FCC RADIO TEST REPORT

FCC ID	:	TE7RE205V2
Equipment	:	AC750 Wi-Fi Range Extender
Brand Name	:	tp-link
Model Name	:	RE205
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (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 Oct. 01, 2018, and testing was started from Oct. 25, 2018 and completed on Oct. 31, 2018. 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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History of this test report

Report No.	Version	Description	Issued Date
FR892823-01	01	Initial issue of report	Jan. 31, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
0	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: Cliff Chang

Report Producer: Vicky Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Port	Brand	Product Number	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	TP-LINK	3101501563	Dipole Antenna	I-PEX	2	3
2	2	TP-LINK	3101501562	Dipole Antenna	I-PEX	2	-

Note1: The above information was declared by manufacturer.

Note2: The EUT has two antennas.

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

Port 1 and Port 2 could transmit/receive simultaneously.

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

Only Port 1 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

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

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

1.1.4 EUT Operational Condition

EUT Power Type	Internal power supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	MT76xxE_AP V2.0.10.0			

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: FR892823AB

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

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

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Paul Chen	22°C / 54%	Oct. 30, 2018~Oct. 31, 2018
Radiated	03CH01-CB	Cola Chang	24°C / 58%	Oct. 25, 2018~Oct. 31, 2018

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

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5260MHz	1B
5300MHz	1C
5320MHz	17
5500MHz	16
5580MHz	1B
5700MHz	16
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5260MHz	1B
5300MHz	1C
5320MHz	17
5500MHz	16
5580MHz	1B
5700MHz	14
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5270MHz	1B
5310MHz	10
5510MHz	10
5550MHz	1C
5670MHz	18
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5290MHz	0D
5530MHz	0B
5610MHz	1A

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

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	EUT in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA892823-01 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

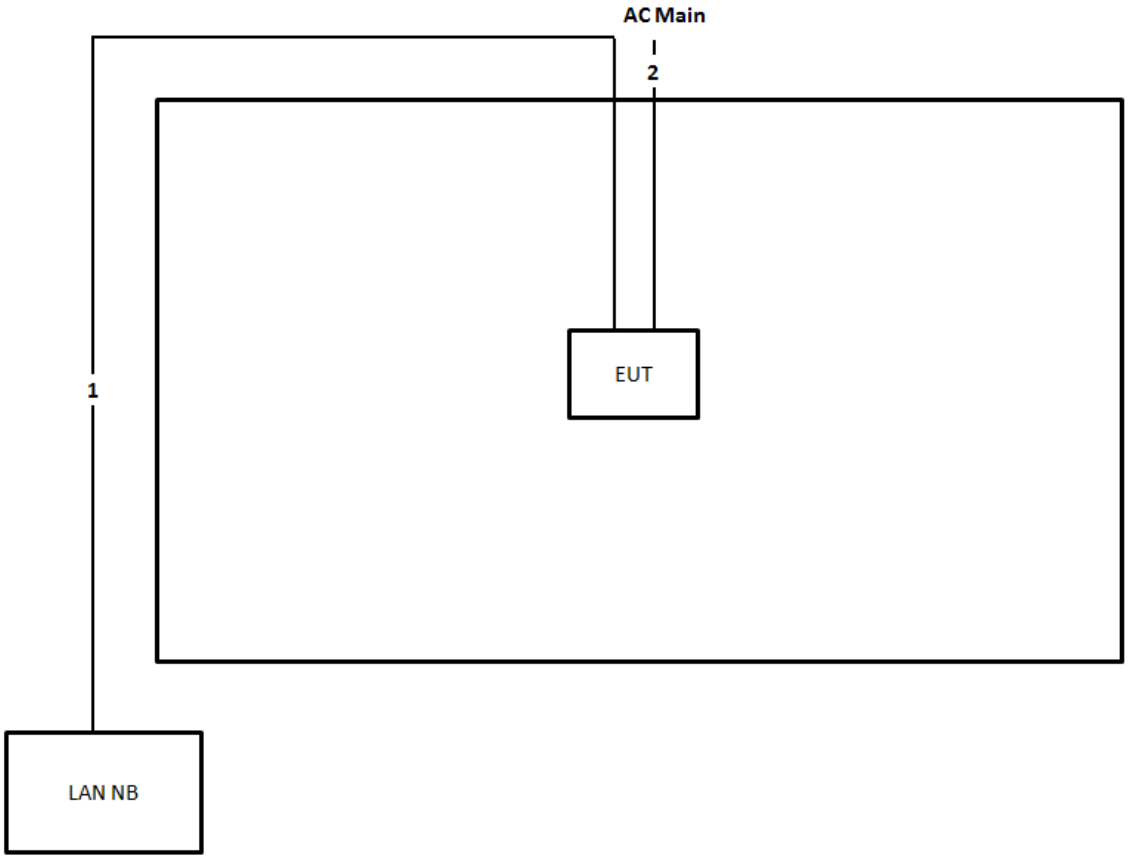
N/A

2.5 Support Equipment

Support Equipment			
Equipment	**Brand Name**	**Model Name**	**FCC ID**
NB	DELL	E4300	N/A

2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

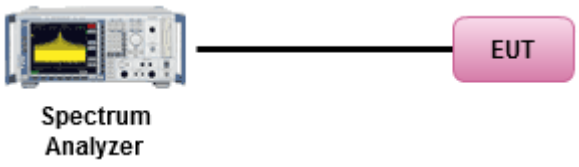
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup

Emission Bandwidth


3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

RF Output Power (Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

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

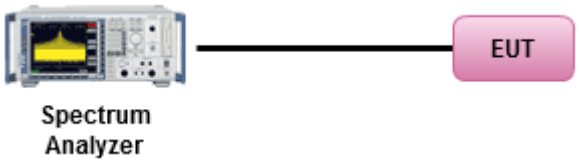
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

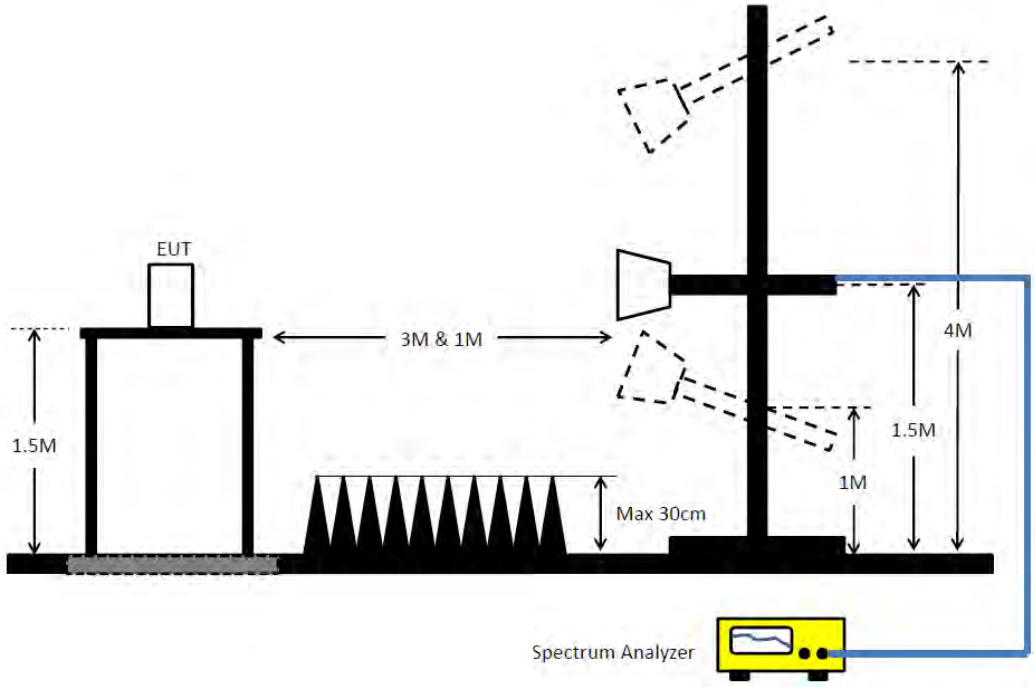
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

3.4.4 Test Setup

Transmitter Radiated Unwanted Emissions
Above 1GHz



3.4.5 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	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-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)_1TX	40.5M	18.975M	19M0D1D	35.175M	16.725M
802.11ac VHT20_Nss1,(MCS0)_1TX	44.8M	19.69M	19M7D1D	37.85M	17.716M
802.11ac VHT40_Nss1,(MCS0)_1TX	96.35M	38.481M	38M5D1D	41.15M	36.132M
802.11ac VHT80_Nss1,(MCS0)_1TX	97.2M	75.562M	75M6D1D	97.2M	75.562M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	41.05M	18.55M	18M5D1D	31.625M	16.75M
802.11ac VHT20_Nss1,(MCS0)_1TX	44.825M	18.841M	18M8D1D	28.025M	17.566M
802.11ac VHT40_Nss1,(MCS0)_1TX	90.45M	37.931M	37M9D1D	41.2M	36.132M
802.11ac VHT80_Nss1,(MCS0)_1TX	191.9M	77.061M	77M1D1D	95.7M	75.462M

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

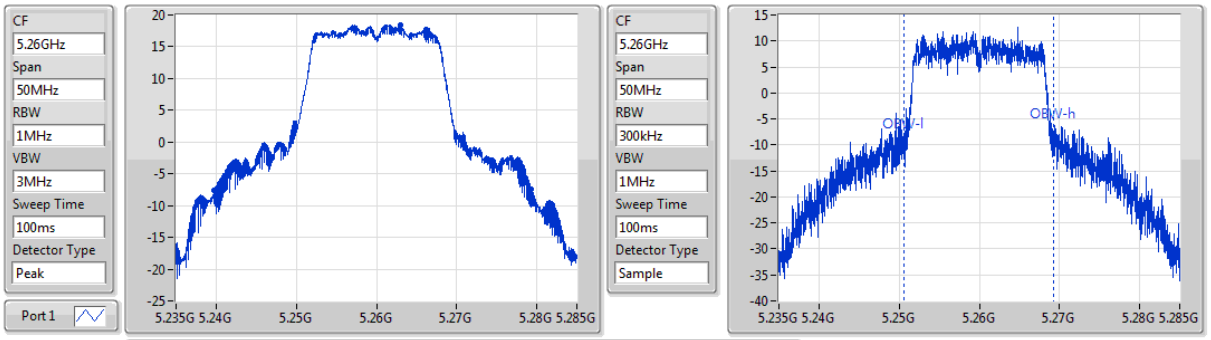
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5260MHz	Pass	Inf	39.525M	18.75M
5300MHz	Pass	Inf	40.5M	18.975M
5320MHz	Pass	Inf	35.175M	16.725M
5500MHz	Pass	Inf	31.625M	16.8M
5580MHz	Pass	Inf	41.05M	18.55M
5700MHz	Pass	Inf	37.175M	16.75M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	44.725M	19.69M
5300MHz	Pass	Inf	44.8M	19.565M
5320MHz	Pass	Inf	37.85M	17.716M
5500MHz	Pass	Inf	36.425M	17.666M
5580MHz	Pass	Inf	44.825M	18.841M
5700MHz	Pass	Inf	28.025M	17.566M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	96.35M	38.481M
5310MHz	Pass	Inf	41.15M	36.132M
5510MHz	Pass	Inf	41.2M	36.132M
5550MHz	Pass	Inf	90.45M	37.931M
5670MHz	Pass	Inf	74.1M	36.332M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	97.2M	75.562M
5530MHz	Pass	Inf	95.7M	75.462M
5610MHz	Pass	Inf	191.9M	77.061M

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)_1TX **EBW**

5260MHz

31/10/2018

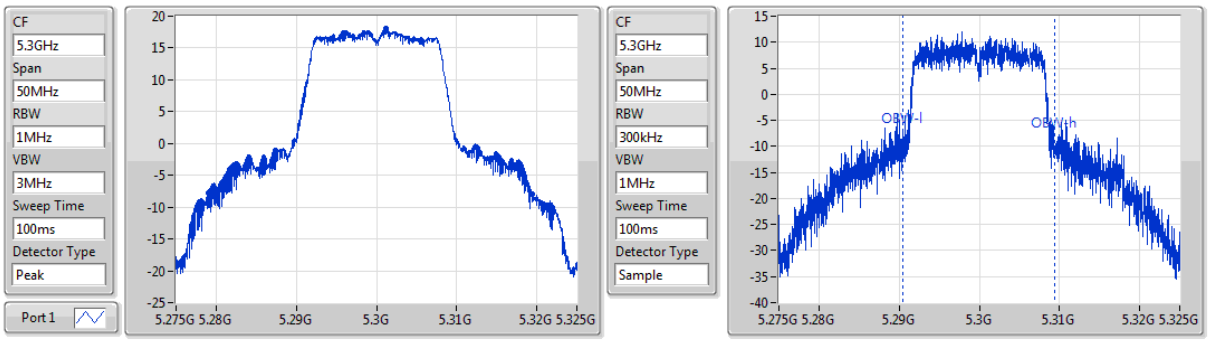


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.525M	5.23975G	5.279275G	18.75M	5.250575G	5.269325G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5300MHz

31/10/2018

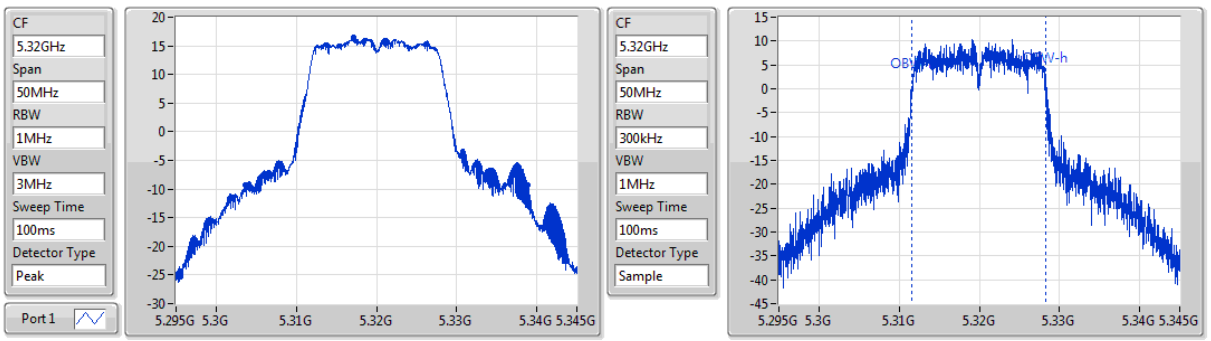


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.278975G	5.319475G	18.975M	5.29045G	5.309425G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5320MHz

31/10/2018

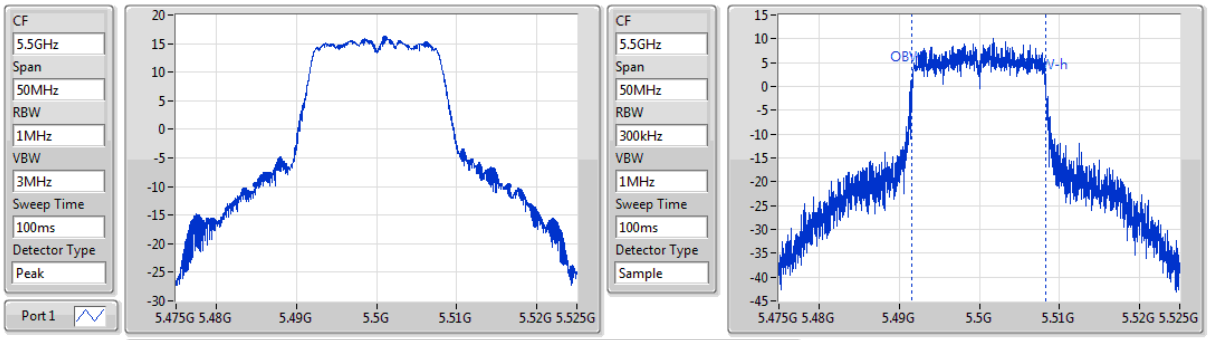


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.175M	5.303675G	5.33885G	16.725M	5.311575G	5.3283G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5500MHz

31/10/2018

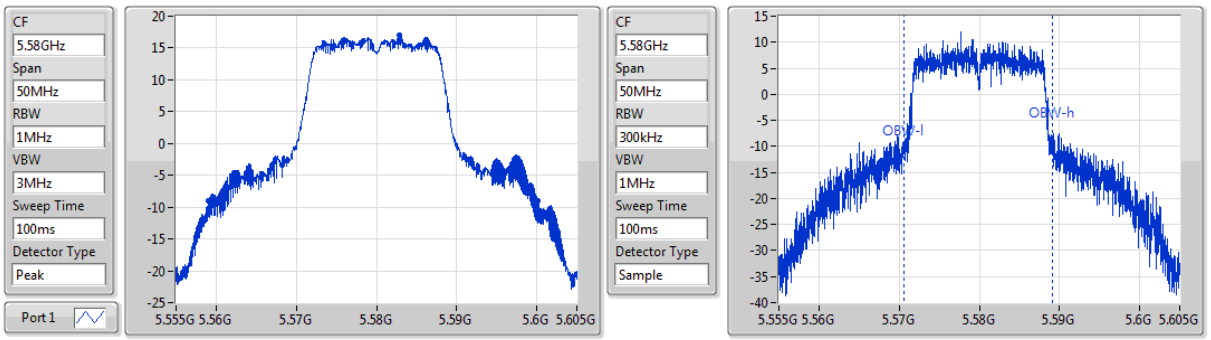


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.625M	5.4849G	5.516525G	16.8M	5.491525G	5.508325G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5580MHz

31/10/2018

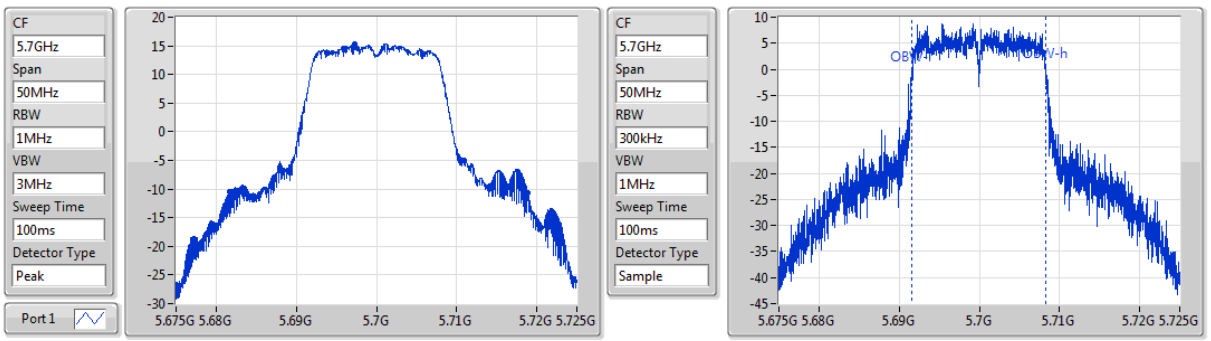


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.05M	5.559025G	5.600075G	18.55M	5.5706G	5.58915G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5700MHz

31/10/2018

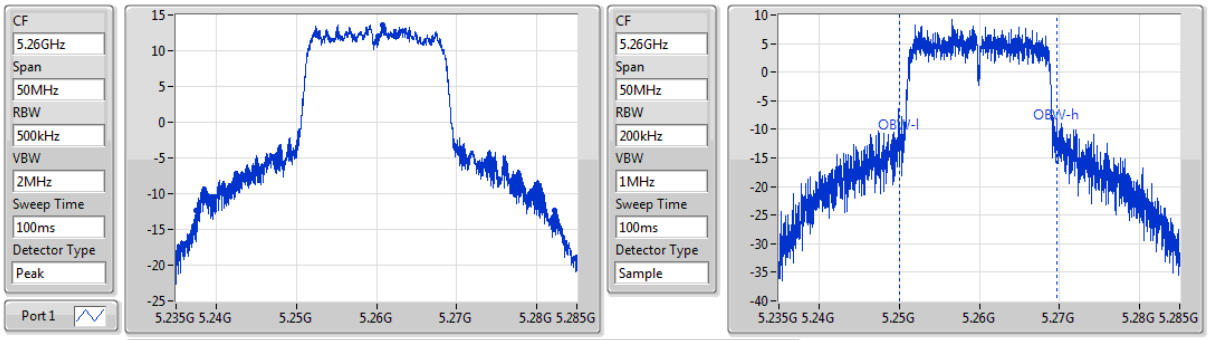


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.175M	5.681675G	5.71885G	16.75M	5.6916G	5.70835G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

5260MHz

31/10/2018

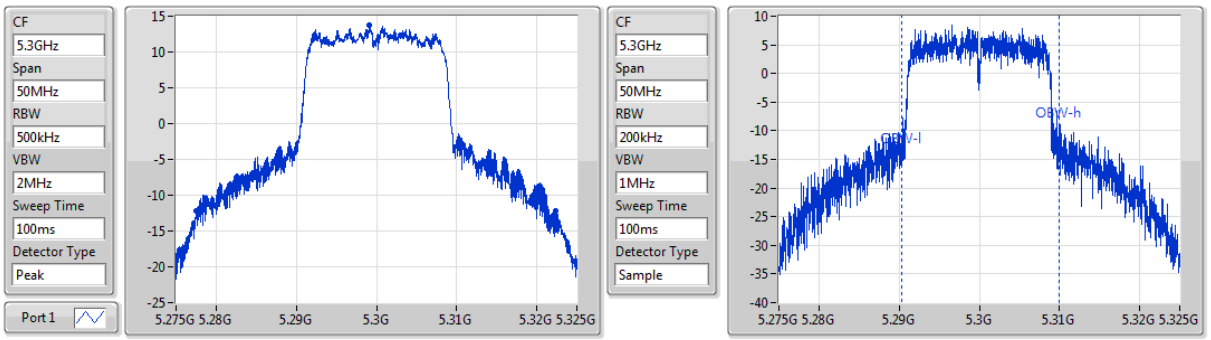


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.725M	5.23755G	5.282275G	19.69M	5.250055G	5.269745G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

5300MHz

31/10/2018

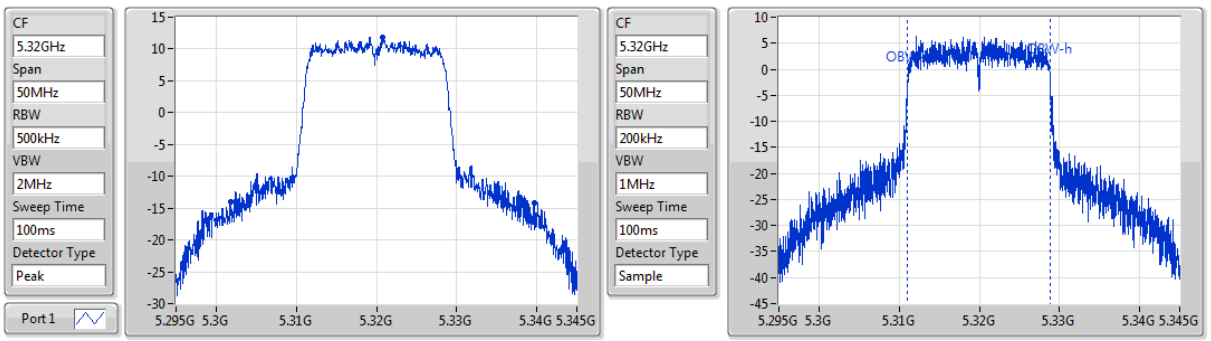


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.8M	5.277575G	5.322375G	19.565M	5.29033G	5.309895G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

5320MHz

31/10/2018

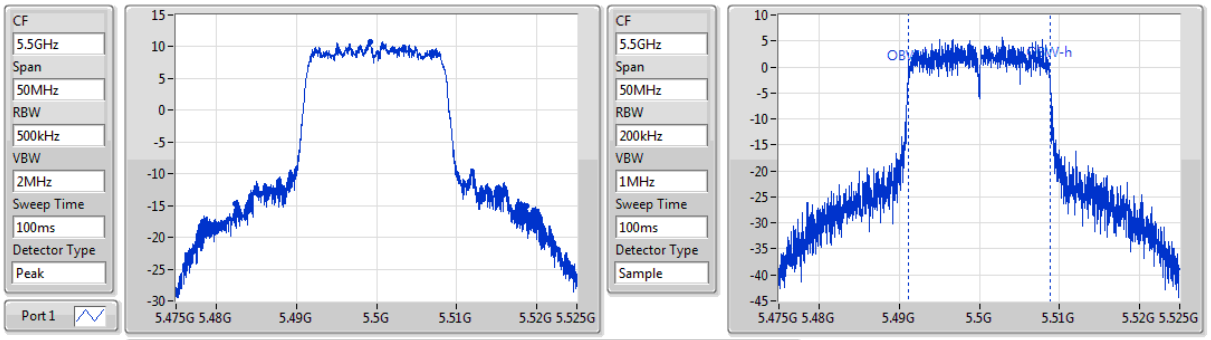


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.85M	5.301825G	5.339675G	17.716M	5.311079G	5.328796G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

5500MHz

31/10/2018

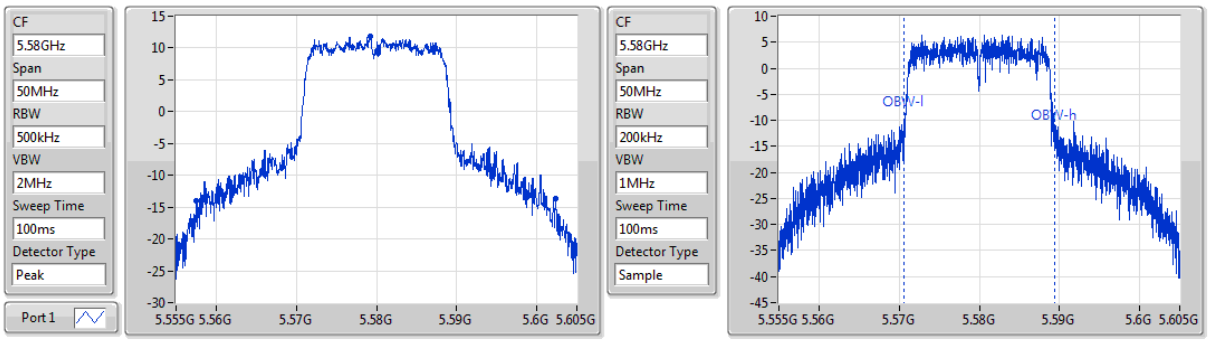


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.425M	5.48235G	5.518775G	17.666M	5.491129G	5.508796G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

5580MHz

31/10/2018

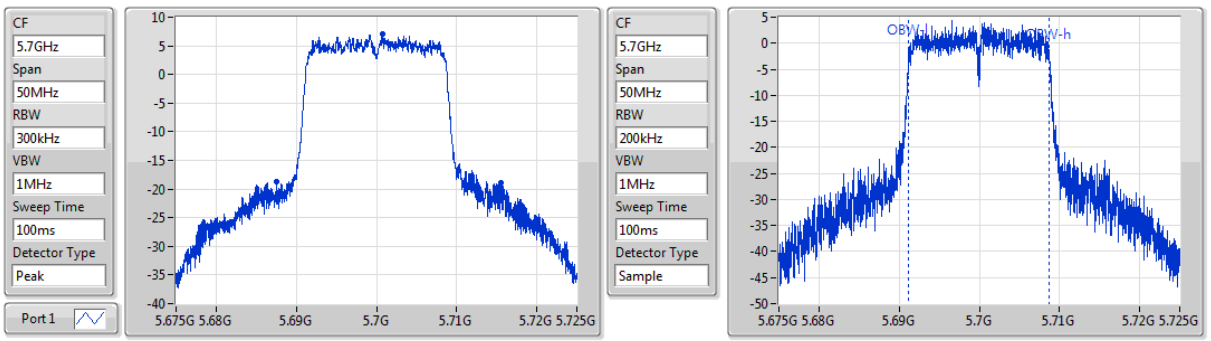


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.825M	5.557575G	5.6024G	18.841M	5.57058G	5.58942G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

5700MHz

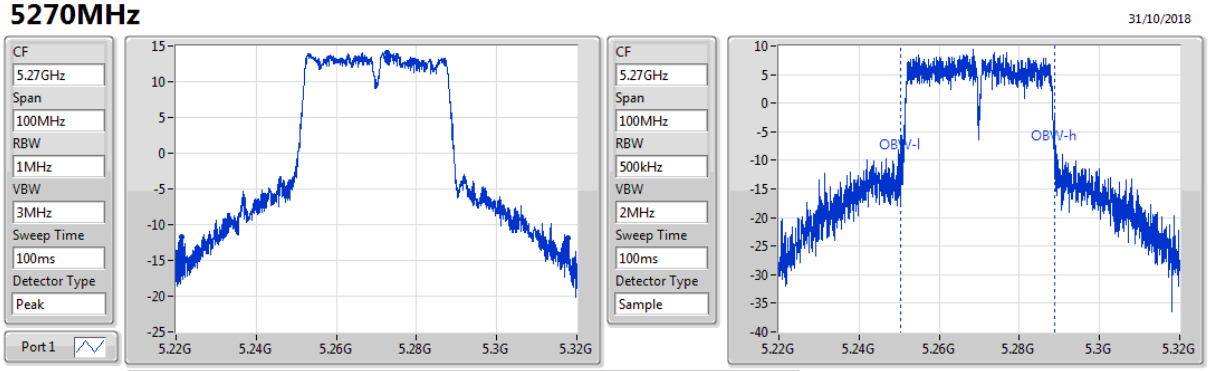
31/10/2018



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.025M	5.687475G	5.7155G	17.566M	5.691179G	5.708746G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

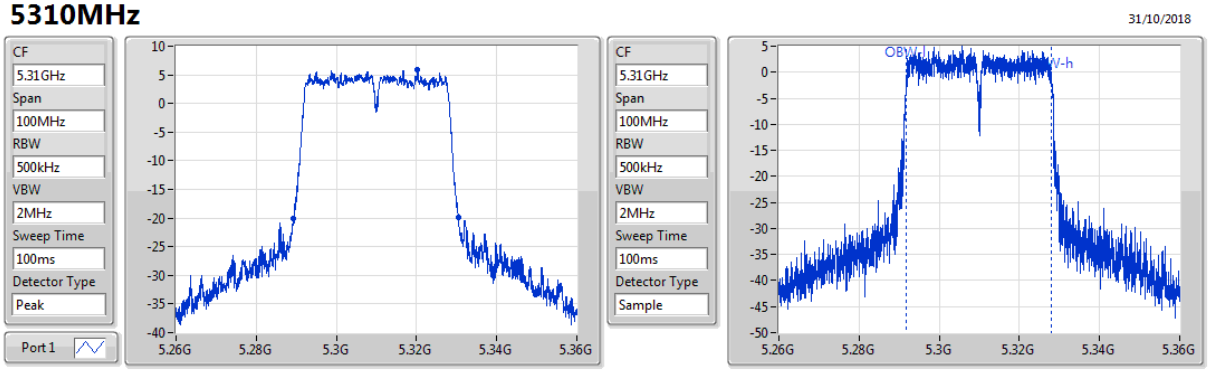
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
96.35M	5.2213G	5.31765G	38.481M	5.25041G	5.288891G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

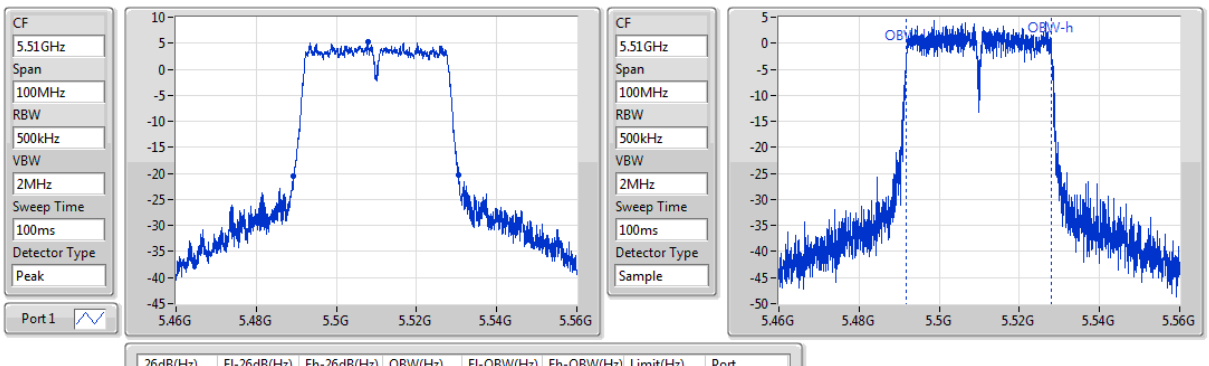
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.15M	5.2893G	5.33045G	36.132M	5.291859G	5.327991G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX **EBW**

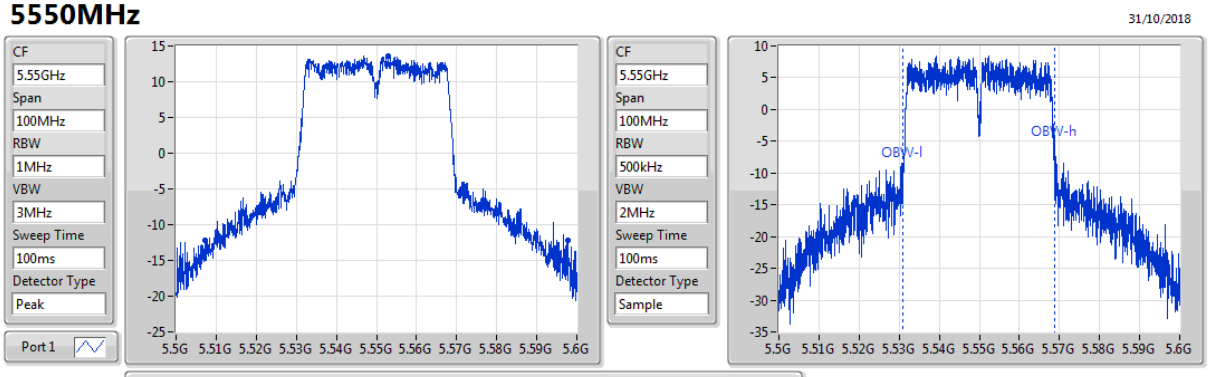
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.2M	5.48925G	5.53045G	36.132M	5.491859G	5.527991G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX EBW

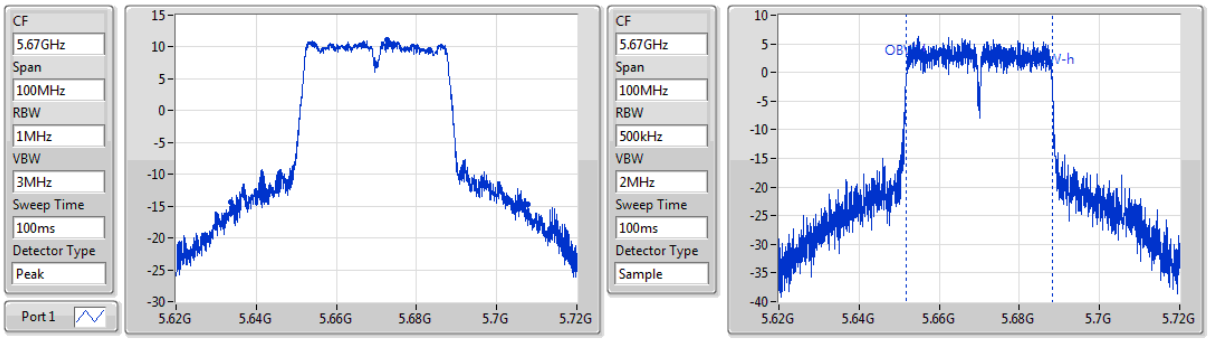
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90.45M	5.5072G	5.59765G	37.931M	5.53091G	5.568841G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX EBW

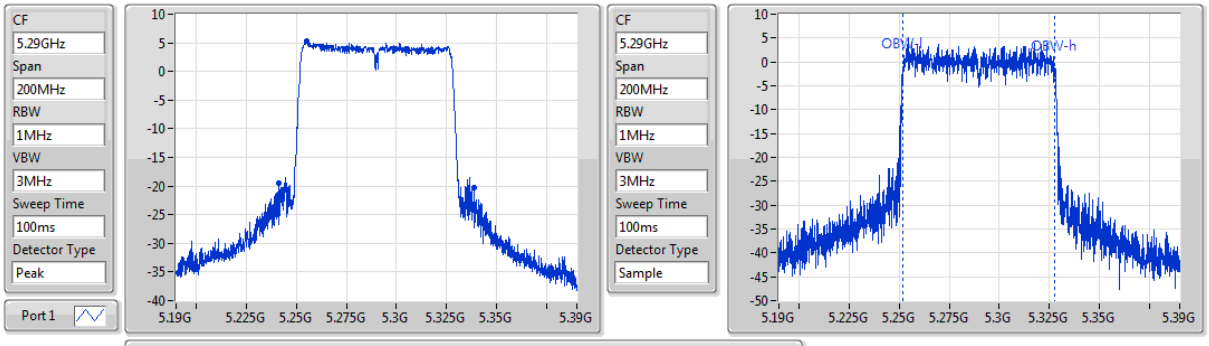
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.1M	5.63355G	5.70765G	36.332M	5.651809G	5.688141G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

5290MHz

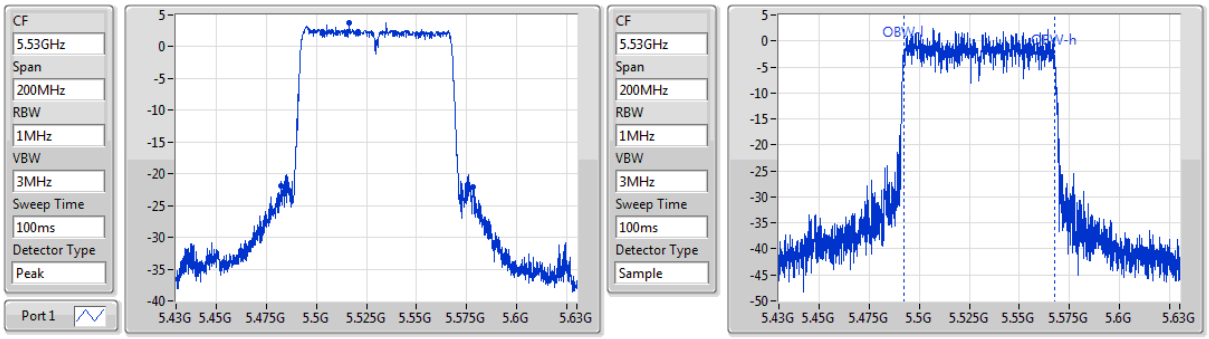


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
97.2M	5.2415G	5.3387G	75.562M	5.252019G	5.327581G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

5530MHz

31/10/2018

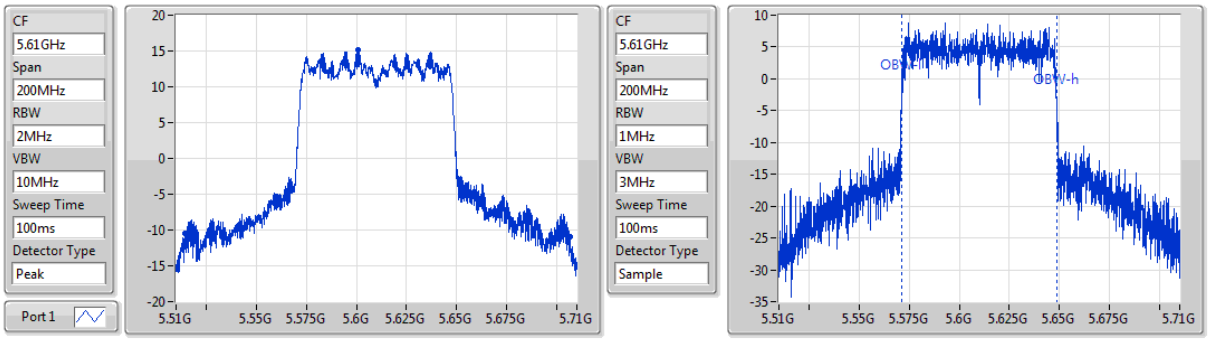


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
95.7M	5.4823G	5.578G	75.462M	5.492119G	5.567581G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

5610MHz

31/10/2018



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
191.9M	5.5145G	5.7064G	77.061M	5.571419G	5.648481G	Inf	1

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.01	0.12618
802.11ac VHT20_Nss1,(MCS0)_1TX	20.93	0.12388
802.11ac VHT40_Nss1,(MCS0)_1TX	20.71	0.11776
802.11ac VHT80_Nss1,(MCS0)_1TX	15.09	0.03228
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.69	0.09311
802.11ac VHT20_Nss1,(MCS0)_1TX	19.46	0.08831
802.11ac VHT40_Nss1,(MCS0)_1TX	20.19	0.10447
802.11ac VHT80_Nss1,(MCS0)_1TX	18.98	0.07907

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	3.00	20.91	20.91	23.98
5300MHz	Pass	3.00	21.01	21.01	23.98
5320MHz	Pass	3.00	19.31	19.31	23.98
5500MHz	Pass	3.00	18.53	18.53	23.98
5580MHz	Pass	3.00	19.69	19.69	23.98
5700MHz	Pass	3.00	17.95	17.95	23.98
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	3.00	20.93	20.93	23.98
5300MHz	Pass	3.00	20.89	20.89	23.98
5320MHz	Pass	3.00	19.27	19.27	23.98
5500MHz	Pass	3.00	18.21	18.21	23.98
5580MHz	Pass	3.00	19.46	19.46	23.98
5700MHz	Pass	3.00	16.83	16.83	23.98
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	3.00	20.71	20.71	23.98
5310MHz	Pass	3.00	16.39	16.39	23.98
5510MHz	Pass	3.00	15.59	15.59	23.98
5550MHz	Pass	3.00	20.19	20.19	23.98
5670MHz	Pass	3.00	18.02	18.02	23.98
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	3.00	15.09	15.09	23.98
5530MHz	Pass	3.00	13.31	13.31	23.98
5610MHz	Pass	3.00	18.98	18.98	23.98

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

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.29
802.11ac VHT20_Nss1,(MCS0)_1TX	7.43
802.11ac VHT40_Nss1,(MCS0)_1TX	4.15
802.11ac VHT80_Nss1,(MCS0)_1TX	-4.26
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.72
802.11ac VHT20_Nss1,(MCS0)_1TX	5.82
802.11ac VHT40_Nss1,(MCS0)_1TX	3.44
802.11ac VHT80_Nss1,(MCS0)_1TX	-0.69

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

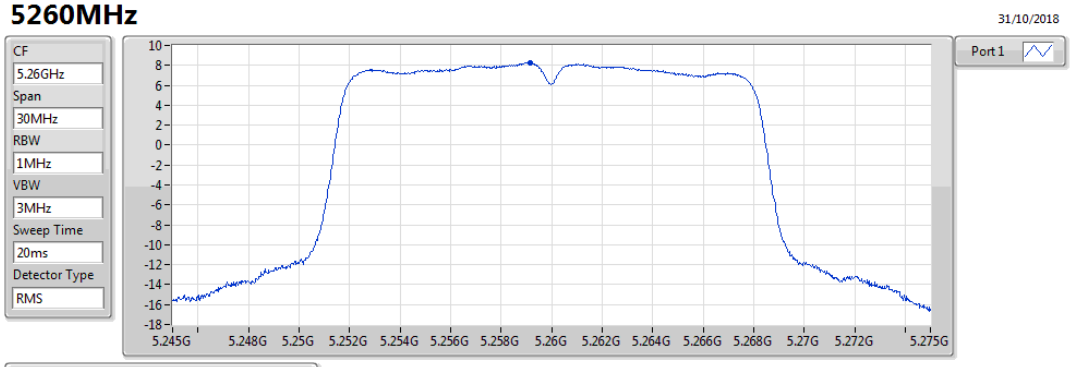
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	3.00	8.29	8.29	11.00
5300MHz	Pass	3.00	7.83	7.83	11.00
5320MHz	Pass	3.00	6.14	6.14	11.00
5500MHz	Pass	3.00	5.72	5.72	11.00
5580MHz	Pass	3.00	6.72	6.72	11.00
5700MHz	Pass	3.00	5.14	5.14	11.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	3.00	7.43	7.43	11.00
5300MHz	Pass	3.00	7.29	7.29	11.00
5320MHz	Pass	3.00	5.59	5.59	11.00
5500MHz	Pass	3.00	4.65	4.65	11.00
5580MHz	Pass	3.00	5.82	5.82	11.00
5700MHz	Pass	3.00	3.04	3.04	11.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	3.00	4.15	4.15	11.00
5310MHz	Pass	3.00	-0.44	-0.44	11.00
5510MHz	Pass	3.00	-1.09	-1.09	11.00
5550MHz	Pass	3.00	3.44	3.44	11.00
5670MHz	Pass	3.00	1.13	1.13	11.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	3.00	-4.26	-4.26	11.00
5530MHz	Pass	3.00	-6.44	-6.44	11.00
5610MHz	Pass	3.00	-0.69	-0.69	11.00

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

802.11a_Nss1,(6Mbps)_1TX **PSD**

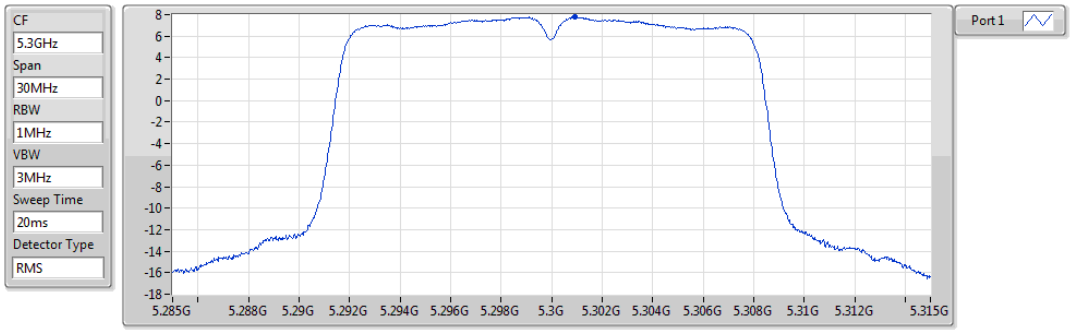
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.29	8.29	8.29

802.11a_Nss1,(6Mbps)_1TX **PSD**

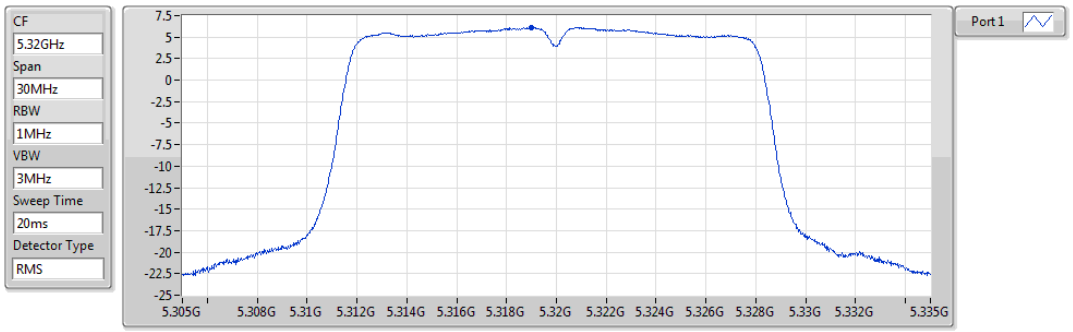
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.83	7.83	7.83

802.11a_Nss1,(6Mbps)_1TX **PSD**

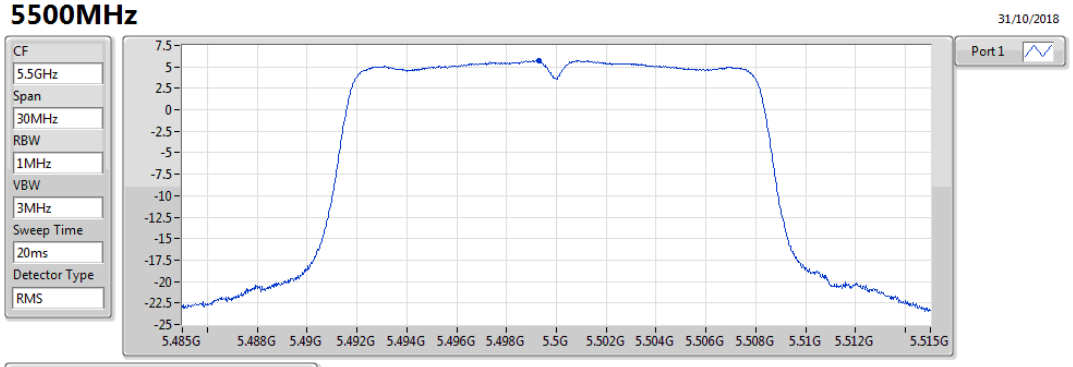
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.14	6.14	6.14

802.11a_Nss1,(6Mbps)_1TX **PSD**

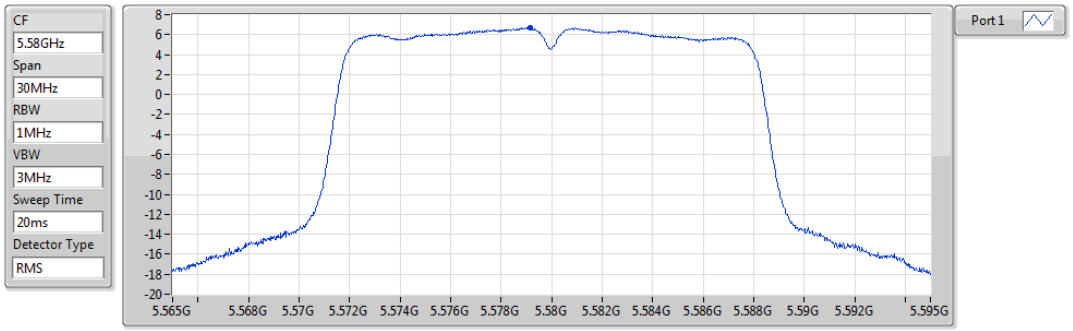
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.72	5.72	5.72

802.11a_Nss1,(6Mbps)_1TX **PSD**

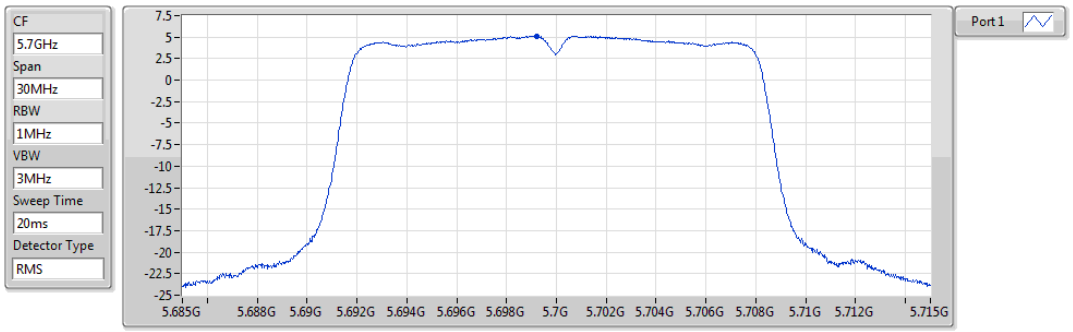
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.72	6.72	6.72

802.11a_Nss1,(6Mbps)_1TX **PSD**

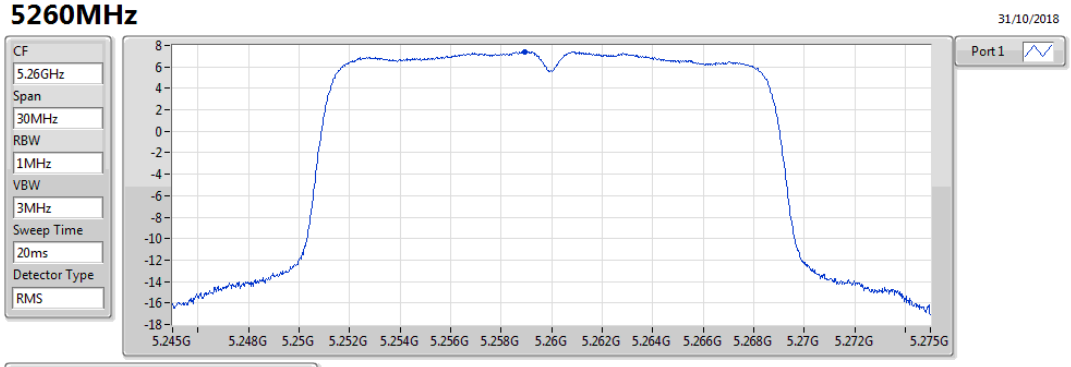
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.14	5.14	5.14

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

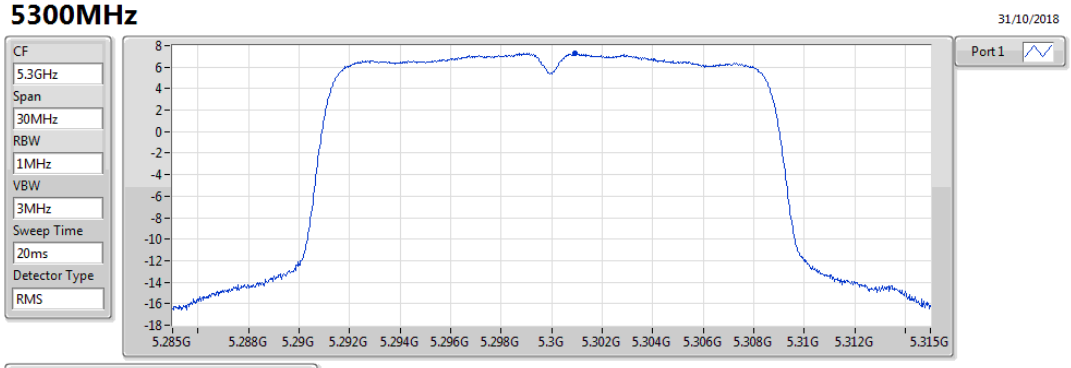
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	7.43

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

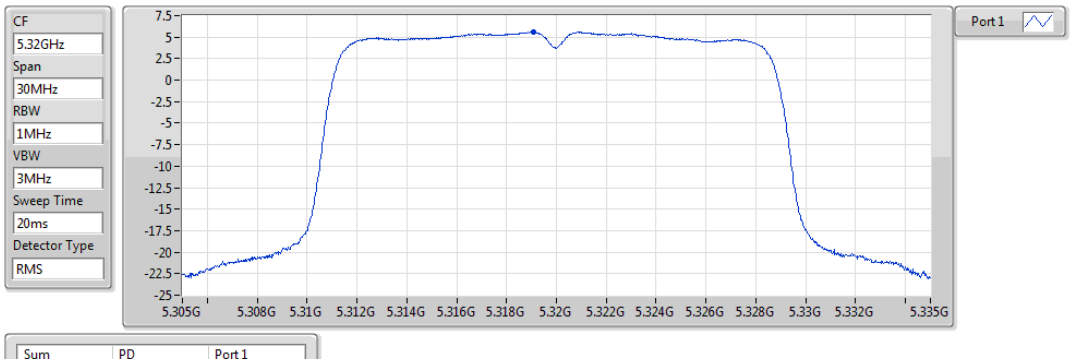
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.29	7.29	7.29

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

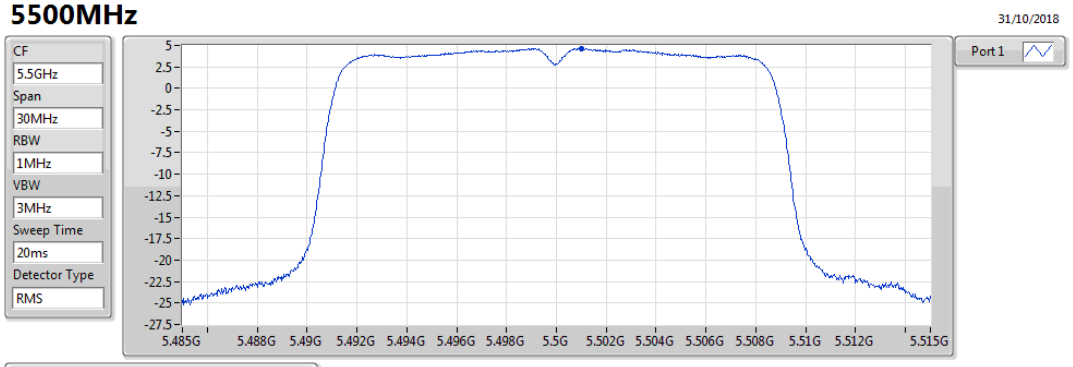
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.59	5.59	5.59

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

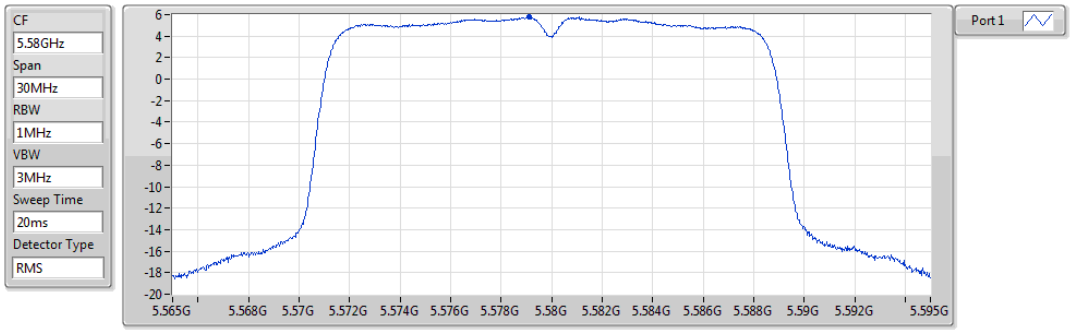
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.65	4.65	4.65

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

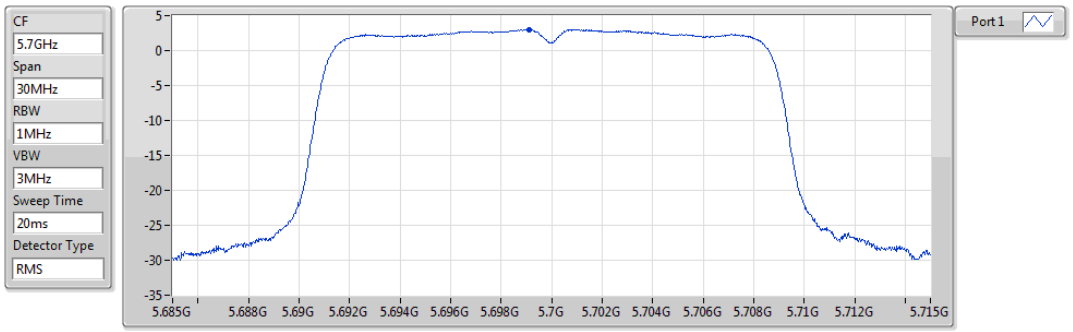
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.82	5.82	5.82

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

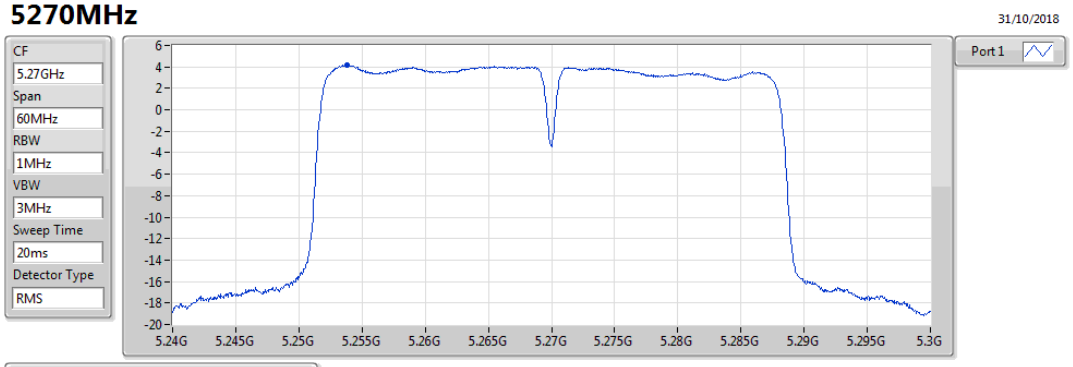
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.04	3.04	3.04

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

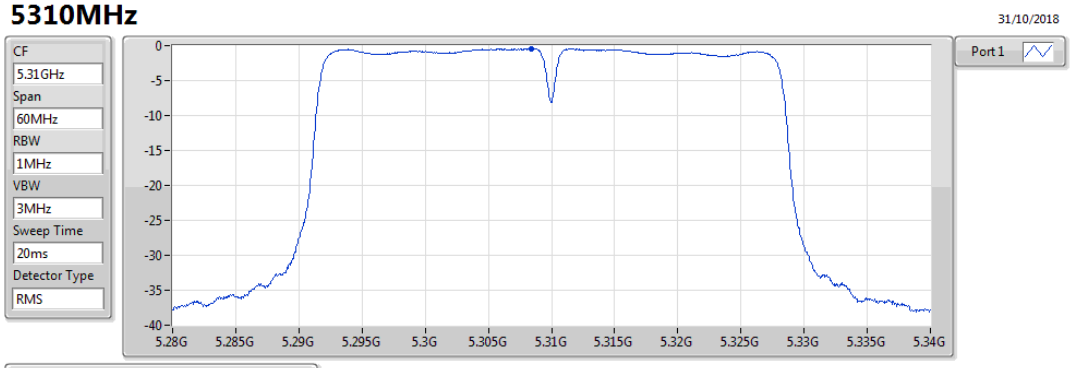
5270MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.15	4.15	4.15

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

5310MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.44	-0.44	-0.44

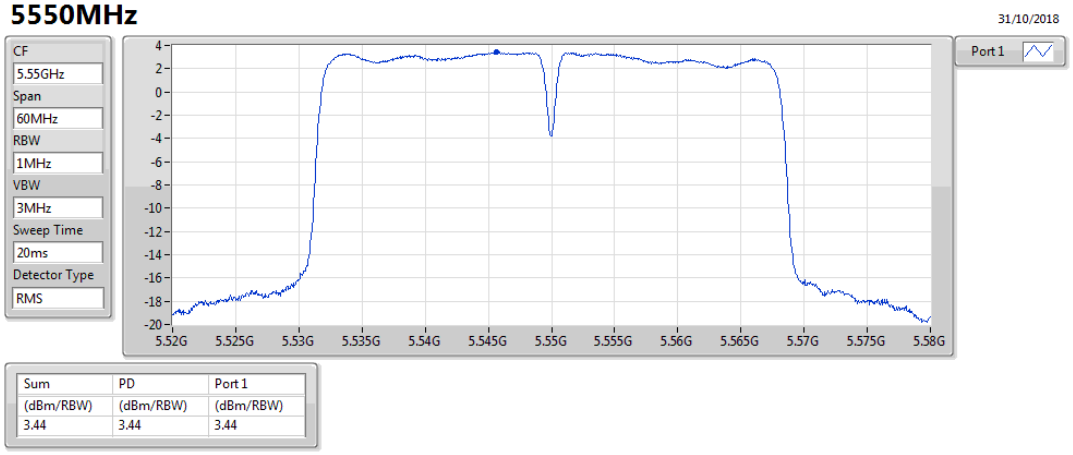
802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

5510MHz

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.09	-1.09	-1.09

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

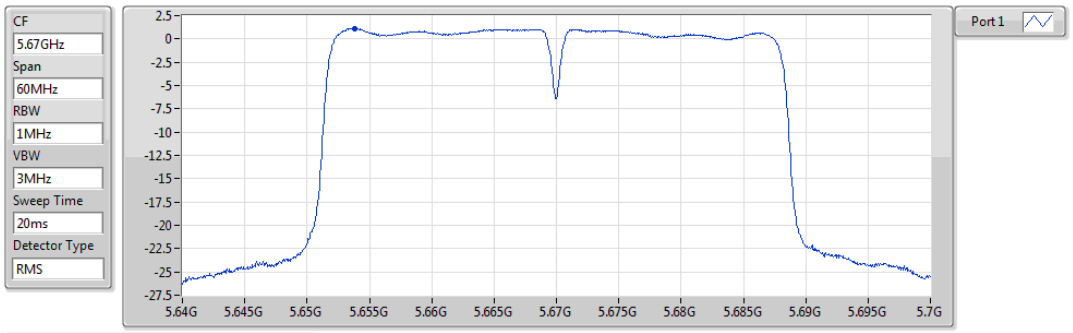
5550MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.44	3.44	3.44

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

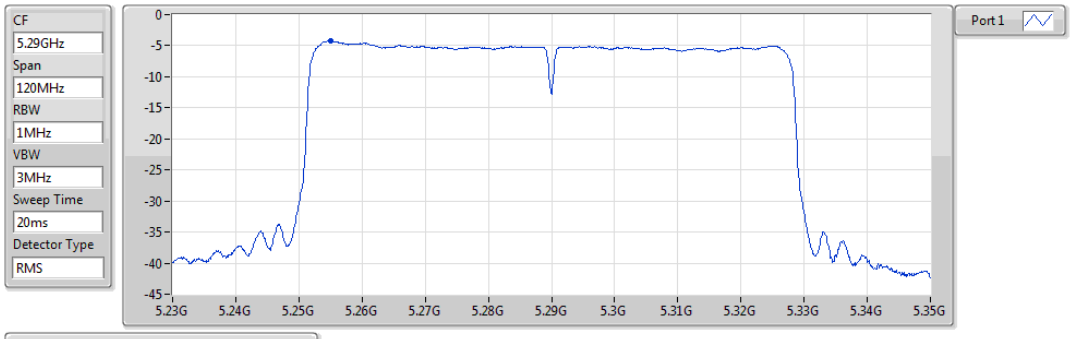
5670MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.13	1.13	1.13

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

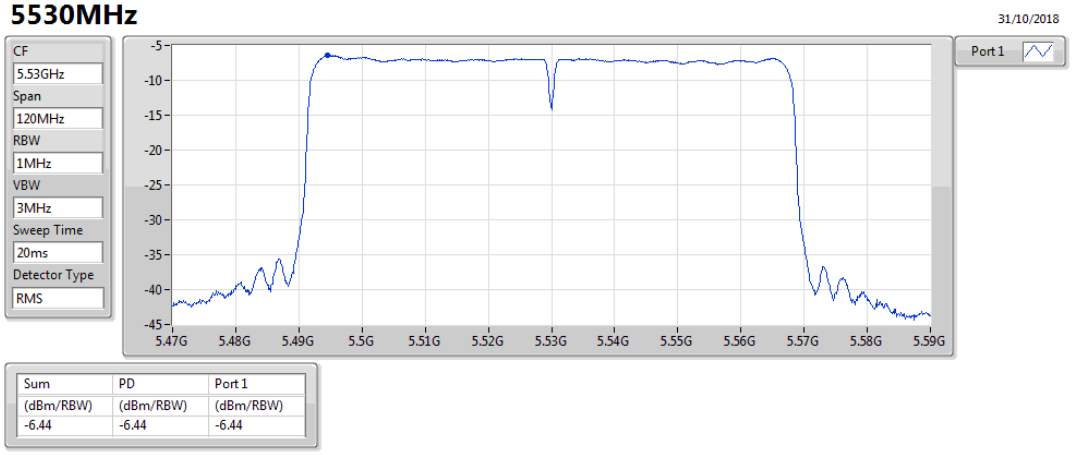
5290MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.26	-4.26	-4.26

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

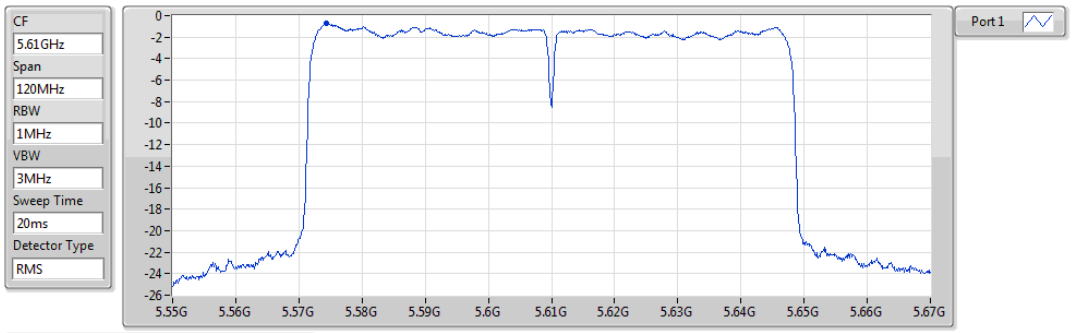
5530MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.44	-6.44	-6.44

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

5610MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.69	-0.69	-0.69

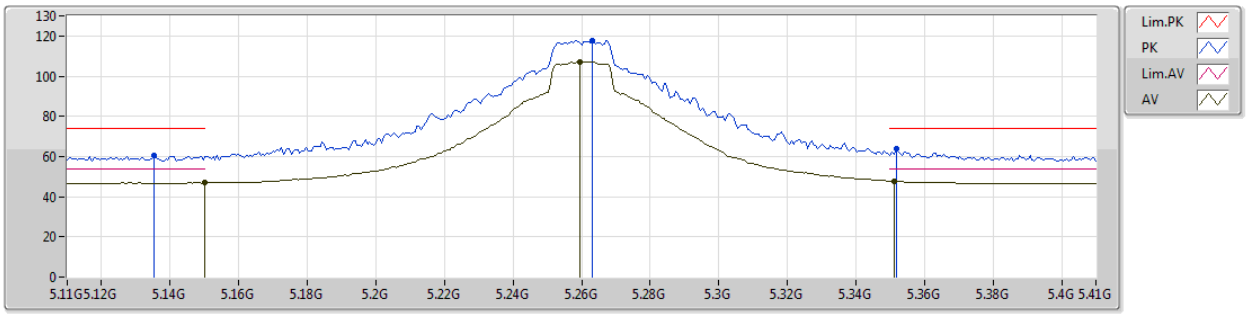
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	5.7252G	53.99	54.00	-0.01	6.79	3	Vertical	333	1.90	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

30/10/2018



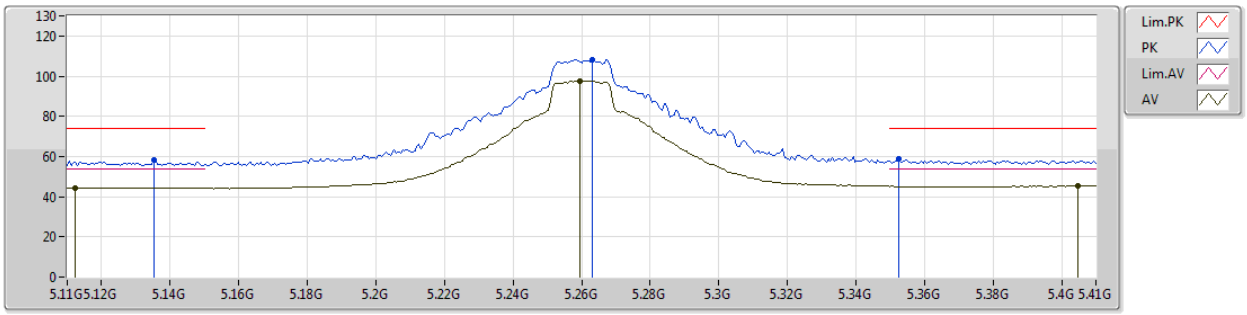
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1352G	60.47	74.00	-13.53	4.89	3	Vertical	320	2.02	-
AV	5.15G	46.99	54.00	-7.01	4.90	3	Vertical	320	2.02	-
PK	5.263G	117.62	Inf	-Inf	5.25	3	Vertical	320	2.02	-
AV	5.2594G	107.19	Inf	-Inf	5.23	3	Vertical	320	2.02	-
PK	5.3518G	63.76	74.00	-10.24	5.60	3	Vertical	320	2.02	-
AV	5.3512G	47.80	54.00	-6.20	5.60	3	Vertical	320	2.02	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

30/10/2018



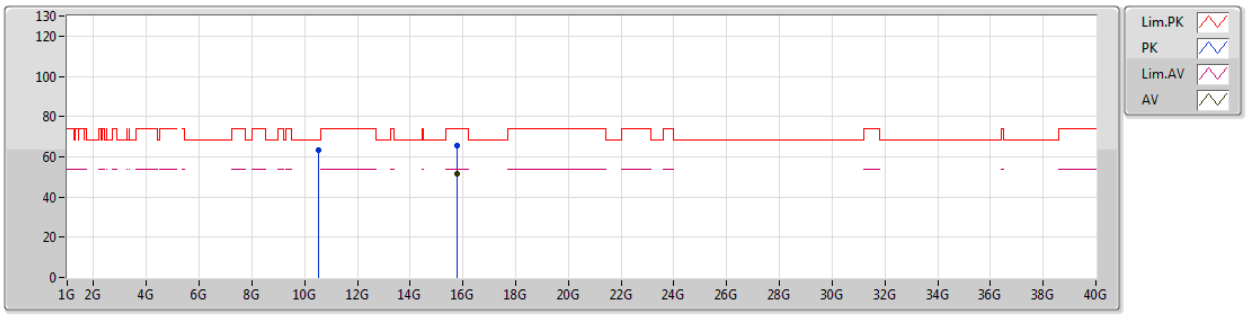
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1352G	58.00	74.00	-16.00	4.89	3	Horizontal	164	1.66	-
AV	5.1124G	44.51	54.00	-9.49	4.86	3	Horizontal	164	1.66	-
PK	5.263G	108.18	Inf	-Inf	5.25	3	Horizontal	164	1.66	-
AV	5.2594G	97.74	Inf	-Inf	5.23	3	Horizontal	164	1.66	-
PK	5.3524G	58.99	74.00	-15.01	5.61	3	Horizontal	164	1.66	-
AV	5.4046G	45.30	54.00	-8.70	5.80	3	Horizontal	164	1.66	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

30/10/2018



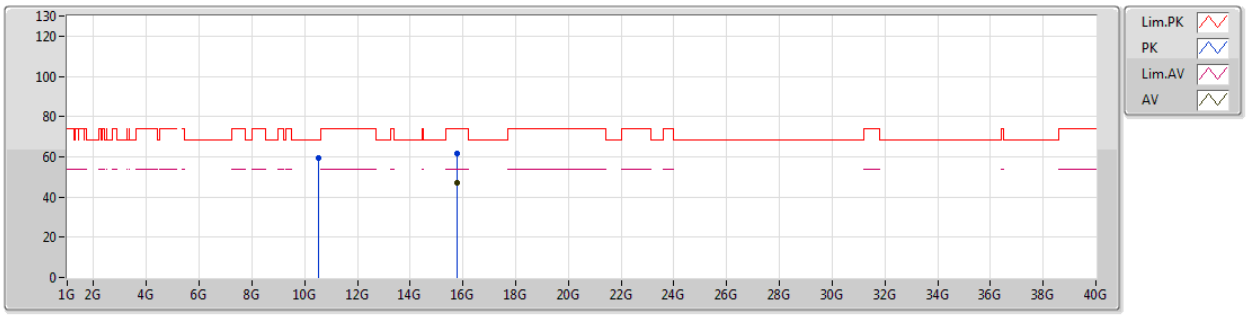
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.51436G	63.59	68.20	-4.61	12.81	3	Vertical	90	1.82	-
PK	15.77922G	65.67	74.00	-8.33	15.55	3	Vertical	233	1.71	-
AV	15.77934G	51.48	54.00	-2.52	15.55	3	Vertical	233	1.71	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

30/10/2018



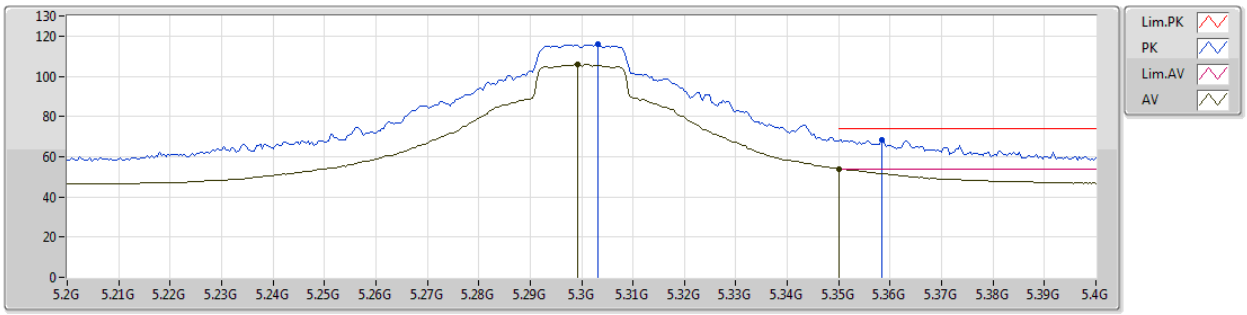
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.51448G	59.40	68.20	-8.80	12.81	3	Horizontal	104	2.58	-
PK	15.76662G	61.46	74.00	-12.54	15.57	3	Horizontal	148	2.07	-
AV	15.77922G	47.08	54.00	-6.92	15.55	3	Horizontal	148	2.07	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

29/10/2018



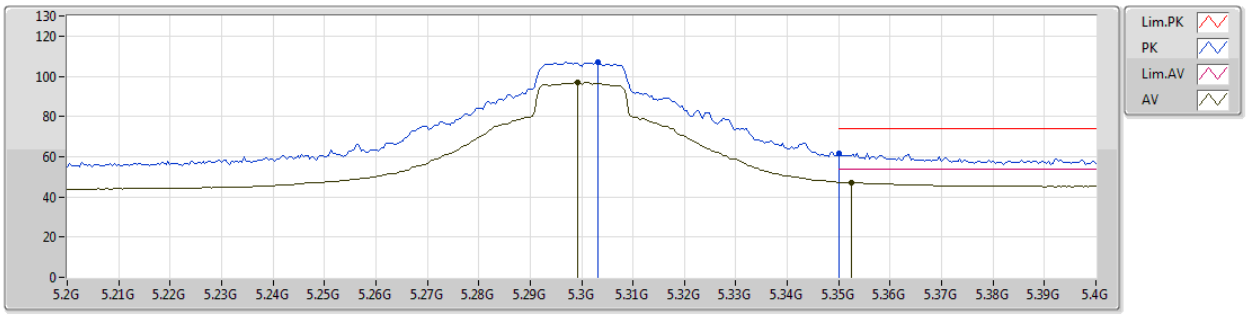
EUT Z_1TX
Setting 25
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3032G	115.99	Inf	-Inf	5.43	3	Vertical	322	1.84	-
AV	5.2992G	105.85	Inf	-Inf	5.41	3	Vertical	322	1.84	-
PK	5.3584G	68.64	74.00	-5.36	5.63	3	Vertical	322	1.84	-
AV	5.35G	53.84	54.00	-0.16	5.60	3	Vertical	322	1.84	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

29/10/2018



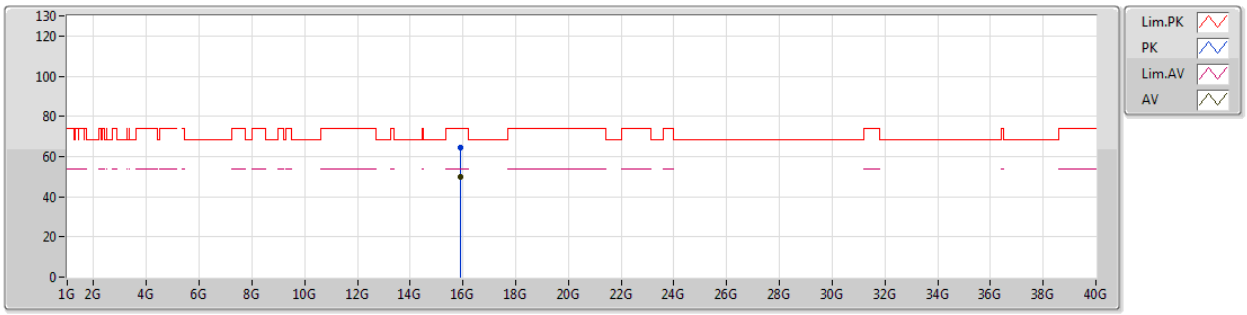
EUT Z_1TX
Setting 25
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3032G	106.91	Inf	-Inf	5.43	3	Horizontal	163	1.46	-
AV	5.2992G	96.90	Inf	-Inf	5.41	3	Horizontal	163	1.46	-
PK	5.35G	61.62	74.00	-12.38	5.60	3	Horizontal	163	1.46	-
AV	5.3524G	47.18	54.00	-6.82	5.61	3	Horizontal	163	1.46	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

29/10/2018



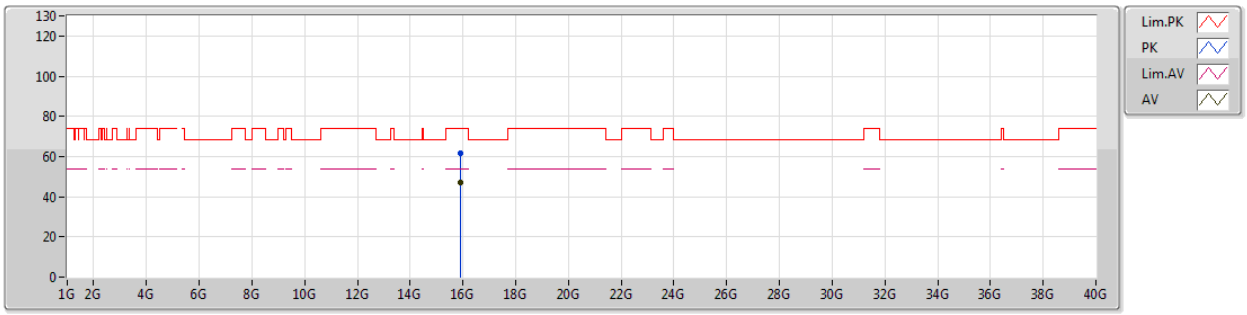
EUT Z_1TX
Setting 25
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.8948G	64.50	74.00	-9.50	15.37	3	Vertical	112	1.77	-
AV	15.8996G	50.15	54.00	-3.85	15.36	3	Vertical	112	1.77	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

29/10/2018



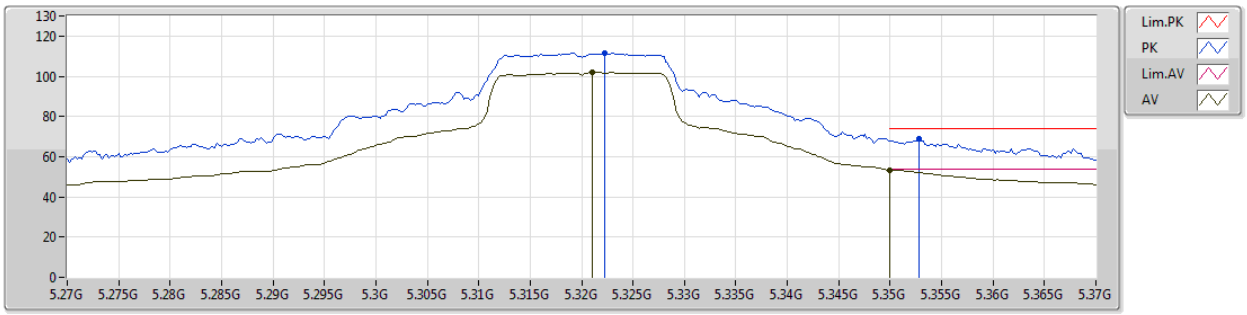
EUT Z_1TX
Setting 25
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.8901G	61.41	74.00	-12.59	15.37	3	Horizontal	142	1.65	-
AV	15.8997G	46.96	54.00	-7.04	15.36	3	Horizontal	142	1.65	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

29/10/2018



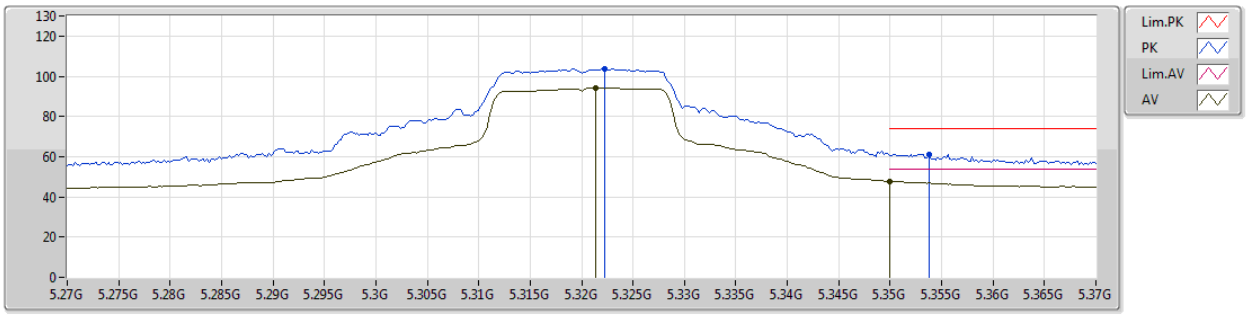
EUT Z_1TX
Setting 17
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3222G	111.48	Inf	-Inf	5.50	3	Vertical	317	2.04	-
AV	5.321G	101.81	Inf	-Inf	5.49	3	Vertical	317	2.04	-
PK	5.3528G	68.74	74.00	-5.26	5.61	3	Vertical	317	2.04	-
AV	5.35G	53.40	54.00	-0.60	5.60	3	Vertical	317	2.04	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

29/10/2018



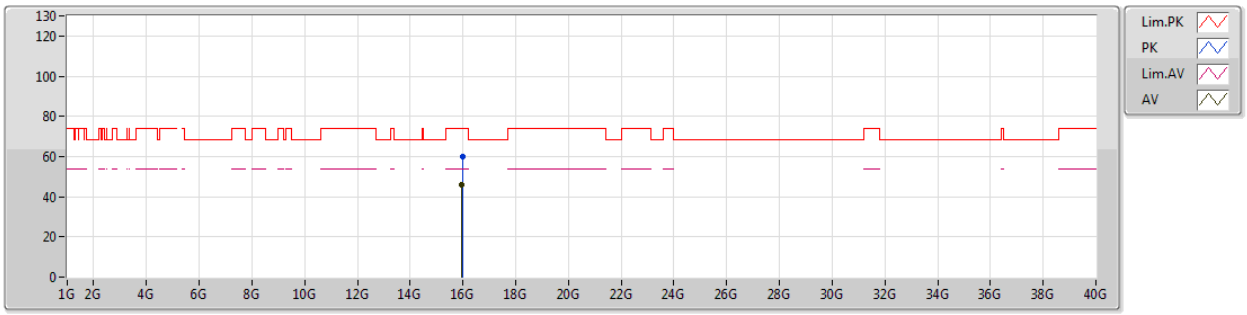
EUT Z_1TX
Setting 17
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3222G	103.63	Inf	-Inf	5.50	3	Horizontal	164	1.86	-
AV	5.3214G	94.03	Inf	-Inf	5.49	3	Horizontal	164	1.86	-
PK	5.3538G	61.28	74.00	-12.72	5.62	3	Horizontal	164	1.86	-
AV	5.35G	47.72	54.00	-6.28	5.60	3	Horizontal	164	1.86	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

29/10/2018



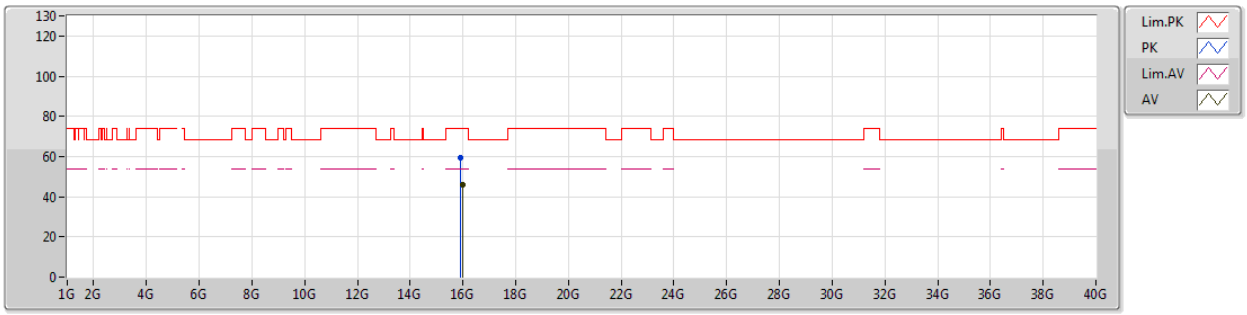
EUT Z_1TX
Setting 17
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.9798G	59.70	74.00	-14.30	15.23	3	Vertical	166	1.06	-
AV	15.9694G	45.92	54.00	-8.08	15.26	3	Vertical	166	1.06	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

29/10/2018



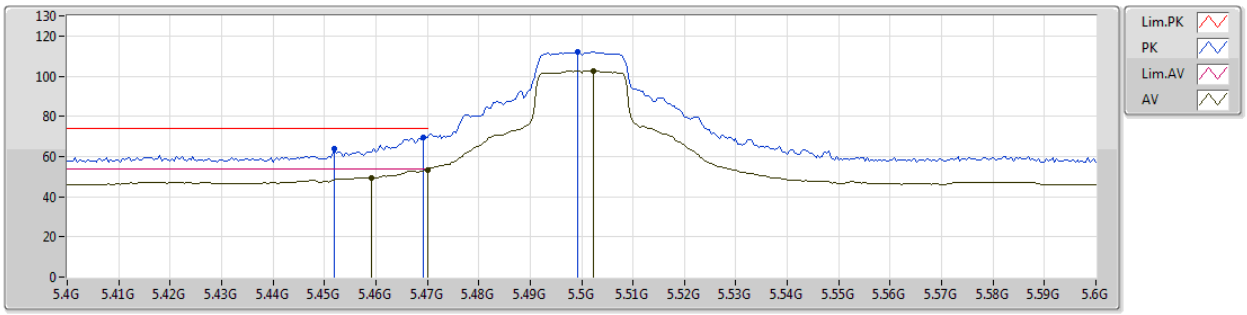
EUT Z_1TX
Setting 17
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.92G	59.35	74.00	-14.65	15.33	3	Horizontal	249	1.57	-
AV	15.9764G	45.77	54.00	-8.23	15.24	3	Horizontal	249	1.57	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

29/10/2018



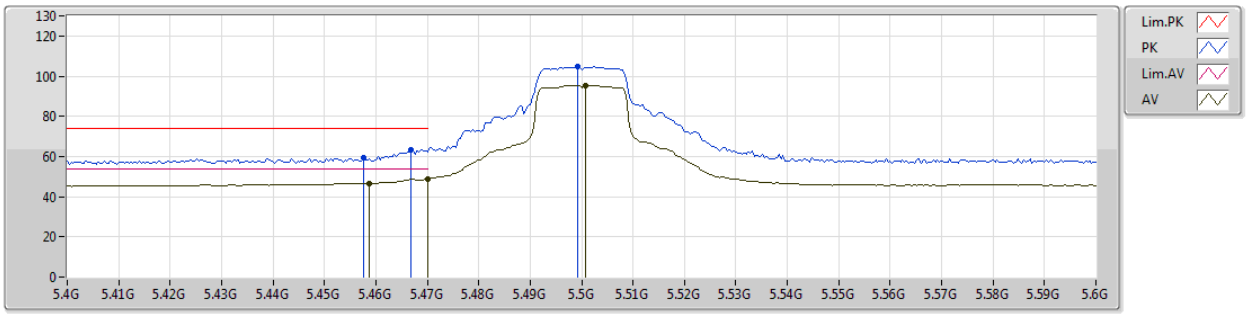
EUT Z_1TX
Setting 16
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.452G	63.72	74.00	-10.28	5.90	3	Vertical	314	2.07	-
AV	5.4592G	49.49	54.00	-4.51	5.91	3	Vertical	314	2.07	-
PK	5.4692G	69.41	74.00	-4.59	5.93	3	Vertical	314	2.07	-
AV	5.47G	53.42	54.00	-0.58	5.93	3	Vertical	314	2.07	-
PK	5.4992G	112.08	Inf	-Inf	6.00	3	Vertical	314	2.07	-
AV	5.5024G	102.48	Inf	-Inf	6.01	3	Vertical	314	2.07	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

29/10/2018



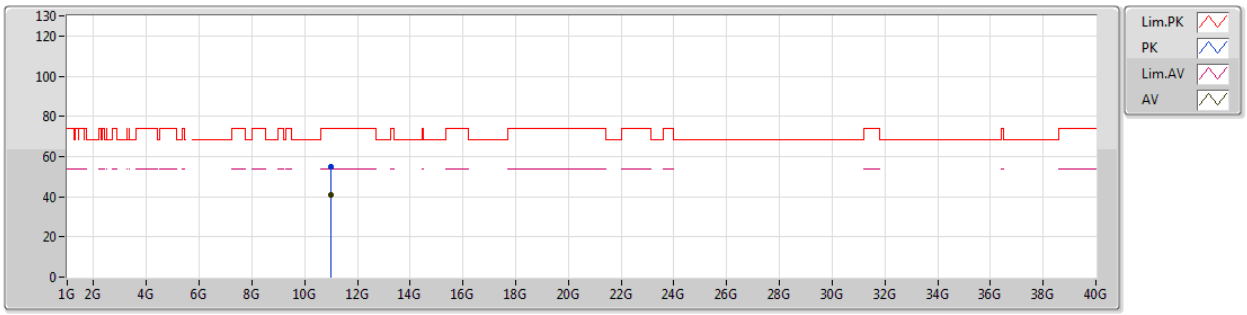
EUT Z_1TX
Setting 16
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4576G	59.50	74.00	-14.50	5.91	3	Horizontal	165	1.74	-
AV	5.4588G	46.73	54.00	-7.27	5.91	3	Horizontal	165	1.74	-
PK	5.4668G	63.36	74.00	-10.64	5.93	3	Horizontal	165	1.74	-
AV	5.47G	48.84	54.00	-5.16	5.93	3	Horizontal	165	1.74	-
PK	5.4992G	104.70	Inf	-Inf	6.00	3	Horizontal	165	1.74	-
AV	5.5008G	95.21	Inf	-Inf	6.00	3	Horizontal	165	1.74	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

29/10/2018



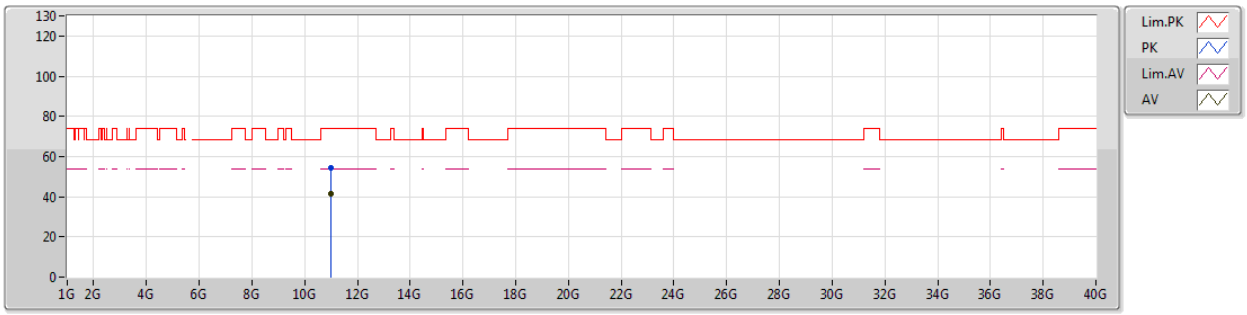
EUT Z_1TX
Setting 16
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.99995G	54.92	74.00	-19.08	13.28	3	Vertical	79	2.02	-
AV	10.99997G	41.09	54.00	-12.91	13.28	3	Vertical	79	2.02	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

29/10/2018



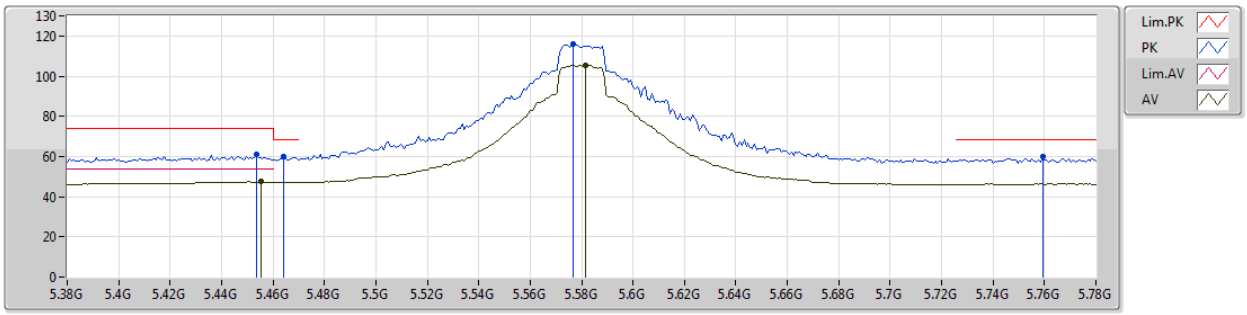
EUT Z_1TX
Setting 16
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.9904G	54.13	74.00	-19.87	13.27	3	Horizontal	122	1.71	-
AV	11G	41.27	54.00	-12.73	13.28	3	Horizontal	122	1.71	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

29/10/2018



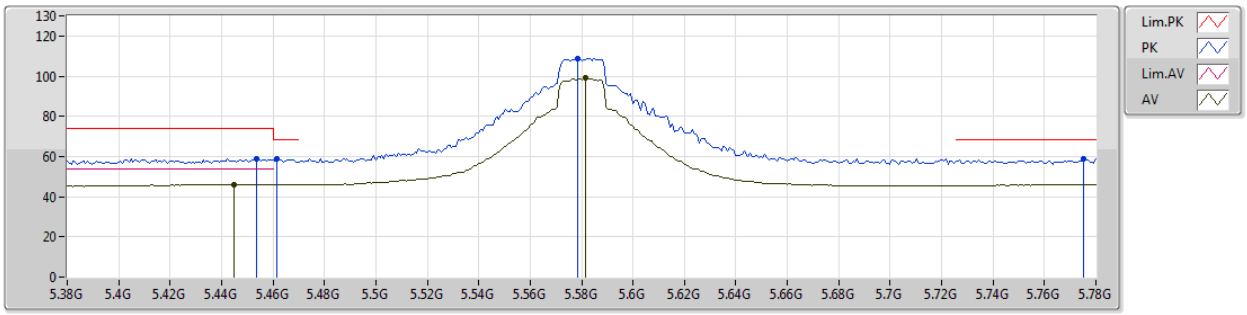
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4536G	60.80	74.00	-13.20	5.90	3	Vertical	263	2.02	-
AV	5.4552G	47.37	54.00	-6.63	5.90	3	Vertical	263	2.02	-
PK	5.464G	60.00	68.20	-8.20	5.92	3	Vertical	263	2.02	-
PK	5.5768G	115.80	Inf	-Inf	6.21	3	Vertical	263	2.02	-
AV	5.5816G	105.44	Inf	-Inf	6.22	3	Vertical	263	2.02	-
PK	5.7592G	59.81	68.20	-8.39	6.93	3	Vertical	263	2.02	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

29/10/2018



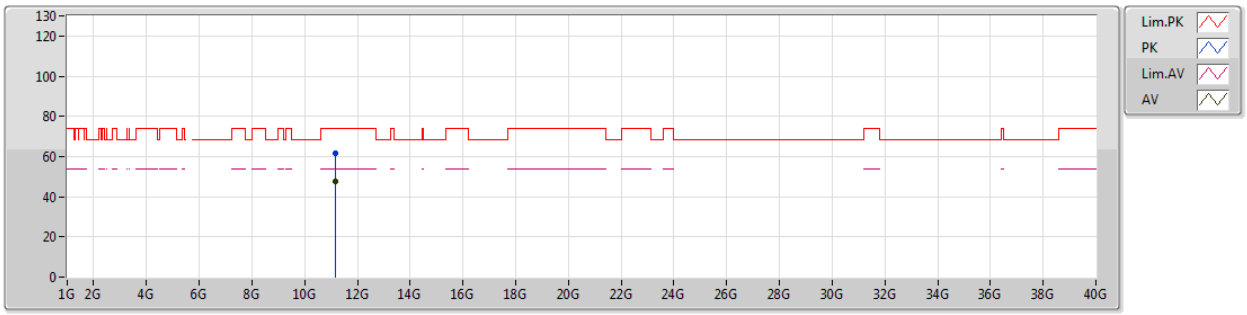
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4536G	58.67	74.00	-15.33	5.90	3	Horizontal	166	1.66	-
AV	5.4448G	46.08	54.00	-7.92	5.89	3	Horizontal	166	1.66	-
PK	5.4616G	58.73	68.20	-9.47	5.92	3	Horizontal	166	1.66	-
PK	5.5784G	108.74	Inf	-Inf	6.21	3	Horizontal	166	1.66	-
AV	5.5816G	98.97	Inf	-Inf	6.22	3	Horizontal	166	1.66	-
PK	5.7752G	58.79	68.20	-9.41	6.99	3	Horizontal	166	1.66	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

29/10/2018



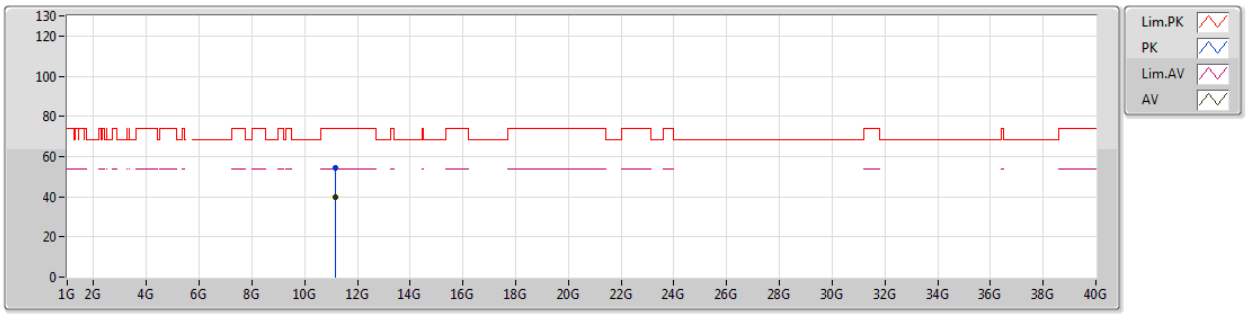
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.1606G	61.81	74.00	-12.19	13.29	3	Vertical	276	1.68	-
AV	11.16016G	47.40	54.00	-6.60	13.29	3	Vertical	276	1.68	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

29/10/2018



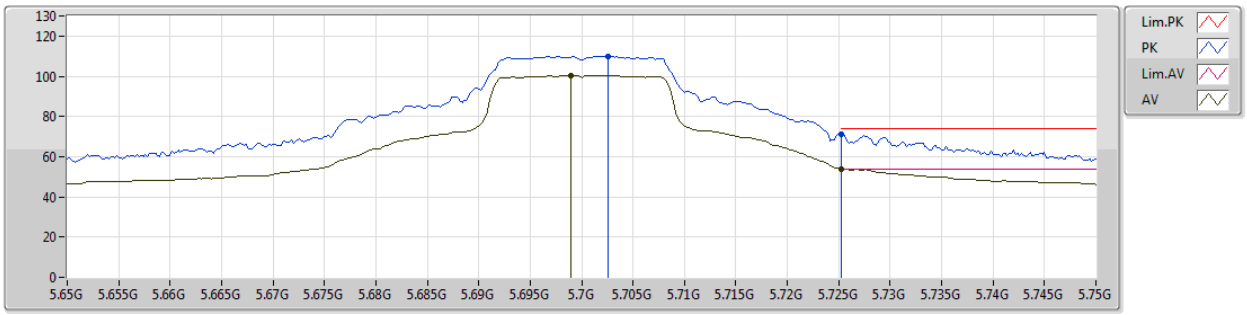
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.16912G	54.21	74.00	-19.79	13.29	3	Horizontal	230	2.00	-
AV	11.1676G	39.99	54.00	-14.01	13.29	3	Horizontal	230	2.00	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

29/10/2018



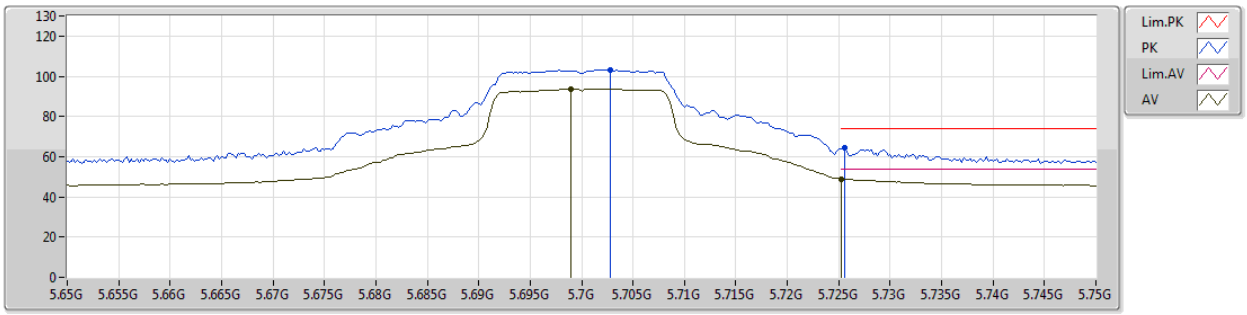
EUT Z_1TX
Setting 16
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.7026G	110.02	Inf	-Inf	6.69	3	Vertical	333	1.90	-
AV	5.699G	100.56	Inf	-Inf	6.68	3	Vertical	333	1.90	-
PK	5.7252G	71.14	74.00	-2.86	6.79	3	Vertical	333	1.90	-
AV	5.7252G	53.99	54.00	-0.01	6.79	3	Vertical	333	1.90	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

29/10/2018



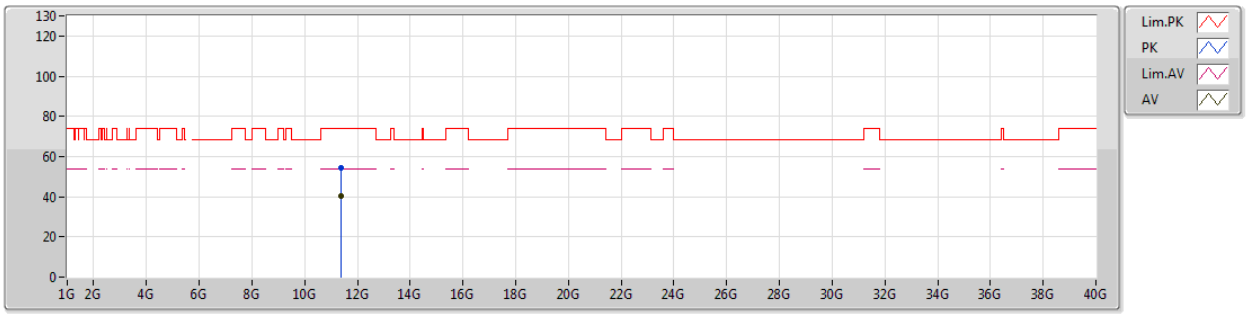
EUT Z_1TX
Setting 16
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.7028G	103.27	Inf	-Inf	6.69	3	Horizontal	169	2.35	-
AV	5.699G	93.71	Inf	-Inf	6.68	3	Horizontal	169	2.35	-
PK	5.7256G	64.46	74.00	-9.54	6.79	3	Horizontal	169	2.35	-
AV	5.7252G	48.93	54.00	-5.07	6.79	3	Horizontal	169	2.35	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

29/10/2018



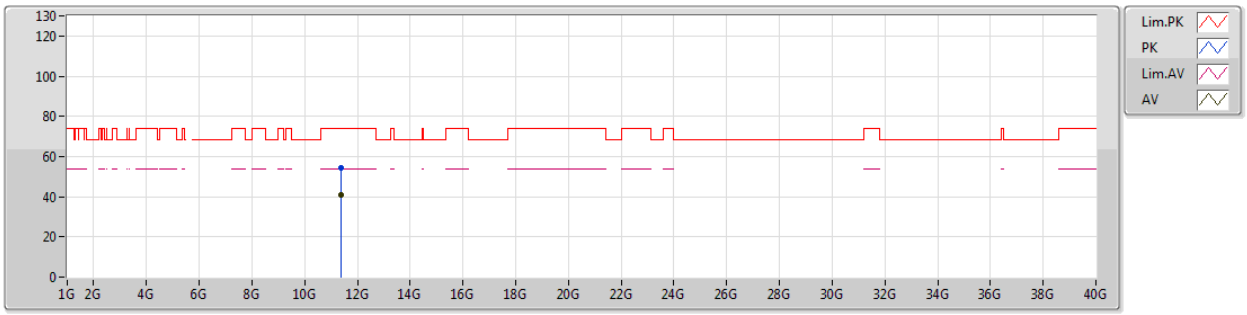
EUT Z_1TX
Setting 16
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.40132G	54.08	74.00	-19.92	13.32	3	Vertical	208	2.31	-
AV	11.39995G	40.09	54.00	-13.91	13.32	3	Vertical	208	2.31	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

29/10/2018



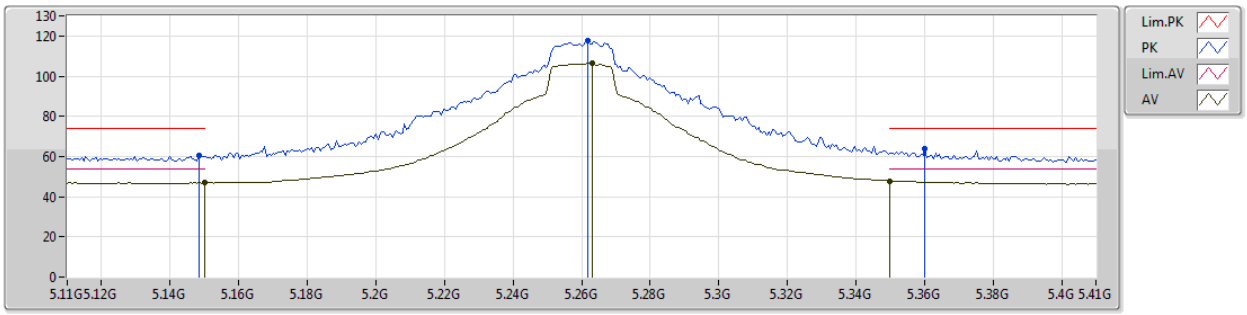
EUT Z_1TX
Setting 16
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.40004G	54.25	74.00	-19.75	13.32	3	Horizontal	156	1.71	-
AV	11.40004G	40.91	54.00	-13.09	13.32	3	Horizontal	156	1.71	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5260MHz_TX

30/10/2018



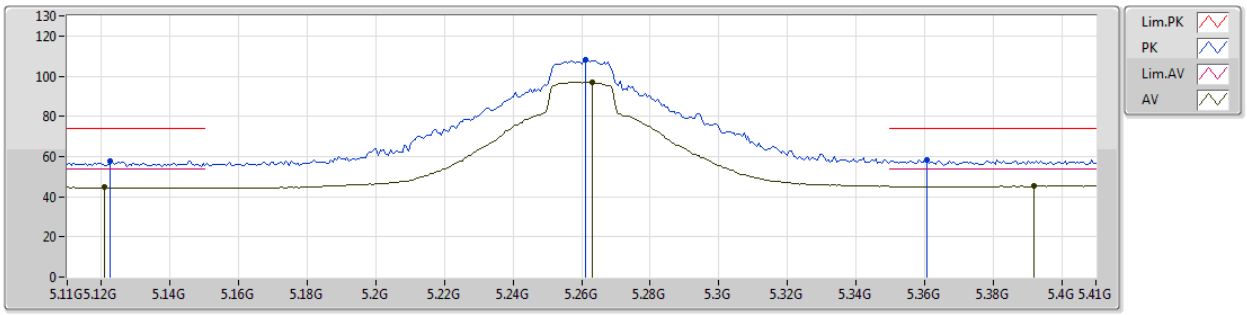
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1484G	60.74	74.00	-13.26	4.90	3	Vertical	321	1.94	-
AV	5.15G	46.86	54.00	-7.14	4.90	3	Vertical	321	1.94	-
PK	5.2618G	117.45	Inf	-Inf	5.23	3	Vertical	321	1.94	-
AV	5.263G	106.43	Inf	-Inf	5.25	3	Vertical	321	1.94	-
PK	5.3602G	63.82	74.00	-10.18	5.64	3	Vertical	321	1.94	-
AV	5.35G	47.72	54.00	-6.28	5.60	3	Vertical	321	1.94	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5260MHz_TX

30/10/2018



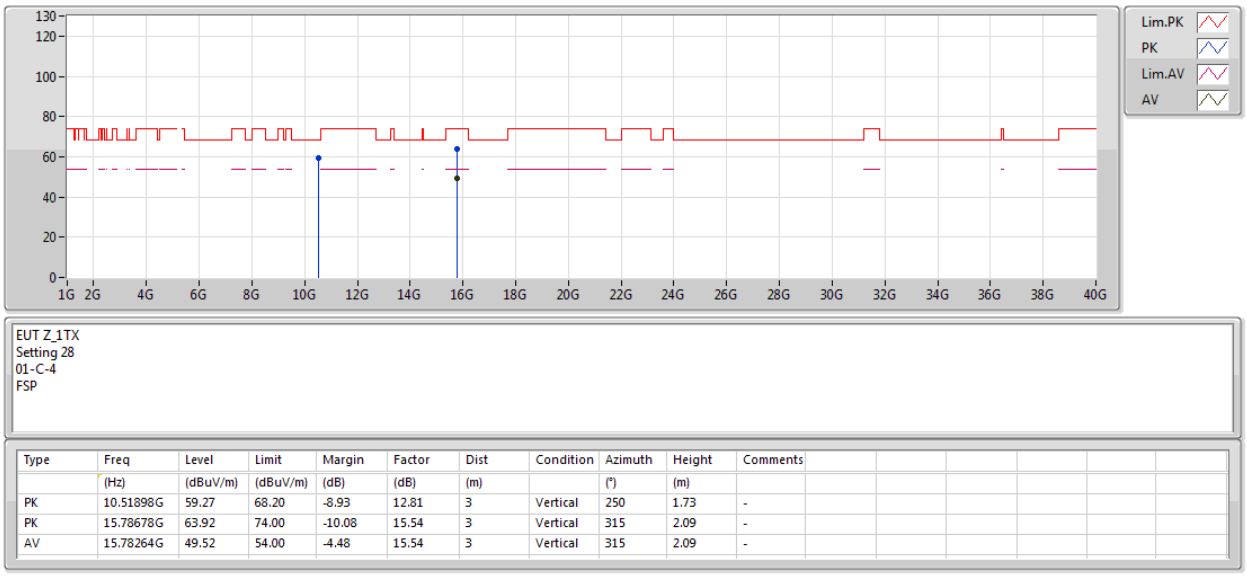
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1208G	44.56	54.00	-9.44	4.86	3	Horizontal	163	1.58	-
PK	5.1226G	57.59	74.00	-16.41	4.87	3	Horizontal	163	1.58	-
AV	5.263G	97.13	Inf	-Inf	5.25	3	Horizontal	163	1.58	-
PK	5.2612G	108.22	Inf	-Inf	5.23	3	Horizontal	163	1.58	-
AV	5.392G	45.25	54.00	-8.75	5.76	3	Horizontal	163	1.58	-
PK	5.3608G	58.46	74.00	-15.54	5.64	3	Horizontal	163	1.58	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5260MHz_TX

30/10/2018



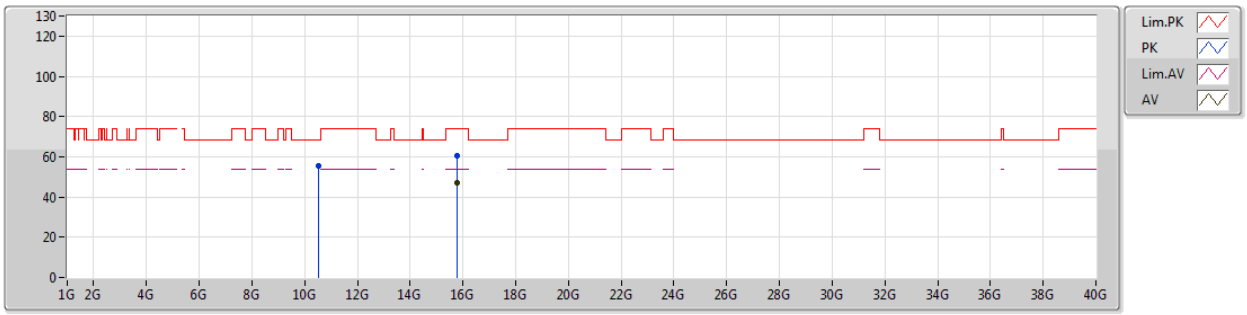
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.51898G	59.27	68.20	-8.93	12.81	3	Vertical	250	1.73	-
PK	15.78678G	63.92	74.00	-10.08	15.54	3	Vertical	315	2.09	-
AV	15.78264G	49.52	54.00	-4.48	15.54	3	Vertical	315	2.09	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5260MHz_TX

30/10/2018



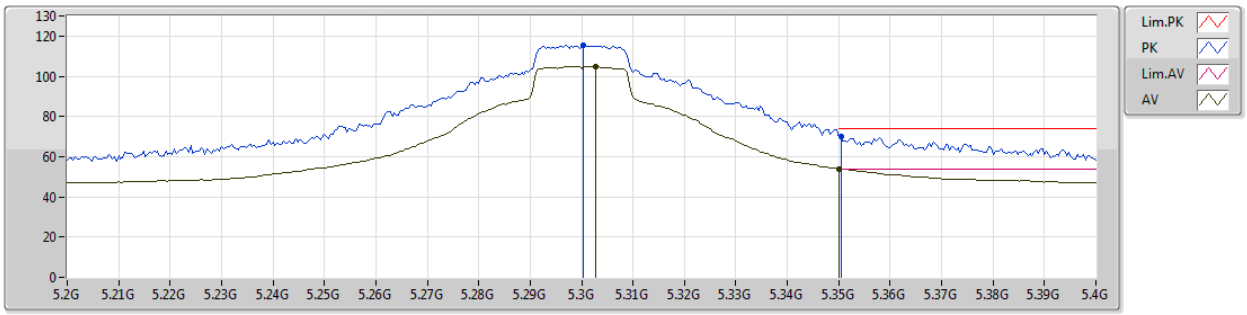
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.52084G	55.32	68.20	-12.88	12.81	3	Horizontal	267	1.42	-
PK	15.79116G	60.32	74.00	-13.68	15.52	3	Horizontal	317	1.38	-
AV	15.7908G	46.99	54.00	-7.01	15.52	3	Horizontal	317	1.38	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5300MHz_TX

30/10/2018



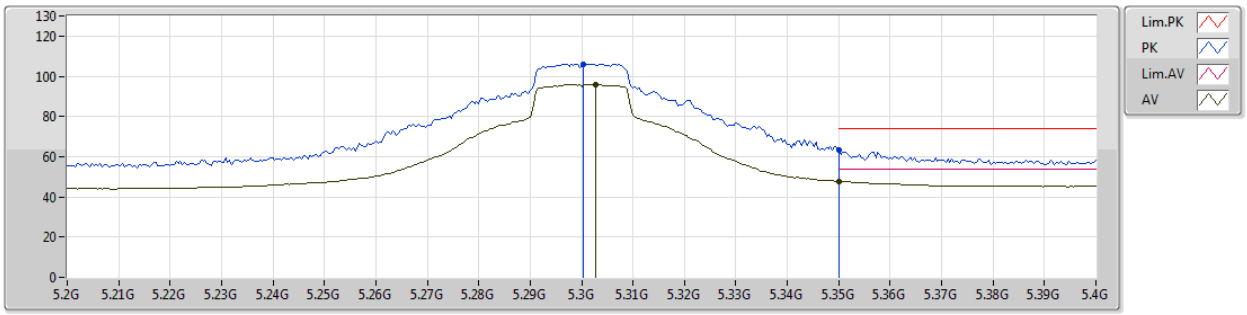
EUT Z_1TX
Setting 24
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3004G	115.27	Inf	-Inf	5.41	3	Vertical	323	2.09	-
AV	5.3028G	104.85	Inf	-Inf	5.42	3	Vertical	323	2.09	-
PK	5.3504G	69.78	74.00	-4.22	5.60	3	Vertical	323	2.09	-
AV	5.35G	53.98	54.00	-0.02	5.60	3	Vertical	323	2.09	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5300MHz_TX

30/10/2018



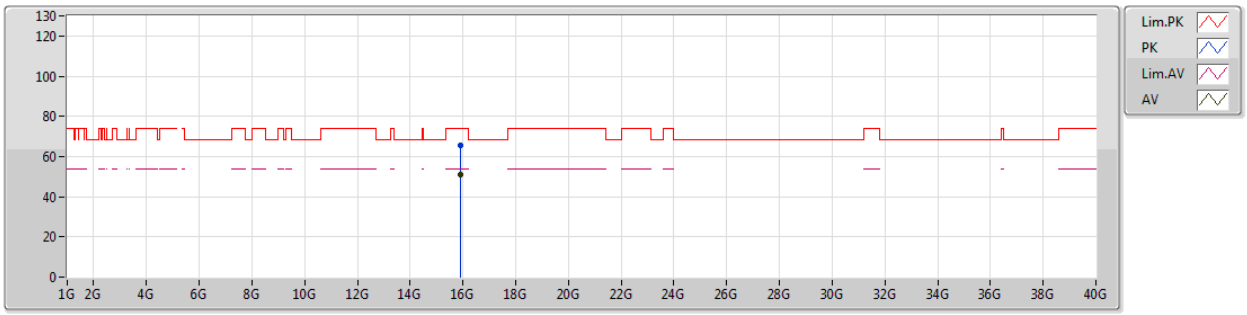
EUT Z_1TX
Setting 24
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3004G	106.16	Inf	-Inf	5.41	3	Horizontal	162	1.50	-
AV	5.3028G	95.95	Inf	-Inf	5.42	3	Horizontal	162	1.50	-
PK	5.35G	63.12	74.00	-10.88	5.60	3	Horizontal	162	1.50	-
AV	5.35G	47.57	54.00	-6.43	5.60	3	Horizontal	162	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5300MHz_TX

30/10/2018



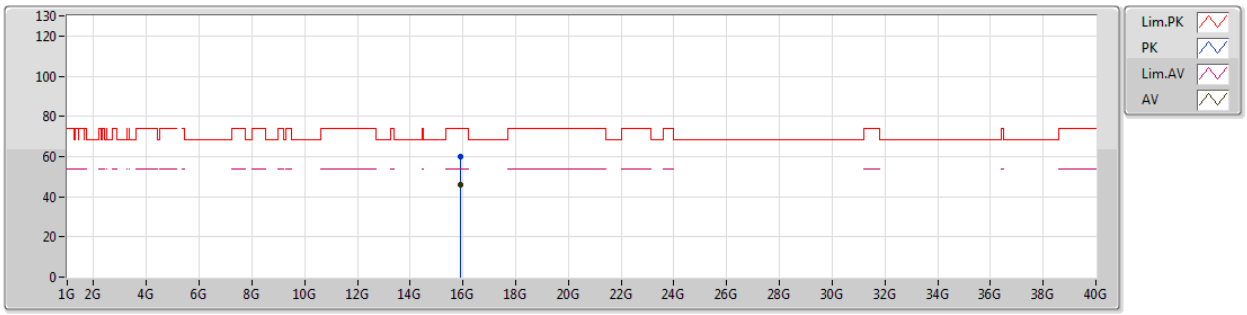
EUT Z_1TX
Setting 24
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.896G	65.64	74.00	-8.36	15.37	3	Vertical	88	2.06	-
AV	15.89672G	50.79	54.00	-3.21	15.36	3	Vertical	88	2.06	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5300MHz_TX

30/10/2018



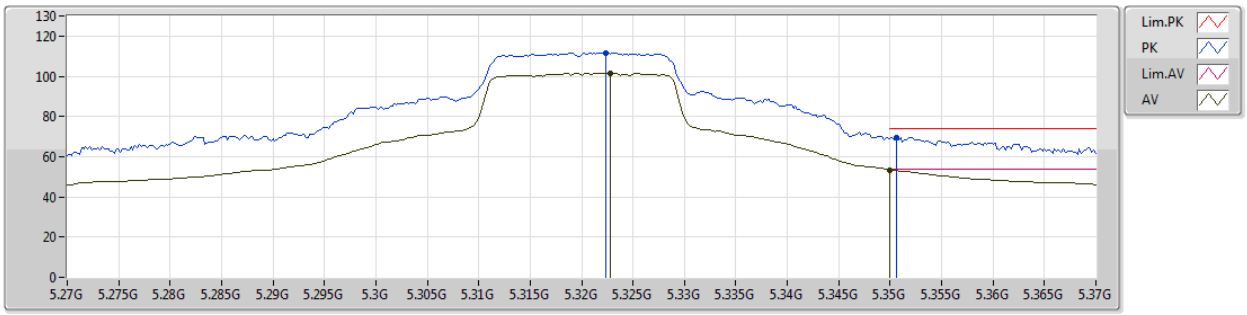
EUT Z_1TX
Setting 24
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.89304G	59.96	74.00	-14.04	15.37	3	Horizontal	48	1.34	-
AV	15.89564G	46.14	54.00	-7.86	15.37	3	Horizontal	48	1.34	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5320MHz_TX

30/10/2018



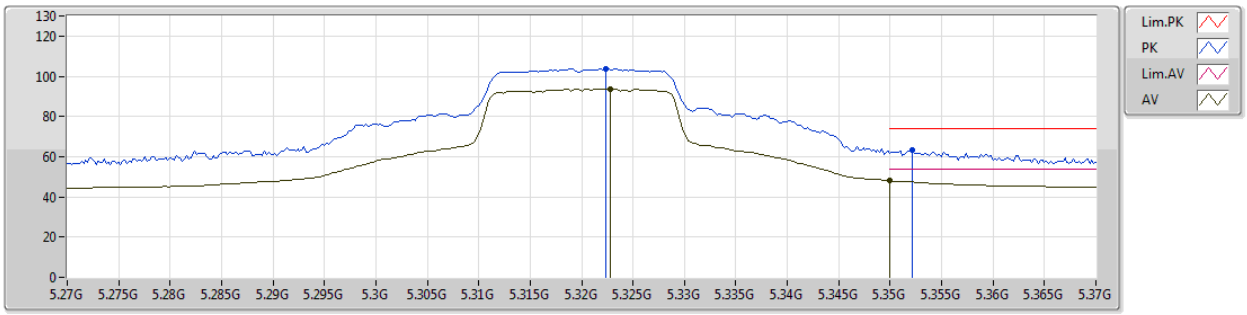
EUT Z_1TX
Setting 17
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3224G	111.60	Inf	-Inf	5.50	3	Vertical	320	2.11	-
AV	5.3228G	101.67	Inf	-Inf	5.50	3	Vertical	320	2.11	-
PK	5.3506G	69.76	74.00	-4.24	5.60	3	Vertical	320	2.11	-
AV	5.35G	53.45	54.00	-0.55	5.60	3	Vertical	320	2.11	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5320MHz_TX

30/10/2018



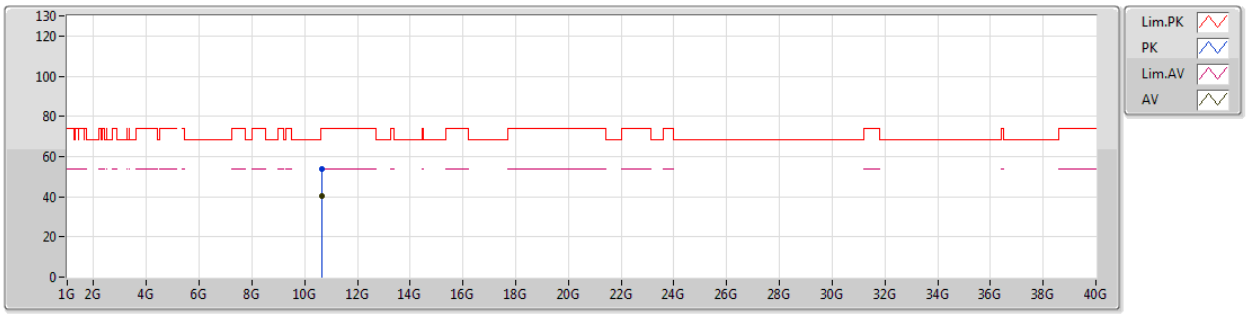
EUT Z_1TX
Setting 17
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3224G	103.58	Inf	-Inf	5.50	3	Horizontal	165	1.85	-
AV	5.3228G	93.84	Inf	-Inf	5.50	3	Horizontal	165	1.85	-
PK	5.3522G	63.37	74.00	-10.63	5.60	3	Horizontal	165	1.85	-
AV	5.35G	47.97	54.00	-6.03	5.60	3	Horizontal	165	1.85	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5320MHz_TX

30/10/2018



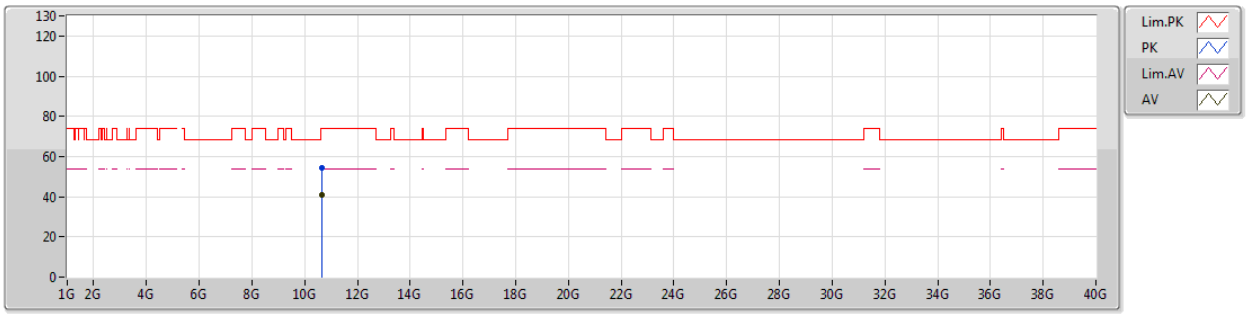
EUT Z_1TX
Setting 17
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.6433G	53.96	74.00	-20.04	12.93	3	Vertical	132	1.37	-
AV	10.64G	40.41	54.00	-13.59	12.93	3	Vertical	132	1.37	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5320MHz_TX

30/10/2018



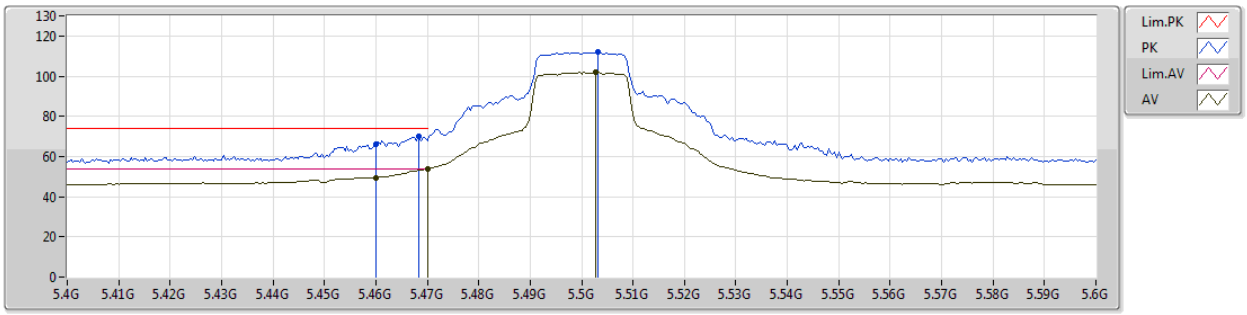
EUT Z_1TX
Setting 17
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.6386G	54.62	74.00	-19.38	12.93	3	Horizontal	34	2.05	-
AV	10.6399G	40.72	54.00	-13.28	12.93	3	Horizontal	34	2.05	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5500MHz_TX

30/10/2018



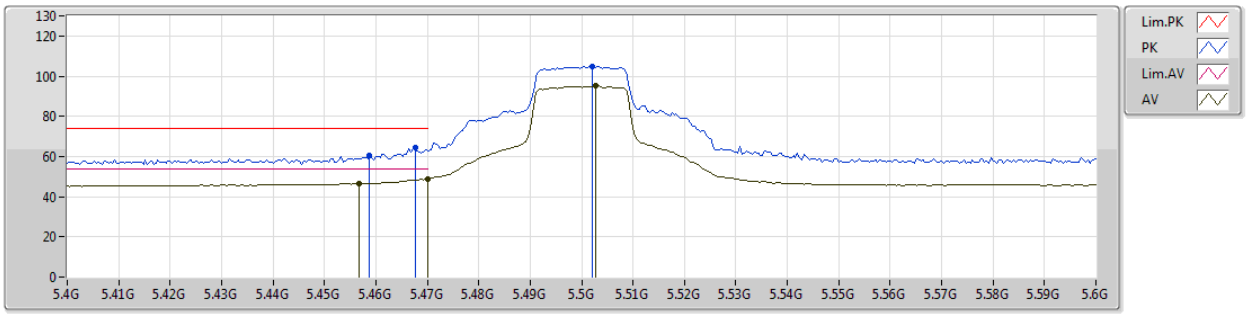
EUT Z_1TX
Setting 16
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.46G	66.39	74.00	-7.61	5.91	3	Vertical	315	2.07	-
AV	5.46G	49.51	54.00	-4.49	5.91	3	Vertical	315	2.07	-
PK	5.4684G	70.28	74.00	-3.72	5.93	3	Vertical	315	2.07	-
AV	5.47G	53.88	54.00	-0.12	5.93	3	Vertical	315	2.07	-
PK	5.5032G	111.85	Inf	-Inf	6.01	3	Vertical	315	2.07	-
AV	5.5028G	101.97	Inf	-Inf	6.01	3	Vertical	315	2.07	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5500MHz_TX

30/10/2018



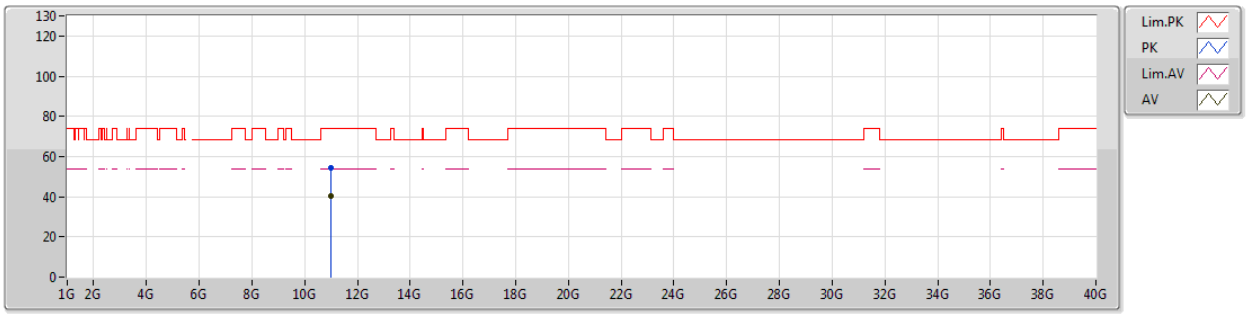
EUT Z_1TX
Setting 16
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4588G	60.47	74.00	-13.53	5.91	3	Horizontal	167	1.82	-
AV	5.4568G	46.55	54.00	-7.45	5.91	3	Horizontal	167	1.82	-
PK	5.4676G	64.36	74.00	-9.64	5.93	3	Horizontal	167	1.82	-
AV	5.47G	48.93	54.00	-5.07	5.93	3	Horizontal	167	1.82	-
PK	5.502G	104.75	Inf	-Inf	6.01	3	Horizontal	167	1.82	-
AV	5.5028G	94.98	Inf	-Inf	6.01	3	Horizontal	167	1.82	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5500MHz_TX

30/10/2018



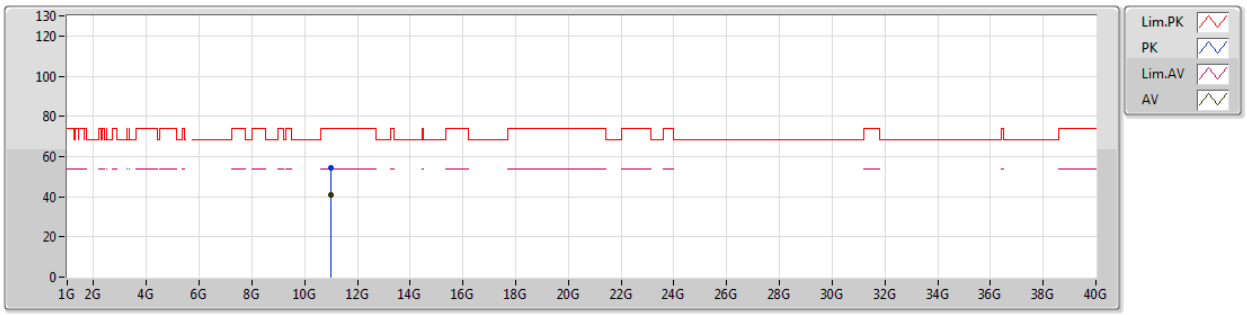
EUT Z_1TX
Setting 16
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.99328G	54.11	74.00	-19.89	13.27	3	Vertical	205	1.50	-
AV	10.99996G	40.33	54.00	-13.67	13.28	3	Vertical	205	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5500MHz_TX

30/10/2018



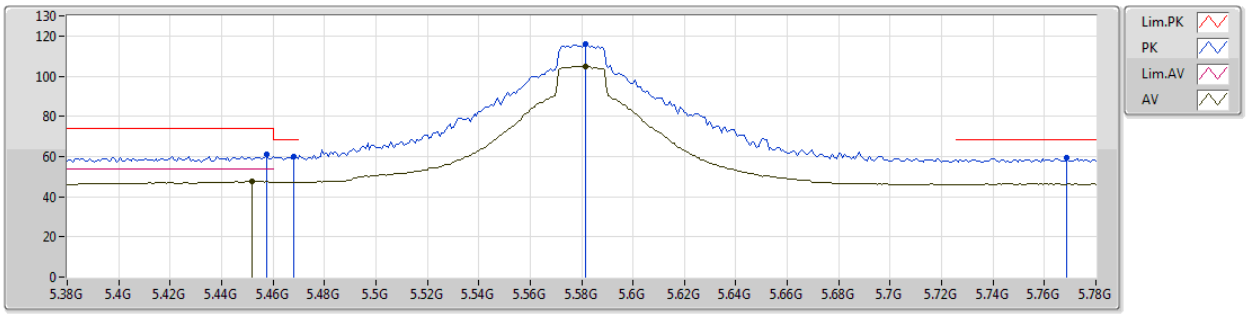
EUT Z_1TX
Setting 16
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.00736G	54.14	74.00	-19.86	13.28	3	Horizontal	117	2.00	-
AV	10.99988G	40.78	54.00	-13.22	13.28	3	Horizontal	117	2.00	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5580MHz_TX

30/10/2018



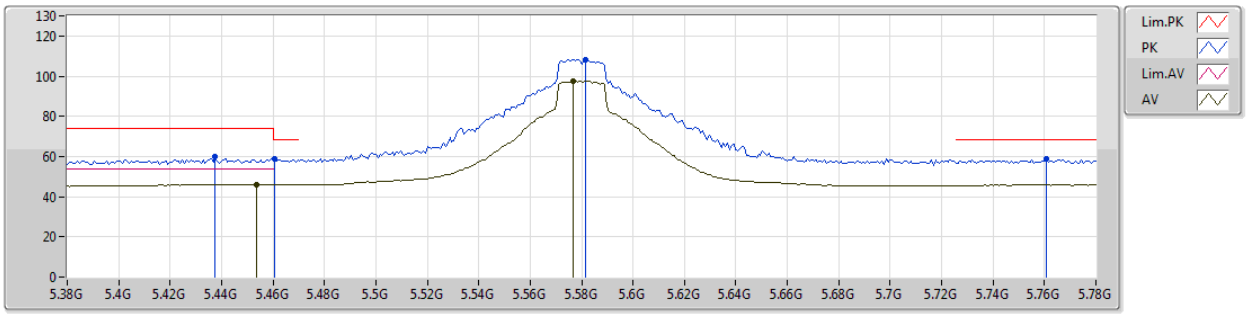
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4576G	60.95	74.00	-13.05	5.91	3	Vertical	266	2.12	-
AV	5.452G	47.45	54.00	-6.55	5.90	3	Vertical	266	2.12	-
PK	5.468G	59.75	68.20	-8.45	5.93	3	Vertical	266	2.12	-
PK	5.5816G	115.84	Inf	-Inf	6.22	3	Vertical	266	2.12	-
AV	5.5816G	105.02	Inf	-Inf	6.22	3	Vertical	266	2.12	-
PK	5.7688G	59.26	68.20	-8.94	6.96	3	Vertical	266	2.12	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5580MHz_TX

30/10/2018



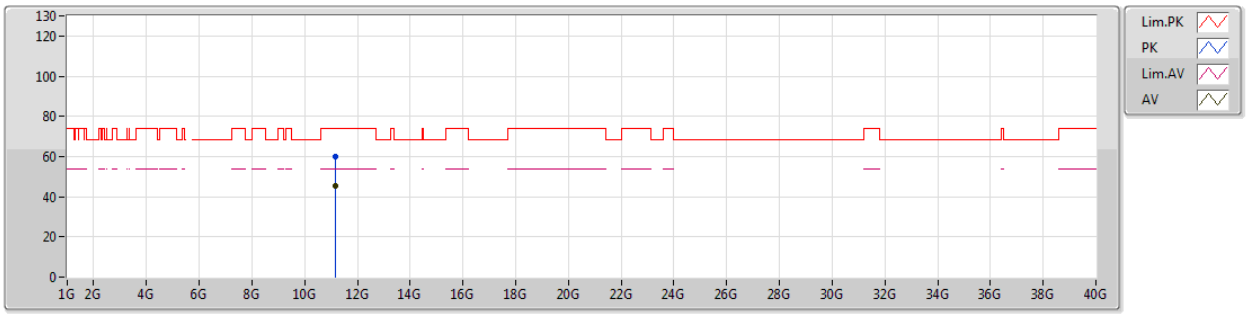
EUT Z_1TX
Setting 28
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4376G	60.14	74.00	-13.86	5.87	3	Horizontal	164	1.70	-
AV	5.4536G	46.14	54.00	-7.86	5.90	3	Horizontal	164	1.70	-
PK	5.4608G	58.72	68.20	-9.48	5.92	3	Horizontal	164	1.70	-
PK	5.5816G	108.31	Inf	-Inf	6.22	3	Horizontal	164	1.70	-
AV	5.5768G	97.70	Inf	-Inf	6.21	3	Horizontal	164	1.70	-
PK	5.7608G	58.88	68.20	-9.32	6.93	3	Horizontal	164	1.70	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5580MHz_TX

30/10/2018



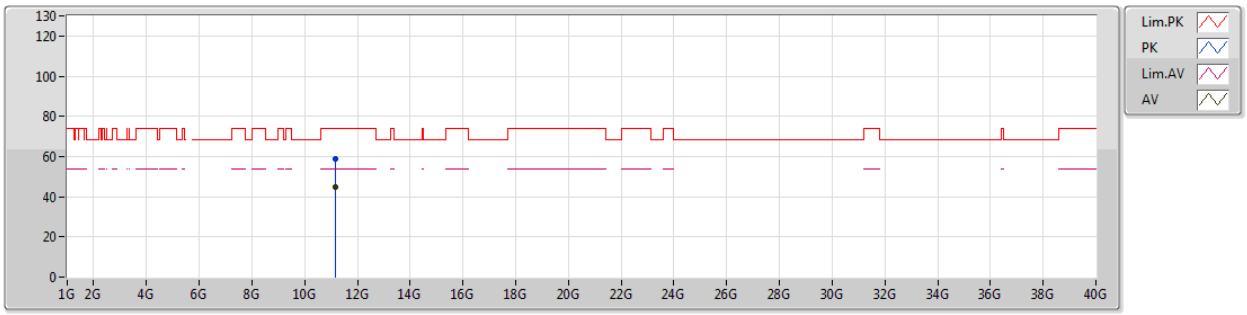
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.1592G	59.88	74.00	-14.12	13.29	3	Vertical	122	2.26	-
AV	11.15984G	45.37	54.00	-8.63	13.29	3	Vertical	122	2.26	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5580MHz_TX

30/10/2018



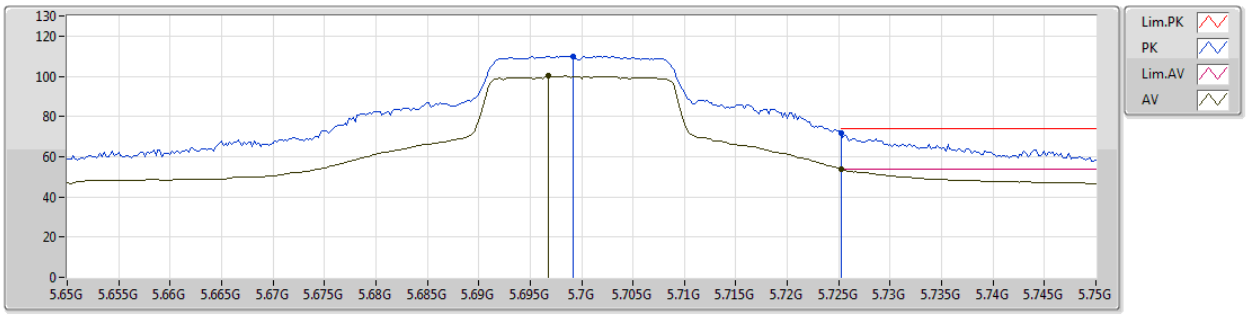
EUT Z_1TX
Setting 28
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.16G	58.65	74.00	-15.35	13.29	3	Horizontal	306	2.06	-
AV	11.15976G	44.62	54.00	-9.38	13.29	3	Horizontal	306	2.06	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5700MHz_TX

30/10/2018



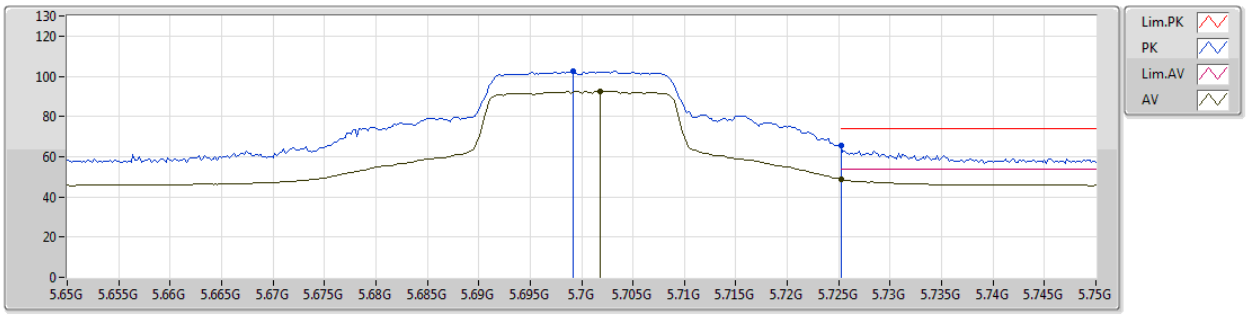
EUT Z_1TX
Setting 14
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6992G	109.89	Inf	-Inf	6.68	3	Vertical	330	1.77	-
AV	5.6968G	100.03	Inf	-Inf	6.67	3	Vertical	330	1.77	-
PK	5.7252G	71.90	74.00	-2.10	6.79	3	Vertical	330	1.77	-
AV	5.7252G	53.99	54.00	-0.01	6.79	3	Vertical	330	1.77	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5700MHz_TX

30/10/2018



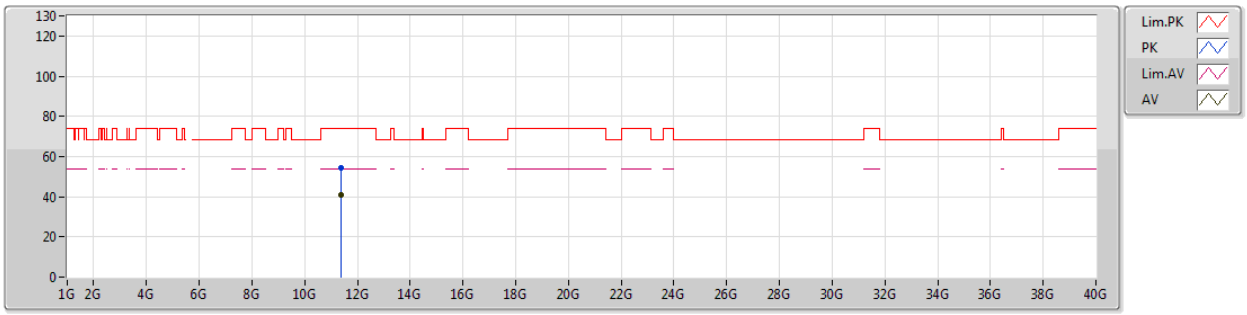
EUT Z_1TX
Setting 14
01-C-4-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6992G	102.45	Inf	-Inf	6.68	3	Horizontal	172	2.29	-
AV	5.7018G	92.50	Inf	-Inf	6.69	3	Horizontal	172	2.29	-
PK	5.7252G	65.47	74.00	-8.53	6.79	3	Horizontal	172	2.29	-
AV	5.7252G	48.81	54.00	-5.19	6.79	3	Horizontal	172	2.29	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5700MHz_TX

30/10/2018



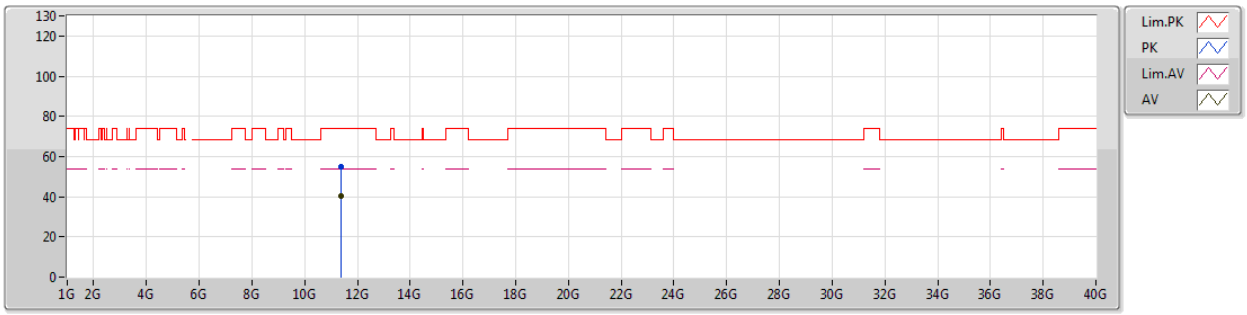
EUT Z_1TX
Setting 14
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.39558G	54.08	74.00	-19.92	13.32	3	Vertical	175	1.69	-
AV	11.4G	40.89	54.00	-13.11	13.32	3	Vertical	175	1.69	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5700MHz_TX

30/10/2018



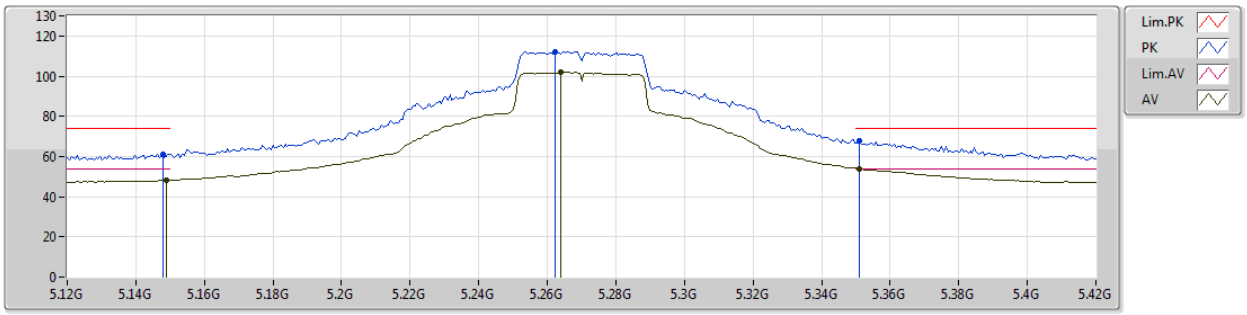
EUT Z_1TX
Setting 14
01-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.39548G	54.69	74.00	-19.31	13.32	3	Horizontal	229	1.44	-
AV	11.39548G	40.19	54.00	-13.81	13.32	3	Horizontal	229	1.44	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5270MHz_TX

30/10/2018



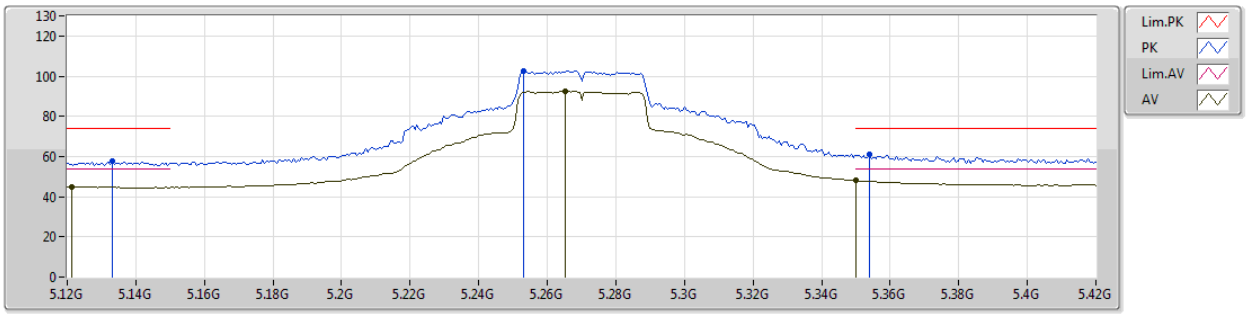
EUT Z_1TX
Setting 1D
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.148G	61.06	74.00	-12.94	4.90	3	Vertical	321	2.02	-
AV	5.149G	48.12	54.00	-5.88	4.90	3	Vertical	321	2.02	-
PK	5.2622G	112.05	Inf	-Inf	5.24	3	Vertical	321	2.02	-
AV	5.264G	101.86	Inf	-Inf	5.25	3	Vertical	321	2.02	-
PK	5.351G	67.63	74.00	-6.37	5.60	3	Vertical	321	2.02	-
AV	5.351G	53.95	54.00	-0.05	5.60	3	Vertical	321	2.02	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5270MHz_TX

30/10/2018



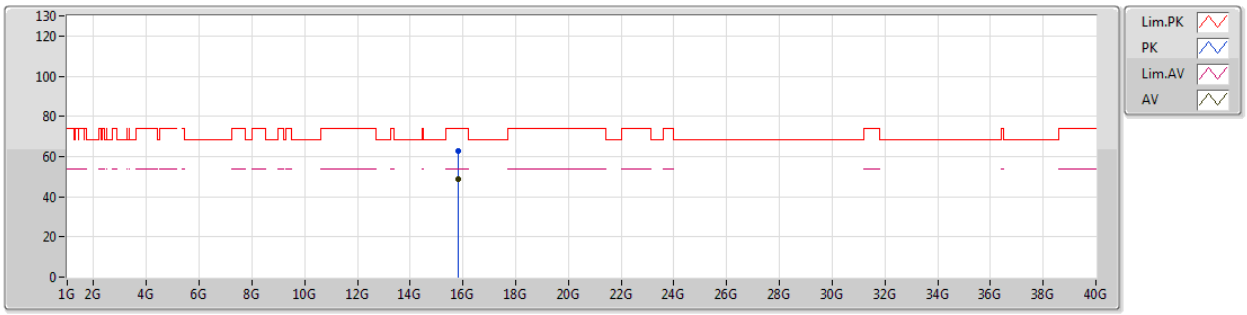
EUT Z_1TX
Setting 1D
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1332G	57.66	74.00	-16.34	4.88	3	Horizontal	177	1.91	-
AV	5.1212G	44.83	54.00	-9.17	4.86	3	Horizontal	177	1.91	-
PK	5.2532G	102.43	Inf	-Inf	5.20	3	Horizontal	177	1.91	-
AV	5.2652G	92.36	Inf	-Inf	5.25	3	Horizontal	177	1.91	-
PK	5.354G	61.18	74.00	-12.82	5.62	3	Horizontal	177	1.91	-
AV	5.35G	48.06	54.00	-5.94	5.60	3	Horizontal	177	1.91	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5270MHz_TX

30/10/2018



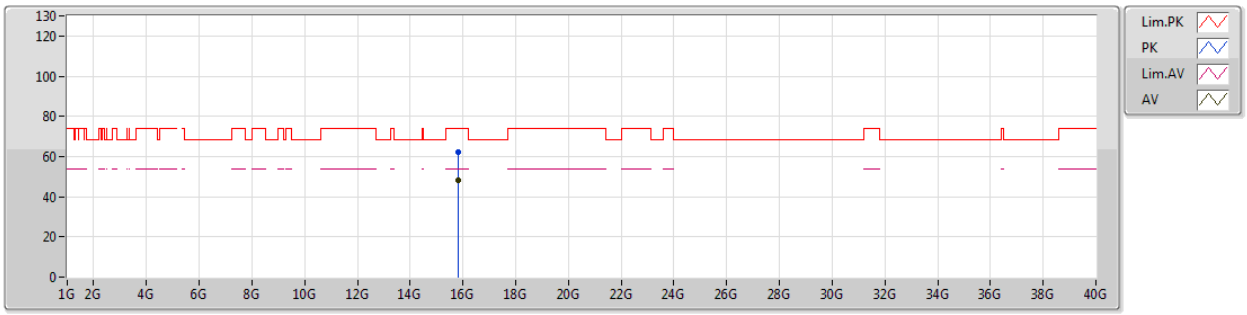
EUT Z_1TX
Setting 1D
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.8146G	62.73	74.00	-11.27	15.49	3	Vertical	71	1.43	-
AV	15.8062G	48.98	54.00	-5.02	15.51	3	Vertical	71	1.43	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5270MHz_TX

30/10/2018



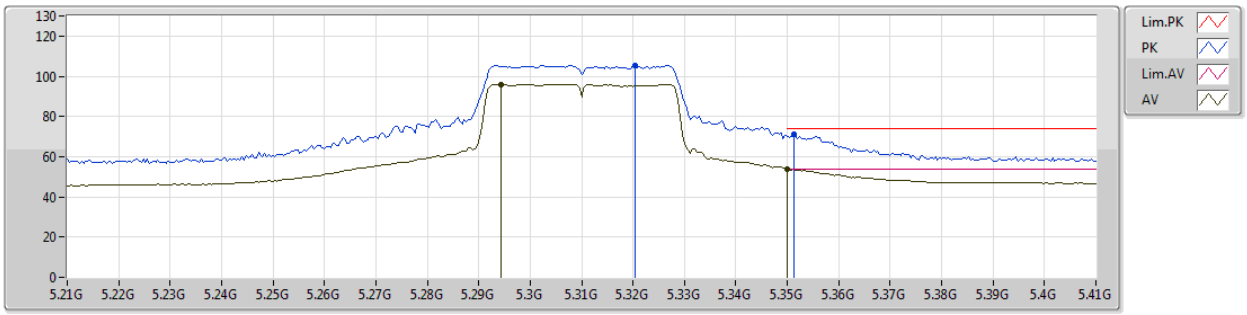
EUT Z_1TX
Setting 1D
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.8094G	62.19	74.00	-11.81	15.51	3	Horizontal	131	1.73	-
AV	15.8067G	48.22	54.00	-5.78	15.51	3	Horizontal	131	1.73	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

30/10/2018



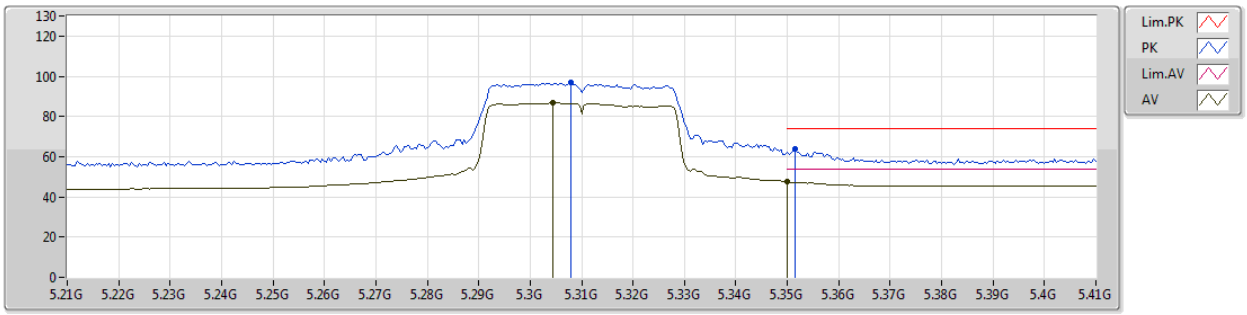
EUT Z_1TX
Setting 10
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.3204G	105.60	Inf	-Inf	5.48	3	Vertical	315	1.99	-
AV	5.2944G	96.05	Inf	-Inf	5.39	3	Vertical	315	1.99	-
PK	5.3512G	71.35	74.00	-2.65	5.60	3	Vertical	315	1.99	-
AV	5.35G	53.79	54.00	-0.21	5.60	3	Vertical	315	1.99	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

30/10/2018



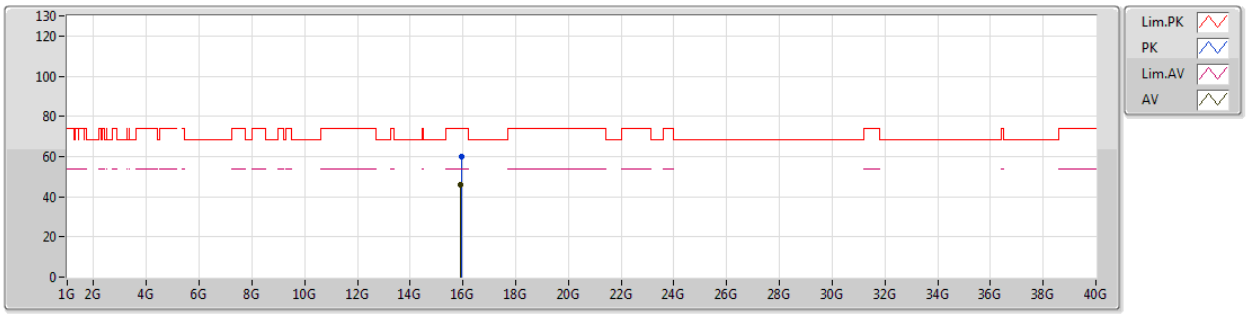
EUT Z_1TX
Setting 10
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.308G	96.90	Inf	-Inf	5.44	3	Horizontal	176	1.58	-
AV	5.3044G	86.70	Inf	-Inf	5.43	3	Horizontal	176	1.58	-
PK	5.3516G	63.71	74.00	-10.29	5.60	3	Horizontal	176	1.58	-
AV	5.35G	47.43	54.00	-6.57	5.60	3	Horizontal	176	1.58	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

30/10/2018



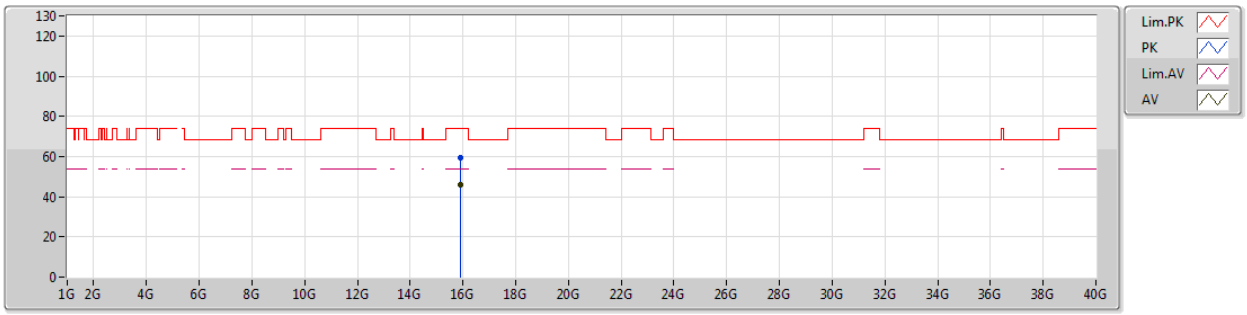
EUT Z_1TX
Setting 10
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.92956G	60.16	74.00	-13.84	15.32	3	Vertical	70	1.50	-
AV	15.92028G	45.73	54.00	-8.27	15.33	3	Vertical	70	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

30/10/2018



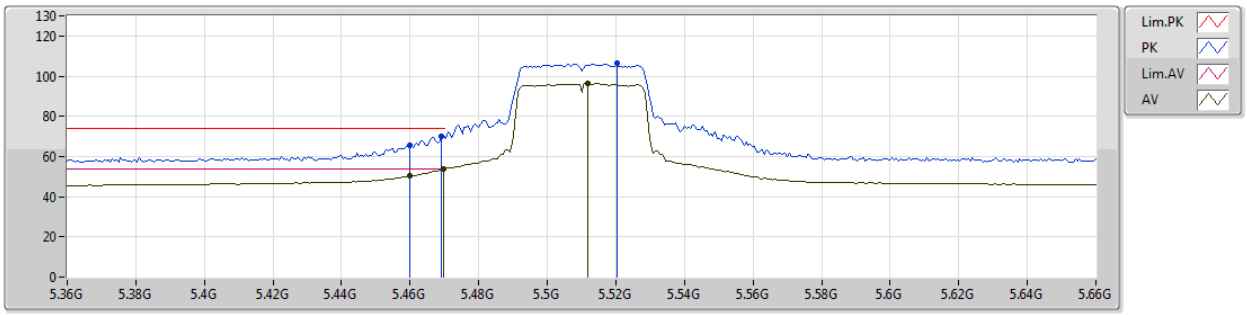
EUT Z_1TX
Setting 10
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.924G	59.32	74.00	-14.68	15.32	3	Horizontal	54	2.12	-
AV	15.925G	45.68	54.00	-8.32	15.32	3	Horizontal	54	2.12	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

30/10/2018



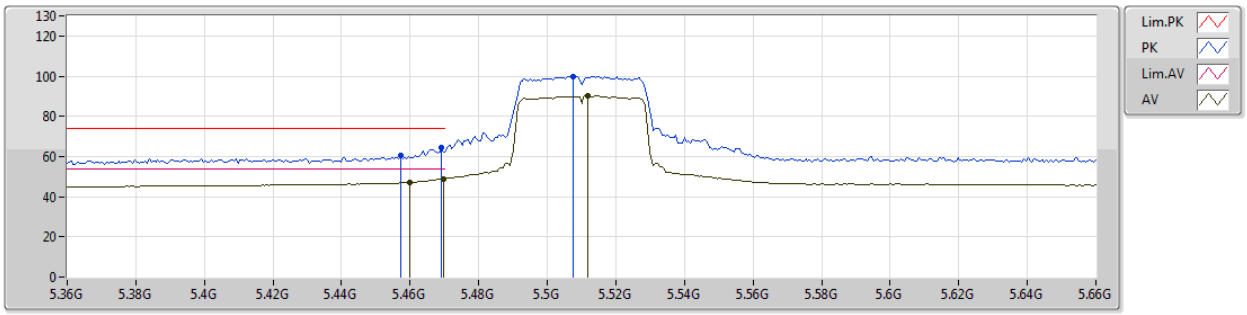
EUT Z_1TX
Setting 10
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.46G	65.71	74.00	-8.29	5.91	3	Vertical	326	1.81	-
AV	5.46G	50.17	54.00	-3.83	5.91	3	Vertical	326	1.81	-
PK	5.4692G	69.83	74.00	-4.17	5.93	3	Vertical	326	1.81	-
AV	5.4698G	53.77	54.00	-0.23	5.93	3	Vertical	326	1.81	-
PK	5.5202G	106.20	Inf	-Inf	6.06	3	Vertical	326	1.81	-
AV	5.5118G	96.29	Inf	-Inf	6.03	3	Vertical	326	1.81	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

30/10/2018



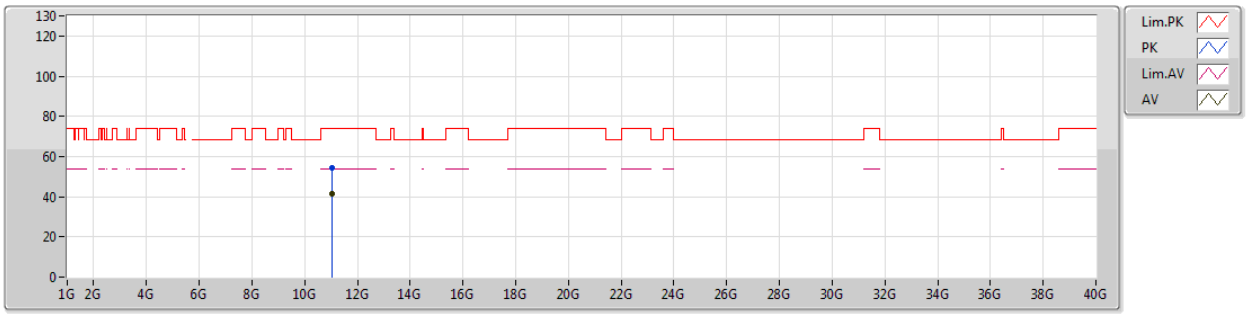
EUT Z_1TX
Setting 10
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4572G	60.34	74.00	-13.66	5.91	3	Horizontal	178	1.68	-
AV	5.46G	47.13	54.00	-6.87	5.91	3	Horizontal	178	1.68	-
PK	5.4692G	64.20	74.00	-9.80	5.93	3	Horizontal	178	1.68	-
AV	5.4698G	48.95	54.00	-5.05	5.93	3	Horizontal	178	1.68	-
PK	5.5076G	100.01	Inf	-Inf	6.02	3	Horizontal	178	1.68	-
AV	5.5118G	90.16	Inf	-Inf	6.03	3	Horizontal	178	1.68	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

30/10/2018



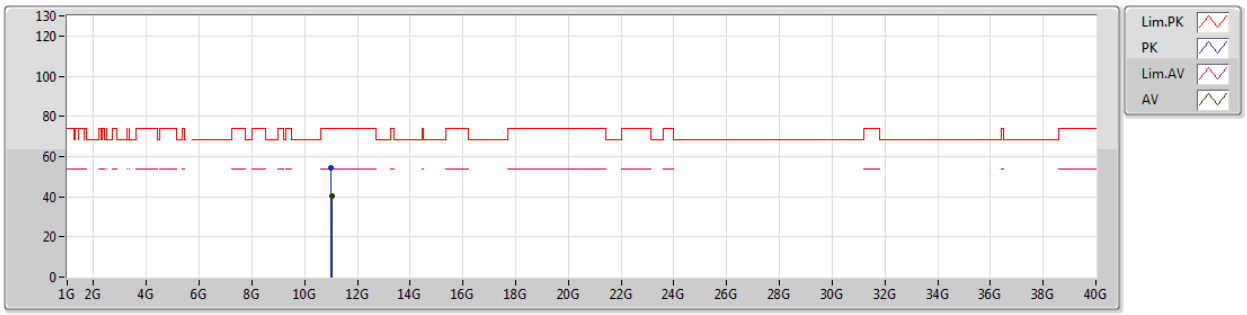
EUT Z_1TX
Setting 10
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.0206G	54.42	74.00	-19.58	13.28	3	Vertical	24	1.93	-
AV	11.02G	41.50	54.00	-12.50	13.28	3	Vertical	24	1.93	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

30/10/2018



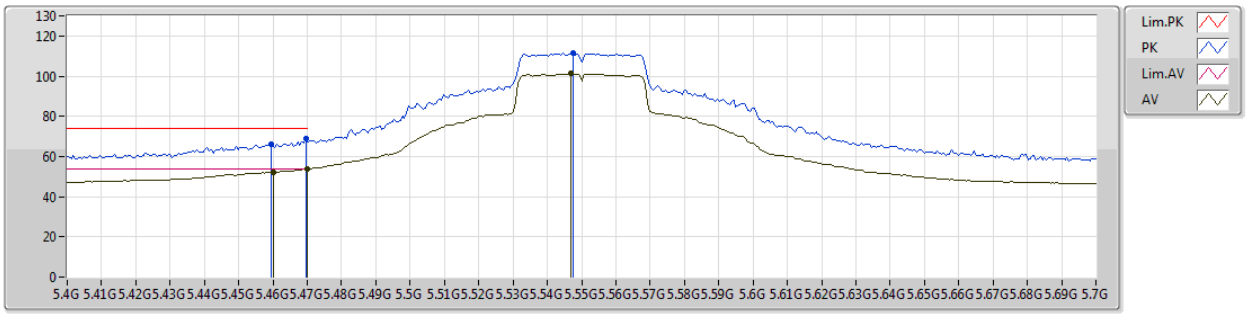
EUT Z_1TX
Setting 10
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.0009G	54.10	74.00	-19.90	13.28	3	Horizontal	60	1.07	-
AV	11.0429G	40.28	54.00	-13.72	13.28	3	Horizontal	60	1.07	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

30/10/2018



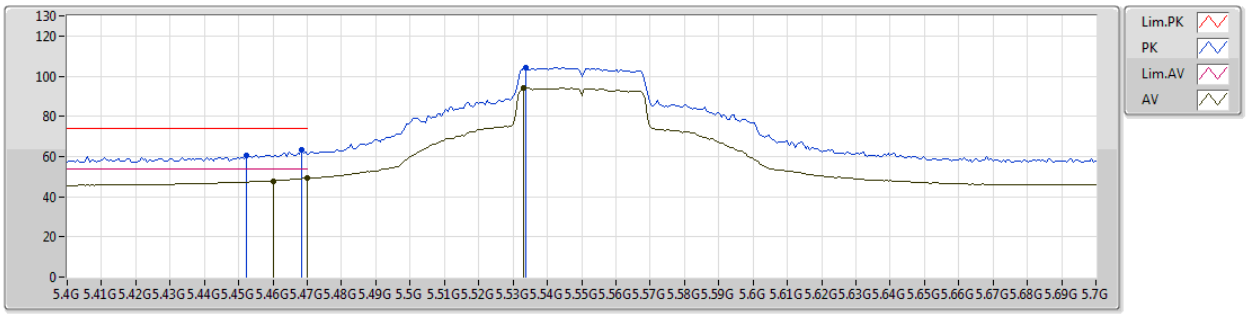
EUT Z_1TX
Setting 1D
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4594G	66.29	74.00	-7.71	5.91	3	Vertical	316	2.00	-
AV	5.46G	52.02	54.00	-1.98	5.91	3	Vertical	316	2.00	-
PK	5.4696G	68.86	74.00	-5.14	5.93	3	Vertical	316	2.00	-
AV	5.47G	53.98	54.00	-0.02	5.93	3	Vertical	316	2.00	-
PK	5.5476G	111.58	Inf	-Inf	6.12	3	Vertical	316	2.00	-
AV	5.547G	101.16	Inf	-Inf	6.12	3	Vertical	316	2.00	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

30/10/2018



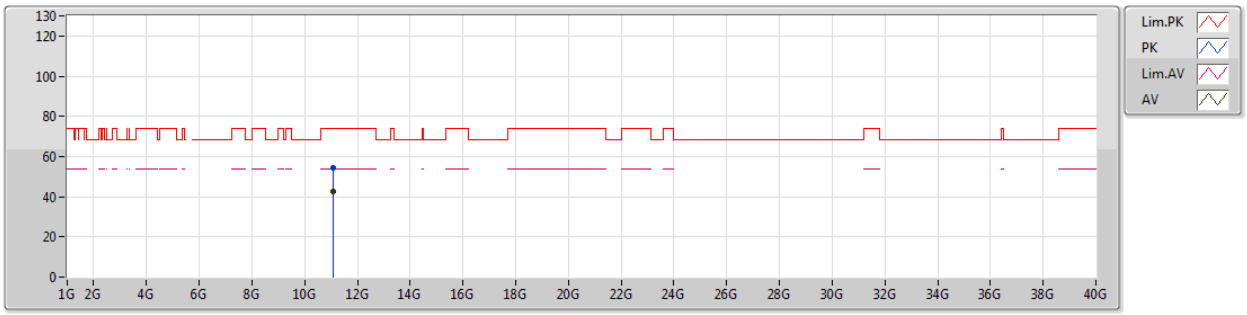
EUT Z_1TX
Setting 1D
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4522G	60.76	74.00	-13.24	5.90	3	Horizontal	177	1.58	-
AV	5.46G	47.90	54.00	-6.10	5.91	3	Horizontal	177	1.58	-
PK	5.4684G	63.09	74.00	-10.91	5.93	3	Horizontal	177	1.58	-
AV	5.47G	49.34	54.00	-4.66	5.93	3	Horizontal	177	1.58	-
PK	5.5338G	104.43	Inf	-Inf	6.08	3	Horizontal	177	1.58	-
AV	5.5332G	94.08	Inf	-Inf	6.08	3	Horizontal	177	1.58	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

30/10/2018



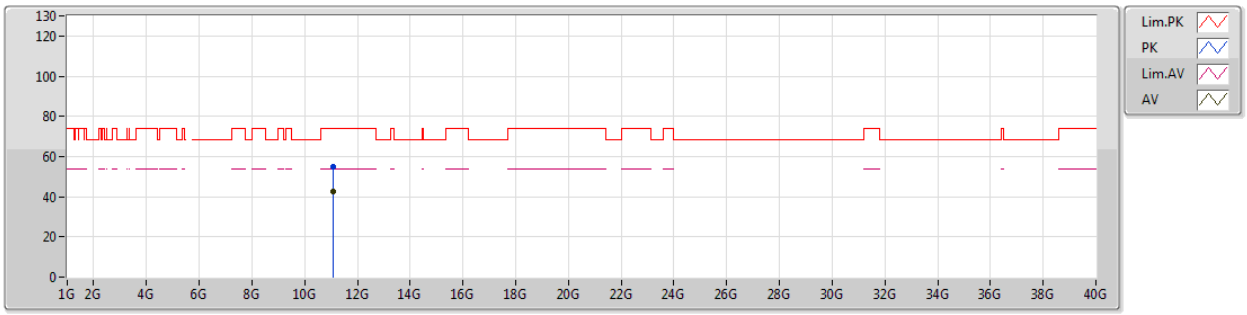
EUT Z_1TX
Setting 1D
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.0829G	54.58	74.00	-19.42	13.29	3	Vertical	144	1.81	-
AV	11.0999G	42.55	54.00	-11.45	13.29	3	Vertical	144	1.81	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

30/10/2018



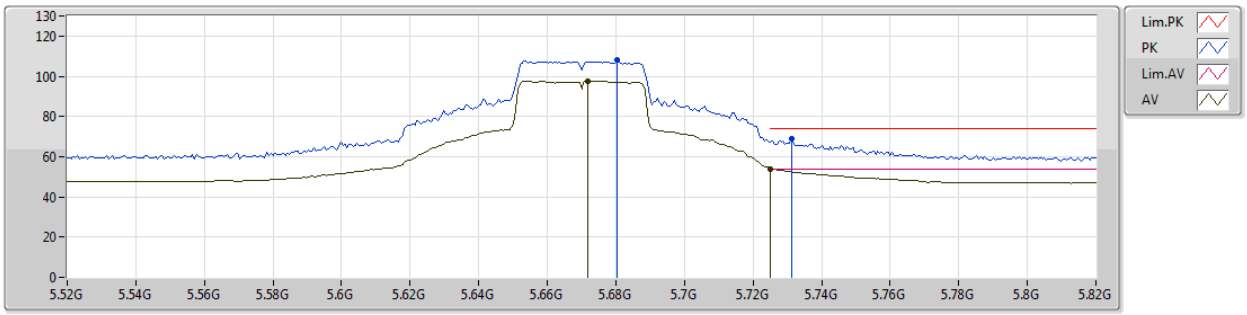
EUT Z_1TX
Setting 1D
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.0979G	54.97	74.00	-19.03	13.29	3	Horizontal	68	2.47	-
AV	11.1G	42.69	54.00	-11.31	13.29	3	Horizontal	68	2.47	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

30/10/2018



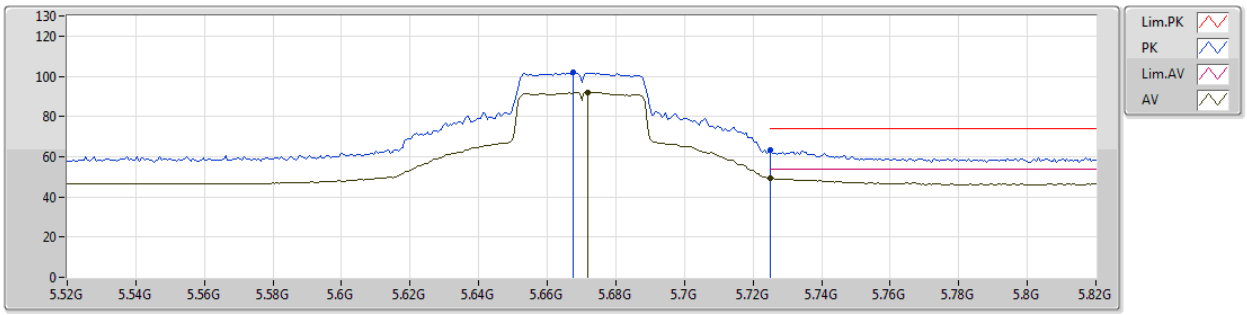
EUT Z_1TX
Setting 18
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6802G	107.87	Inf	-Inf	6.59	3	Vertical	322	1.85	-
AV	5.6718G	97.64	Inf	-Inf	6.57	3	Vertical	322	1.85	-
PK	5.7312G	68.92	74.00	-5.08	6.82	3	Vertical	322	1.85	-
AV	5.7252G	53.97	54.00	-0.03	6.79	3	Vertical	322	1.85	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

30/10/2018



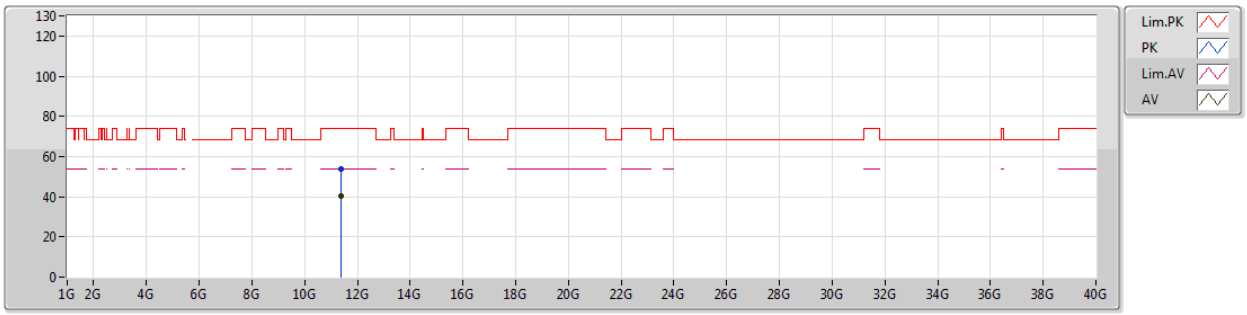
EUT Z_1TX
Setting 18
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6676G	102.23	Inf	-Inf	6.55	3	Horizontal	176	1.82	-
AV	5.6718G	92.03	Inf	-Inf	6.57	3	Horizontal	176	1.82	-
PK	5.7252G	63.19	74.00	-10.81	6.79	3	Horizontal	176	1.82	-
AV	5.7252G	49.23	54.00	-4.77	6.79	3	Horizontal	176	1.82	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

30/10/2018



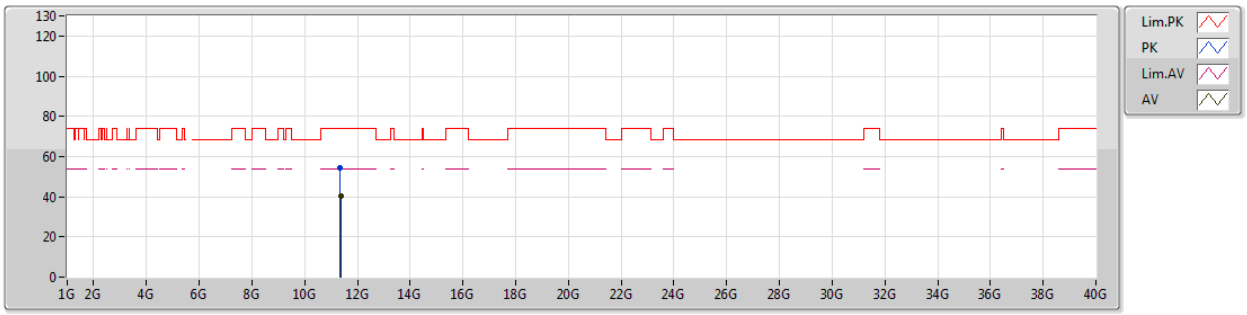
EUT Z_1TX
Setting 18
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.3607G	53.98	74.00	-20.02	13.31	3	Vertical	262	1.50	-
AV	11.3637G	40.31	54.00	-13.69	13.31	3	Vertical	262	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

30/10/2018



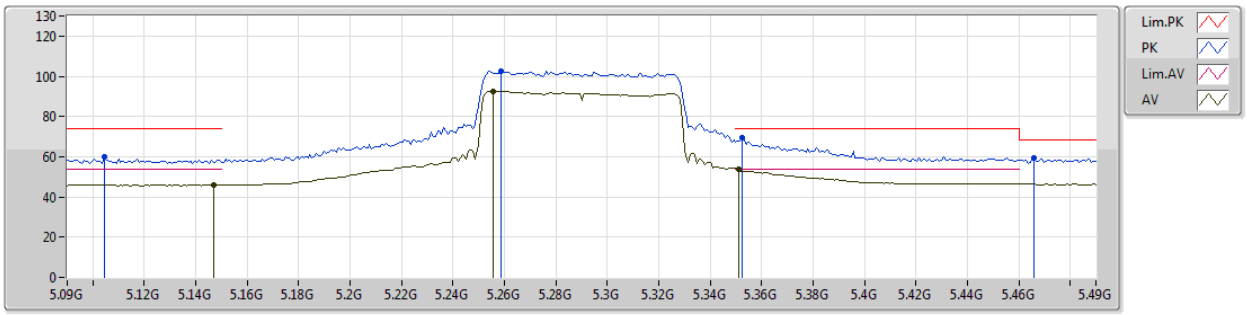
EUT Z_1TX
Setting 18
01-J-5
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.3212G	54.19	74.00	-19.81	13.31	3	Horizontal	129	2.14	-
AV	11.361G	40.32	54.00	-13.68	13.31	3	Horizontal	129	2.14	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

30/10/2018



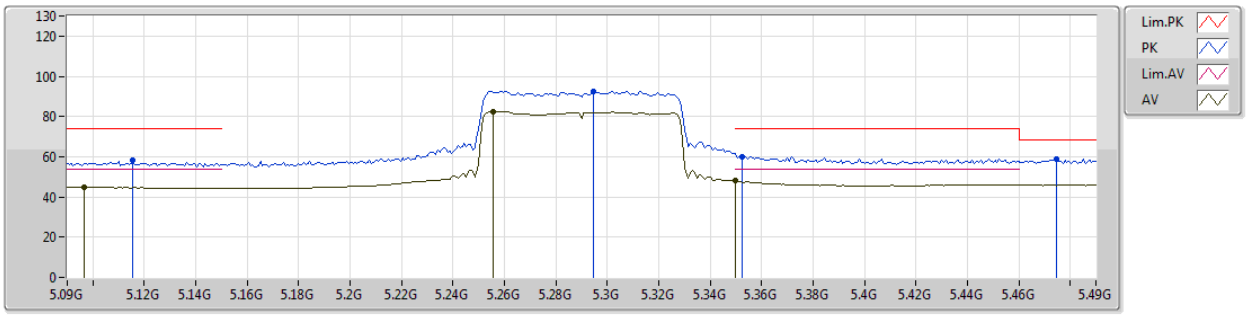
EUT Z_1TX
Setting 0D
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1044G	59.98	74.00	-14.02	4.85	3	Vertical	322	1.98	-
AV	5.1468G	45.98	54.00	-8.02	4.89	3	Vertical	322	1.98	-
PK	5.2588G	102.72	Inf	-Inf	5.23	3	Vertical	322	1.98	-
AV	5.2556G	92.67	Inf	-Inf	5.21	3	Vertical	322	1.98	-
PK	5.3524G	69.28	74.00	-4.72	5.61	3	Vertical	322	1.98	-
AV	5.351G	53.91	54.00	-0.09	5.60	3	Vertical	322	1.98	-
PK	5.466G	59.12	68.20	-9.08	5.93	3	Vertical	322	1.98	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

30/10/2018



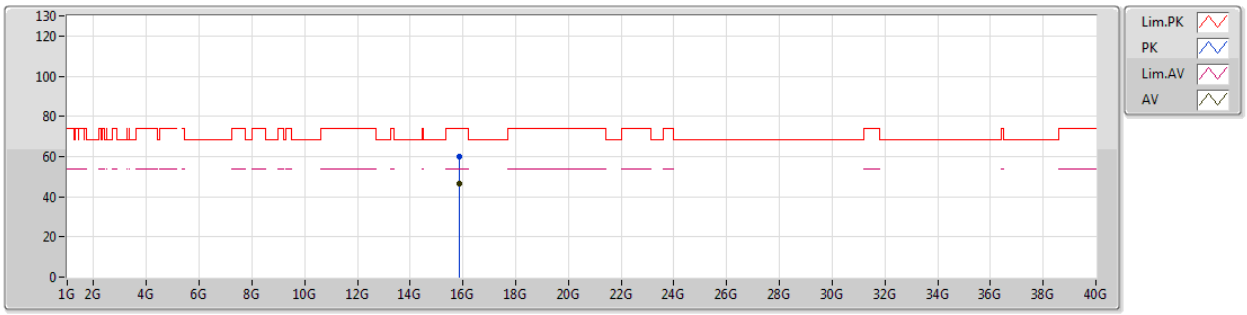
EUT Z_1TX
Setting 0D
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1156G	58.21	74.00	-15.79	4.85	3	Horizontal	173	1.58	-
AV	5.0964G	44.73	54.00	-9.27	4.83	3	Horizontal	173	1.58	-
PK	5.2948G	92.71	Inf	-Inf	5.39	3	Horizontal	173	1.58	-
AV	5.2556G	82.63	Inf	-Inf	5.21	3	Horizontal	173	1.58	-
PK	5.3524G	60.21	74.00	-13.79	5.61	3	Horizontal	173	1.58	-
AV	5.35G	48.14	54.00	-5.86	5.60	3	Horizontal	173	1.58	-
PK	5.4748G	58.66	68.20	-9.54	5.94	3	Horizontal	173	1.58	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

30/10/2018



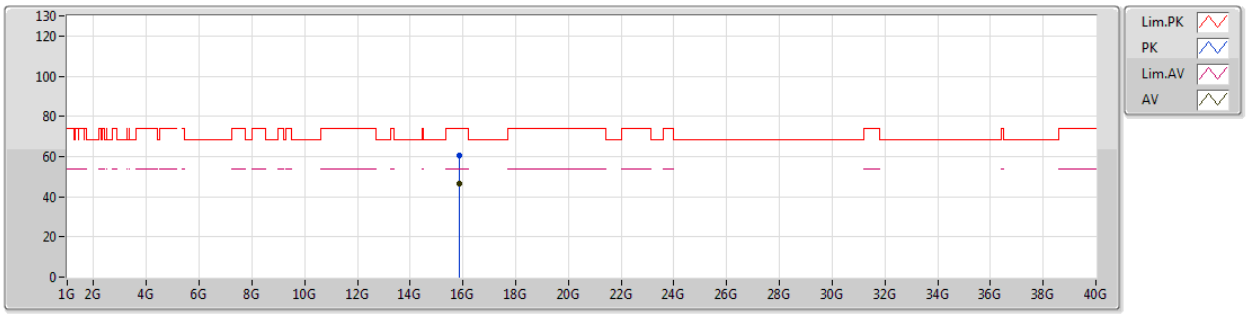
EUT Z_1TX
Setting 0D
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.8857G	59.99	74.00	-14.01	15.39	3	Vertical	174	1.35	-
AV	15.8865G	46.34	54.00	-7.66	15.39	3	Vertical	174	1.35	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

30/10/2018



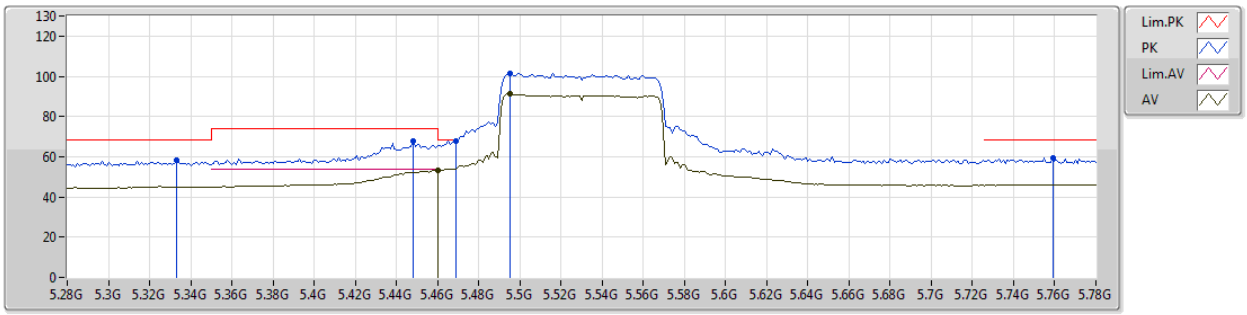
EUT Z_1TX
Setting 0D
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.8634G	60.32	74.00	-13.68	15.42	3	Horizontal	87	1.45	-
AV	15.8847G	46.38	54.00	-7.62	15.39	3	Horizontal	87	1.45	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

30/10/2018



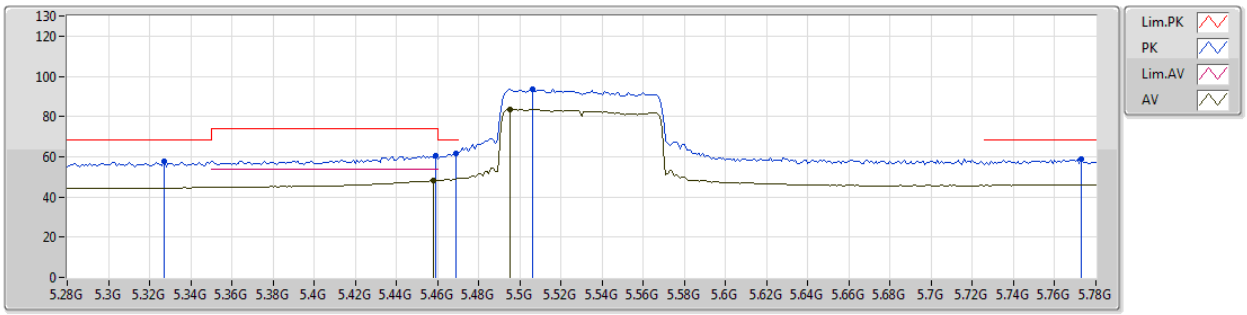
EUT Z_1TX
Setting 0B
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.333G	58.28	68.20	-9.92	5.53	3	Vertical	319	1.96	-
PK	5.448G	67.74	74.00	-6.26	5.89	3	Vertical	319	1.96	-
PK	5.469G	68.08	68.20	-0.12	5.93	3	Vertical	319	1.96	-
AV	5.46G	53.22	54.00	-0.78	5.91	3	Vertical	319	1.96	-
PK	5.495G	101.52	Inf	-Inf	5.99	3	Vertical	319	1.96	-
AV	5.495G	91.59	Inf	-Inf	5.99	3	Vertical	319	1.96	-
PK	5.759G	59.48	68.20	-8.72	6.93	3	Vertical	319	1.96	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

30/10/2018



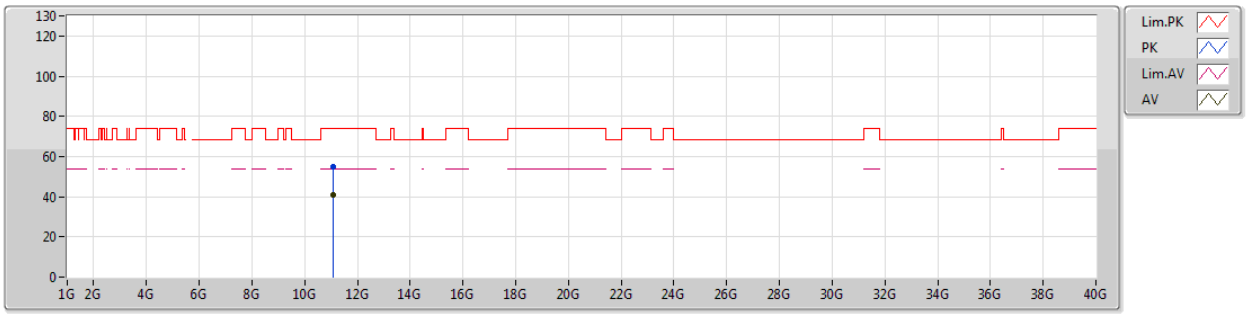
EUT Z_1TX
Setting 0B
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.327G	57.68	68.20	-10.52	5.51	3	Horizontal	175	1.48	-
PK	5.459G	60.70	74.00	-13.30	5.91	3	Horizontal	175	1.48	-
AV	5.458G	48.11	54.00	-5.89	5.91	3	Horizontal	175	1.48	-
PK	5.469G	61.69	68.20	-6.51	5.93	3	Horizontal	175	1.48	-
PK	5.506G	93.70	Inf	-Inf	6.02	3	Horizontal	175	1.48	-
AV	5.495G	83.64	Inf	-Inf	5.99	3	Horizontal	175	1.48	-
PK	5.773G	59.08	68.20	-9.12	6.98	3	Horizontal	175	1.48	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

30/10/2018



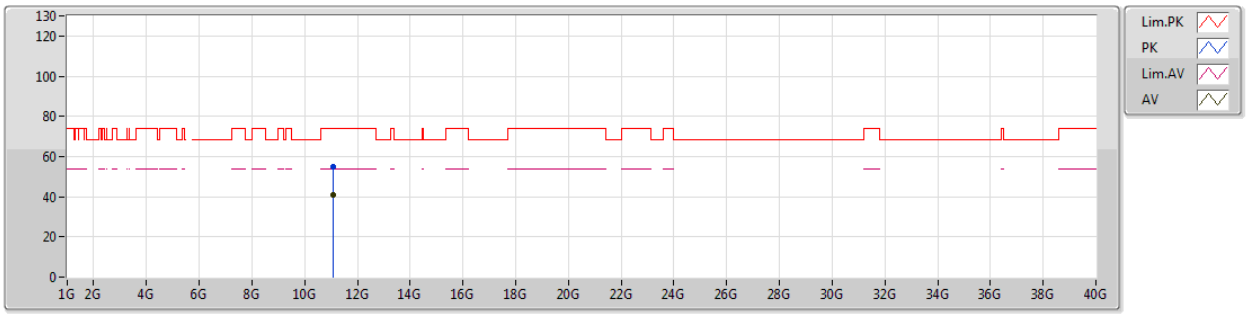
EUT Z_1TX
Setting 0B
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.0713G	55.18	74.00	-18.82	13.28	3	Vertical	226	1.39	-
AV	11.0729G	40.82	54.00	-13.18	13.28	3	Vertical	226	1.39	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

30/10/2018



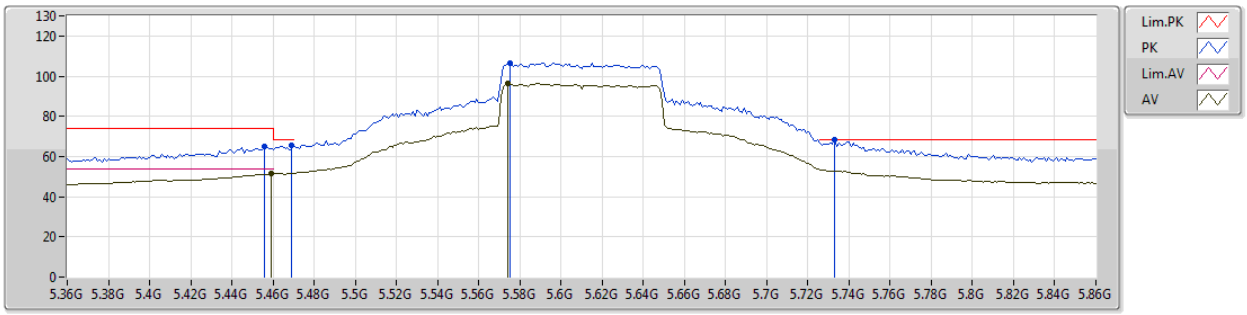
EUT Z_1TX
Setting 0B
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.0745G	54.71	74.00	-19.29	13.28	3	Horizontal	166	1.74	-
AV	11.071G	40.89	54.00	-13.11	13.28	3	Horizontal	166	1.74	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

30/10/2018



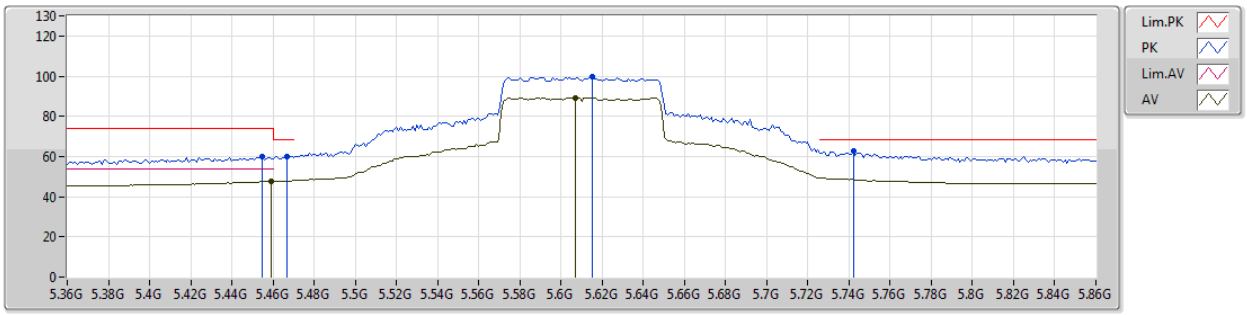
EUT Z_1TX
Setting 1A
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.456G	64.72	74.00	-9.28	5.91	3	Vertical	264	2.07	-
AV	5.459G	51.33	54.00	-2.67	5.91	3	Vertical	264	2.07	-
PK	5.469G	65.38	68.20	-2.82	5.93	3	Vertical	264	2.07	-
PK	5.575G	106.41	Inf	-Inf	6.21	3	Vertical	264	2.07	-
AV	5.574G	96.33	Inf	-Inf	6.21	3	Vertical	264	2.07	-
PK	5.733G	68.17	68.20	-0.03	6.82	3	Vertical	264	2.07	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

30/10/2018



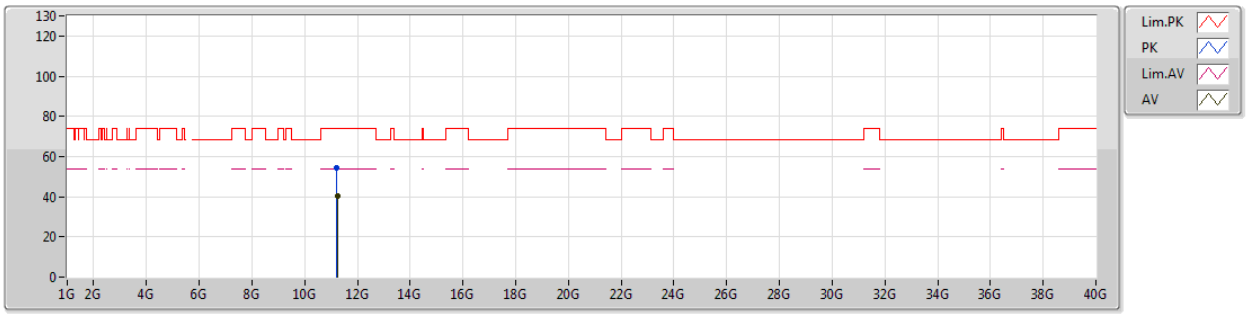
EUT Z_1TX
Setting 1A
01-J-5-10
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.455G	59.97	74.00	-14.03	5.90	3	Horizontal	178	2.07	-
AV	5.459G	47.60	54.00	-6.40	5.91	3	Horizontal	178	2.07	-
PK	5.467G	60.14	68.20	-8.06	5.93	3	Horizontal	178	2.07	-
PK	5.615G	99.68	Inf	-Inf	6.33	3	Horizontal	178	2.07	-
AV	5.607G	89.32	Inf	-Inf	6.30	3	Horizontal	178	2.07	-
PK	5.742G	62.51	68.20	-5.69	6.86	3	Horizontal	178	2.07	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

30/10/2018



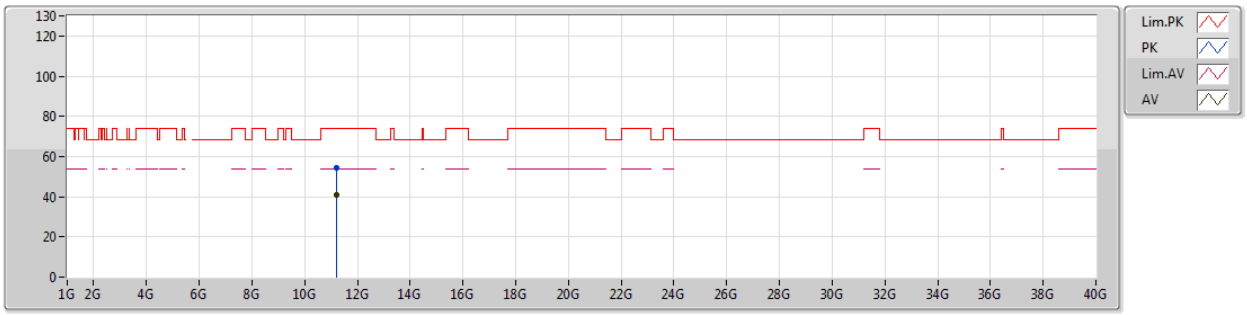
EUT Z_1TX
Setting 1A
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.2181G	54.15	74.00	-19.85	13.29	3	Vertical	280	2.09	-
AV	11.2396G	40.33	54.00	-13.67	13.30	3	Vertical	280	2.09	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

30/10/2018



EUT Z_1TX
Setting 1A
01-C-4
FSP(100304)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.2054G	54.36	74.00	-19.64	13.29	3	Horizontal	78	1.61	-
AV	11.2199G	41.13	54.00	-12.87	13.29	3	Horizontal	78	1.61	-