



# FCC RADIO TEST REPORT

**FCC ID** : TE7RE230  
**Equipment** : AC750 Wi-Fi Range Extender  
**Brand Name** : tp-link  
**Model Name** : RE230  
**Applicant** : TP-Link Technologies Co., Ltd.  
Building 24 (floors 1,3,4,5) and 28 (floors1-4),Central Science  
and Technology Park,Nanshan , Shenzhen,518057 , China  
**Manufacturer** : TP-Link Technologies Co., Ltd.  
Building 24 (floors 1,3,4,5) and 28 (floors1-4),Central Science  
and Technology Park,Nanshan , Shenzhen,518057 , China  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Apr. 23, 2020, and testing was started from Apr. 23, 2020 and completed on Apr. 24, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Sam Chen

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



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### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

**Declaration of Conformity:**

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

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: **Sam Chen**

Report Producer: **Cindy Peng**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20)	5260-5320	52-64 [4]
5470-5725	n (HT40), ac (VHT40)	5500-5700	100-140 [11]
5250-5350		5270-5310	54-62 [2]
5470-5725	ac (VHT80)	5510-5670	102-134 [5]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX

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.



1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Type	Connector	Gain (dBi)	
	2.4GHz	5GHz					2.4GHz	5GHz
1	2	1	tp-link	-	PIFA	N/A	2	2
2	1	2	tp-link	-	PIFA	N/A	2	2

Note: The above information was declared by manufacturer.

**For 2.4GHz function:**

**For IEEE 802.11b/g/n mode (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

**For 5GHz function:**

**For IEEE 802.11a/n/ac mode (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80	0.963	0.16	336.875u	3k

Note:

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

1.1.4 EUT Operational Condition

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

Note: The above information was declared by manufacturer.



### 1.1.5 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR030222AB

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

<b>Modifications</b>	<b>Performance Checking</b>
1. 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. Unwanted Emissions Above 1GHz.
2. Changing the Extender support function to "Master" from "Client with radar detection".	After evaluating, there's no influence in this test report.



### 1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01

### 1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Justin Lin	20.9~23°C / 46~48%	Apr. 24, 2020
Radiated	03CH01-CB	Paul Chen	21.6~23°C / 56~57%	Apr. 23, 2020~Apr. 24, 2020

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)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	24
5300MHz	24
5320MHz	24
5500MHz	24
5580MHz	25
5700MHz	20
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	25
5300MHz	25
5320MHz	24
5500MHz	25
5580MHz	26
5700MHz	20
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	23
5310MHz	18
5510MHz	16
5550MHz	23
5670MHz	23
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	15
5530MHz	13
5610MHz	24



### 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
<b>Test Condition</b>	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Unwanted Emissions
<b>Test Condition</b>	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.
<b>Operating Mode &gt; 1GHz</b>	CTX
The EUT was performed at Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
<b>Operating Mode</b>	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA030222-01 for Co-location RF Exposure Evaluation.	

### 2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

### 2.4 Accessories

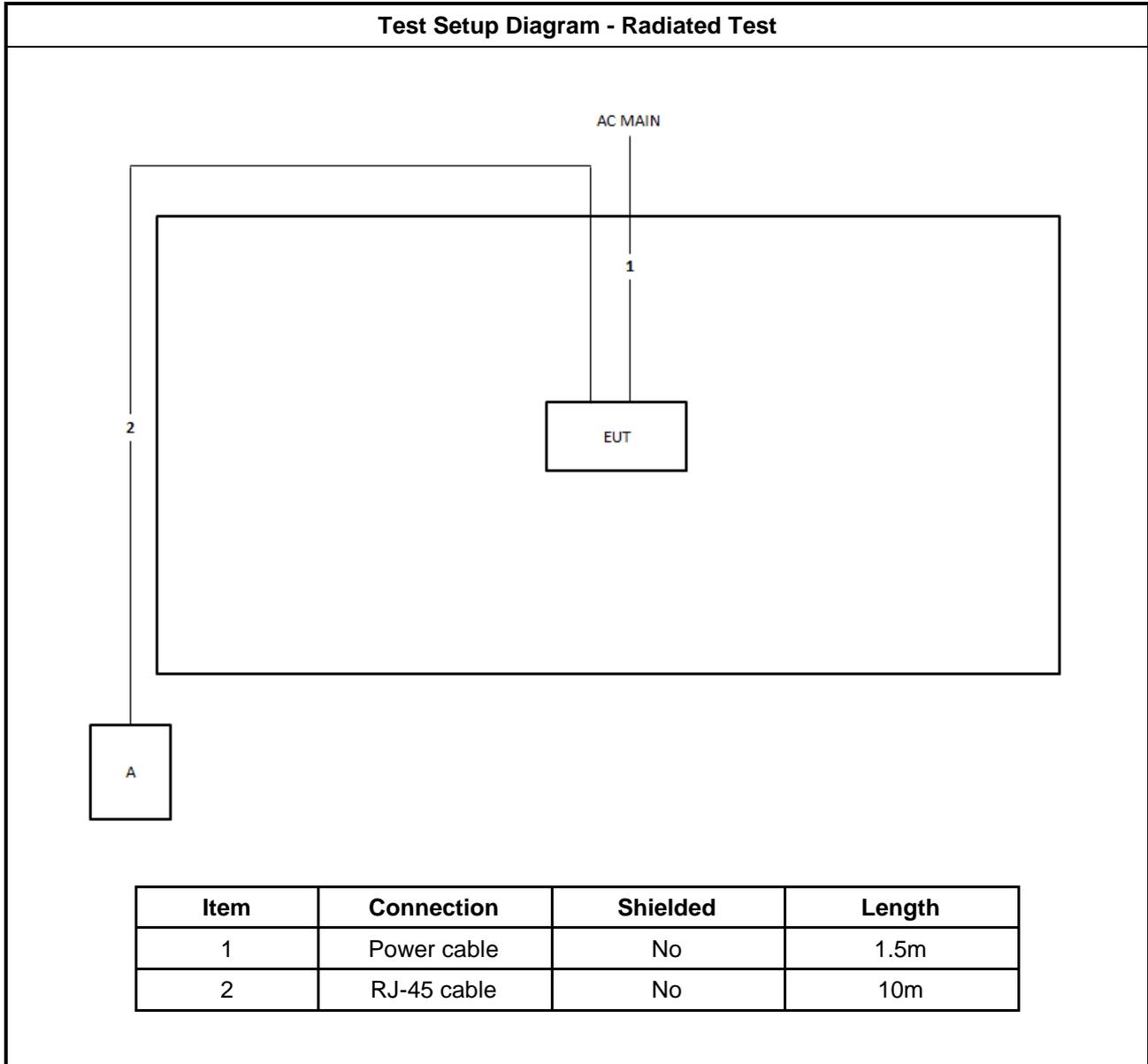
N/A

### 2.5 Support Equipment

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



## 2.6 Test Setup Diagram





### 3 Transmitter Test Result

#### 3.1 Emission Bandwidth

##### 3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
<b>UNII Devices</b>	
<input type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
<b>LE-LAN Devices</b>	
<input type="checkbox"/>	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

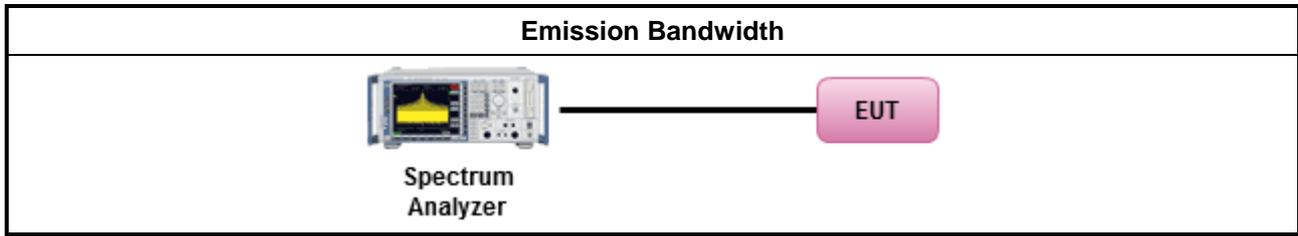
##### 3.1.2 Measuring Instruments

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:	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

### 3.1.4 Test Setup



### 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	
<b>UNII Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>. e.i.r.p. at any elevation angle above 30 degrees <math>\leq 125mW</math> [21dBm]</li> <li>▪ Indoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math></li> <li>▪ Point-to-point AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li> </ul>
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>
$P_{Out}$ = maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi.	

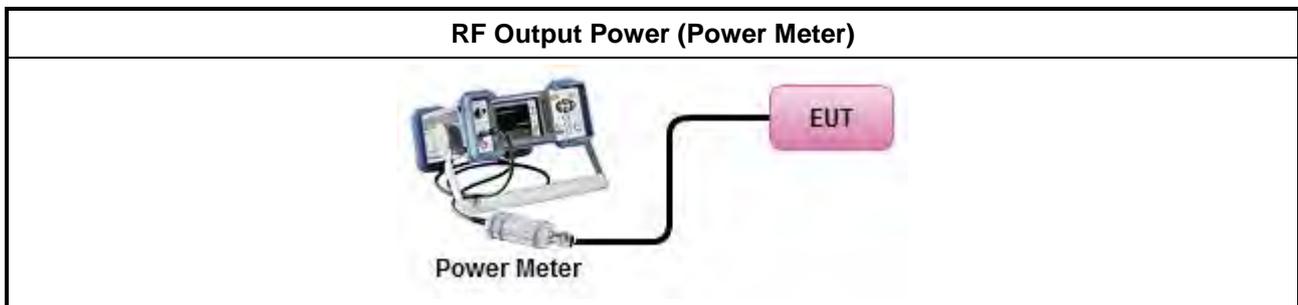
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ Maximum Conducted Output Power</li> </ul>	
Average over on/off periods with duty factor	
<input type="checkbox"/> Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
<input type="checkbox"/> Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).	
<ul style="list-style-type: none"> <li>▪ For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>            (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>	

### 3.2.4 Test Setup



### 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	
<b>UNII Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the peak power spectral density (PPSD) <math>\leq 11</math> dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 11 - (G_{TX} - 6)</math>.</li> </ul>
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) $\leq 10$ dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where <math>\theta</math> is the angle above the local horizontal plane (of the Earth) as shown below:  -13 dBW/MHz for <math>0^\circ \leq \theta &lt; 8^\circ</math> ; -13 - 0.716 (<math>\theta-8</math>) dBW/MHz for <math>8^\circ \leq \theta &lt; 40^\circ</math>  -35.9 - 1.22 (<math>\theta-40</math>) dBW/MHz for <math>40^\circ \leq \theta \leq 45^\circ</math> ; -42 dBW/MHz for <math>\theta &gt; 45^\circ</math></li> </ul>
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<p><b>PPSD</b> = 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  <b>G<sub>TX</sub></b> = the maximum transmitting antenna directional gain in dBi.</p>	

#### 3.3.2 Measuring Instruments

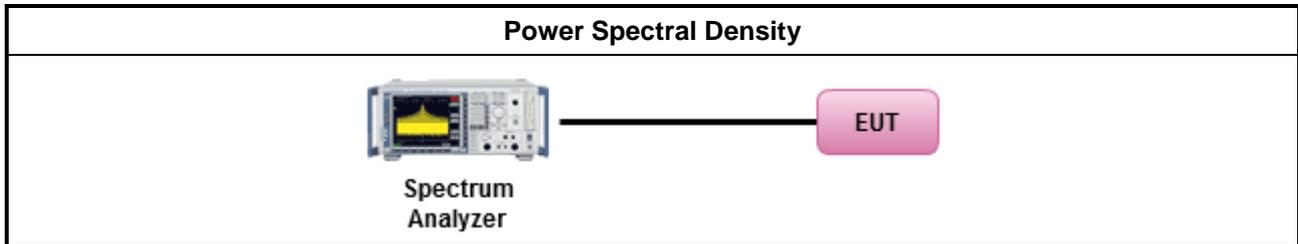
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ 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:</li> </ul>	
<input type="checkbox"/>	Refer as FCC KDB 789033, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> <li>▪ For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below:</li> </ul>	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods:  <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math>            (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = PPSD_{total} + DG</math> </li> </ul>	

### 3.3.4 Test Setup



### 3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C



### 3.4 Unwanted Emissions

#### 3.4.1 Transmitter Unwanted Emissions Limit

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

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

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

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
<input type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m @3m]
<input checked="" type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m @3m]
<input checked="" type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m @3m]
<input type="checkbox"/> 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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



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

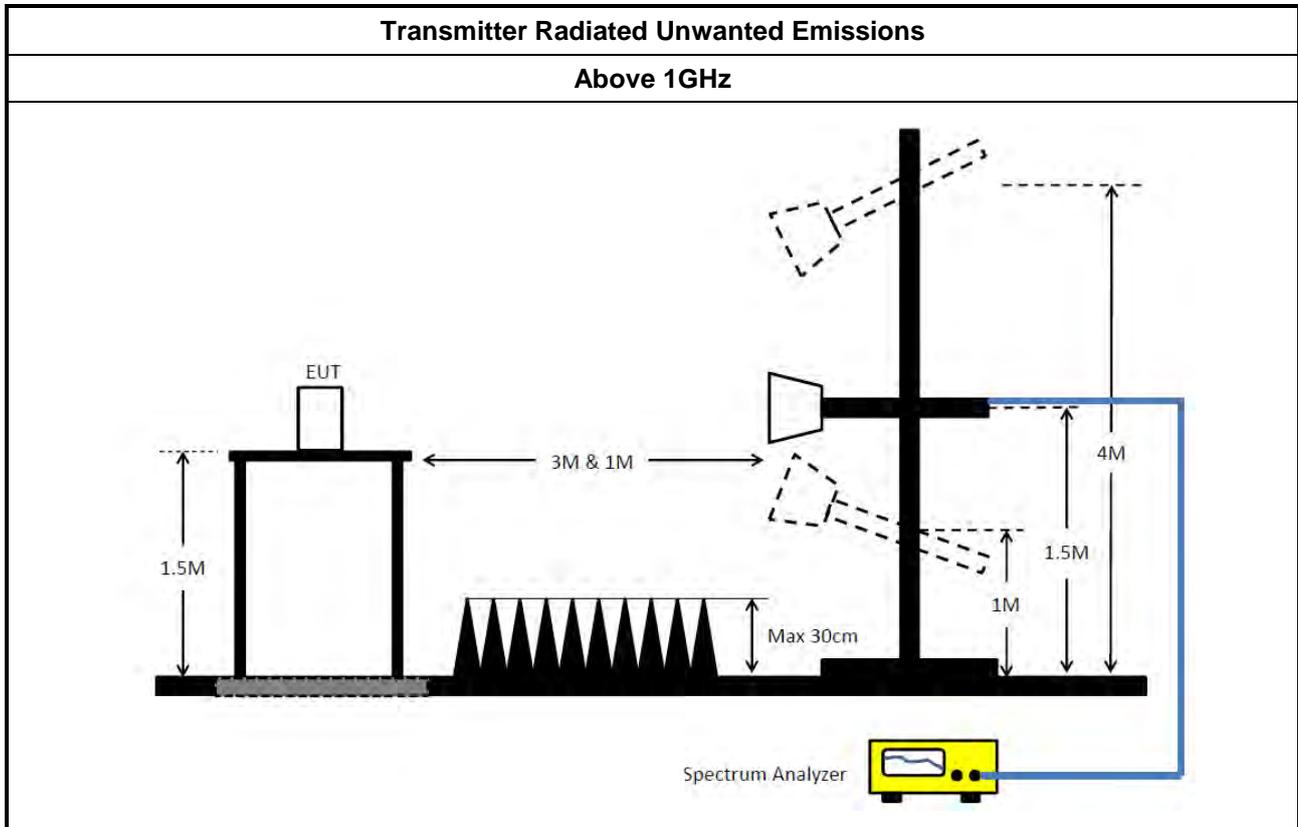
**3.4.2 Measuring Instruments**

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

**3.4.3 Test Procedures**

Test Method	
	<ul style="list-style-type: none"> <li>▪ 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).</li> </ul>
	<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:               <ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li> <li>▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.                   <ul style="list-style-type: none"> <li><input type="checkbox"/> Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).</li> <li><input checked="" type="checkbox"/> Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).</li> <li><input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.</li> <li><input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.</li> <li><input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.</li> <li><input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.</li> </ul> </li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>▪ For radiated measurement.               <ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>▪ The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>

### 3.4.4 Test Setup



### 3.4.5 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



## 4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	ETS-LINDGR EN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA917025 2	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2020	Jan. 07, 2021	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35 -HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~ 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~ 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~ 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~ 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~ 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)

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

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	33.15M	19.04M	19M0D1D	31.38M	18.051M
802.11ac VHT20_Nss1,(MCS0)_2TX	33.96M	19.4M	19M4D1D	31.86M	18.171M
802.11ac VHT40_Nss1,(MCS0)_2TX	75M	37.721M	37M7D1D	47.4M	36.282M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.48M	75.202M	75M2D1D	81.36M	75.202M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	32.79M	17.931M	17M9D1D	24.96M	16.852M
802.11ac VHT20_Nss1,(MCS0)_2TX	33.48M	19.31M	19M3D1D	21.45M	17.691M
802.11ac VHT40_Nss1,(MCS0)_2TX	74.64M	37.661M	37M7D1D	40.5M	36.162M
802.11ac VHT80_Nss1,(MCS0)_2TX	146.16M	76.762M	76M8D1D	81.48M	75.082M

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

**Max-OBW** = Maximum 99% occupied bandwidth;

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

**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	31.38M	18.051M	32.79M	18.441M
5300MHz	Pass	Inf	33.15M	18.081M	32.88M	18.351M
5320MHz	Pass	Inf	32.52M	18.081M	32.94M	19.04M
5500MHz	Pass	Inf	31.02M	17.841M	32.28M	17.571M
5580MHz	Pass	Inf	32.25M	17.931M	32.79M	17.901M
5700MHz	Pass	Inf	24.96M	16.852M	25.38M	16.852M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	33.33M	18.711M	33.96M	19.4M
5300MHz	Pass	Inf	32.85M	18.711M	33.3M	19.31M
5320MHz	Pass	Inf	31.86M	18.171M	32.64M	18.351M
5500MHz	Pass	Inf	32.79M	19.31M	33.15M	18.561M
5580MHz	Pass	Inf	32.61M	18.561M	33.48M	18.801M
5700MHz	Pass	Inf	24.57M	17.691M	21.45M	17.691M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	75M	37.721M	74.58M	37.421M
5310MHz	Pass	Inf	47.4M	36.282M	47.64M	36.282M
5510MHz	Pass	Inf	42.54M	36.222M	40.5M	36.162M
5550MHz	Pass	Inf	73.32M	37.601M	71.1M	37.001M
5670MHz	Pass	Inf	74.64M	37.661M	73.2M	37.421M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.48M	75.202M	81.36M	75.202M
5530MHz	Pass	Inf	81.6M	75.202M	81.48M	75.082M
5610MHz	Pass	Inf	141.24M	76.522M	146.16M	76.762M

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

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

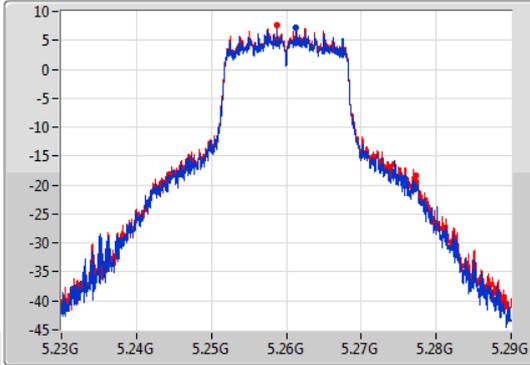
802.11a\_Nss1,(6Mbps)\_2TX

EBW

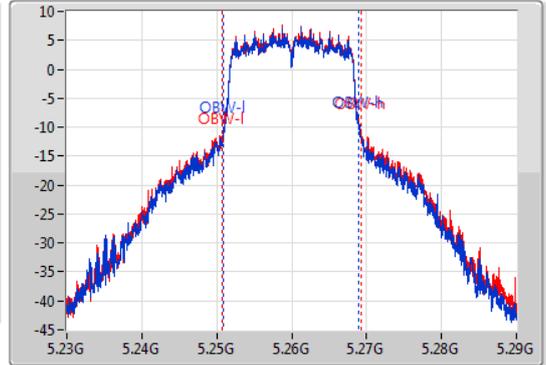
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24/04/2020

CF  
5.26GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.26GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.38M	5.24443G	5.27581G	18.051M	5.250885G	5.268936G	Inf	1
32.79M	5.24443G	5.27722G	18.441M	5.250765G	5.269205G	Inf	2

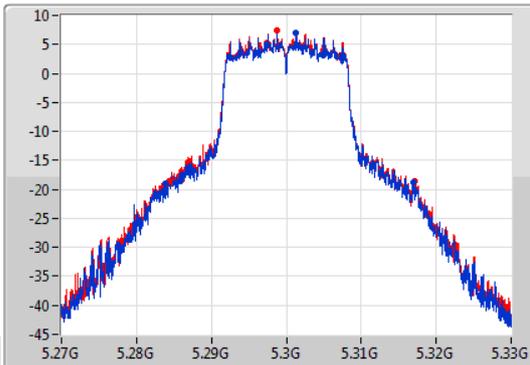
802.11a\_Nss1,(6Mbps)\_2TX

EBW

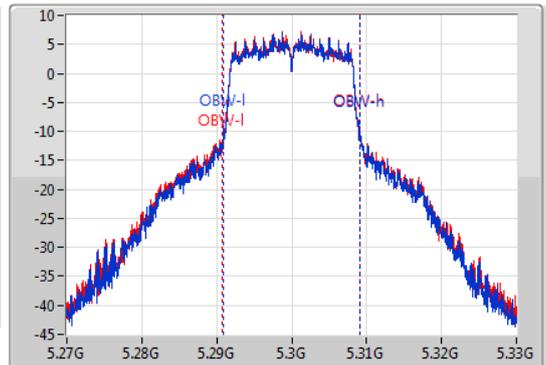
5300MHz

24/04/2020

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5.3GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.3GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.15M	5.2838G	5.31695G	18.081M	5.290945G	5.309025G	Inf	1
32.88M	5.28431G	5.31719G	18.351M	5.290705G	5.309055G	Inf	2

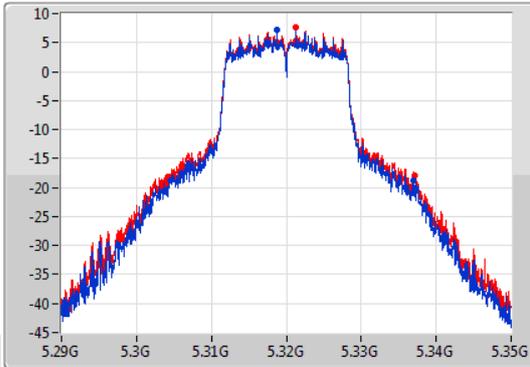
802.11a\_Nss1,(6Mbps)\_2TX

EBW

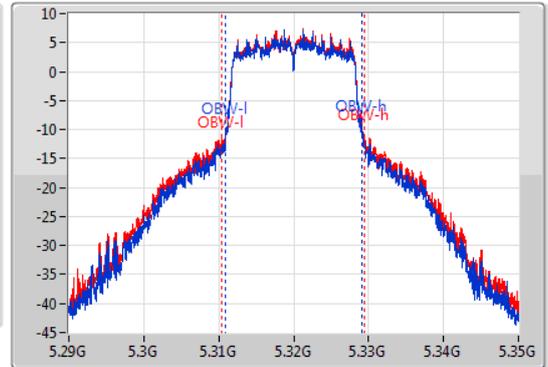
5320MHz

24/04/2020

CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.32GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.52M	5.30446G	5.33698G	18.081M	5.310975G	5.329055G	Inf	1
32.94M	5.30425G	5.33719G	19.04M	5.310405G	5.329445G	Inf	2

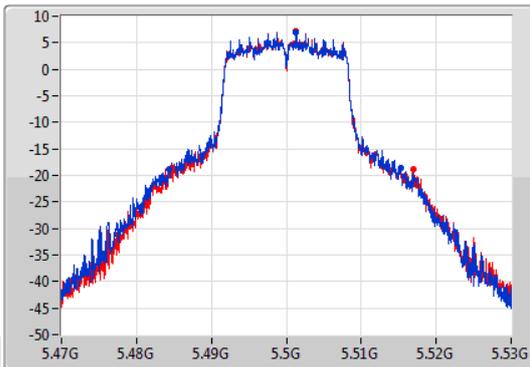
802.11a\_Nss1,(6Mbps)\_2TX

EBW

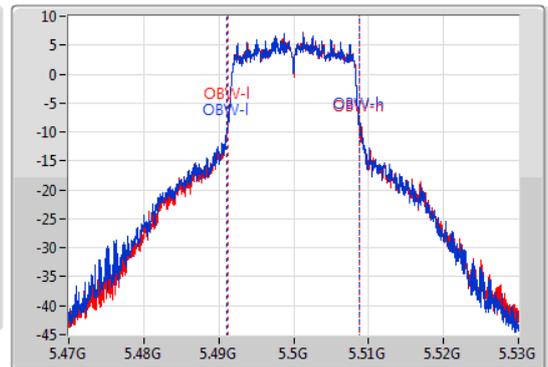
5500MHz

24/04/2020

CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.5GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.02M	5.48431G	5.51533G	17.841M	5.491004G	5.508846G	Inf	1
32.28M	5.4847G	5.51698G	17.571M	5.491244G	5.508816G	Inf	2

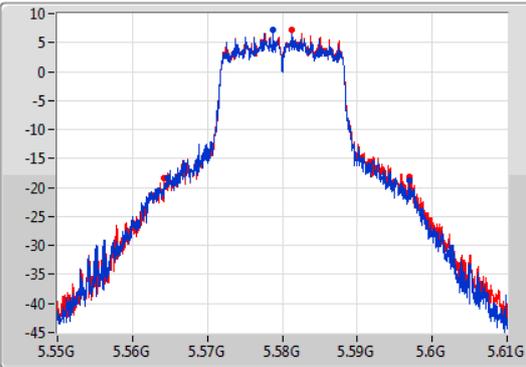
802.11a\_Nss1,(6Mbps)\_2TX

EBW

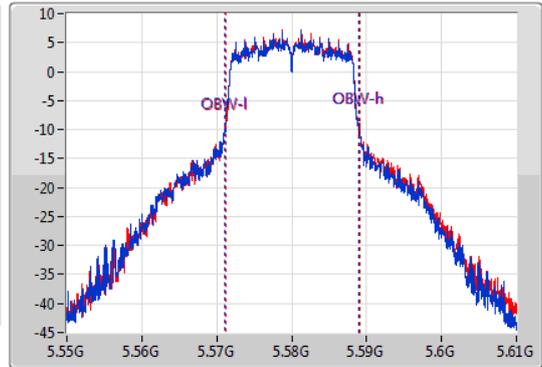
5580MHz

24/04/2020

CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.58GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.25M	5.56467G	5.59692G	17.931M	5.571004G	5.588936G	Inf	1
32.79M	5.56419G	5.59698G	17.901M	5.571184G	5.589085G	Inf	2

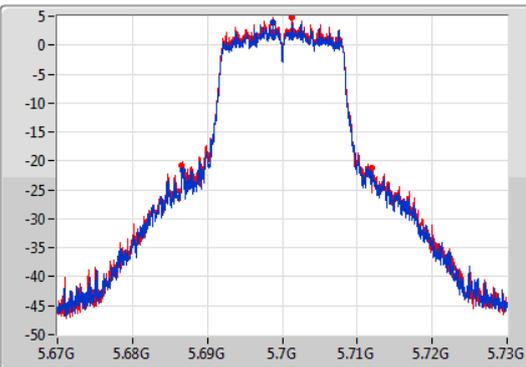
802.11a\_Nss1,(6Mbps)\_2TX

EBW

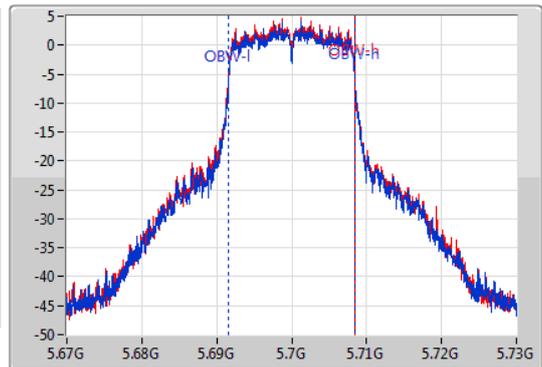
5700MHz

24/04/2020

CF  
5.7GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.7GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



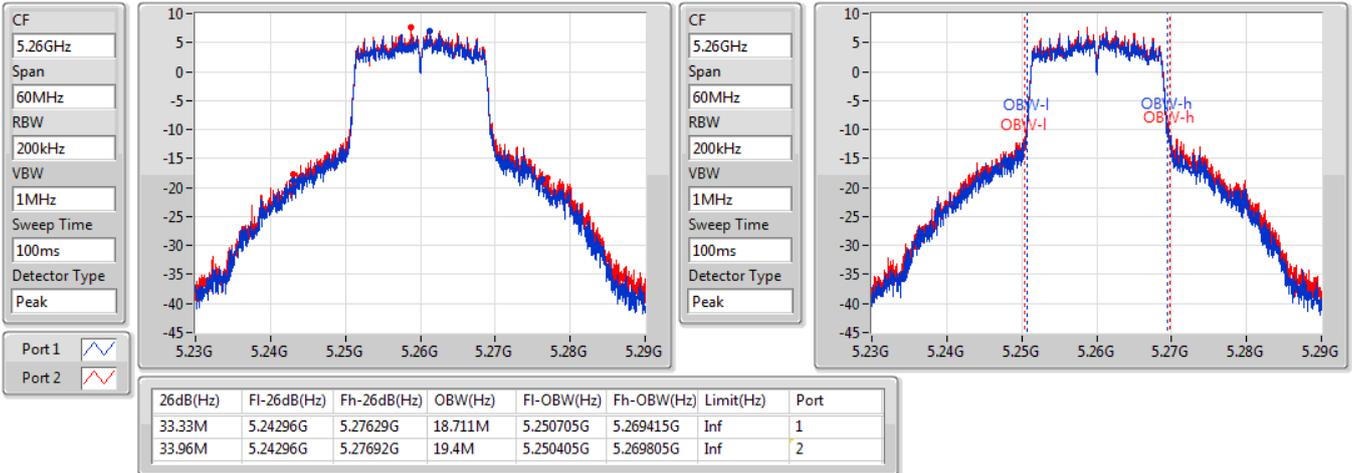
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.96M	5.68665G	5.71161G	16.852M	5.691574G	5.708426G	Inf	1
25.38M	5.68662G	5.712G	16.852M	5.691574G	5.708426G	Inf	2

802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5260MHz

24/04/2020

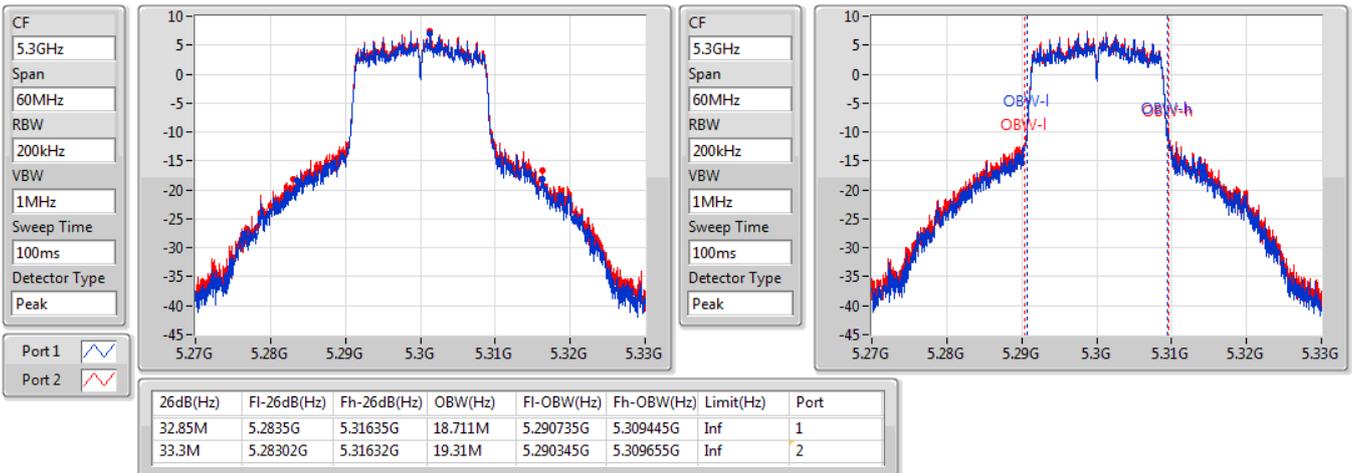


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5300MHz

24/04/2020

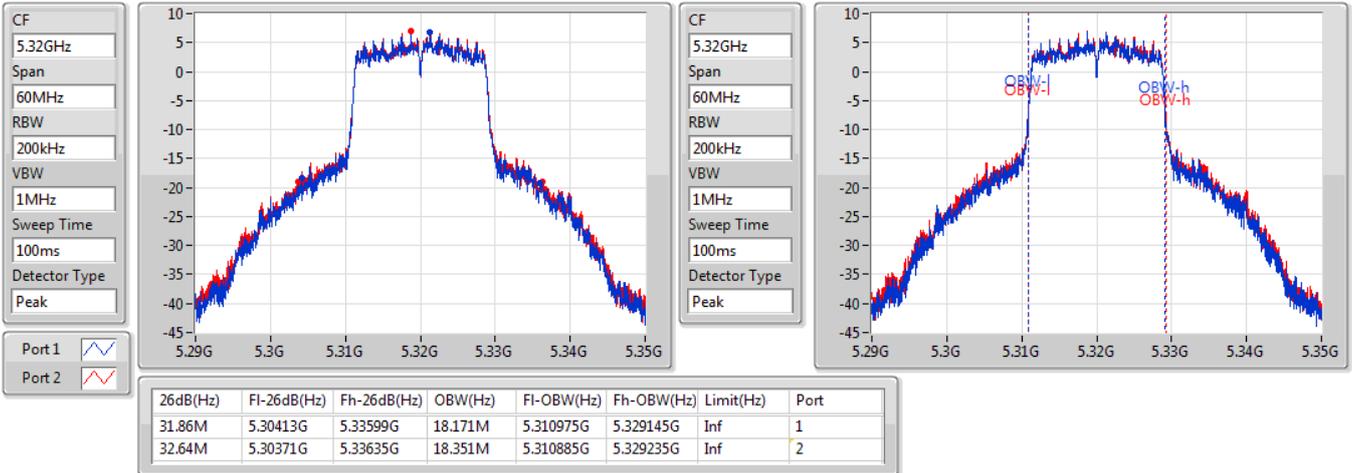


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5320MHz

24/04/2020

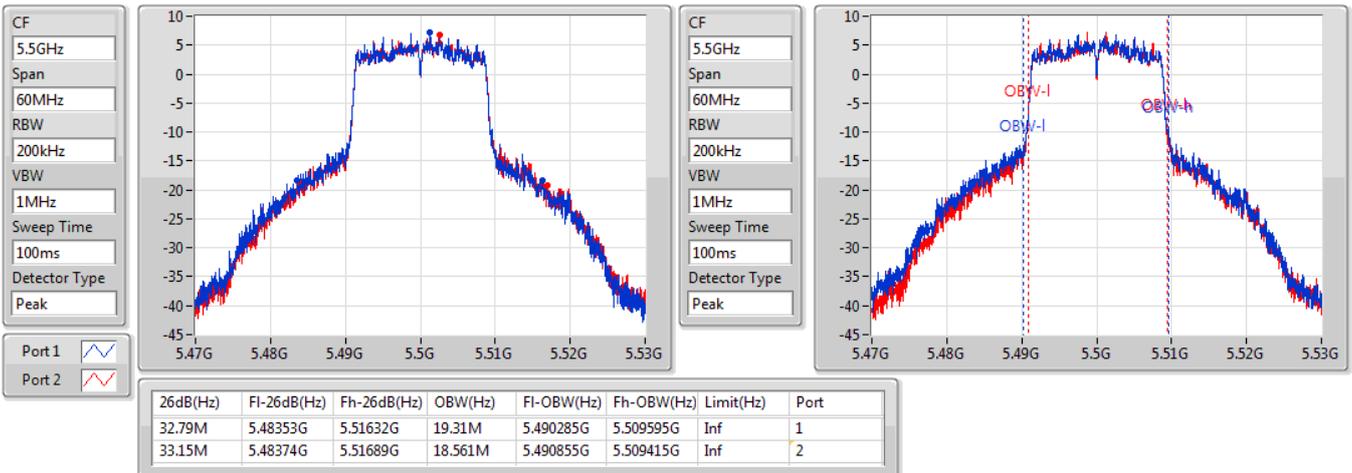


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5500MHz

24/04/2020

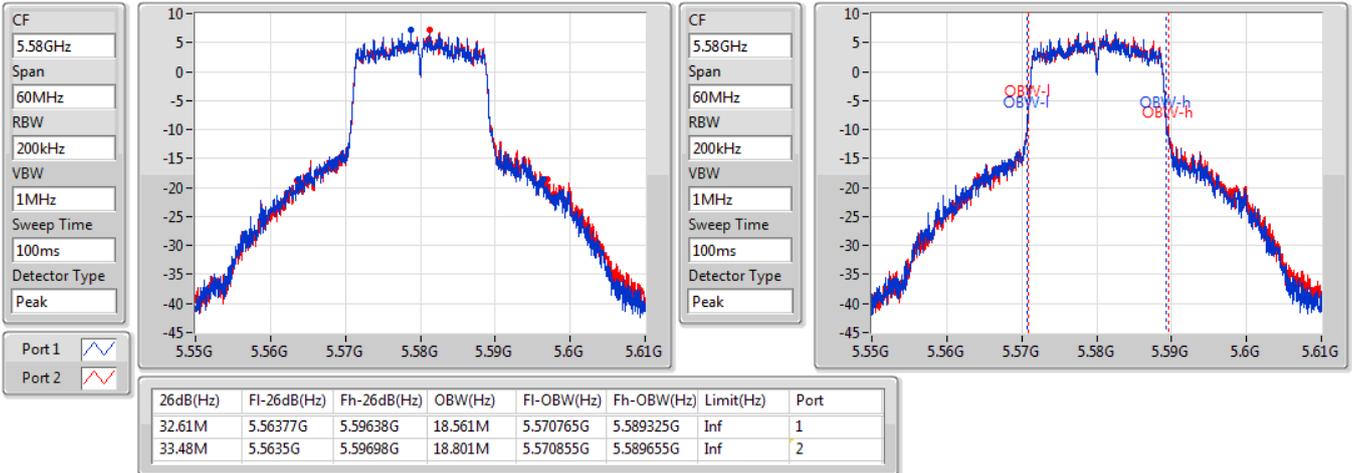


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5580MHz

24/04/2020

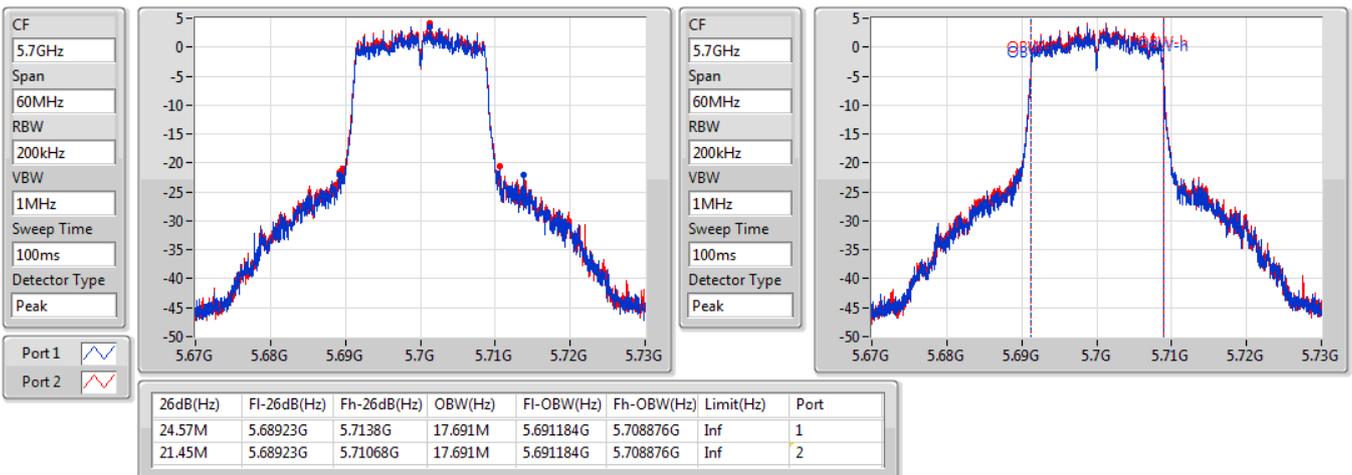


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5700MHz

24/04/2020

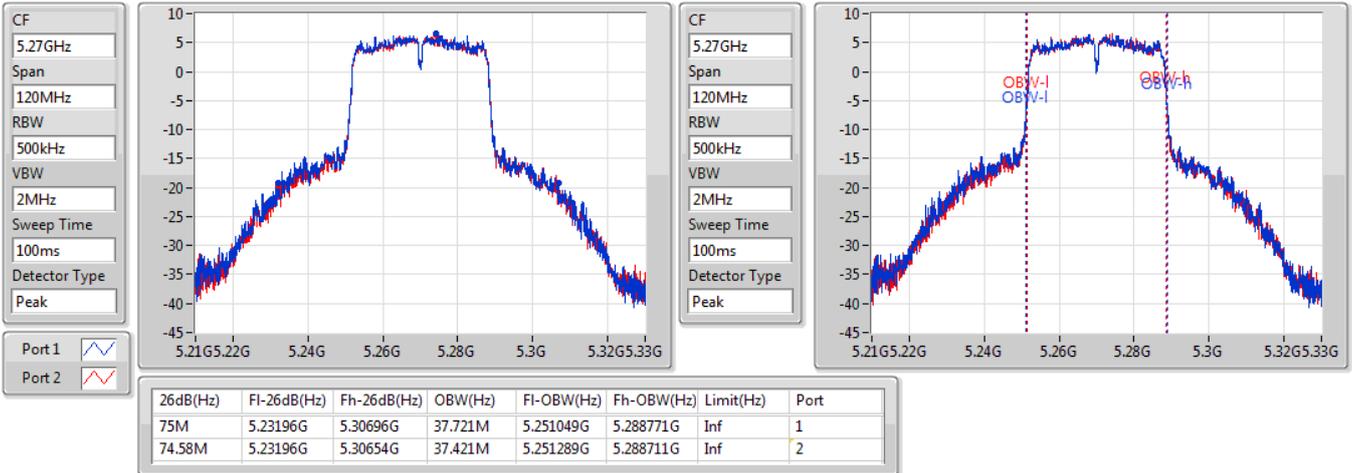


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5270MHz

24/04/2020

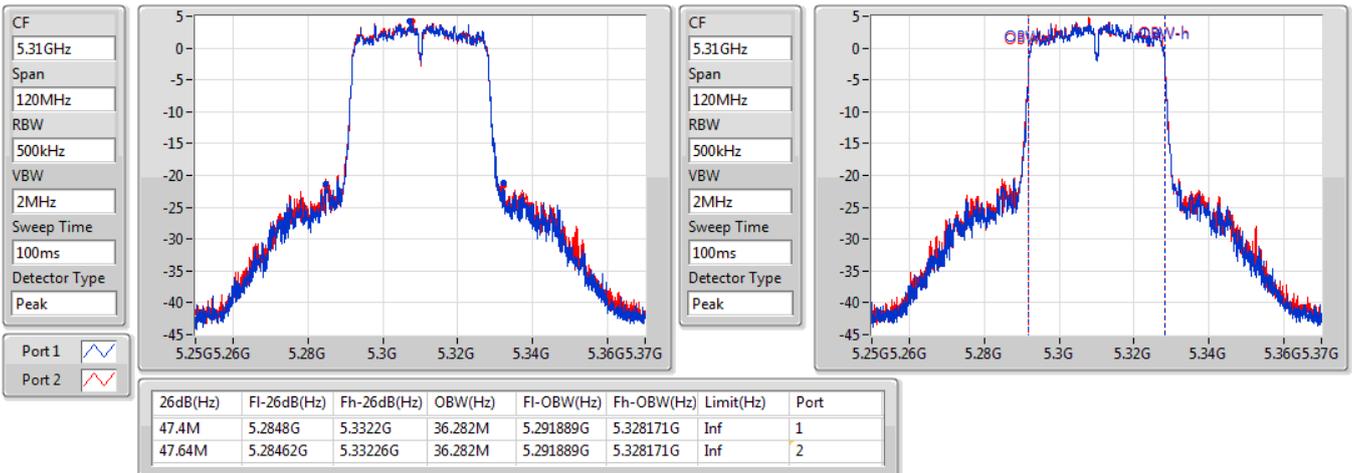


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5310MHz

24/04/2020



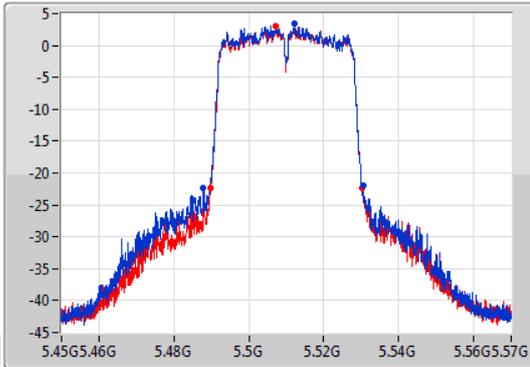
802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

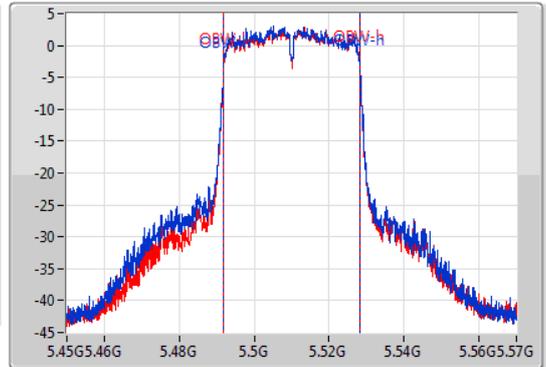
5510MHz

24/04/2020

CF  
5.51GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.51GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.54M	5.48786G	5.5304G	36.222M	5.491889G	5.528111G	Inf	1
40.5M	5.48972G	5.53022G	36.162M	5.491949G	5.528111G	Inf	2

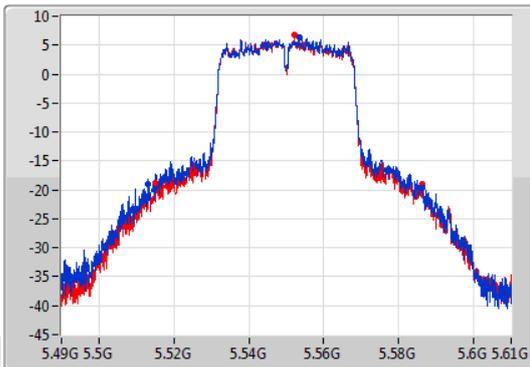
802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

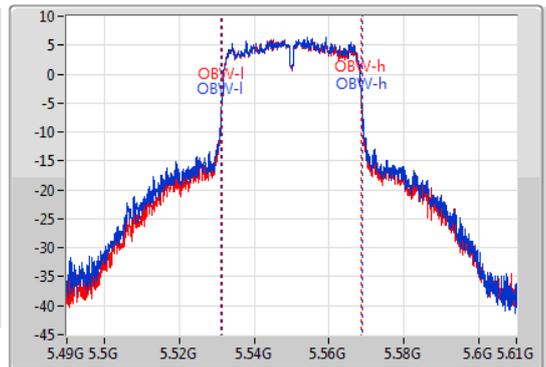
5550MHz

24/04/2020

CF  
5.55GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.55GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



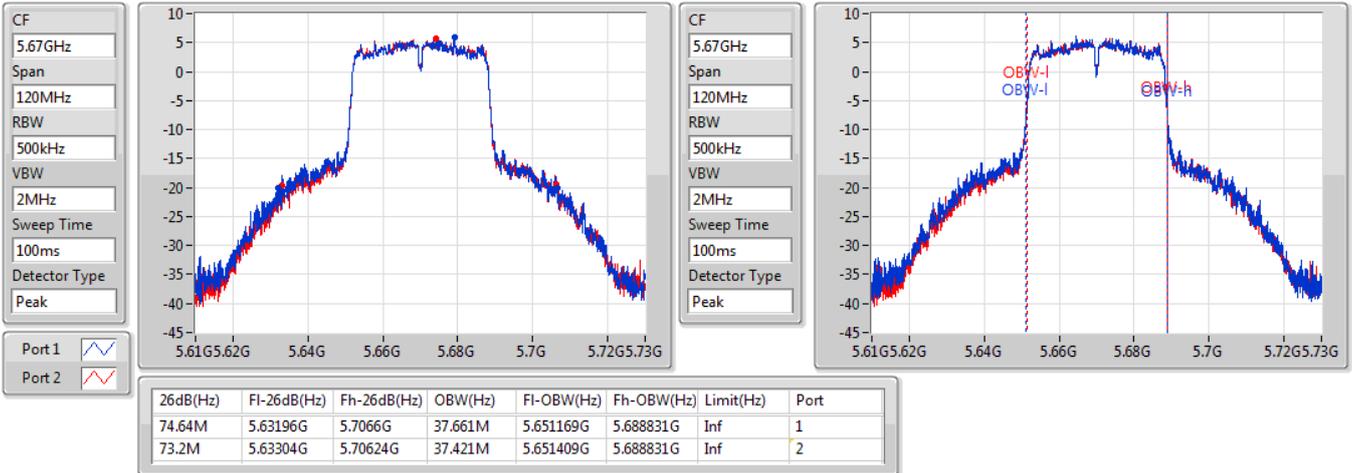
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.32M	5.51292G	5.58624G	37.601M	5.531229G	5.568831G	Inf	1
71.1M	5.51502G	5.58612G	37.001M	5.531529G	5.568531G	Inf	2

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5670MHz

24/04/2020

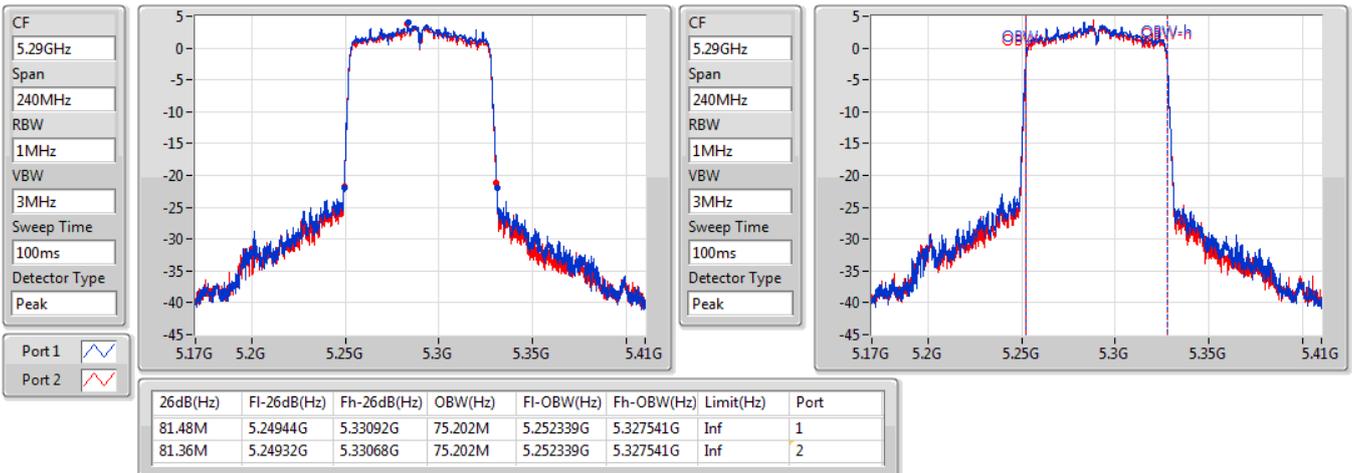


### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

5290MHz

24/04/2020



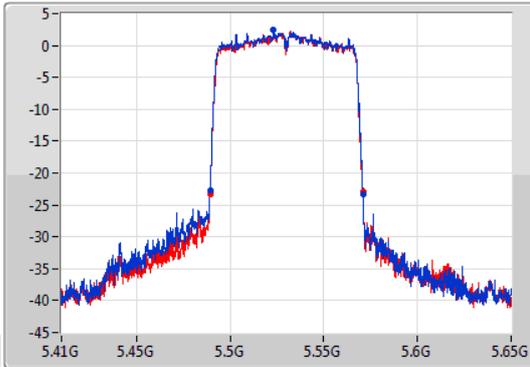
802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

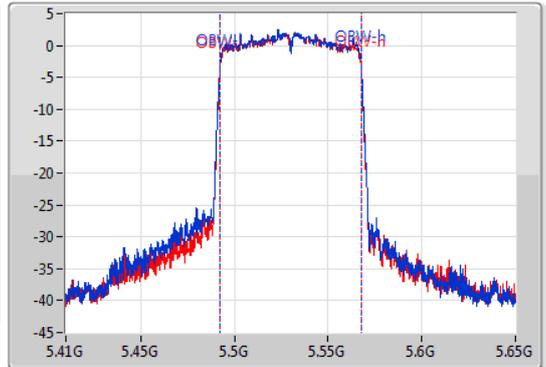
5530MHz

24/04/2020

CF  
5.53GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.53GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.48932G	5.57092G	75.202M	5.492339G	5.567541G	Inf	1
81.48M	5.48932G	5.5708G	75.082M	5.492459G	5.567541G	Inf	2

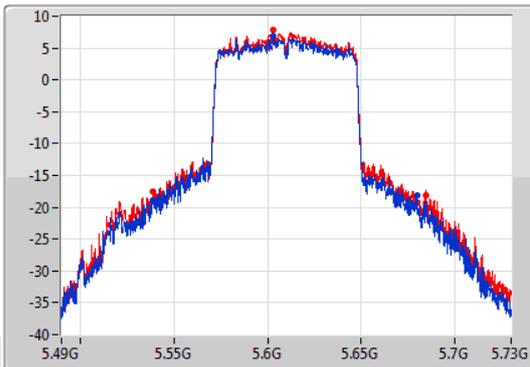
802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

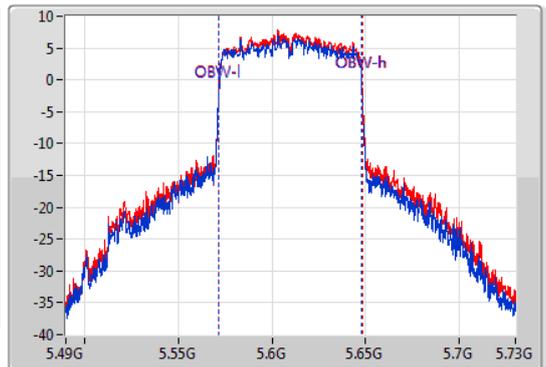
5610MHz

24/04/2020

CF  
5.61GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.61GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
141.24M	5.5386G	5.67984G	76.522M	5.571499G	5.648021G	Inf	1
146.16M	5.5386G	5.68476G	76.762M	5.571499G	5.648261G	Inf	2



## Average Power Result

Appendix B

### Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.39	0.10940
802.11ac VHT20_Nss1,(MCS0)_2TX	20.31	0.10740
802.11ac VHT40_Nss1,(MCS0)_2TX	19.73	0.09397
802.11ac VHT80_Nss1,(MCS0)_2TX	15.76	0.03767
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.19	0.10447
802.11ac VHT20_Nss1,(MCS0)_2TX	20.21	0.10495
802.11ac VHT40_Nss1,(MCS0)_2TX	19.50	0.08913
802.11ac VHT80_Nss1,(MCS0)_2TX	19.07	0.08072



## Average Power Result

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.00	17.21	17.54	20.39	23.98
5300MHz	Pass	2.00	17.12	17.36	20.25	23.98
5320MHz	Pass	2.00	17.12	17.52	20.33	23.98
5500MHz	Pass	2.00	17.13	17.22	20.19	23.98
5580MHz	Pass	2.00	17.07	17.22	20.16	23.98
5700MHz	Pass	2.00	14.57	14.97	17.78	23.98
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.00	17.10	17.49	20.31	23.98
5300MHz	Pass	2.00	16.97	17.33	20.16	23.98
5320MHz	Pass	2.00	16.69	16.91	19.81	23.98
5500MHz	Pass	2.00	17.26	17.13	20.21	23.98
5580MHz	Pass	2.00	17.29	17.11	20.21	23.98
5700MHz	Pass	2.00	14.15	14.41	17.29	23.98
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	2.00	16.78	16.66	19.73	23.98
5310MHz	Pass	2.00	14.25	14.37	17.32	23.98
5510MHz	Pass	2.00	13.34	13.18	16.27	23.98
5550MHz	Pass	2.00	16.54	16.44	19.50	23.98
5670MHz	Pass	2.00	15.98	16.03	19.02	23.98
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	2.00	12.93	12.57	15.76	23.98
5530MHz	Pass	2.00	11.52	11.42	14.48	23.98
5610MHz	Pass	2.00	15.89	16.22	19.07	23.98

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



**Summary**

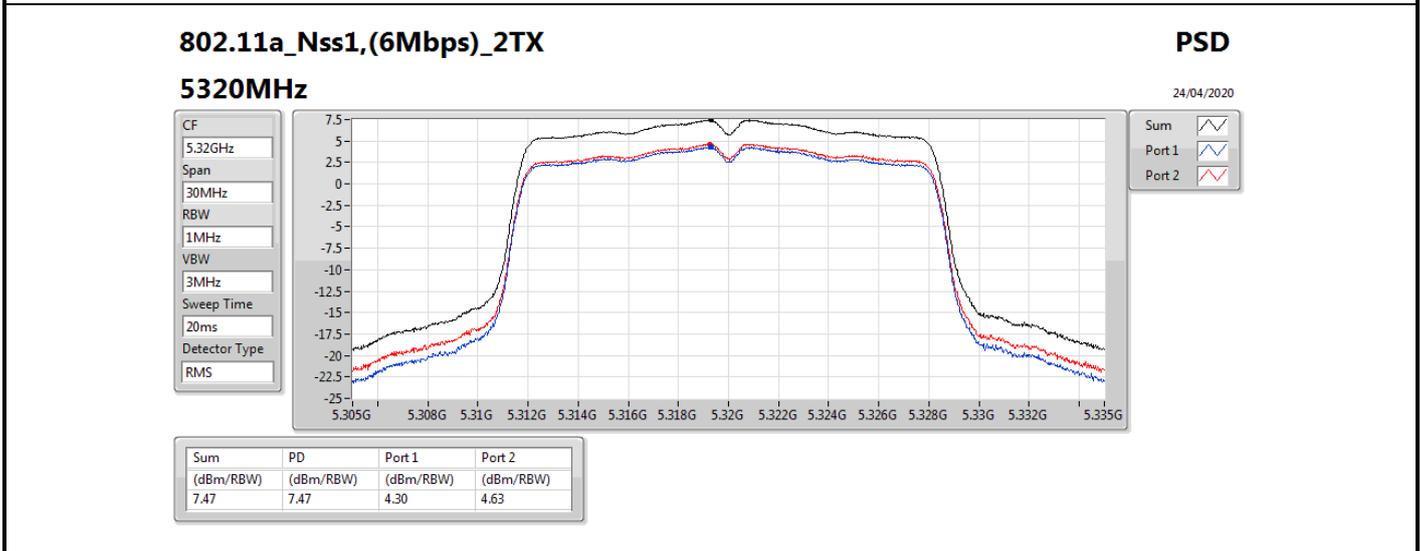
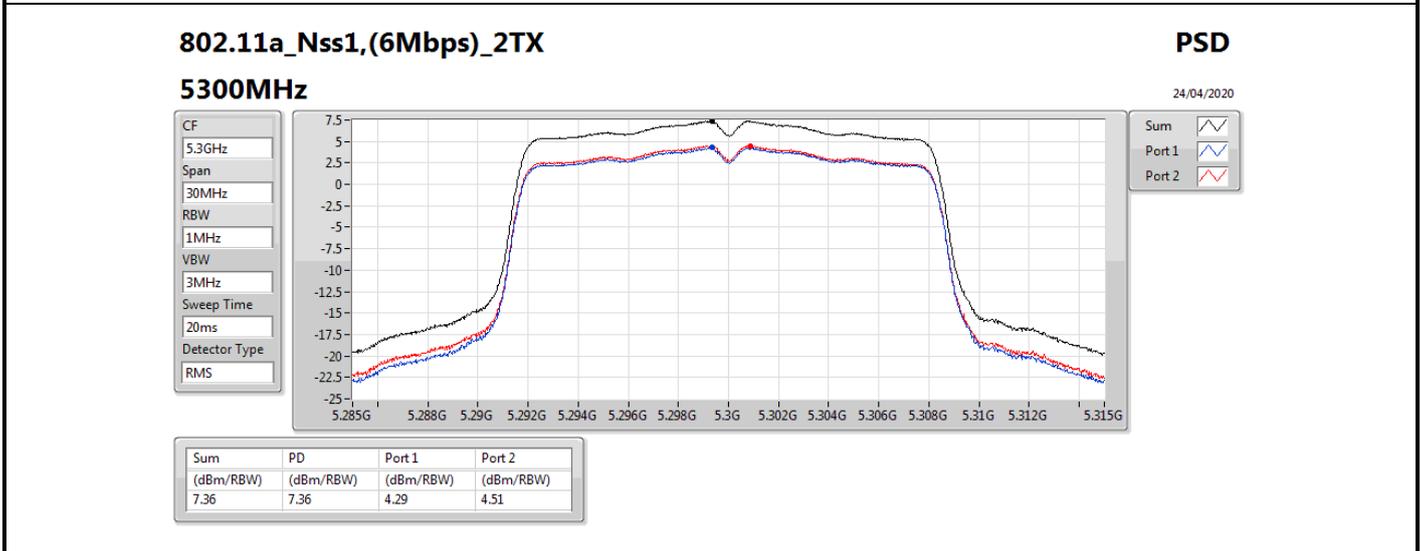
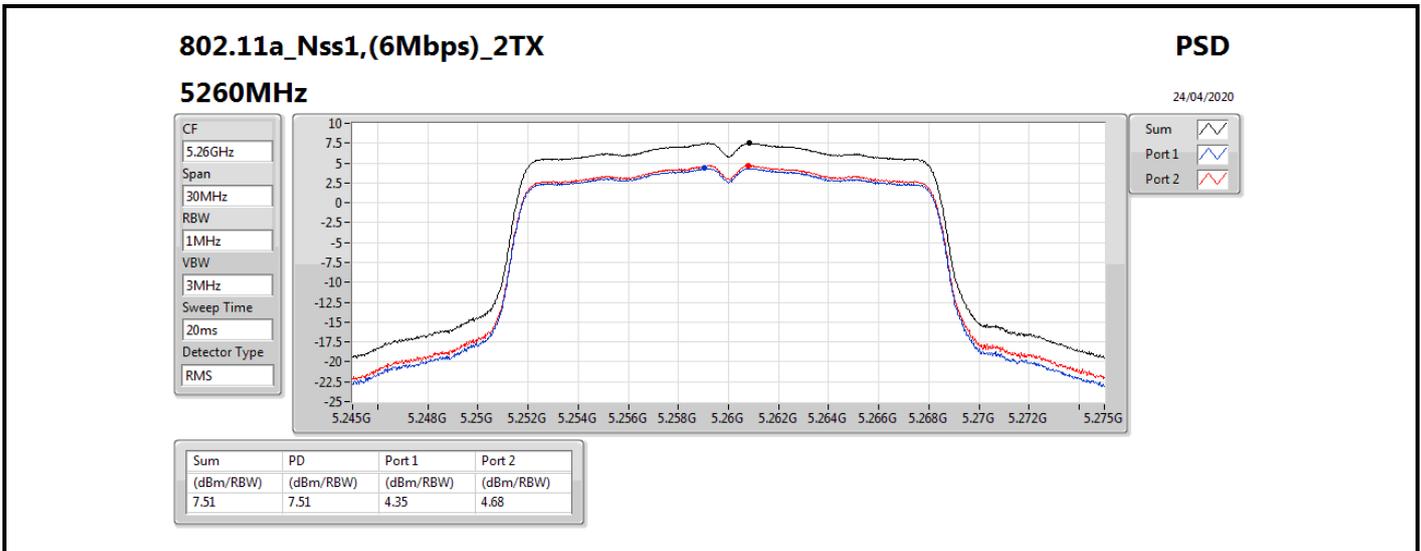
Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.51
802.11ac VHT20_Nss1,(MCS0)_2TX	7.11
802.11ac VHT40_Nss1,(MCS0)_2TX	3.63
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.27
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.42
802.11ac VHT20_Nss1,(MCS0)_2TX	7.09
802.11ac VHT40_Nss1,(MCS0)_2TX	3.27
802.11ac VHT80_Nss1,(MCS0)_2TX	0.10

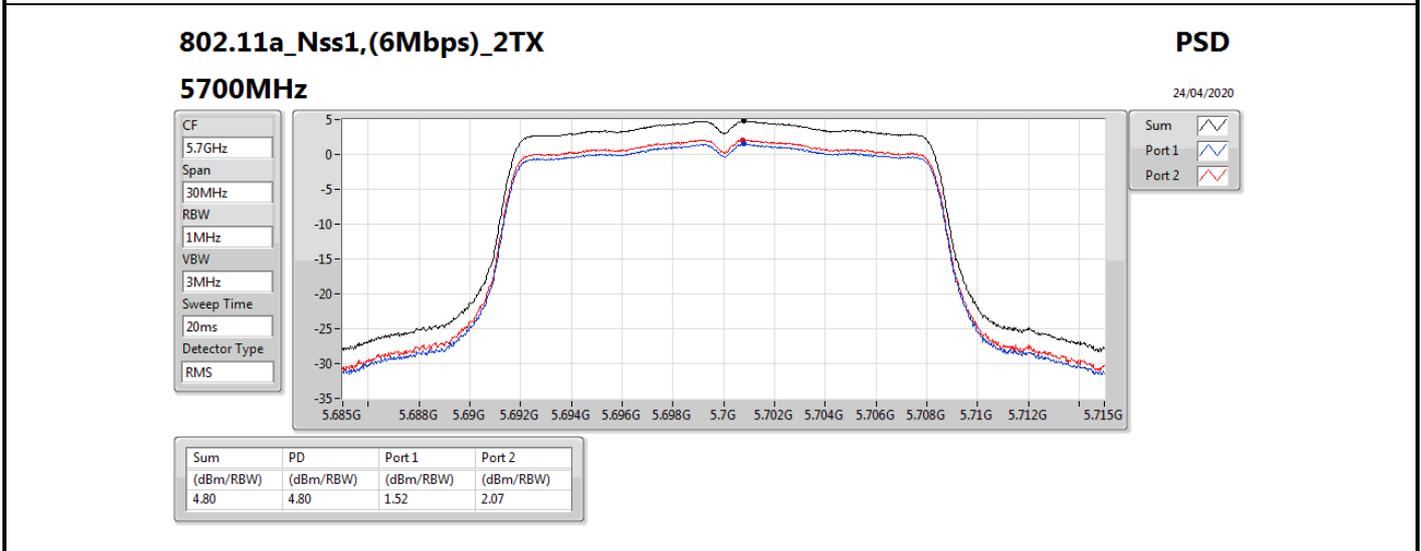
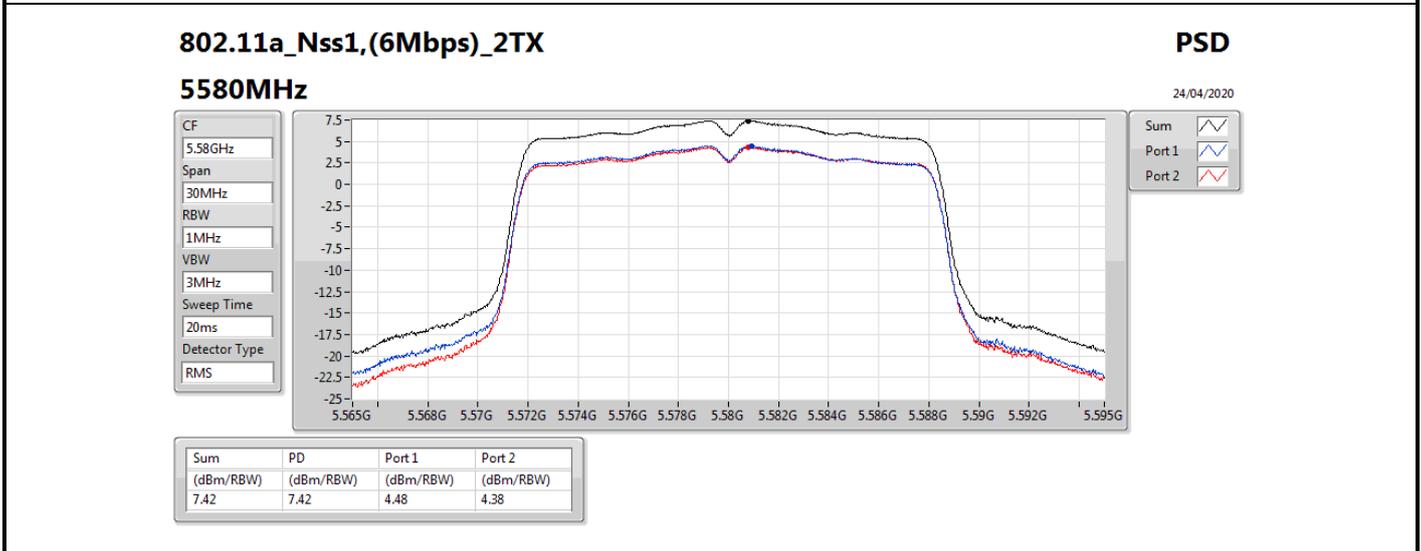
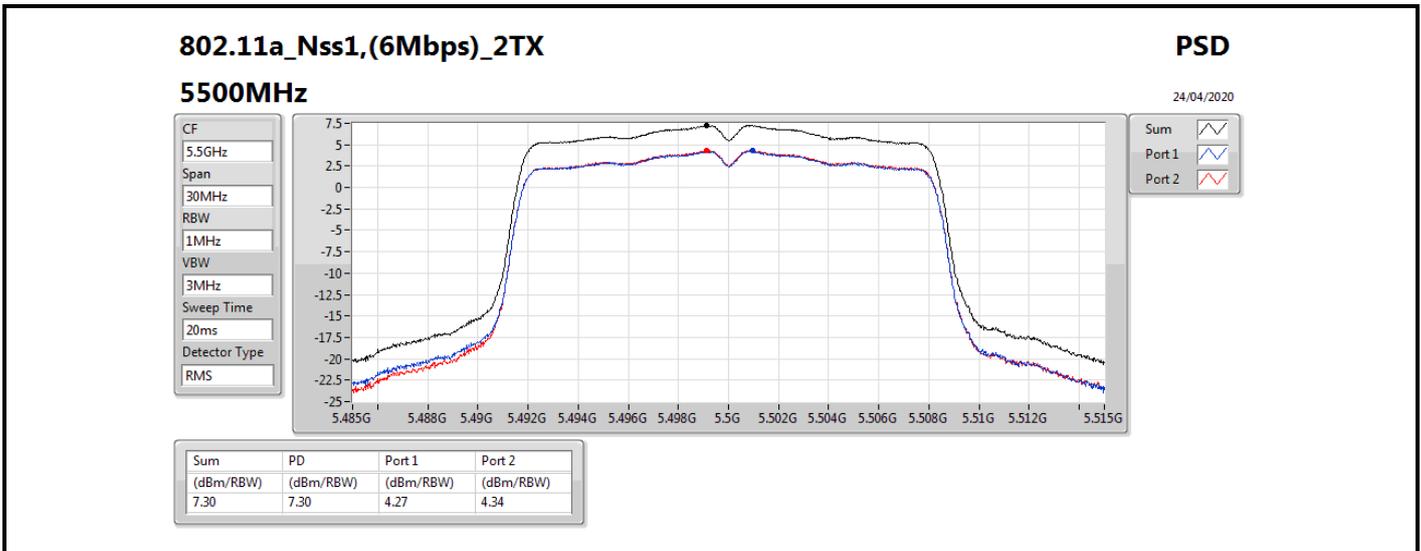
RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

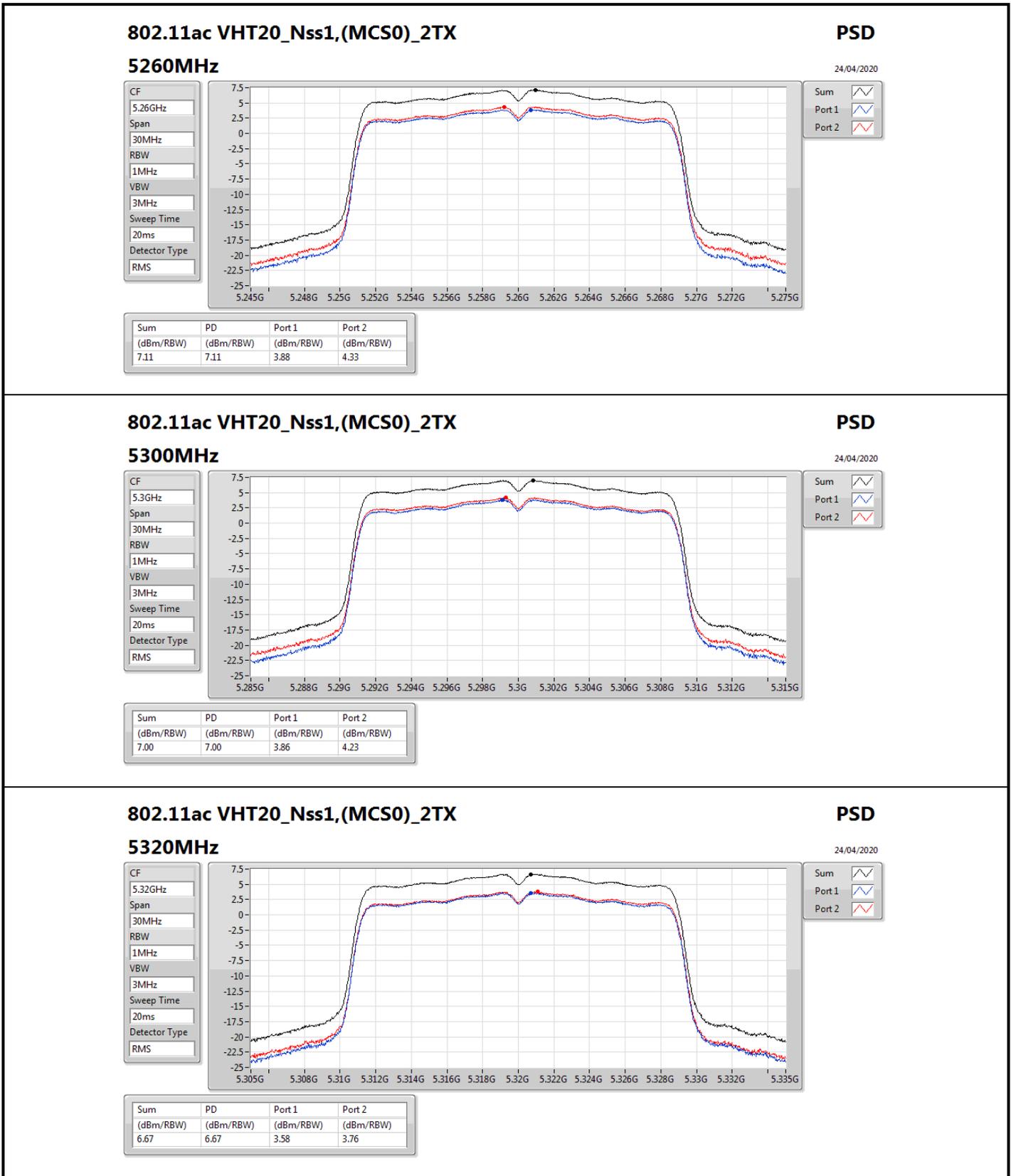
**Result**

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	5.01	4.35	4.68	7.51	11.00
5300MHz	Pass	5.01	4.29	4.51	7.36	11.00
5320MHz	Pass	5.01	4.30	4.63	7.47	11.00
5500MHz	Pass	5.01	4.27	4.34	7.30	11.00
5580MHz	Pass	5.01	4.48	4.38	7.42	11.00
5700MHz	Pass	5.01	1.52	2.07	4.80	11.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	5.01	3.88	4.33	7.11	11.00
5300MHz	Pass	5.01	3.86	4.23	7.00	11.00
5320MHz	Pass	5.01	3.58	3.76	6.67	11.00
5500MHz	Pass	5.01	4.09	3.98	7.04	11.00
5580MHz	Pass	5.01	4.20	3.99	7.09	11.00
5700MHz	Pass	5.01	0.69	1.28	3.99	11.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	5.01	0.56	0.85	3.63	11.00
5310MHz	Pass	5.01	-2.01	-1.84	1.07	11.00
5510MHz	Pass	5.01	-2.95	-3.13	-0.07	11.00
5550MHz	Pass	5.01	0.33	0.18	3.27	11.00
5670MHz	Pass	5.01	-0.15	-0.28	2.74	11.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	5.01	-6.10	-6.38	-3.27	11.00
5530MHz	Pass	5.01	-7.60	-7.58	-4.64	11.00
5610MHz	Pass	5.01	-3.13	-2.62	0.10	11.00

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







### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

#### 5320MHz

PSD

24/04/2020

CF

5.32GHz

Span

30MHz

RBW

1MHz

VBW

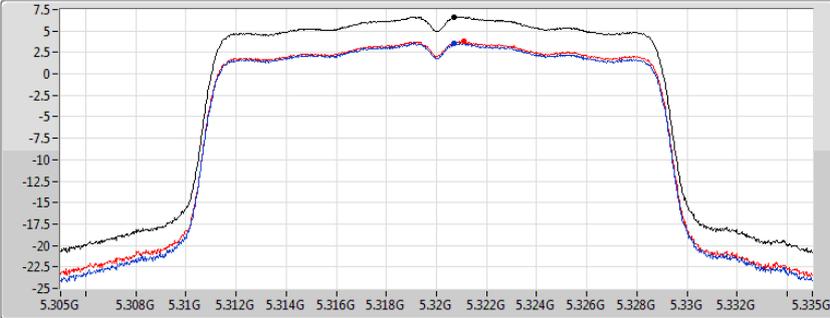
3MHz

Sweep Time

20ms

Detector Type

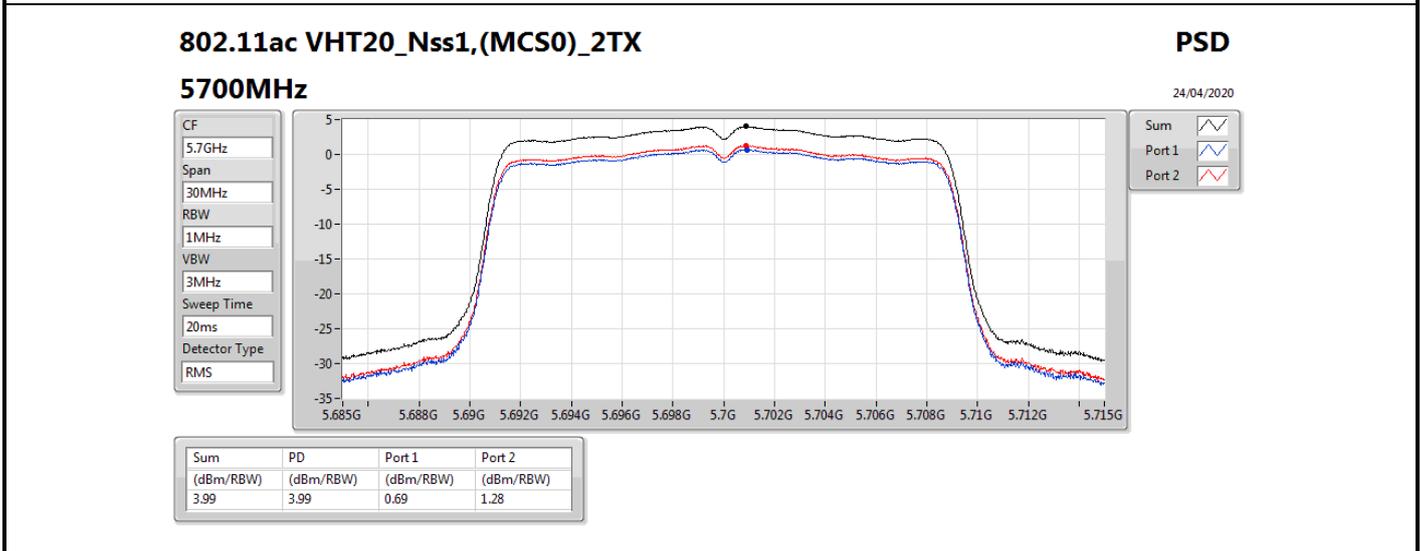
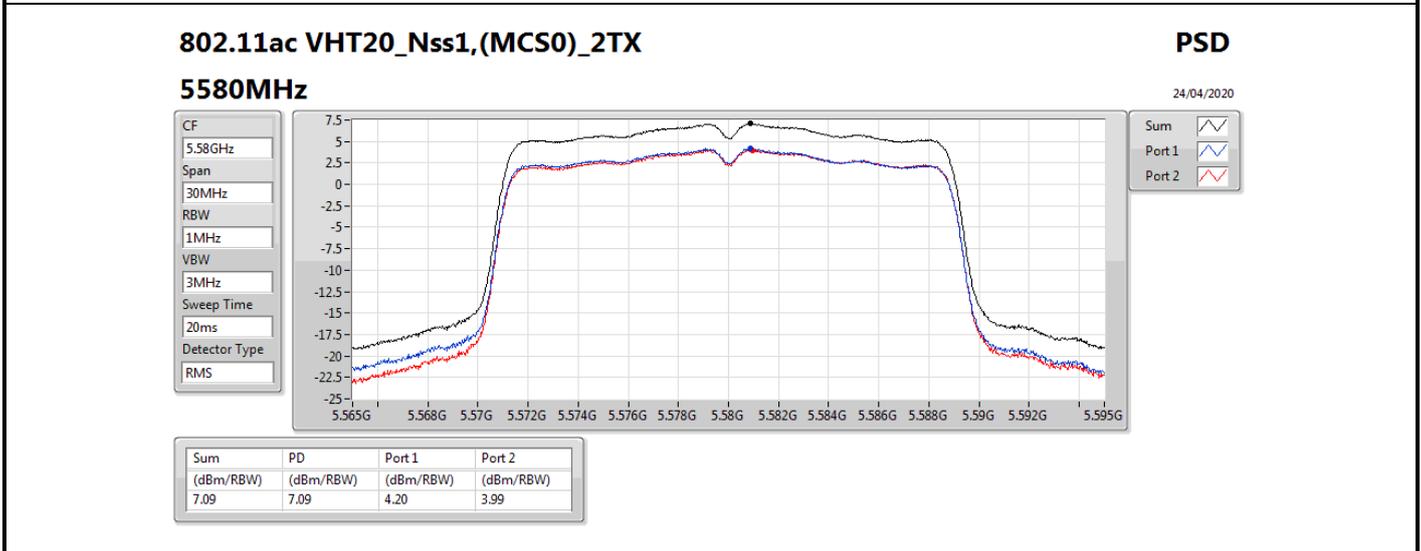
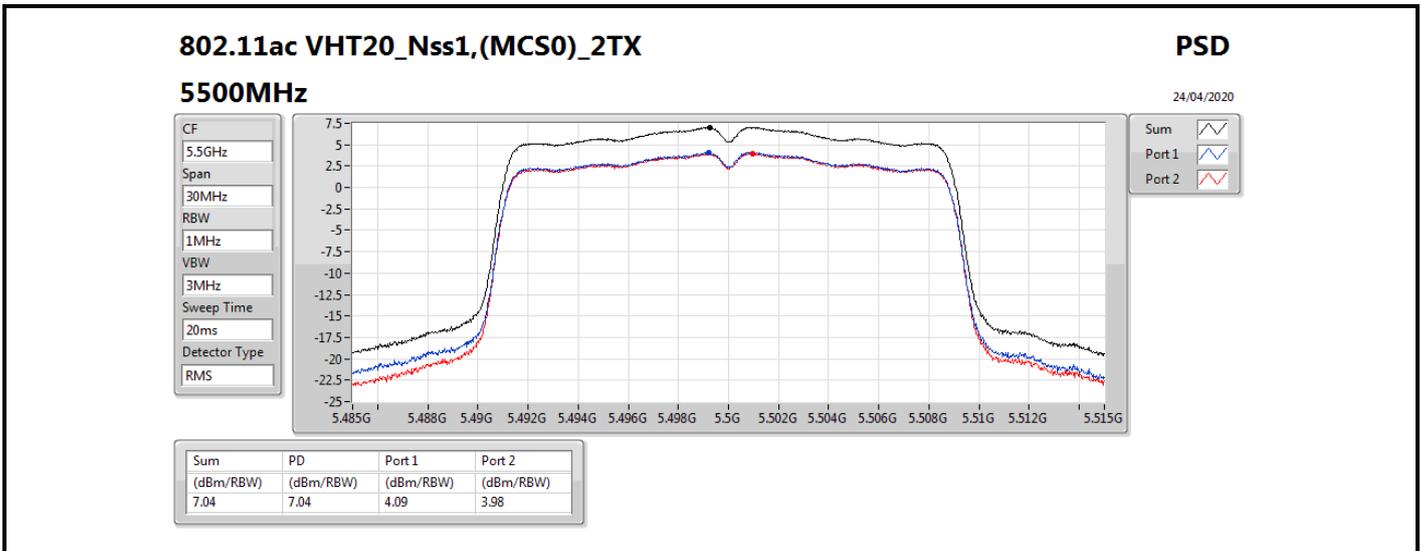
RMS

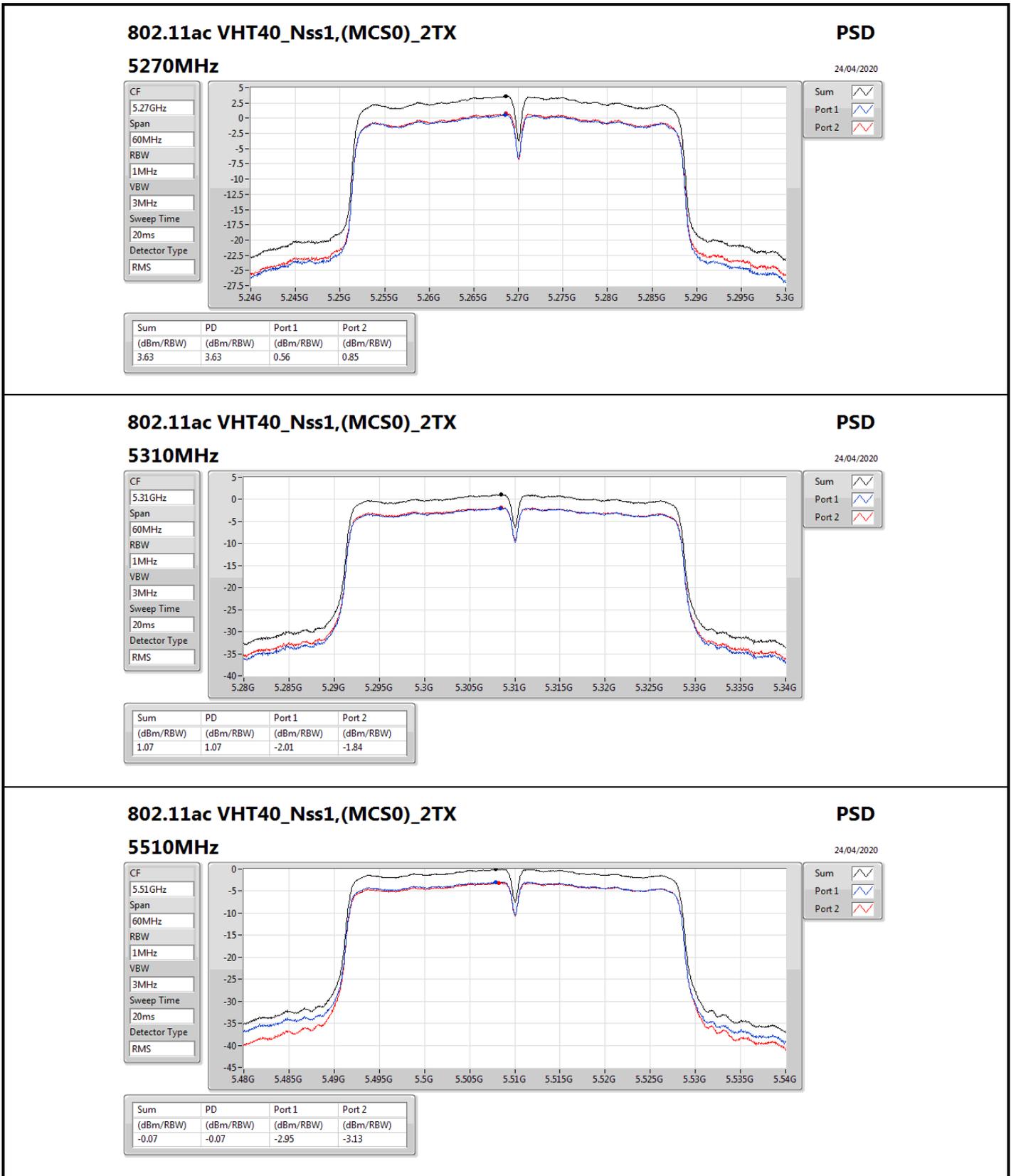


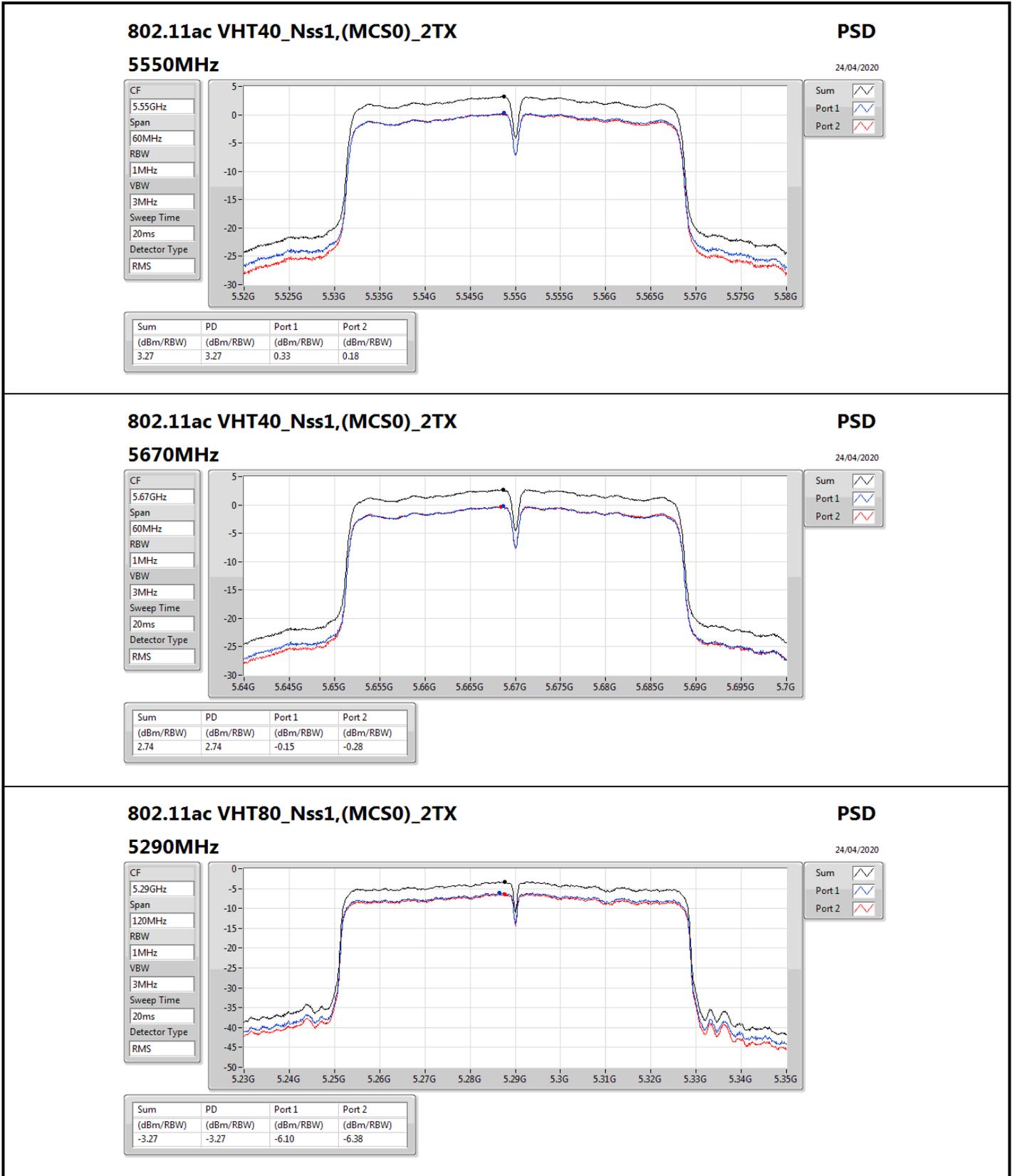
Sum

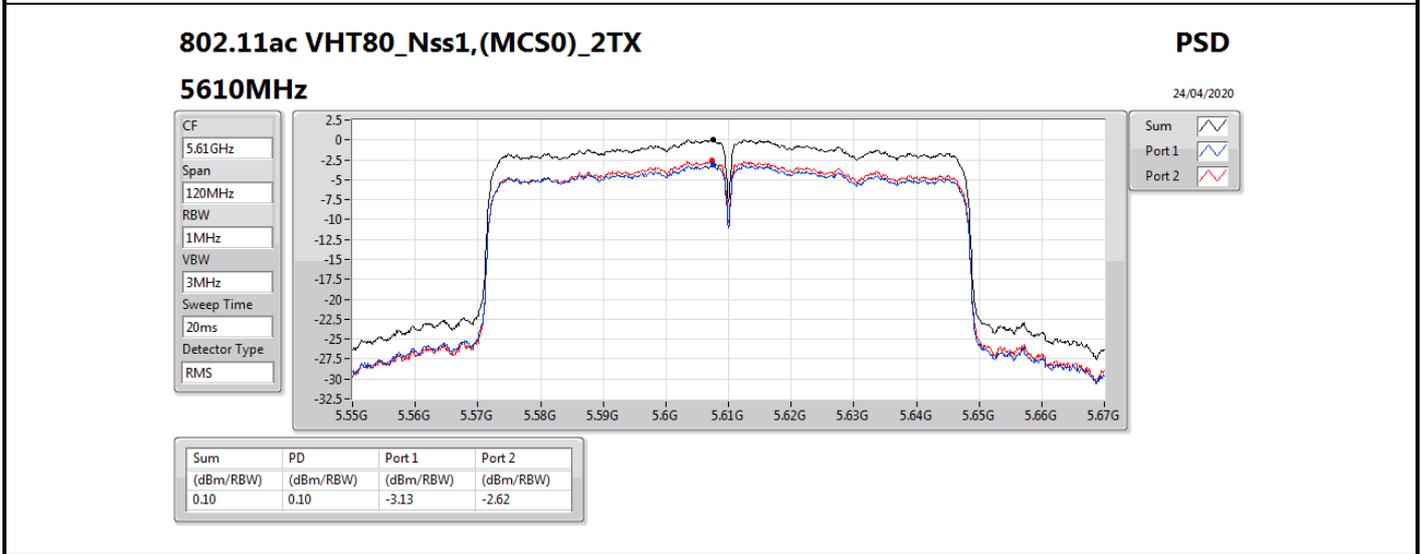
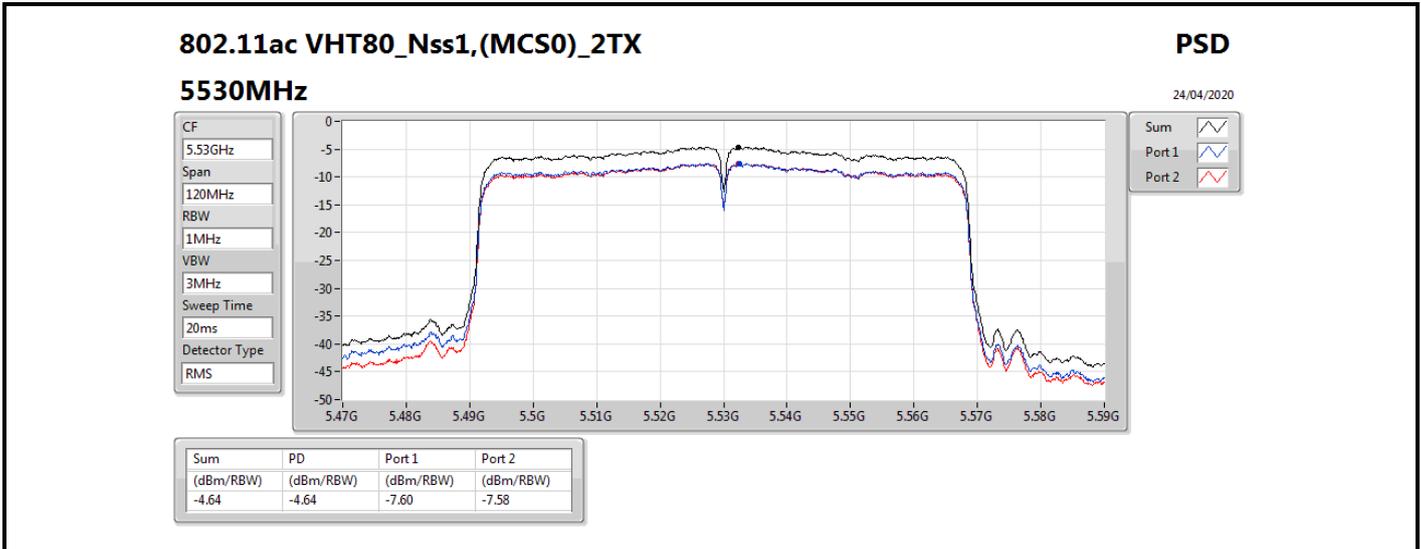
Port 1

Port 2











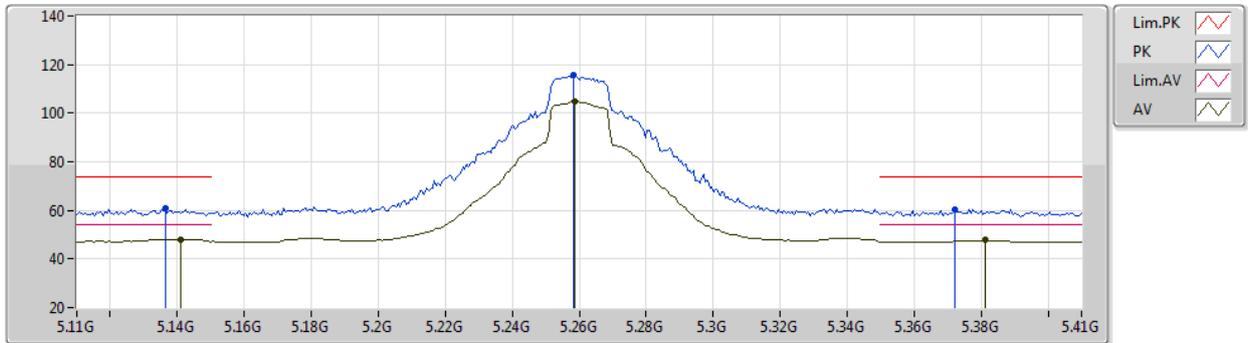
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac_VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.47G	68.13	68.20	-0.07	3	Vertical	88	1.06	-

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5260MHz\_TX



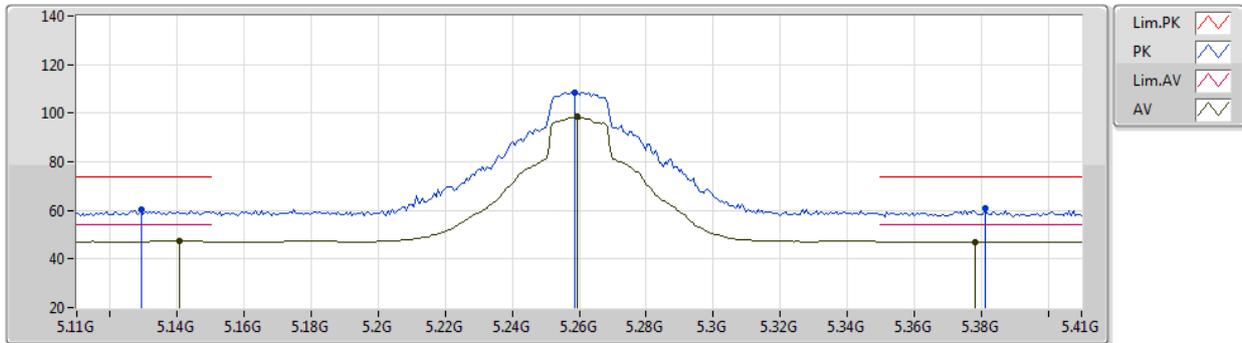
EUT Y\_2TX  
Setting 63  
02-B-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1364G	60.79	74.00	-13.21	50.50	3	Vertical	346	2.43	-	34.70	5.97	30.38
AV	5.1412G	47.98	54.00	-6.02	37.69	3	Vertical	346	2.43	-	34.70	5.97	30.38
PK	5.2582G	115.47	Inf	-Inf	104.99	3	Vertical	346	2.43	-	34.87	6.03	30.42
AV	5.2588G	104.87	Inf	-Inf	94.38	3	Vertical	346	2.43	-	34.88	6.03	30.42
PK	5.3722G	60.49	74.00	-13.51	50.08	3	Vertical	346	2.43	-	34.78	6.09	30.46
AV	5.3812G	47.73	54.00	-6.27	37.34	3	Vertical	346	2.43	-	34.76	6.09	30.46

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5260MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-J-7-10

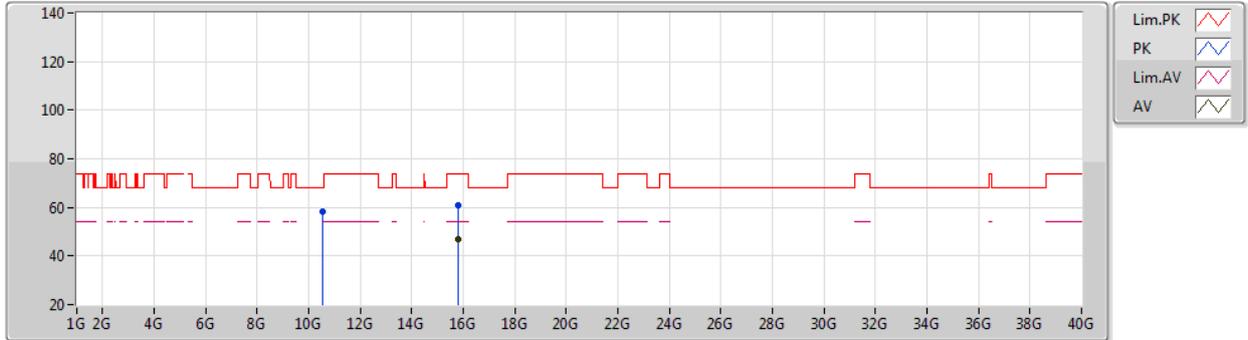
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1292G	60.52	74.00	-13.48	50.24	3	Horizontal	143	1.74	-	34.70	5.96	30.38
AV	5.1406G	47.35	54.00	-6.65	37.06	3	Horizontal	143	1.74	-	34.70	5.97	30.38
PK	5.2588G	108.70	Inf	-Inf	98.21	3	Horizontal	143	1.74	-	34.88	6.03	30.42
AV	5.2594G	98.42	Inf	-Inf	87.93	3	Horizontal	143	1.74	-	34.88	6.03	30.42
PK	5.3812G	60.88	74.00	-13.12	50.49	3	Horizontal	143	1.74	-	34.76	6.09	30.46
AV	5.3782G	47.11	54.00	-6.89	36.71	3	Horizontal	143	1.74	-	34.77	6.09	30.46



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5260MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

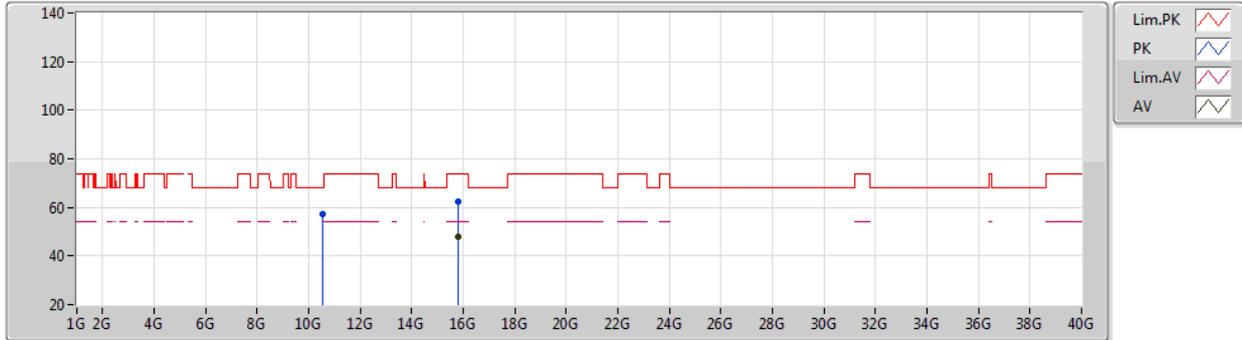
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.5176G	58.53	68.20	-9.67	41.43	3	Vertical	45	1.00	-	40.02	8.56	31.48
PK	15.7843G	61.03	74.00	-12.97	40.58	3	Vertical	245	1.80	-	43.15	9.33	32.03
AV	15.7797G	47.15	54.00	-6.85	26.70	3	Vertical	245	1.80	-	43.15	9.33	32.03



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5260MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

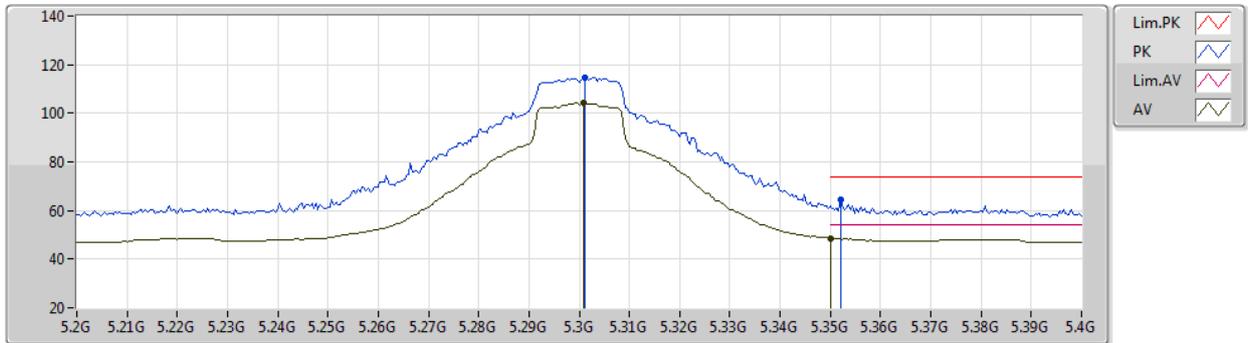
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.5222G	57.24	68.20	-10.96	40.13	3	Horizontal	254	1.76	-	40.03	8.56	31.48
PK	15.7838G	62.39	74.00	-11.61	41.94	3	Horizontal	65	1.87	-	43.15	9.33	32.03
AV	15.7825G	47.95	54.00	-6.05	27.50	3	Horizontal	65	1.87	-	43.15	9.33	32.03



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5300MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-J-7-10

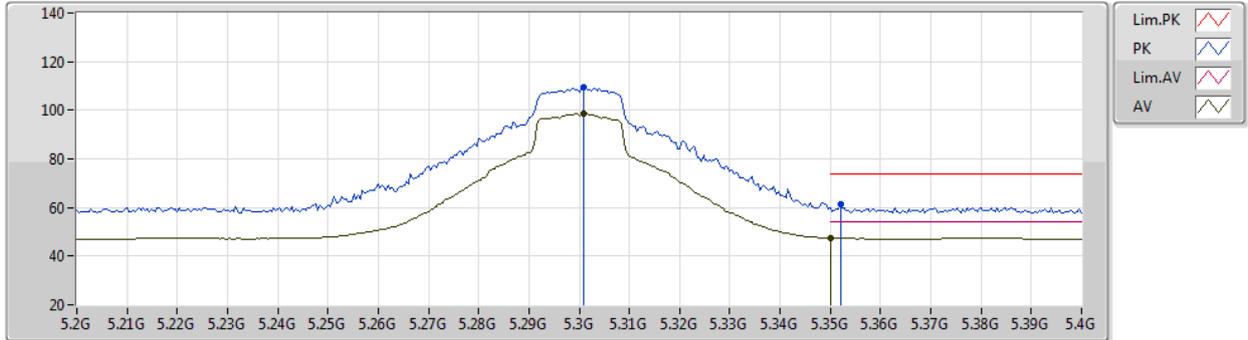
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3012G	114.79	Inf	-Inf	104.18	3	Vertical	63	2.40	-	35.00	6.05	30.44
AV	5.3008G	104.23	Inf	-Inf	93.62	3	Vertical	63	2.40	-	35.00	6.05	30.44
PK	5.352G	64.66	74.00	-9.34	54.20	3	Vertical	63	2.40	-	34.84	6.08	30.46
AV	5.35G	48.49	54.00	-5.51	38.02	3	Vertical	63	2.40	-	34.85	6.07	30.45



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5300MHz\_TX



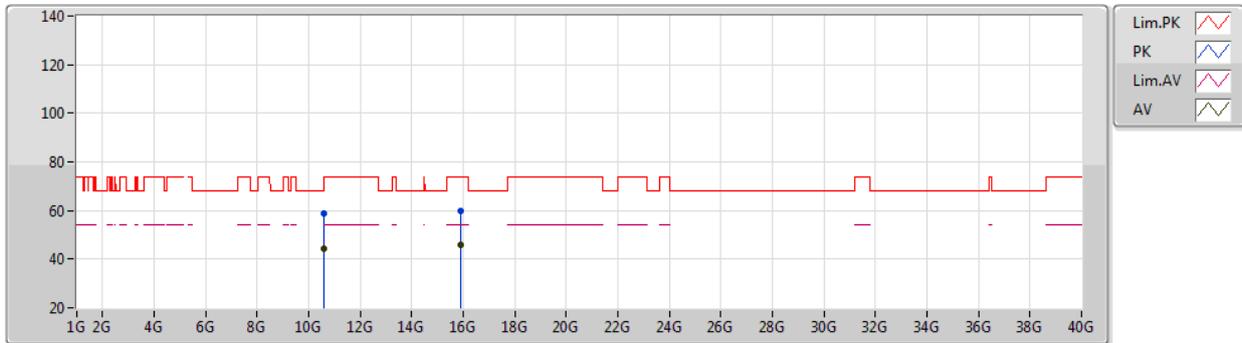
EUT Y\_2TX  
Setting 63  
02-B-J-7-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3008G	109.32	Inf	-Inf	98.71	3	Horizontal	142	1.71	-	35.00	6.05	30.44
AV	5.3008G	98.57	Inf	-Inf	87.96	3	Horizontal	142	1.71	-	35.00	6.05	30.44
PK	5.352G	61.61	74.00	-12.39	51.15	3	Horizontal	142	1.71	-	34.84	6.08	30.46
AV	5.35G	47.50	54.00	-6.50	37.03	3	Horizontal	142	1.71	-	34.85	6.07	30.45

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5300MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

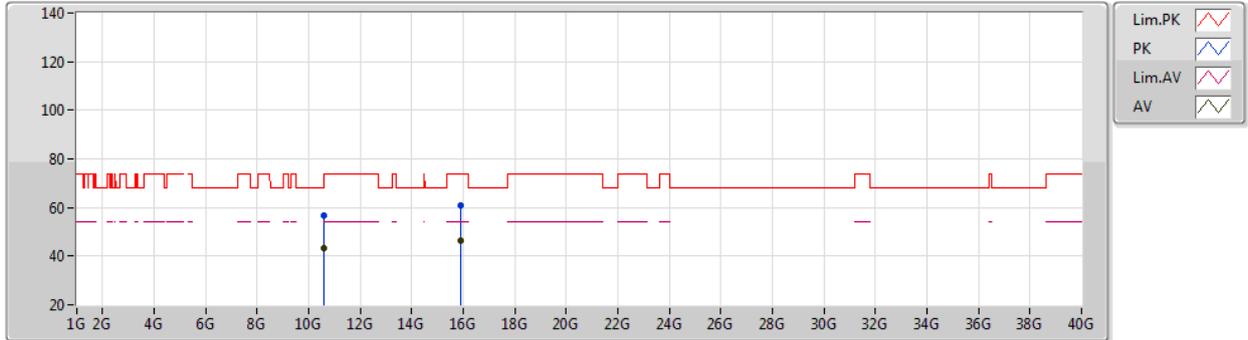
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6056G	58.62	74.00	-15.38	41.36	3	Vertical	46	1.00	-	40.15	8.59	31.48
AV	10.6023G	44.12	54.00	-9.88	26.87	3	Vertical	46	1.00	-	40.14	8.59	31.48
PK	15.9047G	59.91	74.00	-14.09	39.53	3	Vertical	235	1.72	-	43.07	9.37	32.06
AV	15.9023G	46.03	54.00	-7.97	25.65	3	Vertical	235	1.72	-	43.07	9.37	32.06



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5300MHz\_TX



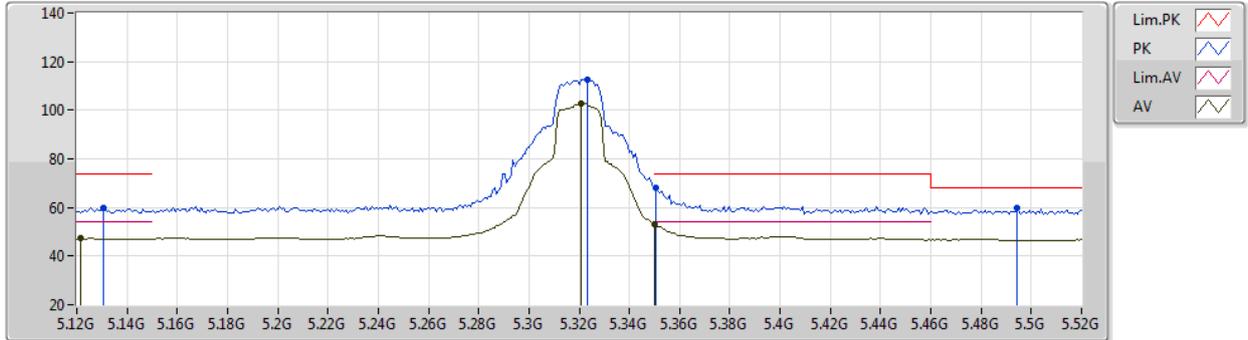
EUT Y\_2TX  
Setting 63  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6022G	56.91	74.00	-17.09	39.66	3	Horizontal	255	1.70	-	40.14	8.59	31.48
AV	10.602G	43.09	54.00	-10.91	25.84	3	Horizontal	255	1.70	-	40.14	8.59	31.48
PK	15.9041G	61.09	74.00	-12.91	40.71	3	Horizontal	60	1.83	-	43.07	9.37	32.06
AV	15.8998G	46.41	54.00	-7.59	26.03	3	Horizontal	60	1.83	-	43.07	9.37	32.06

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5320MHz\_TX



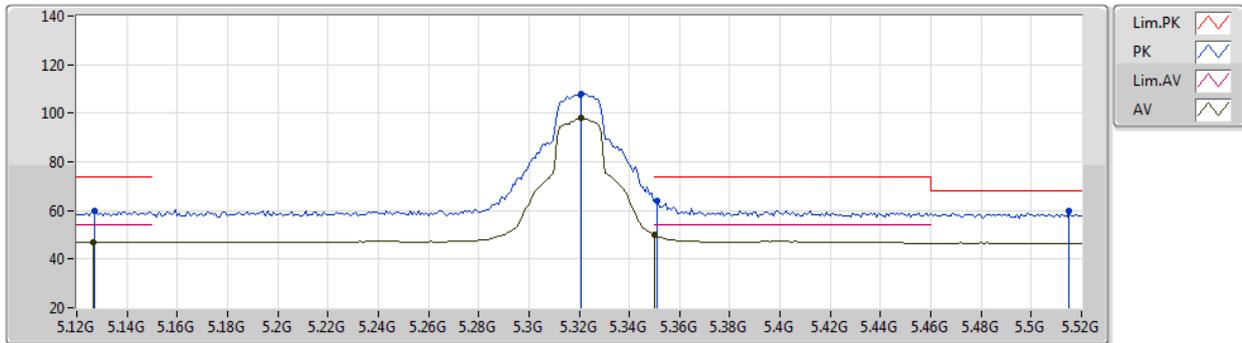
EUT Y\_2TX  
Setting 25  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1304G	59.74	74.00	-14.26	49.45	3	Vertical	59	2.51	-	34.70	5.97	30.38
AV	5.1216G	47.25	54.00	-6.75	36.97	3	Vertical	59	2.51	-	34.70	5.96	30.38
PK	5.3232G	112.57	Inf	-Inf	102.03	3	Vertical	59	2.51	-	34.93	6.06	30.45
AV	5.3208G	102.78	Inf	-Inf	92.23	3	Vertical	59	2.51	-	34.94	6.06	30.45
PK	5.3504G	68.30	74.00	-5.70	57.83	3	Vertical	59	2.51	-	34.85	6.08	30.46
AV	5.35G	53.10	54.00	-0.90	42.63	3	Vertical	59	2.51	-	34.85	6.08	30.46
PK	5.4944G	59.58	68.20	-8.62	49.38	3	Vertical	59	2.51	-	34.51	6.20	30.51

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5320MHz\_TX



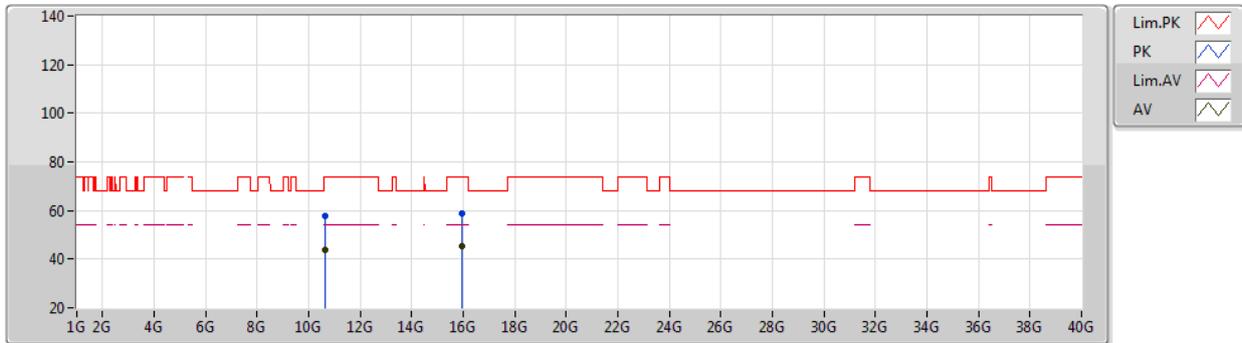
EUT Y\_2TX  
Setting 25  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1272G	59.71	74.00	-14.29	49.43	3	Horizontal	144	1.82	-	34.70	5.96	30.38
AV	5.1264G	47.12	54.00	-6.88	36.84	3	Horizontal	144	1.82	-	34.70	5.96	30.38
PK	5.3208G	107.84	Inf	-Inf	97.29	3	Horizontal	144	1.82	-	34.94	6.06	30.45
AV	5.3208G	97.92	Inf	-Inf	87.37	3	Horizontal	144	1.82	-	34.94	6.06	30.45
PK	5.3512G	64.09	74.00	-9.91	53.62	3	Horizontal	144	1.82	-	34.85	6.08	30.46
AV	5.35G	49.94	54.00	-4.06	39.47	3	Horizontal	144	1.82	-	34.85	6.08	30.46
PK	5.5152G	59.64	68.20	-8.56	49.45	3	Horizontal	144	1.82	-	34.48	6.22	30.51

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5320MHz\_TX



EUT Y\_2TX  
Setting 25  
02-B-P-2

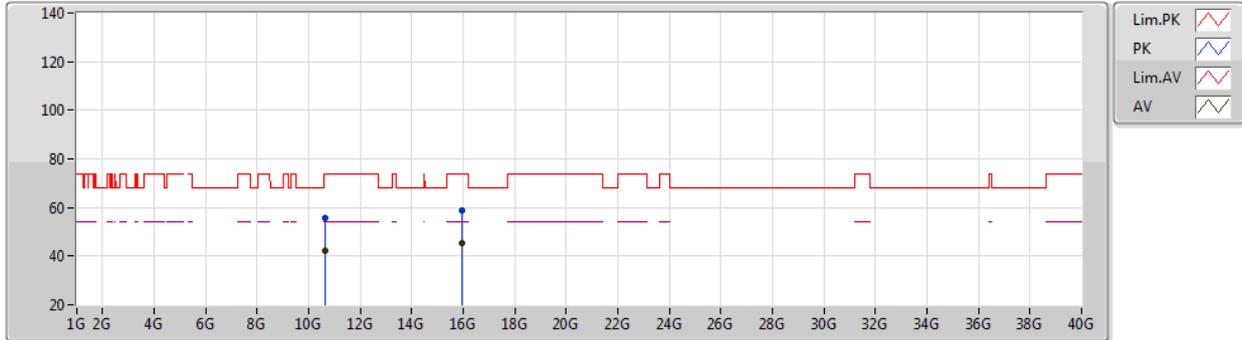
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.64G	57.56	74.00	-16.44	40.24	3	Vertical	46	1.00	-	40.20	8.60	31.48
AV	10.6425G	43.66	54.00	-10.34	26.34	3	Vertical	46	1.00	-	40.20	8.60	31.48
PK	15.9598G	58.87	74.00	-15.13	38.52	3	Vertical	244	1.78	-	43.03	9.39	32.07
AV	15.9599G	45.34	54.00	-8.66	24.99	3	Vertical	244	1.78	-	43.03	9.39	32.07



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5320MHz\_TX



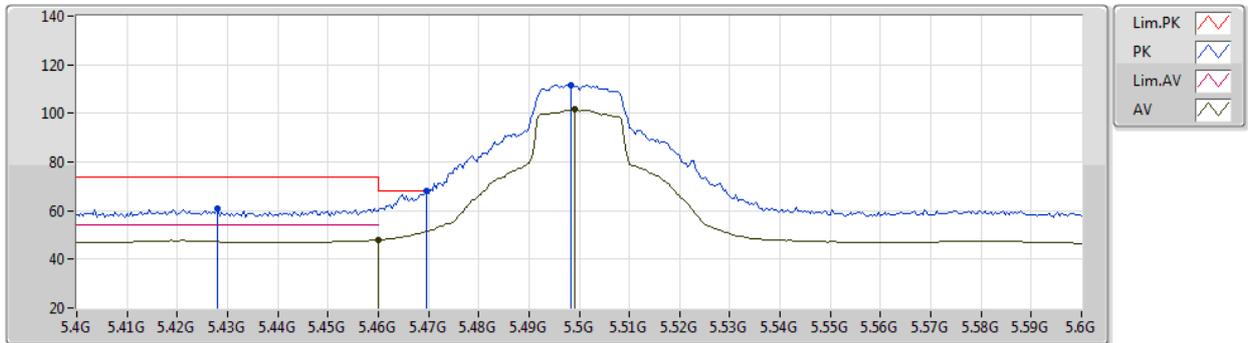
EUT Y\_2TX  
Setting 25  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6471G	55.86	74.00	-18.14	38.52	3	Horizontal	56	1.71	-	40.21	8.60	31.47
AV	10.6401G	42.29	54.00	-11.71	24.97	3	Horizontal	56	1.71	-	40.20	8.60	31.48
PK	15.9623G	58.55	74.00	-15.45	38.20	3	Horizontal	305	1.79	-	43.03	9.39	32.07
AV	15.96G	45.11	54.00	-8.89	24.76	3	Horizontal	305	1.79	-	43.03	9.39	32.07

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5500MHz\_TX



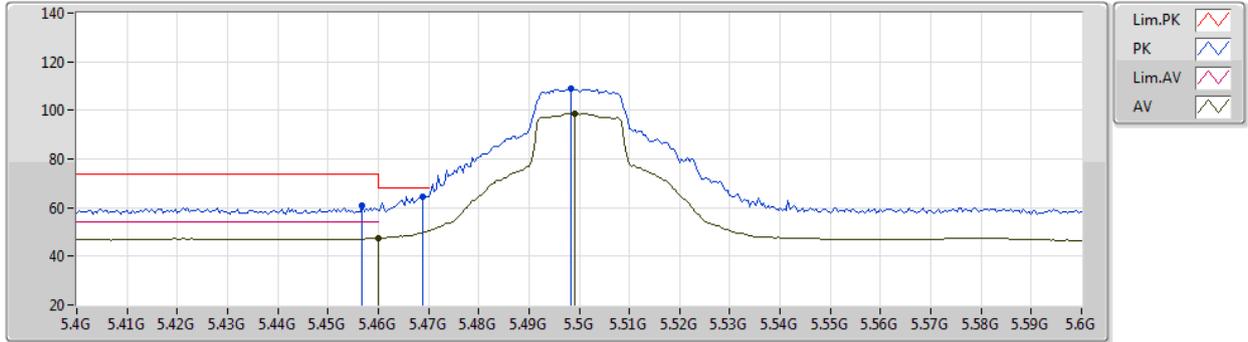
EUT Y\_2TX  
Setting 25  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.428G	60.72	74.00	-13.28	50.43	3	Vertical	17	3.00	-	34.64	6.13	30.48
AV	5.46G	48.06	54.00	-5.94	37.80	3	Vertical	17	3.00	-	34.58	6.17	30.49
PK	5.4696G	68.12	68.20	-0.08	57.88	3	Vertical	17	3.00	-	34.56	6.18	30.50
PK	5.4984G	111.61	Inf	-Inf	101.41	3	Vertical	17	3.00	-	34.50	6.21	30.51
AV	5.4992G	101.57	Inf	-Inf	91.37	3	Vertical	17	3.00	-	34.50	6.21	30.51

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5500MHz\_TX



EUT Y\_2TX  
Setting 25  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4568G	60.68	74.00	-13.32	50.42	3	Horizontal	141	2.08	-	34.59	6.16	30.49
AV	5.46G	47.41	54.00	-6.59	37.15	3	Horizontal	141	2.08	-	34.58	6.17	30.49
PK	5.4688G	64.74	68.20	-3.46	54.50	3	Horizontal	141	2.08	-	34.56	6.18	30.50
PK	5.4984G	108.85	Inf	-Inf	98.65	3	Horizontal	141	2.08	-	34.50	6.21	30.51
AV	5.4992G	98.85	Inf	-Inf	88.65	3	Horizontal	141	2.08	-	34.50	6.21	30.51



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5500MHz\_TX



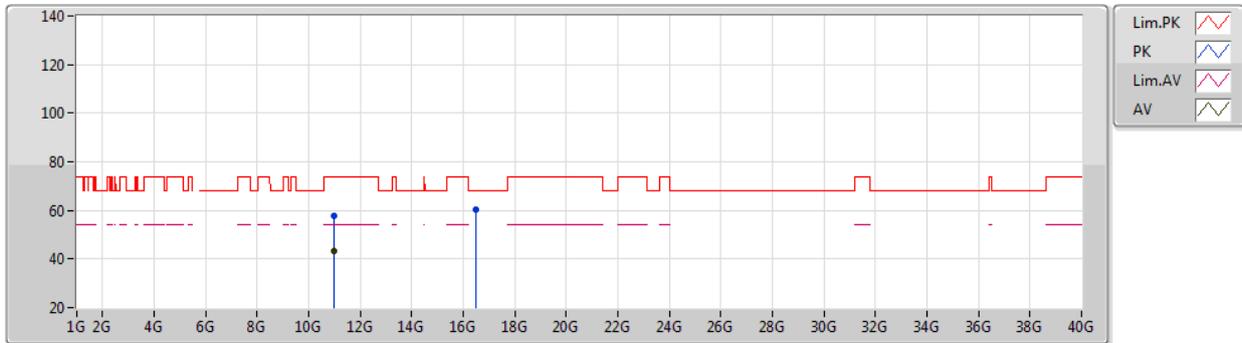
EUT Y\_2TX  
Setting 25  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.9982G	57.76	74.00	-16.24	39.80	3	Vertical	345	1.91	-	40.70	8.71	31.45
AV	11.0021G	43.63	54.00	-10.37	25.67	3	Vertical	345	1.91	-	40.70	8.71	31.45
PK	16.5029G	60.92	68.20	-7.28	39.42	3	Vertical	281	1.76	-	43.70	9.71	31.91

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5500MHz\_TX



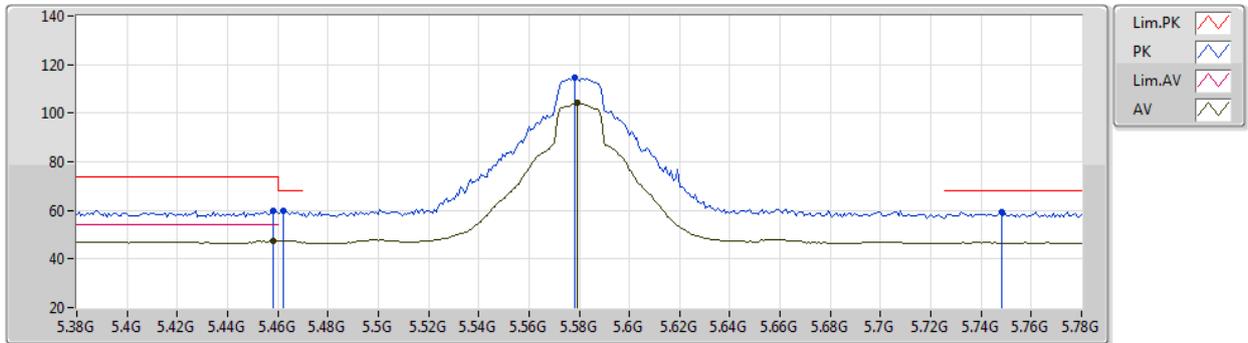
EUT Y\_2TX  
Setting 25  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.0019G	57.52	74.00	-16.48	39.56	3	Horizontal	284	2.90	-	40.70	8.71	31.45
AV	11.0017G	43.26	54.00	-10.74	25.30	3	Horizontal	284	2.90	-	40.70	8.71	31.45
PK	16.5032G	60.44	68.20	-7.76	38.94	3	Horizontal	35	2.27	-	43.70	9.71	31.91

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5580MHz\_TX



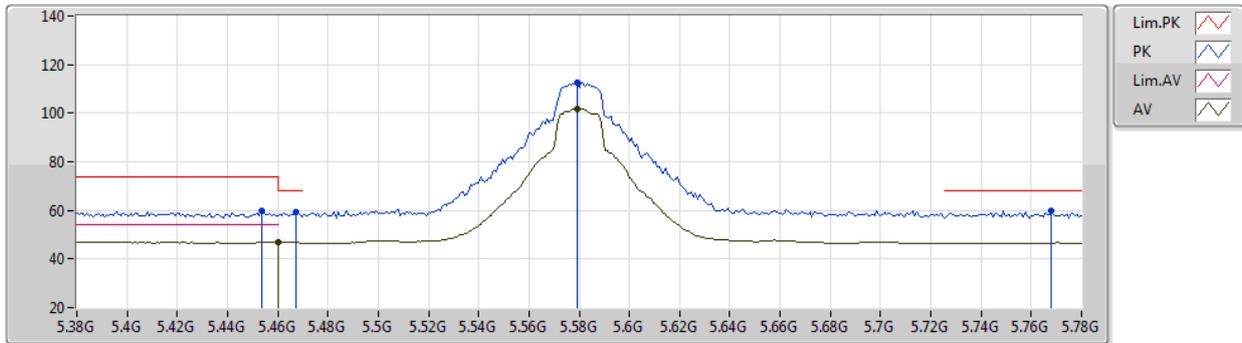
EUT Y\_2TX  
Setting 63  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4584G	59.98	74.00	-14.02	49.73	3	Vertical	347	2.90	-	34.58	6.16	30.49
AV	5.4584G	47.39	54.00	-6.61	37.14	3	Vertical	347	2.90	-	34.58	6.16	30.49
PK	5.4624G	59.84	68.20	-8.36	49.58	3	Vertical	347	2.90	-	34.58	6.17	30.49
PK	5.5784G	114.47	Inf	-Inf	104.30	3	Vertical	347	2.90	-	34.42	6.28	30.53
AV	5.5792G	104.14	Inf	-Inf	93.97	3	Vertical	347	2.90	-	34.42	6.28	30.53
PK	5.748G	59.36	68.20	-8.84	49.41	3	Vertical	347	2.90	-	34.15	6.37	30.57

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5580MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2-10

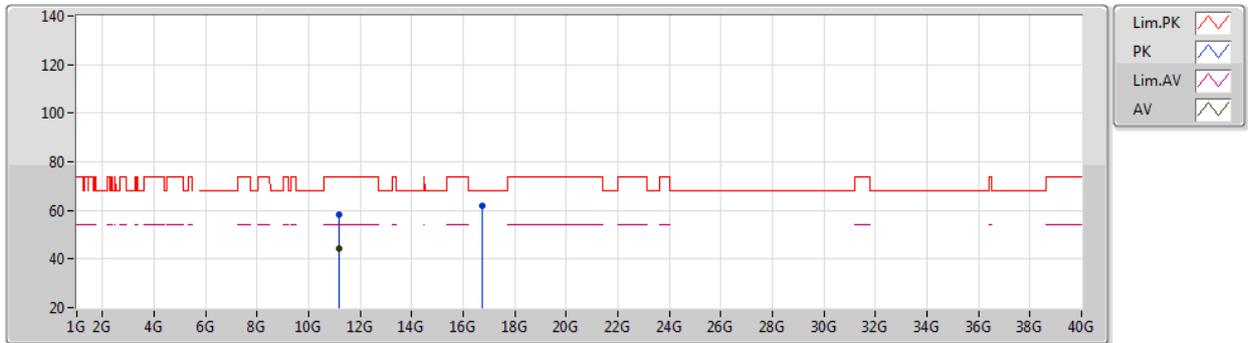
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4536G	59.61	74.00	-14.39	49.35	3	Horizontal	142	2.03	-	34.59	6.16	30.49
AV	5.46G	46.93	54.00	-7.07	36.67	3	Horizontal	142	2.03	-	34.58	6.17	30.49
PK	5.4672G	59.45	68.20	-8.75	49.21	3	Horizontal	142	2.03	-	34.57	6.17	30.50
PK	5.5792G	112.54	Inf	-Inf	102.37	3	Horizontal	142	2.03	-	34.42	6.28	30.53
AV	5.5792G	101.84	Inf	-Inf	91.67	3	Horizontal	142	2.03	-	34.42	6.28	30.53
PK	5.768G	60.06	68.20	-8.14	50.08	3	Horizontal	142	2.03	-	34.17	6.38	30.57



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5580MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

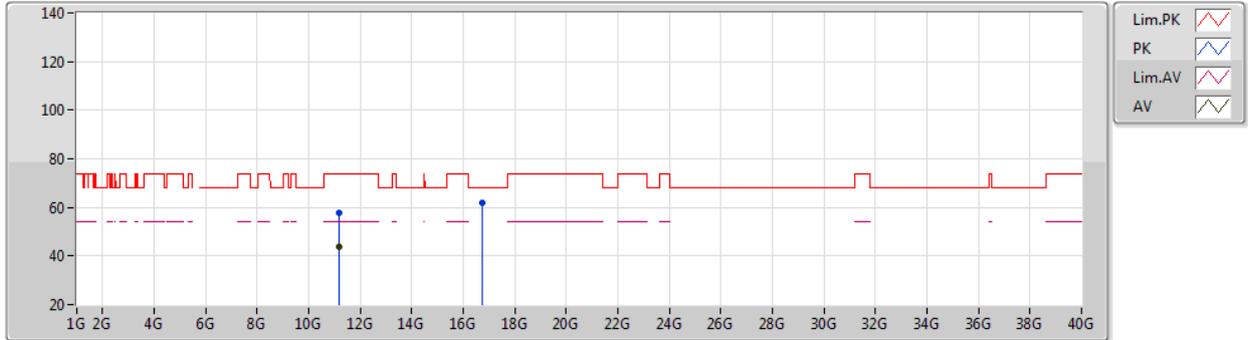
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1618G	58.31	74.00	-15.69	40.03	3	Vertical	143	1.80	-	41.02	8.76	31.50
AV	11.1626G	44.51	54.00	-9.49	26.22	3	Vertical	143	1.80	-	41.03	8.76	31.50
PK	16.734G	61.75	68.20	-6.45	39.70	3	Vertical	250	1.80	-	44.03	9.85	31.83



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5580MHz\_TX



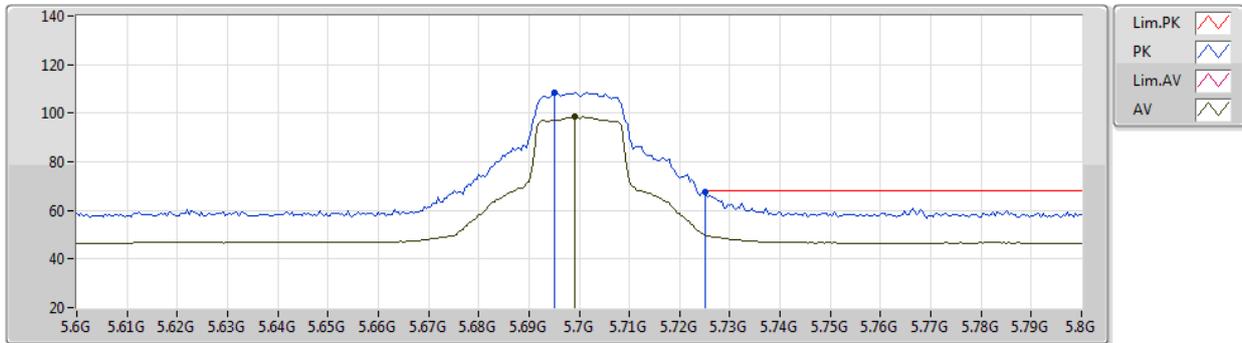
EUT Y\_2TX  
Setting 63  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1666G	57.92	74.00	-16.08	39.63	3	Horizontal	129	1.76	-	41.03	8.76	31.50
AV	11.1621G	43.94	54.00	-10.06	25.66	3	Horizontal	129	1.76	-	41.02	8.76	31.50
PK	16.7441G	62.11	68.20	-6.09	40.05	3	Horizontal	109	3.00	-	44.04	9.85	31.83

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5700MHz\_TX



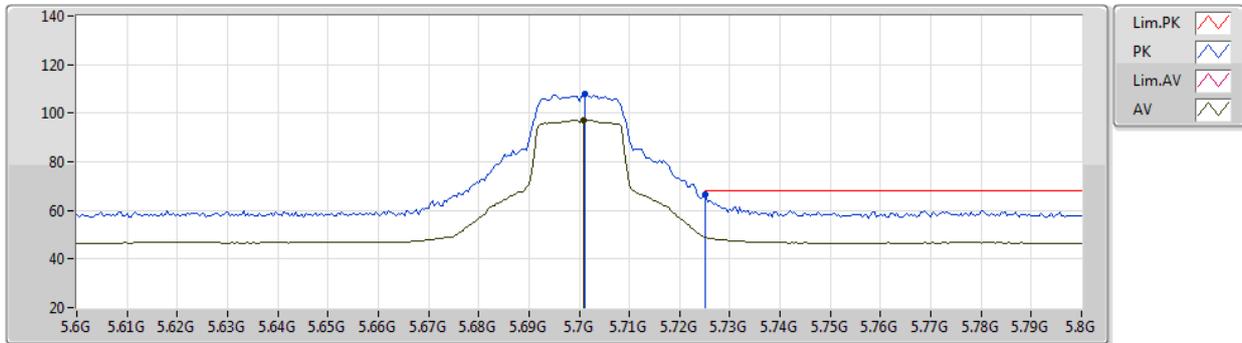
EUT Y\_2TX  
Setting 20  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6952G	108.63	Inf	-Inf	98.73	3	Vertical	349	1.62	-	34.11	6.35	30.56
AV	5.6992G	98.46	Inf	-Inf	88.57	3	Vertical	349	1.62	-	34.10	6.35	30.56
PK	5.7252G	67.42	68.20	-0.78	57.50	3	Vertical	349	1.62	-	34.13	6.36	30.57

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5700MHz\_TX



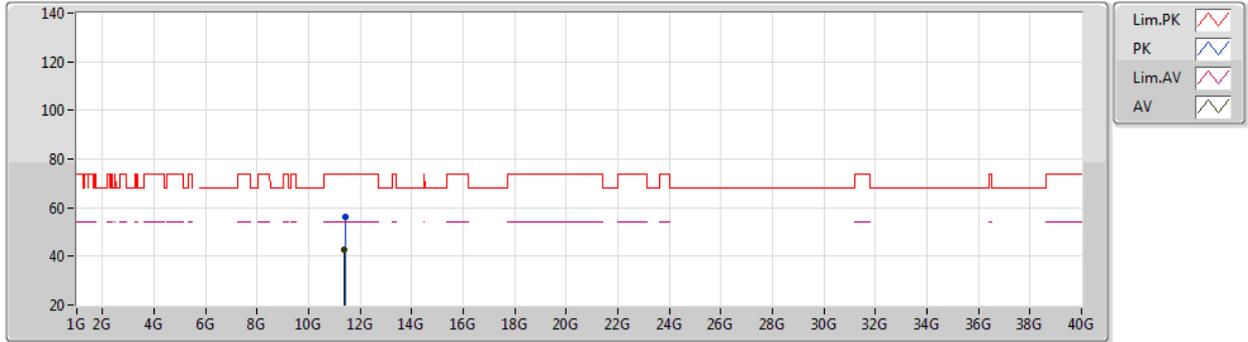
EUT Y\_2TX  
Setting 20  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7012G	107.72	Inf	-Inf	97.83	3	Horizontal	301	1.96	-	34.10	6.35	30.56
AV	5.7008G	97.28	Inf	-Inf	87.39	3	Horizontal	301	1.96	-	34.10	6.35	30.56
PK	5.7252G	66.76	68.20	-1.44	56.84	3	Horizontal	301	1.96	-	34.13	6.36	30.57

802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5700MHz\_TX



EUT Y\_2TX  
Setting 20  
02-B-P-2

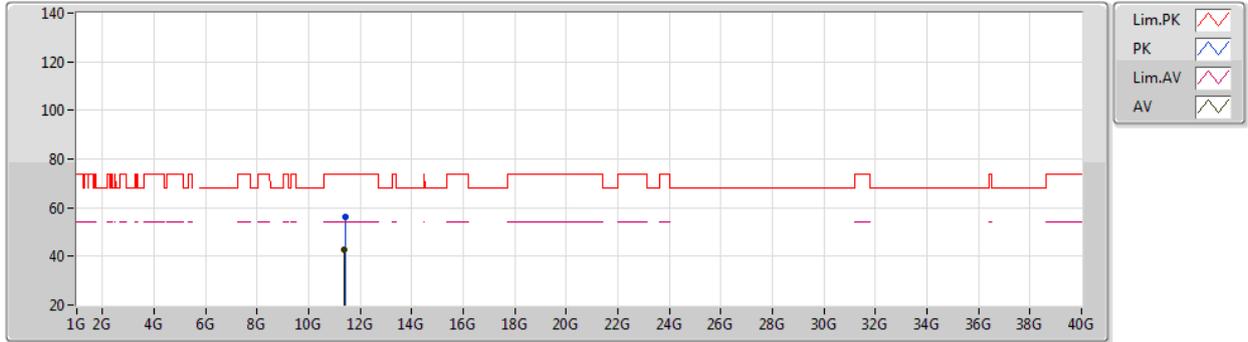
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4072G	56.46	74.00	-17.54	37.74	3	Vertical	304	1.02	-	41.47	8.82	31.57
AV	11.4009G	42.73	54.00	-11.27	23.97	3	Vertical	304	1.02	-	41.50	8.83	31.57



802.11a\_Nss1,(6Mbps)\_2TX

23/04/2020

5700MHz\_TX



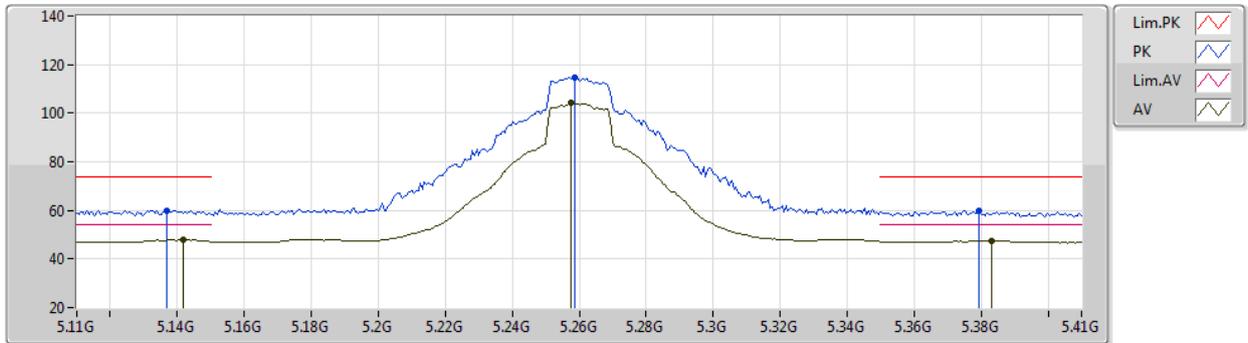
EUT Y\_2TX  
Setting 20  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4027G	56.36	74.00	-17.64	37.59	3	Horizontal	68	1.58	-	41.51	8.83	31.57
AV	11.3997G	42.69	54.00	-11.31	23.93	3	Horizontal	68	1.58	-	41.50	8.83	31.57

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5260MHz\_TX



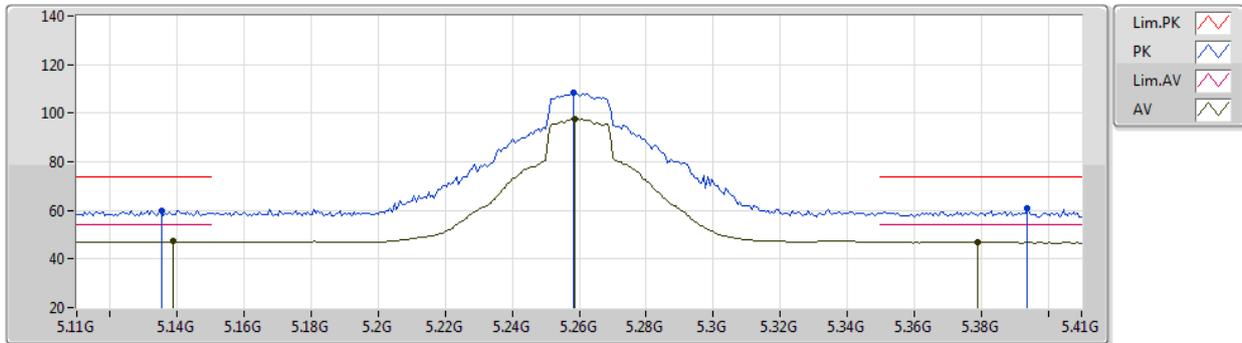
EUT Y\_2TX  
Setting 63  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.137G	59.96	74.00	-14.04	49.67	3	Vertical	343	2.42	-	34.70	5.97	30.38
AV	5.1418G	47.83	54.00	-6.17	37.54	3	Vertical	343	2.42	-	34.70	5.97	30.38
PK	5.2588G	114.62	Inf	-Inf	104.13	3	Vertical	343	2.42	-	34.88	6.03	30.42
AV	5.2576G	104.08	Inf	-Inf	93.60	3	Vertical	343	2.42	-	34.87	6.03	30.42
PK	5.3794G	59.95	74.00	-14.05	49.56	3	Vertical	343	2.42	-	34.76	6.09	30.46
AV	5.383G	47.38	54.00	-6.62	37.00	3	Vertical	343	2.42	-	34.75	6.09	30.46

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5260MHz\_TX



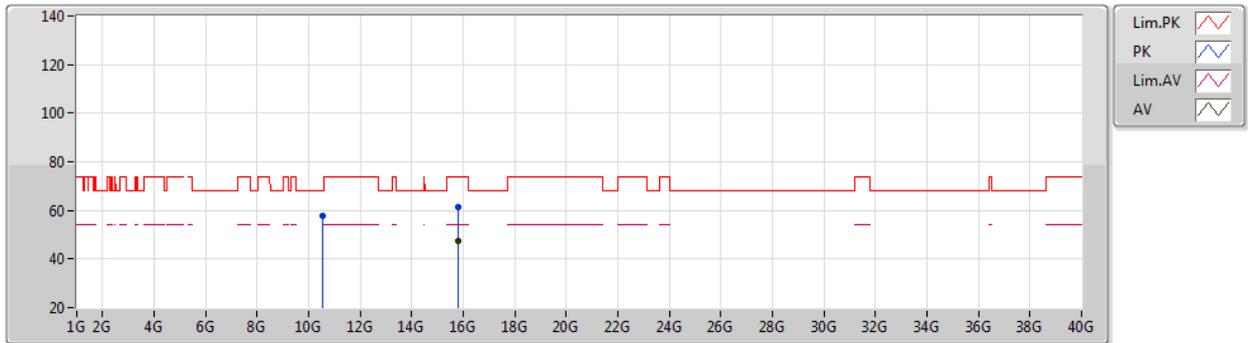
EUT Y\_2TX  
Setting 63  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1352G	59.91	74.00	-14.09	49.62	3	Horizontal	148	1.51	-	34.70	5.97	30.38
AV	5.1388G	47.16	54.00	-6.84	36.87	3	Horizontal	148	1.51	-	34.70	5.97	30.38
PK	5.2582G	108.32	Inf	-Inf	97.84	3	Horizontal	148	1.51	-	34.87	6.03	30.42
AV	5.2588G	97.63	Inf	-Inf	87.14	3	Horizontal	148	1.51	-	34.88	6.03	30.42
PK	5.3938G	60.75	74.00	-13.25	50.40	3	Horizontal	148	1.51	-	34.72	6.10	30.47
AV	5.3788G	46.89	54.00	-7.11	36.50	3	Horizontal	148	1.51	-	34.76	6.09	30.46

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5260MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

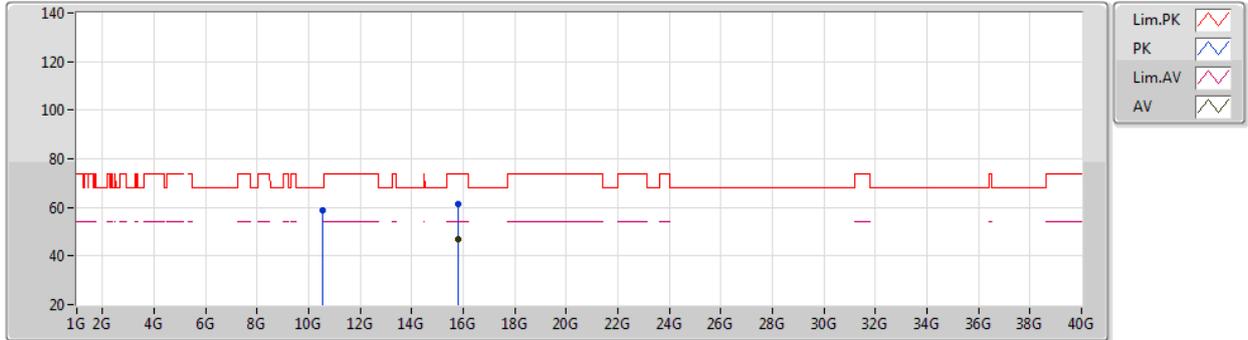
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.518G	57.82	68.20	-10.38	40.71	3	Vertical	106	2.32	-	40.03	8.56	31.48
PK	15.7888G	61.35	74.00	-12.65	40.90	3	Vertical	154	1.82	-	43.15	9.33	32.03
AV	15.7831G	47.21	54.00	-6.79	26.76	3	Vertical	154	1.82	-	43.15	9.33	32.03



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5260MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

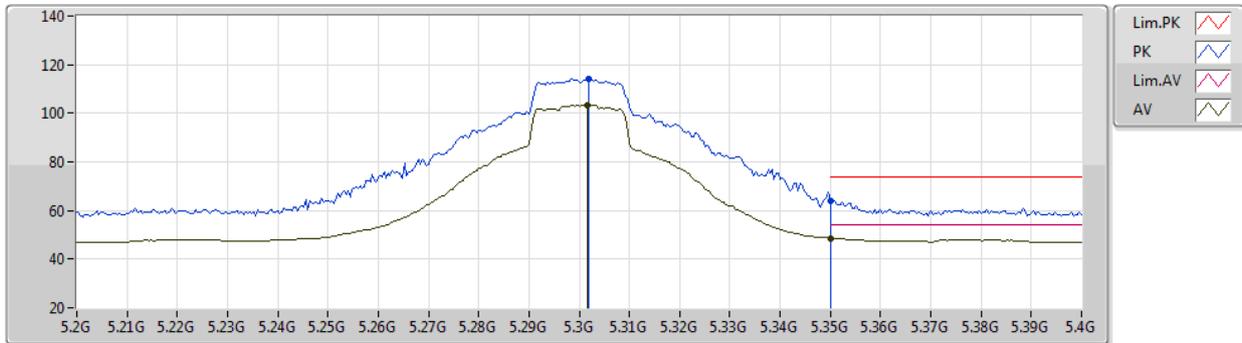
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.519G	58.54	68.20	-9.66	41.43	3	Horizontal	163	1.48	-	40.03	8.56	31.48
PK	15.7796G	61.50	74.00	-12.50	41.05	3	Horizontal	307	1.55	-	43.15	9.33	32.03
AV	15.7816G	47.13	54.00	-6.87	26.68	3	Horizontal	307	1.55	-	43.15	9.33	32.03



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5300MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2-10

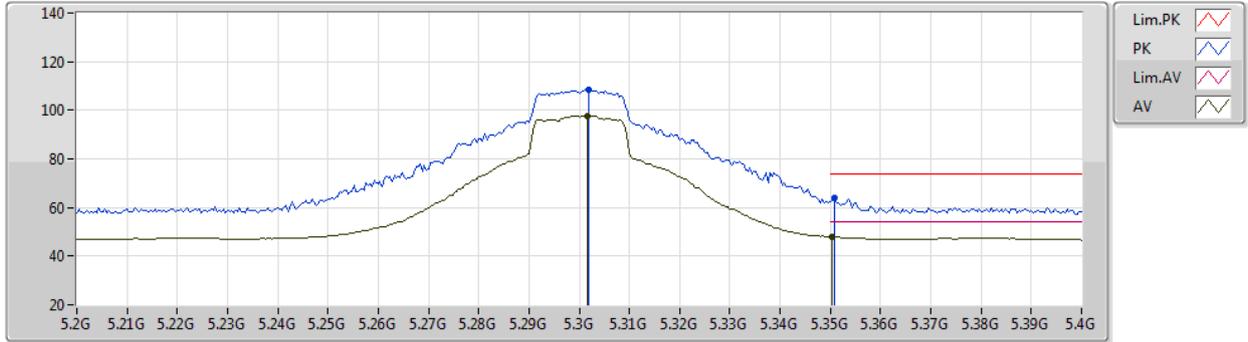
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.302G	114.05	Inf	-Inf	103.45	3	Vertical	70	2.41	-	34.99	6.05	30.44
AV	5.3016G	103.41	Inf	-Inf	92.80	3	Vertical	70	2.41	-	35.00	6.05	30.44
PK	5.35G	64.20	74.00	-9.80	53.73	3	Vertical	70	2.41	-	34.85	6.07	30.45
AV	5.35G	48.60	54.00	-5.40	38.13	3	Vertical	70	2.41	-	34.85	6.07	30.45



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5300MHz\_TX



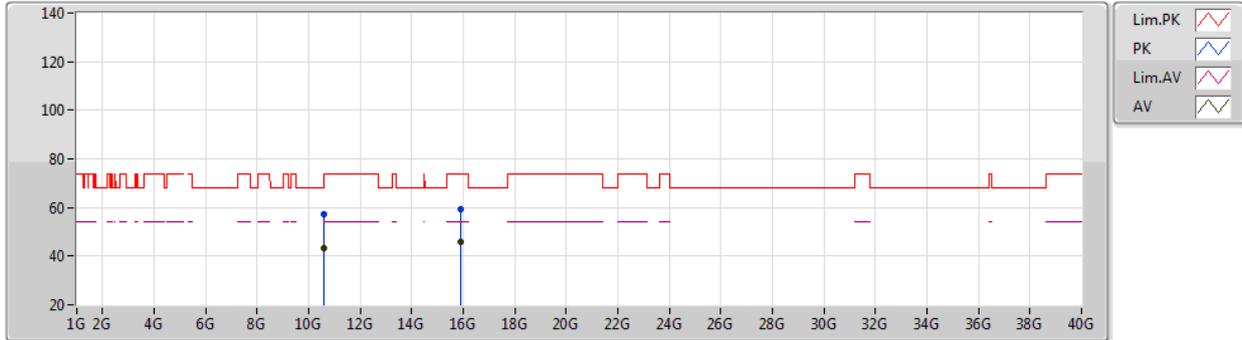
EUT Y\_2TX  
Setting 63  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.302G	108.52	Inf	-Inf	97.92	3	Horizontal	147	1.72	-	34.99	6.05	30.44
AV	5.3016G	97.80	Inf	-Inf	87.19	3	Horizontal	147	1.72	-	35.00	6.05	30.44
PK	5.3508G	63.82	74.00	-10.18	53.35	3	Horizontal	147	1.72	-	34.85	6.08	30.46
AV	5.3504G	47.92	54.00	-6.08	37.45	3	Horizontal	147	1.72	-	34.85	6.08	30.46

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5300MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

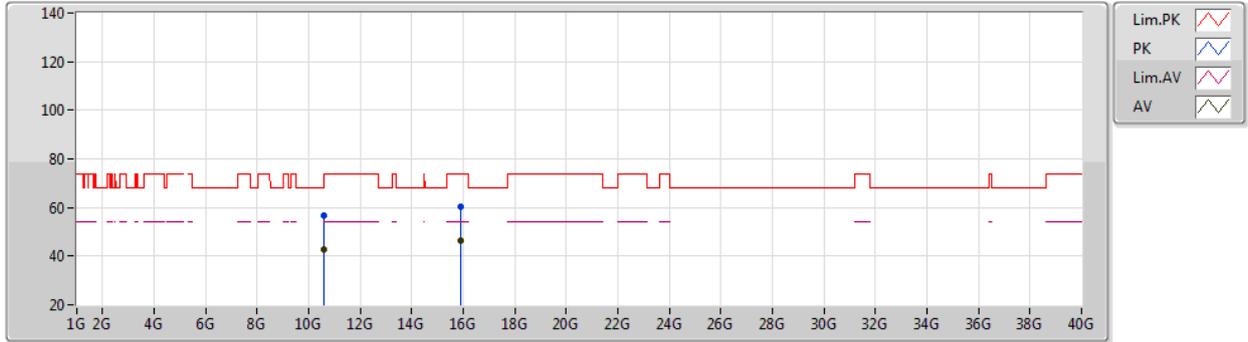
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6023G	57.33	74.00	-16.67	40.08	3	Vertical	48	1.00	-	40.14	8.59	31.48
AV	10.6002G	43.45	54.00	-10.55	26.20	3	Vertical	48	1.00	-	40.14	8.59	31.48
PK	15.8925G	59.40	74.00	-14.60	39.02	3	Vertical	243	1.80	-	43.08	9.36	32.06
AV	15.8999G	45.63	54.00	-8.37	25.25	3	Vertical	243	1.80	-	43.07	9.37	32.06



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5300MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

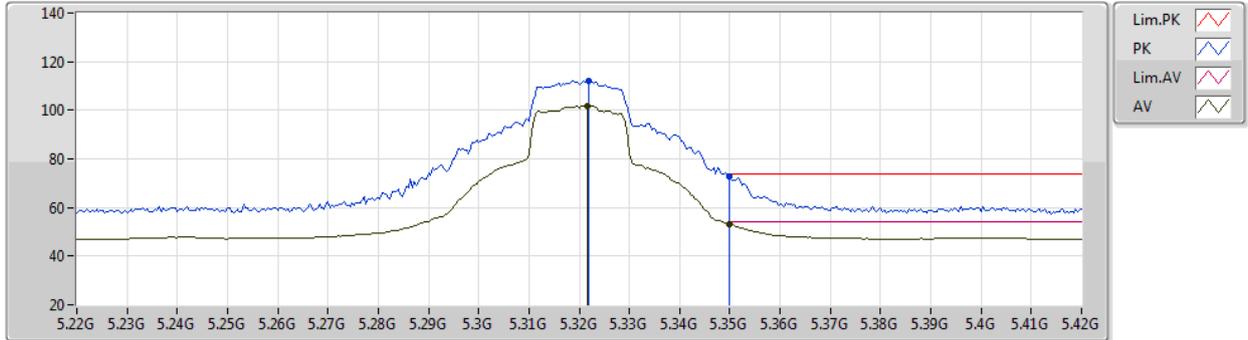
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6034G	56.95	74.00	-17.05	39.70	3	Horizontal	252	1.70	-	40.14	8.59	31.48
AV	10.6024G	42.82	54.00	-11.18	25.57	3	Horizontal	252	1.70	-	40.14	8.59	31.48
PK	15.9002G	60.18	74.00	-13.82	39.80	3	Horizontal	62	1.87	-	43.07	9.37	32.06
AV	15.8998G	46.13	54.00	-7.87	25.75	3	Horizontal	62	1.87	-	43.07	9.37	32.06



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5320MHz\_TX



EUT Y\_2TX  
Setting 26  
02-B-P-2-10

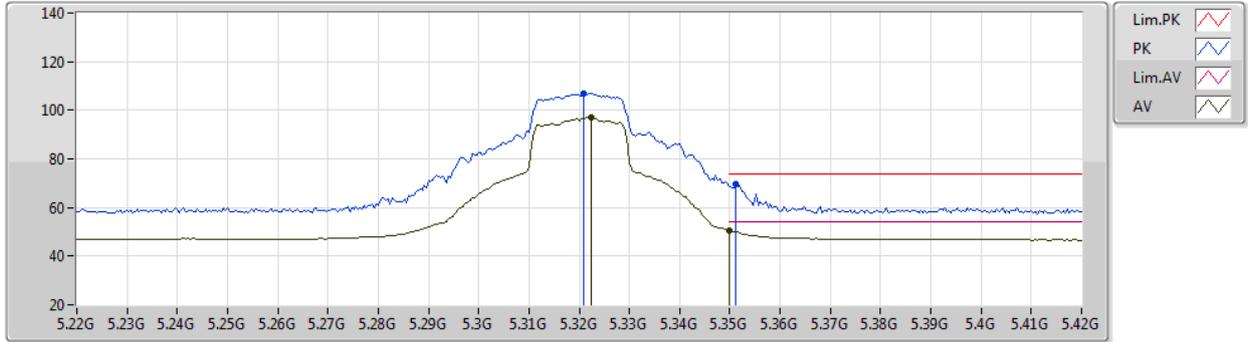
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.322G	112.02	Inf	-Inf	101.48	3	Vertical	72	2.19	-	34.93	6.06	30.45
AV	5.3216G	101.79	Inf	-Inf	91.24	3	Vertical	72	2.19	-	34.94	6.06	30.45
PK	5.35G	72.60	74.00	-1.40	62.13	3	Vertical	72	2.19	-	34.85	6.07	30.45
AV	5.35G	53.07	54.00	-0.93	42.60	3	Vertical	72	2.19	-	34.85	6.07	30.45



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5320MHz\_TX



EUT Y\_2TX  
Setting 26  
02-B-P-2-10

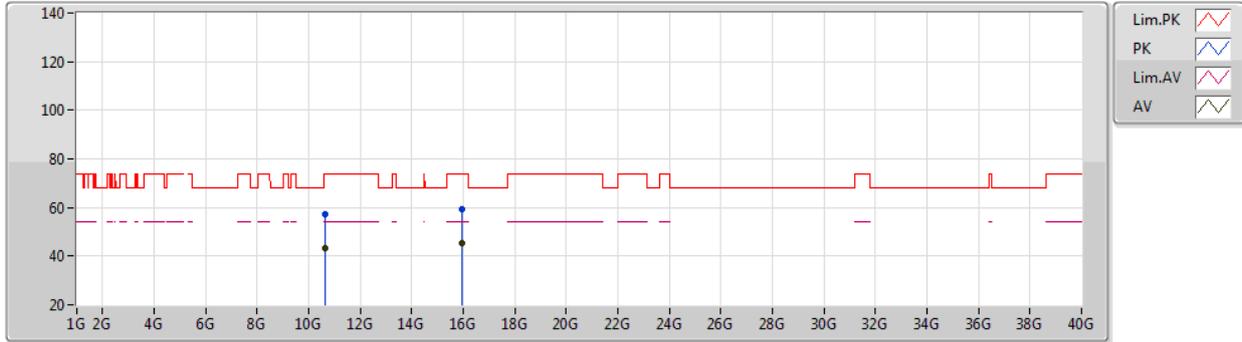
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3208G	106.96	Inf	-Inf	96.41	3	Horizontal	148	1.76	-	34.94	6.06	30.45
AV	5.3224G	96.87	Inf	-Inf	86.33	3	Horizontal	148	1.76	-	34.93	6.06	30.45
PK	5.3512G	69.67	74.00	-4.33	59.20	3	Horizontal	148	1.76	-	34.85	6.08	30.46
AV	5.35G	50.51	54.00	-3.49	40.04	3	Horizontal	148	1.76	-	34.85	6.07	30.45



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5320MHz\_TX



EUT Y\_2TX  
Setting 26  
02-B-P-2

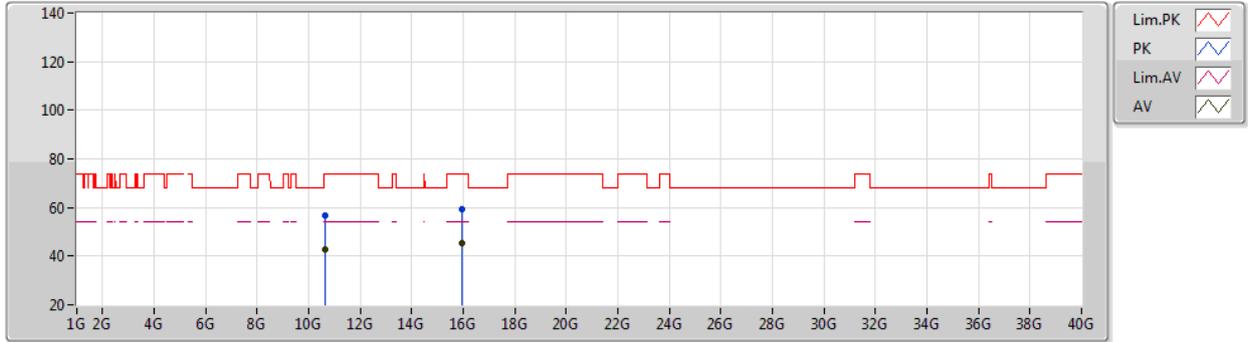
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6409G	57.47	74.00	-16.53	40.15	3	Vertical	197	1.88	-	40.20	8.60	31.48
AV	10.6444G	43.14	54.00	-10.86	25.81	3	Vertical	197	1.88	-	40.20	8.60	31.47
PK	15.9597G	59.10	74.00	-14.90	38.75	3	Vertical	243	1.86	-	43.03	9.39	32.07
AV	15.9602G	45.10	54.00	-8.90	24.75	3	Vertical	243	1.86	-	43.03	9.39	32.07



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5320MHz\_TX



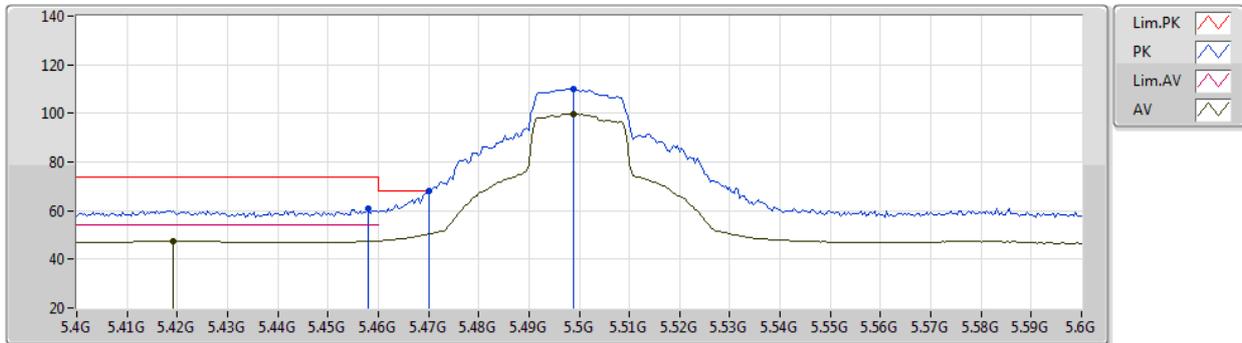
EUT Y\_2TX  
Setting 26  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6388G	56.67	74.00	-17.33	39.36	3	Horizontal	205	2.32	-	40.19	8.60	31.48
AV	10.642G	42.83	54.00	-11.17	25.51	3	Horizontal	205	2.32	-	40.20	8.60	31.48
PK	15.96G	59.55	74.00	-14.45	39.20	3	Horizontal	62	1.80	-	43.03	9.39	32.07
AV	15.9602G	45.28	54.00	-8.72	24.93	3	Horizontal	62	1.80	-	43.03	9.39	32.07

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5500MHz\_TX



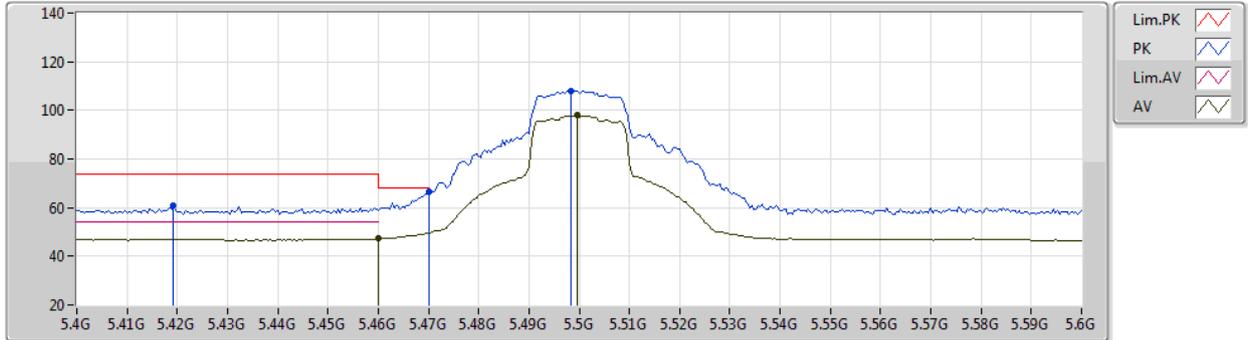
EUT Y\_2TX  
Setting 25  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.458G	60.66	74.00	-13.34	50.41	3	Vertical	88	1.06	-	34.58	6.16	30.49
AV	5.4192G	47.64	54.00	-6.36	37.34	3	Vertical	88	1.06	-	34.66	6.12	30.48
PK	5.47G	68.13	68.20	-0.07	57.89	3	Vertical	88	1.06	-	34.56	6.18	30.50
PK	5.4988G	109.94	Inf	-Inf	99.74	3	Vertical	88	1.06	-	34.50	6.21	30.51
AV	5.4988G	99.89	Inf	-Inf	89.69	3	Vertical	88	1.06	-	34.50	6.21	30.51

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5500MHz\_TX



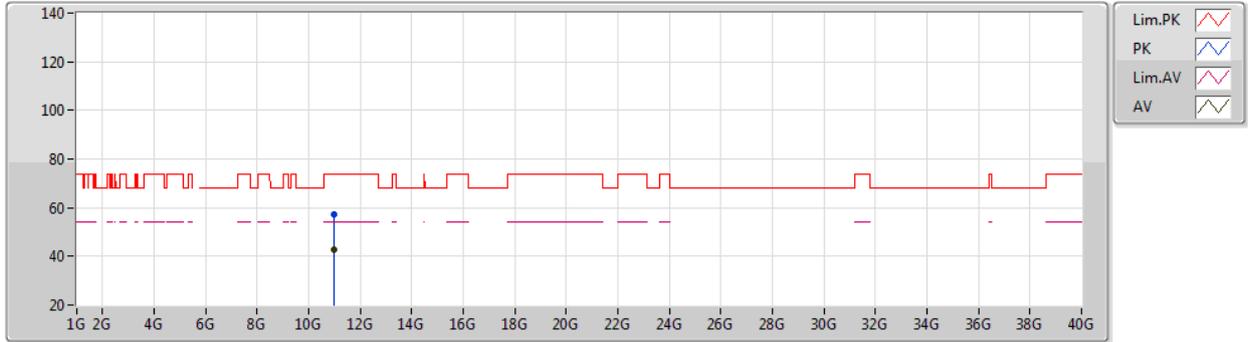
EUT Y\_2TX  
Setting 25  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4192G	60.69	74.00	-13.31	50.39	3	Horizontal	151	1.80	-	34.66	6.12	30.48
PK	5.47G	66.79	68.20	-1.41	56.55	3	Horizontal	151	1.80	-	34.56	6.18	30.50
AV	5.46G	47.19	54.00	-6.81	36.93	3	Horizontal	151	1.80	-	34.58	6.17	30.49
PK	5.4984G	108.02	Inf	-Inf	97.82	3	Horizontal	151	1.80	-	34.50	6.21	30.51
AV	5.4996G	97.99	Inf	-Inf	87.79	3	Horizontal	151	1.80	-	34.50	6.21	30.51

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5500MHz\_TX



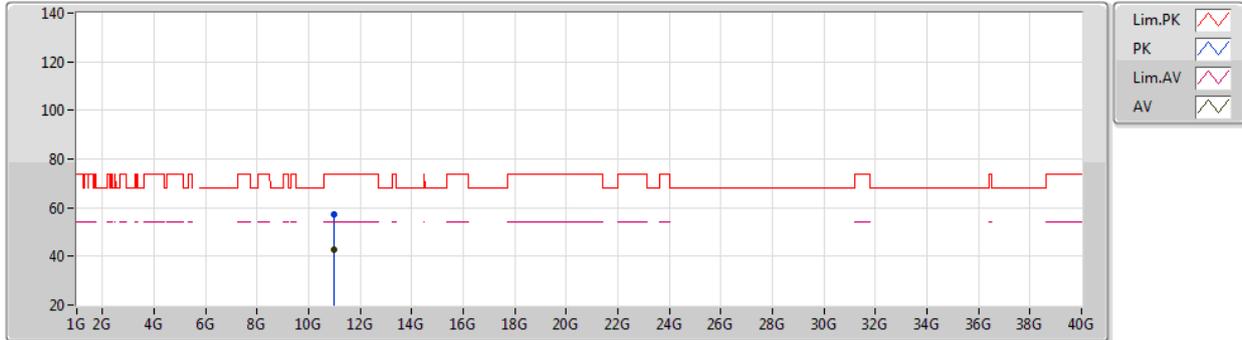
EUT Y\_2TX  
Setting 25  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.0022G	57.33	74.00	-16.67	39.37	3	Vertical	220	1.00	-	40.70	8.71	31.45
AV	10.998G	42.95	54.00	-11.05	24.99	3	Vertical	220	1.00	-	40.70	8.71	31.45

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5500MHz\_TX



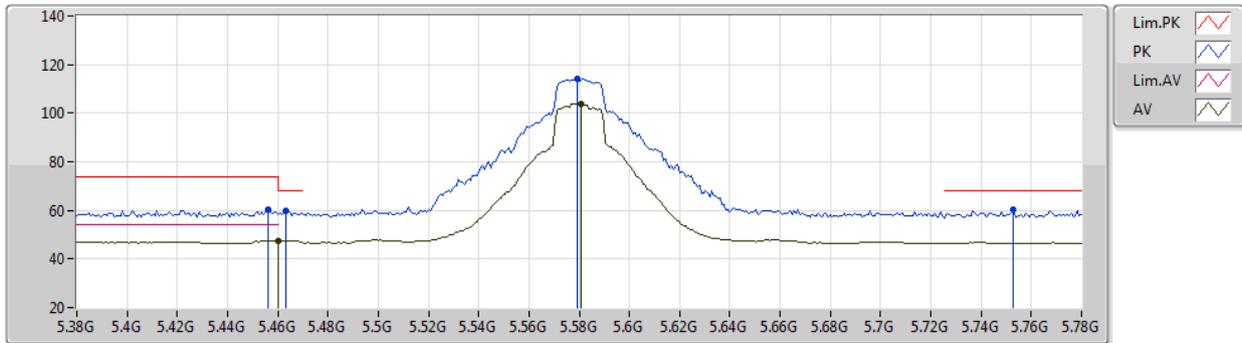
EUT Y\_2TX  
Setting 25  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.9974G	57.07	74.00	-16.93	39.11	3	Horizontal	301	2.93	-	40.70	8.71	31.45
AV	11.0001G	42.80	54.00	-11.20	24.84	3	Horizontal	301	2.93	-	40.70	8.71	31.45

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5580MHz\_TX



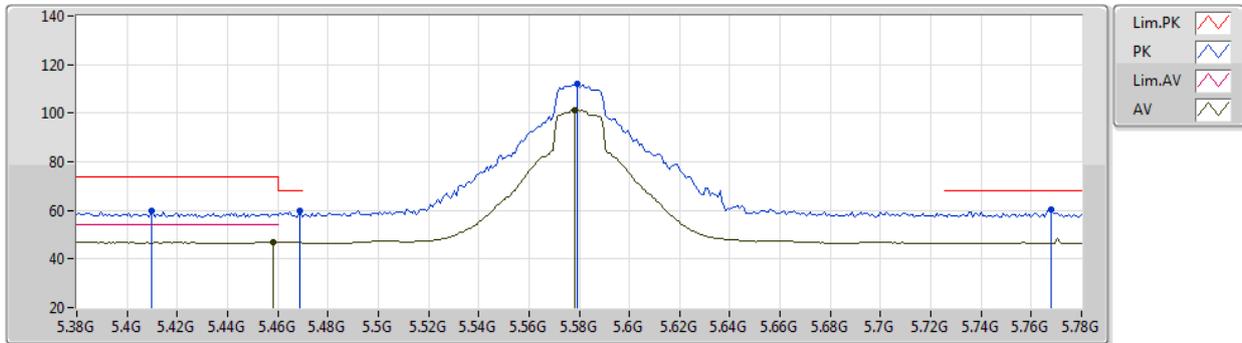
EUT Y\_2TX  
Setting 63  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.456G	60.34	74.00	-13.66	50.08	3	Vertical	346	2.89	-	34.59	6.16	30.49
PK	5.4632G	59.97	68.20	-8.23	49.73	3	Vertical	346	2.89	-	34.57	6.17	30.50
AV	5.46G	47.41	54.00	-6.59	37.15	3	Vertical	346	2.89	-	34.58	6.17	30.49
PK	5.5792G	114.24	Inf	-Inf	104.07	3	Vertical	346	2.89	-	34.42	6.28	30.53
AV	5.5808G	103.80	Inf	-Inf	93.63	3	Vertical	346	2.89	-	34.42	6.28	30.53
PK	5.7528G	60.09	68.20	-8.11	50.13	3	Vertical	346	2.89	-	34.15	6.38	30.57

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5580MHz\_TX



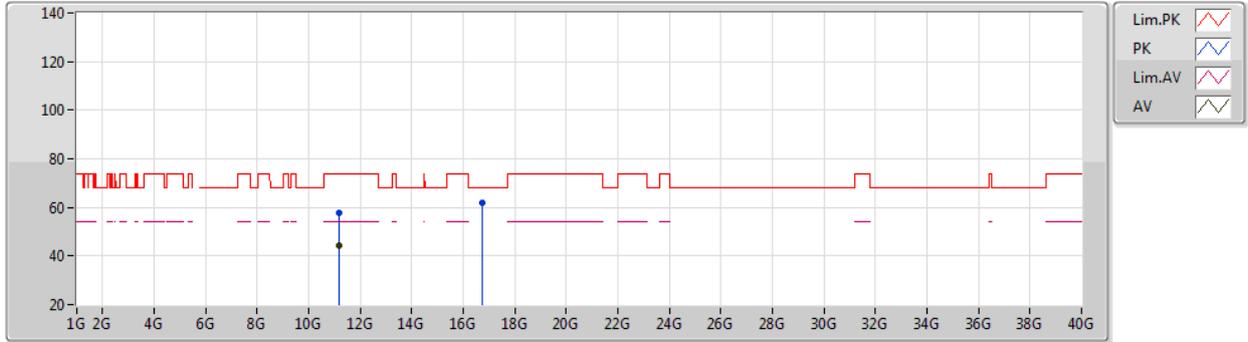
EUT Y\_2TX  
Setting 63  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4096G	59.67	74.00	-14.33	49.35	3	Horizontal	143	2.02	-	34.68	6.11	30.47
PK	5.4688G	59.83	68.20	-8.37	49.59	3	Horizontal	143	2.02	-	34.56	6.18	30.50
AV	5.4584G	46.87	54.00	-7.13	36.62	3	Horizontal	143	2.02	-	34.58	6.16	30.49
PK	5.5792G	111.91	Inf	-Inf	101.74	3	Horizontal	143	2.02	-	34.42	6.28	30.53
AV	5.5784G	101.24	Inf	-Inf	91.07	3	Horizontal	143	2.02	-	34.42	6.28	30.53
PK	5.768G	60.59	68.20	-7.61	50.61	3	Horizontal	143	2.02	-	34.17	6.38	30.57

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5580MHz\_TX



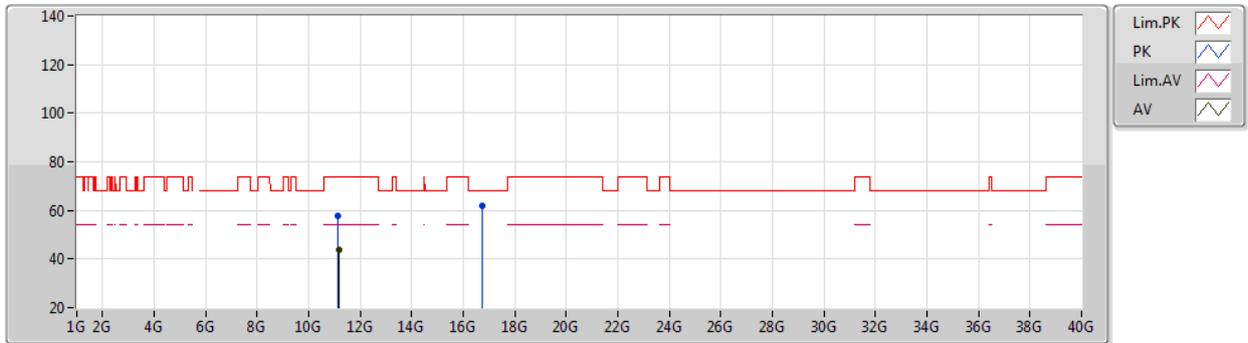
EUT Y\_2TX  
Setting 63  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1582G	57.86	74.00	-16.14	39.58	3	Vertical	336	1.78	-	41.02	8.76	31.50
AV	11.1639G	44.08	54.00	-9.92	25.79	3	Vertical	336	1.78	-	41.03	8.76	31.50
PK	16.744G	61.94	68.20	-6.26	39.88	3	Vertical	279	1.77	-	44.04	9.85	31.83

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5580MHz\_TX



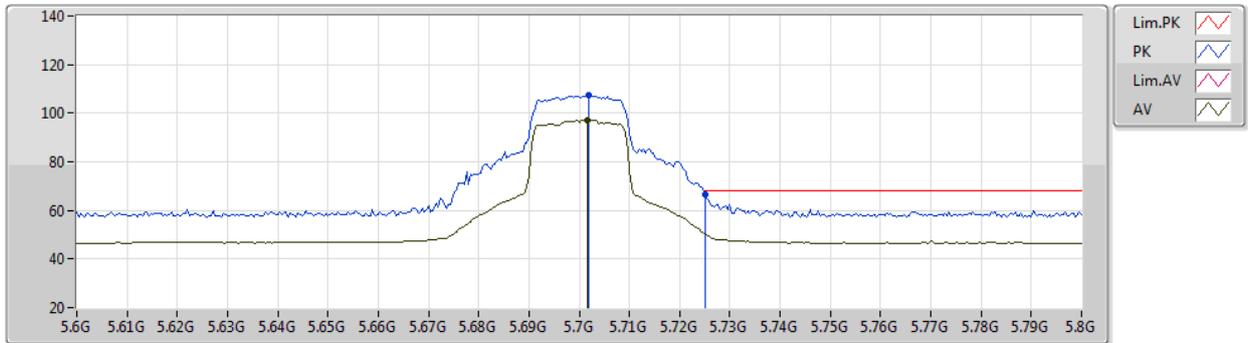
EUT Y\_2TX  
Setting 63  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1508G	58.01	74.00	-15.99	39.76	3	Horizontal	278	2.88	-	41.00	8.75	31.50
AV	11.1626G	43.98	54.00	-10.02	25.69	3	Horizontal	278	2.88	-	41.03	8.76	31.50
PK	16.7475G	61.72	68.20	-6.48	39.64	3	Horizontal	285	1.79	-	44.05	9.86	31.83

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5700MHz\_TX



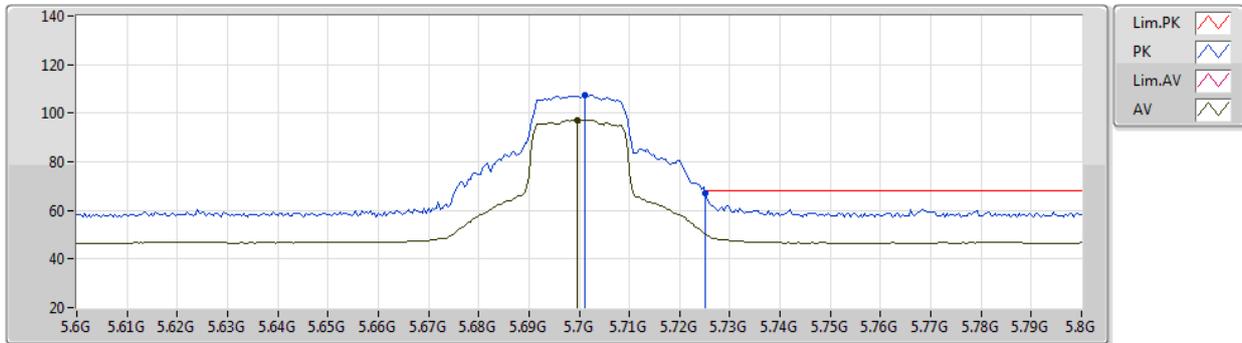
EUT Y\_2TX  
Setting 20  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.702G	107.45	Inf	-Inf	97.56	3	Vertical	349	1.70	-	34.10	6.35	30.56
AV	5.7016G	97.10	Inf	-Inf	87.21	3	Vertical	349	1.70	-	34.10	6.35	30.56
PK	5.7252G	66.67	68.20	-1.53	56.75	3	Vertical	349	1.70	-	34.13	6.36	30.57

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5700MHz\_TX



EUT Y\_2TX  
Setting 20  
02-B-P-2-10

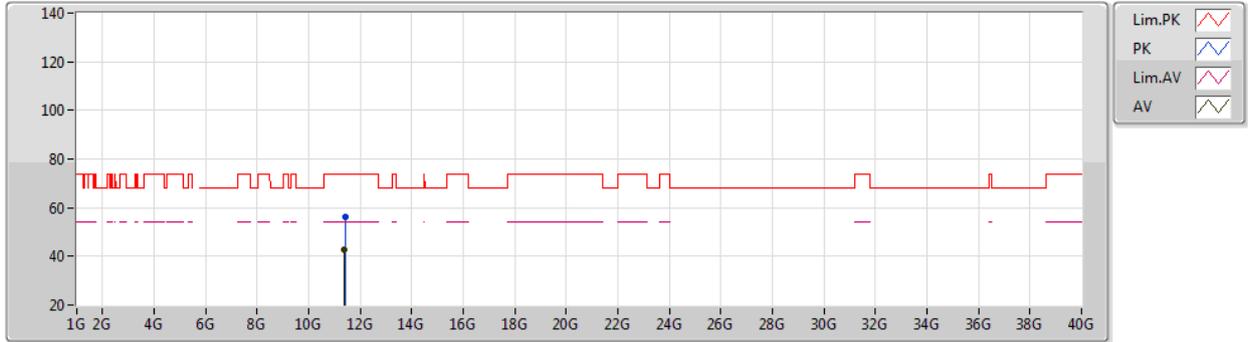
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7012G	107.22	Inf	-Inf	97.33	3	Horizontal	305	2.05	-	34.10	6.35	30.56
AV	5.6996G	97.22	Inf	-Inf	87.33	3	Horizontal	305	2.05	-	34.10	6.35	30.56
PK	5.7252G	67.12	68.20	-1.08	57.20	3	Horizontal	305	2.05	-	34.13	6.36	30.57



802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5700MHz\_TX



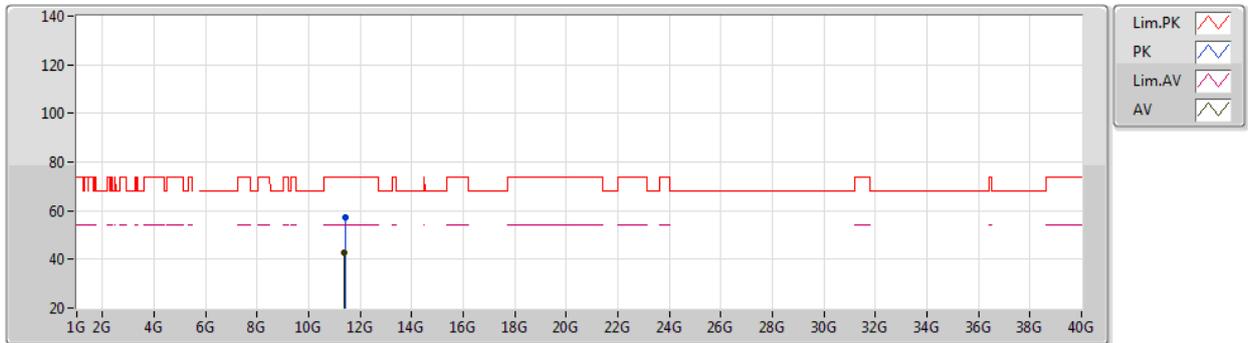
EUT Y\_2TX  
Setting 20  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4022G	56.28	74.00	-17.72	37.52	3	Vertical	153	2.41	-	41.50	8.83	31.57
AV	11.3994G	42.73	54.00	-11.27	23.97	3	Vertical	153	2.41	-	41.50	8.83	31.57

802.11ac VHT20\_Nss1,(MCS0)\_2TX

23/04/2020

5700MHz\_TX



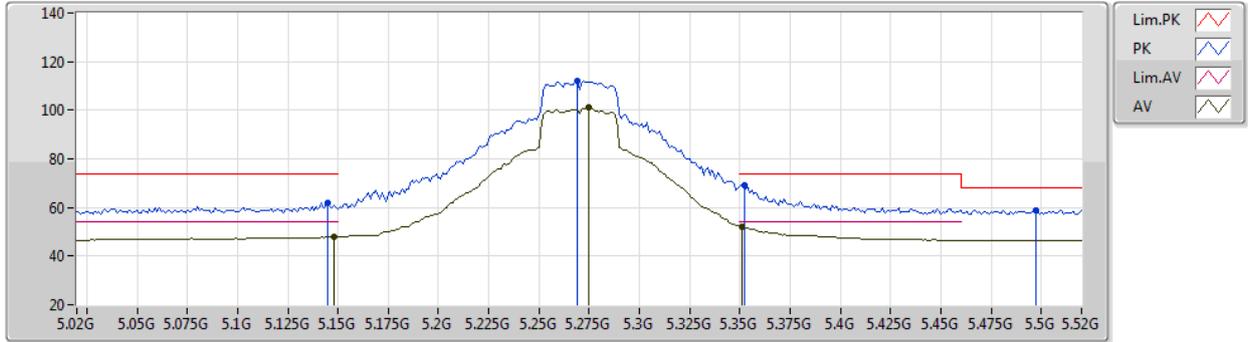
EUT Y\_2TX  
Setting 20  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4029G	57.34	74.00	-16.66	38.57	3	Horizontal	169	1.44	-	41.51	8.83	31.57
AV	11.3993G	42.73	54.00	-11.27	23.97	3	Horizontal	169	1.44	-	41.50	8.83	31.57

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5270MHz\_TX



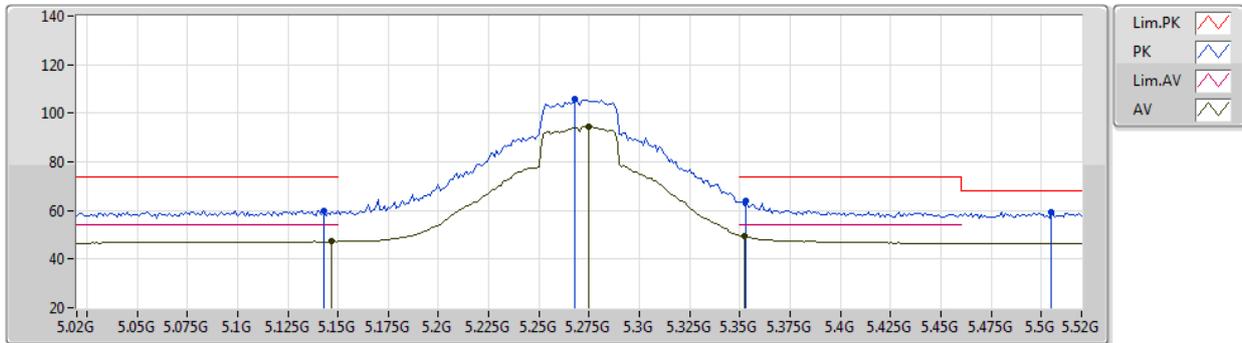
EUT Y\_2TX  
Setting 63  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.145G	61.94	74.00	-12.06	51.65	3	Vertical	345	2.42	-	34.70	5.97	30.38
AV	5.148G	47.95	54.00	-6.05	37.66	3	Vertical	345	2.42	-	34.70	5.97	30.38
PK	5.269G	112.05	Inf	-Inf	101.54	3	Vertical	345	2.42	-	34.91	6.03	30.43
AV	5.275G	101.06	Inf	-Inf	90.53	3	Vertical	345	2.42	-	34.92	6.04	30.43
PK	5.352G	69.10	74.00	-4.90	58.64	3	Vertical	345	2.42	-	34.84	6.08	30.46
AV	5.351G	52.12	54.00	-1.88	41.65	3	Vertical	345	2.42	-	34.85	6.08	30.46
PK	5.497G	58.86	68.20	-9.34	48.65	3	Vertical	345	2.42	-	34.51	6.21	30.51

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5270MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2-10

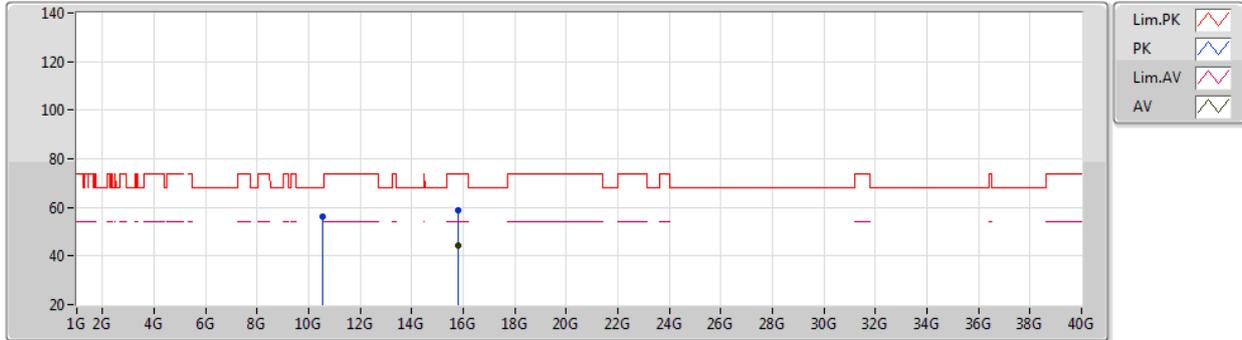
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.143G	60.06	74.00	-13.94	49.77	3	Horizontal	145	1.88	-	34.70	5.97	30.38
AV	5.147G	47.23	54.00	-6.77	36.94	3	Horizontal	145	1.88	-	34.70	5.97	30.38
PK	5.268G	105.78	Inf	-Inf	95.28	3	Horizontal	145	1.88	-	34.90	6.03	30.43
AV	5.275G	94.71	Inf	-Inf	84.18	3	Horizontal	145	1.88	-	34.92	6.04	30.43
PK	5.353G	63.77	74.00	-10.23	53.31	3	Horizontal	145	1.88	-	34.84	6.08	30.46
AV	5.352G	49.48	54.00	-4.52	39.02	3	Horizontal	145	1.88	-	34.84	6.08	30.46
PK	5.505G	59.20	68.20	-9.00	49.01	3	Horizontal	145	1.88	-	34.49	6.21	30.51



802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5270MHz\_TX



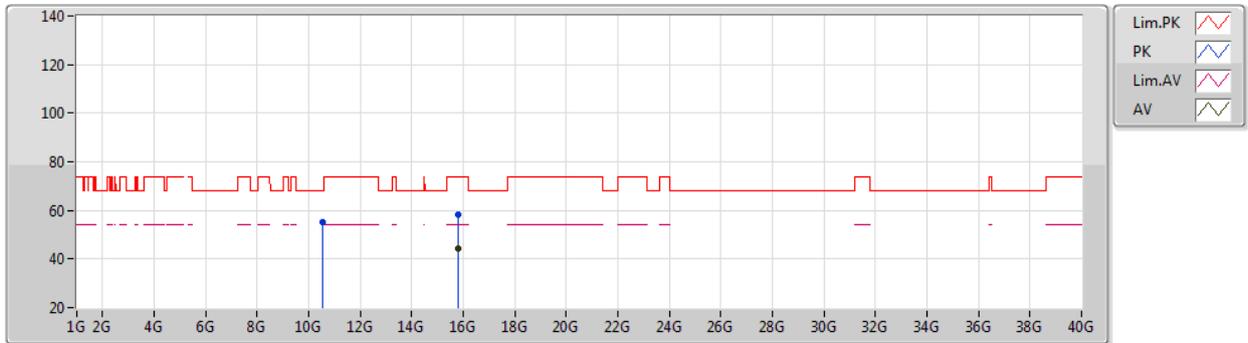
EUT Y\_2TX  
Setting 63  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.5459G	56.09	68.20	-12.11	38.94	3	Vertical	75	1.80	-	40.06	8.57	31.48
PK	15.8051G	58.83	74.00	-15.17	38.39	3	Vertical	62	1.80	-	43.14	9.34	32.04
AV	15.7964G	44.42	54.00	-9.58	23.99	3	Vertical	62	1.80	-	43.14	9.33	32.04

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5270MHz\_TX



EUT Y\_2TX  
Setting 63  
02-B-P-2

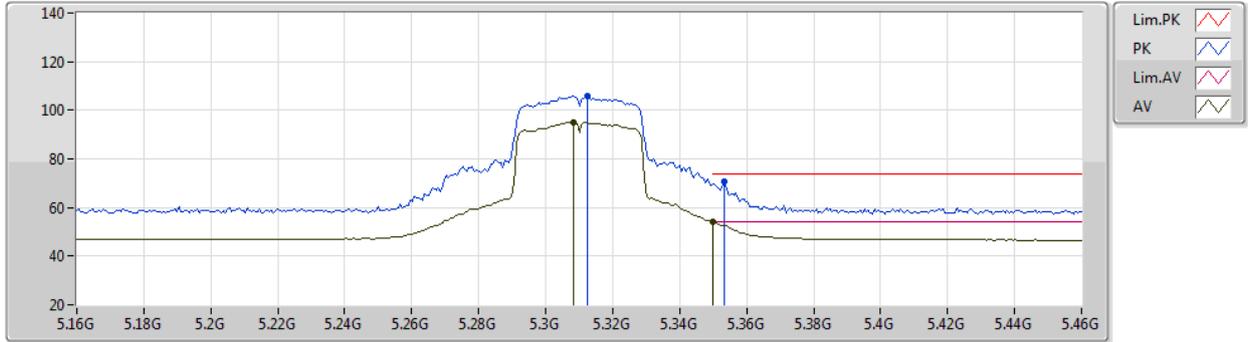
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.54302G	55.01	68.20	-13.19	37.86	3	Horizontal	207	1.96	-	40.06	8.57	31.48
PK	15.8107G	58.48	74.00	-15.52	38.05	3	Horizontal	315	2.03	-	43.13	9.34	32.04
AV	15.80946G	44.18	54.00	-9.82	23.75	3	Horizontal	315	2.03	-	43.13	9.34	32.04



802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5310MHz\_TX



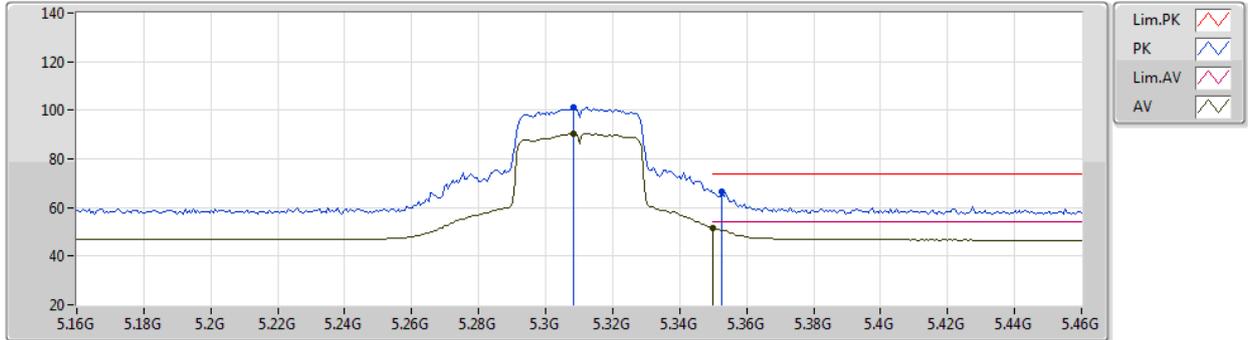
EUT Y\_2TX  
Setting 18  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3124G	106.03	Inf	-Inf	95.45	3	Vertical	9	3.00	-	34.96	6.06	30.44
AV	5.3082G	95.21	Inf	-Inf	84.62	3	Vertical	9	3.00	-	34.98	6.05	30.44
PK	5.3532G	70.45	74.00	-3.55	59.99	3	Vertical	9	3.00	-	34.84	6.08	30.46
AV	5.35G	53.89	54.00	-0.11	43.42	3	Vertical	9	3.00	-	34.85	6.08	30.46

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5310MHz\_TX



EUT Y\_2TX  
Setting 18  
02-B-P-2-10

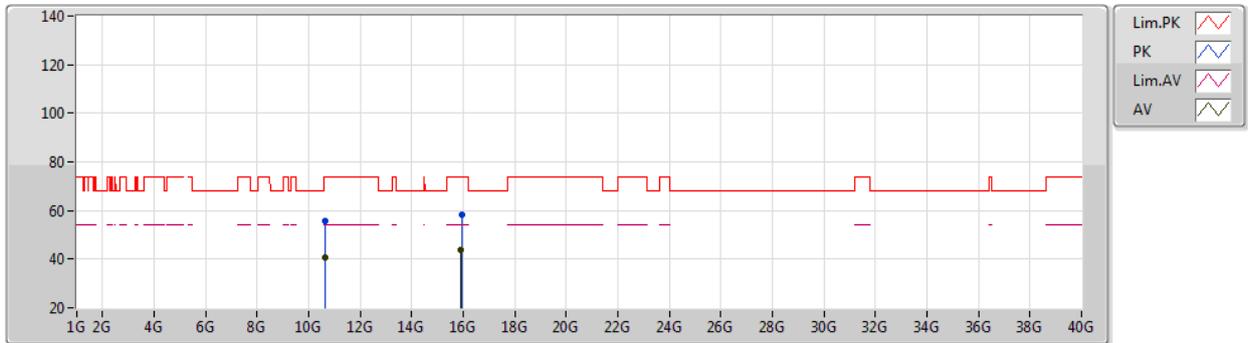
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3082G	101.10	Inf	-Inf	90.51	3	Horizontal	136	2.02	-	34.98	6.05	30.44
AV	5.3082G	90.57	Inf	-Inf	79.98	3	Horizontal	136	2.02	-	34.98	6.05	30.44
PK	5.3526G	66.31	74.00	-7.69	55.85	3	Horizontal	136	2.02	-	34.84	6.08	30.46
AV	5.35G	51.53	54.00	-2.47	41.06	3	Horizontal	136	2.02	-	34.85	6.08	30.46



802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5310MHz\_TX



EUT Y\_2TX  
Setting 18  
02-B-P-2

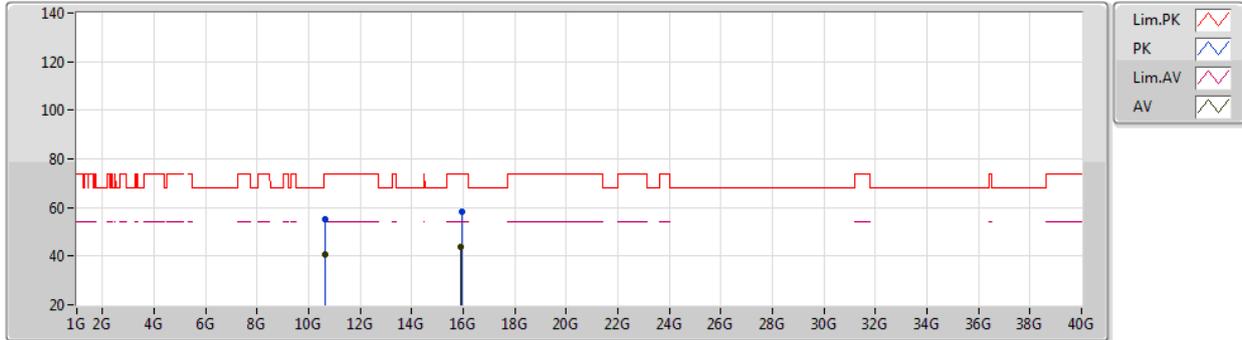
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.61716G	55.55	74.00	-18.45	38.28	3	Vertical	108	1.86	-	40.16	8.59	31.48
AV	10.61902G	40.69	54.00	-13.31	23.41	3	Vertical	108	1.86	-	40.17	8.59	31.48
PK	15.9328G	58.19	74.00	-15.81	37.83	3	Vertical	146	1.05	-	43.05	9.38	32.07
AV	15.92606G	44.01	54.00	-9.99	23.64	3	Vertical	146	1.05	-	43.05	9.38	32.06



802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5310MHz\_TX



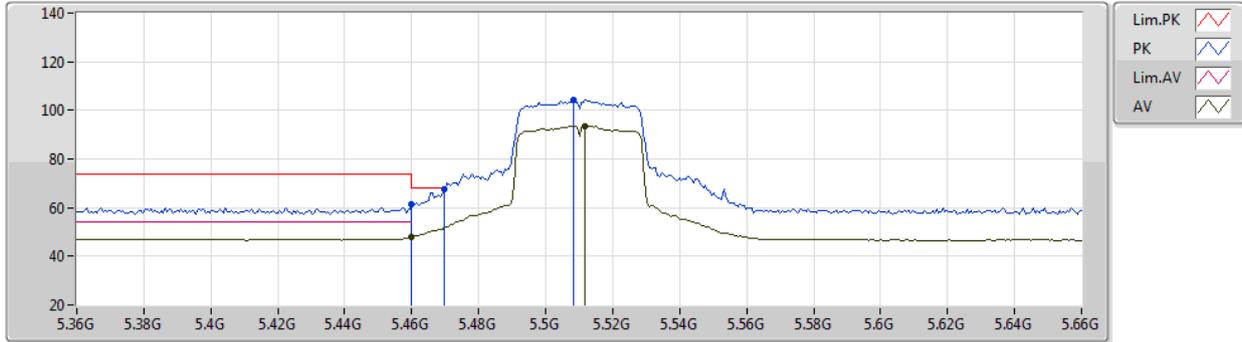
EUT Y\_2TX  
Setting 18  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.62264G	55.36	74.00	-18.64	38.08	3	Horizontal	303	1.40	-	40.17	8.59	31.48
AV	10.61664G	40.69	54.00	-13.31	23.42	3	Horizontal	303	1.40	-	40.16	8.59	31.48
PK	15.9297G	58.11	74.00	-15.89	37.74	3	Horizontal	295	2.14	-	43.05	9.38	32.06
AV	15.92598G	43.89	54.00	-10.11	23.52	3	Horizontal	295	2.14	-	43.05	9.38	32.06

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5510MHz\_TX



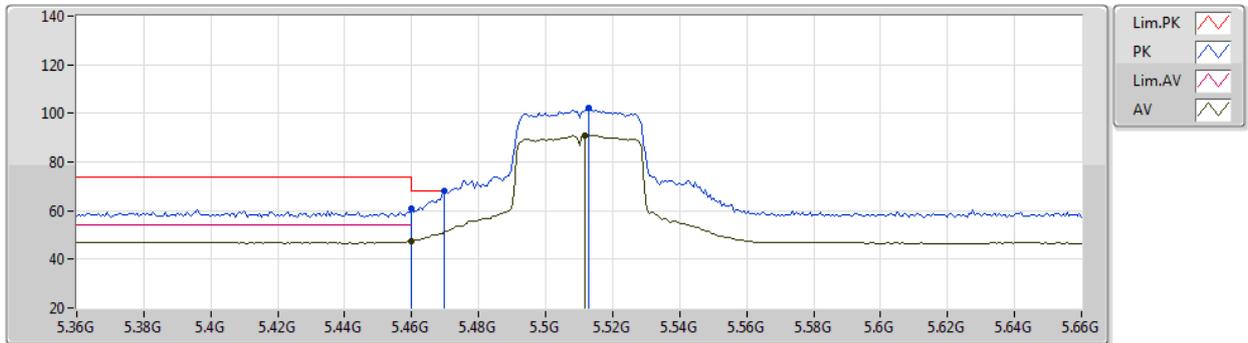
EUT Y\_2TX  
Setting 16  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.46G	61.28	74.00	-12.72	51.02	3	Vertical	22	2.96	-	34.58	6.17	30.49
AV	5.46G	47.98	54.00	-6.02	37.72	3	Vertical	22	2.96	-	34.58	6.17	30.49
PK	5.4698G	67.77	68.20	-0.43	57.53	3	Vertical	22	2.96	-	34.56	6.18	30.50
PK	5.5082G	104.12	Inf	-Inf	93.92	3	Vertical	22	2.96	-	34.49	6.22	30.51
AV	5.5118G	93.63	Inf	-Inf	83.43	3	Vertical	22	2.96	-	34.49	6.22	30.51

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5510MHz\_TX



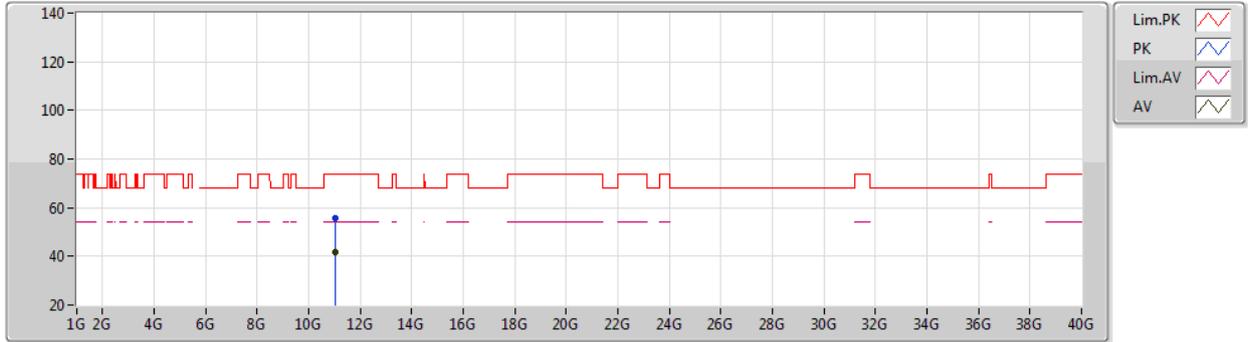
EUT Y\_2TX  
Setting 16  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.46G	60.70	74.00	-13.30	50.44	3	Horizontal	130	2.08	-	34.58	6.17	30.49
AV	5.46G	47.51	54.00	-6.49	37.25	3	Horizontal	130	2.08	-	34.58	6.17	30.49
PK	5.4698G	68.06	68.20	-0.14	57.82	3	Horizontal	130	2.08	-	34.56	6.18	30.50
PK	5.513G	102.08	Inf	-Inf	91.88	3	Horizontal	130	2.08	-	34.49	6.22	30.51
AV	5.5118G	91.03	Inf	-Inf	80.83	3	Horizontal	130	2.08	-	34.49	6.22	30.51

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5510MHz\_TX



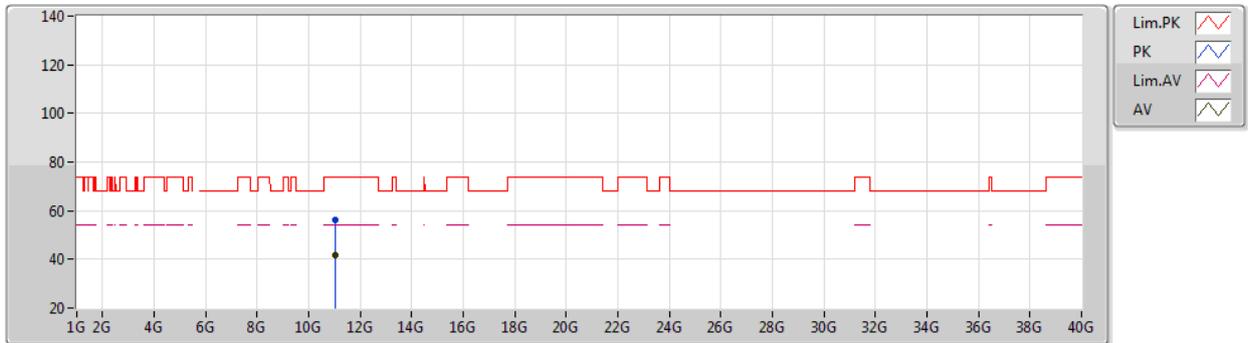
EUT Y\_2TX  
Setting 16  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.02004G	55.92	74.00	-18.08	37.92	3	Vertical	186	1.34	-	40.74	8.72	31.46
AV	11.02052G	41.83	54.00	-12.17	23.83	3	Vertical	186	1.34	-	40.74	8.72	31.46

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5510MHz\_TX



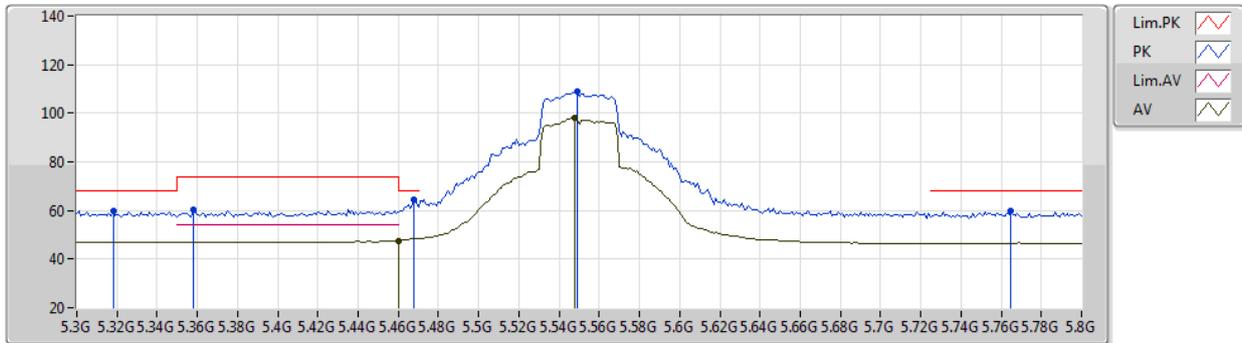
EUT Y\_2TX  
Setting 16  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.01756G	56.12	74.00	-17.88	38.12	3	Horizontal	295	1.94	-	40.74	8.72	31.46
AV	11.02036G	41.83	54.00	-12.17	23.83	3	Horizontal	295	1.94	-	40.74	8.72	31.46

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5550MHz\_TX



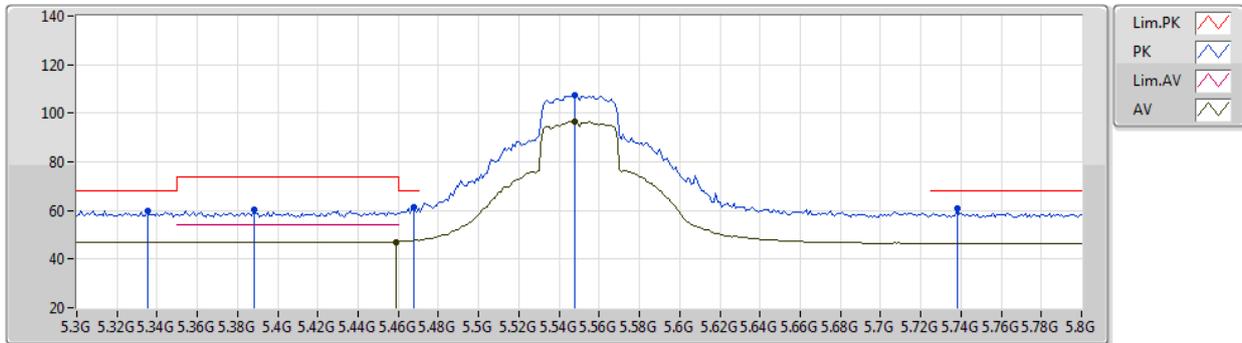
EUT Y\_2TX  
Setting 26  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.318G	59.88	68.20	-8.32	49.32	3	Vertical	19	3.00	-	34.95	6.06	30.45
PK	5.358G	60.50	74.00	-13.50	50.05	3	Vertical	19	3.00	-	34.83	6.08	30.46
PK	5.468G	64.67	68.20	-3.53	54.44	3	Vertical	19	3.00	-	34.56	6.17	30.50
AV	5.46G	47.65	54.00	-6.35	37.39	3	Vertical	19	3.00	-	34.58	6.17	30.49
PK	5.549G	108.88	Inf	-Inf	98.70	3	Vertical	19	3.00	-	34.45	6.25	30.52
AV	5.548G	97.93	Inf	-Inf	87.75	3	Vertical	19	3.00	-	34.45	6.25	30.52
PK	5.765G	59.89	68.20	-8.31	49.92	3	Vertical	19	3.00	-	34.16	6.38	30.57

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5550MHz\_TX



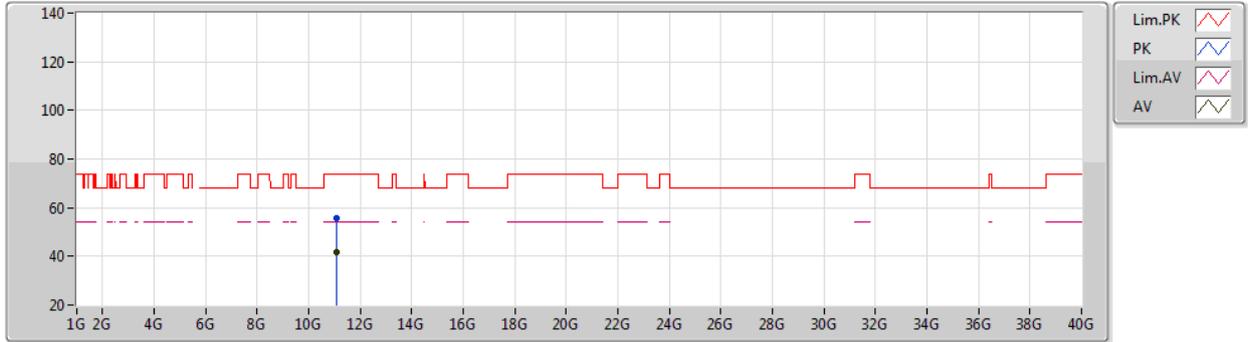
EUT Y\_2TX  
Setting 26  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.335G	59.67	68.20	-8.53	49.15	3	Horizontal	133	2.15	-	34.90	6.07	30.45
PK	5.388G	60.22	74.00	-13.78	49.86	3	Horizontal	133	2.15	-	34.74	6.09	30.47
PK	5.468G	61.45	68.20	-6.75	51.22	3	Horizontal	133	2.15	-	34.56	6.17	30.50
AV	5.459G	47.13	54.00	-6.87	36.88	3	Horizontal	133	2.15	-	34.58	6.16	30.49
PK	5.548G	107.46	Inf	-Inf	97.28	3	Horizontal	133	2.15	-	34.45	6.25	30.52
AV	5.548G	96.62	Inf	-Inf	86.44	3	Horizontal	133	2.15	-	34.45	6.25	30.52
PK	5.738G	60.81	68.20	-7.39	50.87	3	Horizontal	133	2.15	-	34.14	6.37	30.57

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5550MHz\_TX



EUT Y\_2TX  
Setting 26  
02-B-P-2

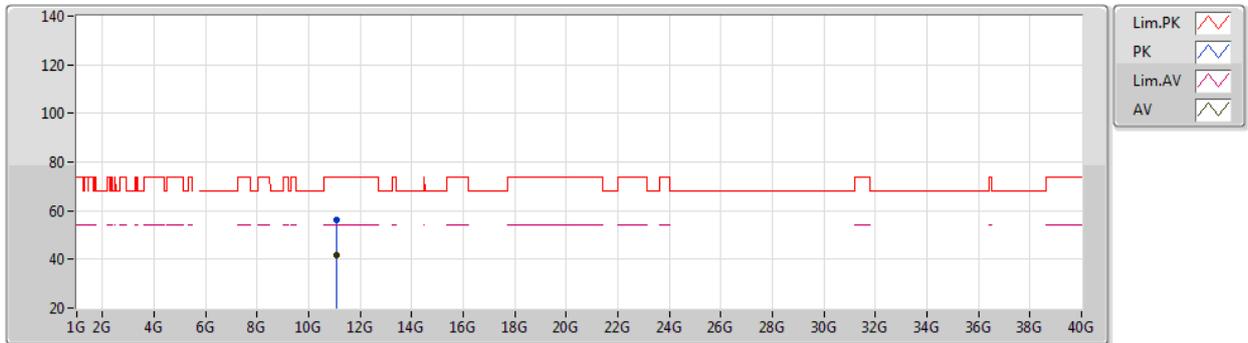
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.09856G	55.67	74.00	-18.33	37.51	3	Vertical	233	1.48	-	40.90	8.74	31.48
AV	11.10038G	41.61	54.00	-12.39	23.45	3	Vertical	233	1.48	-	40.90	8.74	31.48



802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5550MHz\_TX



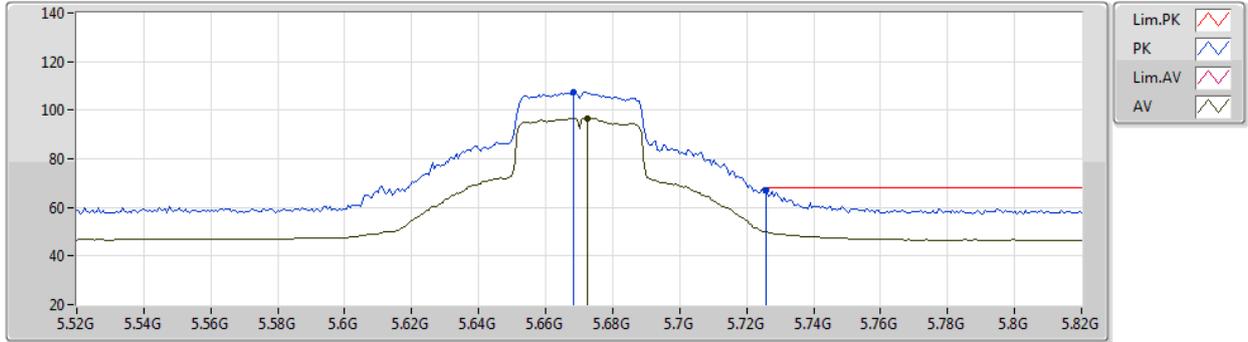
EUT Y\_2TX  
Setting 26  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.09832G	55.98	74.00	-18.02	37.82	3	Horizontal	226	1.72	-	40.90	8.74	31.48
AV	11.1004G	41.68	54.00	-12.32	23.52	3	Horizontal	226	1.72	-	40.90	8.74	31.48

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5670MHz\_TX



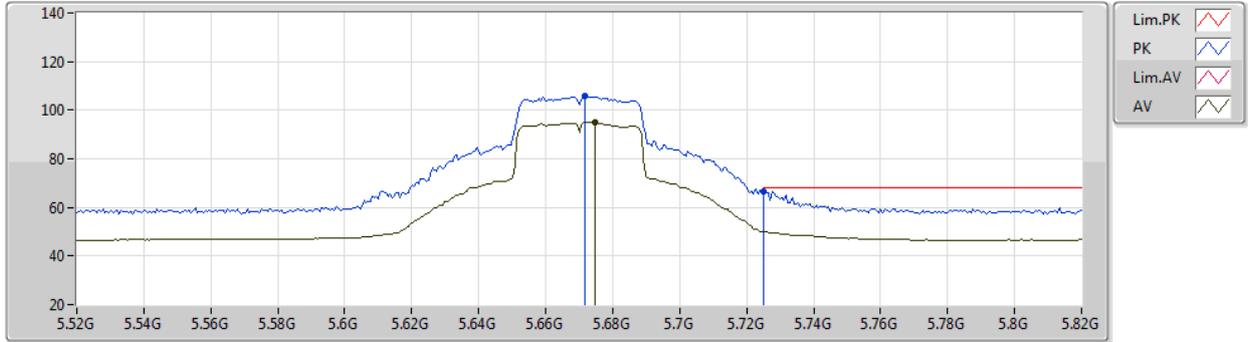
EUT Y\_2TX  
Setting 23  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6682G	107.42	Inf	-Inf	97.44	3	Vertical	345	2.95	-	34.20	6.33	30.55
AV	5.6724G	96.66	Inf	-Inf	86.69	3	Vertical	345	2.95	-	34.18	6.34	30.55
PK	5.7258G	66.87	68.20	-1.33	56.95	3	Vertical	345	2.95	-	34.13	6.36	30.57

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5670MHz\_TX



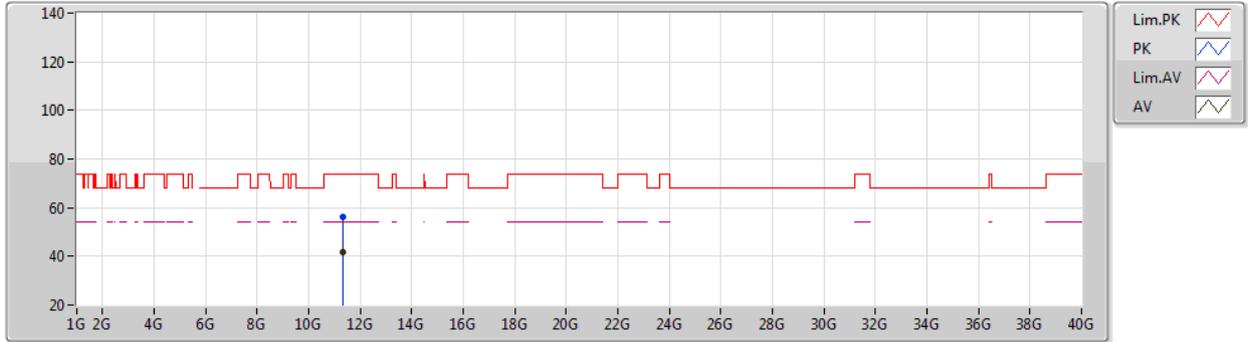
EUT Y\_2TX  
Setting 23  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6718G	105.64	Inf	-Inf	95.67	3	Horizontal	306	1.97	-	34.18	6.34	30.55
AV	5.6748G	95.21	Inf	-Inf	85.24	3	Horizontal	306	1.97	-	34.18	6.34	30.55
PK	5.7252G	66.54	68.20	-1.66	56.62	3	Horizontal	306	1.97	-	34.13	6.36	30.57

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5670MHz\_TX



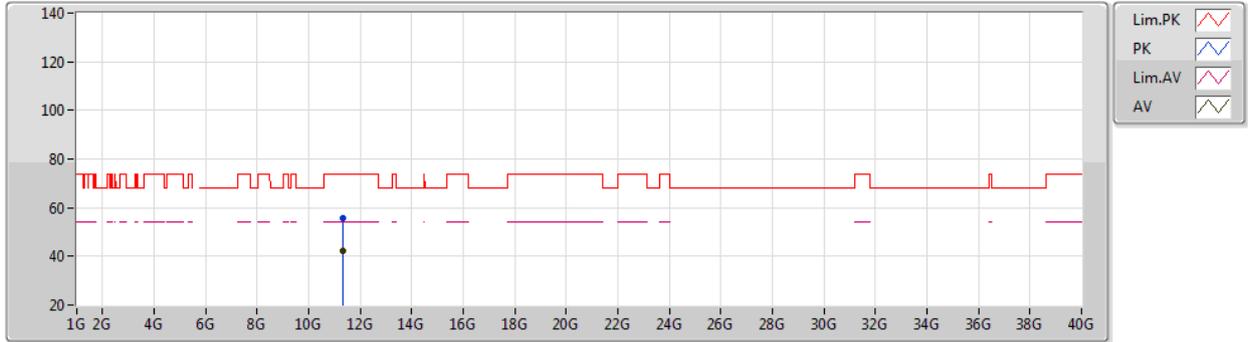
EUT Y\_2TX  
Setting 23  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3404G	56.40	74.00	-17.60	37.77	3	Vertical	302	1.79	-	41.38	8.81	31.56
AV	11.33742G	41.98	54.00	-12.02	23.35	3	Vertical	302	1.79	-	41.37	8.81	31.55

802.11ac VHT40\_Nss1,(MCS0)\_2TX

23/04/2020

5670MHz\_TX



EUT Y\_2TX  
Setting 23  
02-B-P-2

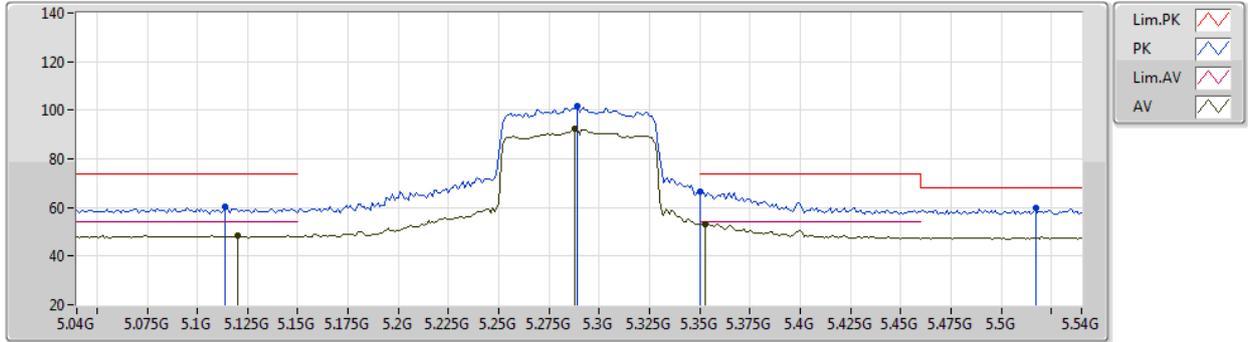
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.33534G	55.94	74.00	-18.06	37.31	3	Horizontal	34	1.39	-	41.37	8.81	31.55
AV	11.33716G	42.00	54.00	-12.00	23.37	3	Horizontal	34	1.39	-	41.37	8.81	31.55



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5290MHz\_TX



EUT Y\_2TX  
Setting 15  
02-B-P-2-10

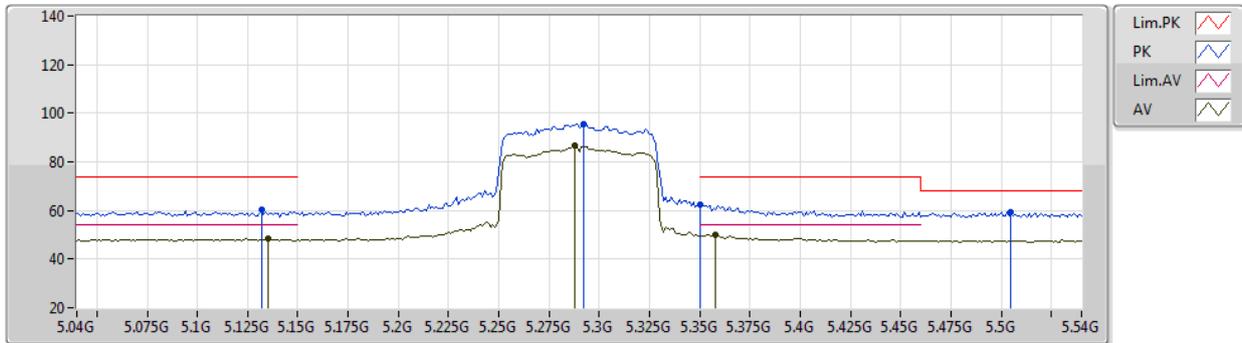
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.114G	60.40	74.00	-13.60	50.11	3	Vertical	295	2.75	-	34.70	5.96	30.37
AV	5.12G	48.49	54.00	-5.51	38.21	3	Vertical	295	2.75	-	34.70	5.96	30.38
PK	5.289G	101.57	Inf	-Inf	91.00	3	Vertical	295	2.75	-	34.97	6.04	30.44
AV	5.288G	92.39	Inf	-Inf	81.83	3	Vertical	295	2.75	-	34.96	6.04	30.44
PK	5.35G	66.52	74.00	-7.48	56.05	3	Vertical	295	2.75	-	34.85	6.07	30.45
AV	5.353G	53.35	54.00	-0.65	42.89	3	Vertical	295	2.75	-	34.84	6.08	30.46
PK	5.517G	59.61	68.20	-8.59	49.41	3	Vertical	295	2.75	-	34.48	6.23	30.51



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5290MHz\_TX



EUT Y\_2TX  
Setting 15  
02-B-P-2-10

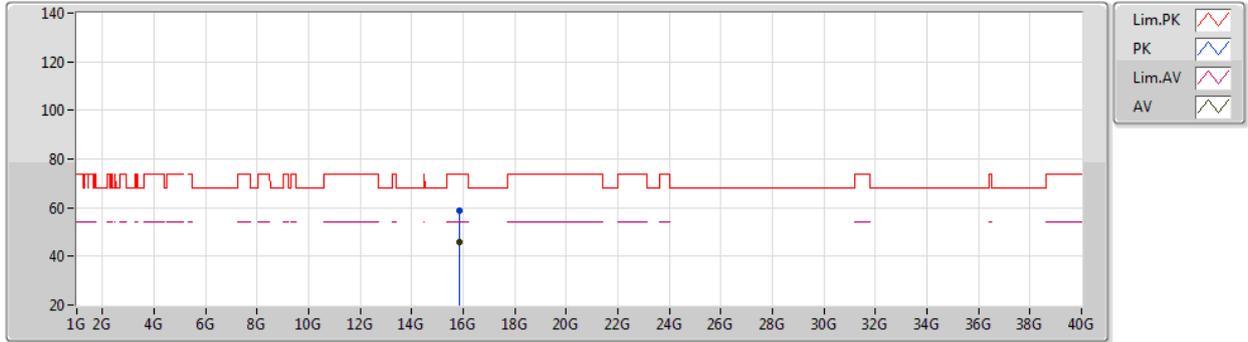
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.132G	60.23	74.00	-13.77	49.94	3	Horizontal	225	2.06	-	34.70	5.97	30.38
AV	5.135G	48.30	54.00	-5.70	38.01	3	Horizontal	225	2.06	-	34.70	5.97	30.38
PK	5.292G	95.77	Inf	-Inf	85.18	3	Horizontal	225	2.06	-	34.98	6.05	30.44
AV	5.288G	86.74	Inf	-Inf	76.18	3	Horizontal	225	2.06	-	34.96	6.04	30.44
PK	5.35G	62.62	74.00	-11.38	52.15	3	Horizontal	225	2.06	-	34.85	6.07	30.45
AV	5.358G	50.22	54.00	-3.78	39.77	3	Horizontal	225	2.06	-	34.83	6.08	30.46
PK	5.505G	59.43	68.20	-8.77	49.24	3	Horizontal	225	2.06	-	34.49	6.21	30.51



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5290MHz\_TX



EUT Y\_2TX  
Setting 15  
02-B-P-2

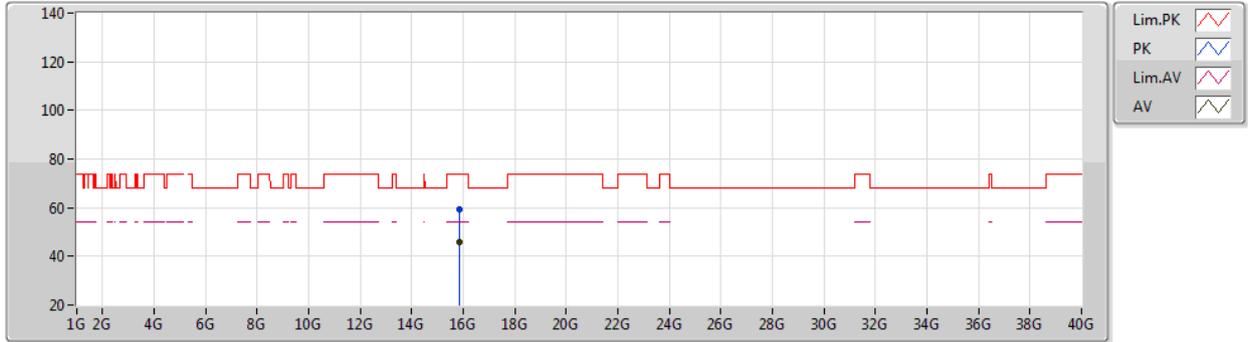
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.87188G	58.83	74.00	-15.17	38.43	3	Vertical	185	2.15	-	43.09	9.36	32.05
AV	15.8734G	46.03	54.00	-7.97	25.63	3	Vertical	185	2.15	-	43.09	9.36	32.05



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5290MHz\_TX



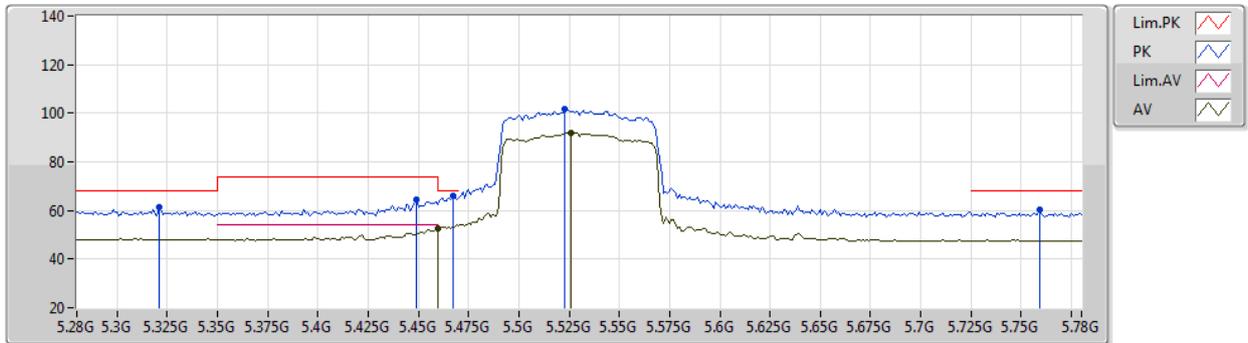
EUT Y\_2TX  
Setting 15  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.87044G	59.45	74.00	-14.55	39.05	3	Horizontal	267	1.27	-	43.09	9.36	32.05
AV	15.86968G	46.05	54.00	-7.95	25.65	3	Horizontal	267	1.27	-	43.09	9.36	32.05

802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5530MHz\_TX



EUT Y\_2TX  
Setting 13  
02-B-P-2-10

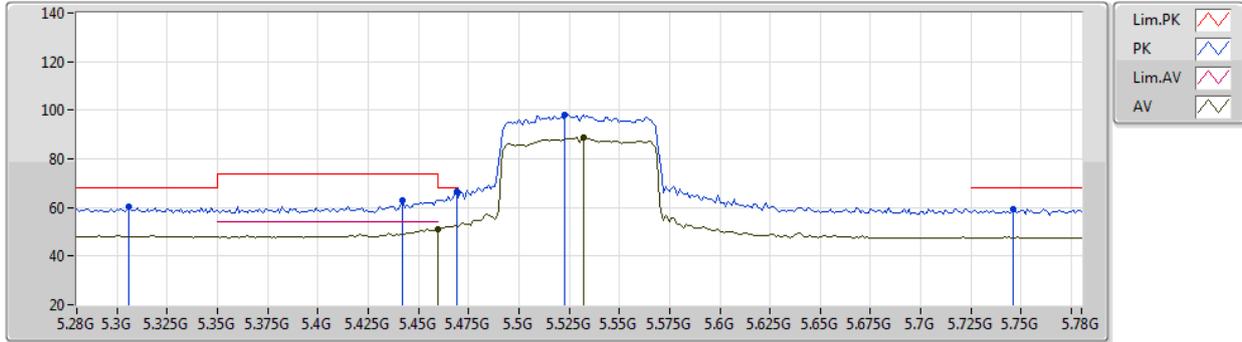
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.321G	61.15	68.20	-7.05	50.60	3	Vertical	350	2.95	-	34.94	6.06	30.45
PK	5.449G	64.42	74.00	-9.58	54.16	3	Vertical	350	2.95	-	34.60	6.15	30.49
PK	5.467G	65.96	68.20	-2.24	55.72	3	Vertical	350	2.95	-	34.57	6.17	30.50
AV	5.46G	52.77	54.00	-1.23	42.51	3	Vertical	350	2.95	-	34.58	6.17	30.49
PK	5.523G	101.61	Inf	-Inf	91.41	3	Vertical	350	2.95	-	34.48	6.23	30.51
AV	5.526G	92.00	Inf	-Inf	81.82	3	Vertical	350	2.95	-	34.47	6.23	30.52
PK	5.759G	60.50	68.20	-7.70	50.53	3	Vertical	350	2.95	-	34.16	6.38	30.57



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5530MHz\_TX



EUT Y\_2TX  
Setting 13  
02-B-P-2-10

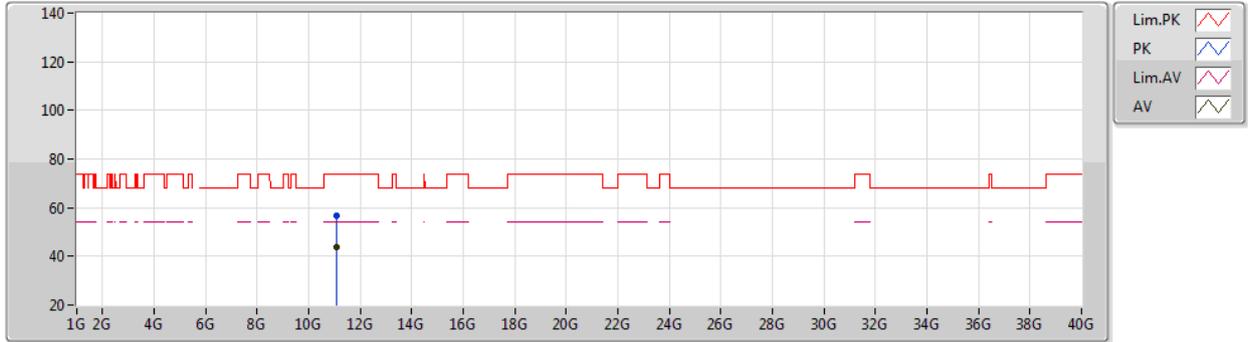
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.306G	60.39	68.20	-7.81	49.80	3	Horizontal	150	1.84	-	34.98	6.05	30.44
PK	5.442G	62.97	74.00	-11.03	52.69	3	Horizontal	150	1.84	-	34.62	6.15	30.49
PK	5.469G	66.53	68.20	-1.67	56.29	3	Horizontal	150	1.84	-	34.56	6.18	30.50
AV	5.46G	51.17	54.00	-2.83	40.91	3	Horizontal	150	1.84	-	34.58	6.17	30.49
PK	5.523G	98.34	Inf	-Inf	88.14	3	Horizontal	150	1.84	-	34.48	6.23	30.51
AV	5.532G	88.62	Inf	-Inf	78.43	3	Horizontal	150	1.84	-	34.47	6.24	30.52
PK	5.746G	59.45	68.20	-8.75	49.50	3	Horizontal	150	1.84	-	34.15	6.37	30.57



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5530MHz\_TX



EUT Y\_2TX  
Setting 13  
02-B-P-2

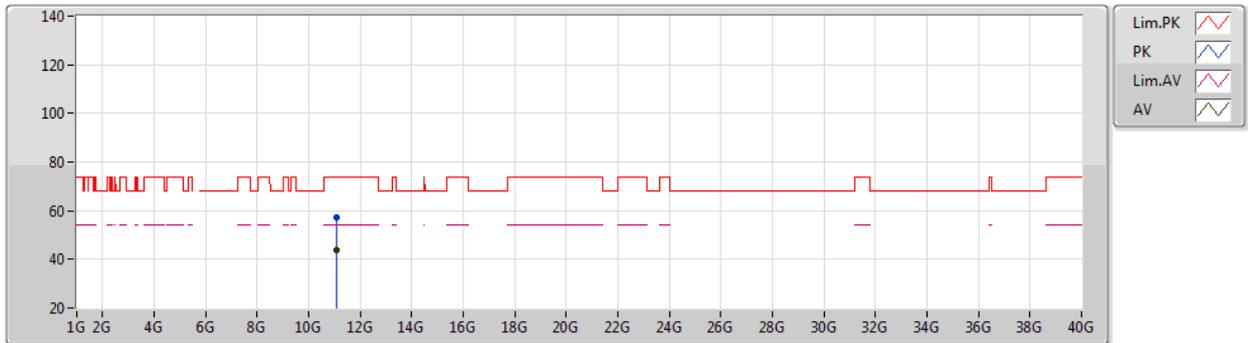
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.06064G	56.94	74.00	-17.06	38.86	3	Vertical	108	1.68	-	40.82	8.73	31.47
AV	11.065G	43.72	54.00	-10.28	25.63	3	Vertical	108	1.68	-	40.83	8.73	31.47



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5530MHz\_TX



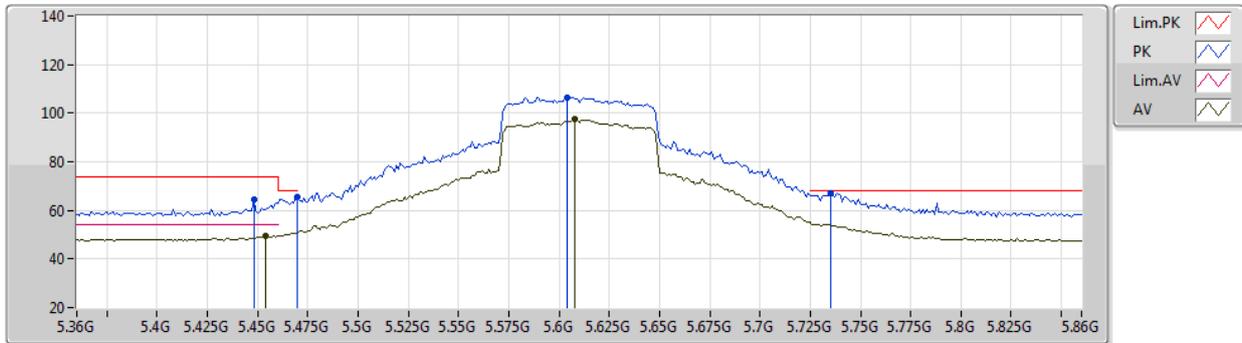
EUT Y\_2TX  
Setting 13  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.05898G	57.28	74.00	-16.72	39.20	3	Horizontal	64	1.47	-	40.82	8.73	31.47
AV	11.06026G	43.63	54.00	-10.37	25.55	3	Horizontal	64	1.47	-	40.82	8.73	31.47

802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5610MHz\_TX



EUT Y\_2TX  
Setting 26  
02-B-P-2-10

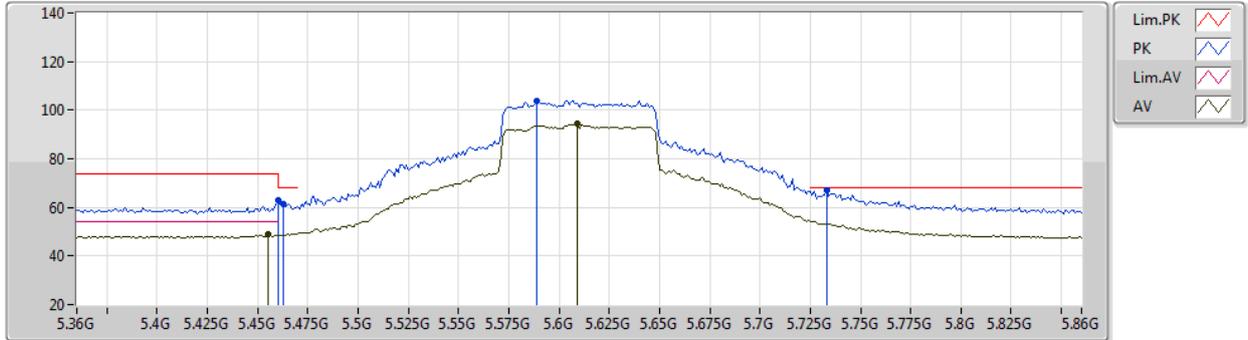
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.448G	64.68	74.00	-9.32	54.42	3	Vertical	347	3.00	-	34.60	6.15	30.49
AV	5.454G	49.48	54.00	-4.52	39.22	3	Vertical	347	3.00	-	34.59	6.16	30.49
PK	5.47G	65.63	68.20	-2.57	55.39	3	Vertical	347	3.00	-	34.56	6.18	30.50
PK	5.604G	106.51	Inf	-Inf	96.35	3	Vertical	347	3.00	-	34.39	6.30	30.53
AV	5.608G	97.42	Inf	-Inf	87.27	3	Vertical	347	3.00	-	34.38	6.30	30.53
PK	5.735G	67.17	68.20	-1.03	57.23	3	Vertical	347	3.00	-	34.14	6.37	30.57



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5610MHz\_TX



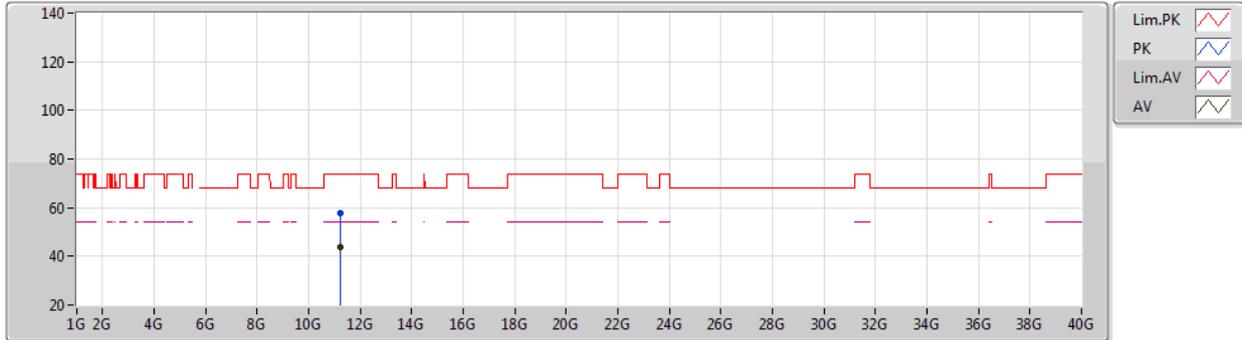
EUT Y\_2TX  
Setting 26  
02-B-P-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.46G	62.72	74.00	-11.28	52.46	3	Horizontal	309	2.00	-	34.58	6.17	30.49
AV	5.455G	48.74	54.00	-5.26	38.48	3	Horizontal	309	2.00	-	34.59	6.16	30.49
PK	5.463G	61.48	68.20	-6.72	51.24	3	Horizontal	309	2.00	-	34.57	6.17	30.50
PK	5.589G	103.86	Inf	-Inf	93.69	3	Horizontal	309	2.00	-	34.41	6.29	30.53
AV	5.609G	94.53	Inf	-Inf	84.39	3	Horizontal	309	2.00	-	34.37	6.30	30.53
PK	5.733G	66.82	68.20	-1.38	56.89	3	Horizontal	309	2.00	-	34.13	6.37	30.57

802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5610MHz\_TX



EUT Y\_2TX  
Setting 26  
02-B-P-2

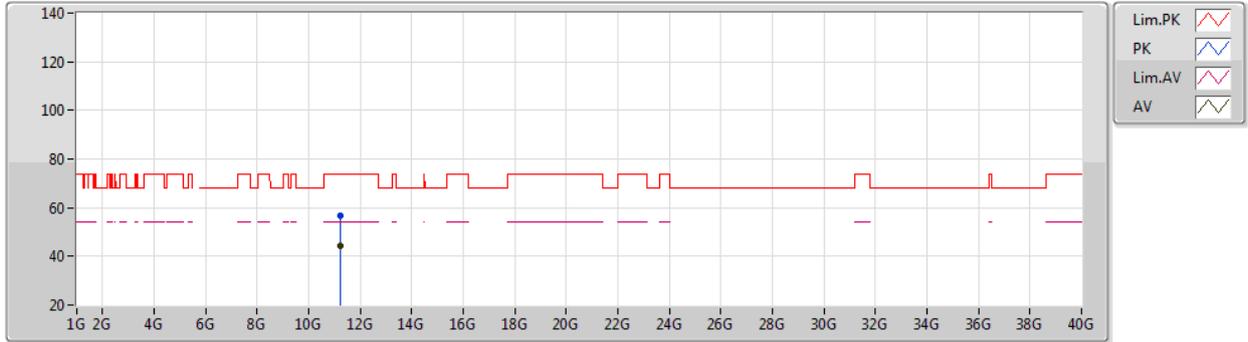
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.2246G	57.55	74.00	-16.45	39.14	3	Vertical	245	2.17	-	41.15	8.78	31.52
AV	11.21758G	44.04	54.00	-9.96	25.65	3	Vertical	245	2.17	-	41.14	8.77	31.52



802.11ac VHT80\_Nss1,(MCS0)\_2TX

23/04/2020

5610MHz\_TX



EUT Y\_2TX  
Setting 26  
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.22046G	56.98	74.00	-17.02	38.59	3	Horizontal	249	2.40	-	41.14	8.77	31.52
AV	11.22464G	44.19	54.00	-9.81	25.78	3	Horizontal	249	2.40	-	41.15	8.78	31.52