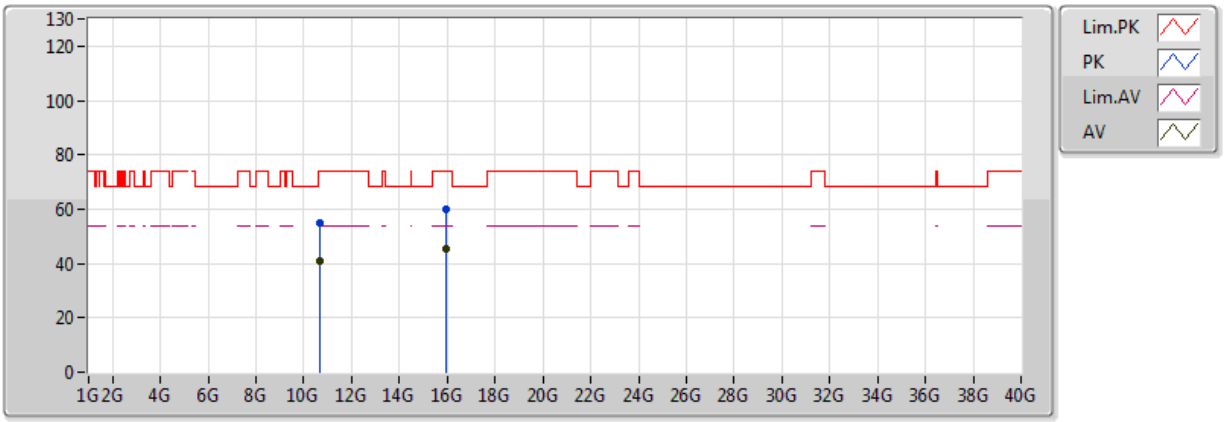


20160217
EUT Y 4TX NON-TXBF
Setting 20
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64092G	41.13	54.00	-12.87	13.43	3	V	159	1.10	-
AV	15.960268G	45.44	54.00	-8.56	15.18	3	V	188	1.66	-
PK	10.640836G	54.94	74.00	-19.06	13.43	3	V	159	1.10	-
PK	15.960056G	59.83	74.00	-14.17	15.18	3	V	188	1.66	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

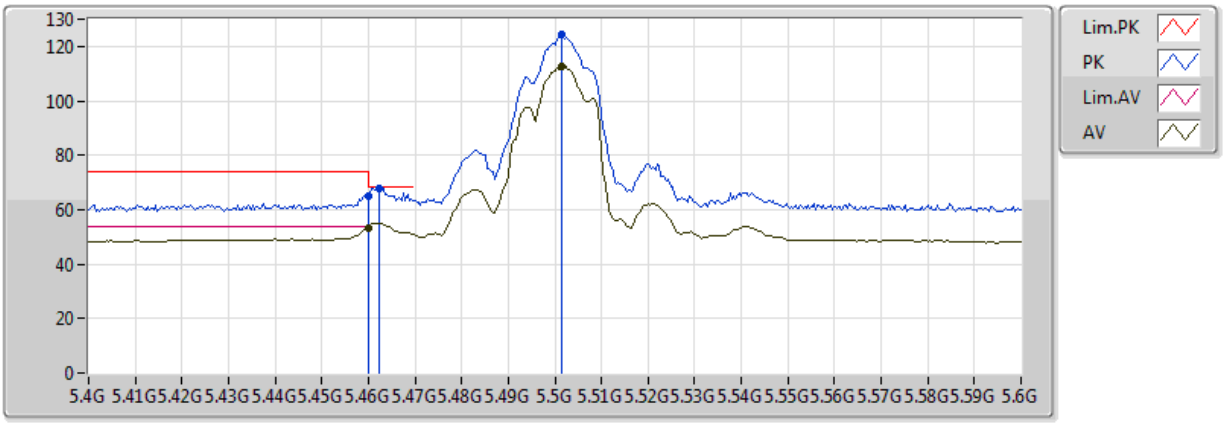


20160217
EUT Y 4TX NON-TXBF
Setting 20
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.640876G	41.18	54.00	-12.82	13.43	3	H	294	1.73	-
AV	15.959376G	45.42	54.00	-8.58	15.18	3	H	32	1.65	-
PK	10.63922G	54.78	74.00	-19.22	13.43	3	H	294	1.73	-
PK	15.959572G	59.70	74.00	-14.30	15.18	3	H	32	1.65	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

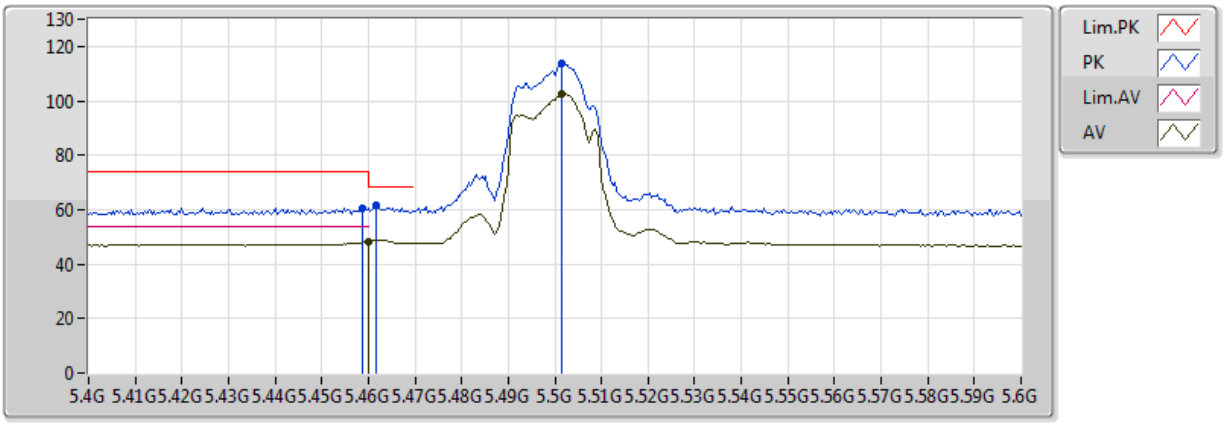


20160217
EUT Y 4TX NON-TXBF
Setting 20.5
03-M-01-10
FSP

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	53.51	54.00	-0.49	6.80	3	V	197	1.42	-
AV	5.5016G	112.73	Inf	-Inf	6.88	3	V	197	1.42	-
PK	5.46G	65.25	74.00	-8.75	6.80	3	V	197	1.42	-
PK	5.4624G	67.94	68.20	-0.26	6.80	3	V	197	1.42	-
PK	5.5016G	124.33	Inf	-Inf	6.88	3	V	197	1.42	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

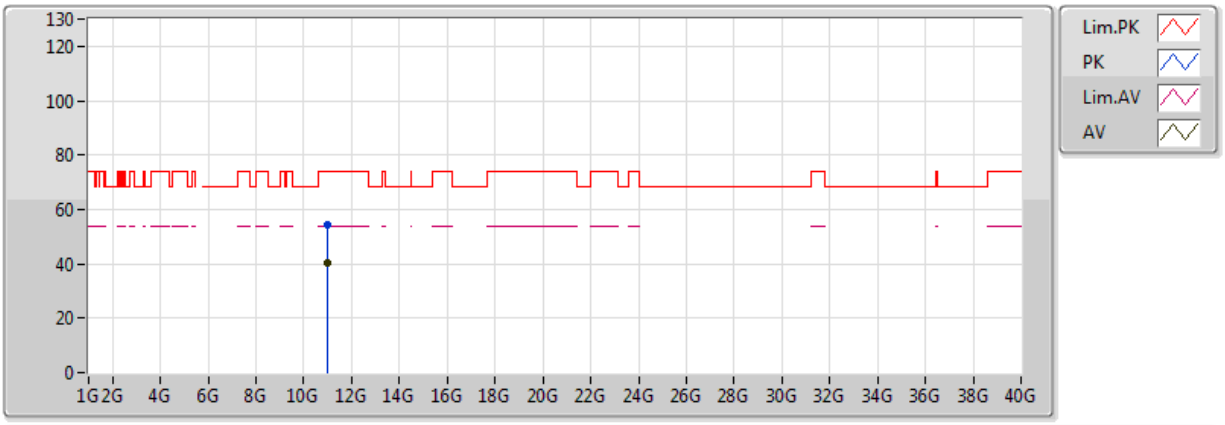


20160217
EUT Y 4TX NON-TXBF
Setting 20.5
03-M-01-10
FSP

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	48.14	54.00	-5.86	6.80	3	H	204	2.81	-
AV	5.5016G	102.48	Inf	-Inf	6.88	3	H	204	2.81	-
PK	5.4588G	60.79	74.00	-13.21	6.79	3	H	204	2.81	-
PK	5.4616G	61.37	68.20	-6.83	6.80	3	H	204	2.81	-
PK	5.5016G	114.03	Inf	-Inf	6.88	3	H	204	2.81	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

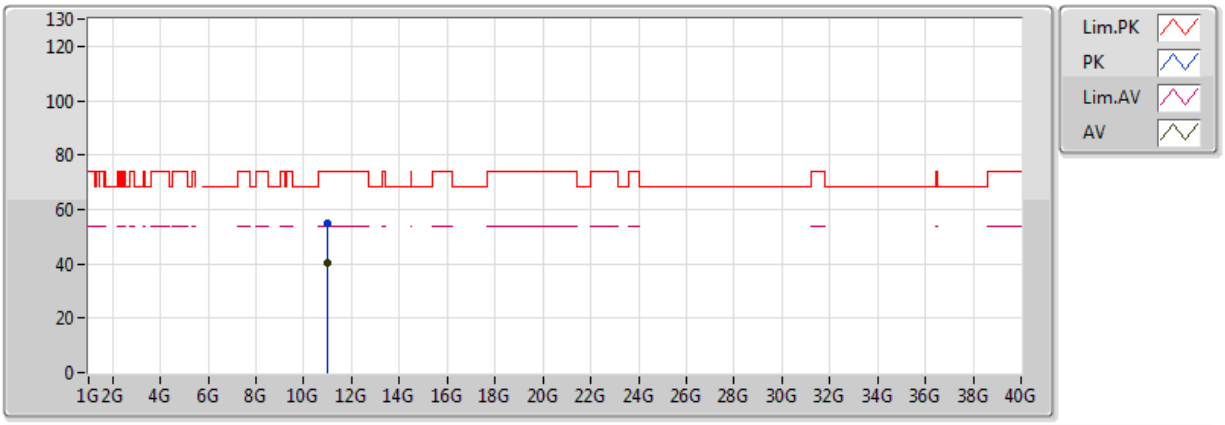


20160217
EUT Y 4TX NON-TXBF
Setting 20.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.001G	40.36	54.00	-13.64	13.74	3	V	133	2.13	-
PK	11.000064G	54.31	74.00	-19.69	13.74	3	V	133	2.13	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5500MHz_TX

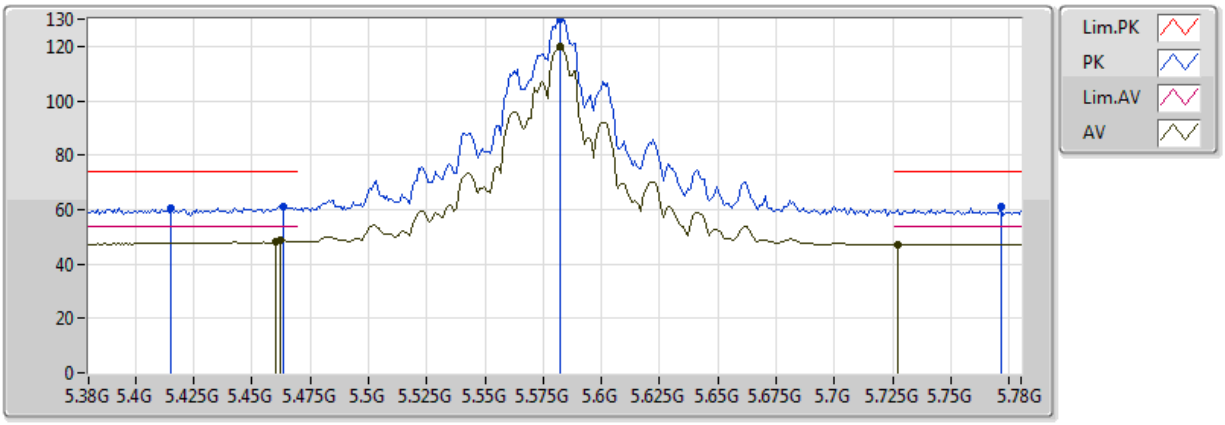


20160217
EUT Y 4TX NON-TXBF
Setting 20.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.999108G	40.40	54.00	-13.60	13.74	3	H	276	2.40	-
PK	11.000904G	54.80	74.00	-19.20	13.74	3	H	276	2.40	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

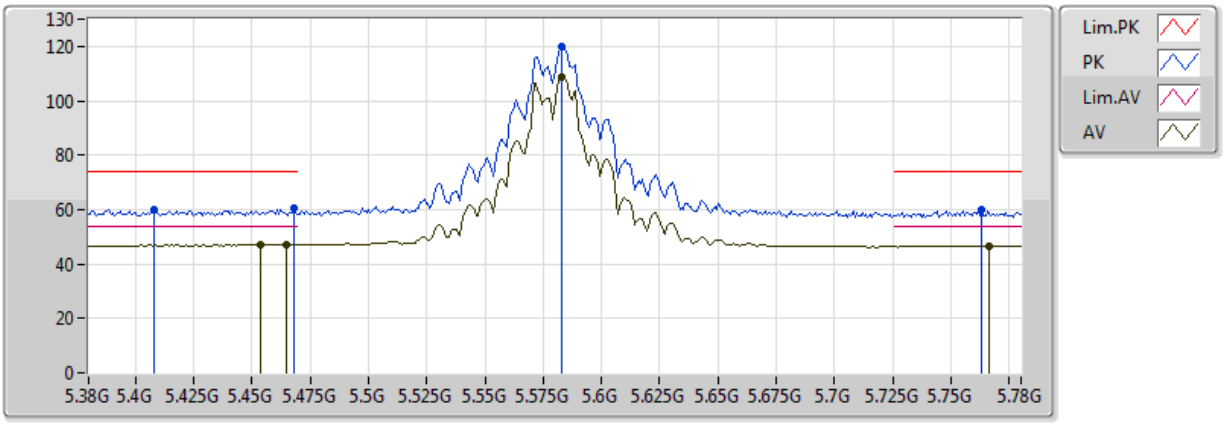


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01-10
FSP

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	48.19	54.00	-5.81	6.80	3	V	198	1.48	-
AV	5.4624G	48.63	54.00	-5.37	6.80	3	V	198	1.48	-
AV	5.5824G	119.85	Inf	-Inf	6.95	3	V	198	1.48	-
AV	5.7272G	47.11	54.00	-6.89	6.98	3	V	198	1.48	-
PK	5.4152G	60.57	74.00	-13.43	6.70	3	V	198	1.48	-
PK	5.4632G	61.10	74.00	-12.90	6.80	3	V	198	1.48	-
PK	5.5824G	129.82	Inf	-Inf	6.95	3	V	198	1.48	-
PK	5.7712G	61.11	74.00	-12.89	6.98	3	V	198	1.48	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

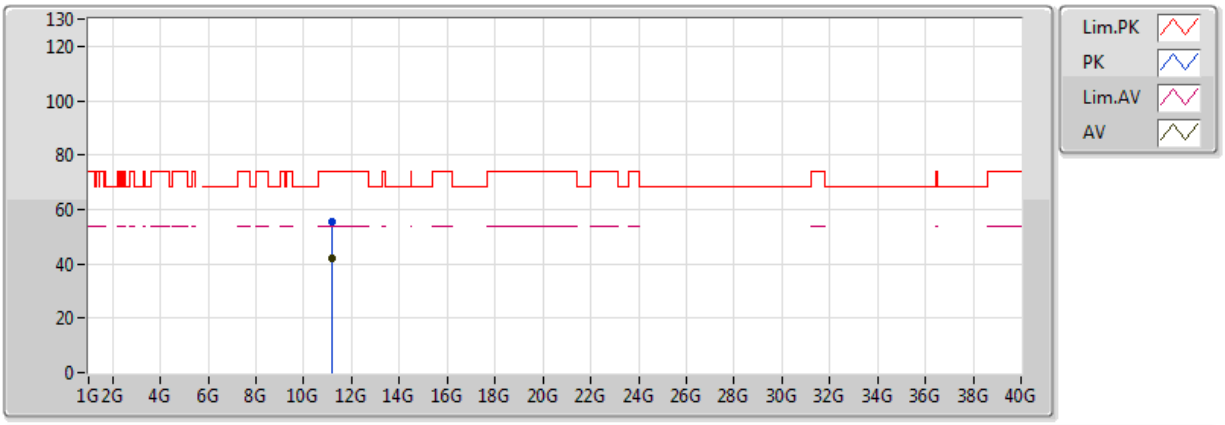


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4536G	47.01	54.00	-6.99	6.78	3	H	239	1.74	-
AV	5.5832G	108.80	Inf	-Inf	6.95	3	H	239	1.74	-
AV	5.7664G	46.49	54.00	-7.51	6.98	3	H	239	1.74	-
PK	5.408G	59.80	74.00	-14.20	6.69	3	H	239	1.74	-
PK	5.468G	60.67	74.00	-13.33	6.81	3	H	239	1.74	-
PK	5.5832G	119.81	Inf	-Inf	6.95	3	H	239	1.74	-
PK	5.7632G	59.93	74.00	-14.07	6.98	3	H	239	1.74	-
AV	5.4648G	47.00	54.00	-7.00	6.81	3	H	239	1.74	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

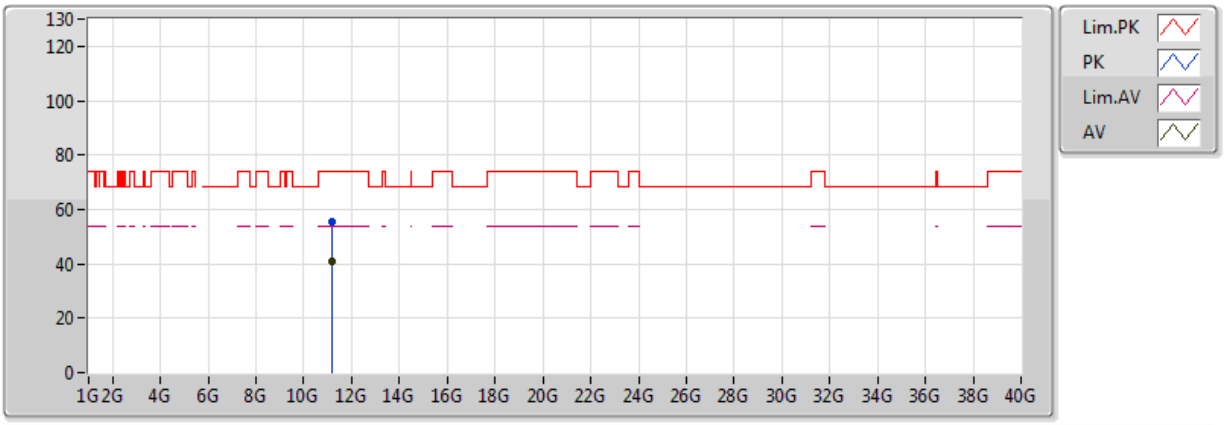


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15944G	41.79	54.00	-12.21	13.80	3	V	81	2.10	-
PK	11.160332G	55.28	74.00	-18.72	13.80	3	V	81	2.10	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

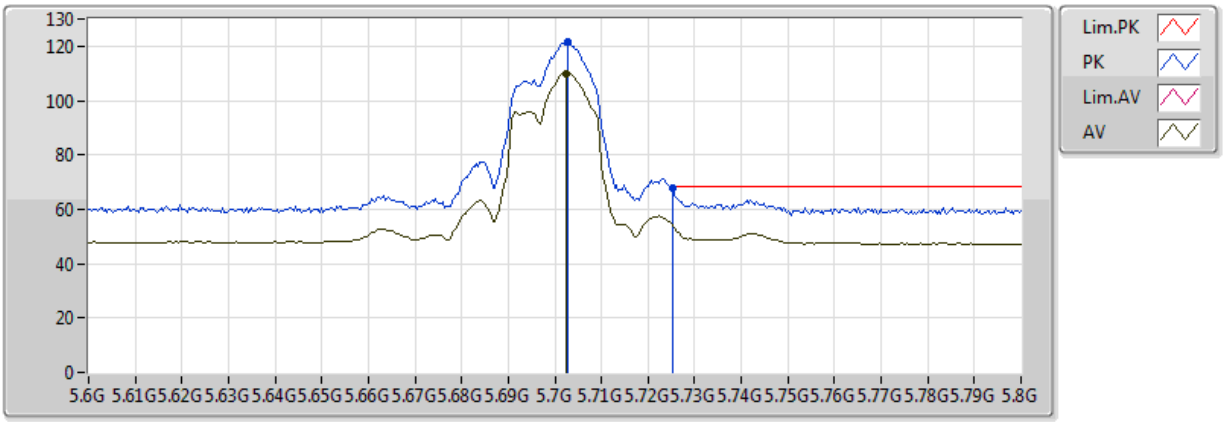


20160217
EUT Y 4TX NON-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.159348G	41.05	54.00	-12.95	13.80	3	H	70	1.55	-
PK	11.15922G	55.21	74.00	-18.79	13.80	3	H	70	1.55	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

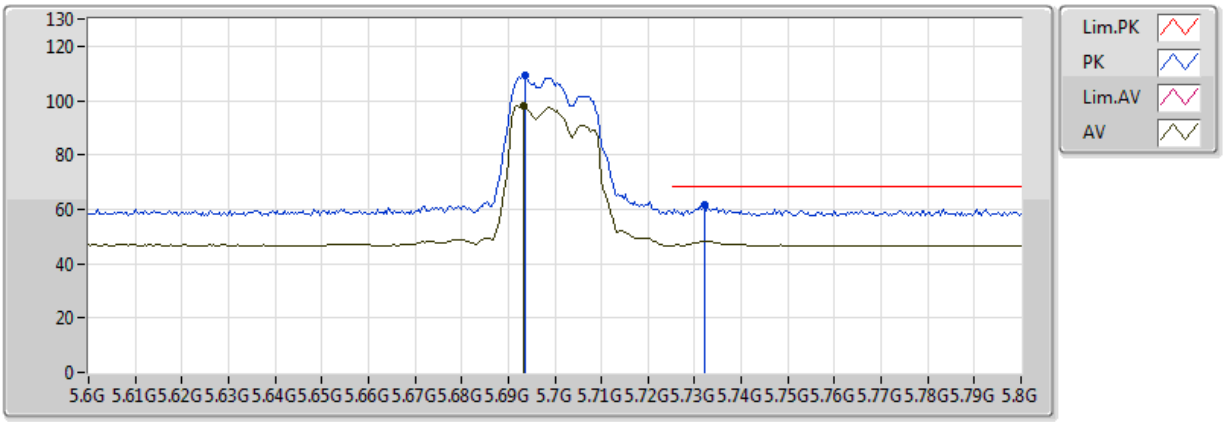


20160217
EUT Y 4TX NON-TXBF
Setting 18.5
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7024G	109.92	Inf	-Inf	6.98	3	V	190	1.34	-
PK	5.7028G	121.46	Inf	-Inf	6.98	3	V	190	1.34	-
PK	5.7252G	67.96	68.20	-0.24	6.98	3	V	190	1.34	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

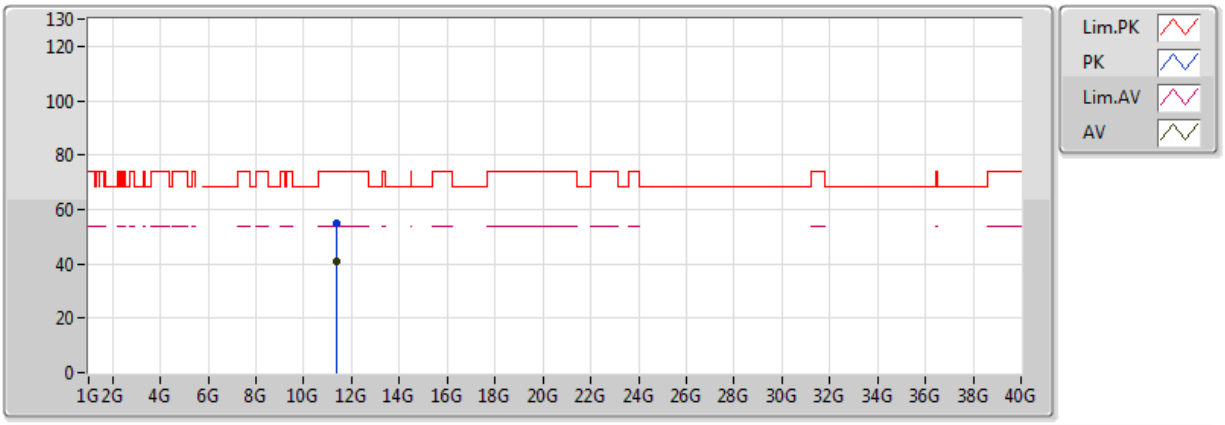


20160217
EUT Y 4TX NON-TXBF
Setting 18.5
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6932G	98.04	Inf	-Inf	6.98	3	H	231	2.25	-
PK	5.6936G	109.28	Inf	-Inf	6.98	3	H	231	2.25	-
PK	5.732G	61.55	68.20	-6.65	6.98	3	H	231	2.25	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

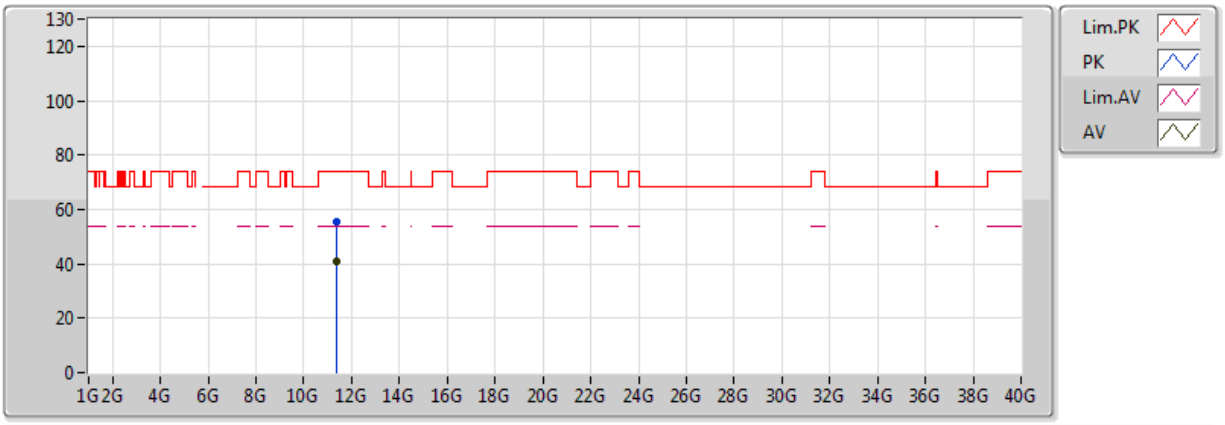


20160217
EUT Y 4TX NON-TXBF
Setting 18.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.39908G	40.95	54.00	-13.05	13.89	3	V	318	2.48	-
PK	11.400108G	55.07	74.00	-18.93	13.89	3	V	318	2.48	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5700MHz_TX

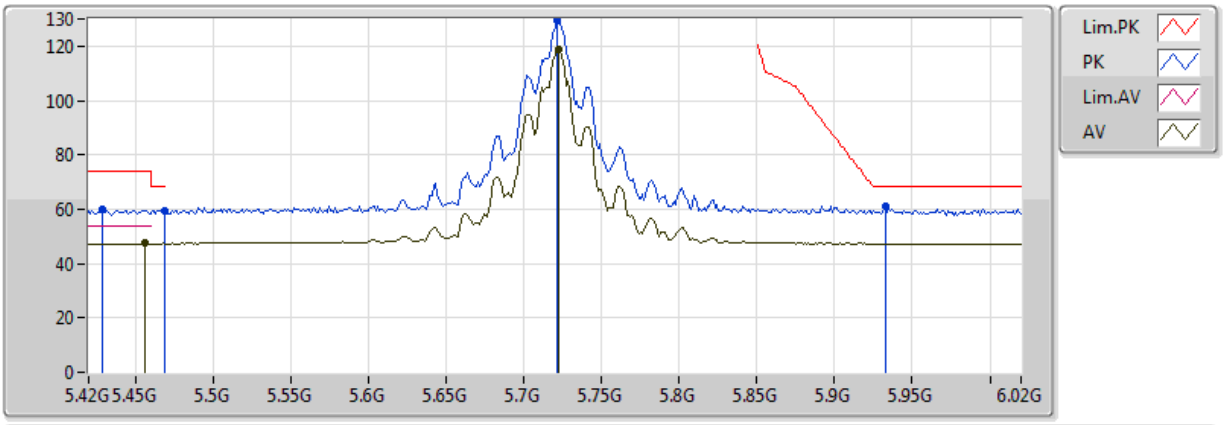


20160217
EUT Y 4TX NON-TXBF
Setting 18.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.399012G	40.98	54.00	-13.02	13.89	3	H	146	1.26	-
PK	11.400924G	55.37	74.00	-18.63	13.89	3	H	146	1.26	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz_TX

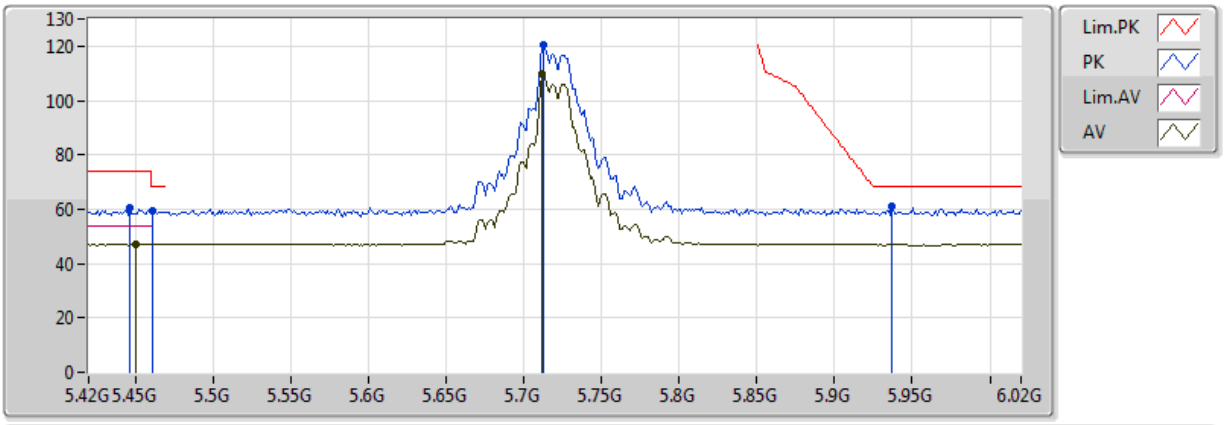


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.456G	47.38	54.00	-6.62	6.79	3	V	191	1.31	-
AV	5.7224G	118.81	Inf	-Inf	6.98	3	V	191	1.31	-
PK	5.4284G	59.80	74.00	-14.20	6.73	3	V	191	1.31	-
PK	5.4692G	59.39	68.20	-8.81	6.82	3	V	191	1.31	-
PK	5.7212G	129.44	Inf	-Inf	6.98	3	V	191	1.31	-
PK	5.9324G	61.05	68.20	-7.15	6.92	3	V	191	1.31	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz_TX

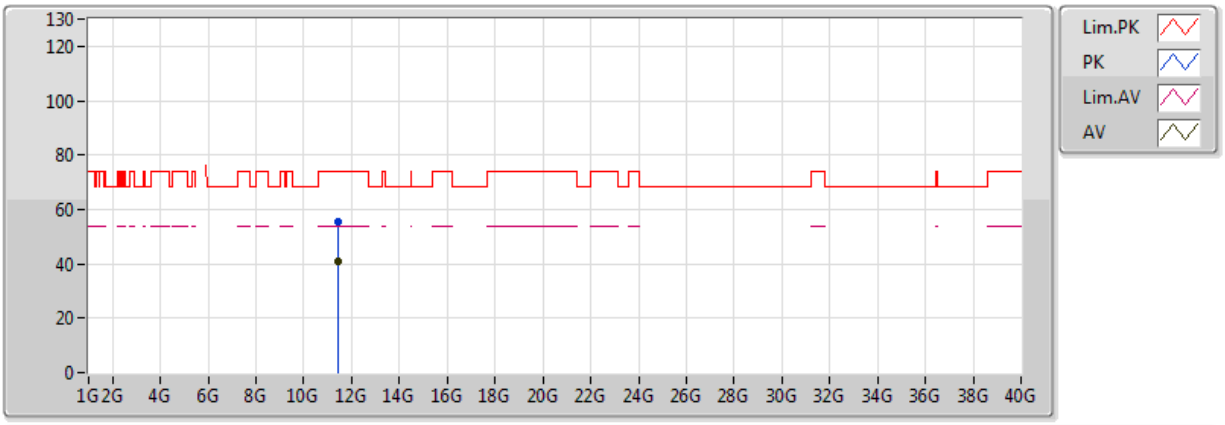


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.45G	46.95	54.00	-7.05	6.78	3	H	233	2.07	-
AV	5.7116G	110.03	Inf	-Inf	6.98	3	H	233	2.07	-
PK	5.4464G	60.58	74.00	-13.42	6.77	3	H	233	2.07	-
PK	5.4608G	59.52	68.20	-8.68	6.80	3	H	233	2.07	-
PK	5.7128G	120.57	Inf	-Inf	6.98	3	H	233	2.07	-
PK	5.9372G	60.84	68.20	-7.36	6.92	3	H	233	2.07	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz_TX

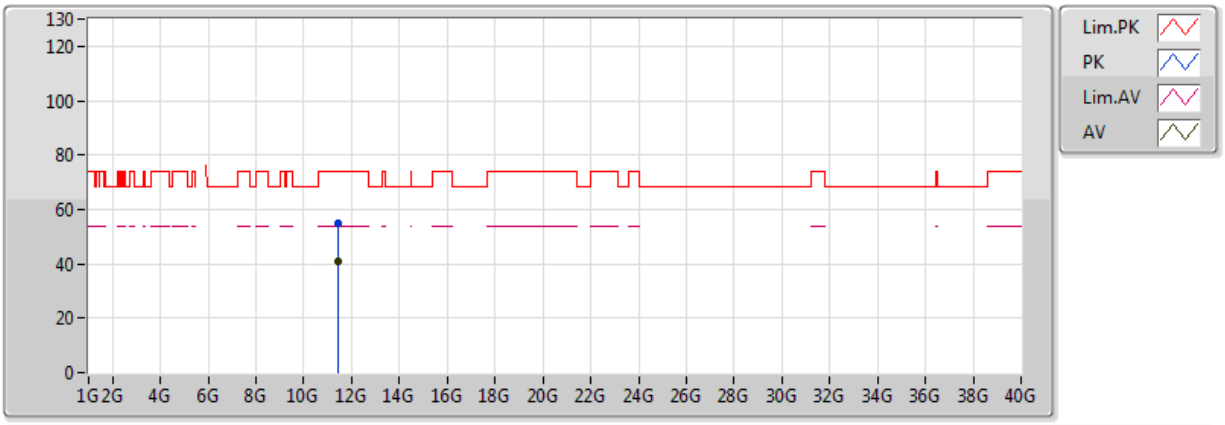


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.439416G	40.91	54.00	-13.09	13.91	3	V	247	1.05	-
PK	11.439912G	55.74	74.00	-18.26	13.91	3	V	247	1.05	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz_TX

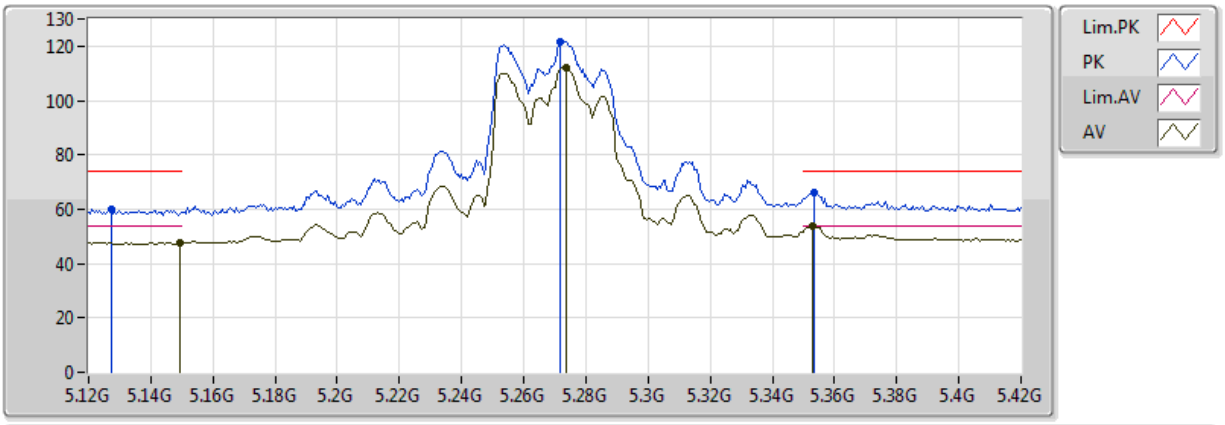


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.439484G	40.91	54.00	-13.09	13.91	3	H	142	1.95	-
PK	11.440976G	54.93	74.00	-19.07	13.91	3	H	142	1.95	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

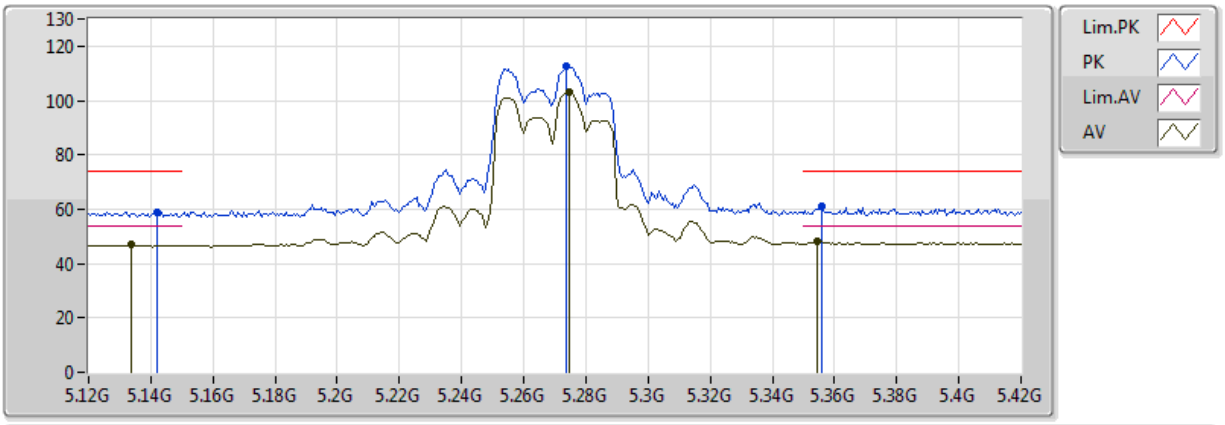


20160217
EUT Y 4TX Non-TXBF
Setting 22
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1494G	47.61	54.00	-6.39	6.30	3	V	201	1.36	-
AV	5.2736G	112.06	Inf	-Inf	6.50	3	V	201	1.36	-
AV	5.3528G	53.77	54.00	-0.23	6.61	3	V	201	1.36	-
PK	5.1272G	60.09	74.00	-13.91	6.27	3	V	201	1.36	-
PK	5.2718G	121.82	Inf	-Inf	6.50	3	V	201	1.36	-
PK	5.3534G	65.85	74.00	-8.15	6.61	3	V	201	1.36	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

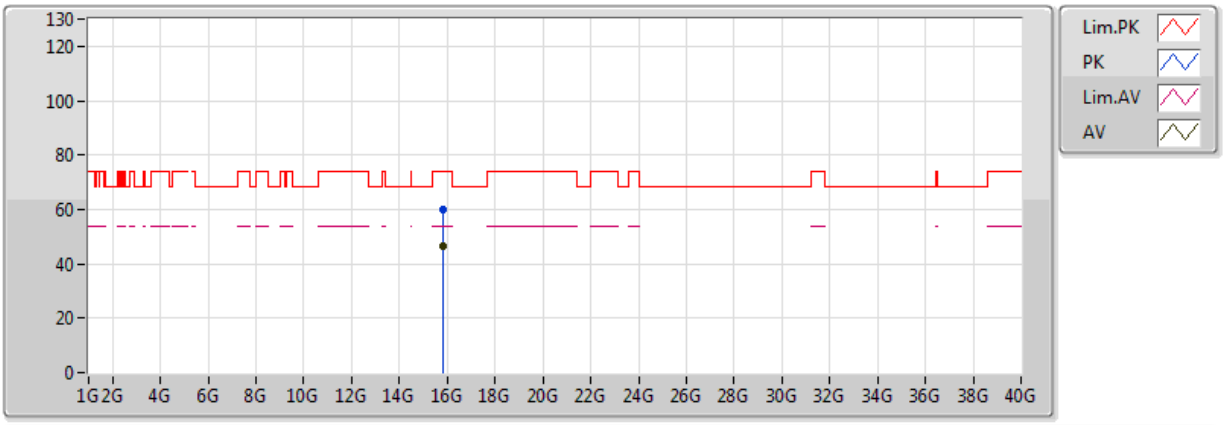


20160217
EUT Y 4TX Non-TXBF
Setting 22
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1338G	46.79	54.00	-7.21	6.28	3	H	99	1.48	-
AV	5.2748G	103.15	Inf	-Inf	6.50	3	H	99	1.48	-
AV	5.3546G	48.02	54.00	-5.98	6.61	3	H	99	1.48	-
PK	5.1422G	58.90	74.00	-15.10	6.29	3	H	99	1.48	-
PK	5.2736G	112.79	Inf	-Inf	6.50	3	H	99	1.48	-
PK	5.3558G	60.94	74.00	-13.06	6.61	3	H	99	1.48	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

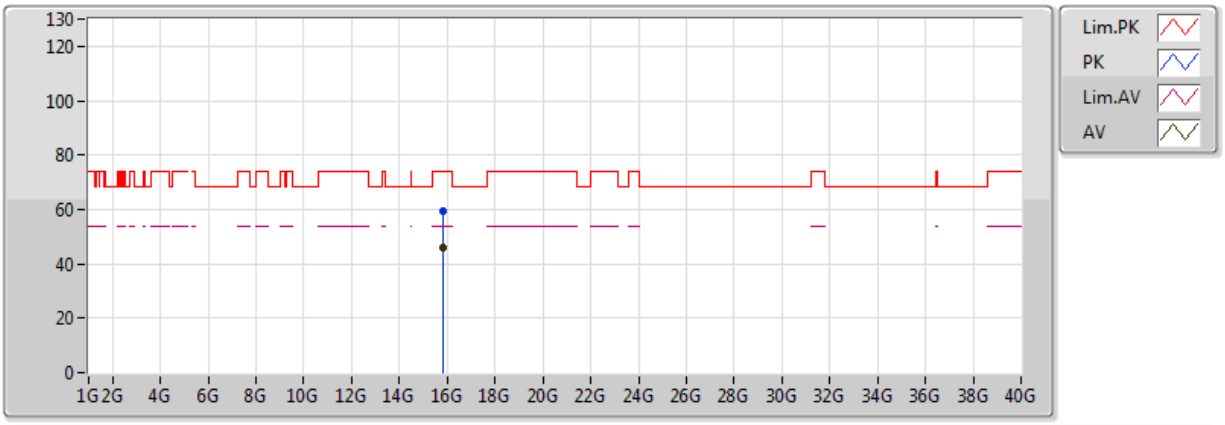


20160217
EUT Y 4TX Non-TXBF
Setting 22
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.809236G	46.23	54.00	-7.77	15.48	3	V	222	2.38	-
PK	15.81028G	59.86	74.00	-14.14	15.48	3	V	222	2.38	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_TX

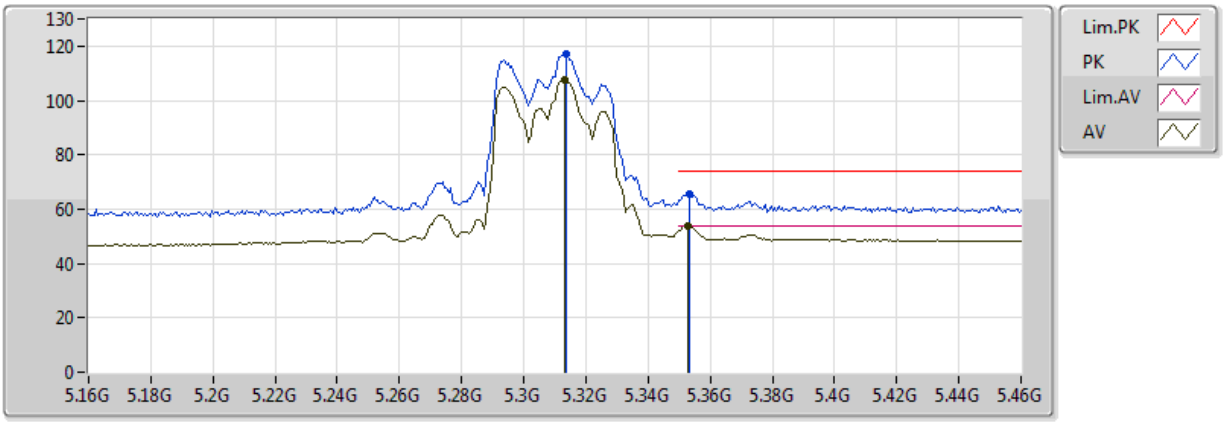


20160217
EUT Y 4TX Non-TXBF
Setting 22
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.810732G	46.08	54.00	-7.92	15.48	3	H	137	1.48	-
PK	15.8096G	59.47	74.00	-14.53	15.48	3	H	137	1.48	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

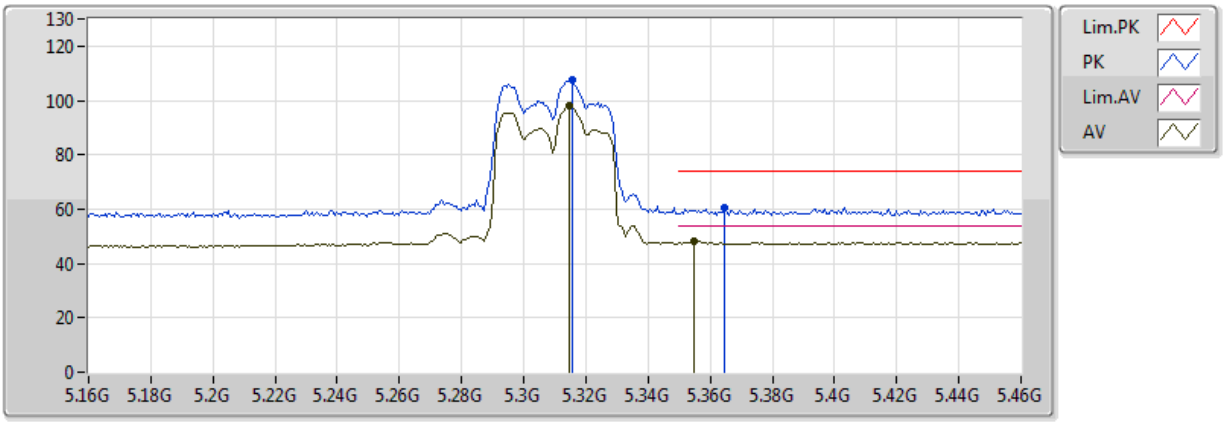


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.313G	107.43	Inf	-Inf	6.56	3	V	201	1.30	-
AV	5.3526G	53.98	54.00	-0.02	6.61	3	V	201	1.30	-
PK	5.3136G	117.00	Inf	-Inf	6.56	3	V	201	1.30	-
PK	5.3532G	65.68	74.00	-8.32	6.61	3	V	201	1.30	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

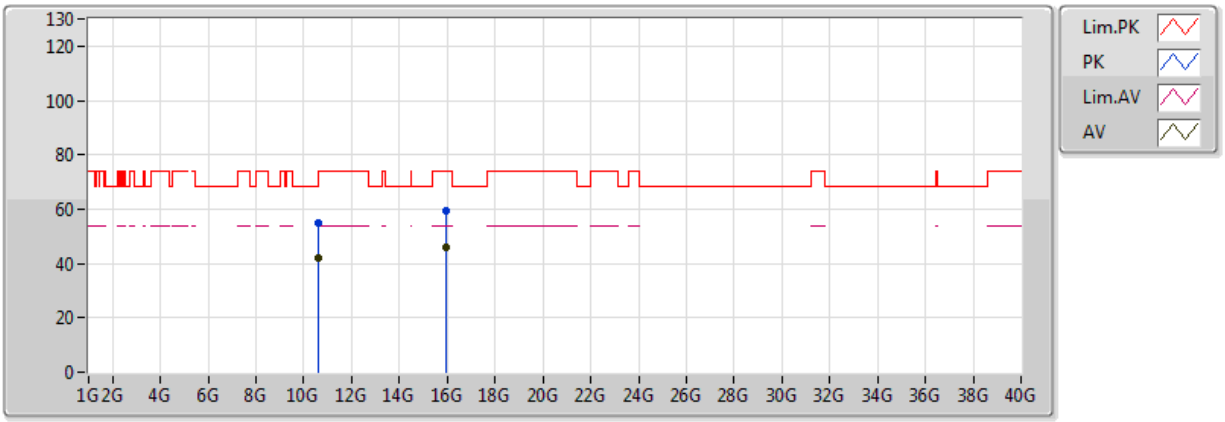


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3148G	97.91	Inf	-Inf	6.56	3	H	98	1.39	-
AV	5.355G	48.41	54.00	-5.59	6.61	3	H	98	1.39	-
PK	5.3154G	107.41	Inf	-Inf	6.56	3	H	98	1.39	-
PK	5.3646G	60.49	74.00	-13.51	6.62	3	H	98	1.39	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

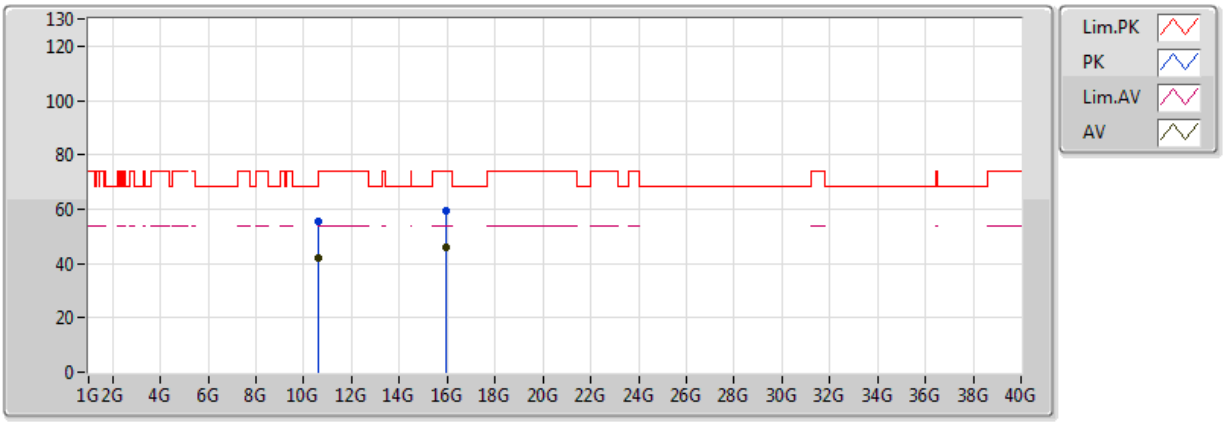


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.619332G	42.00	54.00	-12.00	13.42	3	V	59	1.42	-
AV	15.929788G	46.13	54.00	-7.87	15.24	3	V	203	2.06	-
PK	10.619784G	55.09	74.00	-18.91	13.42	3	V	59	1.42	-
PK	15.929544G	59.43	74.00	-14.57	15.24	3	V	203	2.06	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_TX

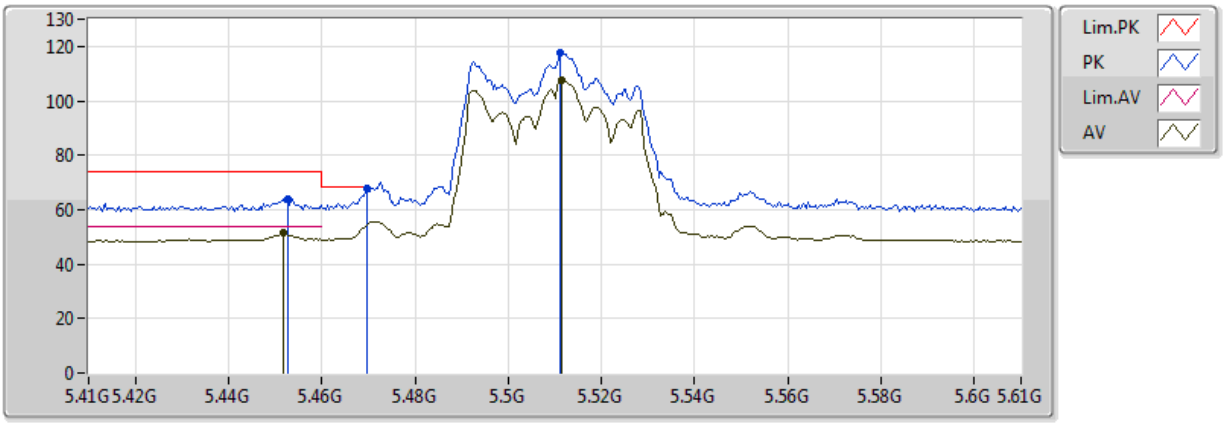


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.619732G	42.11	54.00	-11.89	13.42	3	H	95	1.93	-
AV	15.929444G	46.18	54.00	-7.82	15.24	3	H	82	1.04	-
PK	10.619108G	55.34	74.00	-18.66	13.42	3	H	95	1.93	-
PK	15.930028G	59.34	74.00	-14.66	15.24	3	H	82	1.04	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

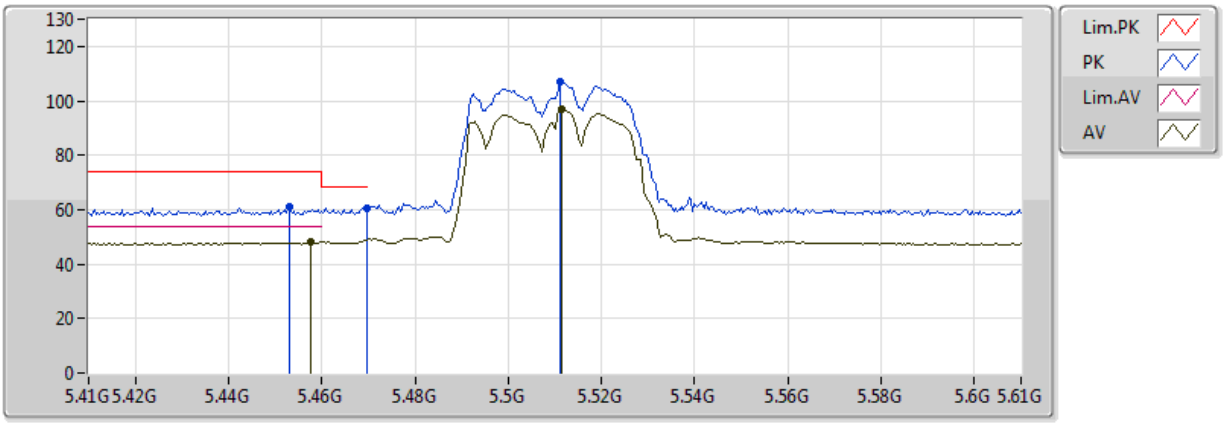


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4516G	51.40	54.00	-2.60	6.78	3	V	199	1.39	-
AV	5.5116G	107.52	Inf	-Inf	6.89	3	V	199	1.39	-
PK	5.4528G	63.72	74.00	-10.28	6.78	3	V	199	1.39	-
PK	5.4696G	67.87	68.20	-0.33	6.82	3	V	199	1.39	-
PK	5.5112G	117.50	Inf	-Inf	6.89	3	V	199	1.39	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

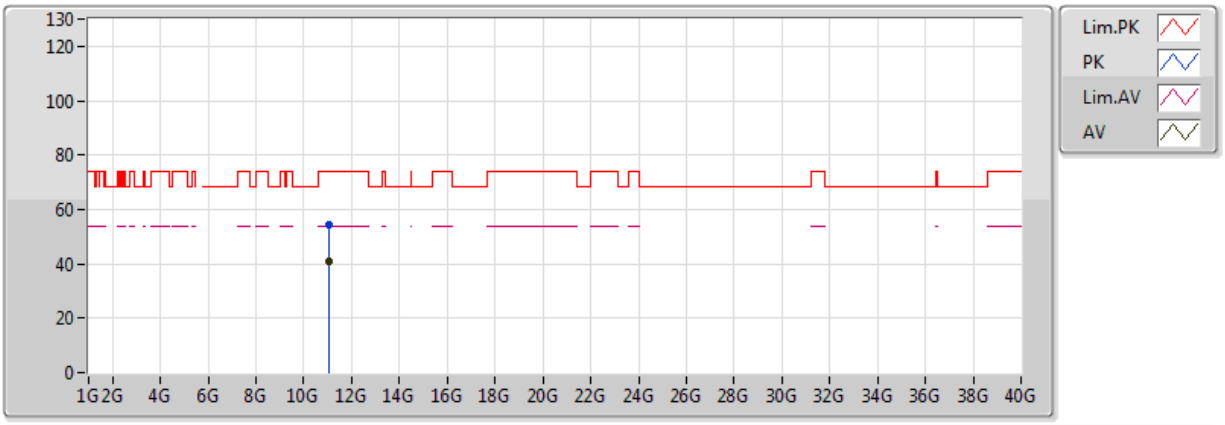


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4576G	48.14	54.00	-5.86	6.79	3	H	233	1.40	-
AV	5.5116G	97.12	Inf	-Inf	6.89	3	H	233	1.40	-
PK	5.4532G	61.02	74.00	-12.98	6.78	3	H	233	1.40	-
PK	5.4696G	60.50	68.20	-7.70	6.82	3	H	233	1.40	-
PK	5.5112G	106.83	Inf	-Inf	6.89	3	H	233	1.40	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

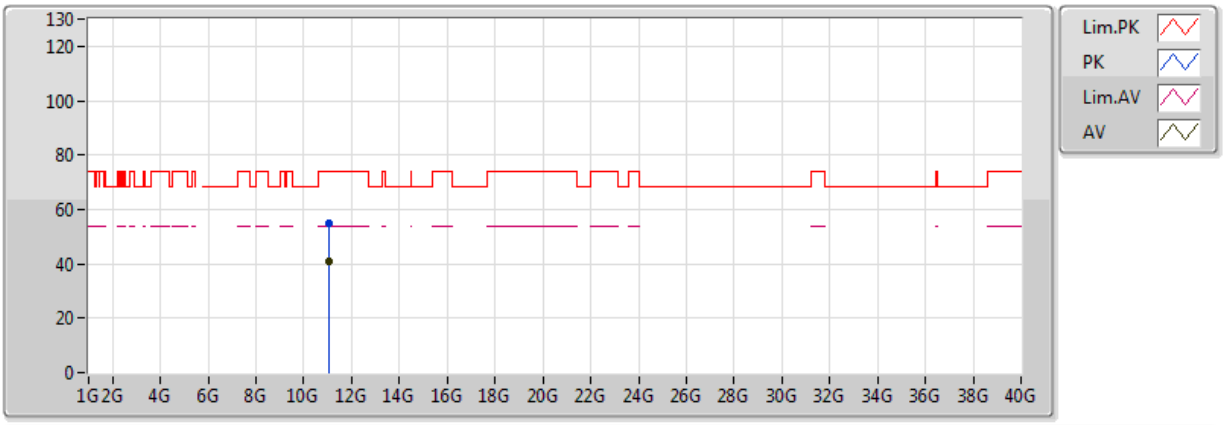


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.020788G	41.13	54.00	-12.87	13.75	3	V	160	1.02	-
PK	11.02068G	54.40	74.00	-19.60	13.75	3	V	160	1.02	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX

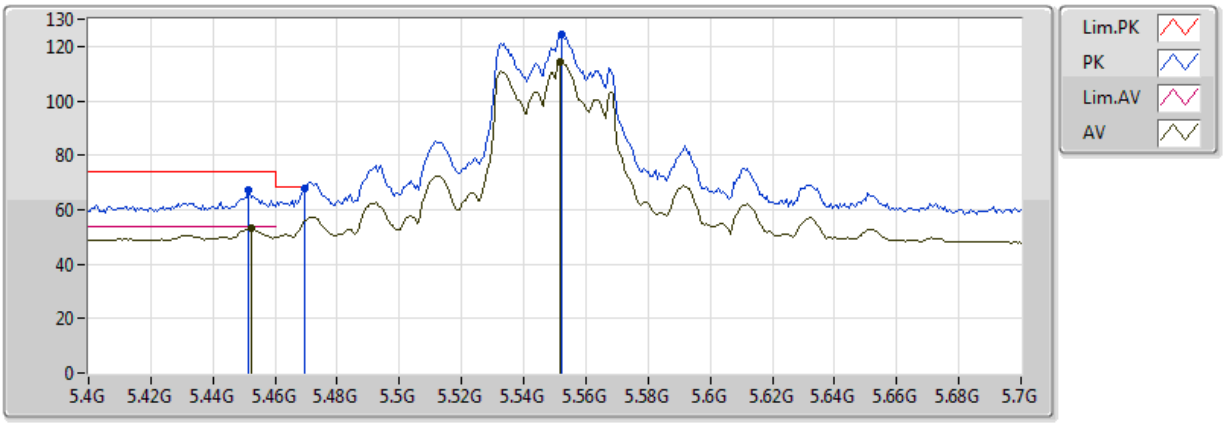


20160217
EUT Y 4TX Non-TXBF
Setting 17
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.020896G	41.04	54.00	-12.96	13.75	3	H	278	2.24	-
PK	11.020696G	54.99	74.00	-19.01	13.75	3	H	278	2.24	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

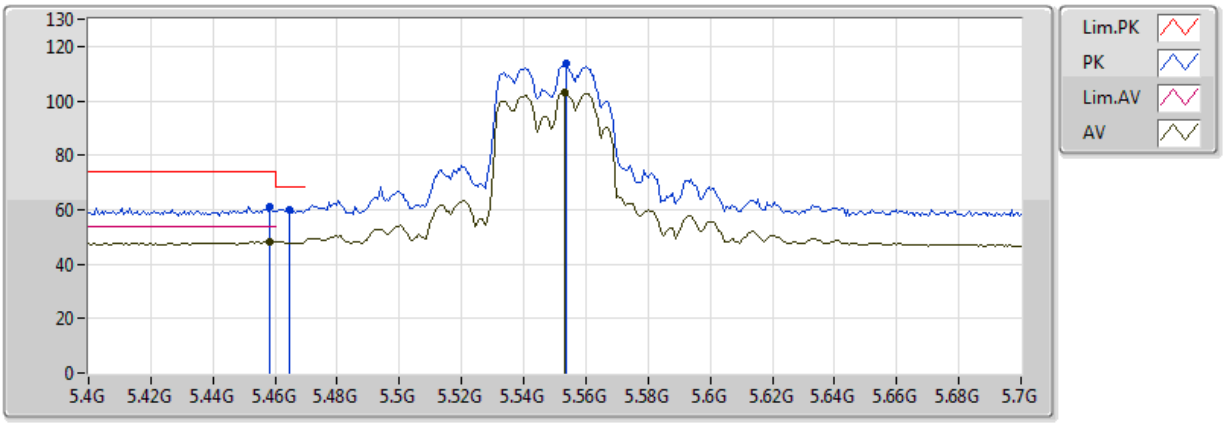


20160217
EUT Y 4TX Non-TXBF
Setting 24
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4522G	53.30	54.00	-0.70	6.78	3	V	192	1.34	-
AV	5.5518G	114.36	Inf	-Inf	6.93	3	V	192	1.34	-
PK	5.4516G	67.37	74.00	-6.63	6.78	3	V	192	1.34	-
PK	5.4696G	67.71	68.20	-0.49	6.82	3	V	192	1.34	-
PK	5.5524G	124.17	Inf	-Inf	6.93	3	V	192	1.34	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

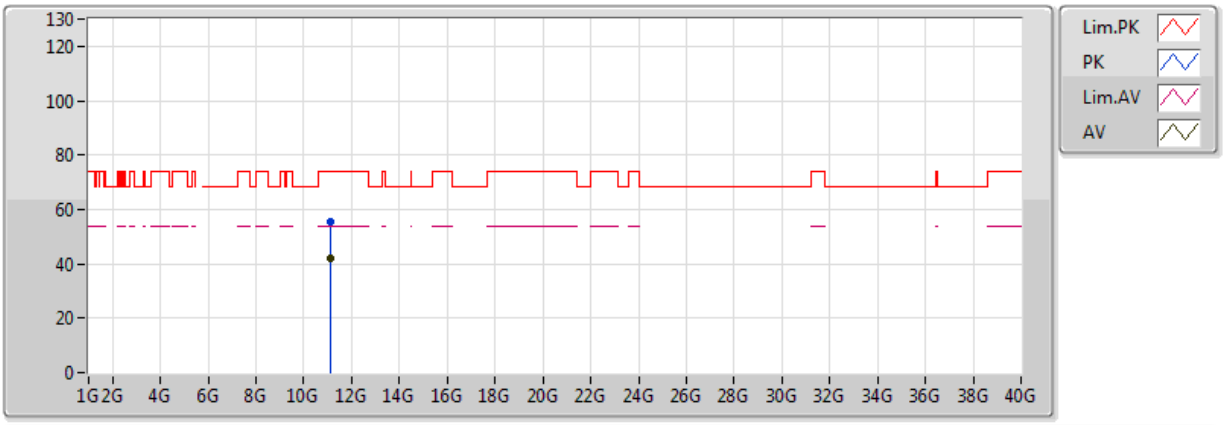


20160217
EUT Y 4TX Non-TXBF
Setting 24
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4582G	48.41	54.00	-5.59	6.79	3	H	238	1.79	-
AV	5.553G	103.16	Inf	-Inf	6.93	3	H	238	1.79	-
PK	5.4582G	61.18	74.00	-12.82	6.79	3	H	238	1.79	-
PK	5.4648G	59.98	68.20	-8.22	6.81	3	H	238	1.79	-
PK	5.5536G	113.47	Inf	-Inf	6.93	3	H	238	1.79	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

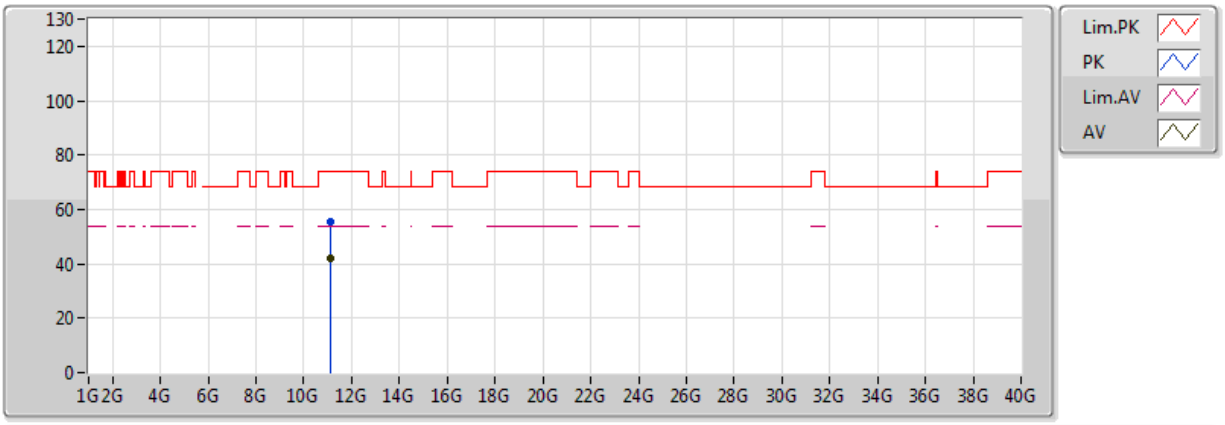


20160217
EUT Y 4TX Non-TXBF
Setting 24
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.099488G	41.95	54.00	-12.05	13.78	3	V	320	1.16	-
PK	11.099436G	55.57	74.00	-18.43	13.78	3	V	320	1.16	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5550MHz_TX

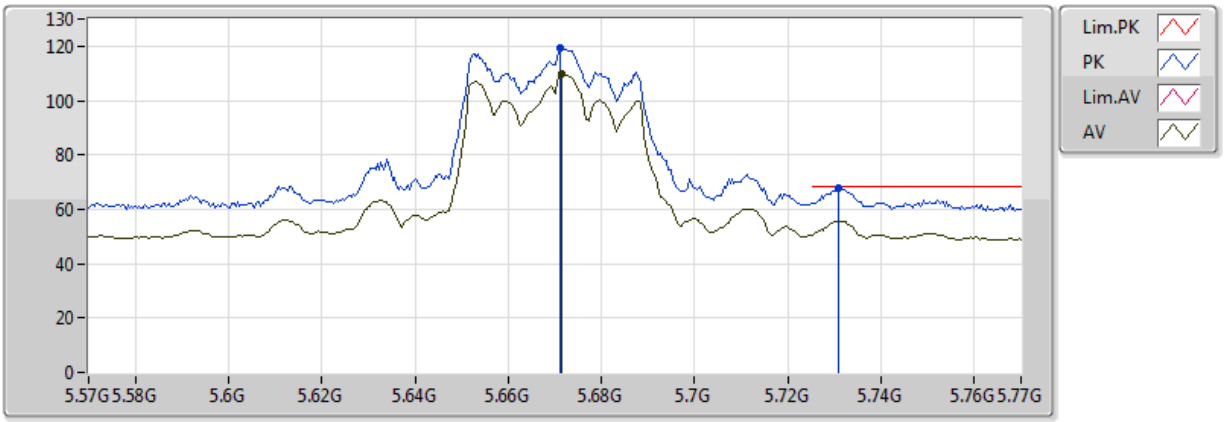


20160217
EUT Y 4TX Non-TXBF
Setting 24
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.100192G	41.86	54.00	-12.14	13.78	3	H	63	1.67	-
PK	11.09966G	55.28	74.00	-18.72	13.78	3	H	63	1.67	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

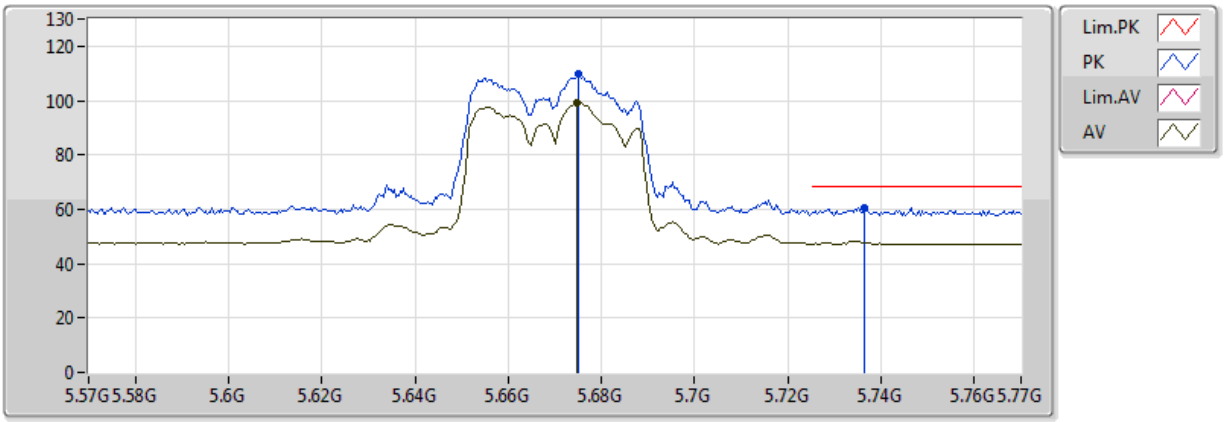


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6716G	109.66	Inf	-Inf	6.98	3	V	194	1.27	-
PK	5.6712G	119.22	Inf	-Inf	6.98	3	V	194	1.27	-
PK	5.7308G	67.87	68.20	-0.33	6.98	3	V	194	1.27	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

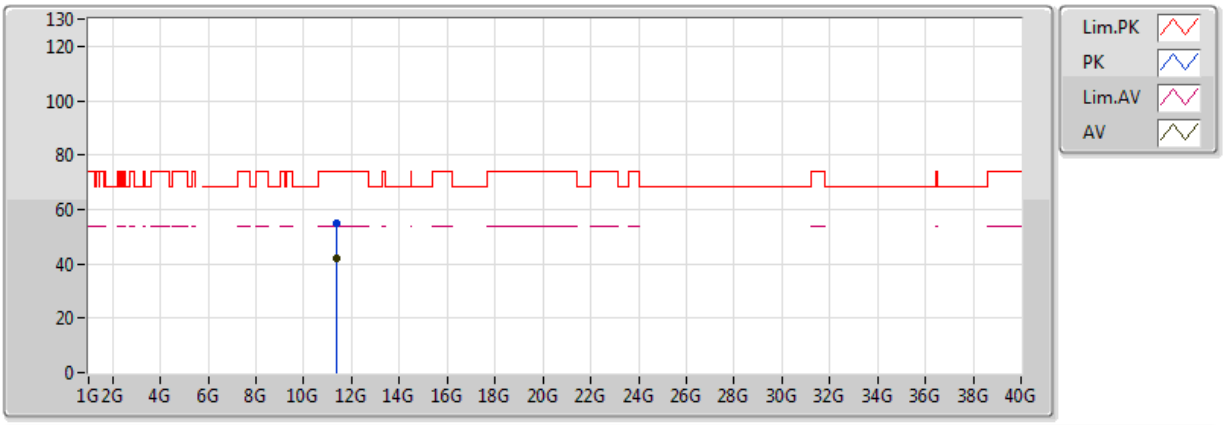


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6748G	99.23	Inf	-Inf	6.98	3	H	330	1.84	-
PK	5.6752G	109.62	Inf	-Inf	6.98	3	H	330	1.84	-
PK	5.7364G	60.39	68.20	-7.81	6.98	3	H	330	1.84	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

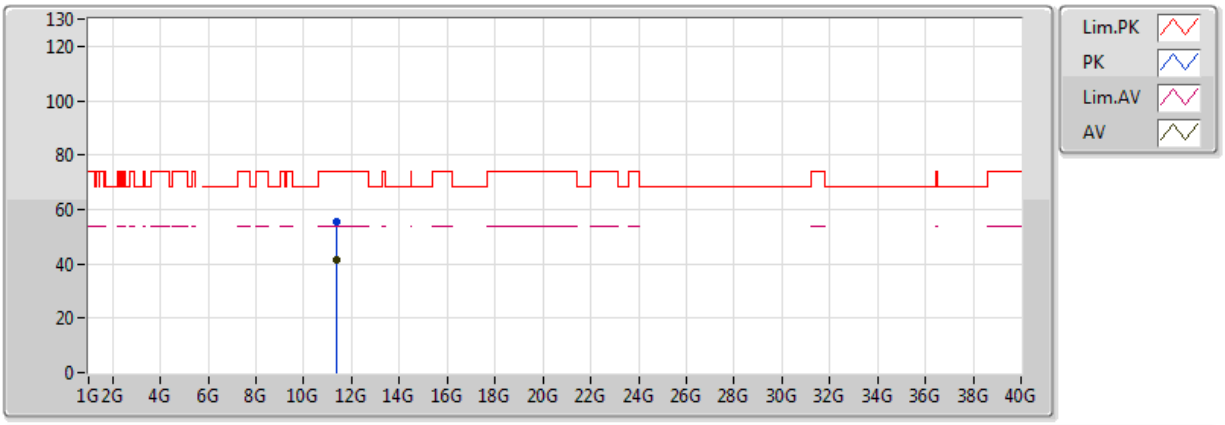


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.341G	41.93	54.00	-12.07	13.87	3	V	269	1.75	-
PK	11.339952G	54.65	74.00	-19.35	13.87	3	V	269	1.75	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5670MHz_TX

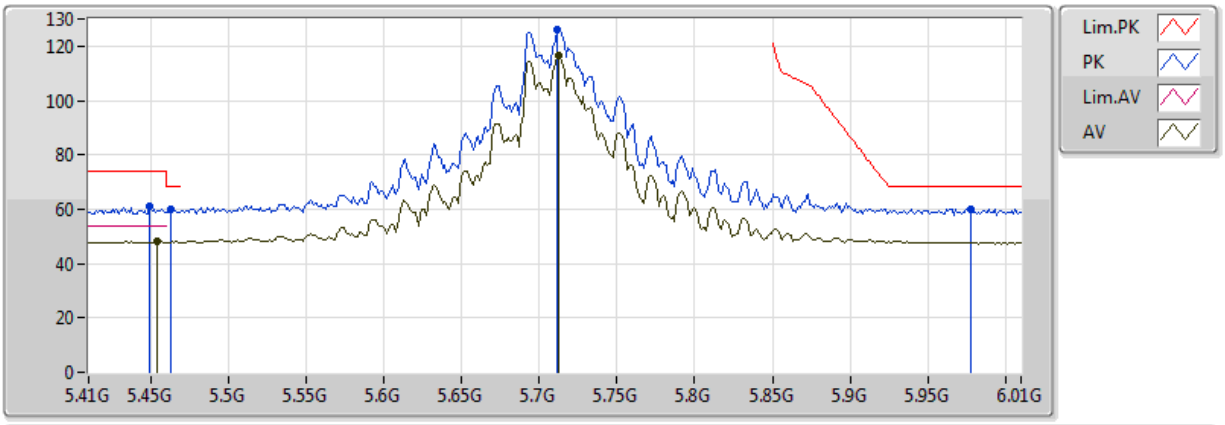


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.340816G	41.72	54.00	-12.28	13.87	3	H	17	2.31	-
PK	11.339816G	55.41	74.00	-18.59	13.87	3	H	17	2.31	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz_TX

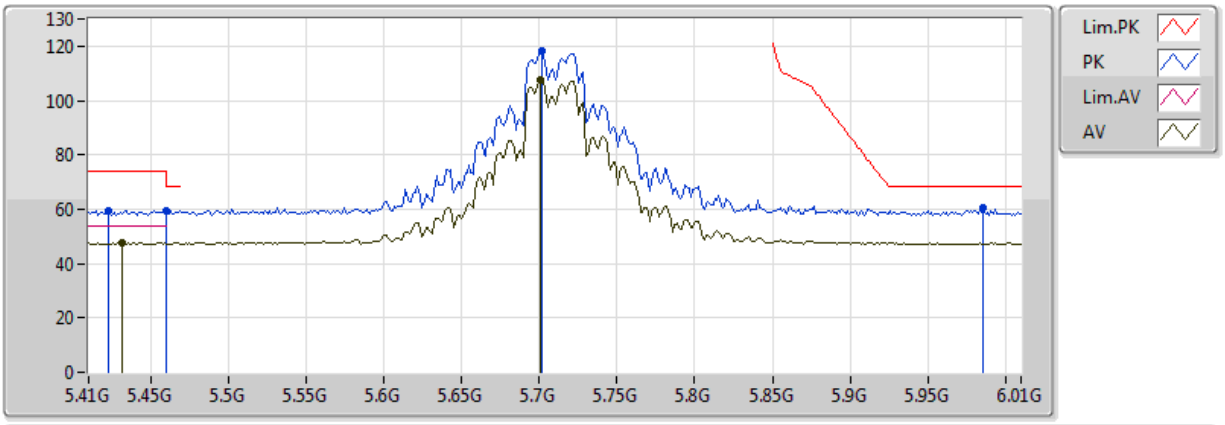


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4544G	48.20	54.00	-5.80	6.78	3	V	192	1.39	-
AV	5.7124G	116.54	Inf	-Inf	6.98	3	V	192	1.39	-
PK	5.4496G	60.87	74.00	-13.13	6.77	3	V	192	1.39	-
PK	5.4628G	59.90	68.20	-8.30	6.80	3	V	192	1.39	-
PK	5.7112G	126.28	Inf	-Inf	6.98	3	V	192	1.39	-
PK	5.9776G	59.99	68.20	-8.21	6.90	3	V	192	1.39	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz_TX

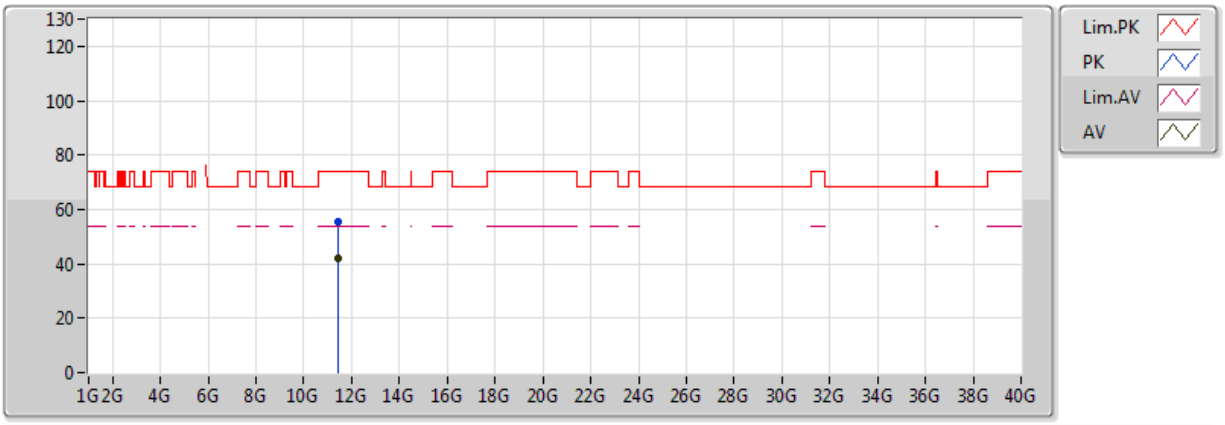


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4316G	47.58	54.00	-6.42	6.74	3	H	233	1.89	-
AV	5.7004G	107.80	Inf	-Inf	6.98	3	H	233	1.89	-
PK	5.4232G	59.52	74.00	-14.48	6.72	3	H	233	1.89	-
PK	5.4604G	59.26	68.20	-8.94	6.80	3	H	233	1.89	-
PK	5.7016G	118.15	Inf	-Inf	6.98	3	H	233	1.89	-
PK	5.986G	60.34	68.20	-7.86	6.90	3	H	233	1.89	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz_TX

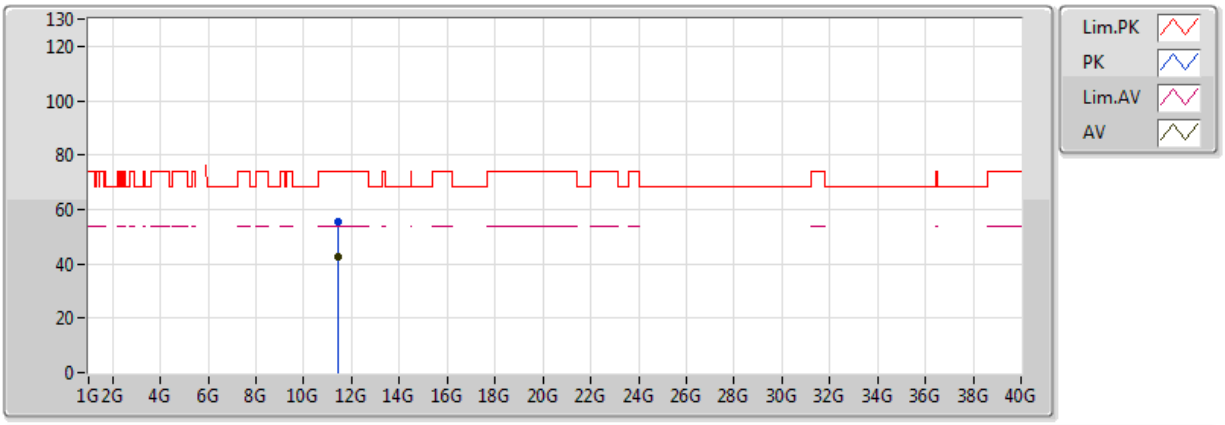


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.420876G	41.89	54.00	-12.11	13.90	3	V	99	2.12	-
PK	11.42038G	55.25	74.00	-18.75	13.90	3	V	99	2.12	-

802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz_TX

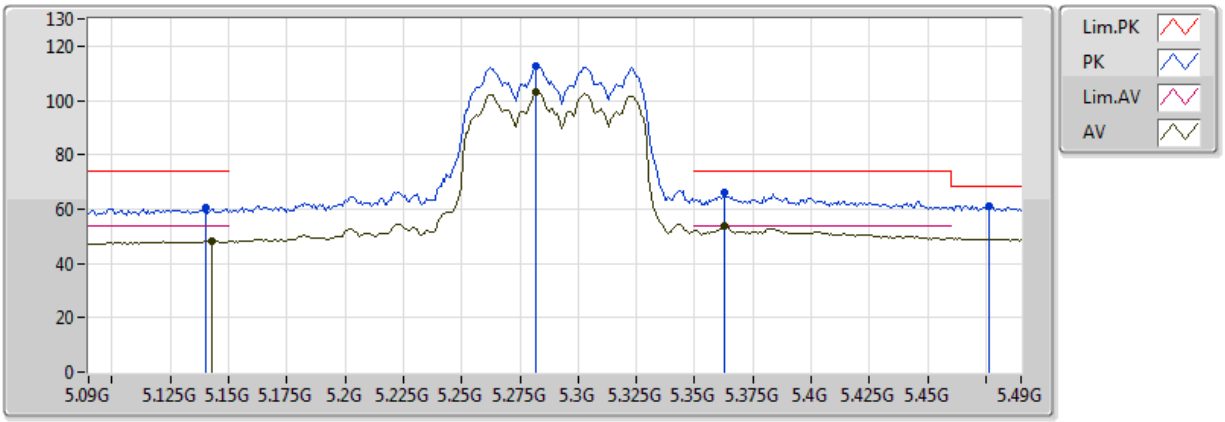


20160217
EUT Y 4TX Non-TXBF
Setting 30
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.419808G	42.68	54.00	-11.32	13.90	3	H	142	1.72	-
PK	11.420796G	55.20	74.00	-18.80	13.90	3	H	142	1.72	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

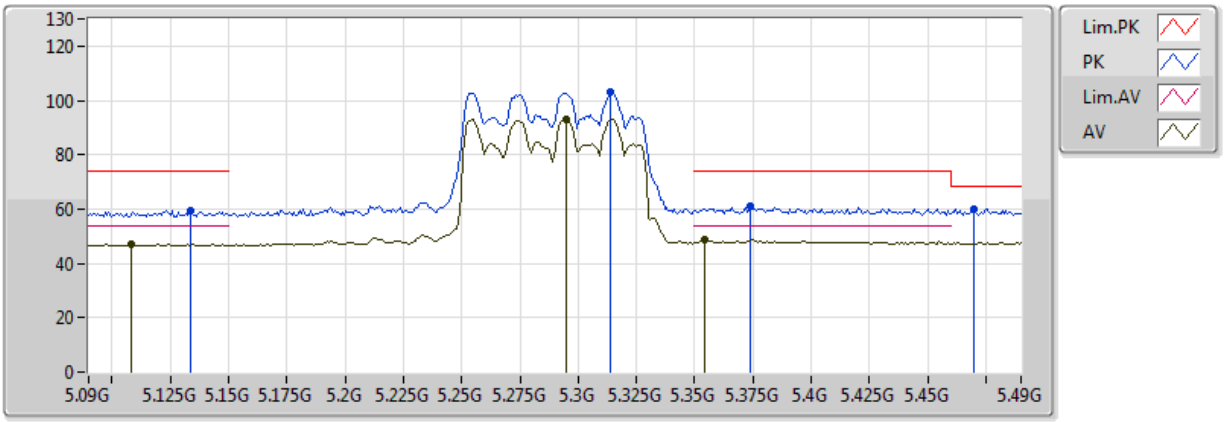


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1428G	48.30	54.00	-5.70	6.29	3	V	222	2.13	-
AV	5.282G	102.99	Inf	-Inf	6.51	3	V	222	2.13	-
AV	5.3628G	53.59	54.00	-0.41	6.62	3	V	222	2.13	-
PK	5.1404G	60.33	74.00	-13.67	6.29	3	V	222	2.13	-
PK	5.282G	112.74	Inf	-Inf	6.51	3	V	222	2.13	-
PK	5.4764G	61.34	68.20	-6.86	6.83	3	V	222	2.13	-
PK	5.3628G	65.89	74.00	-8.11	6.62	3	V	222	2.13	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

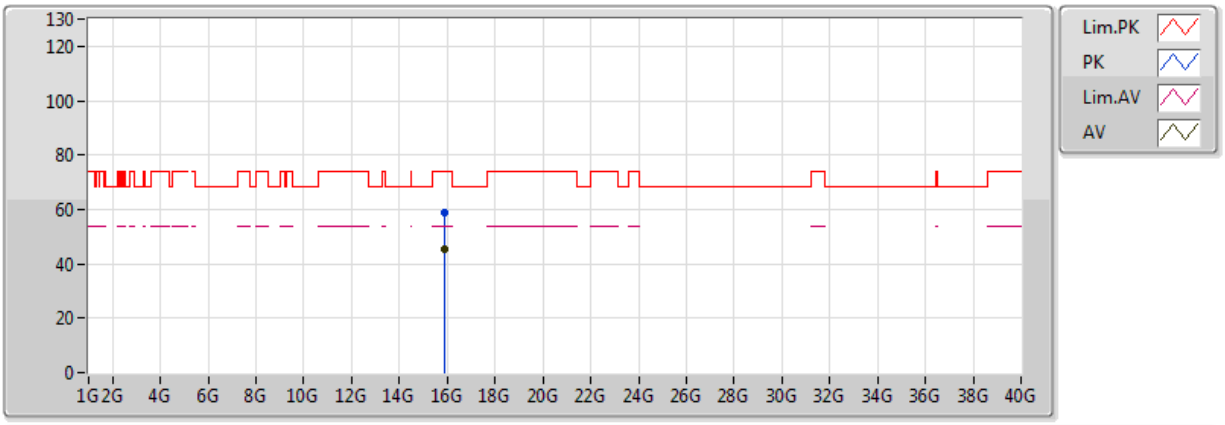


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1084G	47.06	54.00	-6.94	6.23	3	H	100	1.44	-
AV	5.2948G	92.90	Inf	-Inf	6.53	3	H	100	1.44	-
AV	5.354G	48.54	54.00	-5.46	6.61	3	H	100	1.44	-
PK	5.134G	59.63	74.00	-14.37	6.28	3	H	100	1.44	-
PK	5.314G	103.07	Inf	-Inf	6.56	3	H	100	1.44	-
PK	5.47G	60.14	68.20	-8.06	6.82	3	H	100	1.44	-
PK	5.374G	60.90	74.00	-13.10	6.64	3	H	100	1.44	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

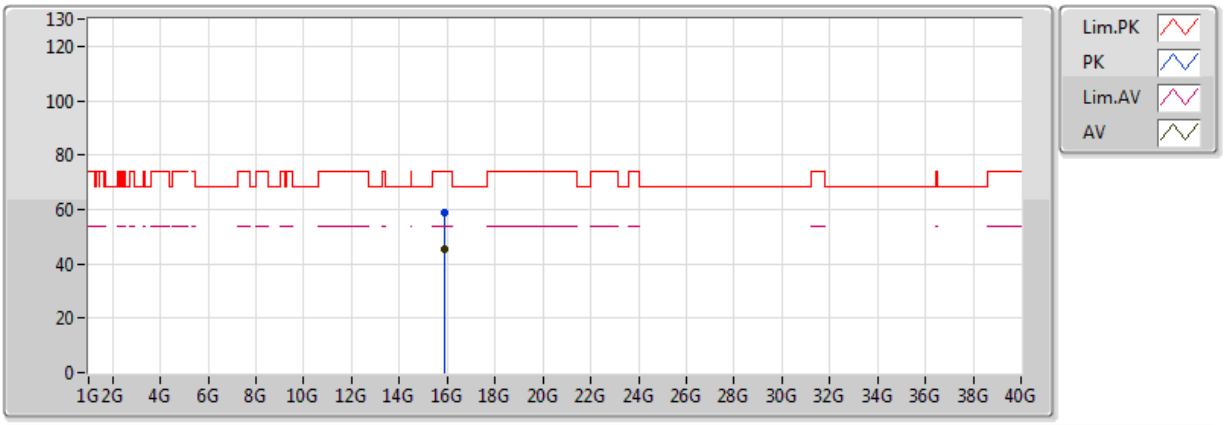


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.870444G	45.20	54.00	-8.80	15.36	3	V	44	1.17	-
PK	15.87012G	58.59	74.00	-15.41	15.36	3	V	44	1.17	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_TX

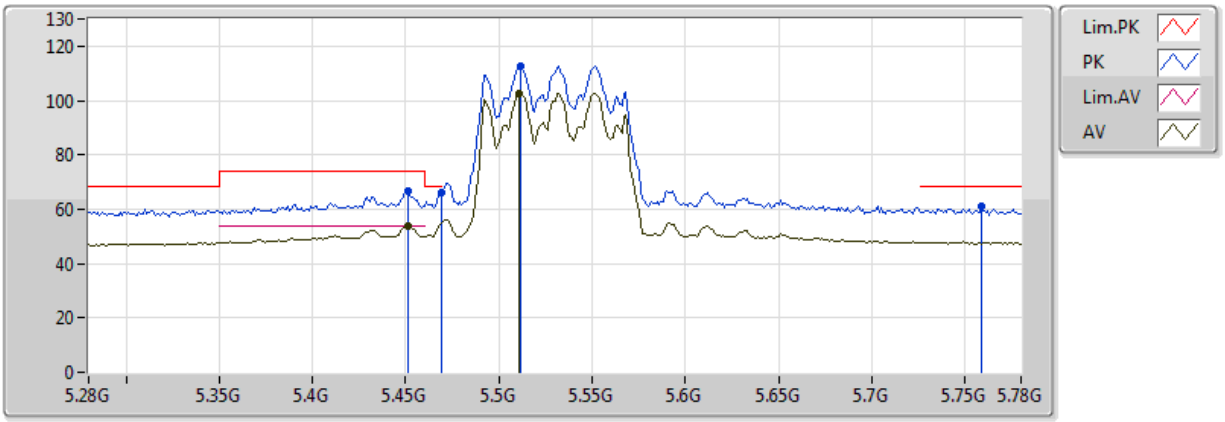


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.870036G	45.12	54.00	-8.88	15.36	3	H	207	1.11	-
PK	15.86912G	59.03	74.00	-14.97	15.36	3	H	207	1.11	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

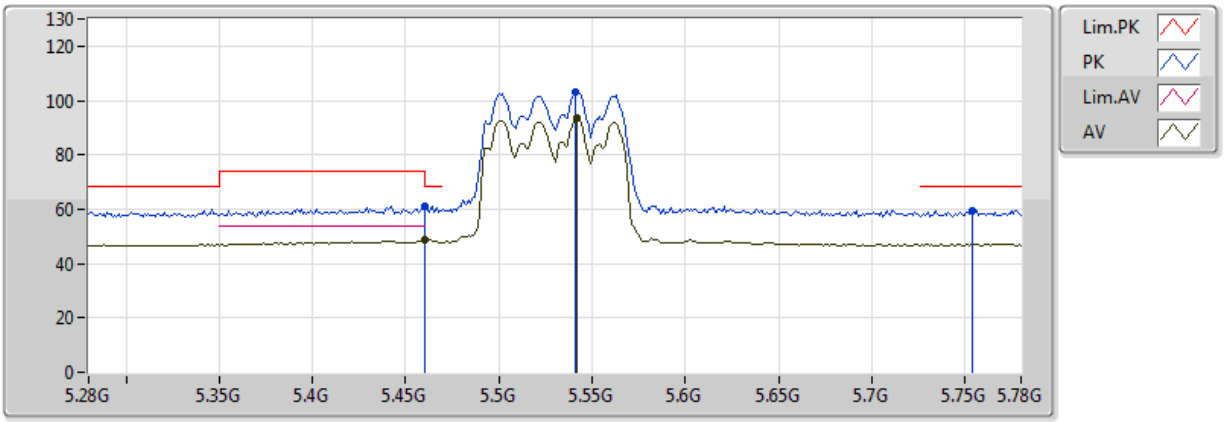


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.451G	53.87	54.00	-0.13	6.78	3	V	192	1.27	-
AV	5.511G	102.64	Inf	-Inf	6.89	3	V	192	1.27	-
PK	5.451G	66.56	74.00	-7.44	6.78	3	V	192	1.27	-
PK	5.469G	66.00	68.20	-2.20	6.81	3	V	192	1.27	-
PK	5.512G	112.66	Inf	-Inf	6.89	3	V	192	1.27	-
PK	5.759G	61.21	68.20	-6.99	6.98	3	V	192	1.27	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

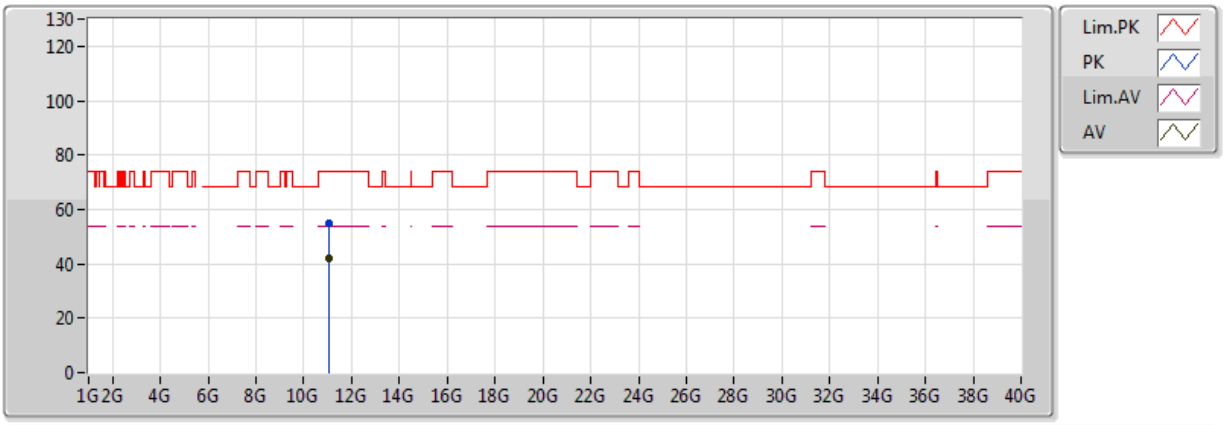


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01-10
FSP

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	48.99	54.00	-5.01	6.80	3	H	350	2.14	-
AV	5.542G	93.74	Inf	-Inf	6.92	3	H	350	2.14	-
PK	5.46G	61.34	74.00	-12.66	6.80	3	H	350	2.14	-
PK	5.460005G	61.34	68.20	-6.86	6.80	3	H	350	2.14	-
PK	5.541G	103.35	Inf	-Inf	6.92	3	H	350	2.14	-
PK	5.754G	59.26	68.20	-8.94	6.98	3	H	350	2.14	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

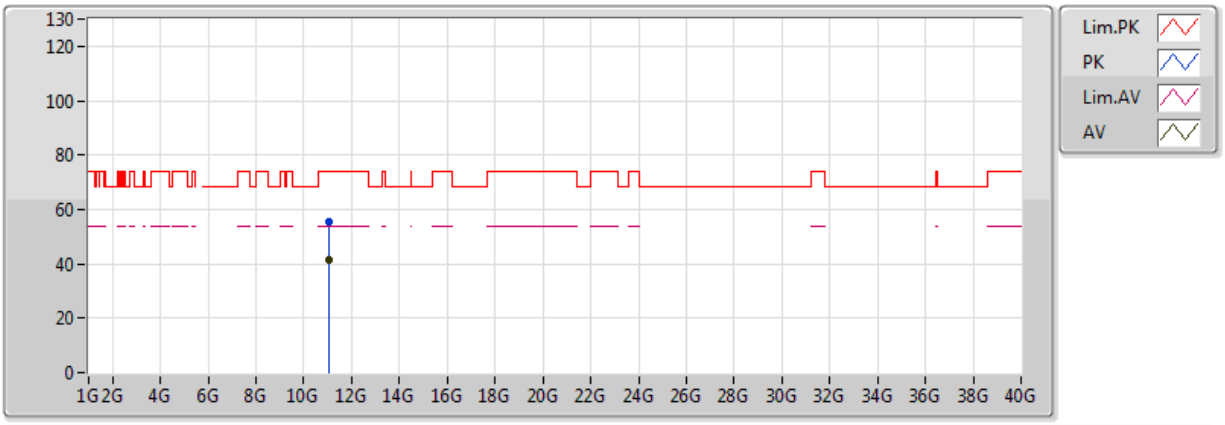


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.059772G	41.79	54.00	-12.21	13.76	3	V	234	1.23	-
PK	11.060252G	54.83	74.00	-19.17	13.76	3	V	234	1.23	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5530MHz_TX

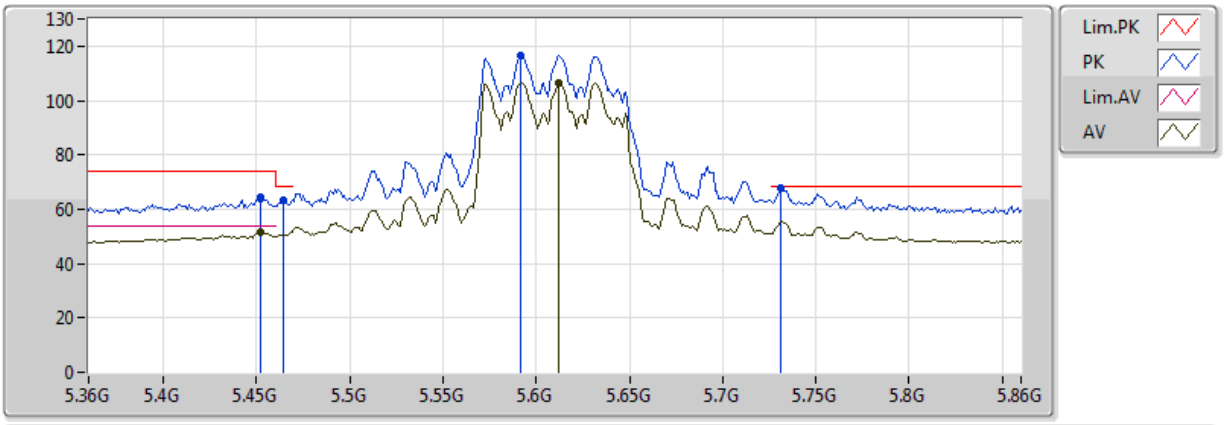


20160217
EUT Y 4TX Non-TXBF
Setting 16
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.059316G	41.74	54.00	-12.26	13.76	3	H	224	2.02	-
PK	11.060884G	55.58	74.00	-18.42	13.76	3	H	224	2.02	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

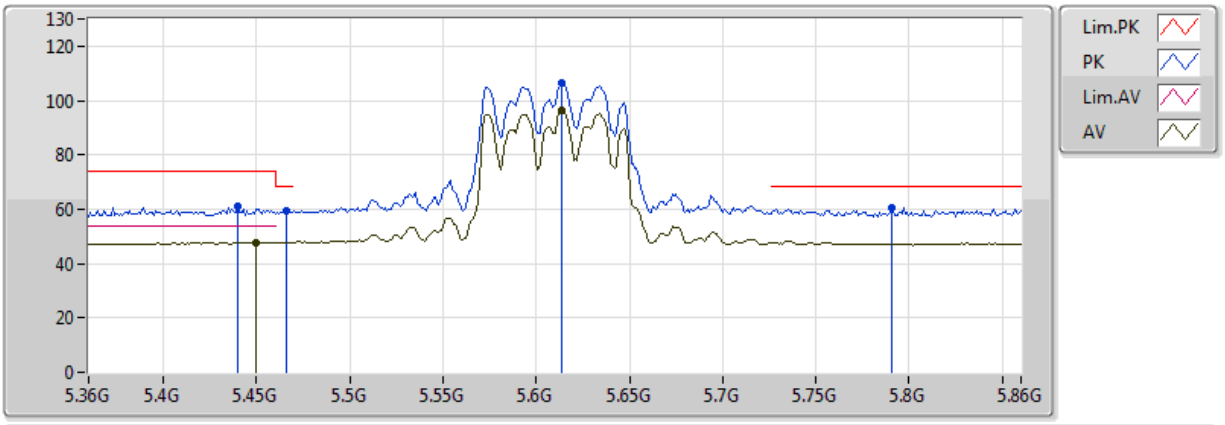


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.452G	51.65	54.00	-2.35	6.78	3	V	191	1.38	-
AV	5.612G	106.59	Inf	-Inf	6.97	3	V	191	1.38	-
PK	5.452G	64.56	74.00	-9.44	6.78	3	V	191	1.38	-
PK	5.464G	63.33	68.20	-4.87	6.80	3	V	191	1.38	-
PK	5.592G	116.61	Inf	-Inf	6.96	3	V	191	1.38	-
PK	5.731G	67.86	68.20	-0.34	6.98	3	V	191	1.38	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

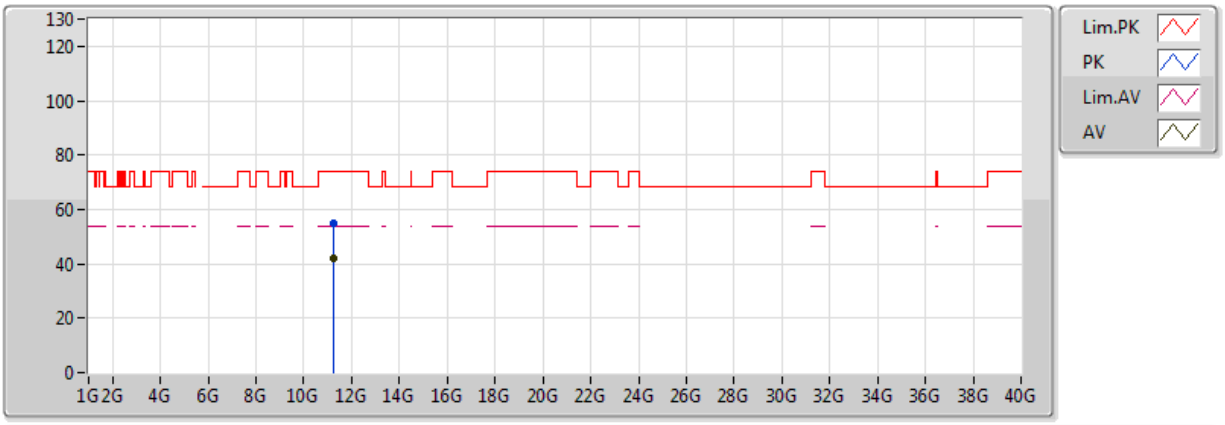


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.45G	47.82	54.00	-6.18	6.77	3	H	333	1.51	-
AV	5.614G	96.30	Inf	-Inf	6.97	3	H	333	1.51	-
PK	5.44G	60.82	74.00	-13.18	6.75	3	H	333	1.51	-
PK	5.466G	59.63	68.20	-8.57	6.81	3	H	333	1.51	-
PK	5.614G	106.36	Inf	-Inf	6.97	3	H	333	1.51	-
PK	5.791G	60.47	68.20	-7.73	6.98	3	H	333	1.51	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

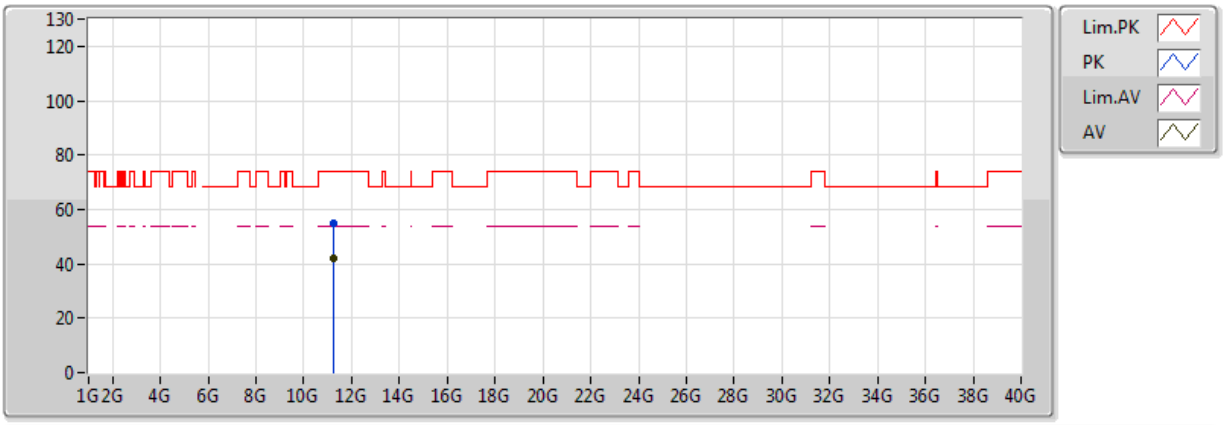


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.219872G	41.75	54.00	-12.25	13.82	3	V	154	1.69	-
PK	11.220488G	55.11	74.00	-18.89	13.82	3	V	154	1.69	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5610MHz_TX

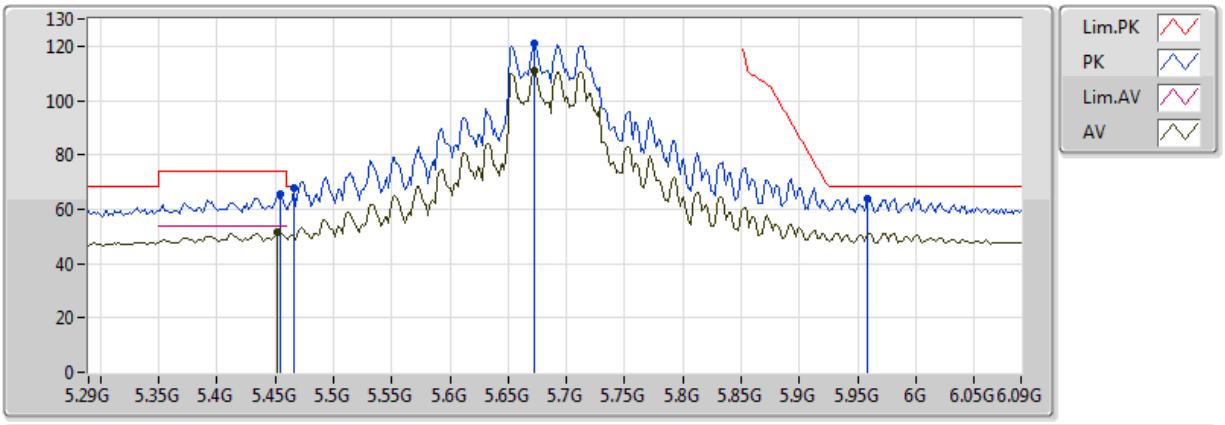


20160217
EUT Y 4TX Non-TXBF
Setting 20
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.220076G	41.85	54.00	-12.15	13.82	3	H	209	1.48	-
PK	11.220836G	54.93	74.00	-19.07	13.82	3	H	209	1.48	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz_TX

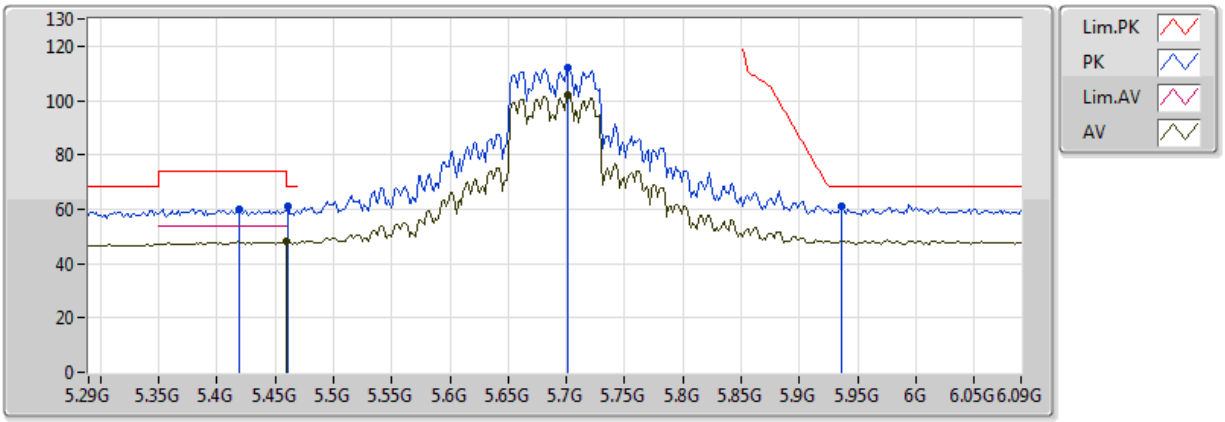


20160217
EUT Y 4TX Non-TXBF
Setting 25.5
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4516G	51.37	54.00	-2.63	6.78	3	V	192	1.41	-
AV	5.6724G	110.98	Inf	-Inf	6.98	3	V	192	1.41	-
PK	5.4548G	65.37	74.00	-8.63	6.79	3	V	192	1.41	-
PK	5.6724G	120.79	Inf	-Inf	6.98	3	V	192	1.41	-
PK	5.9588G	63.78	68.20	-4.42	6.91	3	V	192	1.41	-
PK	5.466G	67.72	68.20	-0.48	6.81	3	V	192	1.41	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz_TX

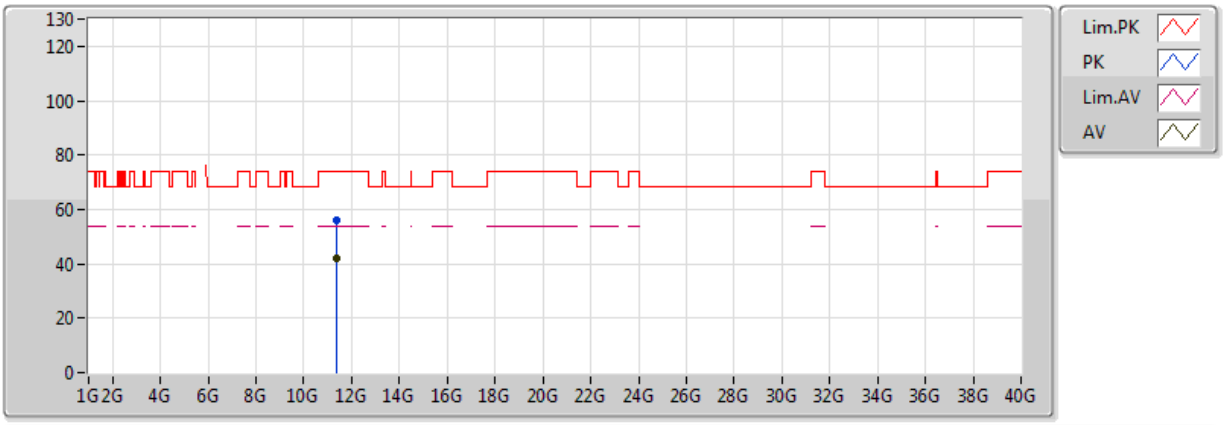


20160217
EUT Y 4TX Non-TXBF
Setting 25.5
03-M-01-10
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459995G	48.02	54.00	-5.98	6.80	3	H	240	1.90	-
AV	5.7012G	102.21	Inf	-Inf	6.98	3	H	240	1.90	-
PK	5.4196G	60.22	74.00	-13.78	6.71	3	H	240	1.90	-
PK	5.4612G	60.83	68.20	-7.37	6.80	3	H	240	1.90	-
PK	5.7012G	112.31	Inf	-Inf	6.98	3	H	240	1.90	-
PK	5.9364G	61.19	68.20	-7.01	6.92	3	H	240	1.90	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz_TX

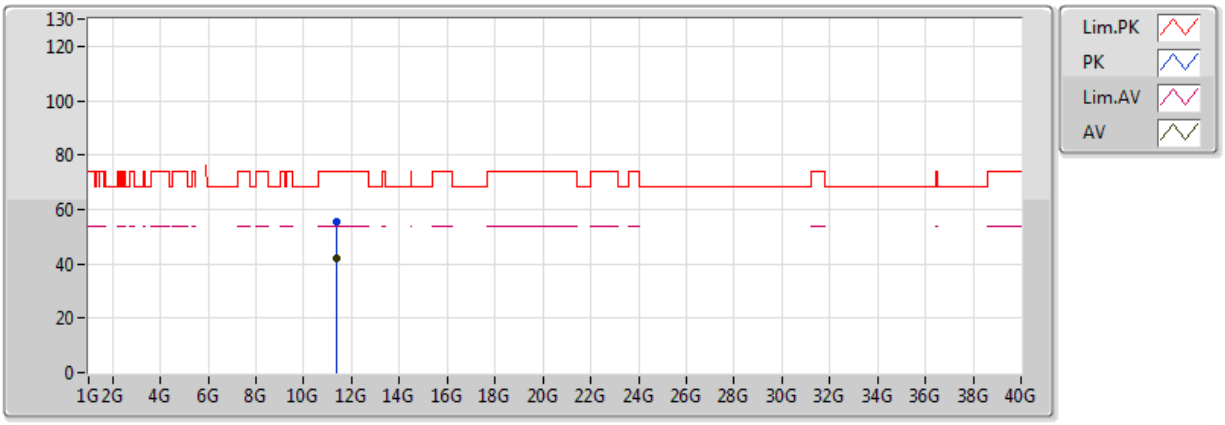


20160217
EUT Y 4TX Non-TXBF
Setting 25.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.37732G	41.94	54.00	-12.06	13.88	3	V	88	2.03	-
PK	11.3814G	55.98	74.00	-18.02	13.88	3	V	88	2.03	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz_TX



20160217
EUT Y 4TX Non-TXBF
Setting 25.5
03-M-01
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.379292G	41.89	54.00	-12.11	13.88	3	H	162	1.56	-
PK	11.3804G	55.43	74.00	-18.57	13.88	3	H	162	1.56	-

Mode: 20 MHz / Ant. 6
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9797	5299.9792	5299.9784	5299.9777
110.00	5299.9791	5299.9781	5299.9777	5299.9774
93.50	5299.9783	5299.9779	5299.9771	5299.9766
Max. Deviation (MHz)	0.0217	0.0221	0.0229	0.0234
Max. Deviation (ppm)	4.09	4.17	4.32	4.42
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5299.9821	5299.9814	5299.9808	5299.9801
10	5299.9810	5299.9805	5299.9795	5299.9787
20	5299.9791	5299.9781	5299.9778	5299.9777
30	5299.9787	5299.9780	5299.9772	5299.9766
40	5299.9782	5299.9773	5299.9764	5299.9757
Max. Deviation (MHz)	0.0218	0.0227	0.0236	0.0243
Max. Deviation (ppm)	4.11	4.28	4.45	4.58
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9800	5579.9792	5579.9788	5579.9783
110.00	5579.9791	5579.9781	5579.9779	5579.9771
93.50	5579.9790	5579.9781	5579.9771	5579.9764
Max. Deviation (MHz)	0.0210	0.0219	0.0229	0.0236
Max. Deviation (ppm)	3.76	3.92	4.10	4.23
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5579.9813	5579.9805	5579.9799	5579.9790
10	5579.9797	5579.9795	5579.9791	5579.9789
20	5579.9791	5579.9785	5579.9782	5579.9777
30	5579.9787	5579.9777	5579.9775	5579.9770
40	5579.9769	5579.9759	5579.9750	5579.9742
Max. Deviation (MHz)	0.0231	0.0241	0.0250	0.0258
Max. Deviation (ppm)	4.14	4.32	4.48	4.62
Result	Pass			

Mode: 40 MHz / Ant. 6

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9797	5309.9792	5309.9785	5309.9779
110.00	5309.9791	5309.9786	5309.9777	5309.9774
93.50	5309.9788	5309.9778	5309.9773	5309.9772
Max. Deviation (MHz)	0.0212	0.0222	0.0227	0.0228
Max. Deviation (ppm)	3.99	4.18	4.27	4.29
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5309.9813	5309.9807	5309.9802	5309.9795
10	5309.9806	5309.9805	5309.9796	5309.9793
20	5309.9791	5309.9781	5309.9773	5309.9771
30	5309.9787	5309.9777	5309.9769	5309.9760
40	5309.9776	5309.9770	5309.9762	5309.9752
Max. Deviation (MHz)	0.0224	0.0230	0.0238	0.0248
Max. Deviation (ppm)	4.22	4.33	4.48	4.67
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9794	5549.9786	5549.9780	5549.9772
110.00	5549.9791	5549.9789	5549.9782	5549.9776
93.50	5549.9781	5549.9777	5549.9767	5549.9761
Max. Deviation (MHz)	0.0219	0.0223	0.0233	0.0239
Max. Deviation (ppm)	3.95	4.02	4.20	4.31
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5549.9799	5549.9796	5549.9795	5549.9792
10	5549.9793	5549.9786	5549.9778	5549.9768
20	5549.9791	5549.9788	5549.9785	5549.9778
30	5549.9787	5549.9782	5549.9772	5549.9769
40	5549.9783	5549.9780	5549.9774	5549.9771
Max. Deviation (MHz)	0.0217	0.0220	0.0228	0.0232
Max. Deviation (ppm)	3.91	3.96	4.11	4.18
Result	Pass			

Mode: 80 MHz / Ant. 6

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9797	5289.9792	5289.9784	5289.9776
110.00	5289.9791	5289.9785	5289.9782	5289.9779
93.50	5289.9790	5289.9783	5289.9778	5289.9772
Max. Deviation (MHz)	0.0210	0.0217	0.0222	0.0228
Max. Deviation (ppm)	3.97	4.10	4.20	4.31
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5289.9819	5289.9812	5289.9807	5289.9806
10	5289.9802	5289.9796	5289.9792	5289.9783
20	5289.9791	5289.9782	5289.9778	5289.9777
30	5289.9787	5289.9784	5289.9774	5289.9771
40	5289.9769	5289.9764	5289.9761	5289.9752
Max. Deviation (MHz)	0.0231	0.0236	0.0239	0.0248
Max. Deviation (ppm)	4.37	4.46	4.52	4.69
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9798	5529.9794	5529.9791	5529.9786
110.00	5529.9791	5529.9782	5529.9781	5529.9779
93.50	5529.9787	5529.9777	5529.9769	5529.9767
Max. Deviation (MHz)	0.0213	0.0223	0.0231	0.0233
Max. Deviation (ppm)	3.85	4.03	4.18	4.21
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5529.9817	5529.9815	5529.9811	5529.9805
10	5529.9806	5529.9805	5529.9798	5529.9790
20	5529.9791	5529.9784	5529.9783	5529.9780
30	5529.9787	5529.9782	5529.9780	5529.9777
40	5529.9775	5529.9767	5529.9760	5529.9759
Max. Deviation (MHz)	0.0225	0.0233	0.0240	0.0241
Max. Deviation (ppm)	4.07	4.21	4.34	4.36
Result	Pass			